LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052316\
Data File : BM005618.D
Acq On : 23 May 2016 20:05
Operator : UM/SJ
Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.528	152	160	169	rBV	118020	190481	5.02%	0.314%
2	4.004	232	241	252	rVB	193897	287477	7.58%	0.473%
3	5.010	407	412	418	rVV	152709	233276	6.15%	0.384%
4	5.163	434	438	444	rVV	119591	162918	4.30%	0.268%
5	5.451	481	487	495	rVV	337258	605045	15.96%	0.996%
6	5.816	543	549	559	rVV	457912	742144	19.57%	1.222%
7	6.298	623	631	637	rBV5	87822	215377	5.68%	0.355%
8	6.439	646	655	657	rVV5	75498	157397	4.15%	0.259%
9	6.469	657	660	668	rVB	143731	212665	5.61%	0.350%
10	6.787	706	714	720	rBV2	83207	158430	4.18%	0.261%
11	6.945	736	741	750	rVV4	96183	241629	6.37%	0.398%
12	7.186	777	782	790	rVB2	144017	239480	6.32%	0.394%
13	7.422	816	822	823	rVV	193193	253872	6.70%	0.418%
14	7.445	823	826	834	rVV	307379	485577	12.81%	0.800%
15	7.798	876	886	900	rVB2	396164	940872	24.82%	1.549%
16	7.916	900	906	912	rBV2	197189	343027	9.05%	0.565%
17	8.445	989	996	1002	rBV3	107020	239015	6.30%	0.394%
18	8.622	1019	1026	1032	rVV3	60179	166314	4.39%	0.274%
19	8.898	1062	1073	1078	rBV3	67931	168339	4.44%	0.277%
20	9.022	1086	1094	1104	rVB2	262428	496170	13.09%	0.817%
21	10.010	1255	1262	1268	rBV4	104418	262742	6.93%	0.433%
22	10.563	1351	1356	1358	rBV	328653	515878	13.61%	0.849%
23	10.592	1358	1361	1365	rVV	558338	887876	23.42%	1.462%
24	10.645	1365	1370	1377	rVB	817969	1403941	37.03%	2.312%
25	10.751	1383	1388	1395	rVB	169501	262352	6.92%	0.432%
26	11.504	1509	1516	1522	rVB3	110294	203891	5.38%	0.336%
27	11.616	1529	1535	1540	rVV	361665	587566	15.50%	0.968%
28	12.010	1597	1602	1612	rBV	346153	523994	13.82%	0.863%
29	12.257	1629	1644	1652	rVB	1429454	2401669	63.34%	3.955%
30	12.474	1675	1681	1689	rVB	1006578	1623561	42.82%	2.673%
31	12.968	1760	1765	1771	rVB	321537	477321	12.59%	0.786%
32	13.263	1808	1815	1822	rBV2	514634	854224	22.53%	1.407%
33	13.468	1844	1850	1852	rBV	169524	259329	6.84%	0.427%
34	13.598	1866	1872	1874	rBV	357524	592151	15.62%	0.975%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052316\
Data File : BM005618.D
Acq On : 23 May 2016 20:05
Operator : UM/SJ
Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Title : SVOA CALIBRATION

35	13.757	1893	1899	1904	rBV	684621	1201235	31.68%	1.978%
36	13.810	1904	1908	1913	rBV	612096	928161	24.48%	1.528%
37	13.915	1918	1926	1931	rVV2	589502	928823	24.50%	1.529%
38	13.998	1935	1940	1943	rVV	521290	817699	21.57%	1.346%
39	14.027	1943	1945	1951	rVB2	203161	275348	7.26%	0.453%
40	14.127	1957	1962	1965	rBV	157789	265361	7.00%	0.437%
41	14.163	1965	1968	1976	rVB	246373	363257	9.58%	0.598%
42	14.333	1992	1997	2004	rBV	479439	631648	16.66%	1.040%
43	14.439	2004	2015	2020	rBV3	824289	1593180	42.02%	2.623%
44	14.651	2045	2051	2058	rBV	156168	395594	10.43%	0.651%
45	14.733	2058	2065	2071	rBV4	163999	357341	9.42%	0.588%
46	14.833	2077	2082	2089	rVB	541319	879257	23.19%	1.448%
47	14.910	2089	2095	2099	rBV	235381	401478	10.59%	0.661%
48	14.957	2099	2103	2111	rVB6	111604	258738	6.82%	0.426%
49	15.057	2115	2120	2125	rVB2	245927	361880	9.54%	0.596%
50	15.110	2125	2129	2134	rBV	234653	295256	7.79%	0.486%
51	15.227	2141	2149	2152	rBV2	382941	706072	18.62%	1.163%
52	15.257	2152	2154	2156	rVV	195949	246330	6.50%	0.406%
53	15.286	2156	2159	2164	rVB	505516	622721	16.42%	1.025%
54	15.380	2164	2175	2180	rBV7	80255	316157	8.34%	0.521%
55	15.427	2180	2183	2187	rVV	150735	211957	5.59%	0.349%
56	15.474	2187	2191	2196	rVV	712121	952842	25.13%	1.569%
57	15.692	2223	2228	2235	rVV2	419851	674278	17.78%	1.110%
58	15.780	2235	2243	2249	rVB	443306	738612	19.48%	1.216%
59	15.857	2249	2256	2260	rBV4	74711	171120	4.51%	0.282%
60	15.927	2260	2268	2276	rVB2	383585	901699	23.78%	1.485%
61	16.015	2276	2283	2291	rVB2	150093	359534	9.48%	0.592%
62	16.168	2299	2309	2315	rBV	1970424	3791531	100.00%	6.243%
63	16.292	2326	2330	2334	rBV2	101370	163164	4.30%	0.269%
64	16.486	2353	2363	2368	rBV6	109292	303799	8.01%	0.500%
65	16.721	2396	2403	2412	rBV3	431810	1123987	29.64%	1.851%
66	16.839	2419	2423	2429	rVB3	132416	216197	5.70%	0.356%
67	16.939	2429	2440	2445	rBV2	638505	1163334	30.68%	1.916%
68	16.992	2445	2449	2454	rVB2	196554	267045	7.04%	0.440%
69	17.180	2476	2481	2485	rVV	953878	1439617	37.97%	2.371%
70	17.221	2485	2488	2493	rVV	741860	1093176	28.83%	1.800%
71	17.274	2494	2497	2502	rVB2	162523	261229	6.89%	0.430%

LSC Area Percent Report

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Data File : BM005618.D
Acq On : 23 May 2016 20:05
Operator : UM/SJ
Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Title : SVOA CALIBRATION

72	17.498	2532	2535	2540	rVB3	113106	207342	5.47%	0.341%
73	17.592	2546	2551	2558	rBV5	130791	362561	9.56%	0.597%
74	17.674	2560	2565	2575	rVB	730637	987576	26.05%	1.626%
75	18.056	2626	2630	2634	rBV	233789	366882	9.68%	0.604%
76	18.103	2634	2638	2645	rVB	421334	665867	17.56%	1.096%
77	18.180	2646	2651	2655	rBV3	102330	187445	4.94%	0.309%
78	18.239	2657	2661	2665	rVV	319192	500686	13.21%	0.824%
79	18.286	2665	2669	2675	rVB	372878	569241	15.01%	0.937%
80	18.362	2678	2682	2687	rBV	627499	821420	21.66%	1.353%
81	18.556	2711	2715	2718	rBV2	126526	169032	4.46%	0.278%
82	18.974	2782	2786	2787	rBV	178496	234964	6.20%	0.387%
83	18.997	2787	2790	2798	rVV	757469	1042718	27.50%	1.717%
84	19.062	2798	2801	2806	rVV	189446	254053	6.70%	0.418%
85	19.121	2807	2811	2816	rVB3	105110	174693	4.61%	0.288%
86	19.233	2826	2830	2837	rVB	227866	313237	8.26%	0.516%
87	19.574	2883	2888	2901	rVV5	783290	1415099	37.32%	2.330%
88	19.674	2901	2905	2912	rVB2	192737	336754	8.88%	0.555%
89	19.921	2943	2947	2950	rBV4	109077	174078	4.59%	0.287%
90	20.015	2959	2963	2967	rBV2	314163	411779	10.86%	0.678%
91	20.109	2976	2979	2984	rVB	689364	872562	23.01%	1.437%
92	20.609	3060	3064	3072	rBV	715249	829724	21.88%	1.366%
93	20.844	3101	3104	3109	rVB	178053	222353	5.86%	0.366%
94	21.074	3139	3143	3149	rVB	723807	835455	22.03%	1.376%
95	21.362	3186	3192	3196	rBV	1140888	1658697	43.75%	2.731%
96	21.509	3213	3217	3225	rVB	642452	783689	20.67%	1.290%
97	21.944	3288	3291	3296	rBV	623861	762201	20.10%	1.255%
98	22.415	3368	3371	3377	rVB	412751	530178	13.98%	0.873%
99	22.933	3455	3459	3466	rBV2	391364	628468	16.58%	1.035%
100	23.638	3574	3579	3586	rVB	702501	1336606	35.25%	2.201%

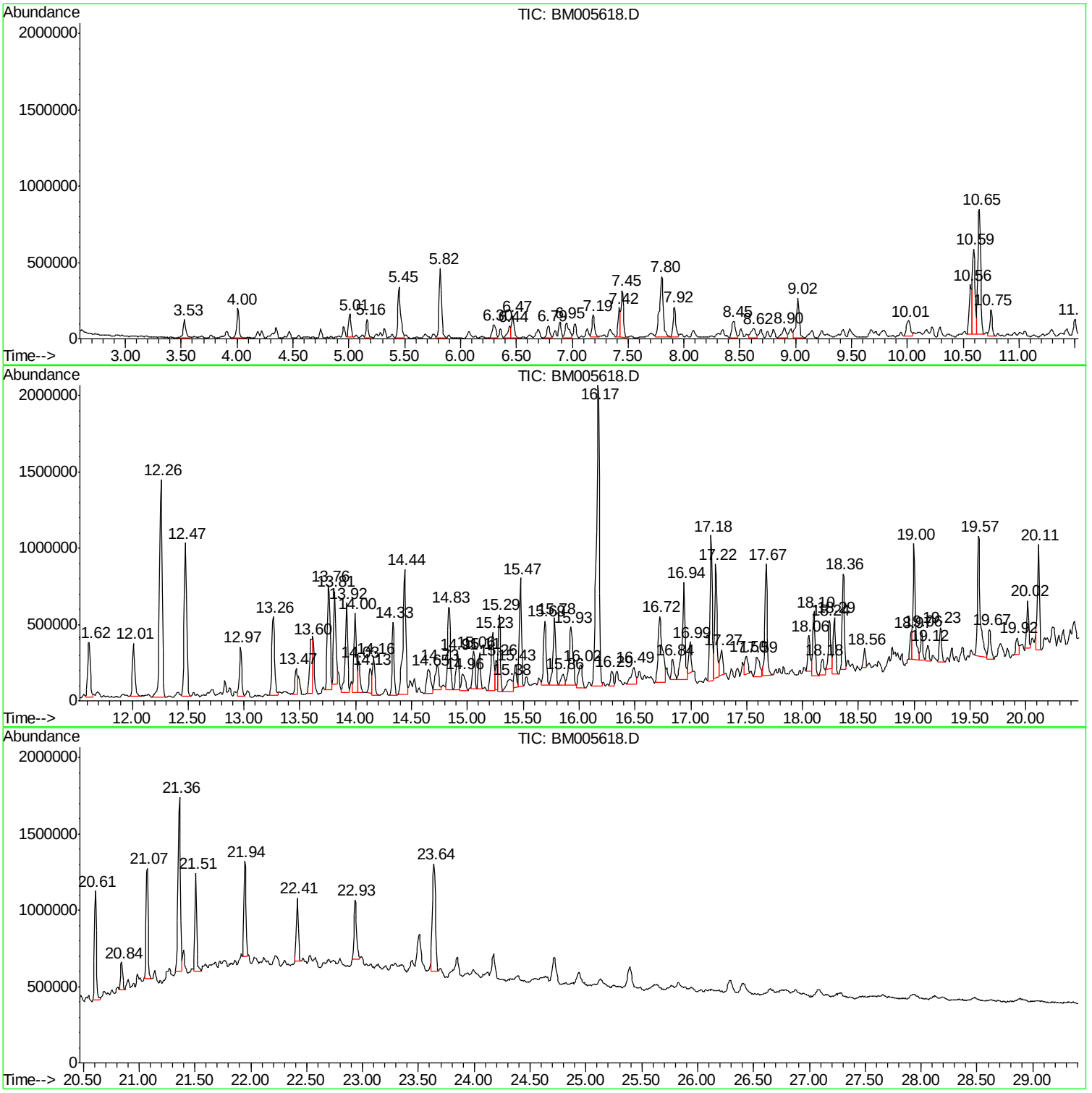
Sum of corrected areas: 60730017

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052316\
Data File : BM005618.D
Acq On : 23 May 2016 20:05
Operator : UM/SJ
Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA M\DATA\BM052316\
Data File : BM005618.D
Acq On : 23 May 2016 20:05
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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

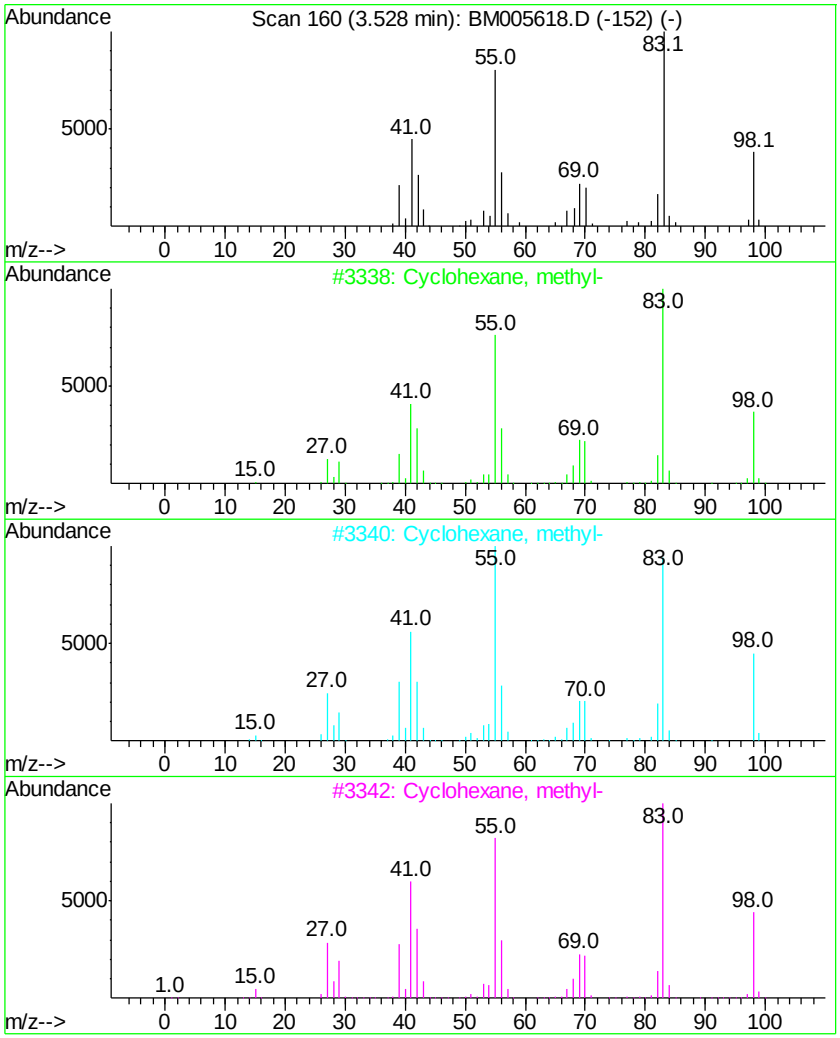
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

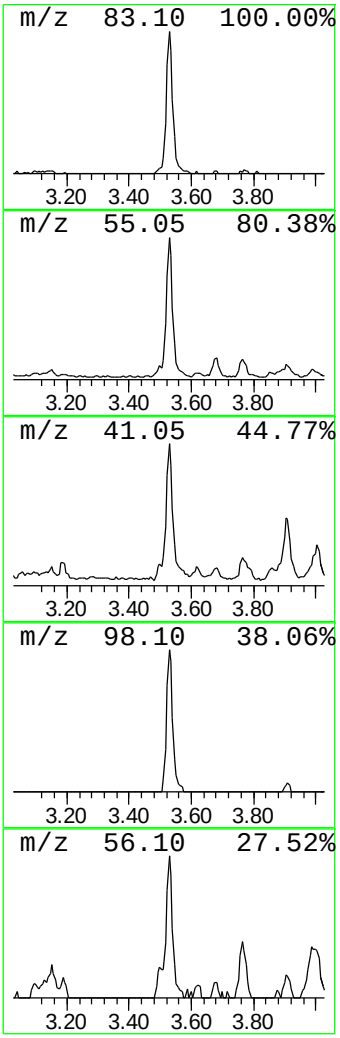
****

Peak Number 1 (DEL) Alkane: Cyclic5.35 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.53	4.05 ng/ul	190481	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methyl-	98	C7H14	000108-87-2	97
2	Cyclohexane, methyl-	98	C7H14	000108-87-2	95
3	Cyclohexane, methyl-	98	C7H14	000108-87-2	95
4	Cyclohexane, methyl-	98	C7H14	000108-87-2	91
5	1H-Pyrazole, 4,5-dihydro-1,5-dim...	98	C5H10N2	005775-96-2	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052316\
Data File : BM005618.D
Acq On : 23 May 2016 20:05
Operator : UM/SJ
Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

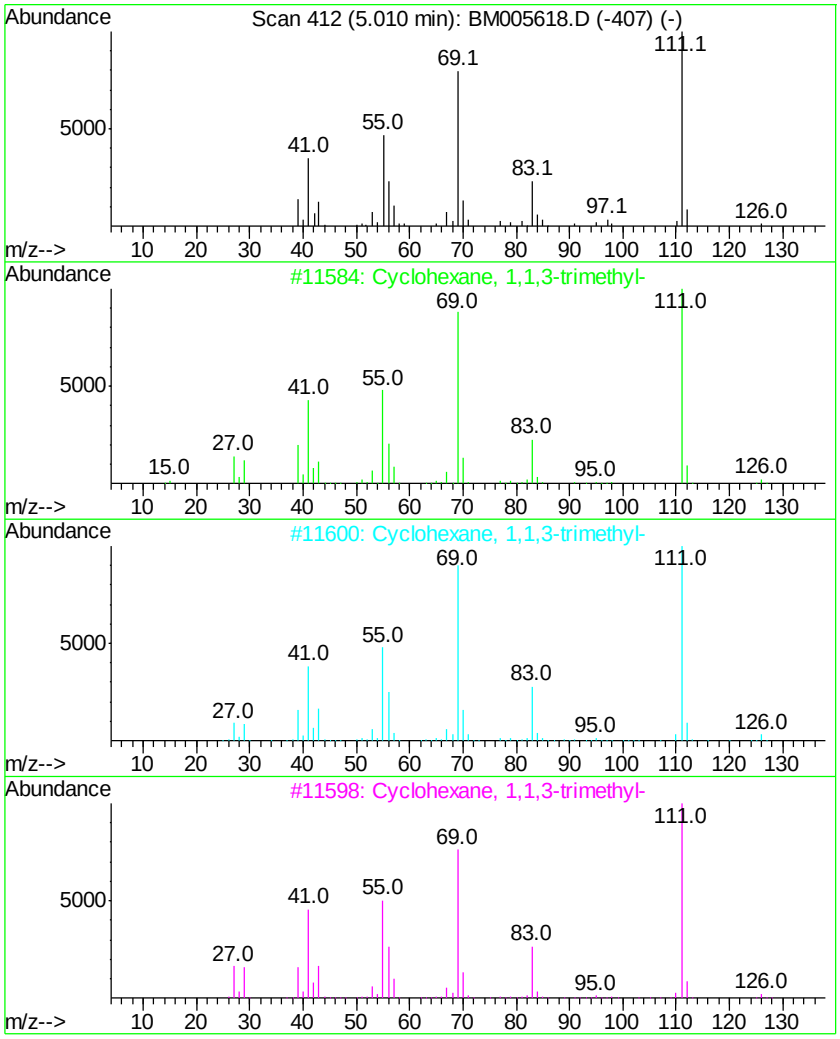
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

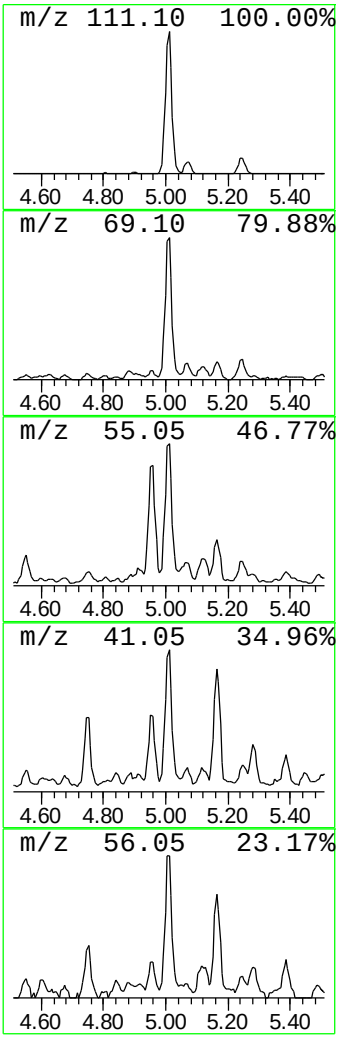
****

Peak Number 3 (DEL) Alkane: Cyclic5.01 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	4.96 ng/ul	233276	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
5	2,4,6-Trimethyl-1,5-diazabicyclo...	126	C7H14N2	1000283-21-2	59





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052316\
Data File : BM005618.D
Acq On : 23 May 2016 20:05
Operator : UM/SJ
Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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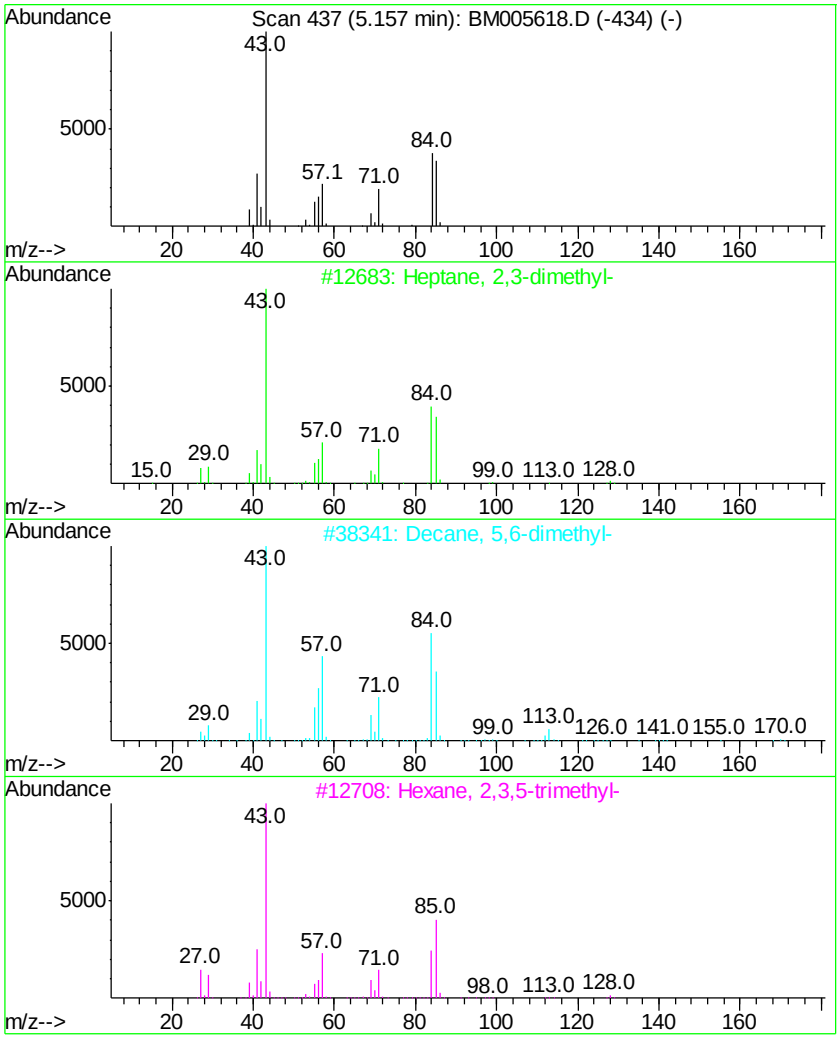
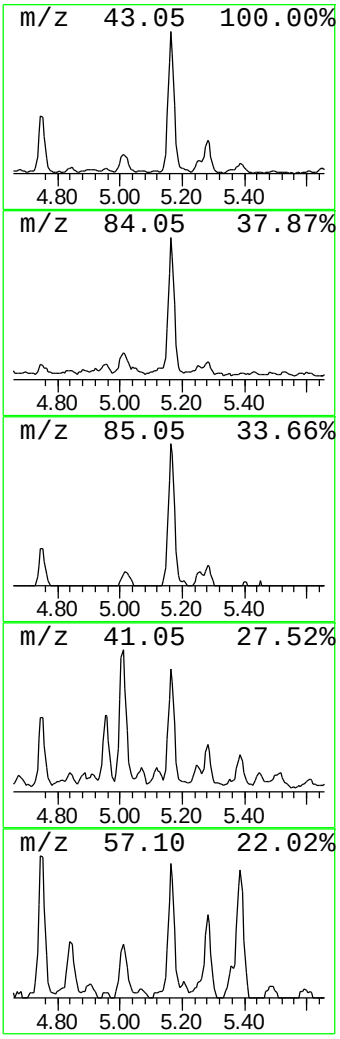
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.16	3.46 ng/ul	162918	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	90
2	Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	83
3	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	81
4	Hexane, 3-ethyl-2-methyl-	128	C9H20	016789-46-1	78
5	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	76





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052316\
Data File : BM005618.D
Acq On : 23 May 2016 20:05
Operator : UM/SJ
Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

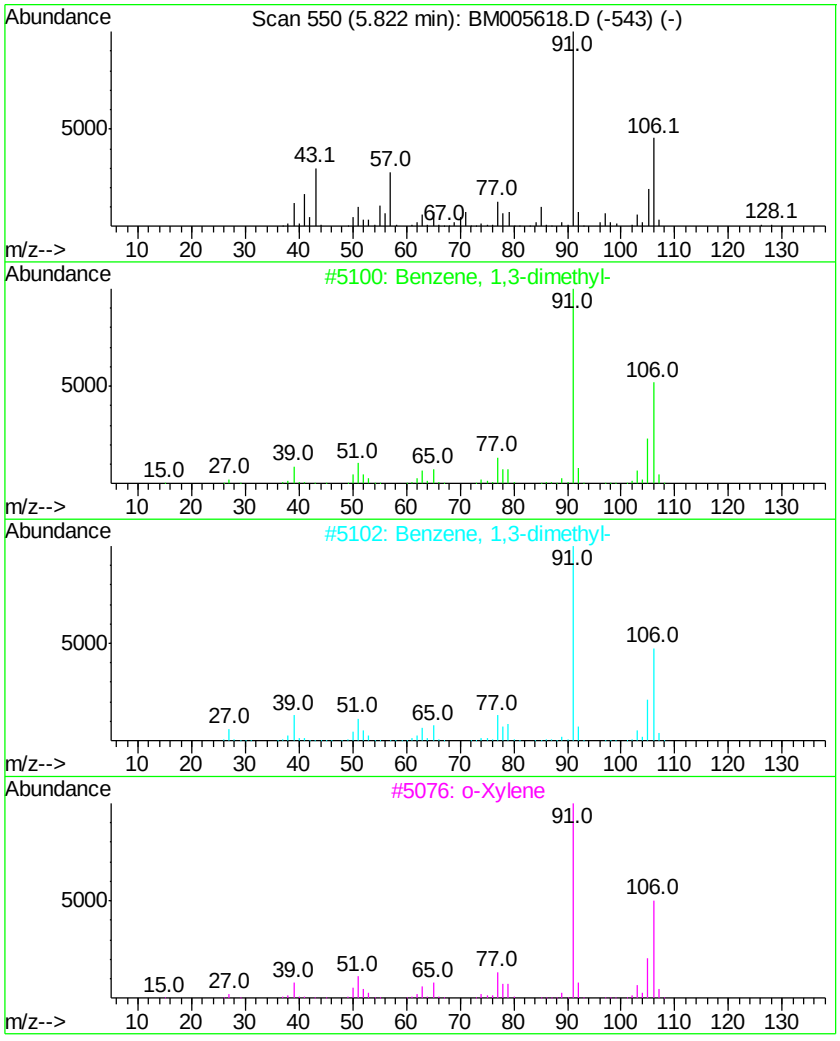
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

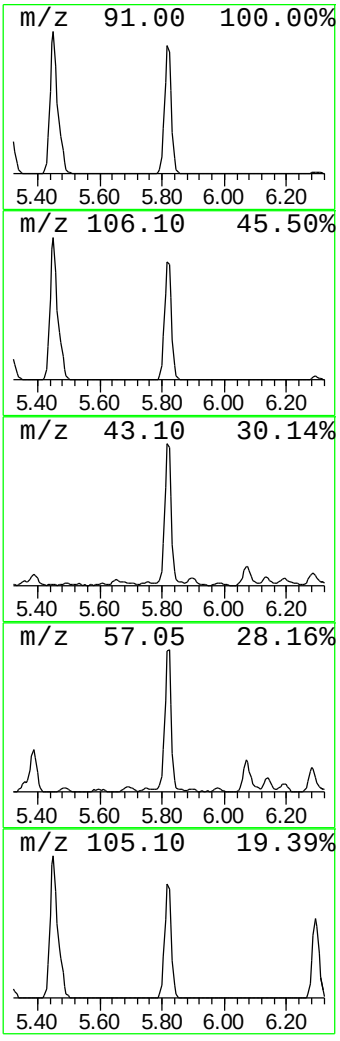
****

Peak Number 6 Benzene, 1,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.82	15.78 ng/ul	742144	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	95
2	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	95
3	o-Xylene	106	C8H10	000095-47-6	95
4	p-Xylene	106	C8H10	000106-42-3	95
5	o-Xylene	106	C8H10	000095-47-6	95





Data Path : Z:\HPCHEM1\BNA M\DATA\BM052316\
Data File : BM005618.D
Acq On : 23 May 2016 20:05
Operator : UM/SJ
Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

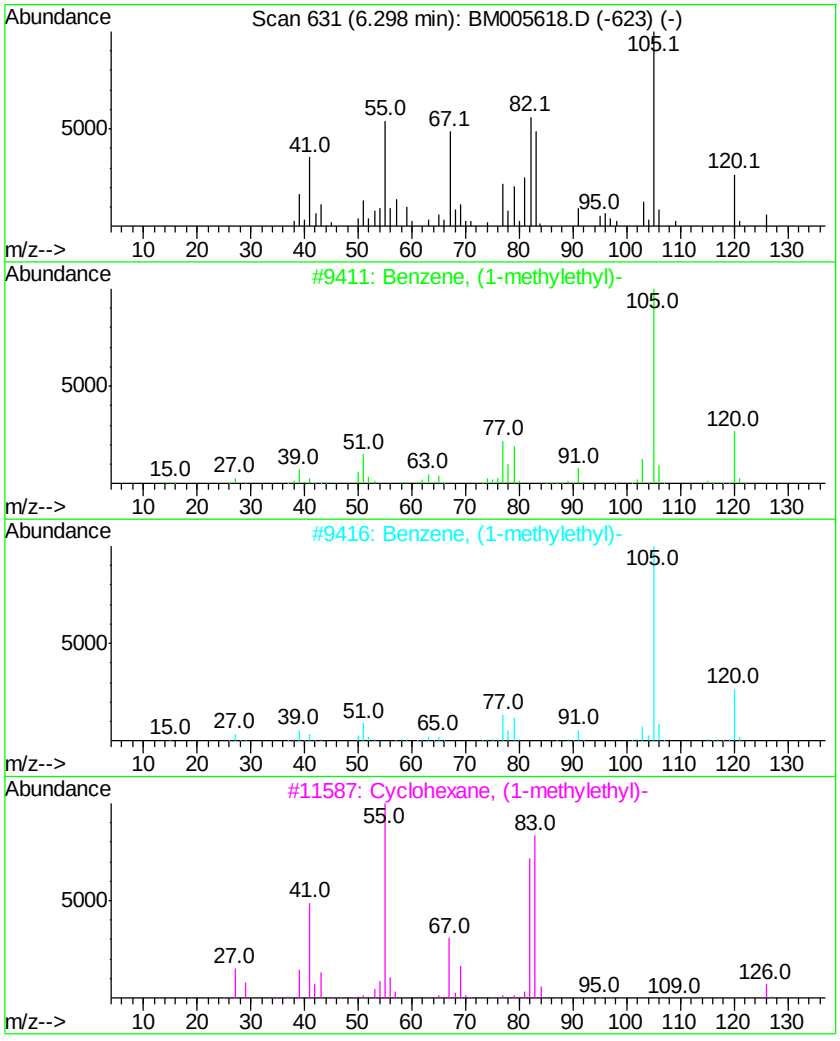
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

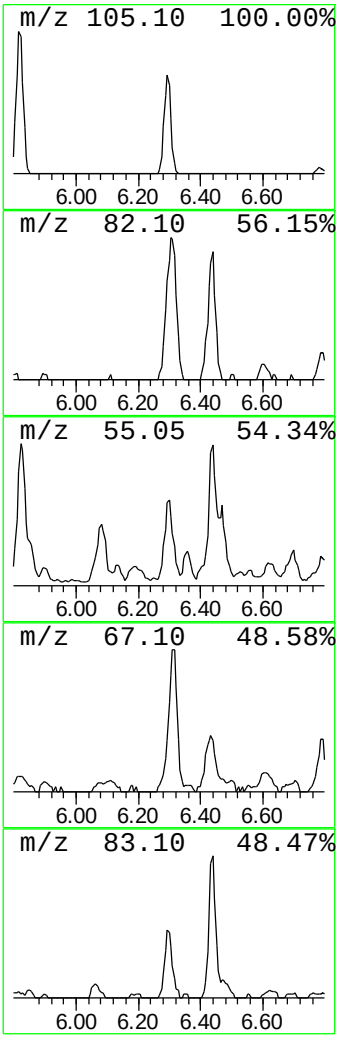
****

Peak Number 7 unknown-01 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.30	4.58 ng/ul	215377	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	42
2	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	42
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	38
4	2,3-Heptadien-5-yne, 2,4-dimethyl-	120	C9H12	041898-89-9	30
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	30





Library Search Compound Report

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Data File : BM005618.D
Acq On : 23 May 2016 20:05
Operator : UM/SJ
Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

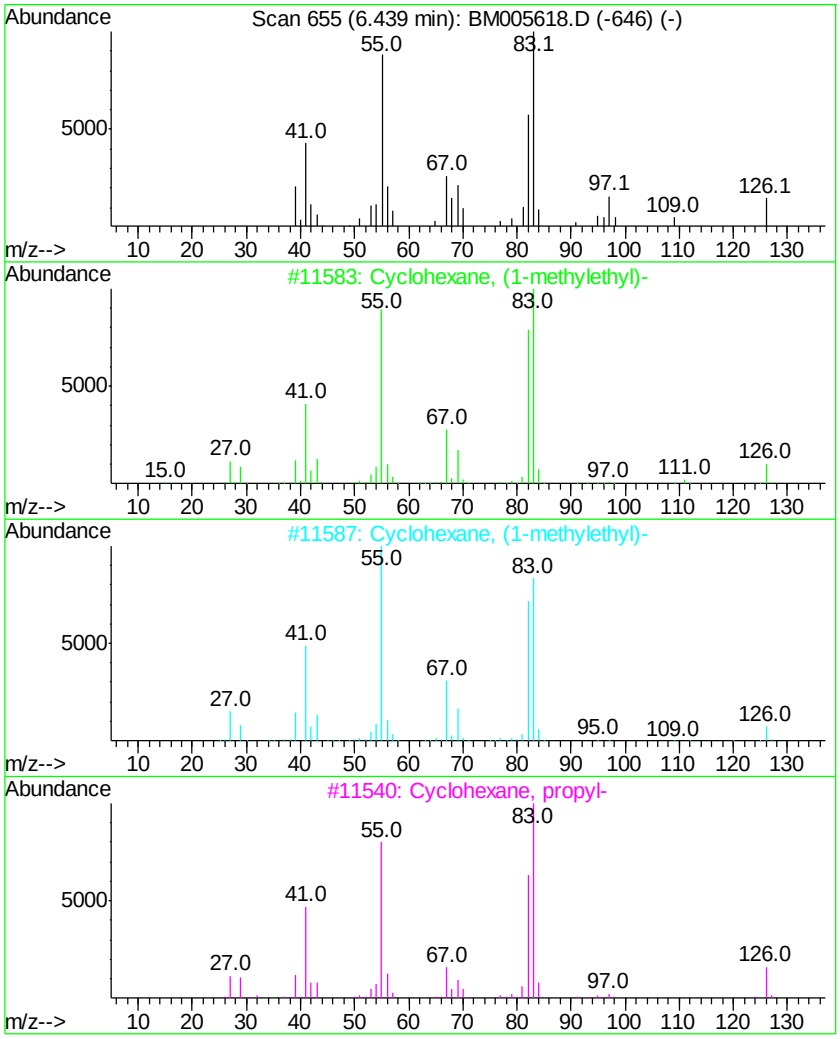
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

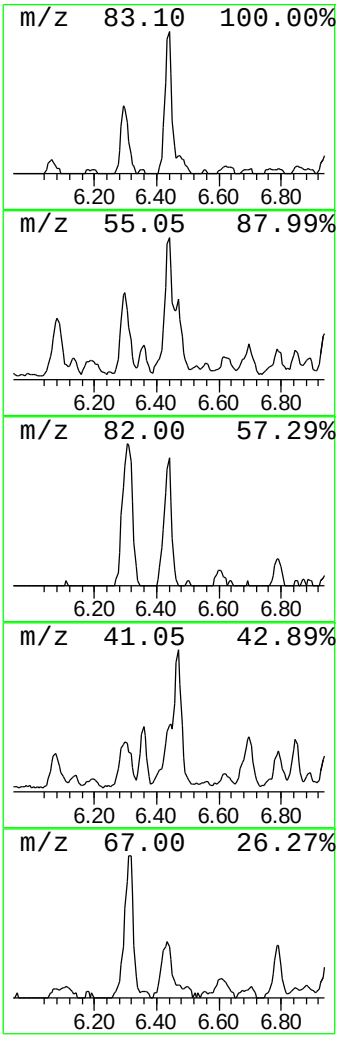
****

Peak Number 8 (DEL) Alkane: Cyclic6.44 Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.44	3.35 ng/ul	157397	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	80
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	80
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	72
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	72
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	72





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Acq On : 23 May 2016 20:05
Operator : UM/SJ
Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

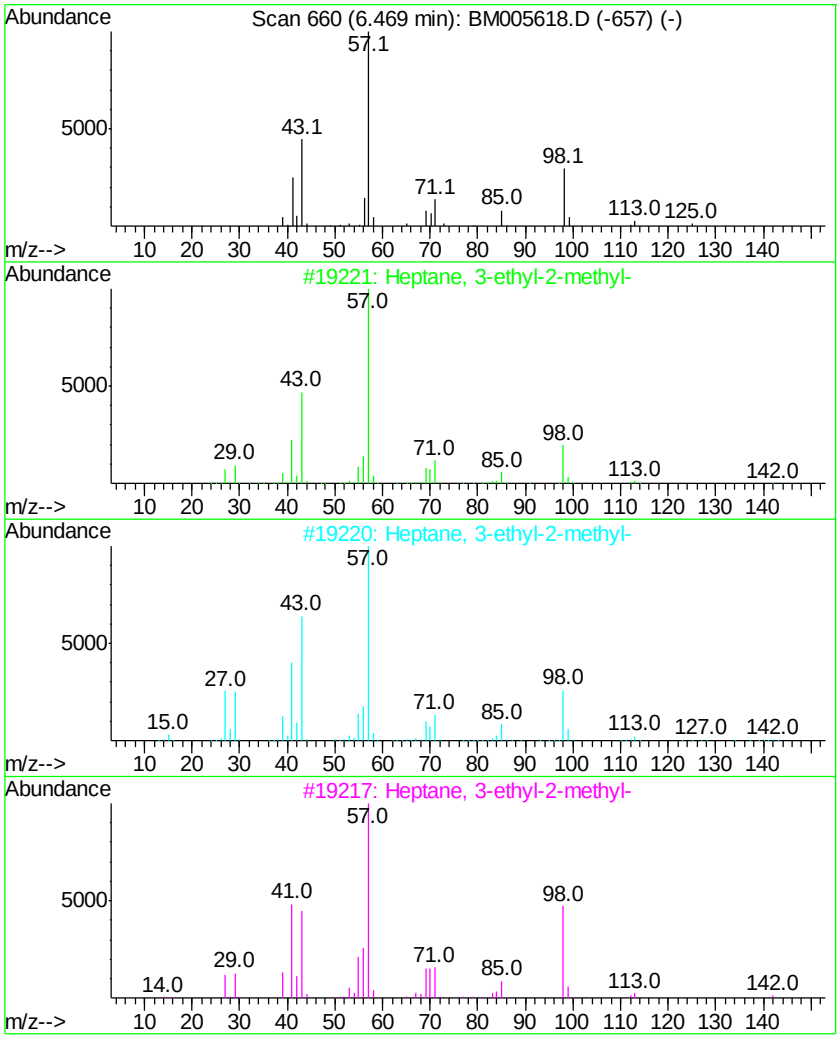
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

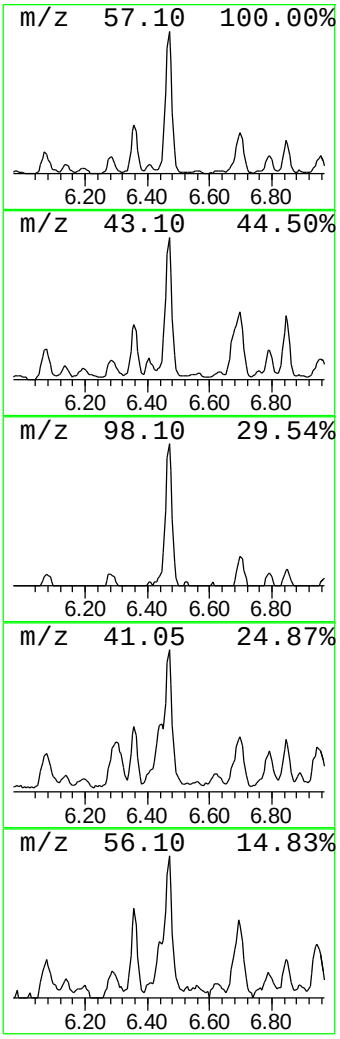
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	4.52 ng/ul	212665	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	78
2	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	64
3	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	64
4	Decane, 2,5-dimethyl-	170	C12H26	017312-50-4	50
5	Heptane, 2,3,5-trimethyl-	142	C10H22	020278-85-7	47





Library Search Compound Report

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Operator : UM/SJ
Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

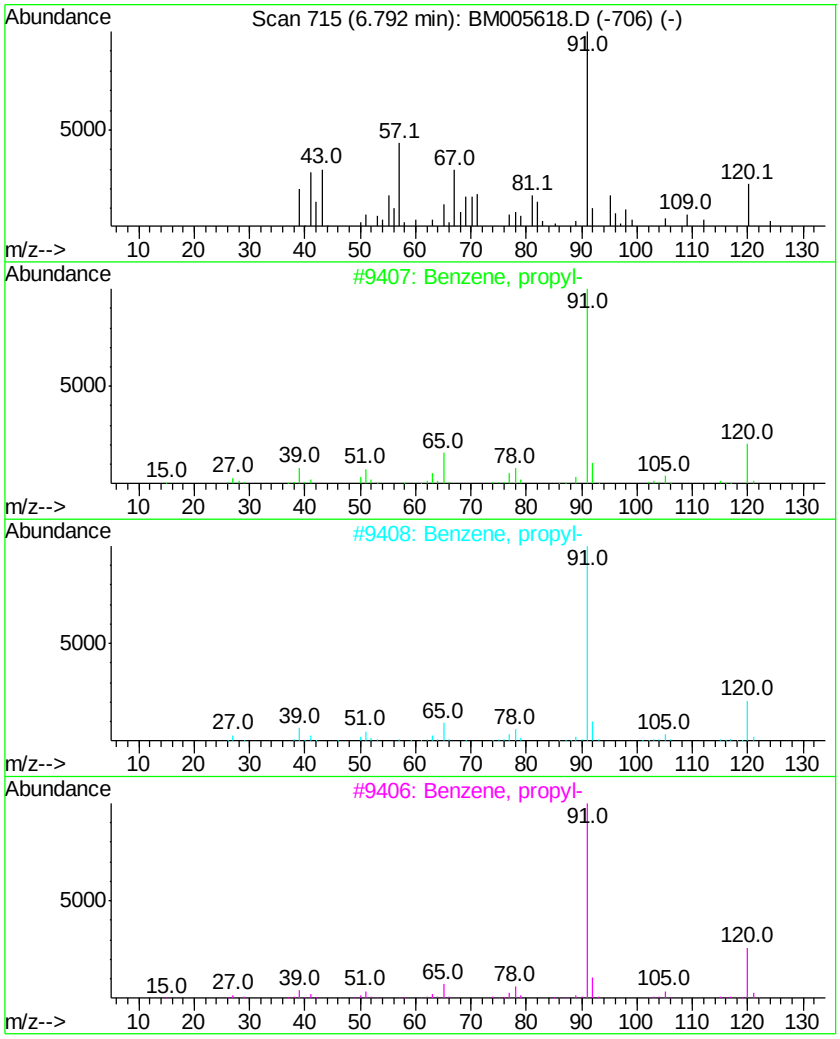
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

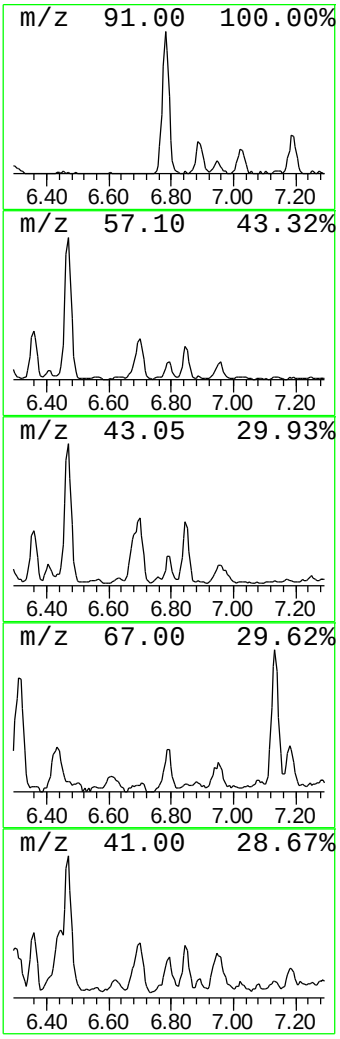
****

Peak Number 10 unknown-02 Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.79	3.37 ng/ul	158430	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	46
2	Benzene, propyl-	120	C9H12	000103-65-1	46
3	Benzene, propyl-	120	C9H12	000103-65-1	38
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	35
5	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	35





Library Search Compound Report

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Data File : BM005618.D
Acq On : 23 May 2016 20:05
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Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

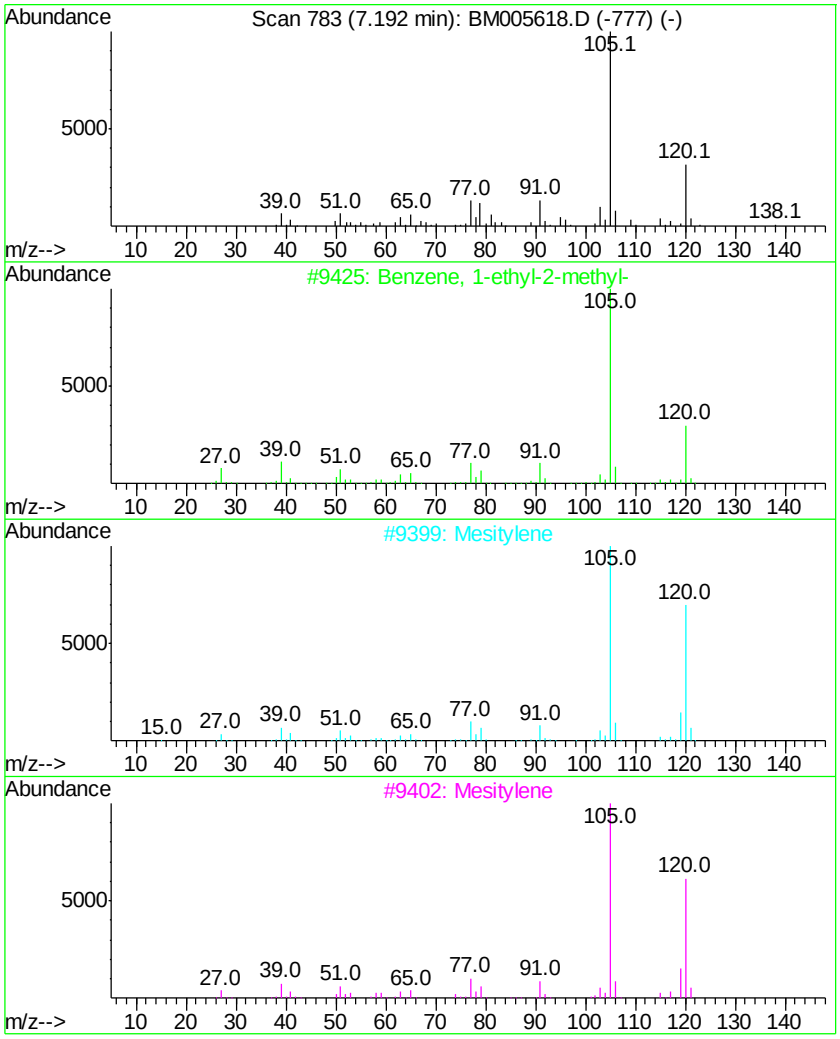
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

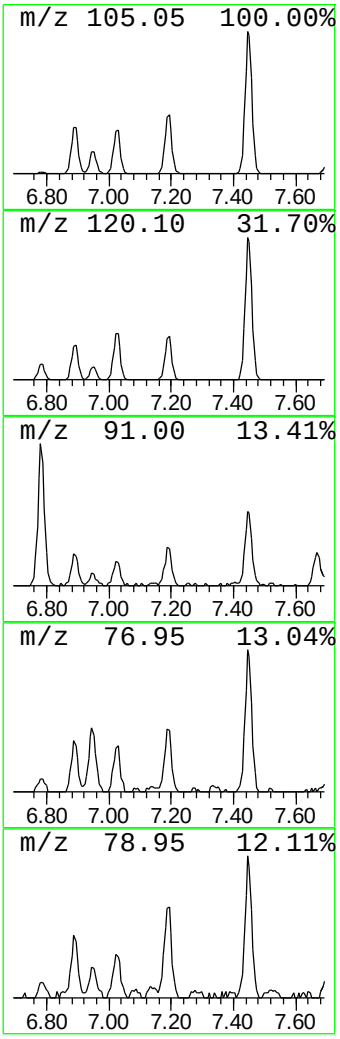
****

Peak Number 11 Benzene, 1-ethyl-2-methyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.19	5.09 ng/ul	239480	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
2	Mesitylene	120	C9H12	000108-67-8	76
3	Mesitylene	120	C9H12	000108-67-8	76
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	76
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	76





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Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

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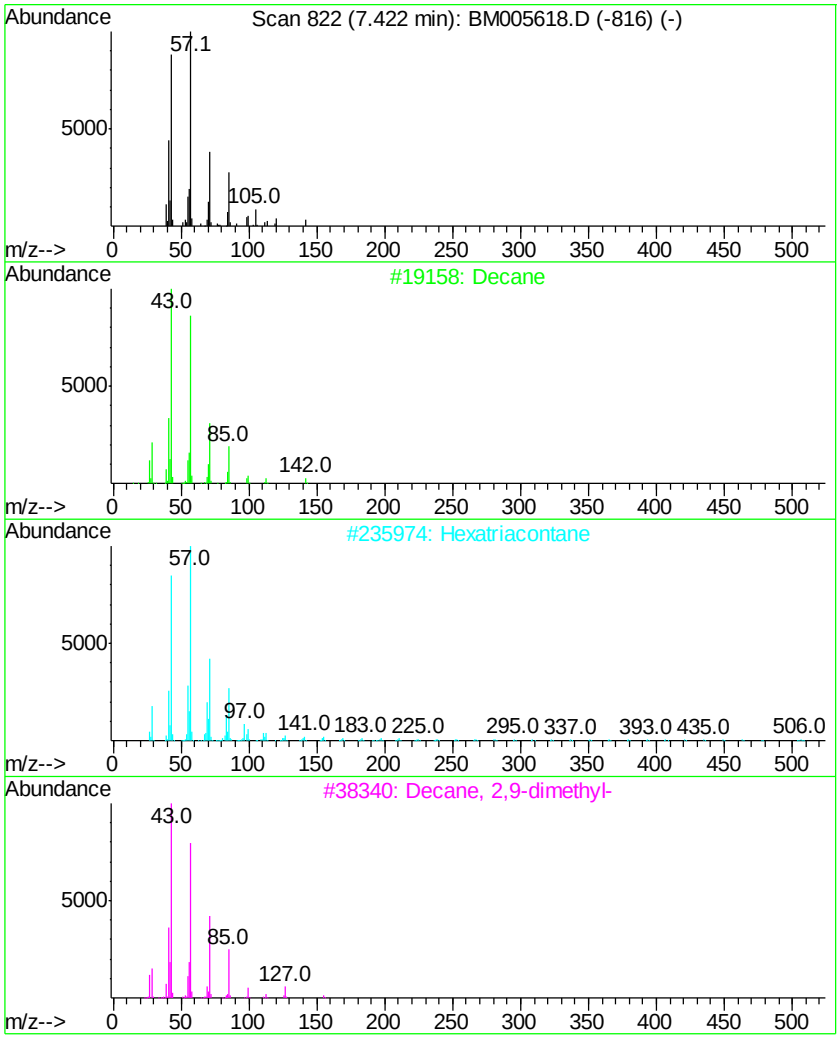
Quant Title : SVOA CALIBRATION

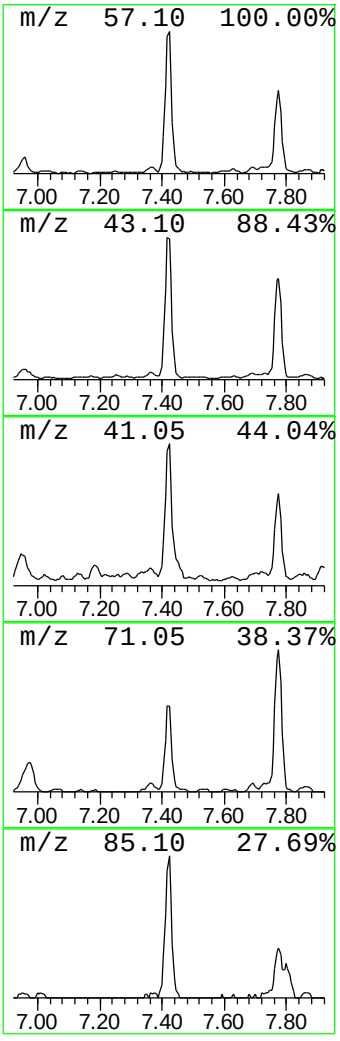
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.42	5.40 ng/ul	253872	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	90
2	Hexatriacontane	507	C36H74	000630-06-8	78
3	Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	72
4	Tetradecane	198	C14H30	000629-59-4	72
5	Nonane	128	C9H20	000111-84-2	72





Library Search Compound Report

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Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

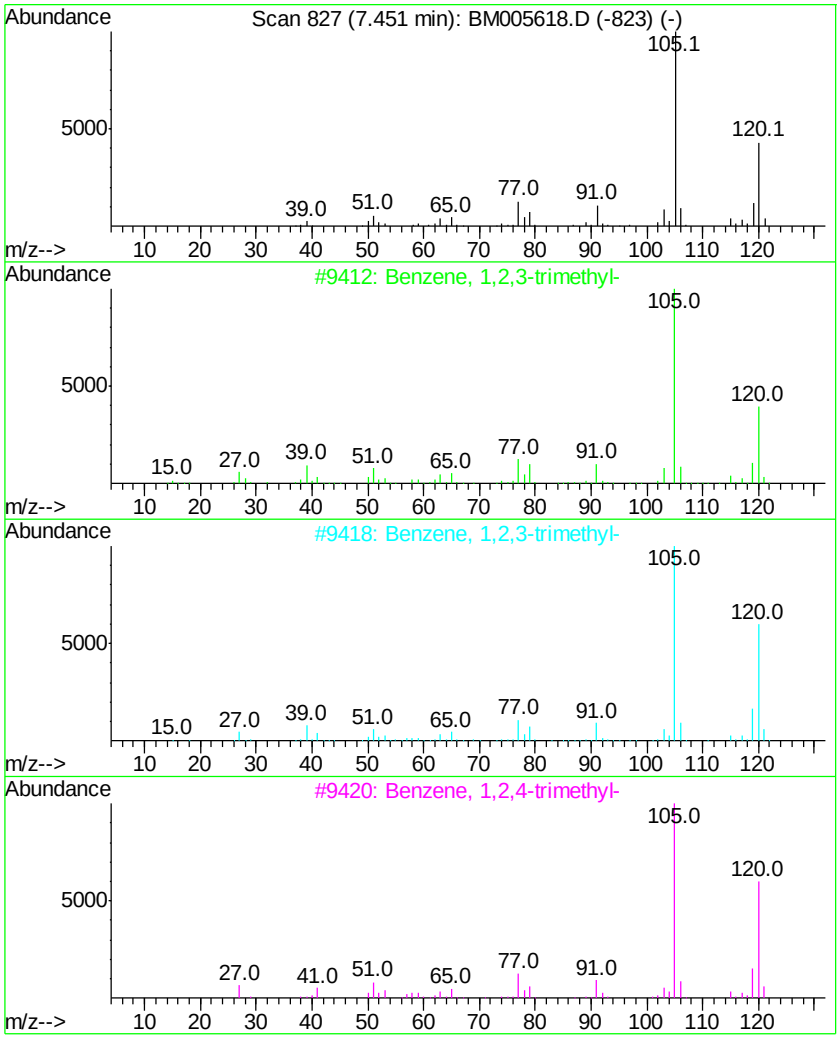
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

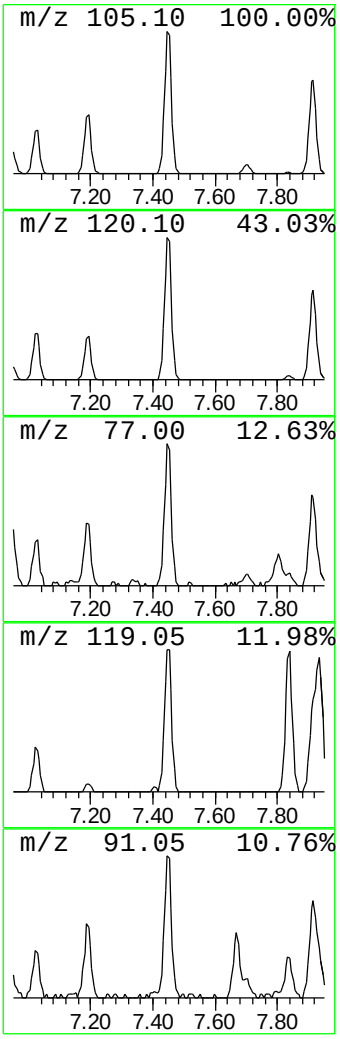
****

Peak Number 13 Benzene, 1,2,3-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.45	10.32 ng/ul	485577	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
4	Mesitylene	120	C9H12	000108-67-8	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94





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Operator : UM/SJ
Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

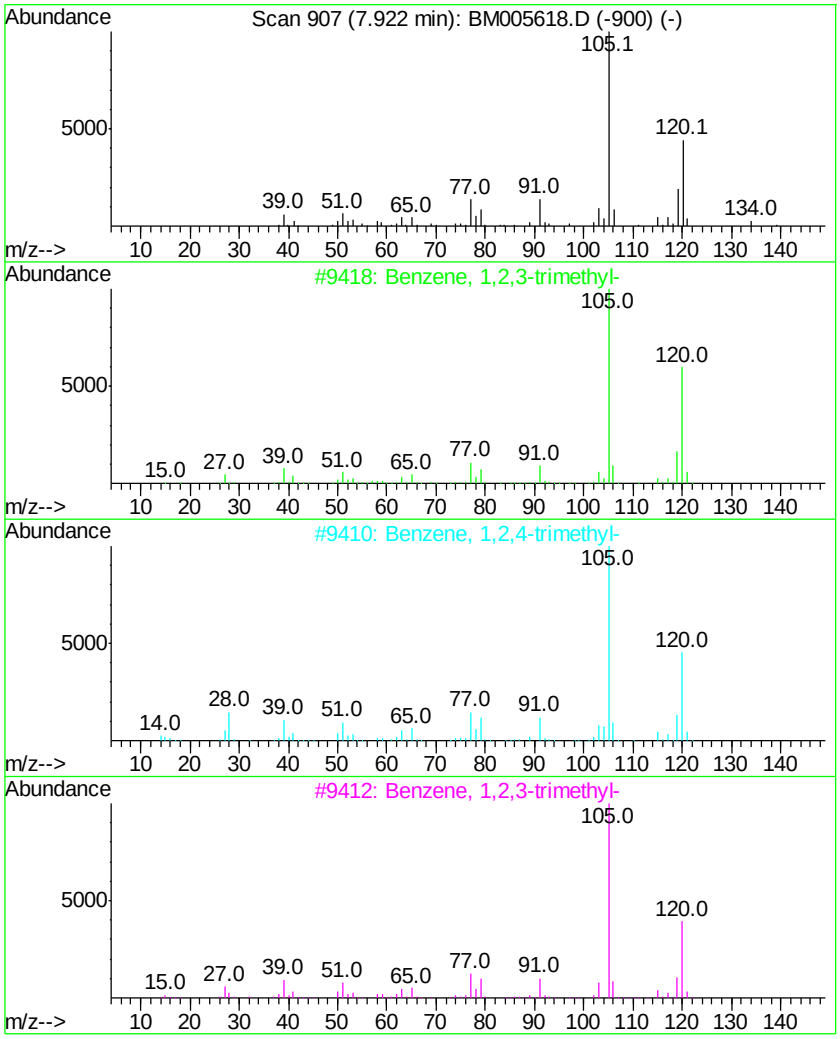
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

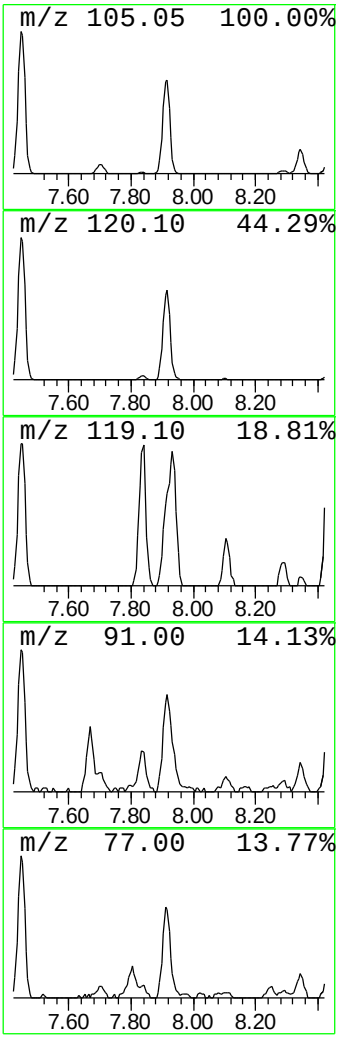
****

Peak Number 14 Benzene, 1,2,4-trimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.92	7.29 ng/ul	343027	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





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Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

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Quant Title : SVOA CALIBRATION

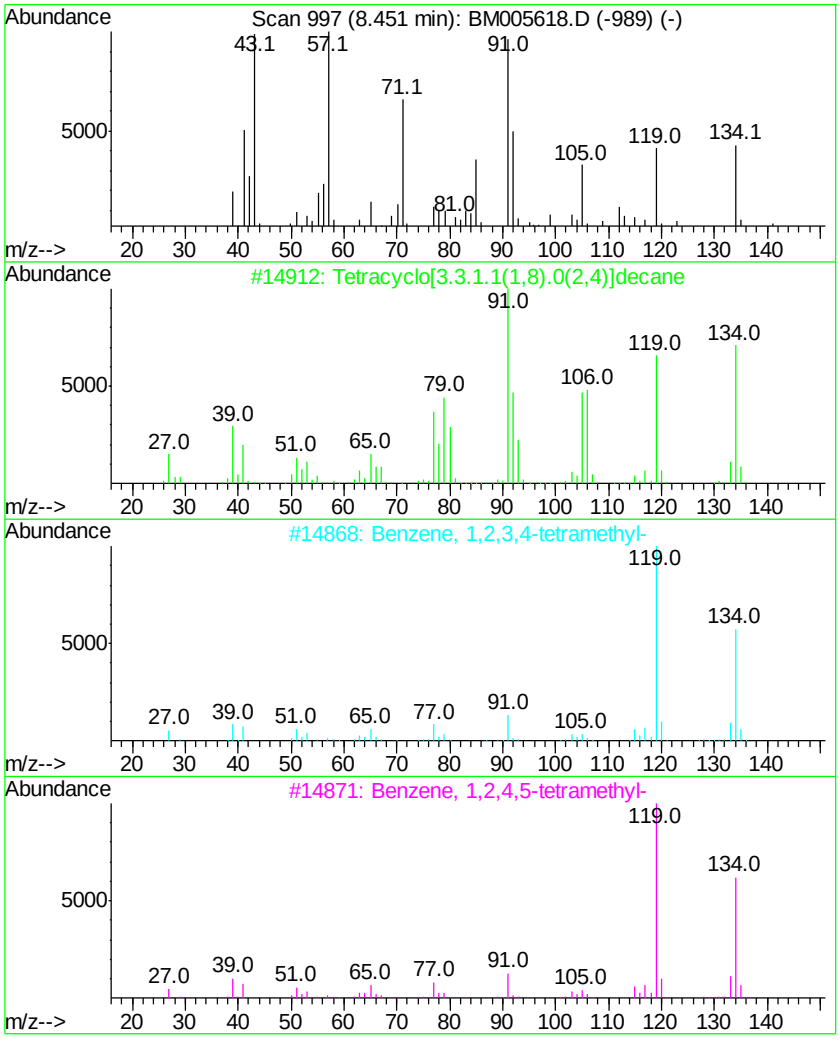
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

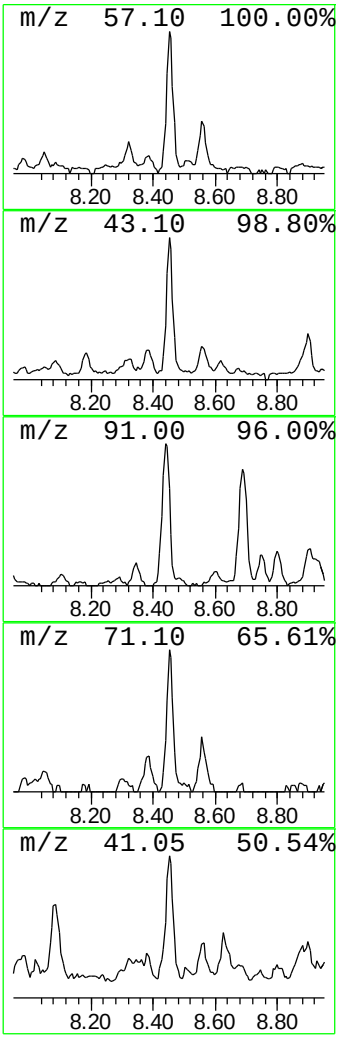
****

Peak Number 15 Tetracyclo[3.3.1.1(1,8).0(2... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	5.08 ng/ul	239015	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracyclo[3.3.1.1(1,8).0(2,4)]d...	134	C10H14	1000185-58-7	74
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	64
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	60
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	58
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	53





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Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

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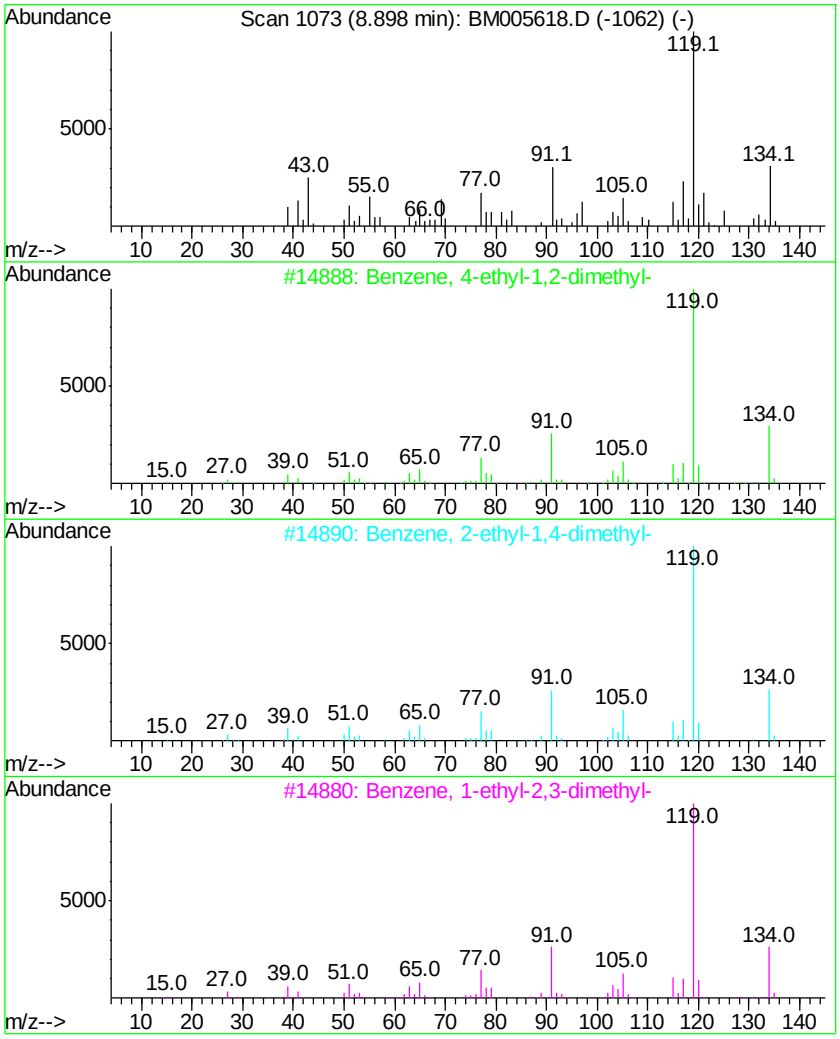
Quant Title : SVOA CALIBRATION

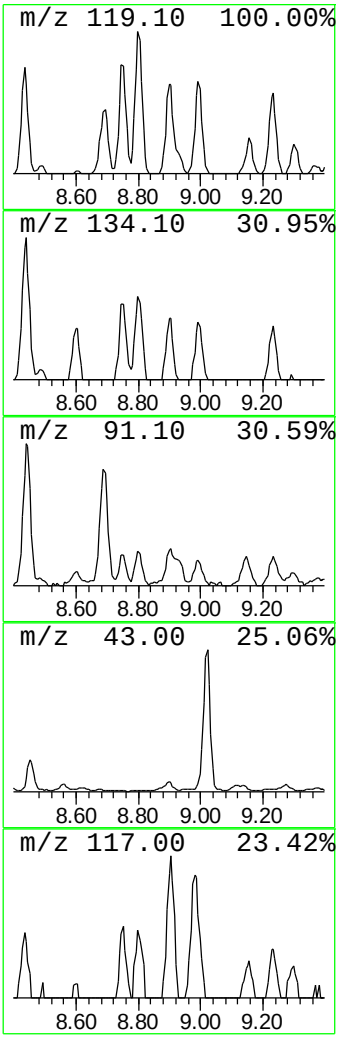
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.90	3.58 ng/ul	168339	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93
5	p-Cymene	134	C10H14	000099-87-6	76





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Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

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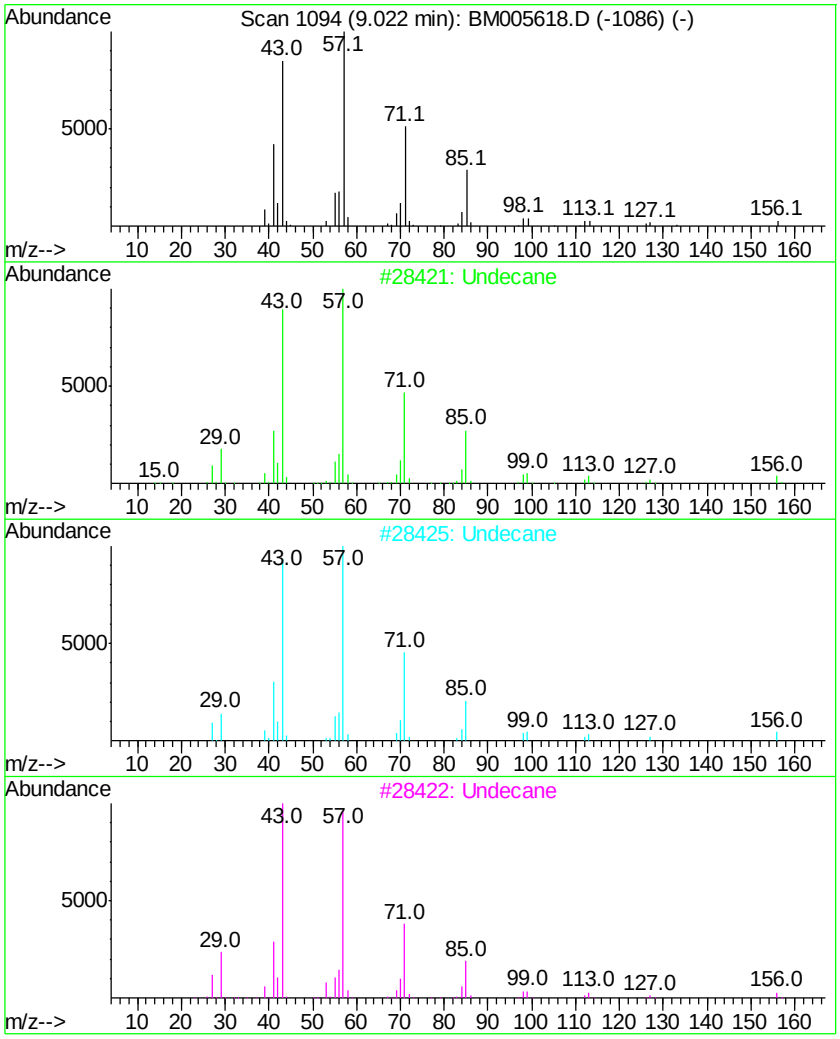
Quant Title : SVOA CALIBRATION

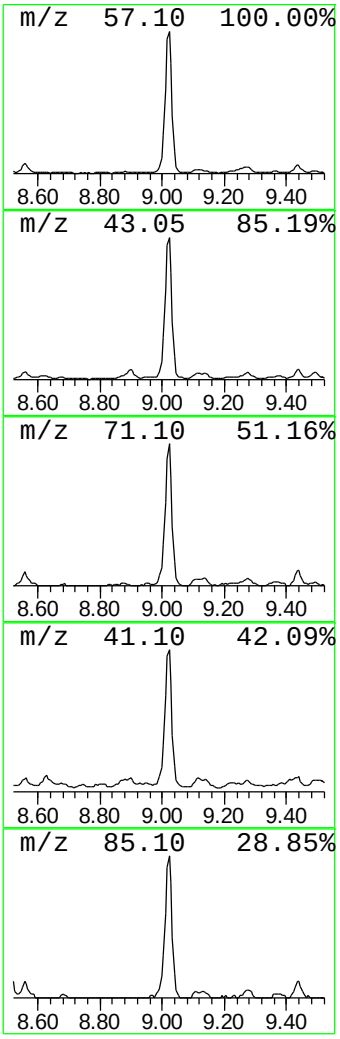
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.02	10.55 ng/ul	496170	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	94
2	Undecane	156	C11H24	001120-21-4	94
3	Undecane	156	C11H24	001120-21-4	91
4	Hexadecane	226	C16H34	000544-76-3	90
5	Tetradecane	198	C14H30	000629-59-4	90





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Misc :
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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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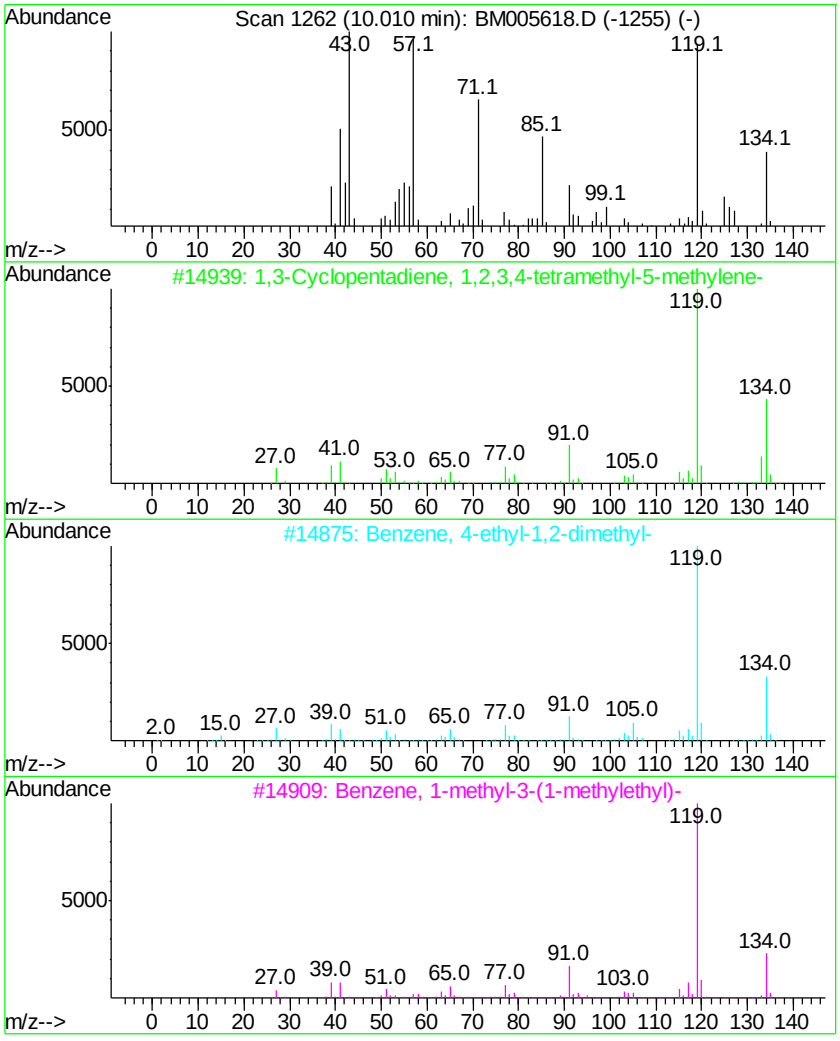
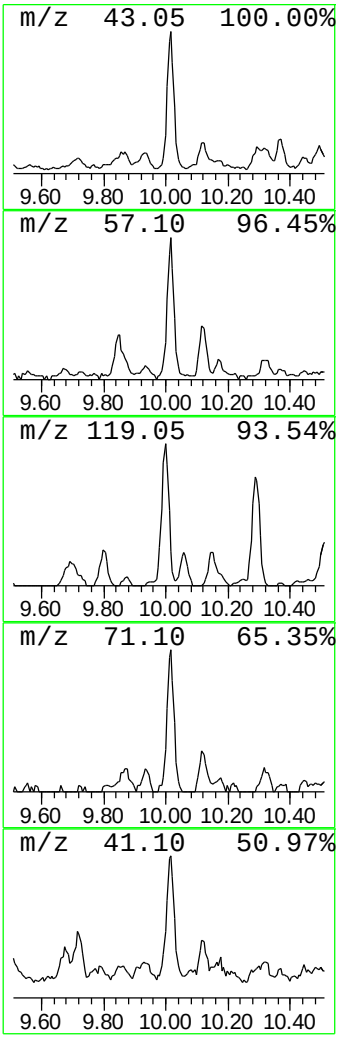
Peak Number 18 unknown-03 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.01	5.92 ng/ul	262742	Naphthalene-d8	10.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	46
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	46
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	46
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	46
5	1,3,8-p-Menthatriene	134	C10H14	018368-95-1	46





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Operator : UM/SJ
Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

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TIC Integration Parameters: LSCINT.P

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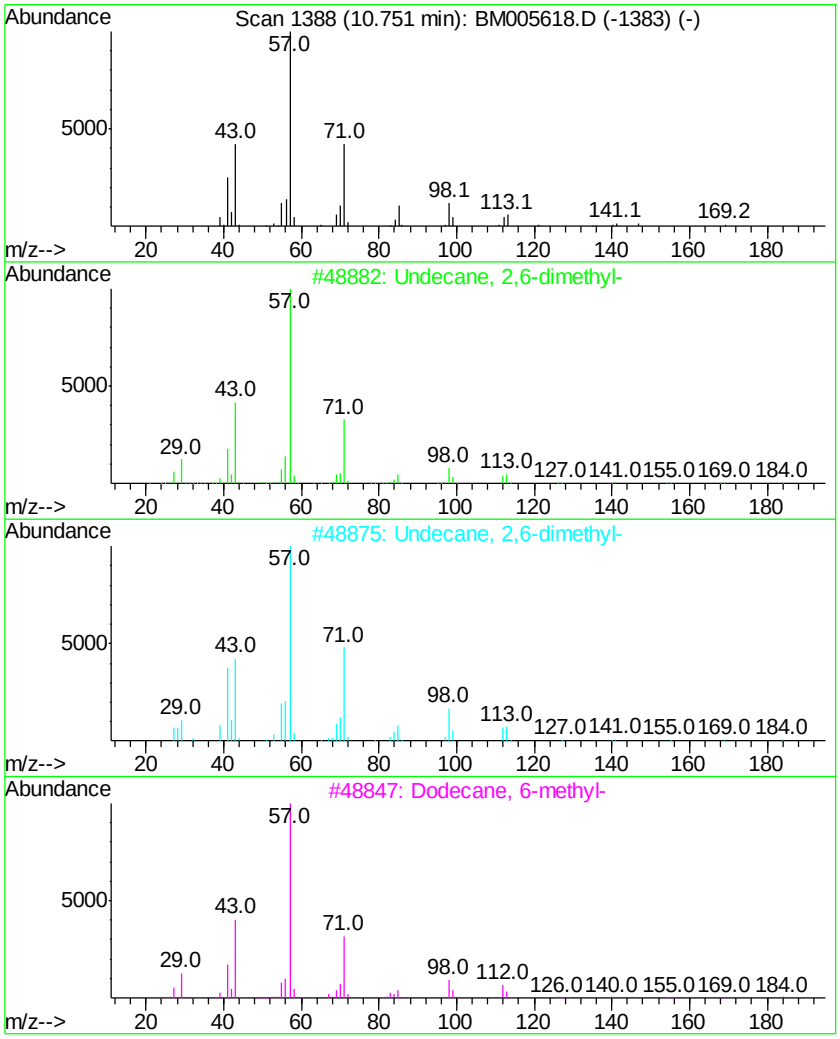
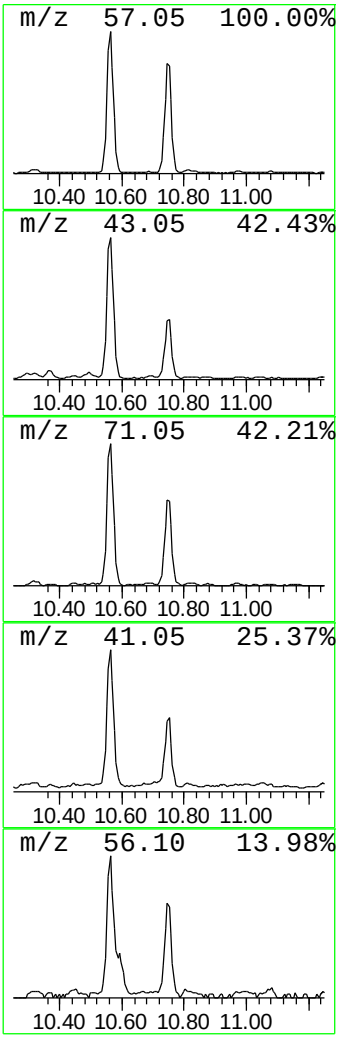
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	5.91 ng/ul	262352	Naphthalene-d8	10.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	90
2	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	86
3	Dodecane, 6-methyl-	184	C13H28	006044-71-9	86
4	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	83
5	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	64





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Acq On : 23 May 2016 20:05
Operator : UM/SJ
Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

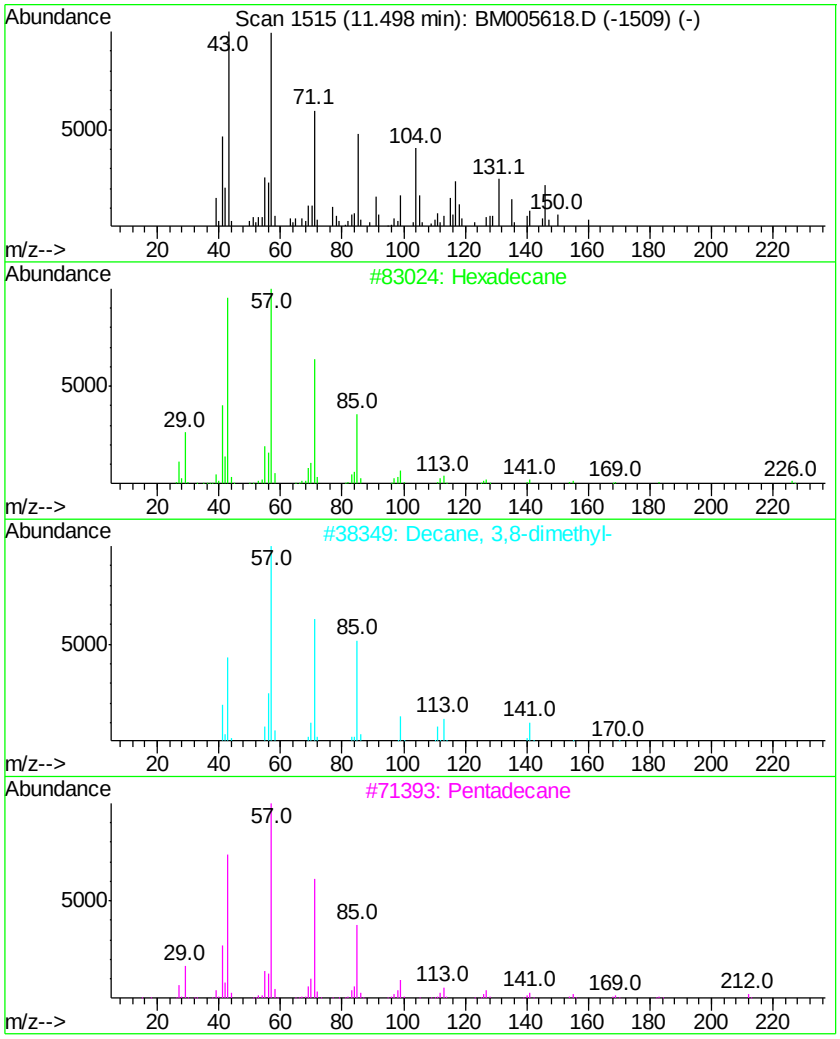
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

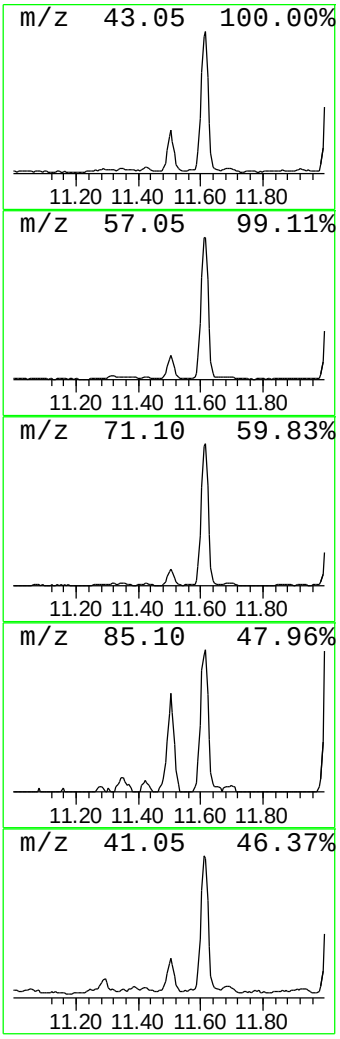
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.50	4.59 ng/ul	203891	Naphthalene-d8	10.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	58
2	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	53
3	Pentadecane	212	C15H32	000629-62-9	52
4	9-methylheptadecane	254	C18H38	026741-18-4	50
5	Decane, 1-iodo-	268	C10H21I	002050-77-3	47





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Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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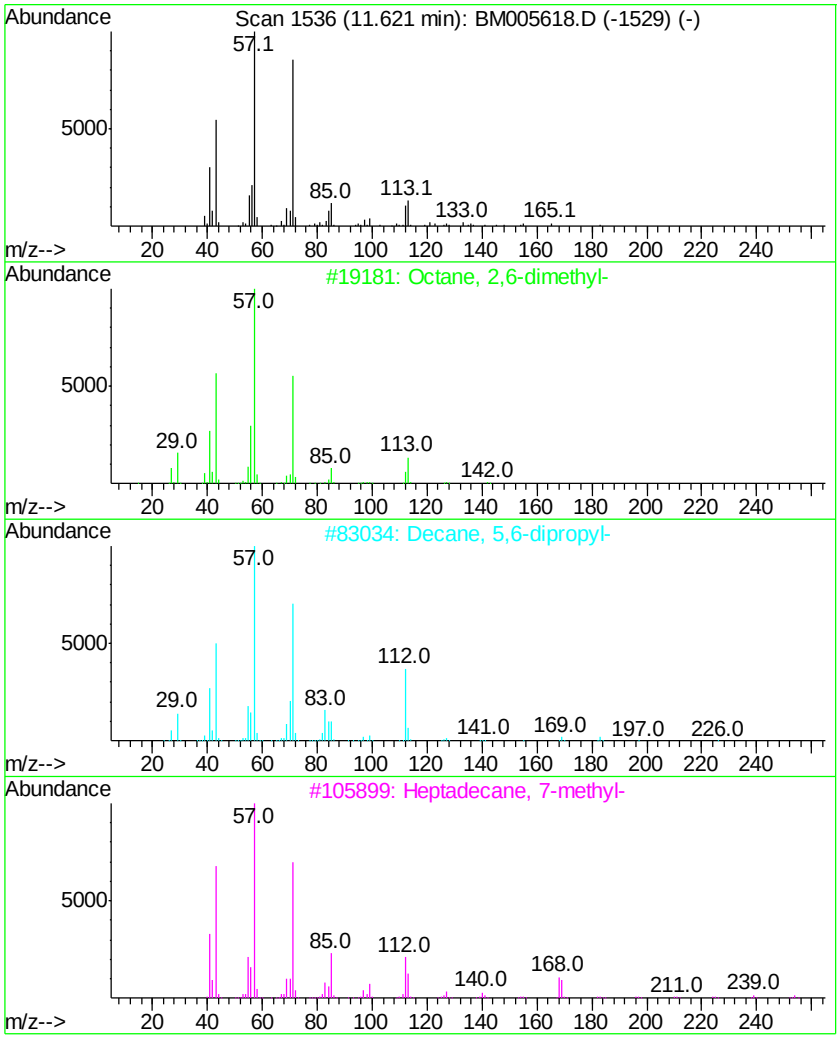
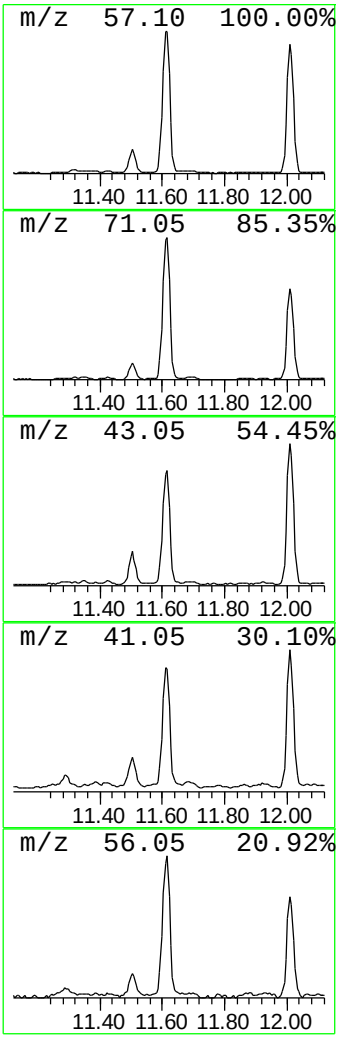
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	13.24 ng/ul	587566	Naphthalene-d8	10.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	83
2	Decane, 5,6-dipropyl-	226	C16H34	119209-20-0	78
3	Heptadecane, 7-methyl-	254	C18H38	020959-33-5	78
4	Heptane, 5-ethyl-2-methyl-	142	C10H22	013475-78-0	78
5	Hexadecane, 7-methyl-	240	C17H36	026730-20-1	64





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ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

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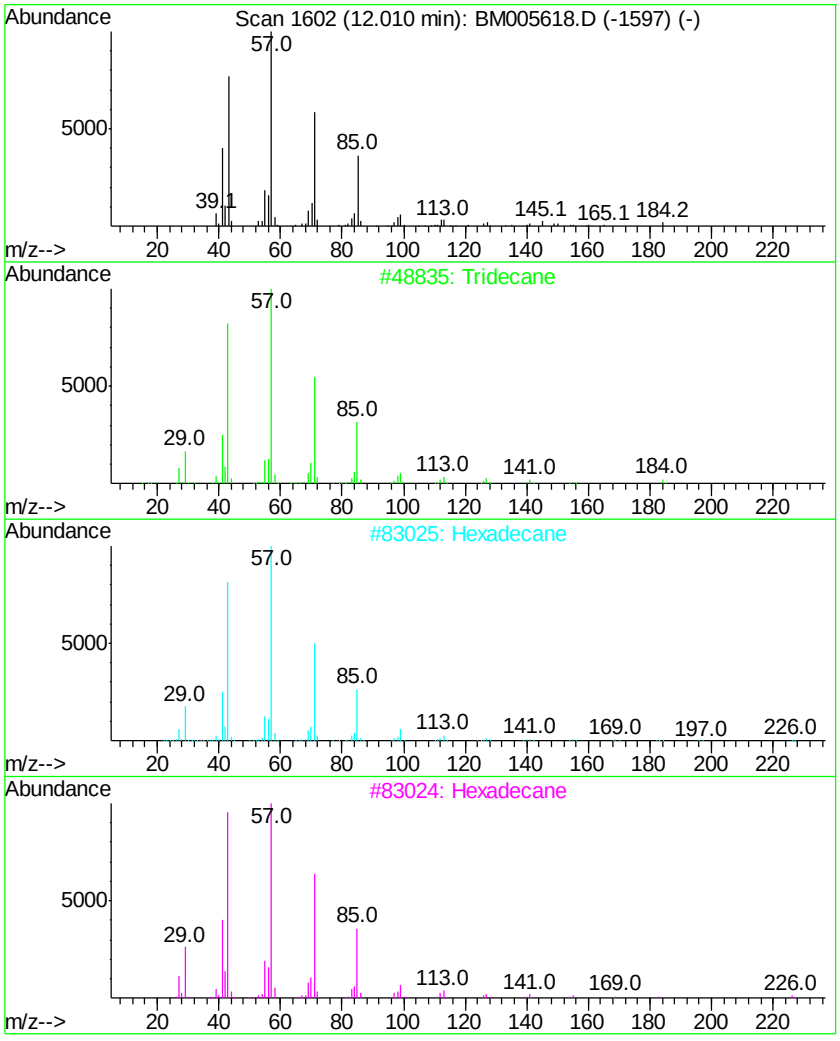
Quant Title : SVOA CALIBRATION

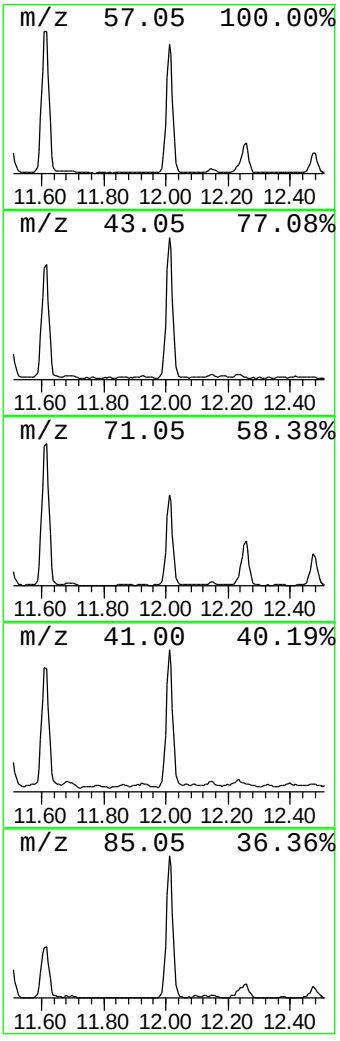
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	11.80 ng/ul	523994	Naphthalene-d8	10.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	94
2	Hexadecane	226	C16H34	000544-76-3	91
3	Hexadecane	226	C16H34	000544-76-3	91
4	Tetradecane	198	C14H30	000629-59-4	90
5	Pentadecane	212	C15H32	000629-62-9	90





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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

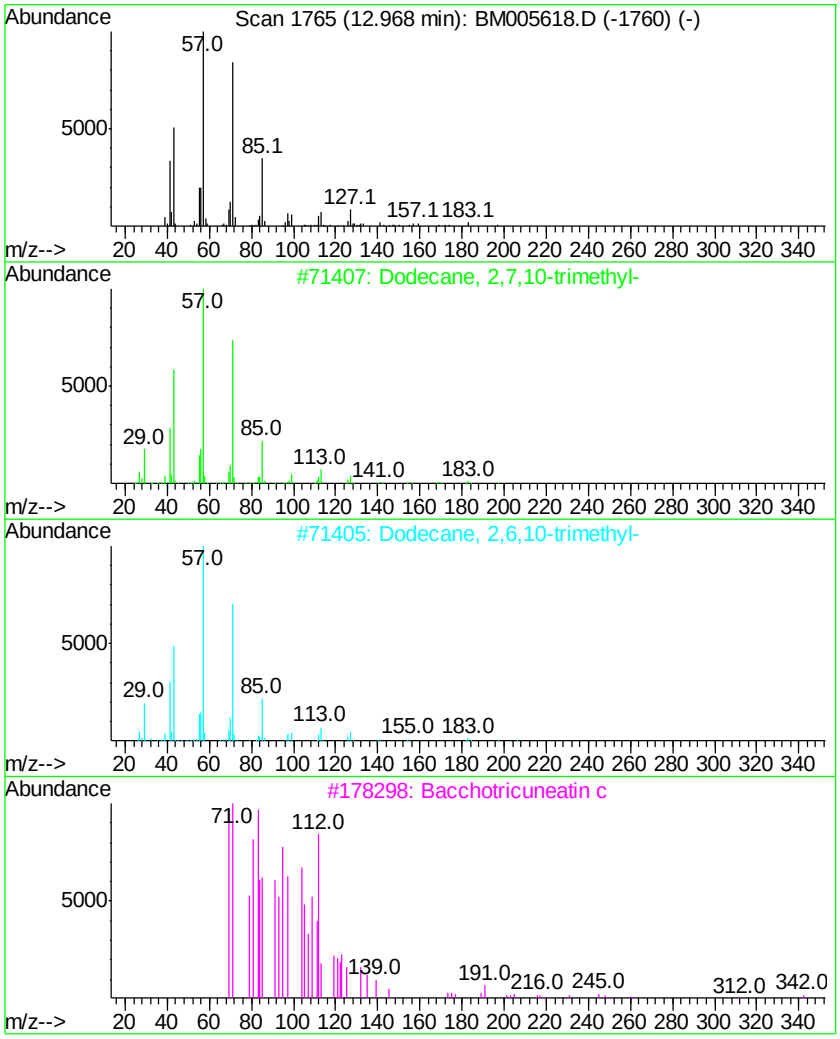
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

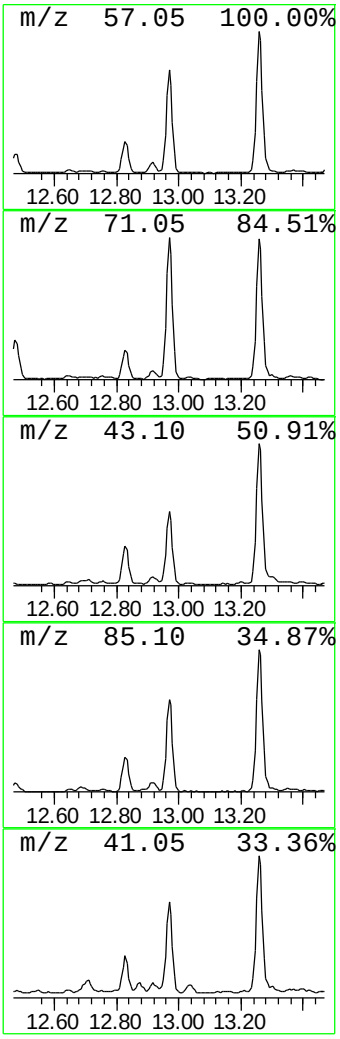
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	5.99 ng/ul	477321	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	91
2	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	90
3	Bacchotricuneatin c	342	C20H22O5	066563-30-2	80
4	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	78
5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	62





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ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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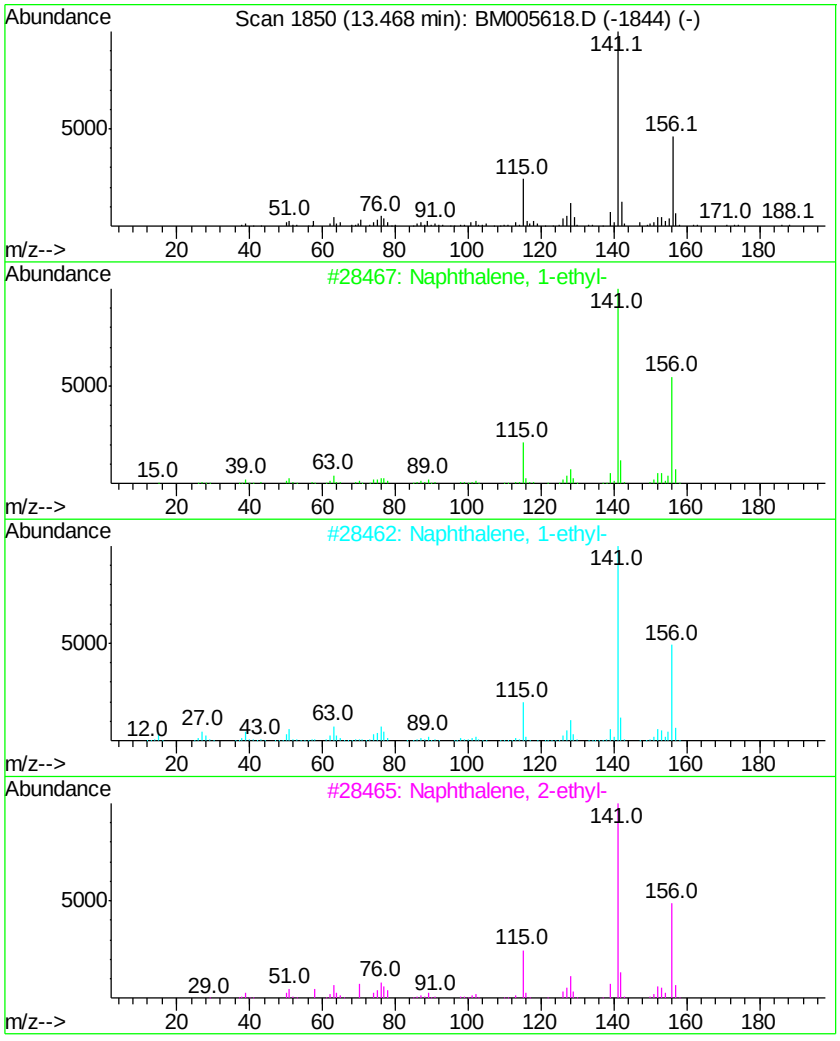
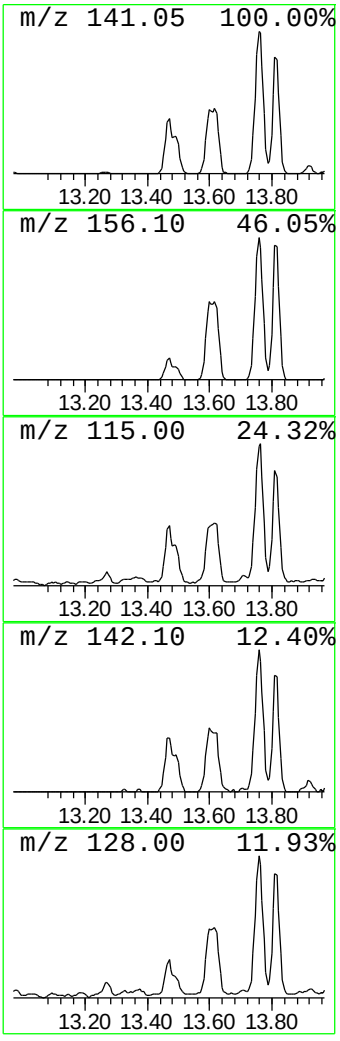
Peak Number 25 Naphthalene, 1-ethyl- Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	3.26 ng/ul	259329	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94





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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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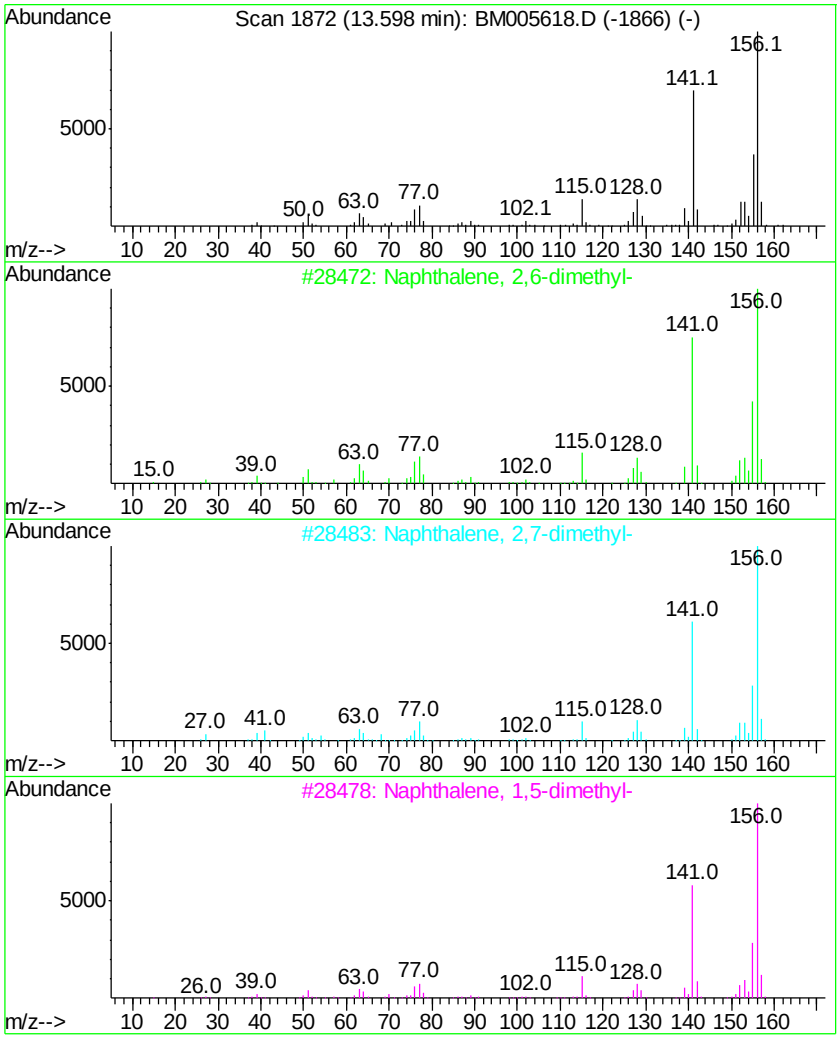
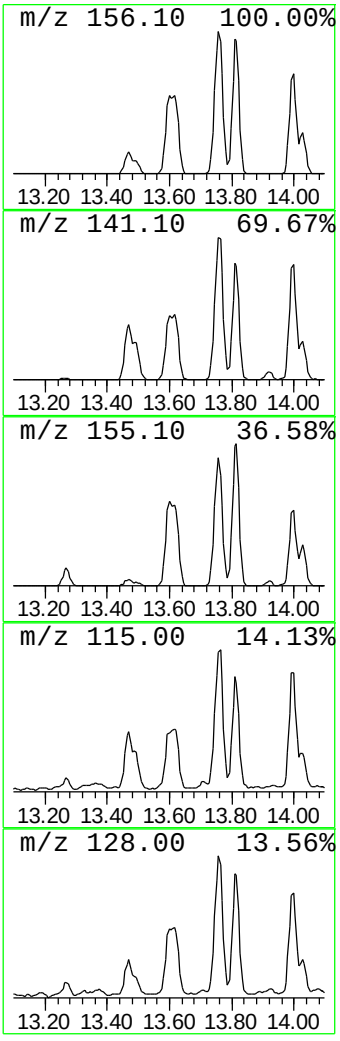
Peak Number 26 Naphthalene, 2,6-dimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.60	7.43 ng/ul	592151	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





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Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

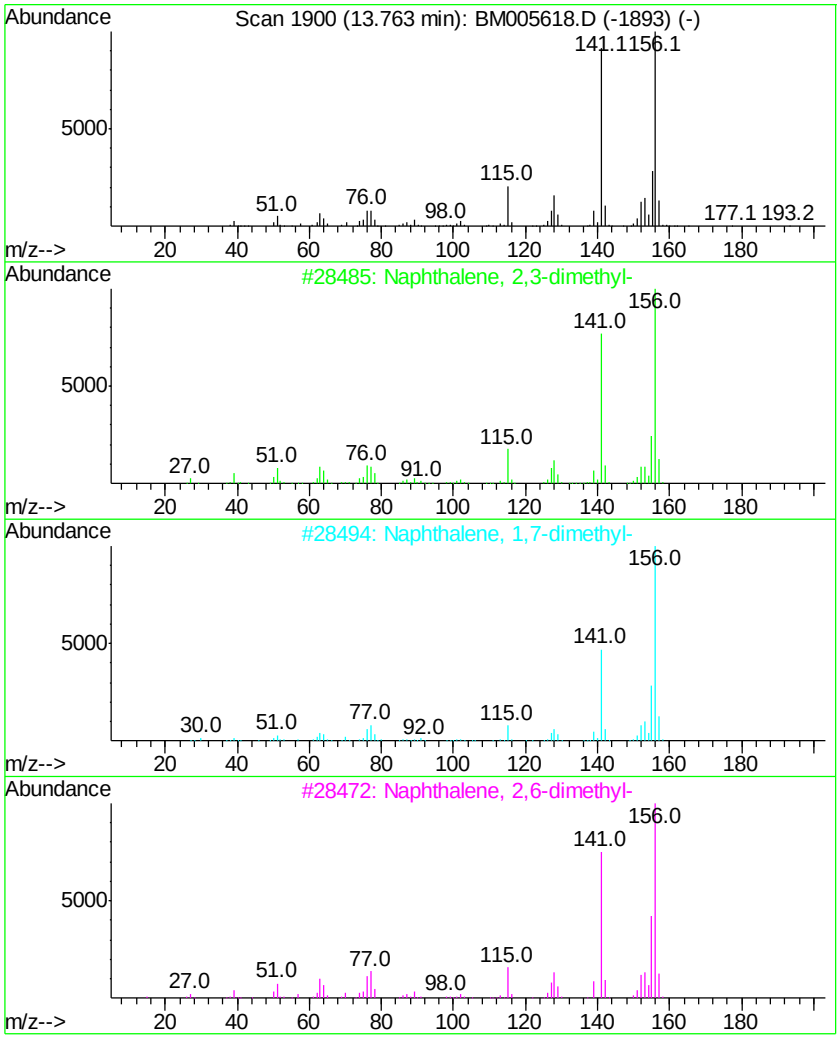
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

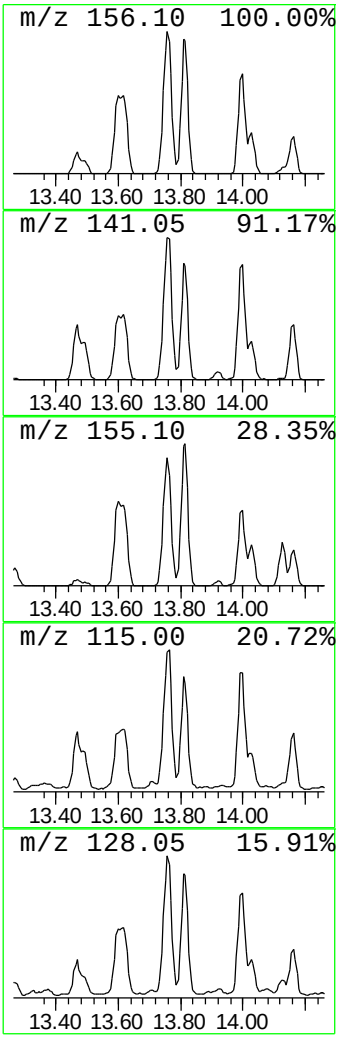
****

Peak Number 27 Naphthalene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	15.08 ng/ul	1201240	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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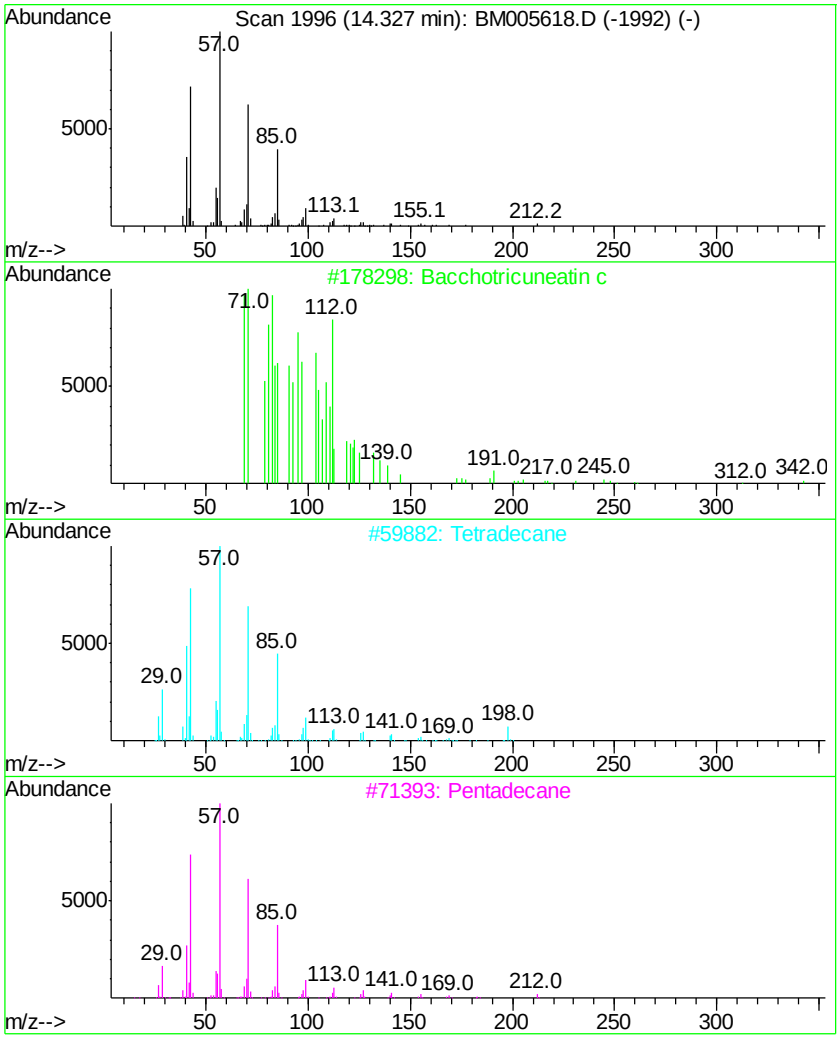
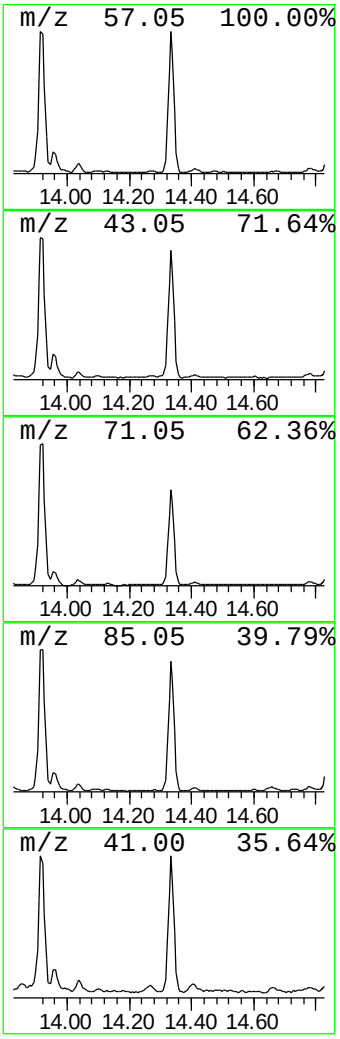
Peak Number 30 Bacchotricuneatin c Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	7.93 ng/ul	631648	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bacchotricuneatin c	342	C20H22O5	066563-30-2	96
2	Tetradecane	198	C14H30	000629-59-4	90
3	Pentadecane	212	C15H32	000629-62-9	86
4	Hexadecane	226	C16H34	000544-76-3	72
5	Hexadecane	226	C16H34	000544-76-3	72





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ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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Peak Number 31 2-Naphthalenecarboxaldehyde Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	4.49 ng/ul	357341	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarboxaldehyde	156	C11H8O	000066-99-9	96
2	2-Naphthalenecarboxaldehyde	156	C11H8O	000066-99-9	95
3	2-Naphthalenecarboxaldehyde	156	C11H8O	000066-99-9	86
4	2-Naphthalenecarboxaldehyde	156	C11H8O	000066-99-9	70
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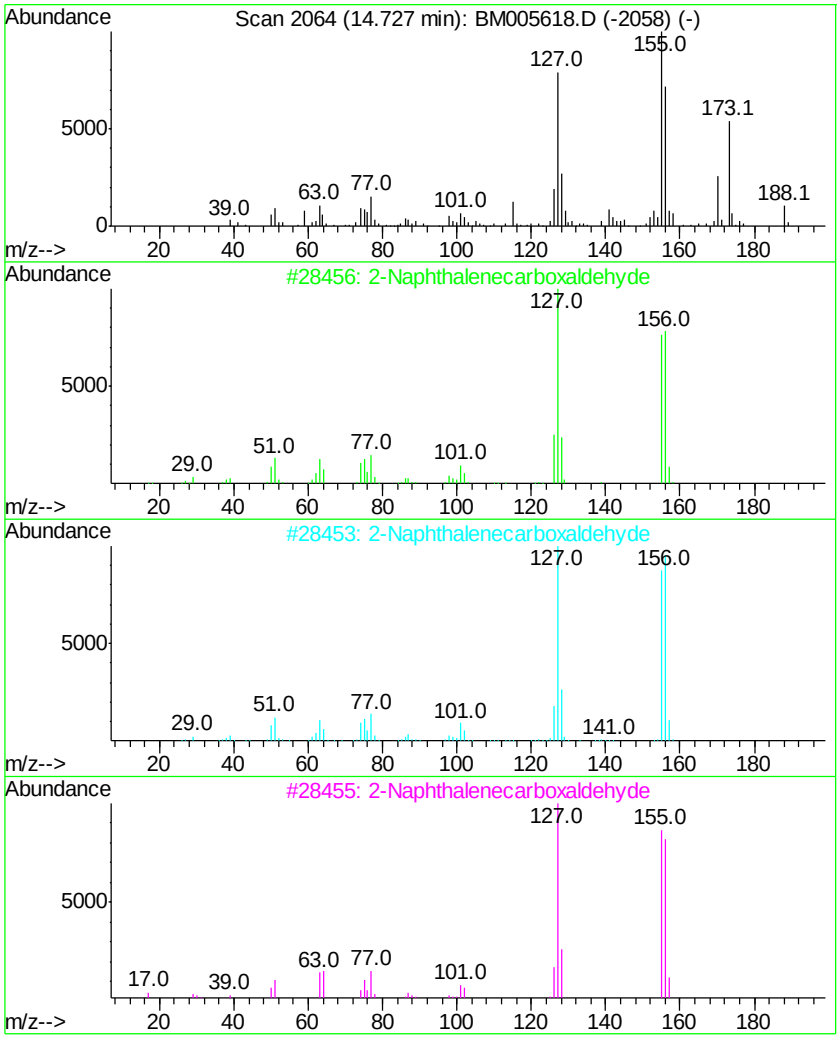

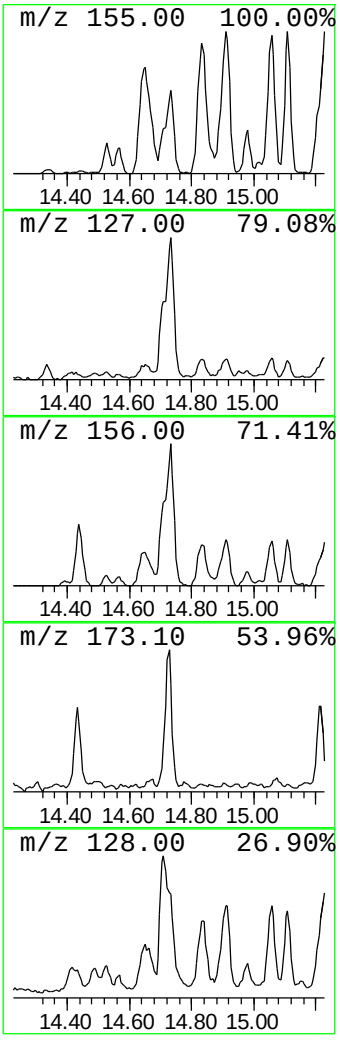

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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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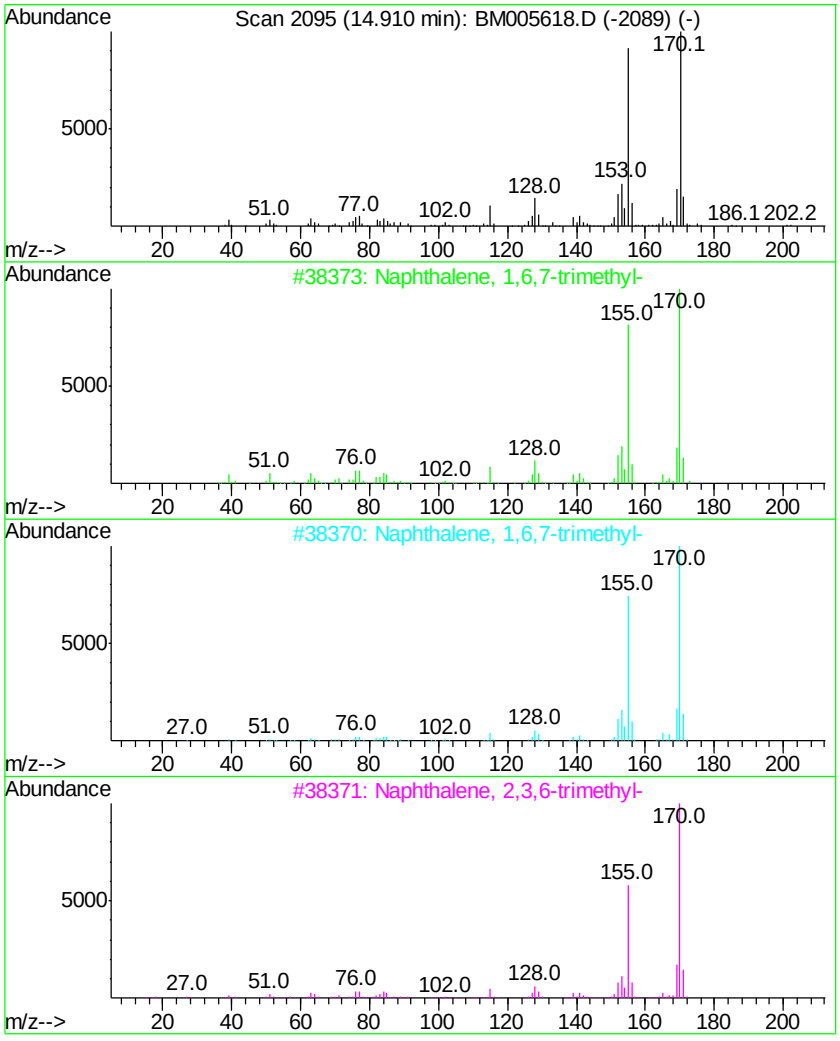
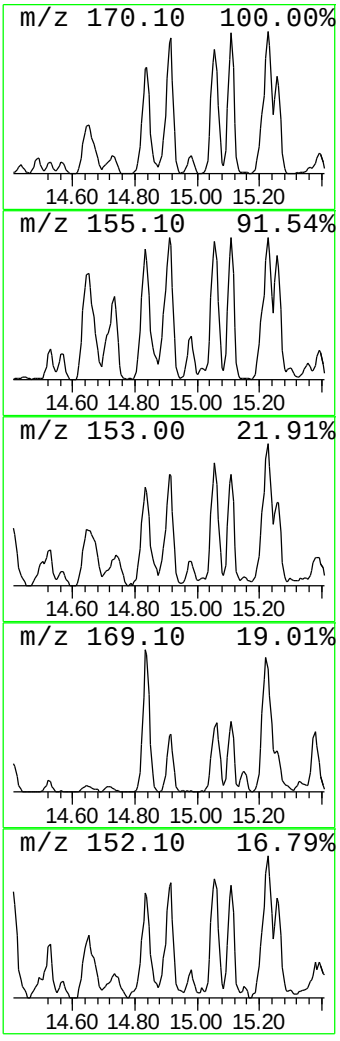
Peak Number 32 Naphthalene, 1,6,7-trimethyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.91	5.04 ng/ul	401478	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96





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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

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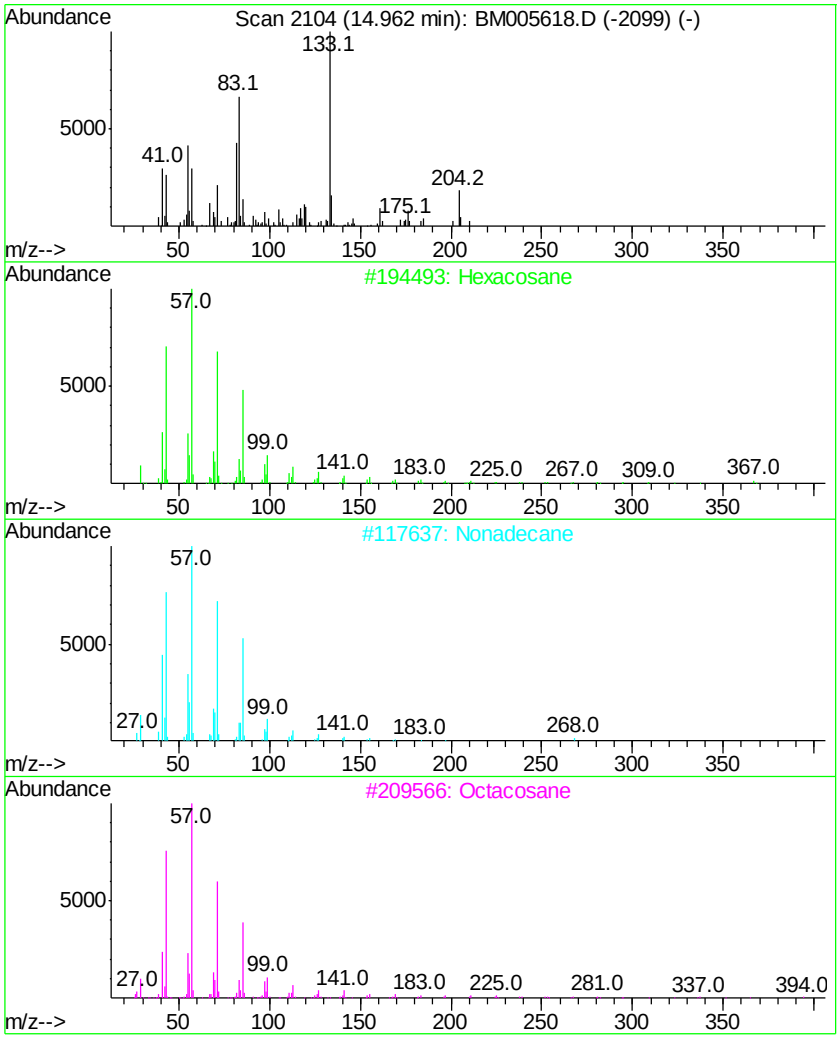
Quant Title : SVOA CALIBRATION

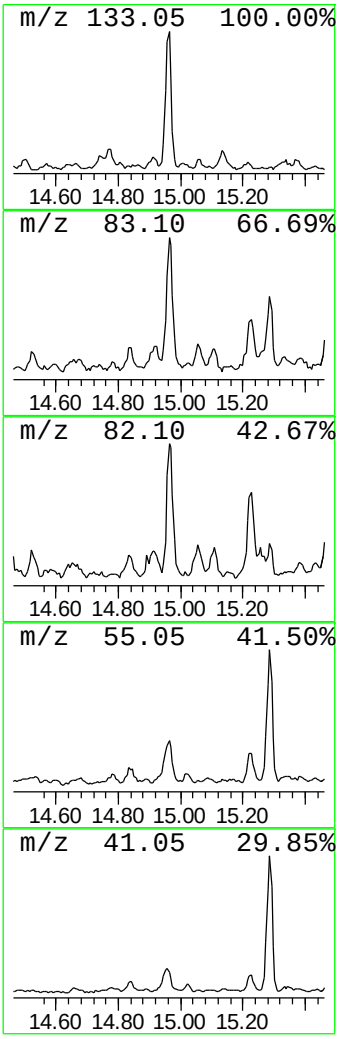
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	3.25 ng/ul	258738	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	18
2	Nonadecane	268	C19H40	000629-92-5	18
3	Octacosane	394	C28H58	000630-02-4	18
4	Heneicosane	296	C21H44	000629-94-7	18
5	Hexadecane	226	C16H34	000544-76-3	15





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Instrument : BNA_M
ClientSampleId : D9WT5DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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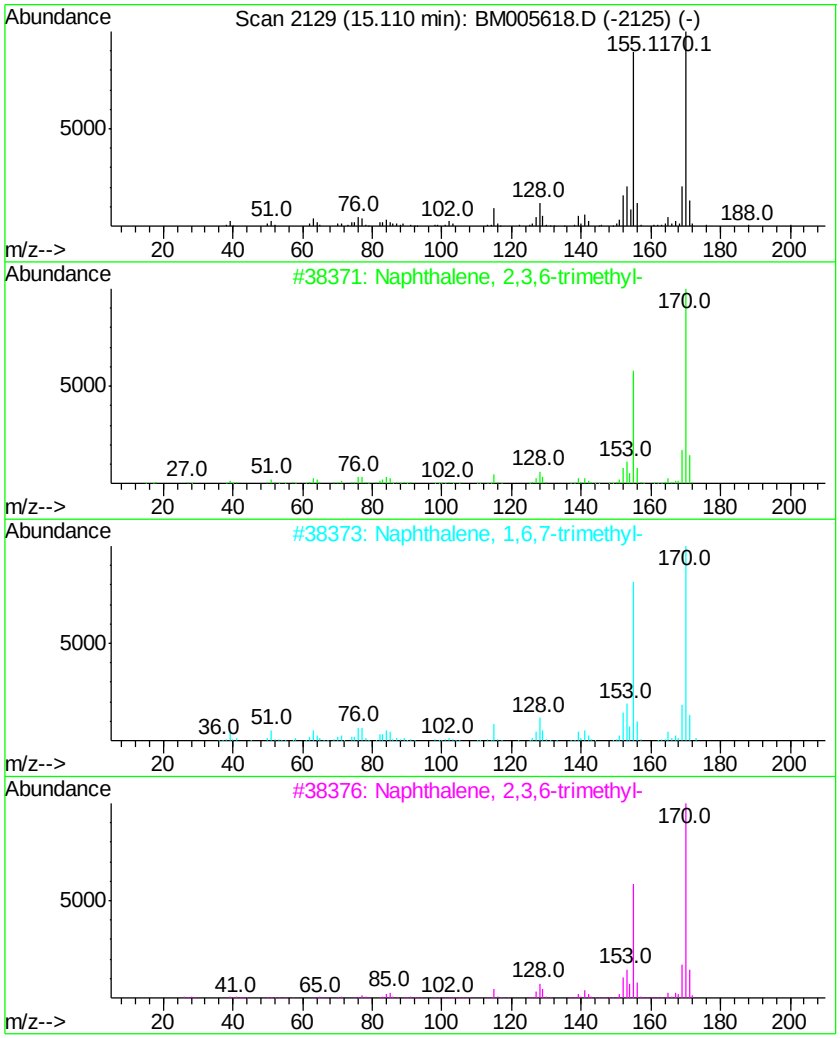
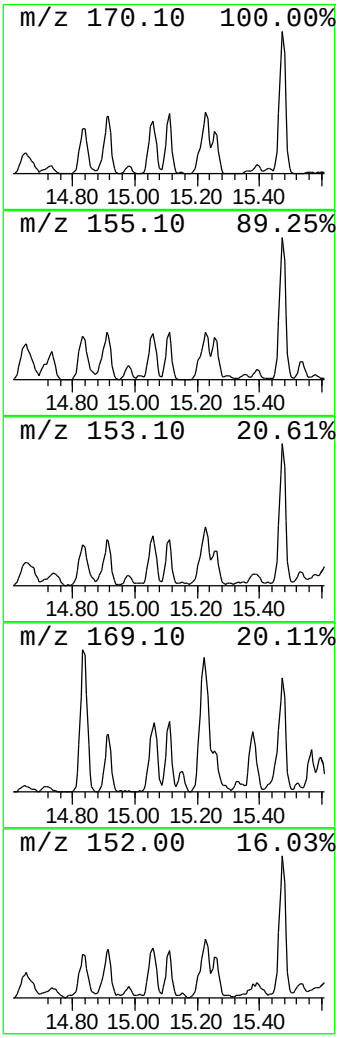
Peak Number 35 Naphthalene, 2,3,6-trimethyl- Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.11	3.71 ng/ul	295256	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95





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Data File : BM005618.D
Acq On : 23 May 2016 20:05
Operator : UM/SJ
Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

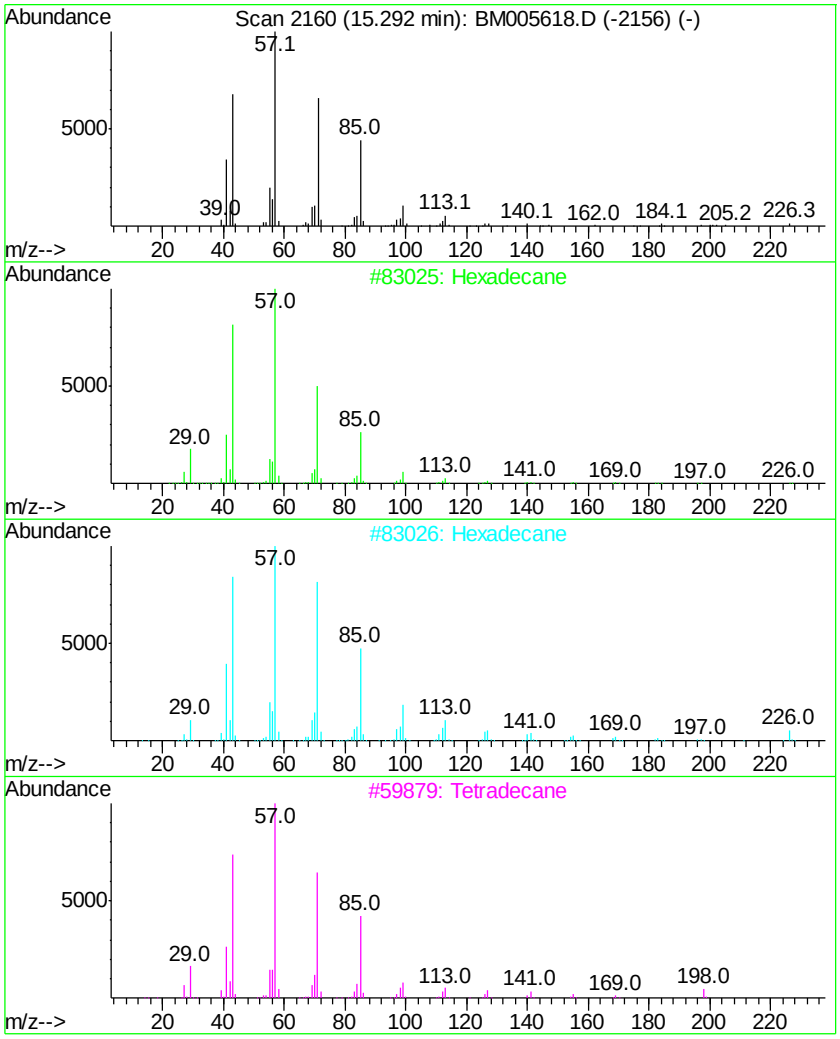
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

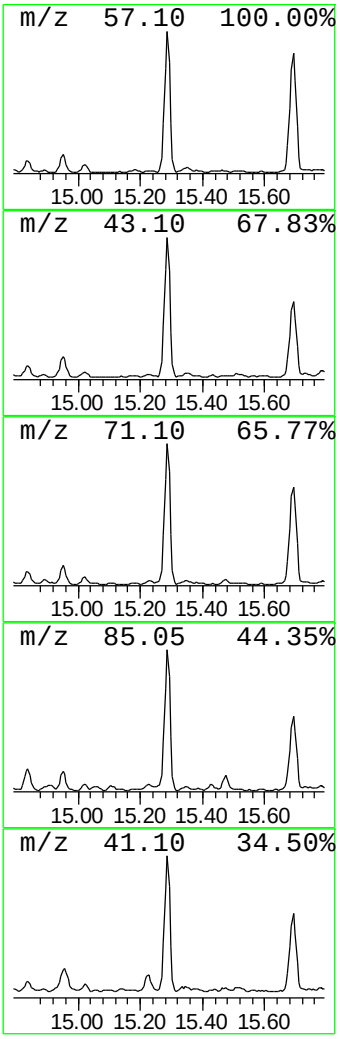
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	7.82 ng/ul	622721	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	94
2	Hexadecane	226	C16H34	000544-76-3	91
3	Tetradecane	198	C14H30	000629-59-4	86
4	Tetradecane	198	C14H30	000629-59-4	86
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	64





Library Search Compound Report

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Data File : BM005618.D
Acq On : 23 May 2016 20:05
Operator : UM/SJ
Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

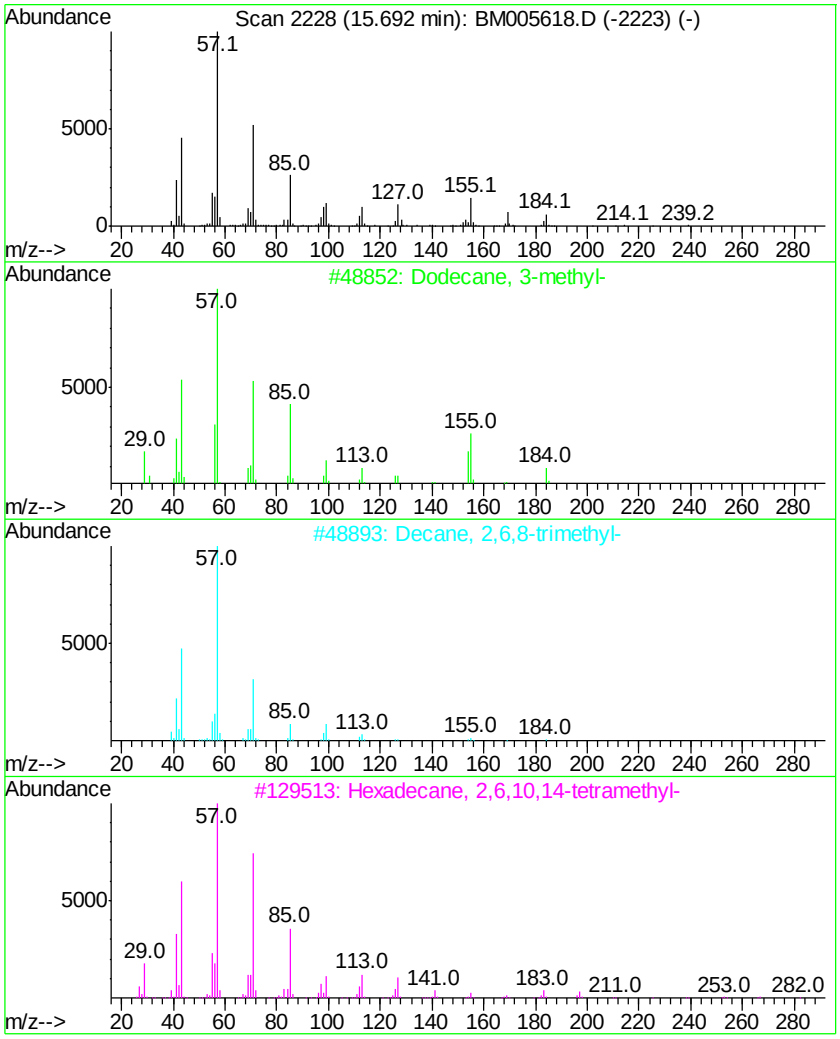
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

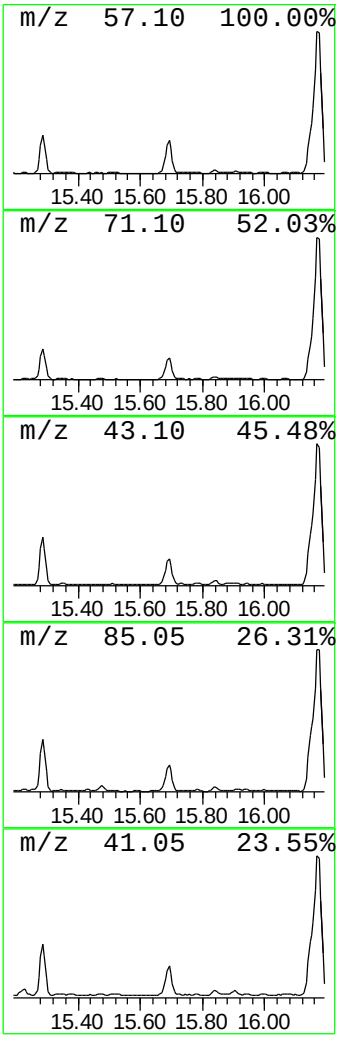
****

Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	8.46 ng/ul	674278	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 3-methyl-	184	C13H28	017312-57-1	83
2	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	76
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	58
4	Dodecane, 3-methyl-	184	C13H28	017312-57-1	53
5	Hexadecane	226	C16H34	000544-76-3	53





Library Search Compound Report

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Data File : BM005618.D
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Operator : UM/SJ
Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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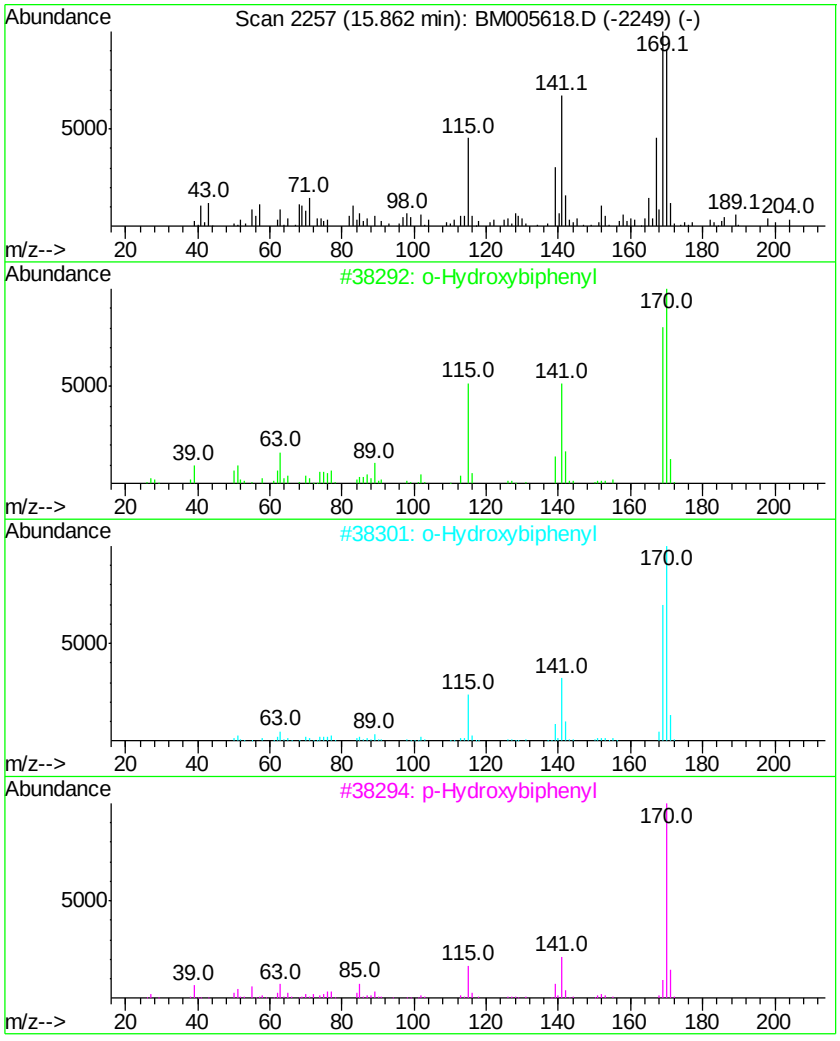
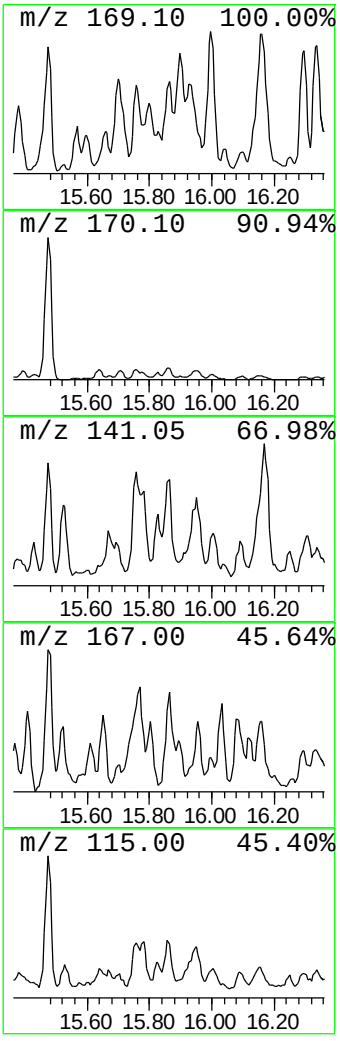
Peak Number 41 o-Hydroxybiphenyl Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	2.38 ng/ul	171120	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	81
2	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	81
3	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	78
4	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	72
5	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	60





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Acq On : 23 May 2016 20:05
Operator : UM/SJ
Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

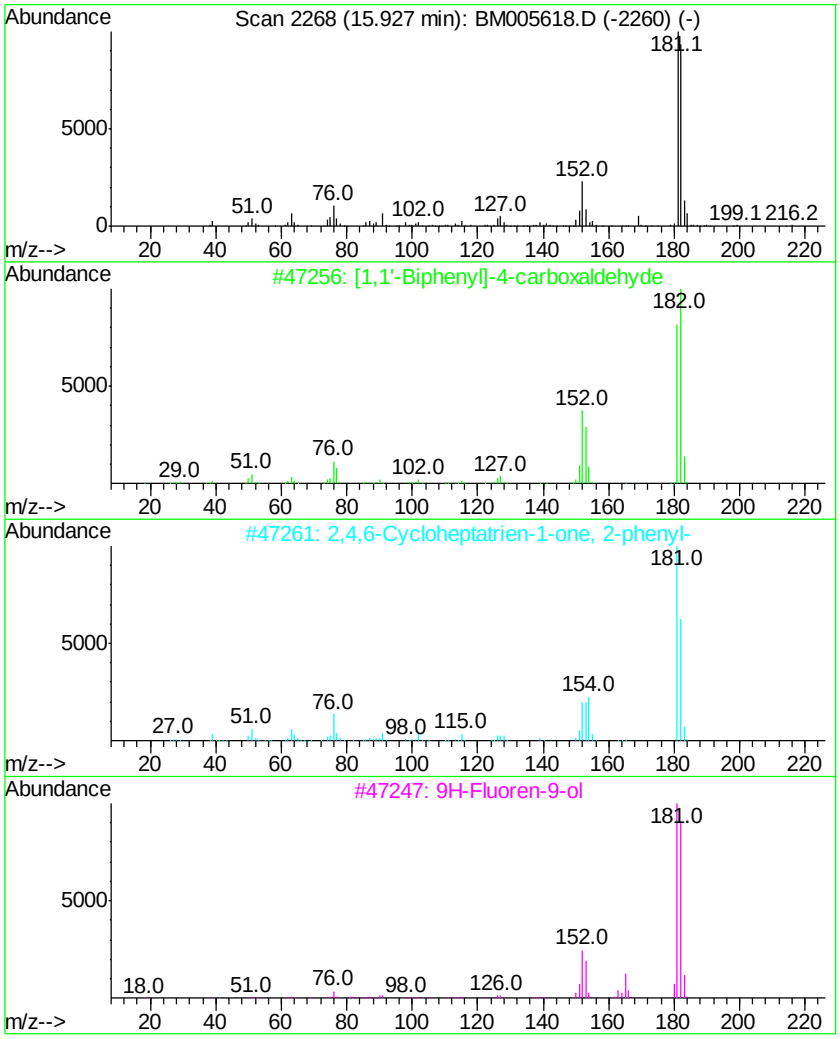
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

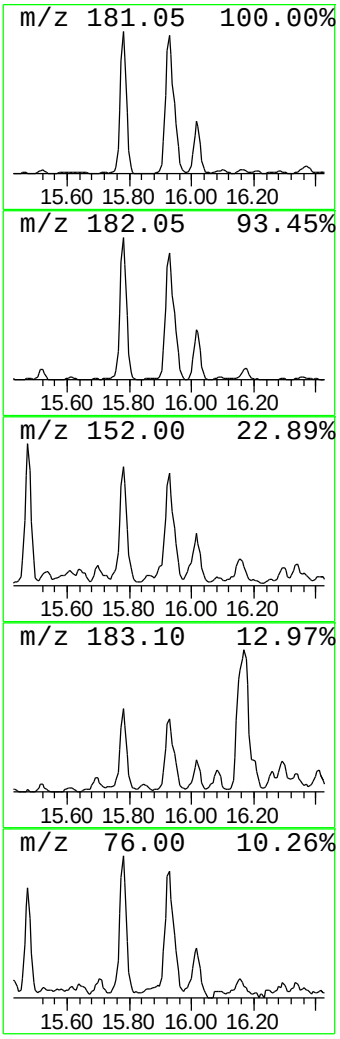
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 42 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	12.53 ng/ul	901699	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78





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Acq On : 23 May 2016 20:05
Operator : UM/SJ
Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

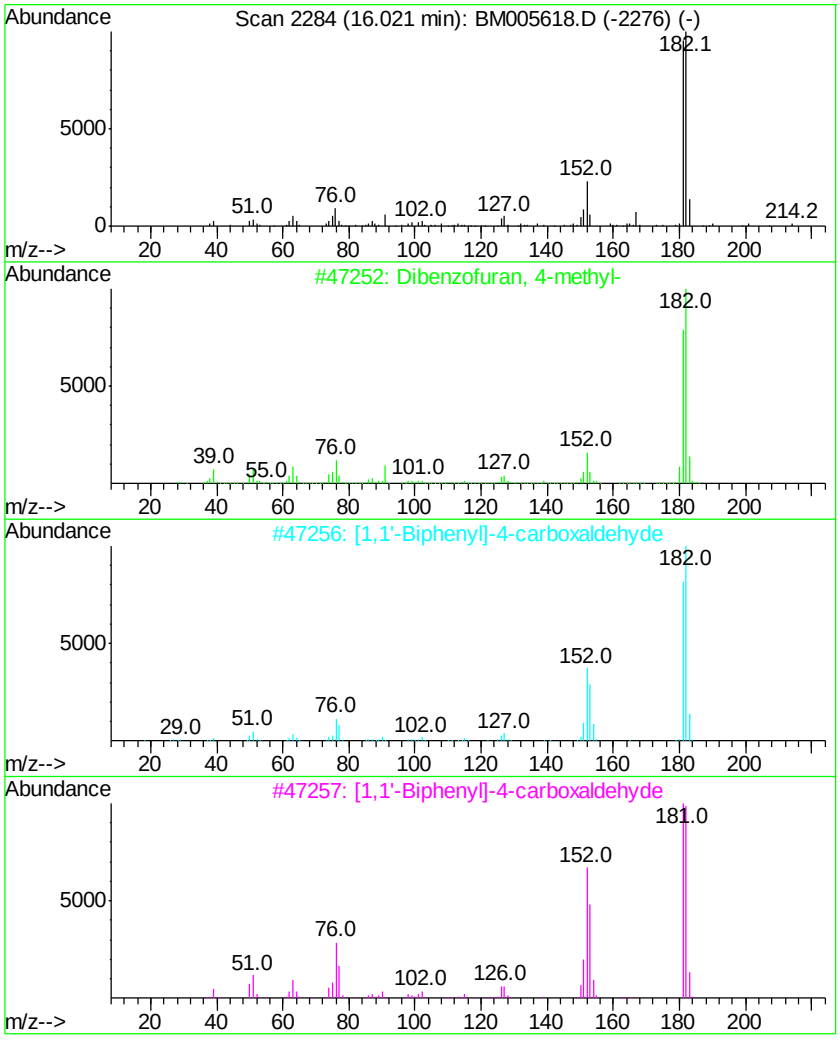
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

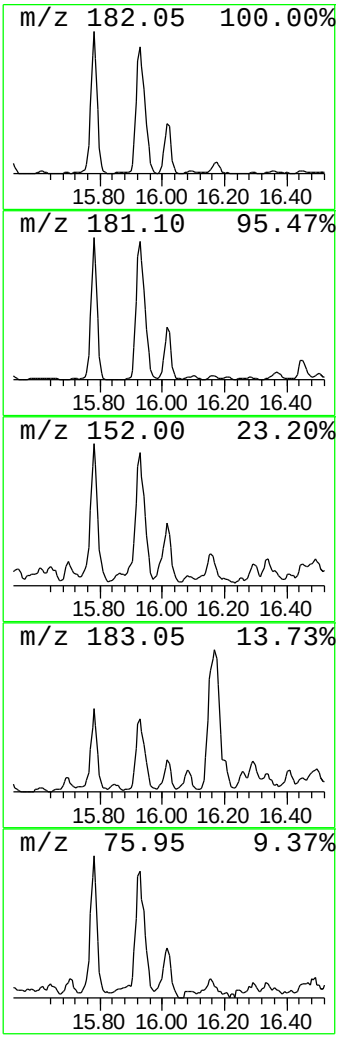
****

Peak Number 43 Dibenzofuran, 4-methyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	4.99 ng/ul	359534	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	80
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78





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Acq On : 23 May 2016 20:05
Operator : UM/SJ
Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

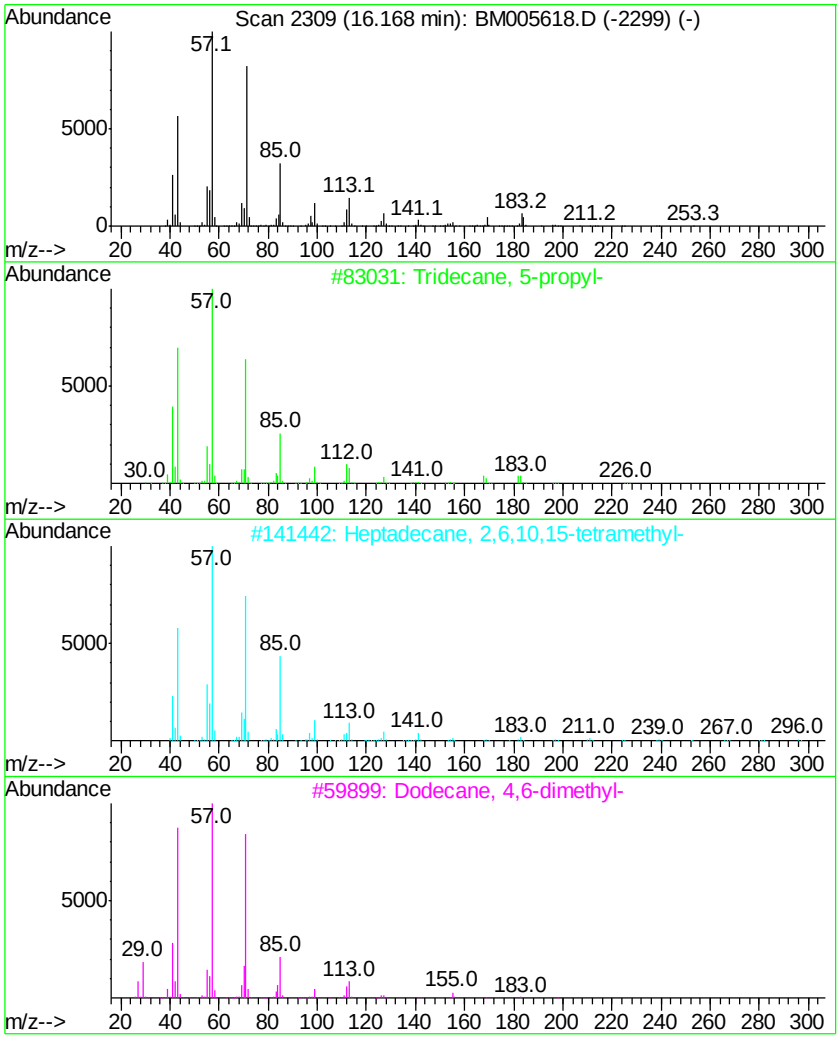
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

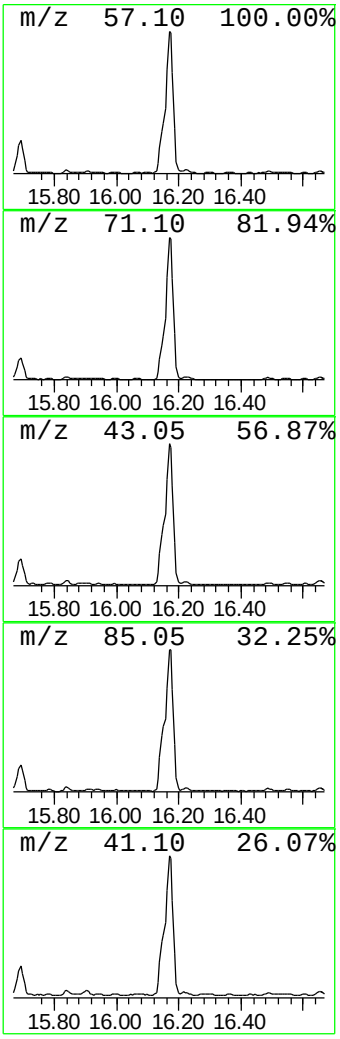
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 44 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.17	52.67 ng/ul	3791530	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	86
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
3	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	83
4	Decane, 2-methyl-	156	C11H24	006975-98-0	80
5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80





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Acq On : 23 May 2016 20:05
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Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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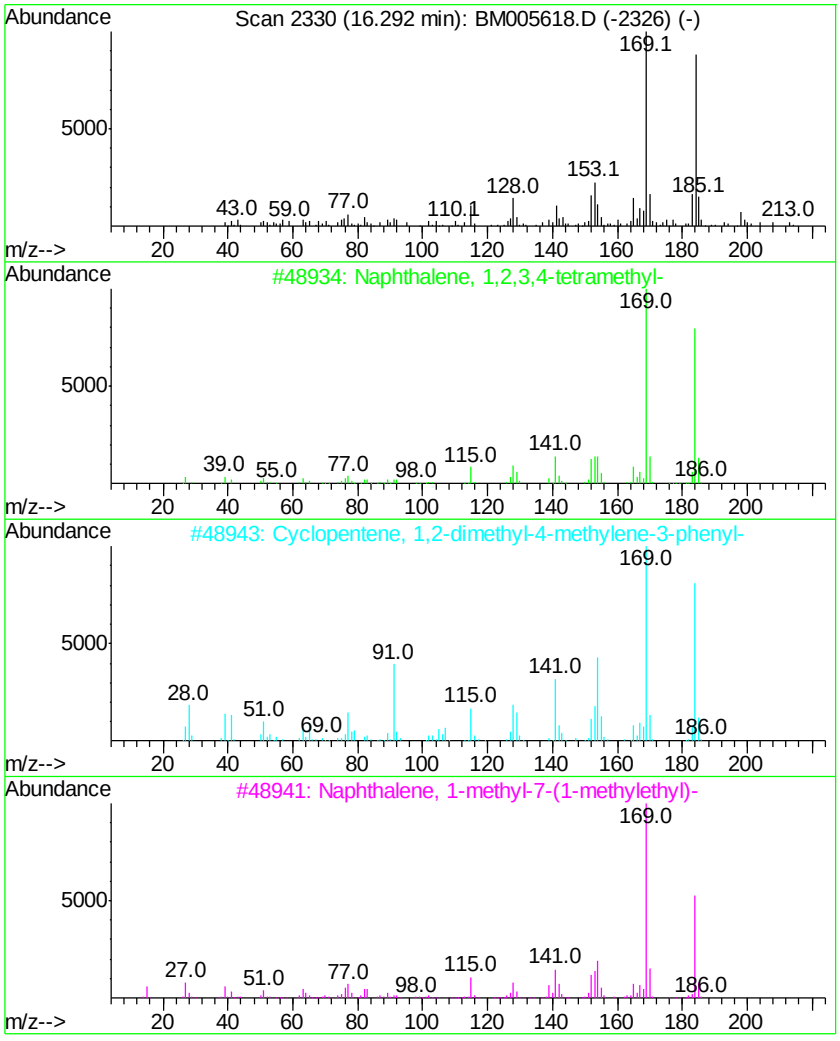
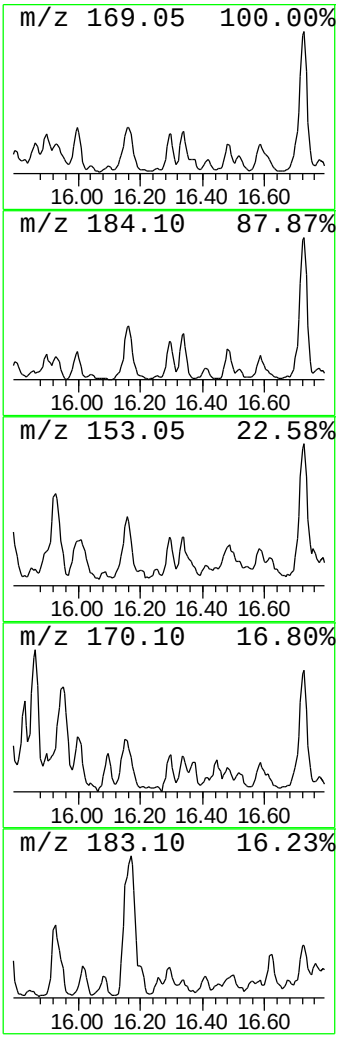
Peak Number 45 Naphthalene, 1,2,3,4-tetram... Concentration Rank 73

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.29	2.27 ng/ul	163164	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	94
2	Cyclopentene, 1,2-dimethyl-4-met...	184	C14H16	1000152-22-4	94
3	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	87
4	1-Acenaphthylenol, 1,2-dihydro-1...	184	C13H12O	041002-74-8	72
5	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	70





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Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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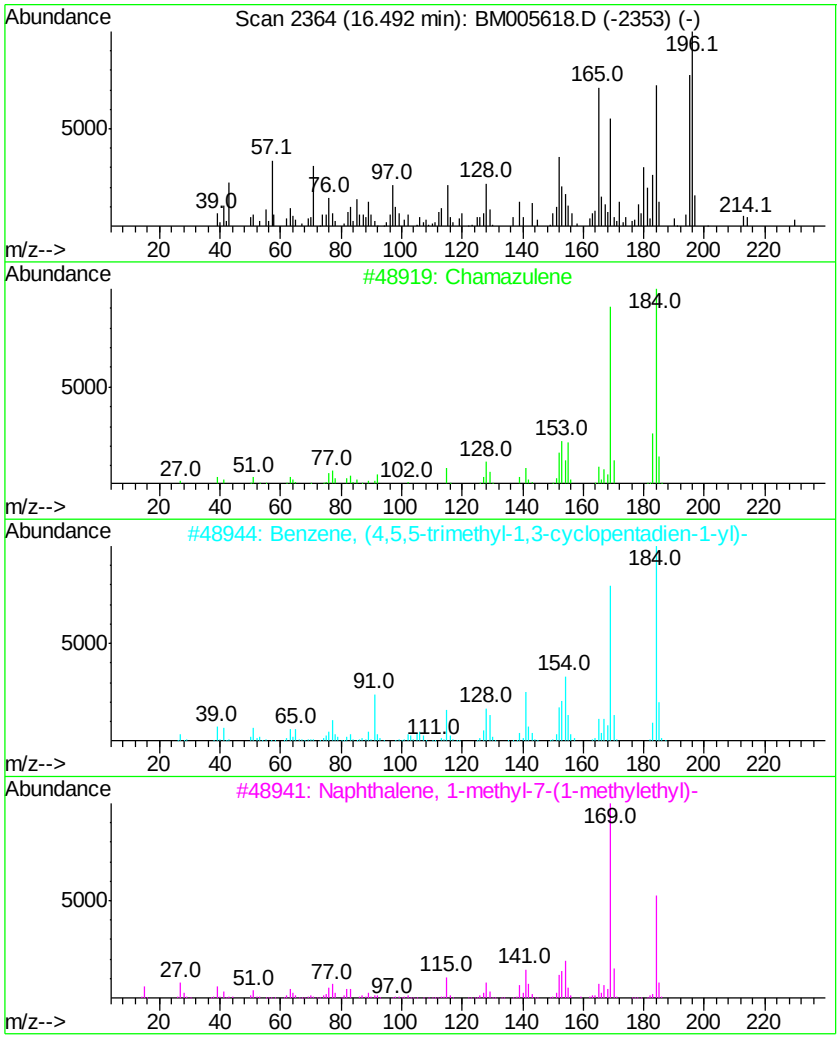
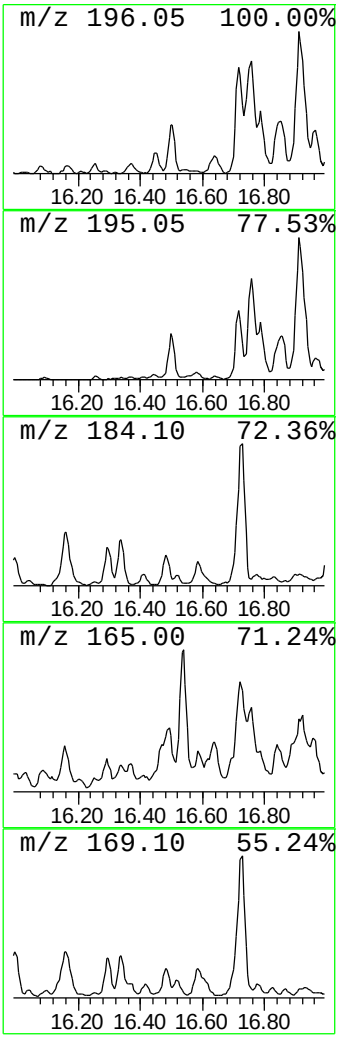
Peak Number 46 Chamazulene Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	4.22 ng/ul	303799	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chamazulene	184	C14H16	000529-05-5	64
2	Benzene, (4,5,5-trimethyl-1,3-cy...	184	C14H16	033930-85-7	58
3	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	50
4	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	49
5	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	49





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Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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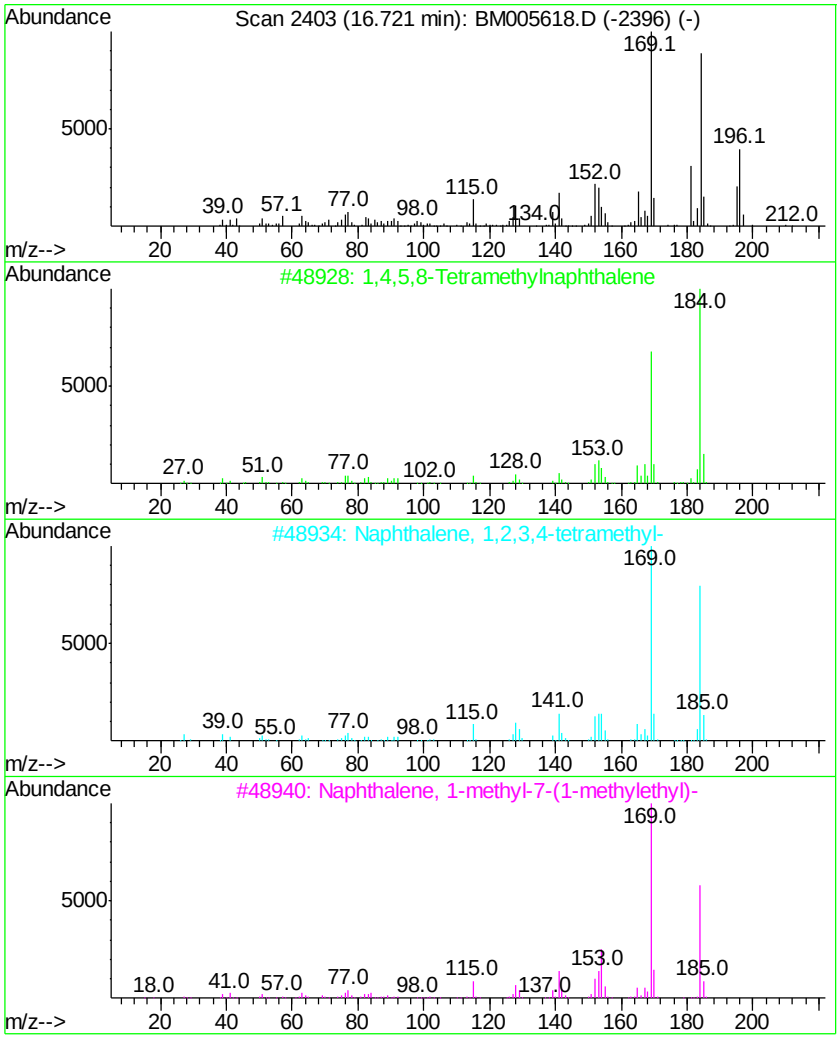
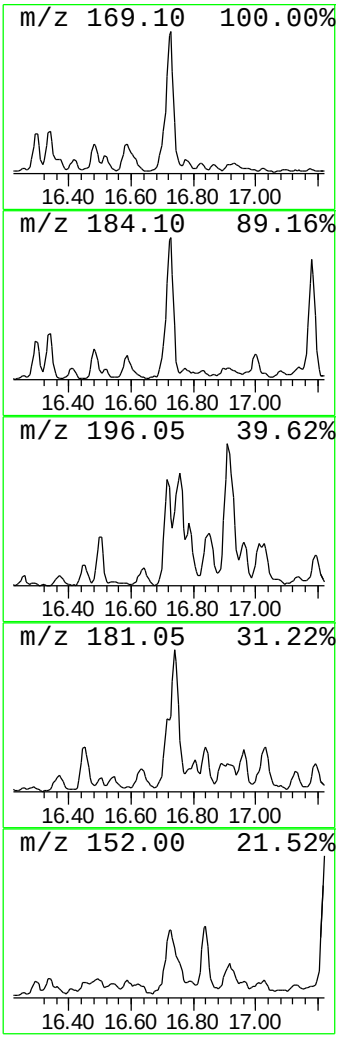
Peak Number 47 1,4,5,8-Tetramethylnaphthalene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.72	15.62 ng/ul	1123990	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	89
2	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	86
3	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	78
4	3,5-Dimethoxy-4-hydroxybenzyl al...	184	C9H12O4	000530-56-3	60
5	Cyclopentene, 1,2-dimethyl-4-met...	184	C14H16	1000152-22-4	58





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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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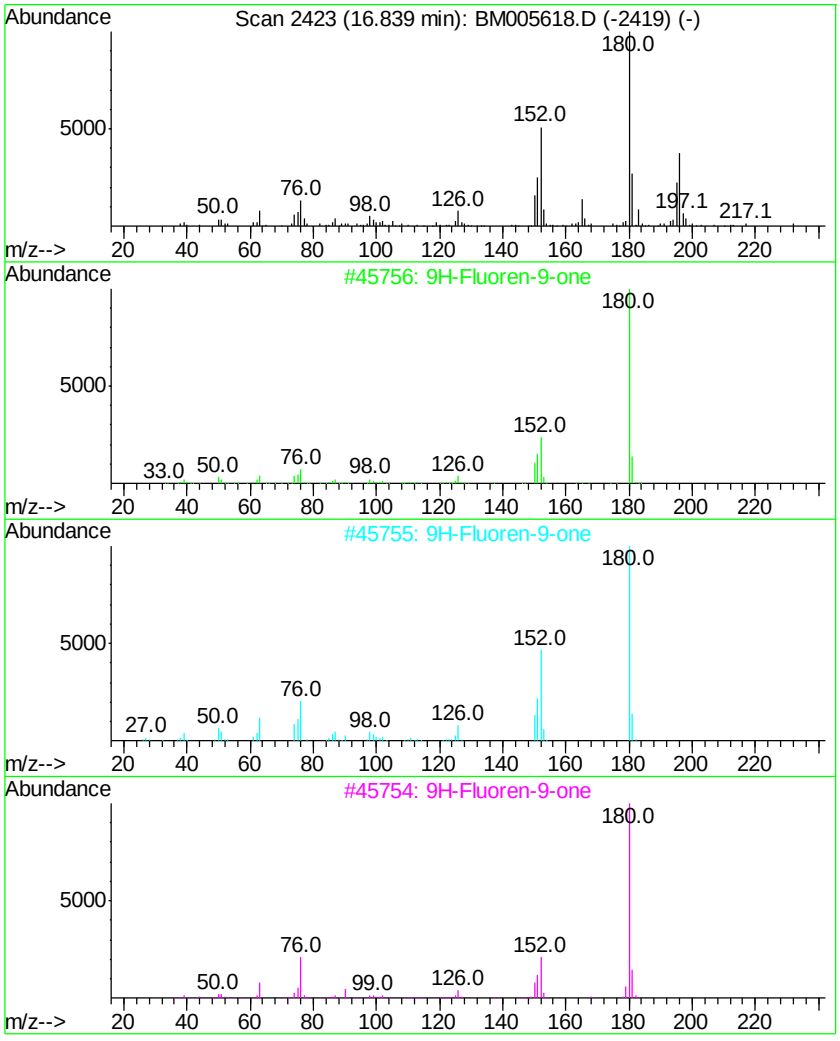
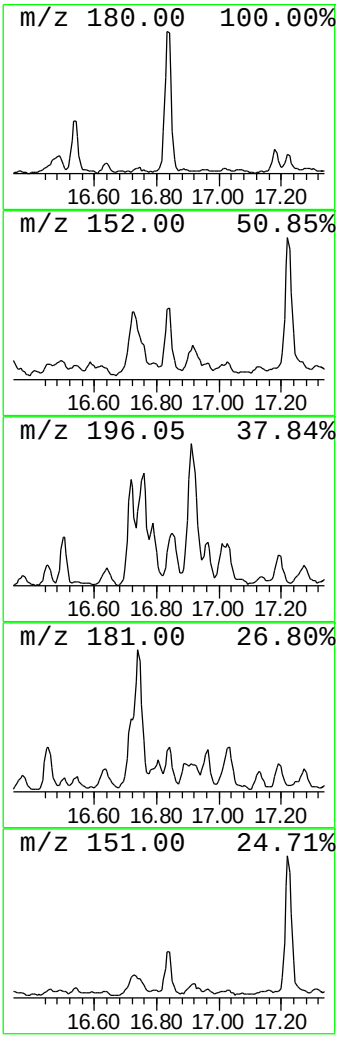
Peak Number 48 9H-Fluoren-9-one Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.84	3.00 ng/ul	216197	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	86
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
5	Diphenic anhydride	224	C14H8O3	006050-13-1	53





Library Search Compound Report

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Data File : BM005618.D
Acq On : 23 May 2016 20:05
Operator : UM/SJ
Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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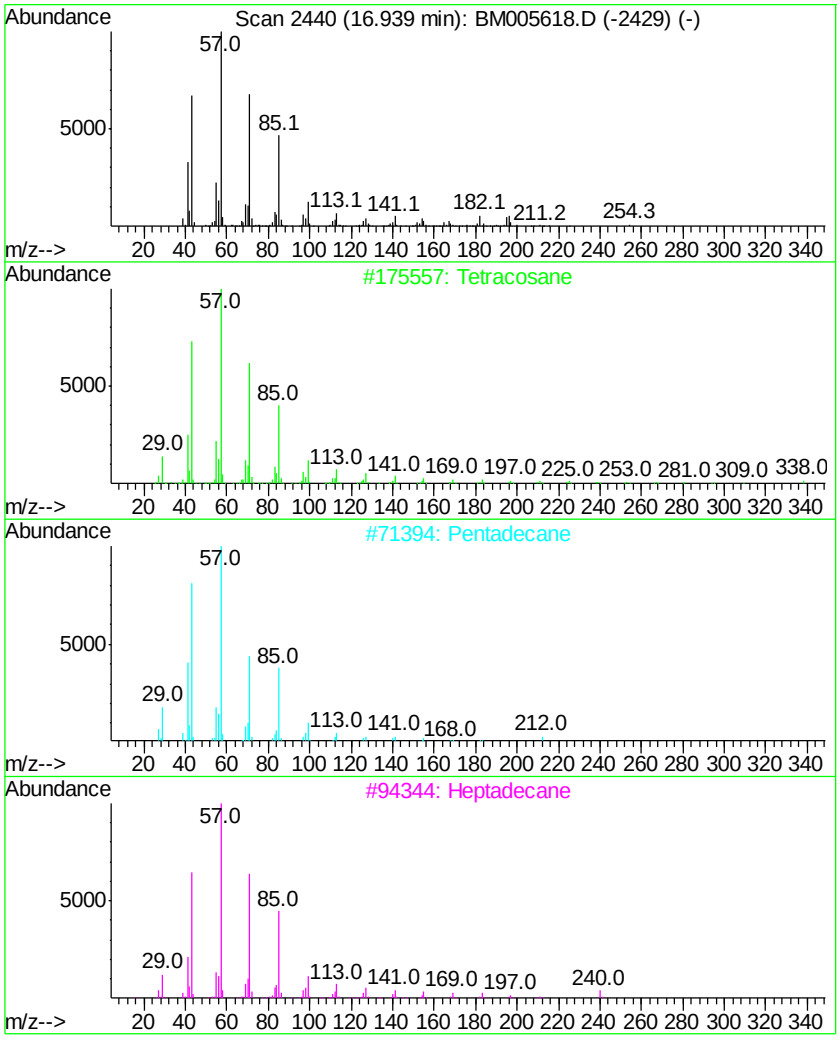
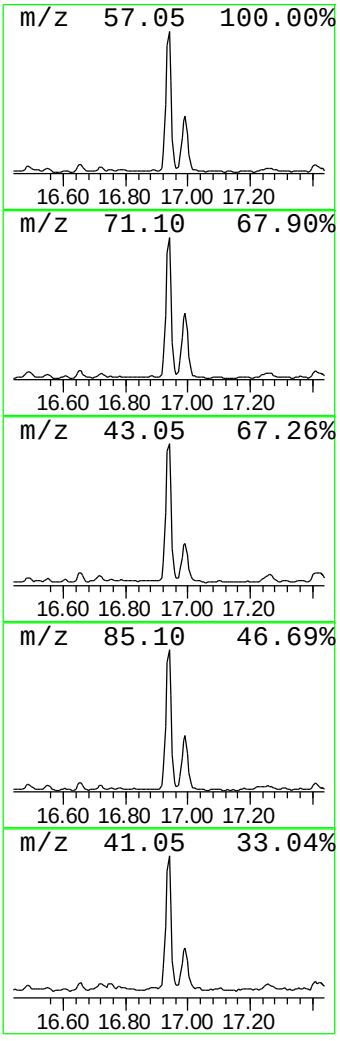
Peak Number 49 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.94	16.16 ng/ul	1163330	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	74
2	Pentadecane	212	C15H32	000629-62-9	74
3	Heptadecane	240	C17H36	000629-78-7	74
4	Heptacosane	380	C27H56	000593-49-7	74
5	Tetradecane	198	C14H30	000629-59-4	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052316\
Data File : BM005618.D
Acq On : 23 May 2016 20:05
Operator : UM/SJ
Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

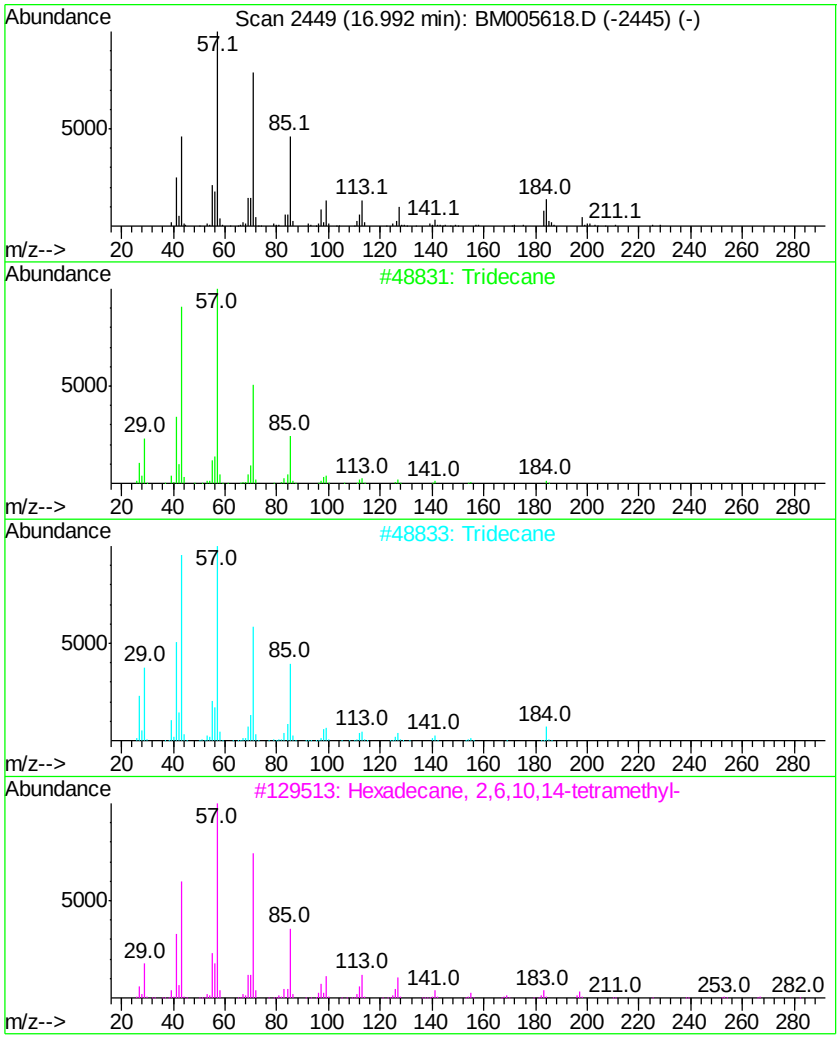
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

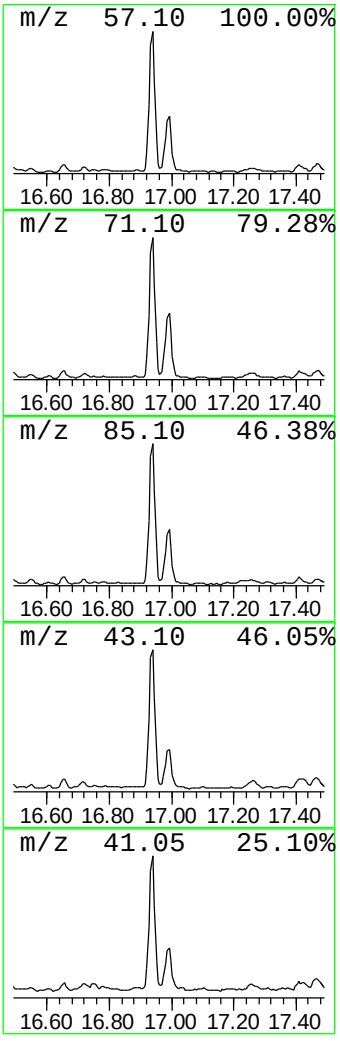
****

Peak Number 50 (DEL) Alkane: Straight-Chai... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.99	3.71 ng/ul	267045	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	90
2	Tridecane	184	C13H28	000629-50-5	87
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	87
4	Tetradecane	198	C14H30	000629-59-4	81
5	Hexadecane	226	C16H34	000544-76-3	80





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Acq On : 23 May 2016 20:05
Operator : UM/SJ
Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

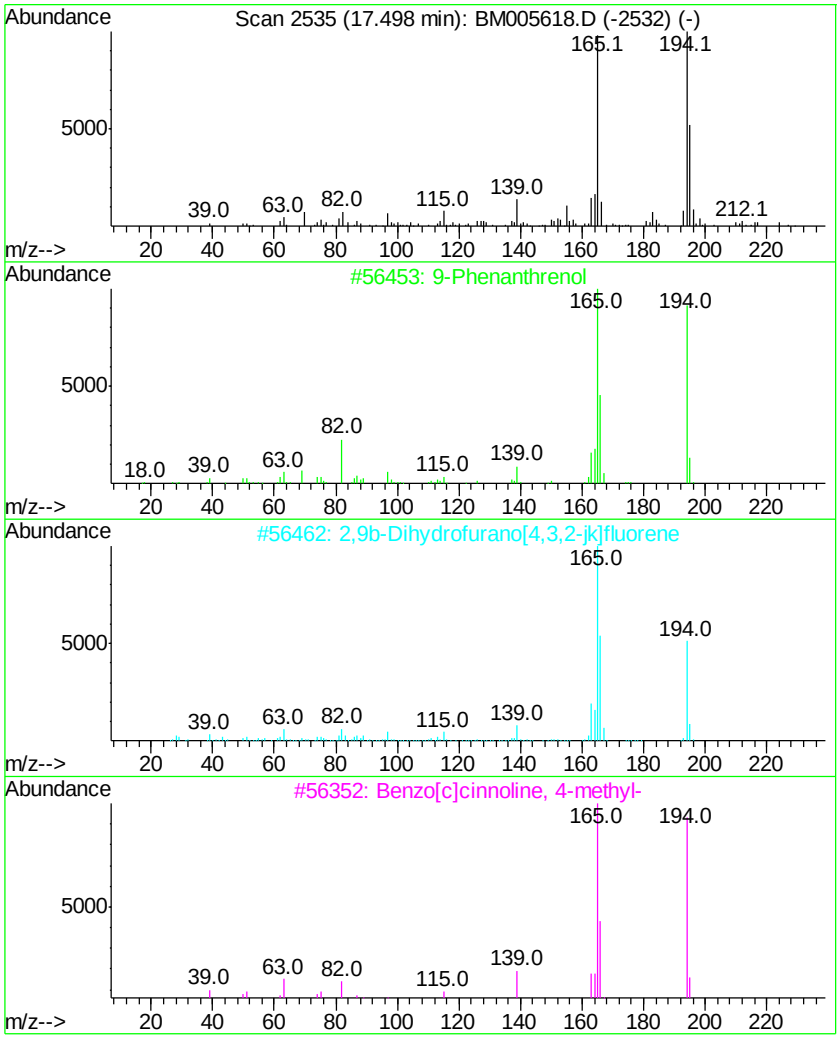
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

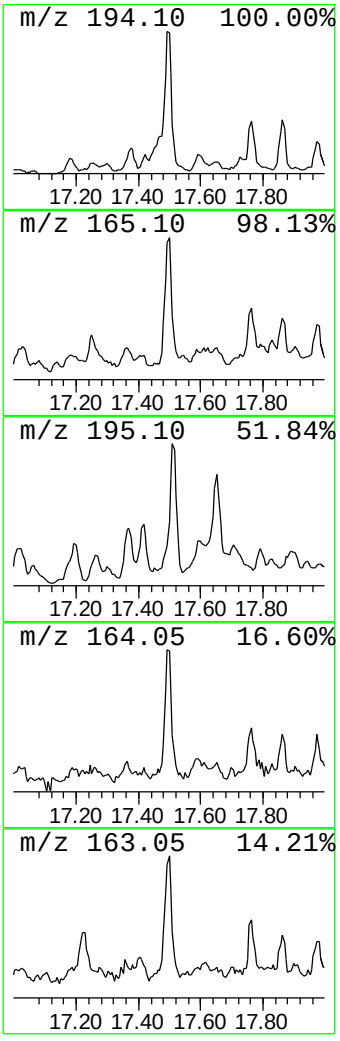
****

Peak Number 51 9-Phenanthrenol Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.50	2.88 ng/ul	207342	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Phenanthrenol	194	C14H10O	000484-17-3	68
2	2,9b-Dihydrofurano[4,3,2-jk]fluo...	194	C14H10O	204396-15-6	64
3	Benzo[c]cinnoline, 4-methyl-	194	C13H10N2	019174-78-8	64
4	4-Phenanthrenol	194	C14H10O	007651-86-7	64
5	Anthrone	194	C14H10O	000090-44-8	59





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Data File : BM005618.D
Acq On : 23 May 2016 20:05
Operator : UM/SJ
Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

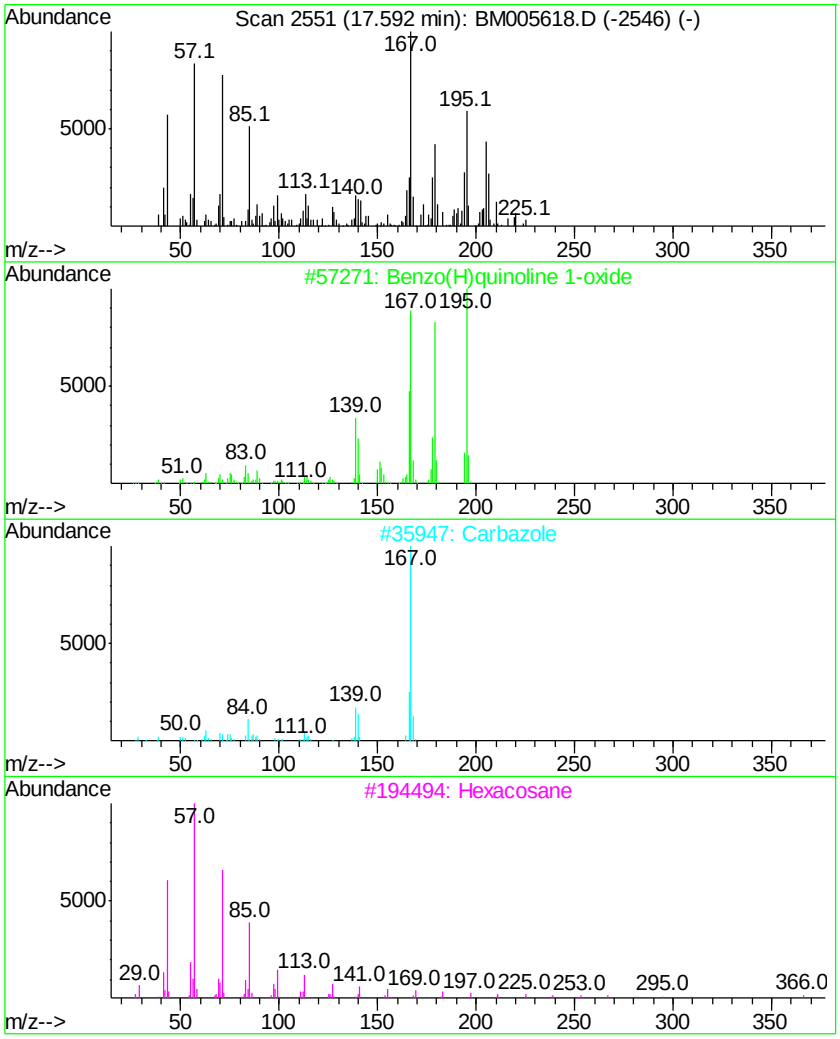
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

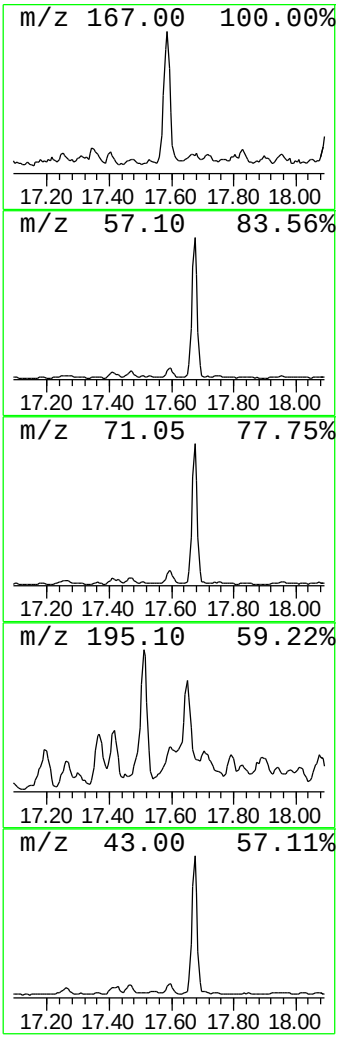
****

Peak Number 52 unknown-04 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.59	5.04 ng/ul	362561	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(H)quinoline 1-oxide	195	C13H9NO	017104-70-0	30
2	Carbazole	167	C12H9N	000086-74-8	25
3	Hexacosane	366	C26H54	000630-01-3	18
4	Decane, 2,3,7-trimethyl-	184	C13H28	062238-13-5	18
5	Dibenz[b,f][1,4]oxazepine	195	C13H9NO	000257-07-8	15





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Data File : BM005618.D
Acq On : 23 May 2016 20:05
Operator : UM/SJ
Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

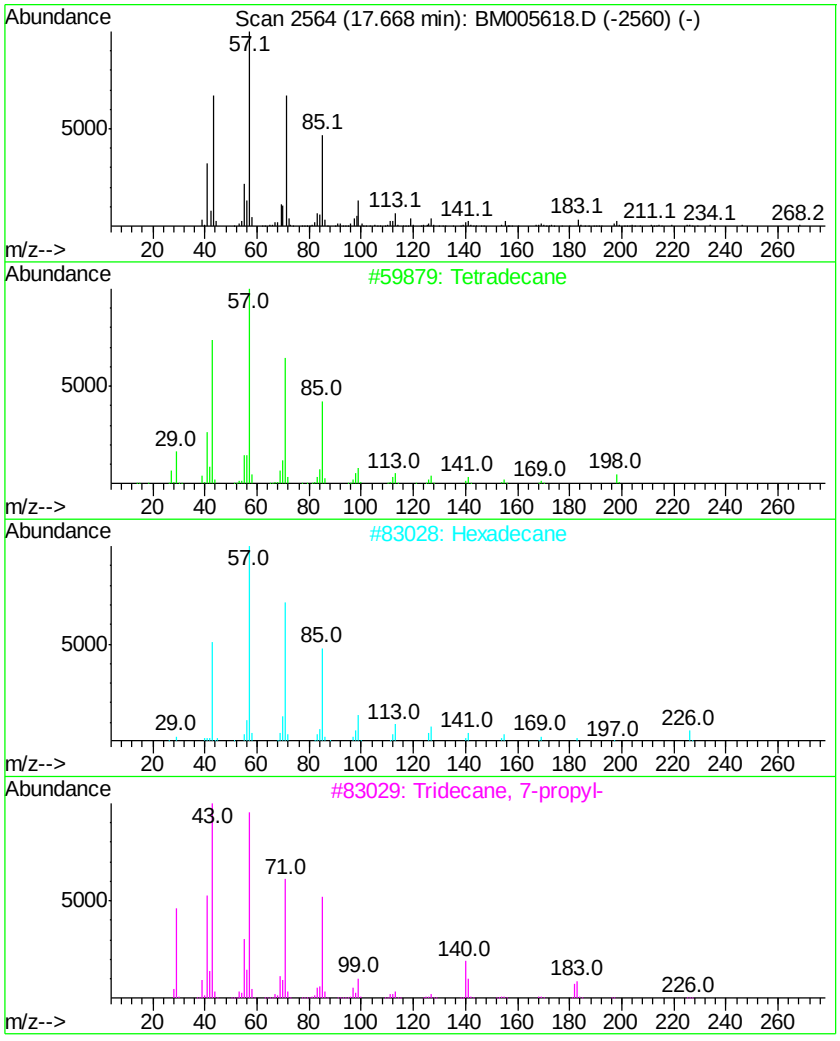
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

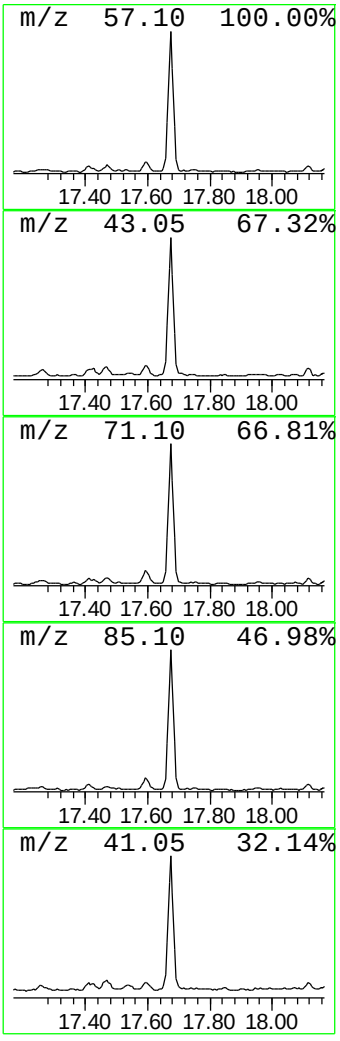
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 53 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.67	13.72 ng/ul	987576	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	95
2	Hexadecane	226	C16H34	000544-76-3	93
3	Tridecane, 7-propyl-	226	C16H34	055045-09-5	91
4	Tetradecane	198	C14H30	000629-59-4	91
5	Octacosane	394	C28H58	000630-02-4	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052316\
Data File : BM005618.D
Acq On : 23 May 2016 20:05
Operator : UM/SJ
Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

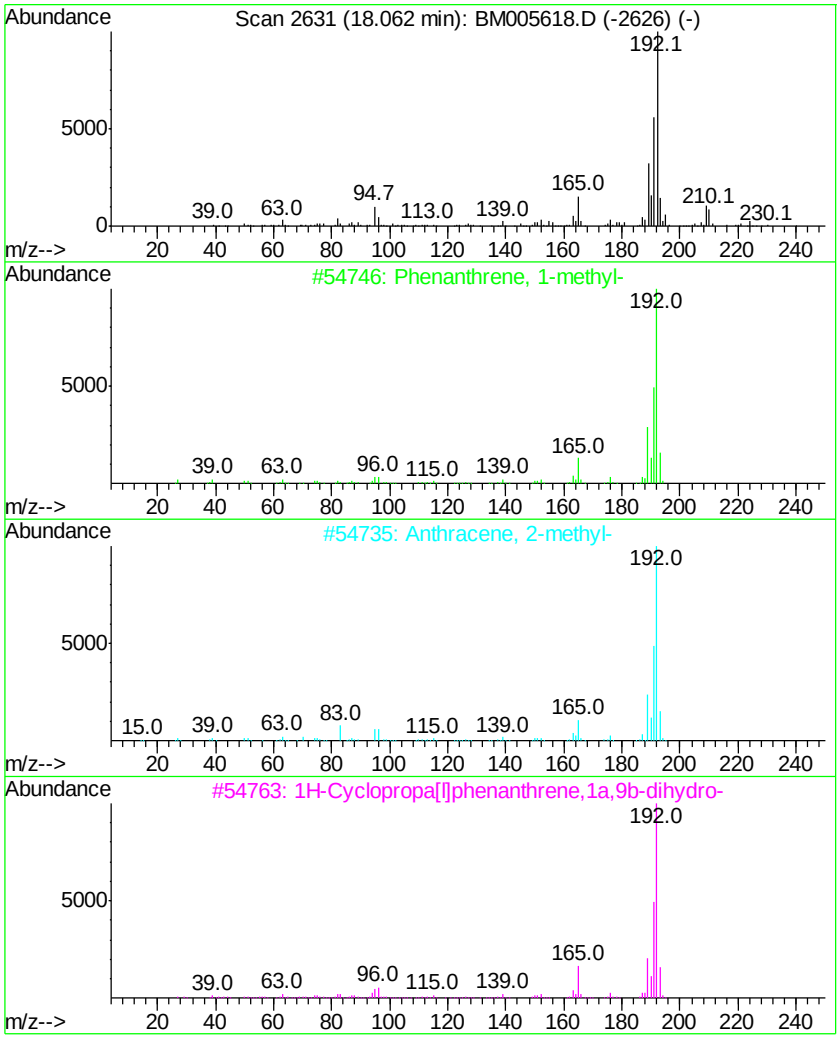
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

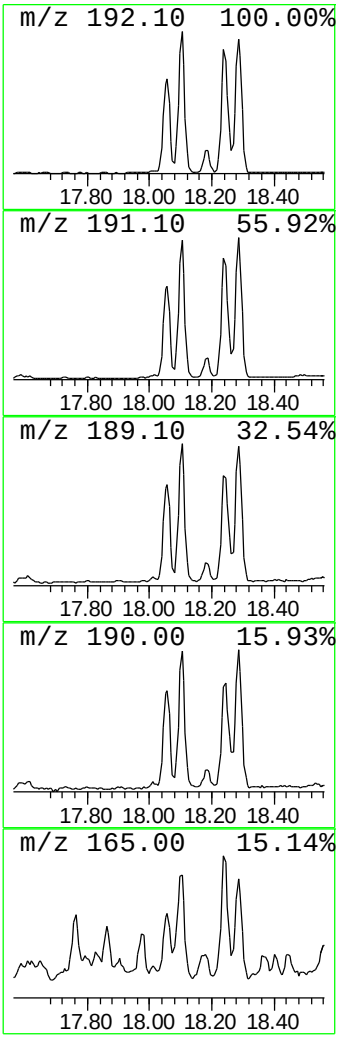
****

Peak Number 54 Phenanthrene, 1-methyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	5.10 ng/ul	366882	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052316\
Data File : BM005618.D
Acq On : 23 May 2016 20:05
Operator : UM/SJ
Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

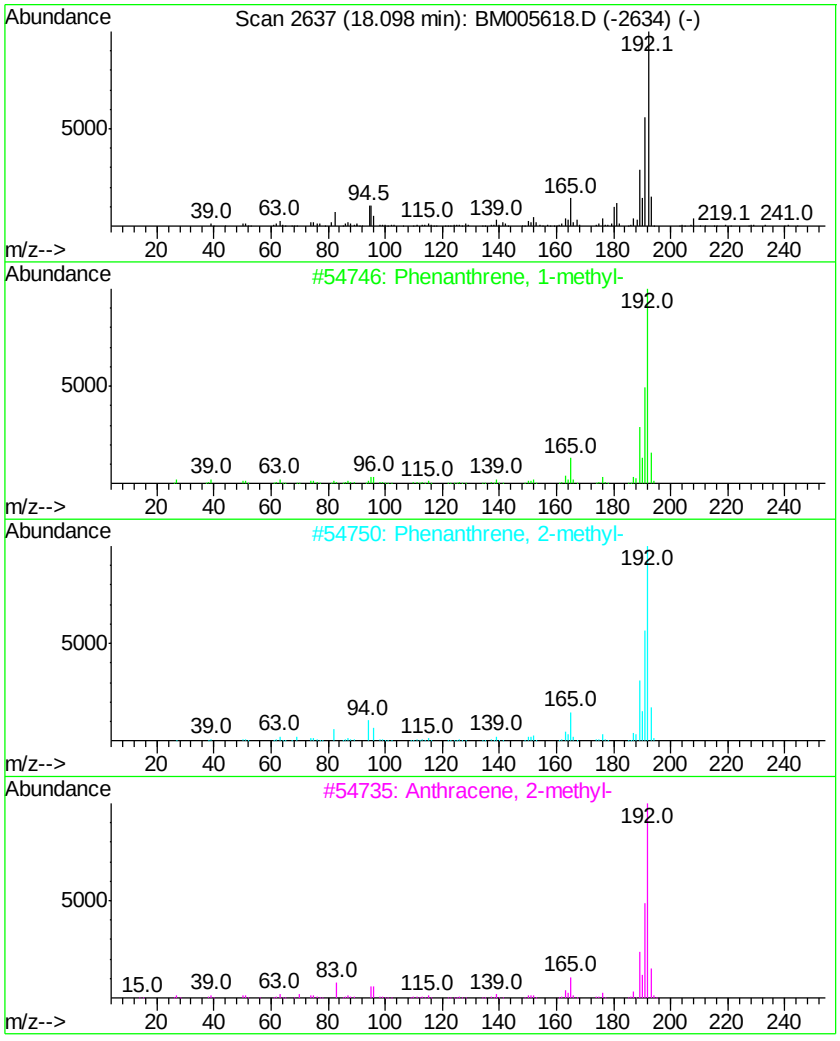
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

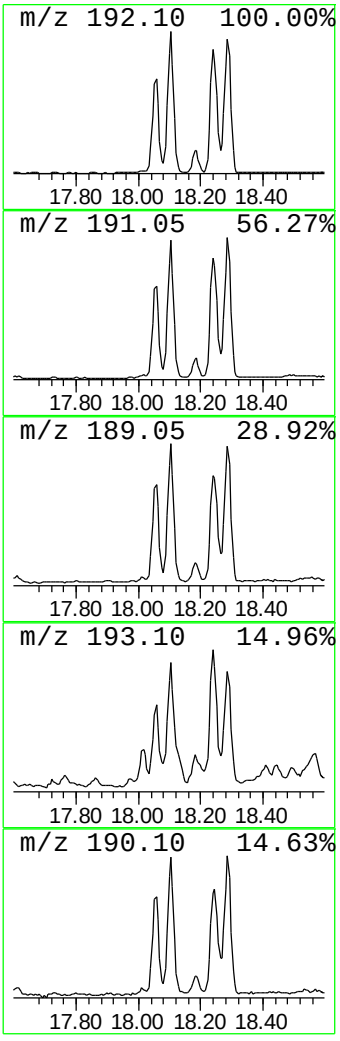
****

Peak Number 55 Phenanthrene, 2-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	9.25 ng/ul	665867	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\HPCHEM1\BNA M\DATA\BM052316\
Data File : BM005618.D
Acq On : 23 May 2016 20:05
Operator : UM/SJ
Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

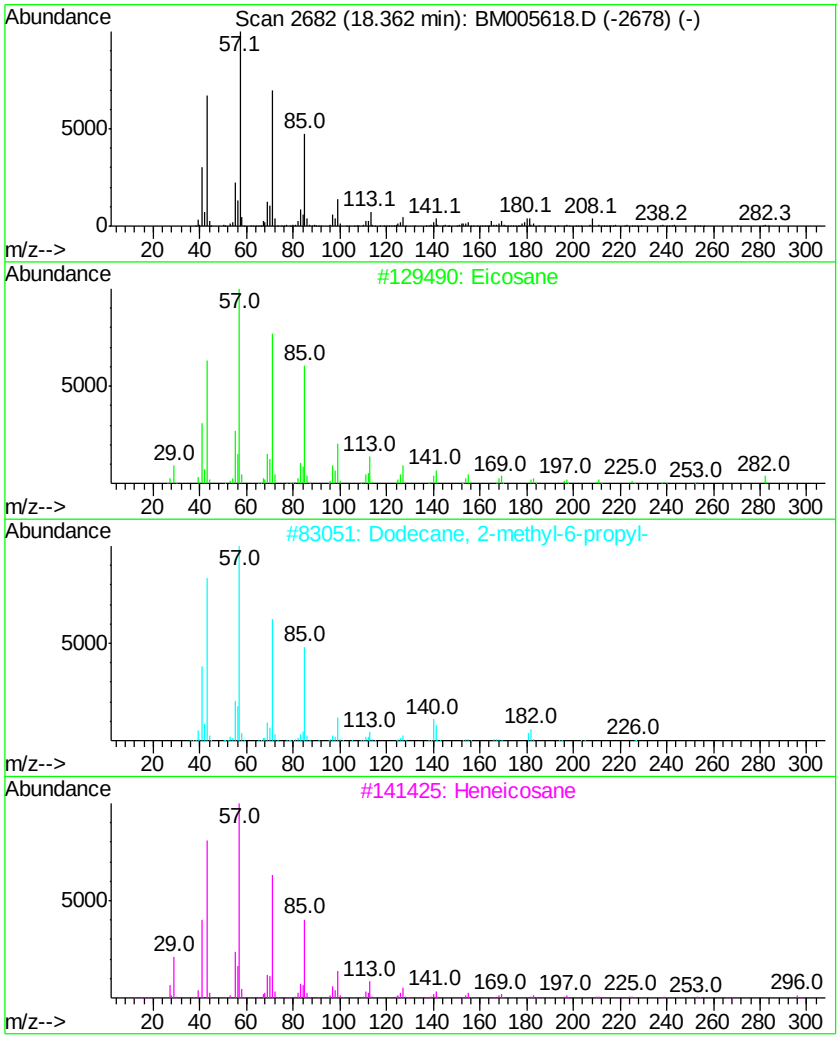
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

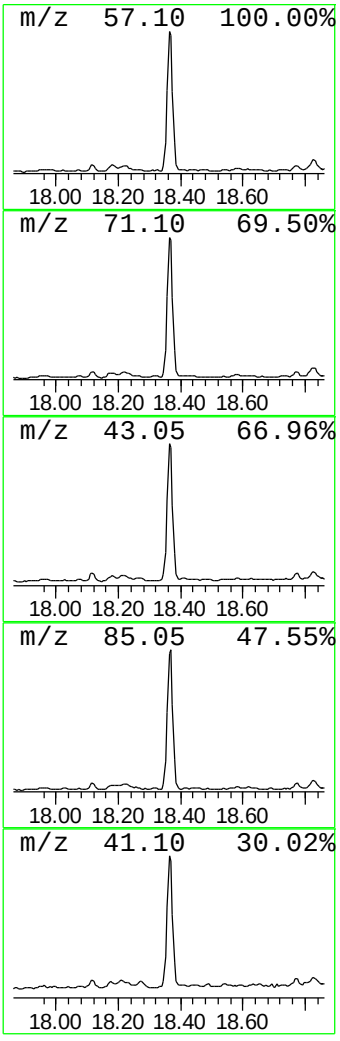
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 59 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.36	11.41 ng/ul	821420	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	95
2	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	91
3	Heneicosane	296	C21H44	000629-94-7	90
4	Heneicosane	296	C21H44	000629-94-7	87
5	Octadecane	254	C18H38	000593-45-3	87





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052316\
Data File : BM005618.D
Acq On : 23 May 2016 20:05
Operator : UM/SJ
Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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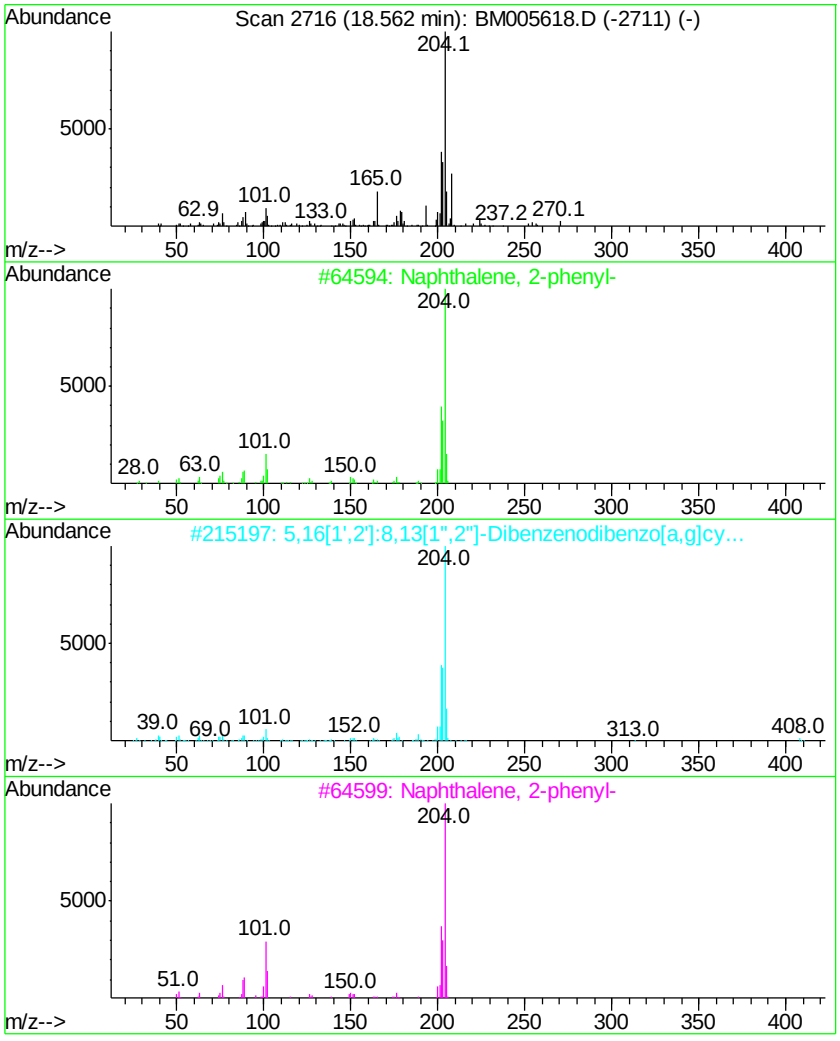
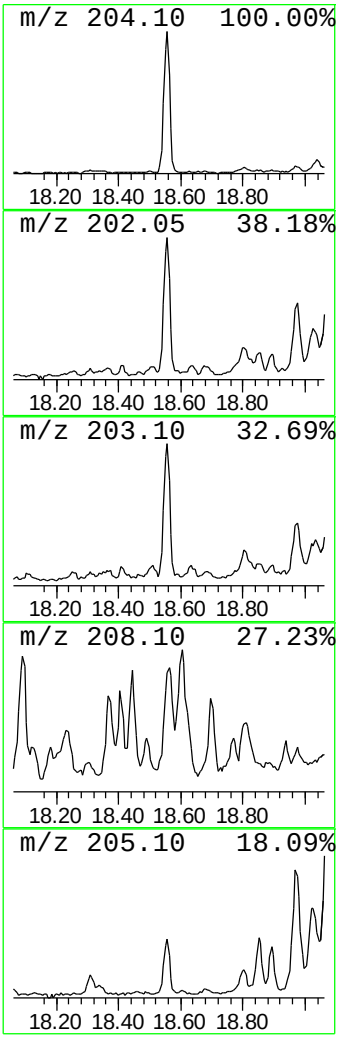
Peak Number 60 Naphthalene, 2-phenyl- Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	2.35 ng/ul	169032	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052316\
Data File : BM005618.D
Acq On : 23 May 2016 20:05
Operator : UM/SJ
Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

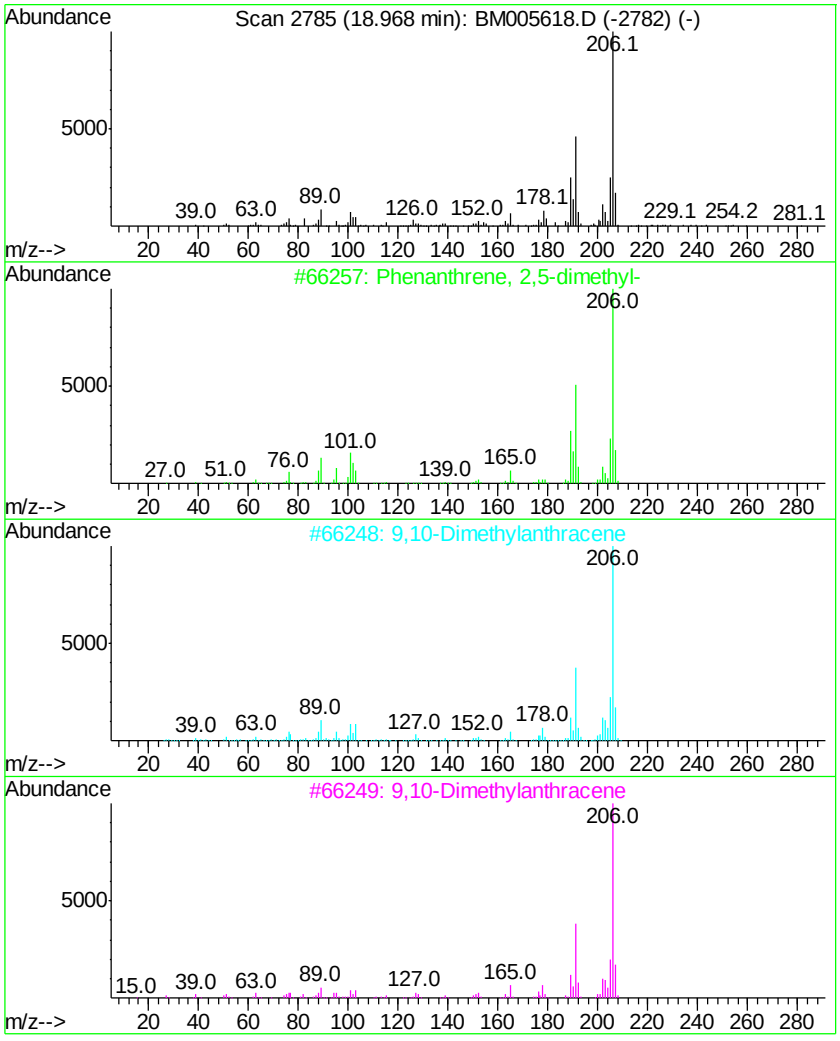
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

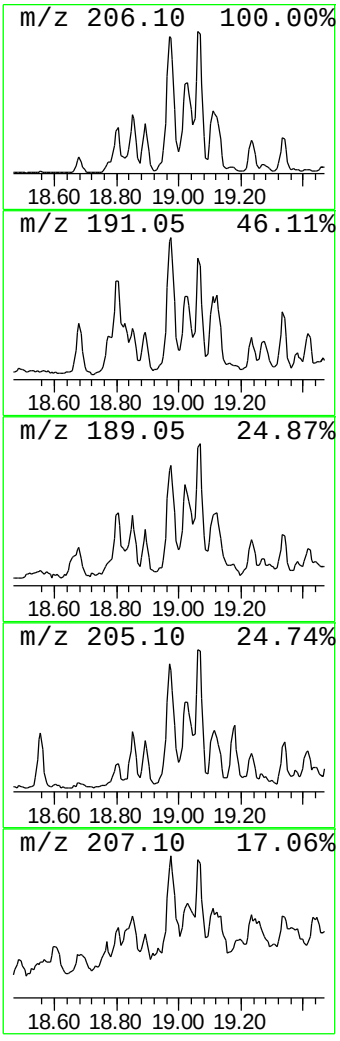
****

Peak Number 61 Phenanthrene, 2,5-dimethyl- Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	3.26 ng/ul	234964	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





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Data File : BM005618.D
Acq On : 23 May 2016 20:05
Operator : UM/SJ
Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

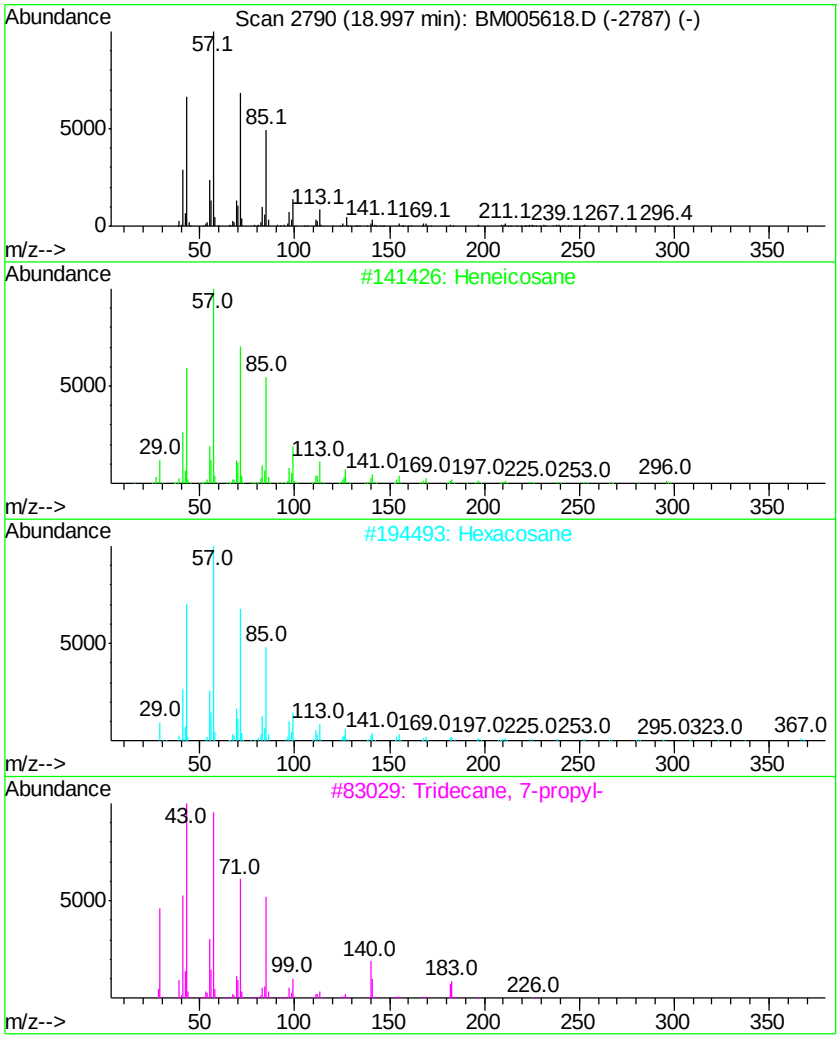
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

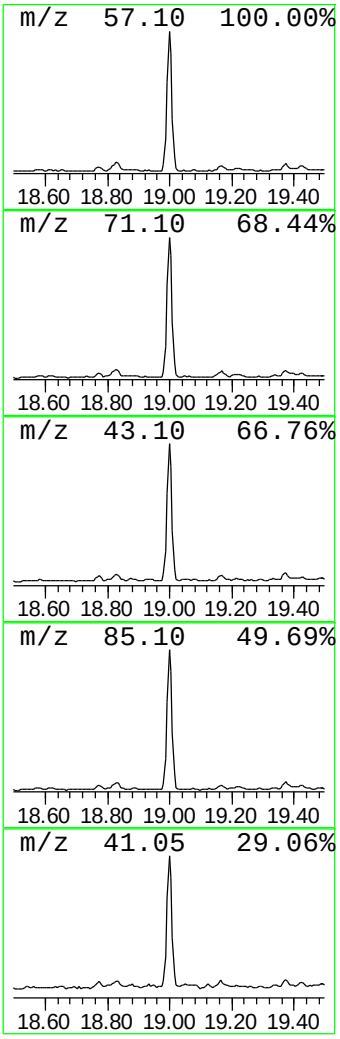
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 62 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.00	14.49 ng/ul	1042720	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Hexacosane	366	C26H54	000630-01-3	91
3	Tridecane, 7-propyl-	226	C16H34	055045-09-5	90
4	Heptadecane	240	C17H36	000629-78-7	87
5	Tridecane, 6-propyl-	226	C16H34	055045-10-8	87





Library Search Compound Report

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Data File : BM005618.D
Acq On : 23 May 2016 20:05
Operator : UM/SJ
Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

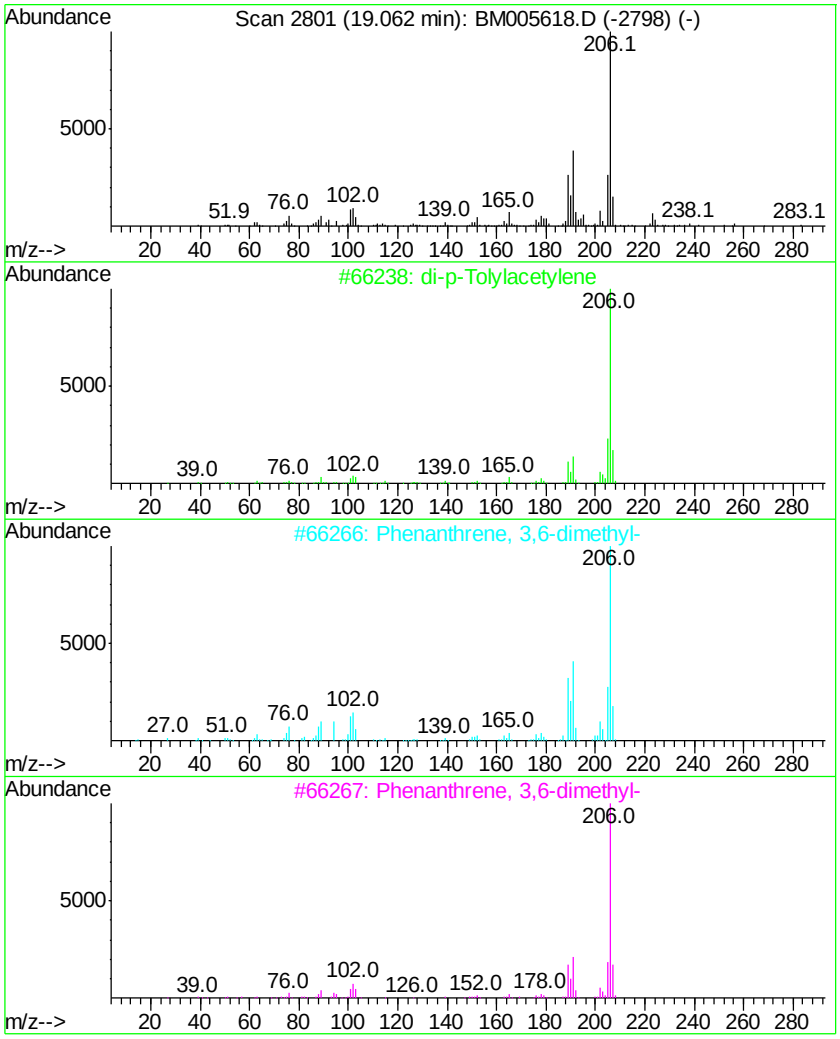
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

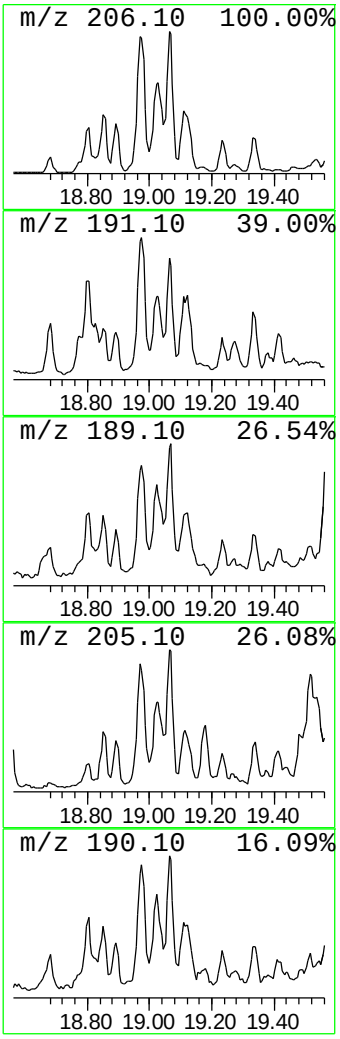
****

Peak Number 63 di-p-Tolylacetylene Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.06	3.53 ng/ul	254053	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91





Data Path : Z:\HPCHEM1\BNA M\DATA\BM052316\
Data File : BM005618.D
Acq On : 23 May 2016 20:05
Operator : UM/SJ
Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

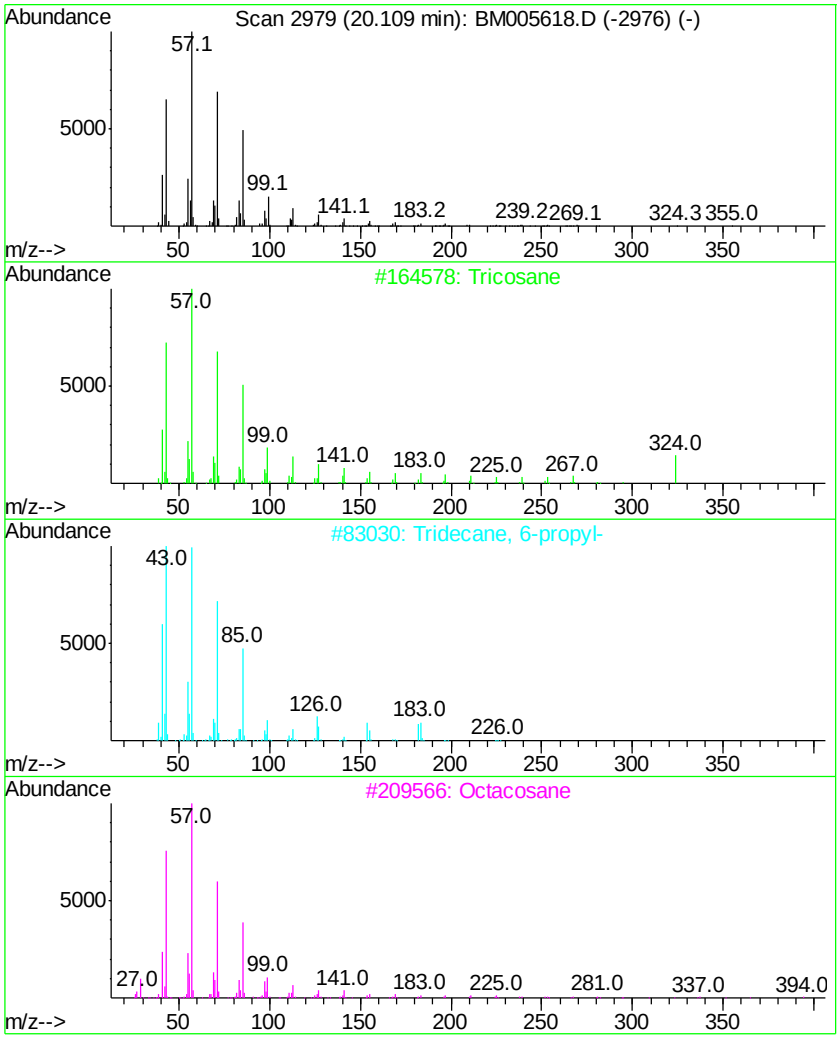
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

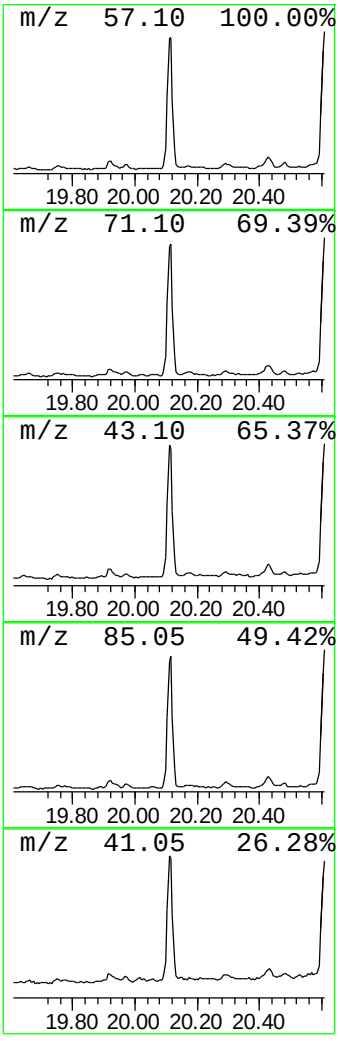
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 68 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.11	10.52 ng/ul	872562	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricosane	324	C23H48	000638-67-5	94
2	Tridecane, 6-propyl-	226	C16H34	055045-10-8	93
3	Octacosane	394	C28H58	000630-02-4	91
4	Heneicosane	296	C21H44	000629-94-7	91
5	Hexacosane	366	C26H54	000630-01-3	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052316\
Data File : BM005618.D
Acq On : 23 May 2016 20:05
Operator : UM/SJ
Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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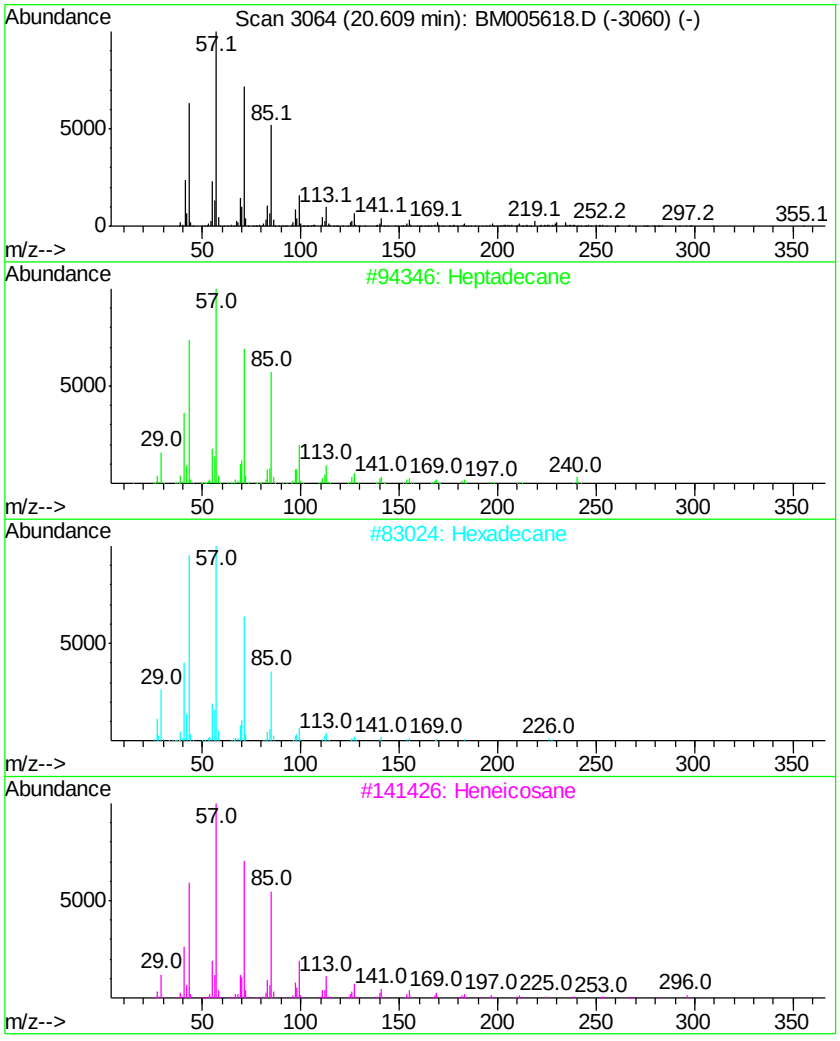
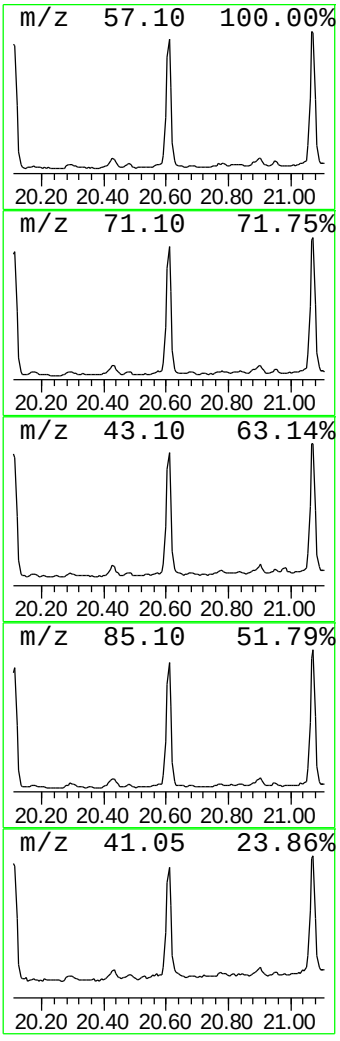
Peak Number 69 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.61	10.00 ng/ul	829724	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	94
2	Hexadecane	226	C16H34	000544-76-3	93
3	Heneicosane	296	C21H44	000629-94-7	91
4	Octadecane	254	C18H38	000593-45-3	91
5	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052316\
Data File : BM005618.D
Acq On : 23 May 2016 20:05
Operator : UM/SJ
Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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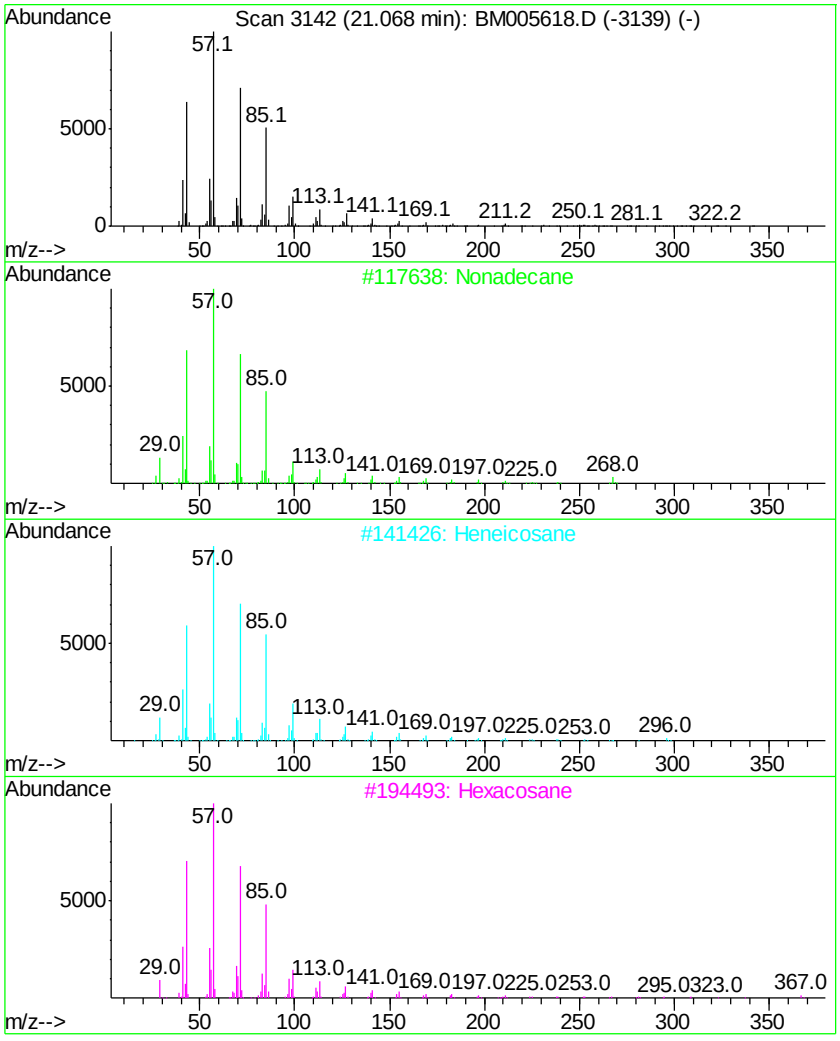
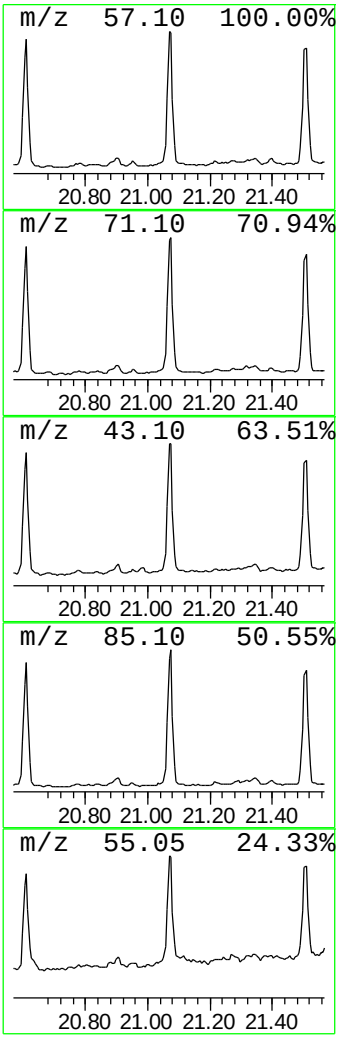
Peak Number 71 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.07	10.07 ng/ul	835455	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	94
2	Heneicosane	296	C21H44	000629-94-7	91
3	Hexacosane	366	C26H54	000630-01-3	91
4	Docosane, 11-butyl-	366	C26H54	013475-76-8	91
5	Heneicosane	296	C21H44	000629-94-7	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052316\
Data File : BM005618.D
Acq On : 23 May 2016 20:05
Operator : UM/SJ
Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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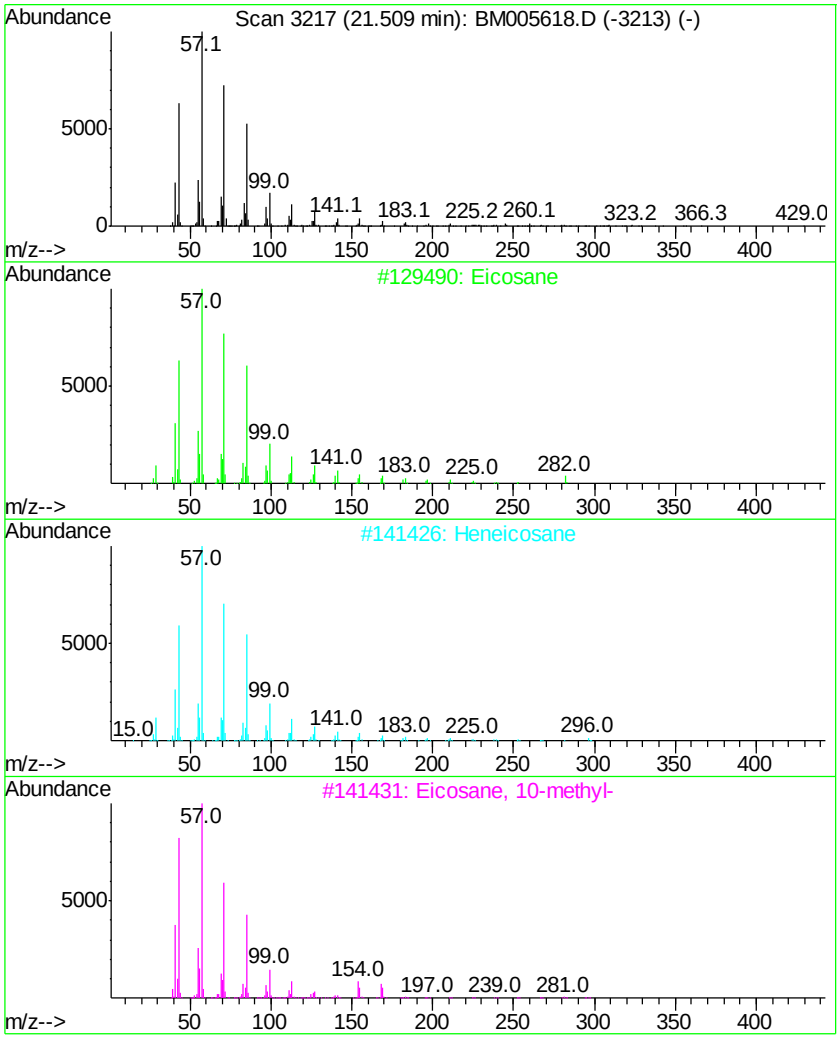
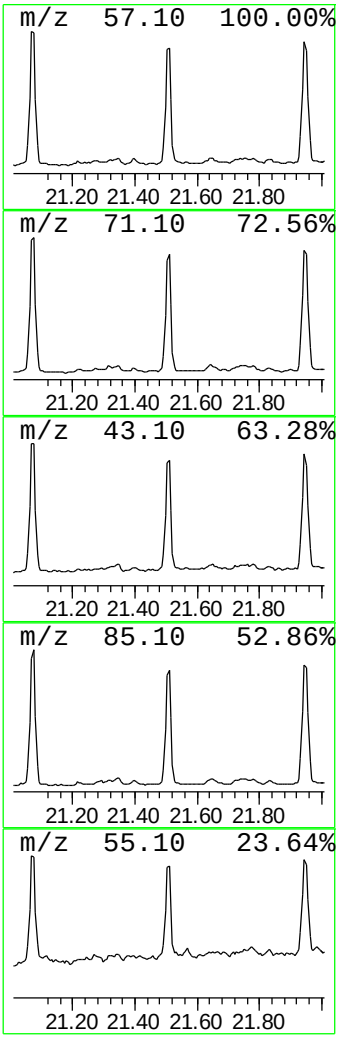
Peak Number 72 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.51	9.45 ng/ul	783689	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	98
2	Heneicosane	296	C21H44	000629-94-7	96
3	Eicosane, 10-methyl-	296	C21H44	054833-23-7	94
4	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	93
5	Eicosane, 3-methyl-	296	C21H44	006418-46-8	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052316\
Data File : BM005618.D
Acq On : 23 May 2016 20:05
Operator : UM/SJ
Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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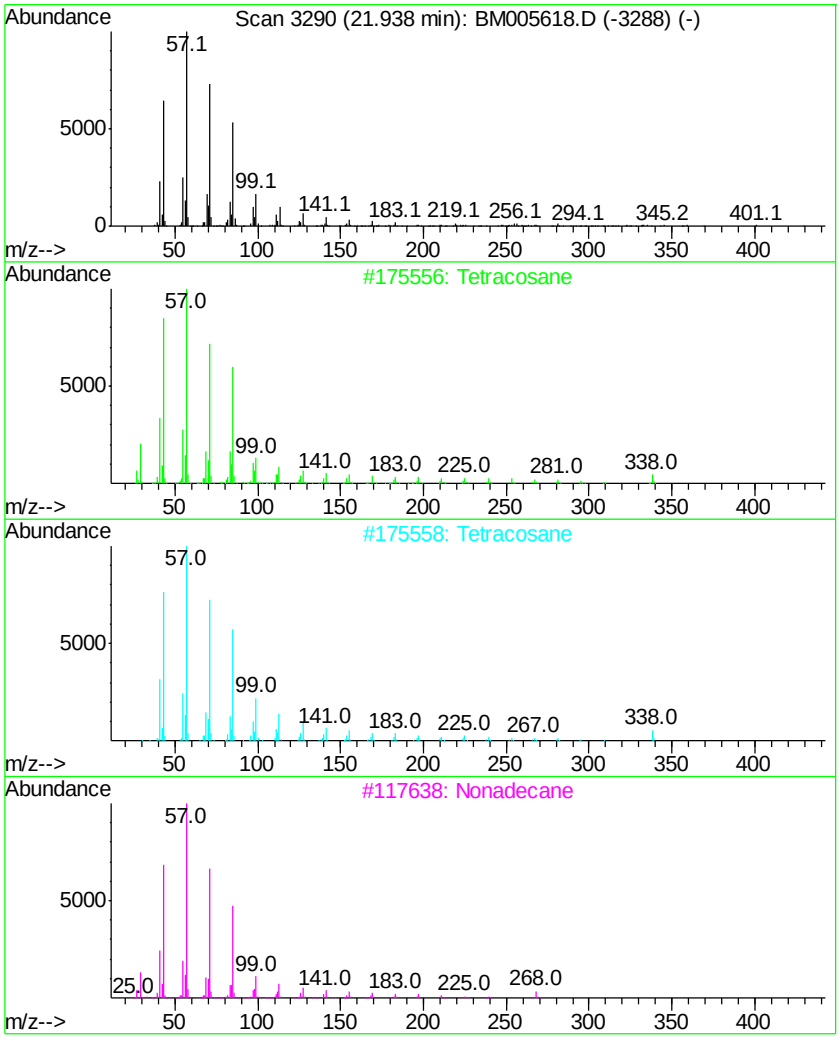
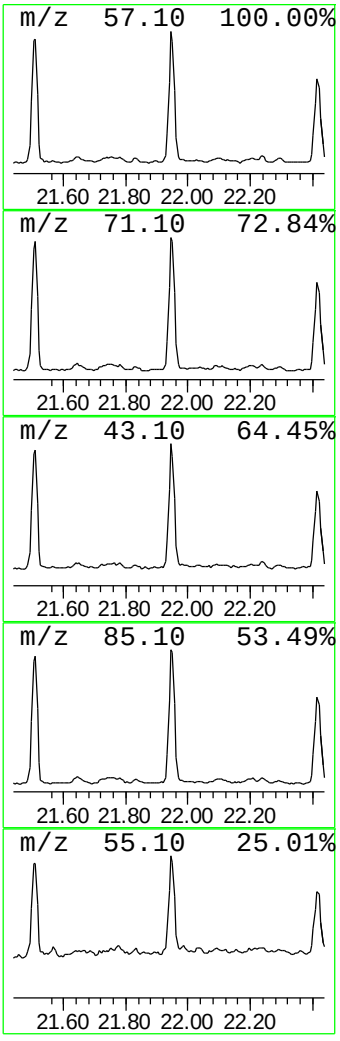
Peak Number 73 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.94	9.19 ng/ul	762201	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	97
2	Tetracosane	338	C24H50	000646-31-1	96
3	Nonadecane	268	C19H40	000629-92-5	94
4	Heneicosane	296	C21H44	000629-94-7	91
5	Tetracosane	338	C24H50	000646-31-1	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052316\
Data File : BM005618.D
Acq On : 23 May 2016 20:05
Operator : UM/SJ
Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

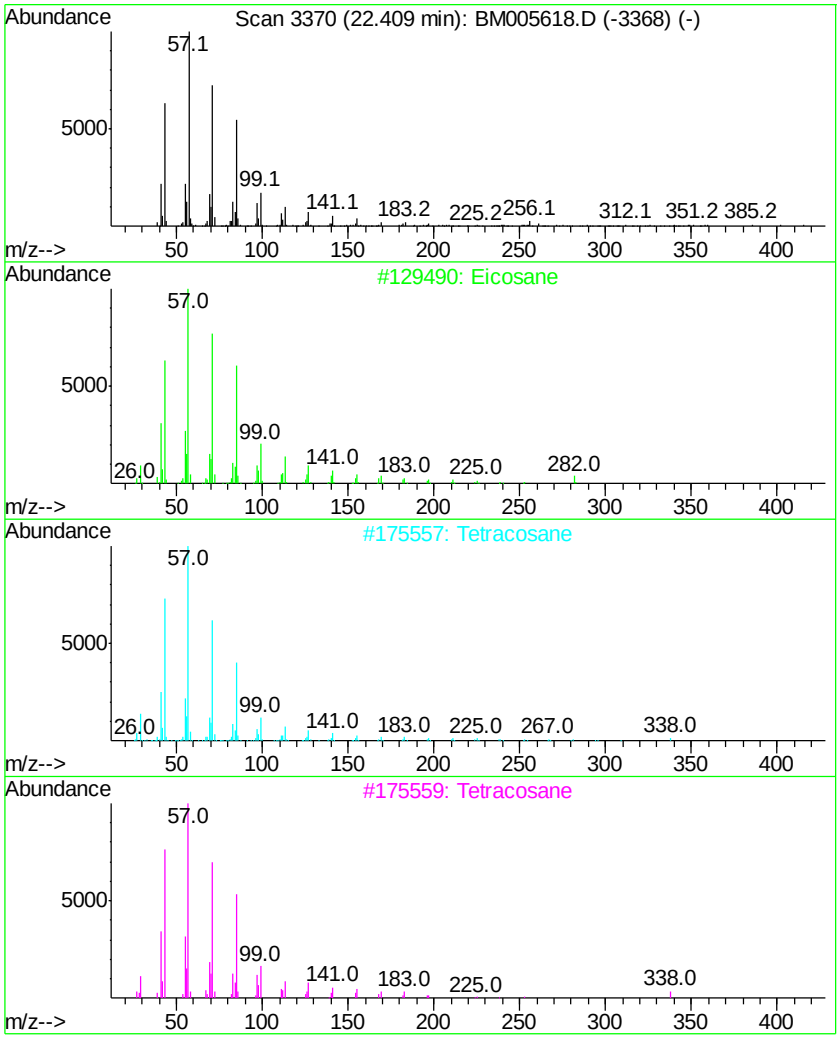
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

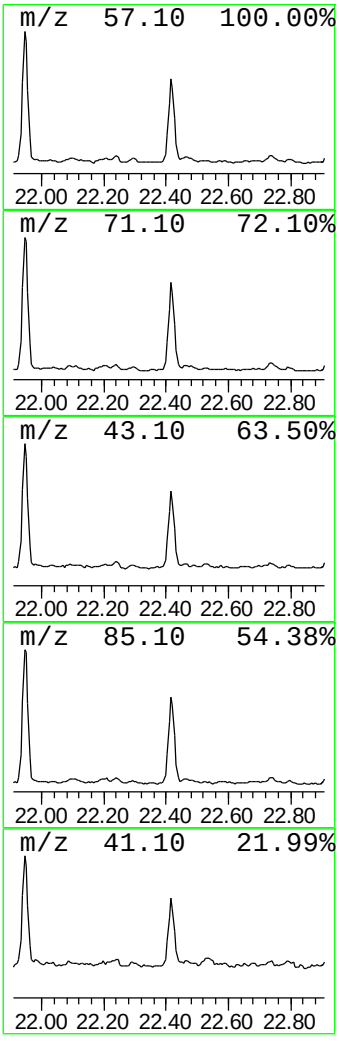
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 74 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.41	6.39 ng/ul	530178	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	94
2	Tetracosane	338	C24H50	000646-31-1	94
3	Tetracosane	338	C24H50	000646-31-1	94
4	Eicosane, 10-methyl-	296	C21H44	054833-23-7	94
5	Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005618.D
Acq On : 23 May 2016 20:05
Operator : UM/SJ
Sample : H2890-09DL 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT5DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Cyc...	3.53	4.0	ng/ul	190481	1	7.80	940872	20.0
(DEL) Alkane: Cyc...	5.01	5.0	ng/ul	233276	1	7.80	940872	20.0
(DEL) Alkane: Str...	5.16	3.5	ng/ul	162918	1	7.80	940872	20.0
Benzene, 1,3-dime...	5.82	15.8	ng/ul	742144	1	7.80	940872	20.0
unknown-01	6.30	4.6	ng/ul	215377	1	7.80	940872	20.0
(DEL) Alkane: Cyc...	6.44	3.4	ng/ul	157397	1	7.80	940872	20.0
(DEL) Alkane: Str...	6.47	4.5	ng/ul	212665	1	7.80	940872	20.0
unknown-02	6.79	3.4	ng/ul	158430	1	7.80	940872	20.0
Benzene, 1-ethyl-...	7.19	5.1	ng/ul	239480	1	7.80	940872	20.0
(DEL) Alkane: Str...	7.42	5.4	ng/ul	253872	1	7.80	940872	20.0
Benzene, 1,2,3-tr...	7.45	10.3	ng/ul	485577	1	7.80	940872	20.0
Benzene, 1,2,4-tr...	7.92	7.3	ng/ul	343027	1	7.80	940872	20.0
Tetracyclo[3.3.1....	8.45	5.1	ng/ul	239015	1	7.80	940872	20.0
Benzene, 4-ethyl-...	8.90	3.6	ng/ul	168339	1	7.80	940872	20.0
(DEL) Alkane: Str...	9.02	10.6	ng/ul	496170	1	7.80	940872	20.0
unknown-03	10.01	5.9	ng/ul	262742	2	10.59	887876	20.0
(DEL) Alkane: Str...	10.75	5.9	ng/ul	262352	2	10.59	887876	20.0
(DEL) Alkane: Str...	11.50	4.6	ng/ul	203891	2	10.59	887876	20.0
(DEL) Alkane: Str...	11.62	13.2	ng/ul	587566	2	10.59	887876	20.0
(DEL) Alkane: Str...	12.01	11.8	ng/ul	523994	2	10.59	887876	20.0
(DEL) Alkane: Str...	12.97	6.0	ng/ul	477321	3	14.44	1593180	20.0
Naphthalene, 1-et...	13.47	3.3	ng/ul	259329	3	14.44	1593180	20.0
Naphthalene, 2,6-...	13.60	7.4	ng/ul	592151	3	14.44	1593180	20.0
Naphthalene, 2,3-...	13.76	15.1	ng/ul	1201240	3	14.44	1593180	20.0
Bacchotricuneatin c	14.33	7.9	ng/ul	631648	3	14.44	1593180	20.0
2-Naphthalenecarb...	14.73	4.5	ng/ul	357341	3	14.44	1593180	20.0
Naphthalene, 1,6,...	14.91	5.0	ng/ul	401478	3	14.44	1593180	20.0
(DEL) Alkane: Str...	14.96	3.3	ng/ul	258738	3	14.44	1593180	20.0
Naphthalene, 2,3,...	15.11	3.7	ng/ul	295256	3	14.44	1593180	20.0
(DEL) Alkane: Str...	15.29	7.8	ng/ul	622721	3	14.44	1593180	20.0
(DEL) Alkane: Str...	15.69	8.5	ng/ul	674278	3	14.44	1593180	20.0
o-Hydroxybiphenyl	15.86	2.4	ng/ul	171120	4	17.18	1439620	20.0
[1,1'-Biphenyl]-4...	15.93	12.5	ng/ul	901699	4	17.18	1439620	20.0
Dibenzofuran, 4-m...	16.02	5.0	ng/ul	359534	4	17.18	1439620	20.0
(DEL) Alkane: Str...	16.17	52.7	ng/ul	3791530	4	17.18	1439620	20.0
Naphthalene, 1,2,...	16.29	2.3	ng/ul	163164	4	17.18	1439620	20.0
Chamazulene	16.49	4.2	ng/ul	303799	4	17.18	1439620	20.0
1,4,5,8-Tetrameth...	16.72	15.6	ng/ul	1123990	4	17.18	1439620	20.0
9H-Fluoren-9-one	16.84	3.0	ng/ul	216197	4	17.18	1439620	20.0
(DEL) Alkane: Str...	16.94	16.2	ng/ul	1163330	4	17.18	1439620	20.0
(DEL) Alkane: Str...	16.99	3.7	ng/ul	267045	4	17.18	1439620	20.0
9-Phenanthrenol	17.50	2.9	ng/ul	207342	4	17.18	1439620	20.0
unknown-04	17.59	5.0	ng/ul	362561	4	17.18	1439620	20.0
(DEL) Alkane: Str...	17.67	13.7	ng/ul	987576	4	17.18	1439620	20.0
Phenanthrene, 1-m...	18.06	5.1	ng/ul	366882	4	17.18	1439620	20.0
Phenanthrene, 2-m...	18.10	9.3	ng/ul	665867	4	17.18	1439620	20.0
(DEL) Alkane: Str...	18.36	11.4	ng/ul	821420	4	17.18	1439620	20.0
Naphthalene, 2-ph...	18.56	2.4	ng/ul	169032	4	17.18	1439620	20.0
Phenanthrene, 2,5...	18.97	3.3	ng/ul	234964	4	17.18	1439620	20.0

(DEL) Alkane: Str...	19.00	14.5	ng/ul	1042720	4	17.18	1439620	20.0
di-p-Tolylacetylene	19.06	3.5	ng/ul	254053	4	17.18	1439620	20.0
(DEL) Alkane: Str...	20.11	10.5	ng/ul	872562	5	21.36	1658700	20.0
(DEL) Alkane: Str...	20.61	10.0	ng/ul	829724	5	21.36	1658700	20.0
(DEL) Alkane: Str...	21.07	10.1	ng/ul	835455	5	21.36	1658700	20.0
(DEL) Alkane: Str...	21.51	9.4	ng/ul	783689	5	21.36	1658700	20.0
(DEL) Alkane: Str...	21.94	9.2	ng/ul	762201	5	21.36	1658700	20.0
(DEL) Alkane: Str...	22.41	6.4	ng/ul	530178	5	21.36	1658700	20.0

Instrument :
BNA_M
ClientSampleId :
D9WT5DL