LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005629.D
Acq On : 24 May 2016 03:41
Operator : UM/SJ
Sample : H3086-18RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGL2RE

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	6.981	735	747	759	rBV	606939	1242269	9.93%	0.843%
2	7.134	768	773	778	rVV	555925	928901	7.43%	0.630%
3	7.181	778	781	785	rVV	138353	222160	1.78%	0.151%
4	7.340	802	808	814	rVV	658853	1159693	9.27%	0.787%
5	7.722	863	873	877	rBV5	108928	305624	2.44%	0.207%
6	7.804	877	887	893	rVV	874352	1593184	12.74%	1.081%
7	7.981	911	917	922	rVB3	101254	211424	1.69%	0.143%
8	8.345	968	979	989	rVB4	126310	408499	3.27%	0.277%
9	8.516	1001	1008	1014	rBV	800711	1312607	10.49%	0.891%
10	8.898	1062	1073	1078	rBV5	118816	359951	2.88%	0.244%
11	8.963	1078	1084	1096	rVB	598449	1158069	9.26%	0.786%
12	9.145	1111	1115	1122	rVB6	104141	222930	1.78%	0.151%
13	9.516	1167	1178	1190	rVB3	219436	577048	4.61%	0.392%
14	9.681	1199	1206	1211	rBV	478950	804470	6.43%	0.546%
15	9.775	1217	1222	1232	rBV4	154460	307330	2.46%	0.209%
16	10.016	1254	1263	1272	rBV4	63691	240562	1.92%	0.163%
17	10.222	1292	1298	1305	rVB	778209	1335355	10.68%	0.906%
18	10.598	1350	1362	1366	rBV	1179952	2370675	18.95%	1.609%
19	10.645	1366	1370	1377	rVV	699679	1241402	9.92%	0.843%
20	10.733	1377	1385	1394	rVV3	636611	1463408	11.70%	0.993%
21	11.504	1509	1516	1523	rVB7	87179	231068	1.85%	0.157%
22	11.616	1529	1535	1538	rBV	200714	341083	2.73%	0.231%
23	12.257	1640	1644	1651	rVB	356298	572390	4.58%	0.388%
24	12.474	1674	1681	1690	rVB	377068	775652	6.20%	0.526%
25	12.869	1744	1748	1754	rVB6	106597	206483	1.65%	0.140%
26	12.969	1754	1765	1771	rBV	274076	559960	4.48%	0.380%
27	13.269	1808	1816	1821	rVB2	249744	565611	4.52%	0.384%
28	13.369	1829	1833	1838	rVB3	124638	217143	1.74%	0.147%
29	13.492	1851	1854	1859	rVB2	165306	251754	2.01%	0.171%
30	13.616	1868	1875	1882	rBV3	182057	459557	3.67%	0.312%
31	13.763	1895	1900	1905	rBV	332459	563974	4.51%	0.383%
32	13.845	1910	1914	1919	rVV	1107761	1650917	13.20%	1.120%
33	13.892	1919	1922	1931	rVB2	540758	1010900	8.08%	0.686%
34	13.998	1935	1940	1943	rBV	283663	396132	3.17%	0.269%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005629.D
Acq On : 24 May 2016 03:41
Operator : UM/SJ
Sample : H3086-18RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGL2RE

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	14.133	1958	1963	1966	rBV	1288100	2183176	17.45%	1.482%
36	14.163	1966	1968	1977	rVB	1326161	1833128	14.65%	1.244%
37	14.445	2006	2016	2022	rVV2	1416737	2627959	21.01%	1.784%
38	14.504	2022	2026	2034	rVV2	473794	921722	7.37%	0.626%
39	14.663	2047	2053	2059	rVV	568472	945675	7.56%	0.642%
40	14.839	2078	2083	2089	rVB	599708	924353	7.39%	0.627%
41	14.916	2090	2096	2100	rVB	310747	478255	3.82%	0.325%
42	15.063	2115	2121	2125	rBV2	378529	674233	5.39%	0.458%
43	15.110	2126	2129	2133	rVB	181293	252554	2.02%	0.171%
44	15.210	2142	2146	2152	rBV4	283356	707916	5.66%	0.480%
45	15.263	2152	2155	2158	rVV	245842	369823	2.96%	0.251%
46	15.315	2161	2164	2169	rVB	187198	289130	2.31%	0.196%
47	15.433	2180	2184	2189	rVB	1600568	2259944	18.07%	1.534%
48	15.492	2189	2194	2204	rVB2	1247303	2114780	16.91%	1.435%
49	15.615	2211	2215	2218	rVV2	277688	364041	2.91%	0.247%
50	15.651	2218	2221	2225	rVB4	236252	312281	2.50%	0.212%
51	15.698	2225	2229	2233	rBV2	259113	368086	2.94%	0.250%
52	15.780	2239	2243	2251	rVB2	376177	669070	5.35%	0.454%
53	15.904	2260	2264	2266	rBV	181146	276927	2.21%	0.188%
54	15.933	2266	2269	2277	rVB3	332771	623992	4.99%	0.424%
55	16.168	2303	2309	2314	rVB2	463852	933518	7.46%	0.634%
56	16.492	2357	2364	2368	rBV3	505419	1026129	8.20%	0.696%
57	16.545	2369	2373	2378	rVB2	348866	527437	4.22%	0.358%
58	16.639	2386	2389	2394	rVB	305626	447348	3.58%	0.304%
59	16.845	2421	2424	2429	rVB3	236782	360405	2.88%	0.245%
60	16.915	2433	2436	2438	rBV2	169255	235248	1.88%	0.160%
61	17.004	2446	2451	2459	rVB	650161	1167551	9.33%	0.792%
62	17.186	2477	2482	2485	rBV	1432623	2237281	17.89%	1.518%
63	17.233	2485	2490	2495	rVV	6329796	10237915	81.85%	6.948%
64	17.286	2495	2499	2502	rVV2	1675565	2467115	19.72%	1.674%
65	17.321	2502	2505	2510	rVV	1868130	2401052	19.19%	1.630%
66	17.374	2510	2514	2519	rVV2	271673	501199	4.01%	0.340%
67	17.592	2548	2551	2555	rBV3	229284	300828	2.40%	0.204%
68	17.704	2567	2570	2574	rVB	490246	582263	4.65%	0.395%
69	18.062	2626	2631	2635	rBV	1587838	2434861	19.47%	1.653%
70	18.109	2635	2639	2644	rVB	1237774	1740163	13.91%	1.181%
71	18.192	2649	2653	2658	rVV	574448	913140	7.30%	0.620%

LSC Area Percent Report

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Acq On : 24 May 2016 03:41
Operator : UM/SJ
Sample : H3086-18RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGL2RE

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	18.256	2658	2664	2668	rVV2	2460446	4676231	37.38%	3.174%
73	18.292	2668	2670	2676	rVB	1198887	1440936	11.52%	0.978%
74	18.562	2711	2716	2720	rVB	1333935	1785413	14.27%	1.212%
75	18.804	2754	2757	2761	rVB2	308741	382971	3.06%	0.260%
76	18.856	2763	2766	2770	rVB	243320	271129	2.17%	0.184%
77	18.980	2782	2787	2792	rBV	715905	1284640	10.27%	0.872%
78	19.121	2808	2811	2819	rVB4	220246	537060	4.29%	0.365%
79	19.251	2826	2833	2838	rBV	7255917	11332099	90.59%	7.691%
80	19.339	2846	2848	2852	rVB2	246000	301881	2.41%	0.205%
81	19.392	2853	2857	2861	rBV	1202879	1638584	13.10%	1.112%
82	19.580	2884	2889	2890	rBV3	2443441	3140975	25.11%	2.132%
83	19.615	2890	2895	2902	rVV	7387898	12508747	100.00%	8.490%
84	19.680	2902	2906	2912	rVB3	453114	726547	5.81%	0.493%
85	19.933	2944	2949	2955	rVB3	476878	1013417	8.10%	0.688%
86	20.098	2973	2977	2983	rVB2	1479201	2455051	19.63%	1.666%
87	20.198	2990	2994	2999	rBV2	1241044	1651694	13.20%	1.121%
88	20.256	3001	3004	3008	rVB	794379	1046135	8.36%	0.710%
89	20.398	3025	3028	3032	rBV	578720	700688	5.60%	0.476%
90	20.445	3033	3036	3043	rVB	664272	970234	7.76%	0.658%
91	21.045	3136	3138	3142	rVV	575781	680886	5.44%	0.462%
92	21.092	3143	3146	3150	rVB2	532835	693409	5.54%	0.471%
93	21.356	3185	3191	3195	rBV4	3686263	7270191	58.12%	4.934%
94	21.403	3195	3199	3204	rVB	3190140	4302751	34.40%	2.920%
95	21.515	3216	3218	3224	rVB	403756	476874	3.81%	0.324%
96	22.962	3459	3464	3469	rBV	1439018	3450511	27.58%	2.342%
97	23.450	3543	3547	3552	rBV	1034784	1837219	14.69%	1.247%
98	23.503	3552	3556	3560	rVV2	1085314	2192502	17.53%	1.488%
99	23.550	3560	3564	3570	rVB	2371496	4326265	34.59%	2.936%
100	23.650	3577	3581	3585	rVB2	804802	1266878	10.13%	0.860%

Sum of corrected areas: 147340601

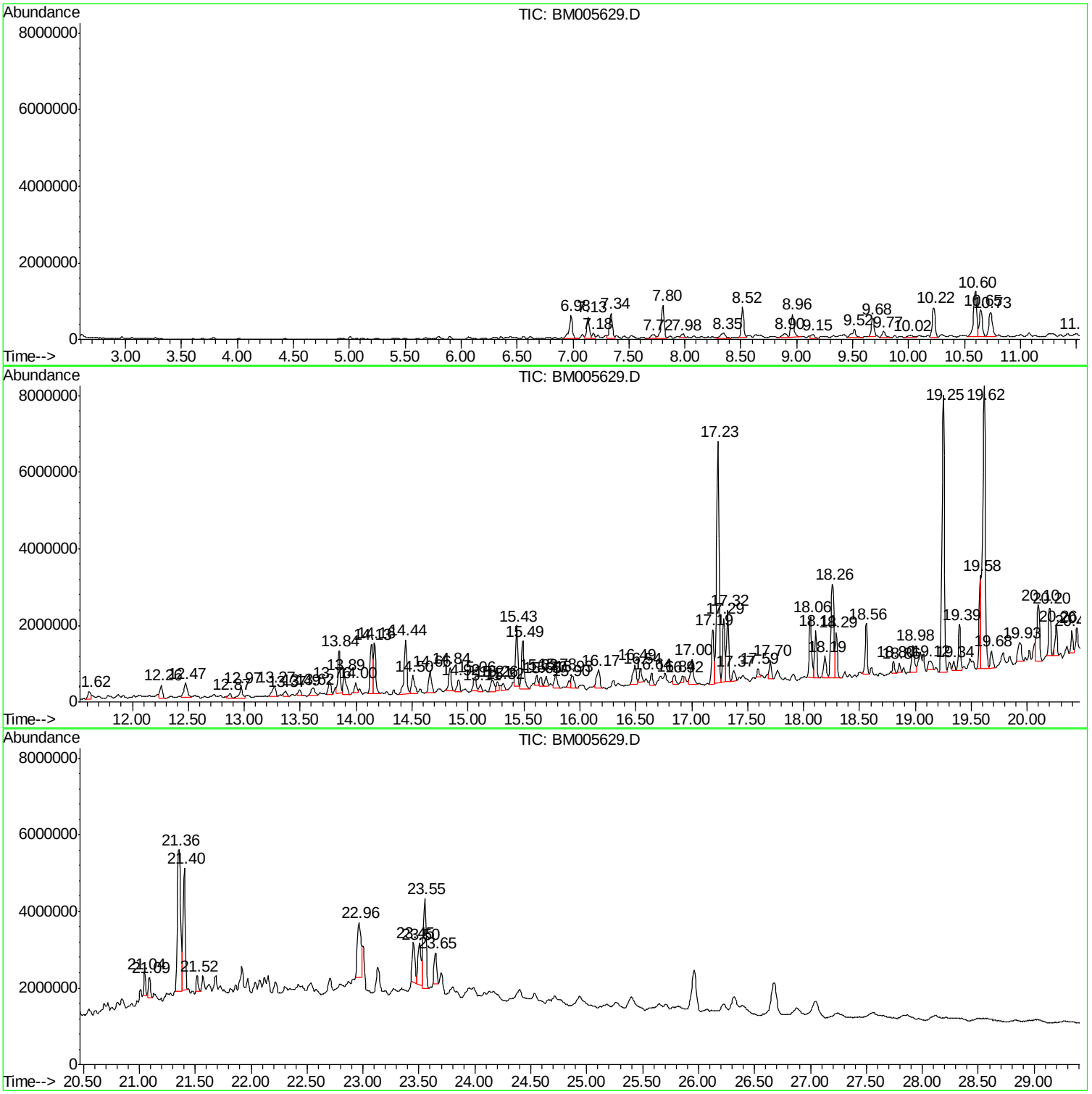
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005629.D
Acq On : 24 May 2016 03:41
Operator : UM/SJ
Sample : H3086-18RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGL2RE

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

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005629.D
Acq On : 24 May 2016 03:41
Operator : UM/SJ
Sample : H3086-18RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGL2RE

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

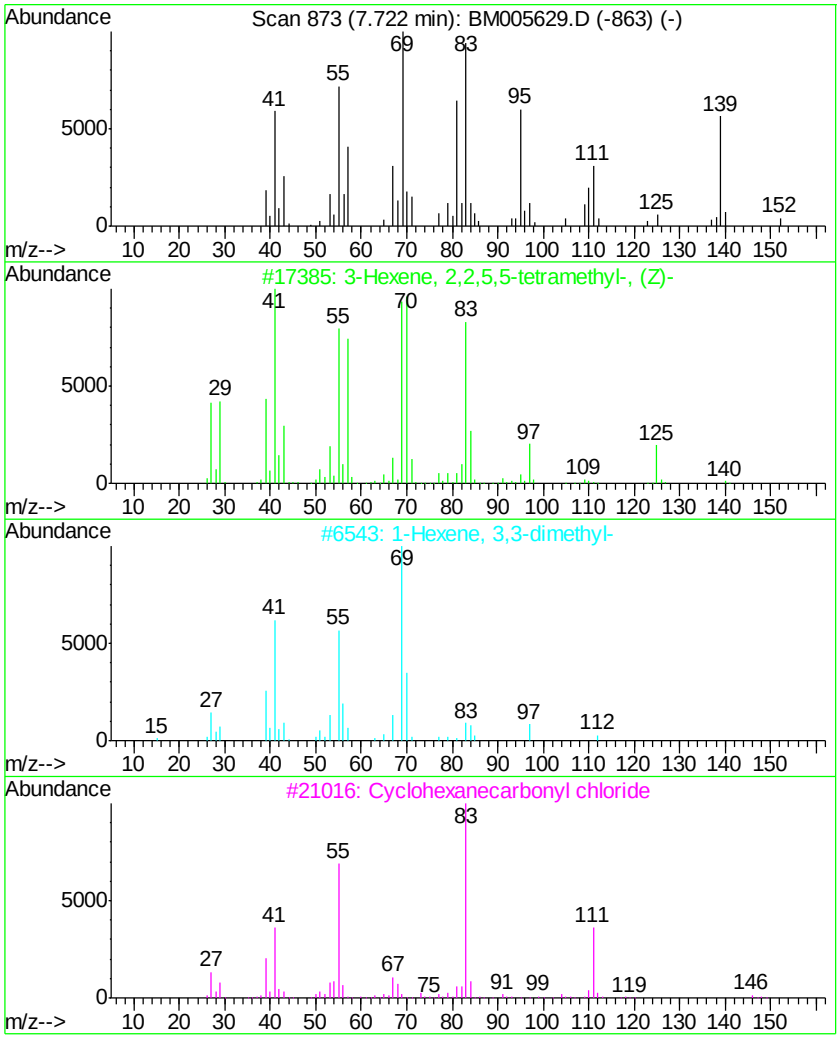
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

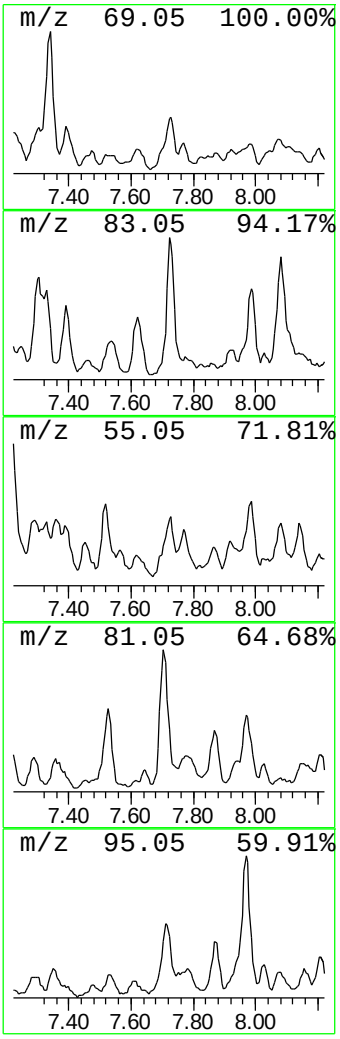
****

Peak Number 1 (DEL) Alkane: Cyclic7.72 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.72	3.84 ng/ul	305624	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexene, 2,2,5,5-tetramethyl-, ...	140	C10H20	000692-47-7	38
2	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	25
3	Cyclohexanecarbonyl chloride	146	C7H11ClO	002719-27-9	22
4	1H-1,2,4-Triazole, 3-(2-methylpr...	125	C6H11N3	040515-29-5	22
5	1H-Pyrrolizine, hexahydro-	111	C7H13N	000643-20-9	22





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005629.D
Acq On : 24 May 2016 03:41
Operator : UM/SJ
Sample : H3086-18RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGL2RE

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

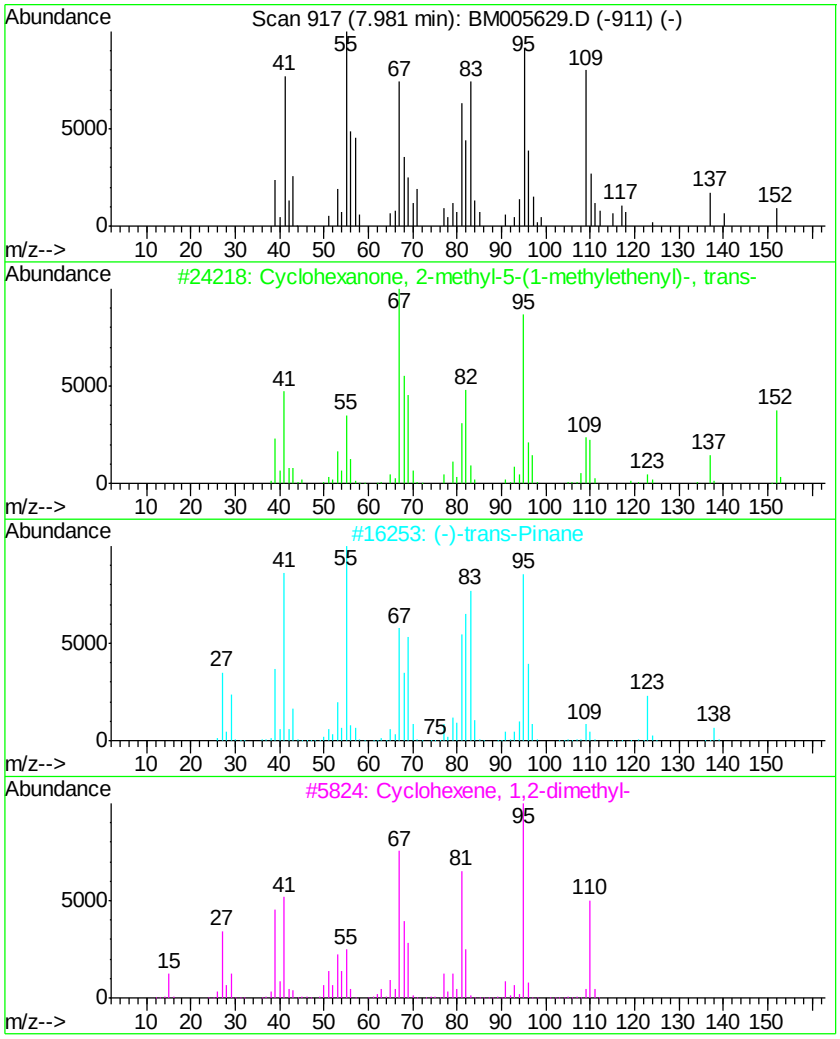
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

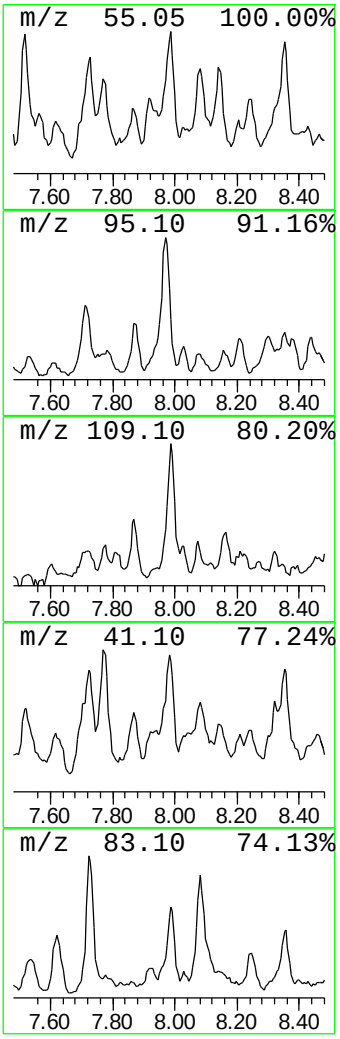
****

Peak Number 2 Cyclohexanone, 2-methyl-5-(... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.98	2.65 ng/ul	211424	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	005948-04-9	60
2	(-)-trans-Pinane	138	C10H18	033626-25-4	47
3	Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	42
4	2-Methylbicyclo[3.2.1]octane	124	C9H16	1000215-28-0	38
5	Cyclohexene, 1,2-dimethyl-	110	C8H14	001674-10-8	38





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005629.D
Acq On : 24 May 2016 03:41
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Sample : H3086-18RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGL2RE

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

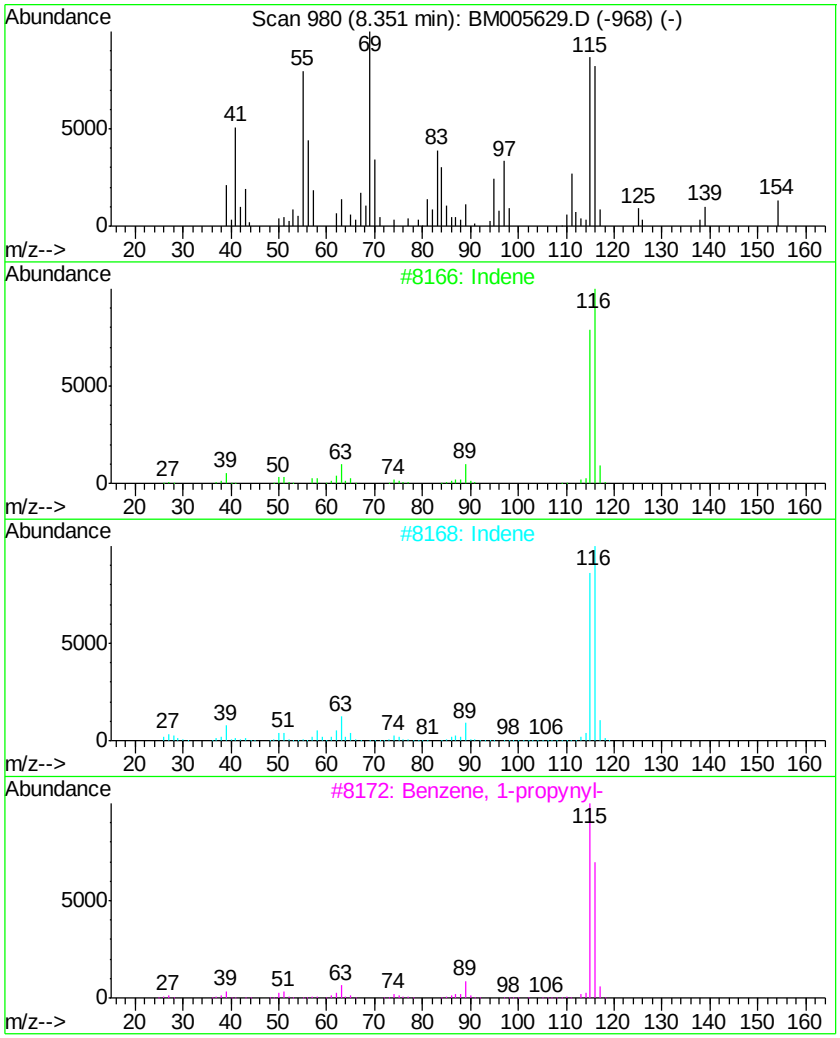
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

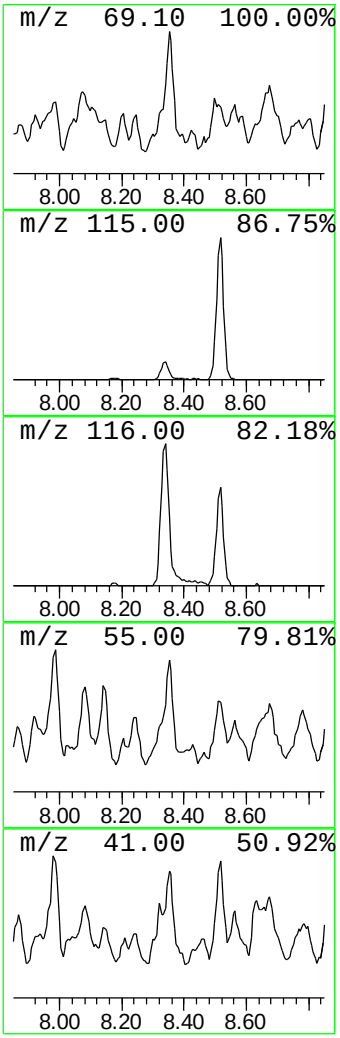
****

Peak Number 3 Indene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.35	5.13 ng/ul	408499	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	92
2	Indene	116	C9H8	000095-13-6	86
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	70
4	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	62
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	62





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005629.D
Acq On : 24 May 2016 03:41
Operator : UM/SJ
Sample : H3086-18RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGL2RE

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

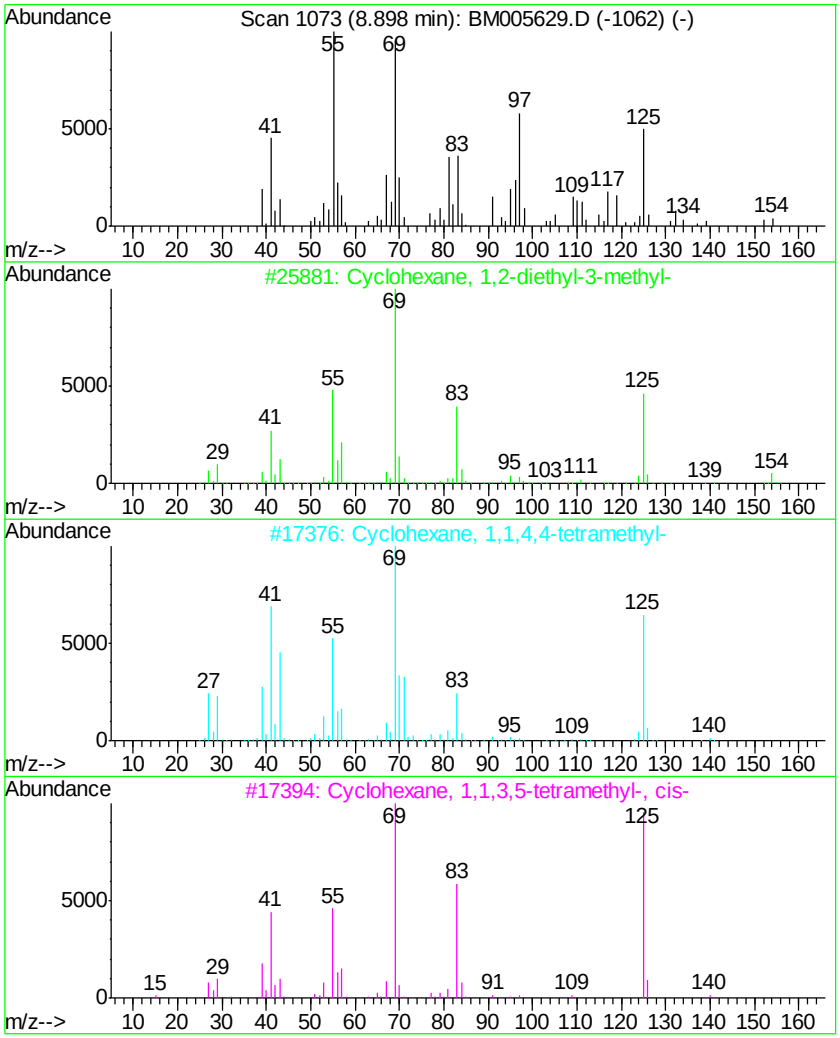
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

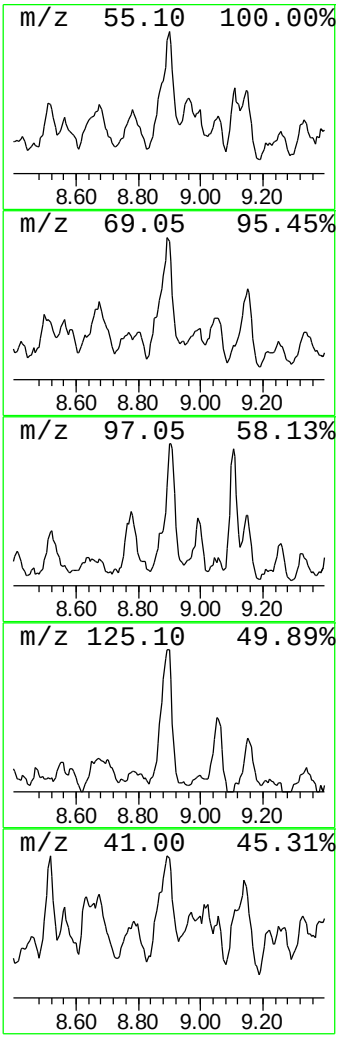
****

Peak Number 4 (DEL) Alkane: Cyclic8.90 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.90	4.52 ng/ul	359951	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-diethyl-3-methyl-	154	C11H22	061141-80-8	43
2	Cyclohexane, 1,1,4,4-tetramethyl-	140	C10H20	002223-52-1	38
3	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	38
4	Cyclopentanecarboxylic acid, all...	154	C9H14O2	178905-33-4	38
5	2,2,4-Trimethyl-3-hexene	126	C9H18	059643-72-0	35





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005629.D
Acq On : 24 May 2016 03:41
Operator : UM/SJ
Sample : H3086-18RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGL2RE

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

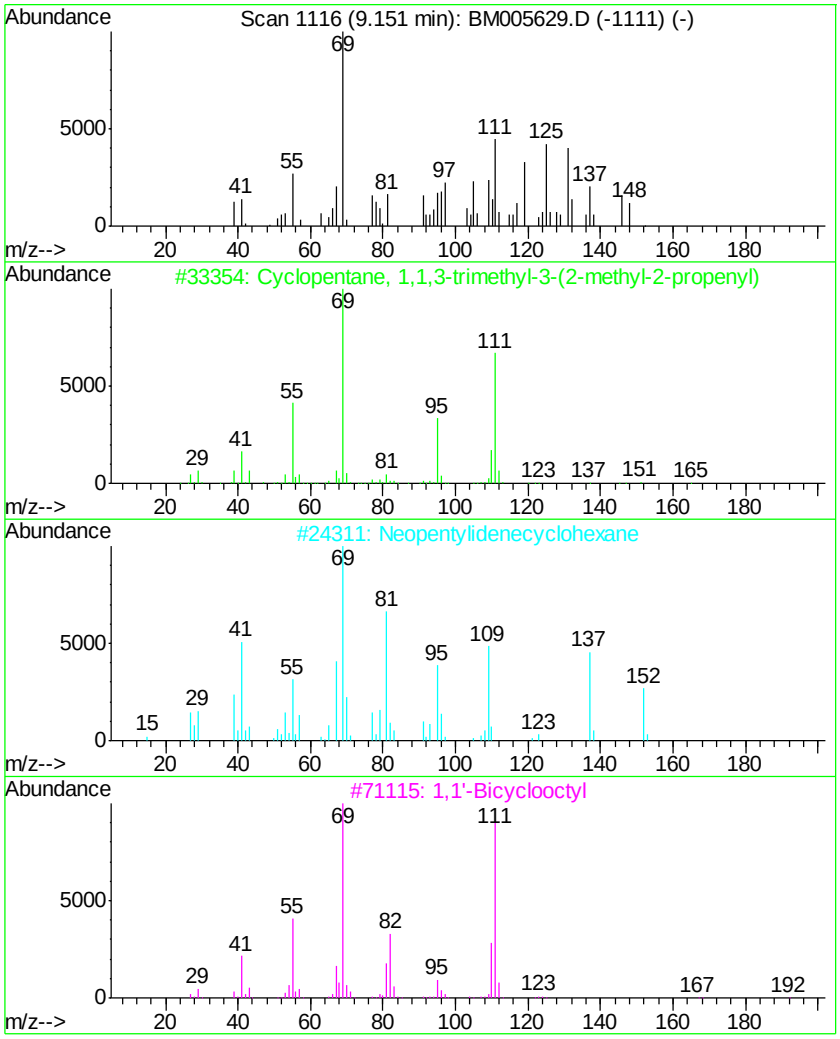
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

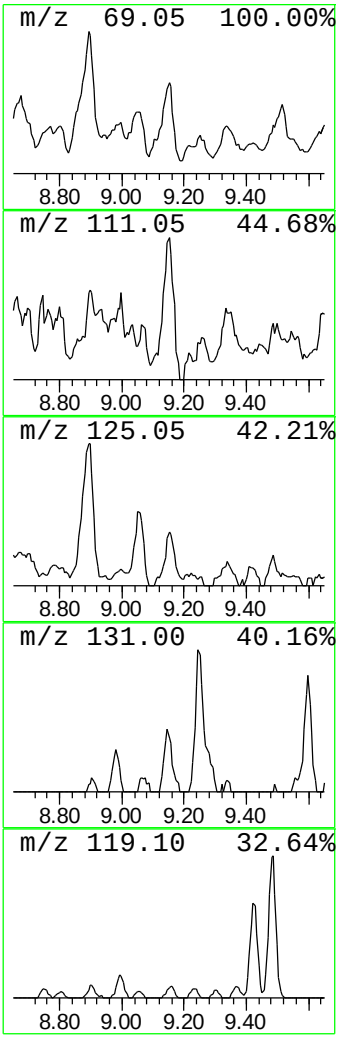
****

Peak Number 5 (DEL) Alkane: Branched9.15 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.15	2.80 ng/ul	222930	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1,3-trimethyl-3-...	166	C12H22	074421-09-3	22
2	Neopentylidenecyclohexane	152	C11H20	039546-80-0	17
3	1,1'-Bicyclooctyl	222	C16H30	006708-17-4	12
4	Cyclohexane, 1,1'-(1,2-dimethyl-...	222	C16H30	074663-71-1	12
5	1-Pentyne, 3-methyl-3-(1-methyle...	140	C9H16O	053966-55-5	12





Library Search Compound Report

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Acq On : 24 May 2016 03:41
Operator : UM/SJ
Sample : H3086-18RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGL2RE

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

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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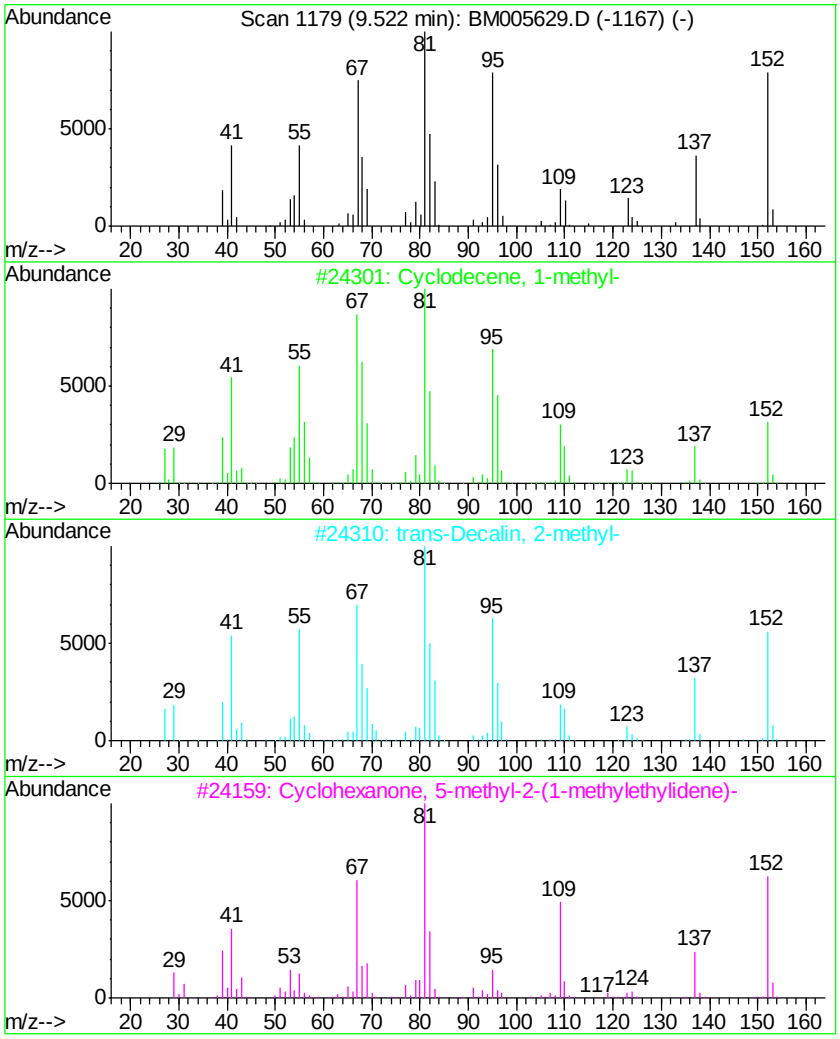
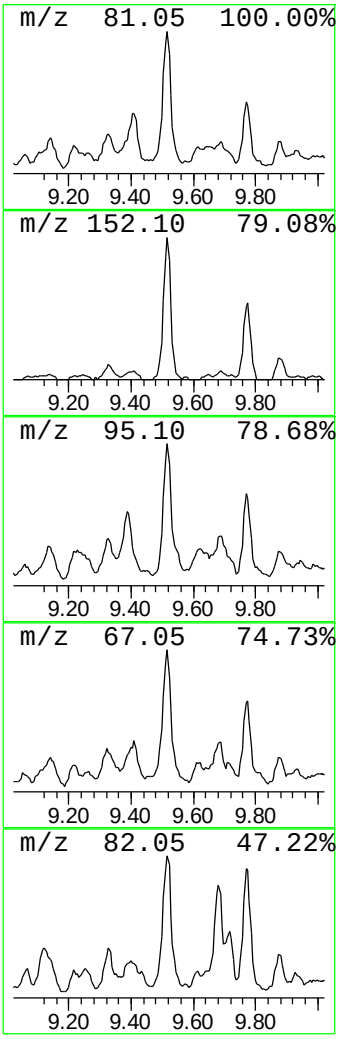
Peak Number 6 (DEL) Alkane: Branched9.52 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	4.87 ng/ul	577048	Naphthalene-d8	10.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclodecene, 1-methyl-	152	C11H20	066633-38-3	87
2	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	86
3	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	76
4	Pulegone	152	C10H16O	000089-82-7	76
5	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	68





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGL2RE

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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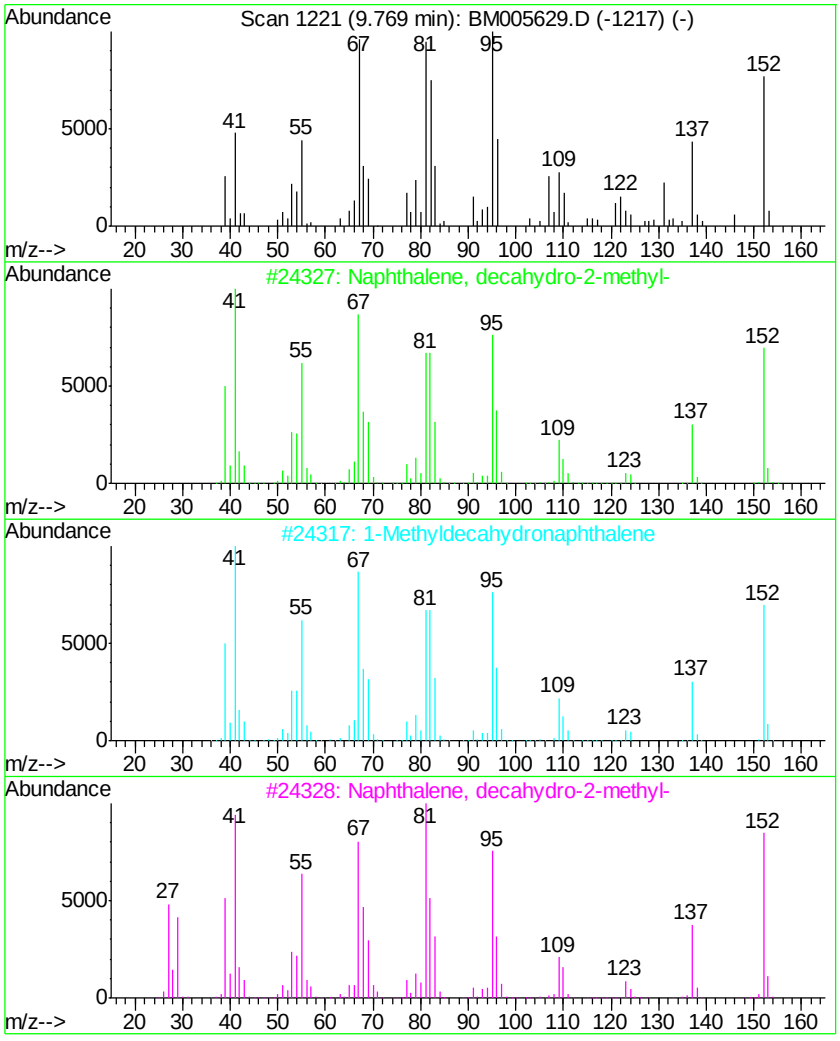
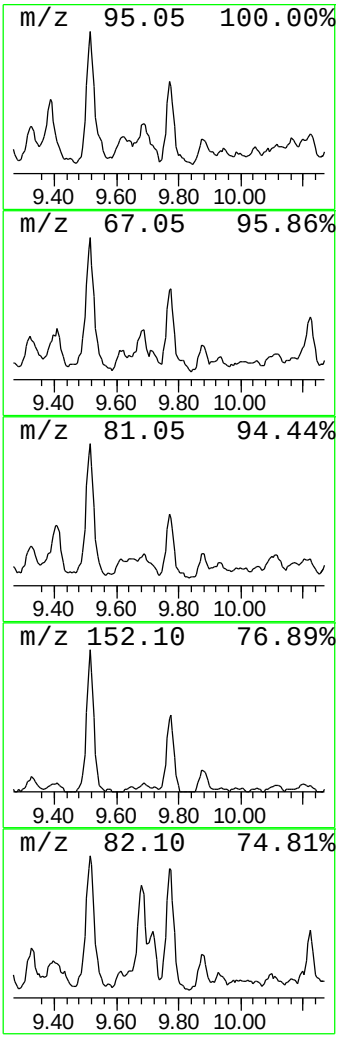
Peak Number 7 (DEL) Alkane: Branched9.77 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.77	2.59 ng/ul	307330	Naphthalene-d8	10.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	92
2	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	92
3	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	81
4	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	76
5	Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	58





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGL2RE

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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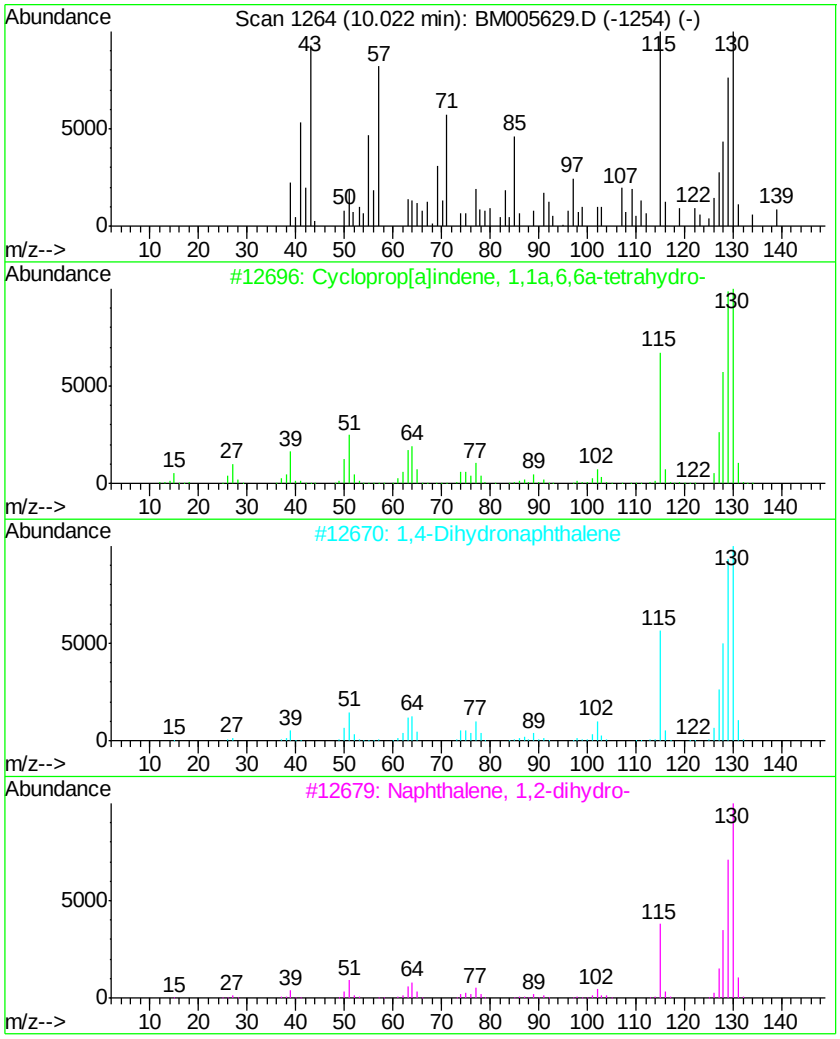
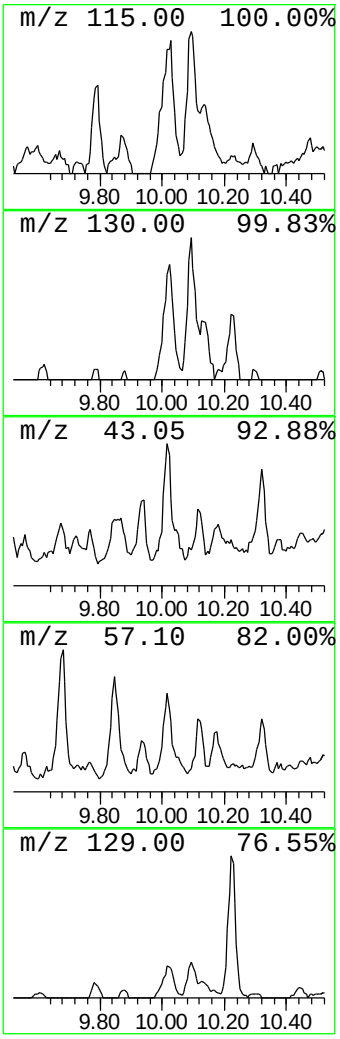
Peak Number 8 Cycloprop[a]indene, 1,1a,6,... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.02	2.03 ng/ul	240562	Naphthalene-d8	10.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	90
2	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	70
3	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	60
4	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	55
5	Benzene, 1-butynyl-	130	C10H10	000622-76-4	55





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Sample : H3086-18RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGL2RE

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

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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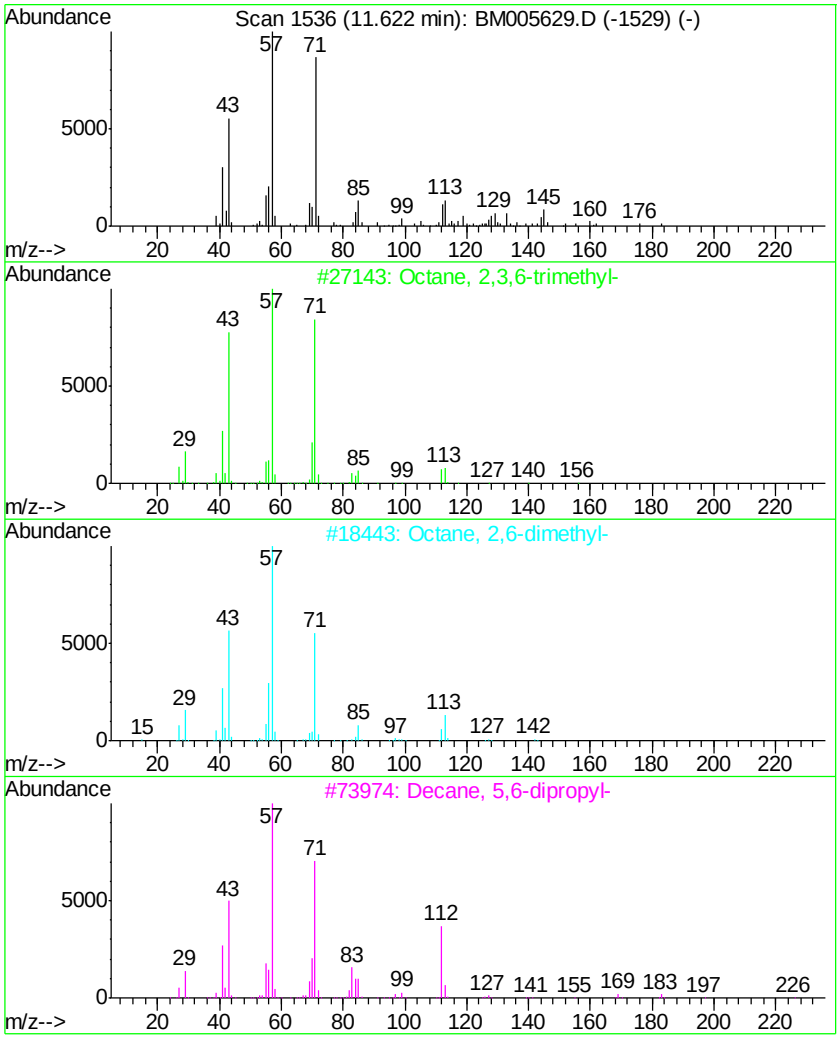
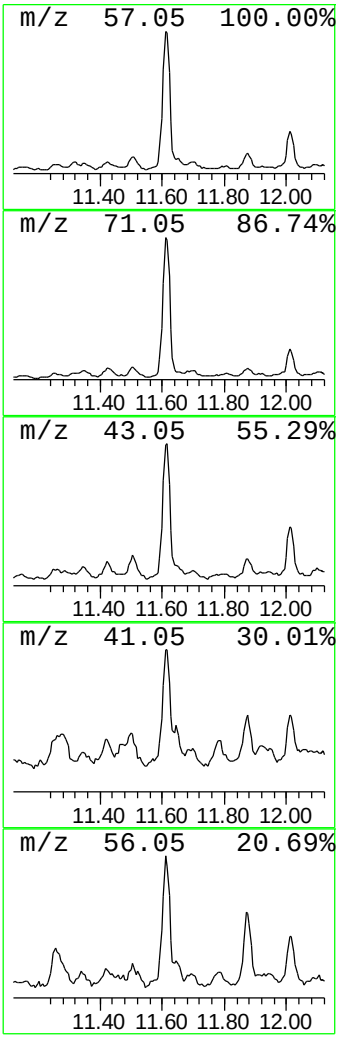
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	2.88 ng/ul	341083	Naphthalene-d8	10.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,3,6-trimethyl-	156	C11H24	062016-33-5	72
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
3	Decane, 5,6-dipropyl-	226	C16H34	119209-20-0	72
4	Nonane, 5-propyl-	170	C12H26	000998-35-6	64
5	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	64





Library Search Compound Report

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Sample : H3086-18RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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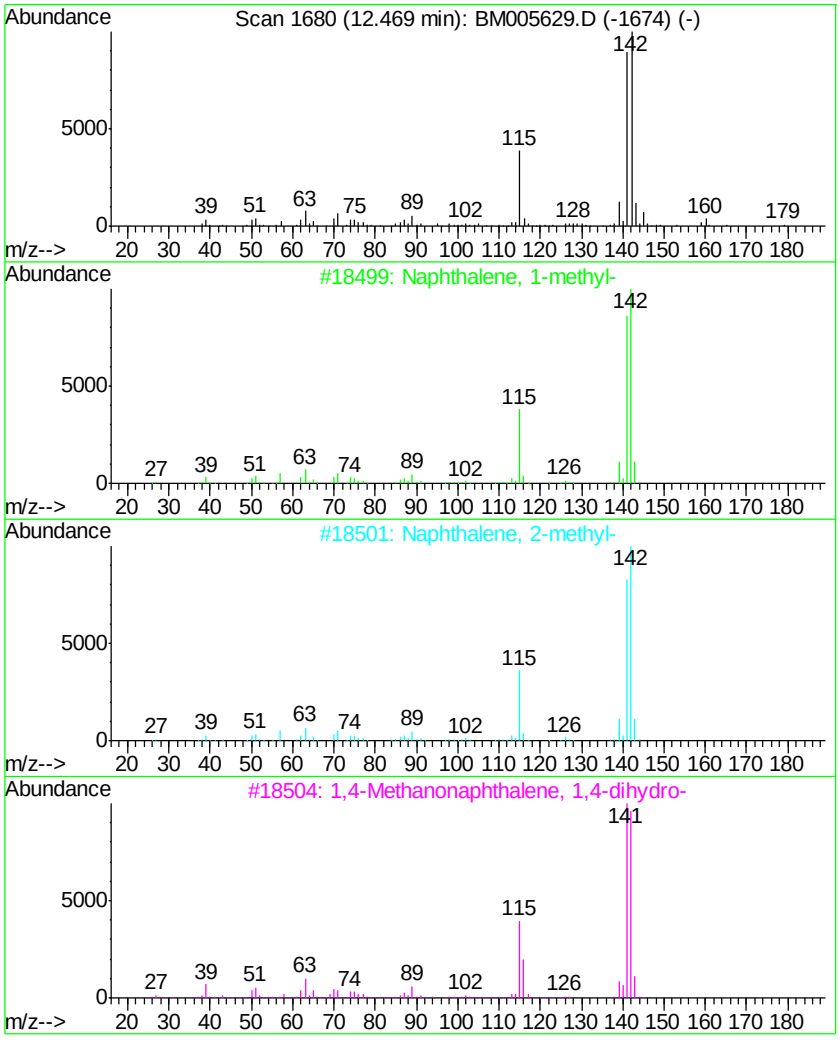
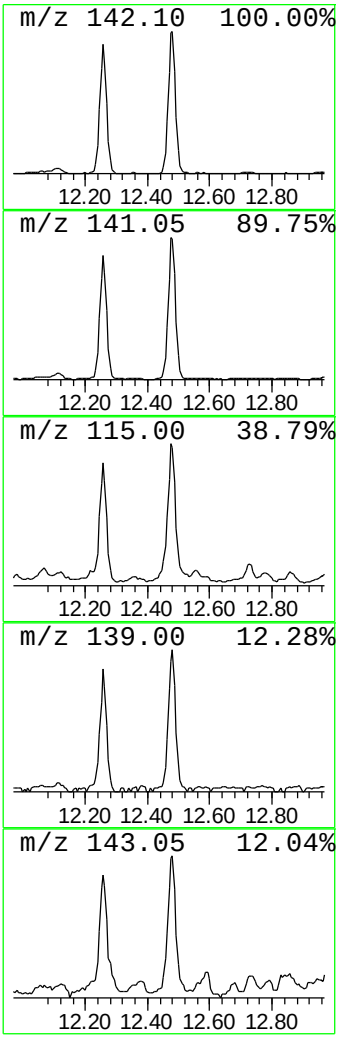
Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	6.54 ng/ul	775652	Naphthalene-d8	10.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





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Operator : UM/SJ
Sample : H3086-18RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGL2RE

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

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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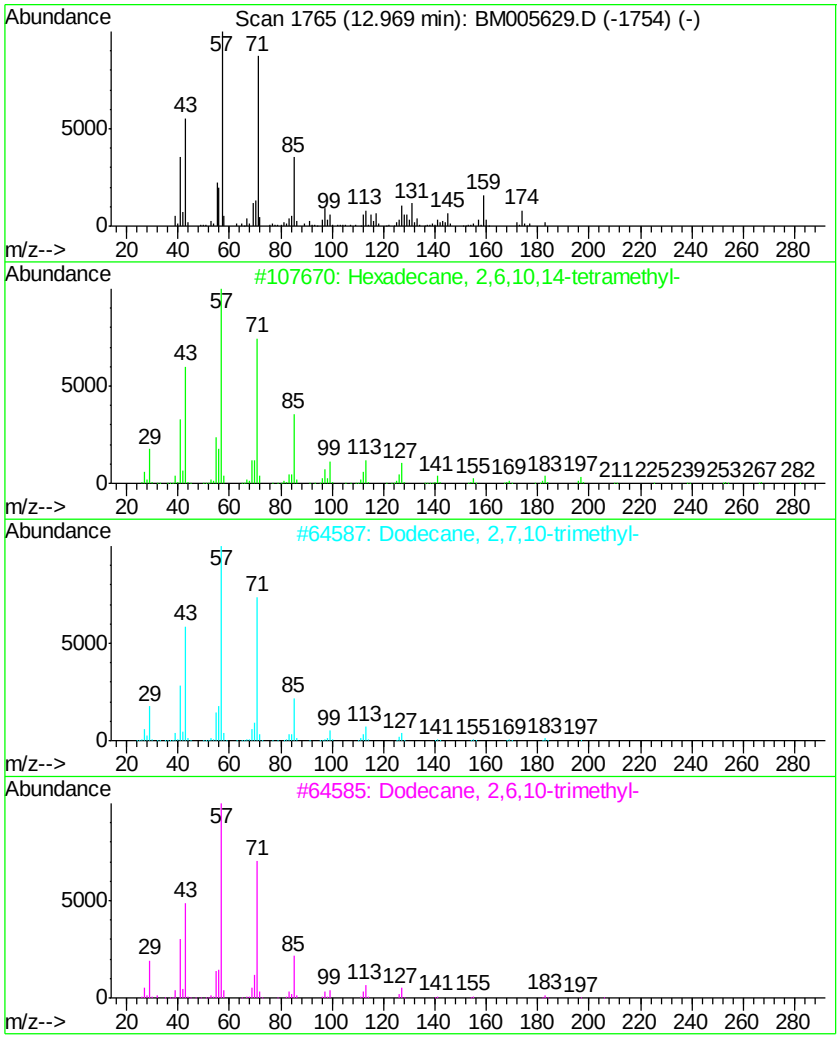
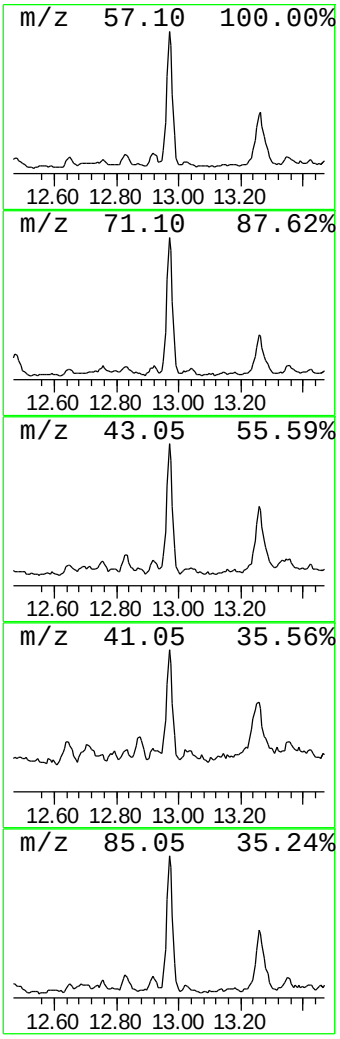
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	4.26 ng/ul	559960	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	80
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64
3	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	64
4	Octane, 3-ethyl-	142	C10H22	005881-17-4	52
5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	49





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Operator : UM/SJ
Sample : H3086-18RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGL2RE

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

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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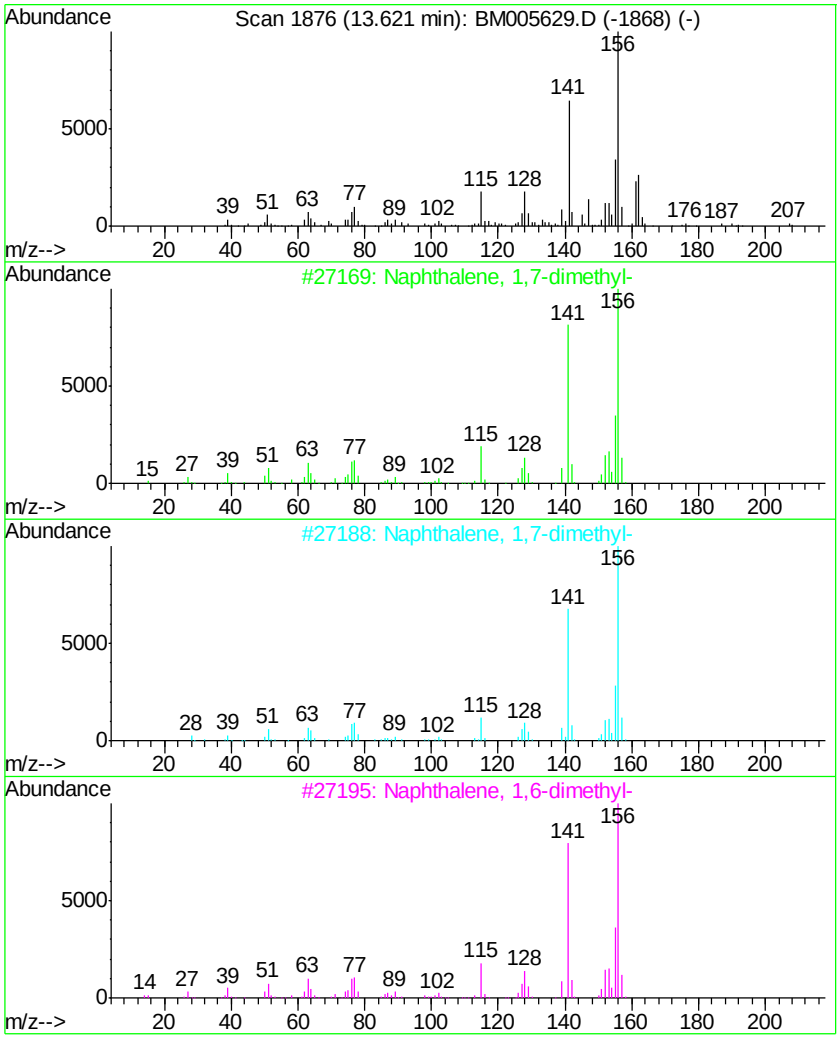
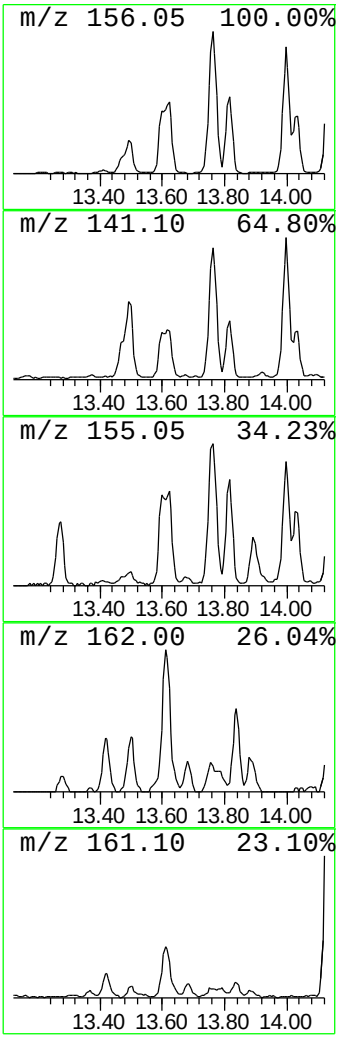
Peak Number 12 Naphthalene, 1,7-dimethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	3.50 ng/ul	459557	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGL2RE

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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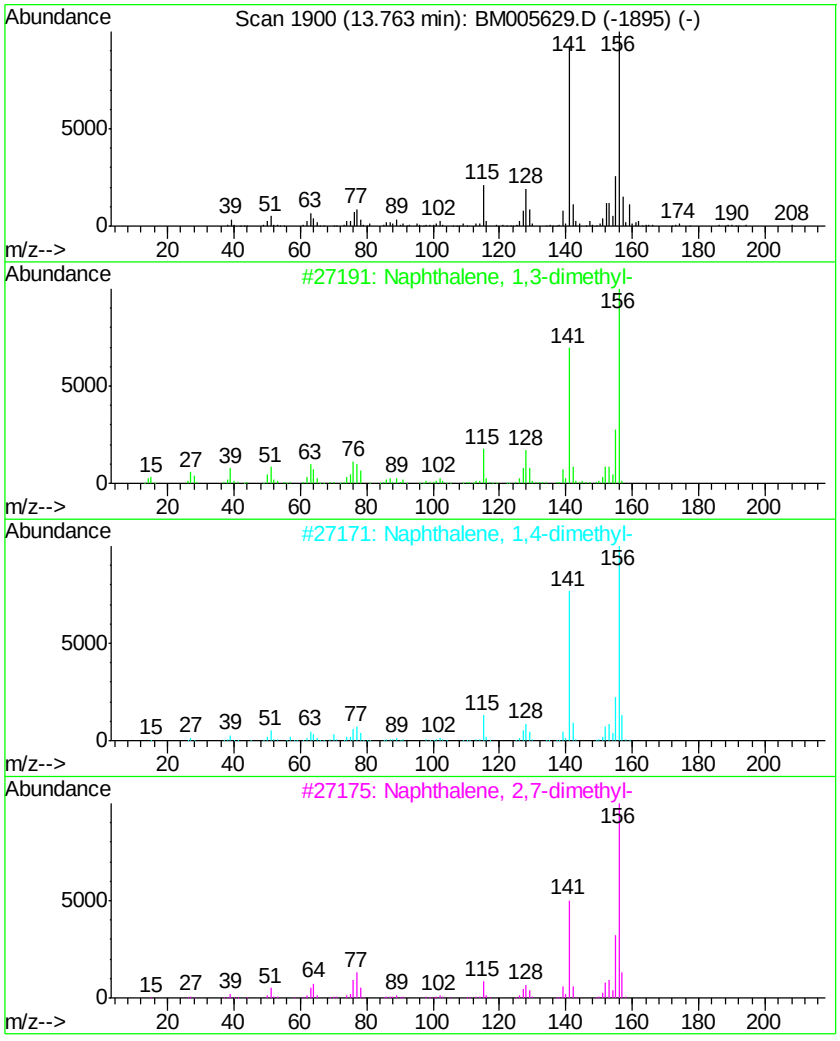
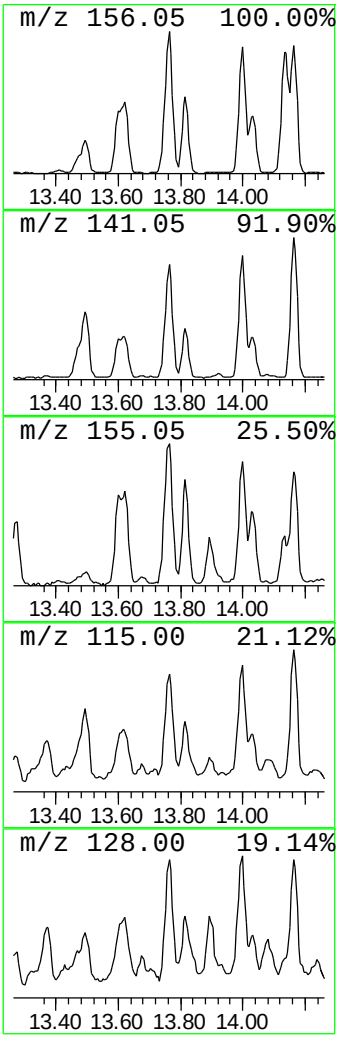
Peak Number 13 Naphthalene, 1,3-dimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	4.29 ng/ul	563974	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGL2RE

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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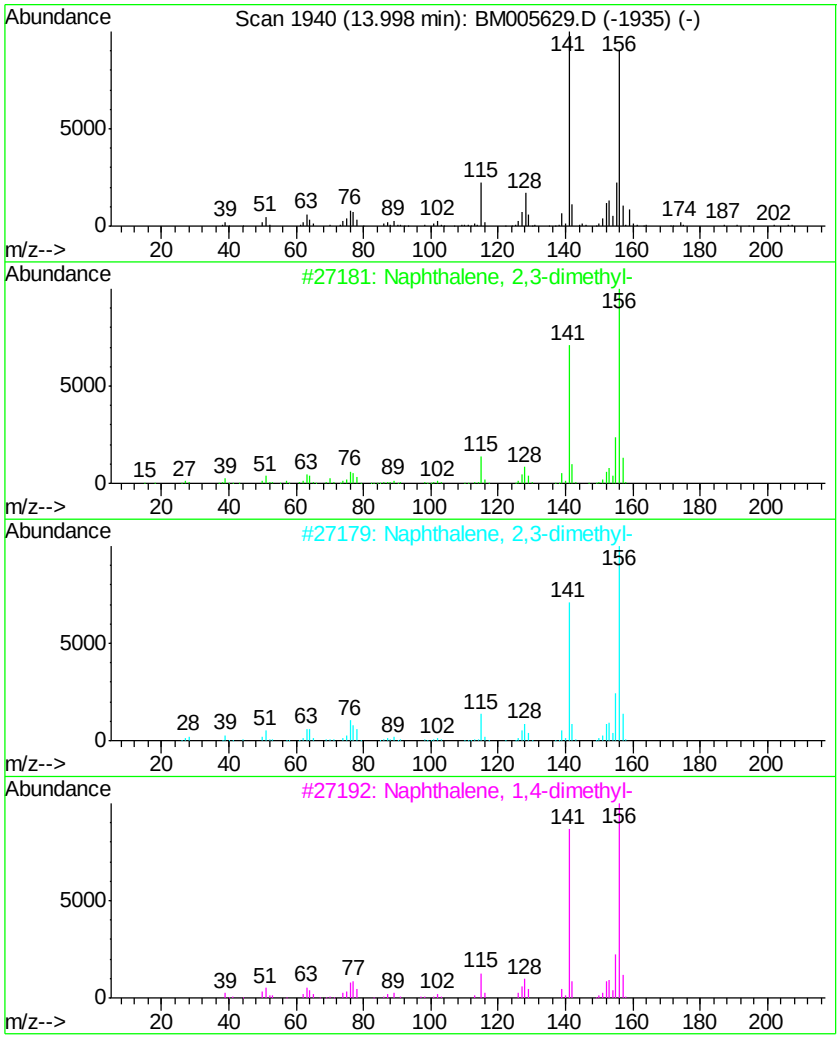
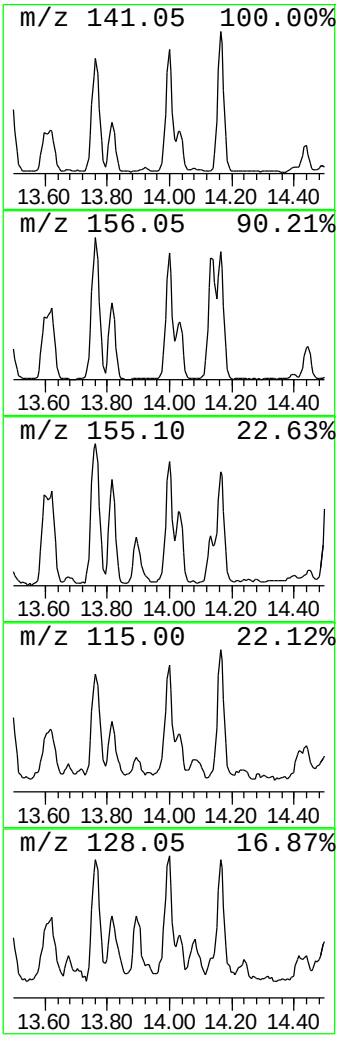
Peak Number 14 Naphthalene, 2,3-dimethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.00	3.01 ng/ul	396132	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, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGL2RE

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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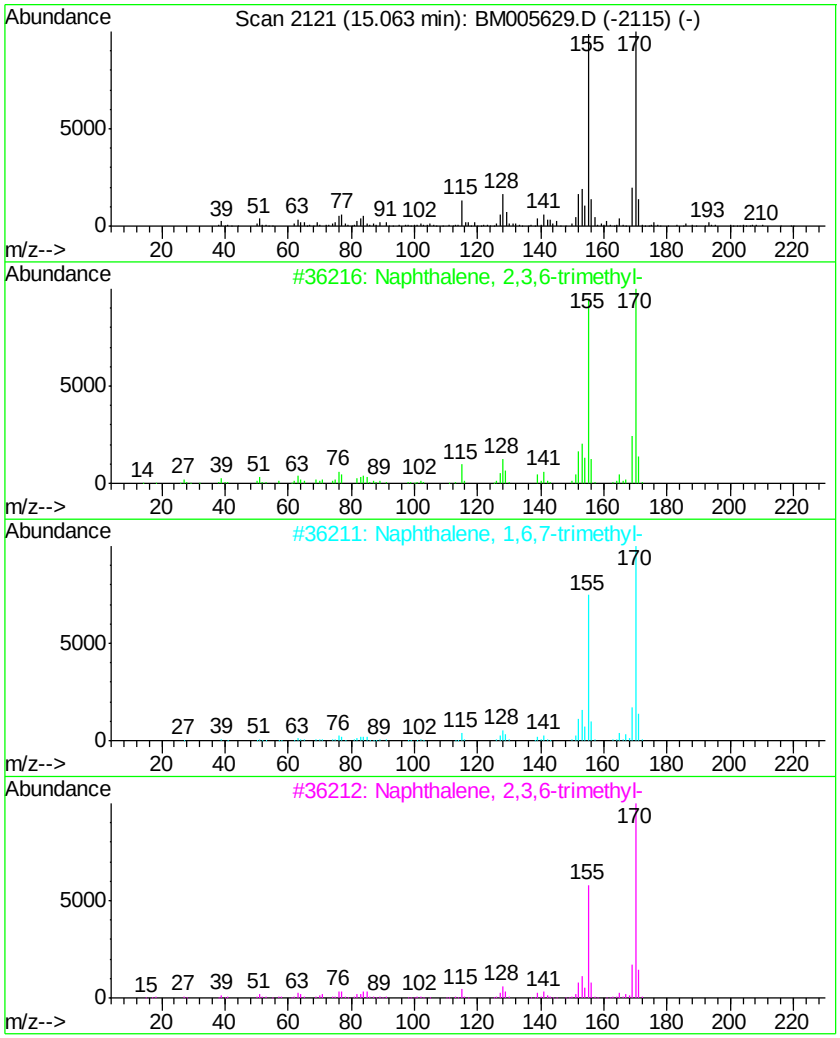
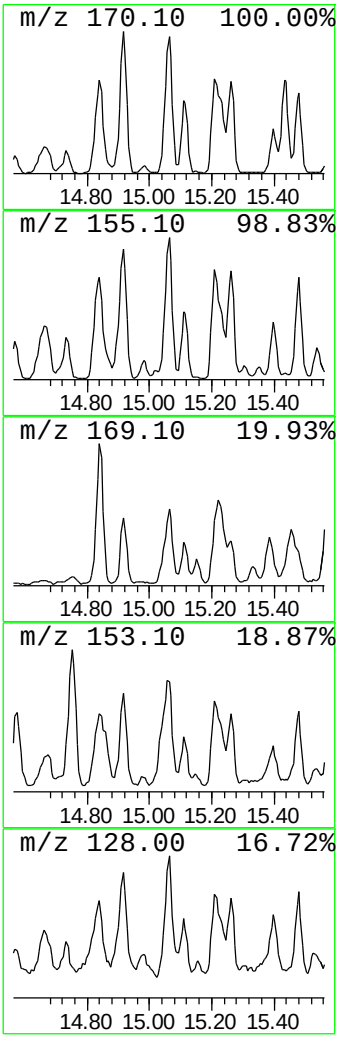
Peak Number 16 Naphthalene, 2,3,6-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	5.13 ng/ul	674233	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	95
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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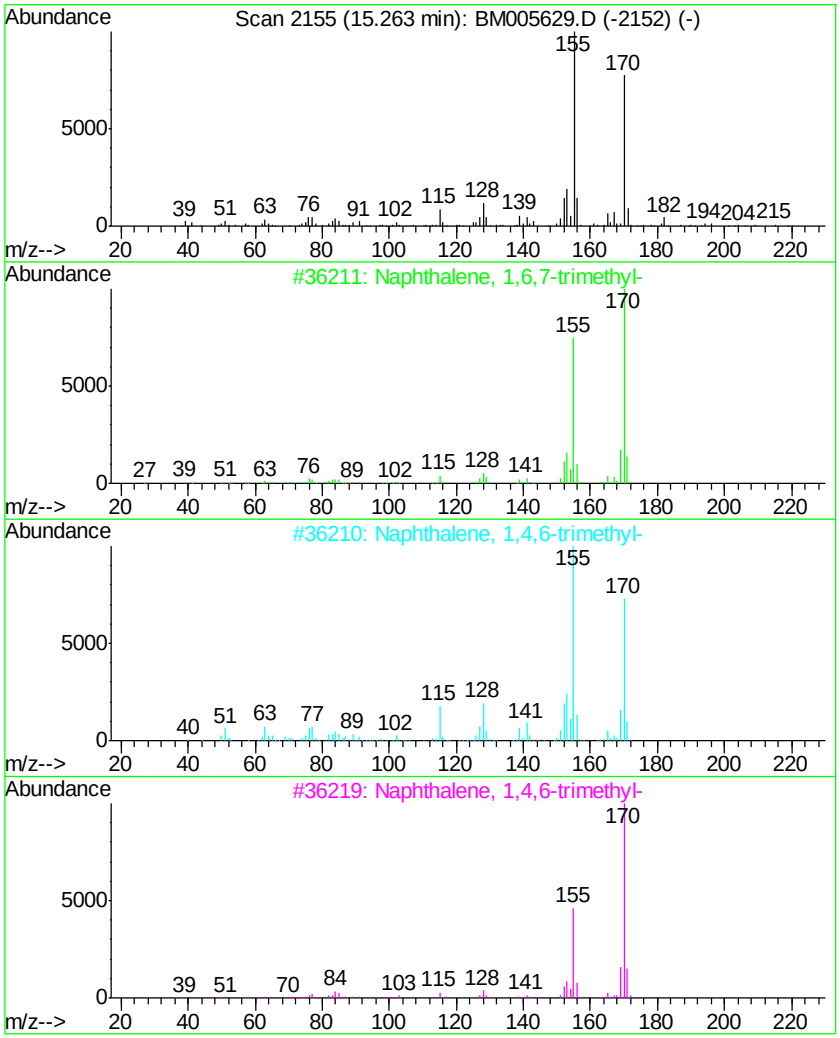
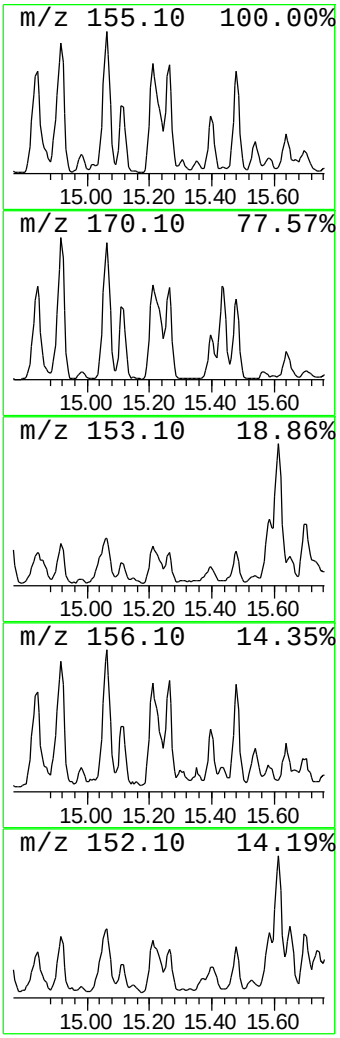
Peak Number 18 Naphthalene, 1,6,7-trimethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	2.81 ng/ul	369823	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	91
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	91
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	91
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	91





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGL2RE

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

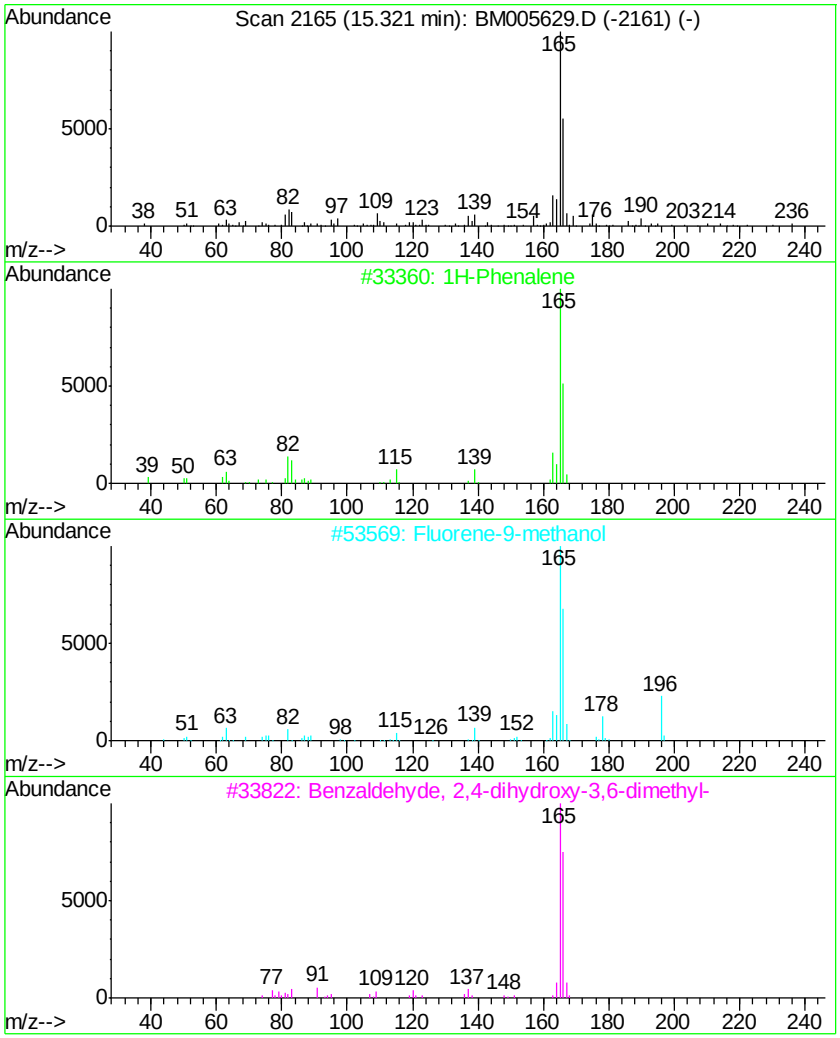
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

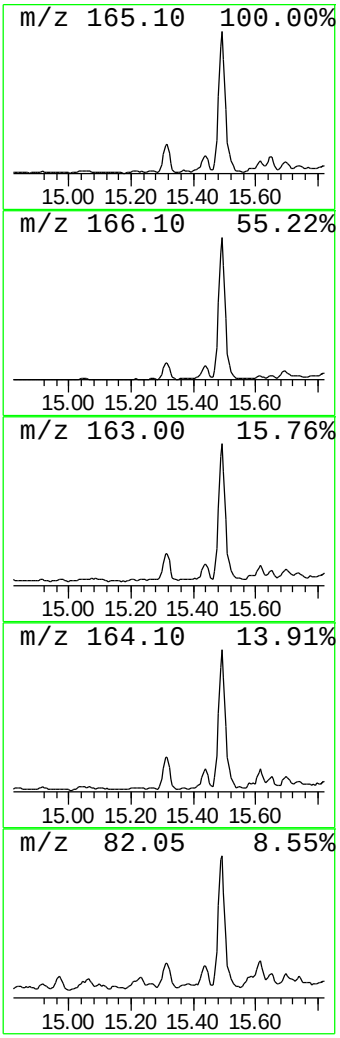
****

Peak Number 19 1H-Phenalene Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	2.20 ng/ul	289130	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Phenalene	166	C13H10	000203-80-5	78
2	Fluorene-9-methanol	196	C14H12O	024324-17-2	78
3	Benzaldehyde, 2,4-dihydroxy-3,6-...	166	C9H10O3	034883-14-2	64
4	Benzaldehyde, 2,4-dihydroxy-3,6-...	166	C9H10O3	034883-14-2	59
5	9H-Fluorene, 9-(1-methylethyl)-	208	C16H16	003299-99-8	56





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Data File : BM005629.D
Acq On : 24 May 2016 03:41
Operator : UM/SJ
Sample : H3086-18RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGL2RE

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

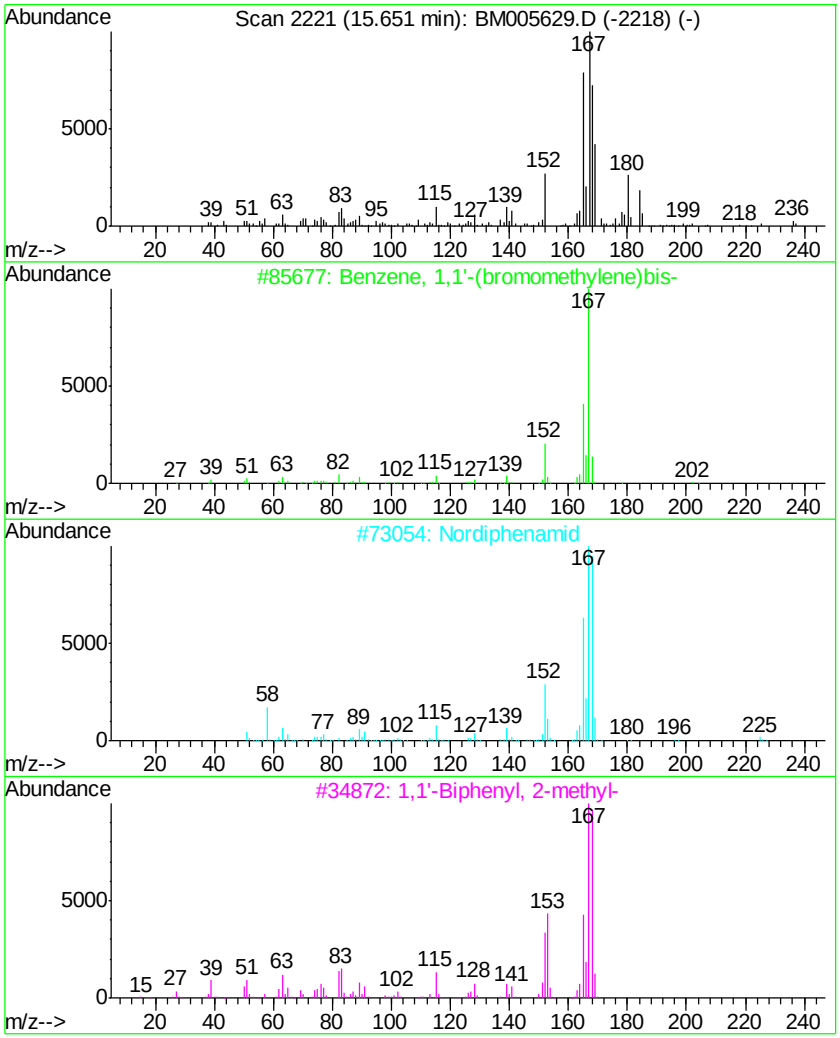
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

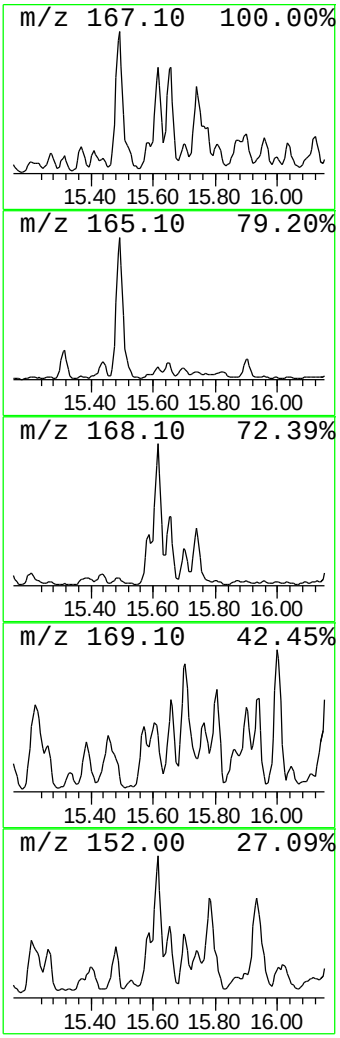
****

Peak Number 20 unknown-01 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.65	2.38 ng/ul	312281	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	46
2	Nordiphenamid	225	C15H15NO	000954-21-2	45
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	45
4	Benzene, 1,1'-[(methylthio)methy...	214	C14H14S	015733-08-1	43
5	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	43





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Data File : BM005629.D
Acq On : 24 May 2016 03:41
Operator : UM/SJ
Sample : H3086-18RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGL2RE

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

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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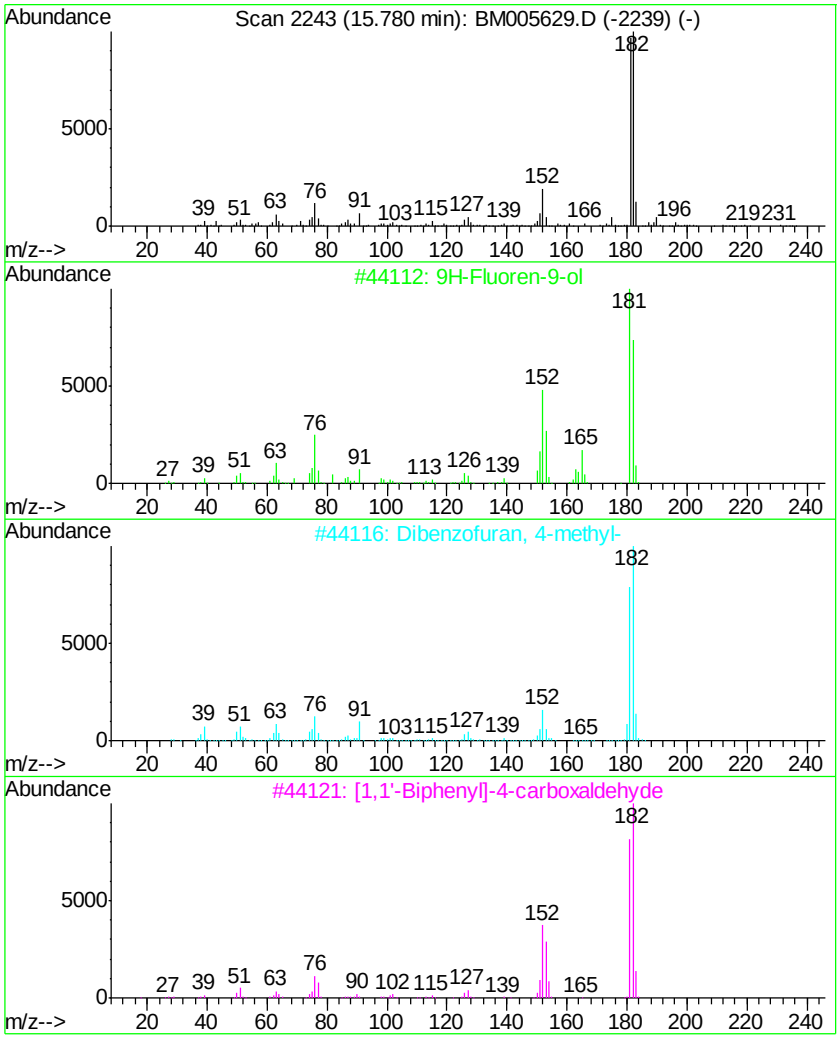
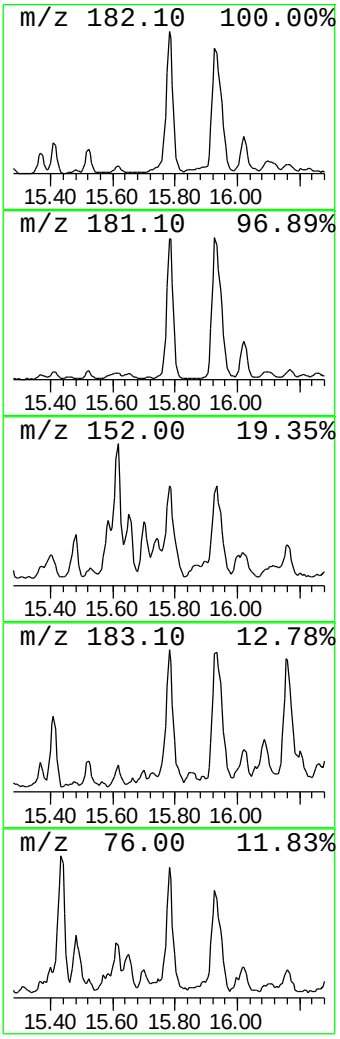
Peak Number 21 9H-Fluoren-9-ol Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.78	5.09 ng/ul	669070	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	74
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72





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Acq On : 24 May 2016 03:41
Operator : UM/SJ
Sample : H3086-18RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGL2RE

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

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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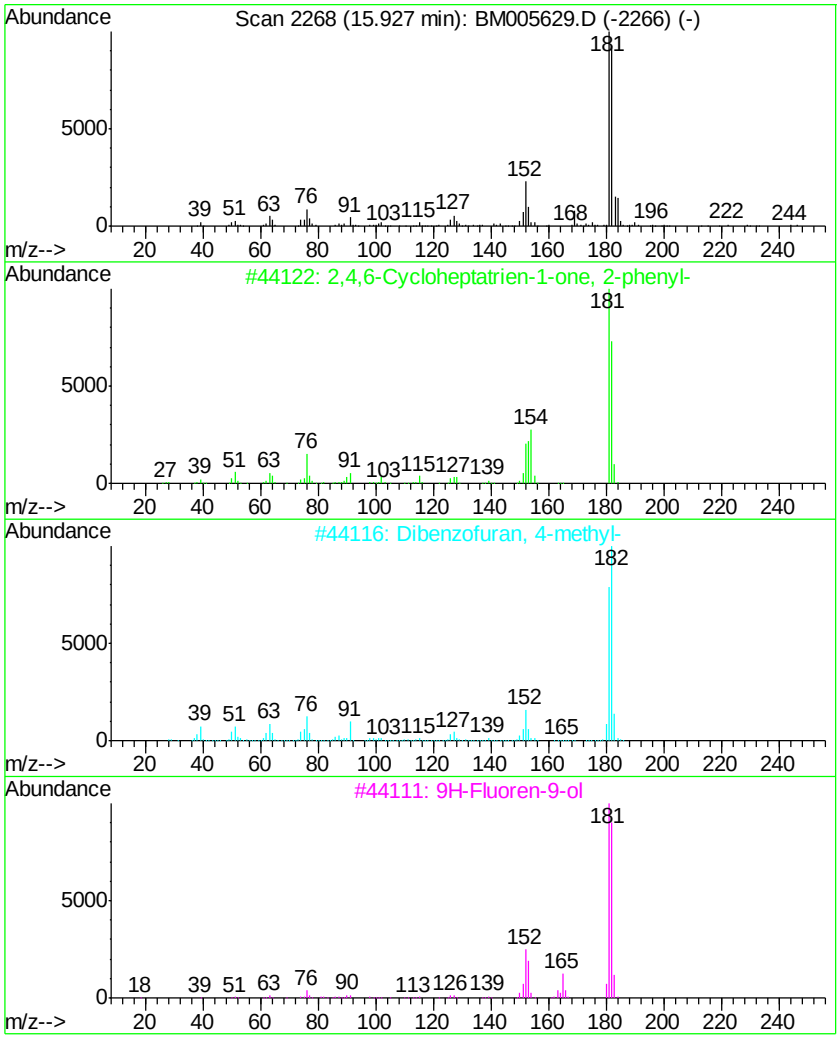
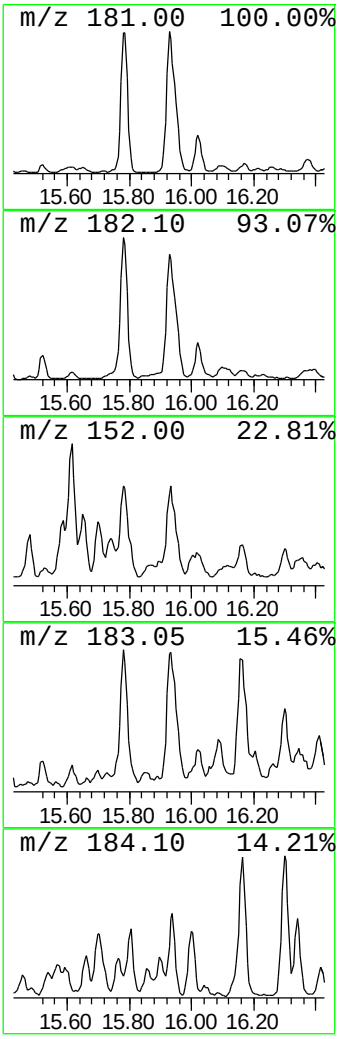
Peak Number 23 2,4,6-Cycloheptatrien-1-one... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	5.58 ng/ul	623992	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	68
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	64
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	53
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	53





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005629.D
Acq On : 24 May 2016 03:41
Operator : UM/SJ
Sample : H3086-18RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGL2RE

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

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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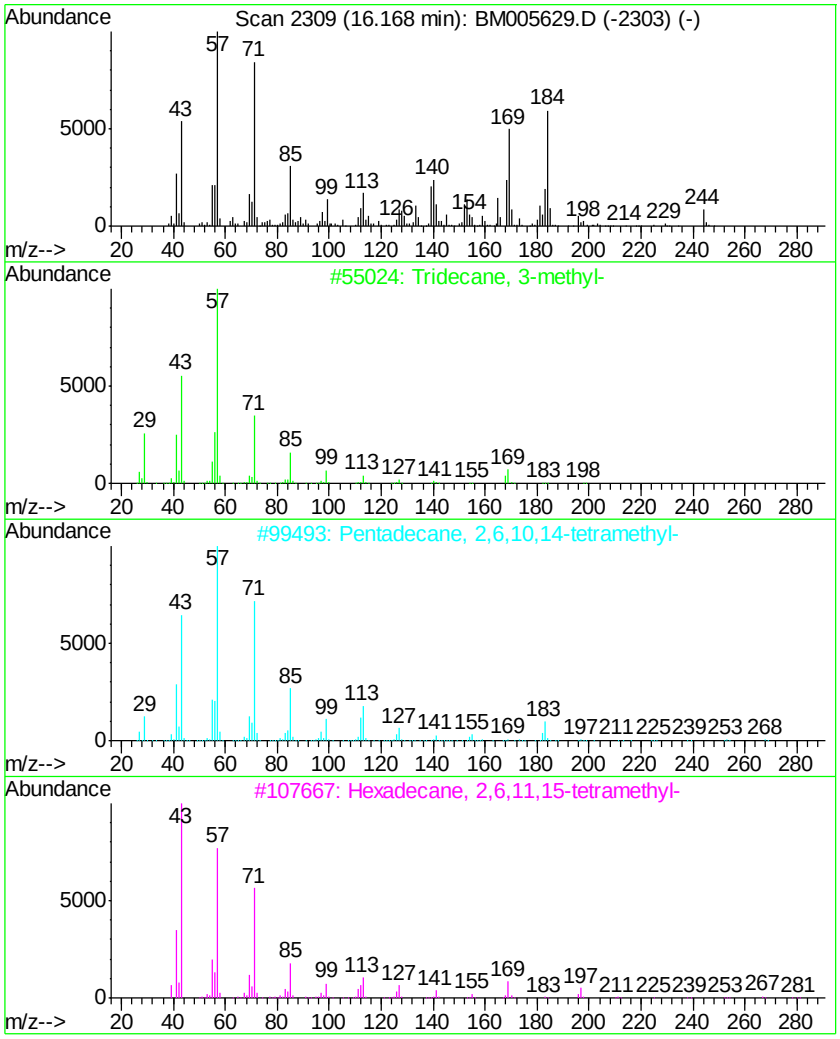
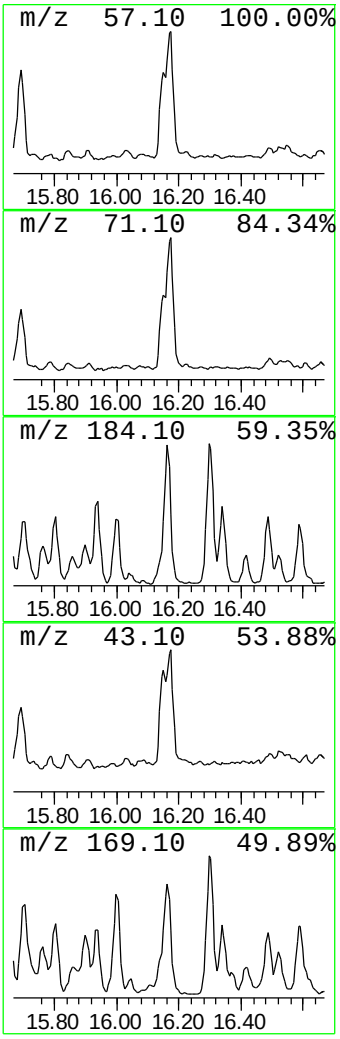
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.17	8.35 ng/ul	933518	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 3-methyl-	198	C14H30	006418-41-3	49
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	38
3	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	38
4	Azulene, 7-ethyl-1,4-dimethyl-	184	C14H16	000529-05-5	38
5	Hexadecane, 2,6,10-trimethyl-	268	C19H40	055000-52-7	38





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005629.D
Acq On : 24 May 2016 03:41
Operator : UM/SJ
Sample : H3086-18RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGL2RE

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

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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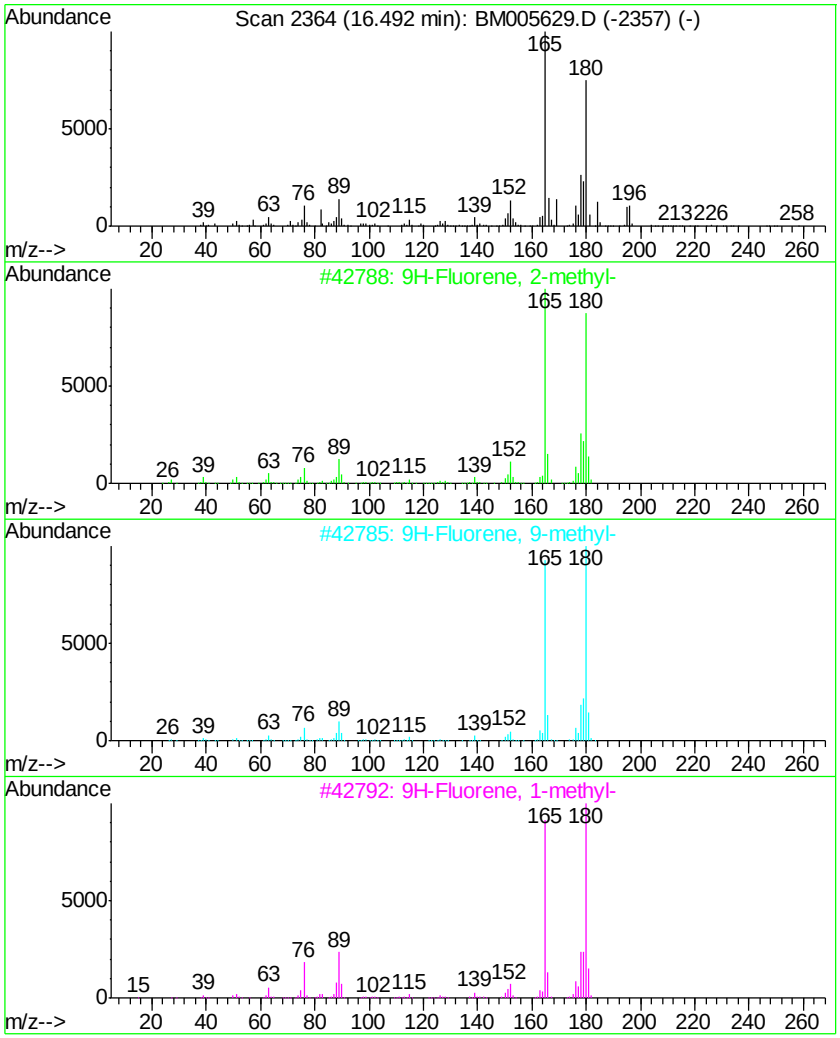
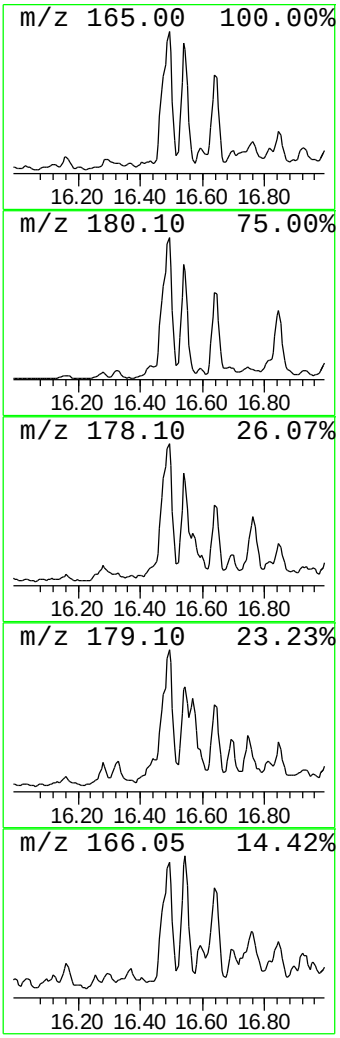
Peak Number 25 9H-Fluorene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	9.17 ng/ul	1026130	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	86
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	86
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	86
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	86





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
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Acq On : 24 May 2016 03:41
Operator : UM/SJ
Sample : H3086-18RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGL2RE

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

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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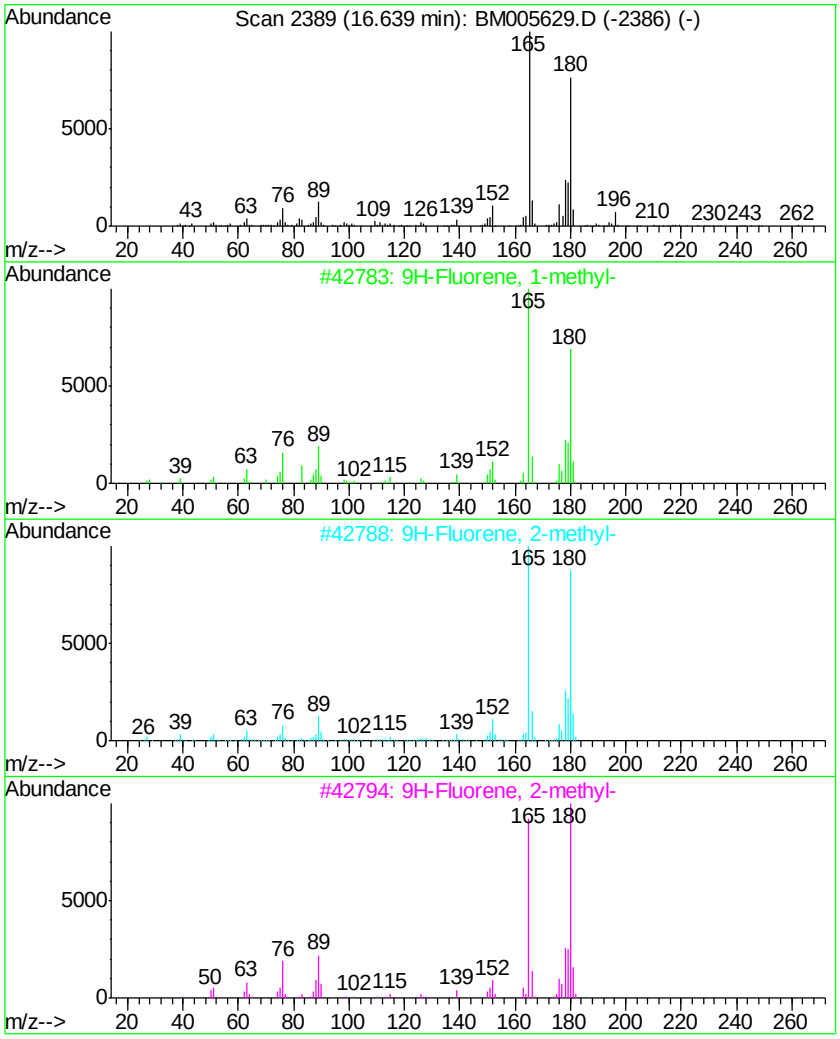
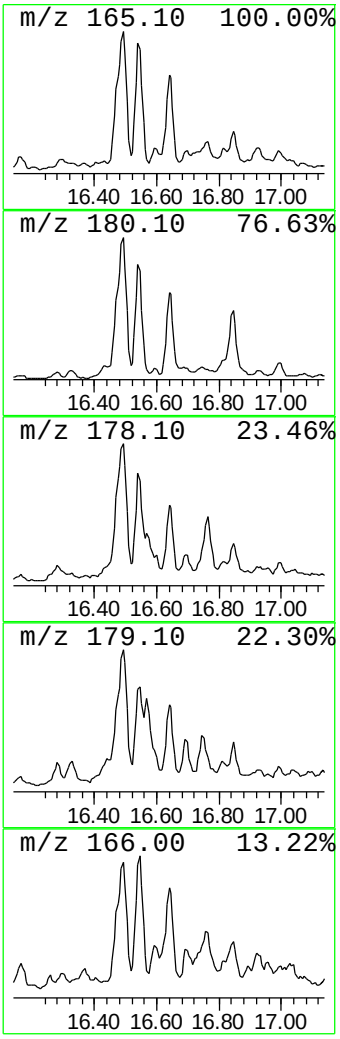
Peak Number 27 9H-Fluorene, 1-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.64	4.00 ng/ul	447348	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	91
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005629.D
Acq On : 24 May 2016 03:41
Operator : UM/SJ
Sample : H3086-18RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGL2RE

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

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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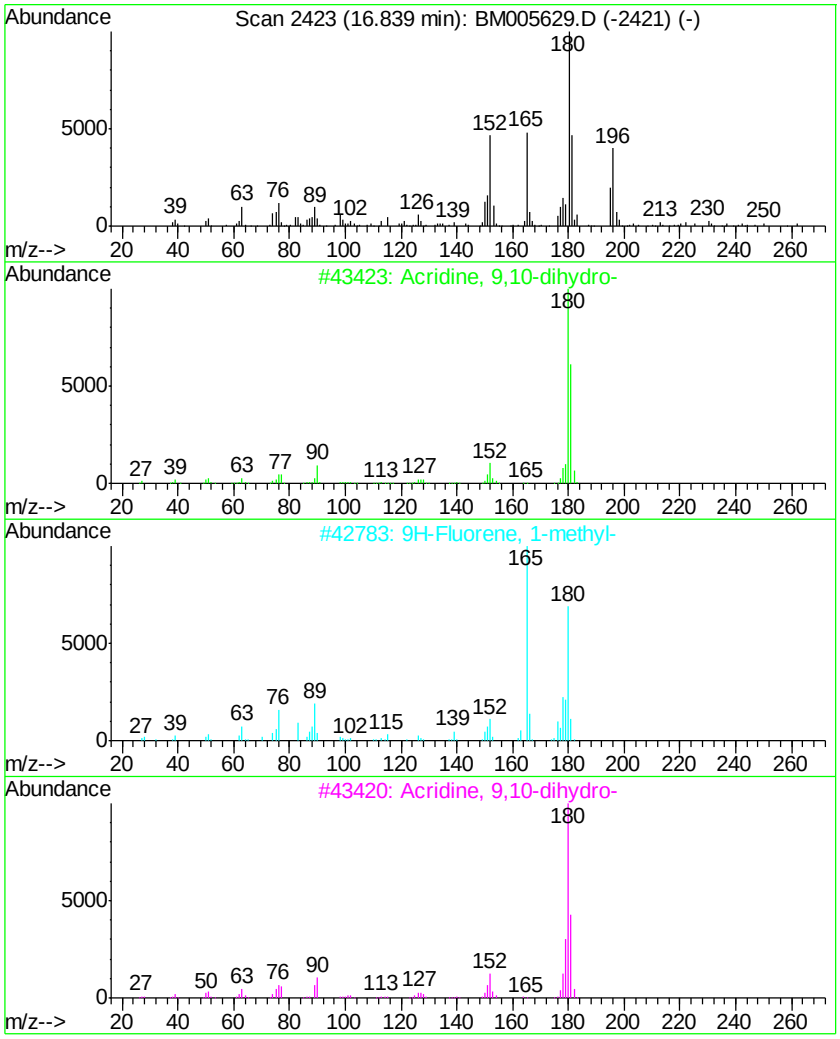
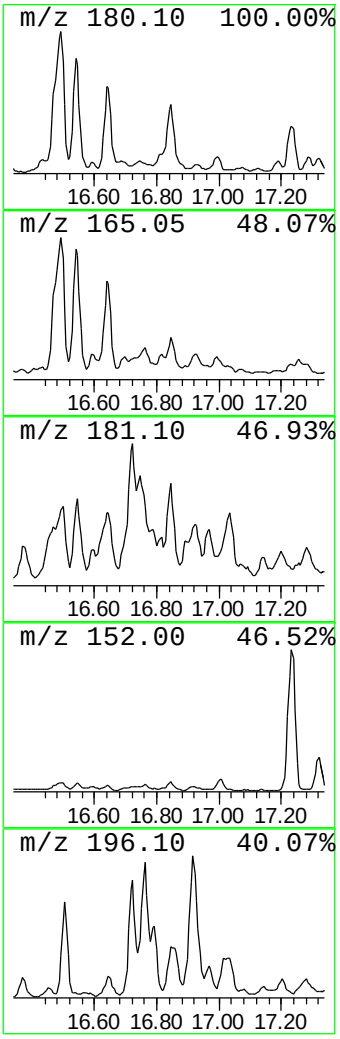
Peak Number 28 unknown-02 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.84	3.22 ng/ul	360405	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine, 9,10-dihydro-	181	C13H11N	000092-81-9	49
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	46
3	Acridine, 9,10-dihydro-	181	C13H11N	000092-81-9	46
4	1,1'-Biphenyl, 4-ethenyl-	180	C14H12	002350-89-2	46
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	43





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
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Acq On : 24 May 2016 03:41
Operator : UM/SJ
Sample : H3086-18RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGL2RE

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

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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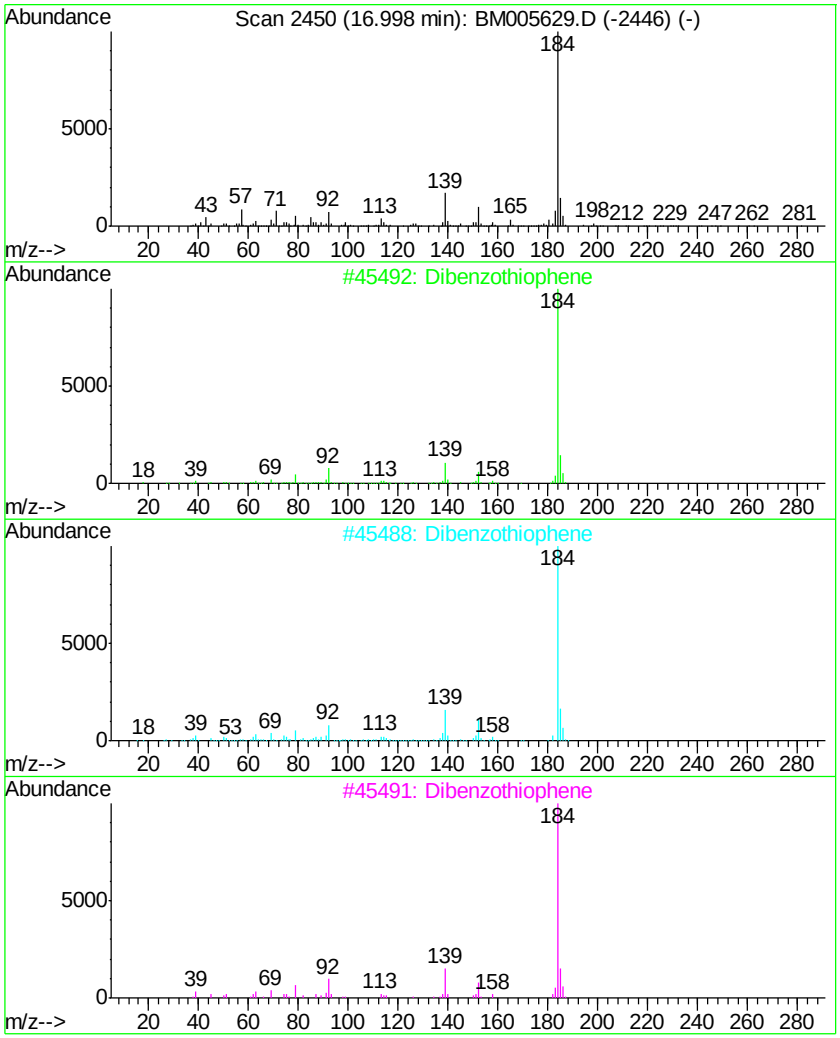
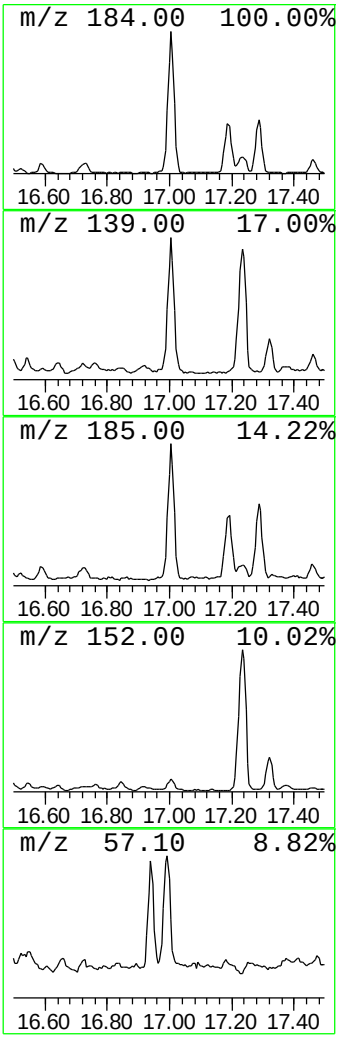
Peak Number 30 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.00	10.44 ng/ul	1167550	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
2	Dibenzothiophene	184	C12H8S	000132-65-0	93
3	Dibenzothiophene	184	C12H8S	000132-65-0	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Dibenzothiophene	184	C12H8S	000132-65-0	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052316\
Data File : BM005629.D
Acq On : 24 May 2016 03:41
Operator : UM/SJ
Sample : H3086-18RE
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : JHGL2RE

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

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Cyc...	7.72	3.8	ng/ul	305624	1	7.80	1593180	20.0
Cyclohexanone, 2-...	7.98	2.6	ng/ul	211424	1	7.80	1593180	20.0
Indene	8.35	5.1	ng/ul	408499	1	7.80	1593180	20.0
(DEL) Alkane: Cyc...	8.90	4.5	ng/ul	359951	1	7.80	1593180	20.0
(DEL) Alkane: Bra...	9.15	2.8	ng/ul	222930	1	7.80	1593180	20.0
(DEL) Alkane: Bra...	9.52	4.9	ng/ul	577048	2	10.60	2370680	20.0
(DEL) Alkane: Bra...	9.77	2.6	ng/ul	307330	2	10.60	2370680	20.0
Cycloprop[a]inden...	10.02	2.0	ng/ul	240562	2	10.60	2370680	20.0
(DEL) Alkane: Str...	11.62	2.9	ng/ul	341083	2	10.60	2370680	20.0
Naphthalene, 1-me...	12.47	6.5	ng/ul	775652	2	10.60	2370680	20.0
(DEL) Alkane: Str...	12.97	4.3	ng/ul	559960	3	14.44	2627960	20.0
Naphthalene, 1,7-...	13.62	3.5	ng/ul	459557	3	14.44	2627960	20.0
Naphthalene, 1,3-...	13.76	4.3	ng/ul	563974	3	14.44	2627960	20.0
Naphthalene, 2,3-...	14.00	3.0	ng/ul	396132	3	14.44	2627960	20.0
Naphthalene, 2,3,...	15.06	5.1	ng/ul	674233	3	14.44	2627960	20.0
Naphthalene, 1,6,...	15.26	2.8	ng/ul	369823	3	14.44	2627960	20.0
1H-Phenalene	15.32	2.2	ng/ul	289130	3	14.44	2627960	20.0
unknown-01	15.65	2.4	ng/ul	312281	3	14.44	2627960	20.0
9H-Fluoren-9-ol	15.78	5.1	ng/ul	669070	3	14.44	2627960	20.0
2,4,6-Cycloheptat...	15.93	5.6	ng/ul	623992	4	17.19	2237280	20.0
(DEL) Alkane: Str...	16.17	8.3	ng/ul	933518	4	17.19	2237280	20.0
9H-Fluorene, 2-me...	16.49	9.2	ng/ul	1026130	4	17.19	2237280	20.0
9H-Fluorene, 1-me...	16.64	4.0	ng/ul	447348	4	17.19	2237280	20.0
unknown-02	16.84	3.2	ng/ul	360405	4	17.19	2237280	20.0
Dibenzothiophene	17.00	10.4	ng/ul	1167550	4	17.19	2237280	20.0