LSC Area Percent Report

Data Path : U:\HPCHEM1\BNA M\DATA\BM012418\
Data File : BM013785.D
Acq On : 25 Jan 2018 01:25
Operator : SJ/JU
Sample : J1222-09DL 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A82DL

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\SOM-EPA-BM011018.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	4.440	242	247	254	rBV	39932	62778	2.90%	0.192%
2	4.757	296	301	313	rVB	683254	919696	42.46%	2.816%
3	5.957	497	505	511	rBV	1304099	2165841	100.00%	6.632%
4	6.787	642	646	656	rVB5	47090	108854	5.03%	0.333%
5	6.946	667	673	684	rBV	43298	76241	3.52%	0.233%
6	7.134	698	705	714	rBV2	56677	100032	4.62%	0.306%
7	7.593	775	783	793	rBV	539465	850226	39.26%	2.603%
8	7.834	817	824	833	rVB	92448	157248	7.26%	0.482%
9	8.081	860	866	871	rBV3	26886	43531	2.01%	0.133%
10	8.228	886	891	897	rBV6	27187	58421	2.70%	0.179%
11	8.316	901	906	915	rBV5	46825	100632	4.65%	0.308%
12	8.757	975	981	986	rBV	52532	103083	4.76%	0.316%
13	8.810	986	990	996	rVB2	72978	105261	4.86%	0.322%
14	9.469	1099	1102	1109	rVB7	34911	61063	2.82%	0.187%
15	10.010	1190	1194	1200	rBV4	52898	101444	4.68%	0.311%
16	10.263	1229	1237	1245	rBV	55475	109725	5.07%	0.336%
17	10.369	1245	1255	1261	rVV	712086	1372085	63.35%	4.201%
18	10.422	1261	1264	1270	rVV2	77898	135534	6.26%	0.415%
19	10.534	1278	1283	1289	rVV5	64640	123347	5.70%	0.378%
20	11.210	1392	1398	1405	rVB9	20051	43194	1.99%	0.132%
21	11.286	1405	1411	1416	rBV8	48956	89947	4.15%	0.275%
22	11.392	1425	1429	1433	rBV2	68032	108943	5.03%	0.334%
23	11.475	1438	1443	1449	rVB5	27350	62903	2.90%	0.193%
24	11.798	1493	1498	1503	rVV	225472	337739	15.59%	1.034%
25	12.039	1530	1539	1547	rVB	332823	580248	26.79%	1.777%
26	12.163	1556	1560	1564	rBV7	23117	41387	1.91%	0.127%
27	12.263	1567	1577	1582	rVV2	188837	386032	17.82%	1.182%
28	12.445	1601	1608	1612	rBV10	22826	55452	2.56%	0.170%
29	12.492	1612	1616	1624	rVB9	29328	67189	3.10%	0.206%
30	12.628	1636	1639	1651	rVB7	49117	99569	4.60%	0.305%
31	12.716	1651	1654	1657	rBV5	38188	59098	2.73%	0.181%
32	12.775	1660	1664	1669	rVV2	96167	136315	6.29%	0.417%
33	12.828	1669	1673	1680	rVB8	24753	51157	2.36%	0.157%
34	13.069	1707	1714	1721	rBV	371654	532415	24.58%	1.630%

LSC Area Percent Report

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Acq On : 25 Jan 2018 01:25
Operator : SJ/JU
Sample : J1222-09DL 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A82DL

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\SOM-EPA-BM011018.M
Title : SVOA CALIBRATION

35	13.163	1725	1730	1736	rBV5	37023	70174	3.24%	0.215%
36	13.222	1736	1740	1744	rBV3	41266	63591	2.94%	0.195%
37	13.269	1744	1748	1751	rBV	91850	148937	6.88%	0.456%
38	13.404	1763	1771	1772	rBV2	260015	389814	18.00%	1.194%
39	13.563	1791	1798	1803	rBV3	355958	674888	31.16%	2.067%
40	13.616	1803	1807	1811	rVV	228442	414002	19.12%	1.268%
41	13.663	1812	1815	1820	rVV	155615	241969	11.17%	0.741%
42	13.727	1820	1826	1830	rVV3	147982	278839	12.87%	0.854%
43	13.775	1830	1834	1835	rVV3	82240	96191	4.44%	0.295%
44	13.798	1836	1838	1842	rVV	133985	189782	8.76%	0.581%
45	13.833	1842	1844	1850	rVB5	46770	89471	4.13%	0.274%
46	13.933	1857	1861	1865	rBV	148510	227542	10.51%	0.697%
47	13.969	1865	1867	1874	rVB3	98358	123347	5.70%	0.378%
48	14.151	1893	1898	1903	rBV	465580	602184	27.80%	1.844%
49	14.245	1905	1914	1920	rVV5	1005381	1887643	87.16%	5.780%
50	14.304	1920	1924	1928	rVV3	87423	161997	7.48%	0.496%
51	14.339	1928	1930	1934	rVV5	57213	72771	3.36%	0.223%
52	14.380	1934	1937	1944	rVB5	51508	94527	4.36%	0.289%
53	14.463	1944	1951	1960	rBV3	147953	416239	19.22%	1.275%
54	14.539	1960	1964	1971	rVV6	51754	105808	4.89%	0.324%
55	14.604	1971	1975	1976	rVV4	58629	78910	3.64%	0.242%
56	14.651	1979	1983	1989	rVV3	221535	367196	16.95%	1.124%
57	14.727	1989	1996	2000	rVV4	160319	257911	11.91%	0.790%
58	14.774	2000	2004	2013	rVB4	123020	219870	10.15%	0.673%
59	14.880	2013	2022	2026	rBV6	144103	385392	17.79%	1.180%
60	14.921	2026	2029	2033	rVB	103289	144911	6.69%	0.444%
61	15.039	2042	2049	2053	rBV6	88712	211619	9.77%	0.648%
62	15.074	2053	2055	2057	rVV3	61171	68447	3.16%	0.210%
63	15.110	2057	2061	2065	rVB	520175	607364	28.04%	1.860%
64	15.210	2074	2078	2080	rBV5	37950	56425	2.61%	0.173%
65	15.245	2080	2084	2089	rVB	186654	251428	11.61%	0.770%
66	15.298	2089	2093	2097	rVB3	69261	98690	4.56%	0.302%
67	15.351	2097	2102	2106	rBV4	63780	109182	5.04%	0.334%
68	15.398	2106	2110	2111	rBV4	39501	56941	2.63%	0.174%
69	15.469	2118	2122	2124	rBV5	32306	48962	2.26%	0.150%
70	15.516	2126	2130	2134	rVB2	169245	246907	11.40%	0.756%
71	15.669	2152	2156	2160	rBV5	73782	126209	5.83%	0.386%

LSC Area Percent Report

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Sample : J1222-09DL 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A82DL

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

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Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Title : SVOA CALIBRATION

72	15.716	2161	2164	2170	rVV5	129433	215454	9.95%	0.660%
73	15.810	2177	2180	2186	rBV6	42020	74617	3.45%	0.228%
74	15.974	2204	2208	2216	rBV	568238	1030399	47.58%	3.155%
75	16.039	2216	2219	2224	rVB3	65045	83490	3.85%	0.256%
76	16.316	2259	2266	2269	rBV9	48159	93141	4.30%	0.285%
77	16.357	2270	2273	2279	rVB8	67879	126059	5.82%	0.386%
78	16.574	2308	2310	2314	rVB5	51124	59488	2.75%	0.182%
79	16.657	2318	2324	2333	rBV	1358011	2021711	93.35%	6.191%
80	16.768	2339	2343	2348	rBV	390707	486241	22.45%	1.489%
81	16.815	2348	2351	2361	rVB2	184890	339761	15.69%	1.040%
82	16.998	2377	2382	2387	rBV	1205184	1760177	81.27%	5.390%
83	17.039	2387	2389	2394	rVV	155372	218451	10.09%	0.669%
84	17.098	2394	2399	2404	rVB	220329	355729	16.42%	1.089%
85	17.233	2420	2422	2428	rVB6	42794	64679	2.99%	0.198%
86	17.415	2451	2453	2460	rVB7	35619	57008	2.63%	0.175%
87	17.504	2464	2468	2474	rVB	305249	392387	18.12%	1.202%
88	17.580	2479	2481	2490	rVB5	72722	111269	5.14%	0.341%
89	17.727	2502	2506	2511	rVB2	44944	77489	3.58%	0.237%
90	17.874	2529	2531	2534	rBV3	44500	63726	2.94%	0.195%
91	18.198	2582	2586	2596	rBV	234809	305981	14.13%	0.937%
92	18.804	2687	2689	2692	rBV2	51114	55909	2.58%	0.171%
93	18.839	2692	2695	2703	rVB2	198079	266968	12.33%	0.817%
94	19.074	2731	2735	2738	rBV	62159	87767	4.05%	0.269%
95	19.404	2787	2791	2799	rBV3	278311	581542	26.85%	1.781%
96	19.962	2883	2886	2891	rVB	115915	123267	5.69%	0.377%
97	20.462	2968	2971	2973	rBV3	78619	74474	3.44%	0.228%
98	21.198	3092	3096	3105	rBV	1560146	2023808	93.44%	6.197%
99	23.256	3442	3446	3456	rVB4	204069	471947	21.79%	1.445%
100	23.392	3464	3469	3476	rVB2	1072839	1941438	89.64%	5.945%

Sum of corrected areas: 32657087

Data Path : U:\HPCHEM1\BNA M\DATA\BM012418\
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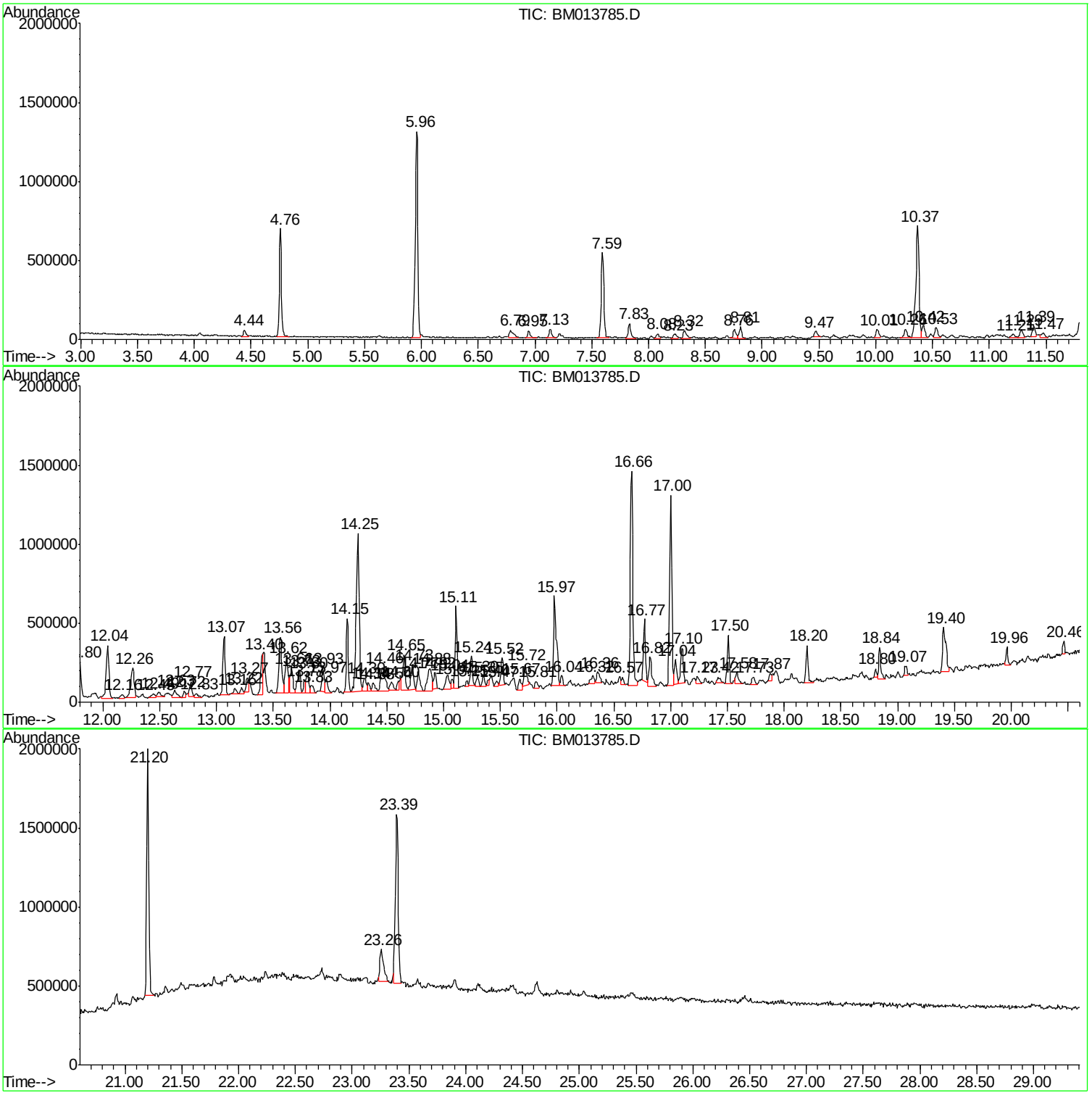
Operator : SJ/JU
Sample : J1222-09DL 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F6A82DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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



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Sample : J1222-09DL 5X
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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

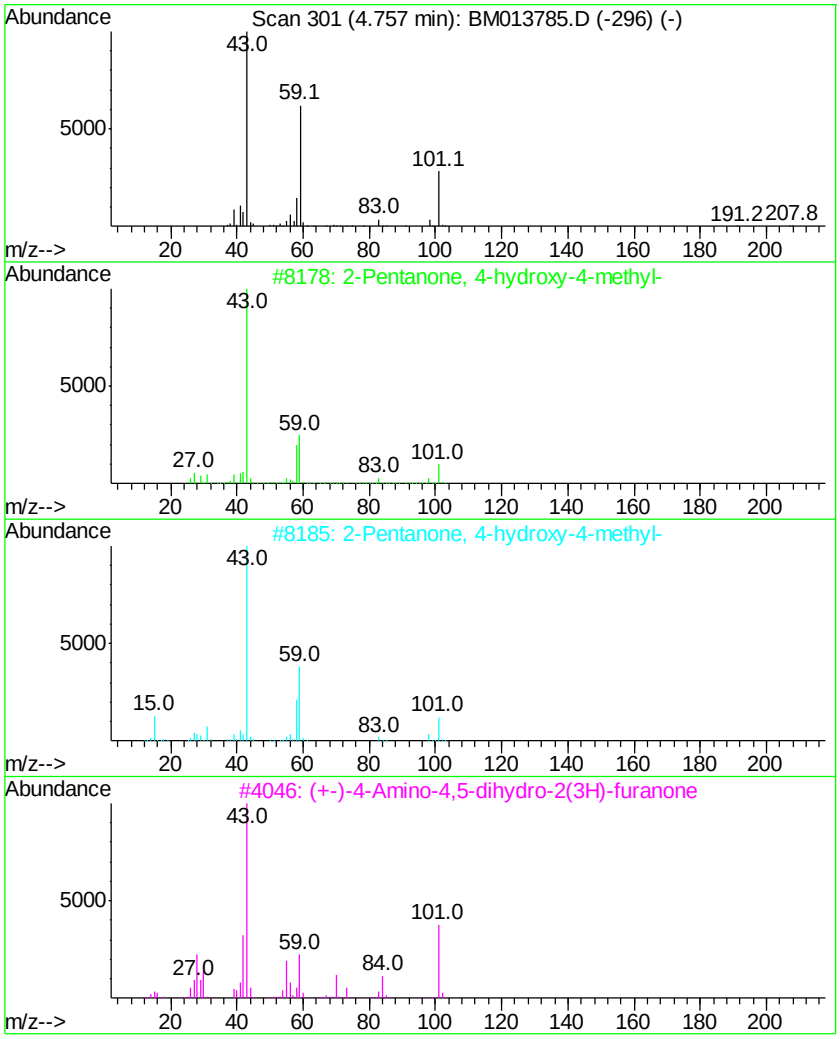
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

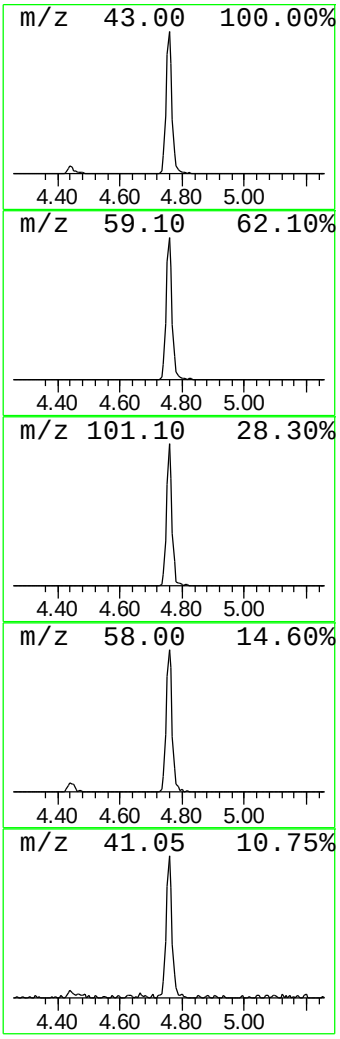
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.76	21.63 ng/ul	919696	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
3	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	37
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
5	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	25





Data Path : U:\HPCHEM1\BNA M\DATA\BM012418\
Data File : BM013785.D
Acq On : 25 Jan 2018 01:25
Operator : SJ/JU
Sample : J1222-09DL 5X
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Instrument : BNA_M
ClientSampleId : F6A82DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

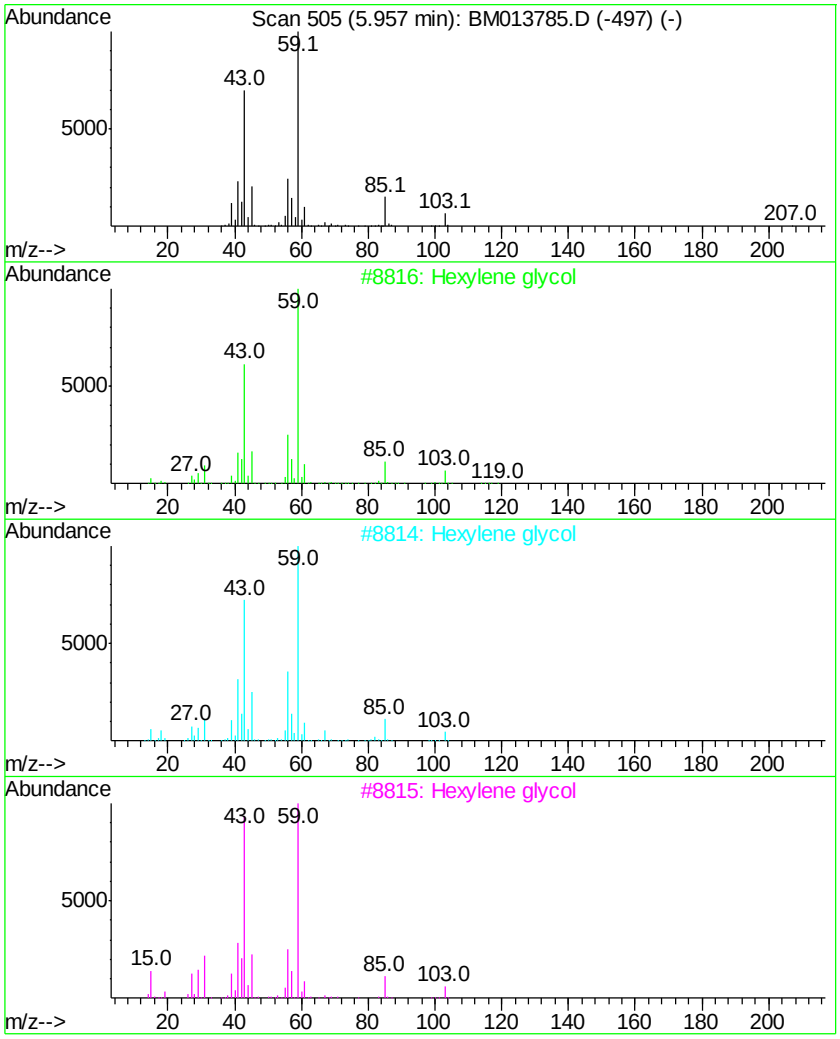
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

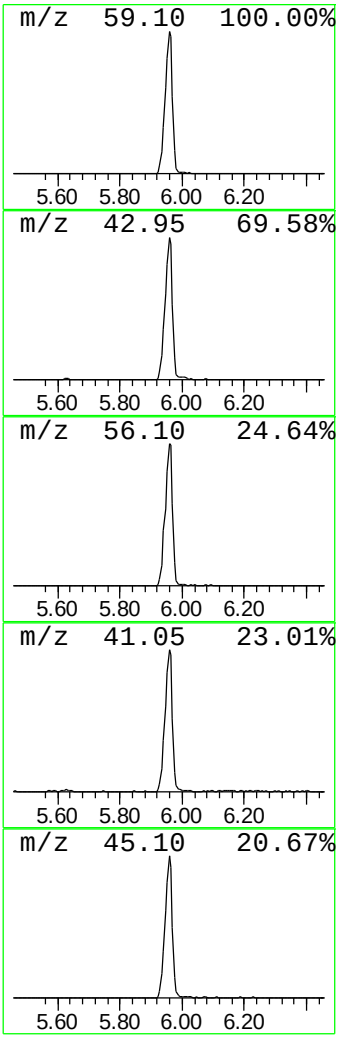
****

Peak Number 2 Hexylene glycol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.96	50.95 ng/ul	2165840	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexylene glycol	118	C6H14O2	000107-41-5	90
2	Hexylene glycol	118	C6H14O2	000107-41-5	83
3	Hexylene glycol	118	C6H14O2	000107-41-5	83
4	Oxetane, 2,2,4-trimethyl-	100	C6H12O	023120-44-7	72
5	Hexylene glycol	118	C6H14O2	000107-41-5	50





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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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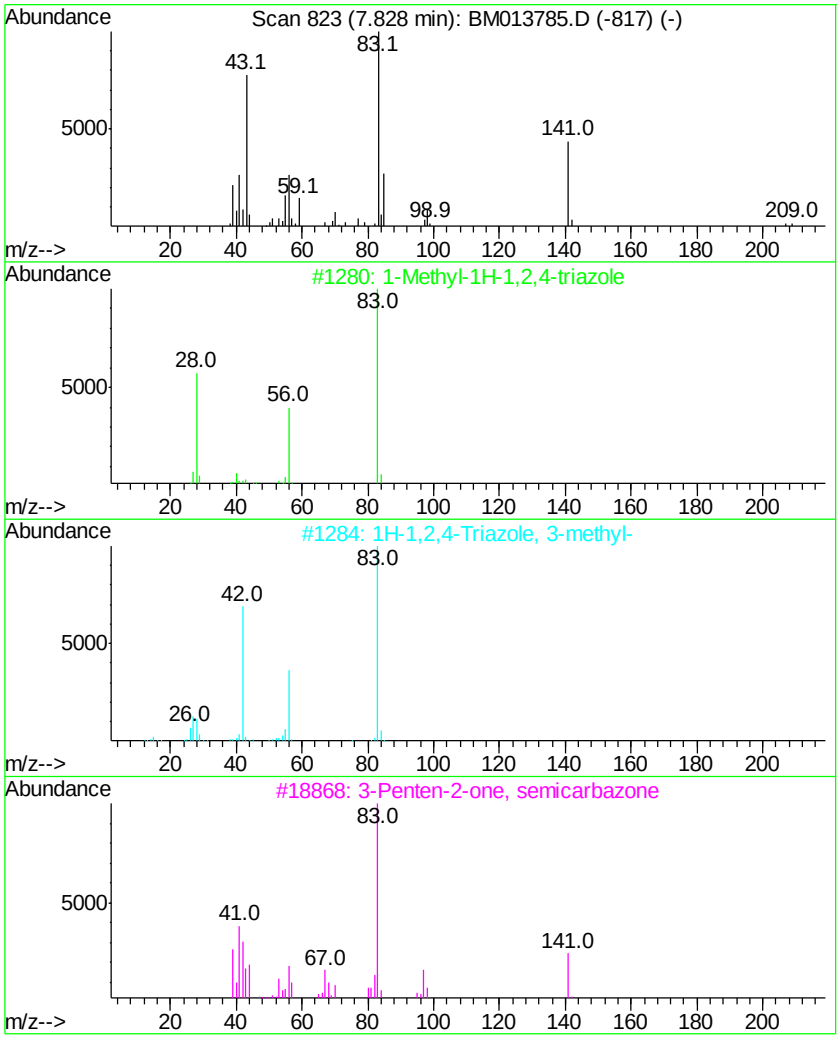
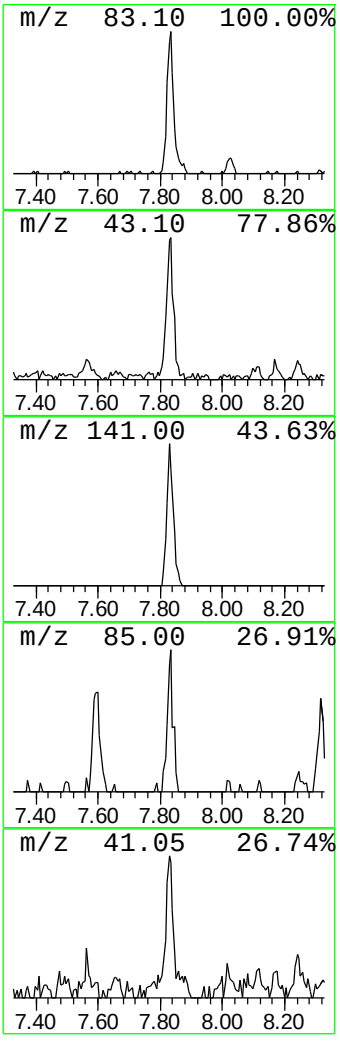
Peak Number 3 unknown-01 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.83	3.70 ng/ul	157248	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-1H-1,2,4-triazole	83	C3H5N3	006086-21-1	43
2	1H-1,2,4-Triazole, 3-methyl-	83	C3H5N3	007170-01-6	38
3	3-Penten-2-one, semicarbazone	141	C6H11N3O	016983-59-8	37
4	1H-Pyrazole, 4,5-dihydro-5,5-dim...	98	C5H10N2	004320-85-8	37
5	1H-Imidazol-2-amine	83	C3H5N3	007720-39-0	32





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Instrument : BNA_M
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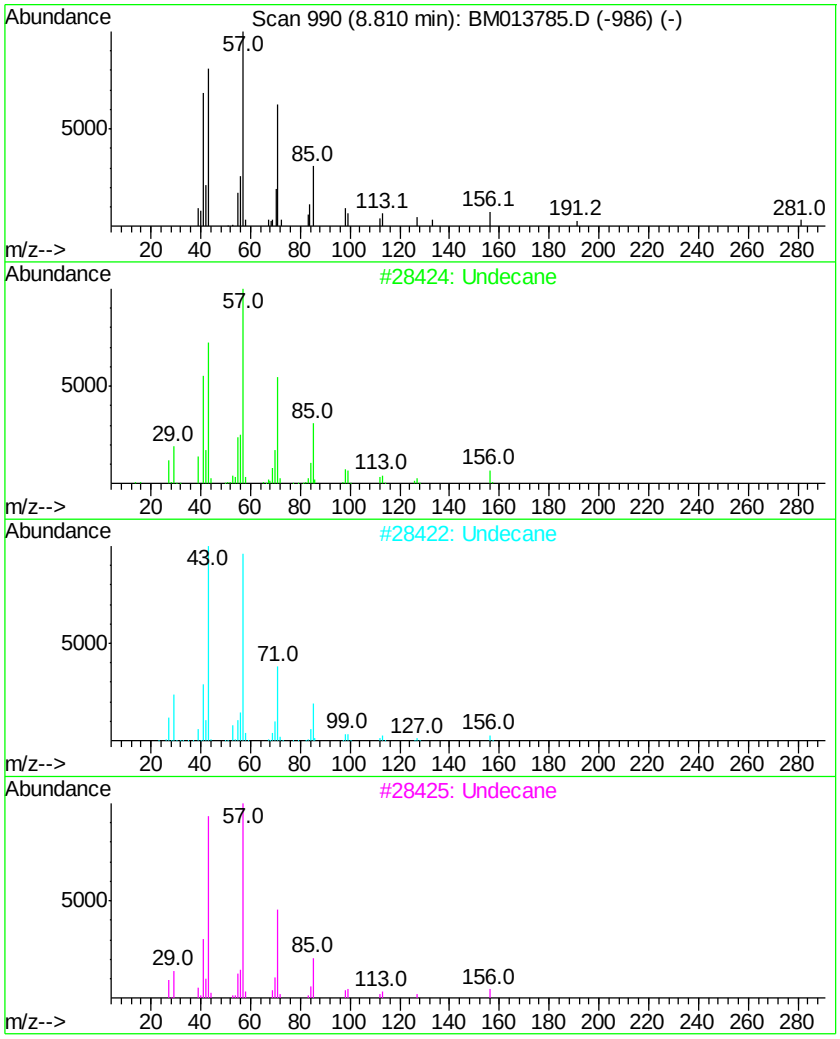
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

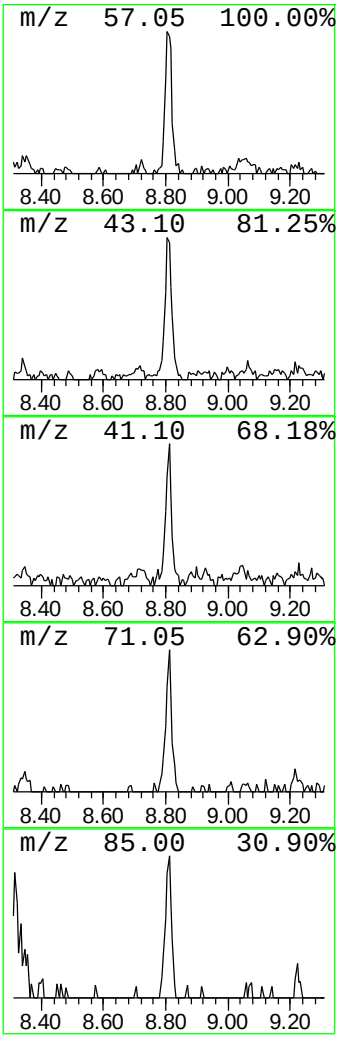
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.81	2.48 ng/ul	105261	1,4-Dichlorobenzene-d4	7.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	97
2	Undecane	156	C11H24	001120-21-4	87
3	Undecane	156	C11H24	001120-21-4	81
4	Decane	142	C10H22	000124-18-5	72
5	Undecane	156	C11H24	001120-21-4	68





Data Path : U:\HPCHEM1\BNA M\DATA\BM012418\
Data File : BM013785.D
Acq On : 25 Jan 2018 01:25
Operator : SJ/JU
Sample : J1222-09DL 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A82DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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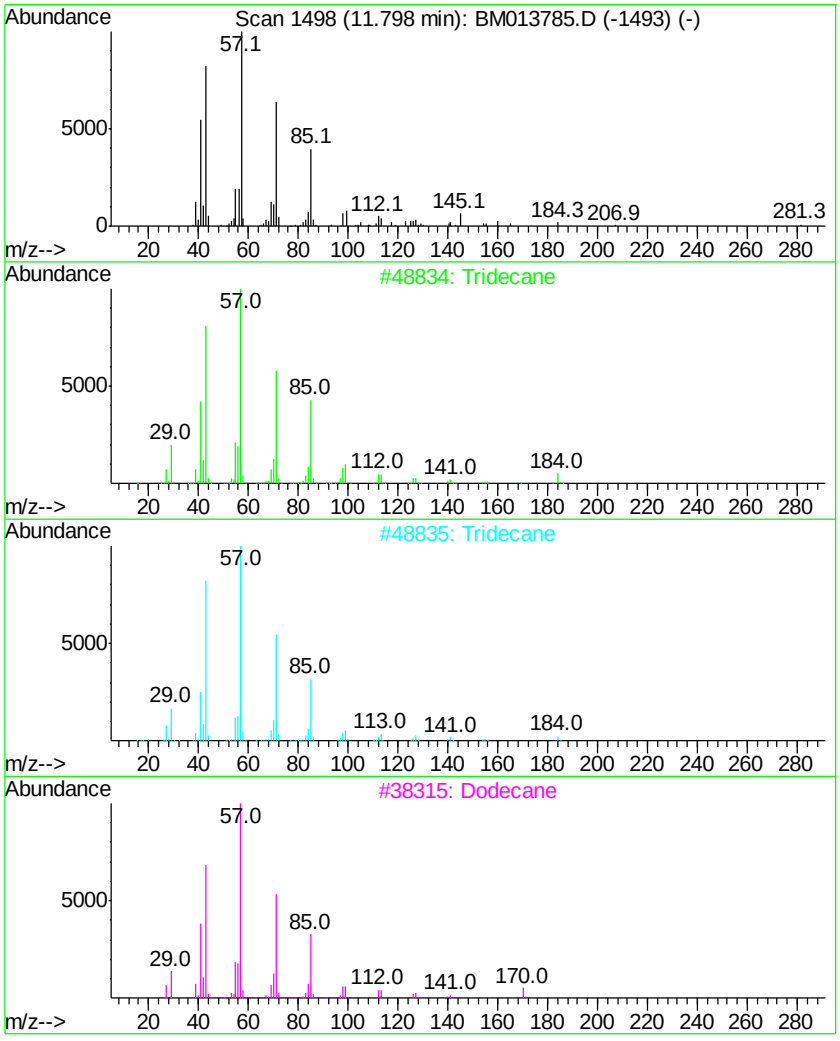
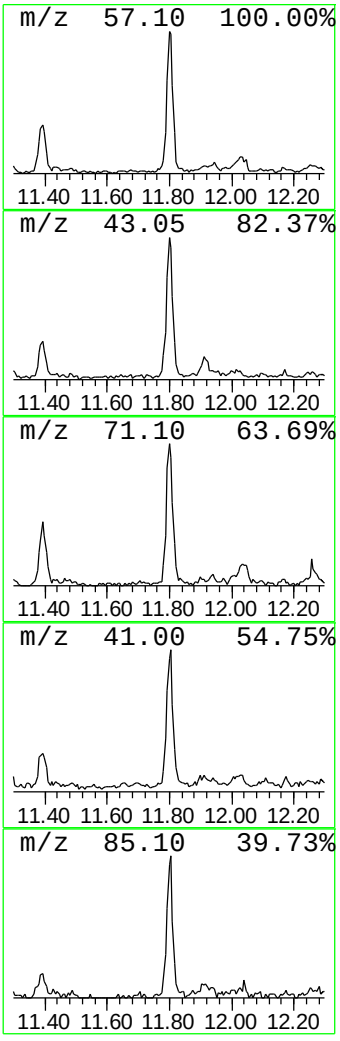
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	4.92 ng/ul	337739	Naphthalene-d8	10.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	97
2	Tridecane	184	C13H28	000629-50-5	93
3	Dodecane	170	C12H26	000112-40-3	90
4	Tetradecane	198	C14H30	000629-59-4	90
5	Dodecane	170	C12H26	000112-40-3	90





Data Path : U:\HPCHEM1\BNA M\DATA\BM012418\
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Acq On : 25 Jan 2018 01:25
Operator : SJ/JU
Sample : J1222-09DL 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A82DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

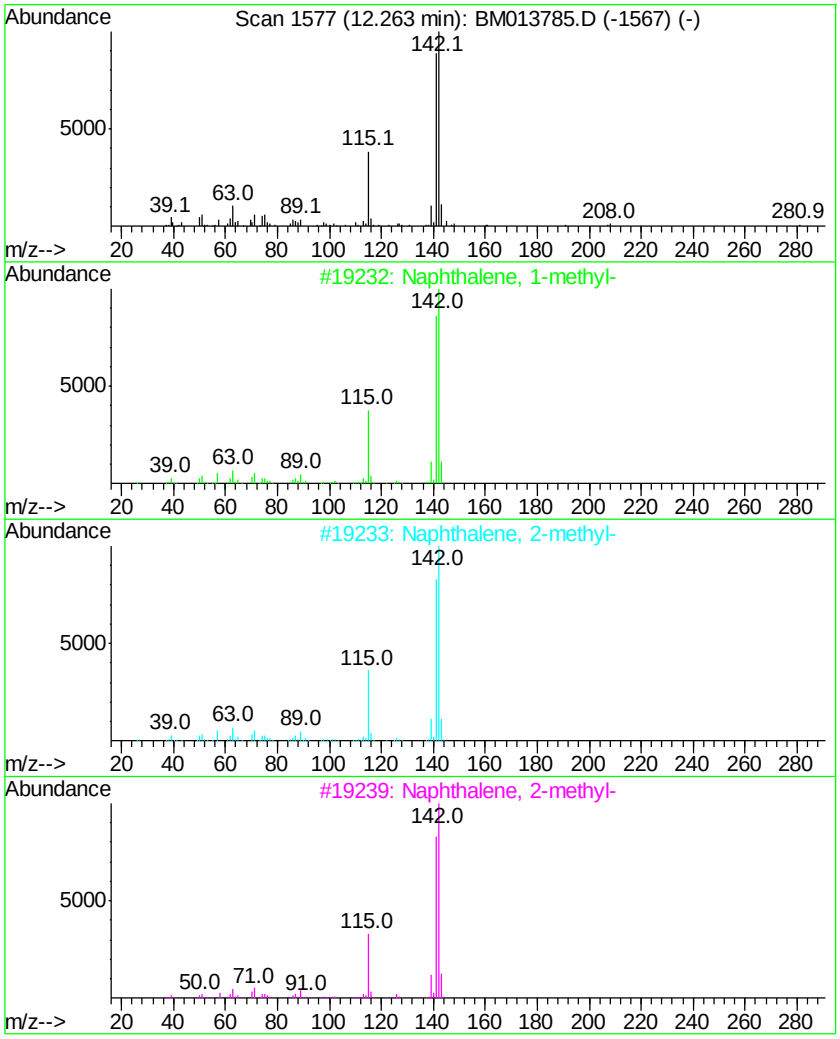
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

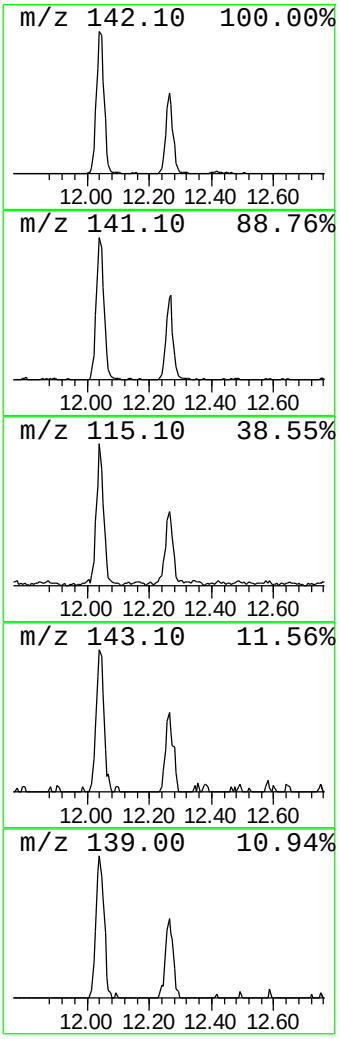
****

Peak Number 6 Naphthalene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	5.63 ng/ul	386032	Naphthalene-d8	10.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





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Sample : J1222-09DL 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A82DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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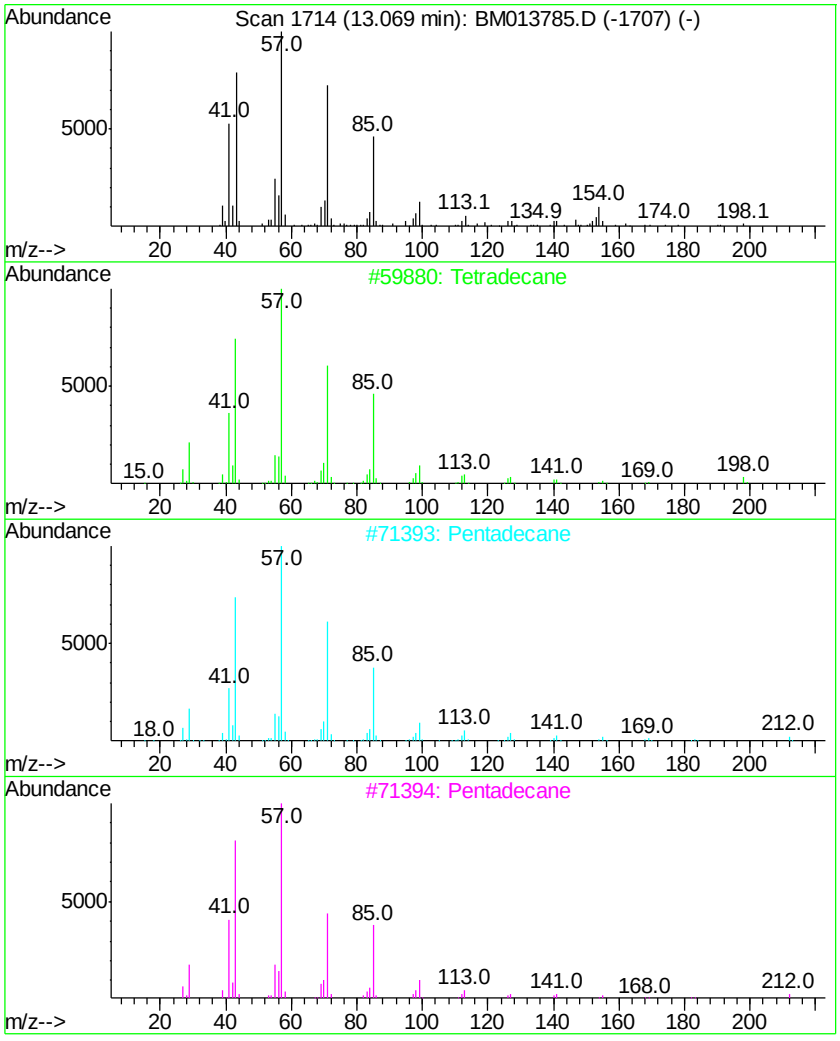
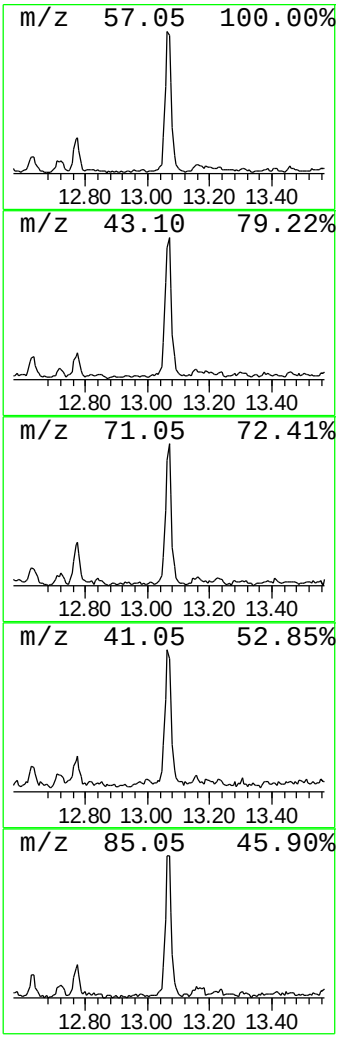
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	5.64 ng/ul	532415	Acenaphthene-d10	14.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	83
2	Pentadecane	212	C15H32	000629-62-9	80
3	Pentadecane	212	C15H32	000629-62-9	80
4	Tetradecane	198	C14H30	000629-59-4	80
5	Heptadecane	240	C17H36	000629-78-7	72





Library Search Compound Report

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Operator : SJ/JU
Sample : J1222-09DL 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A82DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

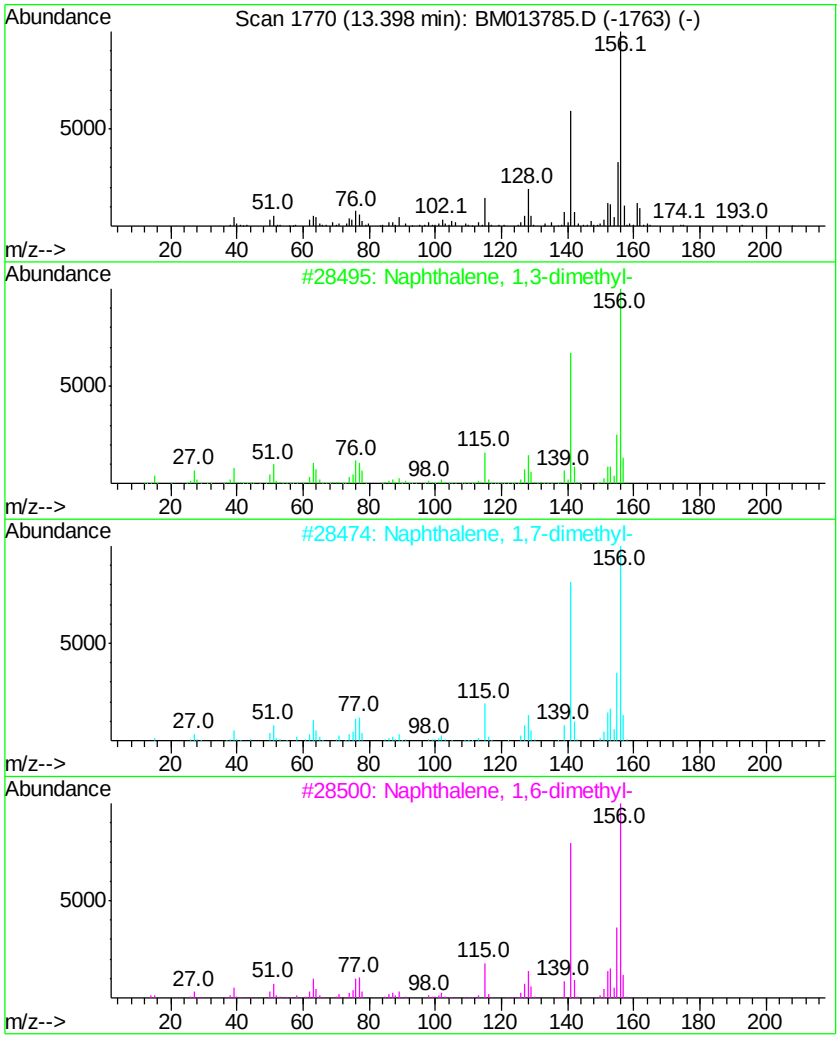
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

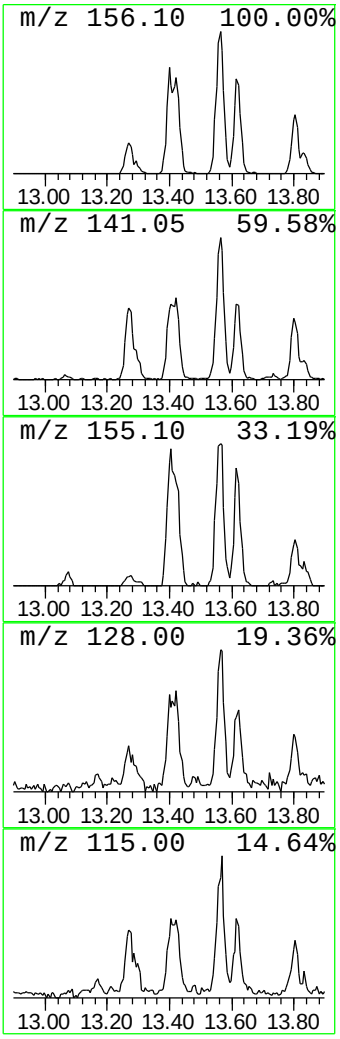
****

Peak Number 8 Naphthalene, 1,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.40	4.13 ng/ul	389814	Acenaphthene-d10	14.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	93
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93





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Acq On : 25 Jan 2018 01:25
Operator : SJ/JU
Sample : J1222-09DL 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A82DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

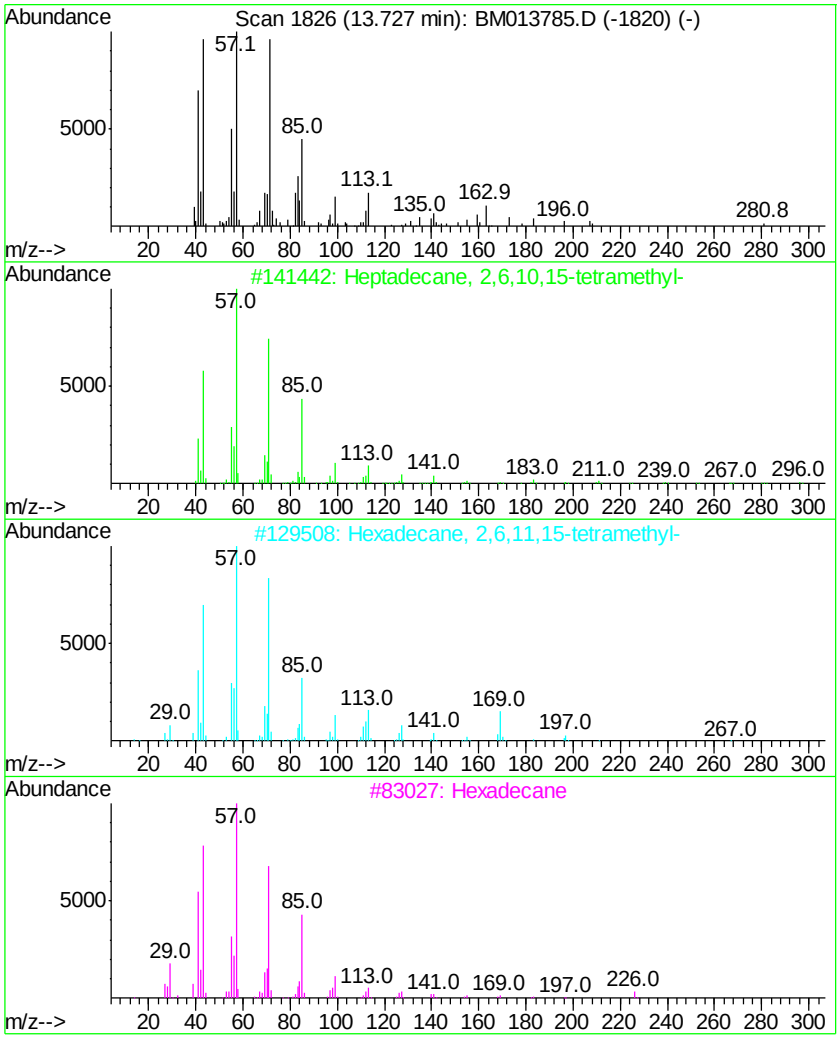
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

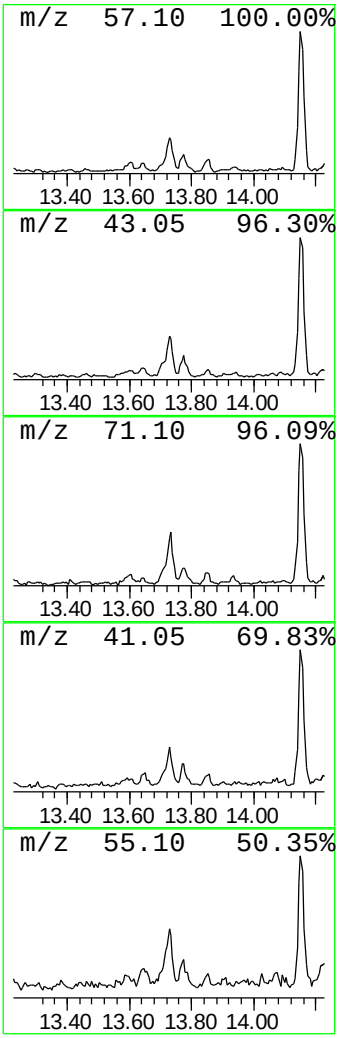
****

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	2.95 ng/ul	278839	Acenaphthene-d10	14.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	72
2	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	72
3	Hexadecane	226	C16H34	000544-76-3	72
4	Tetradecane	198	C14H30	000629-59-4	72
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72





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Acq On : 25 Jan 2018 01:25
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Sample : J1222-09DL 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A82DL

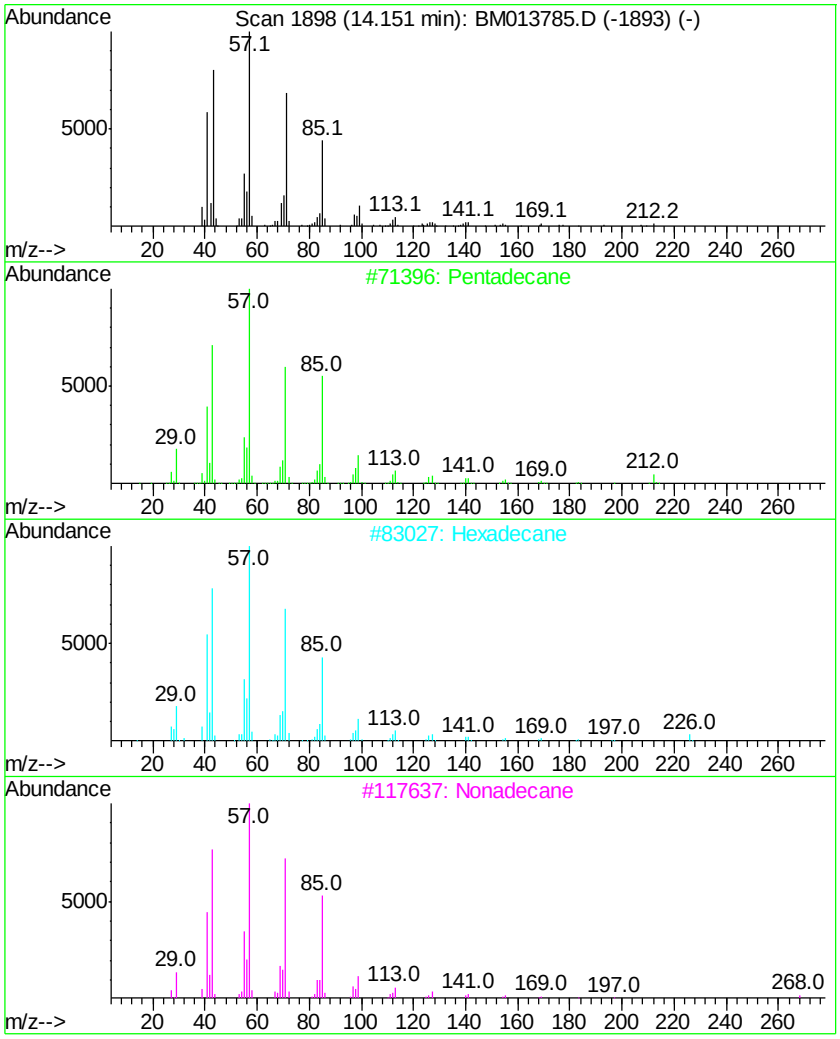
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

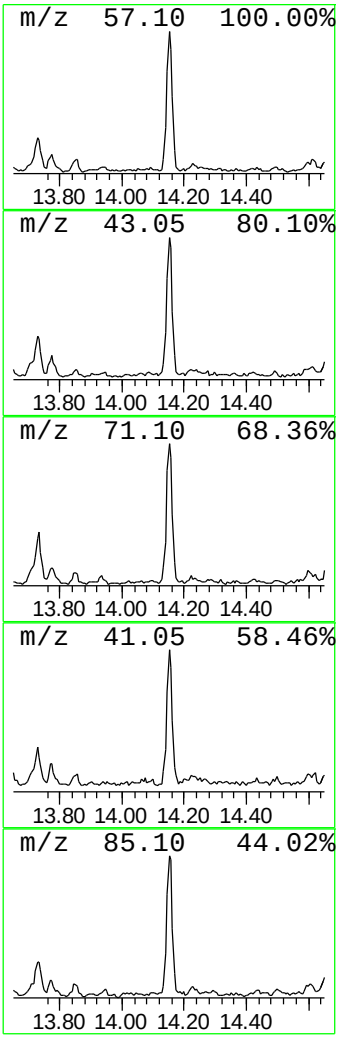
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.15	6.38 ng/ul	602184	Acenaphthene-d10	14.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	94
2	Hexadecane	226	C16H34	000544-76-3	91
3	Nonadecane	268	C19H40	000629-92-5	90
4	Hexadecane	226	C16H34	000544-76-3	87
5	Tridecane	184	C13H28	000629-50-5	86





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Acq On : 25 Jan 2018 01:25
Operator : SJ/JU
Sample : J1222-09DL 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A82DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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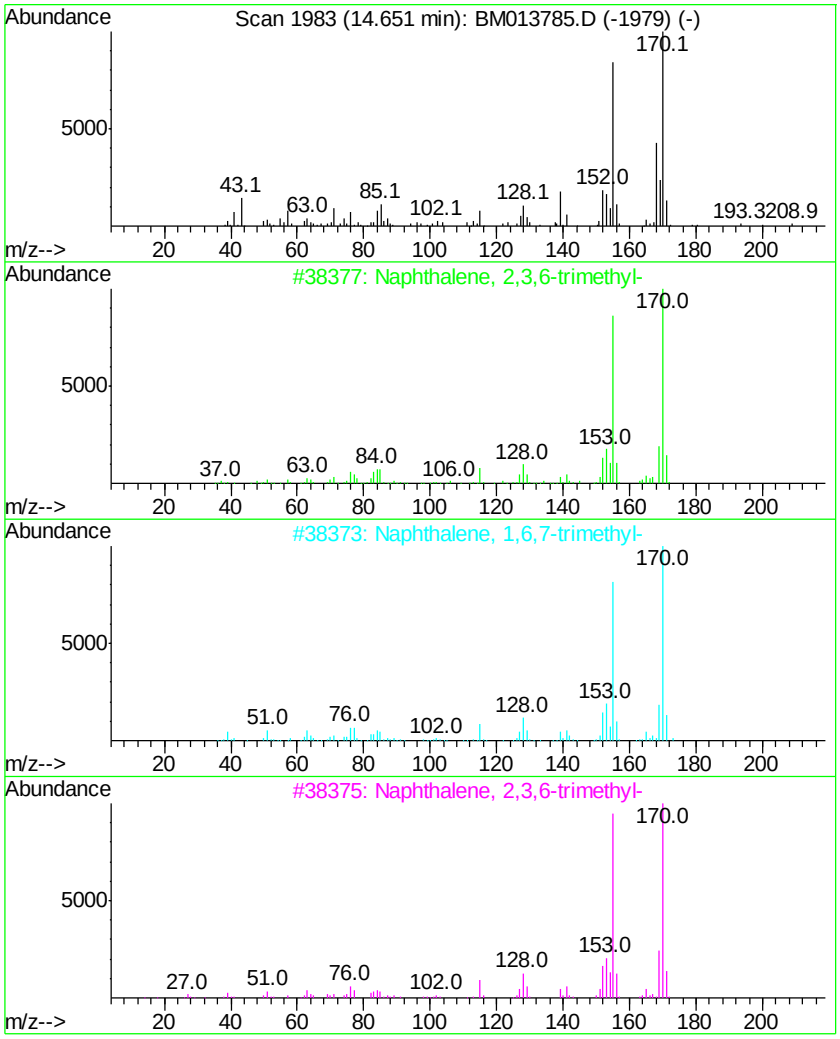
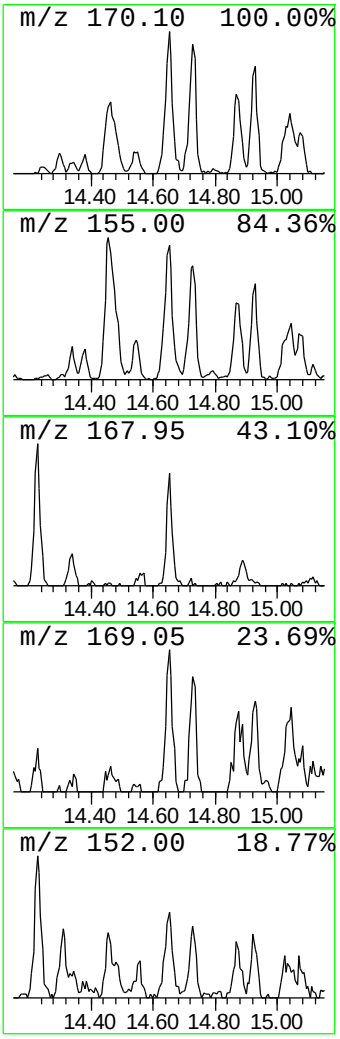
Peak Number 13 Naphthalene, 2,3,6-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.65	3.89 ng/ul	367196	Acenaphthene-d10	14.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	89





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Acq On : 25 Jan 2018 01:25
Operator : SJ/JU
Sample : J1222-09DL 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A82DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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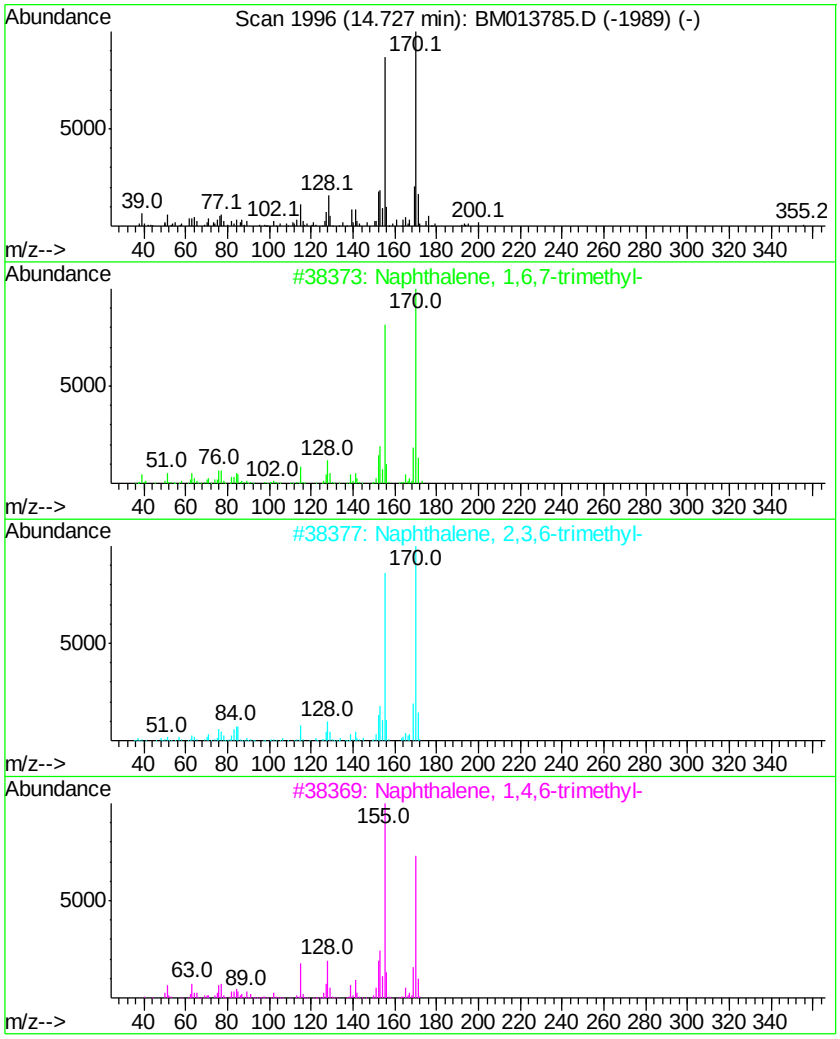
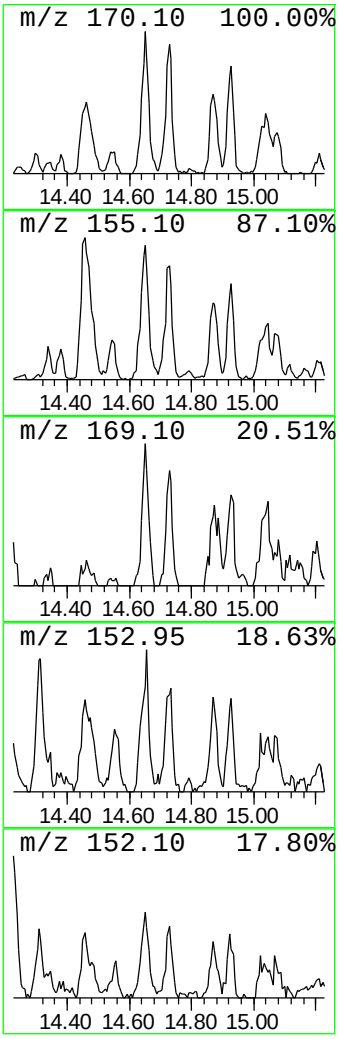
Peak Number 14 Naphthalene, 1,6,7-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	2.73 ng/ul	257911	Acenaphthene-d10	14.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93





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Acq On : 25 Jan 2018 01:25
Operator : SJ/JU
Sample : J1222-09DL 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A82DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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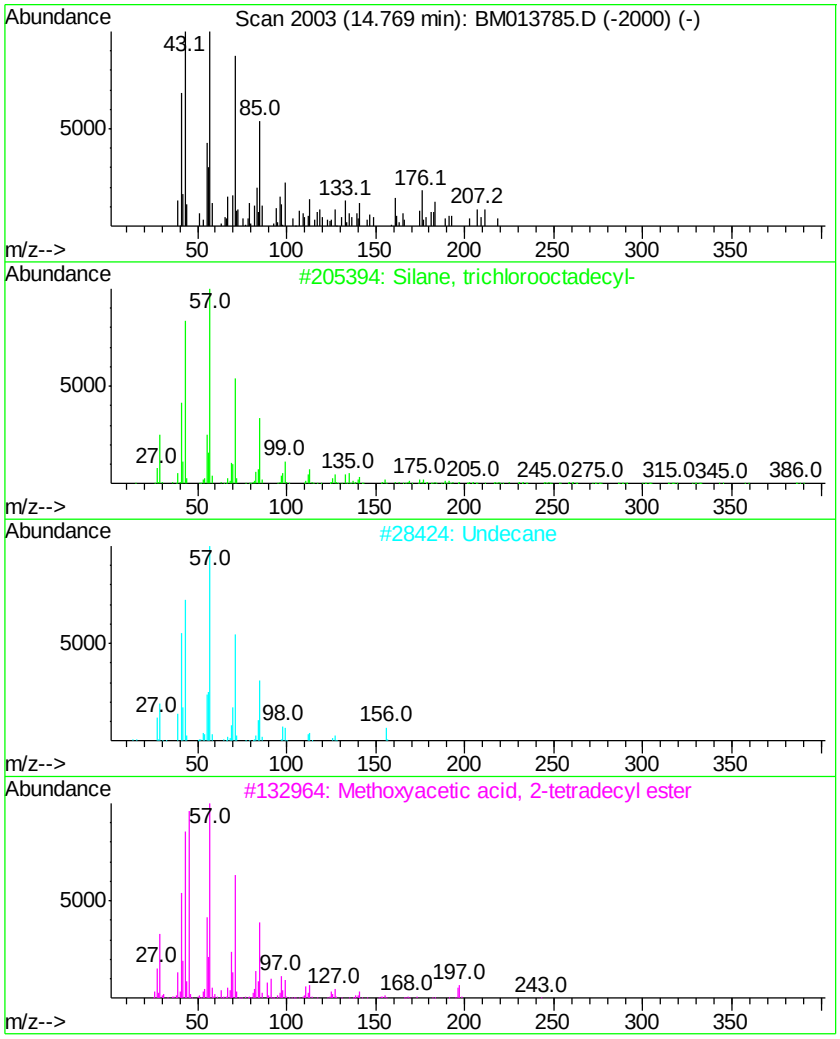
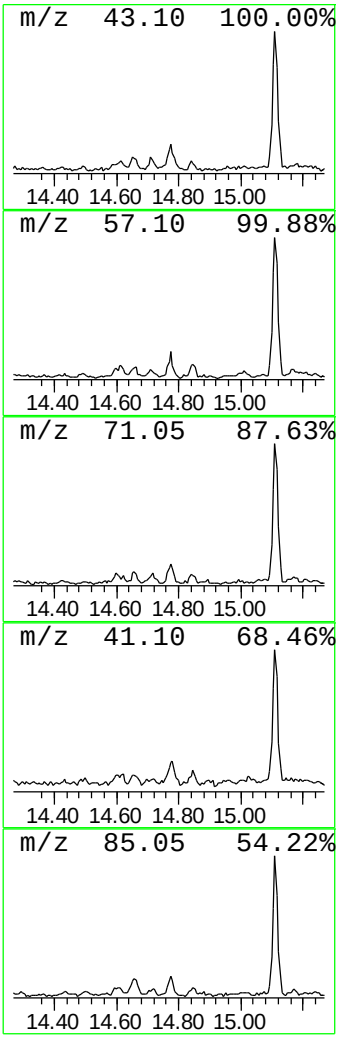
Peak Number 15 Silane, trichlorooctadecyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	2.33 ng/ul	219870	Acenaphthene-d10	14.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	50
2	Undecane	156	C11H24	001120-21-4	49
3	Methoxyacetic acid, 2-tetradecyl...	286	C17H34O3	1000282-04-8	49
4	Tetratetracontane	619	C44H90	007098-22-8	49
5	Hexacosane	366	C26H54	000630-01-3	47





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Operator : SJ/JU
Sample : J1222-09DL 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A82DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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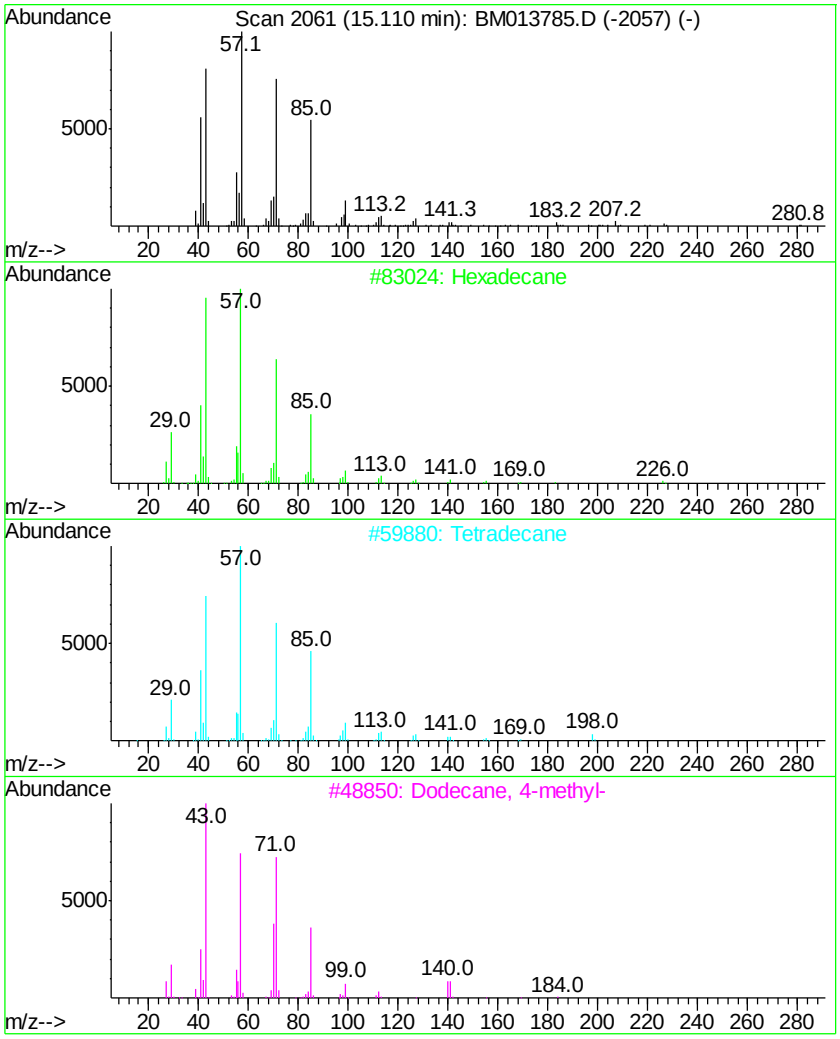
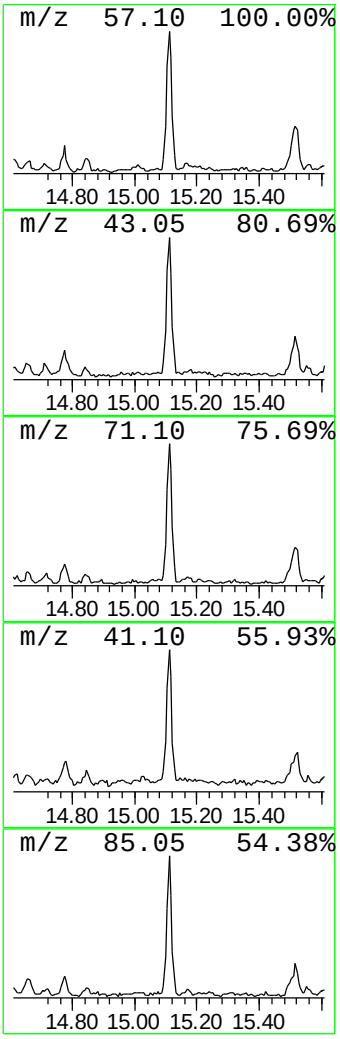
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.11	6.44 ng/ul	607364	Acenaphthene-d10	14.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	93
2	Tetradecane	198	C14H30	000629-59-4	91
3	Dodecane, 4-methyl-	184	C13H28	006117-97-1	90
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	90
5	Dodecane, 4-methyl-	184	C13H28	006117-97-1	87





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Operator : SJ/JU
Sample : J1222-09DL 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A82DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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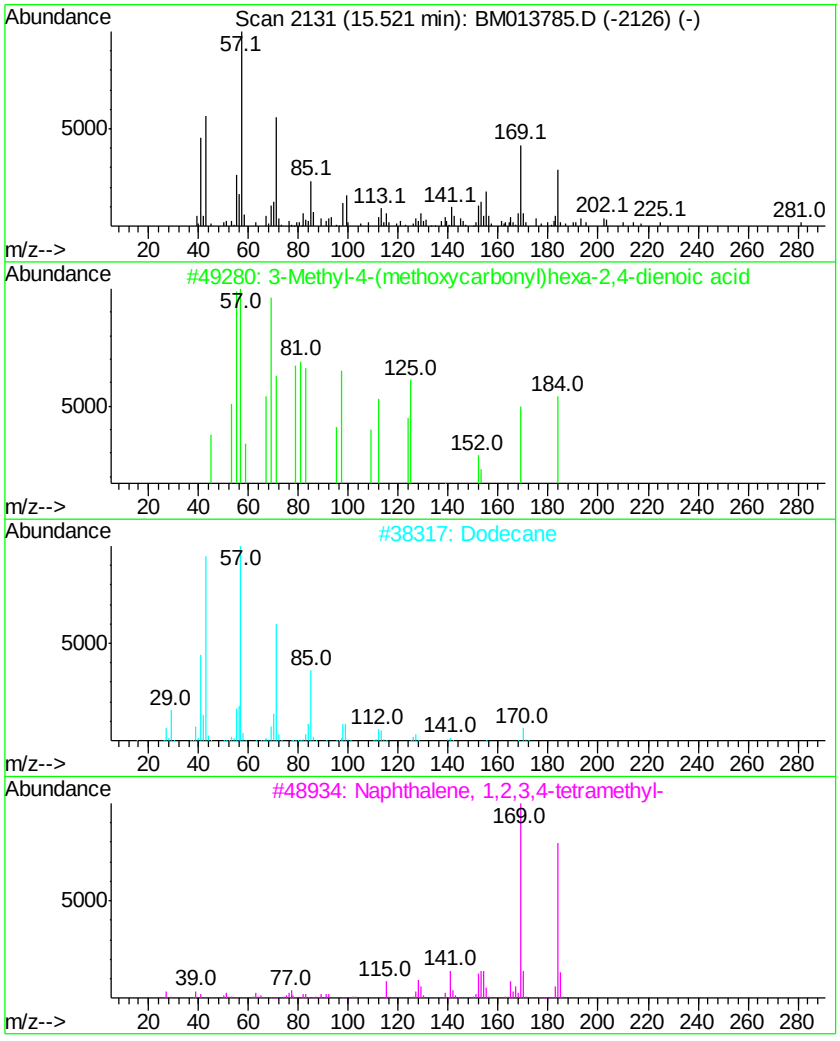
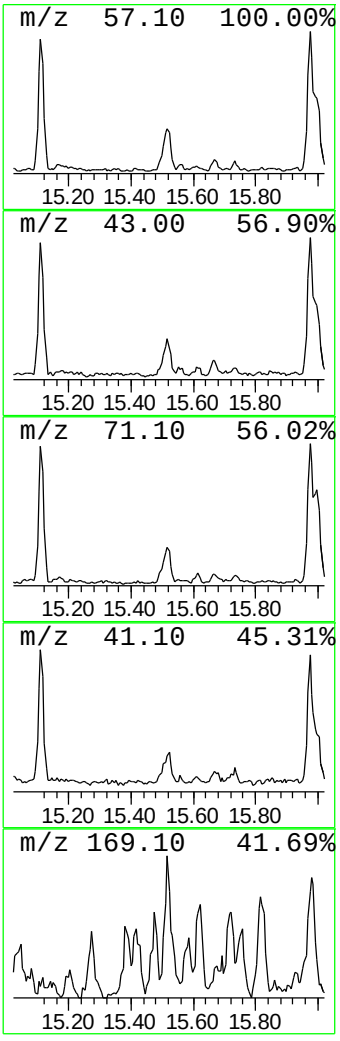
Peak Number 18 3-Methyl-4-(methoxycarbonyl... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.52	2.62 ng/ul	246907	Acenaphthene-d10	14.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	83
2	Dodecane	170	C12H26	000112-40-3	51
3	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	42
4	3,4,4-Trimethyl-5-methylene-2-et...	184	C9H16N2S	037120-36-8	41
5	Dodecane	170	C12H26	000112-40-3	38





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Operator : SJ/JU
Sample : J1222-09DL 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A82DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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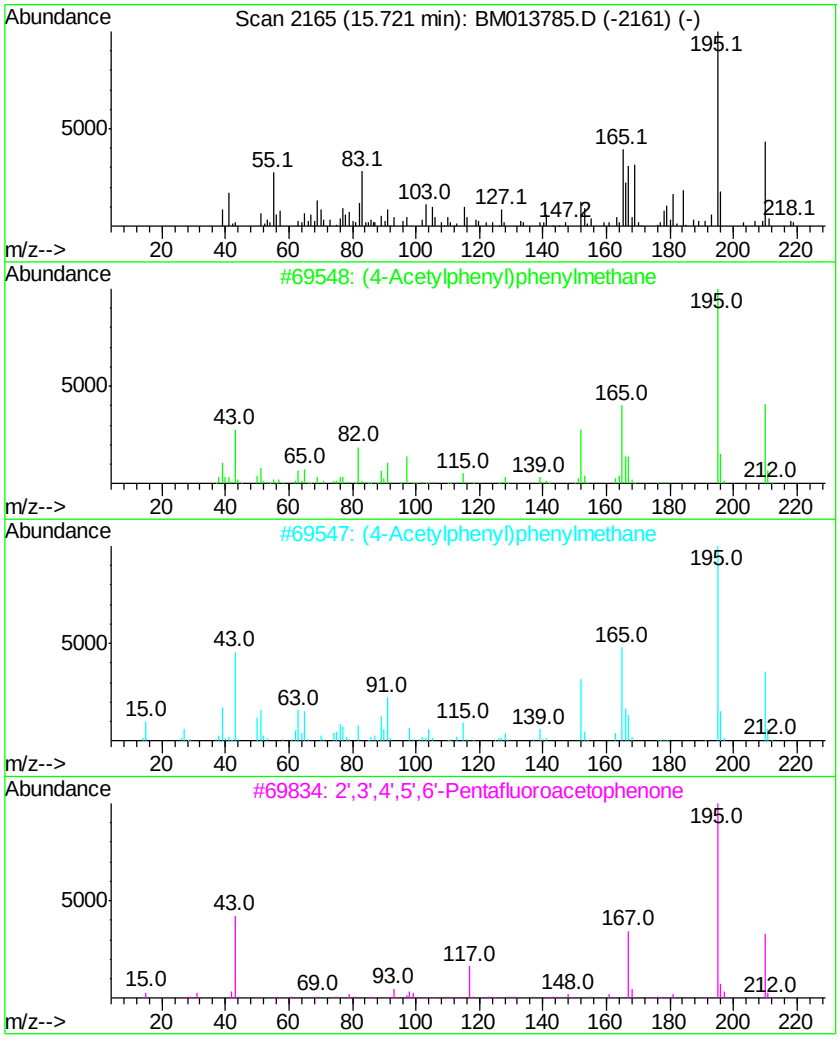
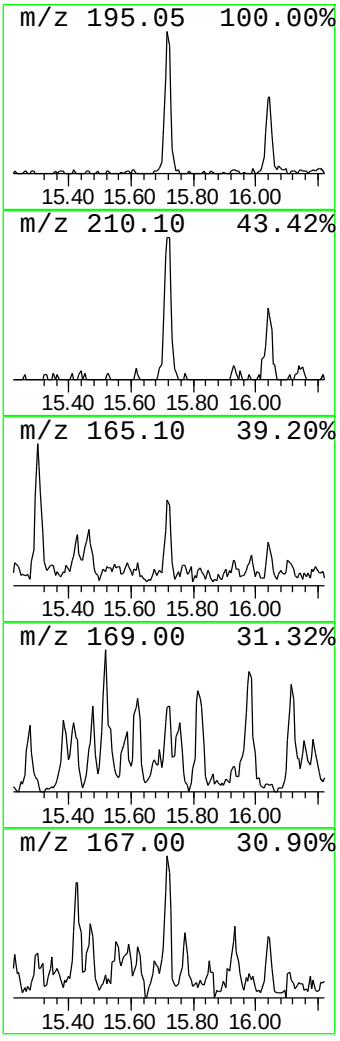
Peak Number 19 (4-Acetylphenyl)phenylmethane Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	2.45 ng/ul	215454	Phenanthrene-d10	17.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	62
2	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	58
3	2',3',4',5',6'-Pentafluoroacetop...	210	C8H3F5O	000652-29-9	52
4	2',3',4',5',6'-Pentafluoroacetop...	210	C8H3F5O	000652-29-9	50
5	2',3',4',5',6'-Pentafluoroacetop...	210	C8H3F5O	000652-29-9	50





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Acq On : 25 Jan 2018 01:25
Operator : SJ/JU
Sample : J1222-09DL 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A82DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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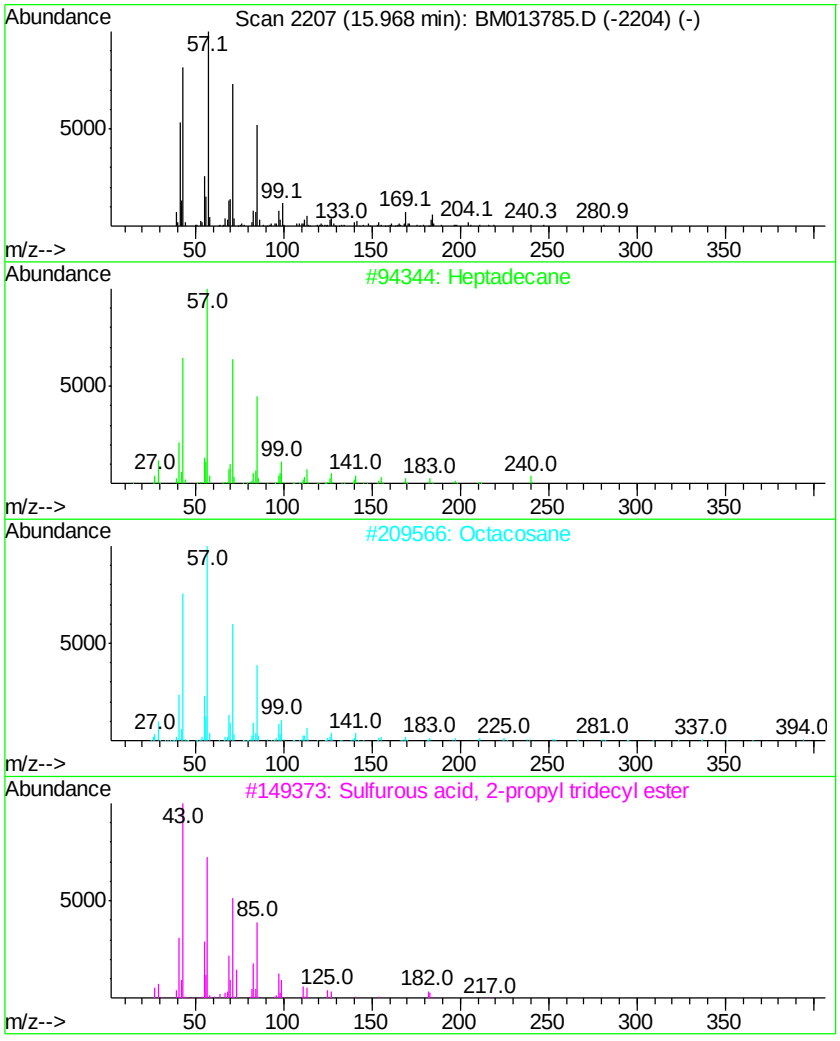
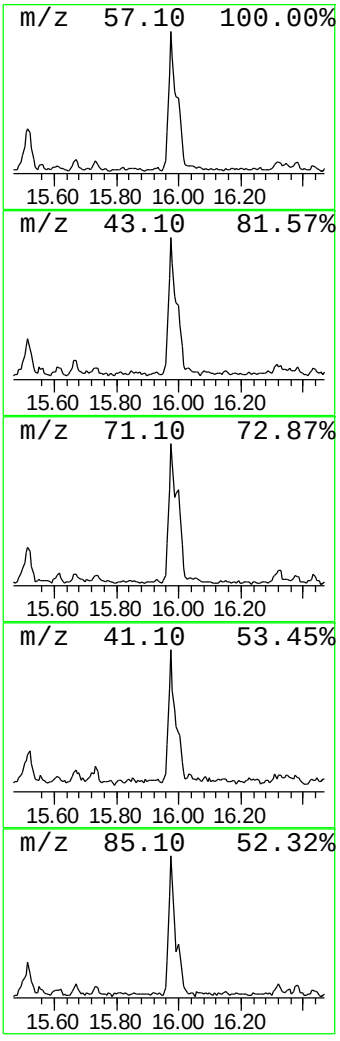
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	11.71 ng/ul	1030400	Phenanthrene-d10	17.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	87
2	Octacosane	394	C28H58	000630-02-4	87
3	Sulfurous acid, 2-propyl tridecy...	306	C16H34O3S	1000309-12-4	86
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	86
5	Dodecane	170	C12H26	000112-40-3	86





Data Path : U:\HPCHEM1\BNA M\DATA\BM012418\
Data File : BM013785.D
Acq On : 25 Jan 2018 01:25
Operator : SJ/JU
Sample : J1222-09DL 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A82DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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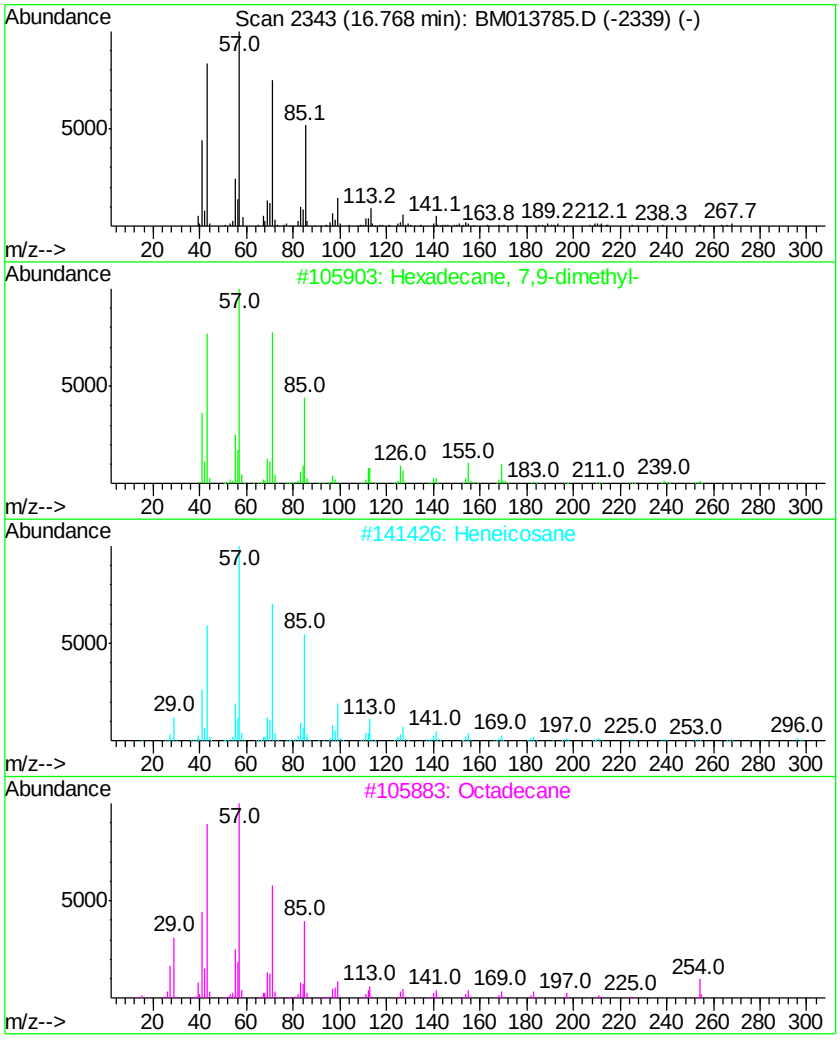
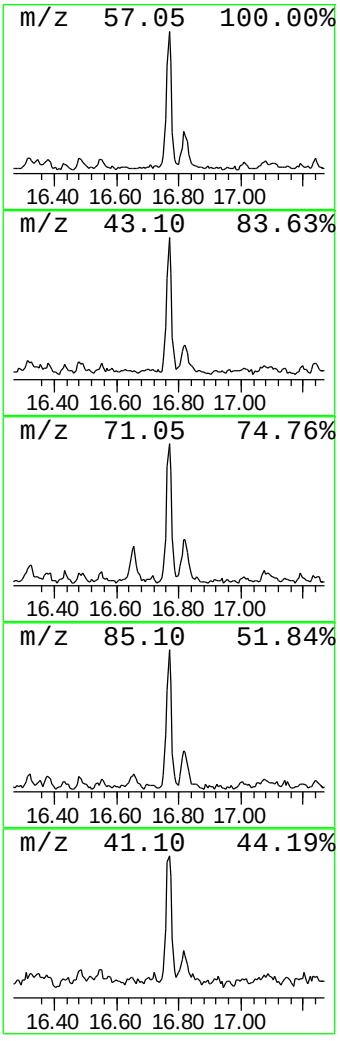
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	5.52 ng/ul	486241	Phenanthrene-d10	17.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	91
2	Heneicosane	296	C21H44	000629-94-7	91
3	Octadecane	254	C18H38	000593-45-3	91
4	Heptadecane	240	C17H36	000629-78-7	91
5	Nonadecane	268	C19H40	000629-92-5	91





Data Path : U:\HPCHEM1\BNA M\DATA\BM012418\
Data File : BM013785.D
Acq On : 25 Jan 2018 01:25
Operator : SJ/JU
Sample : J1222-09DL 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A82DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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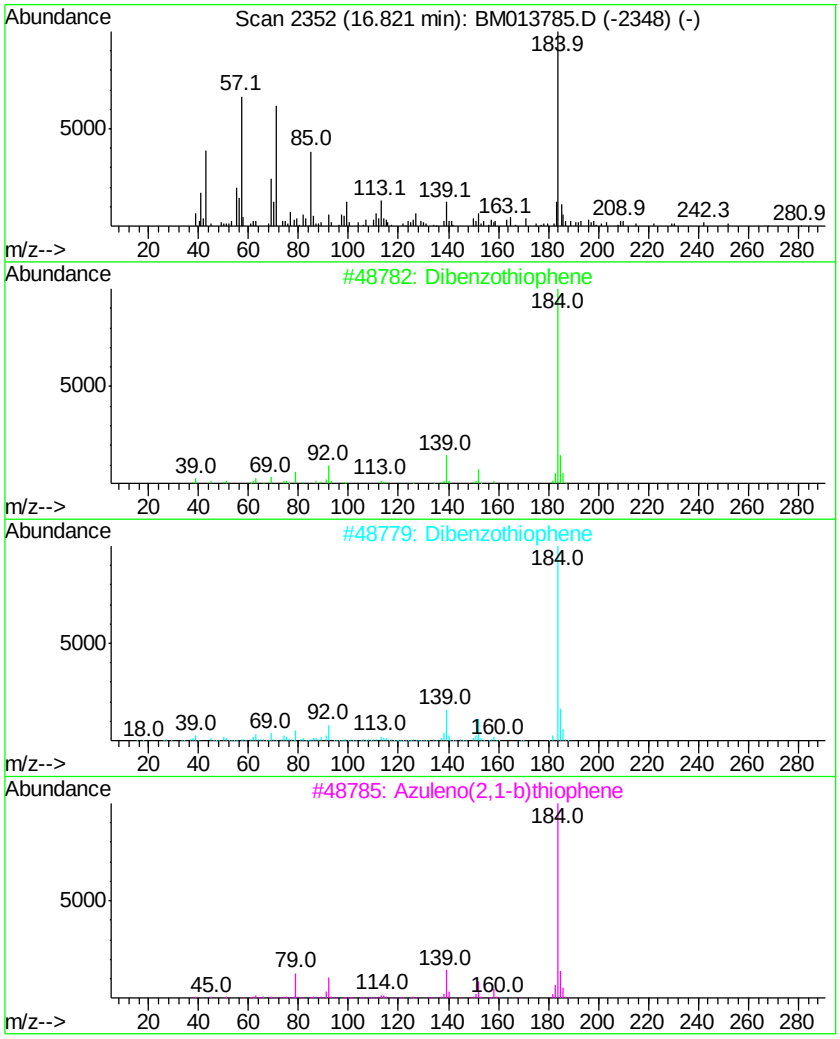
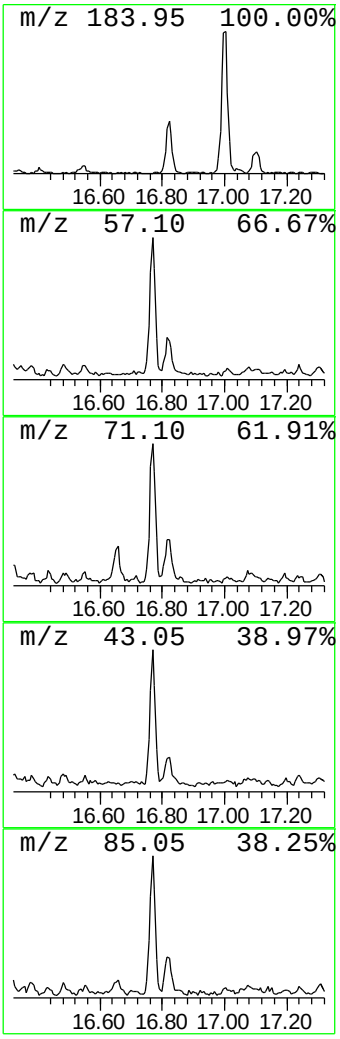
Peak Number 22 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.82	3.86 ng/ul	339761	Phenanthrene-d10	17.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	55
2	Dibenzothiophene	184	C12H8S	000132-65-0	55
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	55
4	Dibenzothiophene	184	C12H8S	000132-65-0	49
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	46





Data Path : U:\HPCHEM1\BNA M\DATA\BM012418\
Data File : BM013785.D
Acq On : 25 Jan 2018 01:25
Operator : SJ/JU
Sample : J1222-09DL 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A82DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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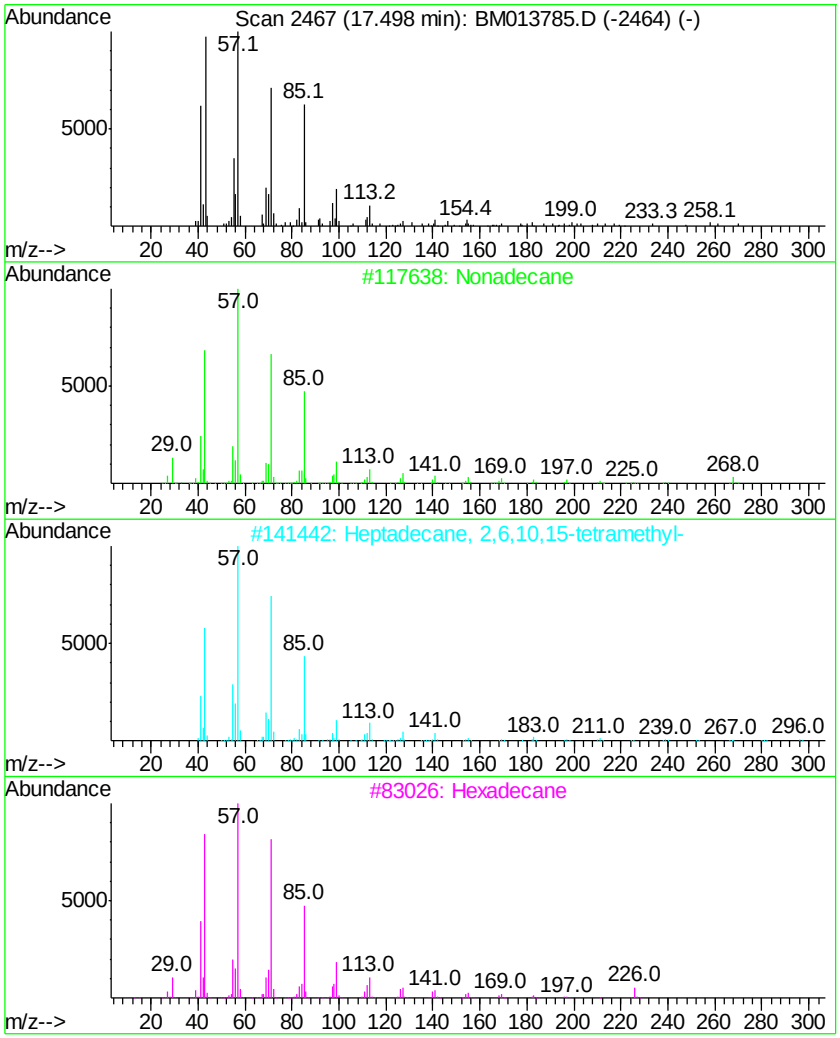
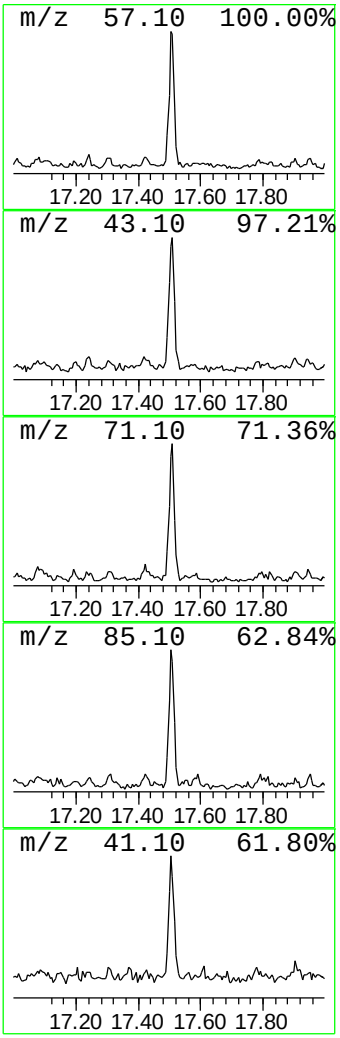
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.50	4.46 ng/ul	392387	Phenanthrene-d10	17.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	91
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
3	Hexadecane	226	C16H34	000544-76-3	86
4	Tetradecane	198	C14H30	000629-59-4	86
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	86





Library Search Compound Report

Data Path : U:\HPCHEM1\BNA M\DATA\BM012418\
Data File : BM013785.D
Acq On : 25 Jan 2018 01:25
Operator : SJ/JU
Sample : J1222-09DL 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A82DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

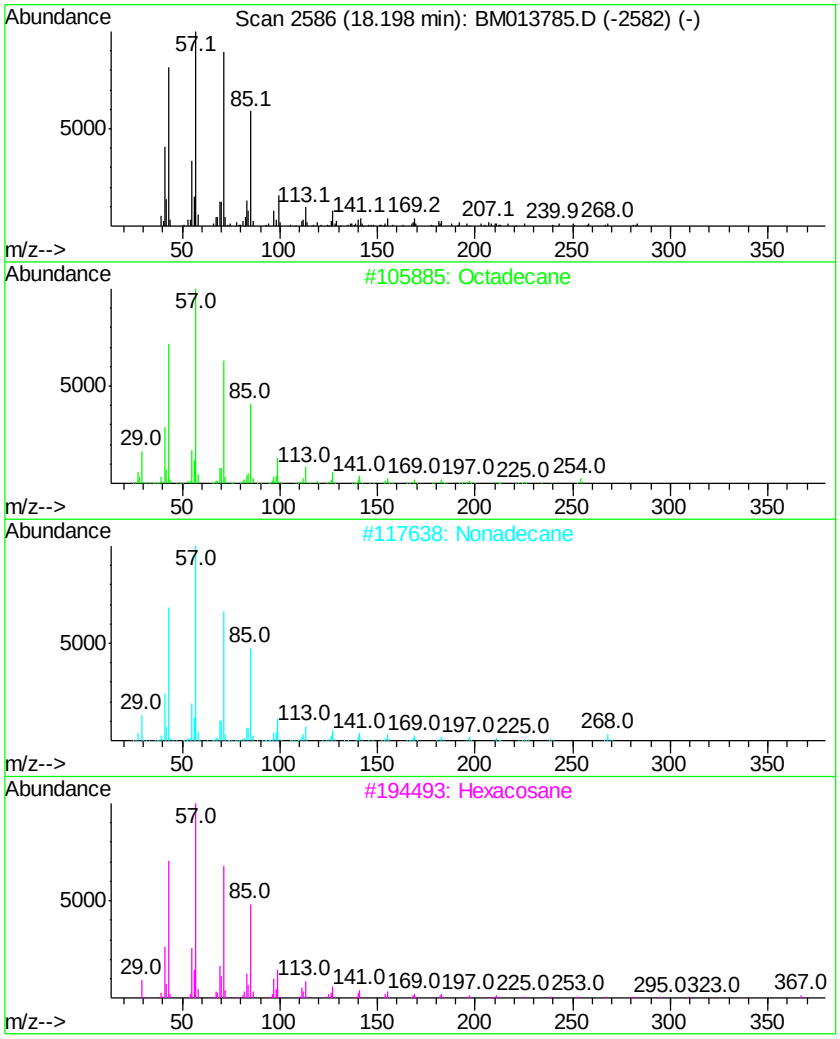
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

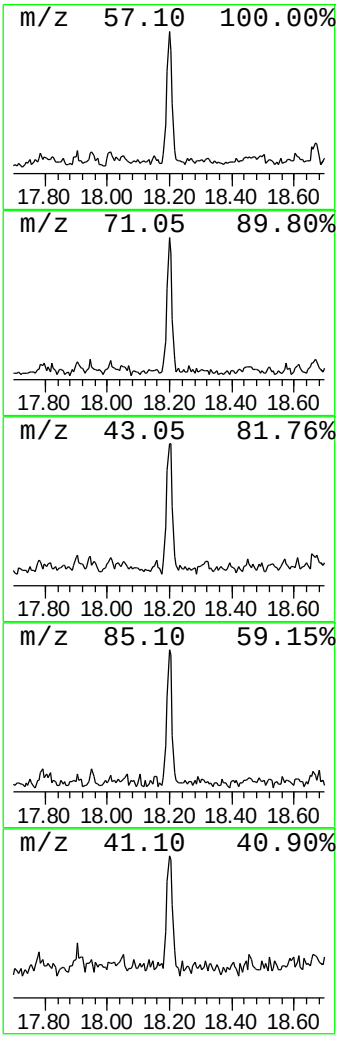
****

Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.20	3.48 ng/ul	305981	Phenanthrene-d10	17.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	87
2	Nonadecane	268	C19H40	000629-92-5	87
3	Hexacosane	366	C26H54	000630-01-3	87
4	Tetradecane	198	C14H30	000629-59-4	86
5	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	83





Data Path : U:\HPCHEM1\BNA M\DATA\BM012418\
Data File : BM013785.D
Acq On : 25 Jan 2018 01:25
Operator : SJ/JU
Sample : J1222-09DL 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A82DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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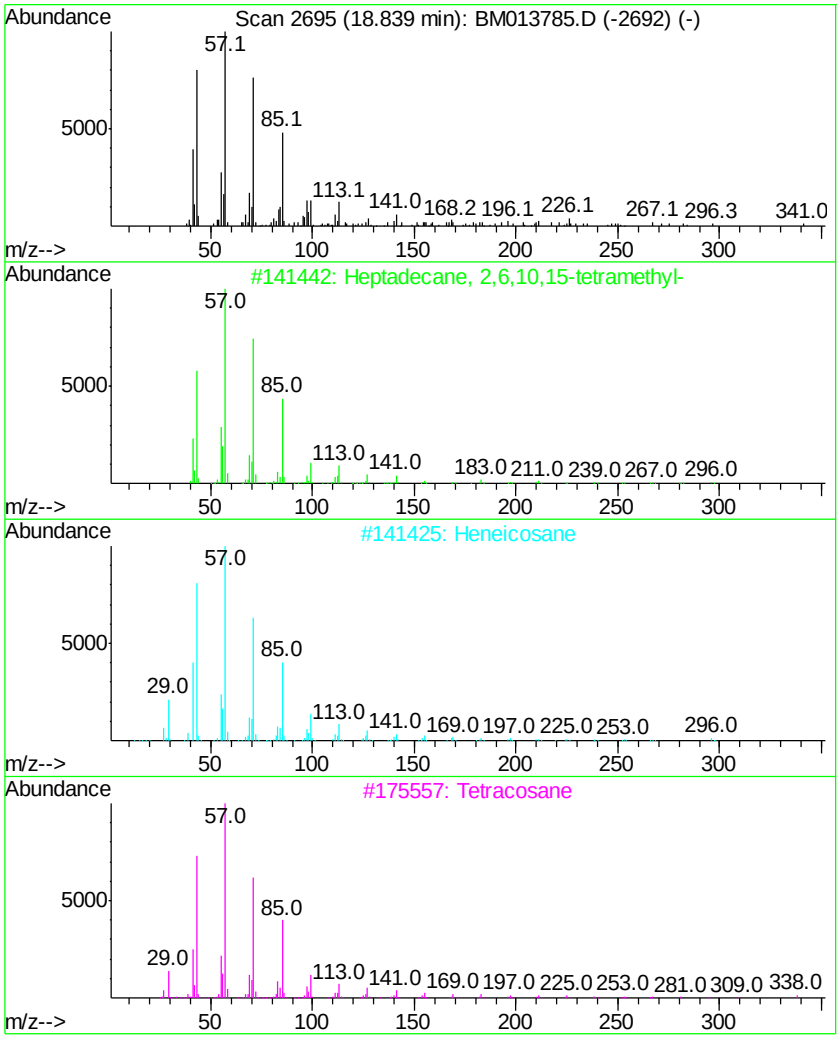
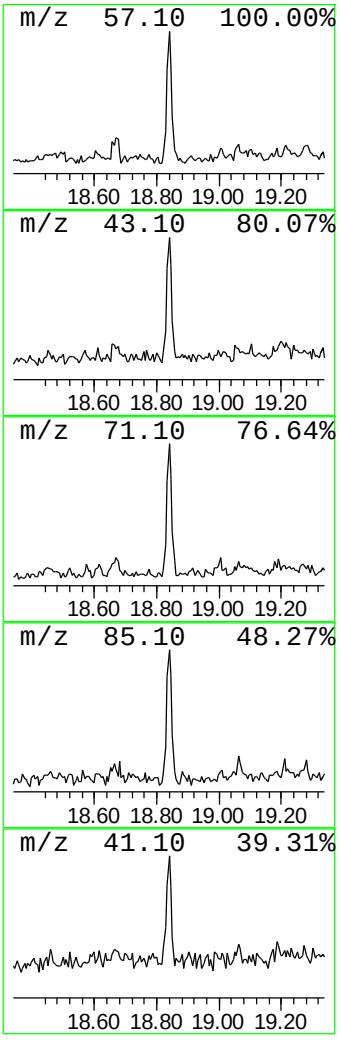
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.84	3.03 ng/ul	266968	Phenanthrene-d10	17.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	93
2	Heneicosane	296	C21H44	000629-94-7	93
3	Tetracosane	338	C24H50	000646-31-1	91
4	Hexadecane	226	C16H34	000544-76-3	90
5	Docosane, 7-hexyl-	394	C28H58	055373-86-9	90





Tentatively Identified Compound (LSC) summary

Data Path : U:\HPCHEM1\BNA_M\DATA\BM012418\
Data File : BM013785.D
Acq On : 25 Jan 2018 01:25
Operator : SJ/JU
Sample : J1222-09DL 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F6A82DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.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
2-Pentanone, 4-hy...	4.76	21.6	ng/ul	919696	1	7.59	850226	20.0
Hexylene glycol	5.96	51.0	ng/ul	2165840	1	7.59	850226	20.0
unknown-01	7.83	3.7	ng/ul	157248	1	7.59	850226	20.0
(DEL) Alkane: Str...	8.81	2.5	ng/ul	105261	1	7.59	850226	20.0
(DEL) Alkane: Str...	11.80	4.9	ng/ul	337739	2	10.37	1372090	20.0
Naphthalene, 1-me...	12.26	5.6	ng/ul	386032	2	10.37	1372090	20.0
(DEL) Alkane: Str...	13.07	5.6	ng/ul	532415	3	14.25	1887640	20.0
Naphthalene, 1,3-...	13.40	4.1	ng/ul	389814	3	14.25	1887640	20.0
(DEL) Alkane: Str...	13.73	3.0	ng/ul	278839	3	14.25	1887640	20.0
(DEL) Alkane: Str...	14.15	6.4	ng/ul	602184	3	14.25	1887640	20.0
Naphthalene, 2,3,...	14.65	3.9	ng/ul	367196	3	14.25	1887640	20.0
Naphthalene, 1,6,...	14.73	2.7	ng/ul	257911	3	14.25	1887640	20.0
Silane, trichloro...	14.77	2.3	ng/ul	219870	3	14.25	1887640	20.0
(DEL) Alkane: Str...	15.11	6.4	ng/ul	607364	3	14.25	1887640	20.0
3-Methyl-4-(metho...	15.52	2.6	ng/ul	246907	3	14.25	1887640	20.0
(4-Acetylphenyl)p...	15.72	2.5	ng/ul	215454	4	17.00	1760180	20.0
(DEL) Alkane: Str...	15.97	11.7	ng/ul	1030400	4	17.00	1760180	20.0
(DEL) Alkane: Str...	16.77	5.5	ng/ul	486241	4	17.00	1760180	20.0
Dibenzothiophene	16.82	3.9	ng/ul	339761	4	17.00	1760180	20.0
(DEL) Alkane: Str...	17.50	4.5	ng/ul	392387	4	17.00	1760180	20.0
(DEL) Alkane: Str...	18.20	3.5	ng/ul	305981	4	17.00	1760180	20.0
(DEL) Alkane: Str...	18.84	3.0	ng/ul	266968	4	17.00	1760180	20.0