LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121318\
Data File : BM018152.D
Acq On : 14 Dec 2018 05:12
Operator : JU/SJ
Sample : J6271-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9F10

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.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	3.793	148	154	165	rBV	162158	259098	4.17%	0.246%
2	4.116	199	209	219	rVB	118131	198146	3.19%	0.188%
3	5.063	365	370	376	rVV	90216	136387	2.19%	0.130%
4	5.193	386	392	405	rVB	334192	686687	11.05%	0.653%
5	5.546	447	452	459	rVB2	304283	449013	7.22%	0.427%
6	6.604	627	632	636	rVV	172653	249401	4.01%	0.237%
7	6.663	636	642	645	rVV	129126	219210	3.53%	0.208%
8	6.704	645	649	662	rVB2	574817	1220521	19.64%	1.161%
9	6.863	670	676	681	rBV	472376	712985	11.47%	0.678%
10	7.045	701	707	715	rVV	606619	981897	15.80%	0.934%
11	7.122	715	720	722	rVV	113861	161562	2.60%	0.154%
12	7.151	722	725	731	rVV	177060	273767	4.40%	0.260%
13	7.510	774	786	795	rBV	558488	942603	15.17%	0.896%
14	7.610	799	803	811	rVB2	64579	108375	1.74%	0.103%
15	8.134	885	892	896	rBV2	84858	131785	2.12%	0.125%
16	8.228	902	908	915	rBV	669817	1111447	17.88%	1.057%
17	8.292	915	919	925	rBV	117420	193873	3.12%	0.184%
18	8.592	965	970	975	rVV	63971	101303	1.63%	0.096%
19	8.663	975	982	987	rVV	573254	926946	14.91%	0.882%
20	8.710	987	990	997	rVB	83357	127800	2.06%	0.122%
21	9.375	1095	1103	1113	rBV	532235	929728	14.96%	0.884%
22	9.675	1149	1154	1161	rVV2	95995	189504	3.05%	0.180%
23	9.910	1188	1194	1203	rBV	693872	1269694	20.43%	1.207%
24	10.275	1244	1256	1260	rBV	897250	1630202	26.23%	1.550%
25	10.322	1260	1264	1271	rVB	337249	568164	9.14%	0.540%
26	10.439	1279	1284	1289	rBV2	115124	219810	3.54%	0.209%
27	11.698	1494	1498	1504	rVB2	106691	166476	2.68%	0.158%
28	11.945	1534	1540	1547	rVB	993899	1618125	26.04%	1.539%
29	12.169	1569	1578	1589	rVB	422217	766955	12.34%	0.729%
30	12.639	1651	1658	1662	rBV2	99028	189362	3.05%	0.180%
31	12.922	1702	1706	1711	rBV2	133605	189625	3.05%	0.180%
32	12.980	1711	1716	1722	rVB2	177897	265318	4.27%	0.252%
33	13.145	1739	1744	1747	rBV2	276980	437144	7.03%	0.416%
34	13.180	1747	1750	1760	rVB	330324	601330	9.68%	0.572%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121318\
Data File : BM018152.D
Acq On : 14 Dec 2018 05:12
Operator : JU/SJ
Sample : J6271-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9F10

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Title : SVOA CALIBRATION

35	13.274	1762	1766	1769	rBV2	105722	146061	2.35%	0.139%
36	13.316	1769	1773	1783	rVB3	479921	1199014	19.29%	1.140%
37	13.410	1783	1789	1794	rBV	3576732	5183671	83.41%	4.930%
38	13.463	1794	1798	1805	rVB3	540791	1201905	19.34%	1.143%
39	13.533	1805	1810	1814	rBV	386800	555750	8.94%	0.529%
40	13.586	1814	1819	1824	rVV	1322153	1817076	29.24%	1.728%
41	13.633	1824	1827	1830	rVV	179575	238039	3.83%	0.226%
42	13.669	1830	1833	1838	rVB	371888	475747	7.65%	0.452%
43	13.716	1838	1841	1844	rBV	184461	214421	3.45%	0.204%
44	13.851	1858	1864	1874	rBV	1640667	2680177	43.12%	2.549%
45	13.980	1882	1886	1888	rBV	168547	236678	3.81%	0.225%
46	14.051	1894	1898	1905	rVB3	402244	677618	10.90%	0.644%
47	14.163	1911	1917	1923	rVB2	1354875	2287999	36.81%	2.176%
48	14.221	1923	1927	1930	rBV2	103185	139352	2.24%	0.133%
49	14.374	1947	1953	1956	rBV2	352195	692116	11.14%	0.658%
50	14.410	1956	1959	1964	rVB	532286	846890	13.63%	0.805%
51	14.568	1980	1986	1993	rVV2	251267	471505	7.59%	0.448%
52	14.645	1996	1999	2004	rVB2	374715	524967	8.45%	0.499%
53	14.698	2005	2008	2016	rVB8	77177	131425	2.11%	0.125%
54	14.792	2019	2024	2028	rBV	178132	294826	4.74%	0.280%
55	14.845	2029	2033	2037	rVB	224080	303343	4.88%	0.288%
56	15.033	2061	2065	2068	rVB	161659	195348	3.14%	0.186%
57	15.168	2083	2088	2093	rVB	1975498	2664415	42.87%	2.534%
58	15.215	2093	2096	2101	rVB2	127681	170150	2.74%	0.162%
59	15.274	2101	2106	2109	rBV2	165471	298657	4.81%	0.284%
60	15.321	2109	2114	2121	rVB3	534048	872731	14.04%	0.830%
61	15.451	2131	2136	2142	rVB2	1499622	2155913	34.69%	2.050%
62	15.592	2156	2160	2163	rBV5	175434	282965	4.55%	0.269%
63	15.898	2208	2212	2220	rBV4	341013	597569	9.61%	0.568%
64	16.039	2232	2236	2239	rBV	128140	188024	3.03%	0.179%
65	16.586	2325	2329	2334	rBV	313798	432862	6.96%	0.412%
66	16.692	2344	2347	2351	rVB3	277687	343556	5.53%	0.327%
67	16.745	2351	2356	2360	rBV	555936	810736	13.04%	0.771%
68	16.927	2382	2387	2390	rBV	1612949	2257146	36.32%	2.147%
69	16.968	2390	2394	2399	rVB	3458019	4598426	73.99%	4.373%
70	17.021	2399	2403	2408	rBV	2119918	2996162	48.21%	2.849%
71	17.504	2481	2485	2495	rVB3	884350	1422860	22.89%	1.353%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121318\
Data File : BM018152.D
Acq On : 14 Dec 2018 05:12
Operator : JU/SJ
Sample : J6271-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9F10

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Title : SVOA CALIBRATION

72	17.645	2506	2509	2515	rVB	403819	706961	11.37%	0.672%
73	17.804	2531	2536	2539	rBV	1759985	2429126	39.08%	2.310%
74	17.851	2539	2544	2551	rVB	3314167	5109440	82.21%	4.859%
75	17.927	2554	2557	2563	rBV	363901	565281	9.10%	0.538%
76	17.986	2563	2567	2571	rVV	879956	1378383	22.18%	1.311%
77	18.033	2572	2575	2580	rVB	916961	1263002	20.32%	1.201%
78	18.121	2587	2590	2594	rBV2	346642	539449	8.68%	0.513%
79	18.204	2601	2604	2608	rVB	458294	573385	9.23%	0.545%
80	18.309	2618	2622	2626	rBV3	564305	939247	15.11%	0.893%
81	18.556	2661	2664	2669	rVV2	498526	639765	10.29%	0.608%
82	18.609	2670	2673	2676	rVV	612818	744055	11.97%	0.708%
83	18.651	2677	2680	2684	rVB	580510	715283	11.51%	0.680%
84	18.733	2689	2694	2698	rBV	1013150	1504850	24.21%	1.431%
85	18.774	2698	2701	2707	rVV4	464715	1005890	16.18%	0.957%
86	18.827	2707	2710	2713	rVB	463994	533603	8.59%	0.507%
87	18.868	2714	2717	2723	rBV2	365213	628680	10.12%	0.598%
88	18.998	2735	2739	2743	rBV2	800639	1125445	18.11%	1.070%
89	19.280	2784	2787	2791	rBV2	343090	449321	7.23%	0.427%
90	19.339	2792	2797	2799	rVV2	1876003	2958827	47.61%	2.814%
91	19.368	2799	2802	2811	rVV	2605001	3737635	60.14%	3.555%
92	19.445	2812	2815	2821	rVB3	570406	858282	13.81%	0.816%
93	20.027	2910	2914	2917	rBV	1442621	1820149	29.29%	1.731%
94	20.168	2934	2938	2942	rBV	885308	1212745	19.51%	1.153%
95	20.227	2942	2948	2952	rVV2	4650391	6215052	100.00%	5.911%
96	20.868	3054	3057	3060	rBV3	511146	607287	9.77%	0.578%
97	21.145	3098	3104	3107	rBV2	1820062	3236460	52.07%	3.078%
98	21.180	3107	3110	3114	rVB	1213697	1396097	22.46%	1.328%
99	21.739	3201	3205	3210	rBV	1629070	2218603	35.70%	2.110%
100	23.174	3445	3449	3453	rVB	826016	1199366	19.30%	1.141%

Sum of corrected areas: 105152012

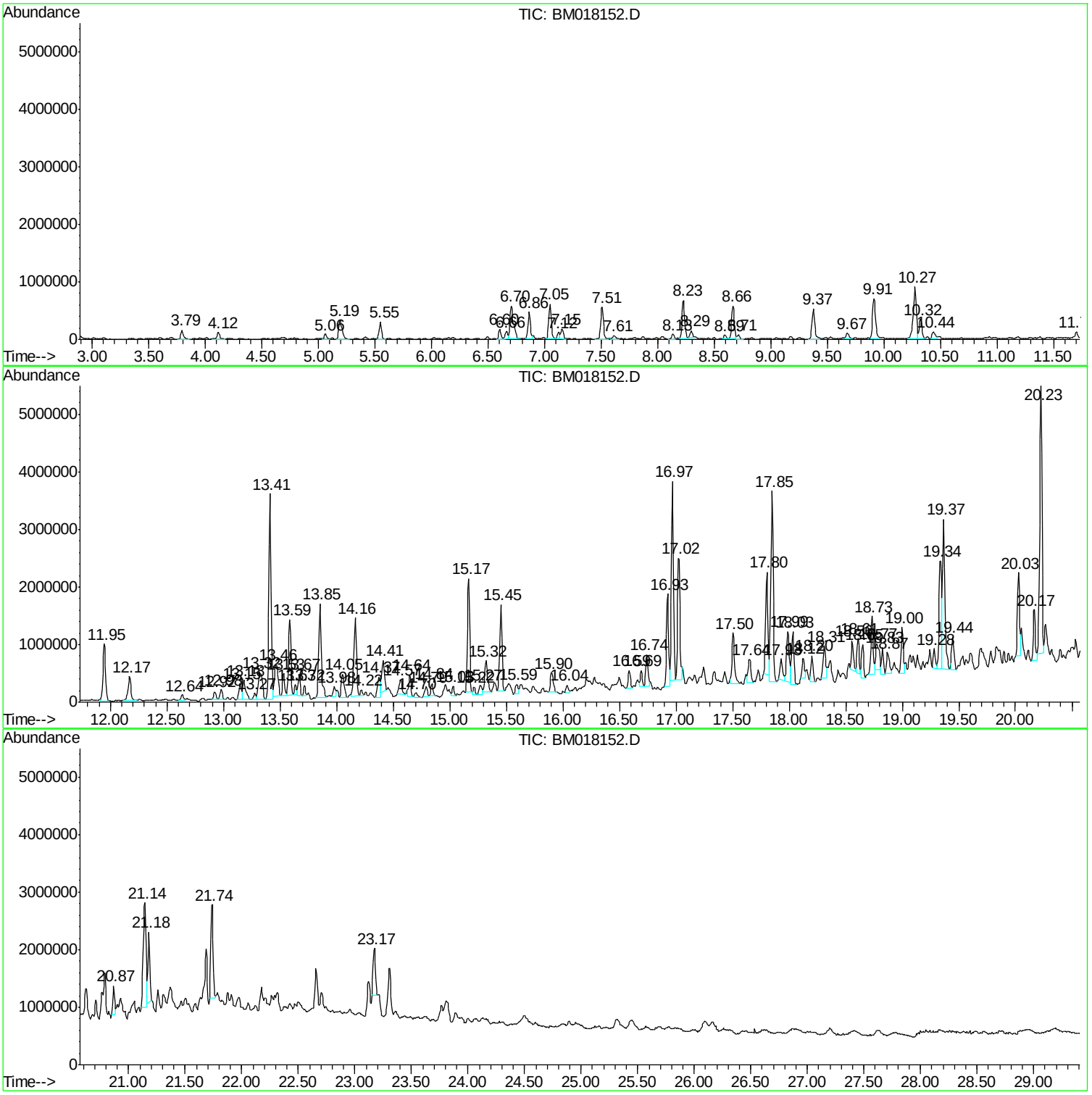
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121318\
Data File : BM018152.D
Acq On : 14 Dec 2018 05:12
Operator : JU/SJ
Sample : J6271-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9F10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121318\
Data File : BM018152.D
Acq On : 14 Dec 2018 05:12
Operator : JU/SJ
Sample : J6271-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9F10

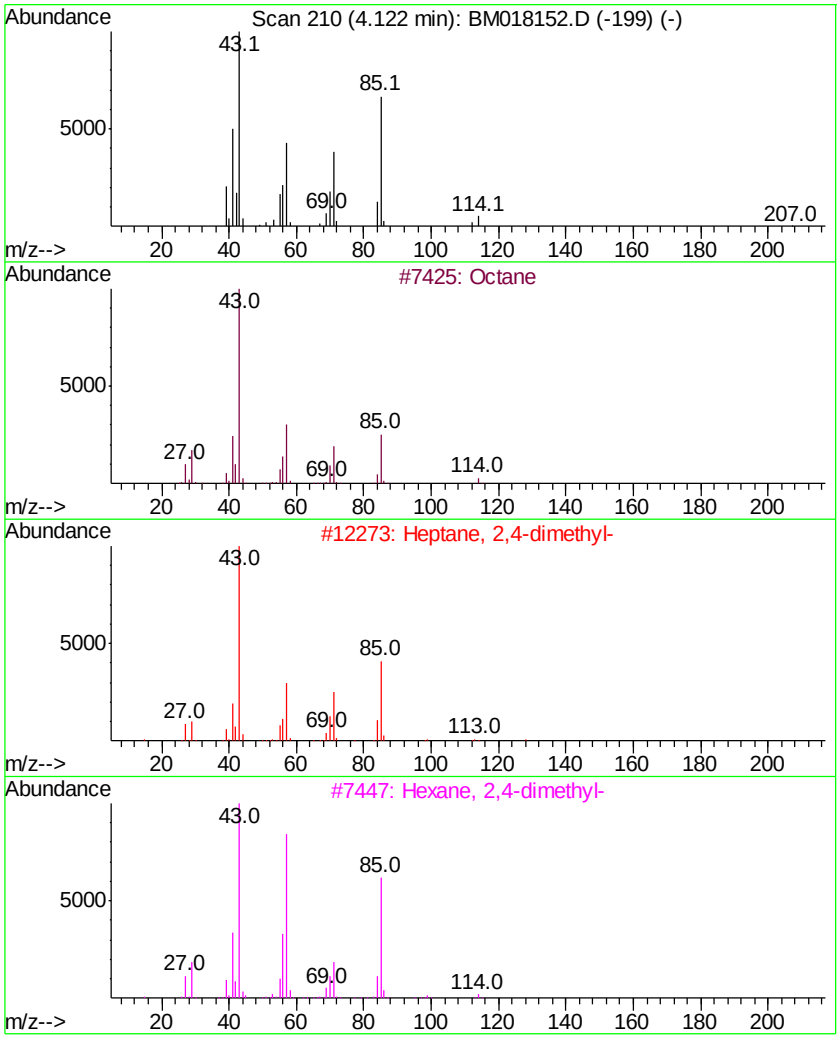
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

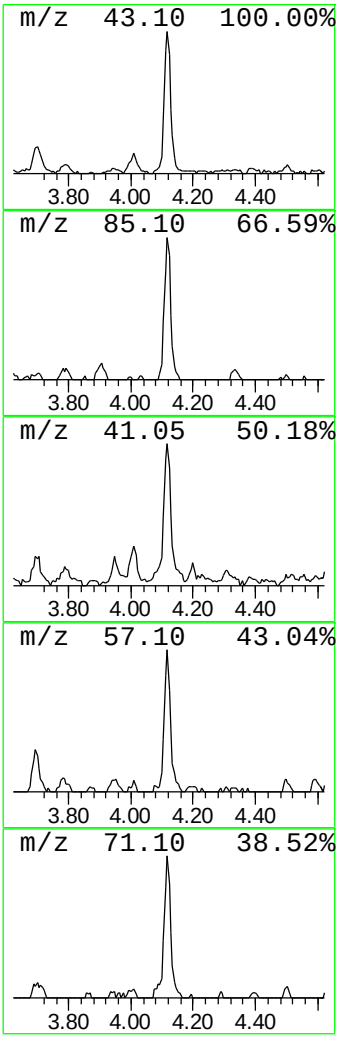
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.12	4.20 ng/ul	198146	1,4-Dichlorobenzene-d4	7.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	90
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	62
4	Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	59
5	Octane	114	C8H18	000111-65-9	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121318\
Data File : BM018152.D
Acq On : 14 Dec 2018 05:12
Operator : JU/SJ
Sample : J6271-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9F10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

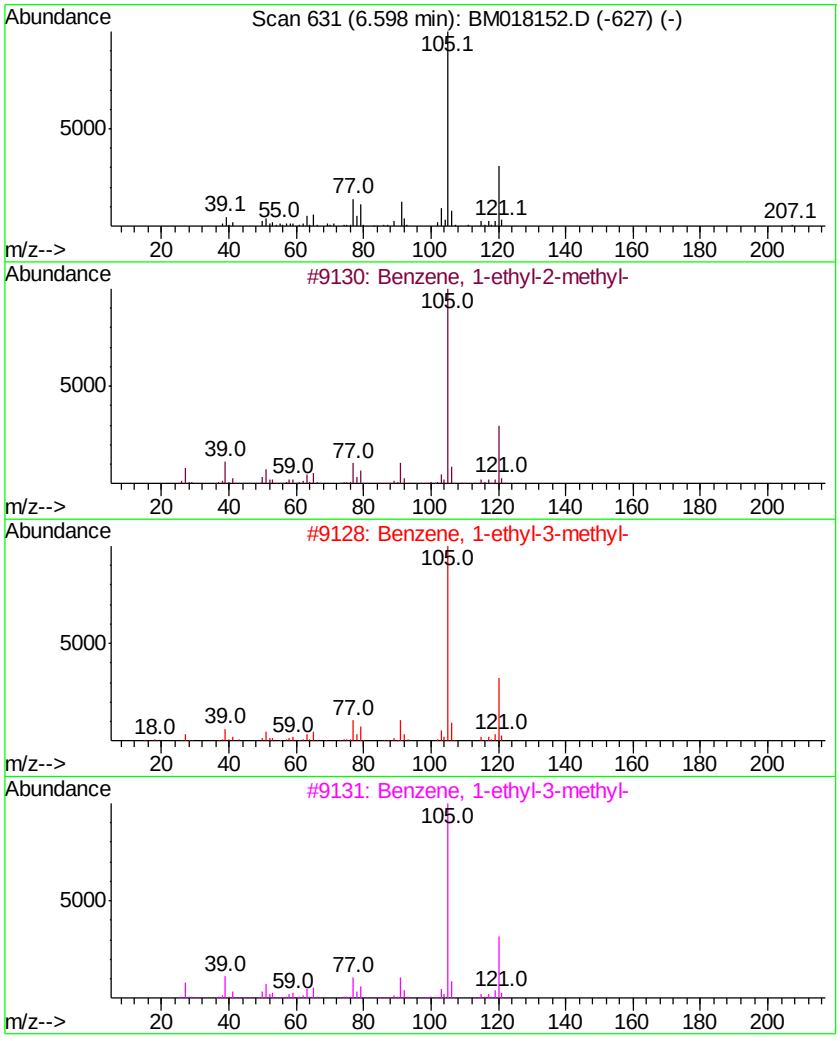
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

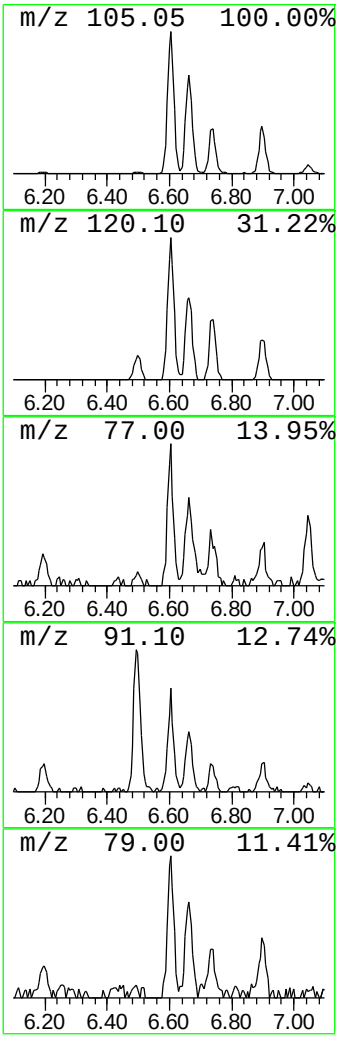
****

Peak Number 6 Benzene, 1-ethyl-2-methyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	5.29 ng/ul	249401	1,4-Dichlorobenzene-d4	7.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
5	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121318\
Data File : BM018152.D
Acq On : 14 Dec 2018 05:12
Operator : JU/SJ
Sample : J6271-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9F10

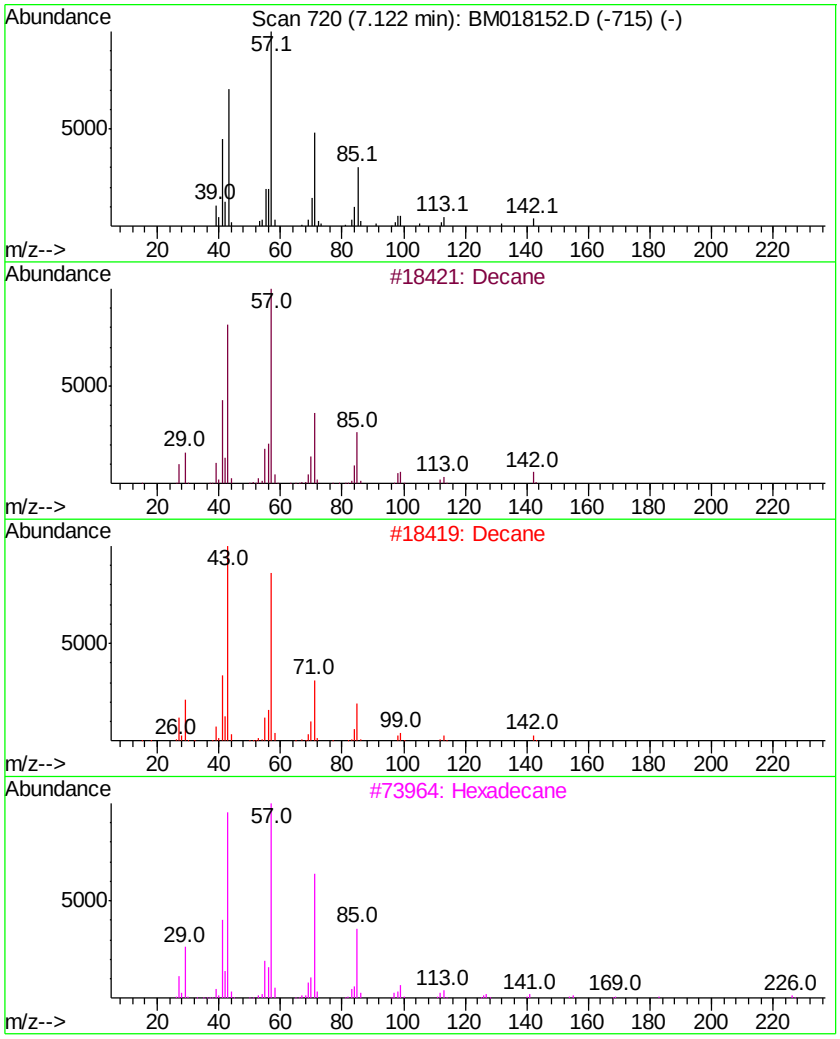
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

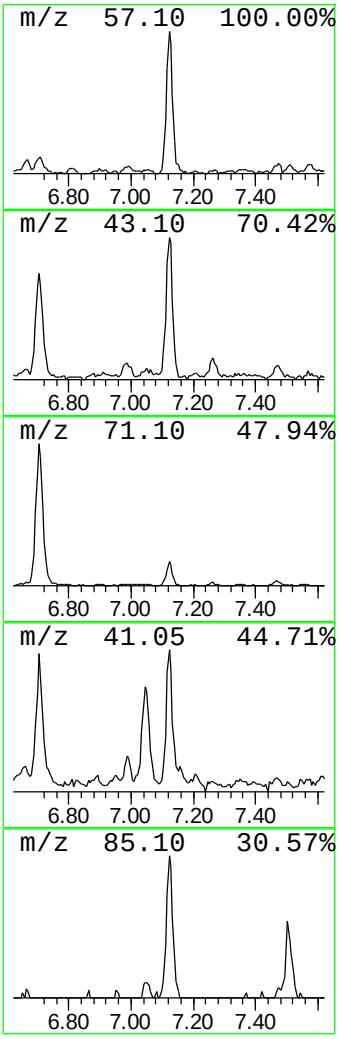
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.12	3.43 ng/ul	161562	1,4-Dichlorobenzene-d4	7.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	91
2	Decane	142	C10H22	000124-18-5	91
3	Hexadecane	226	C16H34	000544-76-3	90
4	Tetradecane	198	C14H30	000629-59-4	83
5	Tridecane	184	C13H28	000629-50-5	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121318\
Data File : BM018152.D
Acq On : 14 Dec 2018 05:12
Operator : JU/SJ
Sample : J6271-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9F10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

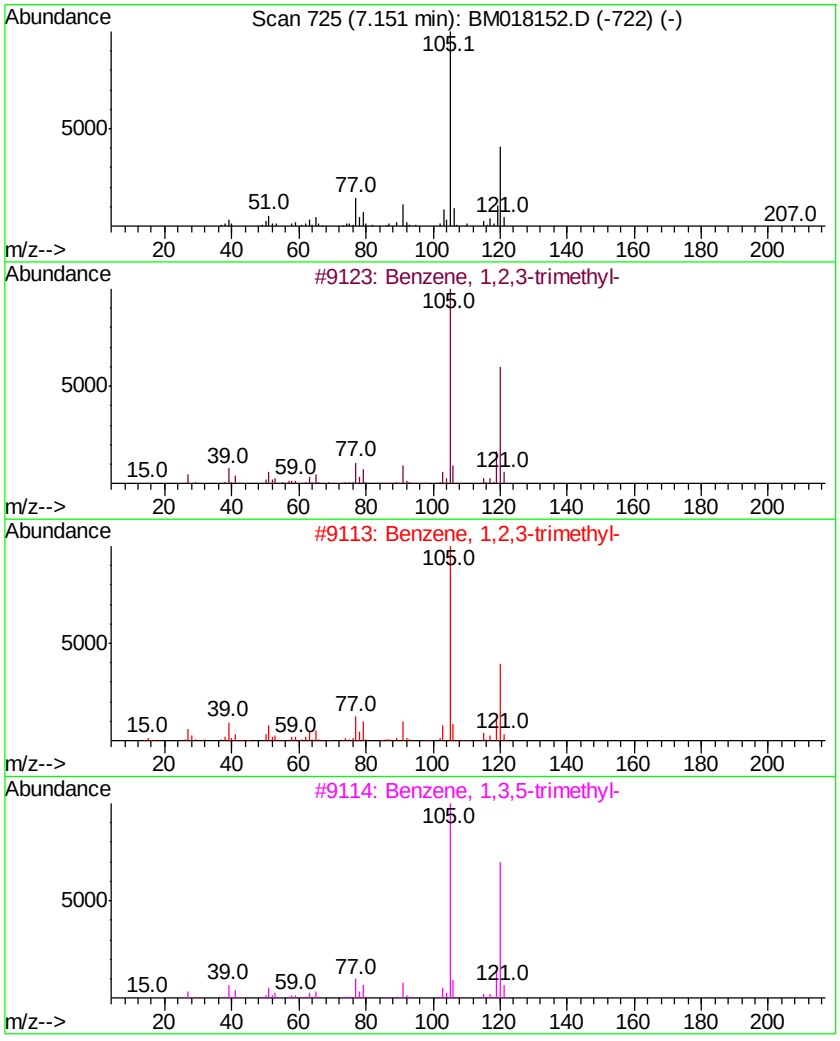
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

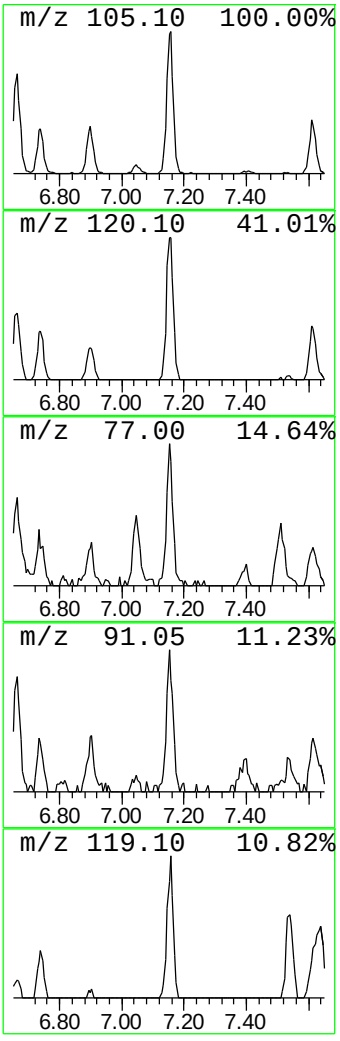
****

Peak Number 8 Benzene, 1,2,3-trimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.15	5.81 ng/ul	273767	1,4-Dichlorobenzene-d4	7.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
4	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121318\
Data File : BM018152.D
Acq On : 14 Dec 2018 05:12
Operator : JU/SJ
Sample : J6271-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9F10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

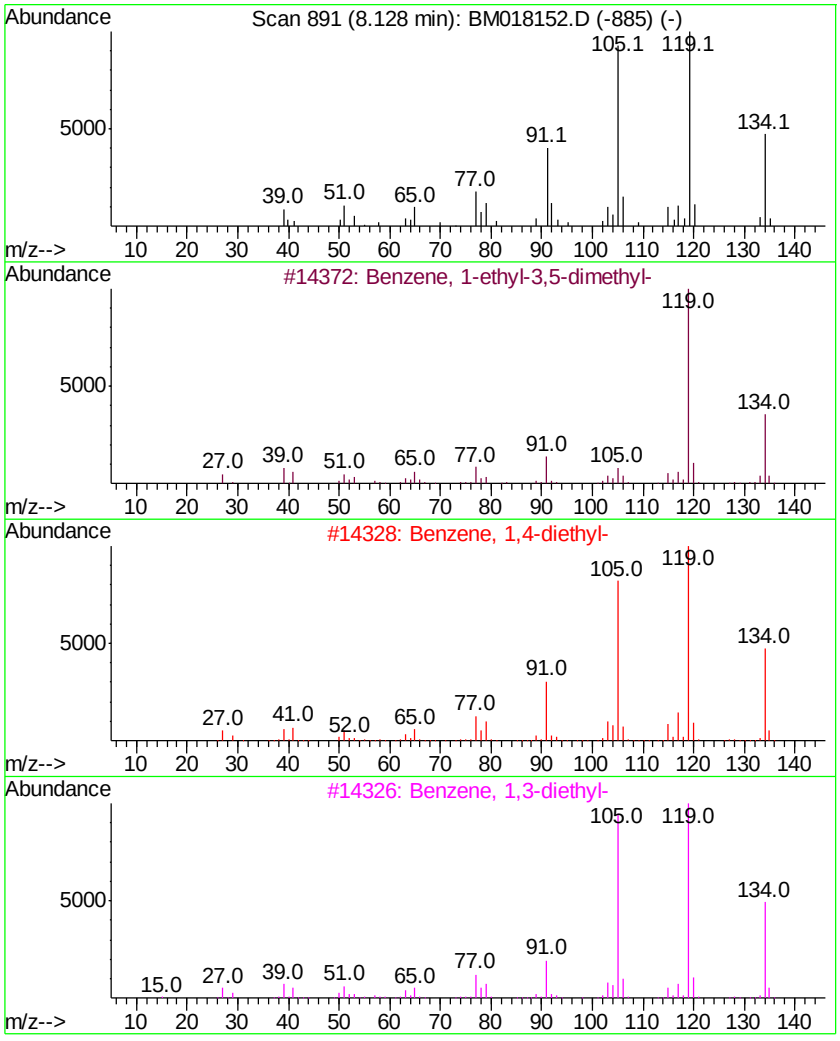
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

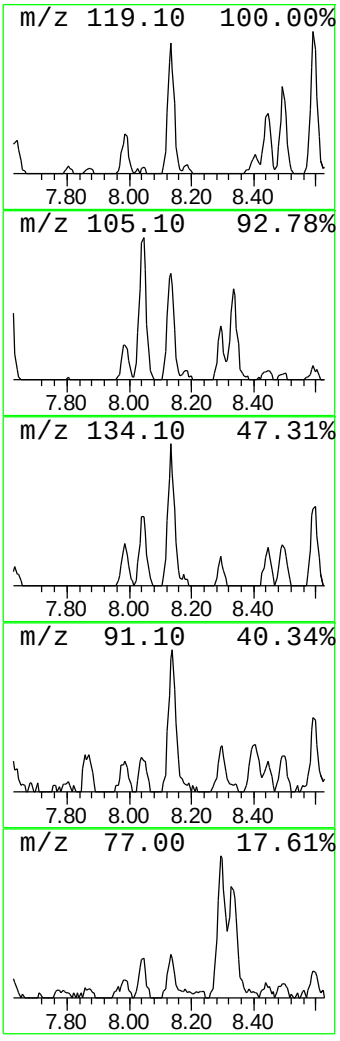
****

Peak Number 10 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.13	2.80 ng/ul	131785	1,4-Dichlorobenzene-d4	7.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	93
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	91
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	90
4	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	90
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	90





Library Search Compound Report

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Acq On : 14 Dec 2018 05:12
Operator : JU/SJ
Sample : J6271-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9F10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

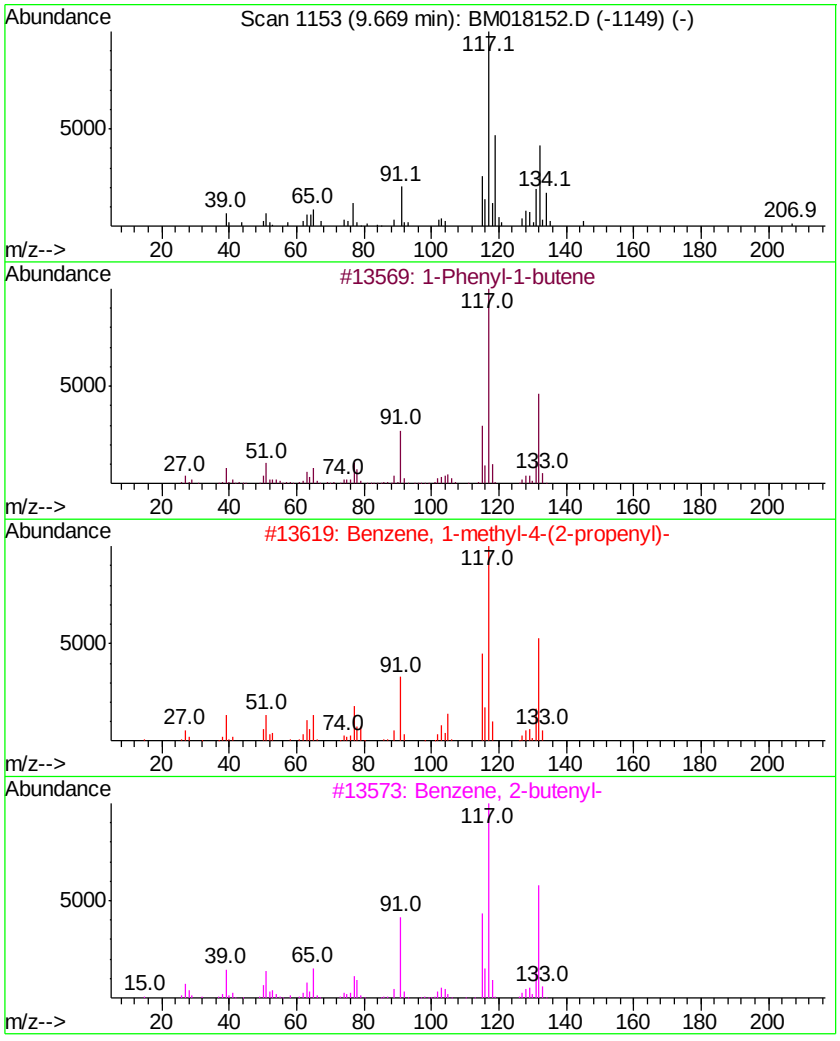
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

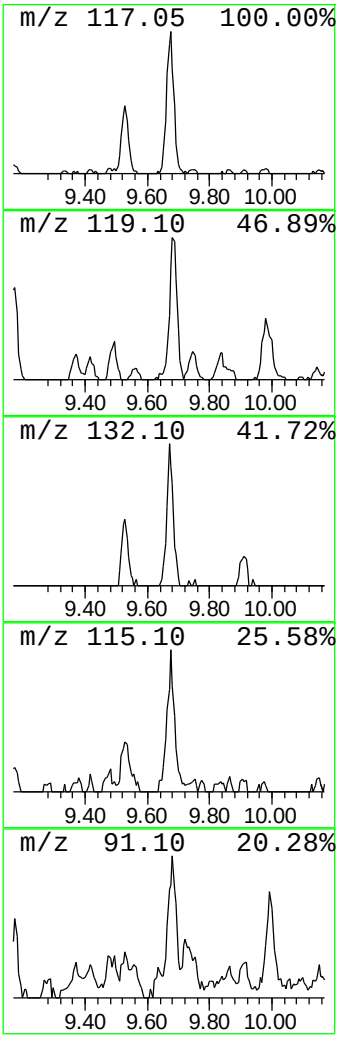
****

Peak Number 12 1-Phenyl-1-butene Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.67	2.32 ng/ul	189504	Naphthalene-d8	10.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	90
2	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	86
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	70
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	55
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	55





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Sample : J6271-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9F10

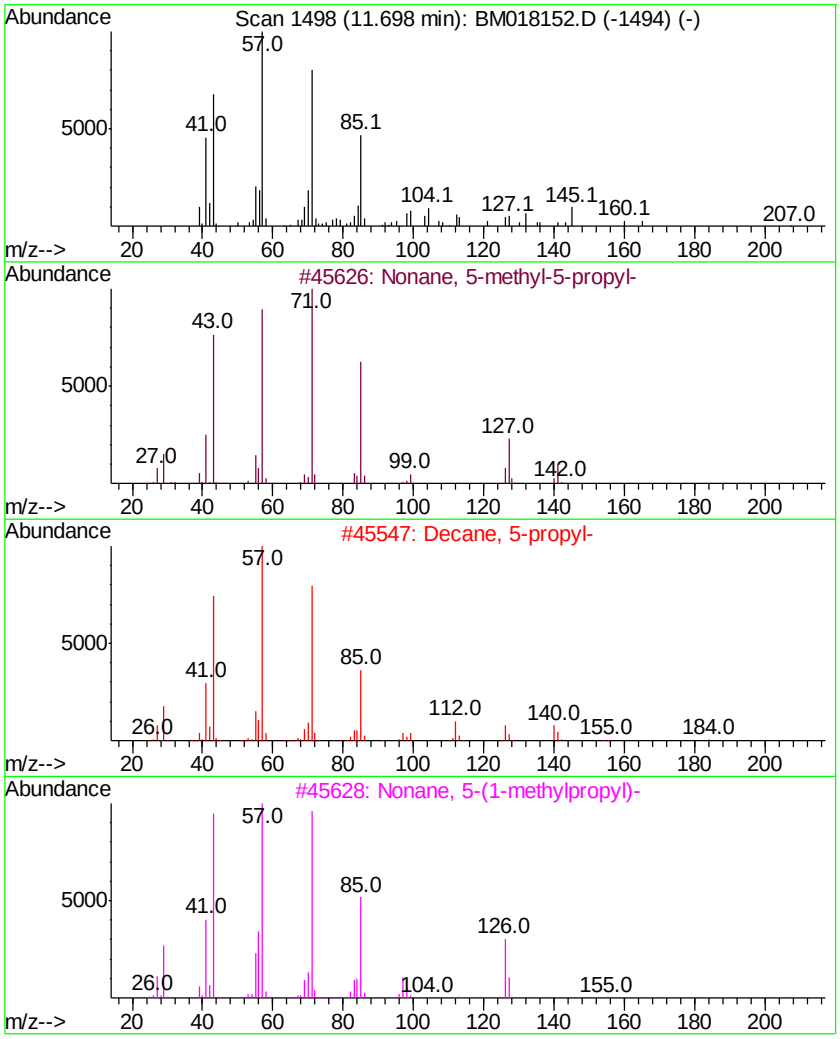
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

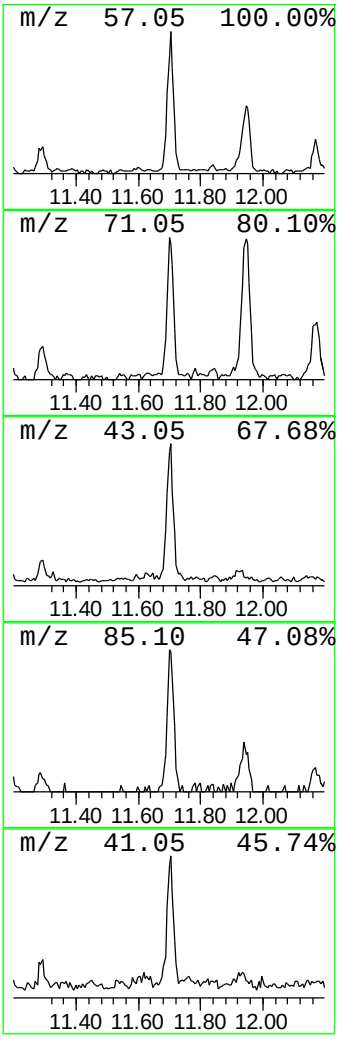
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	2.04 ng/ul	166476	Naphthalene-d8	10.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	59
2	Decane, 5-propyl-	184	C13H28	017312-62-8	53
3	Nonane, 5-(1-methylpropyl)-	184	C13H28	062185-54-0	50
4	Octane, 2,3,6,7-tetramethyl-	170	C12H26	052670-34-5	50
5	Tetradecane	198	C14H30	000629-59-4	49





Library Search Compound Report

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Operator : JU/SJ
Sample : J6271-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9F10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

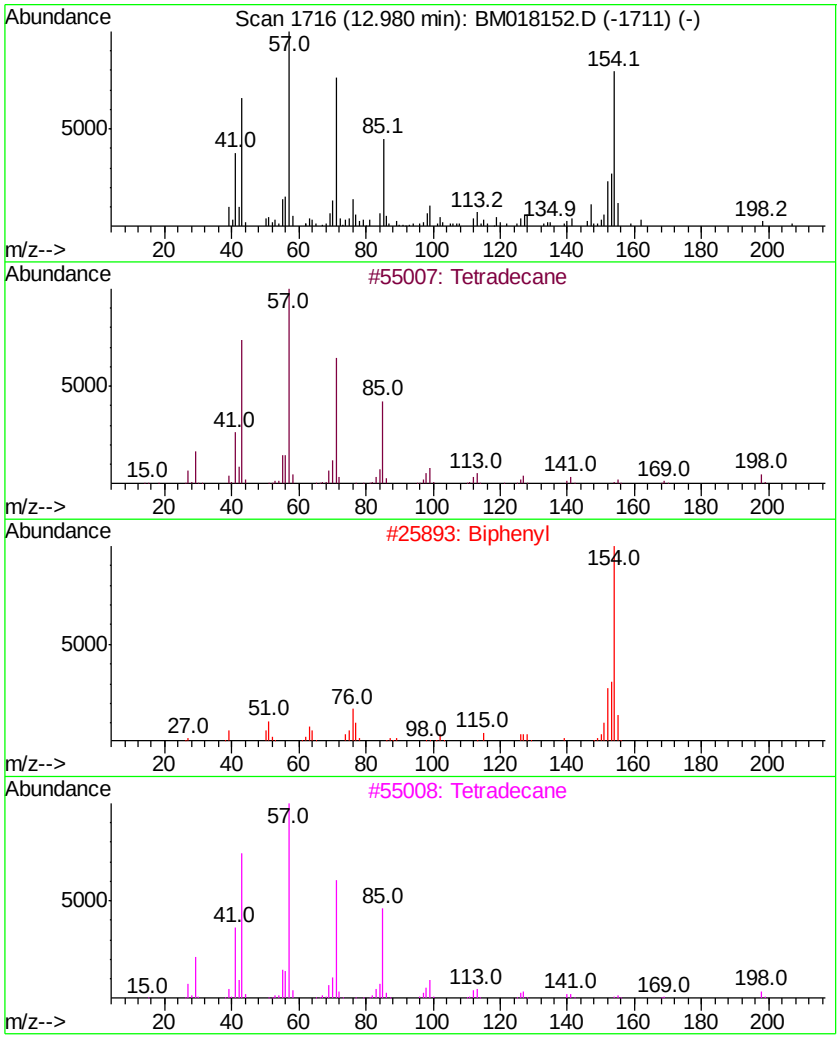
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

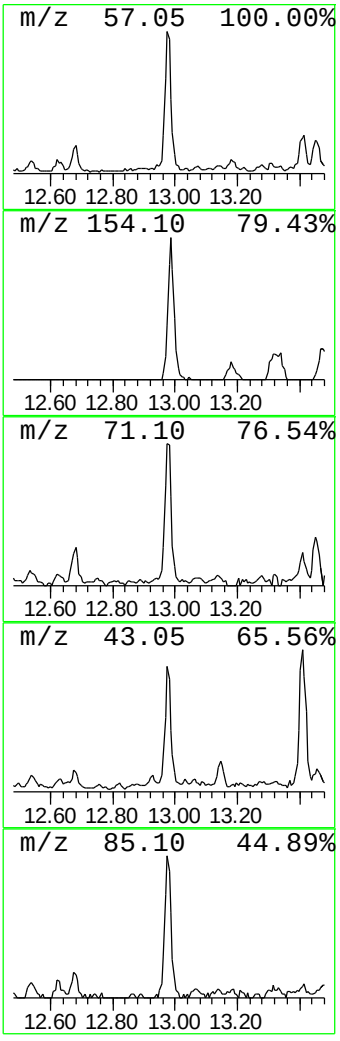
****

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.98	2.32 ng/ul	265318	Acenaphthene-d10	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	87
2	Biphenyl	154	C12H10	000092-52-4	81
3	Tetradecane	198	C14H30	000629-59-4	78
4	Eicosane	282	C20H42	000112-95-8	45
5	Tritetracontane	605	C43H88	007098-21-7	43





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Operator : JU/SJ
Sample : J6271-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9F10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

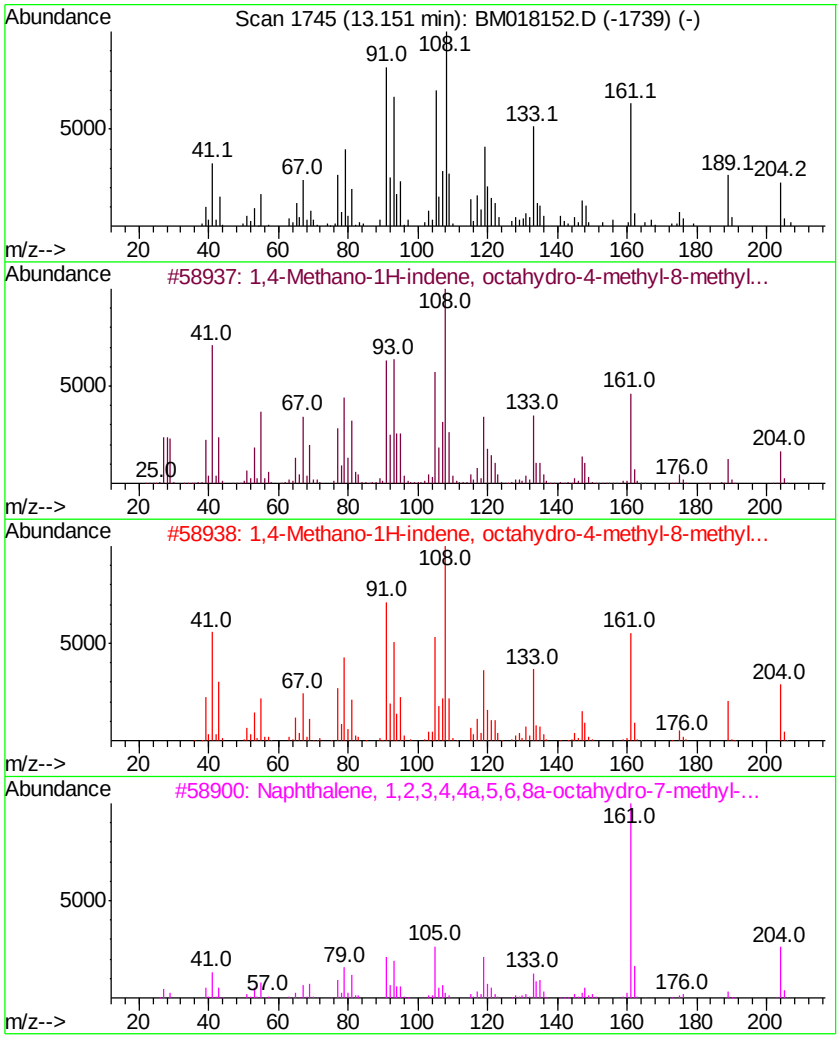
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

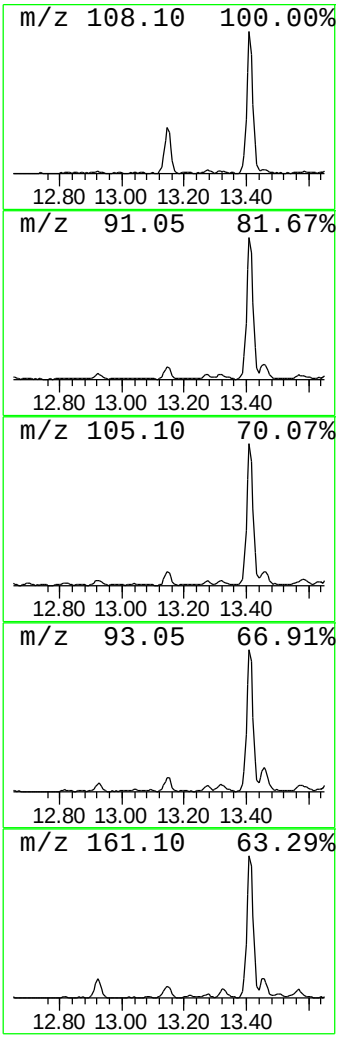
****

Peak Number 16 1,4-Methano-1H-indene, octa... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	3.82 ng/ul	437144	Acenaphthene-d10	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Methano-1H-indene, octahydro...	204	C15H24	003650-28-0	98
2	1,4-Methano-1H-indene, octahydro...	204	C15H24	003650-28-0	98
3	Naphthalene, 1,2,3,4,4a,5,6,8a-o...	204	C15H24	039029-41-9	87
4	Epizonarene	204	C15H24	1000156-10-7	74
5	1H-Benzocycloheptene, 2,4a,5,6,7...	204	C15H24	003853-83-6	64





Library Search Compound Report

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Sample : J6271-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9F10

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Quant Title : SVOA CALIBRATION

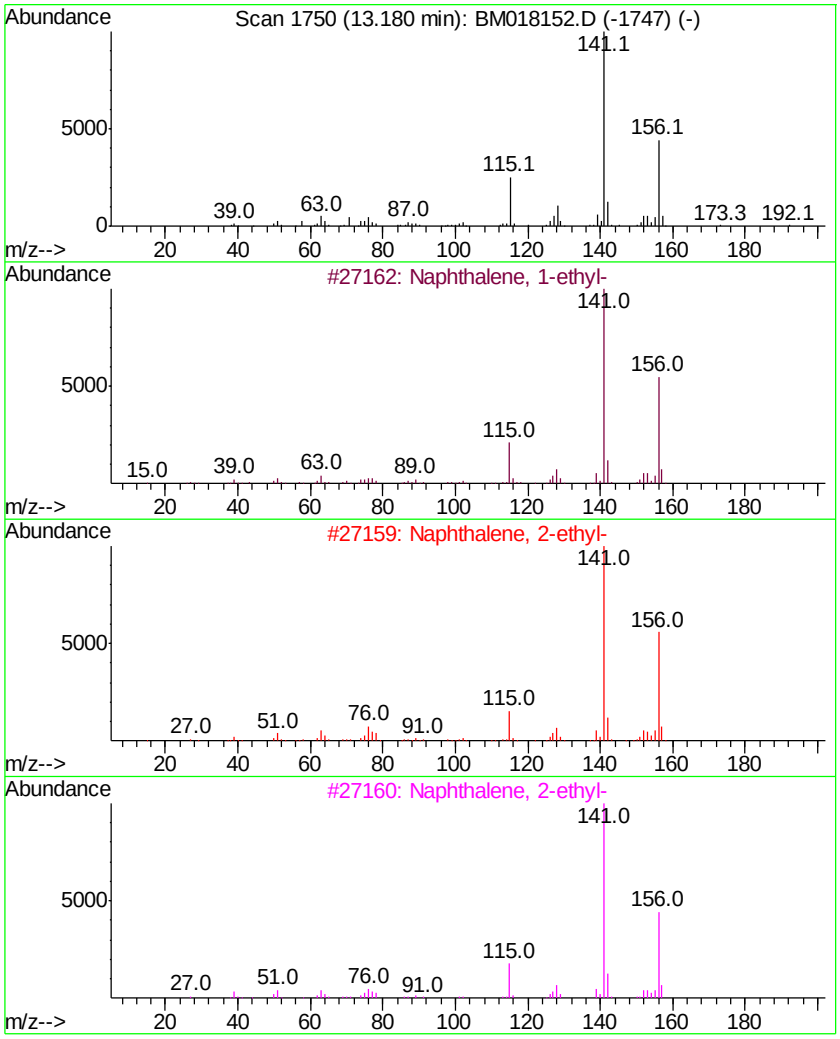
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

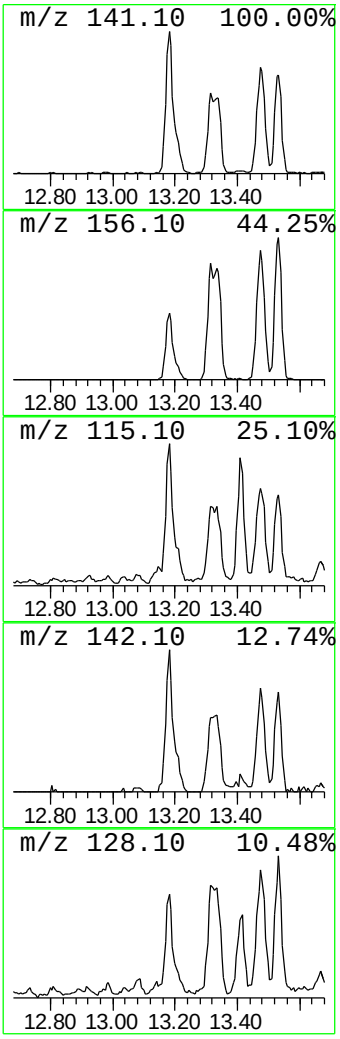
****

Peak Number 17 Naphthalene, 1-ethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	5.26 ng/ul	601330	Acenaphthene-d10	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93





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Operator : JU/SJ
Sample : J6271-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9F10

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Quant Title : SVOA CALIBRATION

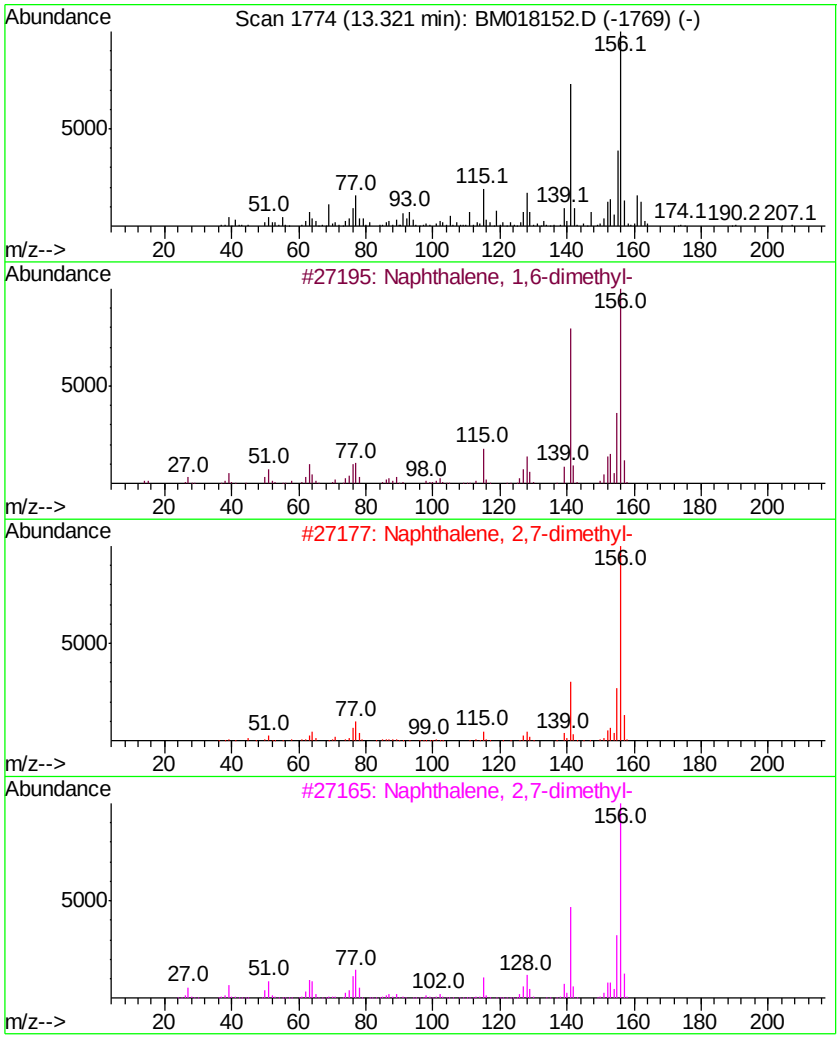
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

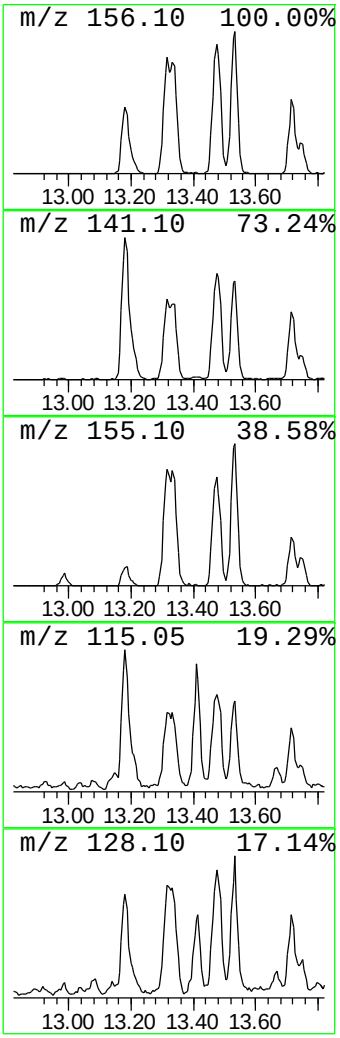
****

Peak Number 18 Naphthalene, 1,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	10.48 ng/ul	1199010	Acenaphthene-d10	14.16

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





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Sample : J6271-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9F10

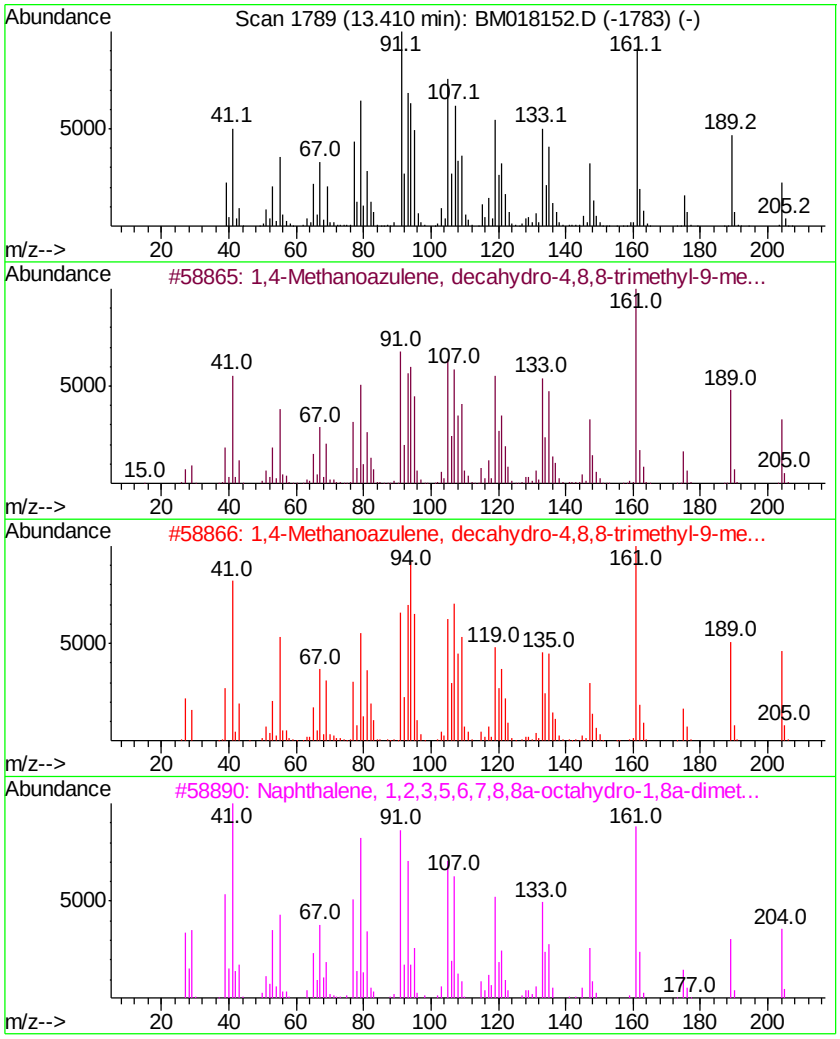
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

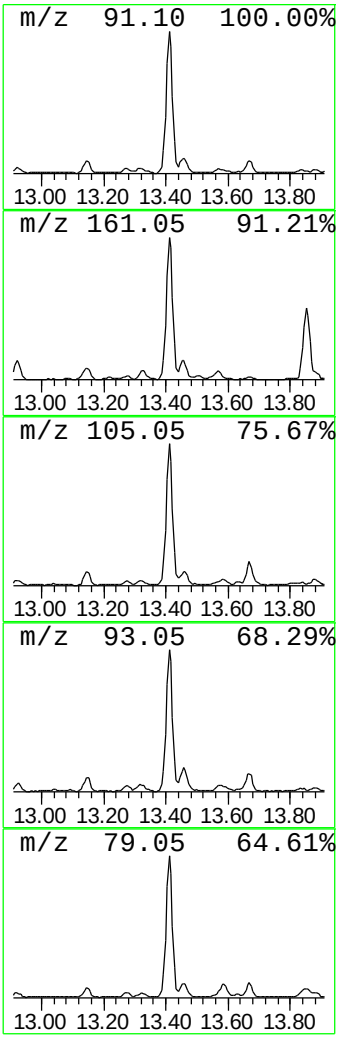
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 1,4-Methanoazulene, decahyd... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.41	45.31 ng/ul	5183670	Acenaphthene-d10	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Methanoazulene, decahydro-4,...	204	C15H24	000475-20-7	99
2	1,4-Methanoazulene, decahydro-4,...	204	C15H24	000475-20-7	99
3	Naphthalene, 1,2,3,5,6,7,8,8a-oc...	204	C15H24	004630-07-3	97
4	Naphthalene, 1,2,3,5,6,7,8,8a-oc...	204	C15H24	004630-07-3	95
5	Naphthalene, 1,2,3,5,6,7,8,8a-oc...	204	C15H24	010219-75-7	95





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Sample : J6271-03
Misc :
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Instrument : BNA_M
ClientSampleId : F9F10

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Quant Title : SVOA CALIBRATION

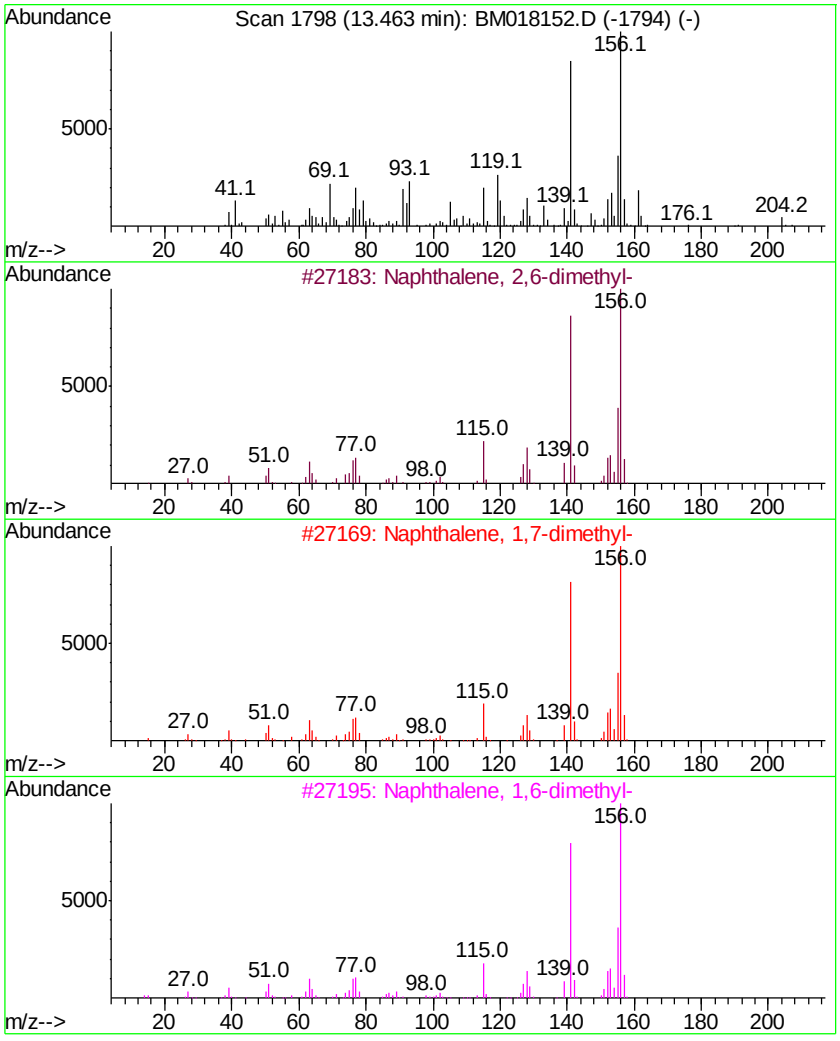
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

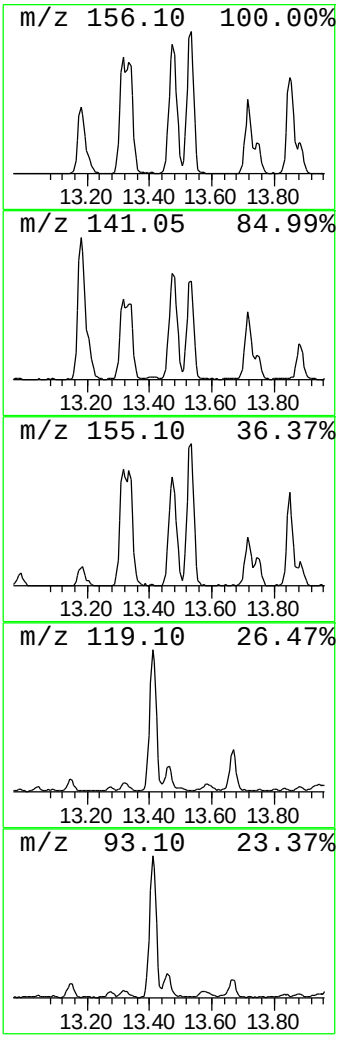
****

Peak Number 20 Naphthalene, 2,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	10.51 ng/ul	1201910	Acenaphthene-d10	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9F10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

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

****

Peak Number 22 Spiro[5.5]undeca-1,8-diene,... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.98	2.07 ng/ul	236678	Acenaphthene-d10	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Spiro[5.5]undeca-1,8-diene, 1,5,...	204	C15H24	019912-83-5	70
2	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	70
3	Bicyclogermacrene	204	C15H24	067650-90-2	62
4	Bicyclo[2.2.1]heptane, 2,2-dimet...	136	C10H16	005794-04-7	60
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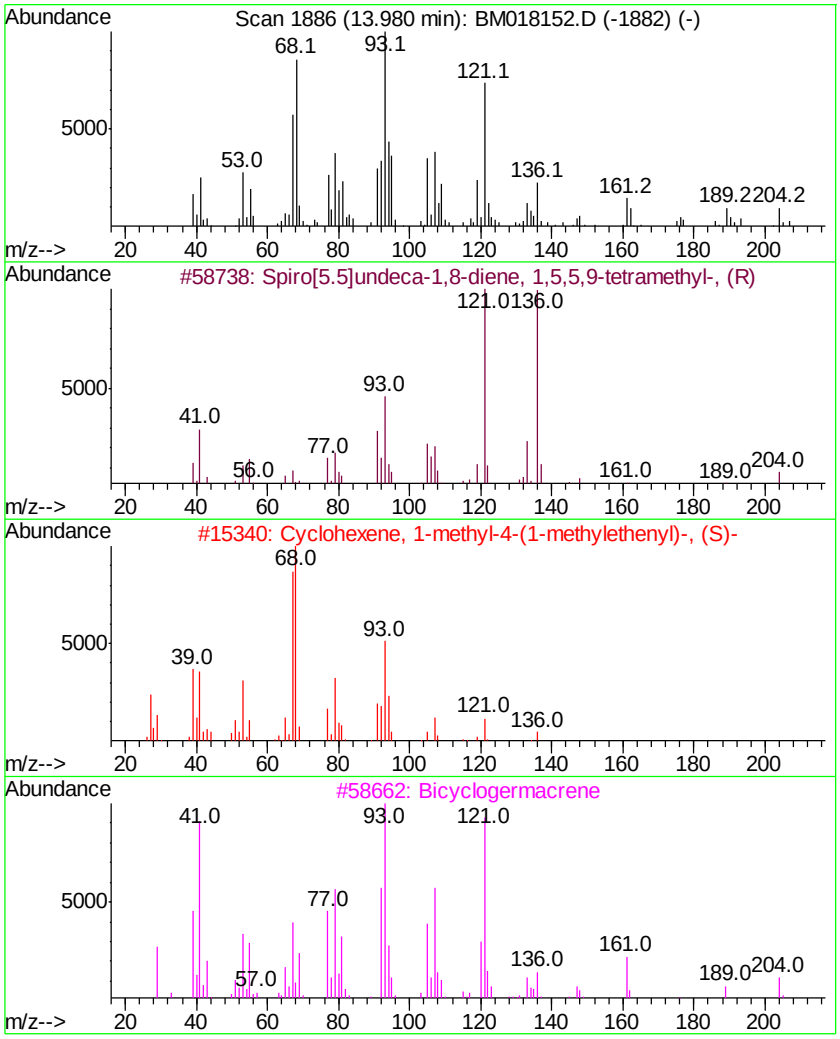

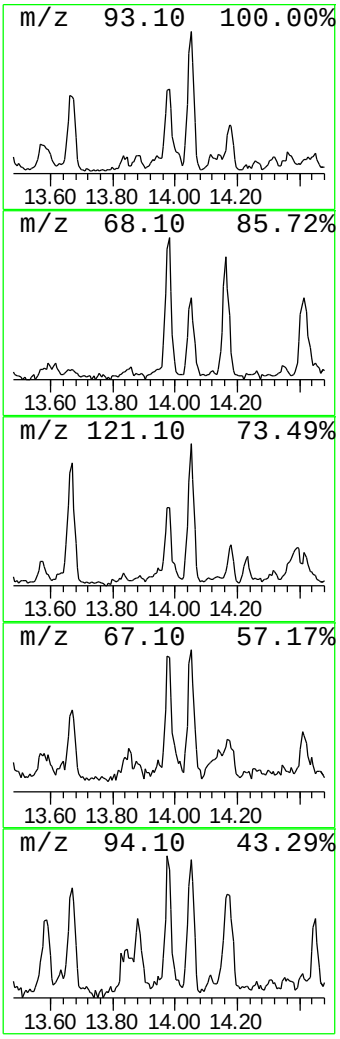

Library Search Compound Report

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ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9F10

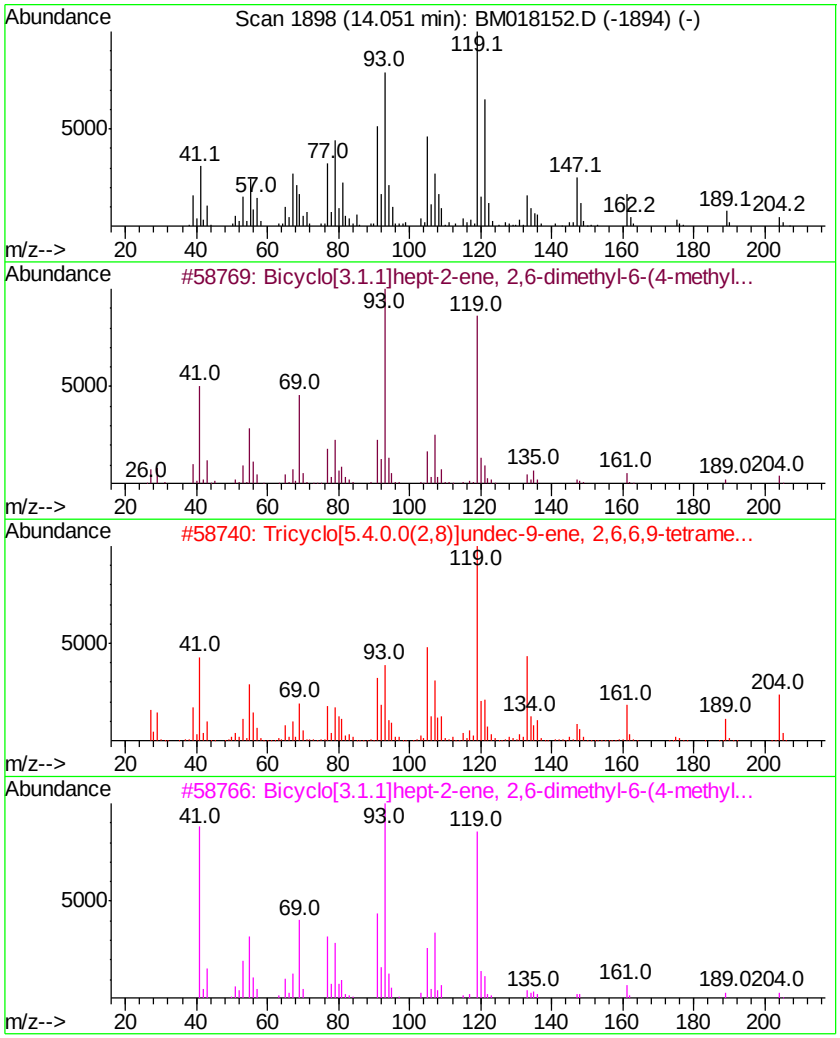
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

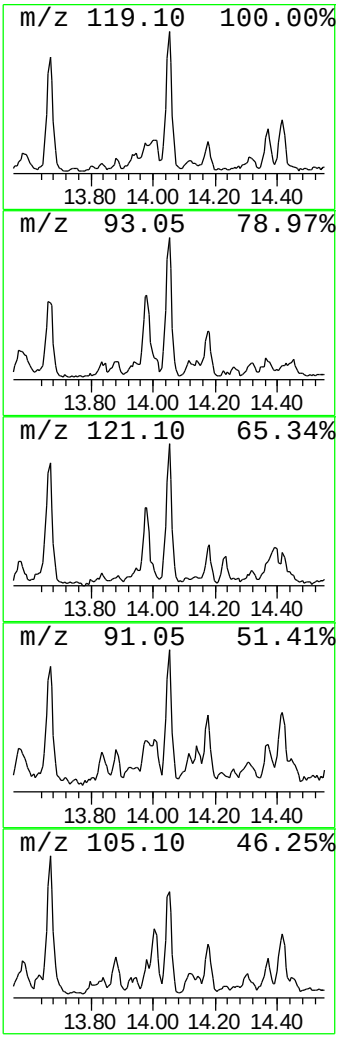
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 Bicyclo[3.1.1]hept-2-ene, 2... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.05	5.92 ng/ul	677618	Acenaphthene-d10	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]hept-2-ene, 2,6-di...	204	C15H24	017699-05-7	62
2	Tricyclo[5.4.0.0(2,8)]undec-9-en...	204	C15H24	005989-08-2	56
3	Bicyclo[3.1.1]hept-2-ene, 2,6-di...	204	C15H24	017699-05-7	53
4	trans-.alpha.-Bergamotene	204	C15H24	1000293-01-5	53
5	Bicyclo[3.1.1]heptane, 6-methyl-...	204	C15H24	055123-21-2	50





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Instrument : BNA_M
ClientSampleId : F9F10

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Quant Title : SVOA CALIBRATION

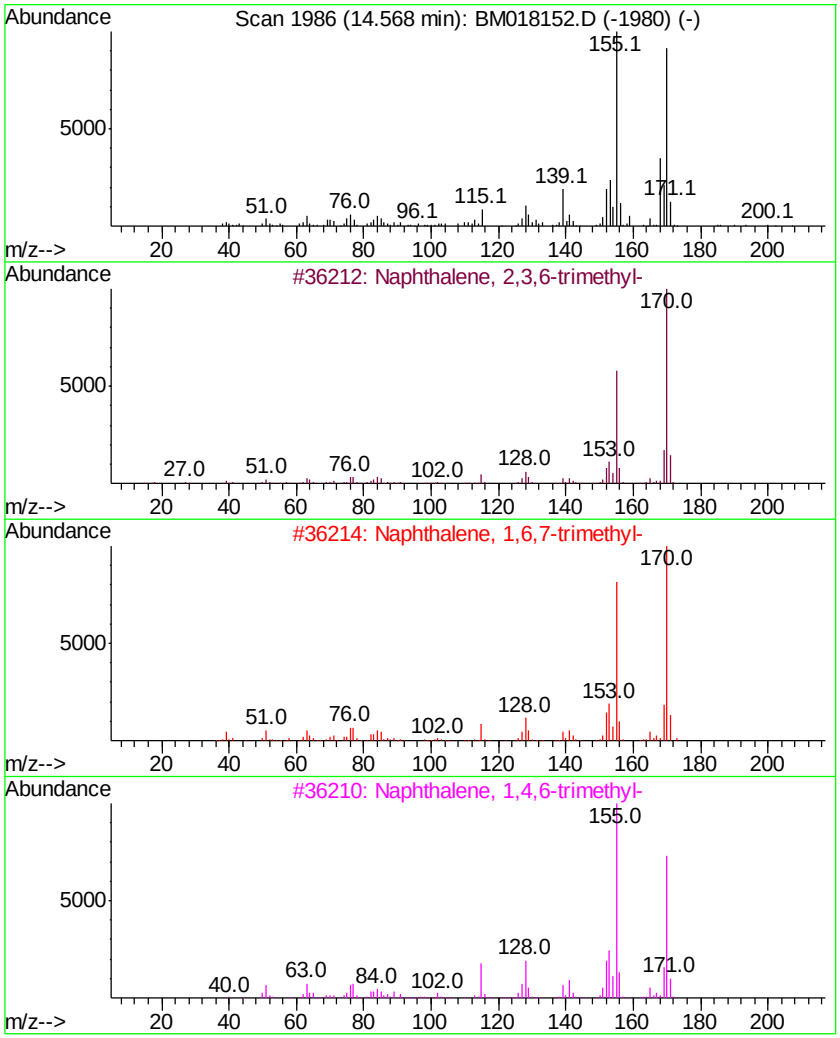
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

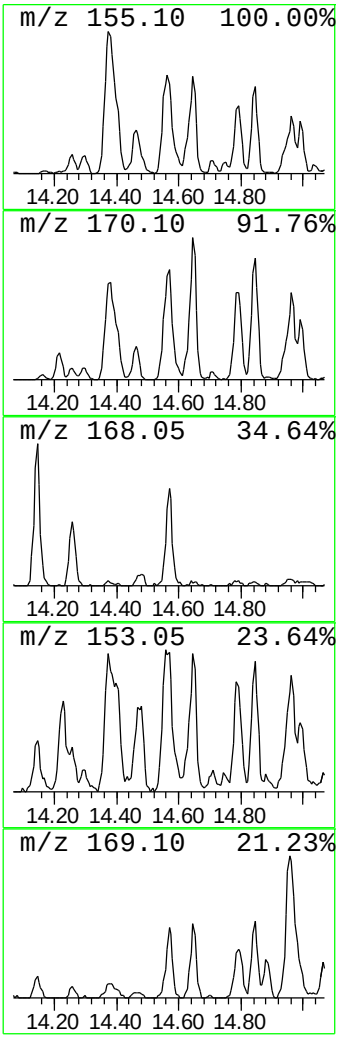
****

Peak Number 24 Naphthalene, 2,3,6-trimethyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.57	4.12 ng/ul	471505	Acenaphthene-d10	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93





Library Search Compound Report

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Data File : BM018152.D
Acq On : 14 Dec 2018 05:12
Operator : JU/SJ
Sample : J6271-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9F10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

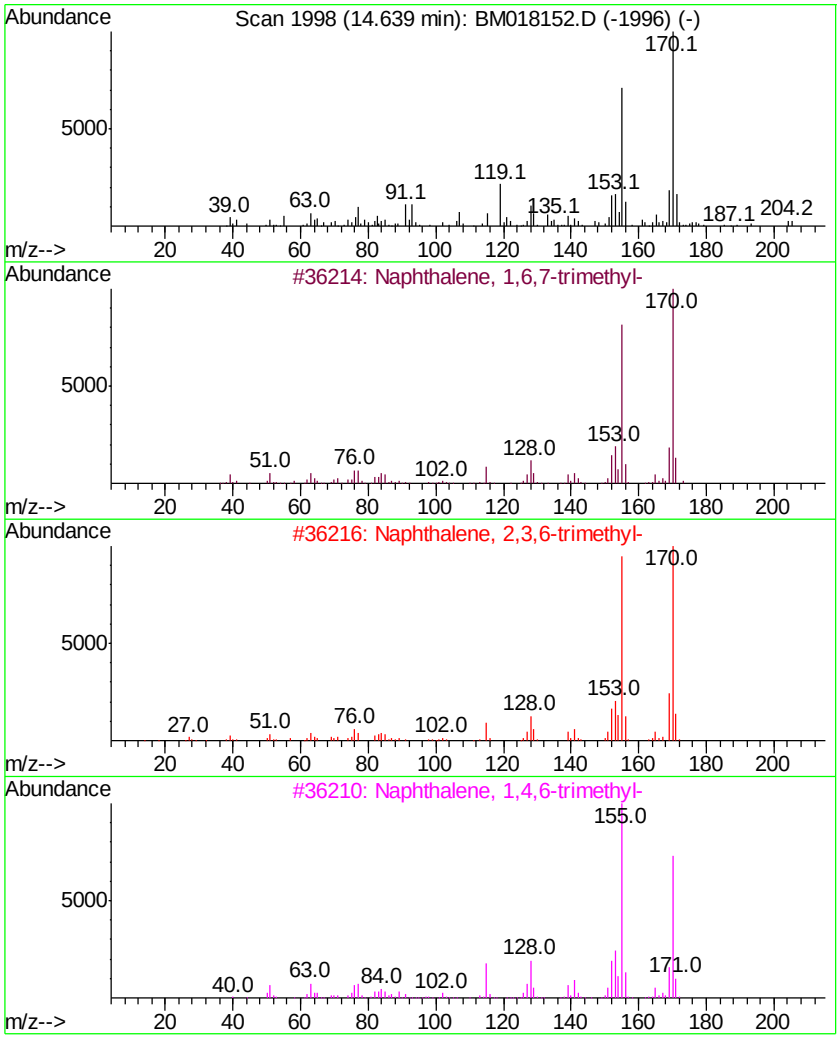
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

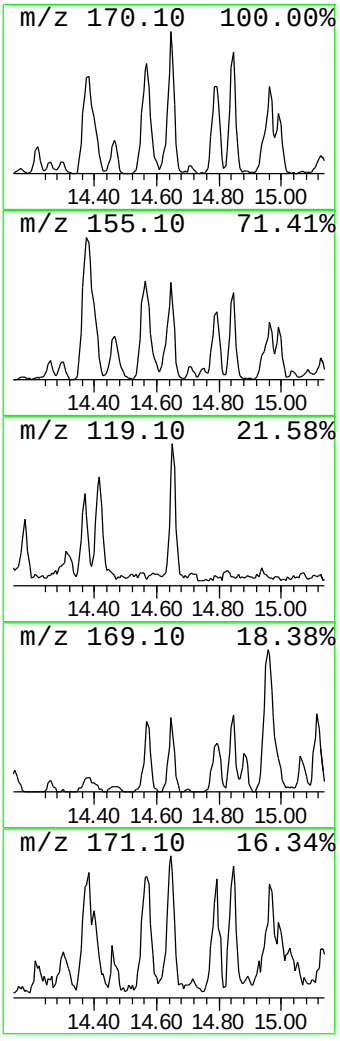
****

Peak Number 25 Naphthalene, 1,6,7-trimethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.64	4.59 ng/ul	524967	Acenaphthene-d10	14.16

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	95
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94





Library Search Compound Report

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Operator : JU/SJ
Sample : J6271-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9F10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

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

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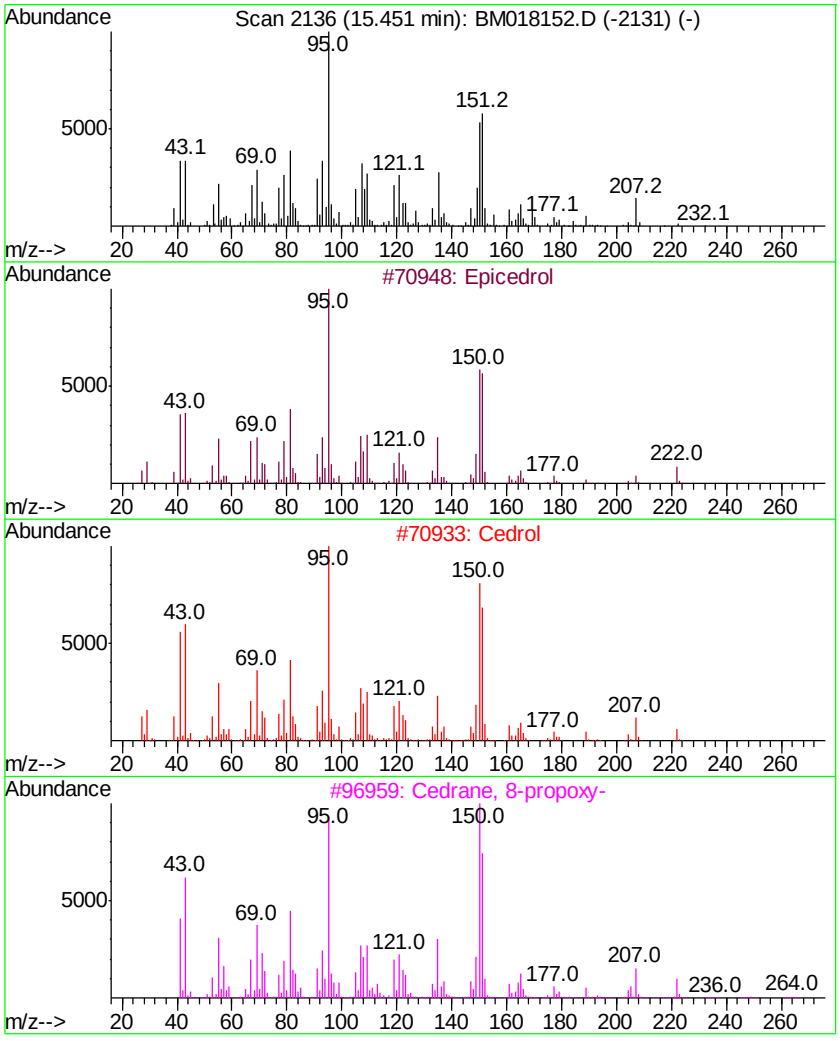
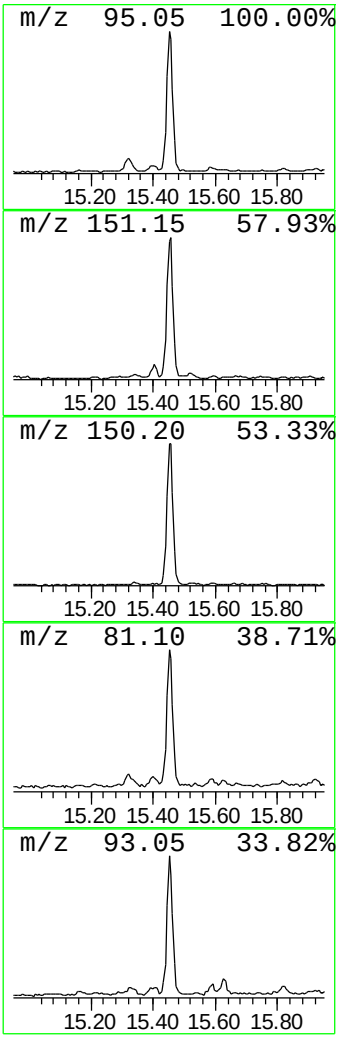
Peak Number 28 Epicedrol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.45	18.85 ng/ul	2155910	Acenaphthene-d10	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Epicedrol	222	C15H26O	1000156-22-8	91
2	Cedrol	222	C15H26O	000077-53-2	87
3	Cedrane, 8-propoxy-	264	C18H32O	019870-75-8	86
4	Cedrol	222	C15H26O	000077-53-2	68
5	Cedrol	222	C15H26O	000077-53-2	64





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Acq On : 14 Dec 2018 05:12
Operator : JU/SJ
Sample : J6271-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9F10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

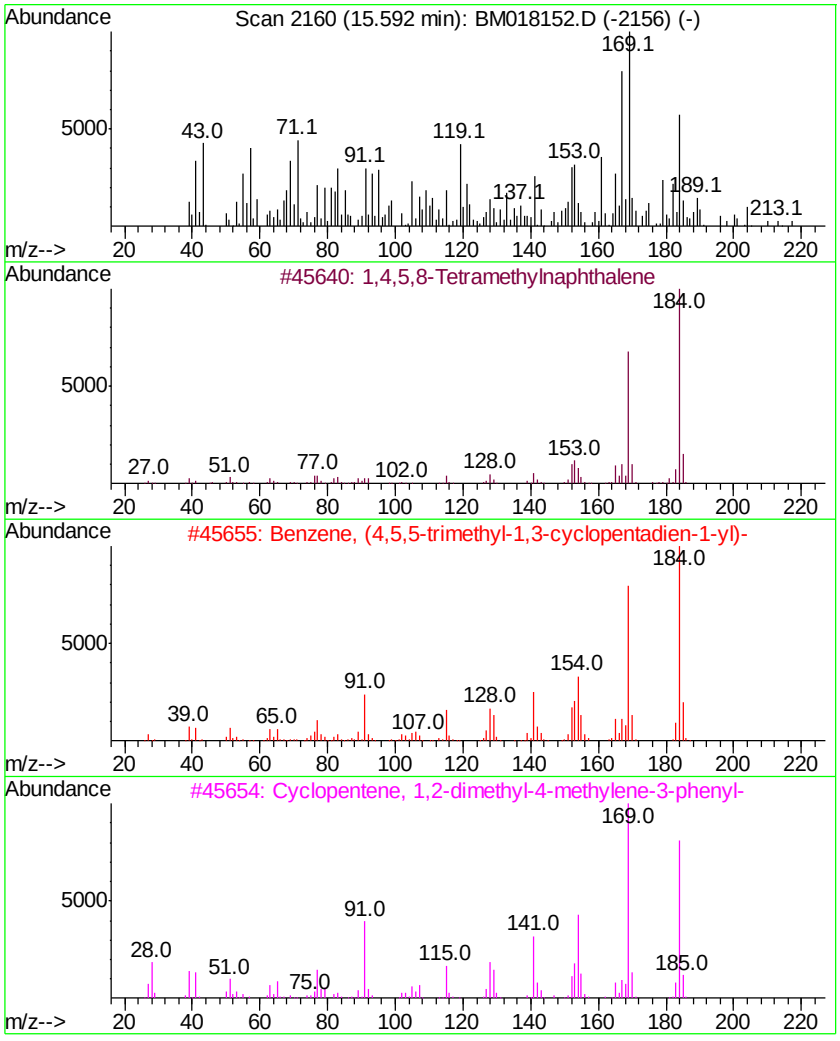
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

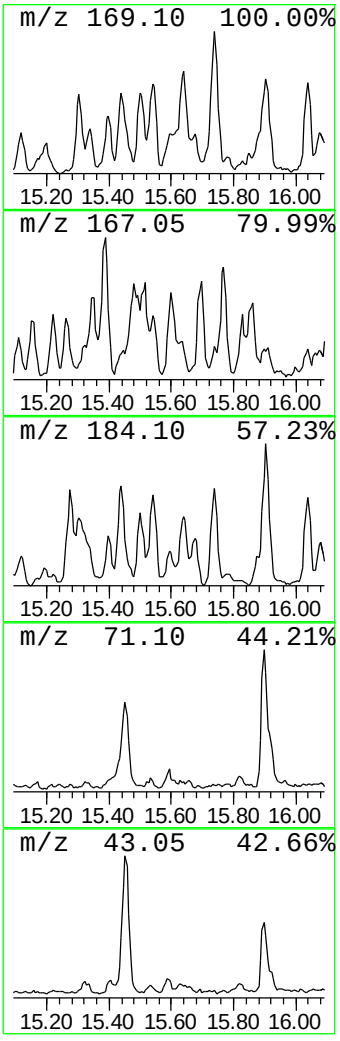
****

Peak Number 29 unknown-01 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.59	2.51 ng/ul	282965	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	46
2	Benzene, (4,5,5-trimethyl-1,3-cy...	184	C14H16	033930-85-7	46
3	Cyclopentene, 1,2-dimethyl-4-met...	184	C14H16	1000152-22-4	42
4	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	42
5	3-Methyl-5-phenylpyridine	169	C12H11N	010477-94-8	35





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Acq On : 14 Dec 2018 05:12
Operator : JU/SJ
Sample : J6271-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9F10

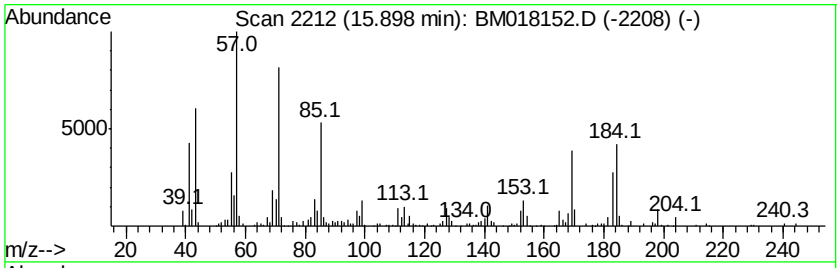
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

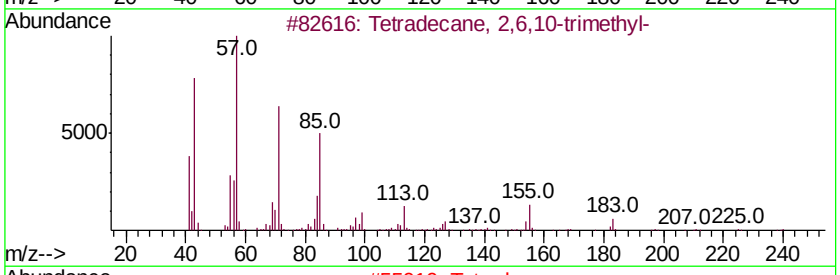
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

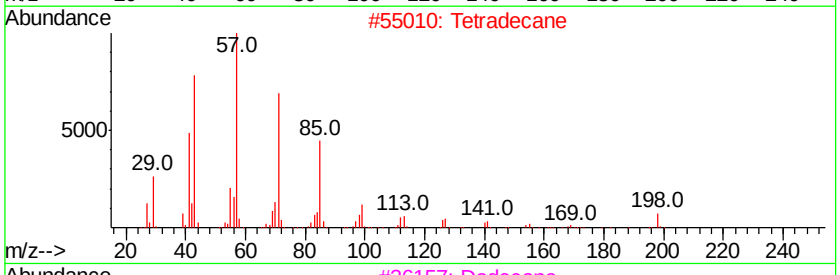
****
Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 30

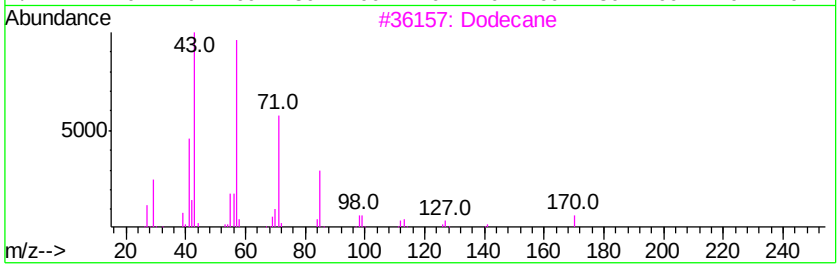
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	5.29 ng/ul	597569	Phenanthrene-d10	16.93

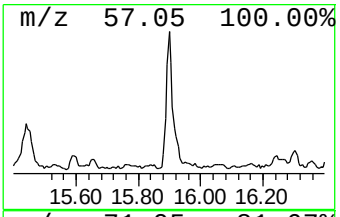
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	64
2	Tetradecane	198	C14H30	000629-59-4	64
3	Dodecane	170	C12H26	000112-40-3	50
4	Tetradecane	198	C14H30	000629-59-4	50
5	Octacosane	394	C28H58	000630-02-4	46

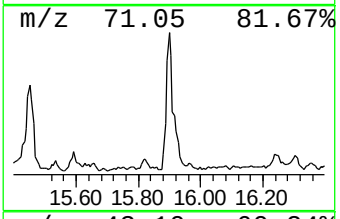


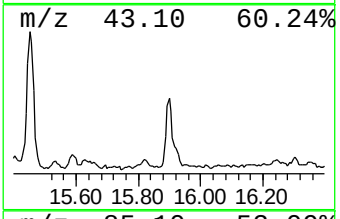


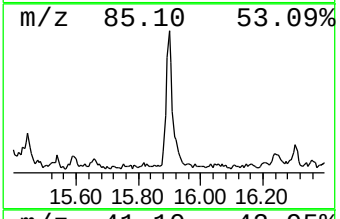


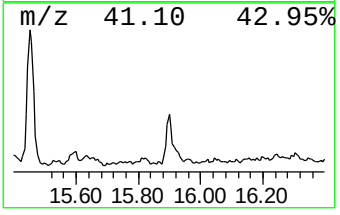












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Data File : BM018152.D
Acq On : 14 Dec 2018 05:12
Operator : JU/SJ
Sample : J6271-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9F10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

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

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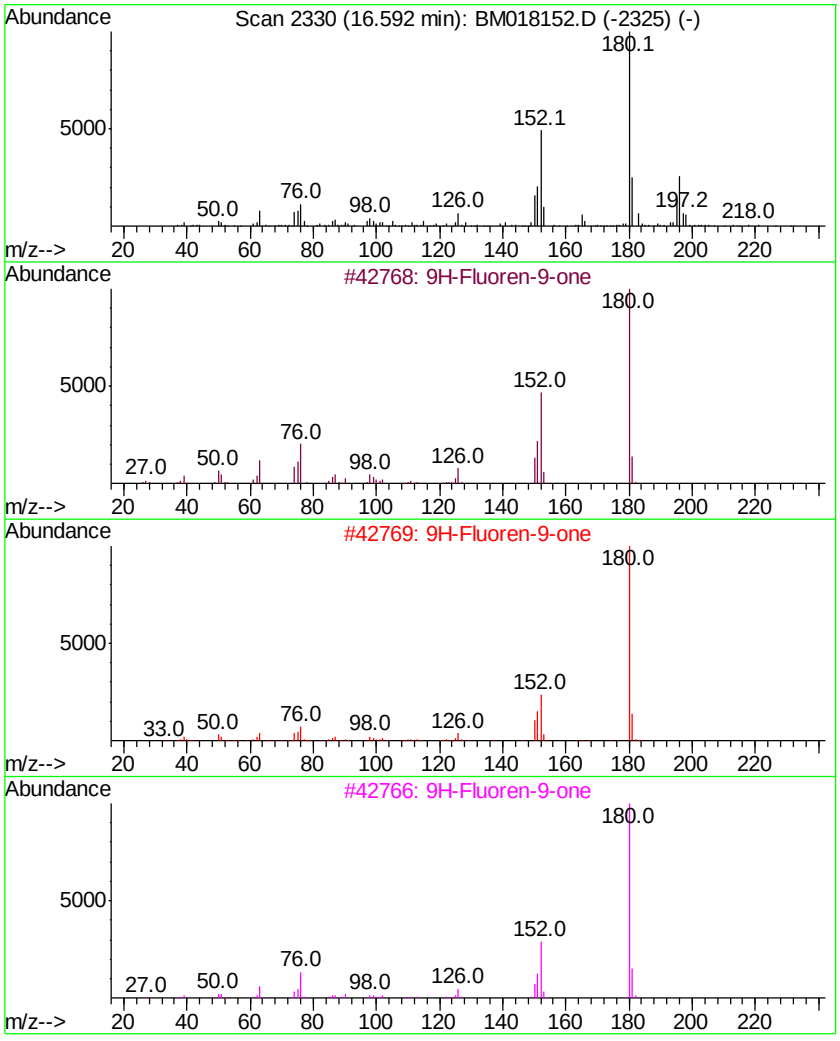
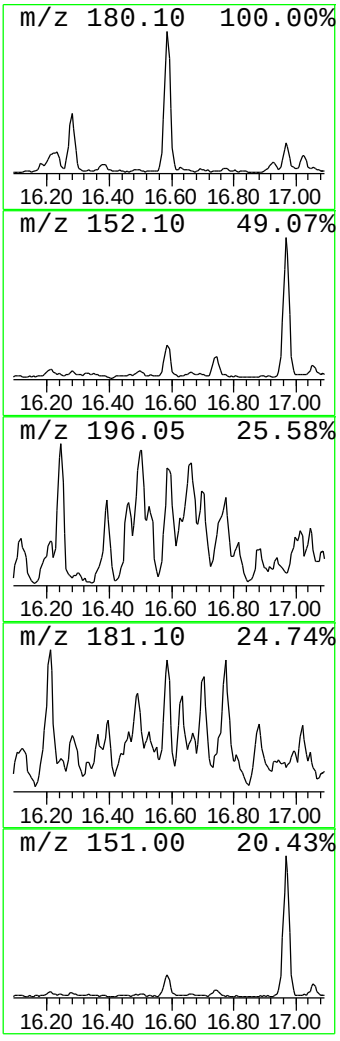
Peak Number 31 9H-Fluoren-9-one Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.59	3.84 ng/ul	432862	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	86
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	81
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	74
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	72





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Operator : JU/SJ
Sample : J6271-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9F10

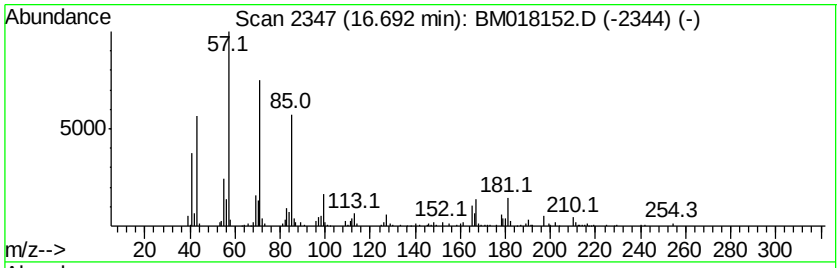
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

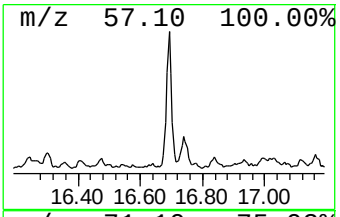
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

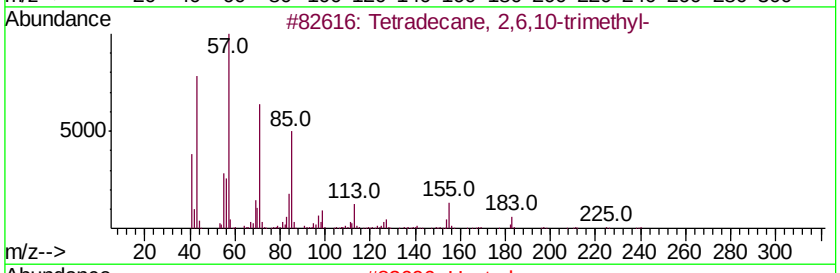
****
Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 45

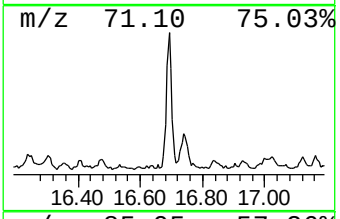
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	3.04 ng/ul	343556	Phenanthrene-d10	16.93

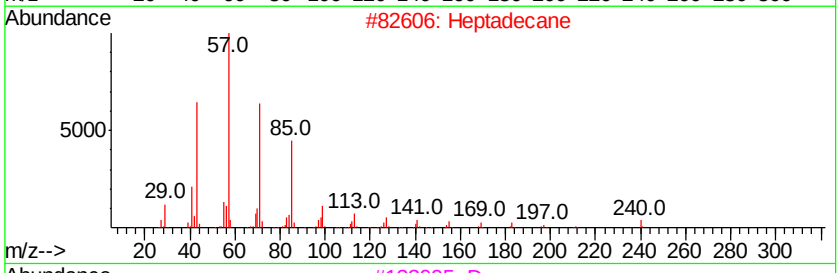
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	76
2	Heptadecane	240	C17H36	000629-78-7	59
3	Docosane	310	C22H46	000629-97-0	59
4	Undecane, 5-ethyl-5-propyl-	226	C16H34	002755-07-9	59
5	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	58

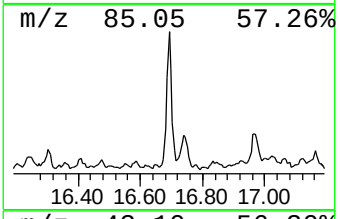


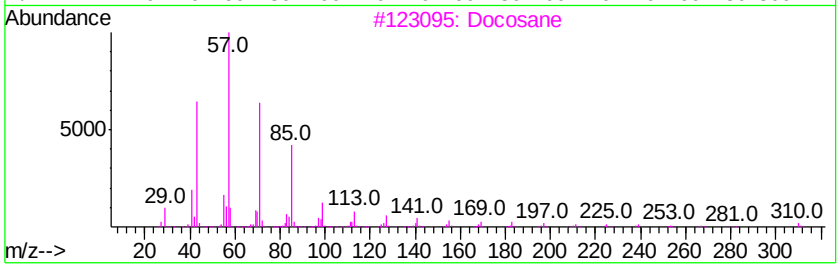


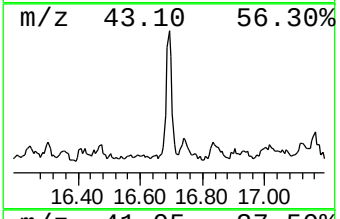


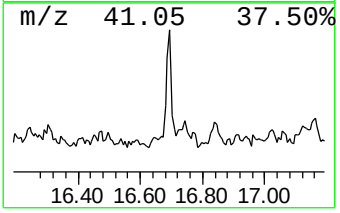












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Acq On : 14 Dec 2018 05:12
Operator : JU/SJ
Sample : J6271-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9F10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

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

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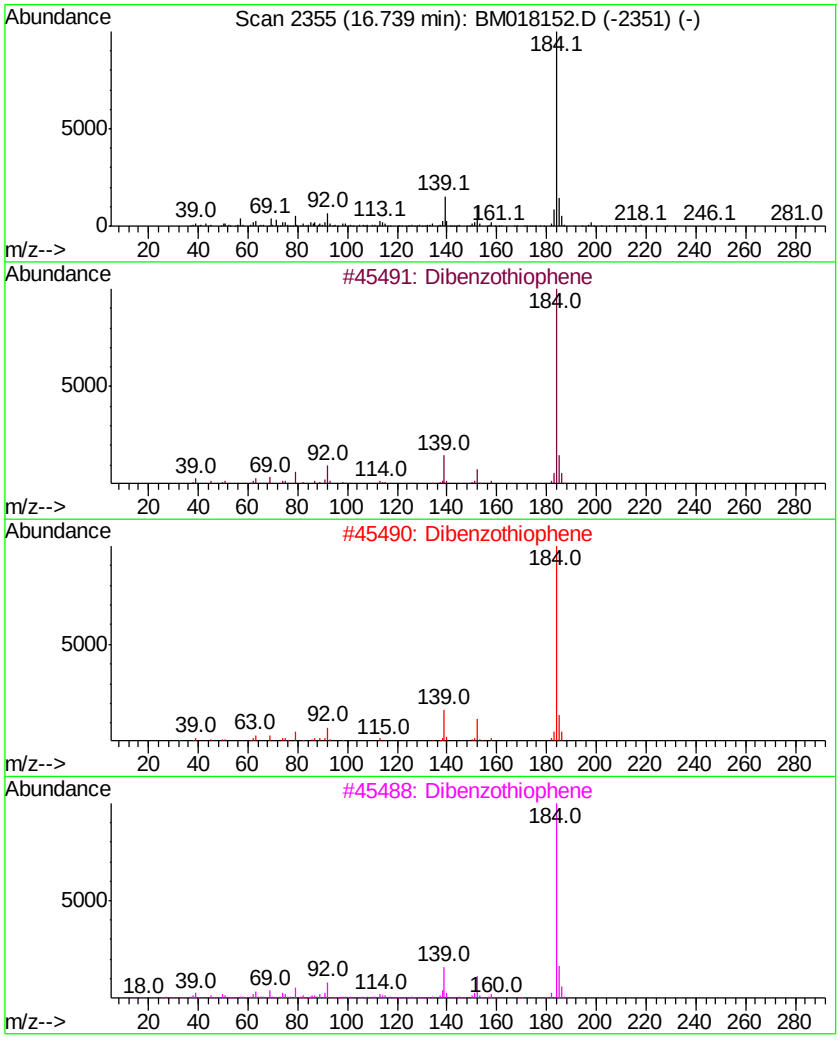
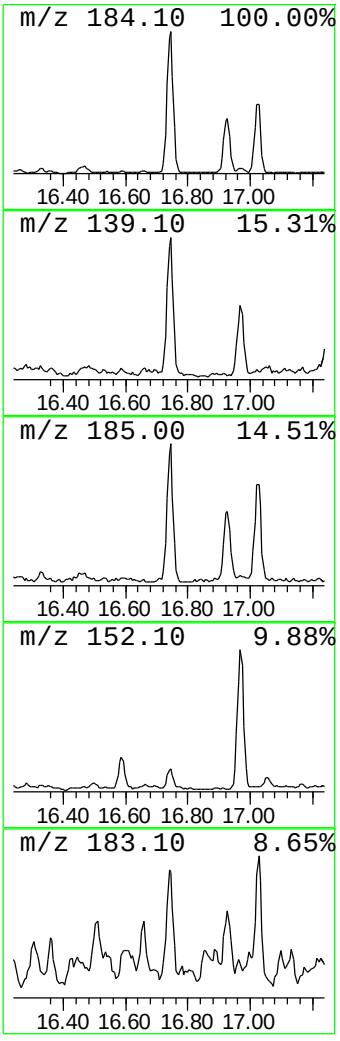
Peak Number 33 Dibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.74	7.18 ng/ul	810736	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	94
3	Dibenzothiophene	184	C12H8S	000132-65-0	93
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Dibenzothiophene	184	C12H8S	000132-65-0	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121318\
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Operator : JU/SJ
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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9F10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

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

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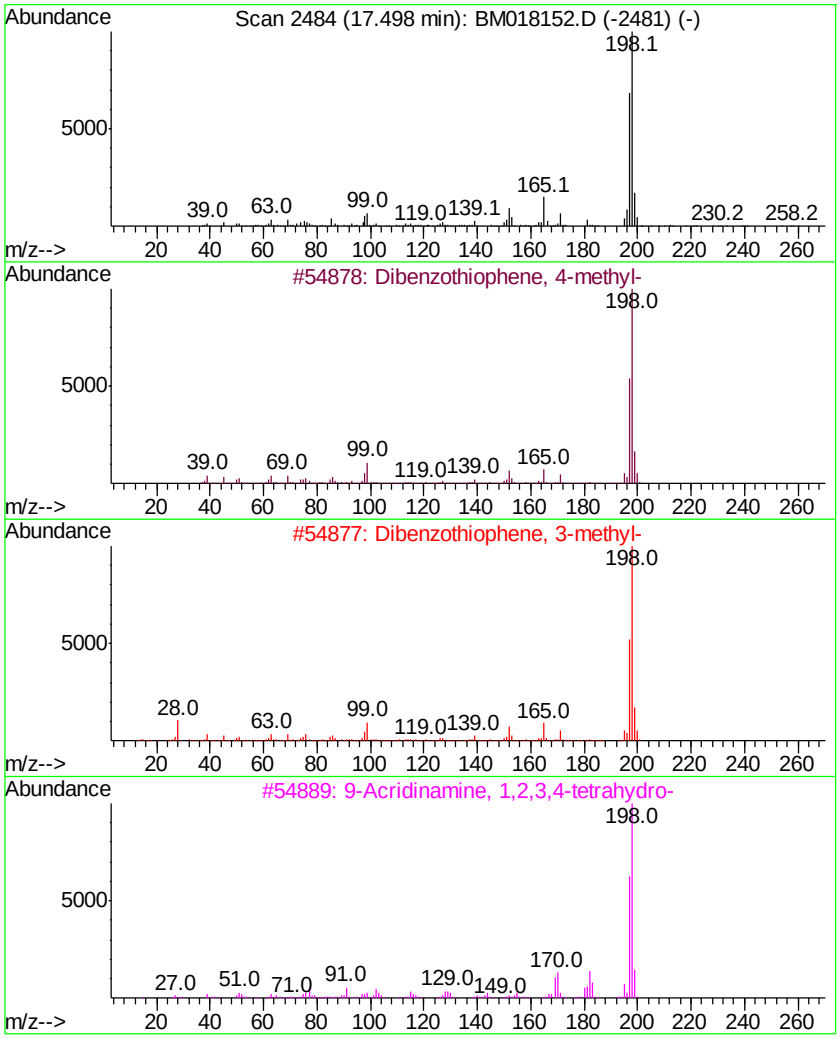
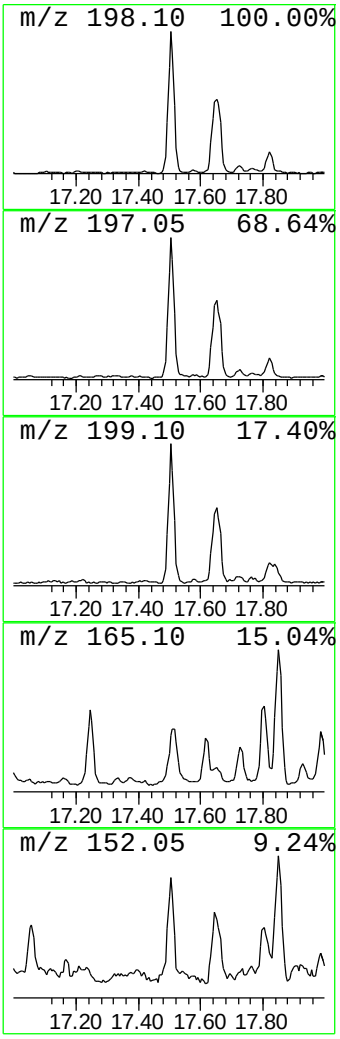
Peak Number 34 Dibenzothiophene, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.50	12.61 ng/ul	1422860	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	96
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	93
3	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	72
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	72
5	Thioxanthene	198	C13H10S	000261-31-4	70





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Misc :
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Instrument : BNA_M
ClientSampleId : F9F10

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Quant Title : SVOA CALIBRATION

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

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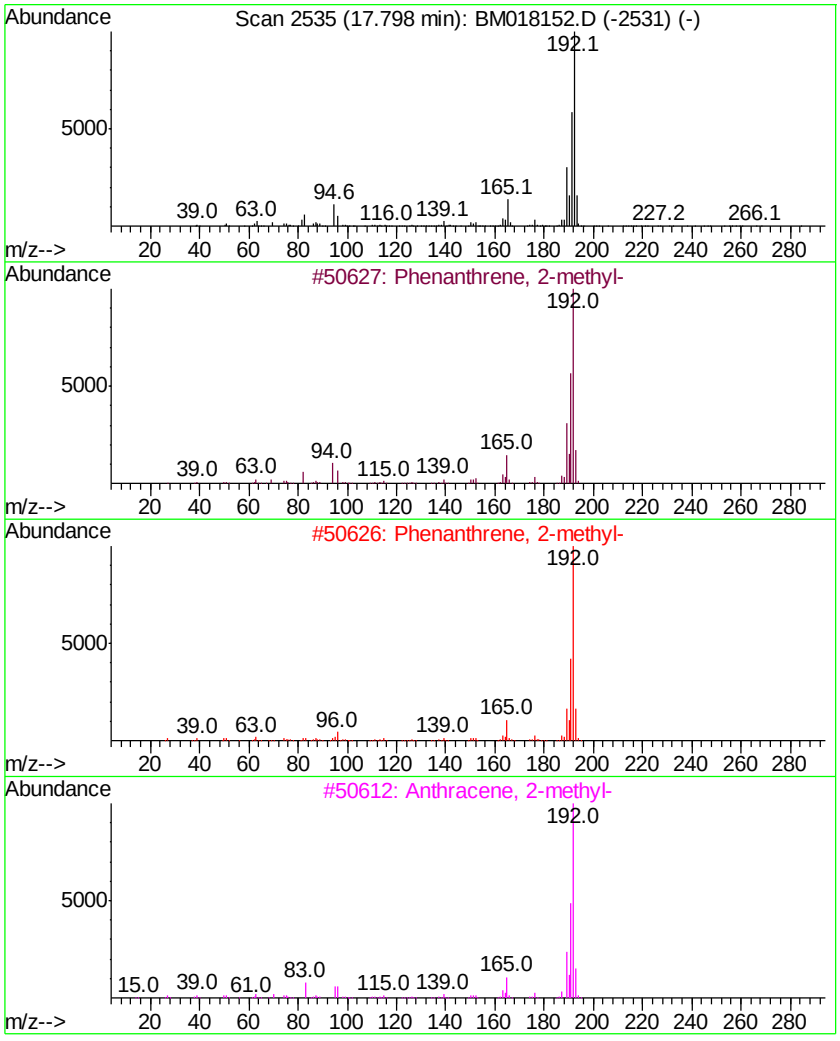
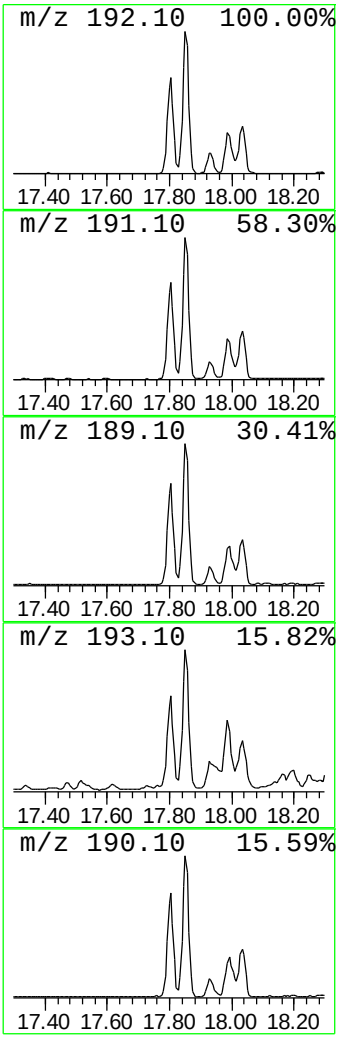
Peak Number 36 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.80	21.52 ng/ul	2429130	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





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Data File : BM018152.D
Acq On : 14 Dec 2018 05:12
Operator : JU/SJ
Sample : J6271-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9F10

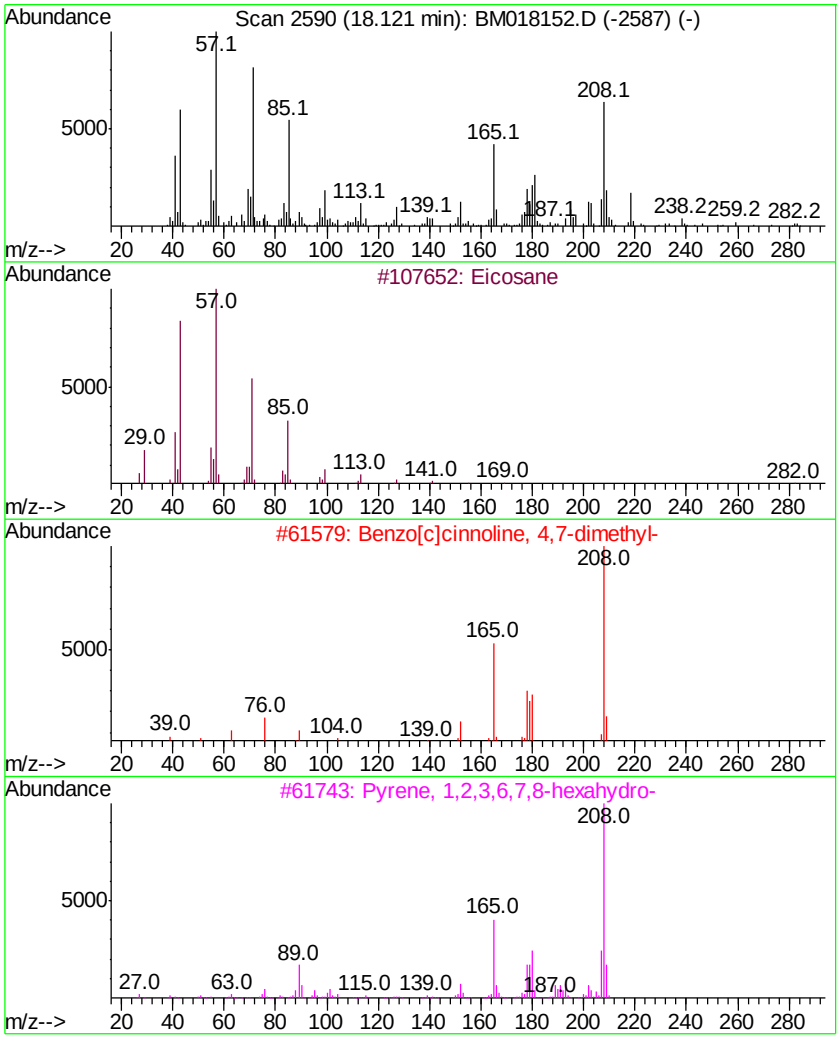
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.M
Quant Title : SVOA CALIBRATION

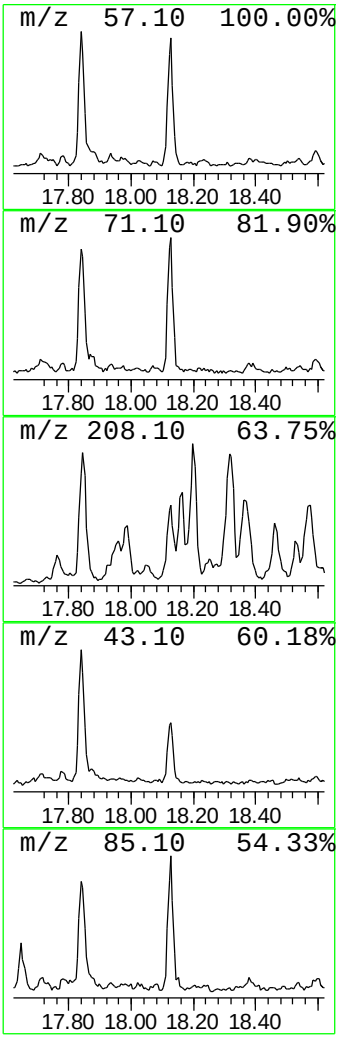
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	4.78 ng/ul	539449	Phenanthrene-d10	16.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	42
2	Benzo[c]cinnoline, 4,7-dimethyl-	208	C14H12N2	020684-54-2	42
3	Pyrene, 1,2,3,6,7,8-hexahydro-	208	C16H16	001732-13-4	42
4	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	42
5	Pentacosane	352	C25H52	000629-99-2	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM121318\
Data File : BM018152.D
Acq On : 14 Dec 2018 05:12
Operator : JU/SJ
Sample : J6271-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9F10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM121318MA.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: Str...	4.12	4.2	ng/ul	198146	1	7.51	942603	20.0
Benzene, 1-ethyl-...	6.60	5.3	ng/ul	249401	1	7.51	942603	20.0
(DEL) Alkane: Str...	7.12	3.4	ng/ul	161562	1	7.51	942603	20.0
Benzene, 1,2,3-tr...	7.15	5.8	ng/ul	273767	1	7.51	942603	20.0
Benzene, 1-ethyl-...	8.13	2.8	ng/ul	131785	1	7.51	942603	20.0
1-Phenyl-1-butene	9.67	2.3	ng/ul	189504	2	10.27	1630200	20.0
(DEL) Alkane: Str...	11.70	2.0	ng/ul	166476	2	10.27	1630200	20.0
(DEL) Alkane: Str...	12.98	2.3	ng/ul	265318	3	14.16	2288000	20.0
1,4-Methano-1H-in...	13.15	3.8	ng/ul	437144	3	14.16	2288000	20.0
Naphthalene, 1-et...	13.18	5.3	ng/ul	601330	3	14.16	2288000	20.0
Naphthalene, 1,6-...	13.32	10.5	ng/ul	1199010	3	14.16	2288000	20.0
1,4-Methanoazulen...	13.41	45.3	ng/ul	5183670	3	14.16	2288000	20.0
Naphthalene, 2,6-...	13.46	10.5	ng/ul	1201910	3	14.16	2288000	20.0
Spiro[5.5]undeca-...	13.98	2.1	ng/ul	236678	3	14.16	2288000	20.0
Bicyclo[3.1.1]hep...	14.05	5.9	ng/ul	677618	3	14.16	2288000	20.0
Naphthalene, 2,3,...	14.57	4.1	ng/ul	471505	3	14.16	2288000	20.0
Naphthalene, 1,6,...	14.64	4.6	ng/ul	524967	3	14.16	2288000	20.0
Epicedrol	15.45	18.9	ng/ul	2155910	3	14.16	2288000	20.0
unknown-01	15.59	2.5	ng/ul	282965	4	16.93	2257150	20.0
(DEL) Alkane: Str...	15.90	5.3	ng/ul	597569	4	16.93	2257150	20.0
9H-Fluoren-9-one	16.59	3.8	ng/ul	432862	4	16.93	2257150	20.0
(DEL) Alkane: Str...	16.69	3.0	ng/ul	343556	4	16.93	2257150	20.0
Dibenzothiophene	16.74	7.2	ng/ul	810736	4	16.93	2257150	20.0
Dibenzothiophene,...	17.50	12.6	ng/ul	1422860	4	16.93	2257150	20.0
Phenanthrene, 2-m...	17.80	21.5	ng/ul	2429130	4	16.93	2257150	20.0
(DEL) Alkane: Str...	18.12	4.8	ng/ul	539449	4	16.93	2257150	20.0