LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040919\
Data File : BM019858.D
Acq On : 10 Apr 2019 10:46
Operator : JU/SJ
Sample : K2188-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF649

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-BM032219MA.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	3.110	18	21	29	rVB	34895	51759	0.95%	0.109%
2	3.610	103	106	114	rVB	32581	46410	0.85%	0.098%
3	3.804	133	139	146	rBV	484889	657493	12.10%	1.388%
4	5.551	433	436	446	rVB6	11498	26797	0.49%	0.057%
5	6.516	595	600	604	rVB6	13203	22067	0.41%	0.047%
6	6.669	621	626	632	rVB6	14668	31452	0.58%	0.066%
7	6.745	632	639	651	rBV	329305	602283	11.09%	1.271%
8	6.904	660	666	677	rBV	289013	498657	9.18%	1.052%
9	7.087	691	697	703	rVV	399938	642823	11.83%	1.357%
10	7.134	703	705	710	rVV	23171	30173	0.56%	0.064%
11	7.487	760	765	770	rVB	49361	74108	1.36%	0.156%
12	7.551	770	776	785	rBV	464924	775201	14.27%	1.636%
13	7.698	797	801	804	rVB4	22117	31718	0.58%	0.067%
14	7.792	814	817	823	rVB3	19212	30670	0.56%	0.065%
15	7.934	836	841	849	rBV8	13467	31923	0.59%	0.067%
16	8.028	850	857	860	rBV4	20870	40787	0.75%	0.086%
17	8.092	865	868	873	rVB	28295	39921	0.73%	0.084%
18	8.169	875	881	889	rBV6	32101	86810	1.60%	0.183%
19	8.275	893	899	907	rBV	435612	738174	13.59%	1.558%
20	8.339	907	910	917	rVB9	14705	24655	0.45%	0.052%
21	8.616	952	957	962	rVB4	25375	55263	1.02%	0.117%
22	8.722	967	975	986	rVB2	407852	757511	13.94%	1.599%
23	8.810	986	990	993	rBV3	22138	36960	0.68%	0.078%
24	8.863	995	999	1007	rVB9	26136	52651	0.97%	0.111%
25	8.963	1012	1016	1021	rVB7	27158	51329	0.94%	0.108%
26	9.139	1040	1046	1050	rBV2	38417	64480	1.19%	0.136%
27	9.222	1056	1060	1064	rVB5	19098	29980	0.55%	0.063%
28	9.257	1064	1066	1073	rVB4	18502	25944	0.48%	0.055%
29	9.375	1082	1086	1090	rBV2	27039	44526	0.82%	0.094%
30	9.434	1090	1096	1102	rBV	291402	517355	9.52%	1.092%
31	9.575	1113	1120	1124	rVB3	31442	76586	1.41%	0.162%
32	9.639	1128	1131	1135	rVV	23035	27112	0.50%	0.057%
33	9.722	1140	1145	1153	rVB3	61615	105419	1.94%	0.222%
34	9.828	1159	1163	1167	rVB	25528	32141	0.59%	0.068%

LSC Area Percent Report

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Acq On : 10 Apr 2019 10:46
Operator : JU/SJ
Sample : K2188-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF649

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-BM032219MA.M
Title : SVOA CALIBRATION

35	9.869	1167	1170	1174	rBV4	14221	25593	0.47%	0.054%
36	9.975	1181	1188	1201	rBV	387739	780076	14.36%	1.646%
37	10.192	1220	1225	1231	rVV10	12137	26474	0.49%	0.056%
38	10.269	1233	1238	1242	rBV	90894	142471	2.62%	0.301%
39	10.328	1242	1248	1254	rVV	574063	934127	17.19%	1.971%
40	10.451	1264	1269	1272	rVB	34553	47066	0.87%	0.099%
41	10.498	1272	1277	1288	rBV	217809	459621	8.46%	0.970%
42	10.775	1321	1324	1331	rVB9	12673	21410	0.39%	0.045%
43	11.210	1394	1398	1406	rVB8	16912	35579	0.65%	0.075%
44	11.316	1411	1416	1421	rBV	34373	58014	1.07%	0.122%
45	11.727	1481	1486	1491	rBV3	46826	78880	1.45%	0.166%
46	11.951	1521	1524	1528	rVB4	19921	26341	0.48%	0.056%
47	12.004	1528	1533	1538	rBV	49637	81531	1.50%	0.172%
48	12.204	1562	1567	1568	rBV4	13919	23188	0.43%	0.049%
49	12.227	1568	1571	1579	rVB	36563	62308	1.15%	0.131%
50	12.375	1590	1596	1601	rBV8	19536	39246	0.72%	0.083%
51	12.445	1601	1608	1610	rBV8	11094	27067	0.50%	0.057%
52	12.598	1631	1634	1640	rVB8	20793	33724	0.62%	0.071%
53	12.698	1647	1651	1656	rVV	56090	81783	1.51%	0.173%
54	12.998	1699	1702	1707	rVB	39794	54628	1.01%	0.115%
55	13.239	1738	1743	1754	rVB4	25439	67034	1.23%	0.141%
56	13.386	1760	1768	1772	rBV3	69245	160430	2.95%	0.339%
57	13.445	1776	1778	1784	rVB6	29093	46317	0.85%	0.098%
58	13.527	1786	1792	1797	rBV3	75516	146682	2.70%	0.310%
59	13.580	1797	1801	1805	rBV	79848	126626	2.33%	0.267%
60	13.633	1805	1810	1816	rBV	684239	968323	17.82%	2.044%
61	13.769	1829	1833	1835	rBV2	25921	35452	0.65%	0.075%
62	13.869	1847	1850	1851	rBV2	41177	40221	0.74%	0.085%
63	13.904	1851	1856	1865	rVB	843399	1245032	22.92%	2.628%
64	14.092	1884	1888	1889	rBV2	53401	58512	1.08%	0.123%
65	14.216	1903	1909	1916	rVB2	754317	1147418	21.12%	2.422%
66	14.427	1941	1945	1952	rVB5	60916	136581	2.51%	0.288%
67	14.498	1952	1957	1966	rBV4	149438	355944	6.55%	0.751%
68	14.592	1970	1973	1974	rBV2	32837	36004	0.66%	0.076%
69	14.645	1979	1982	1986	rVV3	62919	88790	1.63%	0.187%
70	14.692	1986	1990	1996	rVB3	83656	132072	2.43%	0.279%
71	14.833	2010	2014	2020	rBV2	76350	128898	2.37%	0.272%

LSC Area Percent Report

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Acq On : 10 Apr 2019 10:46
Operator : JU/SJ
Sample : K2188-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF649

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-BM032219MA.M
Title : SVOA CALIBRATION

72	14.886	2020	2023	2029	rVV	48650	67325	1.24%	0.142%
73	14.986	2036	2040	2041	rBV4	27433	36705	0.68%	0.077%
74	15.045	2047	2050	2056	rVB2	61436	94437	1.74%	0.199%
75	15.174	2069	2072	2075	rBV4	40351	63728	1.17%	0.134%
76	15.216	2075	2079	2085	rVB	1010725	1359568	25.02%	2.869%
77	15.310	2092	2095	2101	rVB4	45698	81631	1.50%	0.172%
78	15.380	2103	2107	2114	rBV3	127402	244007	4.49%	0.515%
79	15.939	2199	2202	2210	rVB2	203825	298511	5.49%	0.630%
80	16.080	2223	2226	2229	rBV2	77693	89832	1.65%	0.190%
81	16.327	2266	2268	2271	rBV4	63424	77249	1.42%	0.163%
82	16.710	2331	2333	2337	rBV	73992	72573	1.34%	0.153%
83	16.974	2374	2378	2383	rBV2	869445	1200600	22.10%	2.534%
84	17.074	2390	2395	2402	rVB2	1062613	1562022	28.75%	3.296%
85	17.374	2442	2446	2450	rBV5	124971	223188	4.11%	0.471%
86	17.562	2475	2478	2484	rVB3	144041	212174	3.91%	0.448%
87	17.874	2525	2531	2546	rVB2	1235809	2062746	37.97%	4.353%
88	18.786	2682	2686	2692	rBV2	306565	506577	9.32%	1.069%
89	18.874	2699	2701	2705	rBV	143268	142104	2.62%	0.300%
90	19.174	2746	2752	2767	rBV	3719161	5433139	100.00%	11.466%
91	19.386	2784	2788	2792	rBV2	1462474	2035308	37.46%	4.295%
92	20.286	2938	2941	2948	rVB2	1438015	1831271	33.71%	3.865%
93	20.886	3040	3043	3052	rVB	688850	929387	17.11%	1.961%
94	21.192	3092	3095	3102	rVB	1382040	1745373	32.12%	3.683%
95	21.744	3187	3189	3193	rVB	805212	859251	15.82%	1.813%
96	22.197	3263	3266	3271	rVB	1078455	1253715	23.08%	2.646%
97	22.686	3346	3349	3354	rVB	1513967	2143281	39.45%	4.523%
98	23.239	3439	3443	3452	rVB2	1714524	4357253	80.20%	9.196%
99	23.397	3467	3470	3479	rVB	1080410	1830316	33.69%	3.863%
100	23.856	3545	3548	3558	rVB	1277959	2250527	41.42%	4.750%

Sum of corrected areas: 47384399

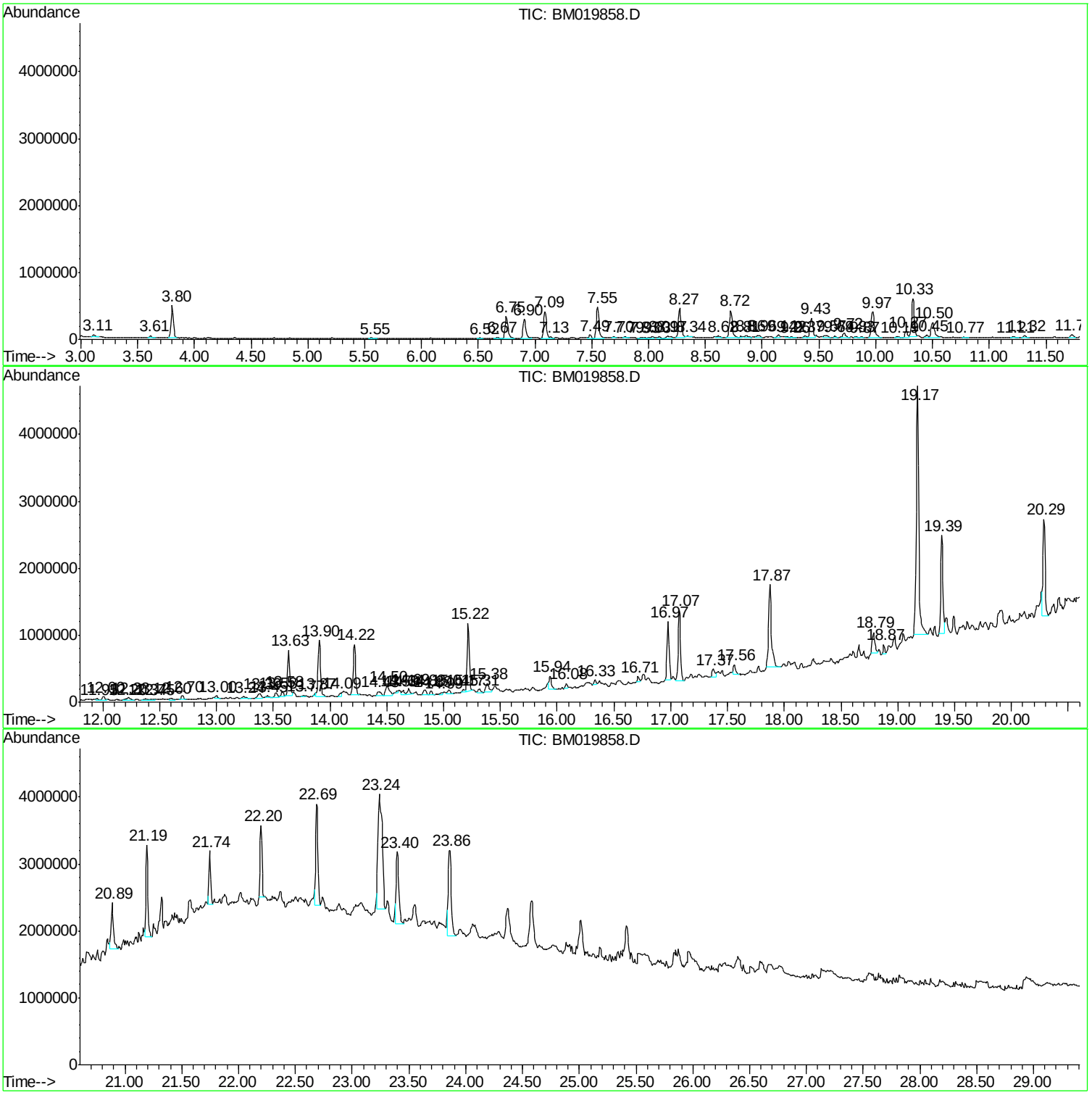
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040919\
Data File : BM019858.D
Acq On : 10 Apr 2019 10:46
Operator : JU/SJ
Sample : K2188-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF649

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040919\
Data File : BM019858.D
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Sample : K2188-02
Misc :
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Instrument : BNA_M
ClientSampleId : BF649

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

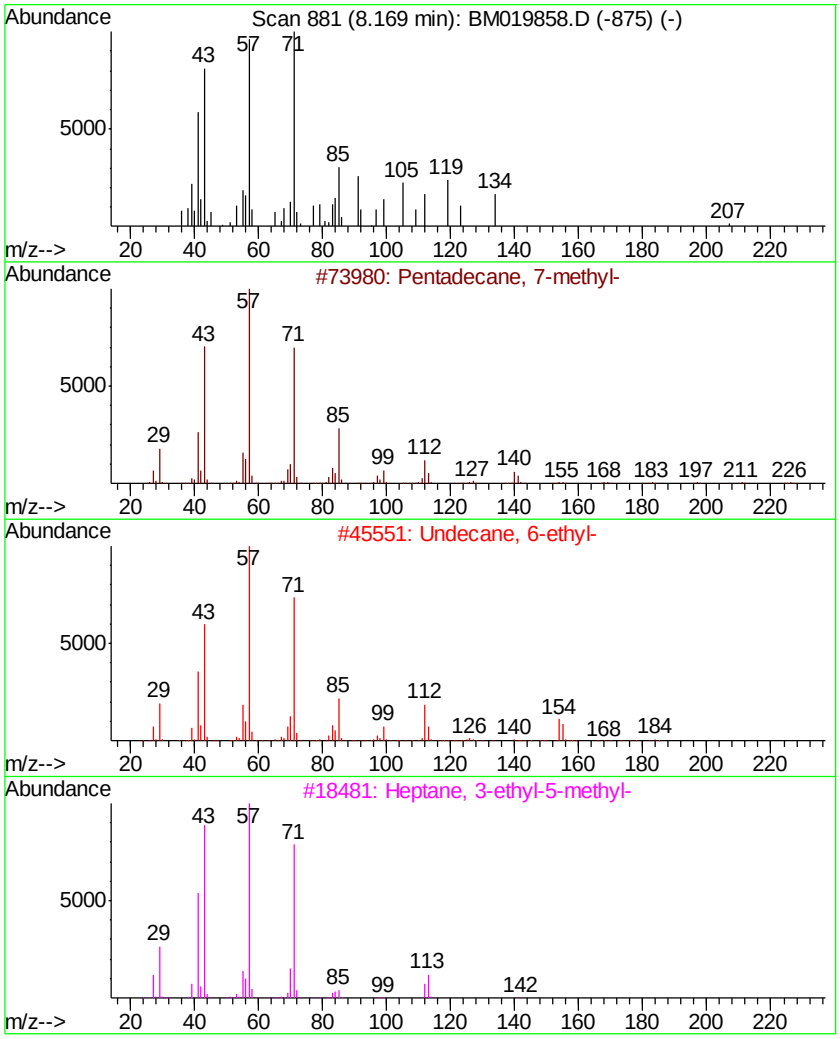
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

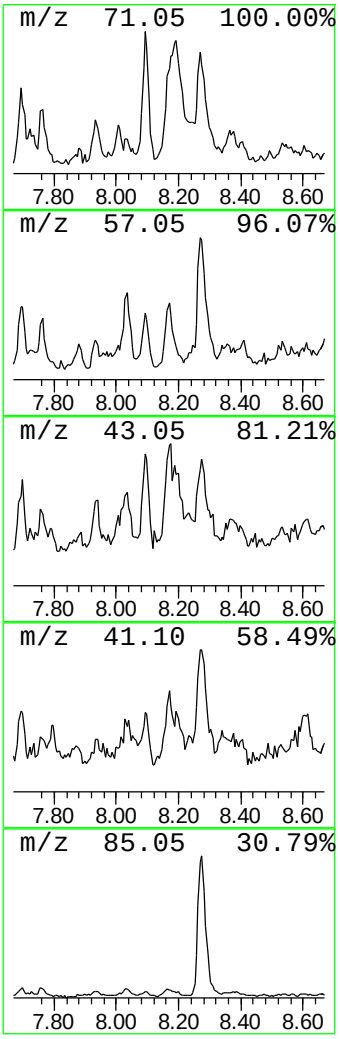
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.17	2.24 ng/ul	86810	1,4-Dichlorobenzene-d4	7.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	53
2	Undecane, 6-ethyl-	184	C13H28	017312-60-6	53
3	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	38
4	Heptane, 3,3-dimethyl-	128	C9H20	004032-86-4	38
5	Decane, 2-methyl-	156	C11H24	006975-98-0	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040919\
Data File : BM019858.D
Acq On : 10 Apr 2019 10:46
Operator : JU/SJ
Sample : K2188-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF649

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

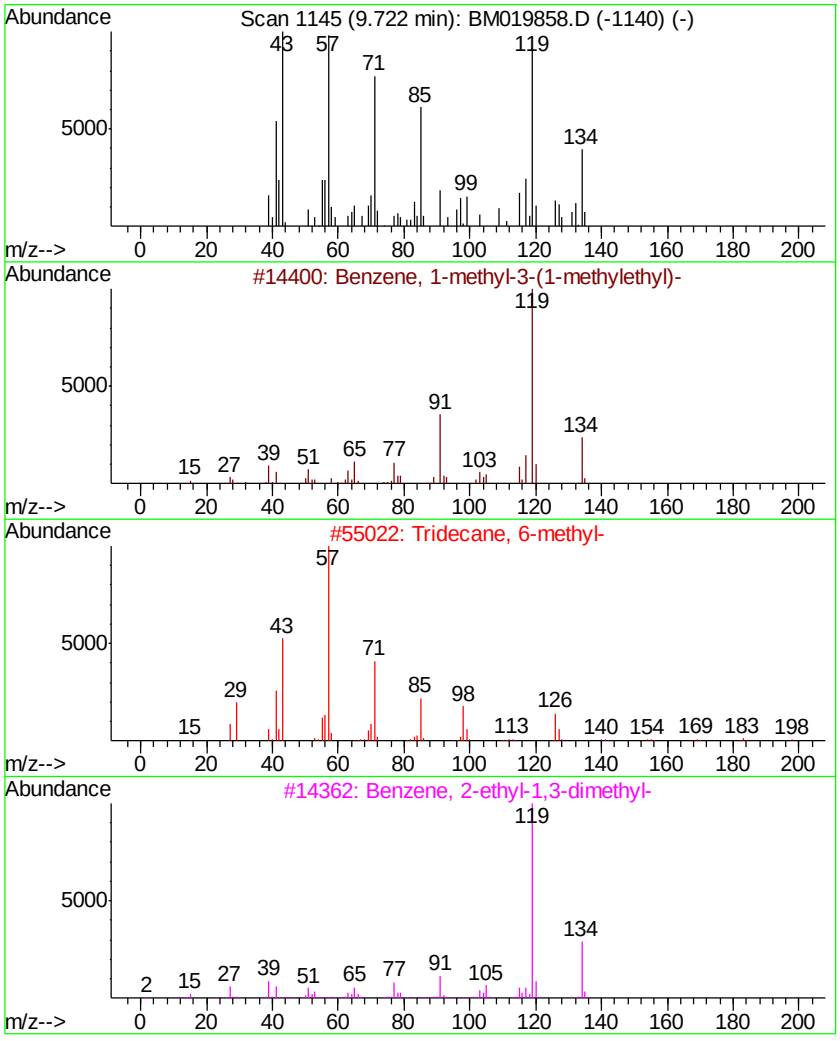
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

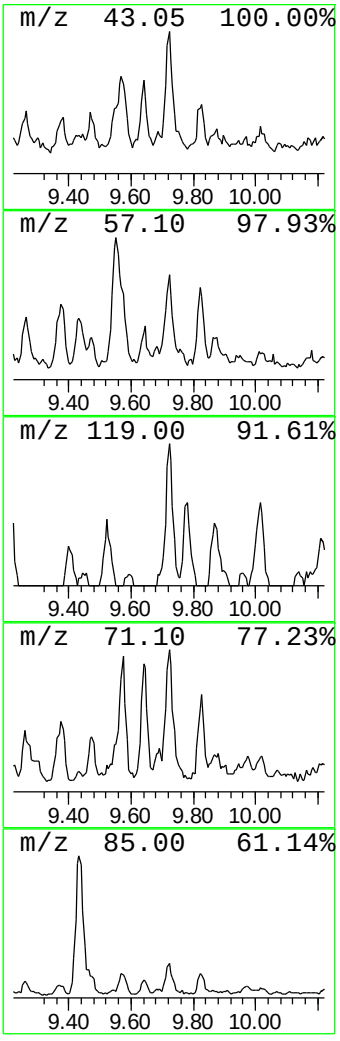
****

Peak Number 3 unknown-01 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	2.26 ng/ul	105419	Naphthalene-d8	10.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	35
2	Tridecane, 6-methyl-	198	C14H30	013287-21-3	30
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	30
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	30
5	Ethanone, 1-(3-methylphenyl)-	134	C9H10O	000585-74-0	30





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040919\
Data File : BM019858.D
Acq On : 10 Apr 2019 10:46
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Sample : K2188-02
Misc :
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Instrument : BNA_M
ClientSampleId : BF649

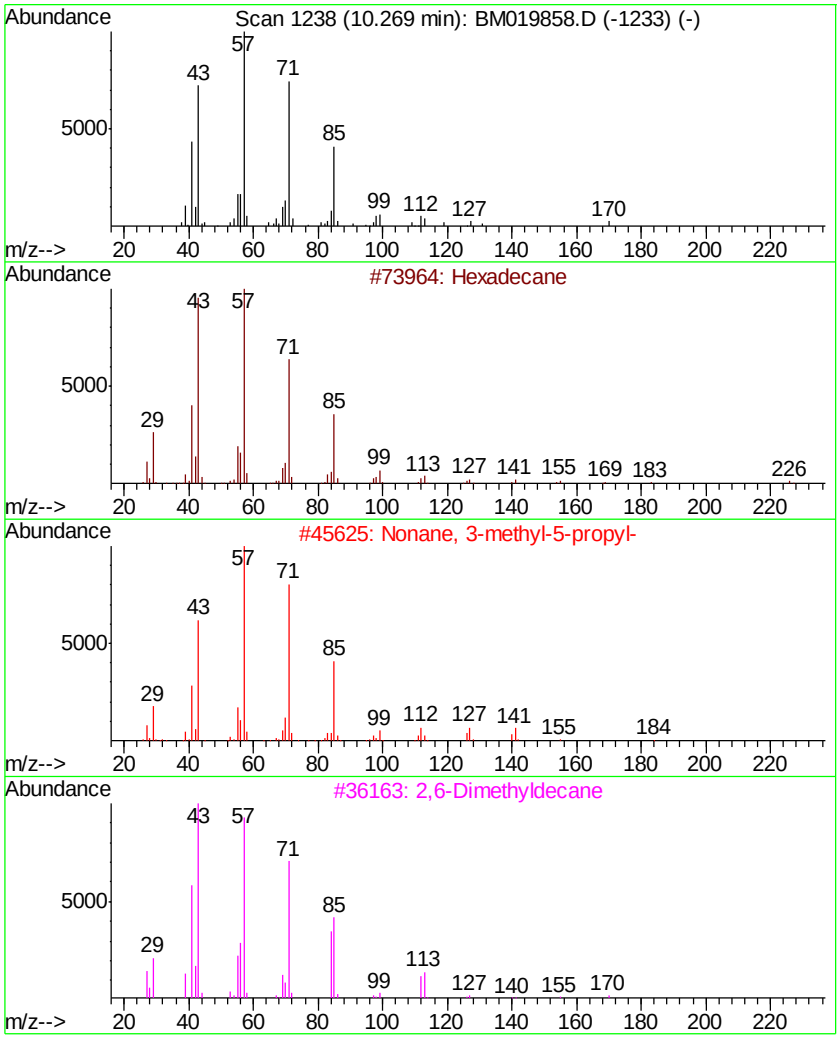
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

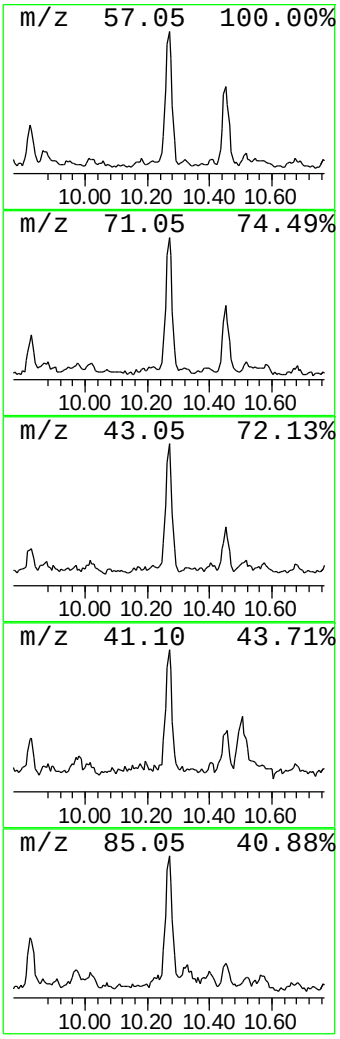
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.27	3.05 ng/ul	142471	Naphthalene-d8	10.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	83
2	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	78
3	2,6-Dimethyldecane	170	C12H26	013150-81-7	72
4	Hexadecane	226	C16H34	000544-76-3	72
5	Nonane, 1-iodo-	254	C9H19I	004282-42-2	59





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040919\
Data File : BM019858.D
Acq On : 10 Apr 2019 10:46
Operator : JU/SJ
Sample : K2188-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF649

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

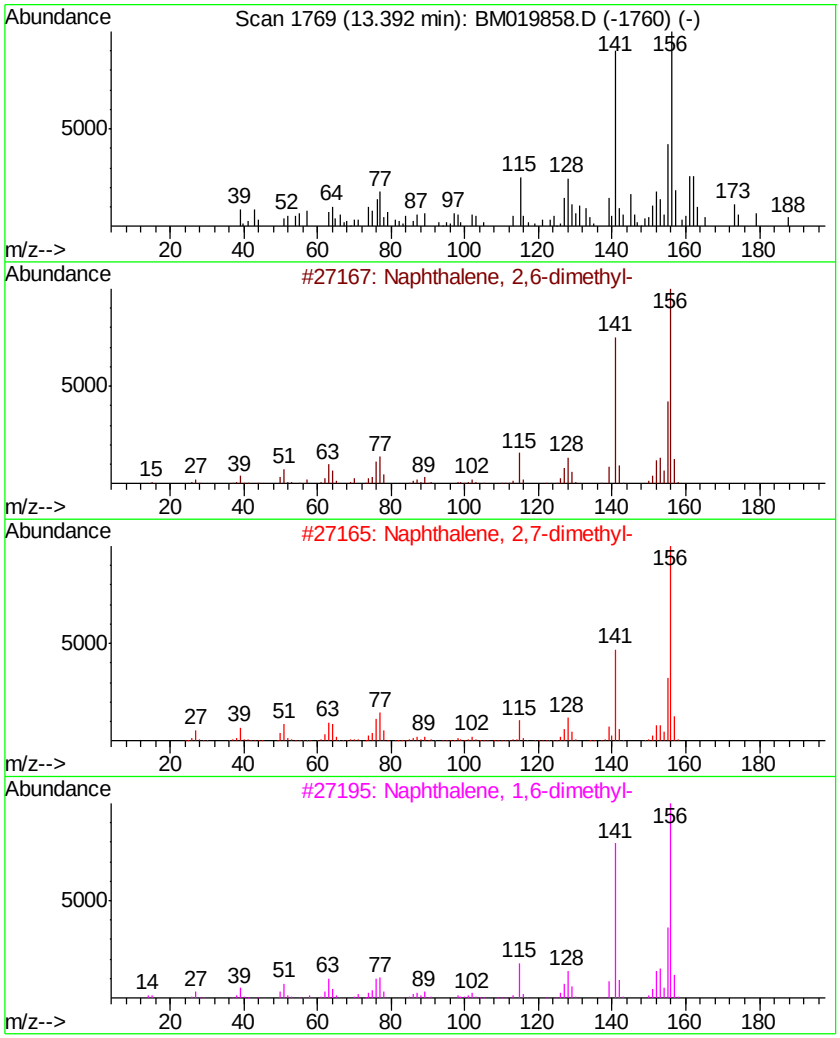
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

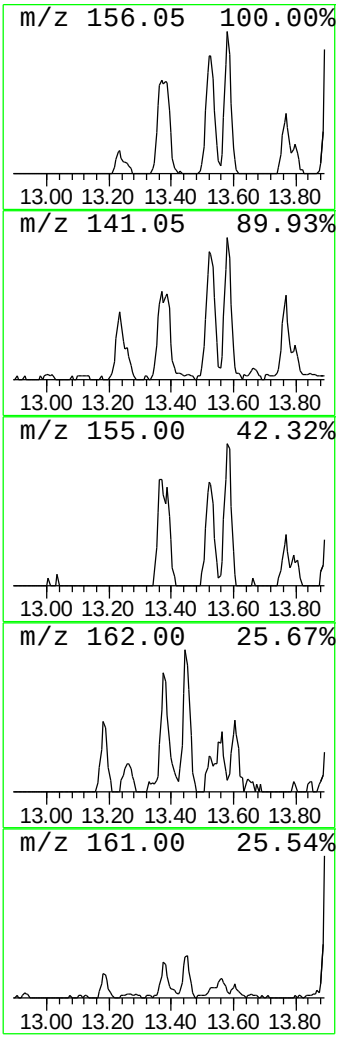
****

Peak Number 5 Naphthalene, 2,7-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	2.80 ng/ul	160430	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM040919\
Data File : BM019858.D
Acq On : 10 Apr 2019 10:46
Operator : JU/SJ
Sample : K2188-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF649

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

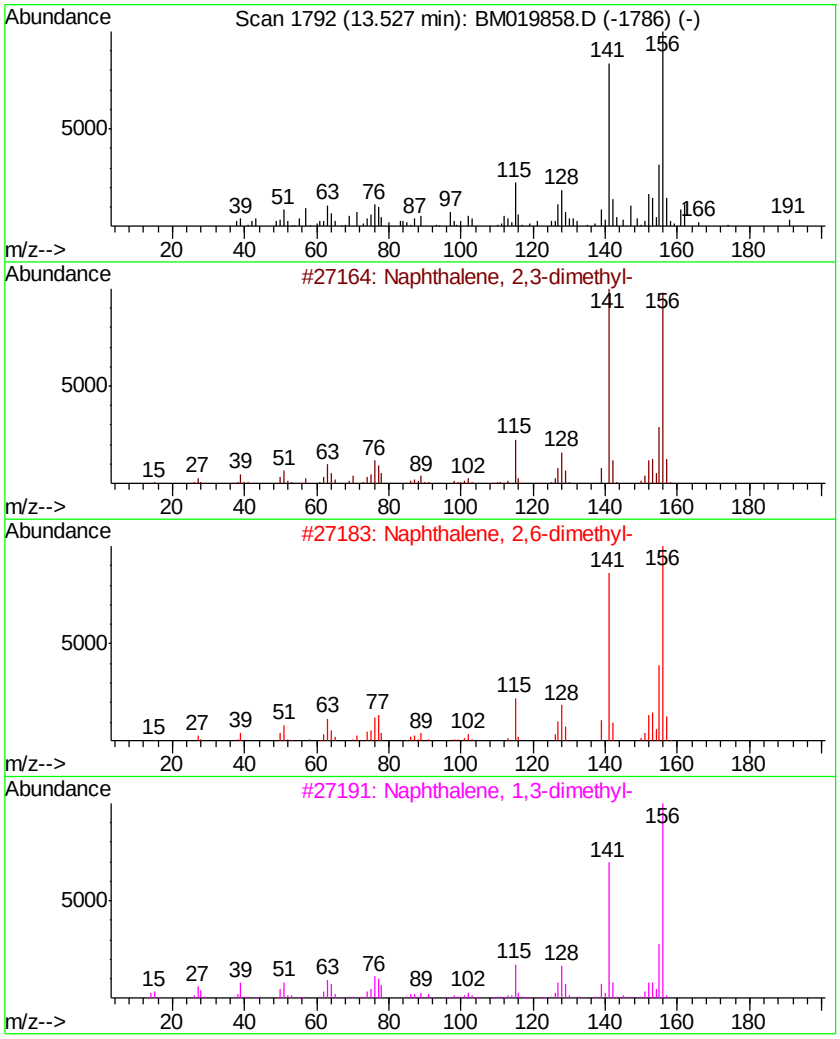
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

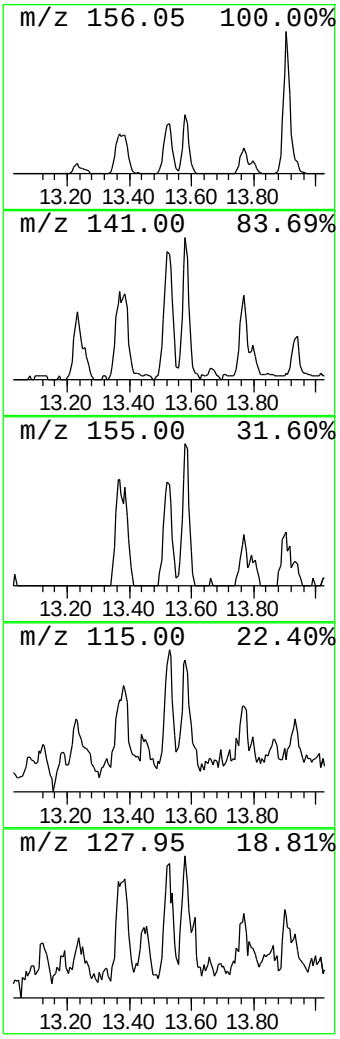
****

Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.53	2.56 ng/ul	146682	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Library Search Compound Report

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Operator : JU/SJ
Sample : K2188-02
Misc :
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Instrument : BNA_M
ClientSampleId : BF649

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Quant Title : SVOA CALIBRATION

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

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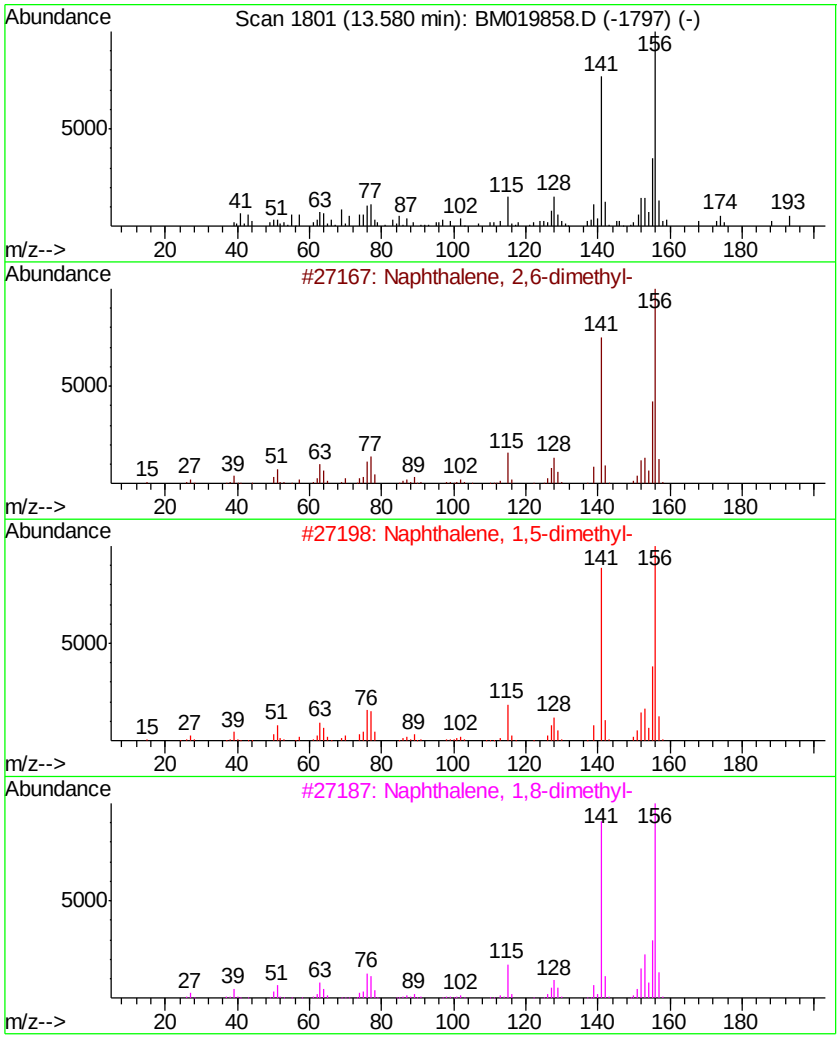
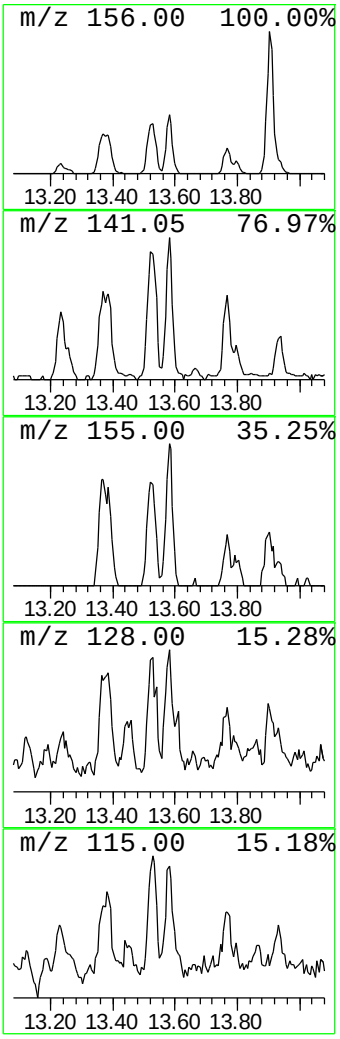
Peak Number 7 Naphthalene, 2,6-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.58	2.21 ng/ul	126626	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	98
3	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	98
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





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ClientSampleId : BF649

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Quant Title : SVOA CALIBRATION

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

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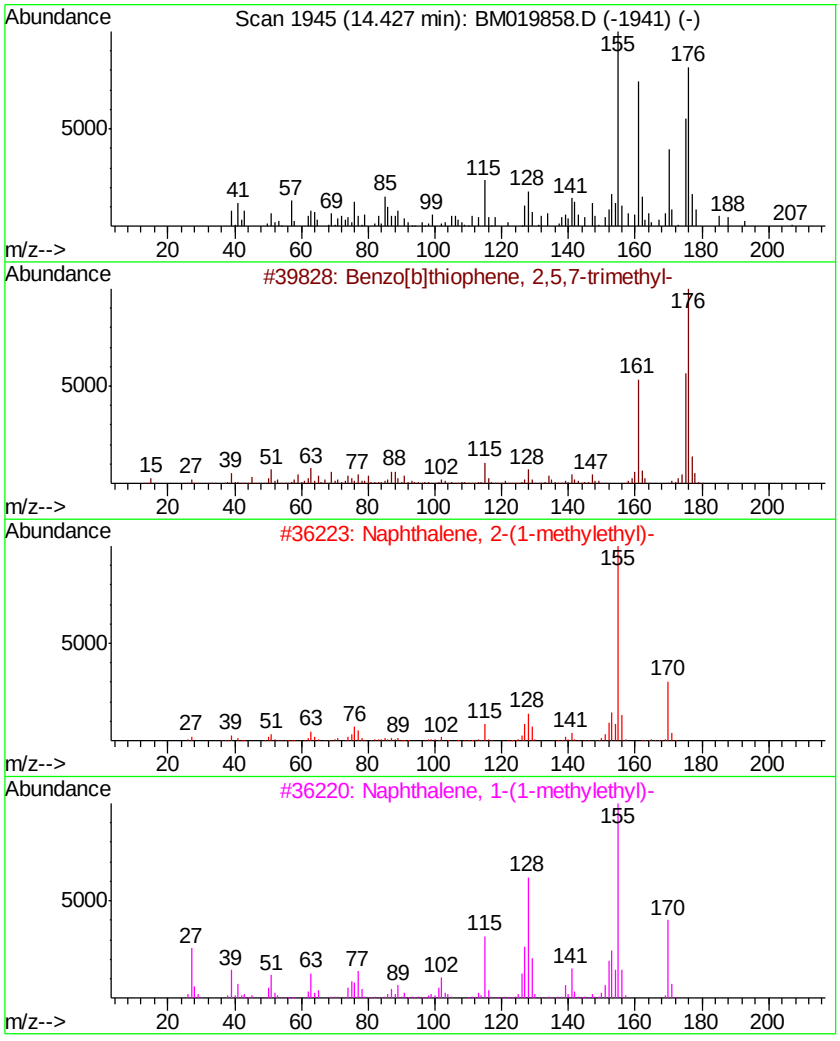
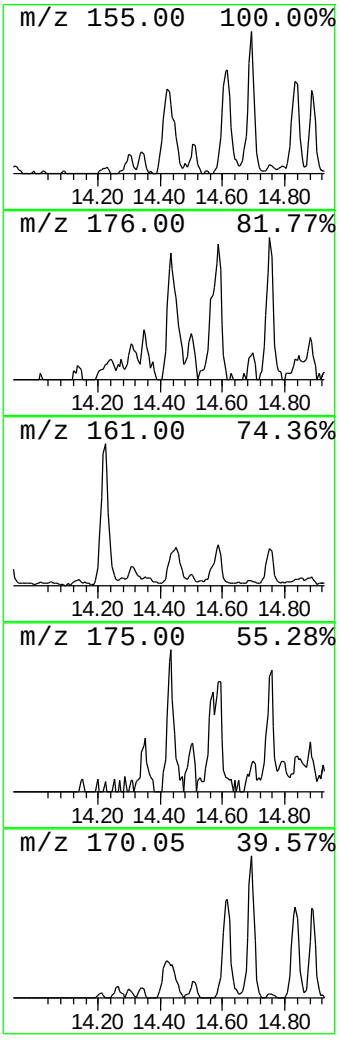
Peak Number 8 unknown-02 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	2.38 ng/ul	136581	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 2,5,7-trimethyl-	176	C11H12S	016587-65-8	38
2	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	38
3	Naphthalene, 1-(1-methylethyl)-	170	C13H14	006158-45-8	38
4	Benzofuran, 5-methoxy-6,7-dimethyl-	176	C11H12O2	035355-35-2	38
5	2-Acetyl-7-hydroxybenzofuran	176	C10H8O3	040020-87-9	35





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Quant Title : SVOA CALIBRATION

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

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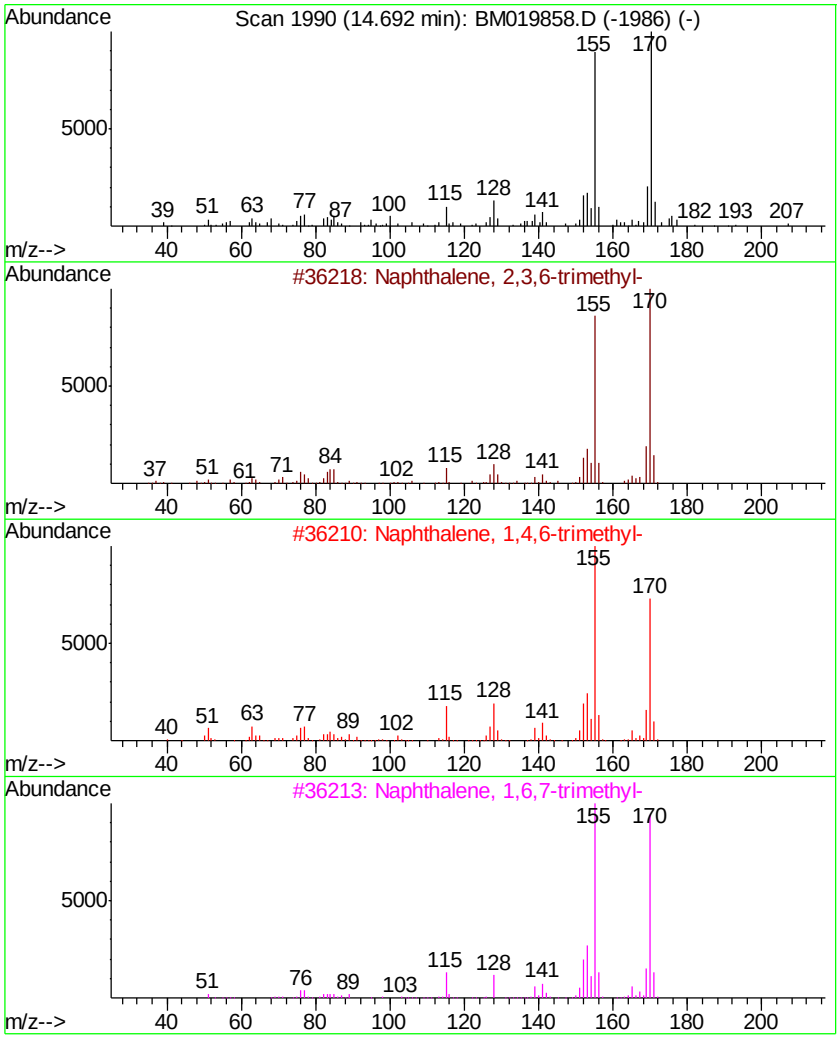
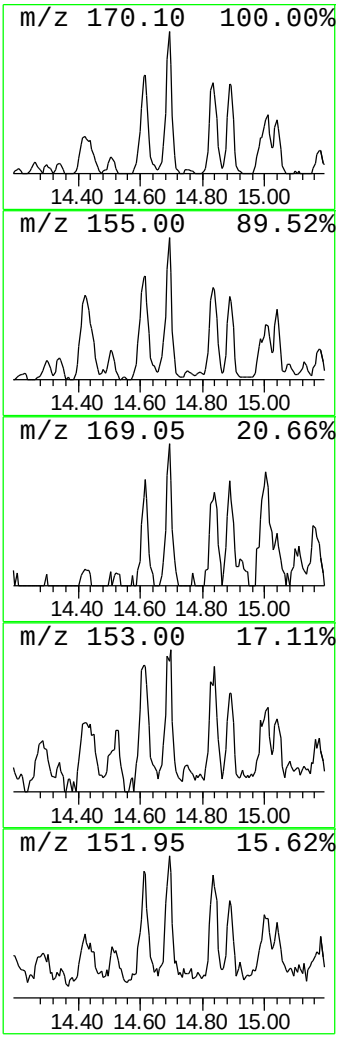
Peak Number 9 Naphthalene, 2,3,6-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	2.30 ng/ul	132072	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93





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Quant Title : SVOA CALIBRATION

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

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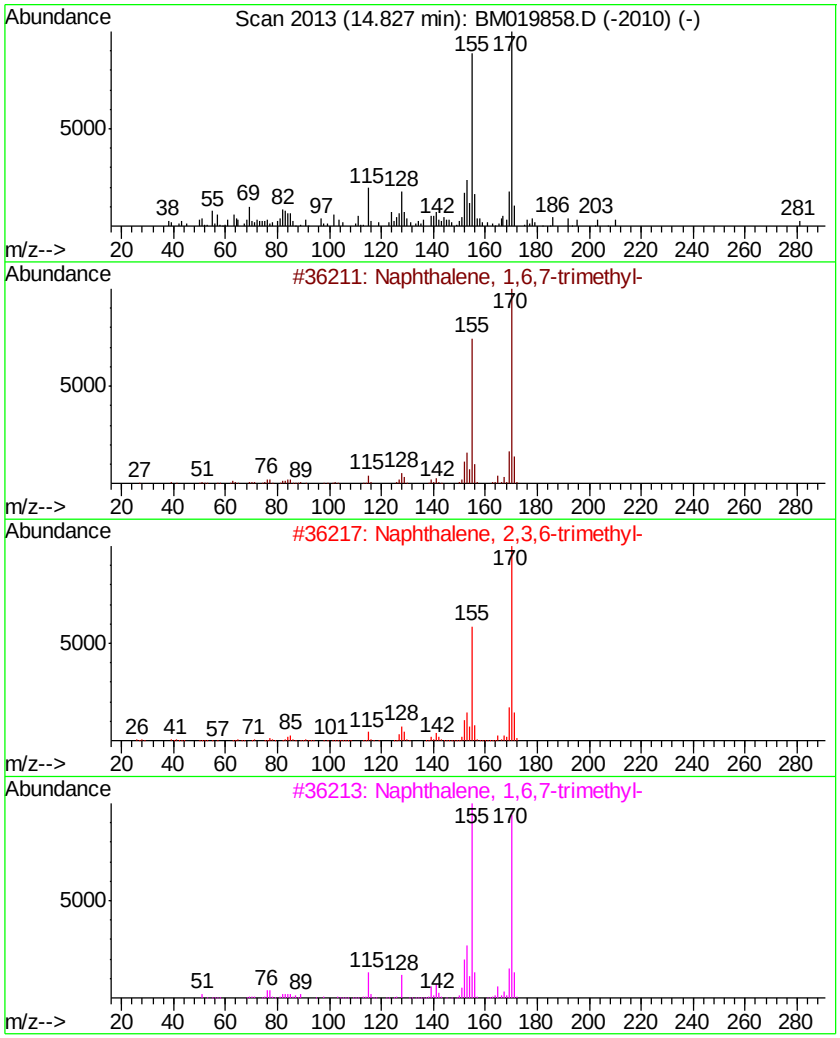
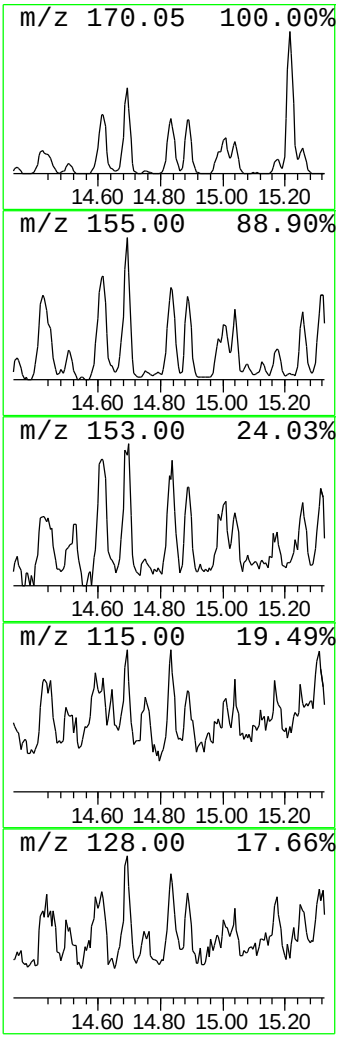
Peak Number 10 Naphthalene, 1,6,7-trimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	2.25 ng/ul	128898	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	95





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Quant Title : SVOA CALIBRATION

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

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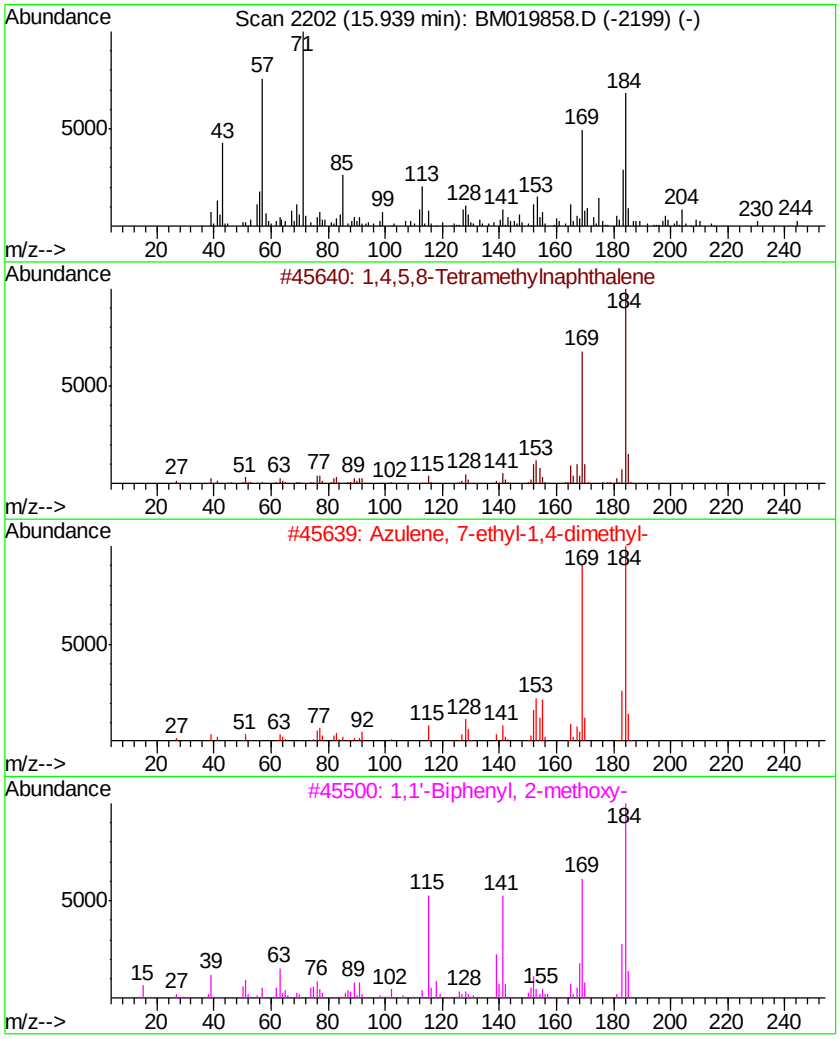
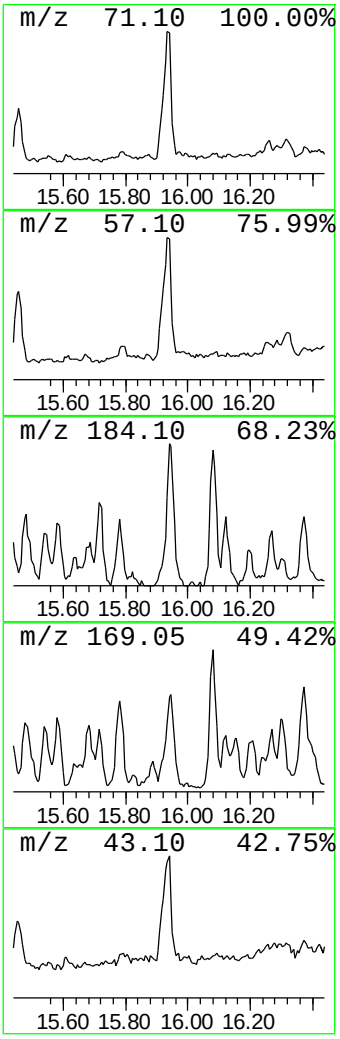
Peak Number 11 1,4,5,8-Tetramethylnaphthalene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	4.97 ng/ul	298511	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	70
2	Azulene, 7-ethyl-1,4-dimethyl-	184	C14H16	000529-05-5	50
3	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	30
4	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	27
5	Undecane, 3,3-dimethyl-	184	C13H28	017312-65-1	27





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Quant Title : SVOA CALIBRATION

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

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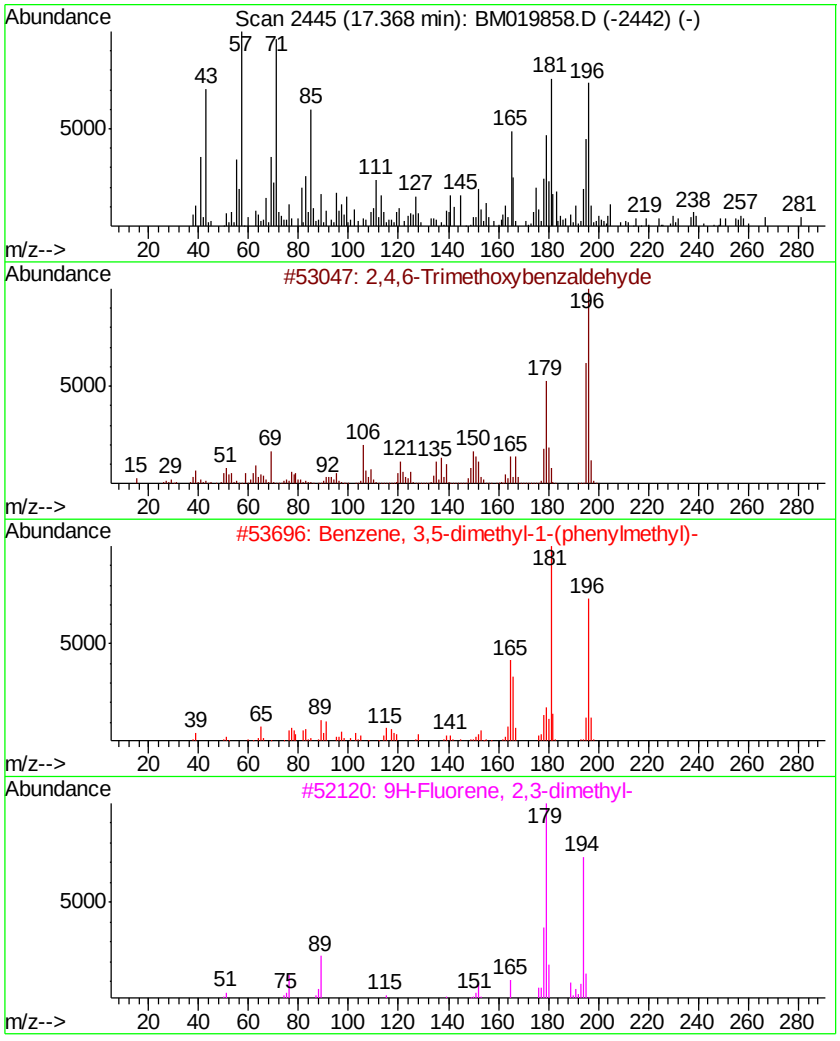
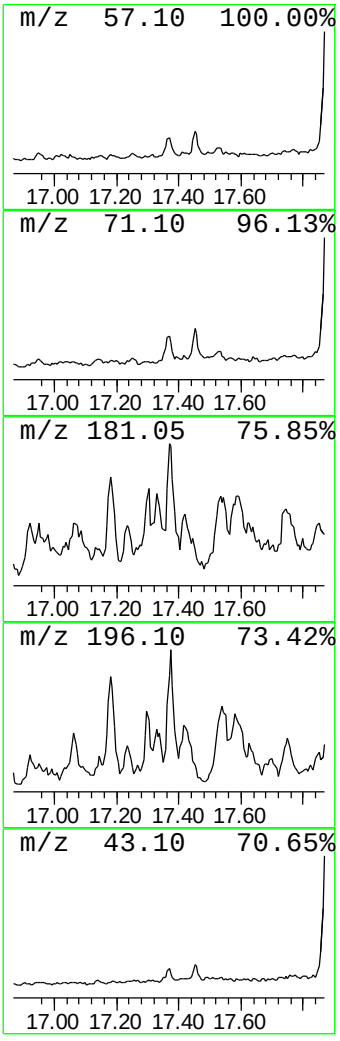
Peak Number 12 unknown-03 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.37	3.72 ng/ul	223188	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	45
2	Benzene, 3,5-dimethyl-1-(phenylm...	196	C15H16	028122-27-2	38
3	9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	38
4	Benzene, 1-methyl-2-[(3-methylph...	196	C15H16	021895-13-6	38
5	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	30





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Quant Title : SVOA CALIBRATION

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

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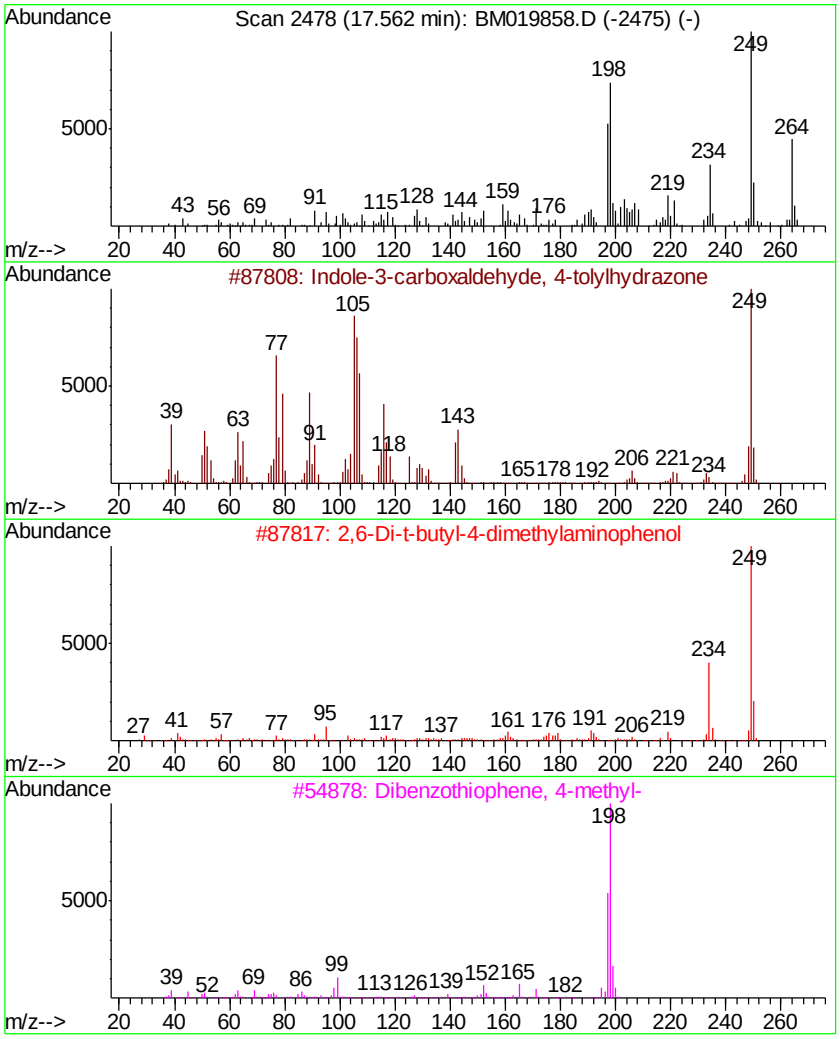
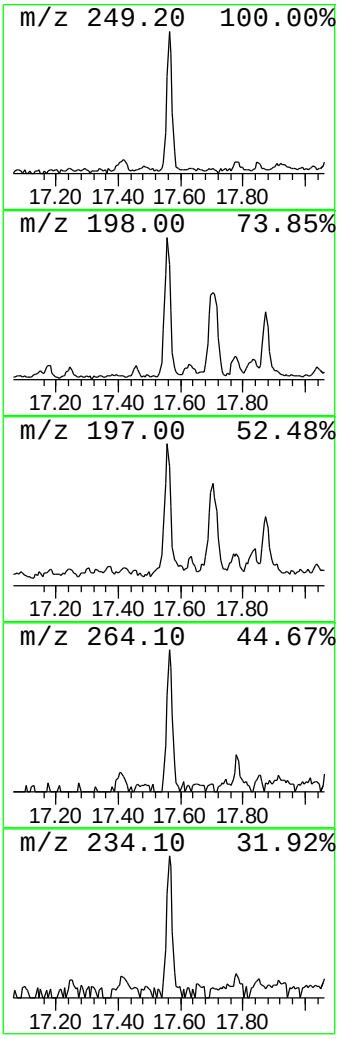
Peak Number 13 Indole-3-carboxaldehyde, 4-... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.56	3.53 ng/ul	212174	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indole-3-carboxaldehyde, 4-tolyl...	249	C16H15N3	1000262-65-3	64
2	2,6-Di-t-butyl-4-dimethylaminoph...	249	C16H27NO	010437-44-2	42
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	38
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	38
5	2(1H)-Pyrazinone, 3,5,6-tris(1,1...	264	C16H28N2O	039950-99-7	30





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Quant Title : SVOA CALIBRATION

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

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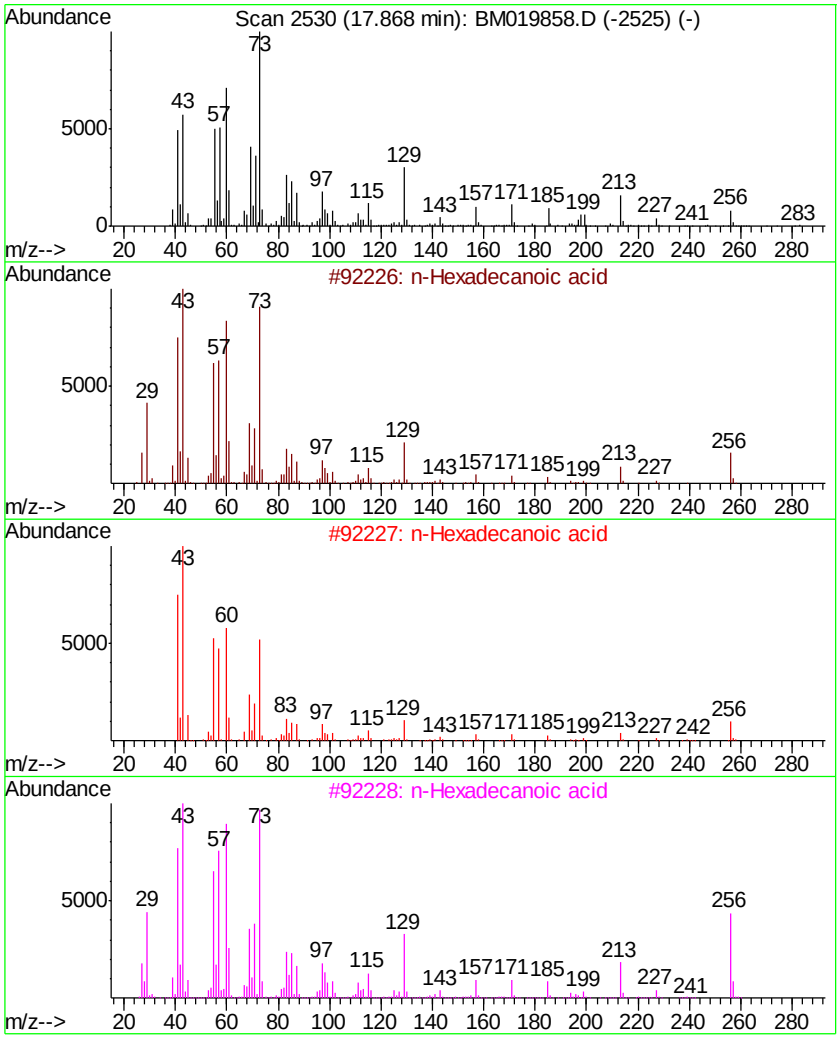
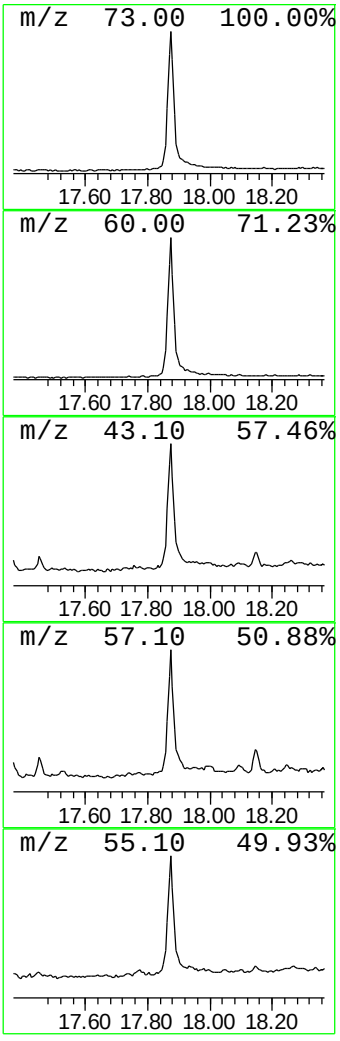
Peak Number 14 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	34.36 ng/ul	2062750	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	83
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	64
5	Tridecanoic acid	214	C13H26O2	000638-53-9	64





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Quant Title : SVOA CALIBRATION

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

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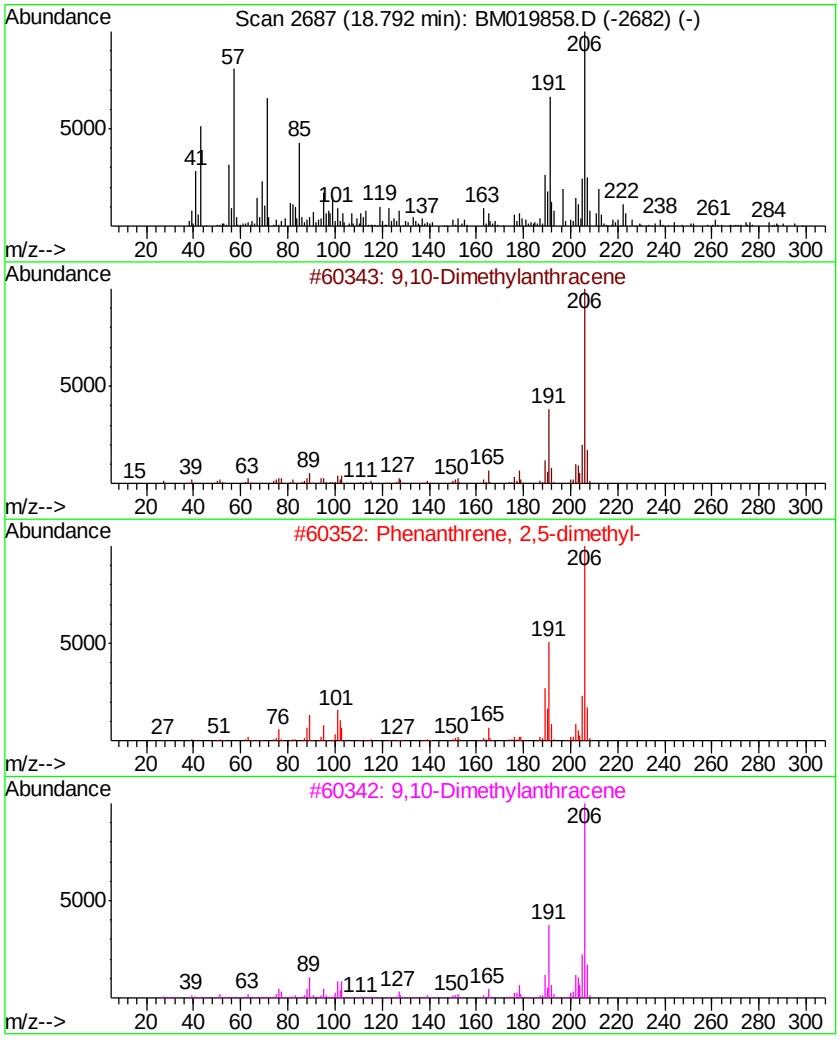
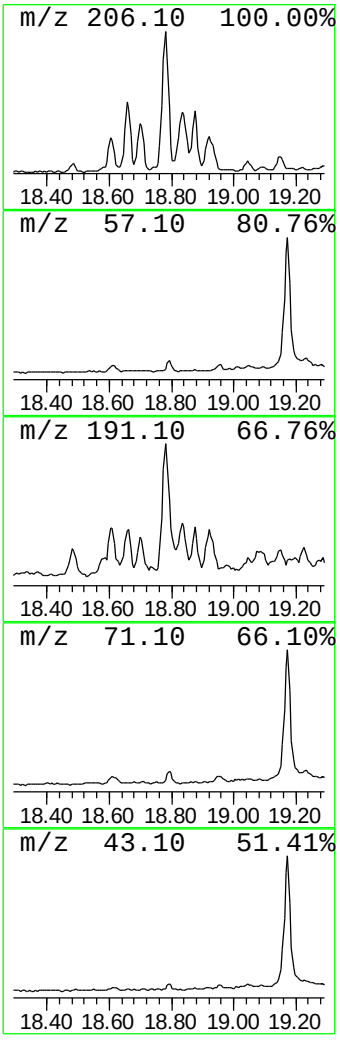
Peak Number 15 9,10-Dimethylanthracene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.79	8.44 ng/ul	506577	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	81
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	81





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Quant Title : SVOA CALIBRATION

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

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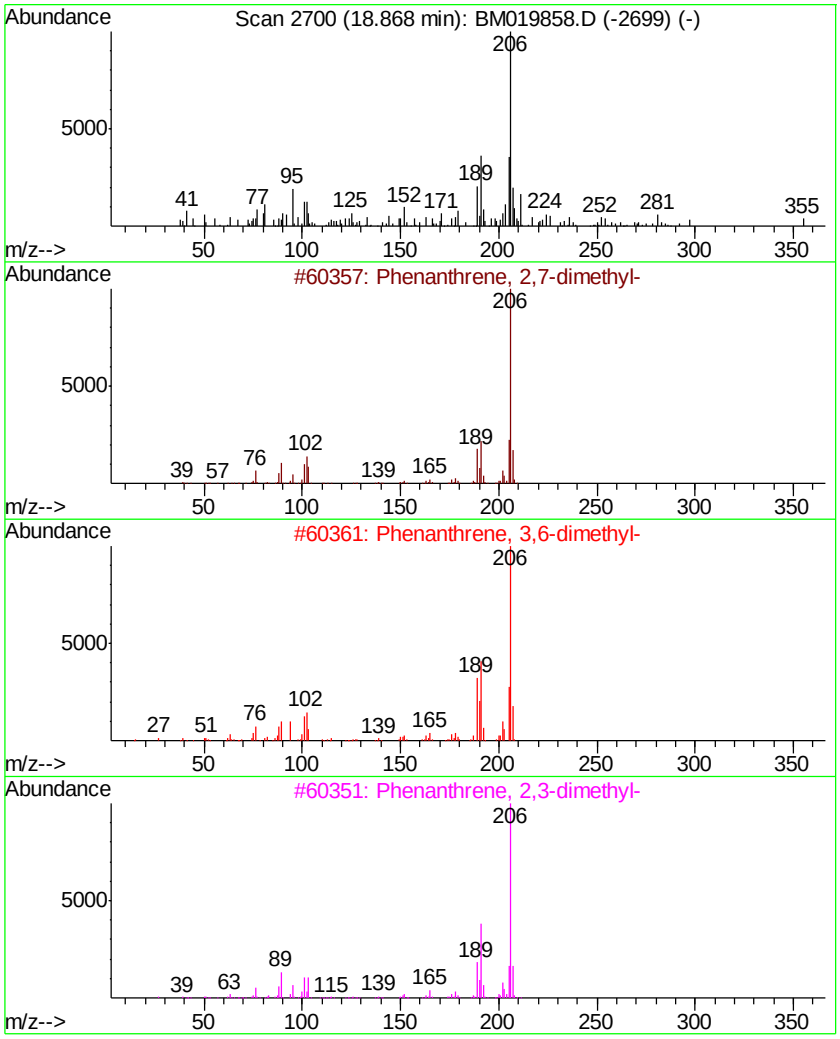
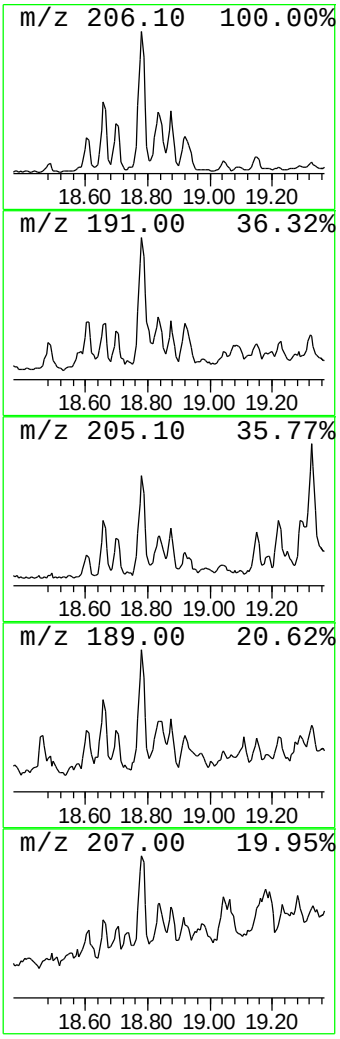
Peak Number 16 Phenanthrene, 2,7-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	2.37 ng/ul	142104	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	89
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	87





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Quant Title : SVOA CALIBRATION

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

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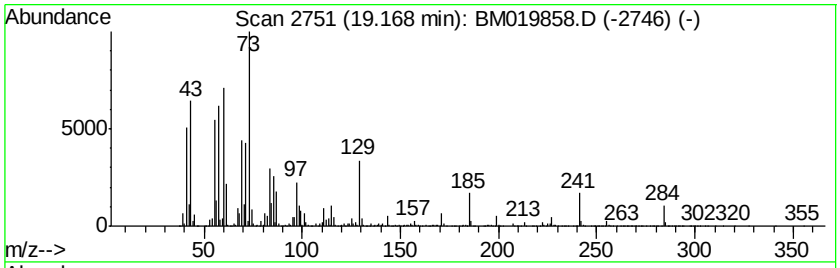
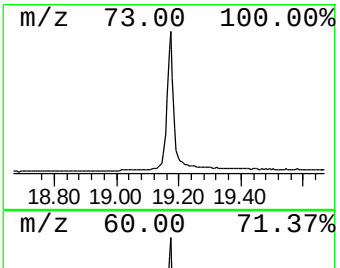
Peak Number 17 Octadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.17	62.26 ng/ul	5433140	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3	Hexadecane	226	C16H34	000544-76-3	90
4	Octadecanoic acid	284	C18H36O2	000057-11-4	68
5	Octadecanoic acid	284	C18H36O2	000057-11-4	64





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Quant Title : SVOA CALIBRATION

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

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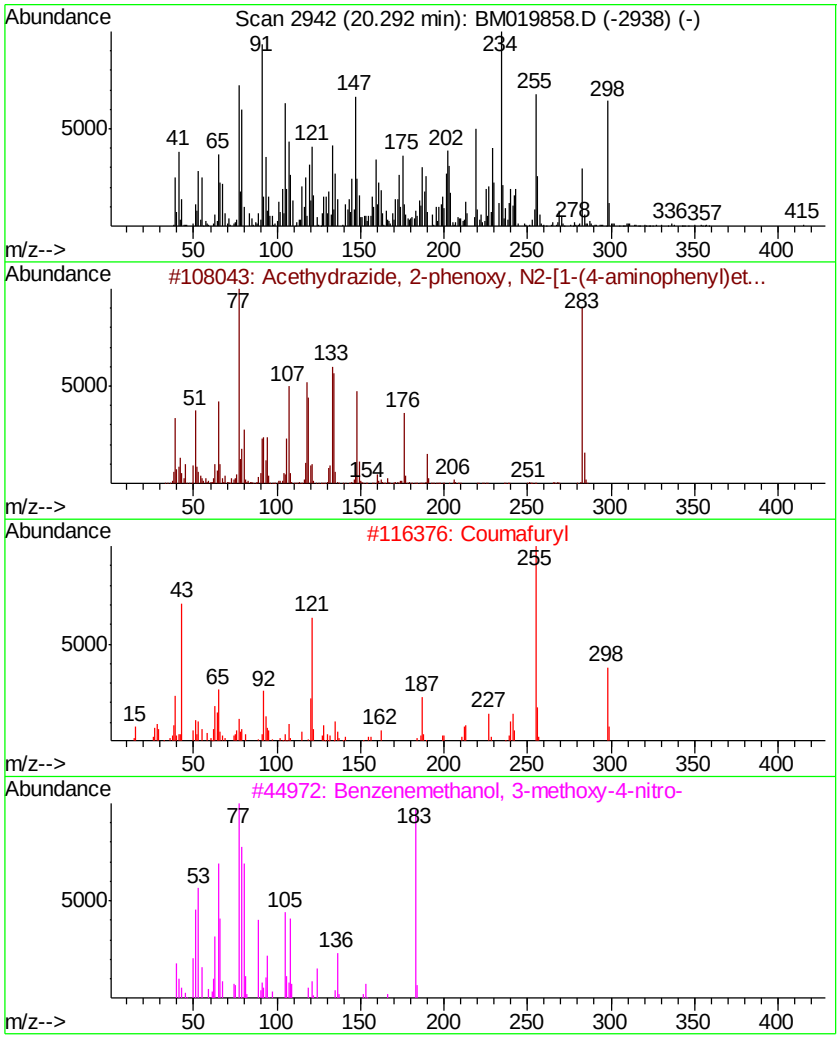
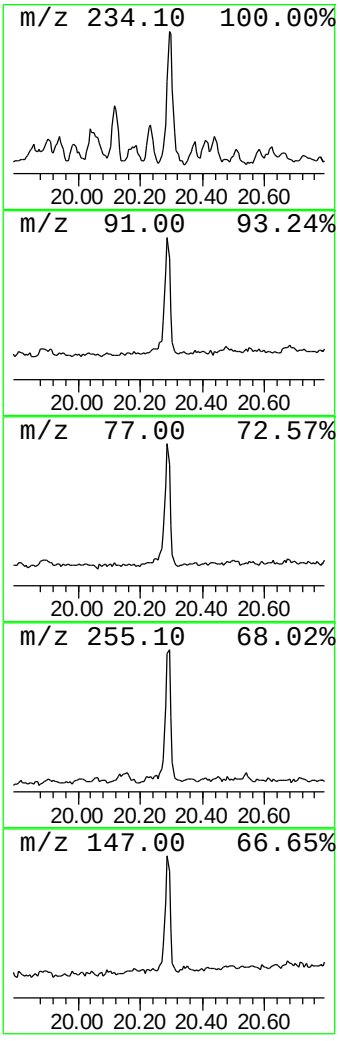
Peak Number 18 Acethydrazide, 2-phenoxy, N... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.29	20.98 ng/ul	1831270	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acethydrazide, 2-phenoxy, N2-[1-...	283	C16H17N3O2	316133-03-6	64
2	Coumafuryl	298	C17H14O5	000117-52-2	52
3	Benzenemethanol, 3-methoxy-4-nitro-	183	C8H9NO4	080866-88-2	46
4	5-Decene, 4-ethynyl-, (E)-	164	C12H20	055976-10-8	46
5	1,1-Difluoro-trans-2,3-dimethyl-...	106	C5H8F2	1000144-82-0	30





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Acq On : 10 Apr 2019 10:46
Operator : JU/SJ
Sample : K2188-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF649

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

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

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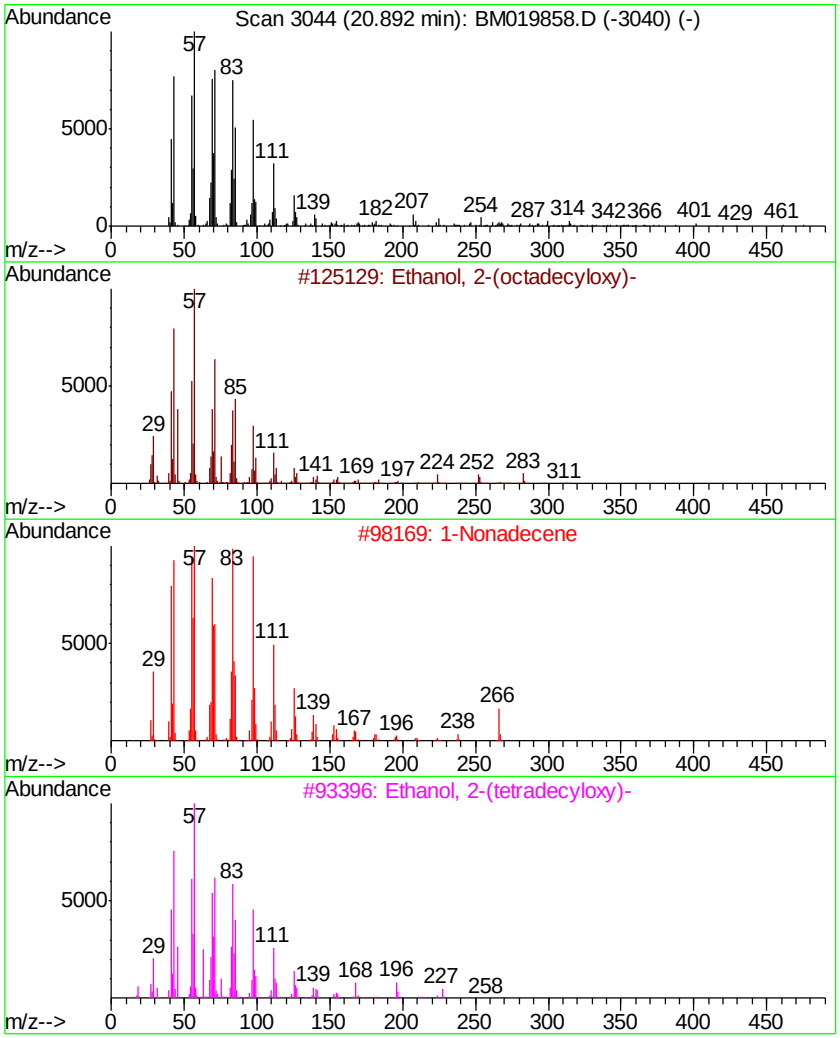
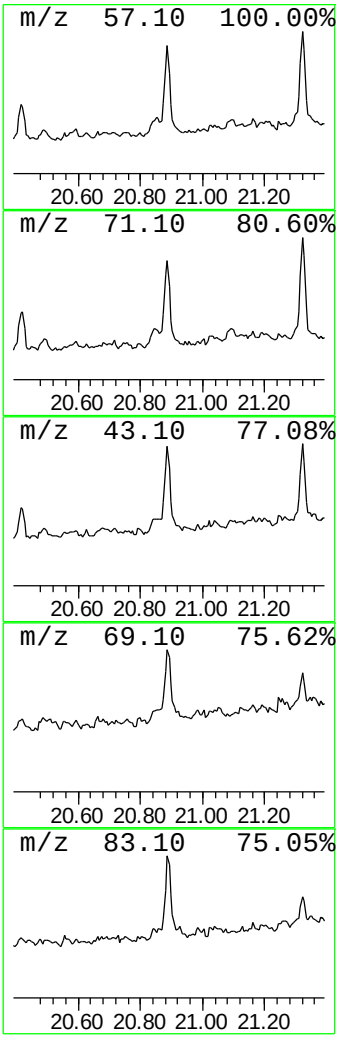
Peak Number 19 Ethanol, 2-(octadecyloxy)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.89	10.65 ng/ul	929387	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(octadecyloxy)-	314	C20H42O2	002136-72-3	91
2	1-Nonadecene	266	C19H38	018435-45-5	78
3	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	76
4	7-Heptadecene, 17-chloro-	272	C17H33Cl	056554-79-1	64
5	3-Chloropropionic acid, heptadec...	346	C20H39ClO2	1000283-05-1	64





Library Search Compound Report

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Data File : BM019858.D
Acq On : 10 Apr 2019 10:46
Operator : JU/SJ
Sample : K2188-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF649

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

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

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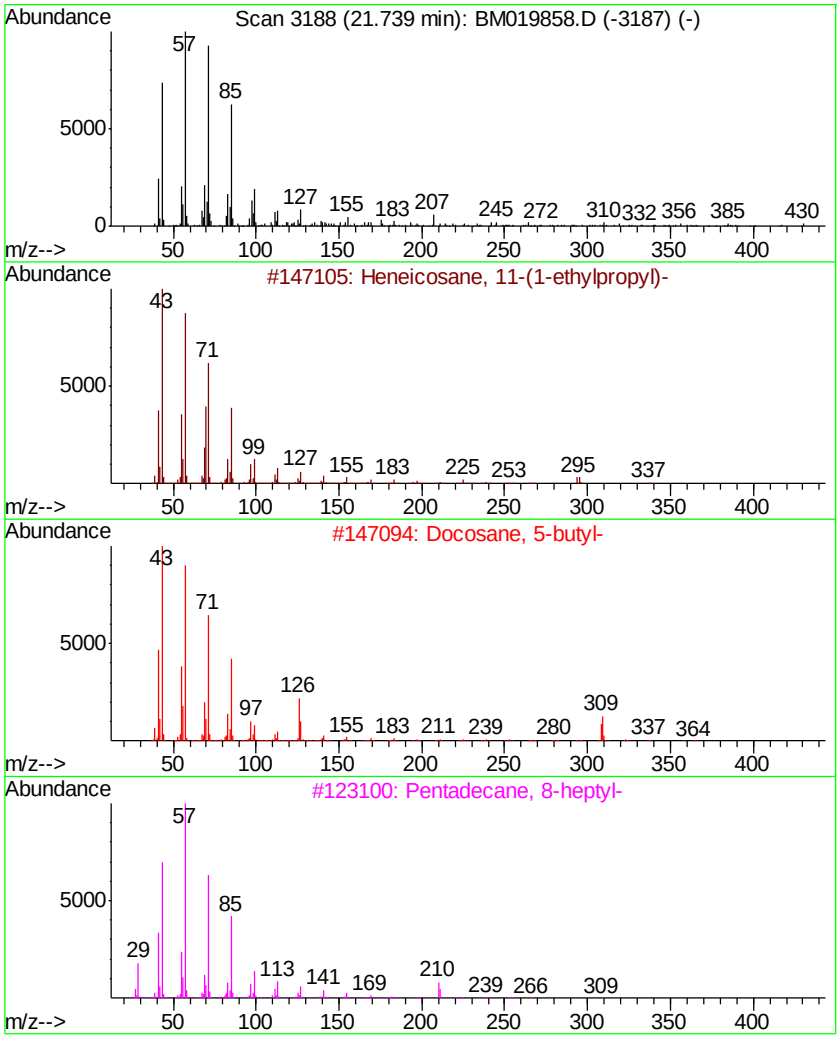
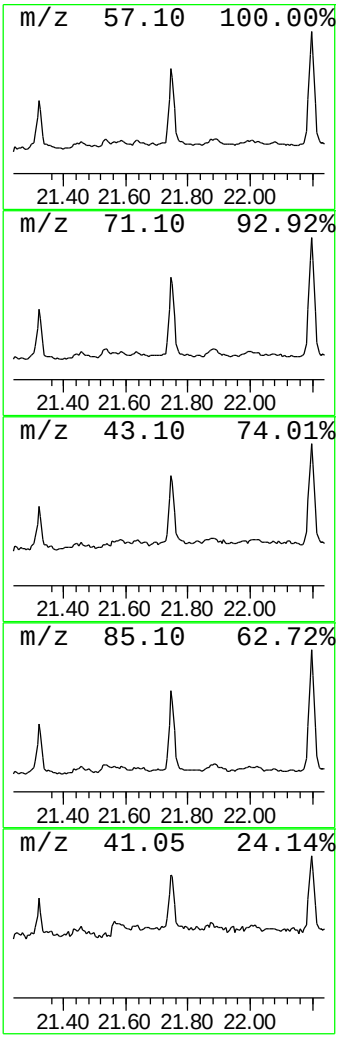
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.74	9.85 ng/ul	859251	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	91
2	Docosane, 5-butyl-	366	C26H54	055282-16-1	90
3	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	90
4	Tetradecane	198	C14H30	000629-59-4	87
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	87





Library Search Compound Report

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Data File : BM019858.D
Acq On : 10 Apr 2019 10:46
Operator : JU/SJ
Sample : K2188-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF649

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

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

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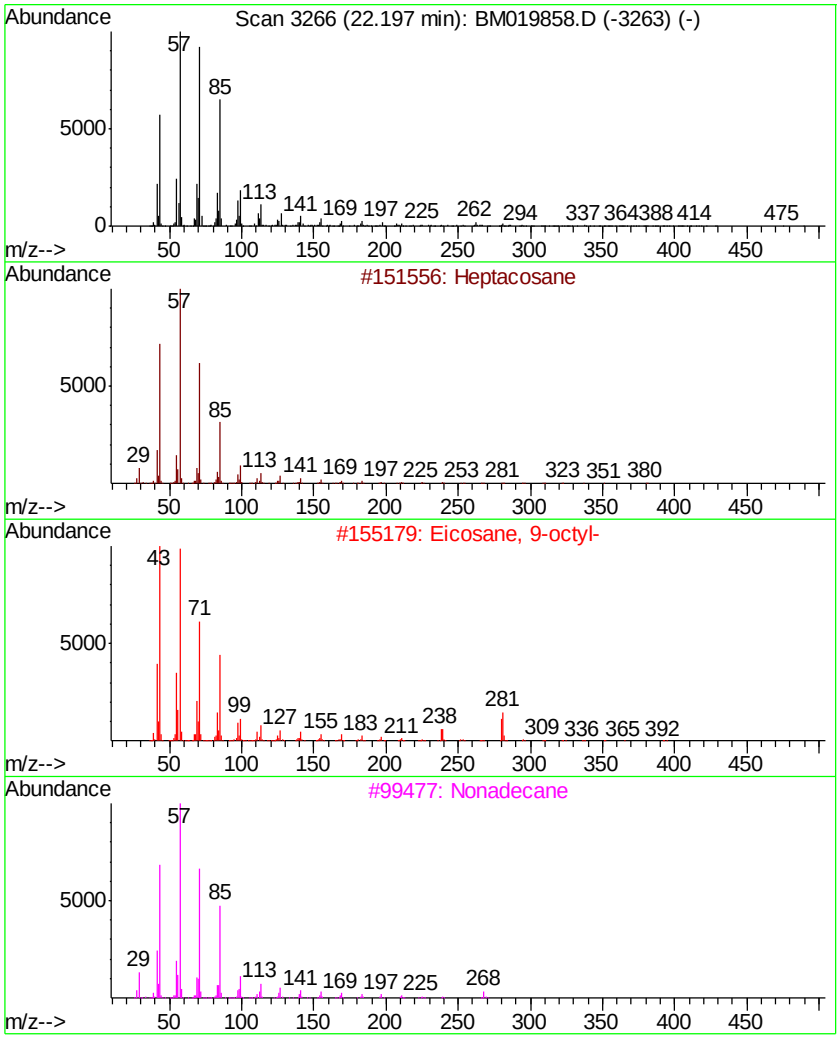
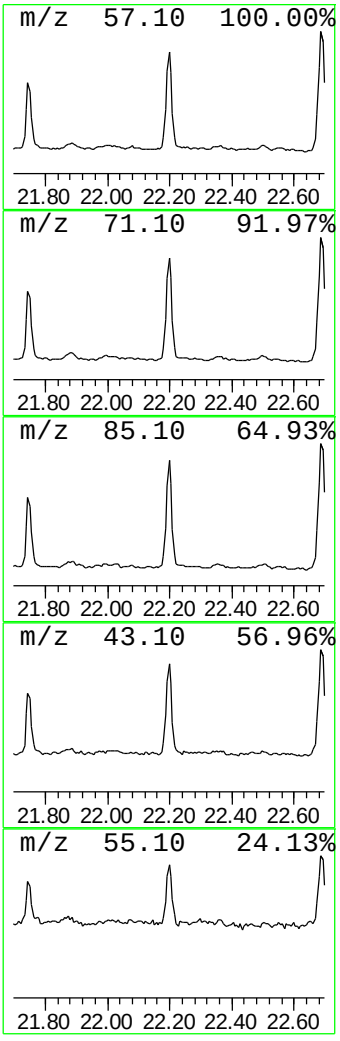
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.20	14.37 ng/ul	1253720	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	98
2	Eicosane, 9-octyl-	394	C28H58	013475-77-9	94
3	Nonadecane	268	C19H40	000629-92-5	86
4	Hexadecane	226	C16H34	000544-76-3	86
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	86





Library Search Compound Report

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Data File : BM019858.D
Acq On : 10 Apr 2019 10:46
Operator : JU/SJ
Sample : K2188-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF649

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

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

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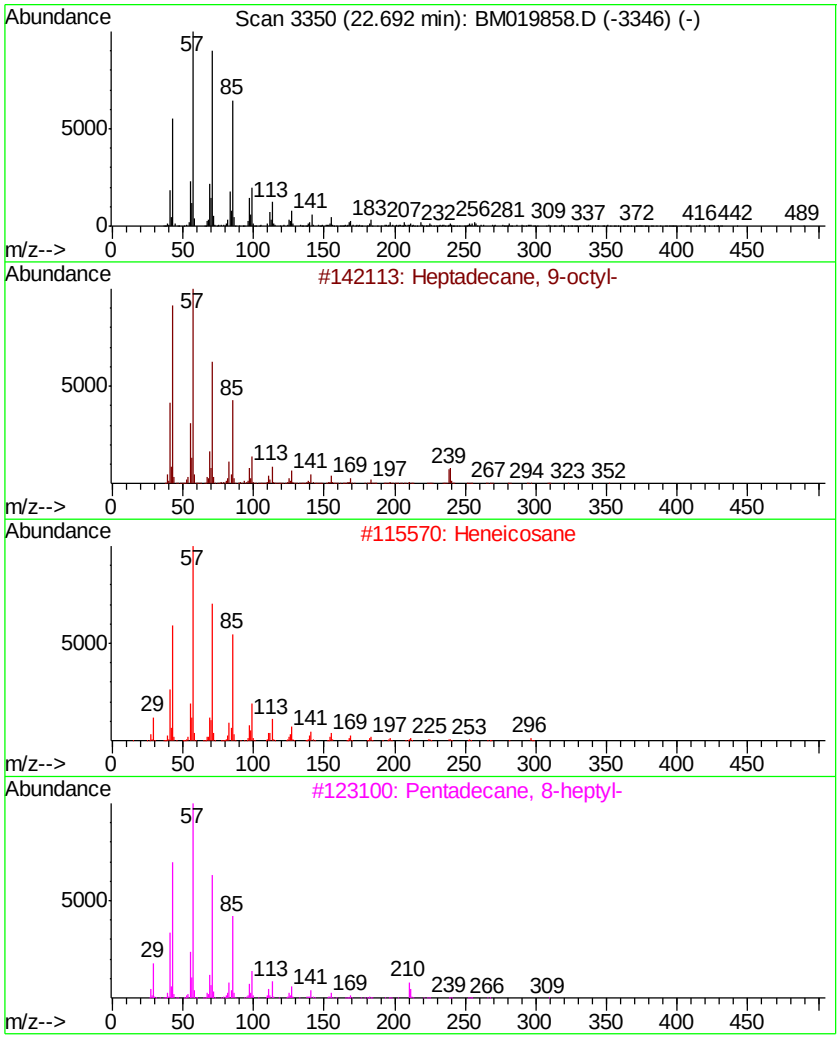
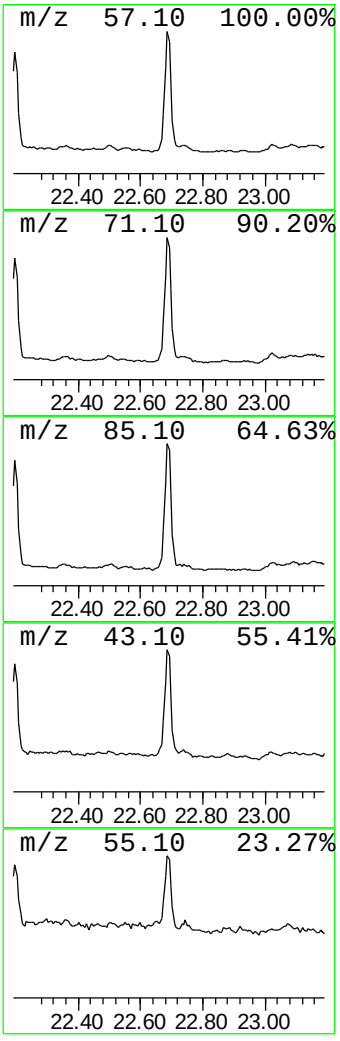
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.69	23.42 ng/ul	2143280	Perylene-d12	23.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	93
2	Heneicosane	296	C21H44	000629-94-7	91
3	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	91
4	Octadecane, 2-methyl-	268	C19H40	001560-88-9	90
5	Heptacosane	380	C27H56	000593-49-7	87





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Data File : BM019858.D
Acq On : 10 Apr 2019 10:46
Operator : JU/SJ
Sample : K2188-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF649

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.M
Quant Title : SVOA CALIBRATION

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

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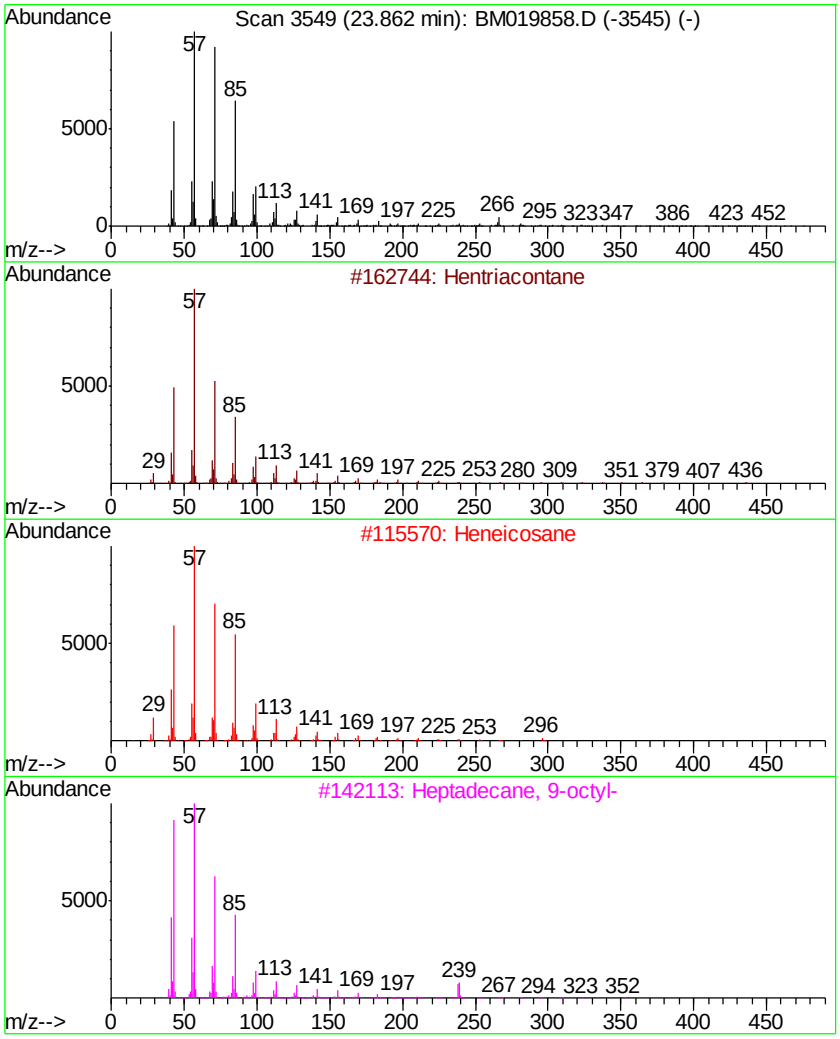
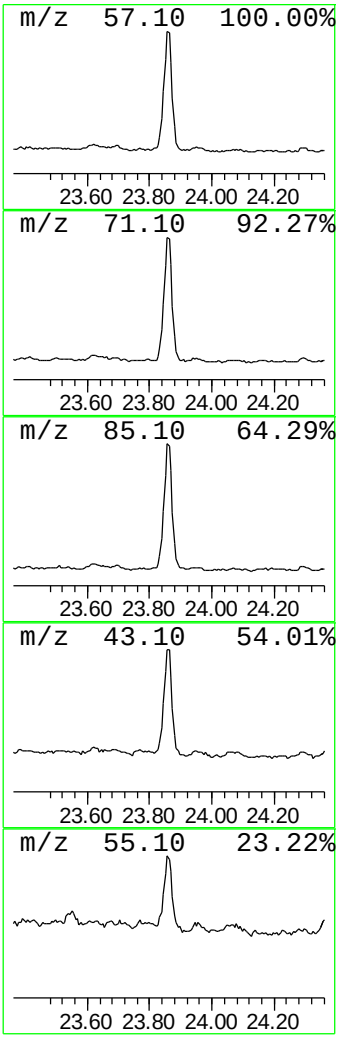
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.86	24.59 ng/ul	2250530	Perylene-d12	23.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hentriacontane	437	C31H64	000630-04-6	96
2	Heneicosane	296	C21H44	000629-94-7	91
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
4	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	91
5	Octacosane	394	C28H58	000630-02-4	87





Tentatively Identified Compound (LSC) summary

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Data File : BM019858.D
Acq On : 10 Apr 2019 10:46
Operator : JU/SJ
Sample : K2188-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF649

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM032219MA.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...	8.17	2.2	ng/ul	86810	1	7.55	775201	20.0
unknown-01	9.72	2.3	ng/ul	105419	2	10.33	934127	20.0
(DEL) Alkane: Str...	10.27	3.0	ng/ul	142471	2	10.33	934127	20.0
Naphthalene, 2,7-...	13.39	2.8	ng/ul	160430	3	14.22	1147420	20.0
Naphthalene, 2,3-...	13.53	2.6	ng/ul	146682	3	14.22	1147420	20.0
Naphthalene, 2,6-...	13.58	2.2	ng/ul	126626	3	14.22	1147420	20.0
unknown-02	14.43	2.4	ng/ul	136581	3	14.22	1147420	20.0
Naphthalene, 2,3,...	14.69	2.3	ng/ul	132072	3	14.22	1147420	20.0
Naphthalene, 1,6,...	14.83	2.3	ng/ul	128898	3	14.22	1147420	20.0
1,4,5,8-Tetrameth...	15.94	5.0	ng/ul	298511	4	16.98	1200600	20.0
unknown-03	17.37	3.7	ng/ul	223188	4	16.98	1200600	20.0
Indole-3-carboxal...	17.56	3.5	ng/ul	212174	4	16.98	1200600	20.0
n-Hexadecanoic acid	17.87	34.4	ng/ul	2062750	4	16.98	1200600	20.0
9,10-Dimethylanth...	18.79	8.4	ng/ul	506577	4	16.98	1200600	20.0
Phenanthrene, 2,7...	18.87	2.4	ng/ul	142104	4	16.98	1200600	20.0
Octadecanoic acid	19.17	62.3	ng/ul	5433140	5	21.19	1745370	20.0
Acethydrazide, 2-...	20.29	21.0	ng/ul	1831270	5	21.19	1745370	20.0
Ethanol, 2-(octad...	20.89	10.7	ng/ul	929387	5	21.19	1745370	20.0
(DEL) Alkane: Str...	21.74	9.8	ng/ul	859251	5	21.19	1745370	20.0
(DEL) Alkane: Str...	22.20	14.4	ng/ul	1253720	5	21.19	1745370	20.0
(DEL) Alkane: Str...	22.69	23.4	ng/ul	2143280	6	23.40	1830320	20.0
(DEL) Alkane: Str...	23.86	24.6	ng/ul	2250530	6	23.40	1830320	20.0