LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007102.D
Acq On : 14 Aug 2016 11:38
Operator : UM/SJ
Sample : H4387-16
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0612-01

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

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

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.975	739	746	763	rVB	1341926	2338104	26.65%	1.598%
2	7.145	768	775	786	rVV	1007782	1552529	17.70%	1.061%
3	7.345	800	809	819	rBV	1391733	2258535	25.75%	1.543%
4	7.810	881	888	896	rBV	1145947	1831119	20.87%	1.251%
5	8.504	998	1006	1016	rBV	1593710	2587287	29.49%	1.768%
6	8.963	1077	1084	1093	rBV	1287430	2121360	24.18%	1.449%
7	9.075	1096	1103	1109	rBV	112952	195541	2.23%	0.134%
8	9.681	1199	1206	1218	rBV	1103899	1842893	21.01%	1.259%
9	10.210	1289	1296	1305	rBV	1694791	2879342	32.82%	1.967%
10	10.592	1353	1361	1368	rBV	1489536	2642560	30.12%	1.806%
11	10.728	1376	1384	1406	rBV	1286125	2312486	26.36%	1.580%
12	13.763	1892	1900	1904	rBV2	88346	157063	1.79%	0.107%
13	13.851	1909	1915	1919	rVV	2915628	4090059	46.62%	2.795%
14	13.898	1919	1923	1932	rVB	2666927	3616957	41.23%	2.471%
15	14.133	1952	1963	1978	rBV	3170373	5395411	61.50%	3.686%
16	14.439	2005	2015	2022	rBV2	2198349	3459441	39.44%	2.364%
17	14.627	2041	2047	2060	rBV	1324160	2089894	23.82%	1.428%
18	14.839	2079	2083	2091	rVB2	94126	155181	1.77%	0.106%
19	15.057	2112	2120	2124	rBV4	83163	215486	2.46%	0.147%
20	15.298	2157	2161	2168	rVB2	202398	295767	3.37%	0.202%
21	15.433	2175	2184	2190	rBV	4222629	6081426	69.32%	4.155%
22	15.545	2198	2203	2211	rVB	1042638	1480187	16.87%	1.011%
23	15.927	2260	2268	2275	rBV7	59254	163525	1.86%	0.112%
24	16.157	2302	2307	2321	rBV2	295911	531353	6.06%	0.363%
25	16.492	2357	2364	2368	rBV5	95283	207703	2.37%	0.142%
26	16.839	2419	2423	2430	rVB3	91838	167271	1.91%	0.114%
27	16.951	2438	2442	2447	rVB2	121486	147925	1.69%	0.101%
28	17.004	2447	2451	2459	rVB	159434	263309	3.00%	0.180%
29	17.180	2472	2481	2485	rBV	2802727	4192986	47.80%	2.865%
30	17.221	2485	2488	2493	rVB	1241983	1699192	19.37%	1.161%
31	17.280	2493	2498	2503	rBV2	4331433	6370398	72.62%	4.353%
32	17.368	2509	2513	2519	rBV2	102345	197659	2.25%	0.135%
33	17.580	2543	2549	2556	rVV3	84063	223699	2.55%	0.153%
34	17.686	2563	2567	2574	rVV2	83874	173439	1.98%	0.119%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007102.D
Acq On : 14 Aug 2016 11:38
Operator : UM/SJ
Sample : H4387-16
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0612-01

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

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

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Title : SVOA CALIBRATION

35	17.762	2576	2580	2586	rVB	228365	314396	3.58%	0.215%
36	17.904	2600	2604	2609	rVB2	122568	214488	2.45%	0.147%
37	18.021	2619	2624	2626	rBV2	101855	147925	1.69%	0.101%
38	18.057	2626	2630	2632	rVV	670775	998217	11.38%	0.682%
39	18.080	2632	2634	2636	rVV	704954	890773	10.15%	0.609%
40	18.104	2636	2638	2644	rVB	891275	1076628	12.27%	0.736%
41	18.186	2648	2652	2656	rBV	166105	216036	2.46%	0.148%
42	18.245	2657	2662	2666	rBV2	744926	1288467	14.69%	0.880%
43	18.286	2666	2669	2676	rVB	543089	783832	8.94%	0.536%
44	18.374	2680	2684	2687	rBV3	143024	209545	2.39%	0.143%
45	18.456	2693	2698	2703	rVB2	146394	225852	2.57%	0.154%
46	18.556	2711	2715	2718	rBV2	299752	392921	4.48%	0.268%
47	18.598	2718	2722	2733	rVB3	301589	652038	7.43%	0.446%
48	18.774	2748	2752	2754	rBV2	130049	176023	2.01%	0.120%
49	18.804	2754	2757	2761	rVV	278548	364923	4.16%	0.249%
50	18.856	2762	2766	2769	rVV	419068	549754	6.27%	0.376%
51	18.892	2769	2772	2777	rVB2	354977	473135	5.39%	0.323%
52	18.974	2781	2786	2791	rBV	988845	1573754	17.94%	1.075%
53	19.027	2791	2795	2799	rVV2	398846	770385	8.78%	0.526%
54	19.068	2799	2802	2805	rVB	309307	370836	4.23%	0.253%
55	19.115	2805	2810	2816	rBV2	421587	816834	9.31%	0.558%
56	19.239	2823	2831	2837	rBV	2632975	3542200	40.38%	2.420%
57	19.303	2838	2842	2845	rBV	213285	293018	3.34%	0.200%
58	19.339	2845	2848	2850	rBV2	155499	198685	2.26%	0.136%
59	19.392	2853	2857	2860	rVB	225590	293511	3.35%	0.201%
60	19.480	2869	2872	2875	rBV2	145904	171495	1.95%	0.117%
61	19.515	2875	2878	2882	rVB3	168888	222880	2.54%	0.152%
62	19.574	2882	2888	2891	rBV	5790314	8772447	100.00%	5.994%
63	19.603	2891	2893	2901	rVB	3057657	3772776	43.01%	2.578%
64	19.680	2901	2906	2911	rBV2	703117	1314615	14.99%	0.898%
65	19.839	2930	2933	2940	rVB3	323560	546450	6.23%	0.373%
66	19.921	2943	2947	2959	rVV5	471425	1184479	13.50%	0.809%
67	20.015	2959	2963	2966	rBV3	154877	227364	2.59%	0.155%
68	20.062	2966	2971	2973	rVV4	387615	645834	7.36%	0.441%
69	20.092	2974	2976	2981	rVB	678107	808598	9.22%	0.552%
70	20.198	2990	2994	2998	rVB2	308155	368814	4.20%	0.252%
71	20.256	2999	3004	3008	rVV	792183	1044823	11.91%	0.714%

LSC Area Percent Report

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Data File : BM007102.D
Acq On : 14 Aug 2016 11:38
Operator : UM/SJ
Sample : H4387-16
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0612-01

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

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

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Title : SVOA CALIBRATION

72	20.392	3024	3027	3031	rBV	637228	812731	9.26%	0.555%
73	20.439	3031	3035	3039	rVV	572169	753452	8.59%	0.515%
74	20.480	3039	3042	3050	rVB3	178428	296970	3.39%	0.203%
75	20.556	3052	3055	3059	rVB3	163110	225122	2.57%	0.154%
76	20.845	3100	3104	3110	rVB	489486	796493	9.08%	0.544%
77	20.933	3116	3119	3123	rVB	239591	295587	3.37%	0.202%
78	20.986	3124	3128	3130	rBV2	348949	495954	5.65%	0.339%
79	21.009	3130	3132	3136	rVV2	466834	616196	7.02%	0.421%
80	21.050	3136	3139	3141	rVV	259501	284907	3.25%	0.195%
81	21.080	3141	3144	3150	rVV3	750701	1061912	12.11%	0.726%
82	21.362	3185	3192	3196	rBV2	4778134	8337647	95.04%	5.697%
83	21.397	3196	3198	3208	rVB	1767917	2342460	26.70%	1.601%
84	21.480	3209	3212	3215	rVB2	221628	276846	3.16%	0.189%
85	21.521	3216	3219	3223	rBV4	242741	391412	4.46%	0.267%
86	21.568	3224	3227	3230	rBV	202867	311303	3.55%	0.213%
87	21.862	3274	3277	3280	rBV	199035	263006	3.00%	0.180%
88	21.921	3280	3287	3291	rVV	725432	1277945	14.57%	0.873%
89	21.974	3292	3296	3300	rVV	621080	861658	9.82%	0.589%
90	22.121	3317	3321	3324	rBV2	349333	479335	5.46%	0.328%
91	22.956	3457	3463	3467	rBV2	1460545	3084673	35.16%	2.108%
92	22.997	3467	3470	3475	rVB	1156048	1760644	20.07%	1.203%
93	23.133	3488	3493	3504	rVB	333478	717382	8.18%	0.490%
94	23.444	3541	3546	3549	rBV	807992	1429537	16.30%	0.977%
95	23.497	3549	3555	3559	rVV	3977958	7728965	88.11%	5.281%
96	23.538	3559	3562	3570	rVB	1490623	2606823	29.72%	1.781%
97	23.639	3572	3579	3585	rBV	2663321	5377870	61.30%	3.674%
98	24.197	3669	3674	3681	rVB2	512578	1033777	11.78%	0.706%
99	25.927	3964	3968	3977	rVB2	548713	1417222	16.16%	0.968%
100	26.632	4084	4088	4099	rVB	427435	1167947	13.31%	0.798%

Sum of corrected areas: 146357614

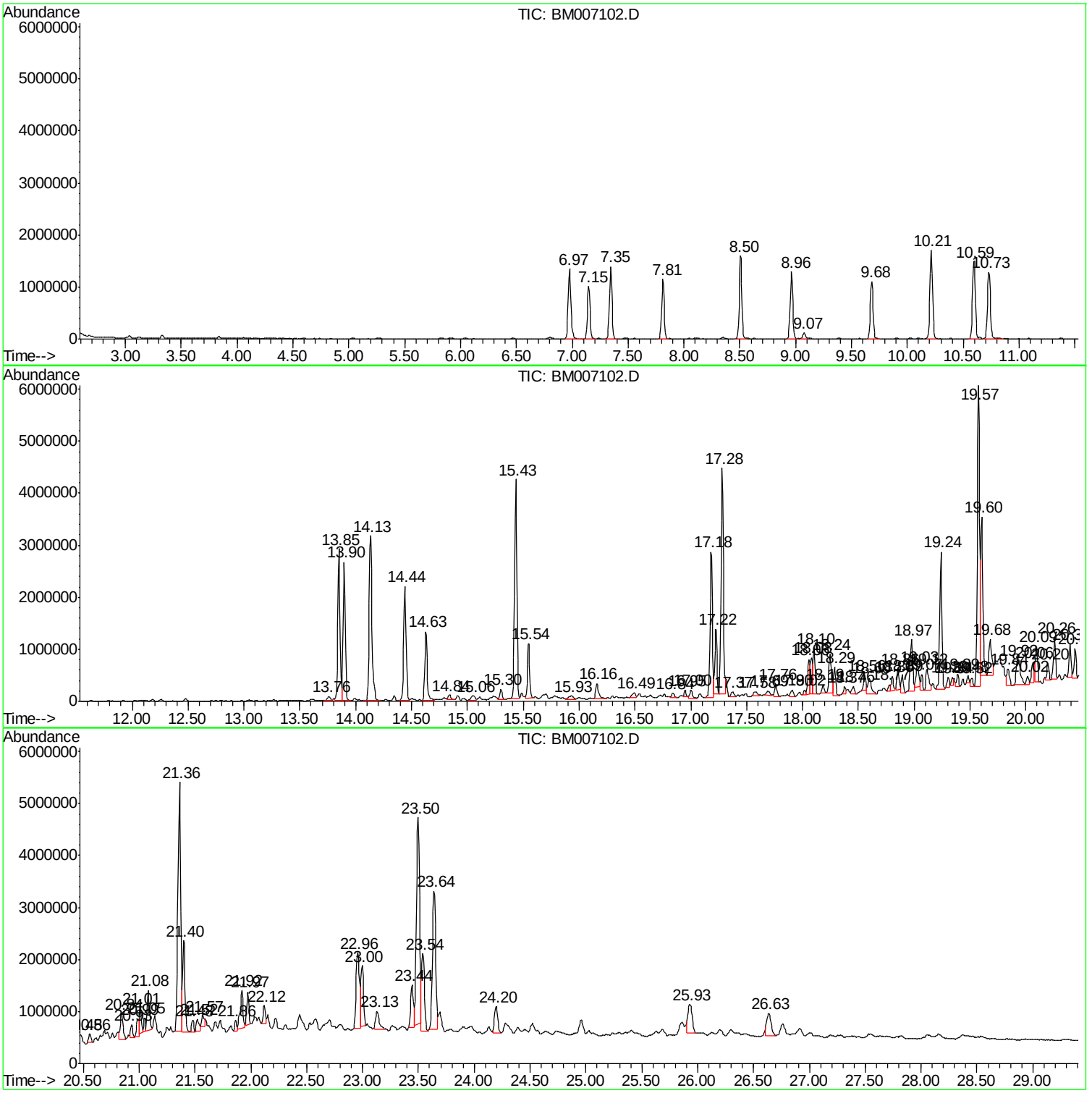
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007102.D
Acq On : 14 Aug 2016 11:38
Operator : UM/SJ
Sample : H4387-16
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P003-SS004-0612-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007102.D
Acq On : 14 Aug 2016 11:38
Operator : UM/SJ
Sample : H4387-16
Misc :
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Instrument : BNA_M
ClientSampleId : P003-SS004-0612-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

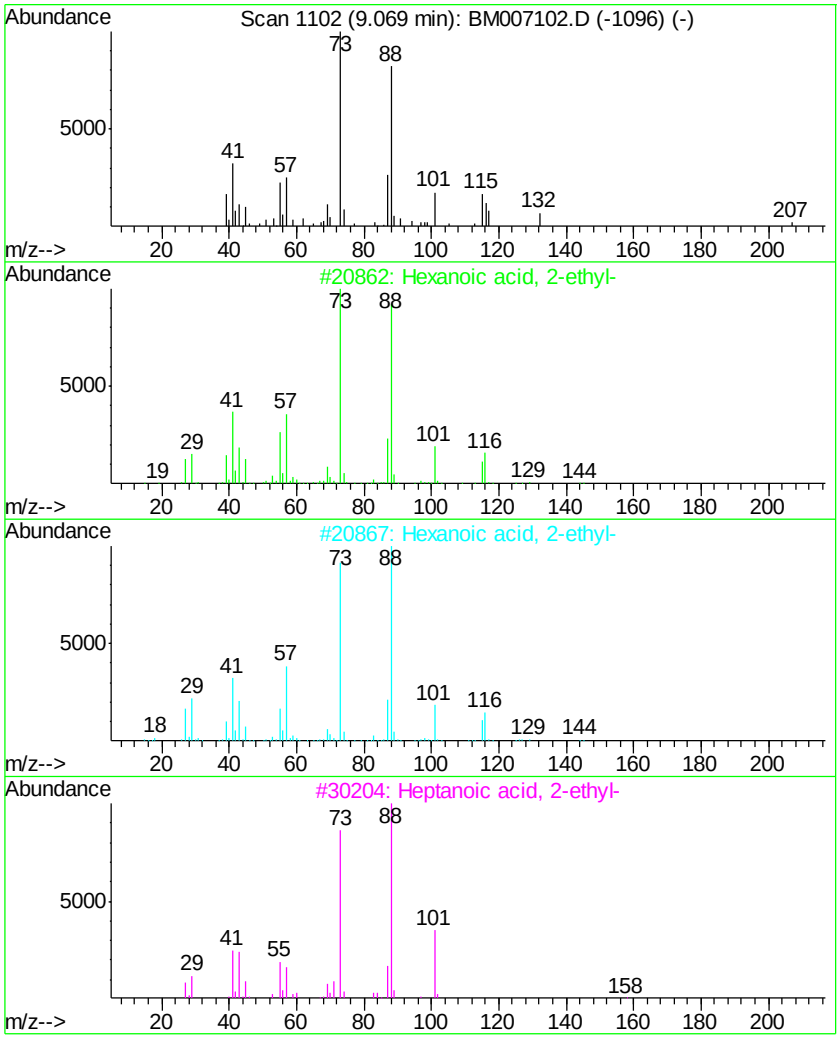
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

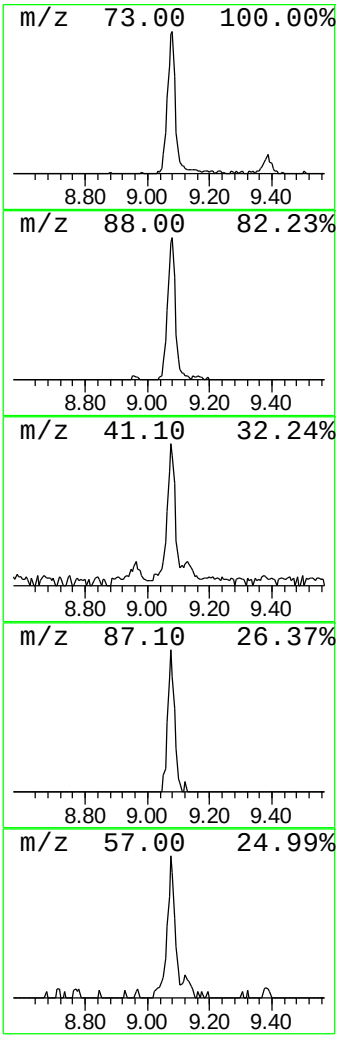
****

Peak Number 1 Hexanoic acid, 2-ethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.07	2.14 ng/ul	195541	1,4-Dichlorobenzene-d4	7.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	80
2	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	72
3	Heptanoic acid, 2-ethyl-	158	C9H18O2	003274-29-1	53
4	Butanoic acid, 2-ethyl-, 1,2,3-p...	386	C21H38O6	056554-54-2	45
5	Octanoic acid, 2-methyl-, methyl...	172	C10H20O2	002177-86-8	38





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007102.D
Acq On : 14 Aug 2016 11:38
Operator : UM/SJ
Sample : H4387-16
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0612-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

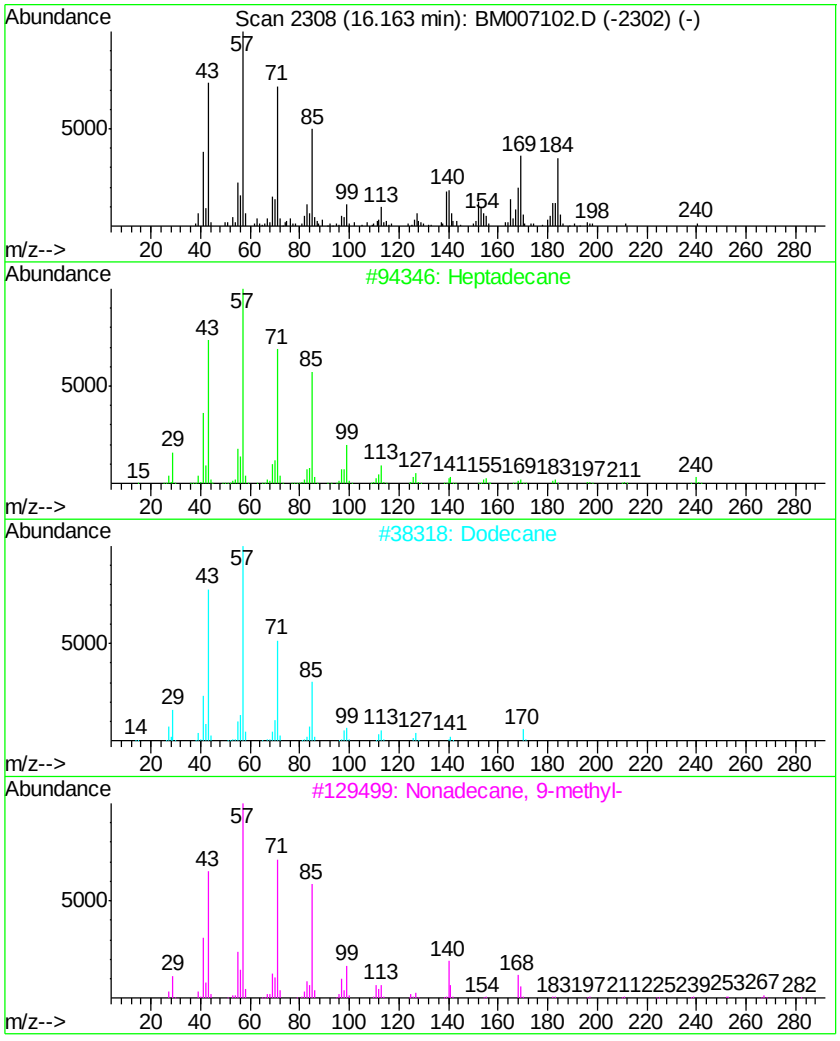
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

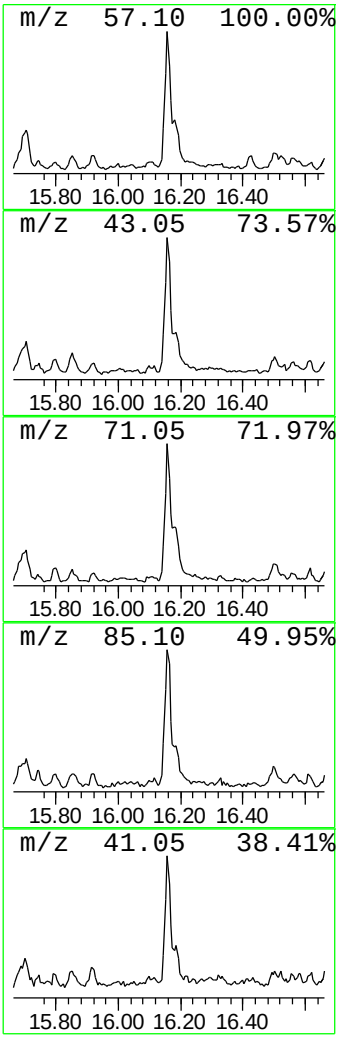
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.16	2.53 ng/ul	531353	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	91
2	Dodecane	170	C12H26	000112-40-3	78
3	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	62
4	Dodecane	170	C12H26	000112-40-3	60
5	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	58





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007102.D
Acq On : 14 Aug 2016 11:38
Operator : UM/SJ
Sample : H4387-16
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0612-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

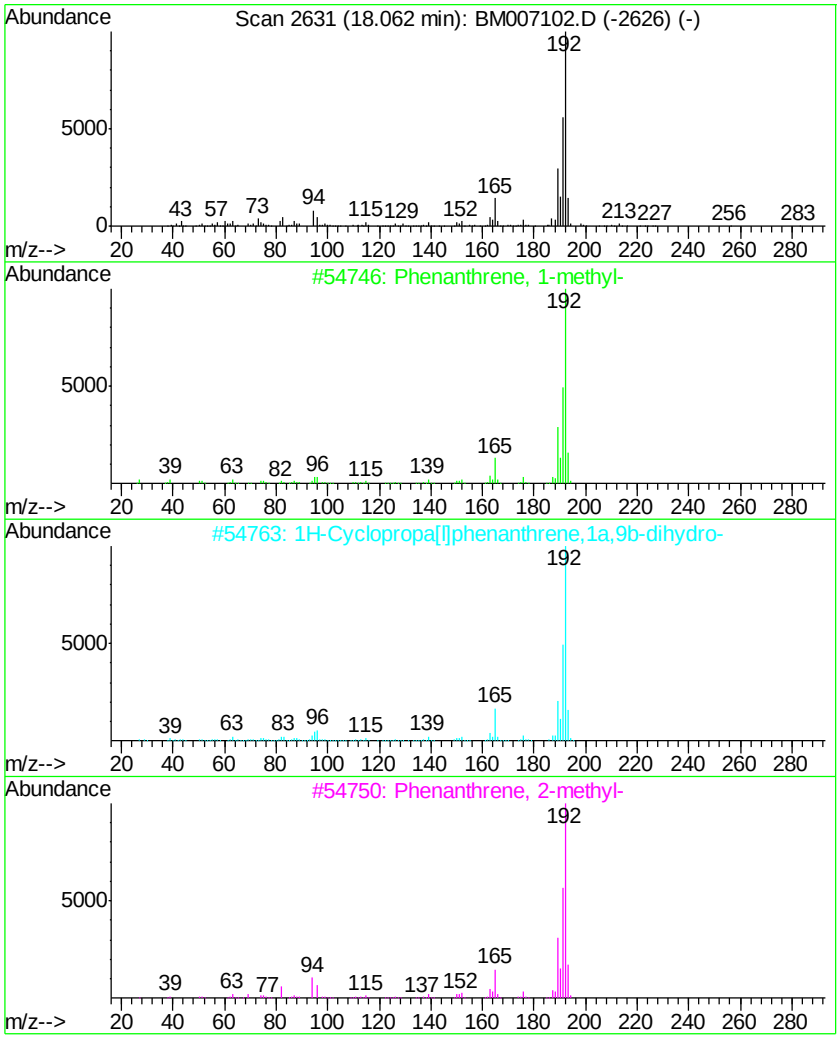
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

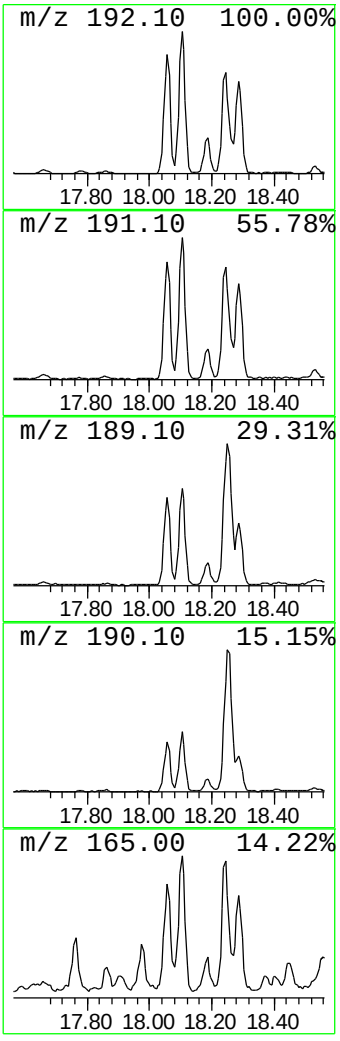
****

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	4.76 ng/ul	998217	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007102.D
Acq On : 14 Aug 2016 11:38
Operator : UM/SJ
Sample : H4387-16
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P003-SS004-0612-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

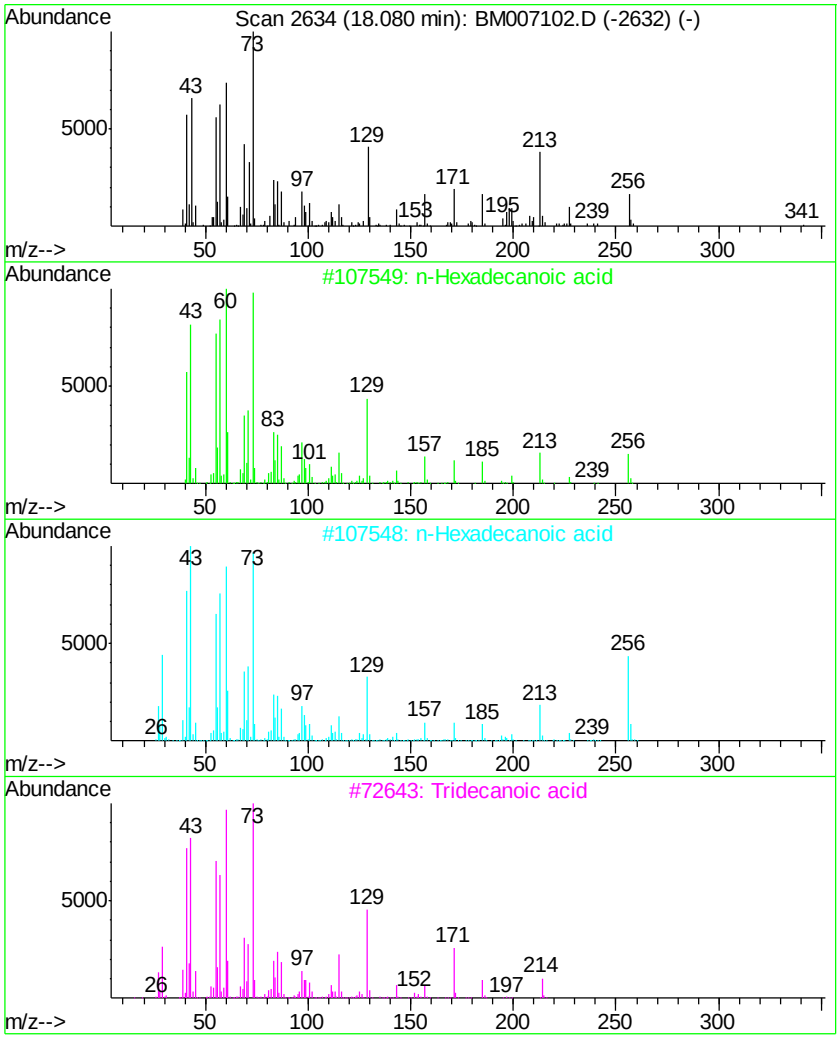
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

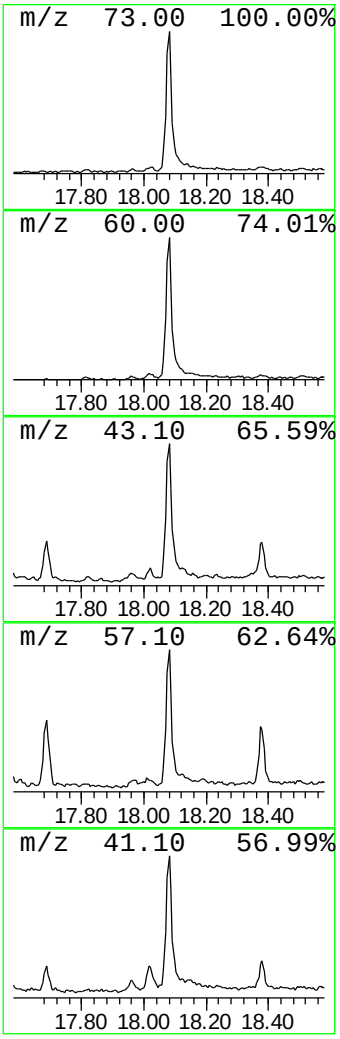
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	4.25 ng/ul	890773	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
3	Tridecanoic acid	214	C13H26O2	000638-53-9	89
4	Tridecanoic acid	214	C13H26O2	000638-53-9	76
5	Dodecanoic acid	200	C12H24O2	000143-07-7	62





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007102.D
Acq On : 14 Aug 2016 11:38
Operator : UM/SJ
Sample : H4387-16
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0612-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

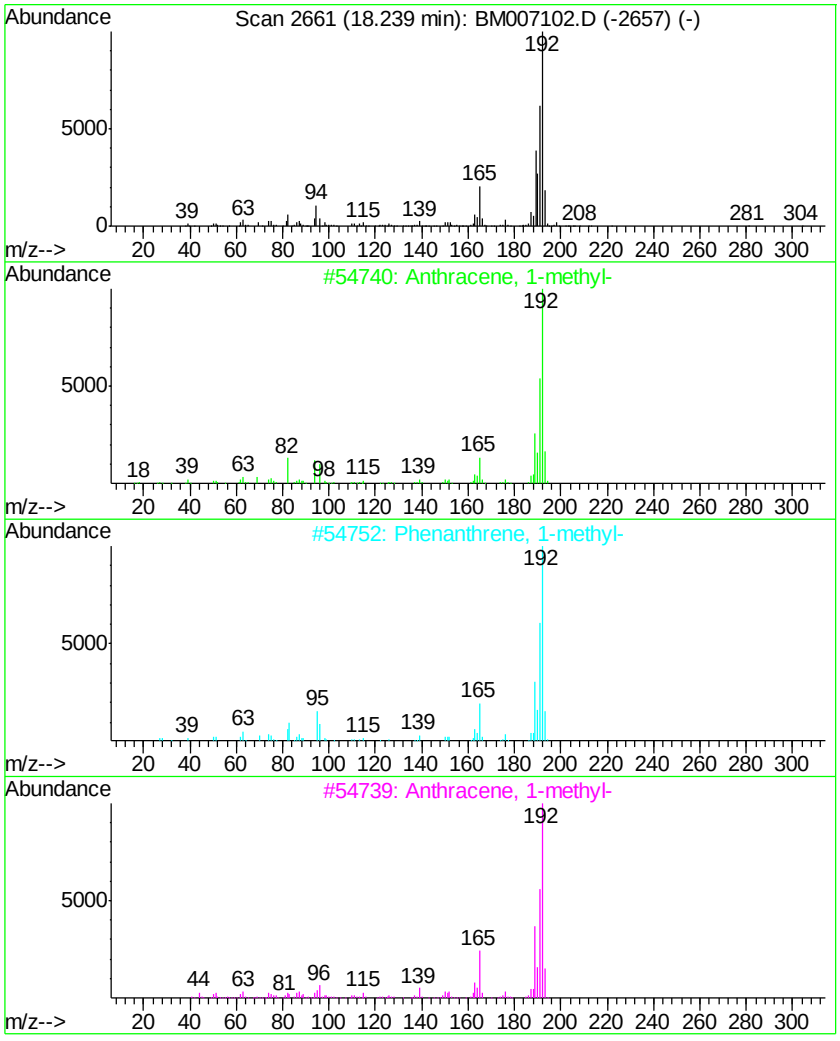
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

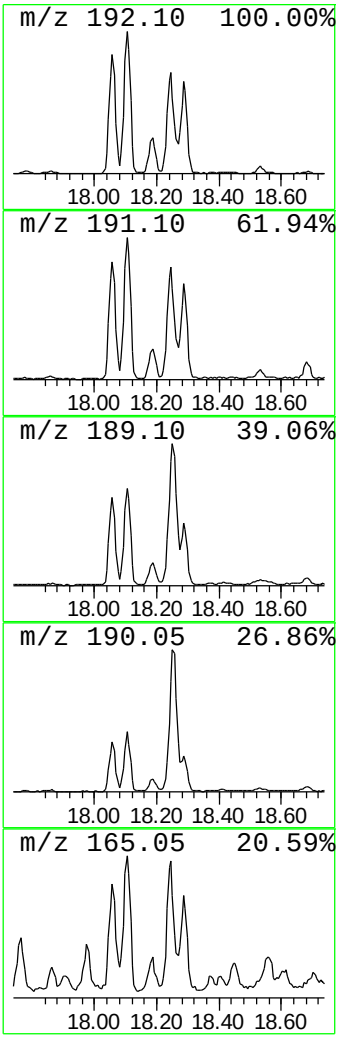
****

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	6.15 ng/ul	1288470	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	78
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	64
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	64





Library Search Compound Report

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Acq On : 14 Aug 2016 11:38
Operator : UM/SJ
Sample : H4387-16
Misc :
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Instrument : BNA_M
ClientSampleId : P003-SS004-0612-01

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Quant Title : SVOA CALIBRATION

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

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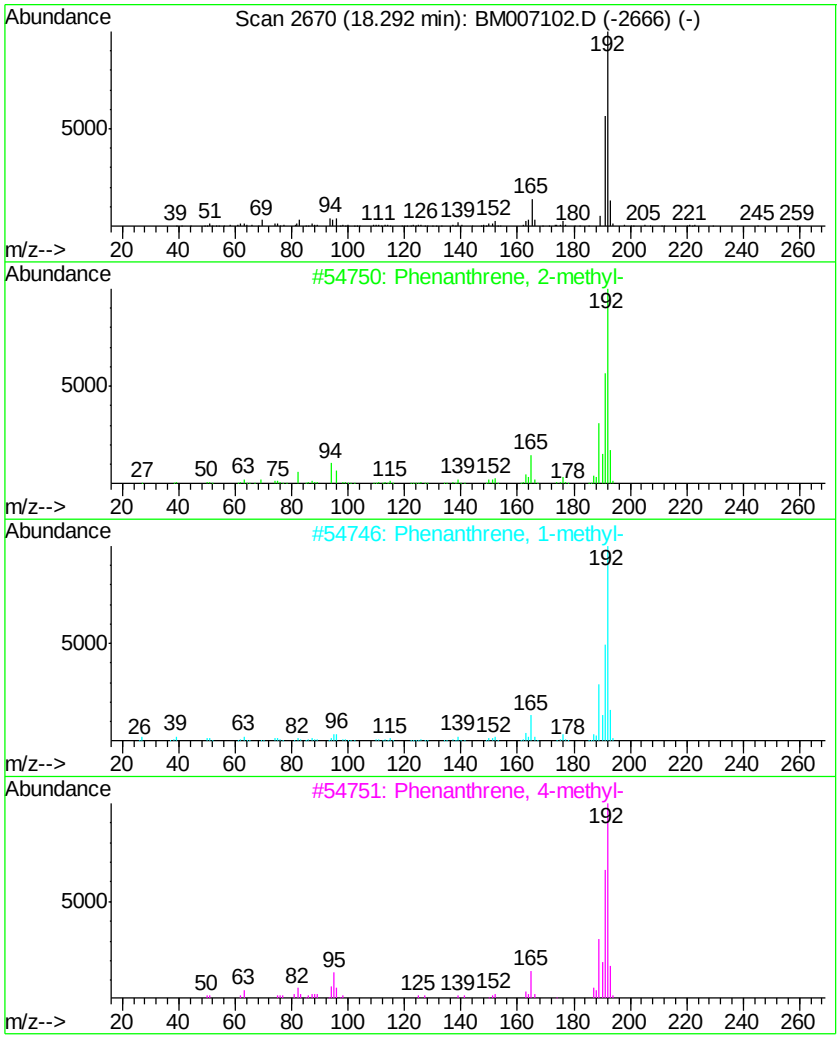
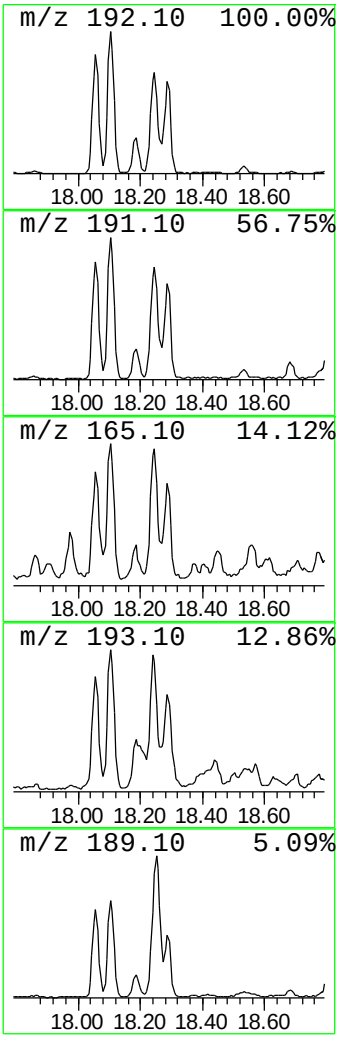
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	3.74 ng/ul	783832	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





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Quant Title : SVOA CALIBRATION

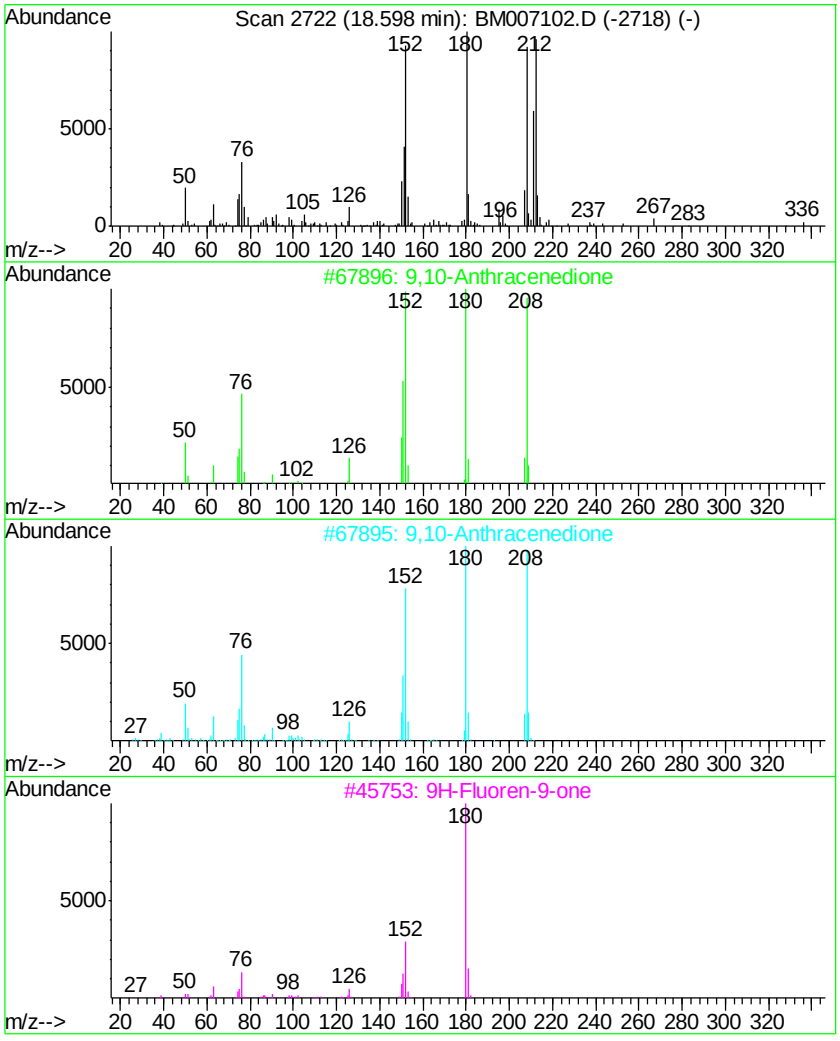
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

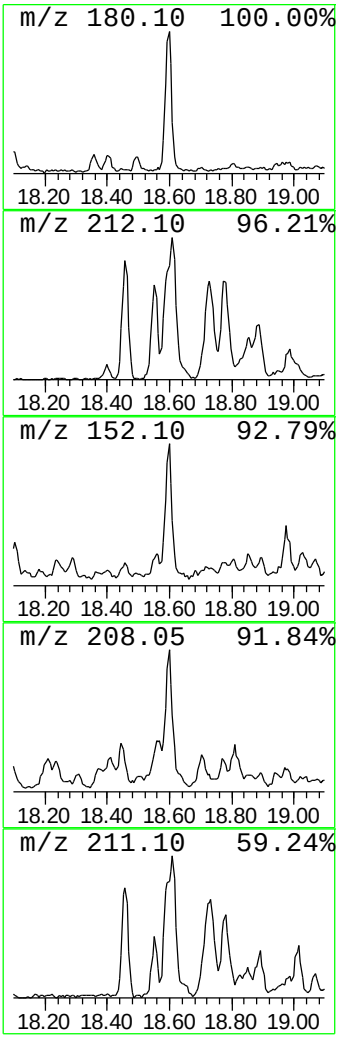
****

Peak Number 8 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.60	3.11 ng/ul	652038	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	78
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	58
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	52





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Quant Title : SVOA CALIBRATION

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

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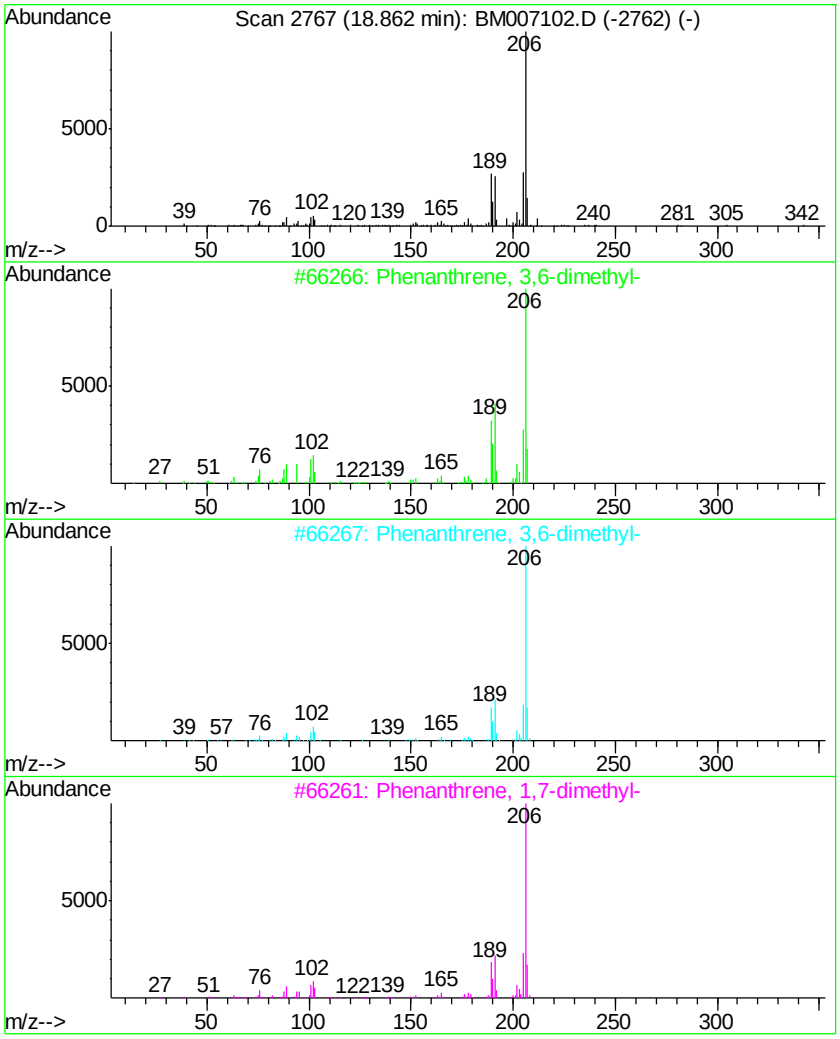
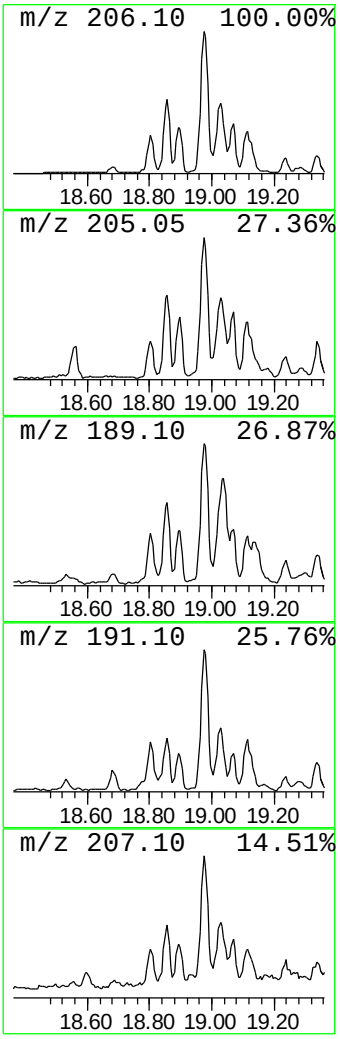
Peak Number 9 Phenanthrene, 3,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	2.62 ng/ul	549754	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83





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ClientSampleId : P003-SS004-0612-01

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Quant Title : SVOA CALIBRATION

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

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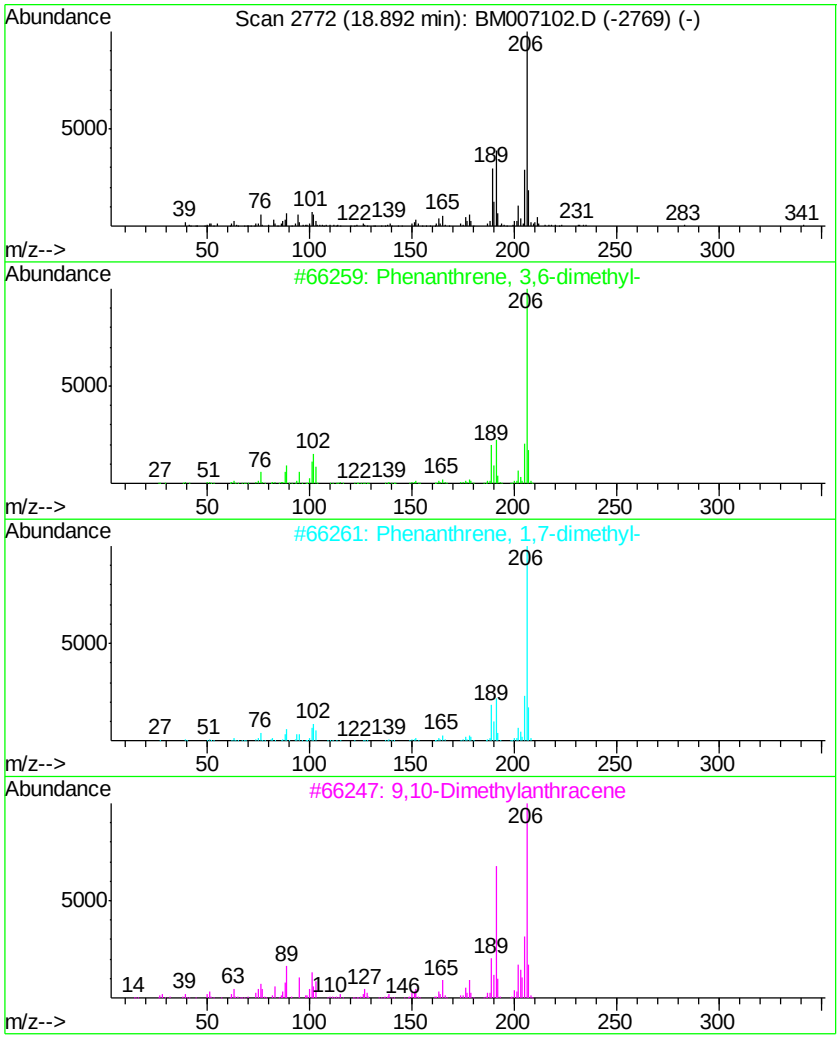
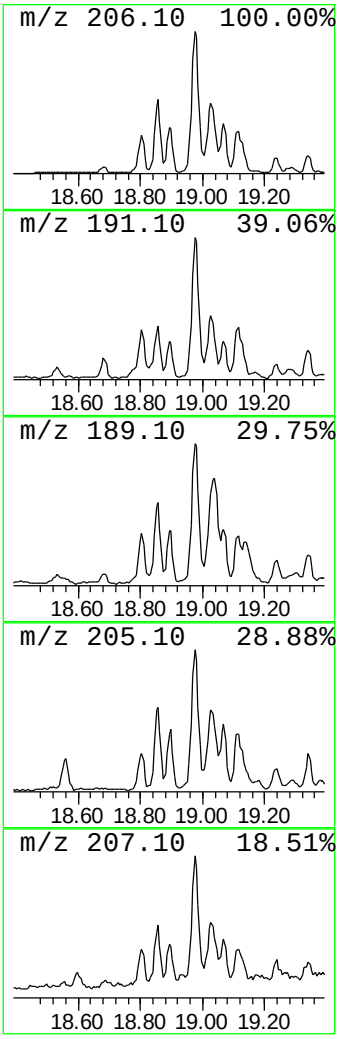
Peak Number 10 Phenanthrene, 1,7-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.89	2.26 ng/ul	473135	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91





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Quant Title : SVOA CALIBRATION

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

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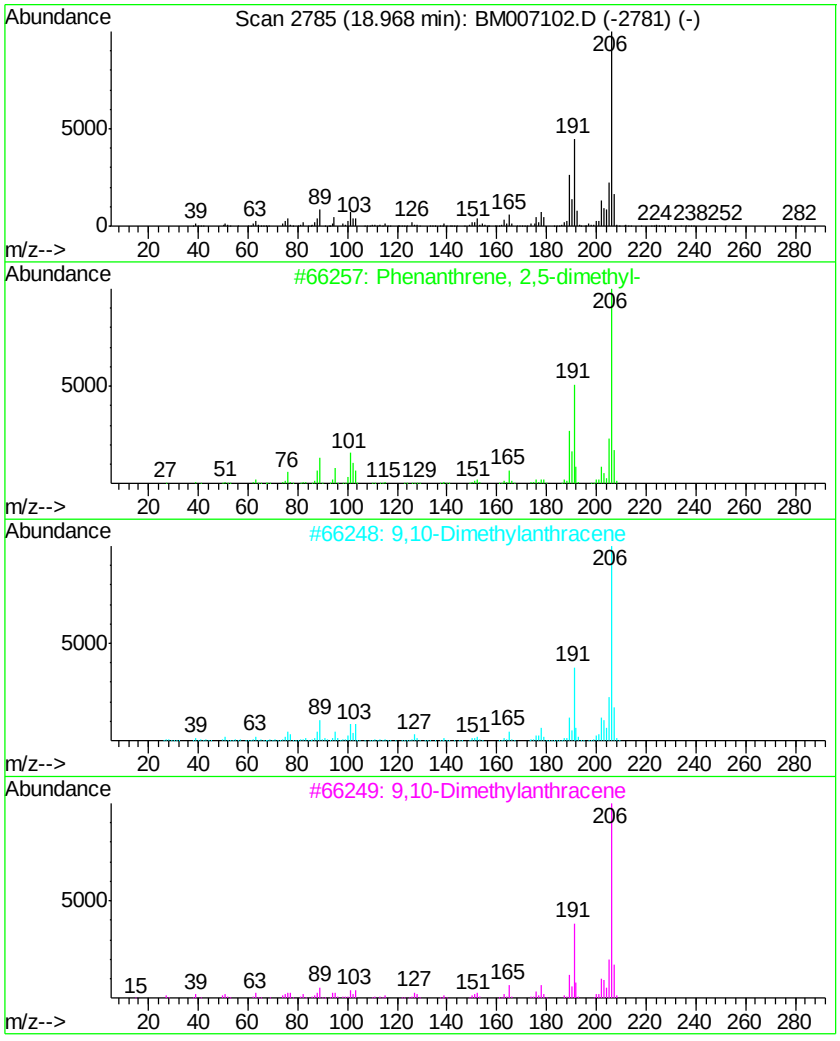
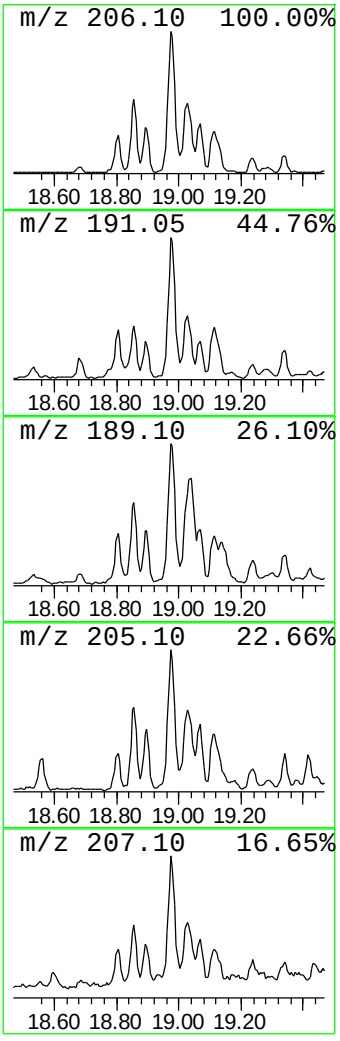
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	7.51 ng/ul	1573750	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





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Sample : H4387-16
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Instrument : BNA_M
ClientSampleId : P003-SS004-0612-01

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Quant Title : SVOA CALIBRATION

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

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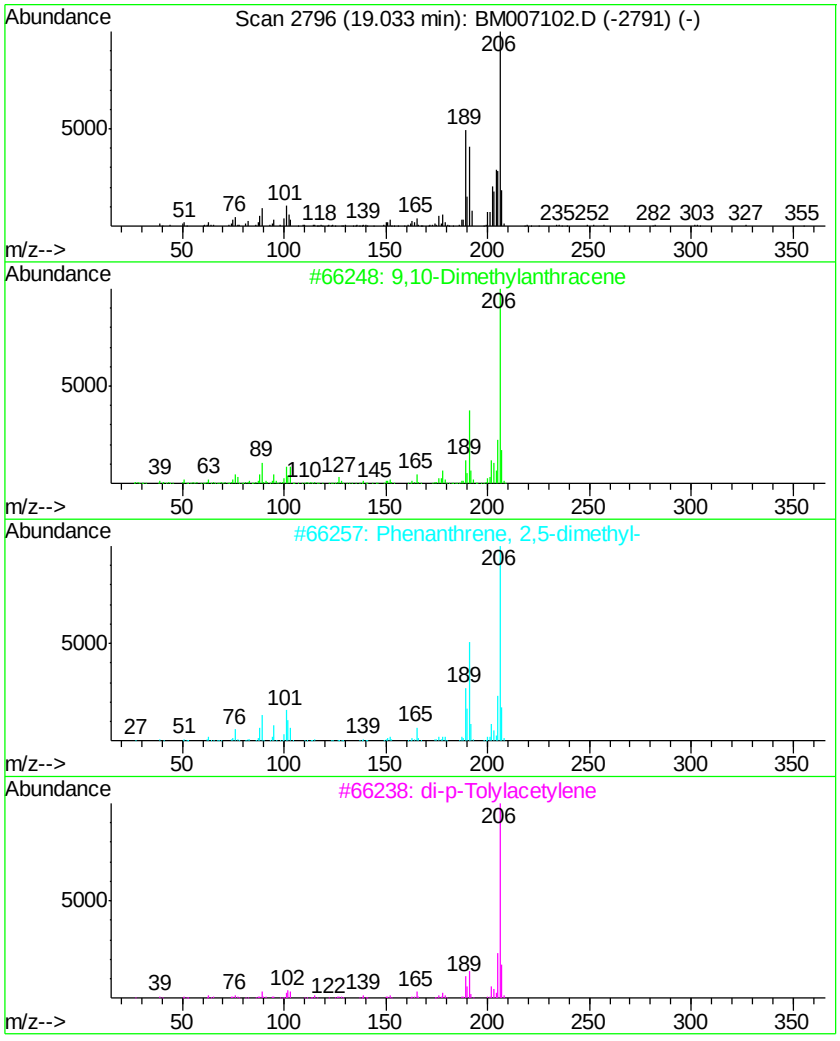
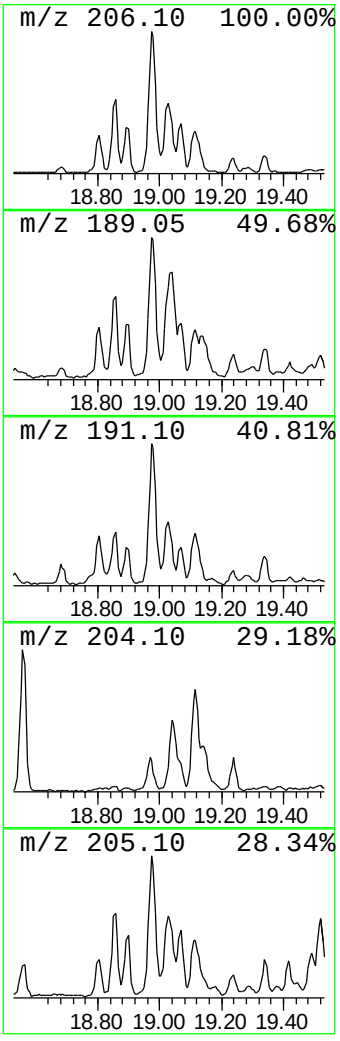
Peak Number 12 9,10-Dimethylanthracene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.03	3.67 ng/ul	770385	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	81
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	80





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ClientSampleId : P003-SS004-0612-01

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Quant Title : SVOA CALIBRATION

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

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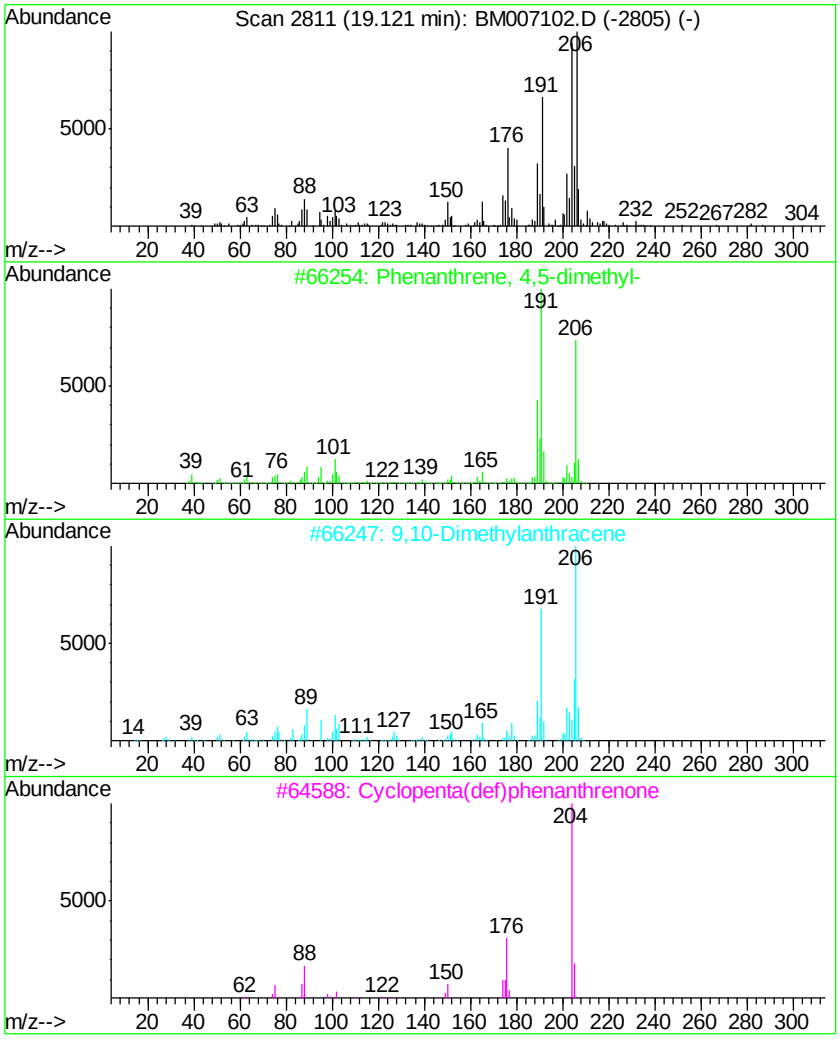
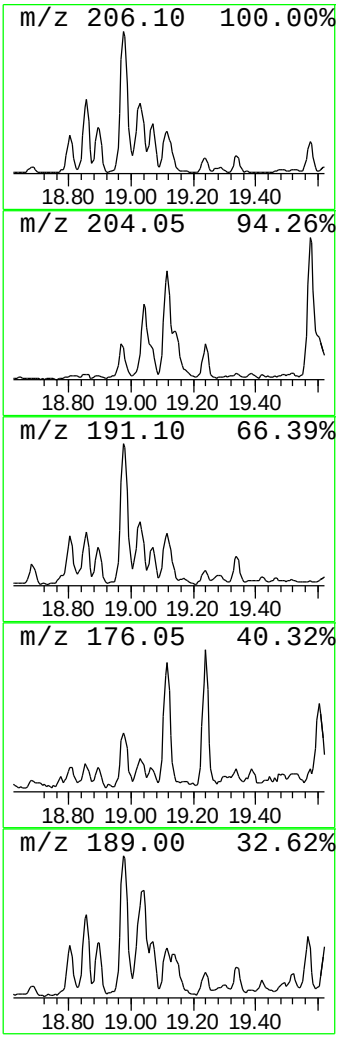
Peak Number 13 Phenanthrene, 4,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.12	3.90 ng/ul	816834	Phenanthrene-d10	17.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
3	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	83
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	70
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	55





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Quant Title : SVOA CALIBRATION

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

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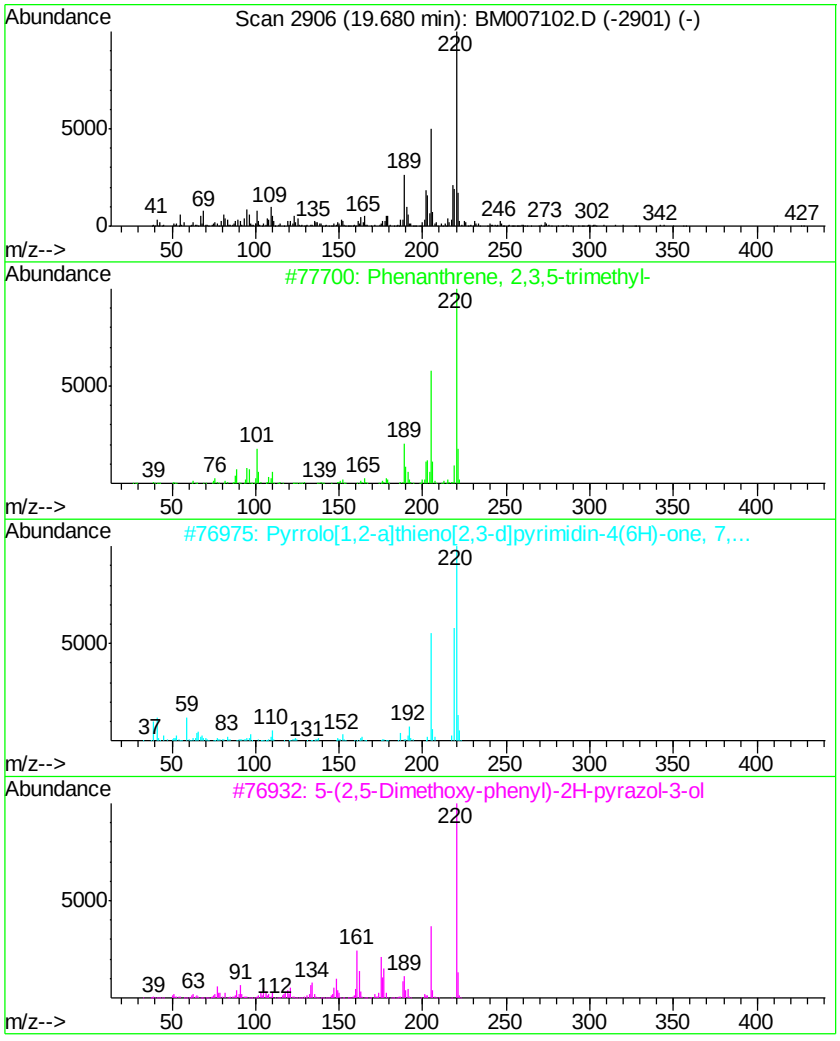
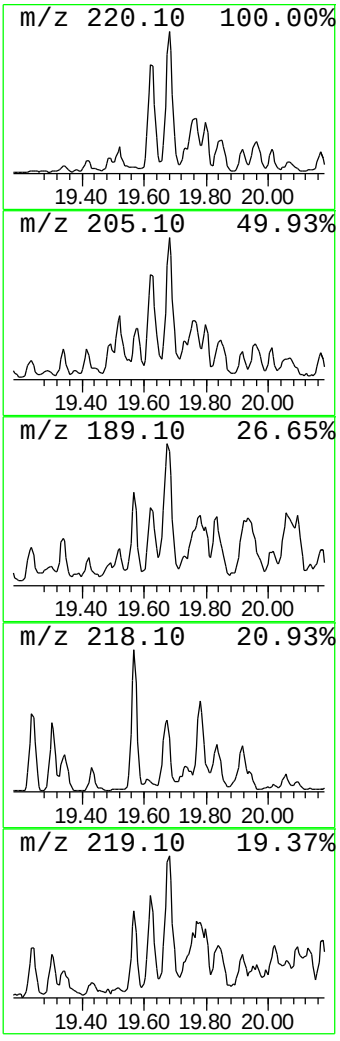
Peak Number 14 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.68	3.15 ng/ul	1314620	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	76
2	Pyrrolo[1,2-a]thieno[2,3-d]pyrim...	220	C11H12N2OS	056929-61-4	53
3	5-(2,5-Dimethoxy-phenyl)-2H-pyra...	220	C11H12N2O3	1000278-26-9	50
4	7-Nitro-6-methoxy-2,3-dimethylin...	220	C11H12N2O3	068289-71-4	49
5	Lophophorine	235	C13H17NO3	1000379-12-6	47





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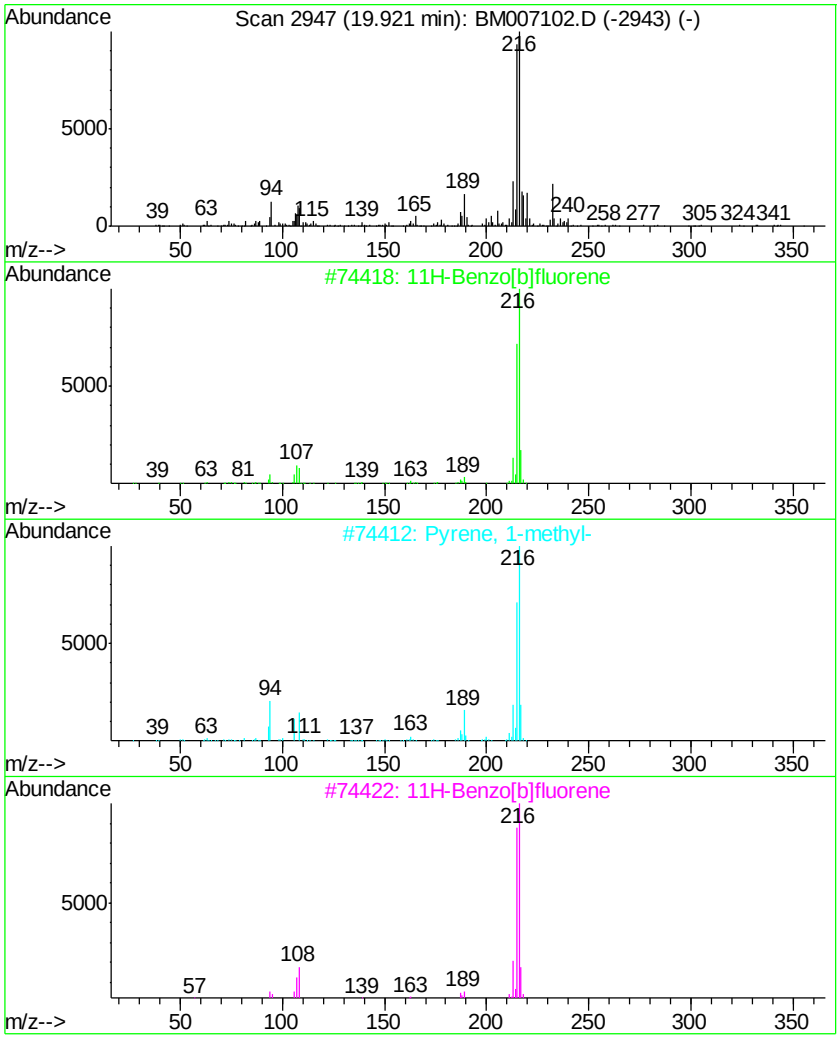
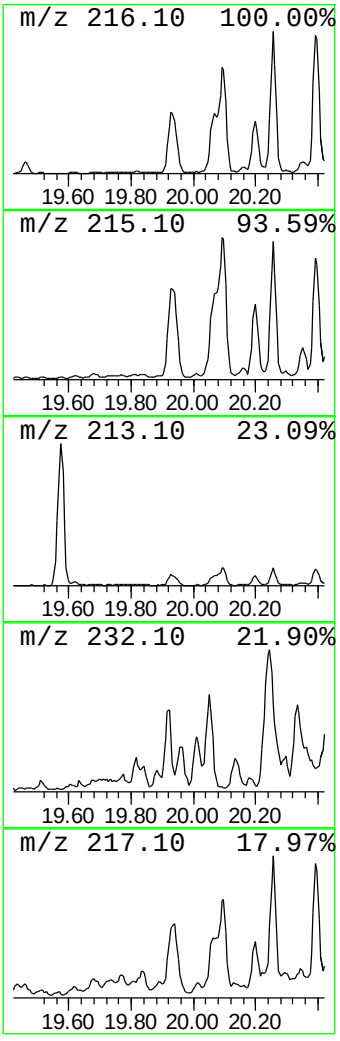
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	2.84 ng/ul	1184480	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	70
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	70





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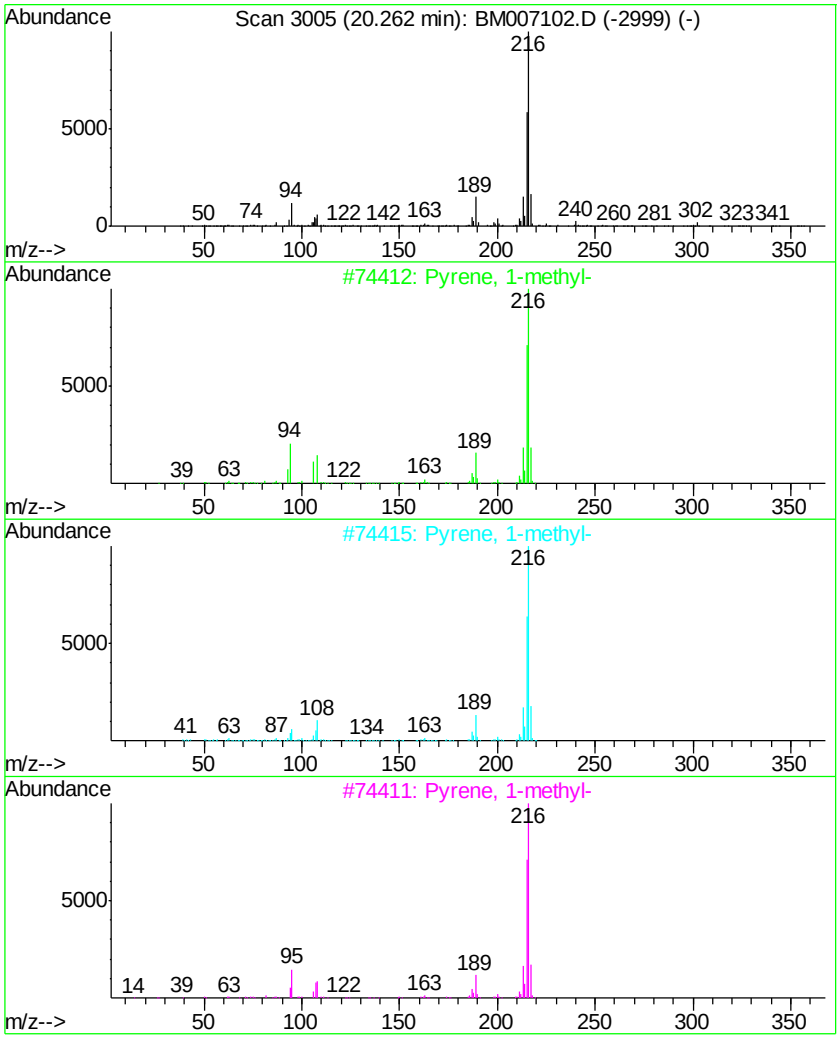
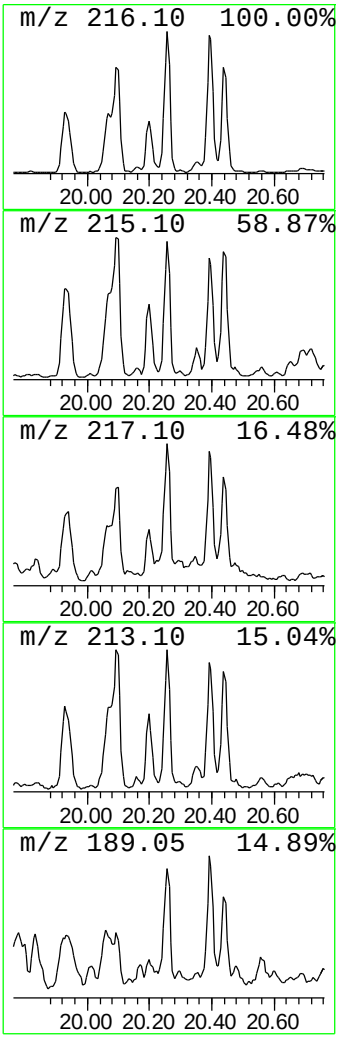
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.26	2.51 ng/ul	1044820	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93





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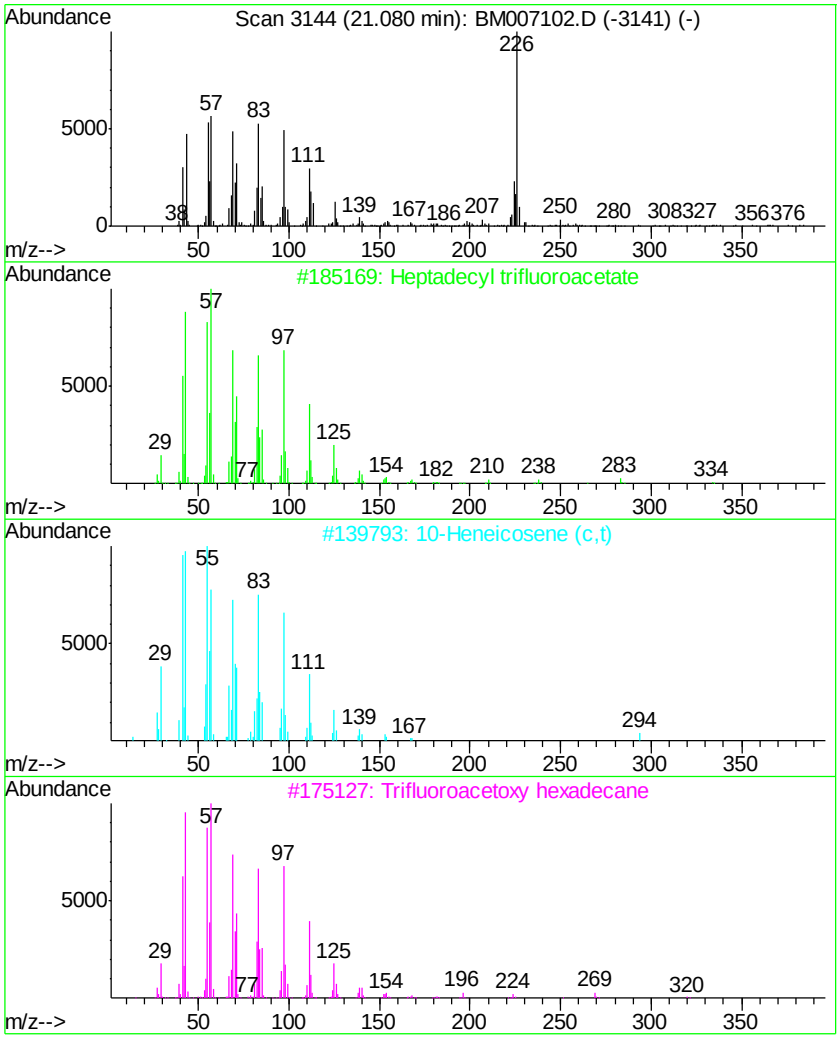
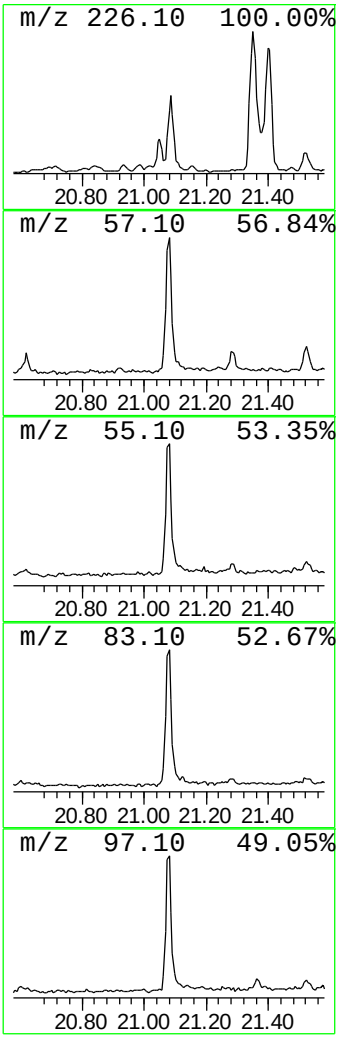
Peak Number 17 Heptadecyl trifluoroacetate Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.08	2.55 ng/ul	1061910	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecyl trifluoroacetate	352	C19H35F3O2	1000351-87-0	81
2	10-Heneicosene (c,t)	294	C21H42	095008-11-0	55
3	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	46
4	Nonadecyl trifluoroacetate	380	C21H39F3O2	1000351-76-3	46
5	1-Heptacosanol	396	C27H56O	002004-39-9	46





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Sample : H4387-16
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0612-01

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TIC Integration Parameters: LSCINT.P

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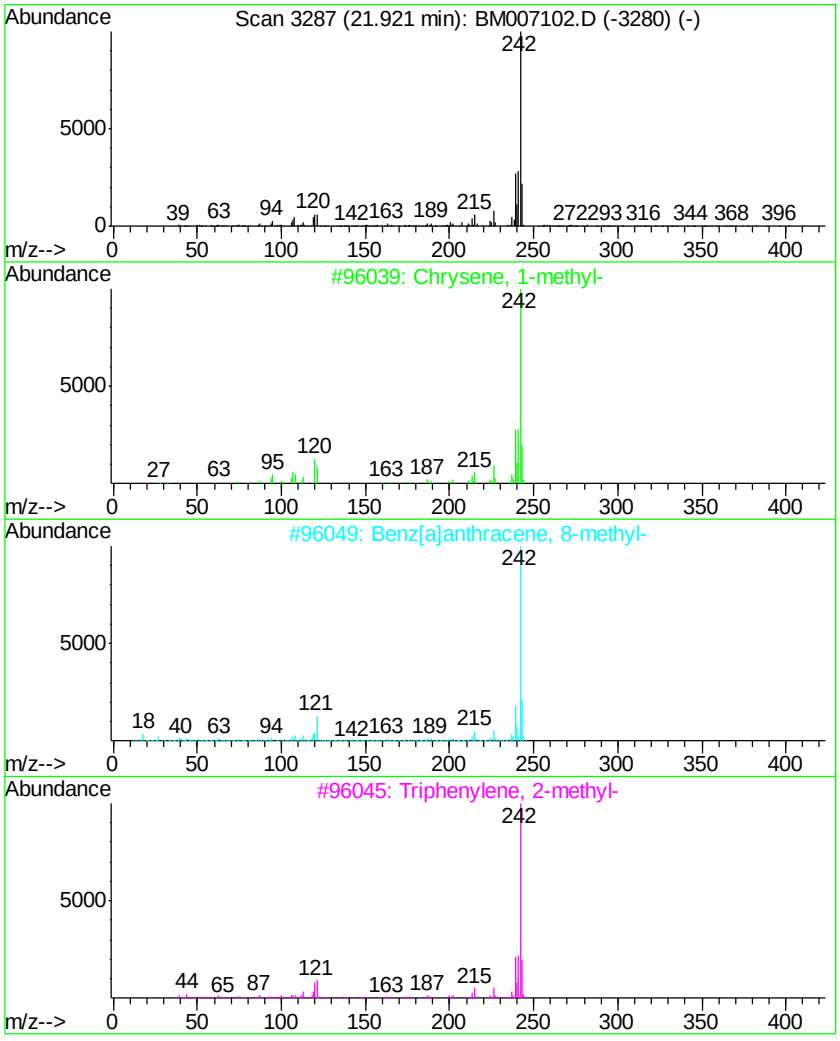
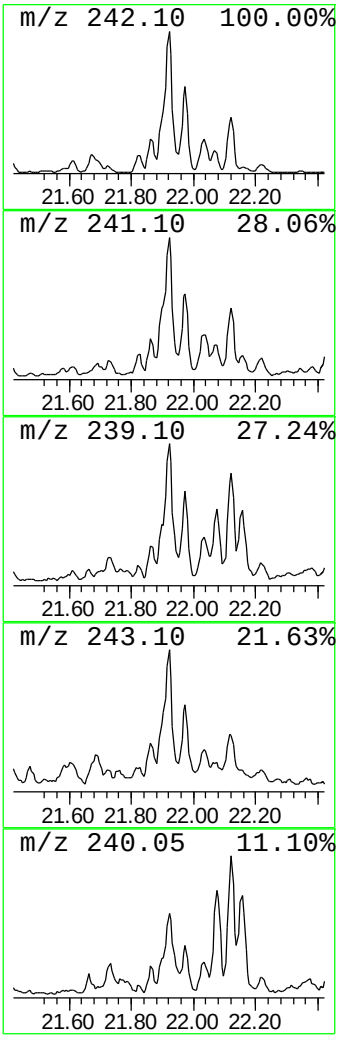
Peak Number 18 Chrysene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.92	3.07 ng/ul	1277950	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	94
2	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	93
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	91
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	90





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Data File : BM007102.D
Acq On : 14 Aug 2016 11:38
Operator : UM/SJ
Sample : H4387-16
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0612-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

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

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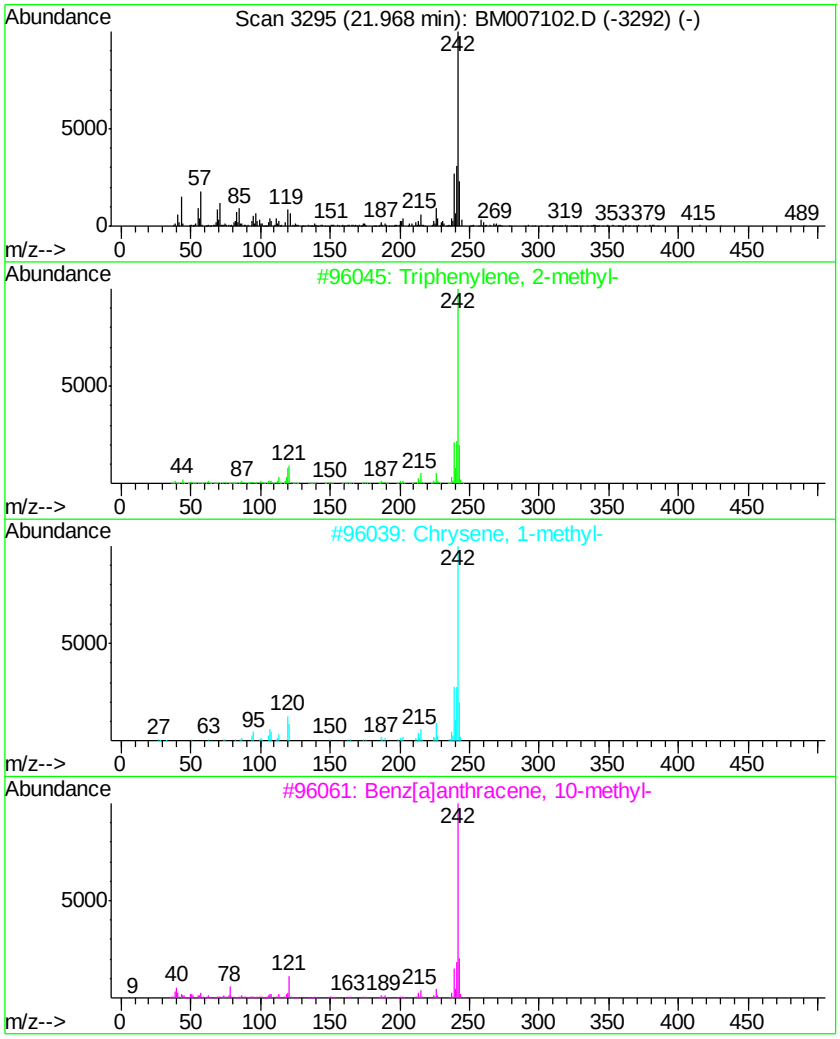
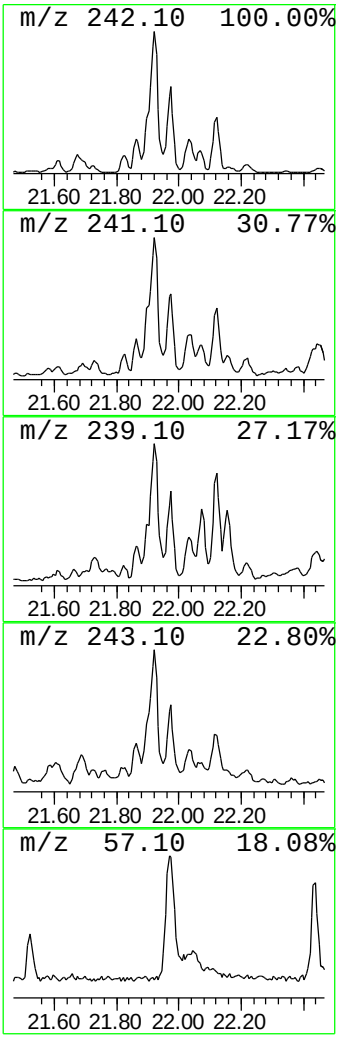
Peak Number 19 Triphenylene, 2-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.97	2.07 ng/ul	861658	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
3	Benz[a]anthracene, 10-methyl-	242	C19H14	002381-15-9	89
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	89
5	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	86





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007102.D
Acq On : 14 Aug 2016 11:38
Operator : UM/SJ
Sample : H4387-16
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0612-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

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

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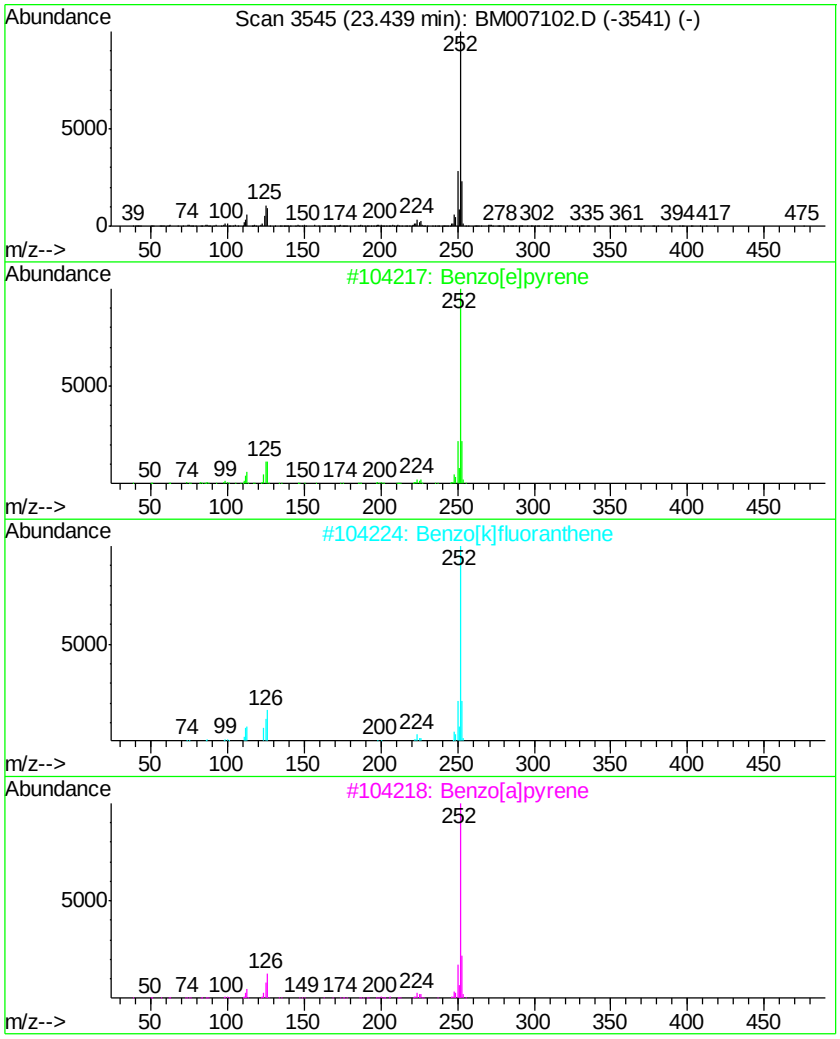
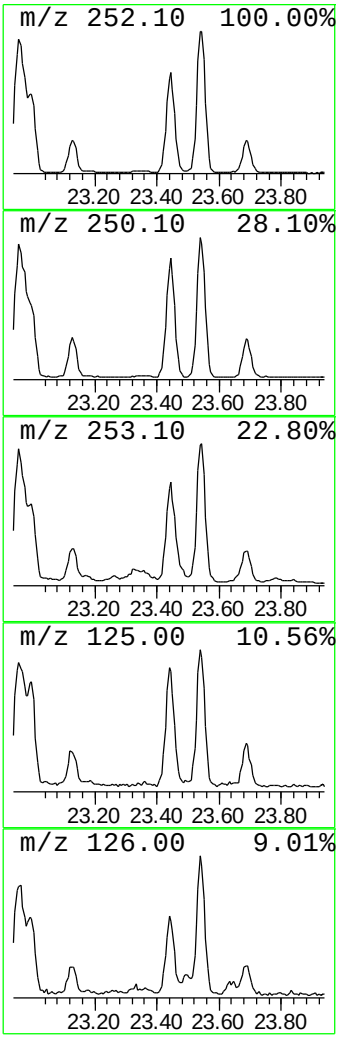
Peak Number 21 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.44	5.32 ng/ul	1429540	Perylene-d12	23.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	91
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007102.D
Acq On : 14 Aug 2016 11:38
Operator : UM/SJ
Sample : H4387-16
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0612-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

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

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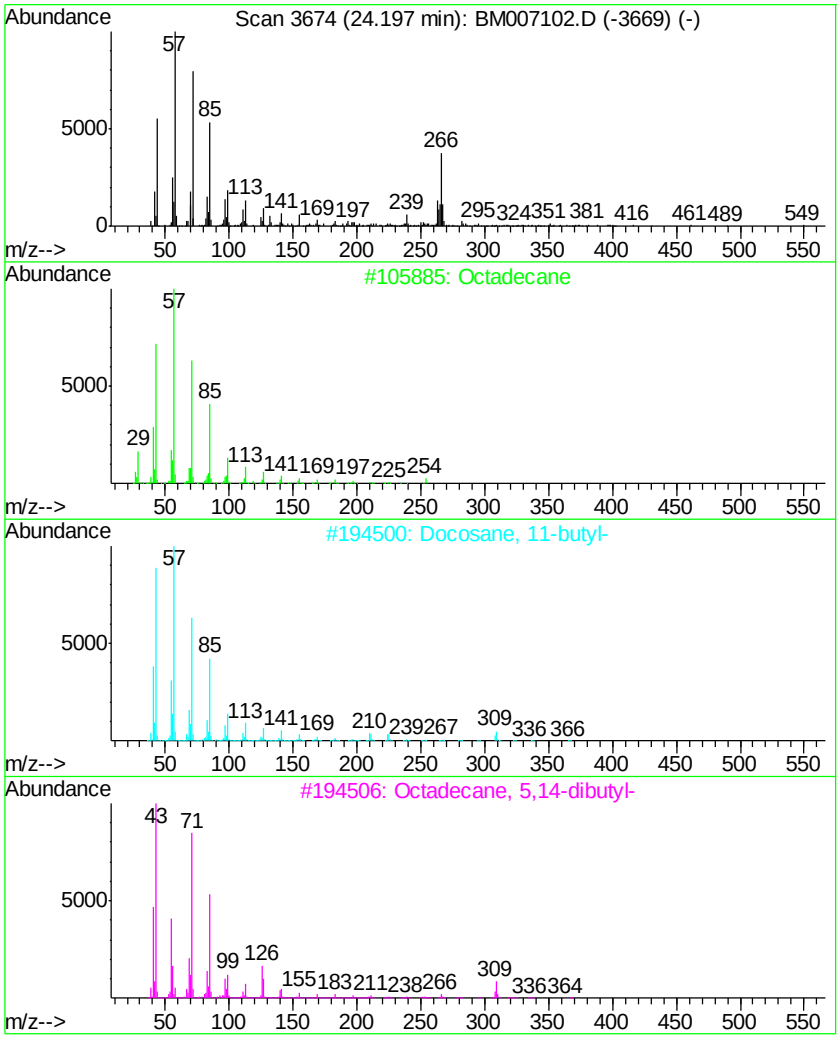
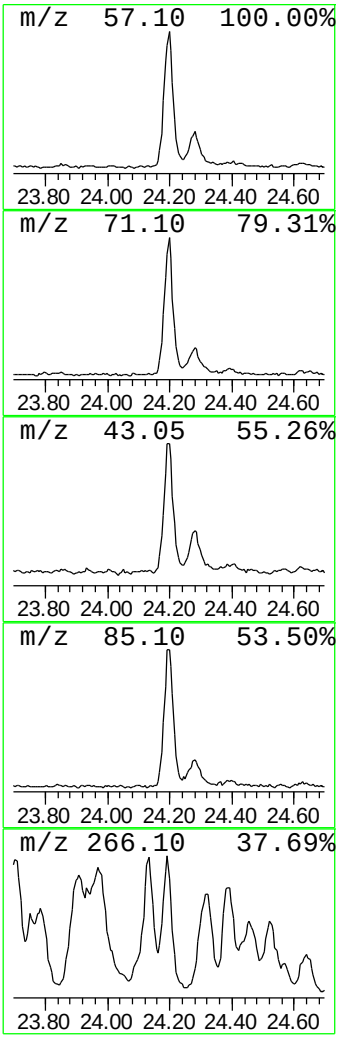
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.20	3.84 ng/ul	1033780	Perylene-d12	23.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	86
2	Docosane, 11-butyl-	366	C26H54	013475-76-8	86
3	Octadecane, 5,14-dibutyl-	366	C26H54	055282-13-8	70
4	Heptacosane	380	C27H56	000593-49-7	70
5	2-methyloctacosane	408	C29H60	1000376-72-8	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081316\
Data File : BM007102.D
Acq On : 14 Aug 2016 11:38
Operator : UM/SJ
Sample : H4387-16
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS004-0612-01

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.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
Hexanoic acid, 2-...	9.07	2.1	ng/ul	195541	1	7.81	1831120	20.0
(DEL) Alkane: Str...	16.16	2.5	ng/ul	531353	4	17.18	4192990	20.0
Phenanthrene, 1-m...	18.06	4.8	ng/ul	998217	4	17.18	4192990	20.0
n-Hexadecanoic acid	18.08	4.3	ng/ul	890773	4	17.18	4192990	20.0
Anthracene, 1-met...	18.24	6.2	ng/ul	1288470	4	17.18	4192990	20.0
Phenanthrene, 2-m...	18.29	3.7	ng/ul	783832	4	17.18	4192990	20.0
9,10-Anthracenedione	18.60	3.1	ng/ul	652038	4	17.18	4192990	20.0
Phenanthrene, 3,6...	18.86	2.6	ng/ul	549754	4	17.18	4192990	20.0
Phenanthrene, 1,7...	18.89	2.3	ng/ul	473135	4	17.18	4192990	20.0
Phenanthrene, 2,5...	18.97	7.5	ng/ul	1573750	4	17.18	4192990	20.0
9,10-Dimethylanth...	19.03	3.7	ng/ul	770385	4	17.18	4192990	20.0
Phenanthrene, 4,5...	19.12	3.9	ng/ul	816834	4	17.18	4192990	20.0
Phenanthrene, 2,3...	19.68	3.1	ng/ul	1314620	5	21.36	8337650	20.0
11H-Benzo[b]fluorene	19.92	2.8	ng/ul	1184480	5	21.36	8337650	20.0
Pyrene, 1-methyl-	20.26	2.5	ng/ul	1044820	5	21.36	8337650	20.0
Heptadecyl triflu...	21.08	2.5	ng/ul	1061910	5	21.36	8337650	20.0
Chrysene, 1-methyl-	21.92	3.1	ng/ul	1277950	5	21.36	8337650	20.0
Triphenylene, 2-m...	21.97	2.1	ng/ul	861658	5	21.36	8337650	20.0
Benzo[e]pyrene	23.44	5.3	ng/ul	1429540	6	23.64	5377870	20.0
(DEL) Alkane: Str...	24.20	3.8	ng/ul	1033780	6	23.64	5377870	20.0