LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007046.D
Acq On : 12 Aug 2016 16:38
Operator : UM/SJ
Sample : H4387-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0206-01

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	755	rBV	754879	1244985	19.23%	1.173%
2	7.151	765	776	783	rBV	595804	929820	14.36%	0.876%
3	7.345	801	809	818	rBV	783808	1272561	19.65%	1.199%
4	7.816	881	889	896	rBV	1386487	2225334	34.37%	2.097%
5	8.510	999	1007	1016	rBV	915026	1483561	22.91%	1.398%
6	8.969	1078	1085	1092	rBV	725809	1218142	18.81%	1.148%
7	9.081	1099	1104	1110	rVB	102419	163726	2.53%	0.154%
8	9.686	1200	1207	1223	rVB	617496	1042860	16.11%	0.983%
9	10.216	1288	1297	1307	rVB	954190	1626834	25.12%	1.533%
10	10.604	1354	1363	1369	rBV	1744447	3065261	47.34%	2.888%
11	10.733	1376	1385	1393	rBV	562246	973820	15.04%	0.918%
12	12.480	1674	1682	1687	rBV	66589	108592	1.68%	0.102%
13	13.616	1866	1875	1882	rBV3	42876	112924	1.74%	0.106%
14	13.769	1892	1901	1905	rBV	106182	189676	2.93%	0.179%
15	13.857	1911	1916	1920	rVV	1588109	2315917	35.76%	2.182%
16	13.904	1920	1924	1933	rVB	1375566	1940467	29.97%	1.828%
17	14.139	1958	1964	1981	rVB2	1691991	3052187	47.14%	2.876%
18	14.445	2009	2016	2023	rVV2	2255923	3562064	55.01%	3.356%
19	14.510	2023	2027	2034	rVB2	60724	106380	1.64%	0.100%
20	14.633	2042	2048	2060	rBV	635882	1074614	16.60%	1.013%
21	14.845	2080	2084	2091	rVB3	102446	184197	2.84%	0.174%
22	14.921	2091	2097	2102	rVB2	90283	138713	2.14%	0.131%
23	15.063	2113	2121	2126	rBV5	86011	213846	3.30%	0.201%
24	15.239	2148	2151	2159	rVB4	53809	126237	1.95%	0.119%
25	15.310	2159	2163	2169	rVB2	140359	221362	3.42%	0.209%
26	15.439	2176	2185	2190	rBV	2393046	3391462	52.37%	3.196%
27	15.492	2190	2194	2200	rVV2	122389	220044	3.40%	0.207%
28	15.551	2200	2204	2211	rVB	452310	636946	9.84%	0.600%
29	15.710	2219	2231	2237	rBV7	65335	178161	2.75%	0.168%
30	15.939	2262	2270	2277	rVB7	61971	152360	2.35%	0.144%
31	16.168	2304	2309	2320	rBV2	228985	392619	6.06%	0.370%
32	16.498	2358	2365	2369	rBV5	87215	207051	3.20%	0.195%
33	16.545	2369	2373	2378	rVV2	81894	139236	2.15%	0.131%
34	16.845	2420	2424	2432	rVB3	94073	156143	2.41%	0.147%

LSC Area Percent Report

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Acq On : 12 Aug 2016 16:38
Operator : UM/SJ
Sample : H4387-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0206-01

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	16.957	2439	2443	2447	rVV2	111945	133118	2.06%	0.125%
36	17.010	2447	2452	2460	rVB	196314	321674	4.97%	0.303%
37	17.186	2473	2482	2486	rBV	2535228	3797905	58.65%	3.579%
38	17.233	2486	2490	2494	rVV	1409576	2008290	31.01%	1.892%
39	17.286	2494	2499	2503	rVV2	2527753	3651379	56.39%	3.440%
40	17.321	2503	2505	2509	rVB	354418	388405	6.00%	0.366%
41	17.374	2510	2514	2520	rBV2	105402	210242	3.25%	0.198%
42	17.498	2532	2535	2540	rVB3	85586	125024	1.93%	0.118%
43	17.574	2543	2548	2559	rBV2	828205	1205921	18.62%	1.136%
44	17.698	2566	2569	2575	rVB2	77836	136272	2.10%	0.128%
45	17.768	2577	2581	2590	rVB	268356	391406	6.04%	0.369%
46	17.909	2601	2605	2610	rVB	140381	239422	3.70%	0.226%
47	17.980	2613	2617	2621	rVB4	69514	109196	1.69%	0.103%
48	18.062	2626	2631	2633	rVV	704479	1052400	16.25%	0.992%
49	18.086	2633	2635	2637	rVV	869323	1088832	16.81%	1.026%
50	18.109	2637	2639	2645	rVV	940081	1176768	18.17%	1.109%
51	18.192	2649	2653	2657	rVV2	178948	289458	4.47%	0.273%
52	18.251	2658	2663	2667	rVV3	787374	1423454	21.98%	1.341%
53	18.292	2667	2670	2677	rVB	535874	784106	12.11%	0.739%
54	18.386	2682	2686	2689	rBV3	127091	203449	3.14%	0.192%
55	18.462	2695	2699	2703	rVB2	157112	219404	3.39%	0.207%
56	18.562	2712	2716	2720	rBV2	285479	408200	6.30%	0.385%
57	18.604	2720	2723	2729	rVB2	224292	395334	6.11%	0.372%
58	18.786	2750	2754	2755	rBV2	135545	175413	2.71%	0.165%
59	18.809	2755	2758	2762	rVV	270217	364739	5.63%	0.344%
60	18.862	2763	2767	2770	rVV	434633	548296	8.47%	0.517%
61	18.898	2770	2773	2777	rVB2	333402	436104	6.73%	0.411%
62	18.945	2777	2781	2784	rBV	1355393	1700756	26.26%	1.603%
63	18.986	2784	2788	2792	rVV	909265	1410307	21.78%	1.329%
64	19.039	2792	2797	2801	rVV4	404161	814328	12.58%	0.767%
65	19.074	2801	2803	2807	rVB	315107	329540	5.09%	0.311%
66	19.121	2807	2811	2817	rBV3	400272	770122	11.89%	0.726%
67	19.245	2827	2832	2839	rVB	2192895	2863115	44.22%	2.698%
68	19.309	2839	2843	2846	rBV	233055	316352	4.89%	0.298%
69	19.368	2846	2853	2855	rBV3	415701	667145	10.30%	0.629%
70	19.439	2863	2865	2869	rVB	127233	138585	2.14%	0.131%
71	19.486	2870	2873	2877	rVV2	184619	252412	3.90%	0.238%

LSC Area Percent Report

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Acq On : 12 Aug 2016 16:38
Operator : UM/SJ
Sample : H4387-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0206-01

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	19.521	2877	2879	2883	rVB4	174846	203803	3.15%	0.192%
73	19.580	2883	2889	2892	rBV	3251715	5071390	78.32%	4.778%
74	19.609	2892	2894	2902	rVV	2672608	3470592	53.60%	3.270%
75	19.686	2903	2907	2912	rVB2	466633	717889	11.09%	0.676%
76	19.845	2931	2934	2940	rVB4	251080	416608	6.43%	0.393%
77	19.933	2944	2949	2960	rBV5	435561	1133612	17.51%	1.068%
78	20.021	2961	2964	2967	rVV3	138891	191963	2.96%	0.181%
79	20.068	2968	2972	2974	rVV3	347622	556870	8.60%	0.525%
80	20.103	2975	2978	2982	rVB	591465	772963	11.94%	0.728%
81	20.174	2987	2990	2992	rBV3	113791	154132	2.38%	0.145%
82	20.203	2992	2995	2999	rVB	287151	328622	5.07%	0.310%
83	20.262	3001	3005	3009	rVB	678782	856805	13.23%	0.807%
84	20.403	3025	3029	3032	rBV2	599712	731263	11.29%	0.689%
85	20.450	3033	3037	3041	rVB	489055	685579	10.59%	0.646%
86	20.850	3102	3105	3112	rVB	430293	642721	9.93%	0.606%
87	20.997	3126	3130	3131	rBV	283284	367948	5.68%	0.347%
88	21.056	3138	3140	3142	rBV	169325	136753	2.11%	0.129%
89	21.086	3142	3145	3151	rBV4	752012	1047047	16.17%	0.987%
90	21.292	3178	3180	3184	rVB	173969	176644	2.73%	0.166%
91	21.368	3187	3193	3197	rVV2	3647365	6475378	100.00%	6.101%
92	21.409	3197	3200	3206	rVB	1349266	1799224	27.79%	1.695%
93	21.927	3282	3288	3293	rBV	558368	979227	15.12%	0.923%
94	21.986	3294	3298	3302	rVB3	518521	751480	11.61%	0.708%
95	22.127	3319	3322	3325	rBV	325200	425395	6.57%	0.401%
96	22.968	3459	3465	3469	rBV2	1088050	2346678	36.24%	2.211%
97	23.450	3543	3547	3551	rBV	615428	1075894	16.62%	1.014%
98	23.503	3551	3556	3561	rVV2	2113983	4042517	62.43%	3.809%
99	23.550	3561	3564	3571	rVB	1198788	1972242	30.46%	1.858%
100	23.650	3575	3581	3587	rBV	2097878	3984716	61.54%	3.755%

Sum of corrected areas: 106130930

LSC Report - Integrated Chromatogram

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Data File : BM007046.D
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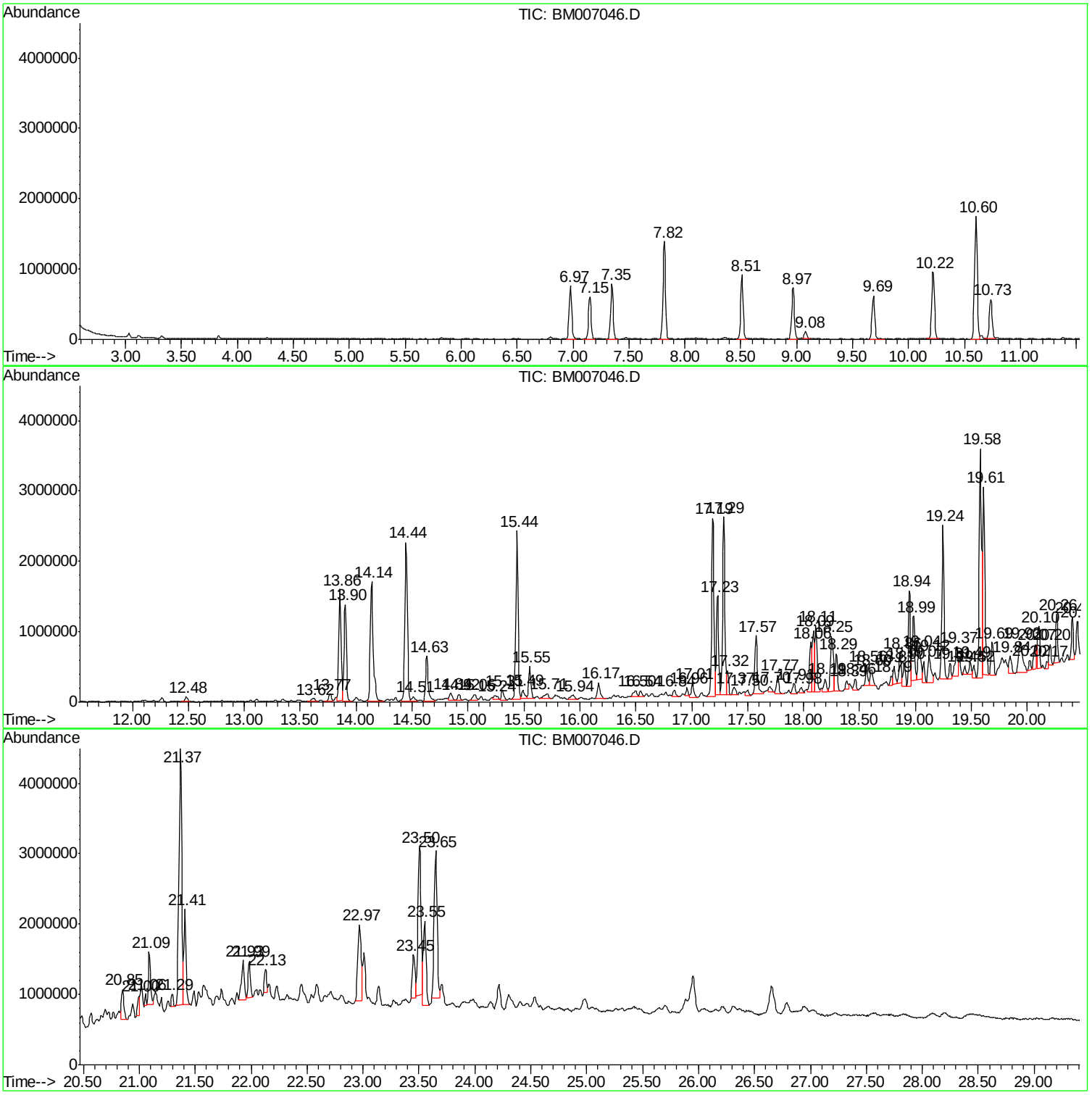
Operator : UM/SJ
Sample : H4387-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0206-01

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007046.D
Acq On : 12 Aug 2016 16:38
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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION

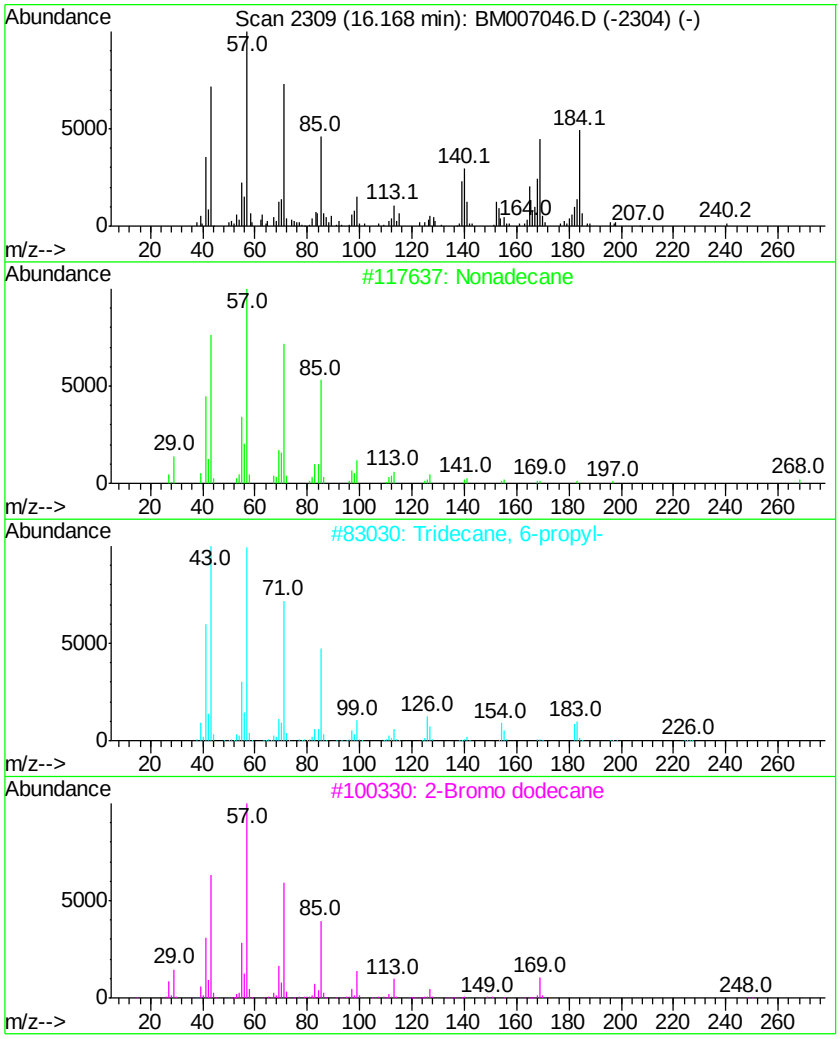
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

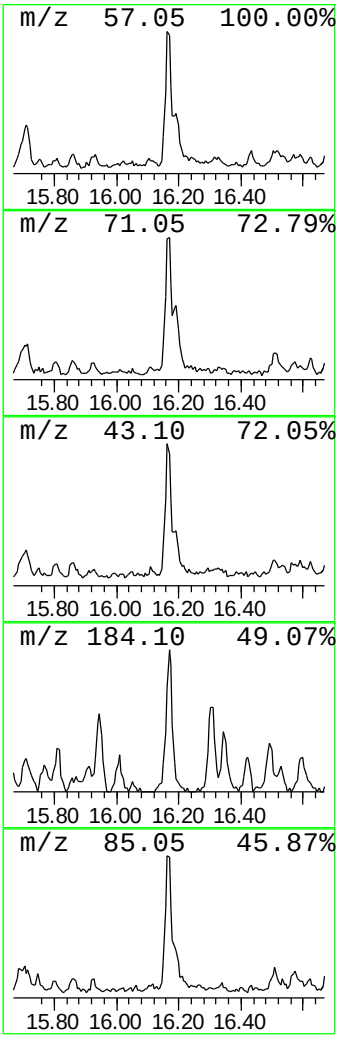
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.17	2.07 ng/ul	392619	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	35
2	Tridecane, 6-propyl-	226	C16H34	055045-10-8	30
3	2-Bromo dodecane	248	C12H25Br	013187-99-0	25
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	25
5	Tridecane, 7-hexyl-	268	C19H40	007225-66-3	25





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007046.D
Acq On : 12 Aug 2016 16:38
Operator : UM/SJ
Sample : H4387-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0206-01

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

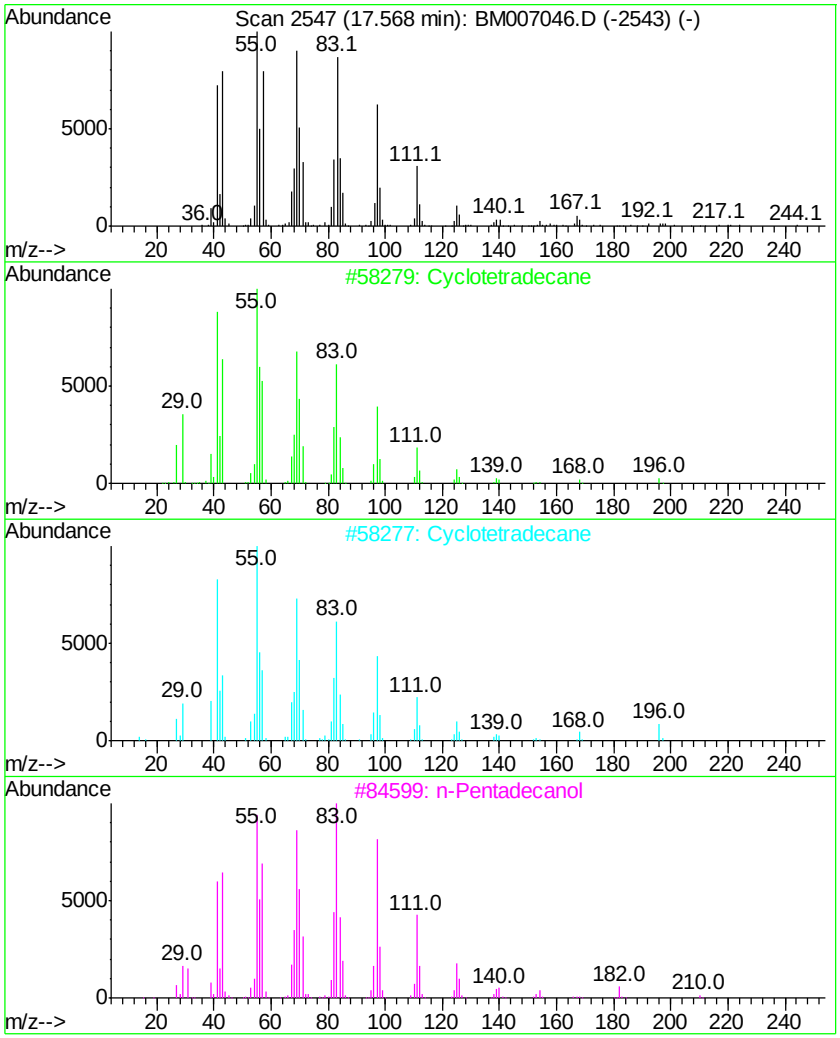
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

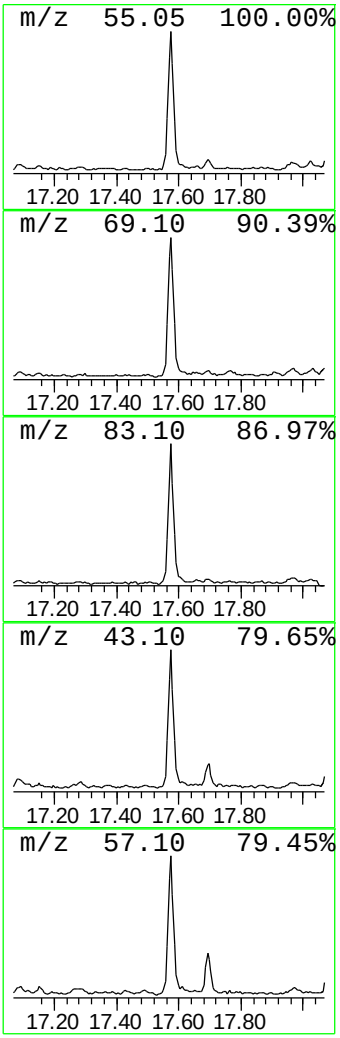
****

Peak Number 2 (DEL) Alkane: Cyclic17.57 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.57	6.35 ng/ul	1205920	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetradecane	196	C14H28	000295-17-0	98
2	Cyclotetradecane	196	C14H28	000295-17-0	95
3	n-Pentadecanol	228	C15H32O	000629-76-5	94
4	1-Hexadecanol	242	C16H34O	036653-82-4	94
5	1-Hexadecanol	242	C16H34O	036653-82-4	94





Library Search Compound Report

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Instrument : BNA_M
ClientSampleId : P003-SS002-0206-01

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

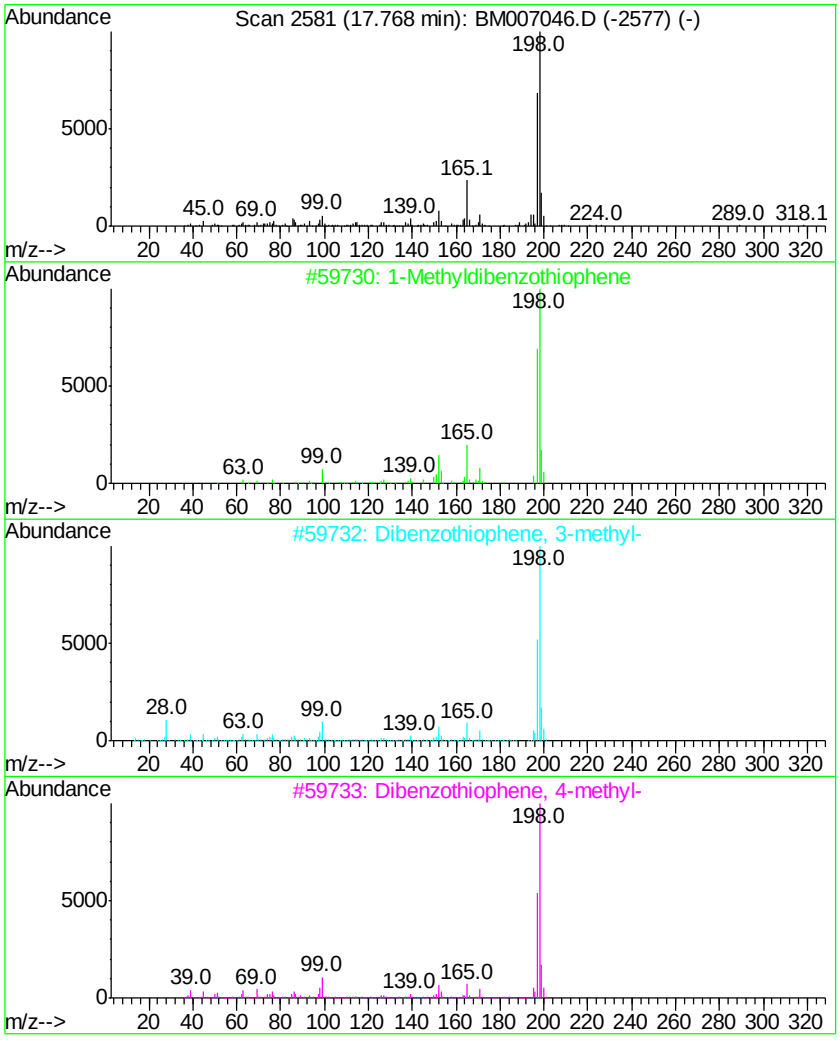
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

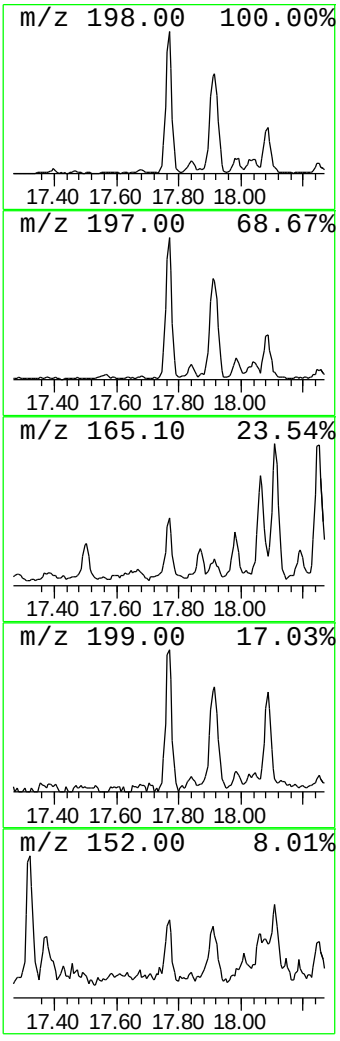
****

Peak Number 3 1-Methyldibenzothiophene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.77	2.06 ng/ul	391406	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	91
2	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	87
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	83
4	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	72
5	Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081216\
Data File : BM007046.D
Acq On : 12 Aug 2016 16:38
Operator : UM/SJ
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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0206-01

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

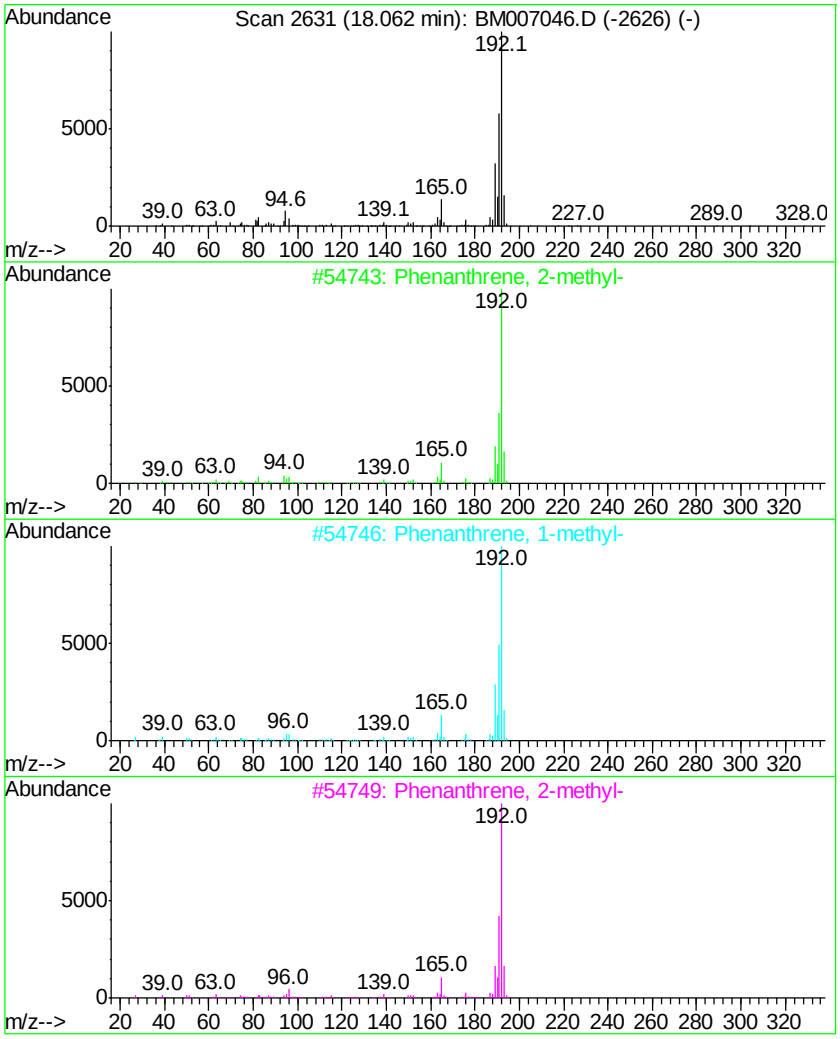
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

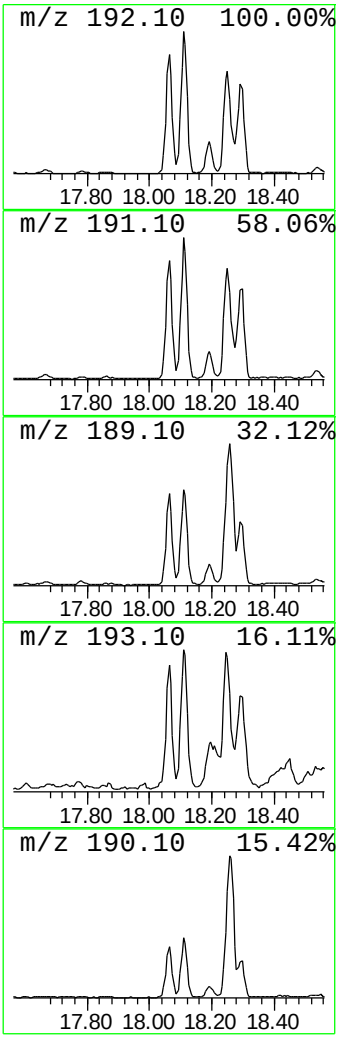
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	5.54 ng/ul	1052400	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





Library Search Compound Report

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Data File : BM007046.D
Acq On : 12 Aug 2016 16:38
Operator : UM/SJ
Sample : H4387-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0206-01

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

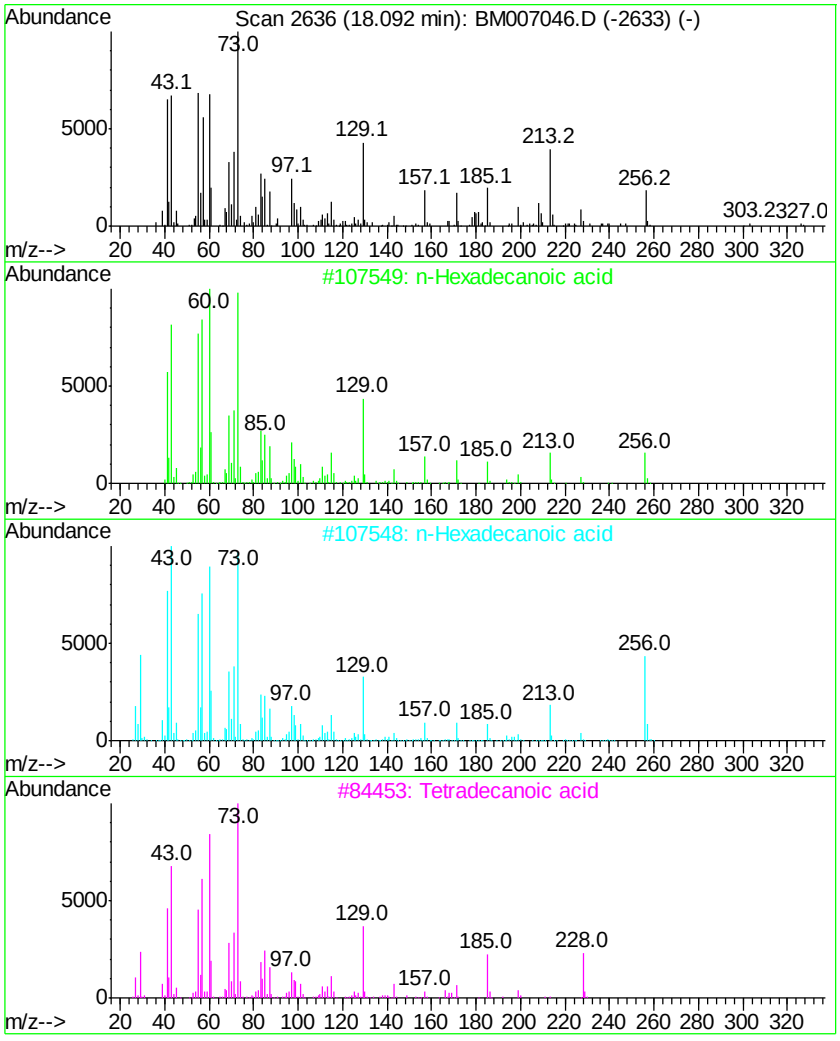
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

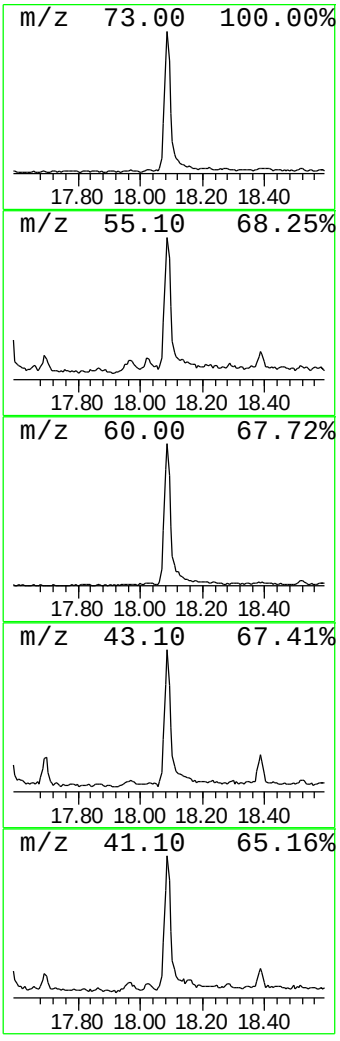
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	5.73 ng/ul	1088830	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	90
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	76





Library Search Compound Report

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Data File : BM007046.D
Acq On : 12 Aug 2016 16:38
Operator : UM/SJ
Sample : H4387-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0206-01

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Quant Title : SVOA CALIBRATION

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

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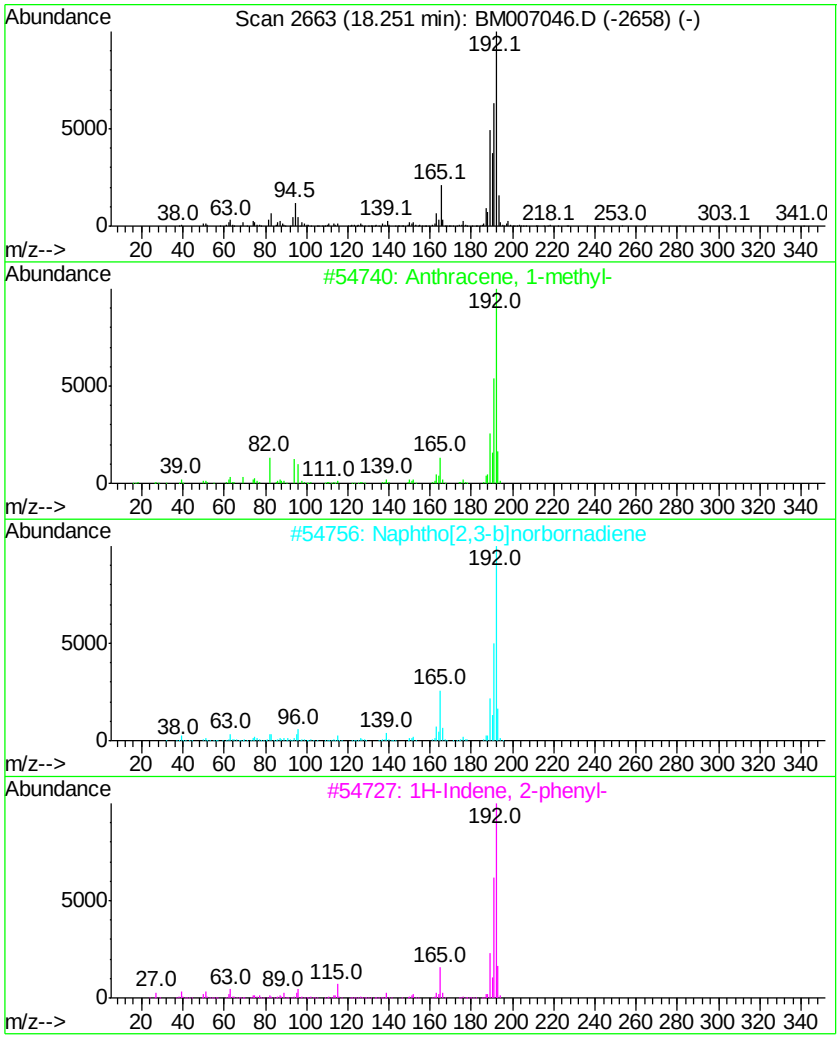
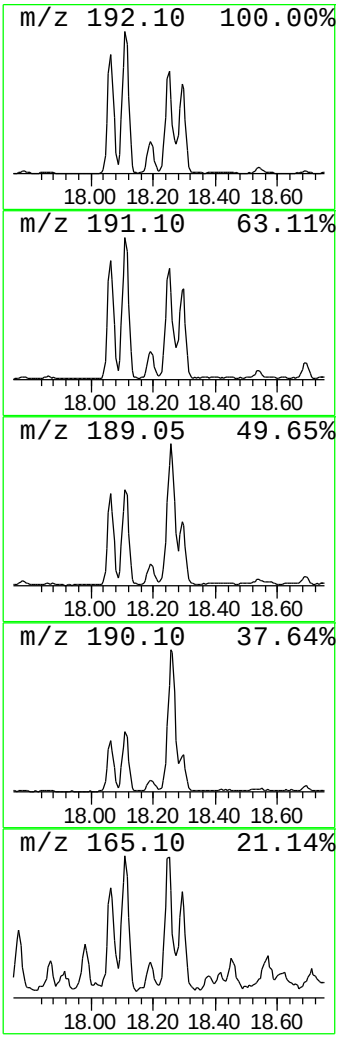
Peak Number 7 Anthracene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.25	7.50 ng/ul	1423450	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	83
2	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	70
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	70
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	70
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	70





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Sample : H4387-04
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Instrument : BNA_M
ClientSampleId : P003-SS002-0206-01

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Quant Title : SVOA CALIBRATION

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

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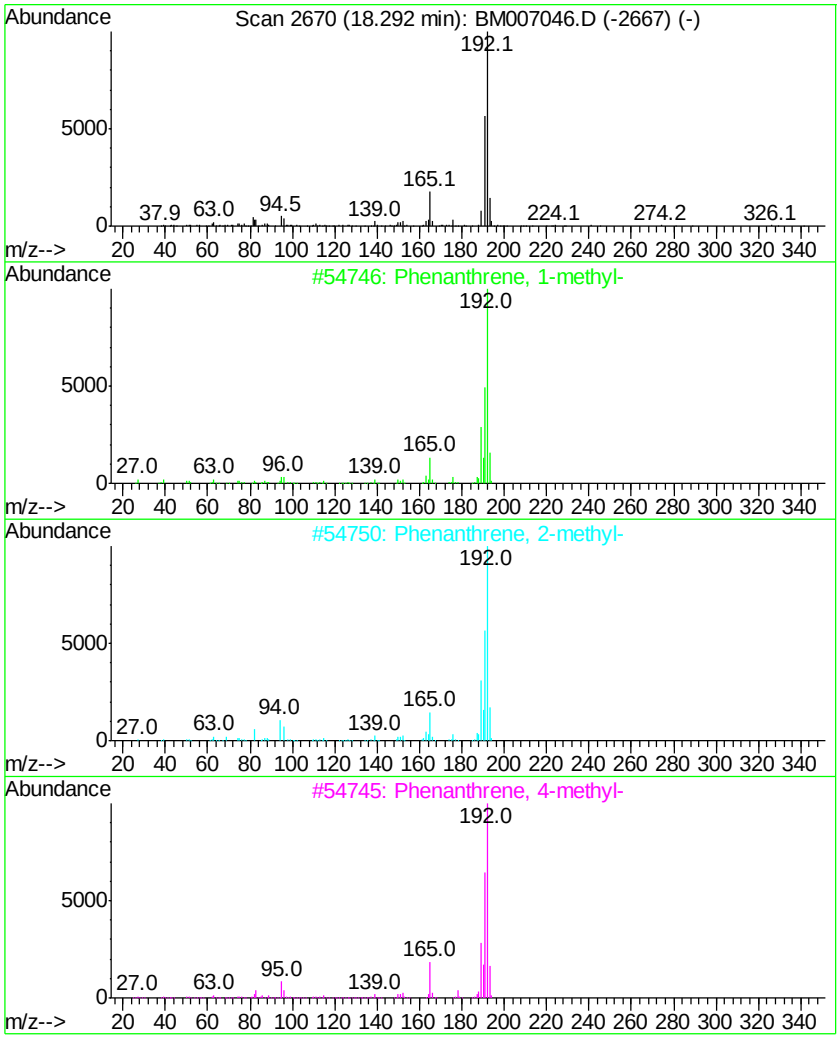
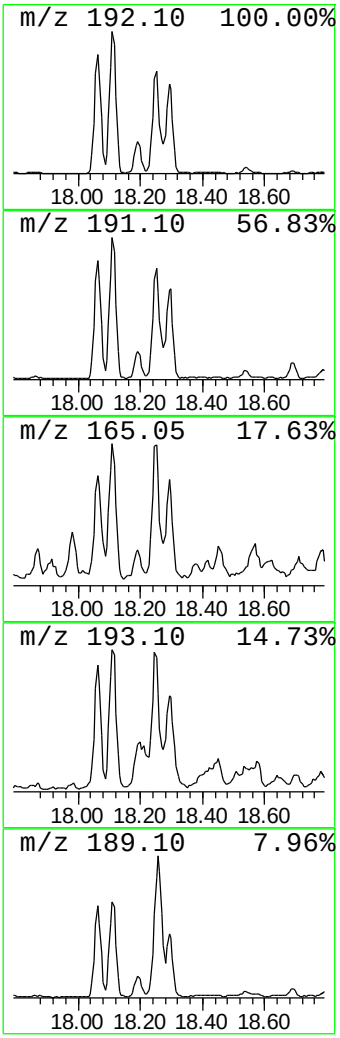
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	4.13 ng/ul	784106	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90





Library Search Compound Report

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Sample : H4387-04
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Instrument : BNA_M
ClientSampleId : P003-SS002-0206-01

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Quant Title : SVOA CALIBRATION

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

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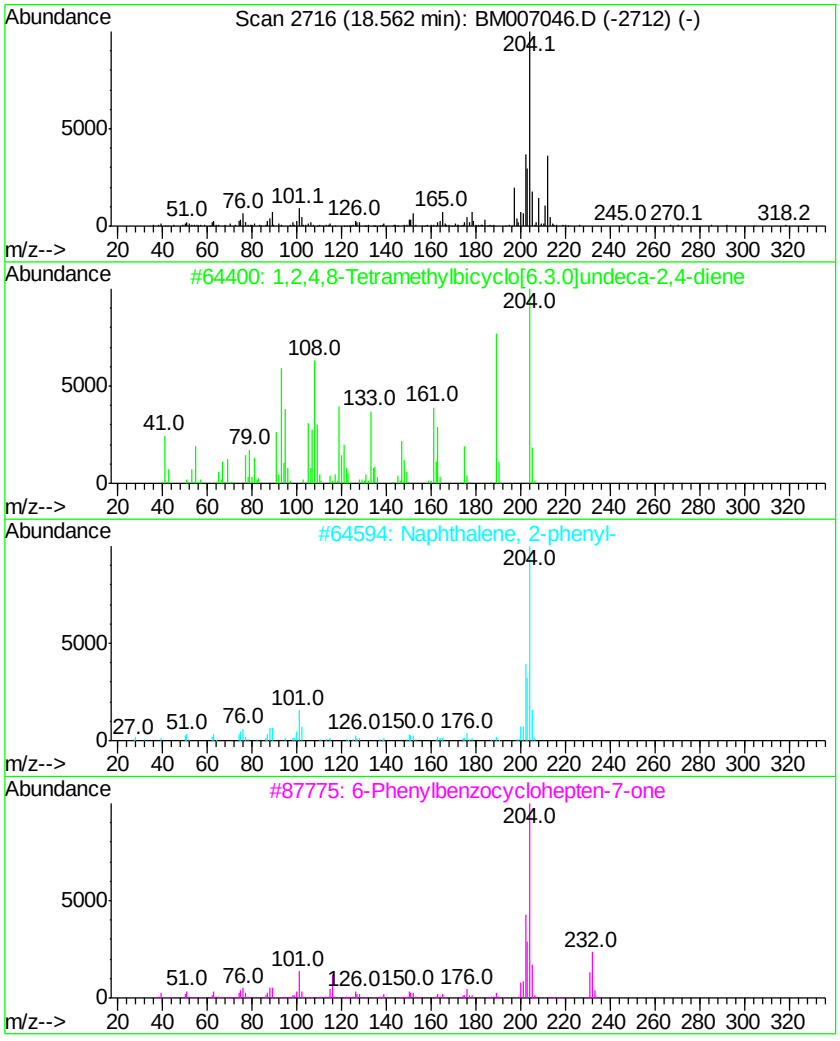
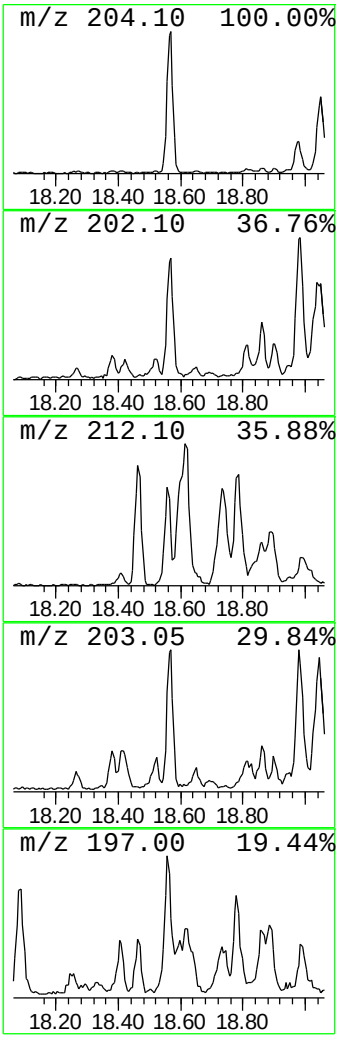
Peak Number 9 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	2.15 ng/ul	408200	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	80
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	55
3	6-Phenylbenzocycloheptен-7-one	232	C17H12O	093327-56-1	50
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	49
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46





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Sample : H4387-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0206-01

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Quant Title : SVOA CALIBRATION

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

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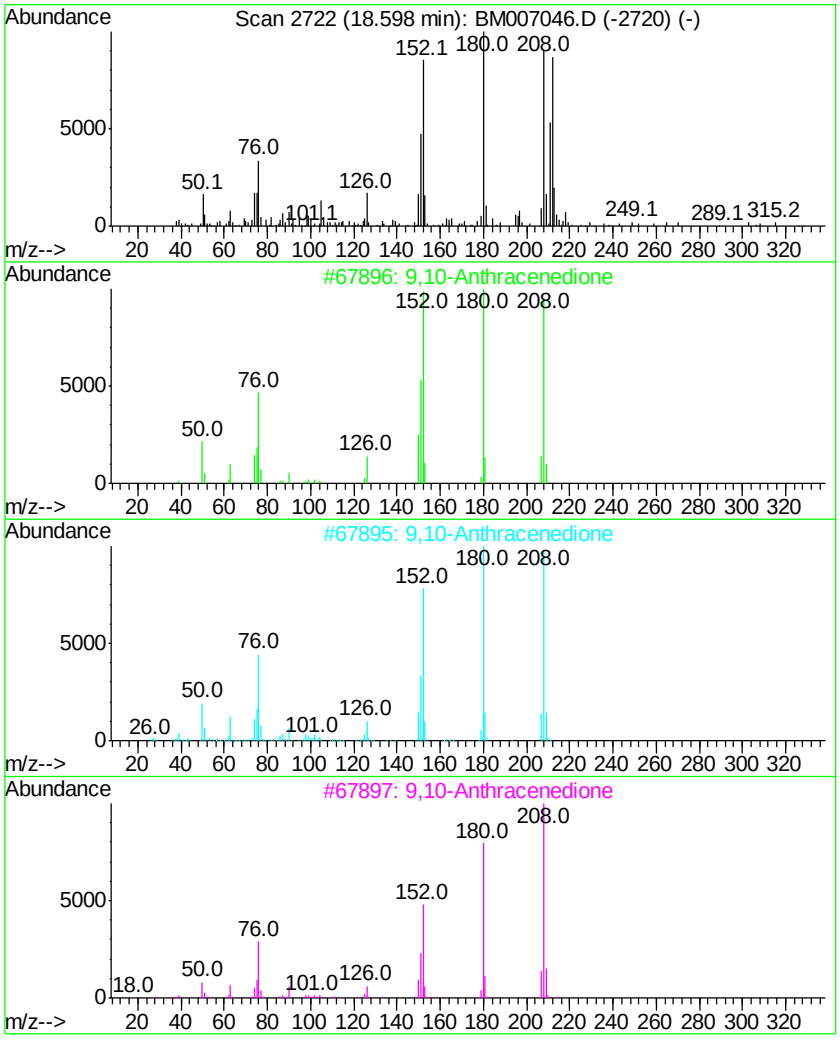
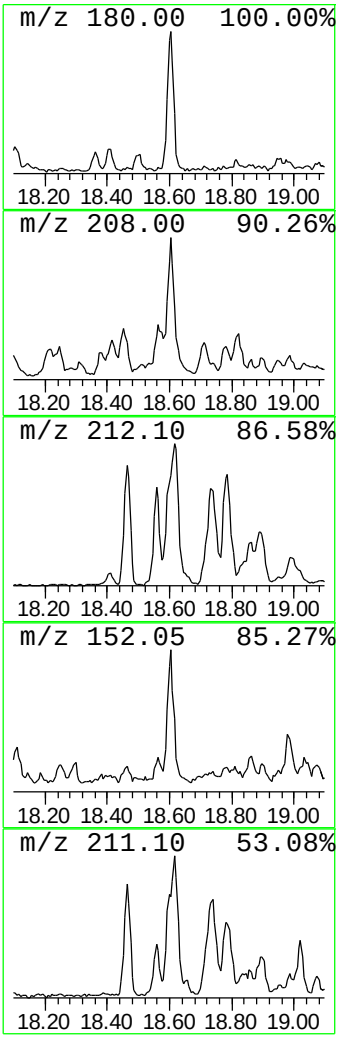
Peak Number 10 9,10-Anthracenedione Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.60	2.08 ng/ul	395334	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	64
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0206-01

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Quant Title : SVOA CALIBRATION

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

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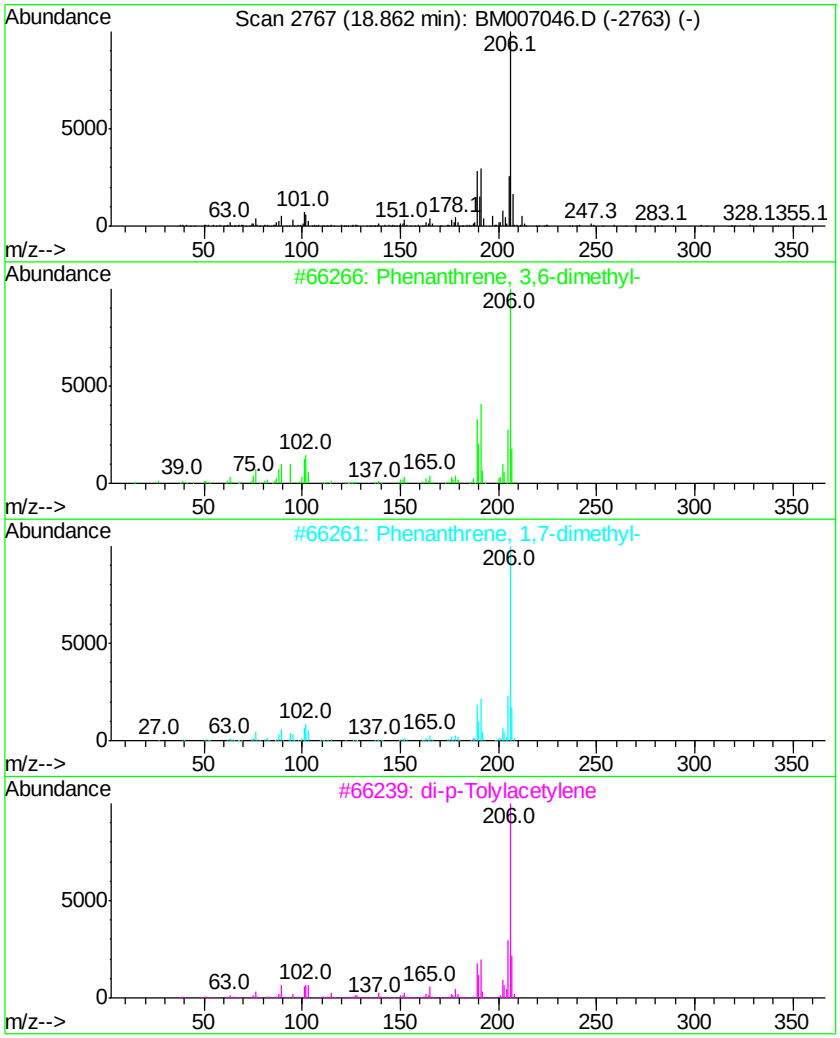
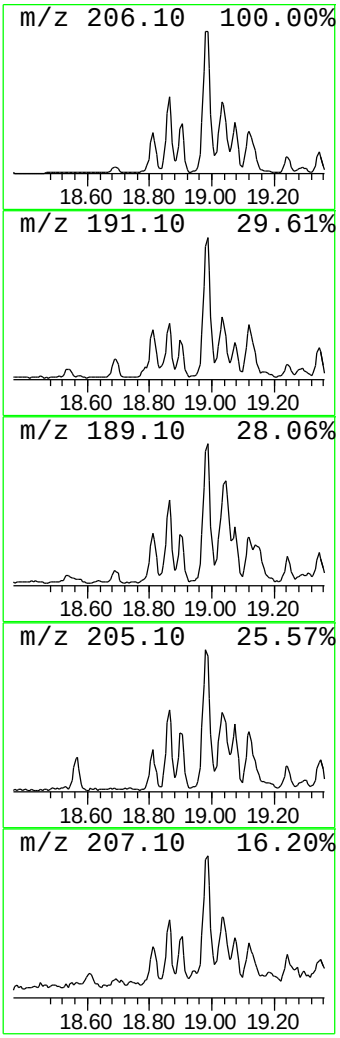
Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	2.89 ng/ul	548296	Phenanthrene-d10	17.19

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	90
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





Library Search Compound Report

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Sample : H4387-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0206-01

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Quant Title : SVOA CALIBRATION

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

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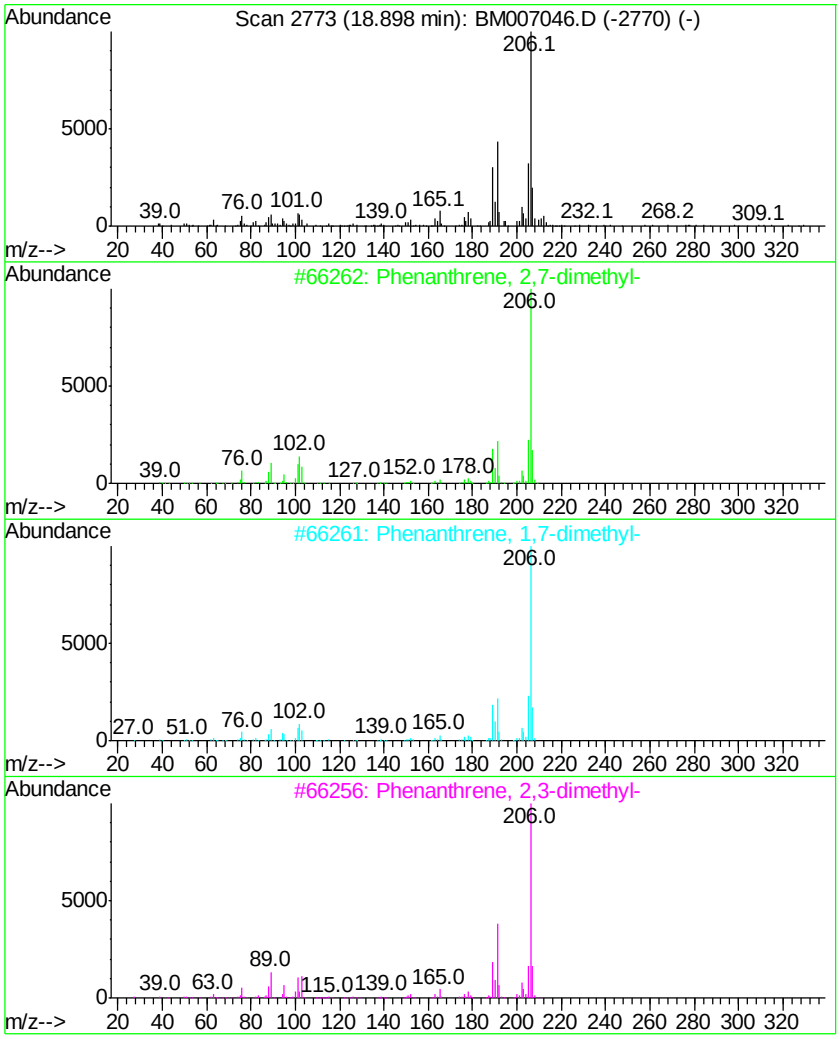
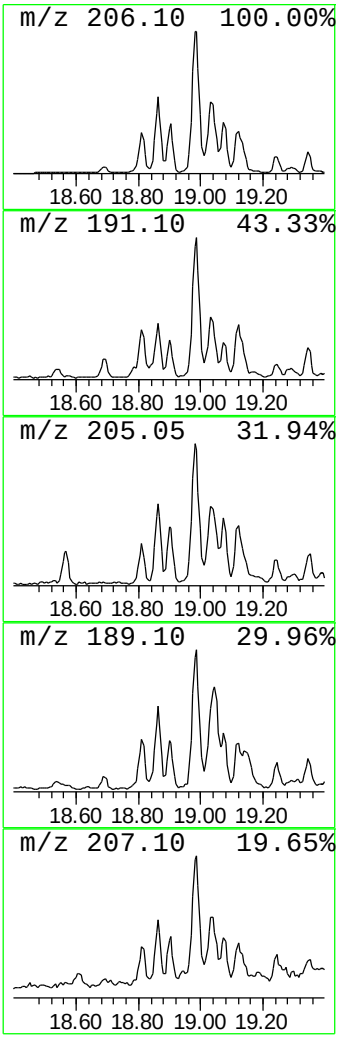
Peak Number 12 Phenanthrene, 2,7-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	2.30 ng/ul	436104	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	87
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	86





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Sample : H4387-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0206-01

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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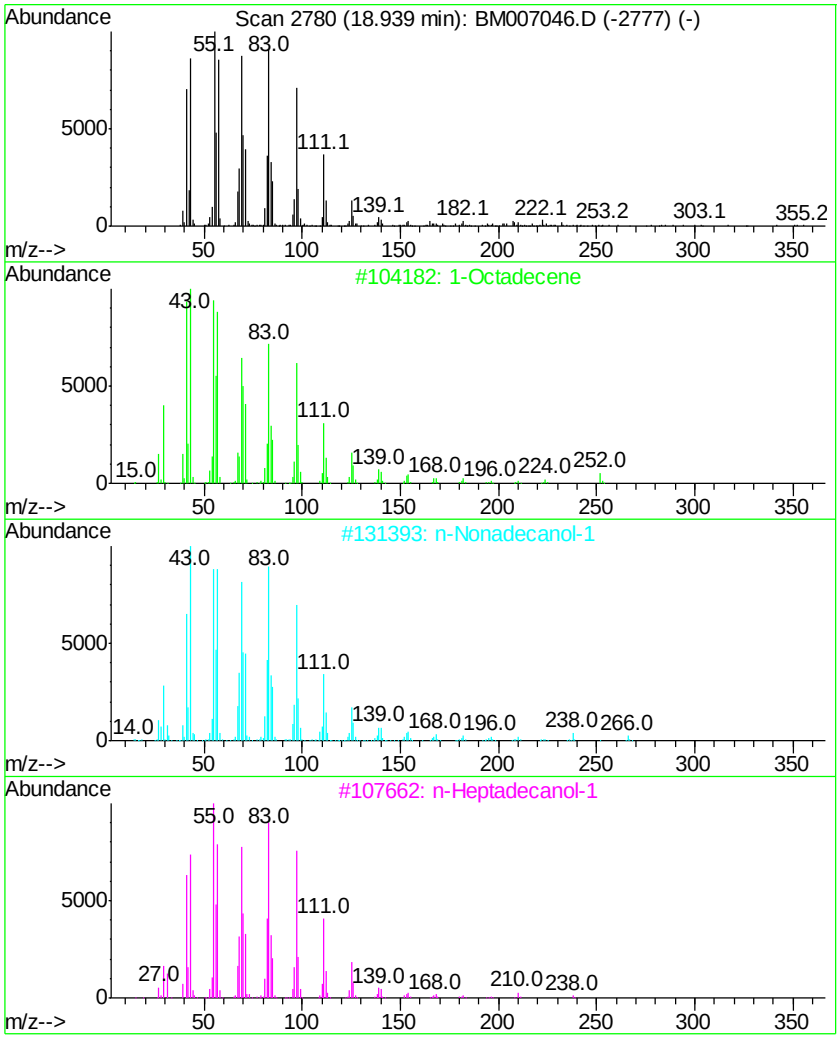
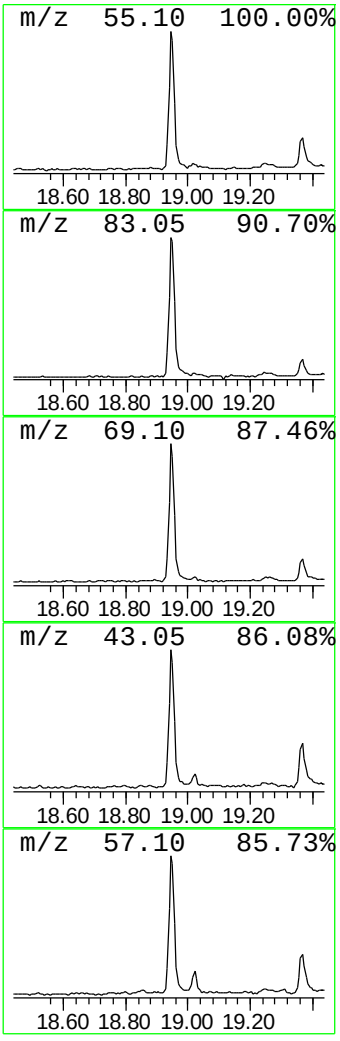
Peak Number 13 (DEL) Alkane: Cyclic18.94 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.94	8.96 ng/ul	1700760	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octadecene	252	C18H36	000112-88-9	97
2	n-Nonadecanol-1	284	C19H40O	001454-84-8	95
3	n-Heptadecanol-1	256	C17H36O	001454-85-9	94
4	n-Nonadecanol-1	284	C19H40O	001454-84-8	94
5	1-Hexadecanol	242	C16H34O	036653-82-4	93





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Misc :
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Instrument : BNA_M
ClientSampleId : P003-SS002-0206-01

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Quant Title : SVOA CALIBRATION

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

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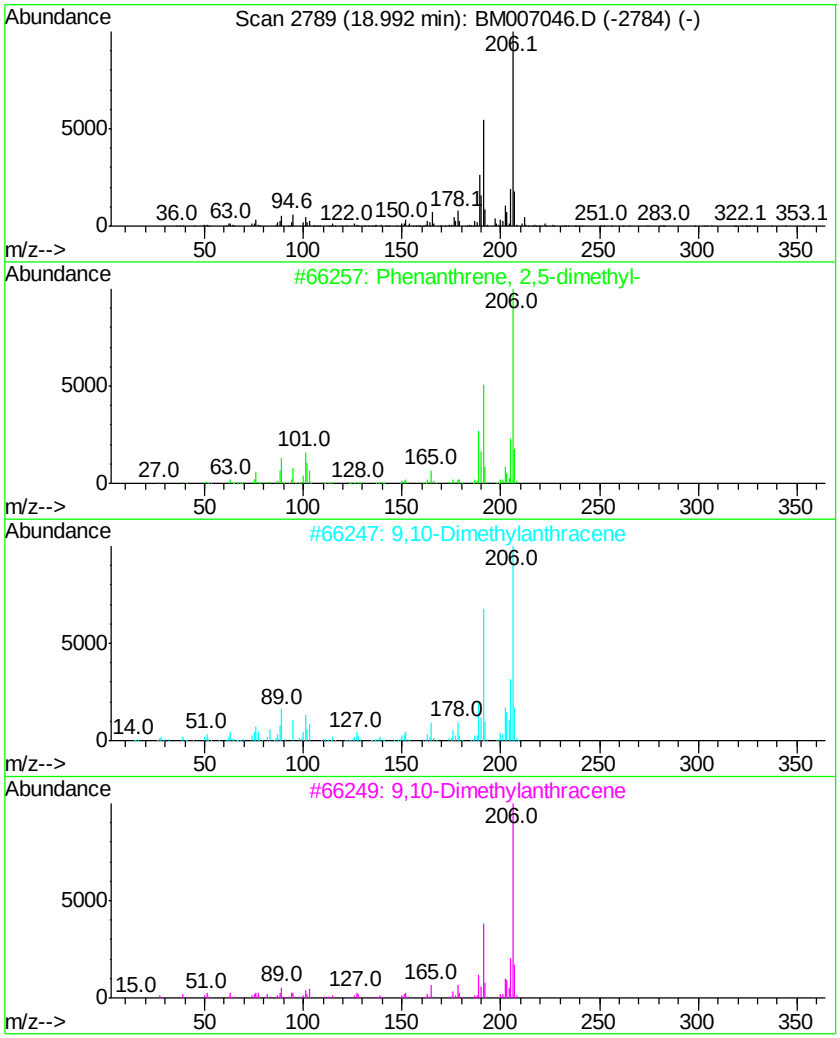
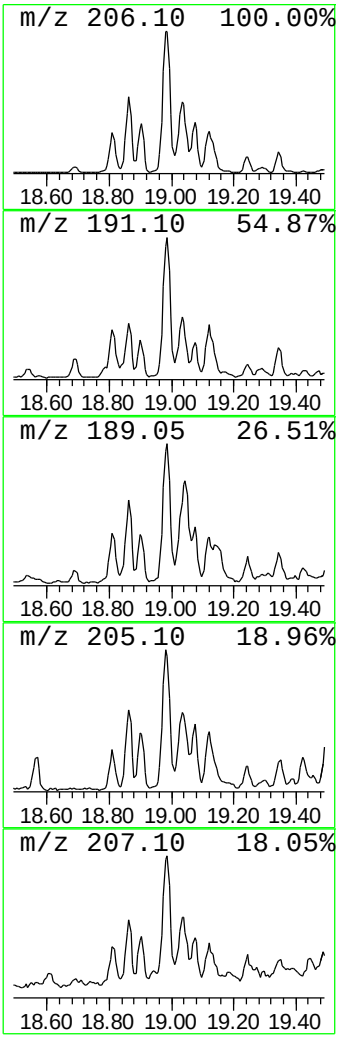
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	7.43 ng/ul	1410310	Phenanthrene-d10	17.19

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, 3,6-dimethyl-	206	C16H14	001576-67-6	90





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ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0206-01

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Quant Title : SVOA CALIBRATION

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

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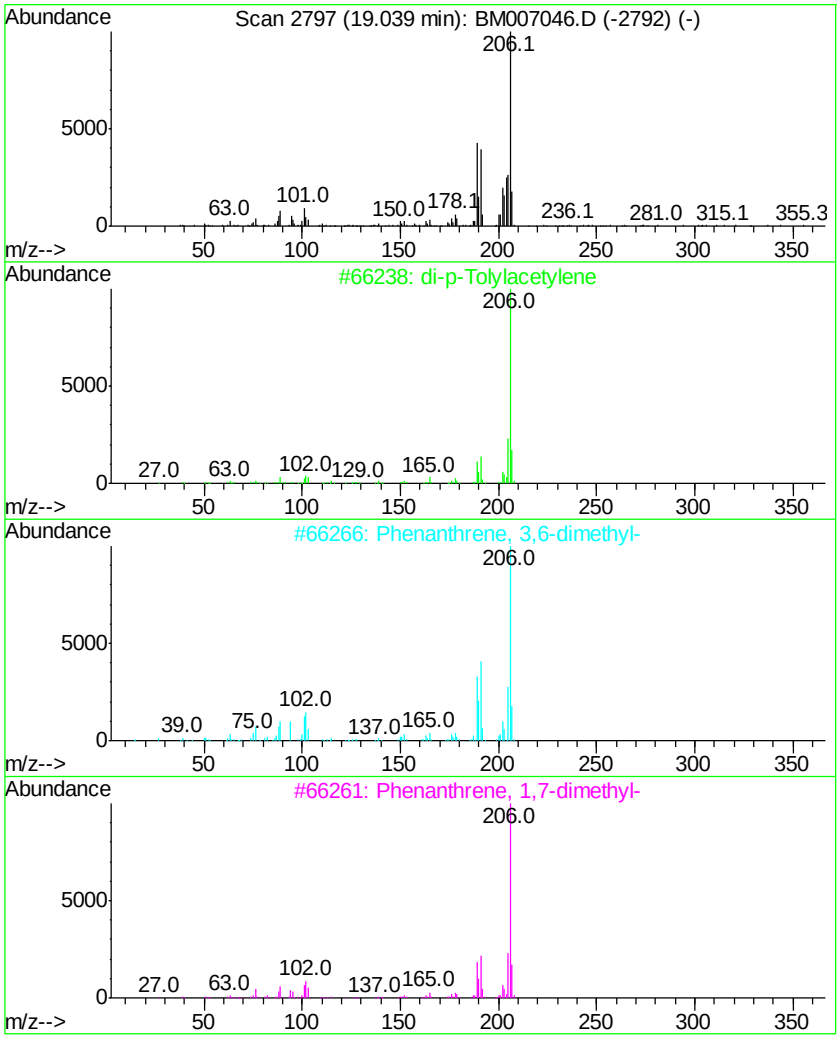
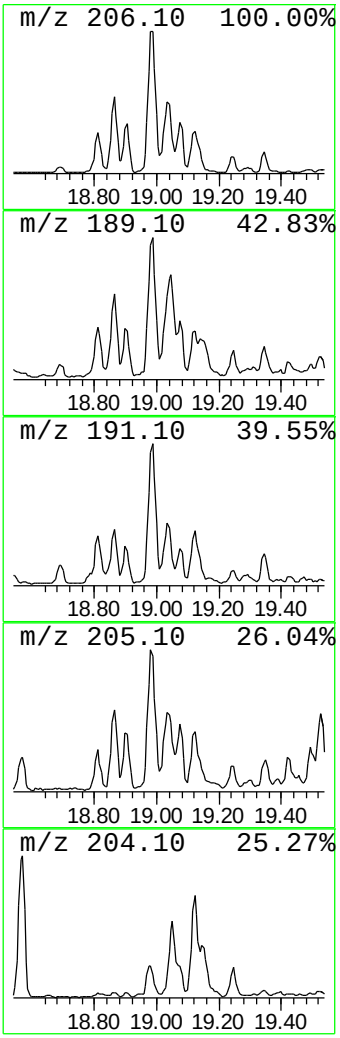
Peak Number 15 di-p-Tolylacetylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.04	4.29 ng/ul	814328	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	76
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	74
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	74





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Quant Title : SVOA CALIBRATION

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

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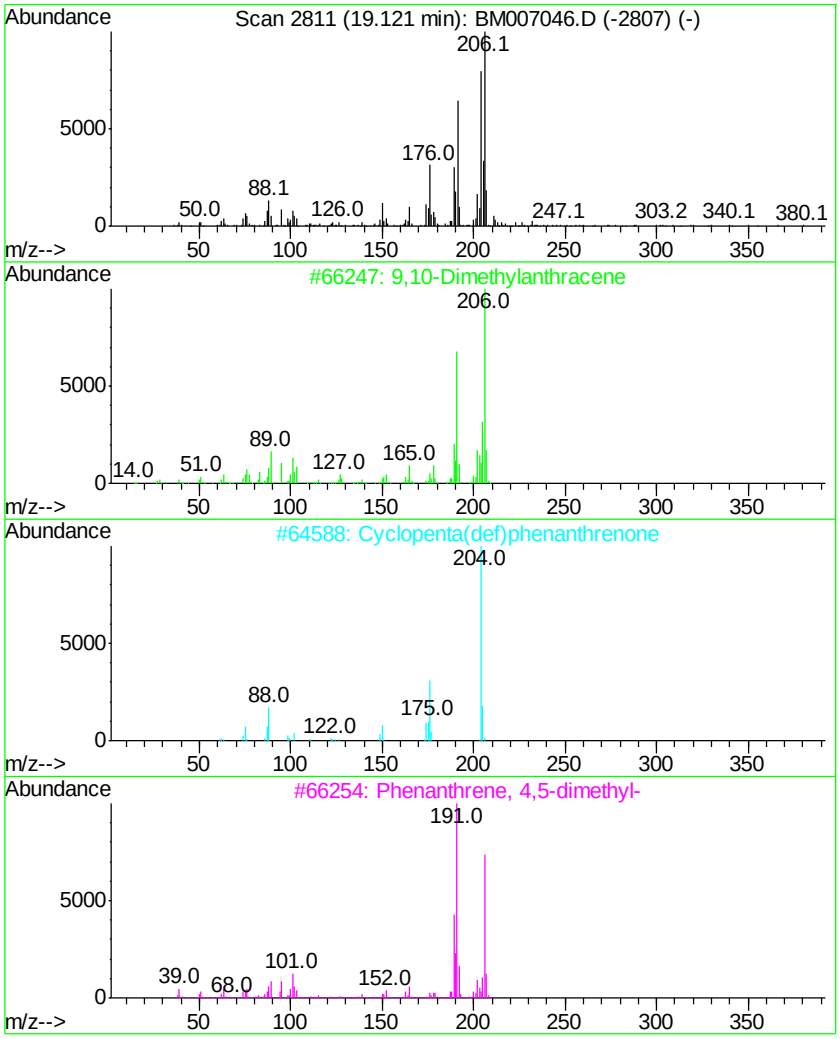
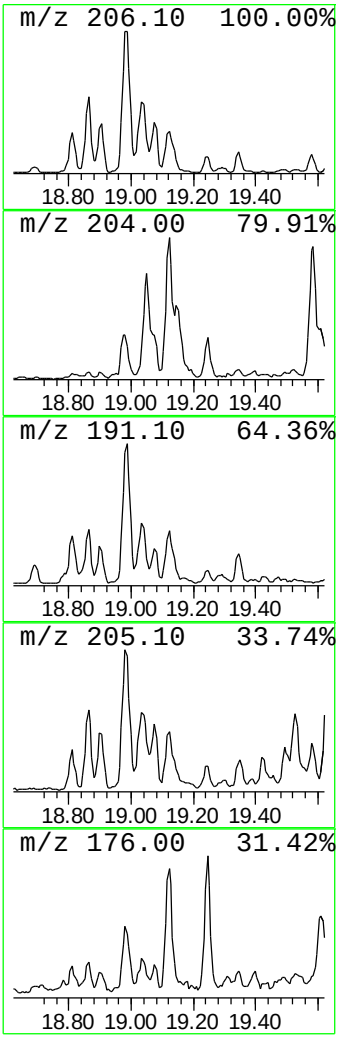
Peak Number 16 9,10-Dimethylanthracene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.12	4.06 ng/ul	770122	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
2	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	78
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	78
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	70
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	60





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Instrument : BNA_M
ClientSampleId : P003-SS002-0206-01

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Quant Title : SVOA CALIBRATION

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

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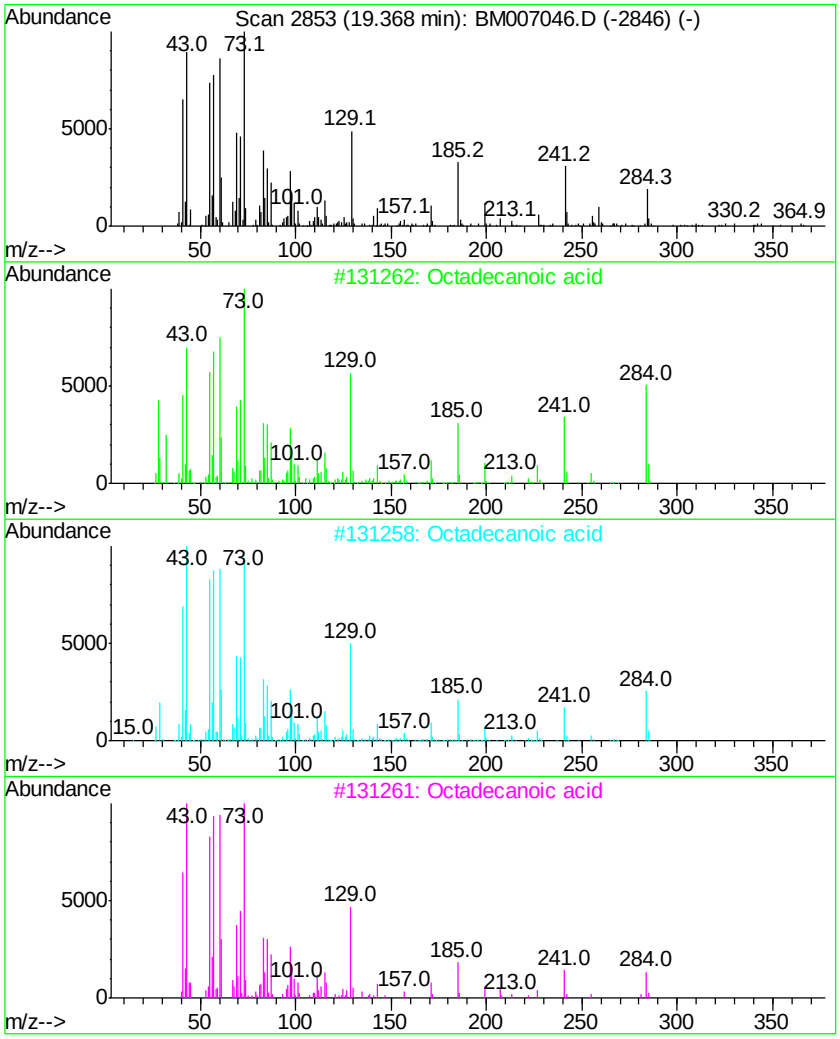
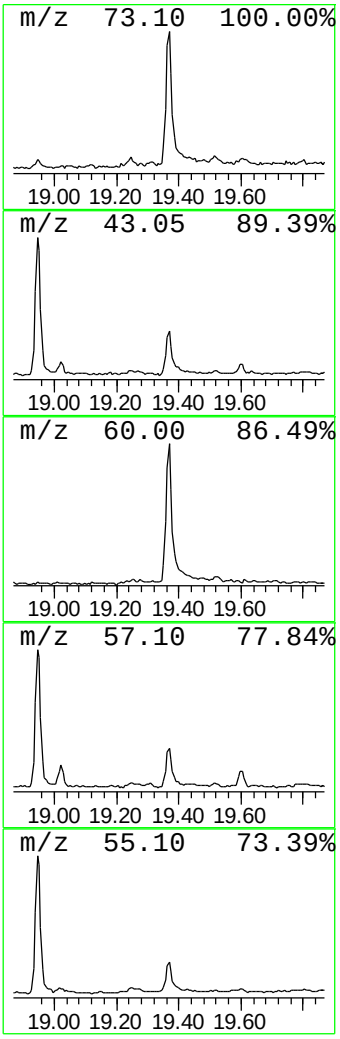
Peak Number 17 Octadecanoic acid Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.37	2.06 ng/ul	667145	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Octadecanoic acid	284	C18H36O2	000057-11-4	99
3	Octadecanoic acid	284	C18H36O2	000057-11-4	98
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	89
5	Octadecanoic acid	284	C18H36O2	000057-11-4	81





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Data File : BM007046.D
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Sample : H4387-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0206-01

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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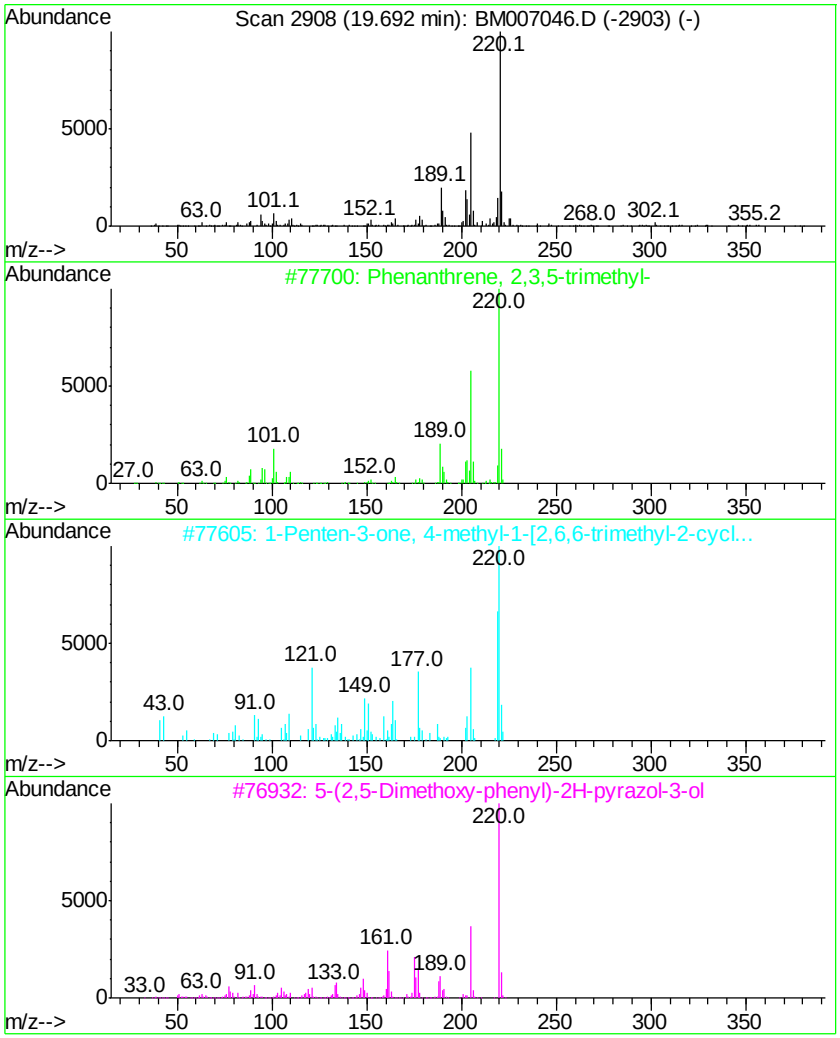
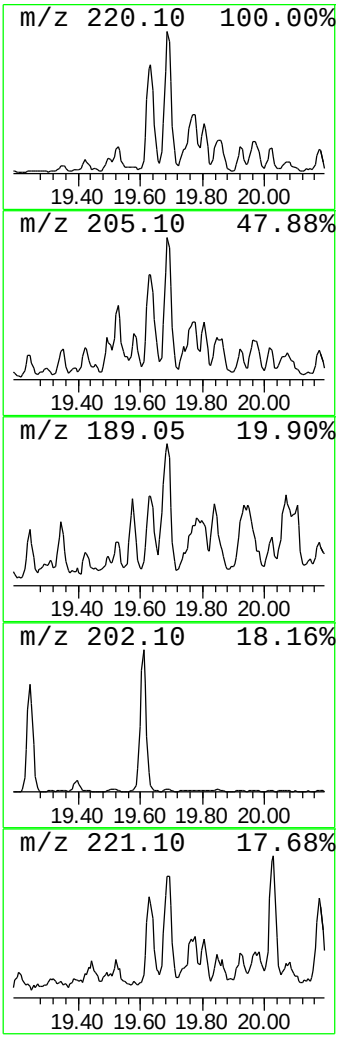
Peak Number 18 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.69	2.22 ng/ul	717889	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	83
2	1-Penten-3-one, 4-methyl-1-[2,6,...	220	C15H24O	1000132-20-9	59
3	5-(2,5-Dimethoxy-phenyl)-2H-pyra...	220	C11H12N2O3	1000278-26-9	58
4	7-Nitro-6-methoxy-2,3-dimethylin...	220	C11H12N2O3	068289-71-4	58
5	Phenmethylcynide, .alpha.,.alpha...	220	C11H12N2O3	1000128-94-6	53





Library Search Compound Report

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Data File : BM007046.D
Acq On : 12 Aug 2016 16:38
Operator : UM/SJ
Sample : H4387-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0206-01

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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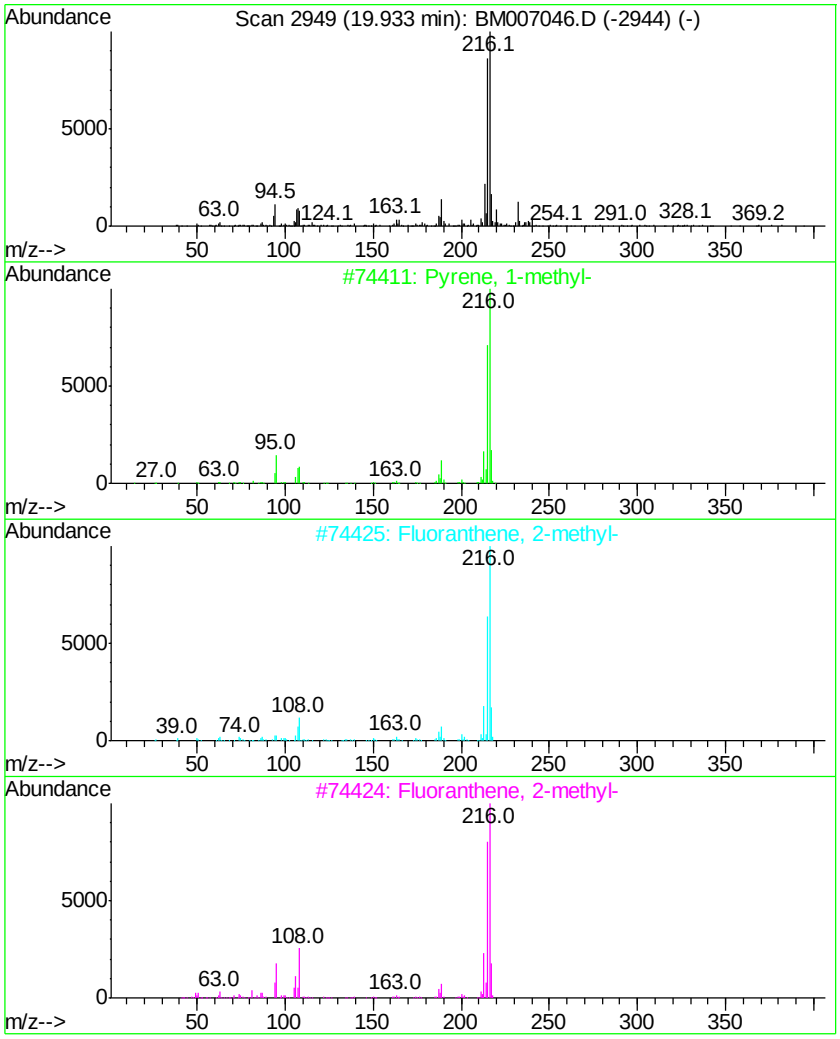
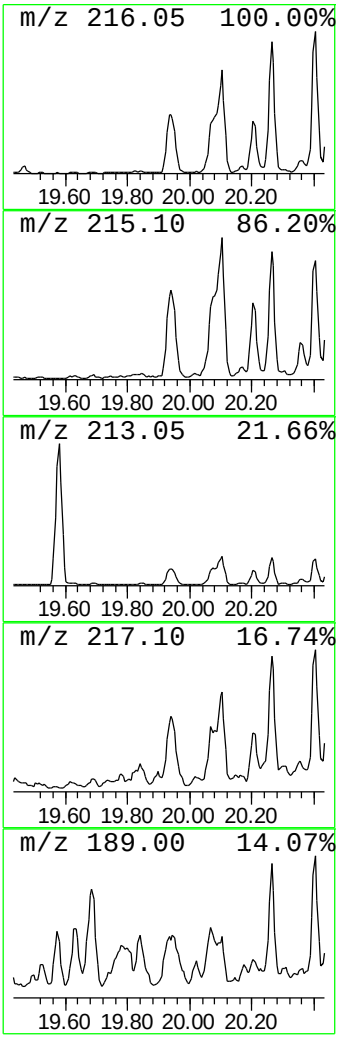
Peak Number 19 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.93	3.50 ng/ul	1133610	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92





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Sample : H4387-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0206-01

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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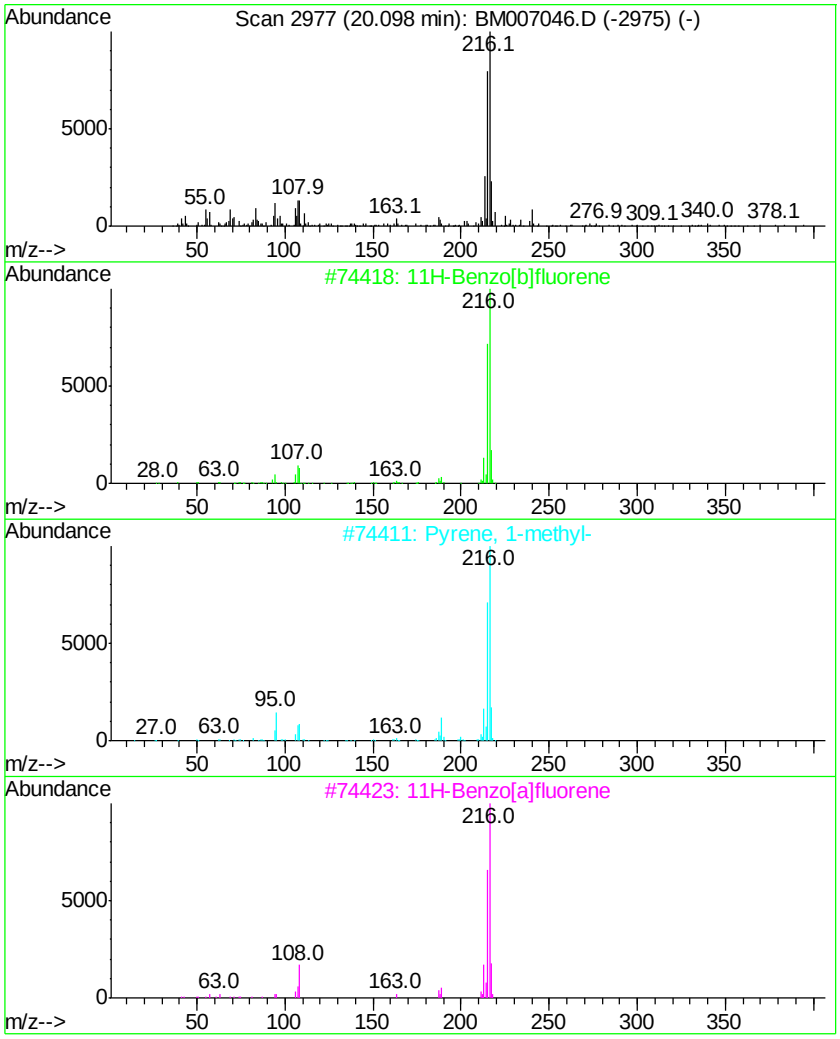
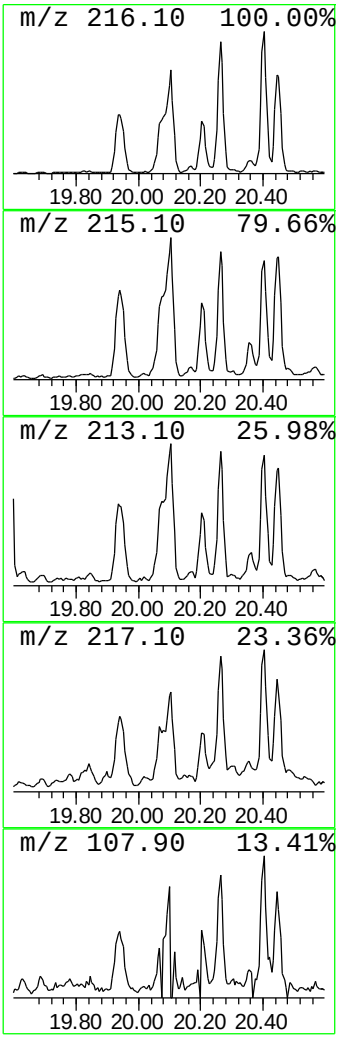
Peak Number 20 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.10	2.39 ng/ul	772963	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	74





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Acq On : 12 Aug 2016 16:38
Operator : UM/SJ
Sample : H4387-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0206-01

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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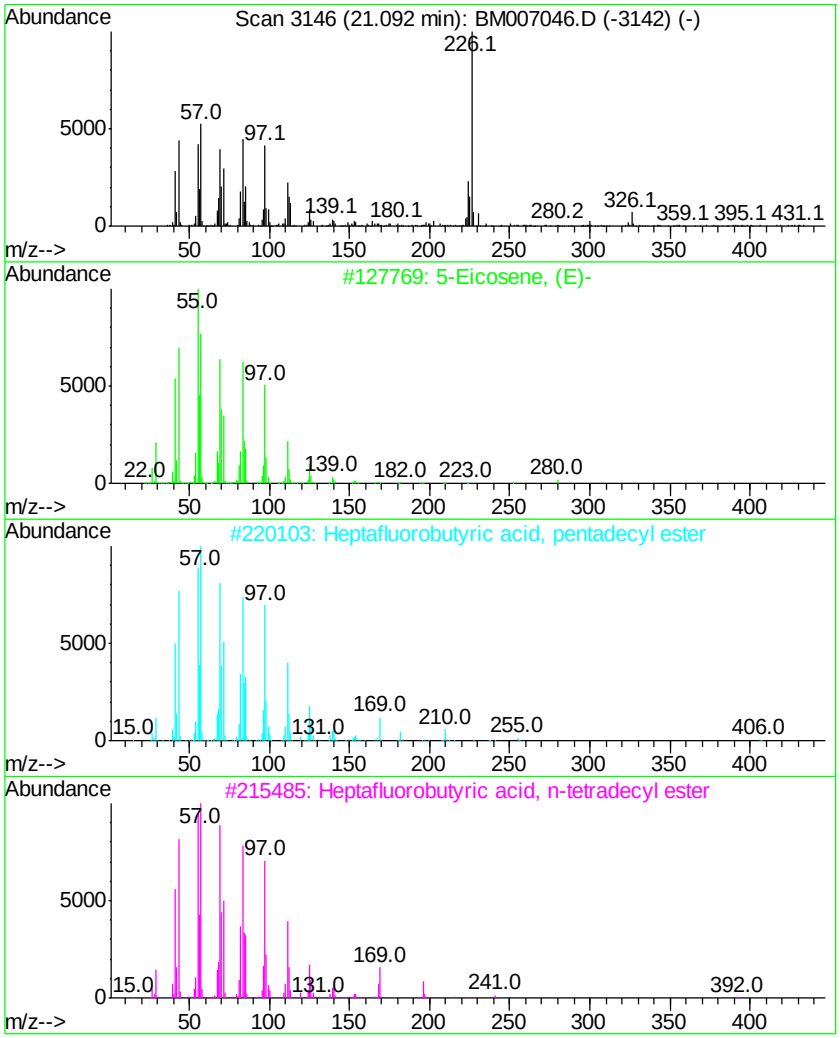
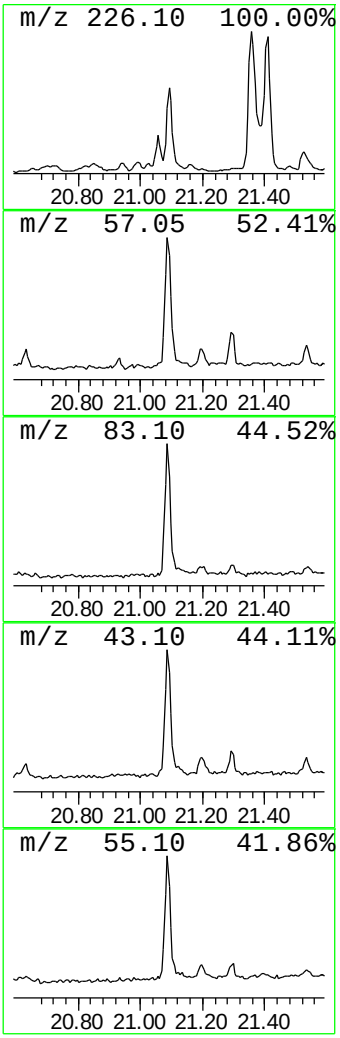
Peak Number 24 (DEL) Alkane: Cyclic21.09 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.09	3.23 ng/ul	1047050	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	89
2	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	89
3	Heptafluorobutyric acid, n-tetra...	410	C18H29F7O2	007365-36-8	89
4	9-Nonadecene	266	C19H38	031035-07-1	86
5	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	86





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Data File : BM007046.D
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Operator : UM/SJ
Sample : H4387-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0206-01

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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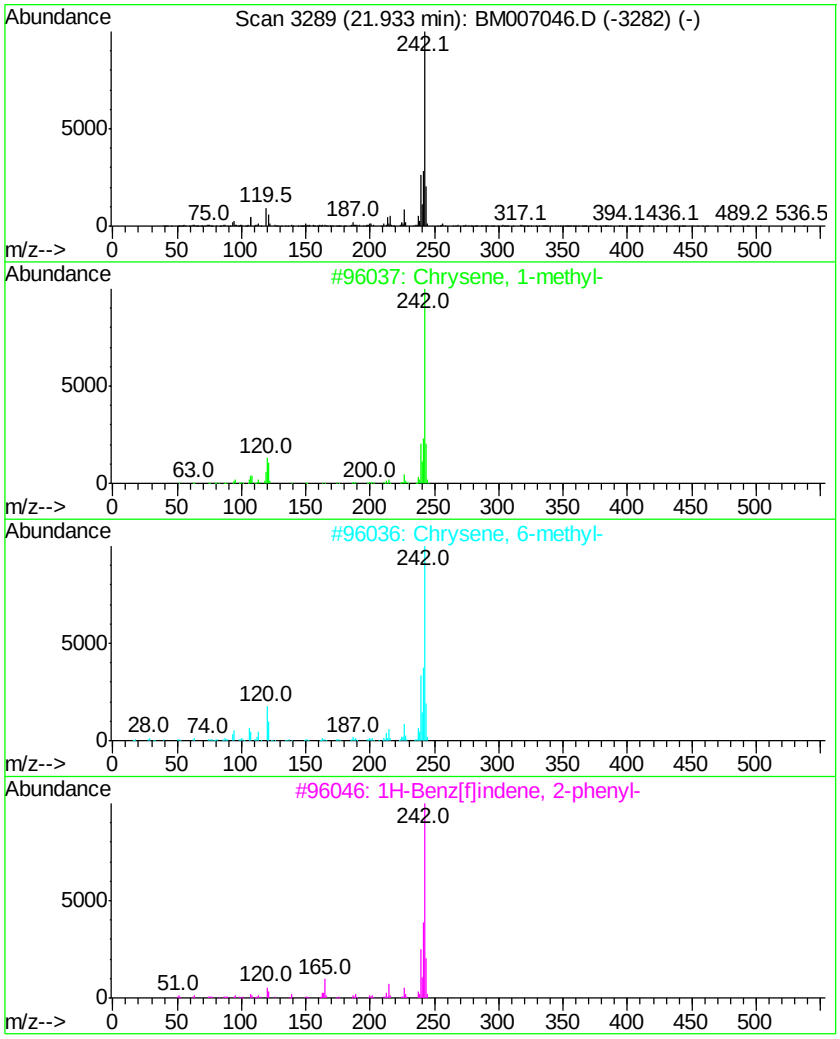
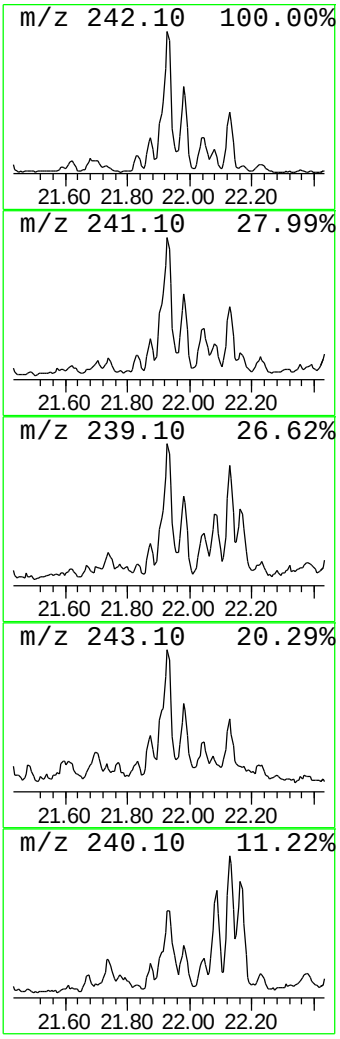
Peak Number 25 Chrysene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.93	3.02 ng/ul	979227	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
2	Chrysene, 6-methyl-	242	C19H14	001705-85-7	92
3	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	90
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	90
5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	89





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Data File : BM007046.D
Acq On : 12 Aug 2016 16:38
Operator : UM/SJ
Sample : H4387-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0206-01

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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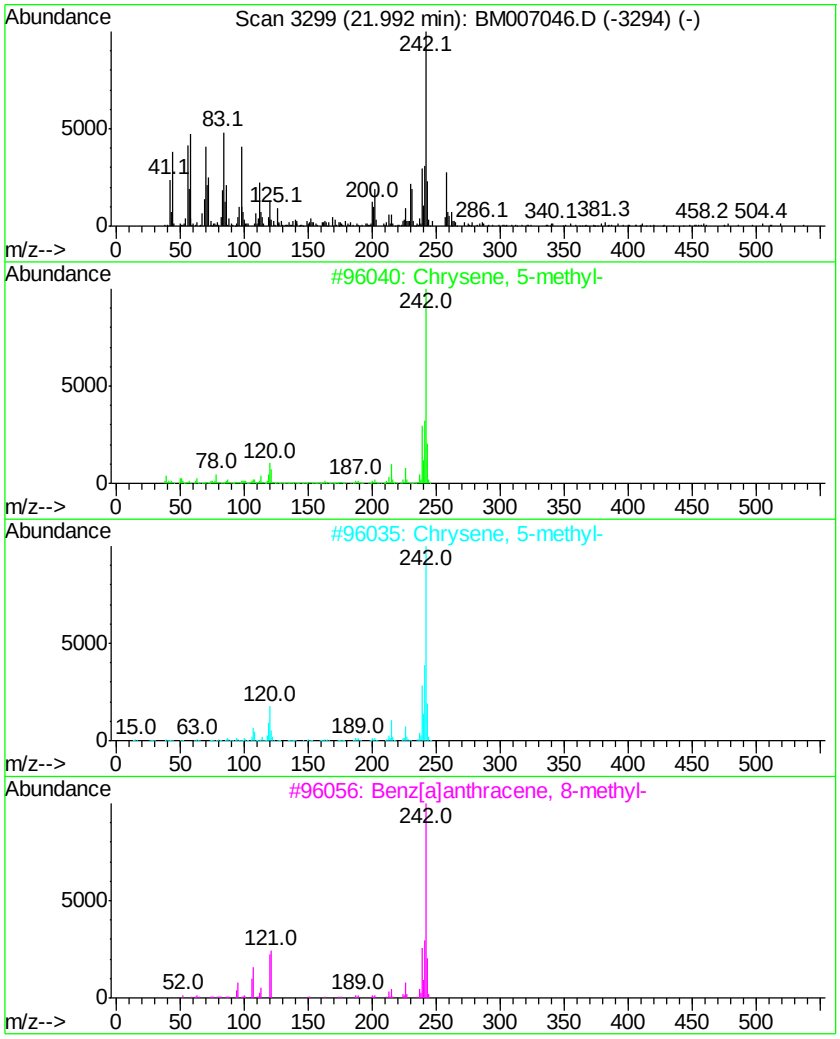
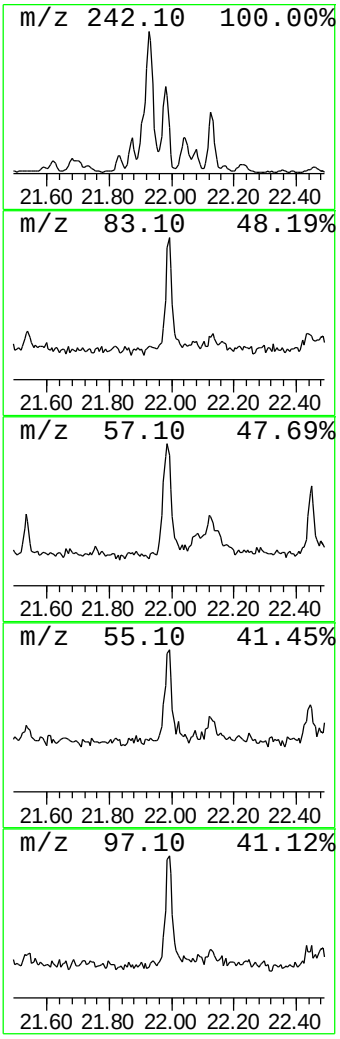
Peak Number 26 Chrysene, 5-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.99	2.32 ng/ul	751480	Chrysene-d12	21.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 5-methyl-	242	C19H14	003697-24-3	86
2	Chrysene, 5-methyl-	242	C19H14	003697-24-3	83
3	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	70
4	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	70
5	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	70





Library Search Compound Report

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Data File : BM007046.D
Acq On : 12 Aug 2016 16:38
Operator : UM/SJ
Sample : H4387-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0206-01

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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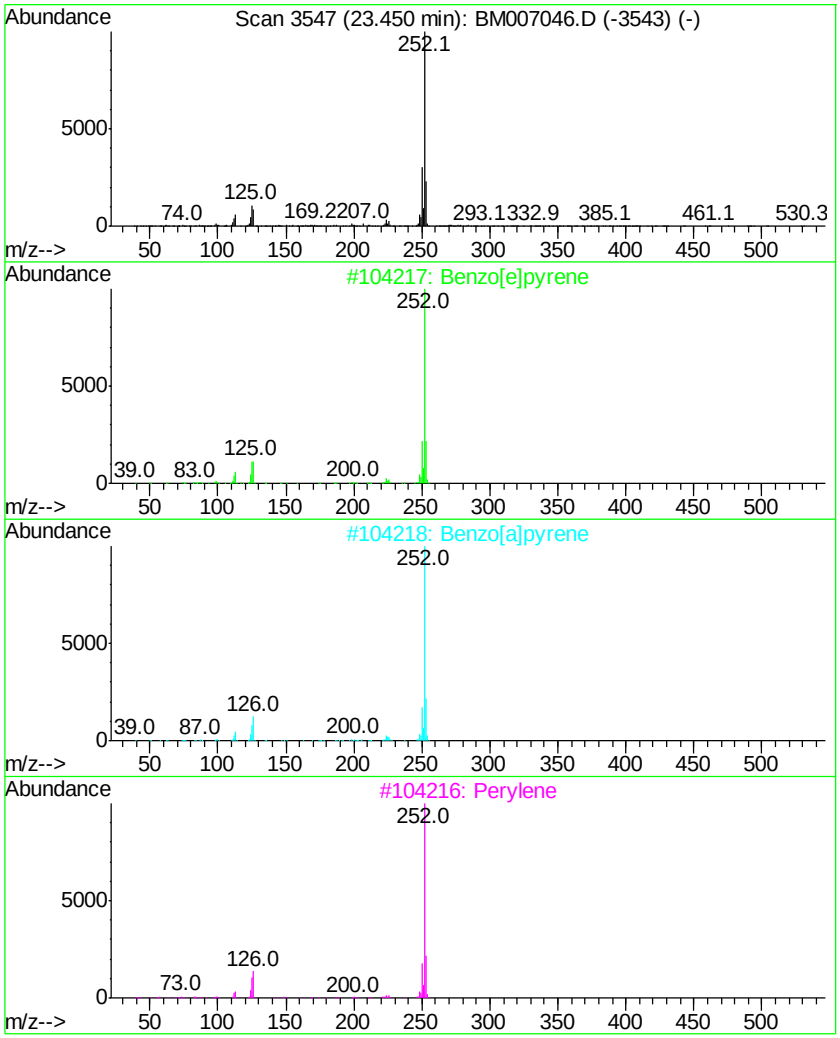
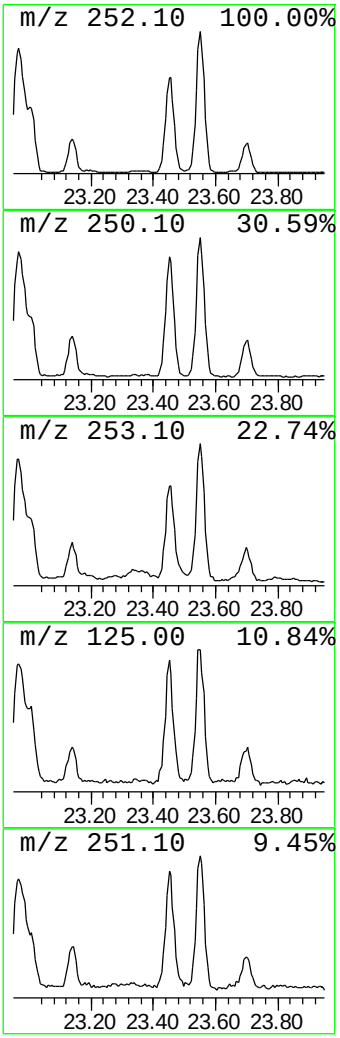
Peak Number 27 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.45	5.40 ng/ul	1075890	Perylene-d12	23.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	91
3	Perylene	252	C20H12	000198-55-0	91
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081216\
Data File : BM007046.D
Acq On : 12 Aug 2016 16:38
Operator : UM/SJ
Sample : H4387-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : P003-SS002-0206-01

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
(DEL) Alkane: Str...	16.17	2.1	ng/ul	392619	4	17.19	3797910	20.0
(DEL) Alkane: Cyc...	17.57	6.3	ng/ul	1205920	4	17.19	3797910	20.0
1-Methyldibenzoth...	17.77	2.1	ng/ul	391406	4	17.19	3797910	20.0
Phenanthrene, 2-m...	18.06	5.5	ng/ul	1052400	4	17.19	3797910	20.0
n-Hexadecanoic acid	18.09	5.7	ng/ul	1088830	4	17.19	3797910	20.0
Anthracene, 1-met...	18.25	7.5	ng/ul	1423450	4	17.19	3797910	20.0
Phenanthrene, 1-m...	18.29	4.1	ng/ul	784106	4	17.19	3797910	20.0
1,2,4,8-Tetrameth...	18.56	2.1	ng/ul	408200	4	17.19	3797910	20.0
9,10-Anthracenedione	18.60	2.1	ng/ul	395334	4	17.19	3797910	20.0
Phenanthrene, 3,6...	18.86	2.9	ng/ul	548296	4	17.19	3797910	20.0
Phenanthrene, 2,7...	18.90	2.3	ng/ul	436104	4	17.19	3797910	20.0
(DEL) Alkane: Cyc...	18.94	9.0	ng/ul	1700760	4	17.19	3797910	20.0
Phenanthrene, 2,5...	18.99	7.4	ng/ul	1410310	4	17.19	3797910	20.0
di-p-Tolylacetylene	19.04	4.3	ng/ul	814328	4	17.19	3797910	20.0
9,10-Dimethylanth...	19.12	4.1	ng/ul	770122	4	17.19	3797910	20.0
Octadecanoic acid	19.37	2.1	ng/ul	667145	5	21.37	6475380	20.0
Phenanthrene, 2,3...	19.69	2.2	ng/ul	717889	5	21.37	6475380	20.0
Pyrene, 1-methyl-	19.93	3.5	ng/ul	1133610	5	21.37	6475380	20.0
11H-Benzo[b]fluorene	20.10	2.4	ng/ul	772963	5	21.37	6475380	20.0
(DEL) Alkane: Cyc...	21.09	3.2	ng/ul	1047050	5	21.37	6475380	20.0
Chrysene, 1-methyl-	21.93	3.0	ng/ul	979227	5	21.37	6475380	20.0
Chrysene, 5-methyl-	21.99	2.3	ng/ul	751480	5	21.37	6475380	20.0
Benzo[e]pyrene	23.45	5.4	ng/ul	1075890	6	23.65	3984720	20.0