LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007447.D
Acq On : 07 Sep 2016 20:06
Operator : UM/SJ
Sample : H4666-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A7

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-BM082316.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	5.822	544	550	555	rBV	103232	154194	1.62%	0.137%
2	6.963	735	744	752	rBV	467847	930368	9.80%	0.827%
3	7.128	765	772	777	rBV	422843	645417	6.80%	0.573%
4	7.328	800	806	815	rVB	491502	821570	8.65%	0.730%
5	7.792	875	885	893	rBV	837652	1429204	15.05%	1.270%
6	8.492	998	1004	1012	rVV	442607	716638	7.55%	0.637%
7	8.945	1074	1081	1088	rBV	583164	984641	10.37%	0.875%
8	9.663	1196	1203	1214	rBV	459187	820913	8.65%	0.729%
9	10.198	1288	1294	1303	rVB	681440	1184203	12.47%	1.052%
10	10.575	1348	1358	1363	rBV	1364498	2515824	26.50%	2.235%
11	10.622	1363	1366	1373	rVB	311985	526514	5.55%	0.468%
12	11.592	1526	1531	1537	rBV	135925	219341	2.31%	0.195%
13	11.992	1592	1599	1609	rBV	145581	247865	2.61%	0.220%
14	12.239	1634	1641	1648	rVB	431487	742159	7.82%	0.659%
15	12.457	1672	1678	1686	rVV	344114	564414	5.94%	0.501%
16	12.951	1758	1762	1768	rVB	104475	157763	1.66%	0.140%
17	13.245	1805	1812	1819	rBV2	284411	513437	5.41%	0.456%
18	13.316	1819	1824	1836	rVB8	47801	153309	1.61%	0.136%
19	13.580	1864	1869	1878	rBV3	134491	341766	3.60%	0.304%
20	13.739	1891	1896	1901	rVV	287567	511576	5.39%	0.454%
21	13.798	1901	1906	1908	rVV	268381	449489	4.73%	0.399%
22	13.833	1908	1912	1916	rVV	1539752	2207754	23.25%	1.961%
23	13.874	1916	1919	1928	rVV	985108	1628173	17.15%	1.446%
24	13.980	1932	1937	1940	rVV	183872	289943	3.05%	0.258%
25	14.116	1954	1960	1974	rVB	1954592	3125141	32.91%	2.776%
26	14.316	1990	1994	2001	rVB	283989	382277	4.03%	0.340%
27	14.421	2002	2012	2019	rBV2	2337012	4049905	42.65%	3.598%
28	14.639	2042	2049	2056	rBV2	153163	357463	3.76%	0.318%
29	14.821	2075	2080	2086	rVB	544063	795463	8.38%	0.707%
30	14.898	2086	2093	2096	rVV	135914	218430	2.30%	0.194%
31	14.939	2096	2100	2108	rVB5	73934	154679	1.63%	0.137%
32	15.039	2113	2117	2122	rBV2	130752	200969	2.12%	0.179%
33	15.092	2122	2126	2130	rVB	127784	166832	1.76%	0.148%
34	15.210	2140	2146	2150	rBV4	186630	324657	3.42%	0.288%

LSC Area Percent Report

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Acq On : 07 Sep 2016 20:06
Operator : UM/SJ
Sample : H4666-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A7

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-BM082316.M
Title : SVOA CALIBRATION

35	15.268	2152	2156	2162	rVB	383449	511793	5.39%	0.455%
36	15.351	2162	2170	2173	rBV5	93740	198640	2.09%	0.176%
37	15.416	2174	2181	2186	rVV	2643326	3991279	42.04%	3.546%
38	15.457	2186	2188	2193	rVB2	207230	260280	2.74%	0.231%
39	15.539	2198	2202	2209	rVB2	395847	569075	5.99%	0.506%
40	15.680	2218	2226	2233	rVB5	173931	373316	3.93%	0.332%
41	15.768	2234	2241	2246	rVB	278857	505723	5.33%	0.449%
42	15.915	2258	2266	2273	rVB	258486	625070	6.58%	0.555%
43	15.998	2274	2280	2288	rVB2	133741	309035	3.25%	0.275%
44	16.133	2298	2303	2305	rBV	584270	868495	9.15%	0.772%
45	16.704	2394	2400	2404	rBV2	268689	523259	5.51%	0.465%
46	16.821	2416	2420	2427	rBV2	481830	733636	7.73%	0.652%
47	16.927	2427	2438	2444	rVV2	1084382	2068522	21.79%	1.838%
48	16.980	2444	2447	2457	rVB4	237745	497725	5.24%	0.442%
49	17.168	2473	2479	2483	rBV	3404126	5088473	53.59%	4.521%
50	17.210	2483	2486	2490	rVV	1513177	2035669	21.44%	1.809%
51	17.262	2490	2495	2505	rVV2	2937531	4632642	48.79%	4.116%
52	17.351	2505	2510	2515	rVV3	124815	247001	2.60%	0.219%
53	17.451	2522	2527	2528	rVV	121892	176318	1.86%	0.157%
54	17.480	2528	2532	2537	rVB3	287704	468366	4.93%	0.416%
55	17.574	2544	2548	2551	rBV2	121466	184078	1.94%	0.164%
56	17.657	2558	2562	2566	rBV	445564	479277	5.05%	0.426%
57	17.745	2573	2577	2581	rBV	236627	299949	3.16%	0.266%
58	17.998	2616	2620	2623	rBV2	313254	398766	4.20%	0.354%
59	18.045	2623	2628	2629	rVV	533643	773575	8.15%	0.687%
60	18.086	2632	2635	2641	rVB	1012449	1460349	15.38%	1.297%
61	18.227	2654	2659	2663	rBV	450483	666358	7.02%	0.592%
62	18.268	2663	2666	2673	rVB	362759	530587	5.59%	0.471%
63	18.351	2676	2680	2684	rBV2	586608	744839	7.84%	0.662%
64	18.392	2684	2687	2690	rVV3	131222	170712	1.80%	0.152%
65	18.433	2690	2694	2699	rVB2	188107	295828	3.12%	0.263%
66	18.539	2707	2712	2716	rBV	641570	975524	10.27%	0.867%
67	18.586	2716	2720	2730	rVB2	443774	768458	8.09%	0.683%
68	18.786	2751	2754	2757	rVV2	263127	367858	3.87%	0.327%
69	18.839	2760	2763	2766	rVV	280719	386630	4.07%	0.343%
70	18.874	2766	2769	2773	rVB	260810	346429	3.65%	0.308%
71	18.962	2779	2784	2785	rBV	509488	684032	7.20%	0.608%

LSC Area Percent Report

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Operator : UM/SJ
Sample : H4666-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A7

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-BM082316.M
Title : SVOA CALIBRATION

72	19.051	2796	2799	2803	rVB	287885	343619	3.62%	0.305%
73	19.098	2803	2807	2813	rBV2	402210	670811	7.07%	0.596%
74	19.221	2823	2828	2835	rVB	2188231	3043493	32.05%	2.704%
75	19.286	2835	2839	2842	rBV	382896	513702	5.41%	0.456%
76	19.321	2842	2845	2850	rVB	185458	266555	2.81%	0.237%
77	19.556	2880	2885	2889	rBV2	4468093	6835048	71.99%	6.072%
78	19.656	2899	2902	2910	rVB2	376357	562398	5.92%	0.500%
79	19.903	2940	2944	2956	rBV4	404562	1025854	10.80%	0.911%
80	19.992	2956	2959	2963	rVV2	167036	256636	2.70%	0.228%
81	20.039	2964	2967	2971	rVV4	273434	539606	5.68%	0.479%
82	20.092	2974	2976	2981	rVB	468368	582696	6.14%	0.518%
83	20.380	3022	3025	3029	rBV2	241315	414920	4.37%	0.369%
84	20.592	3057	3061	3065	rBV	553958	707012	7.45%	0.628%
85	20.827	3097	3101	3107	rBV	946058	1259551	13.27%	1.119%
86	20.992	3126	3129	3133	rVB2	484452	605915	6.38%	0.538%
87	21.056	3137	3140	3147	rVV2	983849	1581963	16.66%	1.405%
88	21.127	3148	3152	3158	rVB2	437356	648960	6.83%	0.577%
89	21.350	3183	3190	3194	rBV2	5434010	9494661	100.00%	8.435%
90	21.486	3211	3213	3216	rVB	222157	210861	2.22%	0.187%
91	21.709	3248	3251	3254	rBV3	250777	361611	3.81%	0.321%
92	21.962	3290	3294	3299	rVB2	638867	1036783	10.92%	0.921%
93	22.392	3364	3367	3372	rBV2	370970	461991	4.87%	0.410%
94	22.933	3450	3459	3465	rBV2	1723304	4404946	46.39%	3.913%
95	23.421	3537	3542	3545	rBV	612467	1063284	11.20%	0.945%
96	23.474	3545	3551	3557	rVB2	2529708	4510212	47.50%	4.007%
97	23.621	3569	3576	3582	rBV	2909830	5511510	58.05%	4.897%
98	24.127	3658	3662	3673	rVB	748200	1521029	16.02%	1.351%
99	24.880	3787	3790	3799	rVB2	340789	694905	7.32%	0.617%
100	26.697	4093	4099	4107	rBV8	249316	679462	7.16%	0.604%

Sum of corrected areas: 112559851

LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
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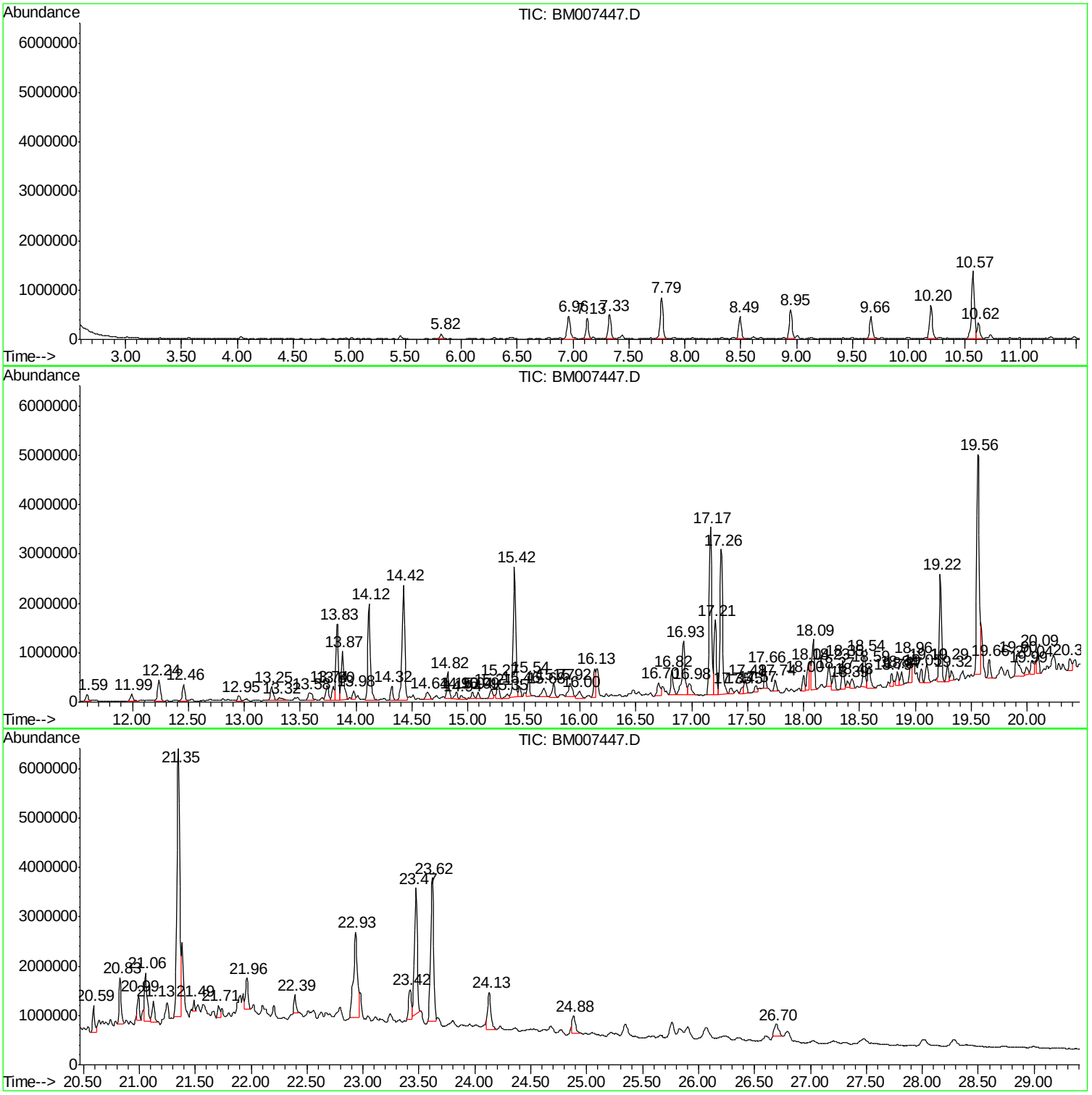
Acq On : 07 Sep 2016 20:06
Operator : UM/SJ
Sample : H4666-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.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\BM090716\
Data File : BM007447.D
Acq On : 07 Sep 2016 20:06
Operator : UM/SJ
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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

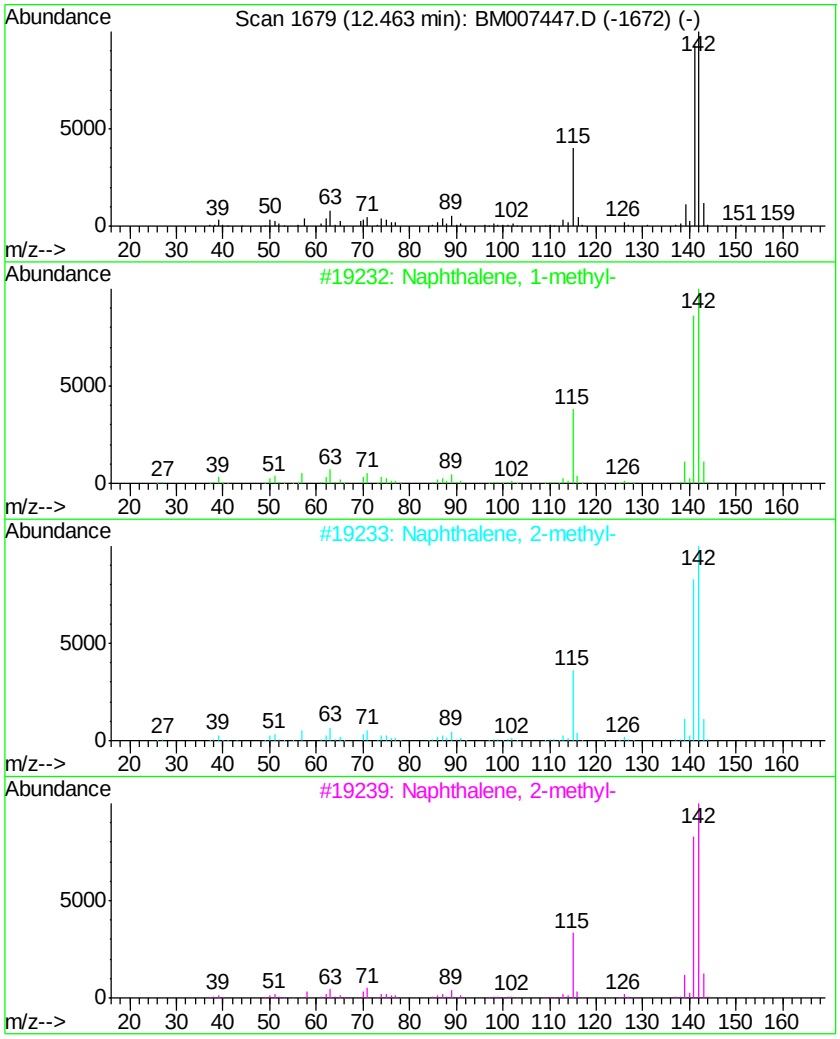
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

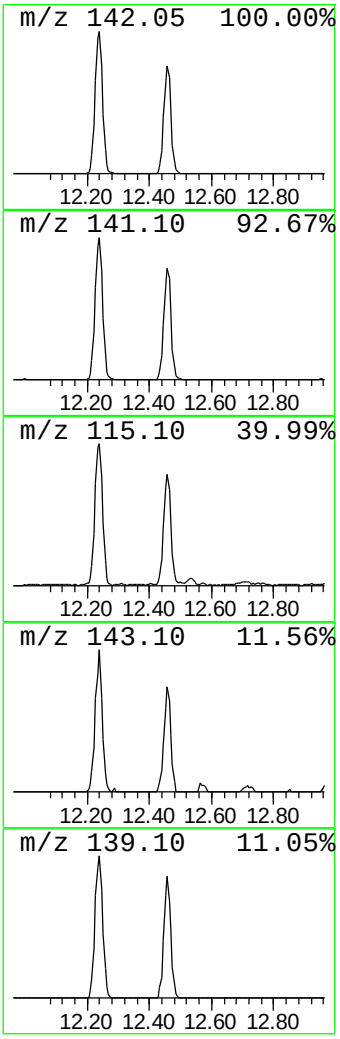
****

Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	4.49 ng/ul	564414	Naphthalene-d8	10.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007447.D
Acq On : 07 Sep 2016 20:06
Operator : UM/SJ
Sample : H4666-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

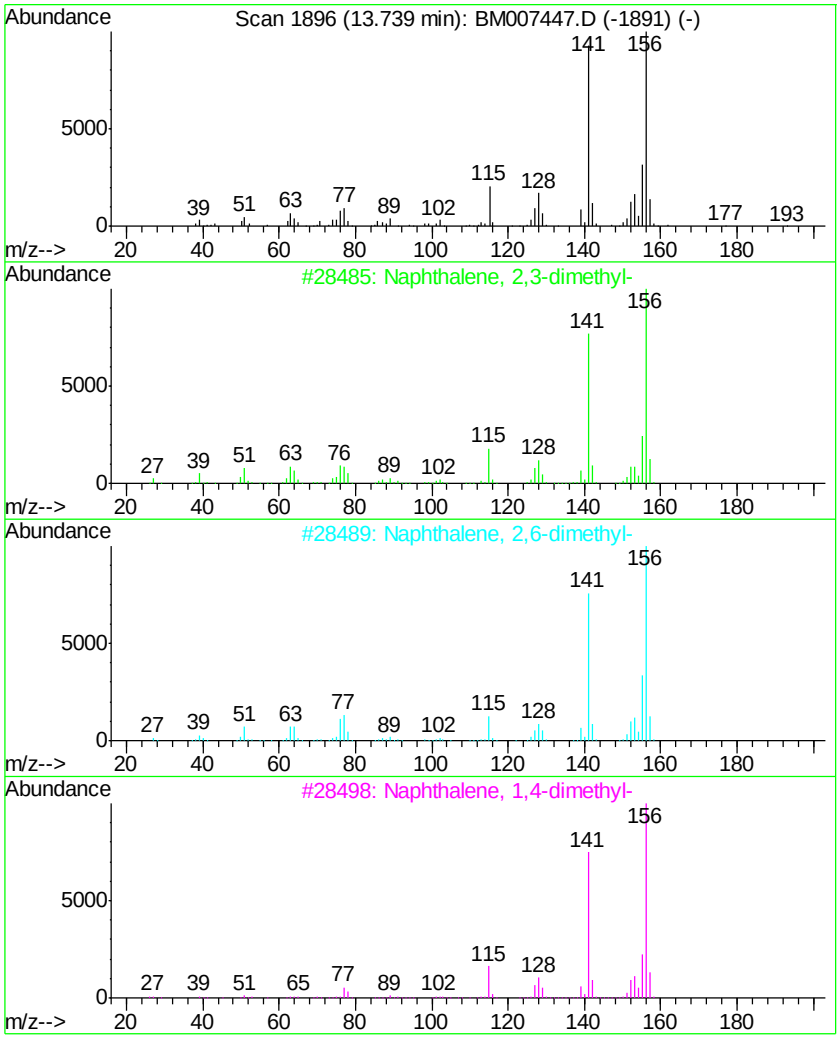
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

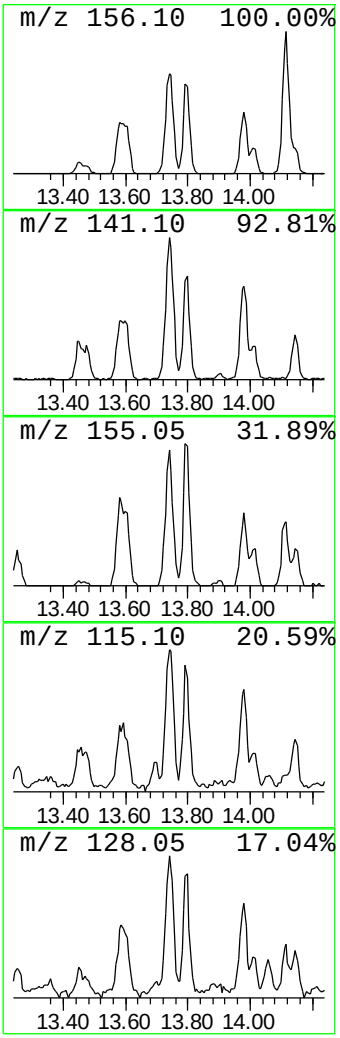
****

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	2.53 ng/ul	511576	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
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ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

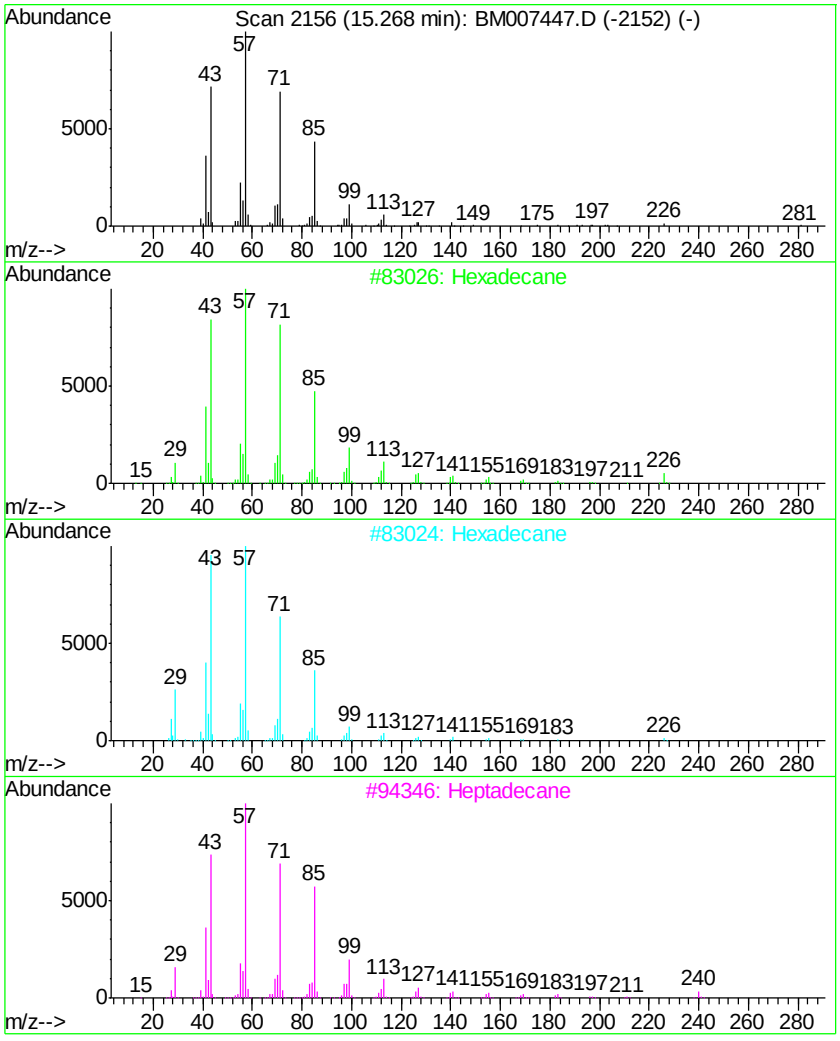
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

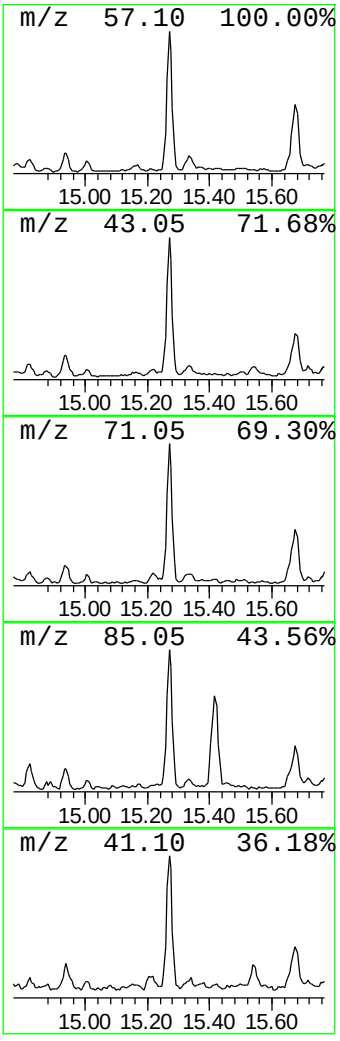
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.27	2.53 ng/ul	511793	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	97
2	Hexadecane	226	C16H34	000544-76-3	93
3	Heptadecane	240	C17H36	000629-78-7	90
4	Heptadecane	240	C17H36	000629-78-7	90
5	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	90





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
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Operator : UM/SJ
Sample : H4666-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

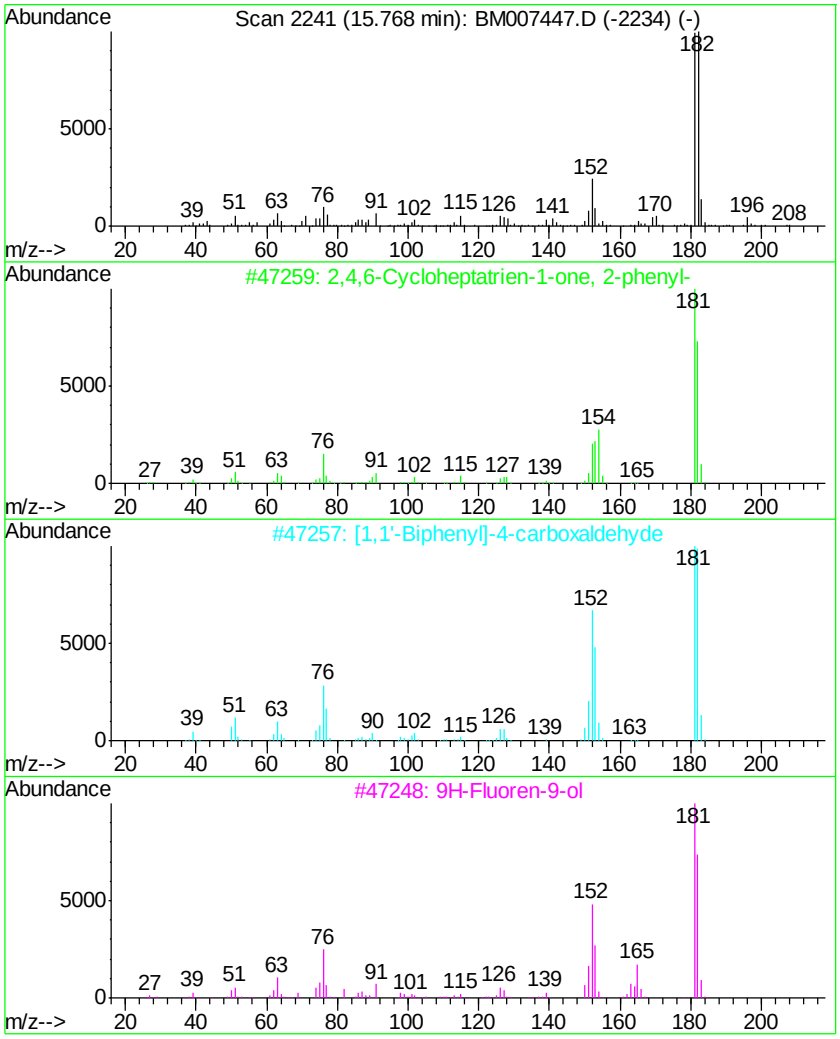
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

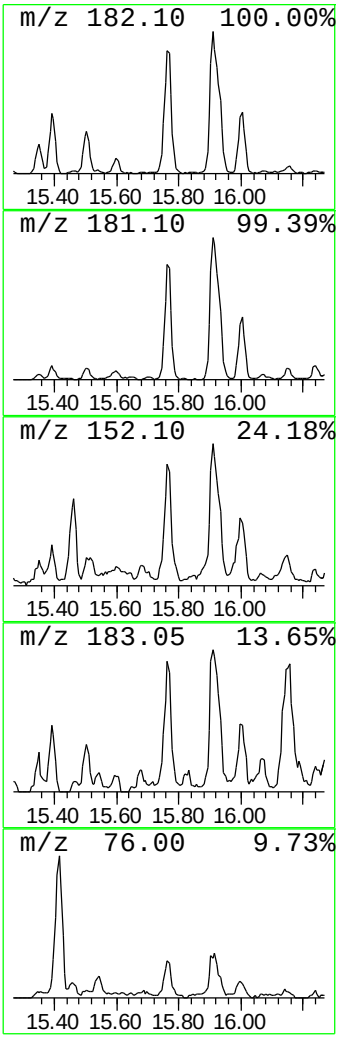
****

Peak Number 5 2,4,6-Cycloheptatrien-1-one... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.77	2.50 ng/ul	505723	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	81
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	80
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	80
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM090716\
Data File : BM007447.D
Acq On : 07 Sep 2016 20:06
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Sample : H4666-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

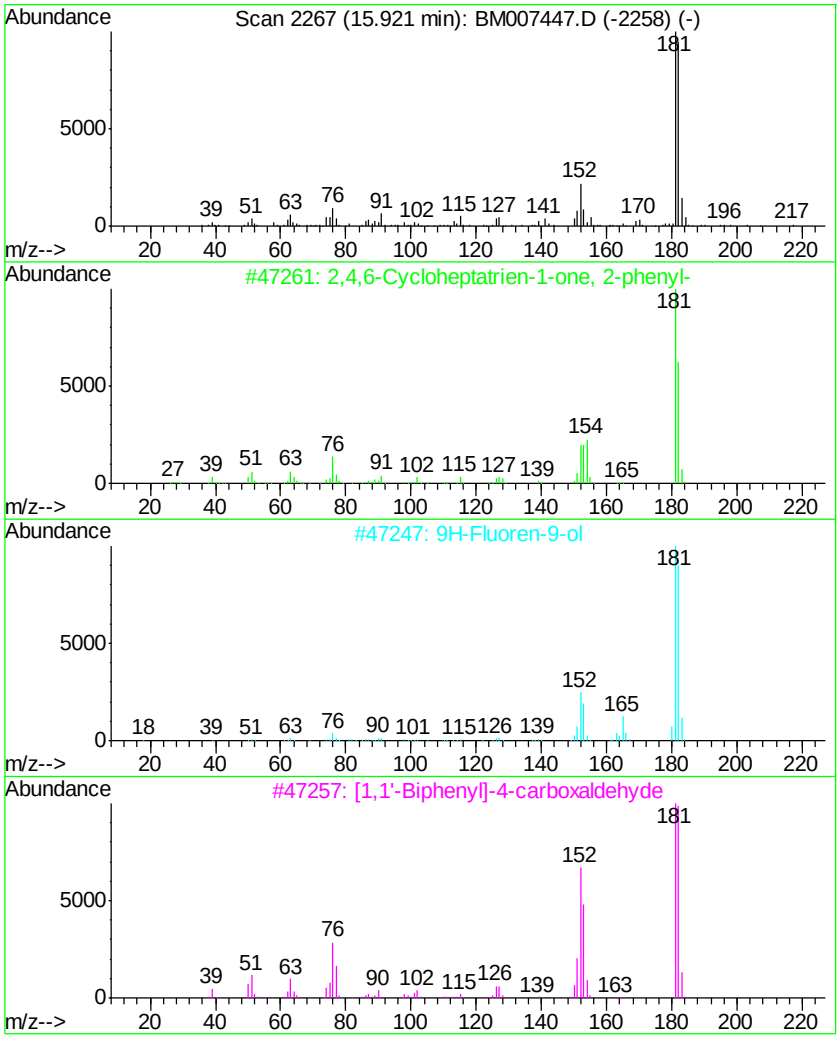
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

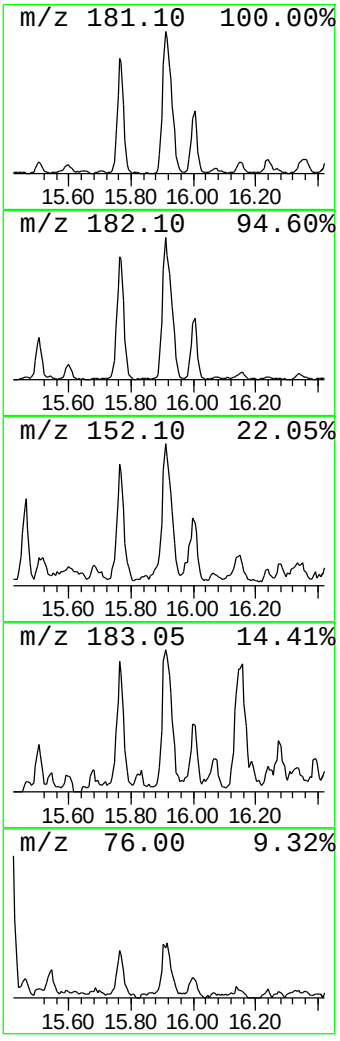
****

Peak Number 6 9H-Fluoren-9-ol Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	2.46 ng/ul	625070	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	59





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Acq On : 07 Sep 2016 20:06
Operator : UM/SJ
Sample : H4666-12
Misc :
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Instrument : BNA_M
ClientSampleId : BD3A7

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Quant Title : SVOA CALIBRATION

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

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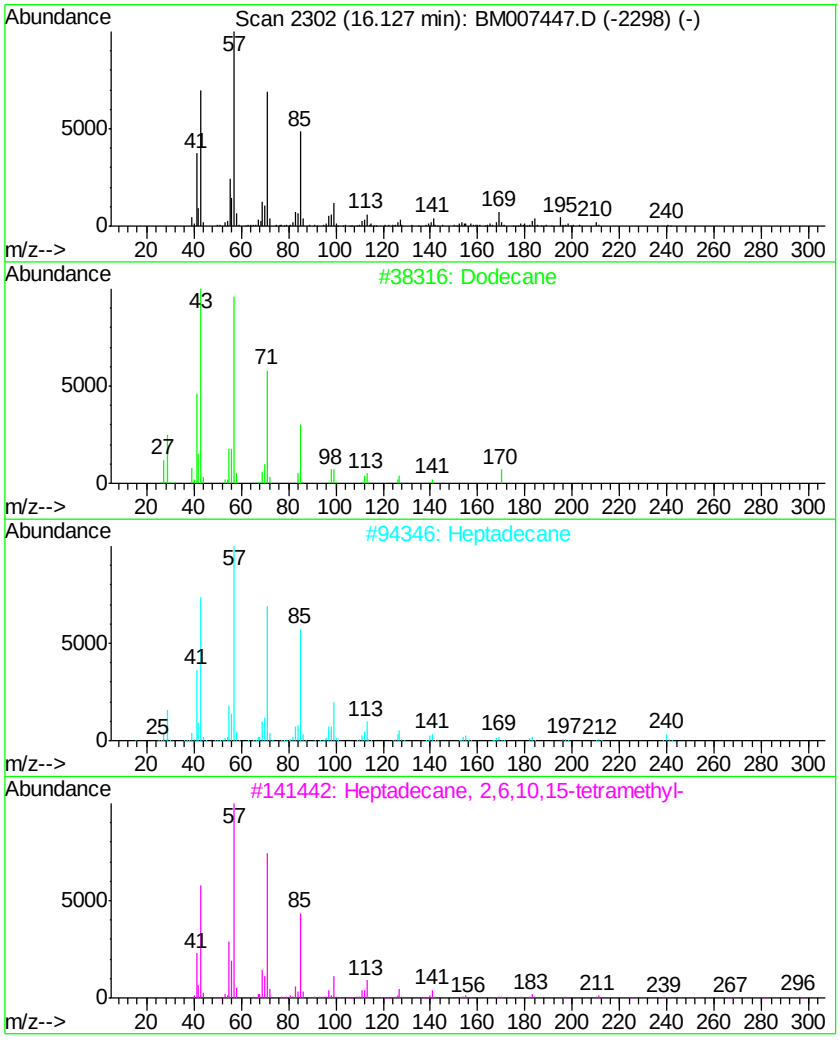
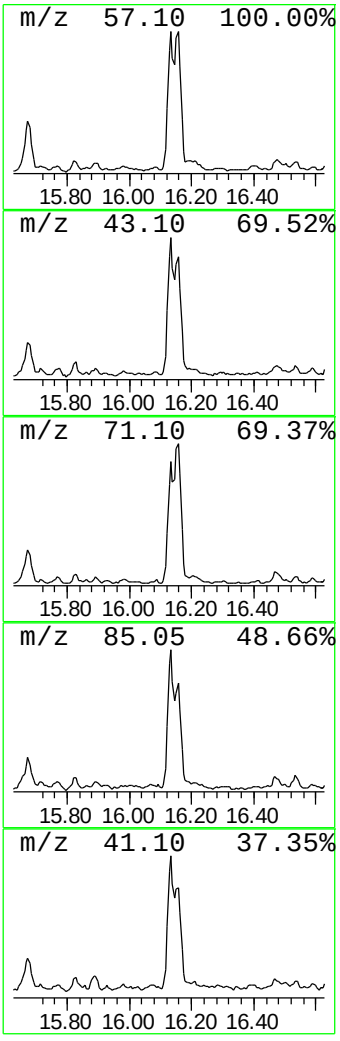
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.13	3.41 ng/ul	868495	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	87
2	Heptadecane	240	C17H36	000629-78-7	83
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	83
4	Tetradecane	198	C14H30	000629-59-4	80
5	Heneicosane	296	C21H44	000629-94-7	80





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ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A7

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Quant Title : SVOA CALIBRATION

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

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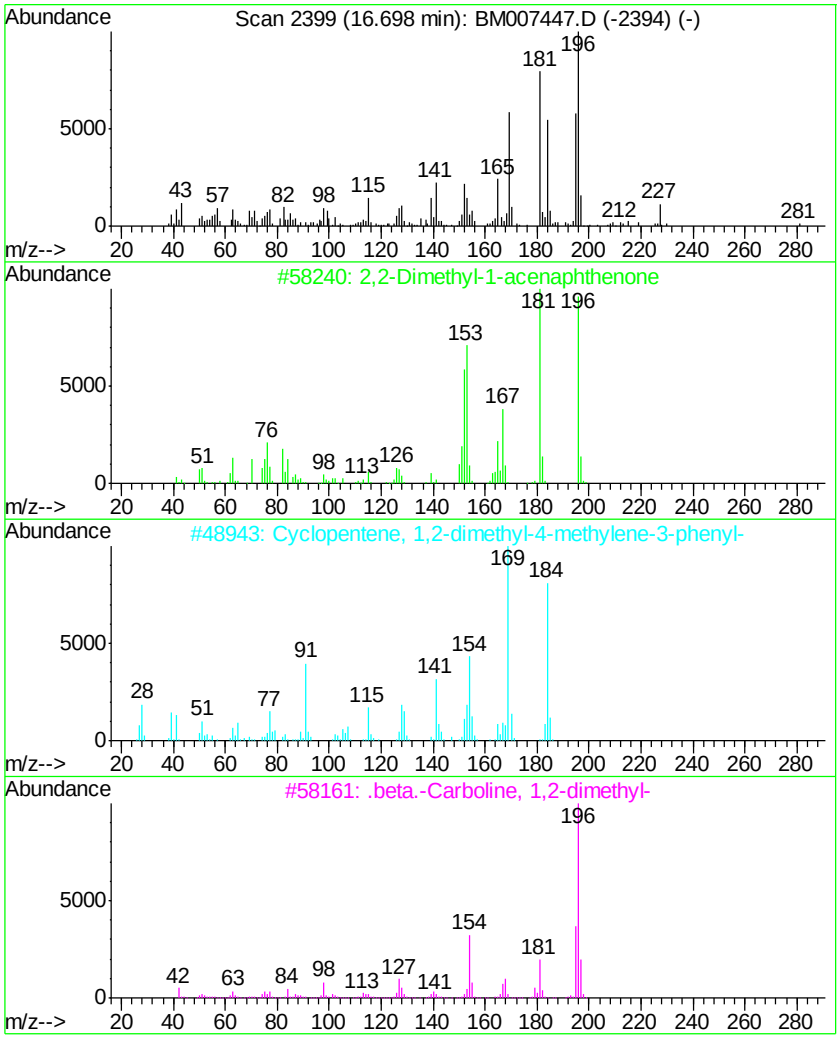
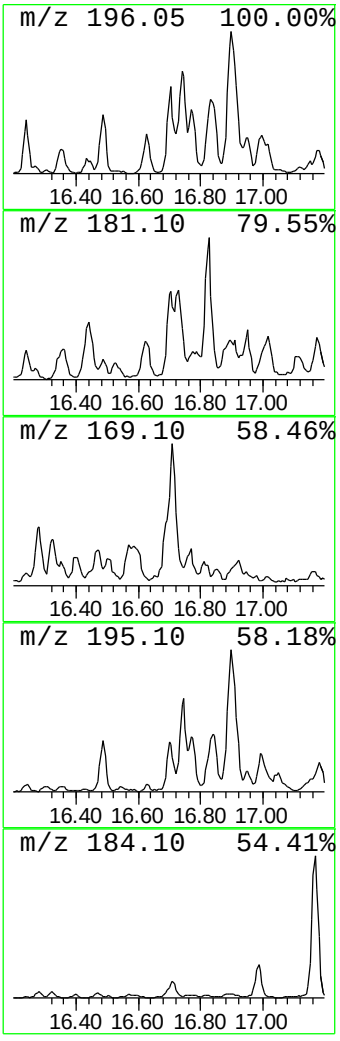
Peak Number 8 unknown-01 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.70	2.06 ng/ul	523259	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethyl-1-acenaphthenone	196	C14H12O	018086-43-6	42
2	Cyclopentene, 1,2-dimethyl-4-met...	184	C14H16	1000152-22-4	38
3	.beta.-Carboline, 1,2-dimethyl-	196	C13H12N2	109847-05-4	38
4	Benzaldehyde, 2,4,5-trimethoxy-	196	C10H12O4	004460-86-0	30
5	9H-Fluorene-2,7-diamine	196	C13H12N2	000525-64-4	25





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ClientSampleId : BD3A7

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Quant Title : SVOA CALIBRATION

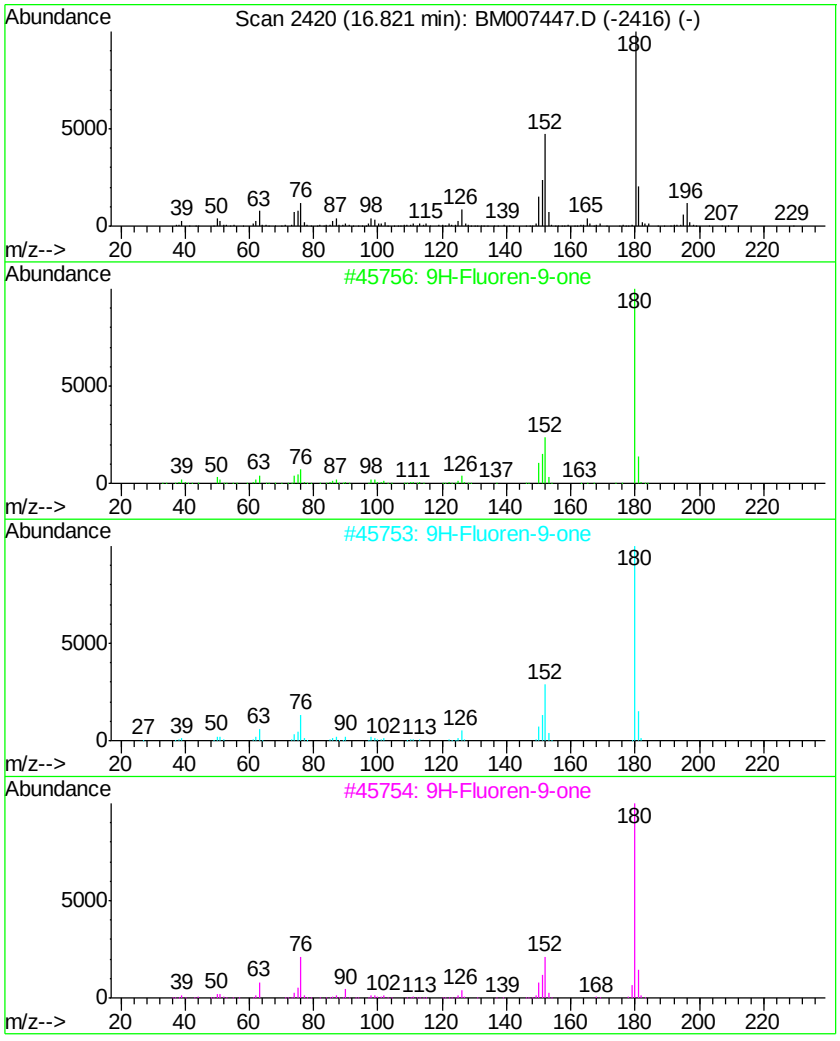
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

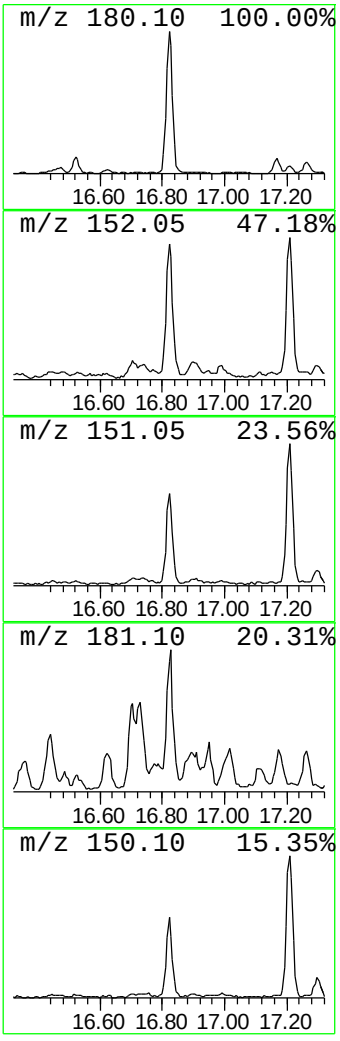
****

Peak Number 9 9H-Fluoren-9-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.82	2.88 ng/ul	733636	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	83
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	81





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Instrument : BNA_M
ClientSampleId : BD3A7

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Quant Title : SVOA CALIBRATION

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

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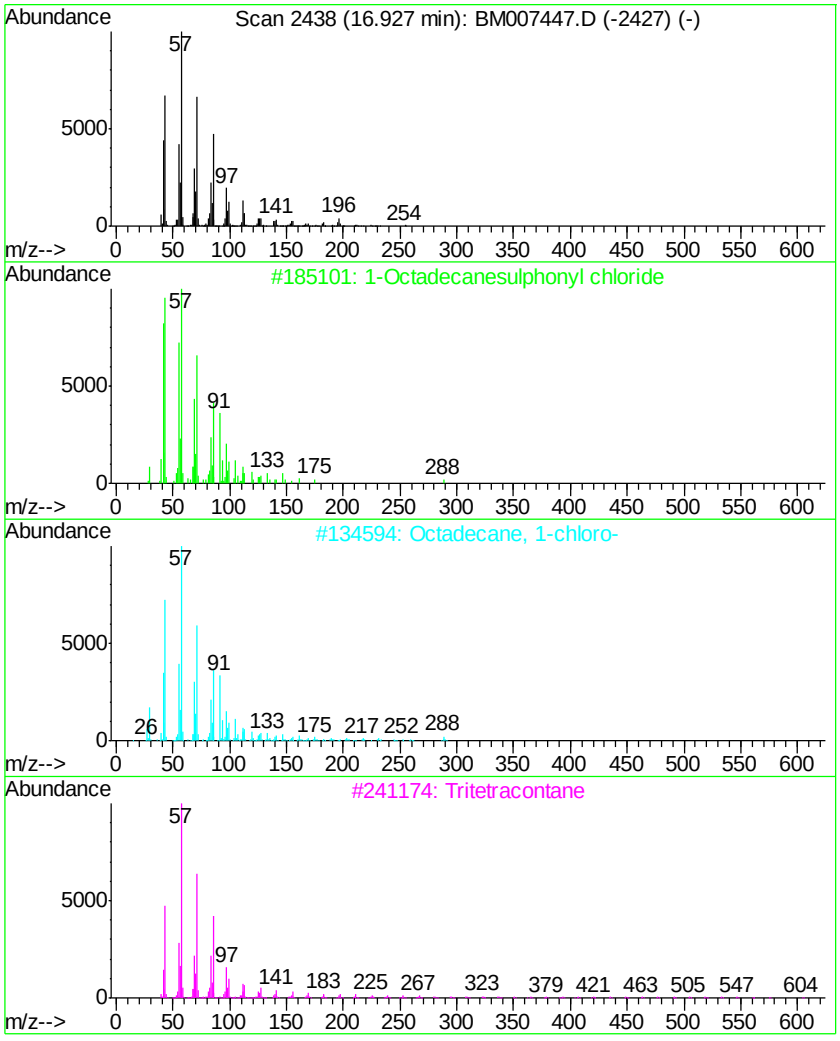
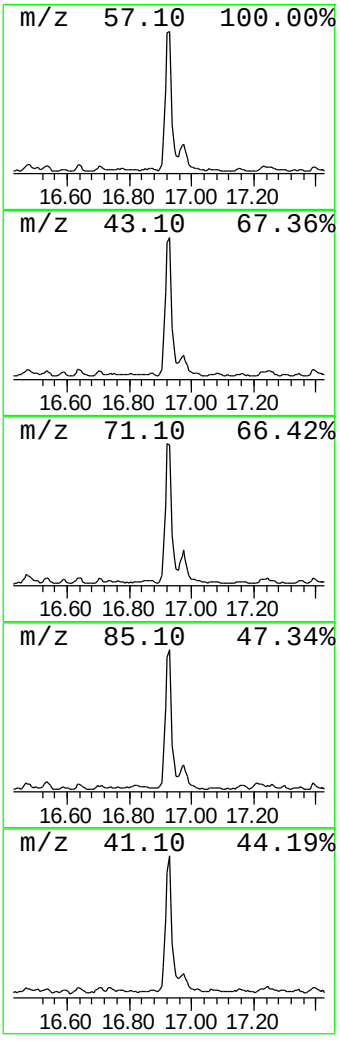
Peak Number 10 1-Octadecanesulphonyl chloride Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.93	8.13 ng/ul	2068520	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	91
2	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	91
3	Tritetracontane	605	C43H88	007098-21-7	91
4	Pentadecane	212	C15H32	000629-62-9	89
5	Hexadecane, 1-chloro-	260	C16H33Cl	004860-03-1	80





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Sample : H4666-12
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Instrument : BNA_M
ClientSampleId : BD3A7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

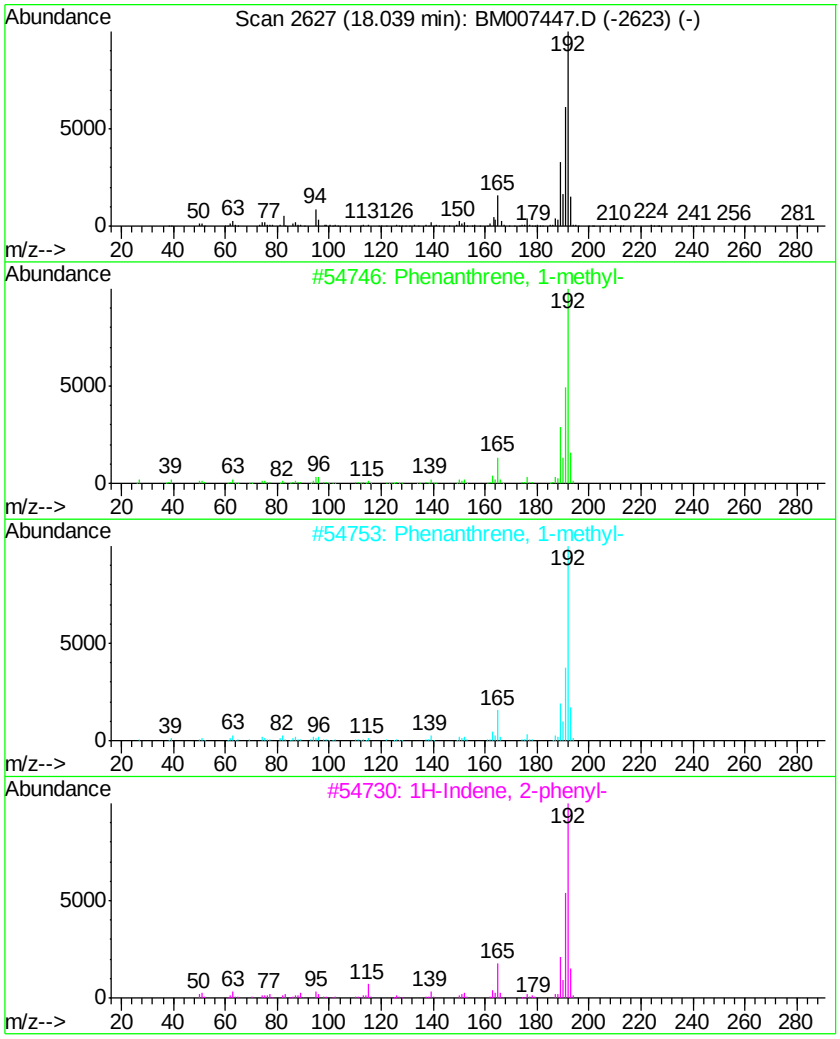
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

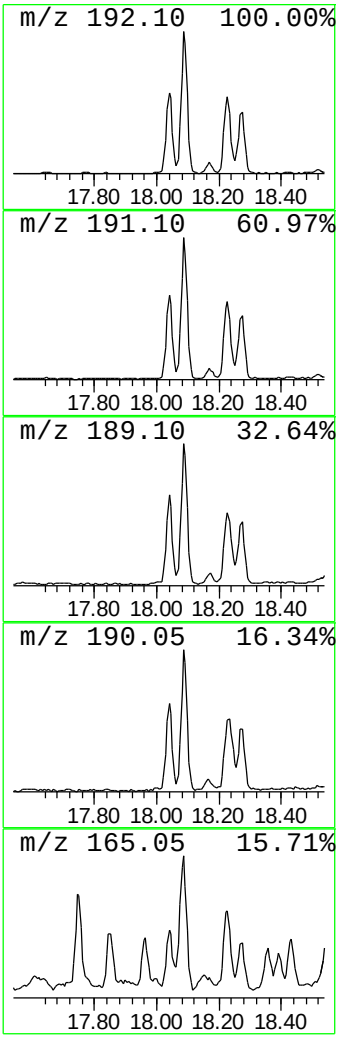
****

Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	3.04 ng/ul	773575	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





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ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A7

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Quant Title : SVOA CALIBRATION

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

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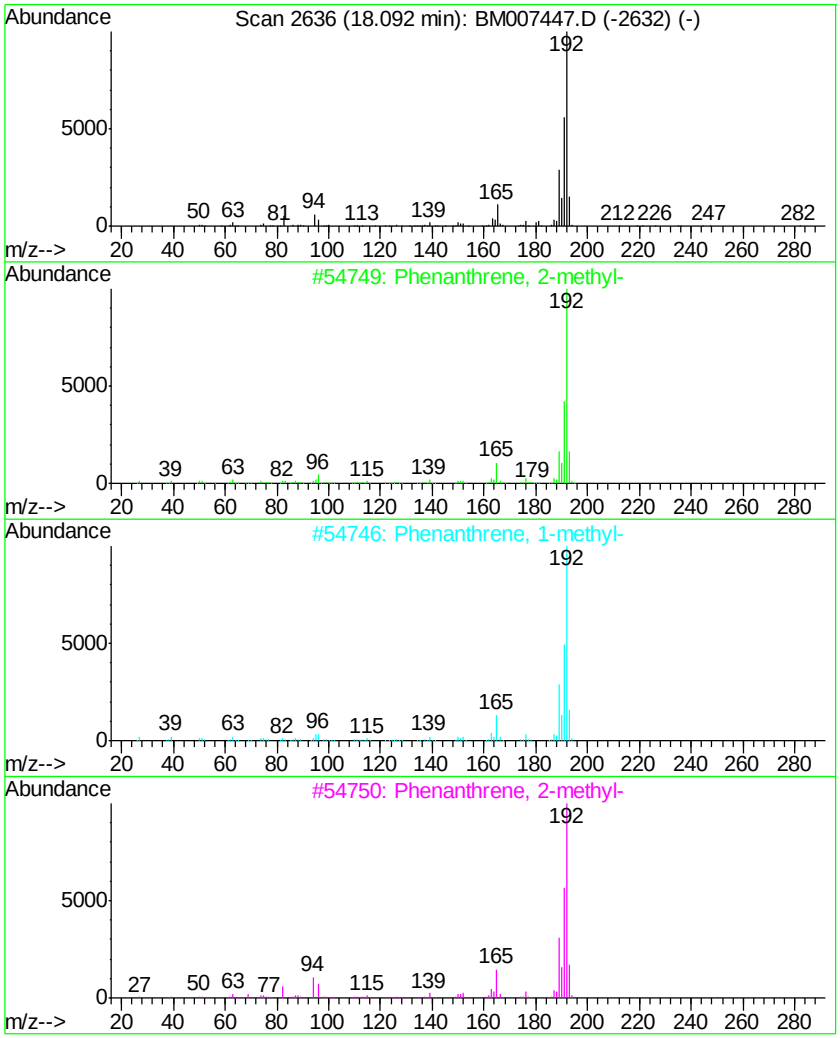
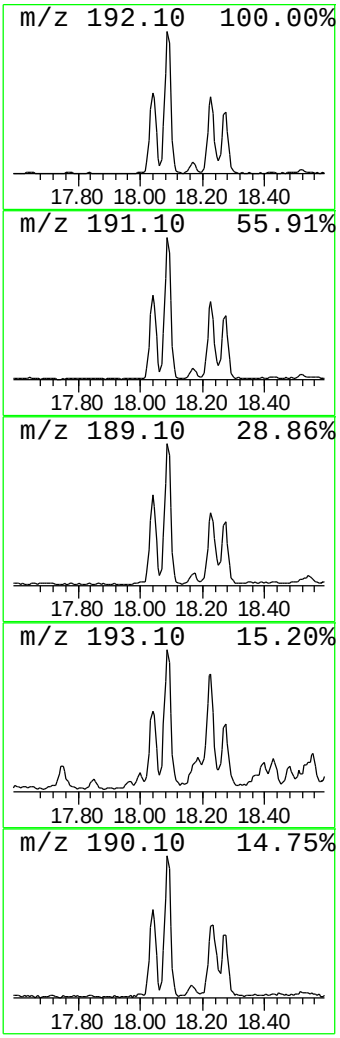
Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	5.74 ng/ul	1460350	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Sample : H4666-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A7

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Quant Title : SVOA CALIBRATION

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

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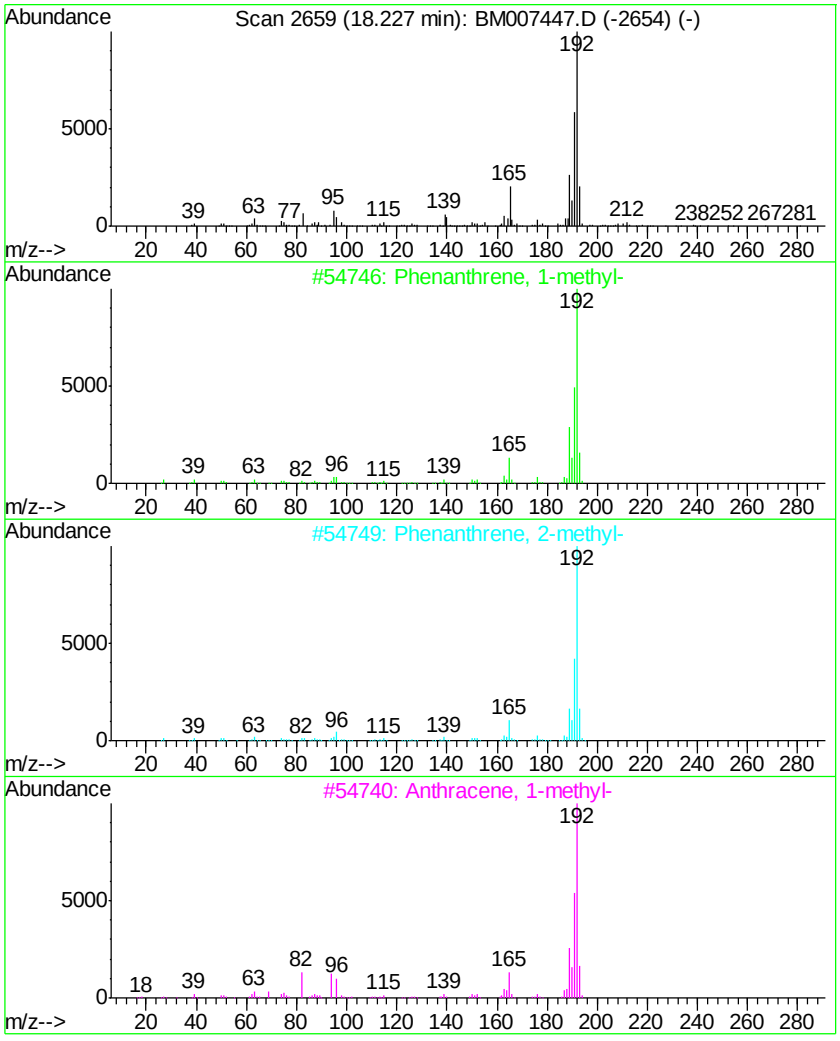
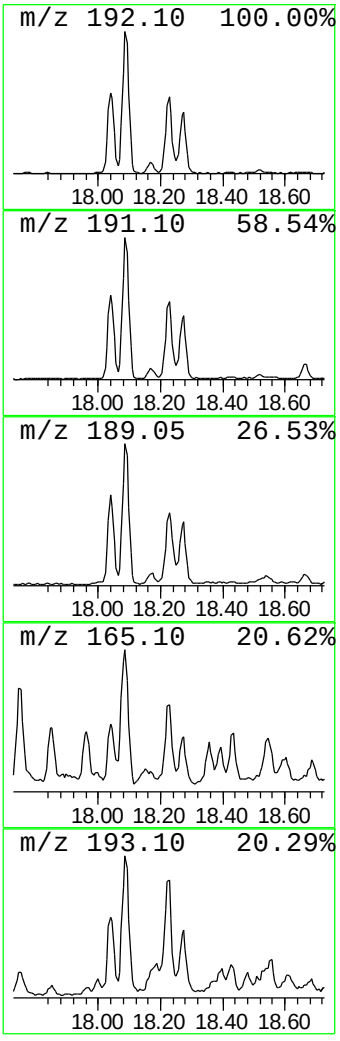
Peak Number 13 Anthracene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	2.62 ng/ul	666358	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91





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Misc :
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Quant Title : SVOA CALIBRATION

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

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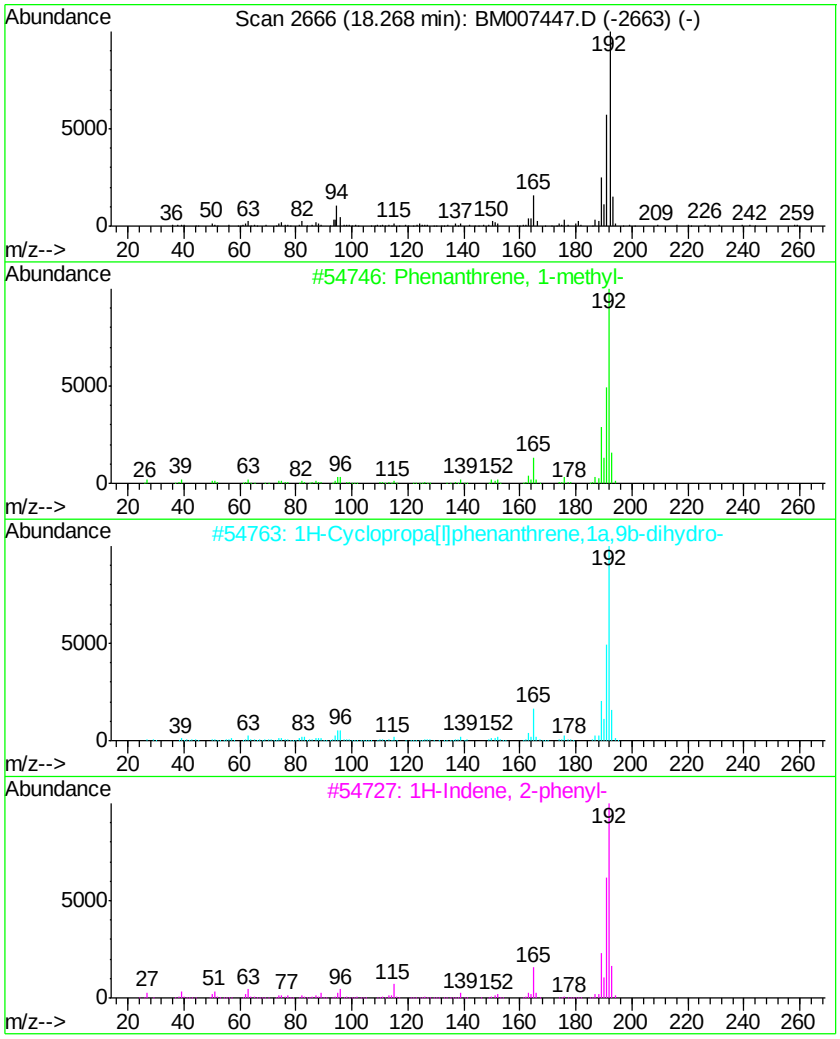
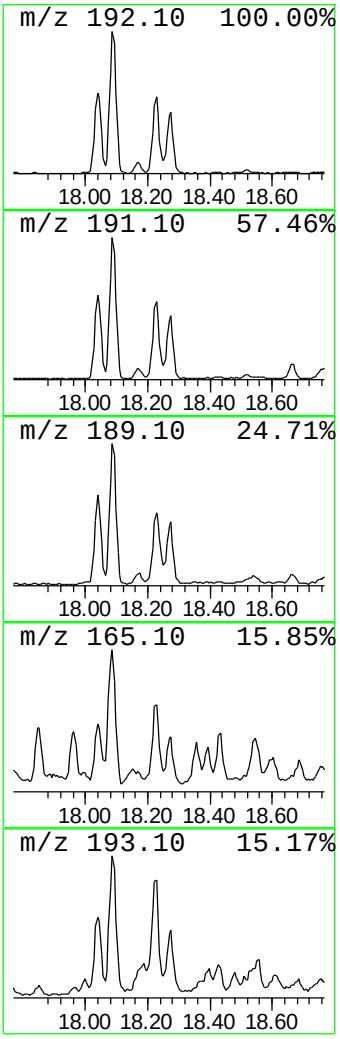
Peak Number 14 1H-Cyclopropa[l]phenanthren... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	2.09 ng/ul	530587	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





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Instrument : BNA_M
ClientSampleId : BD3A7

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Quant Title : SVOA CALIBRATION

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

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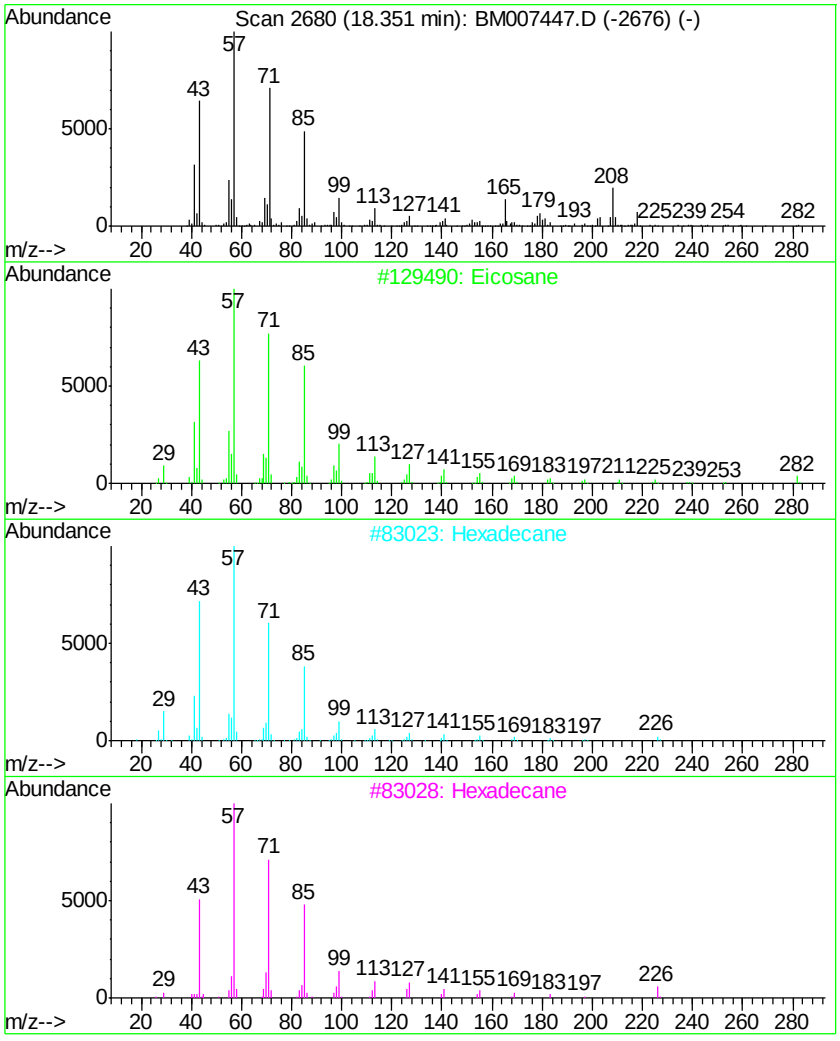
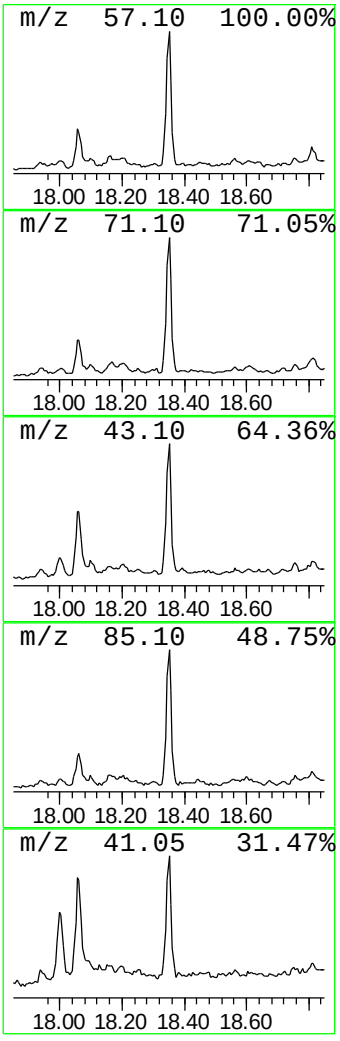
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	2.93 ng/ul	744839	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	97
2	Hexadecane	226	C16H34	000544-76-3	93
3	Hexadecane	226	C16H34	000544-76-3	70
4	Octacosane	394	C28H58	000630-02-4	70
5	Hexacosane	366	C26H54	000630-01-3	70





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ClientSampleId : BD3A7

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Quant Title : SVOA CALIBRATION

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

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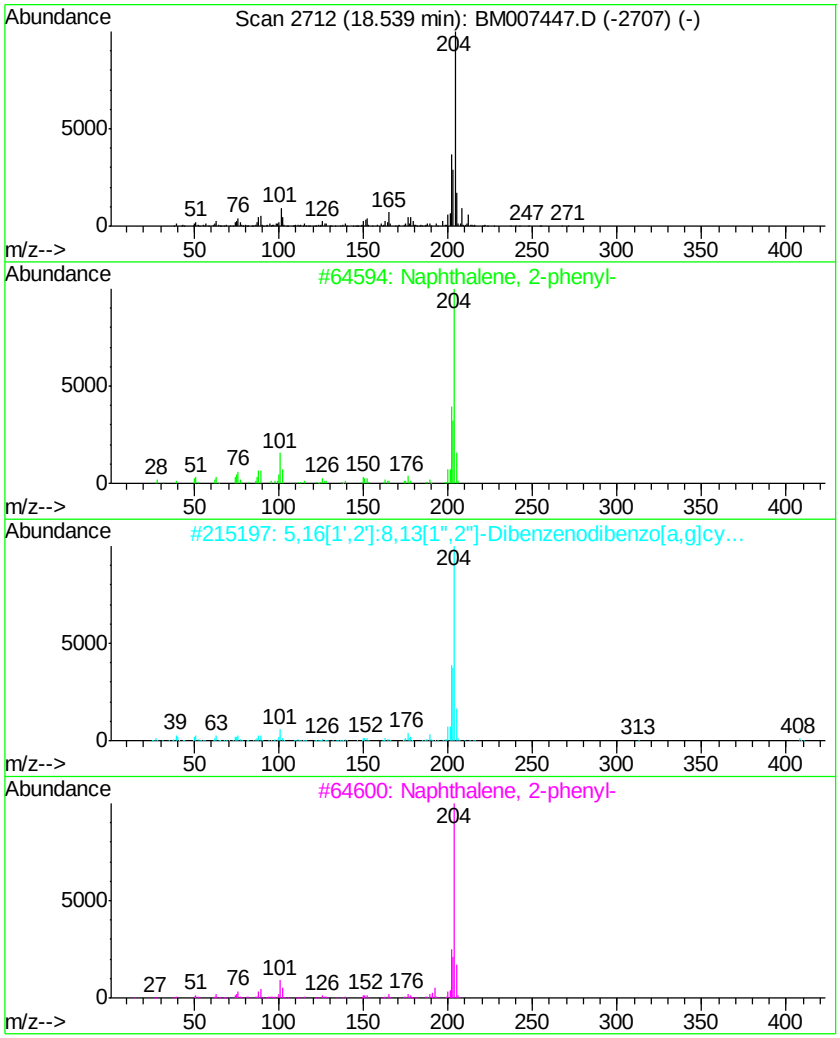
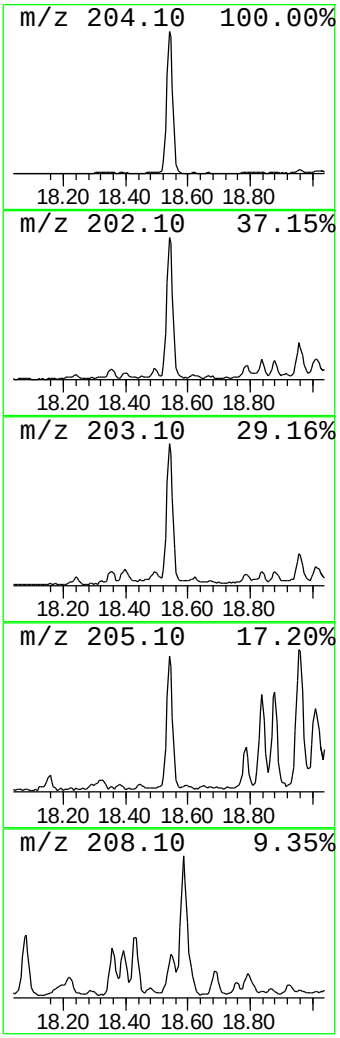
Peak Number 16 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.54	3.83 ng/ul	975524	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





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Quant Title : SVOA CALIBRATION

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

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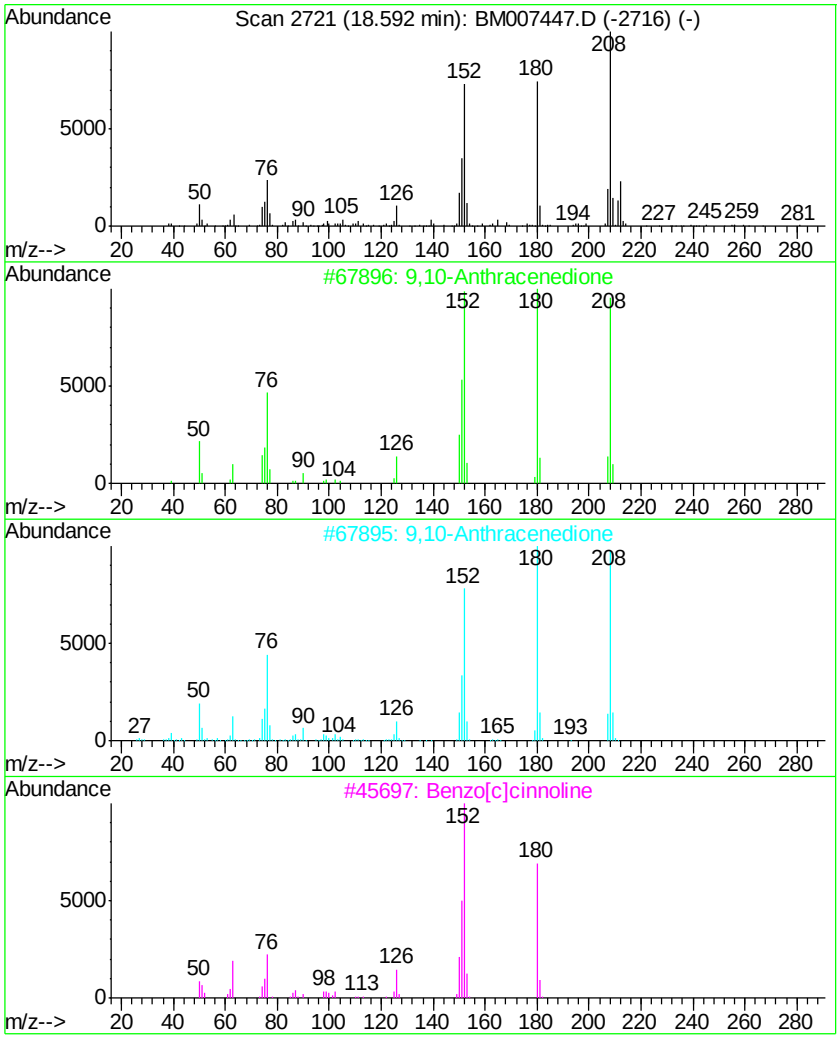
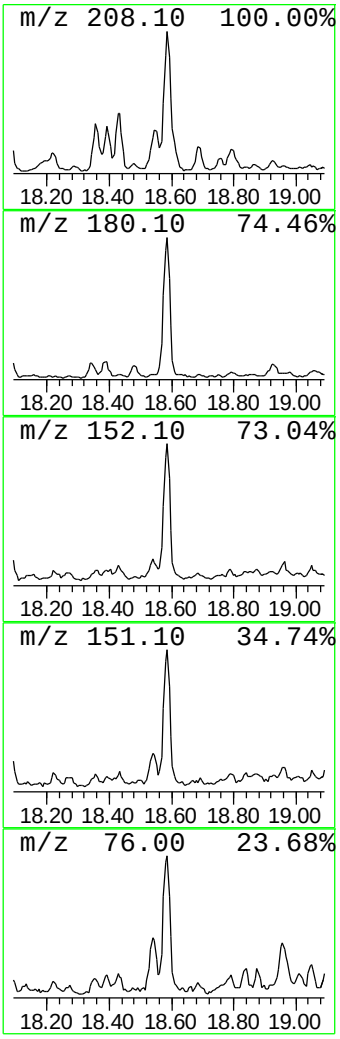
Peak Number 17 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	3.02 ng/ul	768458	Phenanthrene-d10	17.17

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	83
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	76





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Instrument : BNA_M
ClientSampleId : BD3A7

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Quant Title : SVOA CALIBRATION

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

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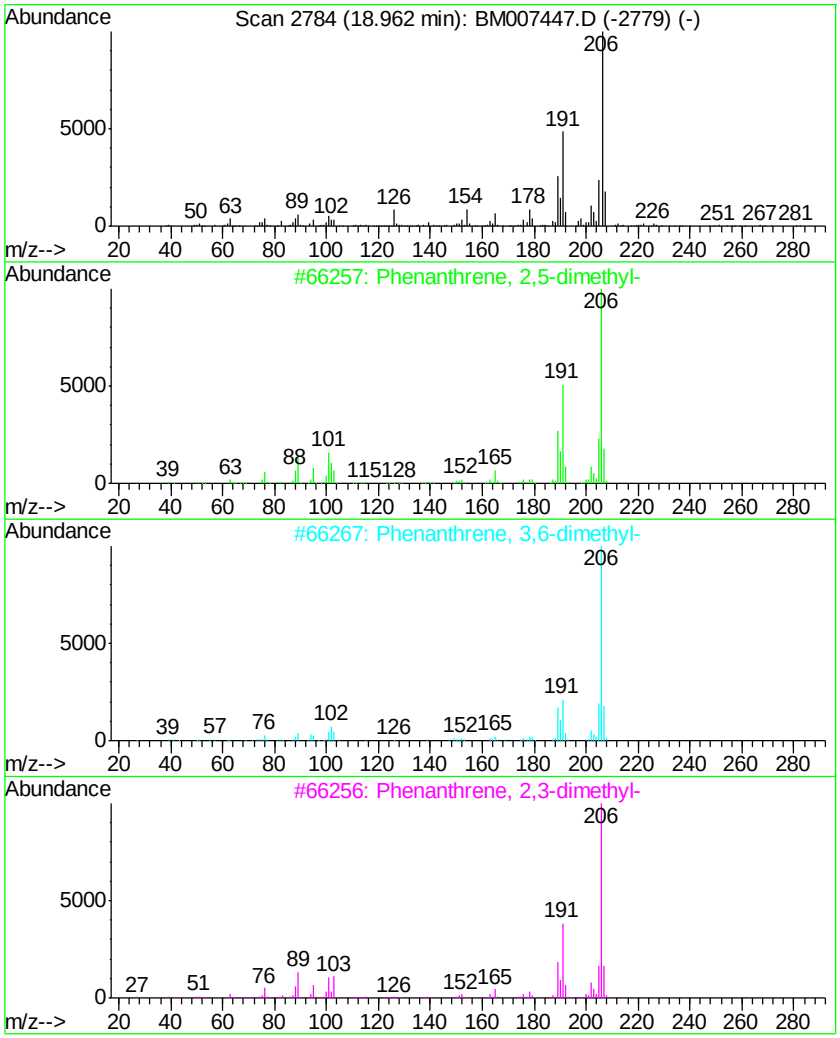
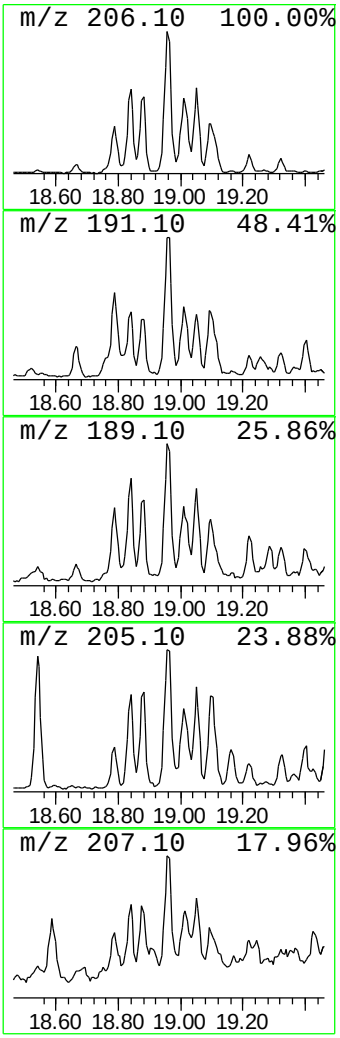
Peak Number 18 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.96	2.69 ng/ul	684032	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	83
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	81





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Data File : BM007447.D
Acq On : 07 Sep 2016 20:06
Operator : UM/SJ
Sample : H4666-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

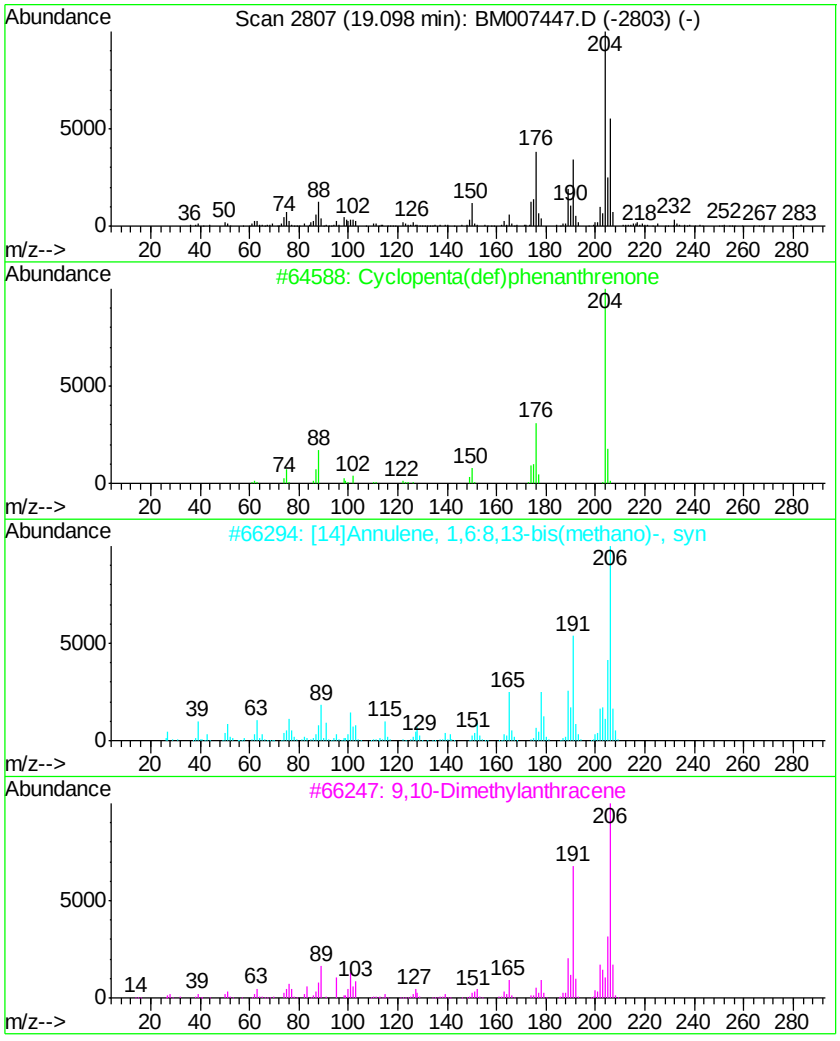
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

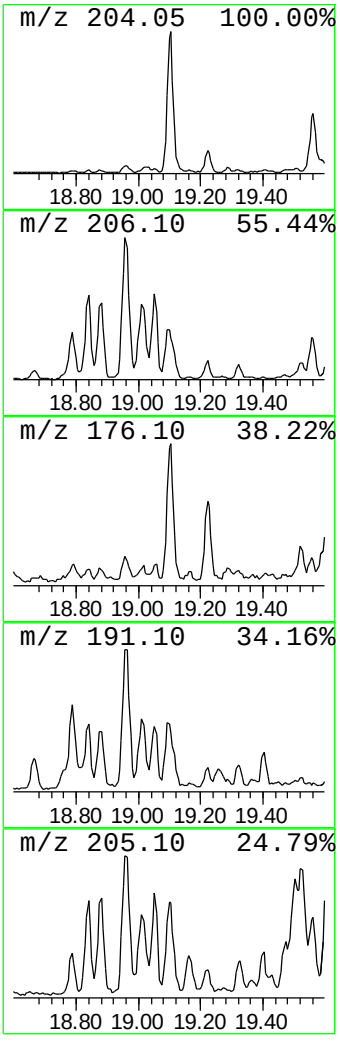
****

Peak Number 19 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.10	2.64 ng/ul	670811	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	78
2	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	46
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	42
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	30





Library Search Compound Report

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Acq On : 07 Sep 2016 20:06
Operator : UM/SJ
Sample : H4666-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

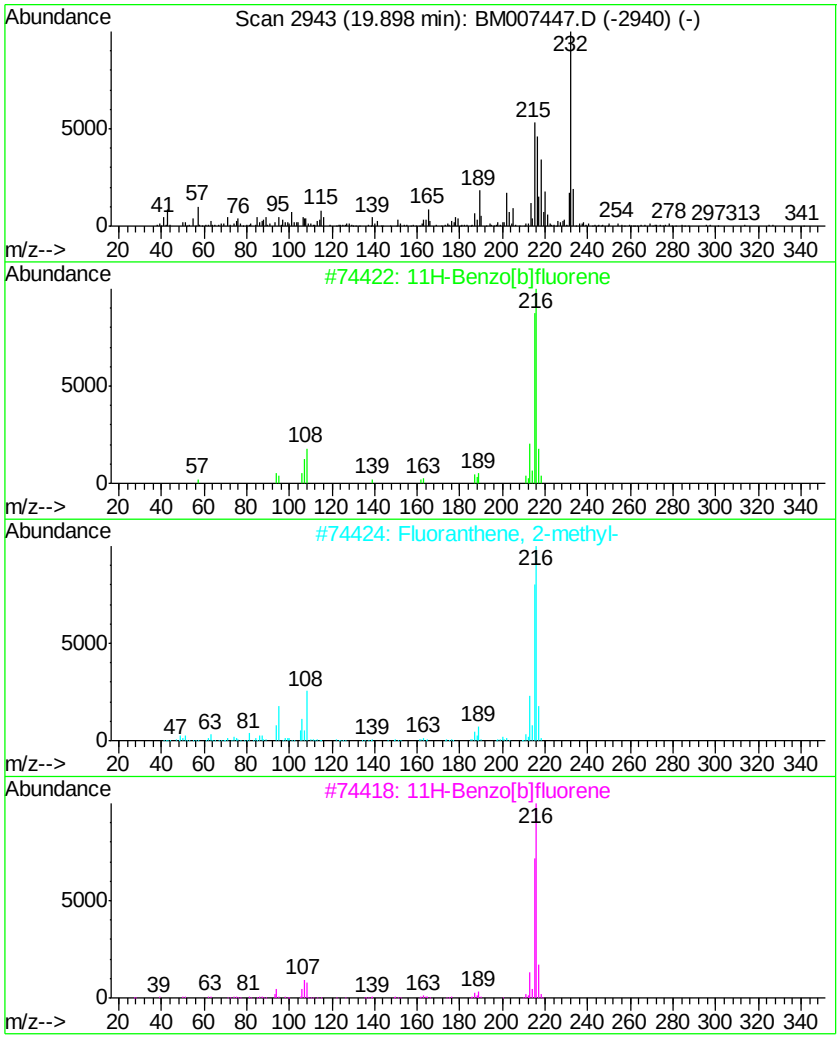
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

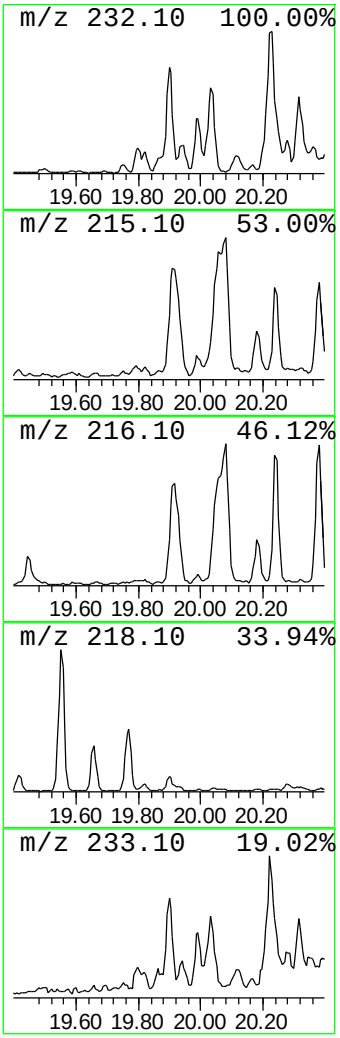
****

Peak Number 20 11H-Benzo[b]fluorene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.90	2.16 ng/ul	1025850	Chrysene-d12	21.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	55
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	55
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	49
4	Azulene, 4,8-dimethyl-6-phenyl-	232	C18H16	042758-88-3	49
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	46





Library Search Compound Report

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ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A7

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Quant Title : SVOA CALIBRATION

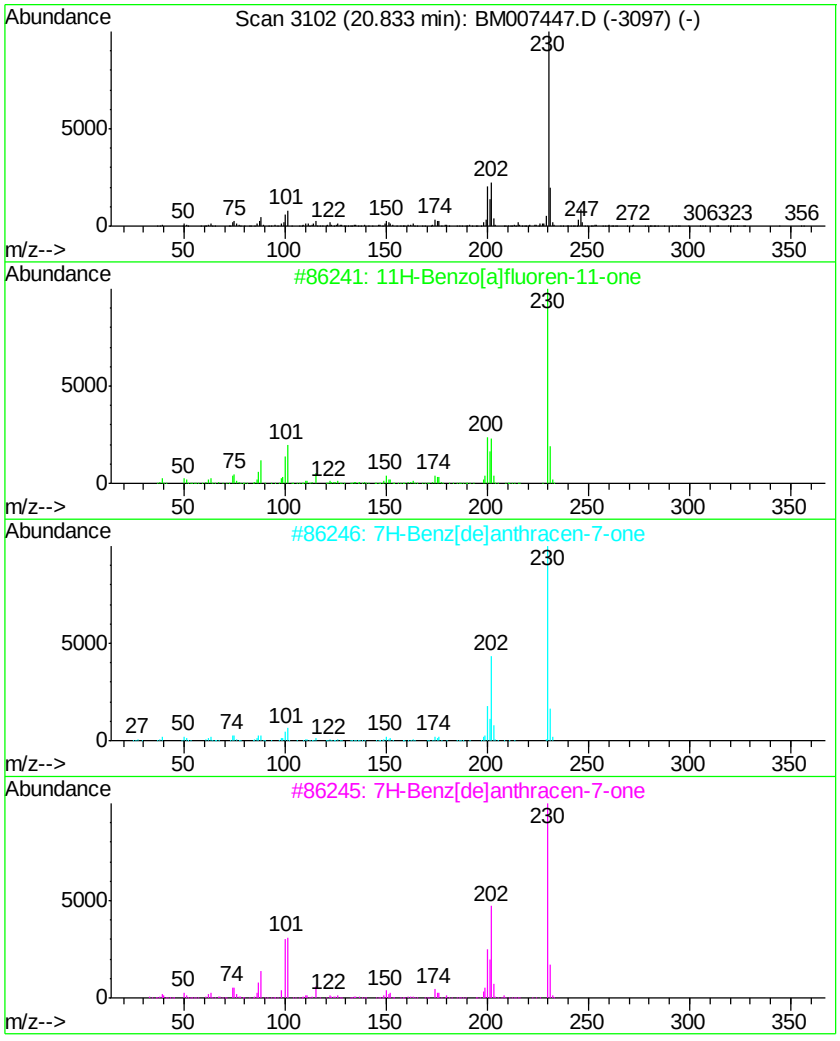
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

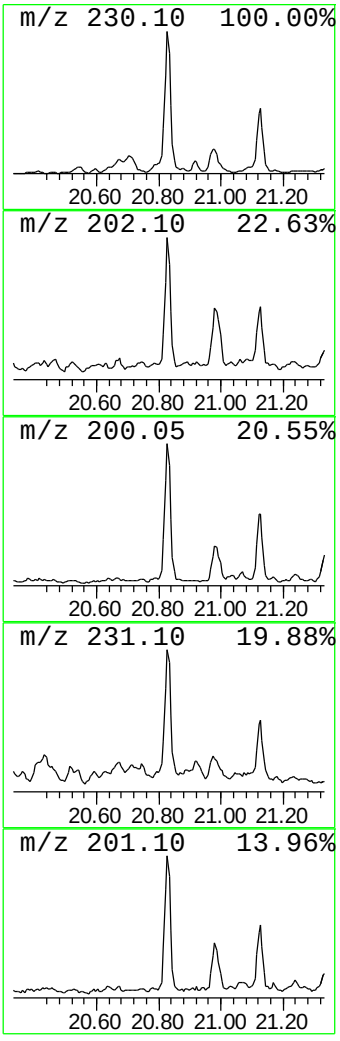
****

Peak Number 21 11H-Benzo[a]fluoren-11-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.83	2.65 ng/ul	1259550	Chrysene-d12	21.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81





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Operator : UM/SJ
Sample : H4666-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A7

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Quant Title : SVOA CALIBRATION

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

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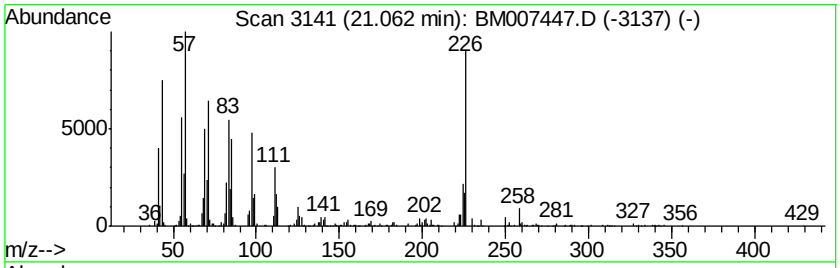
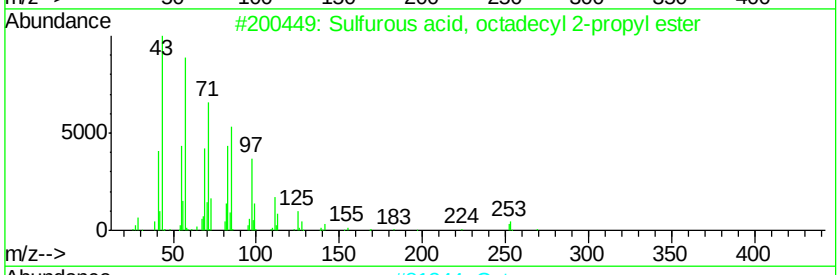
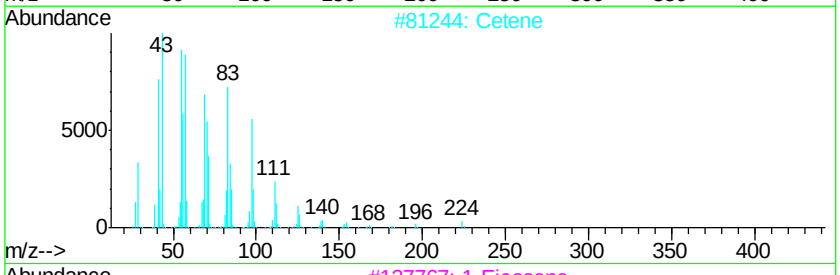
Peak Number 22 Sulfurous acid, octadecyl 2... Concentration Rank 8

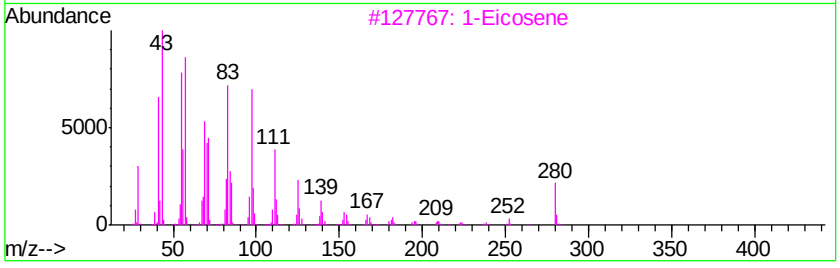
R.T.	EstConc	Area	Relative to ISTD	R.T.
21.06	3.33 ng/ul	1581960	Chrysene-d12	21.35

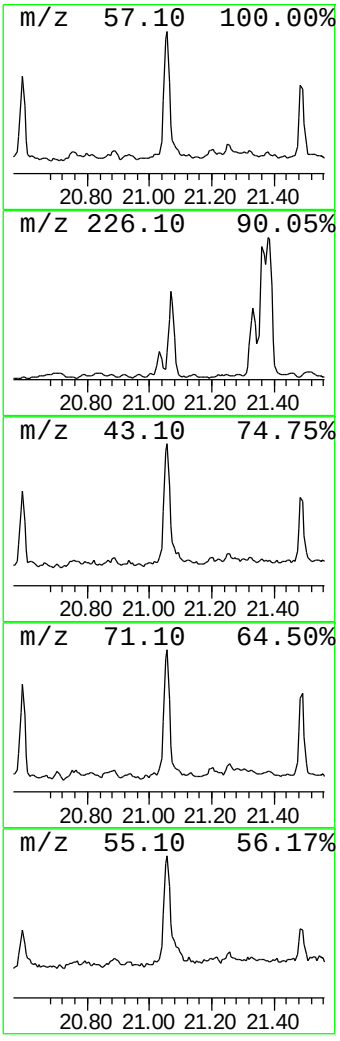
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	91
2	Cetene	224	C16H32	000629-73-2	90
3	1-Eicosene	280	C20H40	003452-07-1	83
4	Hexadecane	226	C16H34	000544-76-3	70
5	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	64











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Acq On : 07 Sep 2016 20:06
Operator : UM/SJ
Sample : H4666-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

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

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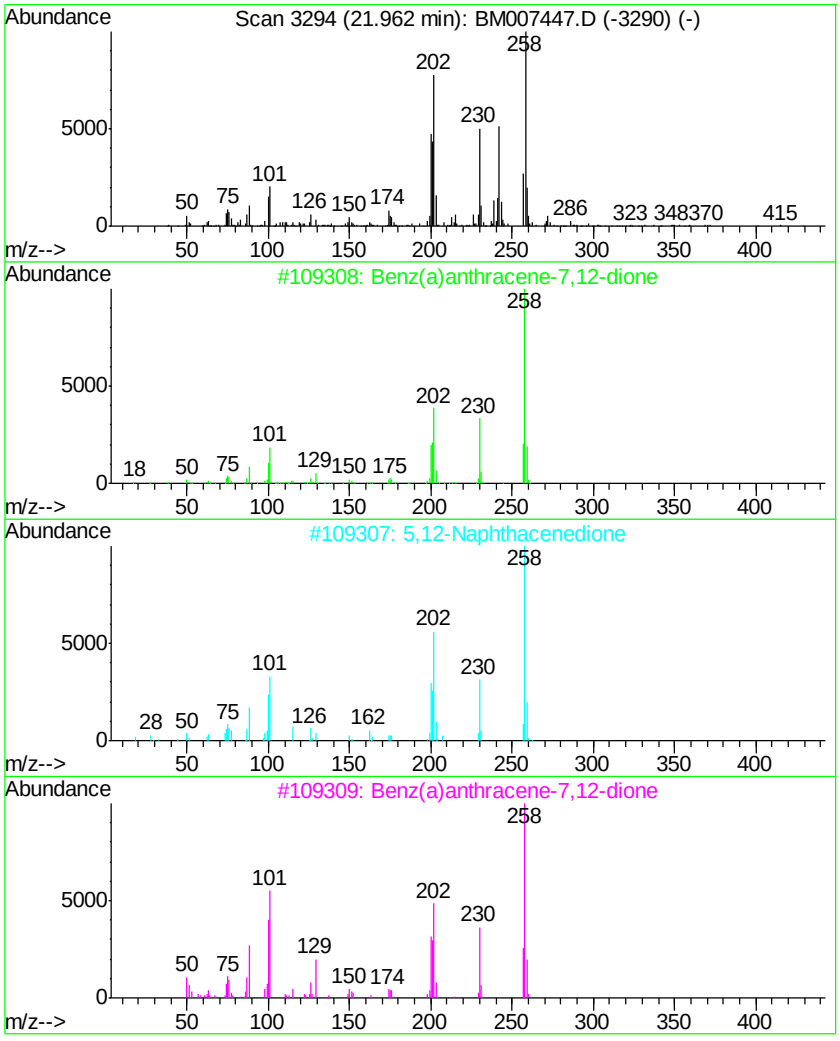
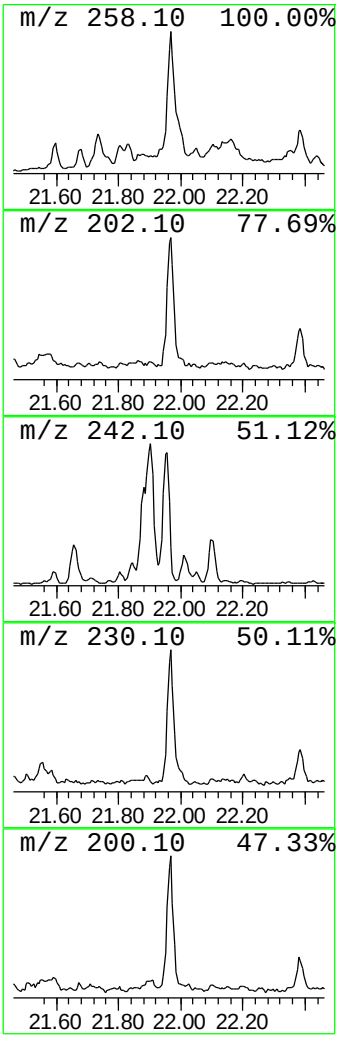
Peak Number 23 Benz(a)anthracene-7,12-dione Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.96	2.18 ng/ul	1036780	Chrysene-d12	21.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	94
2	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	93
3	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	91
4	Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	90
5	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	89





Library Search Compound Report

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Data File : BM007447.D
Acq On : 07 Sep 2016 20:06
Operator : UM/SJ
Sample : H4666-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

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

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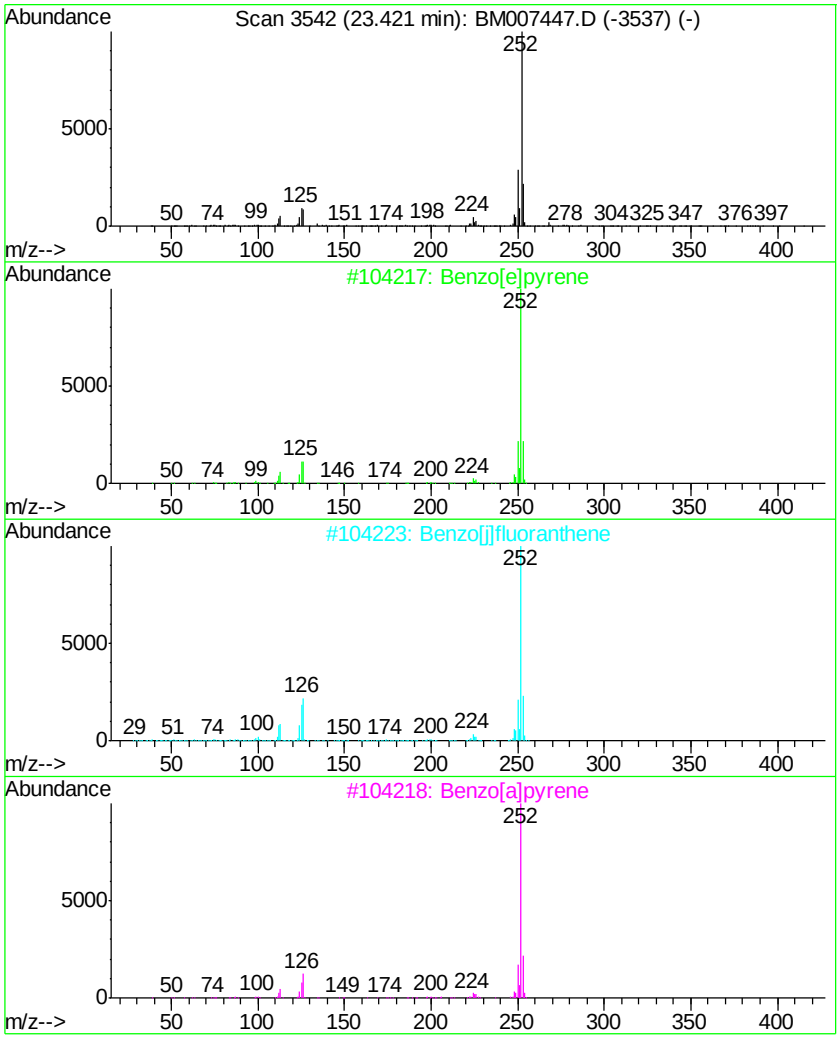
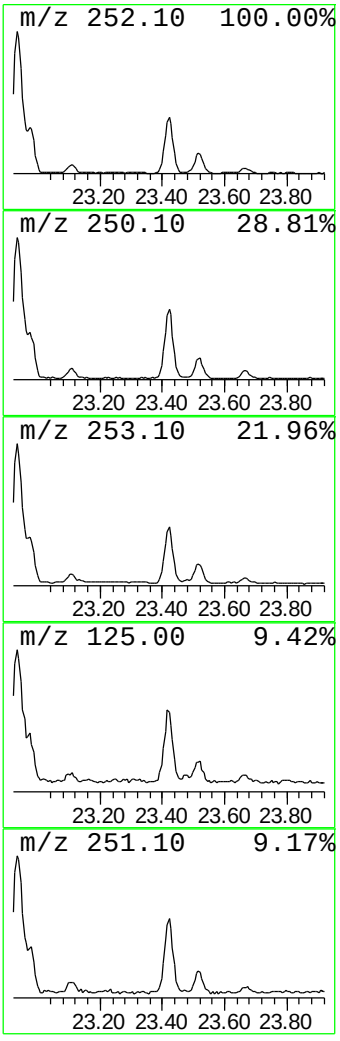
Peak Number 24 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.42	3.86 ng/ul	1063280	Perylene-d12	23.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91





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Operator : UM/SJ
Sample : H4666-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

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

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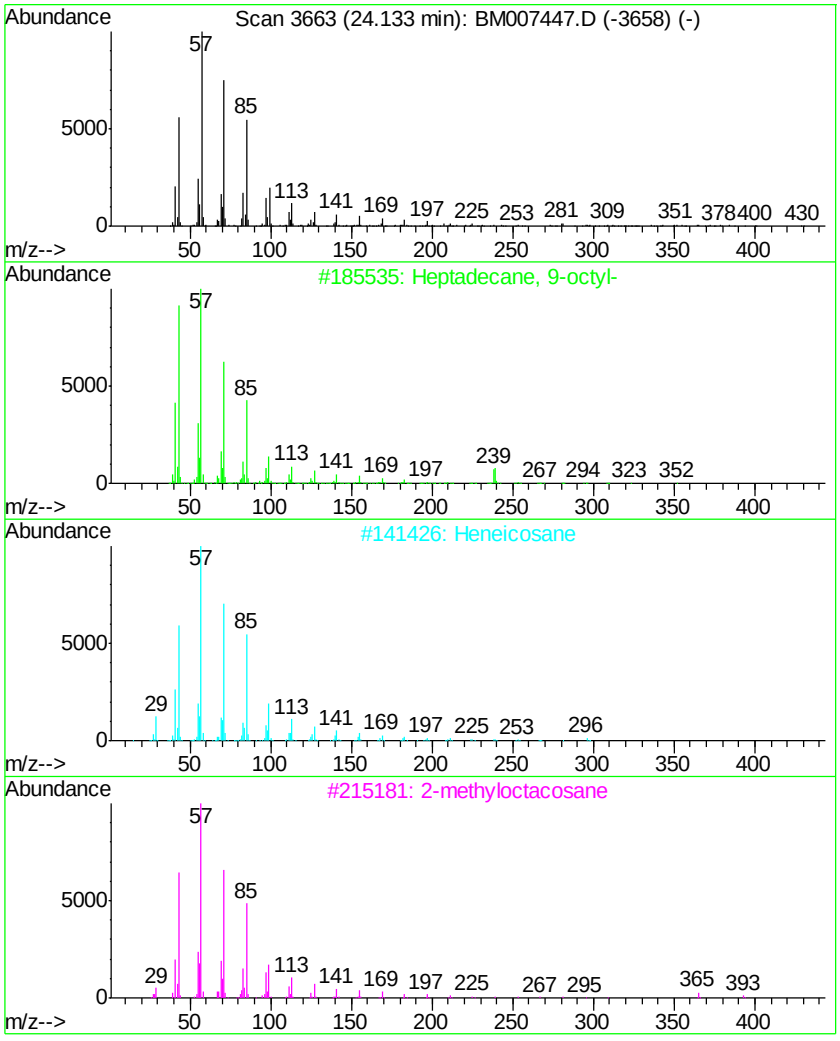
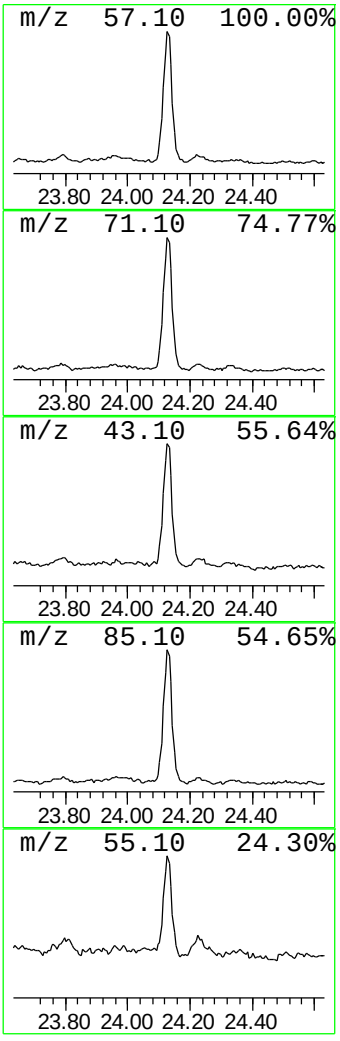
Peak Number 25 Heptadecane, 9-octyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.13	5.52 ng/ul	1521030	Perylene-d12	23.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
2	Heneicosane	296	C21H44	000629-94-7	91
3	2-methyloctacosane	408	C29H60	1000376-72-8	91
4	Heneicosane, 11-decyl-	437	C31H64	055320-06-4	91
5	Tetracosane	338	C24H50	000646-31-1	91





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Sample : H4666-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A7

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Quant Title : SVOA CALIBRATION

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

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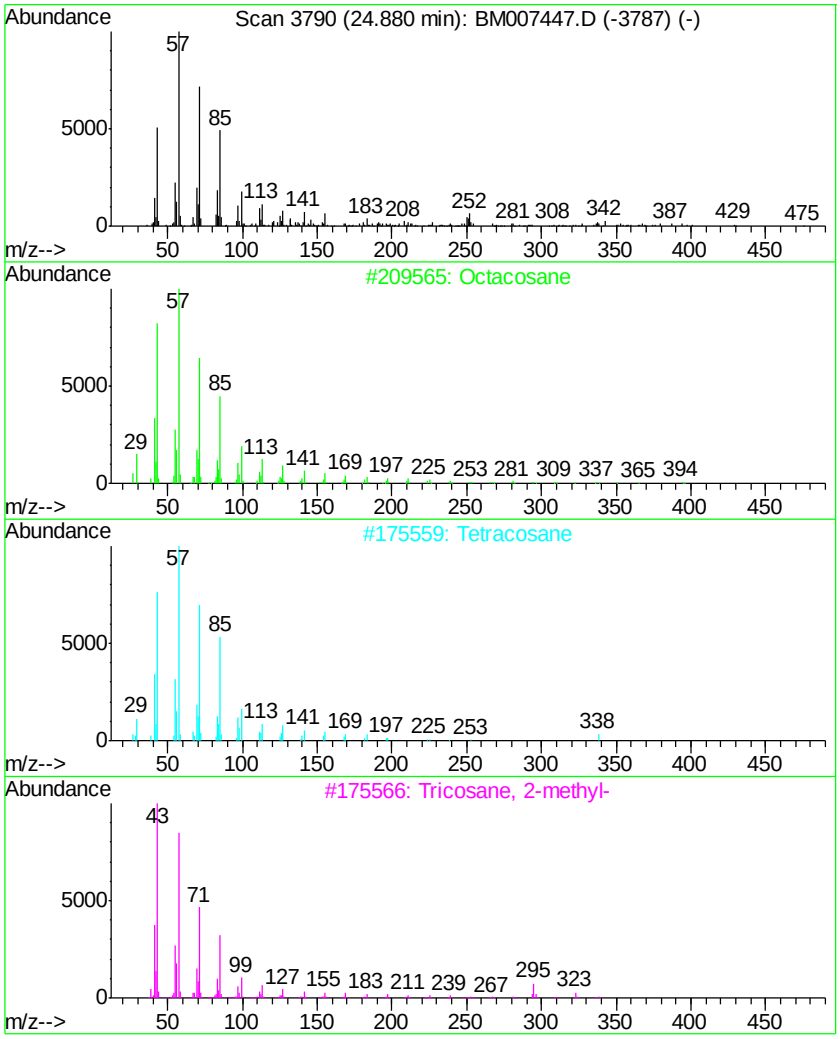
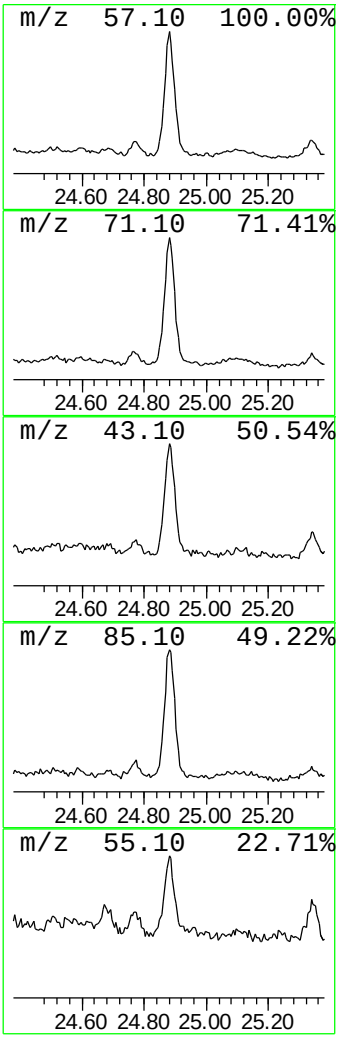
Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.88	2.52 ng/ul	694905	Perylene-d12	23.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	91
2	Tetracosane	338	C24H50	000646-31-1	90
3	Tricosane, 2-methyl-	338	C24H50	001928-30-9	90
4	Tetracosane	338	C24H50	000646-31-1	90
5	Tetracosane	338	C24H50	000646-31-1	90





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ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.M
Quant Title : SVOA CALIBRATION

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

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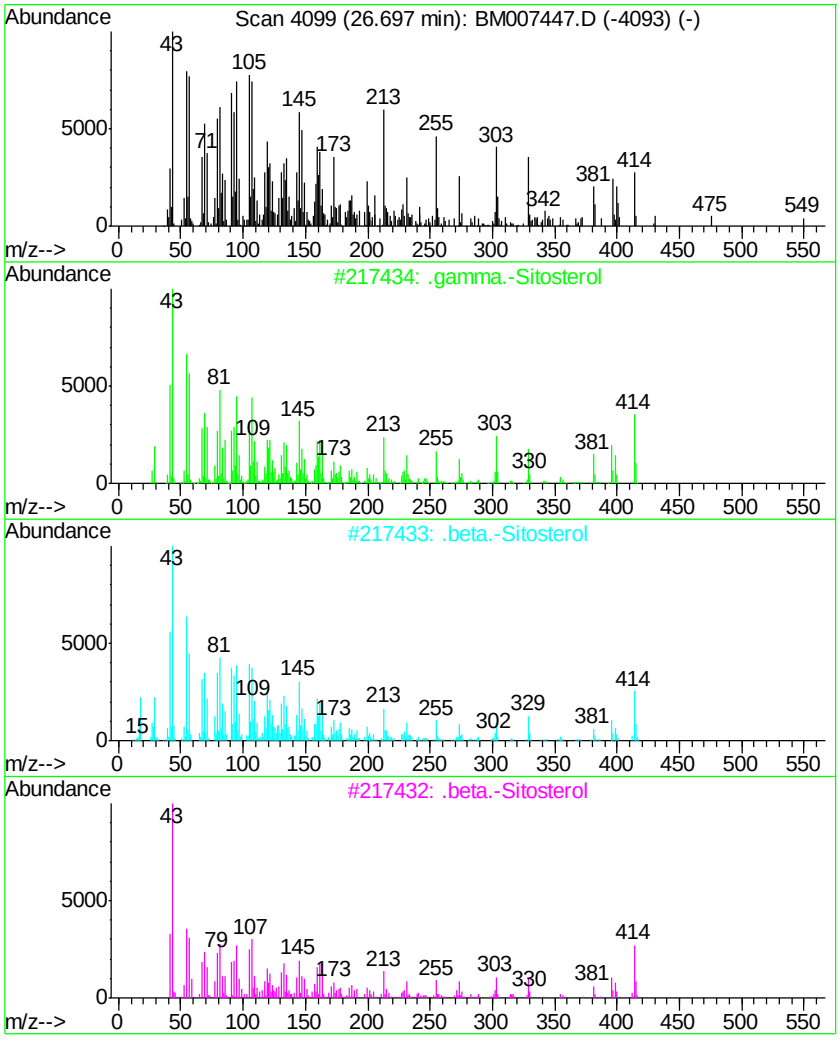
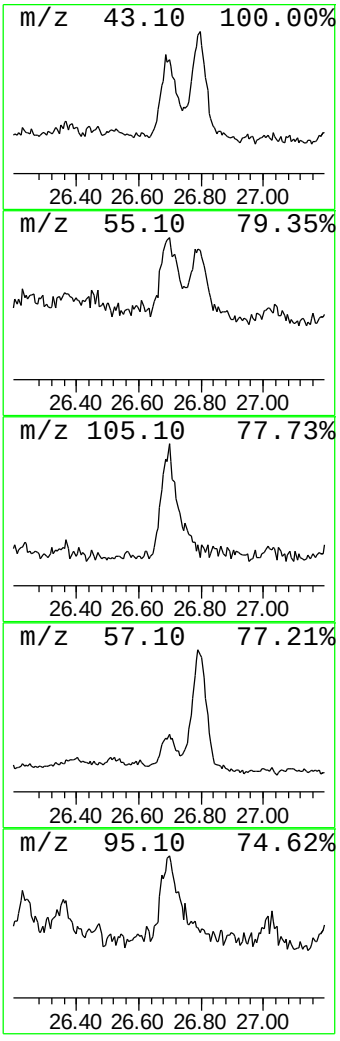
Peak Number 27 .gamma.-Sitosterol Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.70	2.47 ng/ul	679462	Perylene-d12	23.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Sitosterol	414	C29H50O	000083-47-6	91
2	.beta.-Sitosterol	414	C29H50O	000083-46-5	64
3	.beta.-Sitosterol	414	C29H50O	000083-46-5	53
4	Ergost-5-en-3-ol, (3.beta.)-	400	C28H48O	004651-51-8	32
5	5.alpha.-Stigmast-9(11)-en-3.bet...	414	C29H50O	077794-81-1	25





Tentatively Identified Compound (LSC) summary

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Data File : BM007447.D
Acq On : 07 Sep 2016 20:06
Operator : UM/SJ
Sample : H4666-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BD3A7

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM082316.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
Naphthalene, 1-me...	12.46	4.5	ng/ul	564414	2	10.57	2515820	20.0
Naphthalene, 2,3-...	13.74	2.5	ng/ul	511576	3	14.42	4049910	20.0
(DEL) Alkane: Str...	15.27	2.5	ng/ul	511793	3	14.42	4049910	20.0
2,4,6-Cycloheptat...	15.77	2.5	ng/ul	505723	3	14.42	4049910	20.0
9H-Fluoren-9-ol	15.92	2.5	ng/ul	625070	4	17.17	5088470	20.0
(DEL) Alkane: Str...	16.13	3.4	ng/ul	868495	4	17.17	5088470	20.0
unknown-01	16.70	2.1	ng/ul	523259	4	17.17	5088470	20.0
9H-Fluoren-9-one	16.82	2.9	ng/ul	733636	4	17.17	5088470	20.0
1-Octadecanesulph...	16.93	8.1	ng/ul	2068520	4	17.17	5088470	20.0
Phenanthrene, 1-m...	18.04	3.0	ng/ul	773575	4	17.17	5088470	20.0
Phenanthrene, 2-m...	18.09	5.7	ng/ul	1460350	4	17.17	5088470	20.0
Anthracene, 1-met...	18.23	2.6	ng/ul	666358	4	17.17	5088470	20.0
1H-Cyclopropa[l]p...	18.27	2.1	ng/ul	530587	4	17.17	5088470	20.0
(DEL) Alkane: Str...	18.35	2.9	ng/ul	744839	4	17.17	5088470	20.0
Naphthalene, 2-ph...	18.54	3.8	ng/ul	975524	4	17.17	5088470	20.0
9,10-Anthracenedione	18.59	3.0	ng/ul	768458	4	17.17	5088470	20.0
Phenanthrene, 2,5...	18.96	2.7	ng/ul	684032	4	17.17	5088470	20.0
Cyclopenta(def)ph...	19.10	2.6	ng/ul	670811	4	17.17	5088470	20.0
11H-Benzo[b]fluorene	19.90	2.2	ng/ul	1025850	5	21.35	9494660	20.0
11H-Benzo[a]fluor...	20.83	2.6	ng/ul	1259550	5	21.35	9494660	20.0
Sulfurous acid, o...	21.06	3.3	ng/ul	1581960	5	21.35	9494660	20.0
Benz(a)anthracene...	21.96	2.2	ng/ul	1036780	5	21.35	9494660	20.0
Benzo[e]pyrene	23.42	3.9	ng/ul	1063280	6	23.62	5511510	20.0
Heptadecane, 9-oc...	24.13	5.5	ng/ul	1521030	6	23.62	5511510	20.0
(DEL) Alkane: Str...	24.88	2.5	ng/ul	694905	6	23.62	5511510	20.0
.gamma.-Sitosterol	26.70	2.5	ng/ul	679462	6	23.62	5511510	20.0