LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062416\
Data File : BM005983.D
Acq On : 25 Jun 2016 01:37
Operator : UM/SJ
Sample : H3612-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z31

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-BM062216.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.440	141	145	151	rBV	114139	155603	1.40%	0.088%
2	3.687	182	187	194	rVB	93526	117794	1.06%	0.067%
3	6.834	713	722	737	rBV	1004671	1743704	15.67%	0.990%
4	6.998	743	750	762	rBV	721620	1161380	10.44%	0.660%
5	7.192	775	783	792	rBV	1006505	1597543	14.35%	0.907%
6	7.663	855	863	871	rBV	1165353	1915011	17.21%	1.087%
7	8.198	948	954	964	rBV2	72593	149242	1.34%	0.085%
8	8.363	973	982	992	rBV	1168782	1935786	17.39%	1.099%
9	8.475	996	1001	1008	rVB	107623	176744	1.59%	0.100%
10	8.810	1051	1058	1068	rBV	926921	1573303	14.14%	0.893%
11	9.527	1169	1180	1188	rBV	791367	1351808	12.15%	0.768%
12	10.063	1263	1271	1282	rBV	1235242	2069782	18.60%	1.175%
13	10.439	1327	1335	1342	rBV	1613863	2908939	26.14%	1.652%
14	10.580	1349	1359	1378	rBV	568088	1122519	10.09%	0.637%
15	13.721	1887	1893	1897	rBV	1838681	2685363	24.13%	1.525%
16	13.768	1897	1901	1909	rVB	1623616	2276141	20.45%	1.293%
17	13.998	1929	1940	1952	rBV	2179647	3635031	32.66%	2.064%
18	14.310	1982	1993	1999	rBV2	2182136	3523357	31.66%	2.001%
19	14.368	1999	2003	2011	rVB	236250	365375	3.28%	0.207%
20	14.504	2019	2026	2034	rBV	972751	1507348	13.54%	0.856%
21	14.710	2056	2061	2070	rVB	197247	347697	3.12%	0.197%
22	15.121	2119	2131	2136	rBV3	50047	116264	1.04%	0.066%
23	15.304	2155	2162	2168	rBV	2847105	4126537	37.08%	2.343%
24	15.357	2168	2171	2177	rVV	207848	315514	2.84%	0.179%
25	15.421	2177	2182	2190	rVV	862586	1198087	10.77%	0.680%
26	15.656	2217	2222	2226	rBV	96793	142091	1.28%	0.081%
27	15.798	2241	2246	2254	rVB	127899	261309	2.35%	0.148%
28	16.033	2280	2286	2295	rBV3	136864	272063	2.44%	0.154%
29	16.709	2396	2401	2409	rVB	606203	873620	7.85%	0.496%
30	16.792	2409	2415	2416	rBV	83517	129907	1.17%	0.074%
31	16.827	2419	2421	2425	rVV2	111850	174680	1.57%	0.099%
32	16.874	2425	2429	2437	rVB	244036	368962	3.32%	0.210%
33	17.056	2454	2460	2463	rBV	2624145	3929477	35.31%	2.231%
34	17.098	2463	2467	2472	rVV	4897259	7173278	64.45%	4.073%

LSC Area Percent Report

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Misc :
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Instrument : BNA_M
ClientSampleId : D9Z31

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-BM062216.M
Title : SVOA CALIBRATION

35	17.156	2472	2477	2480	rVV	2955476	4382884	39.38%	2.489%
36	17.186	2480	2482	2487	rVV	698366	865845	7.78%	0.492%
37	17.245	2487	2492	2498	rVB3	107488	179846	1.62%	0.102%
38	17.456	2519	2528	2533	rBV2	686784	1234398	11.09%	0.701%
39	17.574	2543	2548	2554	rBV3	145403	250856	2.25%	0.142%
40	17.633	2554	2558	2568	rVV3	125947	203326	1.83%	0.115%
41	17.927	2600	2608	2611	rVV	528980	914567	8.22%	0.519%
42	17.974	2611	2616	2623	rVV2	931163	1792612	16.11%	1.018%
43	18.056	2627	2630	2635	rVV2	122128	201668	1.81%	0.115%
44	18.121	2636	2641	2645	rVV2	580106	1112290	9.99%	0.632%
45	18.162	2645	2648	2654	rVB	364591	501688	4.51%	0.285%
46	18.439	2690	2695	2697	rBV	479868	687668	6.18%	0.391%
47	18.474	2697	2701	2707	rVB	1029361	1471250	13.22%	0.835%
48	18.856	2762	2766	2770	rBV	375498	542025	4.87%	0.308%
49	18.992	2785	2789	2797	rVB	768874	1238391	11.13%	0.703%
50	19.121	2805	2811	2817	rVB	7849422	11129238	100.00%	6.320%
51	19.315	2842	2844	2848	rBV	146213	186506	1.68%	0.106%
52	19.456	2862	2868	2870	rBV2	3990173	6593568	59.25%	3.744%
53	19.486	2870	2873	2880	rVV	6429344	8532944	76.67%	4.846%
54	19.556	2881	2885	2891	rVB2	381867	611735	5.50%	0.347%
55	19.662	2899	2903	2908	rBV	486566	629971	5.66%	0.358%
56	19.721	2909	2913	2919	rVB	456394	709722	6.38%	0.403%
57	19.815	2923	2929	2934	rBV2	456528	1100625	9.89%	0.625%
58	19.944	2946	2951	2953	rBV3	459017	806543	7.25%	0.458%
59	19.974	2954	2956	2961	rVB	676655	893852	8.03%	0.508%
60	20.080	2971	2974	2977	rVB	258565	290026	2.61%	0.165%
61	20.133	2978	2983	2988	rBV2	713406	1190079	10.69%	0.676%
62	20.280	3005	3008	3011	rVB	249213	295317	2.65%	0.168%
63	20.727	3080	3084	3091	rVB	1497077	1979268	17.78%	1.124%
64	20.891	3106	3112	3116	rBV2	909554	1805337	16.22%	1.025%
65	20.933	3116	3119	3122	rVV	775418	967511	8.69%	0.549%
66	20.968	3122	3125	3130	rVV2	1372289	2168334	19.48%	1.231%
67	21.021	3131	3134	3140	rVB	1212447	1675296	15.05%	0.951%
68	21.238	3166	3171	3176	rBV3	4278330	9182366	82.51%	5.214%
69	21.286	3176	3179	3190	rVB	4239180	5755040	51.71%	3.268%
70	21.403	3196	3199	3204	rBV2	388054	664606	5.97%	0.377%
71	21.556	3221	3225	3230	rBV2	645219	1110755	9.98%	0.631%

LSC Area Percent Report

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Misc :
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Instrument : BNA_M
ClientSampleId : D9Z31

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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062216.M
Title : SVOA CALIBRATION

72	21.797	3263	3266	3270	rVB	584931	761262	6.84%	0.432%
73	21.856	3271	3276	3281	rVV2	1110972	1792565	16.11%	1.018%
74	21.991	3296	3299	3302	rBV	297446	343796	3.09%	0.195%
75	22.809	3431	3438	3442	rBV2	4659283	10108717	90.83%	5.740%
76	22.974	3462	3466	3472	rVB	495417	782873	7.03%	0.445%
77	23.103	3485	3488	3496	rVB2	241647	474749	4.27%	0.270%
78	23.280	3512	3518	3522	rBV	1981849	3703718	33.28%	2.103%
79	23.327	3522	3526	3530	rVV2	1941758	3683061	33.09%	2.091%
80	23.374	3530	3534	3541	rVB	2477605	4509483	40.52%	2.561%
81	23.468	3544	3550	3555	rBV	2082844	3842631	34.53%	2.182%
82	24.003	3634	3641	3649	rVB	2059679	4113213	36.96%	2.336%
83	24.085	3651	3655	3666	rVB5	350593	836760	7.52%	0.475%
84	24.732	3761	3765	3772	rVB	451904	964200	8.66%	0.548%
85	25.597	3905	3912	3919	rBV2	627790	1858976	16.70%	1.056%
86	25.685	3920	3927	3942	rVB2	1411069	4169882	37.47%	2.368%
87	26.362	4035	4042	4051	rBV	864126	2424835	21.79%	1.377%
88	26.473	4052	4061	4073	rVB2	1315239	3939007	35.39%	2.237%
89	28.020	4316	4324	4340	rVB4	701801	2528591	22.72%	1.436%

Sum of corrected areas: 176097531

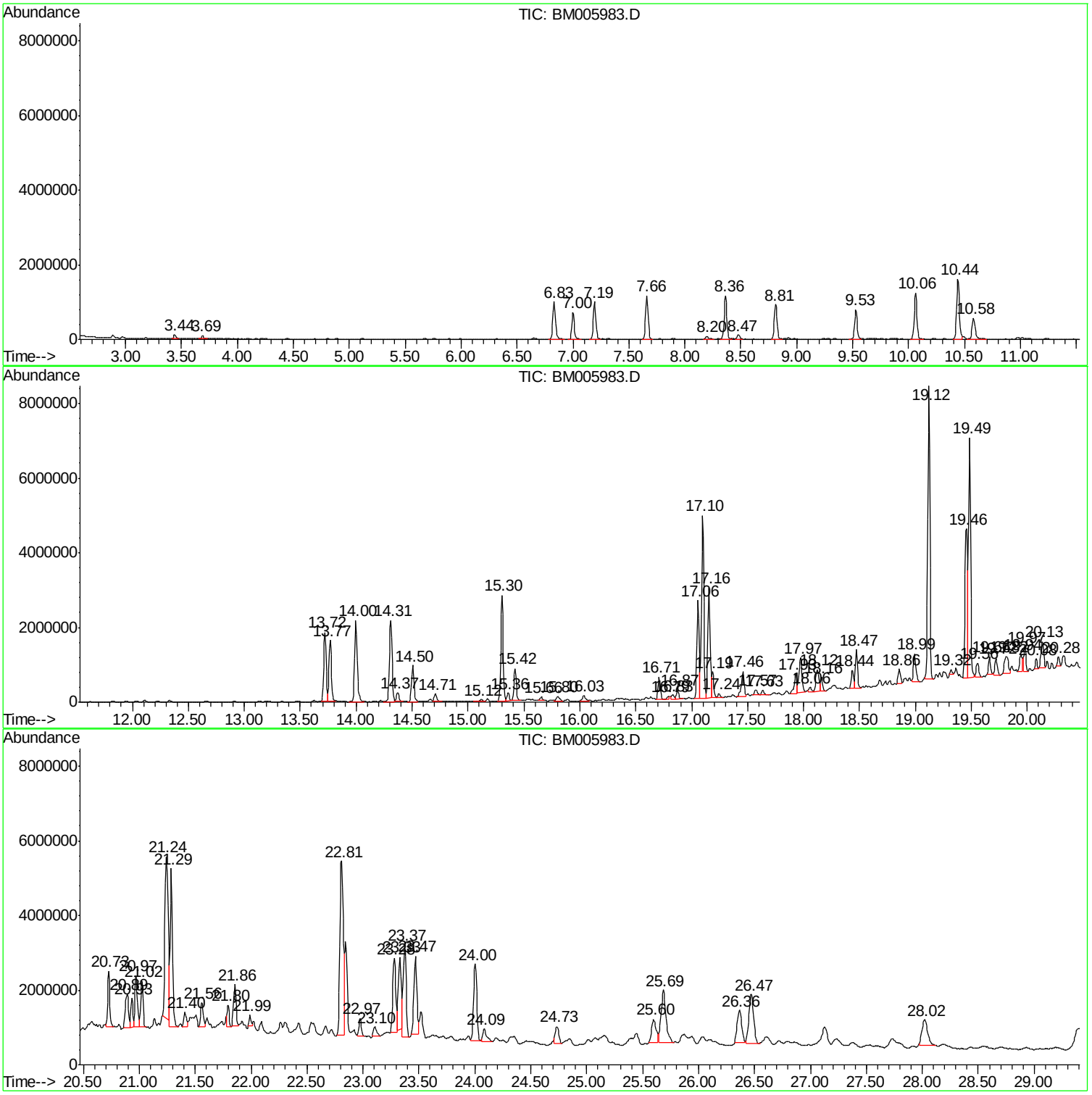
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062416\
Data File : BM005983.D
Acq On : 25 Jun 2016 01:37
Operator : UM/SJ
Sample : H3612-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z31

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062216.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062416\
Data File : BM005983.D
Acq On : 25 Jun 2016 01:37
Operator : UM/SJ
Sample : H3612-13
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Instrument : BNA_M
ClientSampleId : D9Z31

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062216.M
Quant Title : SVOA CALIBRATION

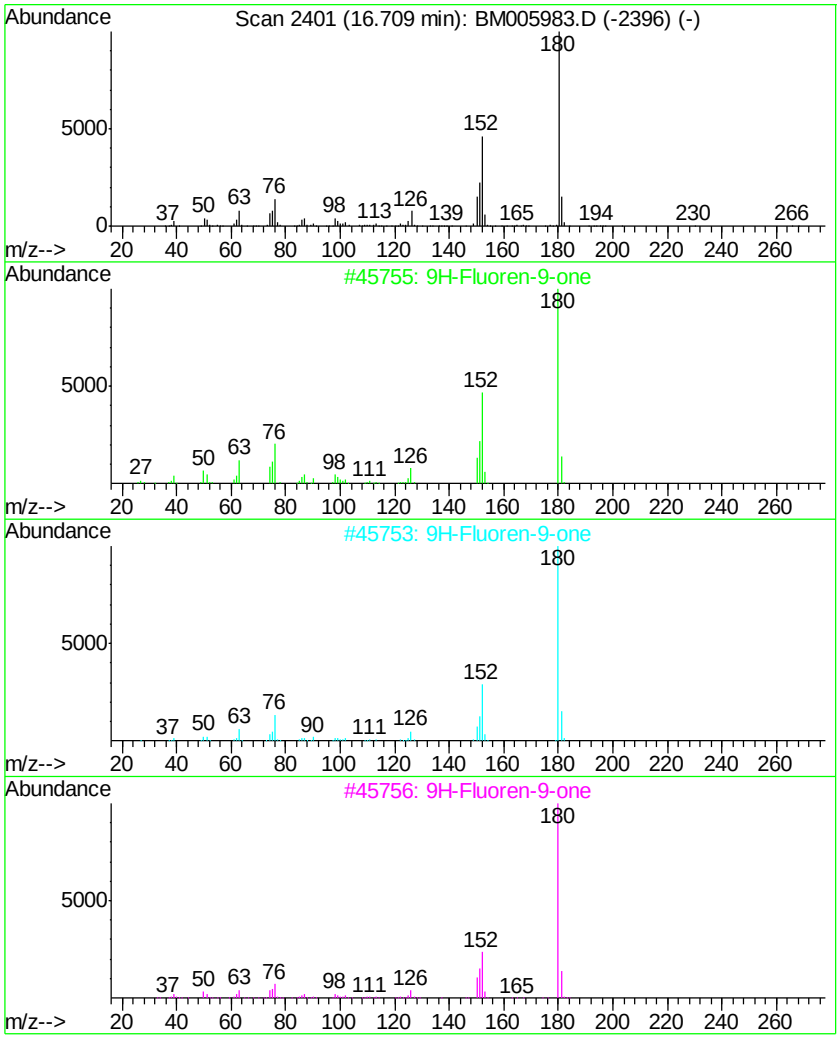
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

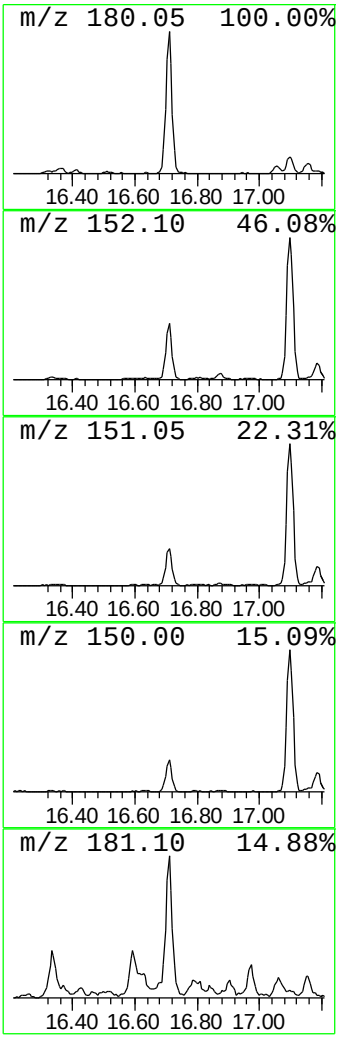
****

Peak Number 1 9H-Fluoren-9-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.71	4.45 ng/ul	873620	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062416\
Data File : BM005983.D
Acq On : 25 Jun 2016 01:37
Operator : UM/SJ
Sample : H3612-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z31

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062216.M
Quant Title : SVOA CALIBRATION

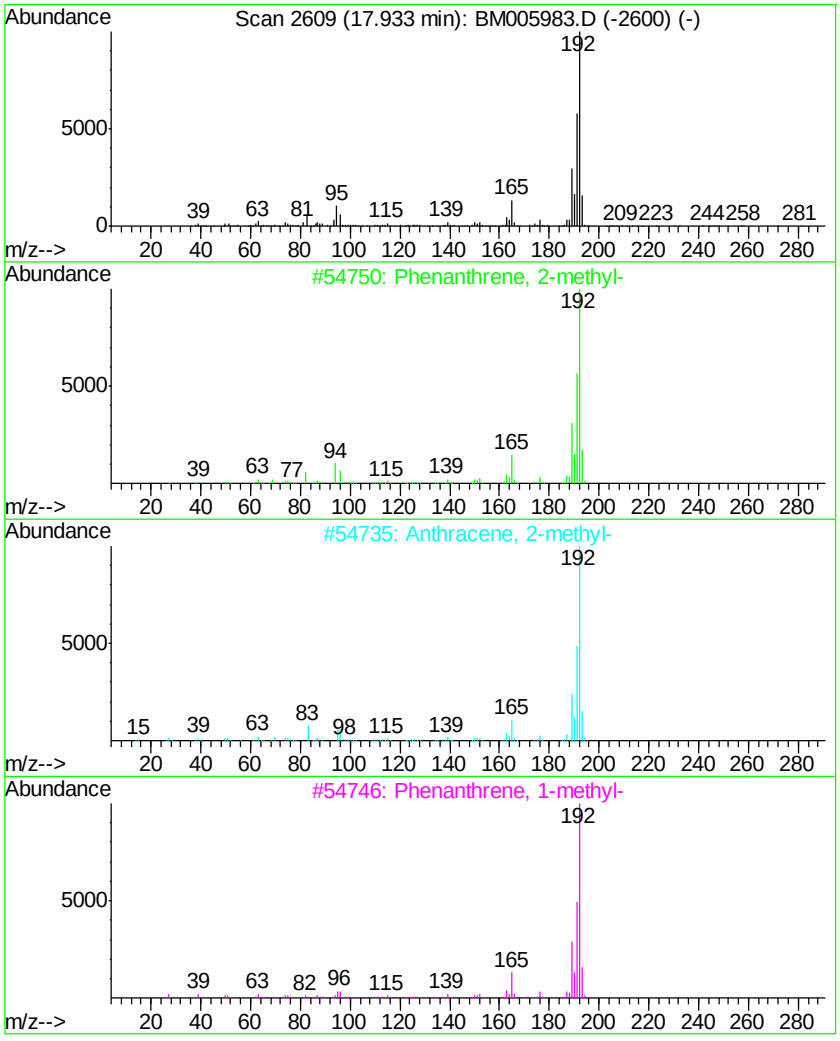
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

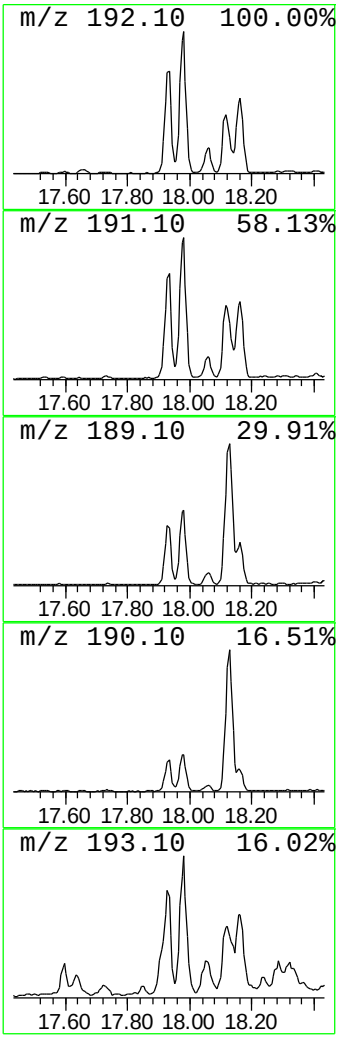
****

Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	4.65 ng/ul	914567	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97





Library Search Compound Report

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Operator : UM/SJ
Sample : H3612-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z31

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062216.M
Quant Title : SVOA CALIBRATION

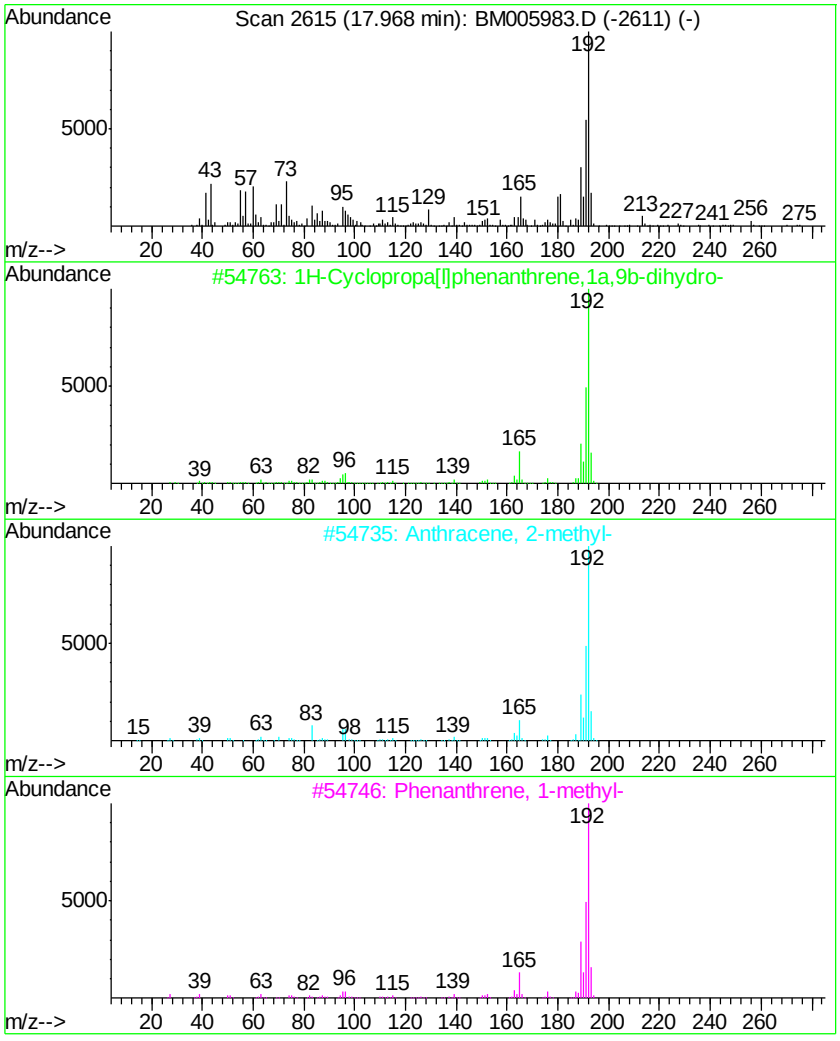
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

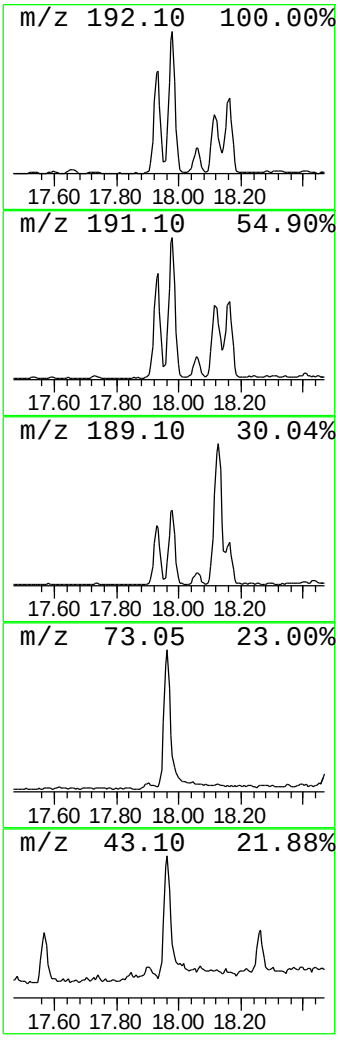
****

Peak Number 3 1H-Cyclopropa[l]phenanthren... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	9.12 ng/ul	1792610	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





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Acq On : 25 Jun 2016 01:37
Operator : UM/SJ
Sample : H3612-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z31

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062216.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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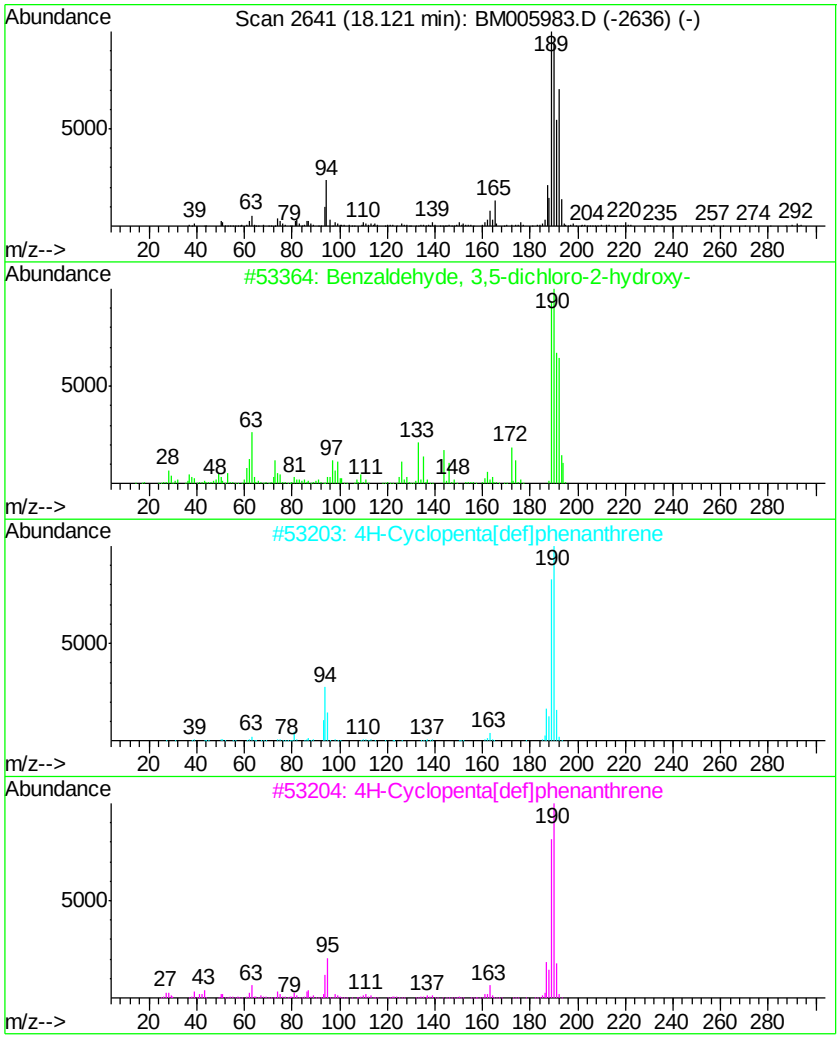
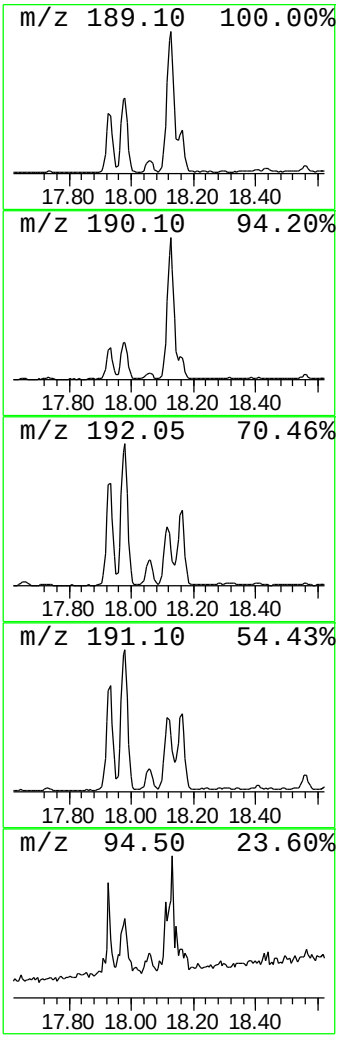
****

Peak Number 4 Benzaldehyde, 3,5-dichloro-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	5.66 ng/ul	1112290	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35





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Sample : H3612-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z31

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062216.M
Quant Title : SVOA CALIBRATION

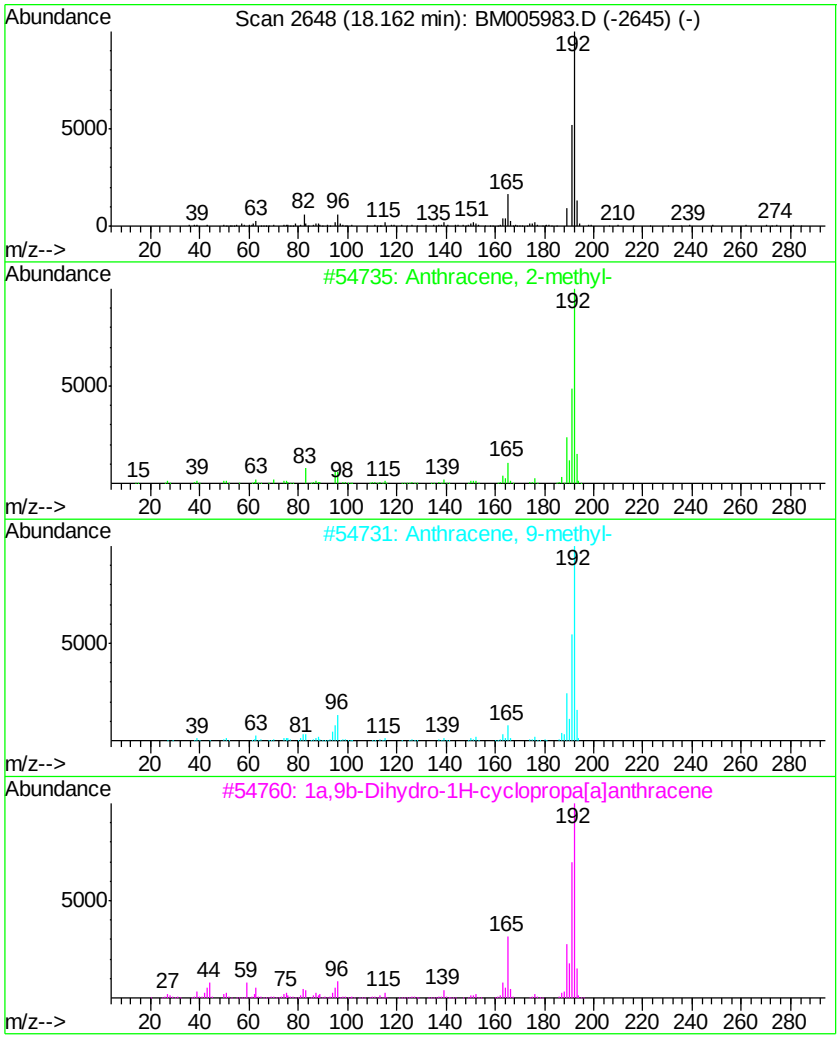
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

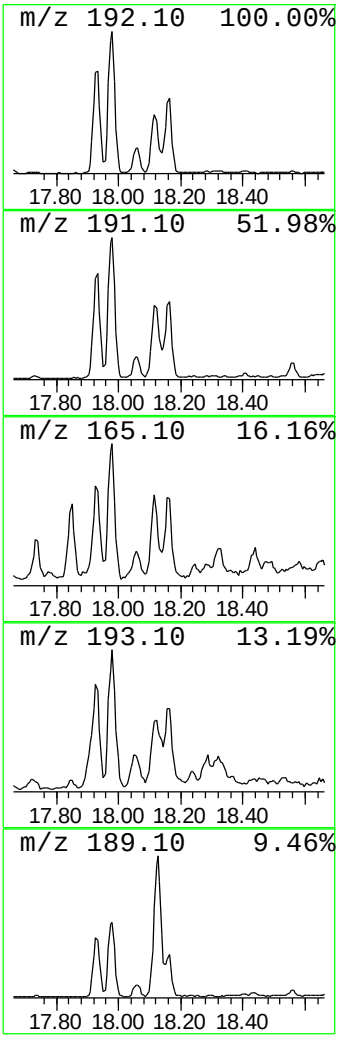
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	2.55 ng/ul	501688	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
3	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	90
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062416\
Data File : BM005983.D
Acq On : 25 Jun 2016 01:37
Operator : UM/SJ
Sample : H3612-13
Misc :
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Quant Title : SVOA CALIBRATION

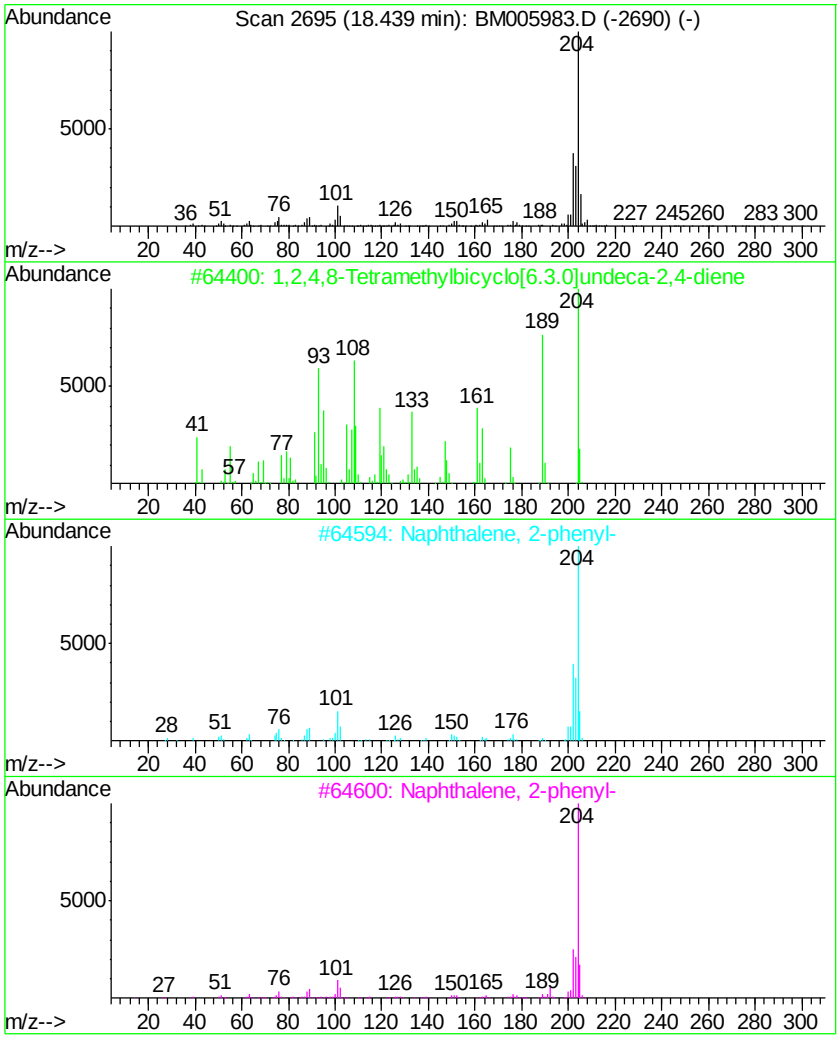
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

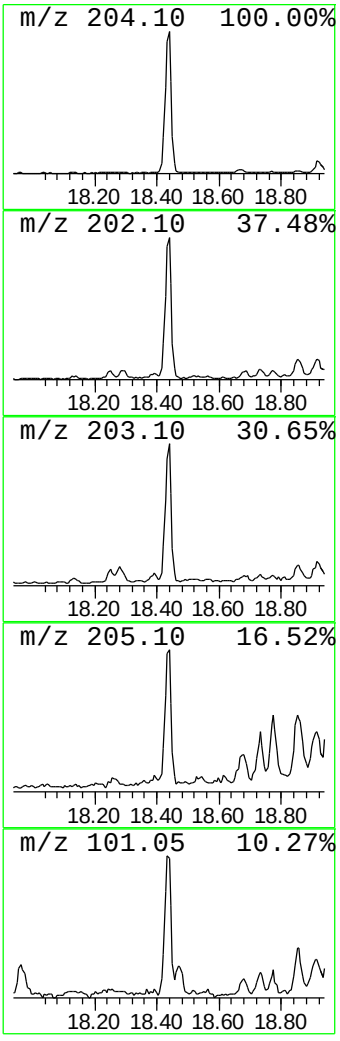
****

Peak Number 6 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.44	3.50 ng/ul	687668	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	91
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
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	68





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Sample : H3612-13
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 7 9,10-Anthracenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	7.49 ng/ul	1471250	Phenanthrene-d10	17.06

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	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
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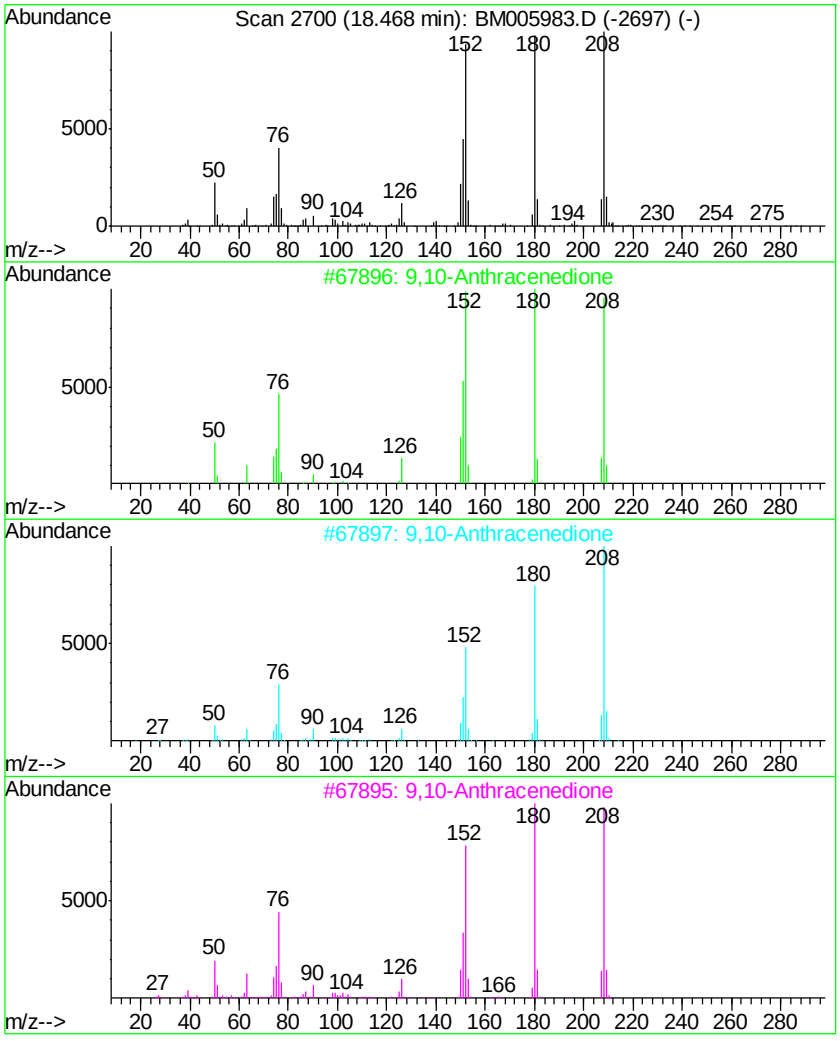

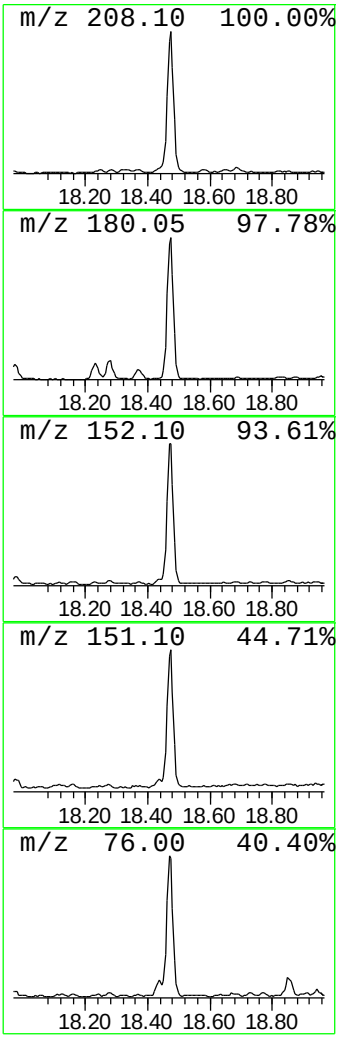

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ClientSampleId : D9Z31

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Quant Title : SVOA CALIBRATION

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

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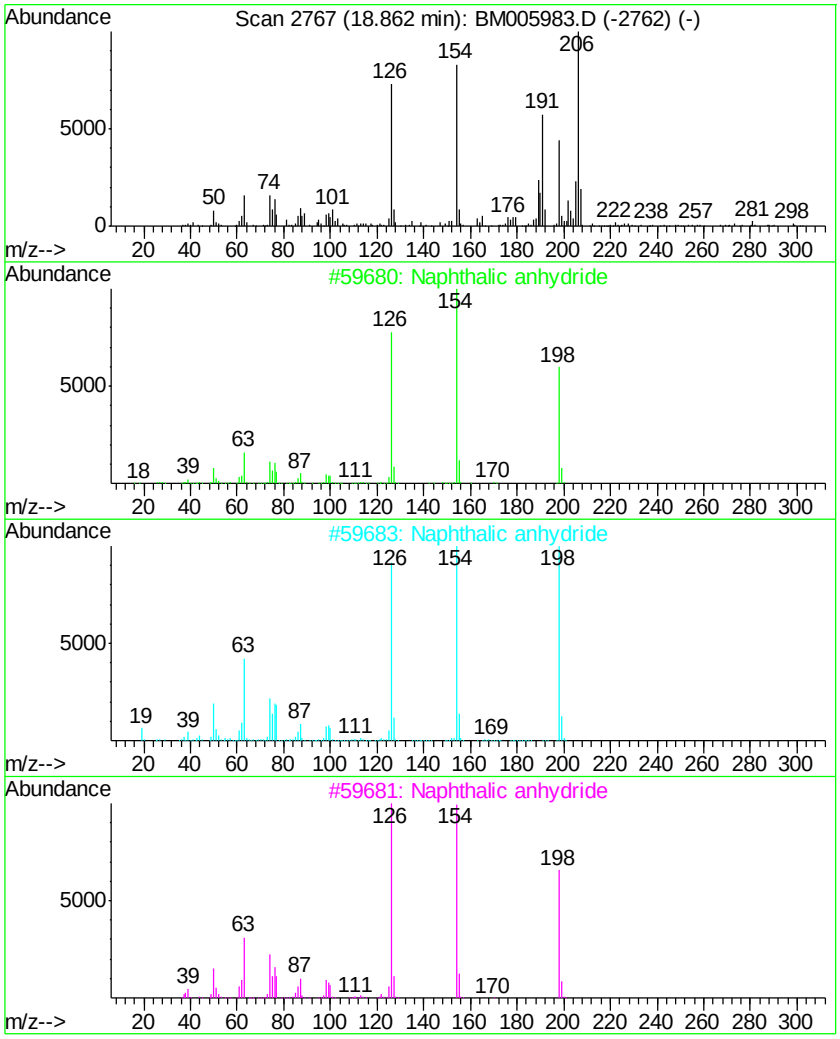
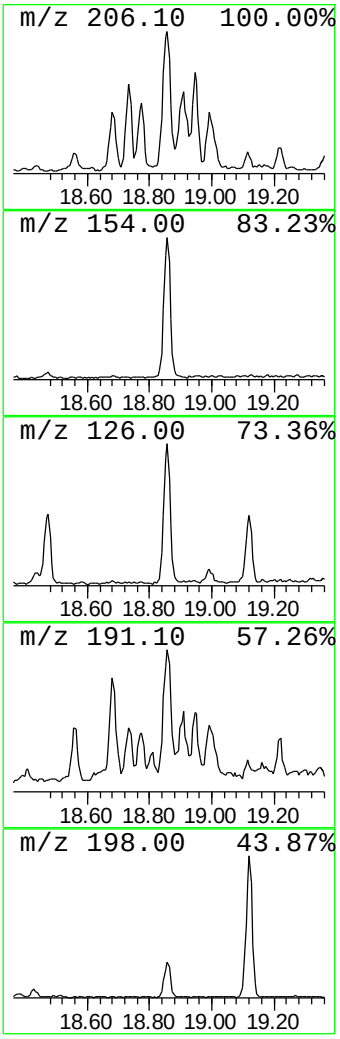
Peak Number 8 Naphthalic anhydride Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	2.76 ng/ul	542025	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalic anhydride	198	C12H6O3	000081-84-5	95
2	Naphthalic anhydride	198	C12H6O3	000081-84-5	95
3	Naphthalic anhydride	198	C12H6O3	000081-84-5	89
4	Naphthalic anhydride	198	C12H6O3	000081-84-5	86
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	59





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ClientSampleId : D9Z31

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Quant Title : SVOA CALIBRATION

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

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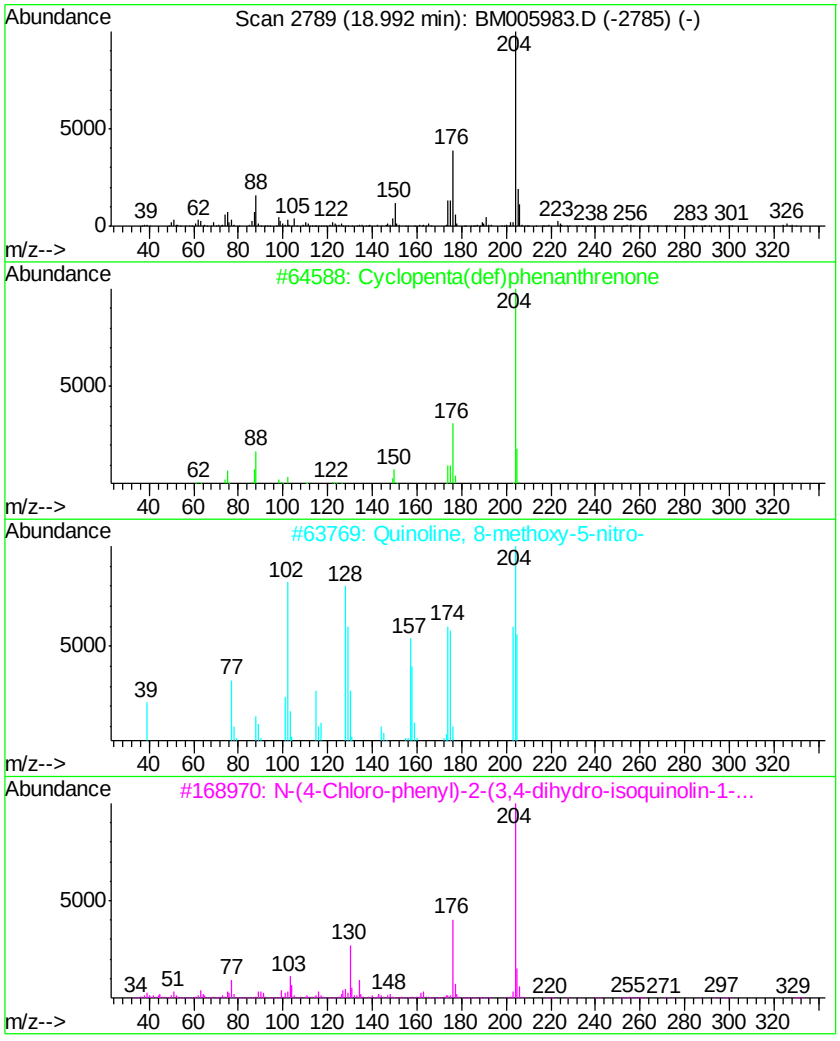
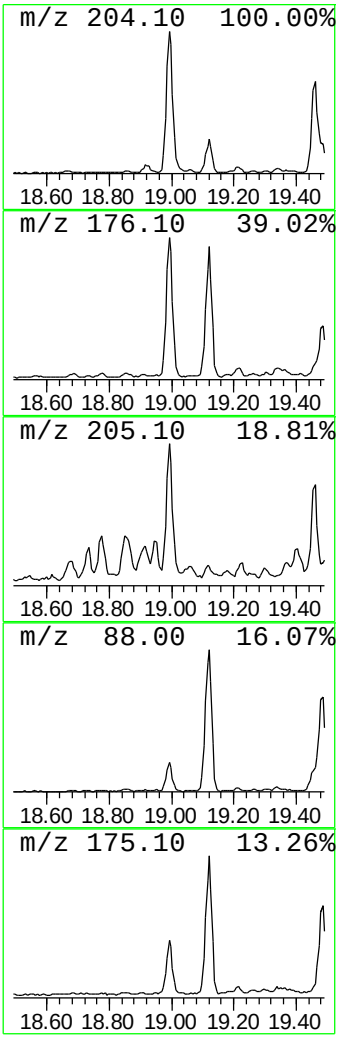
Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	6.30 ng/ul	1238390	Phenanthrene-d10	17.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	46
3	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	45
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	43
5	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	40





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Quant Title : SVOA CALIBRATION

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

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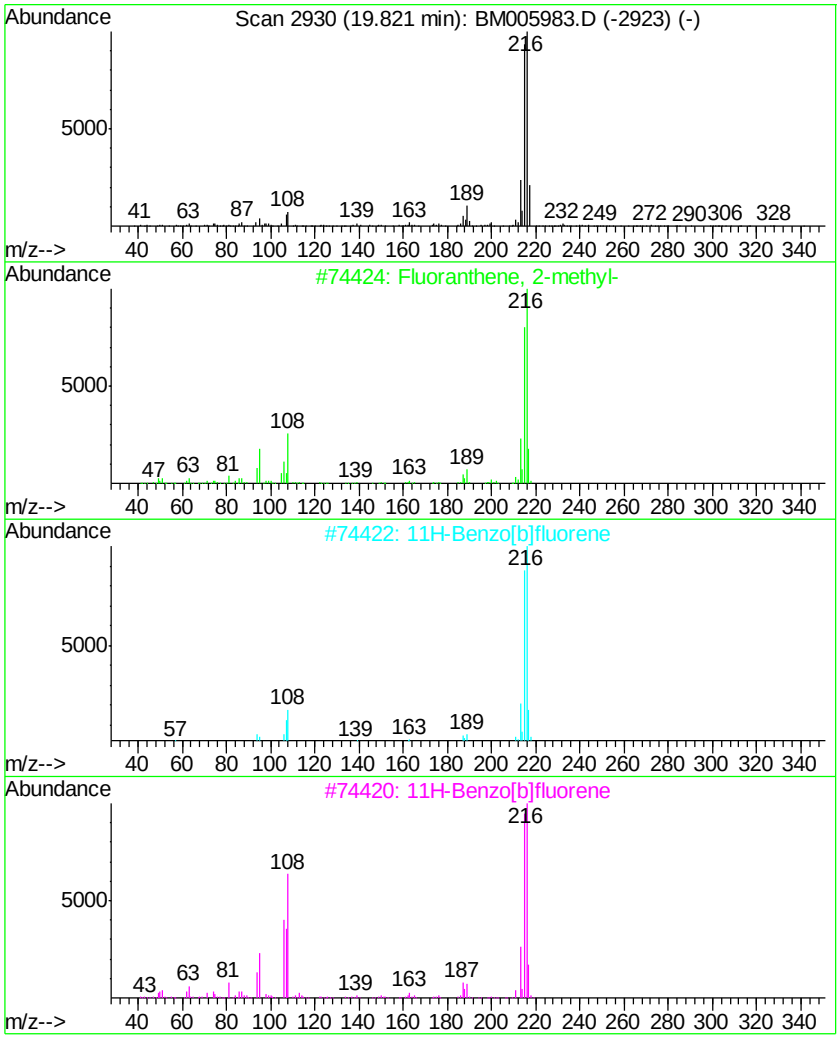
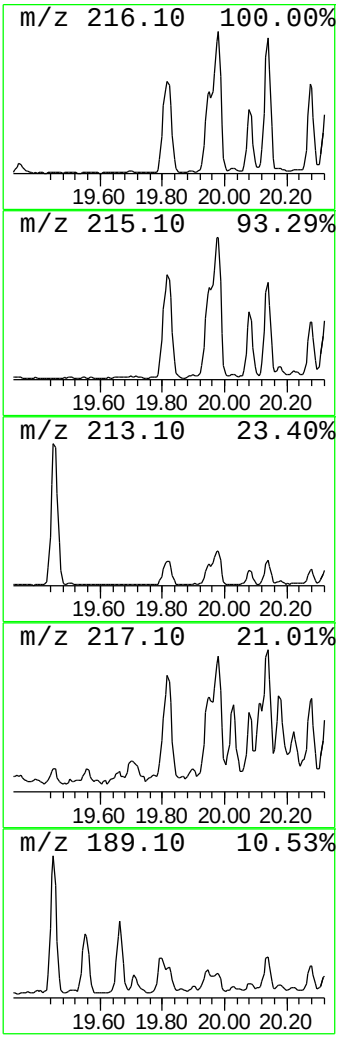
Peak Number 10 Fluoranthene, 2-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.82	2.40 ng/ul	1100630	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	86
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81





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Sample : H3612-13
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Quant Title : SVOA CALIBRATION

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

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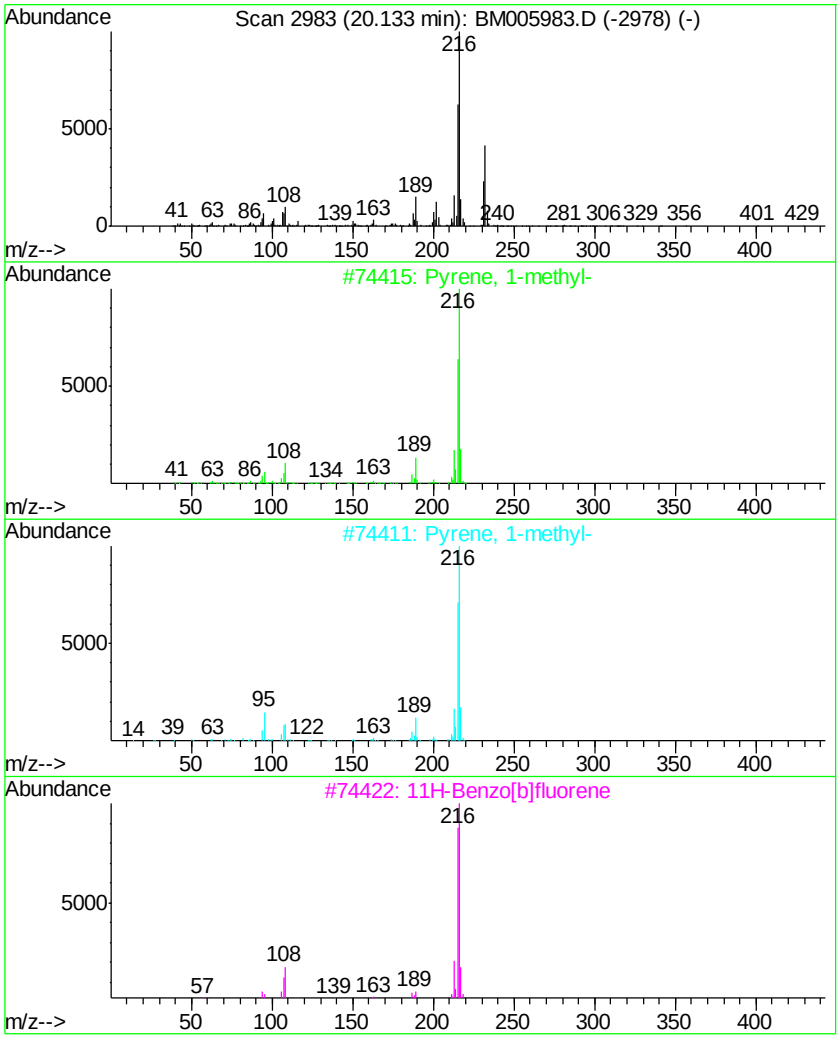
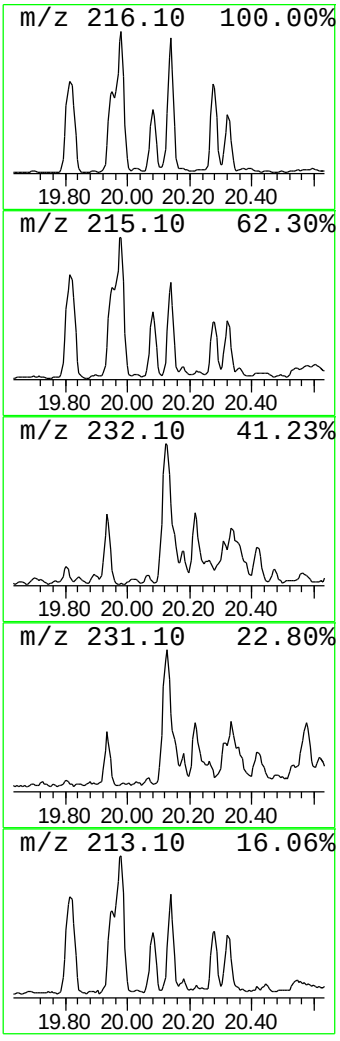
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.13	2.59 ng/ul	1190080	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90





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ClientSampleId : D9Z31

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Quant Title : SVOA CALIBRATION

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

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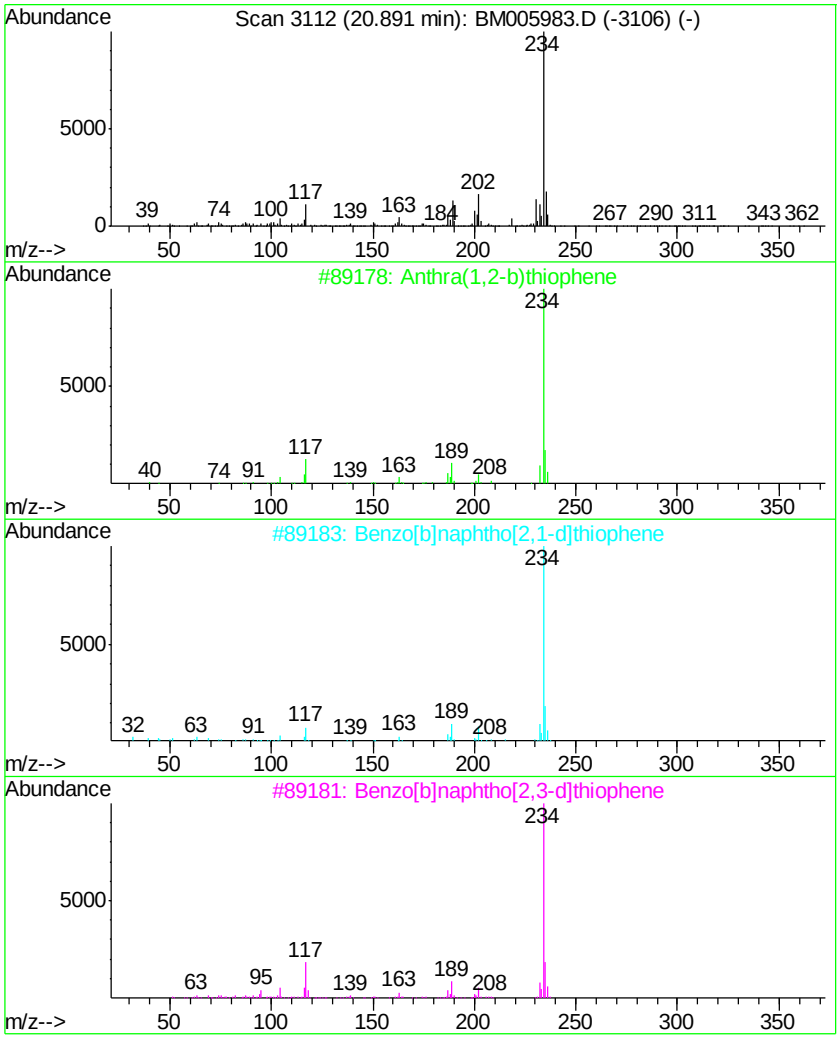
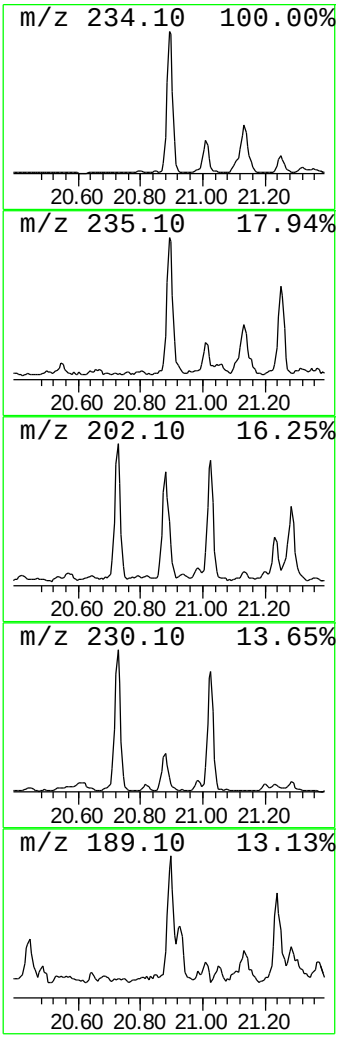
Peak Number 13 Anthra(1,2-b)thiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.89	3.93 ng/ul	1805340	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	93
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	91
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87





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Sample : H3612-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z31

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062216.M
Quant Title : SVOA CALIBRATION

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

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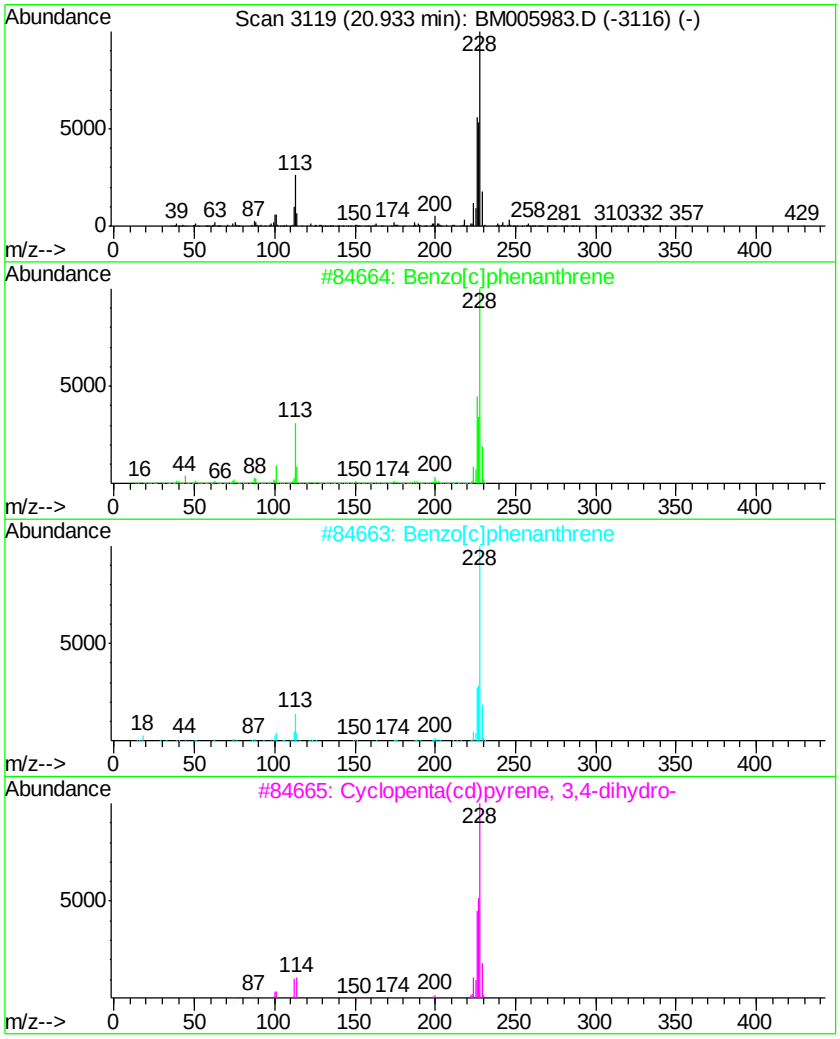
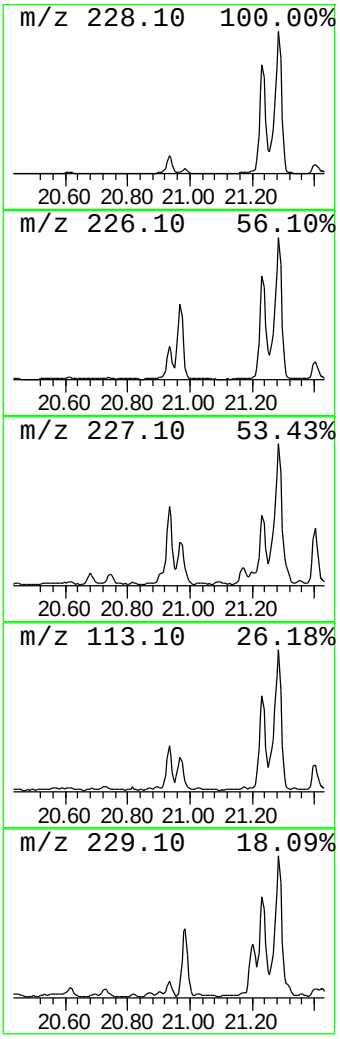
Peak Number 14 Benzo[c]phenanthrene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.93	2.11 ng/ul	967511	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	83
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	70
3	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	58
4	Triphenylene	228	C18H12	000217-59-4	53
5	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	49





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Sample : H3612-13
Misc :
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Instrument : BNA_M
ClientSampleId : D9Z31

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Quant Title : SVOA CALIBRATION

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

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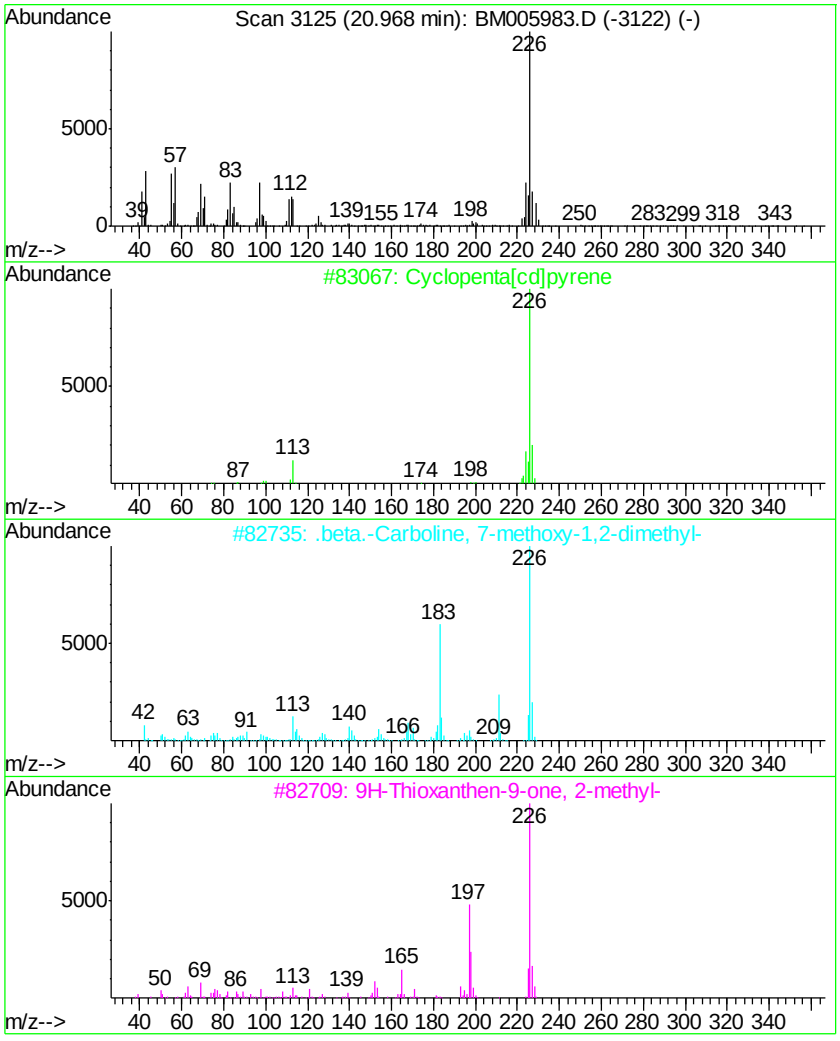
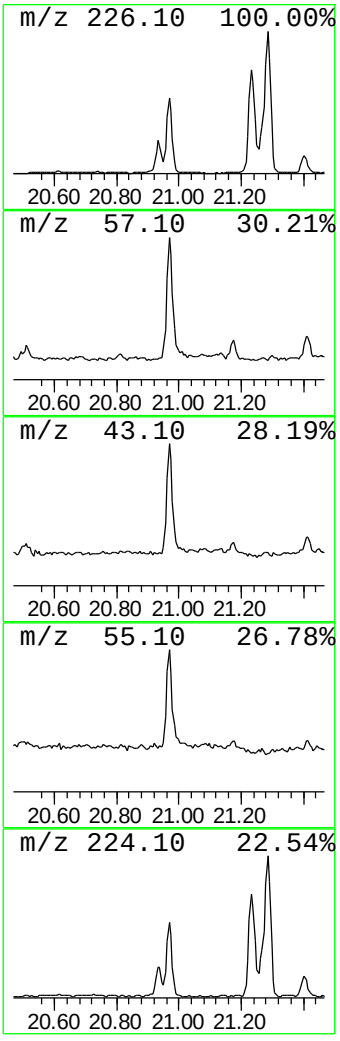
Peak Number 15 unknown-01 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.97	4.72 ng/ul	2168330	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	49
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	47
3	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	46
4	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	38
5	Benzonitrile, 2-(5-methyl-2-thie...	226	C13H10N2S	315670-19-0	28





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Quant Title : SVOA CALIBRATION

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

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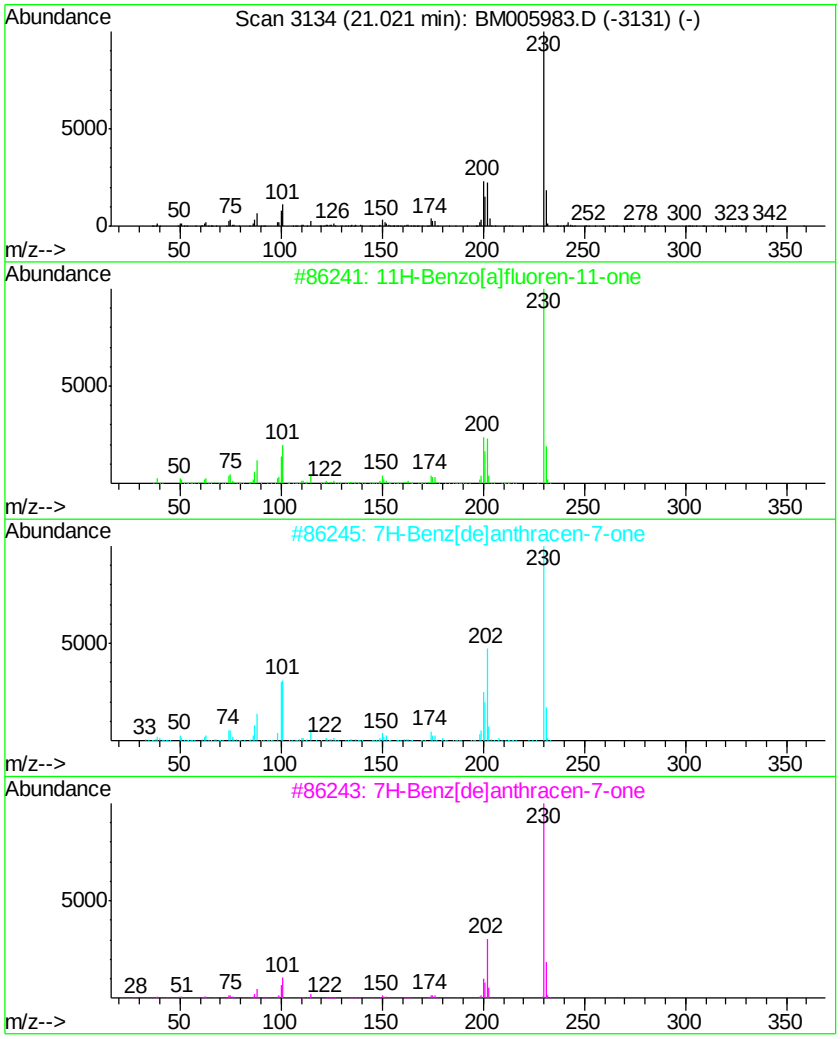
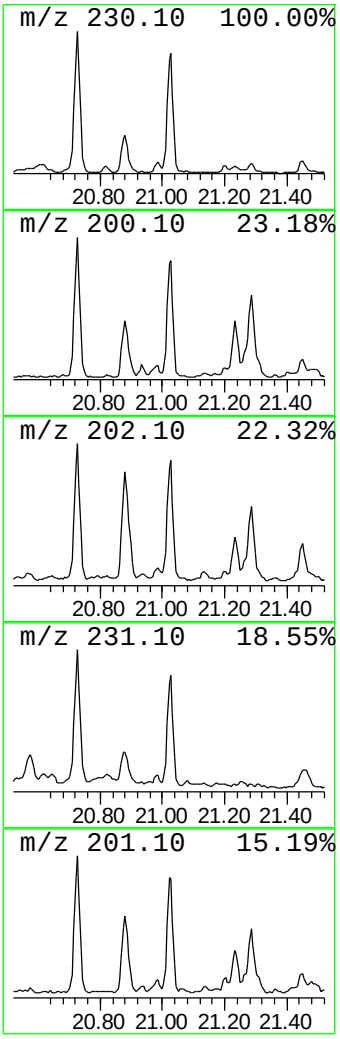
Peak Number 16 11H-Benzo[a]fluoren-11-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.02	3.65 ng/ul	1675300	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72





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Quant Title : SVOA CALIBRATION

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

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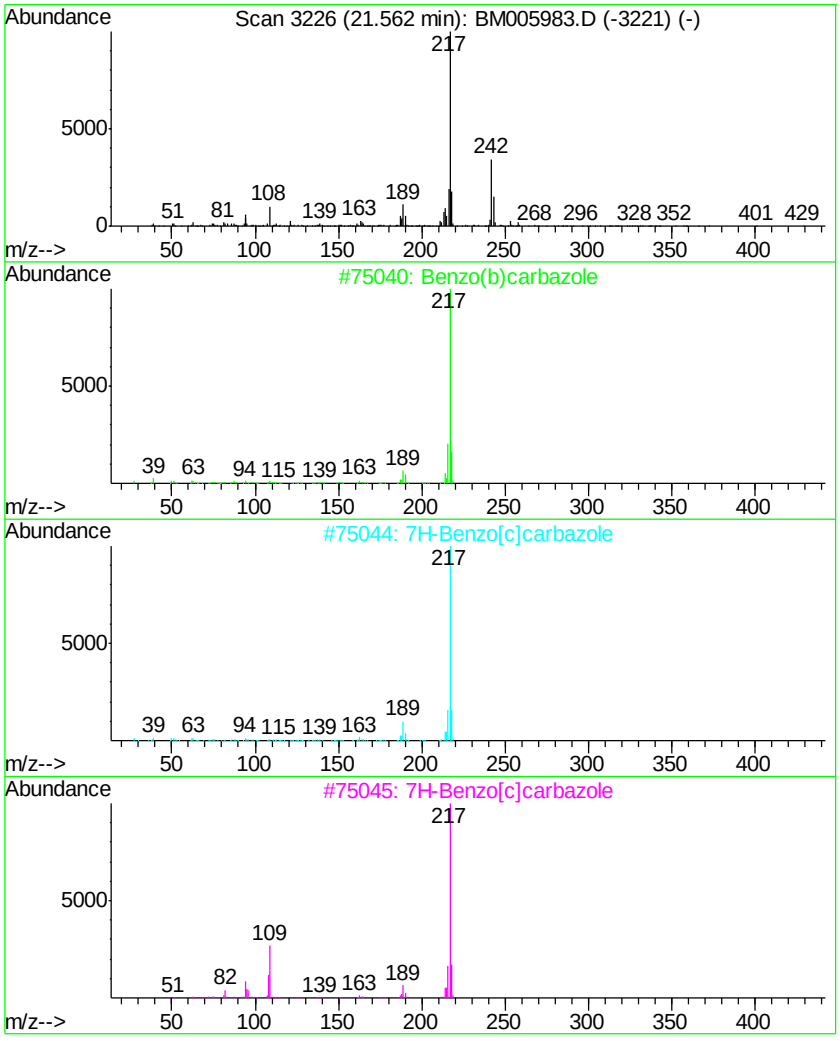
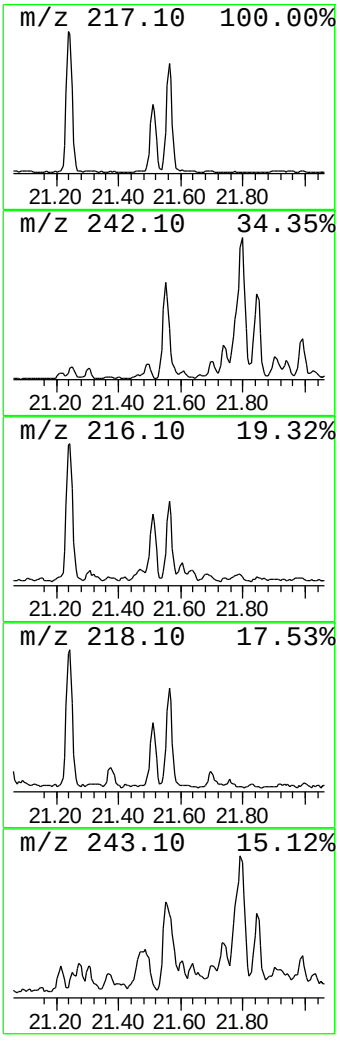
Peak Number 17 Benzo(b)carbazole Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.56	2.42 ng/ul	1110760	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(b)carbazole	217	C16H11N	000243-28-7	89
2	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	86
3	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	50
4	Benzo(c)carbazole	217	C16H11N	034777-33-8	46
5	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	46





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

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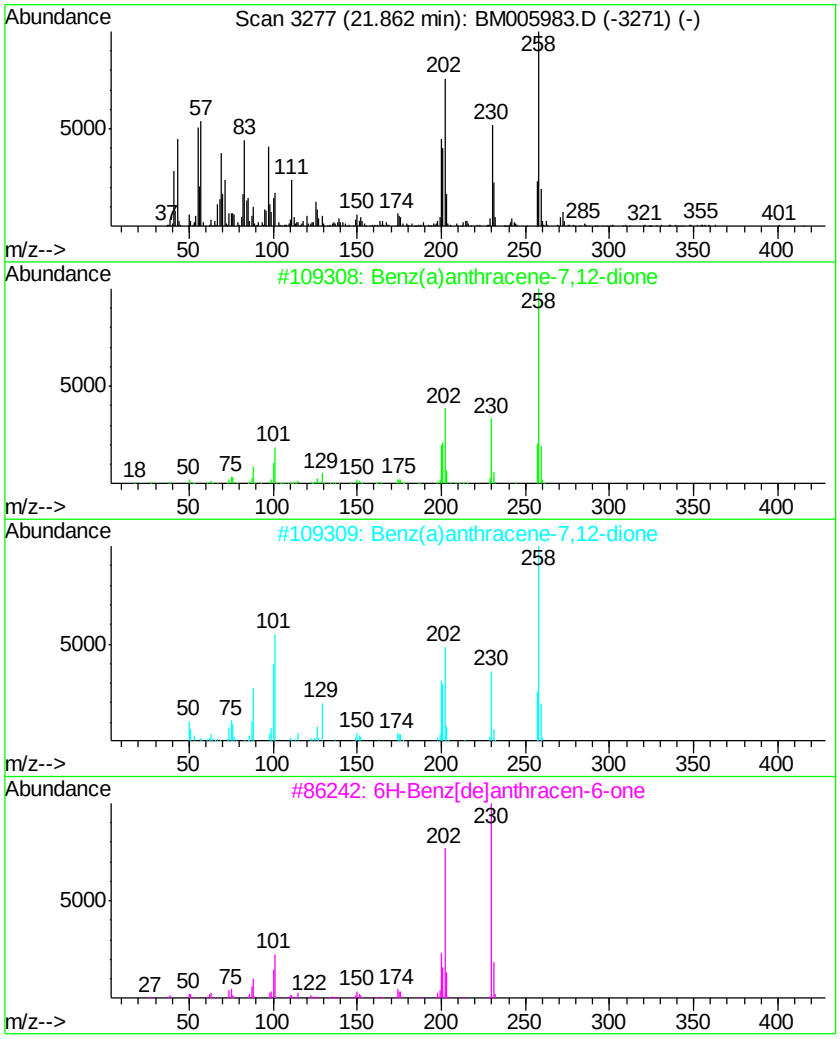
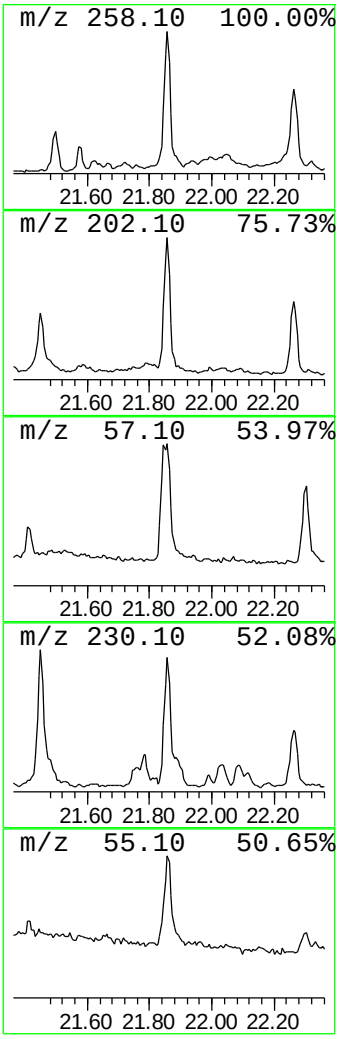
Peak Number 18 Benz(a)anthracene-7,12-dione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.86	3.90 ng/ul	1792570	Chrysene-d12	21.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	95
2	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	93
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	89
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	86
5	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	83





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Acq On : 25 Jun 2016 01:37
Operator : UM/SJ
Sample : H3612-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z31

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062216.M
Quant Title : SVOA CALIBRATION

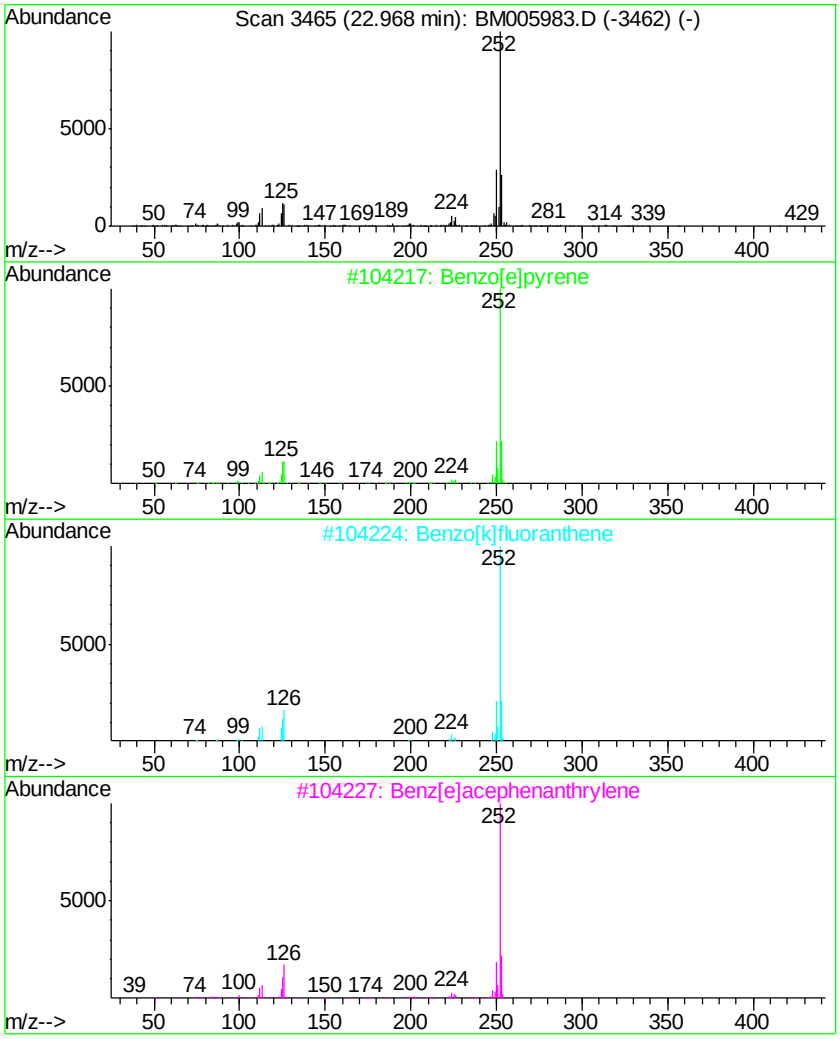
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

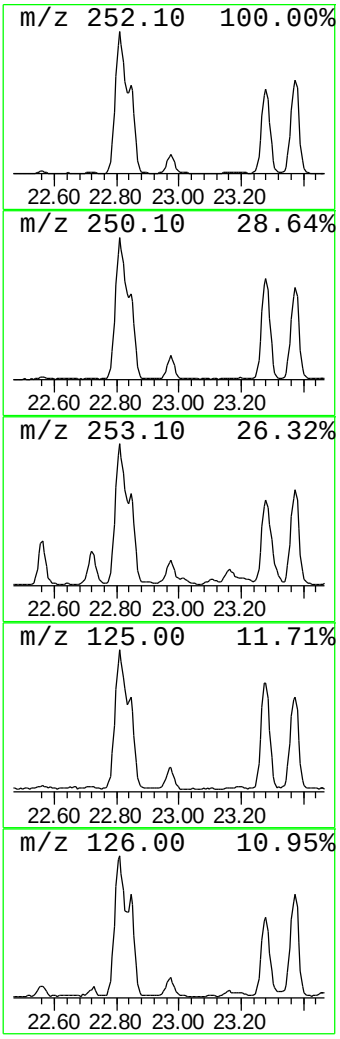
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.97	4.07 ng/ul	782873	Perylene-d12	23.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





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Sample : H3612-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z31

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062216.M
Quant Title : SVOA CALIBRATION

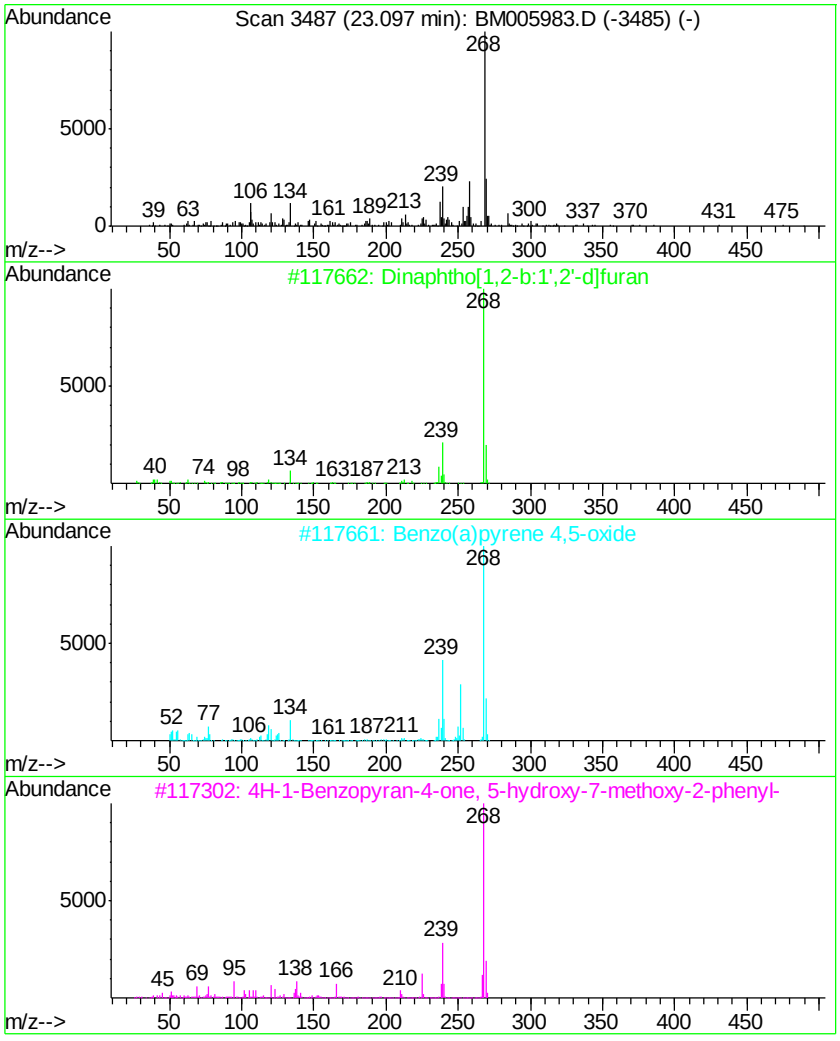
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

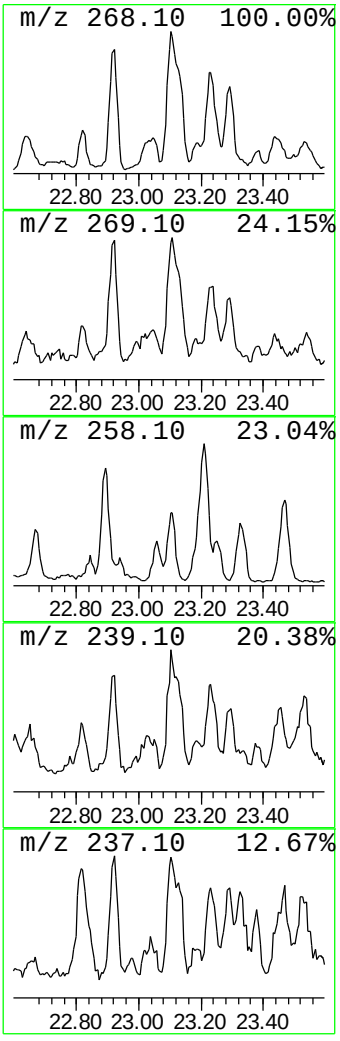
****

Peak Number 20 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.10	2.47 ng/ul	474749	Perylene-d12	23.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	81
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	58
3	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	53
4	Benzo[c]pyren-6,7-diol, 4,5-dihy...	433	C29H23NO3	1000124-59-9	53
5	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	52





Library Search Compound Report

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Data File : BM005983.D
Acq On : 25 Jun 2016 01:37
Operator : UM/SJ
Sample : H3612-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z31

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062216.M
Quant Title : SVOA CALIBRATION

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

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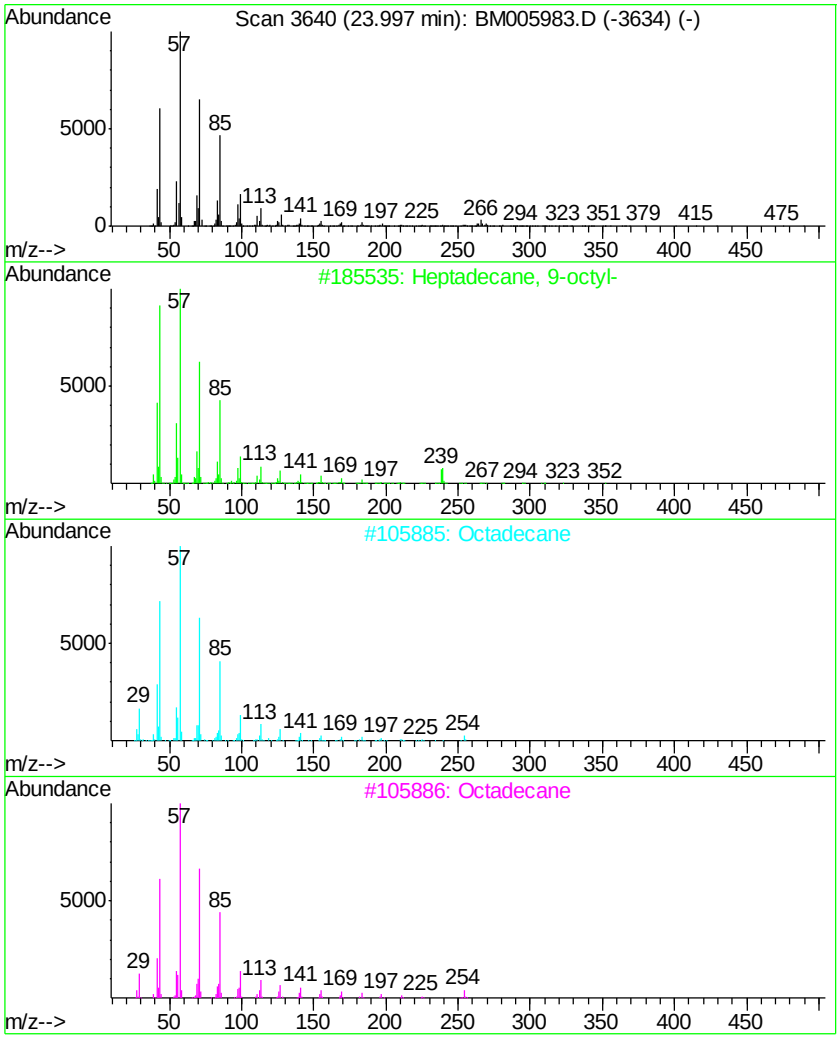
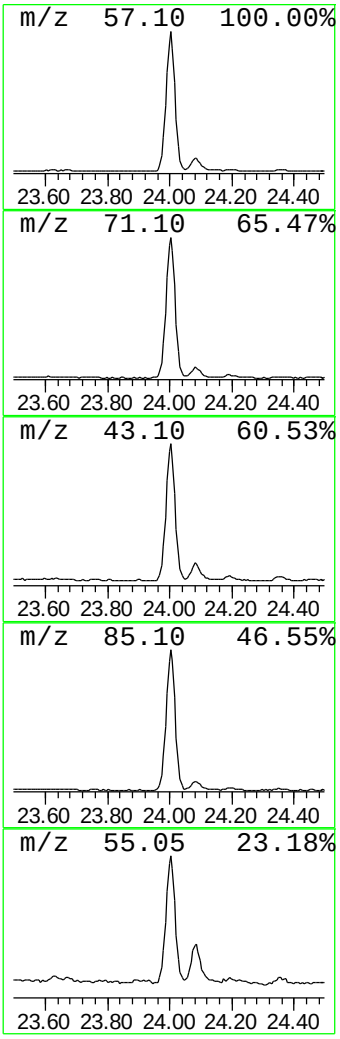
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.00	21.41 ng/ul	4113210	Perylene-d12	23.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	95
2	Octadecane	254	C18H38	000593-45-3	93
3	Octadecane	254	C18H38	000593-45-3	92
4	Octacosane	394	C28H58	000630-02-4	91
5	Heneicosane	296	C21H44	000629-94-7	91





Library Search Compound Report

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Data File : BM005983.D
Acq On : 25 Jun 2016 01:37
Operator : UM/SJ
Sample : H3612-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z31

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062216.M
Quant Title : SVOA CALIBRATION

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

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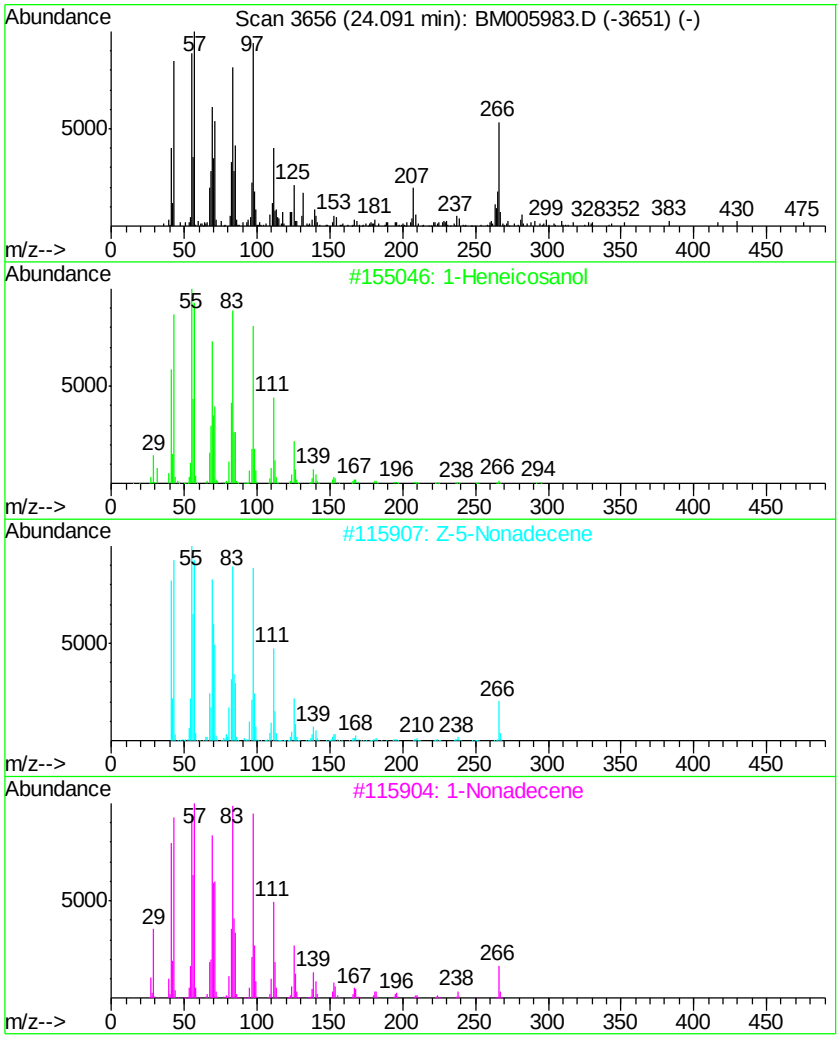
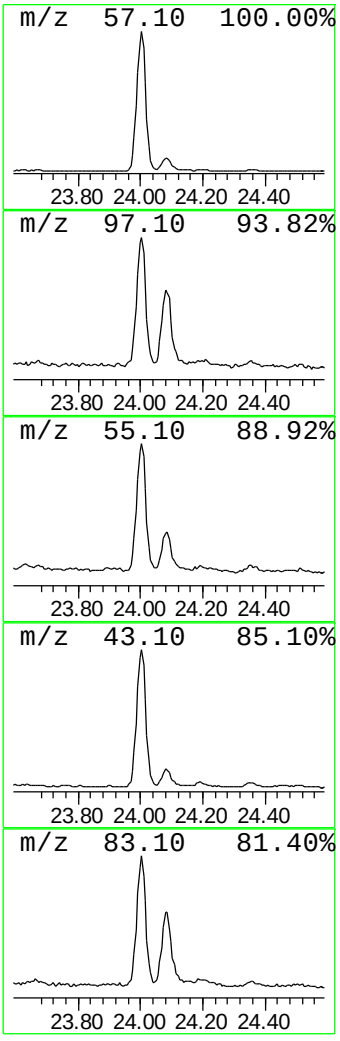
Peak Number 22 1-Heneicosanol Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.09	4.36 ng/ul	836760	Perylene-d12	23.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	93
2	Z-5-Nonadecene	266	C19H38	1000131-11-8	87
3	1-Nonadecene	266	C19H38	018435-45-5	83
4	1-Heptacosanol	396	C27H56O	002004-39-9	81
5	n-Tetracosanol-1	354	C24H50O	000506-51-4	81





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Acq On : 25 Jun 2016 01:37
Operator : UM/SJ
Sample : H3612-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z31

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062216.M
Quant Title : SVOA CALIBRATION

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

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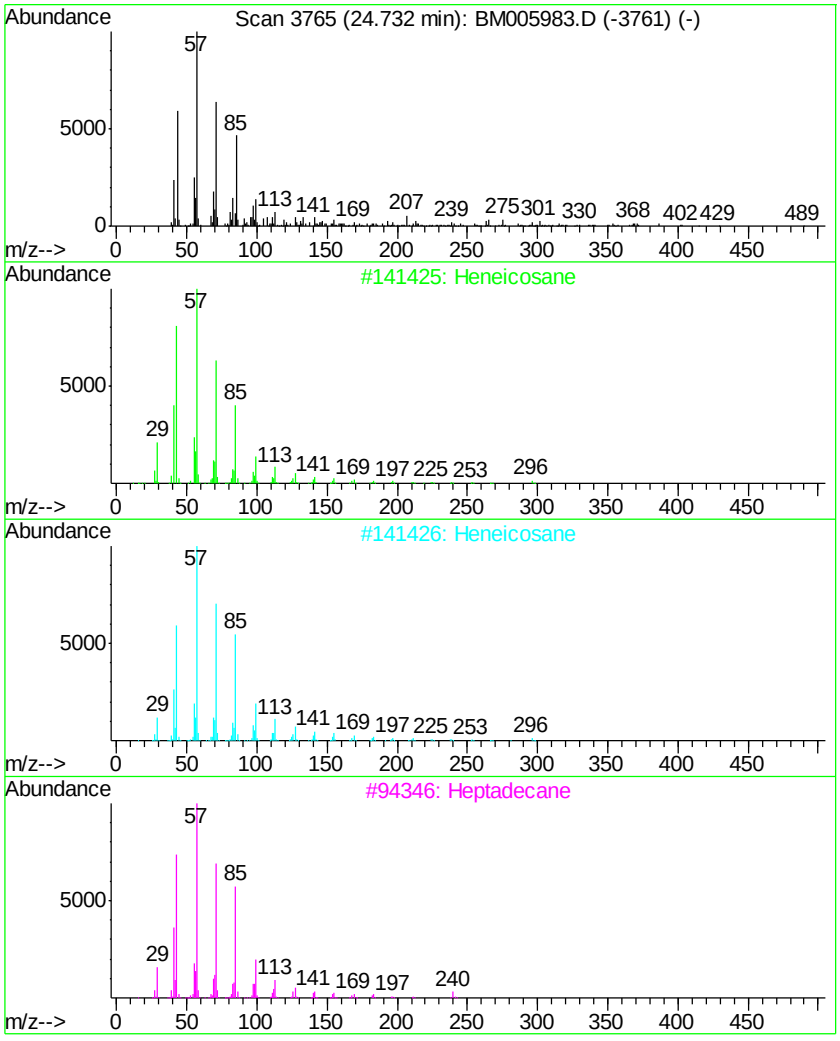
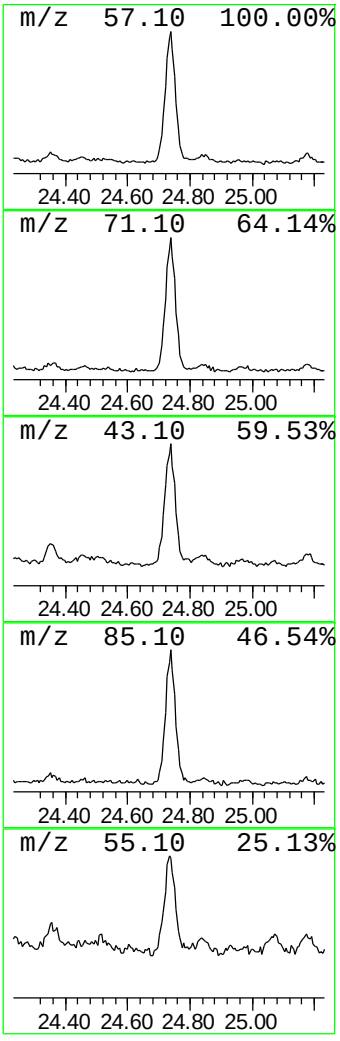
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.73	5.02 ng/ul	964200	Perylene-d12	23.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	98
2	Heneicosane	296	C21H44	000629-94-7	95
3	Heptadecane	240	C17H36	000629-78-7	87
4	Octacosane	394	C28H58	000630-02-4	87
5	Hexacosane	366	C26H54	000630-01-3	83





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Operator : UM/SJ
Sample : H3612-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z31

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062216.M
Quant Title : SVOA CALIBRATION

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

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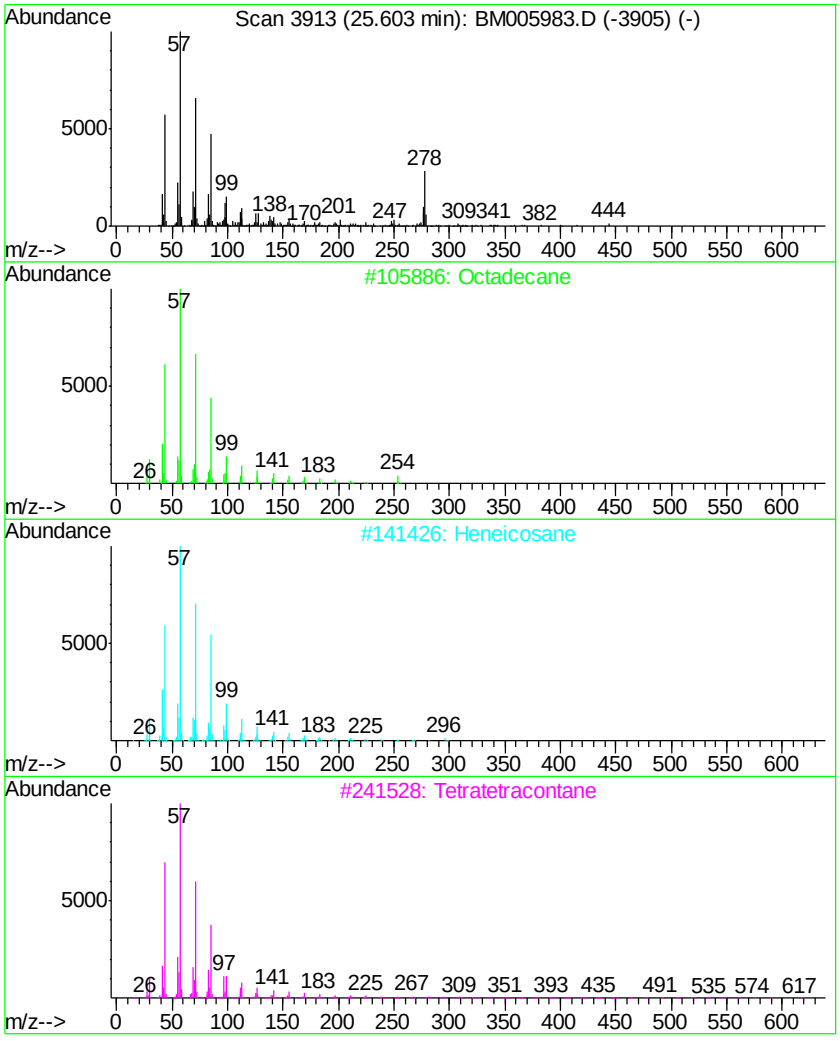
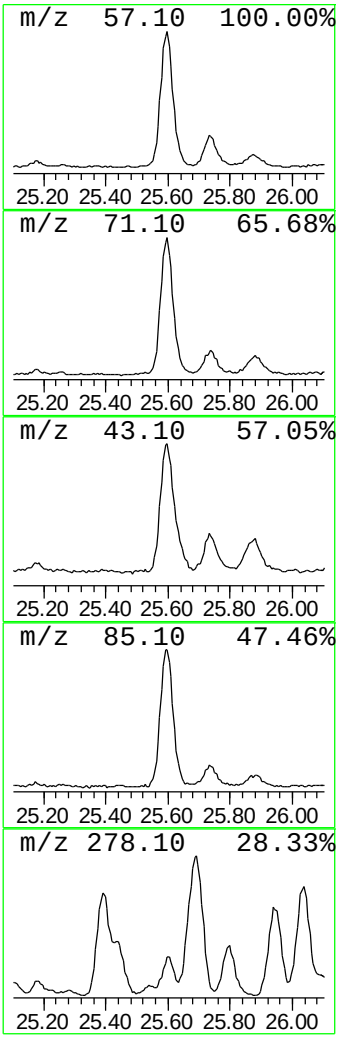
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.60	9.68 ng/ul	1858980	Perylene-d12	23.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	95
2	Heneicosane	296	C21H44	000629-94-7	76
3	Tetratetracontane	619	C44H90	007098-22-8	76
4	Hexacosane	366	C26H54	000630-01-3	76
5	Heptadecane	240	C17H36	000629-78-7	68





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Operator : UM/SJ
Sample : H3612-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z31

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062216.M
Quant Title : SVOA CALIBRATION

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

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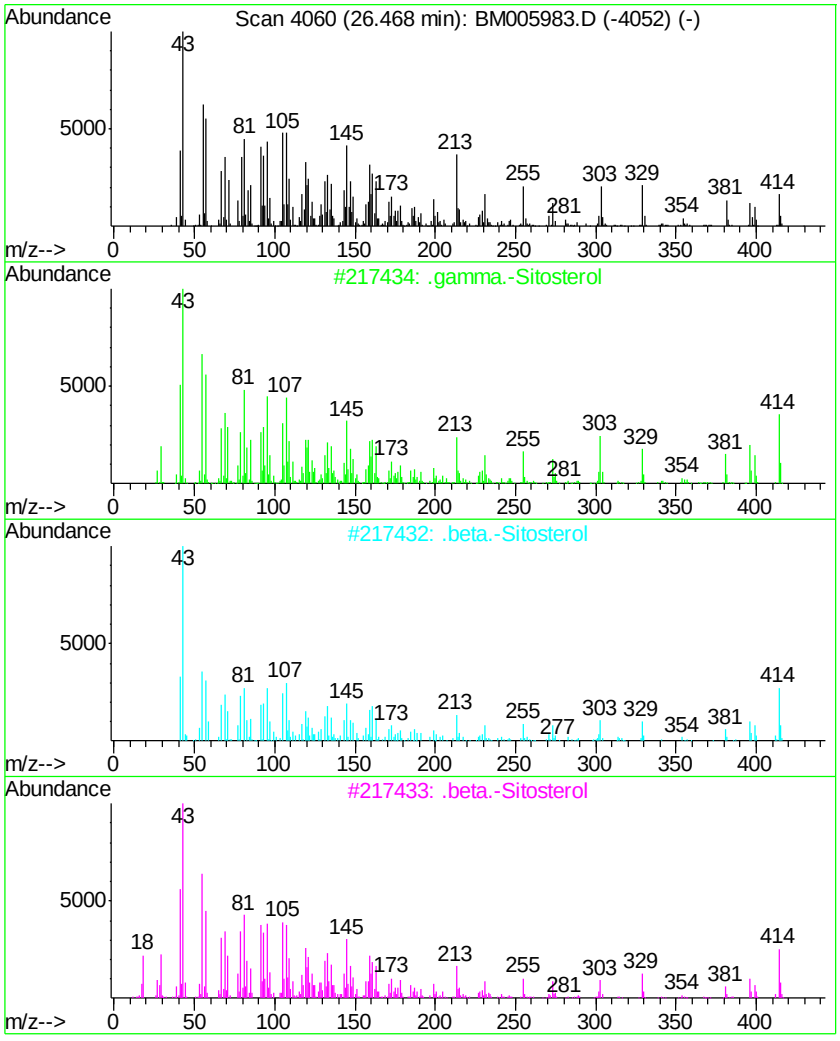
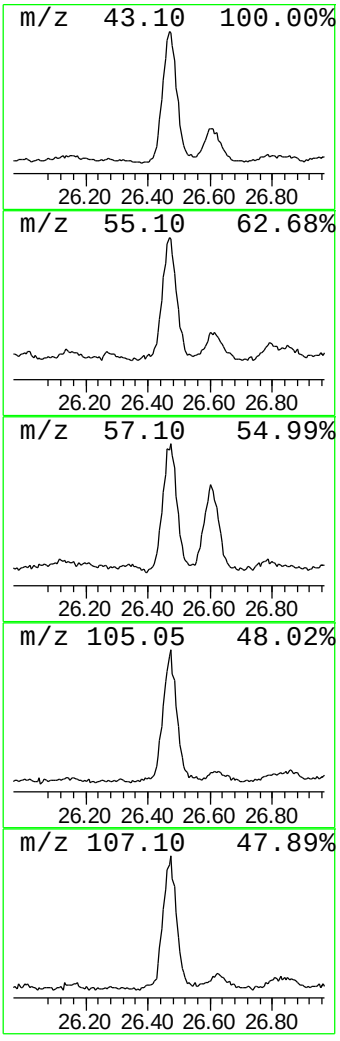
Peak Number 25 .gamma.-Sitosterol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.47	20.50 ng/ul	3939010	Perylene-d12	23.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Sitosterol	414	C29H50O	000083-47-6	99
2	.beta.-Sitosterol	414	C29H50O	000083-46-5	95
3	.beta.-Sitosterol	414	C29H50O	000083-46-5	95
4	Campesterol	400	C28H48O	000474-62-4	46
5	.gamma.-Sitosterol	414	C29H50O	000083-47-6	43





Library Search Compound Report

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Acq On : 25 Jun 2016 01:37
Operator : UM/SJ
Sample : H3612-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z31

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062216.M
Quant Title : SVOA CALIBRATION

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

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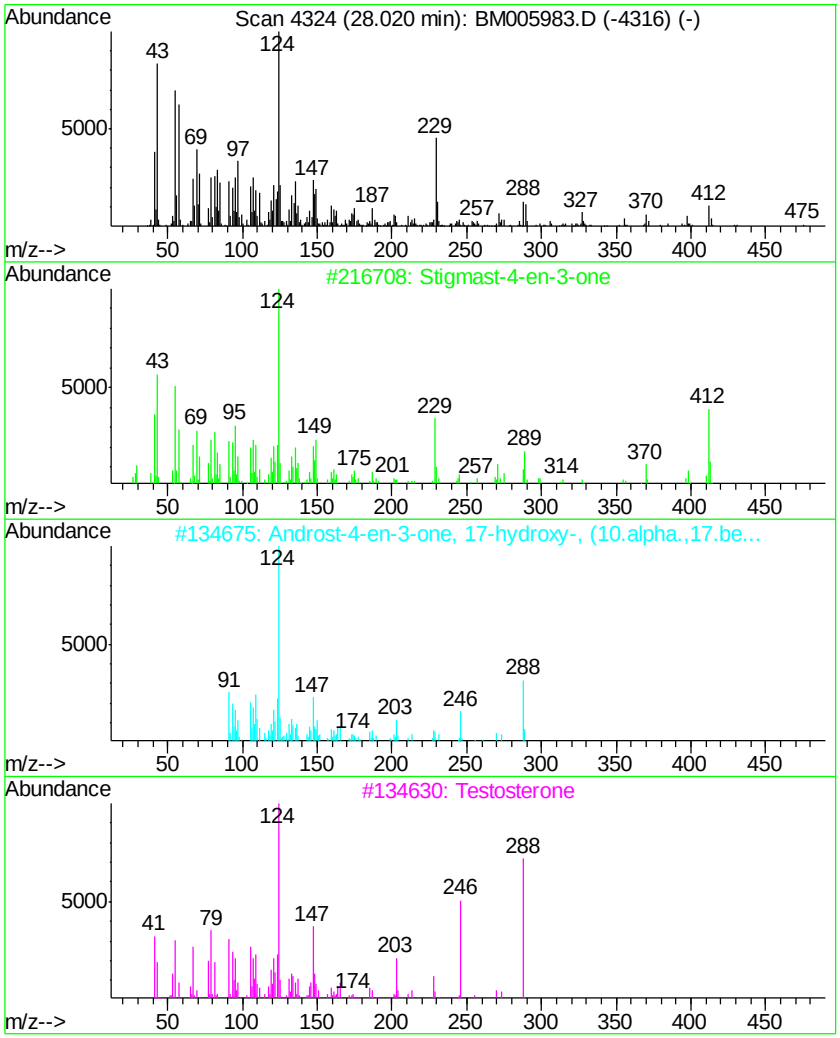
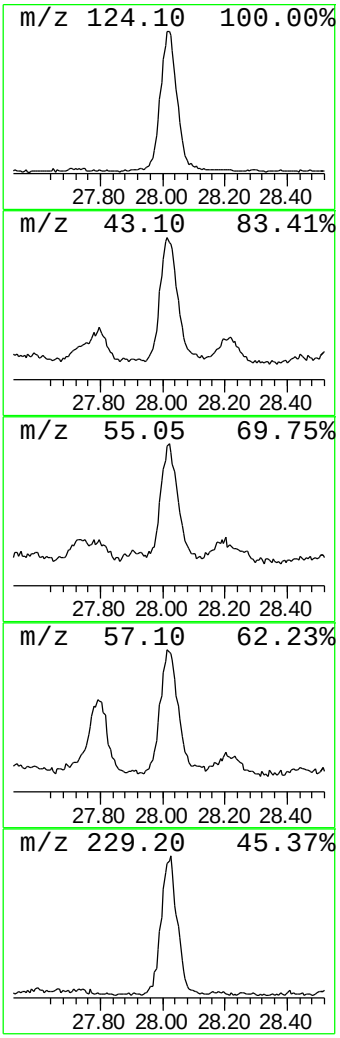
Peak Number 26 Stigmast-4-en-3-one Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
28.02	13.16 ng/ul	2528590	Perylene-d12	23.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Stigmast-4-en-3-one	412	C29H48O	001058-61-3	93
2	Androst-4-en-3-one, 17-hydroxy-,...	288	C19H28O2	000604-39-7	62
3	Testosterone	288	C19H28O2	000058-22-0	47
4	Testosterone	288	C19H28O2	000058-22-0	43
5	Androst-4-en-3-one, 17-hydroxy-,...	288	C19H28O2	000481-30-1	35





Tentatively Identified Compound (LSC) summary

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Acq On : 25 Jun 2016 01:37
Operator : UM/SJ
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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9Z31

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062216.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
9H-Fluoren-9-one	16.71	4.5	ng/ul	873620	4	17.06	3929480	20.0
Phenanthrene, 2-m...	17.93	4.7	ng/ul	914567	4	17.06	3929480	20.0
1H-Cyclopropa[l]p...	17.97	9.1	ng/ul	1792610	4	17.06	3929480	20.0
Benzaldehyde, 3,5...	18.12	5.7	ng/ul	1112290	4	17.06	3929480	20.0
Anthracene, 2-met...	18.16	2.5	ng/ul	501688	4	17.06	3929480	20.0
1,2,4,8-Tetrameth...	18.44	3.5	ng/ul	687668	4	17.06	3929480	20.0
9,10-Anthracenedione	18.47	7.5	ng/ul	1471250	4	17.06	3929480	20.0
Naphthalic anhydride	18.86	2.8	ng/ul	542025	4	17.06	3929480	20.0
Cyclopenta(def)ph...	18.99	6.3	ng/ul	1238390	4	17.06	3929480	20.0
Fluoranthene, 2-m...	19.82	2.4	ng/ul	1100630	5	21.25	9182370	20.0
Pyrene, 1-methyl-	20.13	2.6	ng/ul	1190080	5	21.25	9182370	20.0
Anthra(1,2-b)thio...	20.89	3.9	ng/ul	1805340	5	21.25	9182370	20.0
Benzo[c]phenanthrene	20.93	2.1	ng/ul	967511	5	21.25	9182370	20.0
unknown-01	20.97	4.7	ng/ul	2168330	5	21.25	9182370	20.0
11H-Benzo[a]fluor...	21.02	3.6	ng/ul	1675300	5	21.25	9182370	20.0
Benzo(b)carbazole	21.56	2.4	ng/ul	1110760	5	21.25	9182370	20.0
Benz(a)anthracene...	21.86	3.9	ng/ul	1792570	5	21.25	9182370	20.0
Benzo[e]pyrene	22.97	4.1	ng/ul	782873	6	23.47	3842630	20.0
Dinaphtho[1,2-b:1...	23.10	2.5	ng/ul	474749	6	23.47	3842630	20.0
(DEL) Alkane: Str...	24.00	21.4	ng/ul	4113210	6	23.47	3842630	20.0
1-Heneicosanol	24.09	4.4	ng/ul	836760	6	23.47	3842630	20.0
(DEL) Alkane: Str...	24.73	5.0	ng/ul	964200	6	23.47	3842630	20.0
(DEL) Alkane: Str...	25.60	9.7	ng/ul	1858980	6	23.47	3842630	20.0
.gamma.-Sitosterol	26.47	20.5	ng/ul	3939010	6	23.47	3842630	20.0
Stigmast-4-en-3-one	28.02	13.2	ng/ul	2528590	6	23.47	3842630	20.0