LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005579.D
Acq On : 22 May 2016 08:28
Operator : UM/SJ
Sample : H2890-07
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT3

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-BM052016.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	2.652	7	11	29	rVB2	78939	186062	2.91%	0.227%
2	3.010	68	72	76	rBV	90620	99142	1.55%	0.121%
3	3.828	205	211	217	rBV	90787	125542	1.96%	0.153%
4	7.004	742	751	765	rVB	346706	587589	9.19%	0.716%
5	7.157	771	777	785	rBV	243479	379081	5.93%	0.462%
6	7.363	805	812	819	rBV	359155	571069	8.94%	0.696%
7	7.828	881	891	898	rBV	408539	674808	10.56%	0.822%
8	8.534	1005	1011	1021	rBV	415061	673158	10.53%	0.820%
9	8.981	1080	1087	1095	rBV	313333	533470	8.35%	0.650%
10	9.698	1203	1209	1216	rBV	280027	478826	7.49%	0.583%
11	10.239	1294	1301	1311	rBV	431559	749454	11.73%	0.913%
12	10.616	1355	1365	1371	rBV	576162	982234	15.37%	1.196%
13	10.751	1381	1388	1403	rBV	216705	405165	6.34%	0.494%
14	13.869	1912	1918	1922	rVV	756608	1086522	17.00%	1.323%
15	13.916	1922	1926	1933	rVB	271395	386962	6.05%	0.471%
16	14.151	1960	1966	1977	rVB	860249	1390554	21.76%	1.694%
17	14.457	2006	2018	2025	rBV2	820017	1341919	21.00%	1.635%
18	14.521	2025	2029	2037	rVB	108385	159309	2.49%	0.194%
19	14.669	2047	2054	2064	rBV	406745	647064	10.12%	0.788%
20	14.857	2082	2086	2093	rVB	68617	105399	1.65%	0.128%
21	15.304	2159	2162	2169	rVB	57376	71044	1.11%	0.087%
22	15.451	2180	2187	2192	rBV	1123684	1654251	25.88%	2.015%
23	15.504	2192	2196	2201	rVB3	89296	126882	1.99%	0.155%
24	15.568	2201	2207	2215	rBV	307038	443242	6.94%	0.540%
25	15.798	2242	2246	2253	rVB	53614	78049	1.22%	0.095%
26	15.945	2264	2271	2279	rVB	48115	107939	1.69%	0.131%
27	16.163	2301	2308	2318	rBV2	125404	314379	4.92%	0.383%
28	16.510	2356	2367	2372	rBV7	38299	106043	1.66%	0.129%
29	16.733	2398	2405	2409	rBV4	38696	80757	1.26%	0.098%
30	16.857	2421	2426	2433	rVB	218262	325135	5.09%	0.396%
31	16.957	2433	2443	2447	rBV3	73837	179707	2.81%	0.219%
32	17.021	2449	2454	2463	rVB	114134	193141	3.02%	0.235%
33	17.204	2479	2485	2488	rBV	1096554	1636274	25.60%	1.993%
34	17.245	2488	2492	2497	rVV	1802999	2642048	41.34%	3.218%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005579.D
Acq On : 22 May 2016 08:28
Operator : UM/SJ
Sample : H2890-07
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT3

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-BM052016.M
Title : SVOA CALIBRATION

35	17.304	2497	2502	2505	rVV2	1213197	1855025	29.03%	2.260%
36	17.333	2505	2507	2512	rVV	370983	454215	7.11%	0.553%
37	17.386	2512	2516	2522	rVB3	52862	94307	1.48%	0.115%
38	17.604	2544	2553	2562	rBV2	322442	610796	9.56%	0.744%
39	17.780	2579	2583	2592	rVB3	86255	136857	2.14%	0.167%
40	18.074	2624	2633	2638	rBV	294797	600697	9.40%	0.732%
41	18.121	2638	2641	2649	rVB	401123	562966	8.81%	0.686%
42	18.204	2650	2655	2660	rVB	108497	158223	2.48%	0.193%
43	18.268	2660	2666	2670	rBV2	319159	609668	9.54%	0.743%
44	18.309	2670	2673	2678	rVB	201187	261544	4.09%	0.319%
45	18.380	2681	2685	2689	rBV5	75438	123305	1.93%	0.150%
46	18.427	2689	2693	2697	rVV3	74316	100888	1.58%	0.123%
47	18.515	2705	2708	2713	rBV4	41192	64820	1.01%	0.079%
48	18.574	2714	2718	2722	rBV	224587	318576	4.98%	0.388%
49	18.615	2722	2725	2732	rVB	312917	454024	7.10%	0.553%
50	18.721	2736	2743	2746	rBV2	73448	151447	2.37%	0.184%
51	18.821	2757	2760	2764	rBV4	98427	124727	1.95%	0.152%
52	18.868	2765	2768	2772	rVV	100238	140245	2.19%	0.171%
53	18.909	2772	2775	2784	rVB3	120065	232203	3.63%	0.283%
54	18.998	2785	2790	2795	rBV2	196601	375498	5.88%	0.457%
55	19.133	2809	2813	2822	rVB	313076	493824	7.73%	0.601%
56	19.262	2829	2835	2840	rBV	3672392	5376579	84.13%	6.549%
57	19.456	2864	2868	2871	rBV2	92533	154019	2.41%	0.188%
58	19.503	2873	2876	2879	rVB	112845	149541	2.34%	0.182%
59	19.598	2886	2892	2894	rBV3	1883816	3108407	48.64%	3.786%
60	19.627	2894	2897	2903	rVV	2933099	4033316	63.11%	4.913%
61	19.692	2904	2908	2921	rVB3	285550	717475	11.23%	0.874%
62	19.798	2923	2926	2932	rVB	215613	300495	4.70%	0.366%
63	19.862	2933	2937	2942	rBV	201217	289750	4.53%	0.353%
64	19.956	2945	2953	2957	rBV3	408880	1171105	18.32%	1.426%
65	20.074	2969	2973	2976	rBV5	250275	448463	7.02%	0.546%
66	20.274	3000	3007	3011	rBV3	452301	930445	14.56%	1.133%
67	20.309	3011	3013	3017	rVV	201539	249014	3.90%	0.303%
68	20.356	3018	3021	3027	rVV3	187499	387333	6.06%	0.472%
69	20.415	3028	3031	3035	rVV	244463	337262	5.28%	0.411%
70	20.456	3036	3038	3043	rVB2	197242	247953	3.88%	0.302%
71	20.568	3052	3057	3062	rVB	411966	589771	9.23%	0.718%

LSC Area Percent Report

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Data File : BM005579.D
Acq On : 22 May 2016 08:28
Operator : UM/SJ
Sample : H2890-07
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT3

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-BM052016.M
Title : SVOA CALIBRATION

72	20.698	3071	3079	3080	rBV6	106315	281128	4.40%	0.342%
73	20.862	3102	3107	3113	rBV	897440	1153241	18.04%	1.405%
74	21.027	3129	3135	3139	rBV2	688505	1241359	19.42%	1.512%
75	21.086	3139	3145	3147	rBV2	461046	905383	14.17%	1.103%
76	21.162	3153	3158	3163	rVB2	722829	1027763	16.08%	1.252%
77	21.268	3173	3176	3183	rVB2	161920	253414	3.97%	0.309%
78	21.374	3184	3194	3199	rBV3	2843011	6391125	100.00%	7.785%
79	21.421	3199	3202	3212	rVB	2311681	3165043	49.52%	3.855%
80	21.539	3219	3222	3227	rBV3	147282	245346	3.84%	0.299%
81	21.703	3245	3250	3254	rBV2	618176	917246	14.35%	1.117%
82	21.745	3254	3257	3260	rBV2	143367	187102	2.93%	0.228%
83	21.880	3276	3280	3283	rBV3	221491	325906	5.10%	0.397%
84	21.939	3287	3290	3294	rVV	457595	609221	9.53%	0.742%
85	21.992	3295	3299	3304	rVV2	332074	511924	8.01%	0.624%
86	22.139	3321	3324	3328	rBV	174910	251036	3.93%	0.306%
87	22.991	3461	3469	3474	rBV2	2040751	5074272	79.40%	6.181%
88	23.162	3494	3498	3503	rVB	287691	462829	7.24%	0.564%
89	23.480	3546	3552	3557	rBV	1014398	2137859	33.45%	2.604%
90	23.533	3557	3561	3565	rVV2	935696	1823790	28.54%	2.221%
91	23.580	3565	3569	3576	rVB	1435384	2568721	40.19%	3.129%
92	23.680	3579	3586	3590	rBV	910167	1892578	29.61%	2.305%
93	23.727	3591	3594	3601	rVB2	459072	898877	14.06%	1.095%
94	26.003	3973	3981	3993	rVB	853560	2610650	40.85%	3.180%
95	26.721	4096	4103	4111	rVB	465723	1225955	19.18%	1.493%

Sum of corrected areas: 82098771

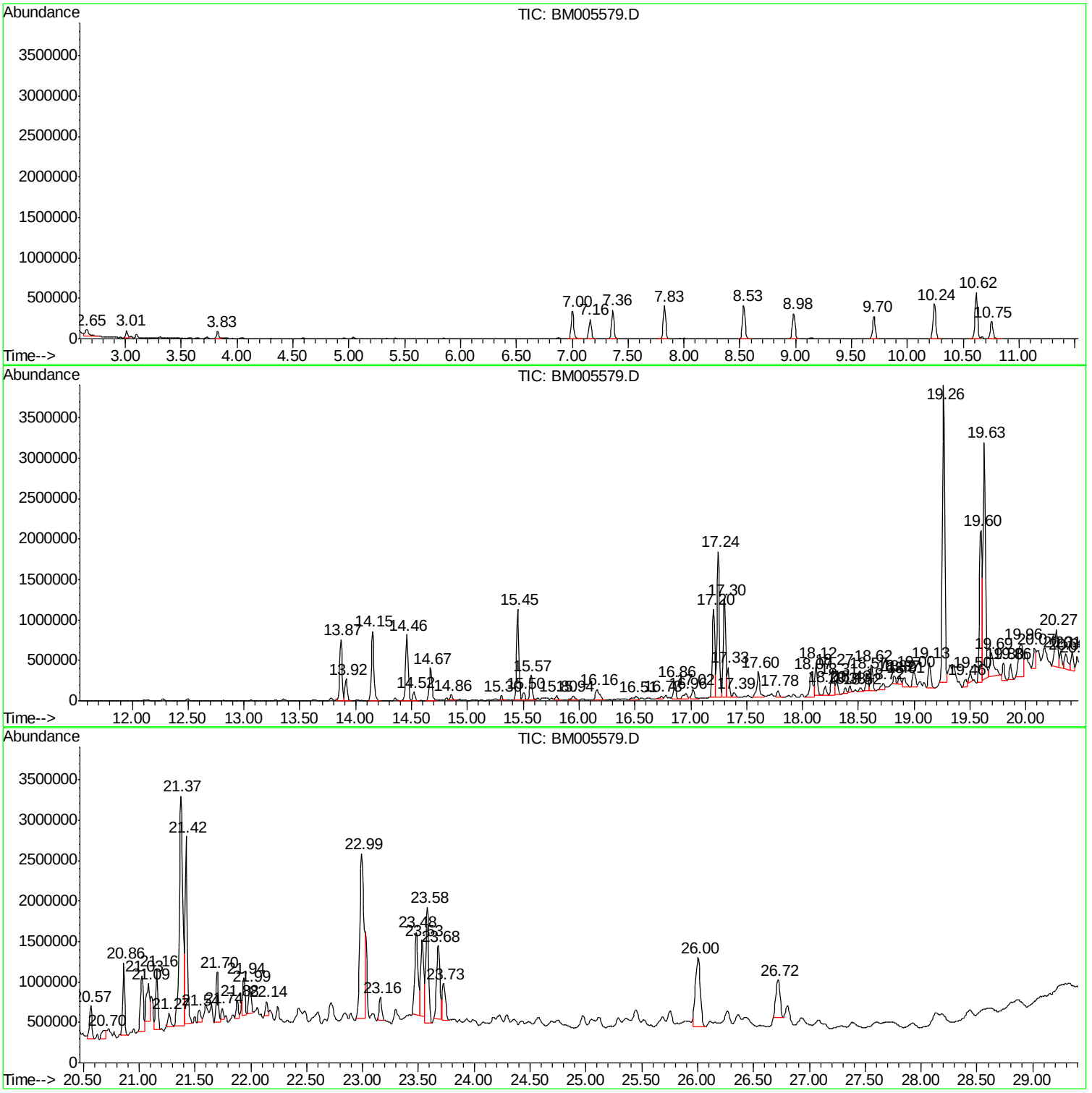
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005579.D
Acq On : 22 May 2016 08:28
Operator : UM/SJ
Sample : H2890-07
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005579.D
Acq On : 22 May 2016 08:28
Operator : UM/SJ
Sample : H2890-07
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

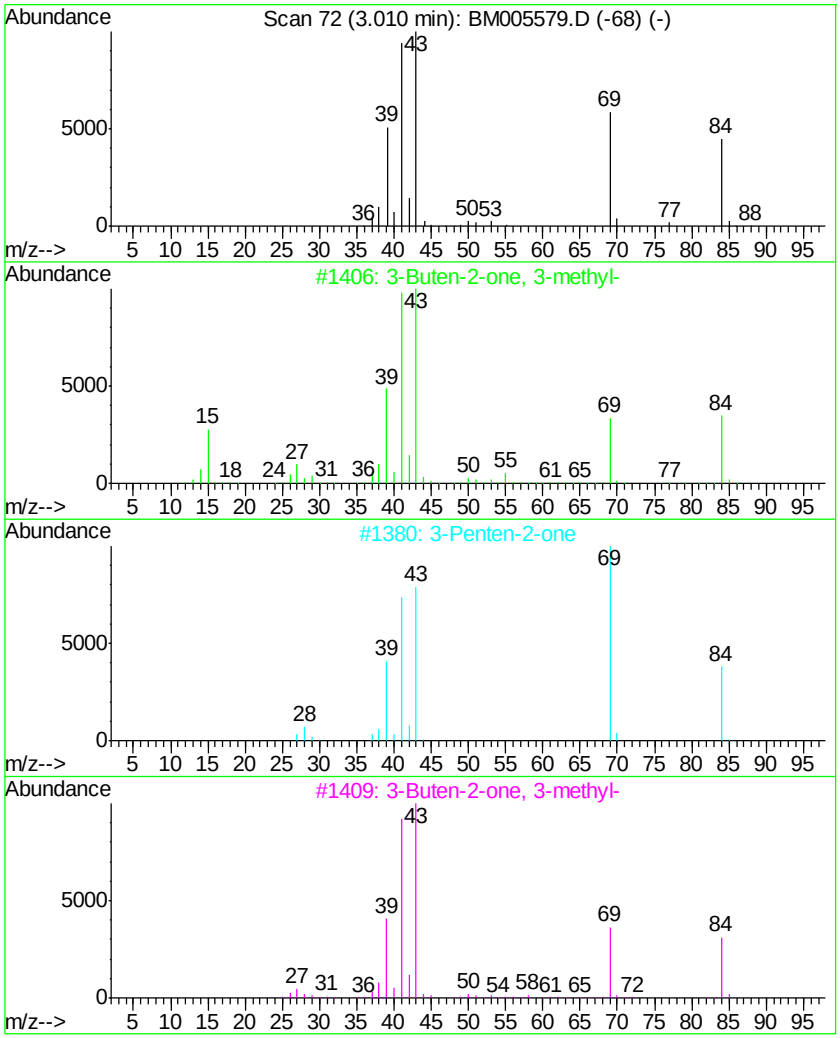
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

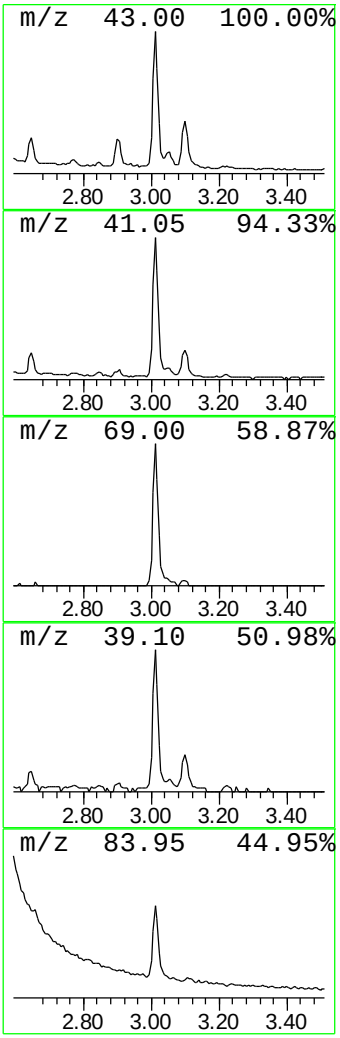
****

Peak Number 2 3-Buten-2-one, 3-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.01	2.94 ng/ul	99142	1,4-Dichlorobenzene-d4	7.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	90
2	3-Penten-2-one	84	C5H8O	000625-33-2	90
3	3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	90
4	3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	53
5	Ethanone, 1-cyclopropyl-	84	C5H8O	000765-43-5	52





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005579.D
Acq On : 22 May 2016 08:28
Operator : UM/SJ
Sample : H2890-07
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

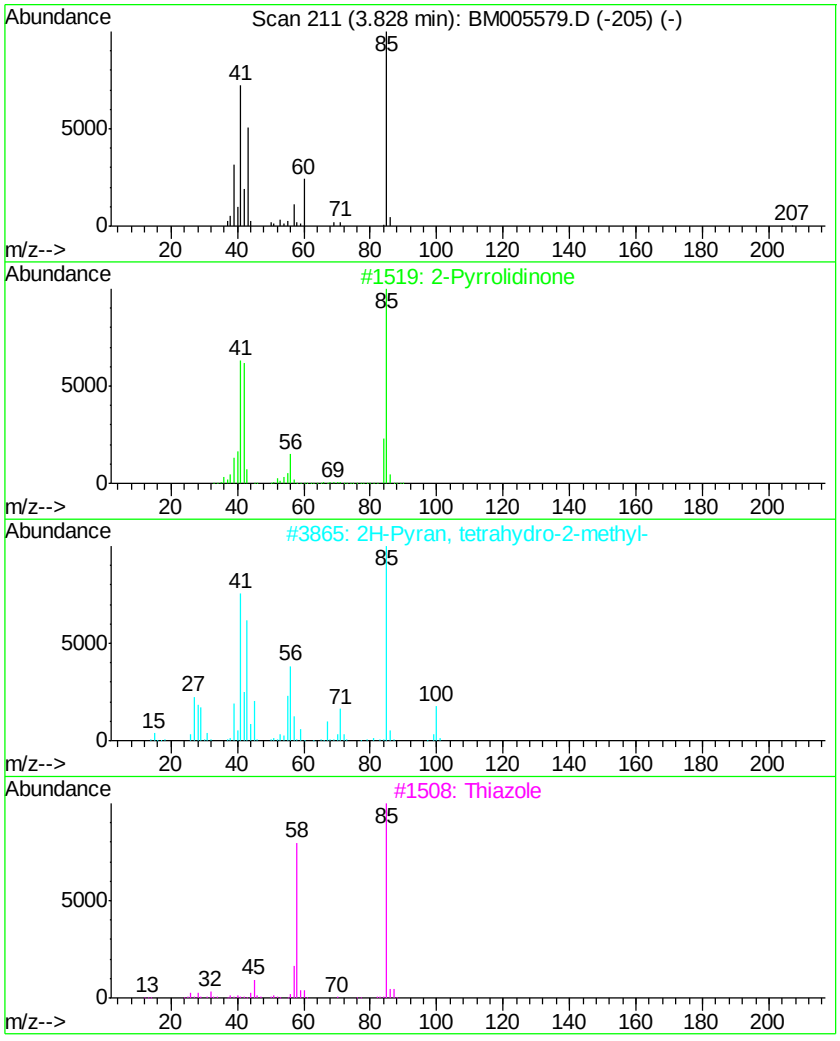
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

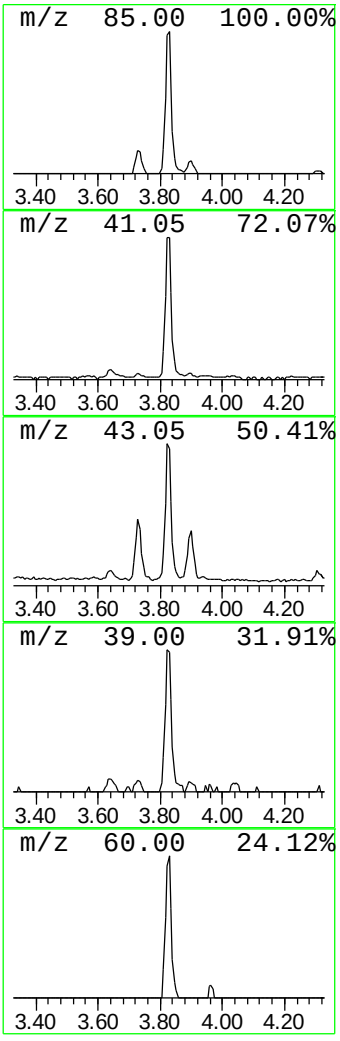
****

Peak Number 3 unknown-01 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.83	3.72 ng/ul	125542	1,4-Dichlorobenzene-d4	7.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pyrrolidinone	85	C4H7NO	000616-45-5	40
2	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	38
3	Thiazole	85	C3H3NS	000288-47-1	25
4	2-Pyrrolidinone	85	C4H7NO	000616-45-5	9
5	3-Aminopyrrolidine	86	C4H10N2	079286-79-6	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005579.D
Acq On : 22 May 2016 08:28
Operator : UM/SJ
Sample : H2890-07
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

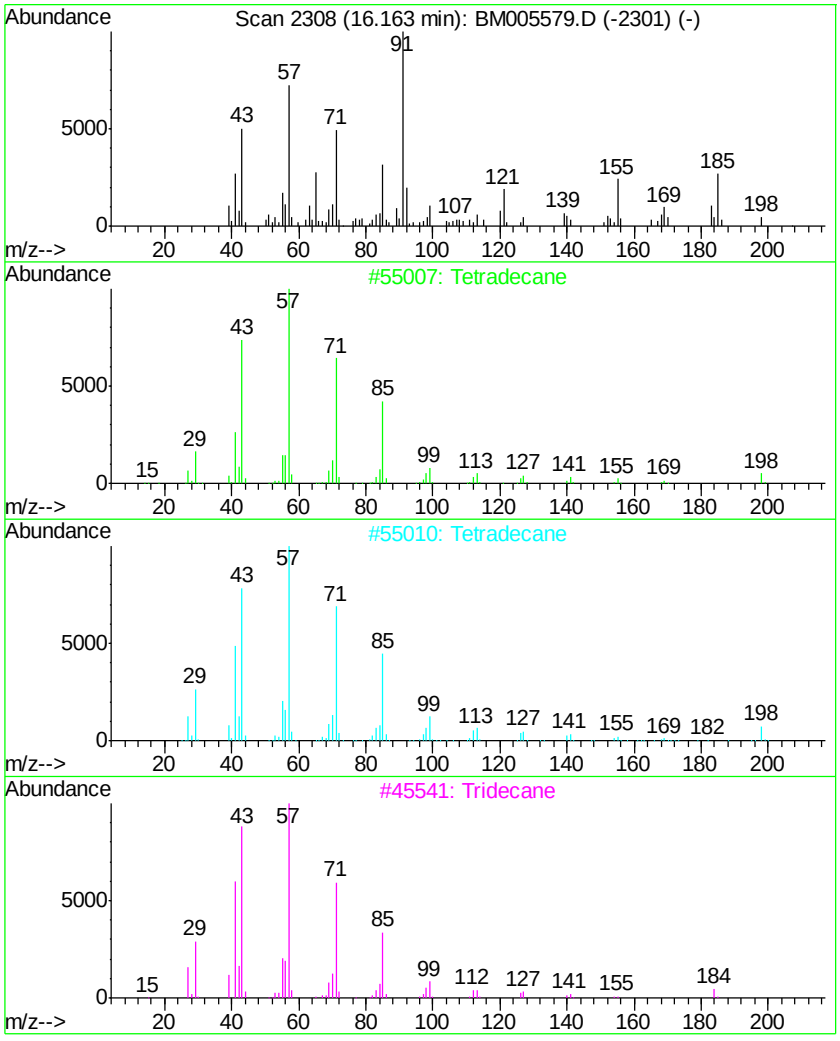
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

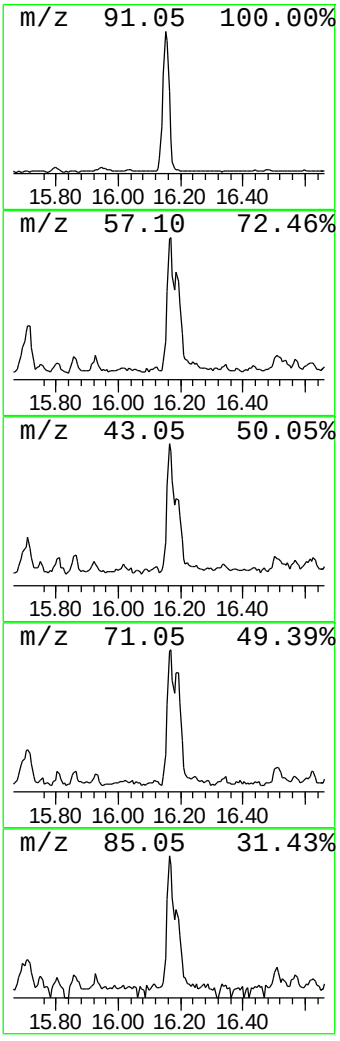
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.16	3.84 ng/ul	314379	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	93
2	Tetradecane	198	C14H30	000629-59-4	56
3	Tridecane	184	C13H28	000629-50-5	49
4	Tridecane	184	C13H28	000629-50-5	42
5	Dodecane	170	C12H26	000112-40-3	42





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005579.D
Acq On : 22 May 2016 08:28
Operator : UM/SJ
Sample : H2890-07
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

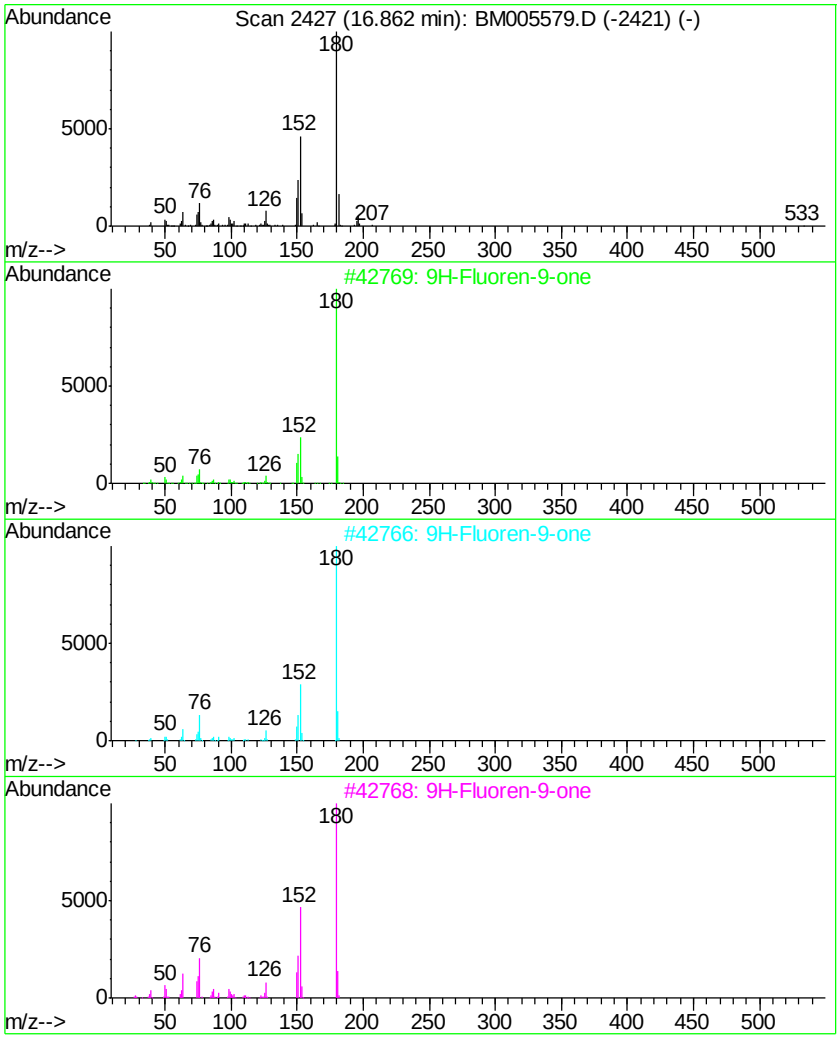
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

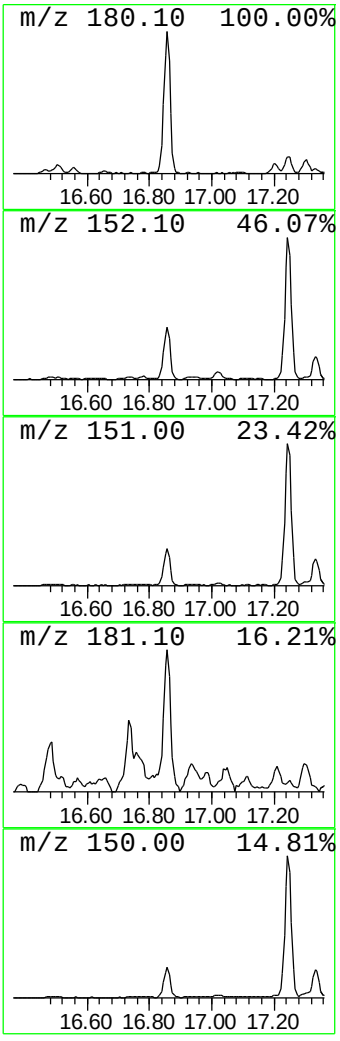
****

Peak Number 5 9H-Fluoren-9-one Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.86	3.97 ng/ul	325135	Phenanthrene-d10	17.20

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





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005579.D
Acq On : 22 May 2016 08:28
Operator : UM/SJ
Sample : H2890-07
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

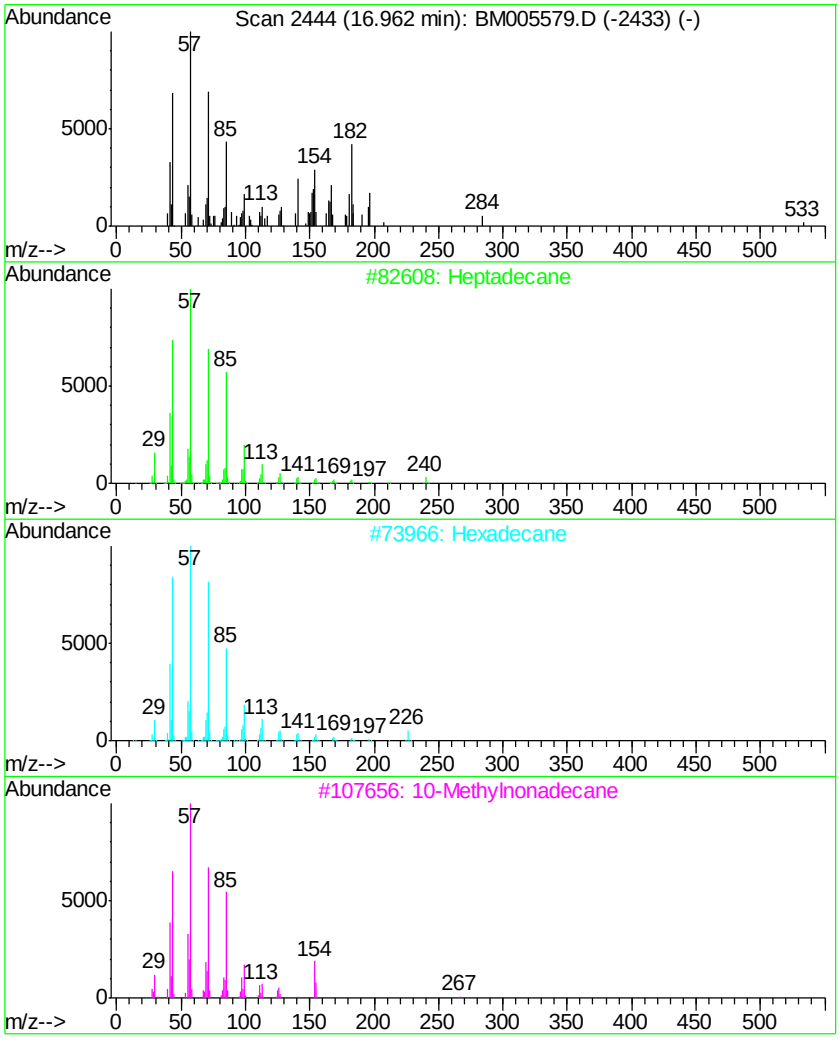
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

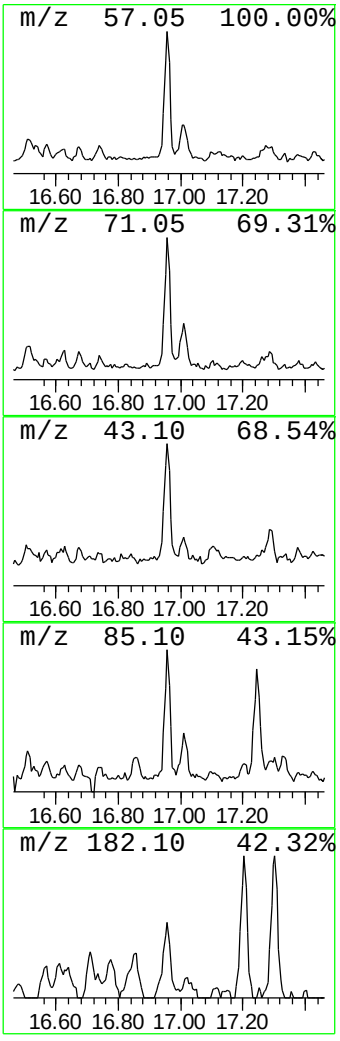
****

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.96	2.20 ng/ul	179707	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	30
2	Hexadecane	226	C16H34	000544-76-3	30
3	10-Methylnonadecane	282	C20H42	056862-62-5	30
4	Hexacosane	366	C26H54	000630-01-3	30
5	Tricosane	324	C23H48	000638-67-5	30





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052116\
Data File : BM005579.D
Acq On : 22 May 2016 08:28
Operator : UM/SJ
Sample : H2890-07
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

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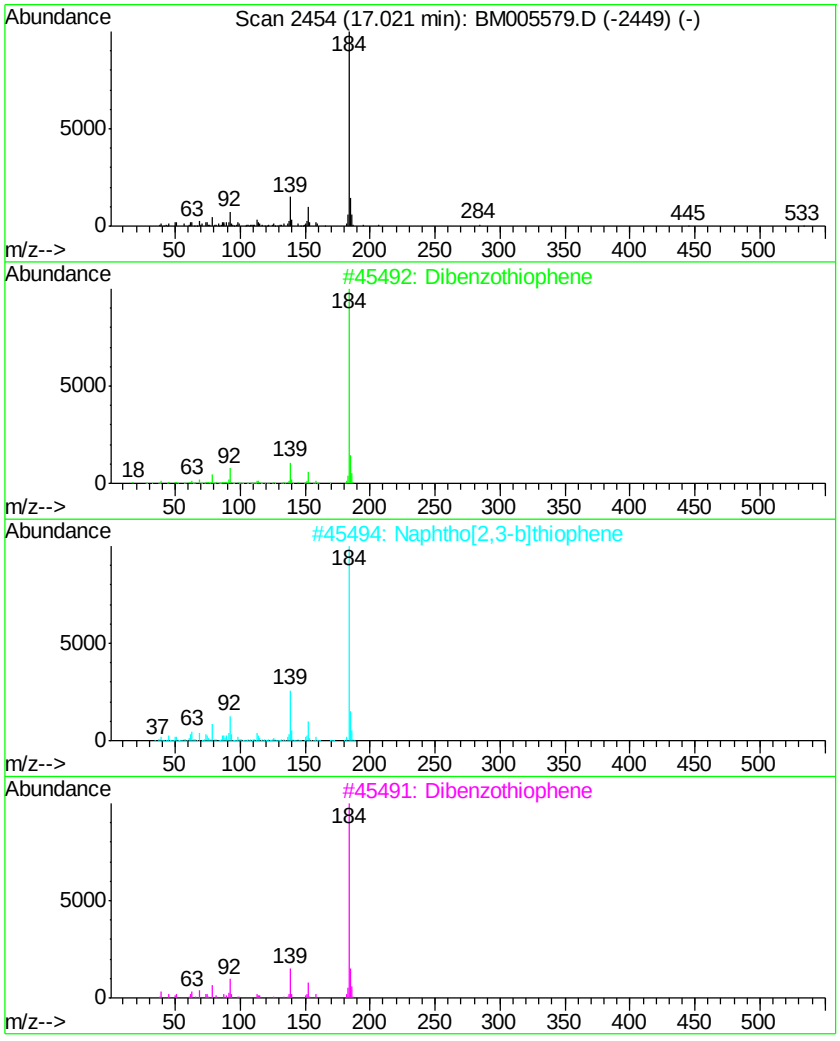
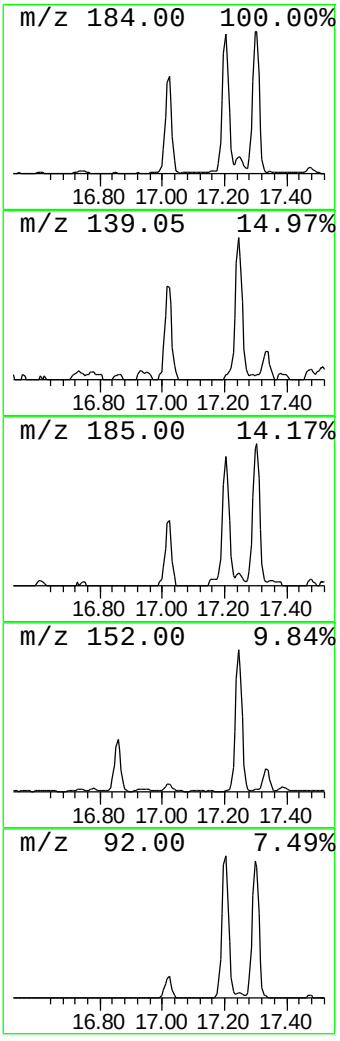
Peak Number 7 Dibenzothiophene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.02	2.36 ng/ul	193141	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	93





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Sample : H2890-07
Misc :
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Instrument : BNA_M
ClientSampleId : D9WT3

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Quant Title : SVOA CALIBRATION

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

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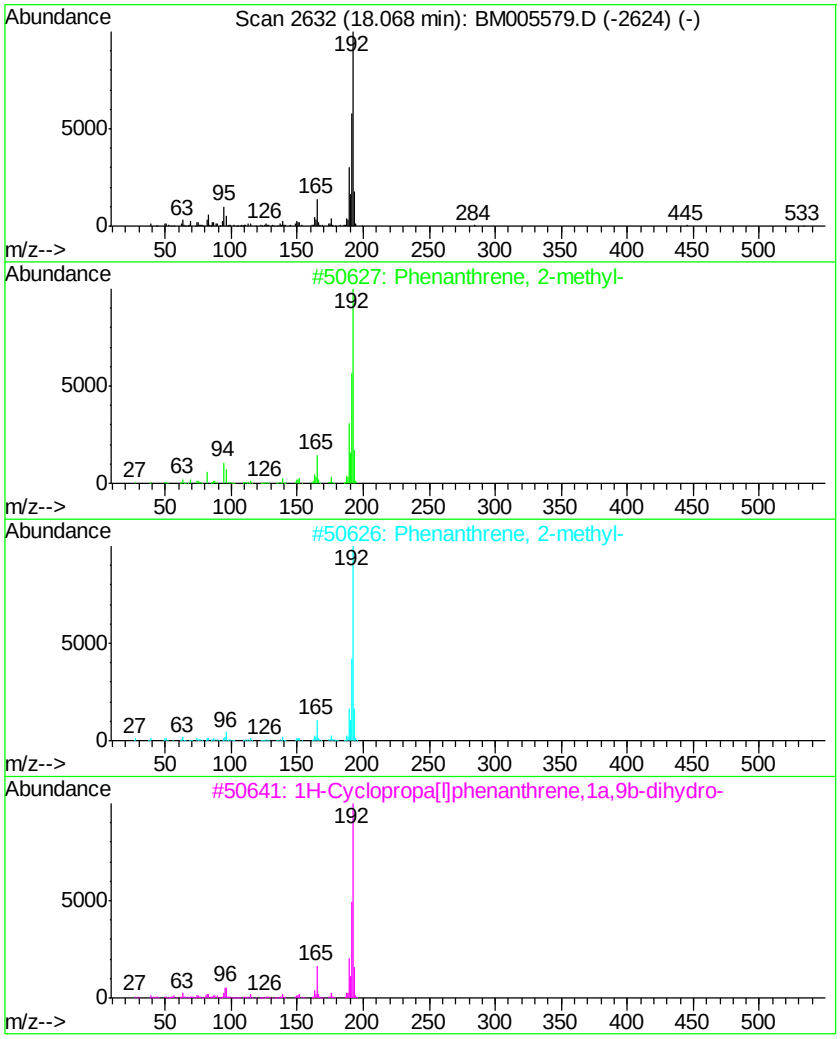
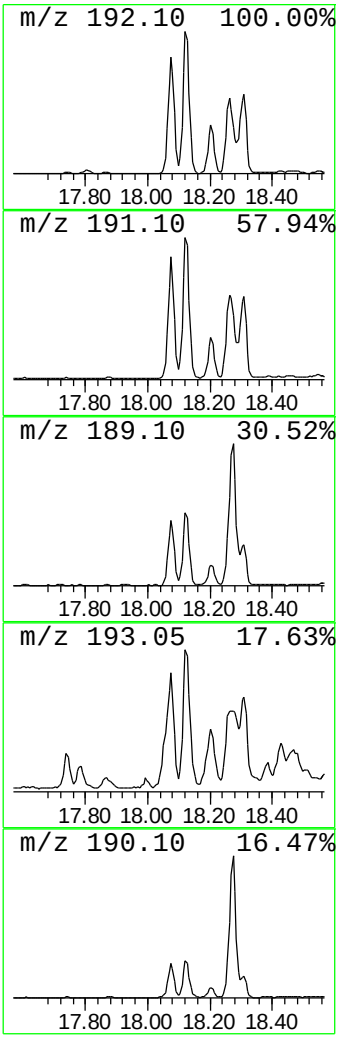
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	7.34 ng/ul	600697	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





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Quant Title : SVOA CALIBRATION

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

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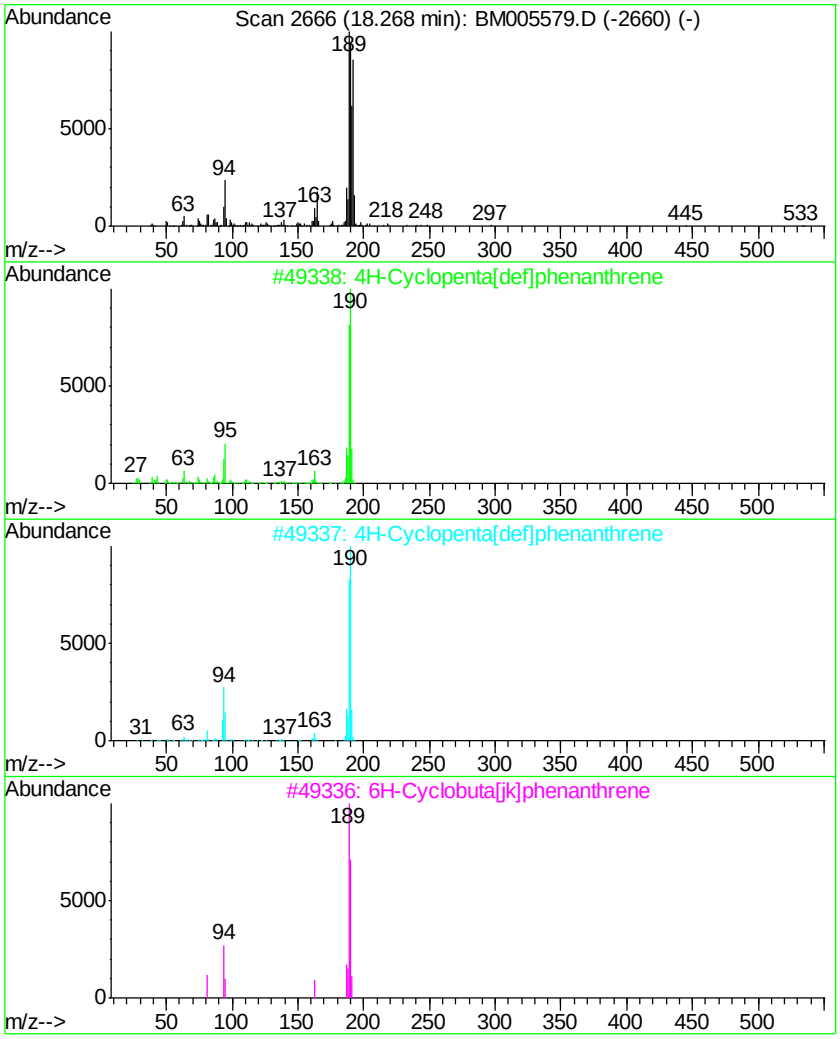
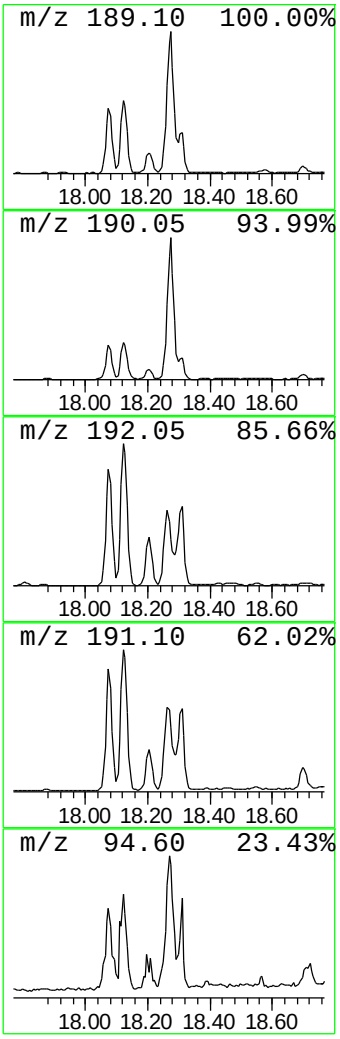
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	7.45 ng/ul	609668	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42





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Quant Title : SVOA CALIBRATION

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

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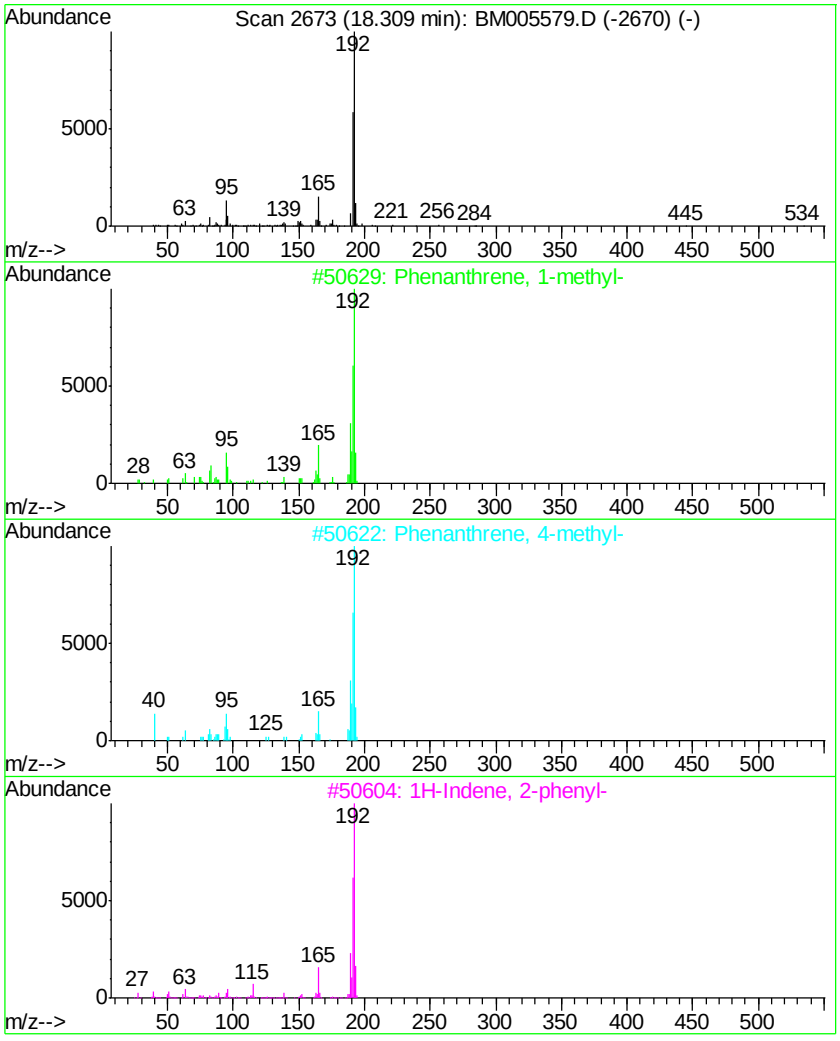
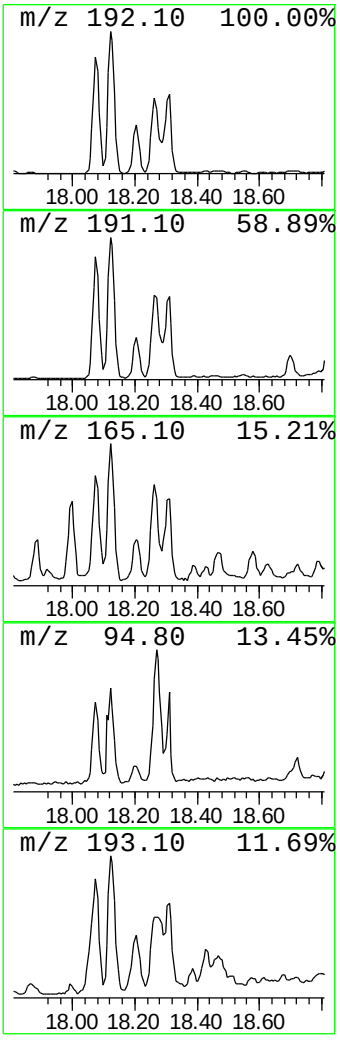
Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	3.20 ng/ul	261544	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





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ClientSampleId : D9WT3

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Quant Title : SVOA CALIBRATION

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

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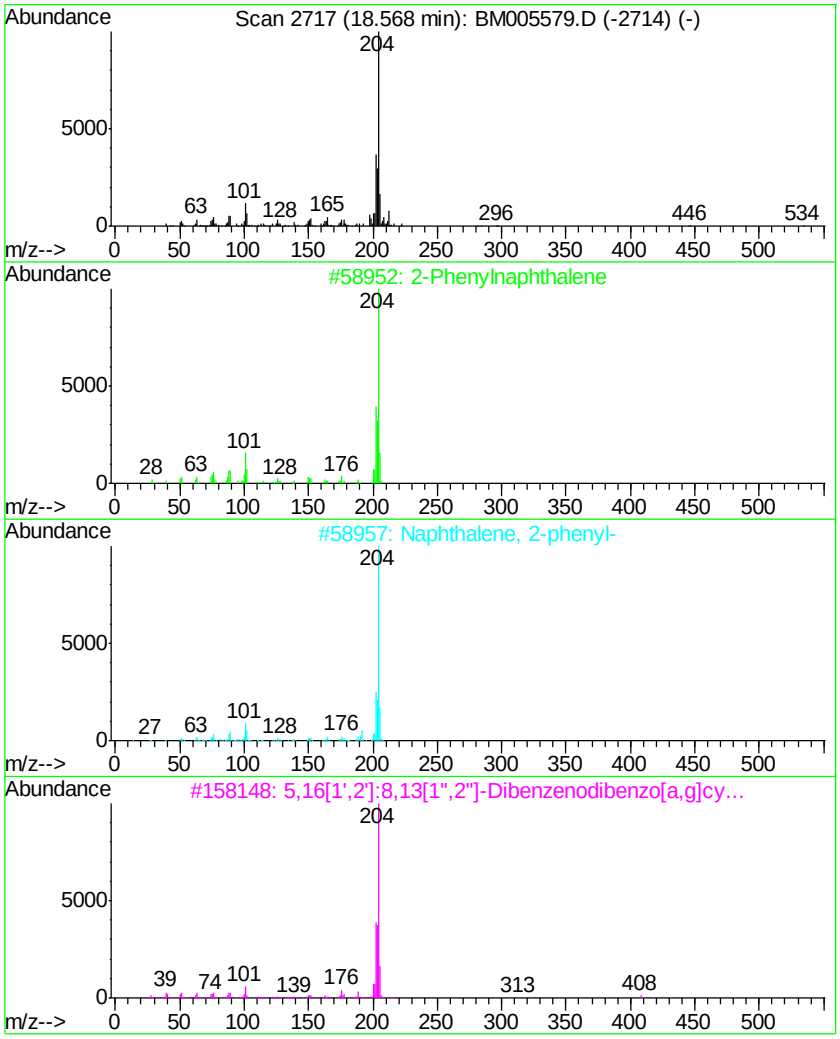
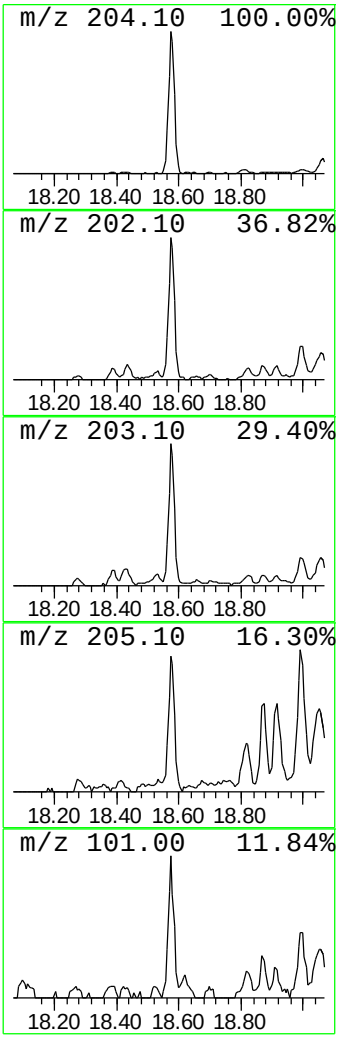
Peak Number 12 2-Phenylnaphthalene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	3.89 ng/ul	318576	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	95
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
4	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	78
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76





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Quant Title : SVOA CALIBRATION

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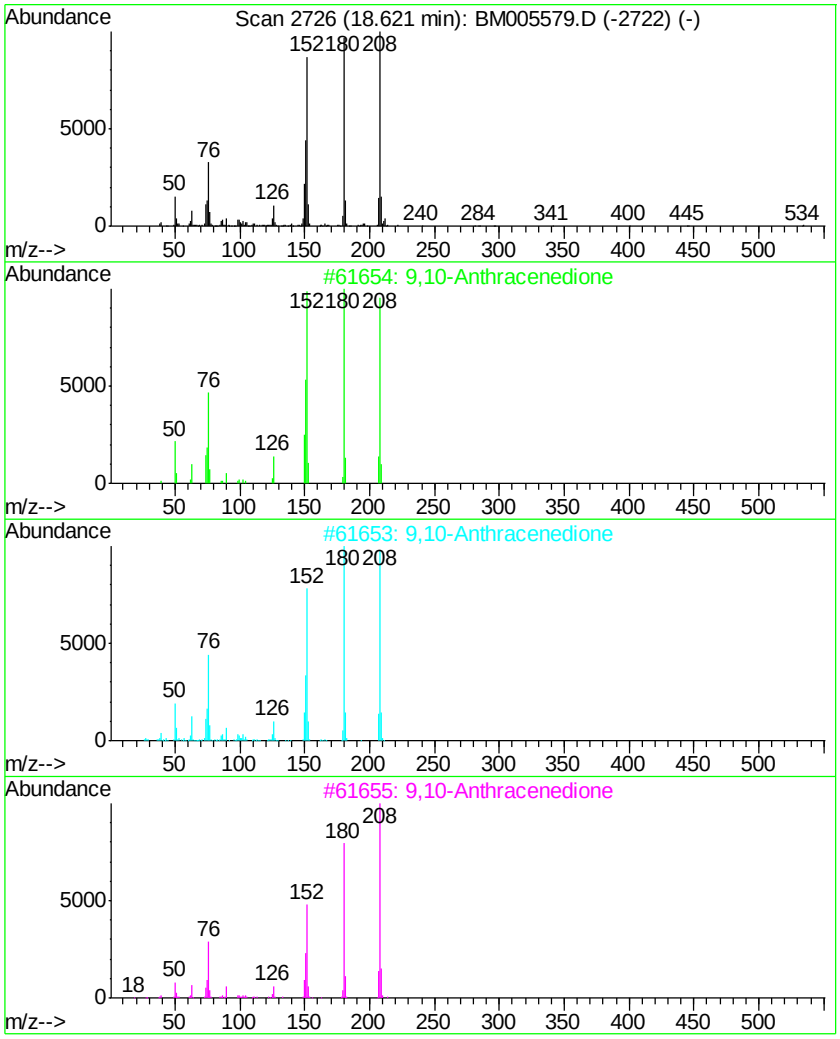
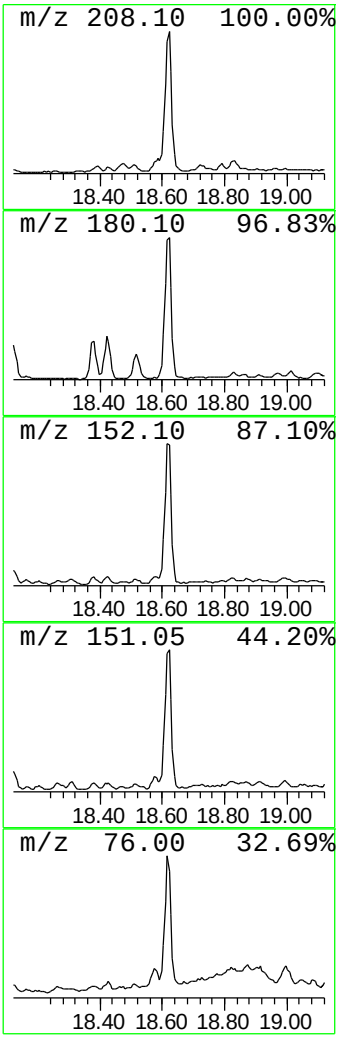
Peak Number 13 9,10-Anthracenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	5.55 ng/ul	454024	Phenanthrene-d10	17.20

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	97
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	95
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	83





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Quant Title : SVOA CALIBRATION

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

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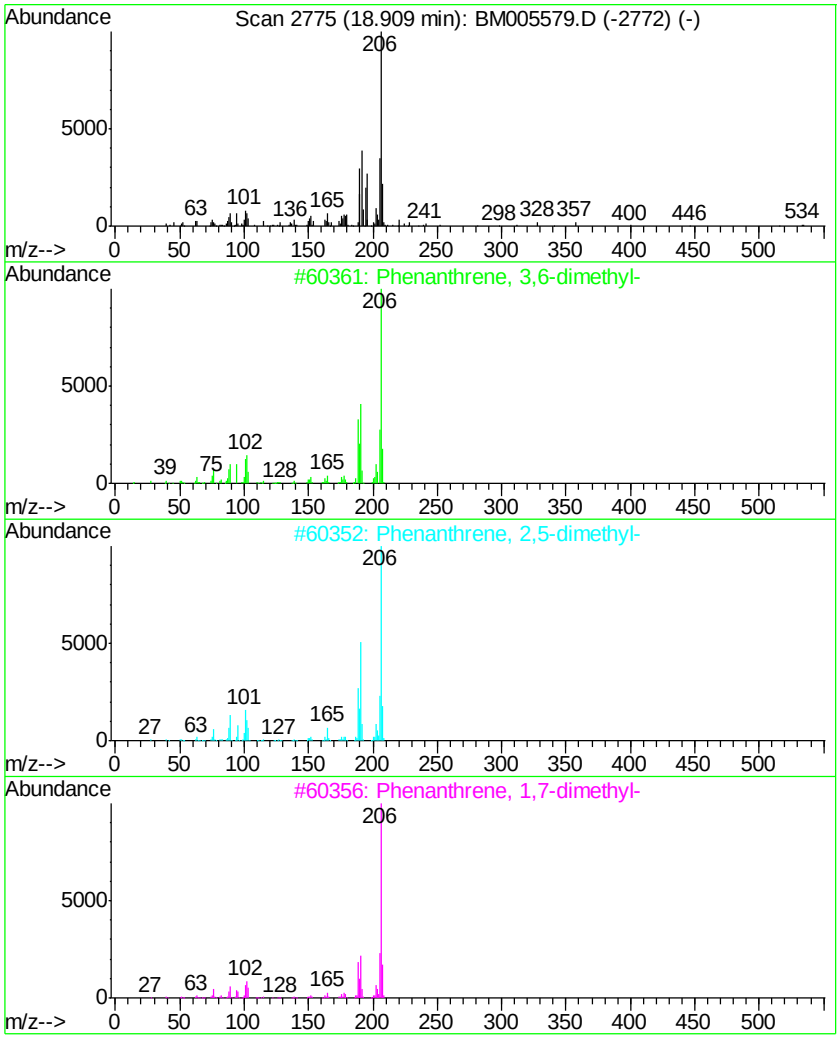
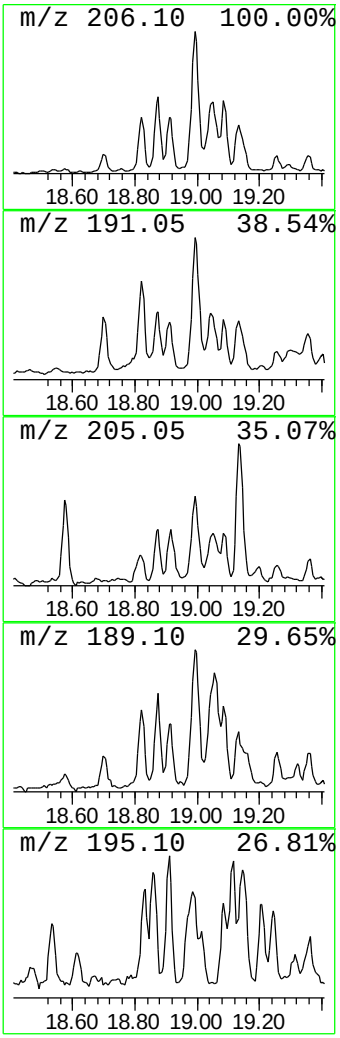
Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.91	2.84 ng/ul	232203	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	86
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	74





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Quant Title : SVOA CALIBRATION

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

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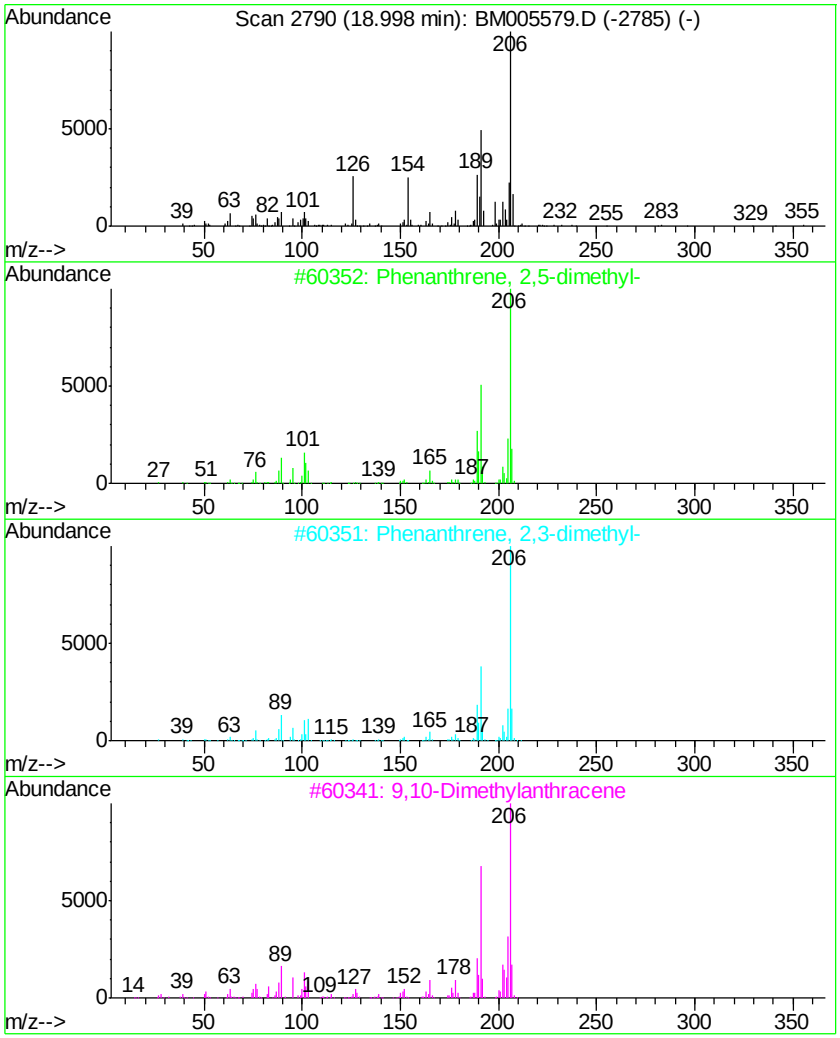
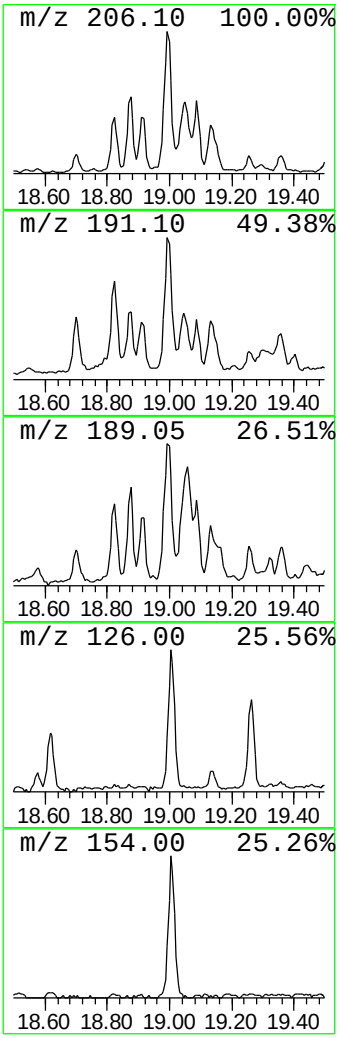
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.00	4.59 ng/ul	375498	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	89
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	89
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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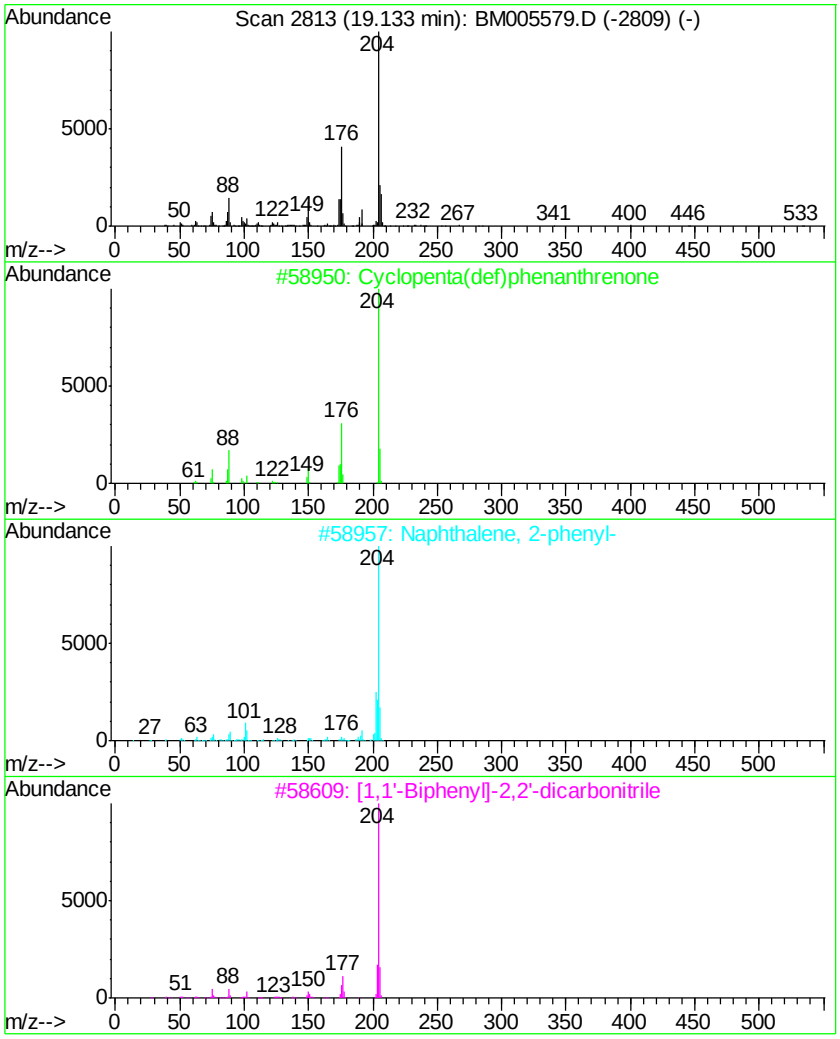
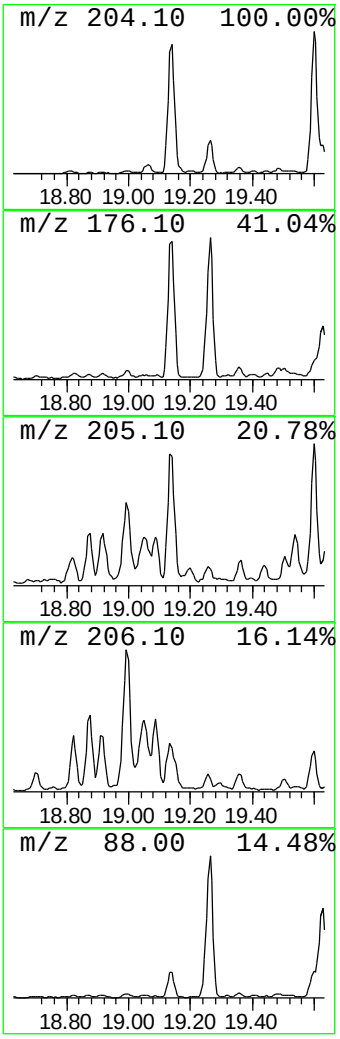
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.13	6.04 ng/ul	493824	Phenanthrene-d10	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43
5	1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	42





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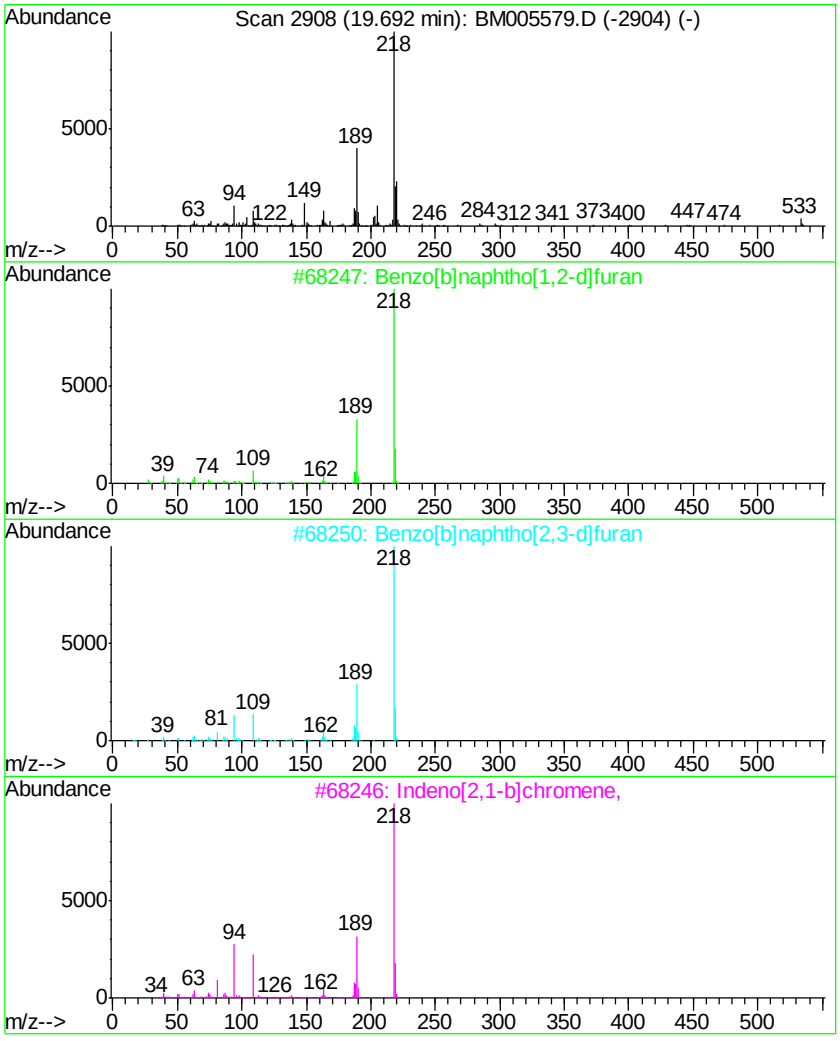
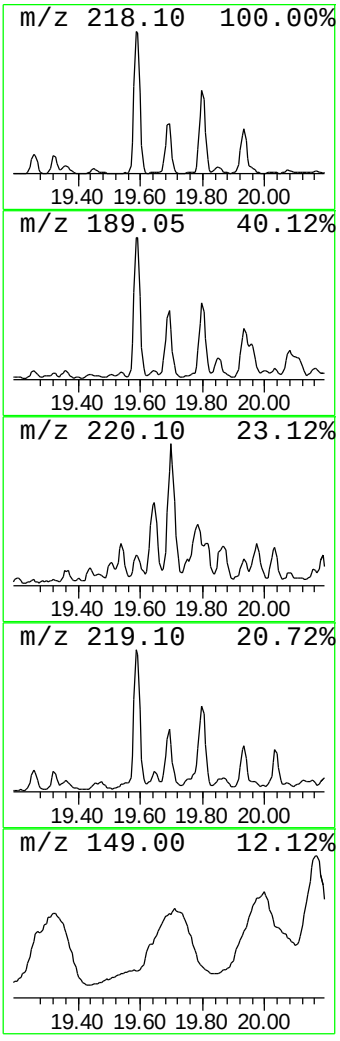
Peak Number 17 Benzo[b]naphtho[1,2-d]furan Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.69	2.25 ng/ul	717475	Chrysene-d12	21.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[1,2-d]furan	218	C16H10O	000239-30-5	93
2	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	89
3	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	89
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	89
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	70





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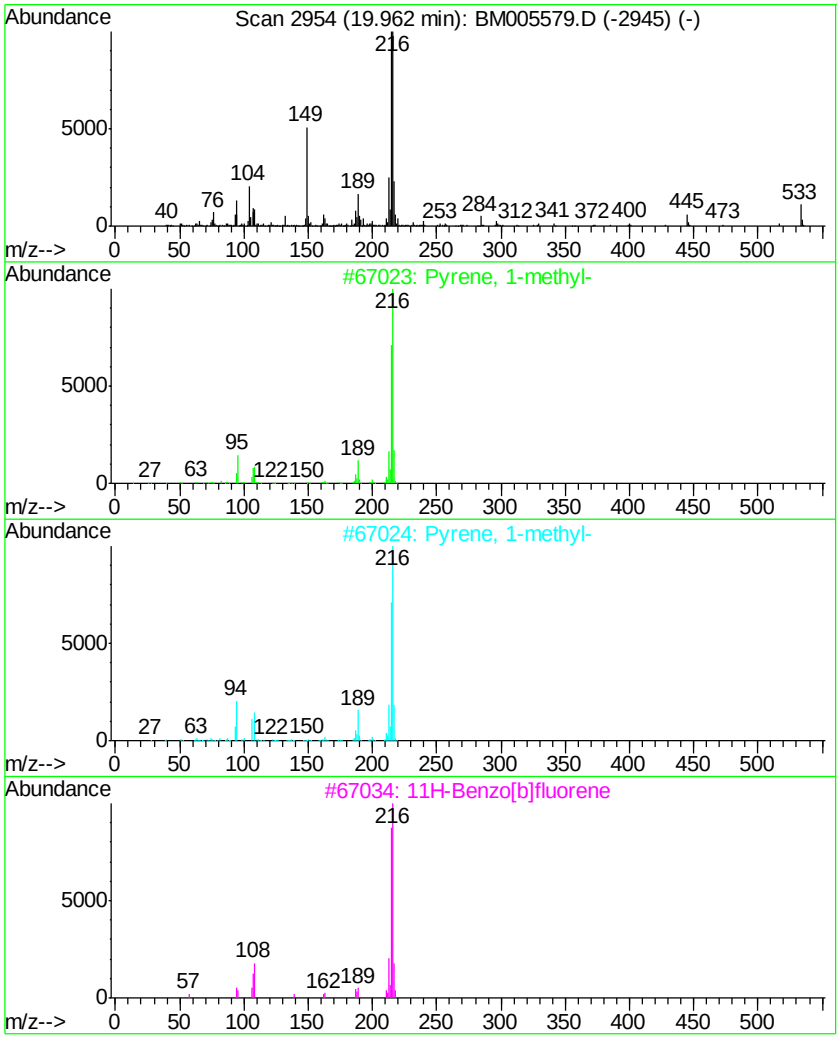
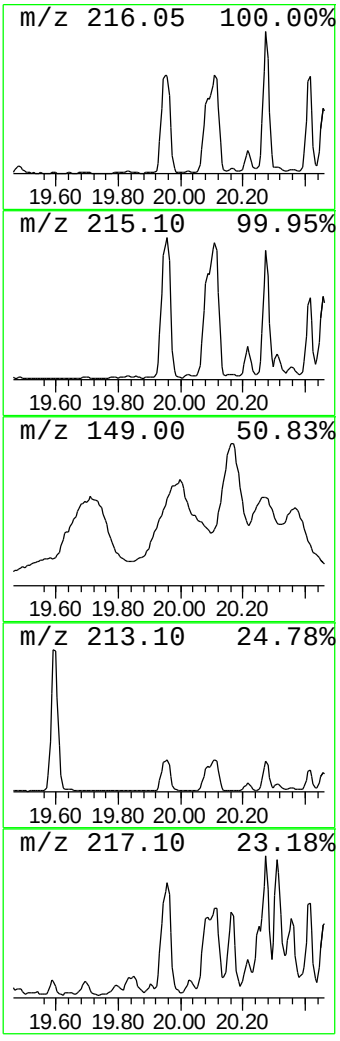
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.96	3.66 ng/ul	1171110	Chrysene-d12	21.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	86
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70





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Peak Number 20 11H-Benzo[a]fluoren-11-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.86	3.61 ng/ul	1153240	Chrysene-d12	21.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	93
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	83
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
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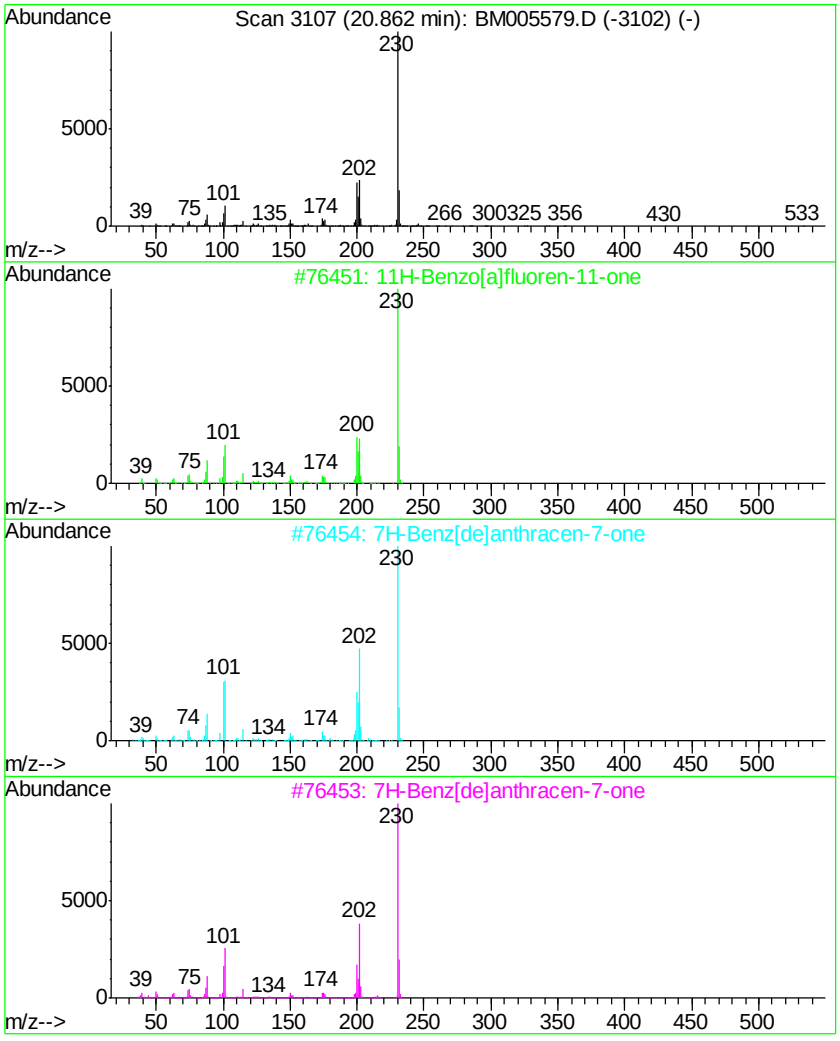

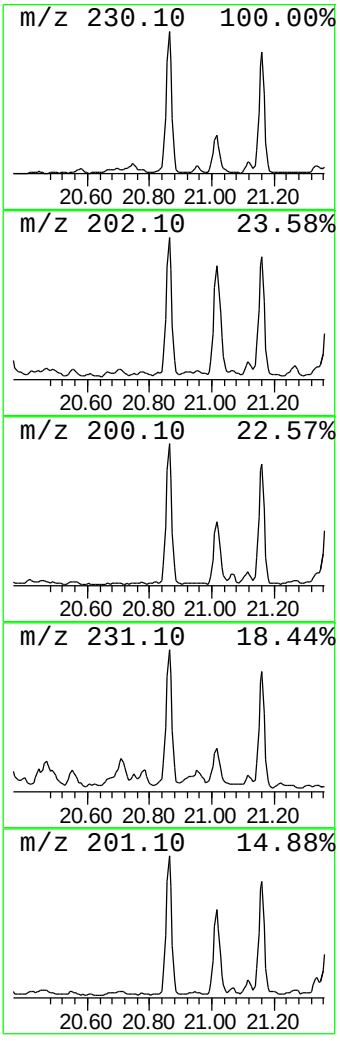

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Data File : BM005579.D
Acq On : 22 May 2016 08:28
Operator : UM/SJ
Sample : H2890-07
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

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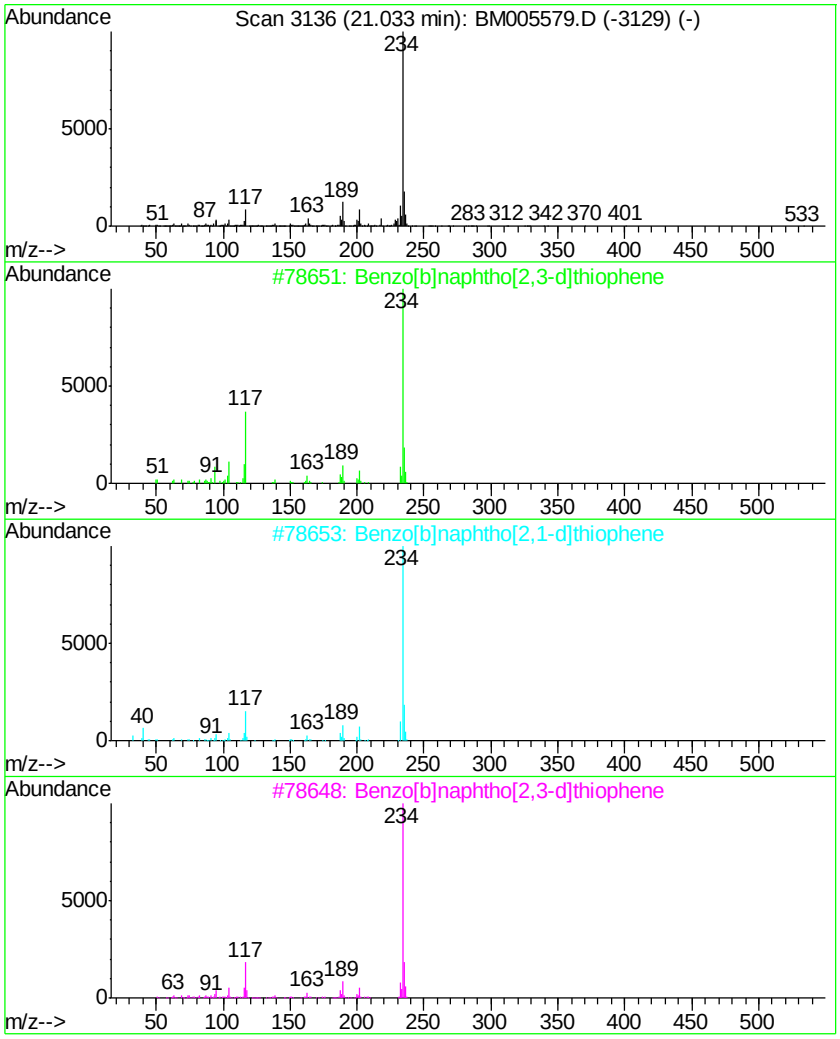
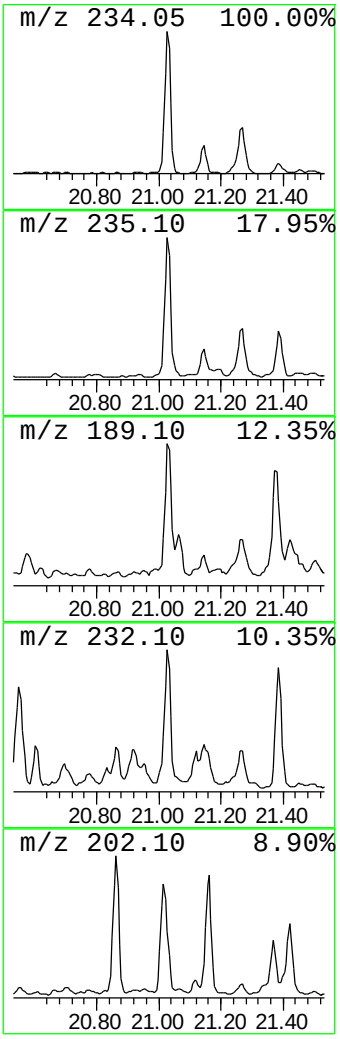
Peak Number 21 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.03	3.88 ng/ul	1241360	Chrysene-d12	21.39

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





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ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

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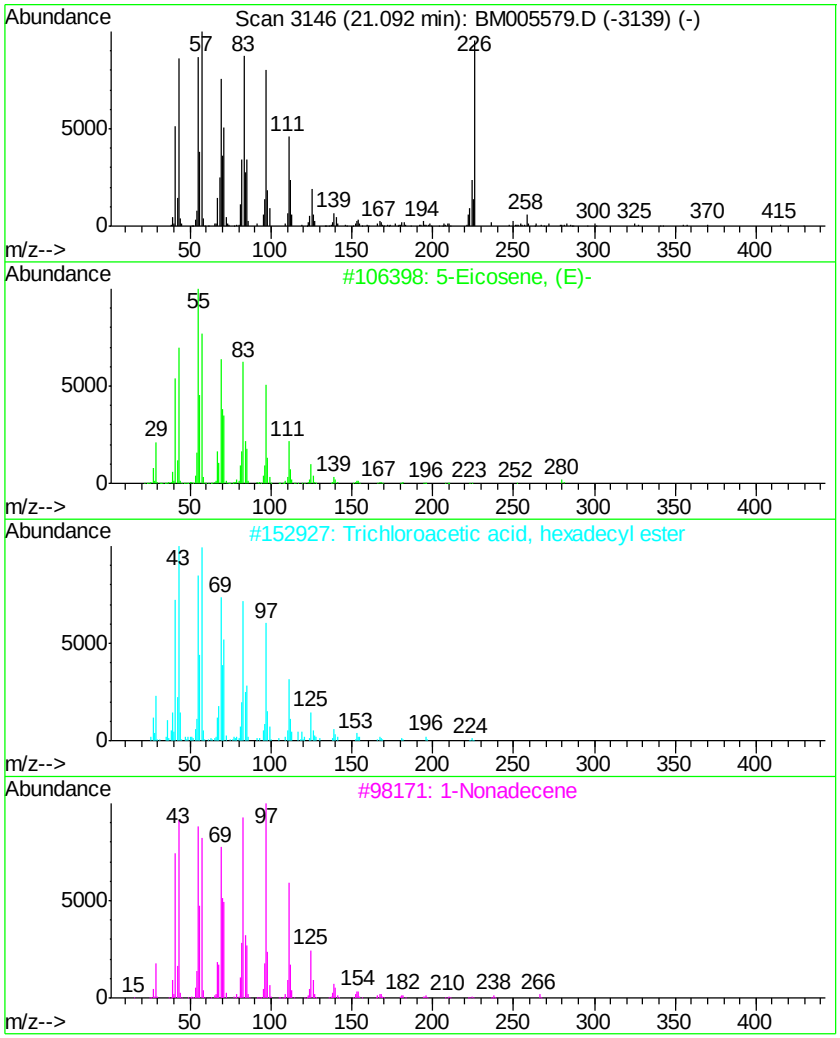
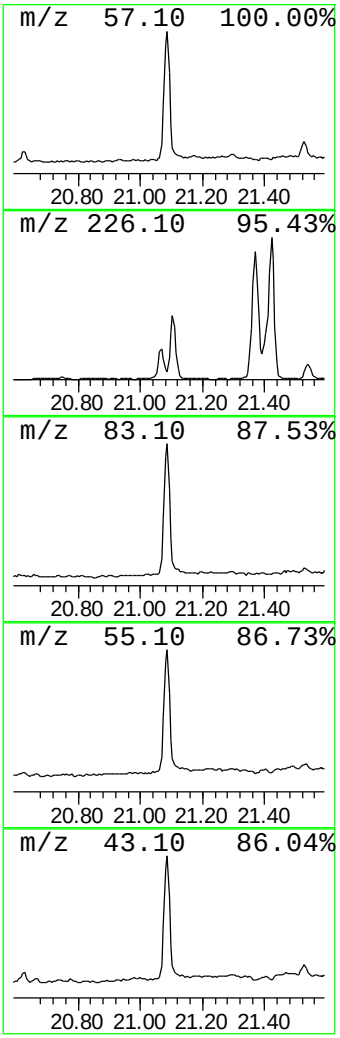
Peak Number 22 (DEL) Alkane: Cyclic21.09 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.09	2.83 ng/ul	905383	Chrysene-d12	21.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	99
2	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91
3	1-Nonadecene	266	C19H38	018435-45-5	91
4	3-Eicosene, (E)-	280	C20H40	074685-33-9	91
5	Trifluoroacetic acid, n-octadecy...	366	C20H37F3O2	079392-43-1	91





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Data File : BM005579.D
Acq On : 22 May 2016 08:28
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Sample : H2890-07
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

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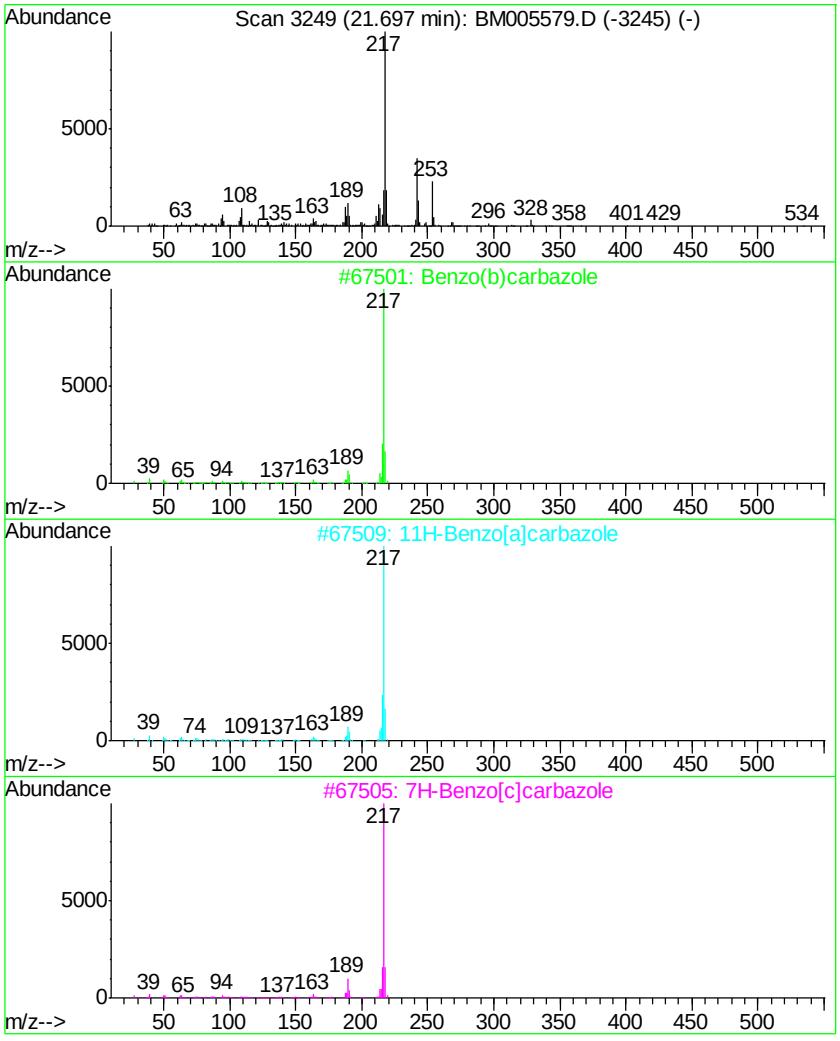
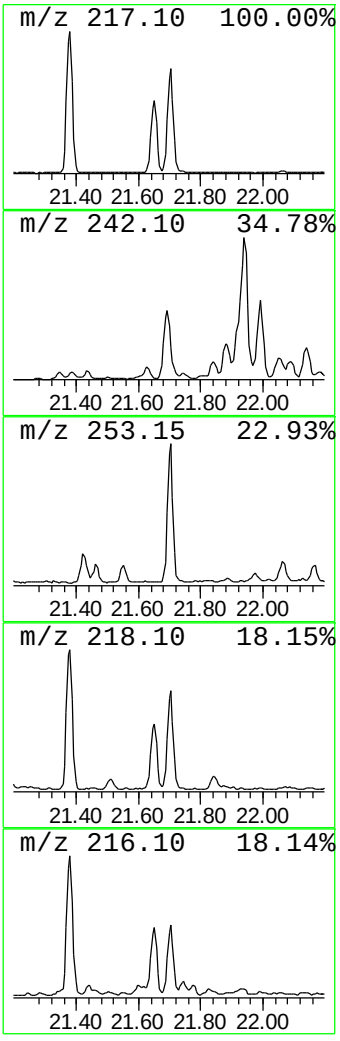
Peak Number 24 Benzo(b)carbazole Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.70	2.87 ng/ul	917246	Chrysene-d12	21.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(b)carbazole	217	C16H11N	000243-28-7	70
2	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	70
3	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	70
4	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	70
5	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	64





Tentatively Identified Compound (LSC) summary

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Data File : BM005579.D
Acq On : 22 May 2016 08:28
Operator : UM/SJ
Sample : H2890-07
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9WT3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM052016.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
3-Buten-2-one, 3-...	3.01	2.9	ng/ul	99142	1	7.83	674808	20.0
unknown-01	3.83	3.7	ng/ul	125542	1	7.83	674808	20.0
(DEL) Alkane: Str...	16.16	3.8	ng/ul	314379	4	17.20	1636270	20.0
9H-Fluoren-9-one	16.86	4.0	ng/ul	325135	4	17.20	1636270	20.0
(DEL) Alkane: Str...	16.96	2.2	ng/ul	179707	4	17.20	1636270	20.0
Dibenzothiophene	17.02	2.4	ng/ul	193141	4	17.20	1636270	20.0
Phenanthrene, 2-m...	18.07	7.3	ng/ul	600697	4	17.20	1636270	20.0
4H-Cyclopenta[def...	18.27	7.5	ng/ul	609668	4	17.20	1636270	20.0
Phenanthrene, 1-m...	18.31	3.2	ng/ul	261544	4	17.20	1636270	20.0
2-Phenylnaphthalene	18.57	3.9	ng/ul	318576	4	17.20	1636270	20.0
9,10-Anthracenedione	18.62	5.5	ng/ul	454024	4	17.20	1636270	20.0
Phenanthrene, 3,6...	18.91	2.8	ng/ul	232203	4	17.20	1636270	20.0
Phenanthrene, 2,5...	19.00	4.6	ng/ul	375498	4	17.20	1636270	20.0
Cyclopenta(def)ph...	19.13	6.0	ng/ul	493824	4	17.20	1636270	20.0
Benzo[b]naphtho[1...	19.69	2.3	ng/ul	717475	5	21.39	6391130	20.0
Pyrene, 1-methyl-	19.96	3.7	ng/ul	1171110	5	21.39	6391130	20.0
11H-Benzo[a]fluor...	20.86	3.6	ng/ul	1153240	5	21.39	6391130	20.0
Benzo[b]naphtho[2...	21.03	3.9	ng/ul	1241360	5	21.39	6391130	20.0
(DEL) Alkane: Cyc...	21.09	2.8	ng/ul	905383	5	21.39	6391130	20.0
Benzo(b)carbazole	21.70	2.9	ng/ul	917246	5	21.39	6391130	20.0