LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012842.D
Acq On : 09 Nov 2017 04:16
Operator : SJ/JU
Sample : I6032-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-31(5-5.5)-101817

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\SOM-EPA-BM110417MA.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	4.022	153	159	170	rVB	772764	1096434	4.01%	0.425%
2	5.457	397	403	415	rBV	510799	1043313	3.82%	0.405%
3	5.822	459	465	472	rVB	447208	634426	2.32%	0.246%
4	6.981	651	662	667	rBV	556878	1206015	4.41%	0.468%
5	7.134	682	688	694	rBV	448005	705887	2.58%	0.274%
6	7.339	717	723	731	rVB	610315	976140	3.57%	0.379%
7	7.422	731	737	740	rVV	520634	779951	2.85%	0.303%
8	7.451	740	742	749	rVB	254581	290525	1.06%	0.113%
9	7.804	791	802	811	rBV	611552	1131717	4.14%	0.439%
10	7.934	816	824	829	rBV2	181749	393548	1.44%	0.153%
11	8.516	916	923	928	rBV	675394	1073668	3.93%	0.417%
12	8.898	978	988	993	rBV2	131242	302474	1.11%	0.117%
13	8.963	993	999	1004	rVV	573871	1012405	3.70%	0.393%
14	9.022	1004	1009	1019	rVB	506159	794239	2.90%	0.308%
15	9.680	1114	1121	1132	rBV	482842	863161	3.16%	0.335%
16	10.222	1207	1213	1220	rVB	786724	1308403	4.78%	0.508%
17	10.592	1266	1276	1281	rBV	851430	1734044	6.34%	0.673%
18	10.645	1281	1285	1292	rVB	353188	574441	2.10%	0.223%
19	10.733	1292	1300	1310	rBV2	364932	771322	2.82%	0.299%
20	13.851	1825	1830	1834	rVV	1427919	2020923	7.39%	0.784%
21	13.898	1834	1838	1846	rVB	353515	511896	1.87%	0.199%
22	14.133	1872	1878	1888	rBV	1559197	2527852	9.24%	0.981%
23	14.445	1920	1931	1936	rBV2	1250429	2021712	7.39%	0.784%
24	14.510	1936	1942	1949	rVB	774787	1206003	4.41%	0.468%
25	14.668	1961	1969	1975	rBV2	324496	631648	2.31%	0.245%
26	14.745	1976	1982	1988	rVV2	139593	297355	1.09%	0.115%
27	14.839	1990	1998	2006	rVB	619923	1053301	3.85%	0.409%
28	14.992	2015	2024	2031	rBV	1608777	2279935	8.34%	0.885%
29	15.439	2093	2100	2105	rBV	1980984	2857722	10.45%	1.109%
30	15.492	2105	2109	2120	rVB	927017	1388821	5.08%	0.539%
31	15.786	2154	2159	2168	rVB	401169	631625	2.31%	0.245%
32	15.933	2177	2184	2191	rBV	422528	799123	2.92%	0.310%
33	16.727	2310	2319	2322	rBV3	238037	504674	1.85%	0.196%
34	16.851	2335	2340	2347	rVB	695632	994932	3.64%	0.386%

LSC Area Percent Report

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Acq On : 09 Nov 2017 04:16
Operator : SJ/JU
Sample : I6032-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-31(5-5.5)-101817

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\SOM-EPA-BM110417MA.M
Title : SVOA CALIBRATION

35	16.945	2347	2356	2357	rBV3	379284	814345	2.98%	0.316%
36	16.968	2357	2360	2363	rVV	445186	723957	2.65%	0.281%
37	17.009	2363	2367	2376	rVB	1008101	1571905	5.75%	0.610%
38	17.198	2393	2399	2401	rBV2	1183478	1840552	6.73%	0.714%
39	17.251	2401	2408	2412	rVV	15992961	24842445	90.85%	9.639%
40	17.298	2412	2416	2418	rVV	2007340	2781737	10.17%	1.079%
41	17.333	2418	2422	2426	rVV	3973328	5476348	20.03%	2.125%
42	17.598	2462	2467	2471	rBV	737725	1023827	3.74%	0.397%
43	17.709	2482	2486	2490	rVB	238292	304140	1.11%	0.118%
44	17.774	2492	2497	2505	rVB3	243384	454139	1.66%	0.176%
45	18.068	2542	2547	2551	rBV	1435066	2340899	8.56%	0.908%
46	18.115	2551	2555	2560	rVV	2095740	2924053	10.69%	1.135%
47	18.198	2564	2569	2574	rVB	752392	1019545	3.73%	0.396%
48	18.268	2574	2581	2584	rBV2	1837656	3298811	12.06%	1.280%
49	18.298	2584	2586	2593	rVB	941314	1098198	4.02%	0.426%
50	18.468	2611	2615	2618	rBV5	168726	289109	1.06%	0.112%
51	18.568	2627	2632	2636	rVB	1227064	1598377	5.85%	0.620%
52	18.621	2636	2641	2645	rBV	788087	1052940	3.85%	0.409%
53	18.809	2669	2673	2678	rVB2	765867	1070371	3.91%	0.415%
54	18.862	2679	2682	2686	rVV2	303935	431346	1.58%	0.167%
55	18.903	2686	2689	2692	rVB	242929	279662	1.02%	0.109%
56	18.986	2698	2703	2707	rBV	580985	1108711	4.05%	0.430%
57	19.139	2724	2729	2735	rVB2	755817	1233110	4.51%	0.478%
58	19.268	2743	2751	2755	rBV	18138809	27345693	100.00%	10.610%
59	19.303	2755	2757	2762	rVB2	615956	799688	2.92%	0.310%
60	19.362	2762	2767	2770	rBV2	465630	701232	2.56%	0.272%
61	19.497	2786	2790	2794	rVB	552703	676129	2.47%	0.262%
62	19.592	2801	2806	2808	rBV3	4774531	7148640	26.14%	2.774%
63	19.627	2808	2812	2818	rVV	14494561	20592505	75.30%	7.990%
64	19.686	2818	2822	2830	rVV2	738399	1078677	3.94%	0.419%
65	19.792	2837	2840	2846	rVB	863511	1133507	4.15%	0.440%
66	19.856	2848	2851	2856	rVB	359606	515983	1.89%	0.200%
67	19.944	2859	2866	2871	rBV2	816250	2268812	8.30%	0.880%
68	19.992	2872	2874	2877	rVV	248954	277890	1.02%	0.108%
69	20.074	2884	2888	2890	rBV3	607054	964717	3.53%	0.374%
70	20.109	2891	2894	2899	rVB	1630334	2257928	8.26%	0.876%
71	20.209	2907	2911	2914	rBV	1050978	1291748	4.72%	0.501%

LSC Area Percent Report

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Operator : SJ/JU
Sample : I6032-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-31(5-5.5)-101817

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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Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Title : SVOA CALIBRATION

72	20.268	2914	2921	2925	rVB2	988618	2002006	7.32%	0.777%
73	20.409	2942	2945	2949	rBV	479172	488362	1.79%	0.189%
74	20.456	2950	2953	2956	rVB2	536302	630162	2.30%	0.245%
75	20.862	3018	3022	3025	rBV	1579262	1924278	7.04%	0.747%
76	21.021	3045	3049	3052	rBV2	1426815	2178176	7.97%	0.845%
77	21.062	3052	3056	3060	rVV2	1710378	2784385	10.18%	1.080%
78	21.103	3060	3063	3068	rVV2	1344595	2193552	8.02%	0.851%
79	21.162	3069	3073	3078	rVB	1645819	2212997	8.09%	0.859%
80	21.368	3103	3108	3113	rBV3	9329557	15050504	55.04%	5.840%
81	21.421	3113	3117	3125	rVB	8369399	11176660	40.87%	4.337%
82	21.533	3134	3136	3142	rVB	951530	1156093	4.23%	0.449%
83	21.691	3160	3163	3168	rVB2	1041907	1390395	5.08%	0.539%
84	21.933	3201	3204	3210	rVB	1021657	1335403	4.88%	0.518%
85	22.991	3377	3384	3389	rBV	5979702	14546061	53.19%	5.644%
86	23.156	3409	3412	3417	rVB	1086667	1605539	5.87%	0.623%
87	23.480	3461	3467	3471	rBV	3161410	5807228	21.24%	2.253%
88	23.527	3472	3475	3479	rVV2	1501488	2599054	9.50%	1.008%
89	23.580	3479	3484	3492	rVB	5189947	9630952	35.22%	3.737%
90	23.674	3495	3500	3503	rVV	929465	1683948	6.16%	0.653%
91	23.721	3504	3508	3516	rVB	1530571	3037383	11.11%	1.178%
92	26.015	3890	3898	3906	rVB2	2721828	7791817	28.49%	3.023%
93	26.726	4014	4019	4038	rVB	1745093	5458109	19.96%	2.118%

Sum of corrected areas: 257734375

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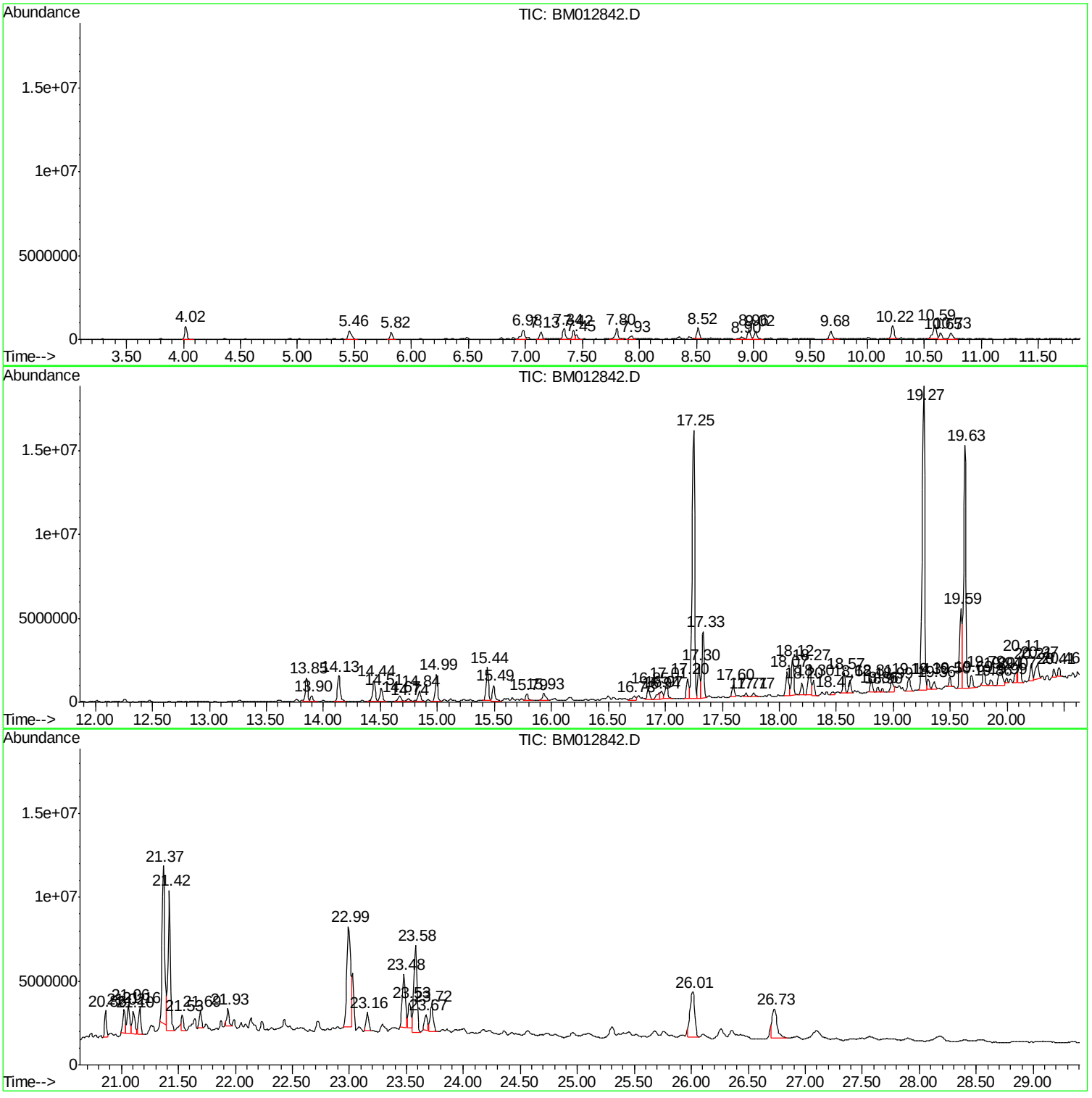
Operator : SJ/JU
Sample : I6032-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-31(5-5.5)-101817

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012842.D
Acq On : 09 Nov 2017 04:16
Operator : SJ/JU
Sample : I6032-02
Misc :
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Instrument :
BNA_M
ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

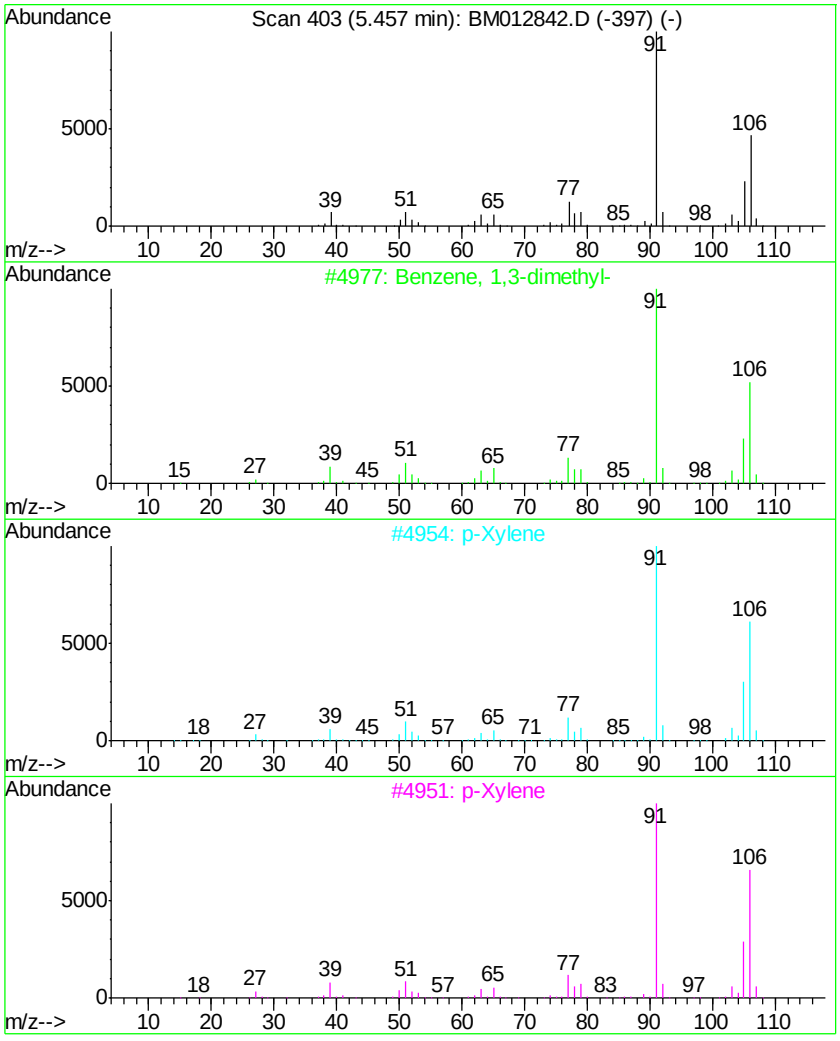
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

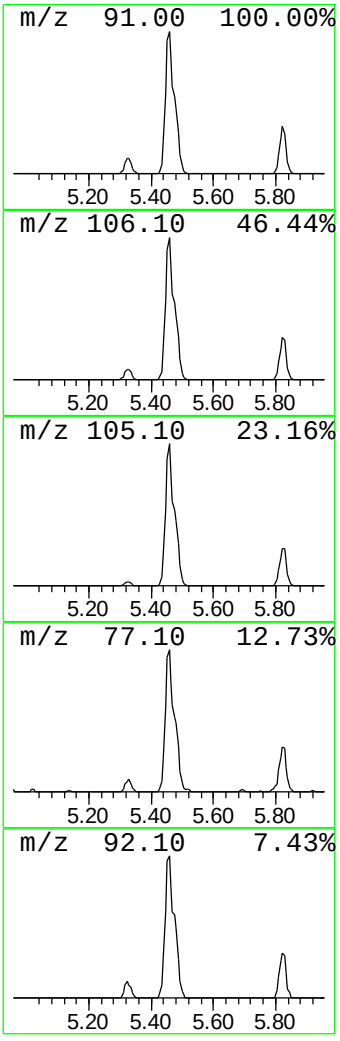
****

Peak Number 2 Benzene, 1,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.46	18.44 ng/ul	1043310	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
2	p-Xylene	106	C8H10	000106-42-3	97
3	p-Xylene	106	C8H10	000106-42-3	95
4	o-Xylene	106	C8H10	000095-47-6	94
5	o-Xylene	106	C8H10	000095-47-6	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012842.D
Acq On : 09 Nov 2017 04:16
Operator : SJ/JU
Sample : I6032-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-31(5-5.5)-101817

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

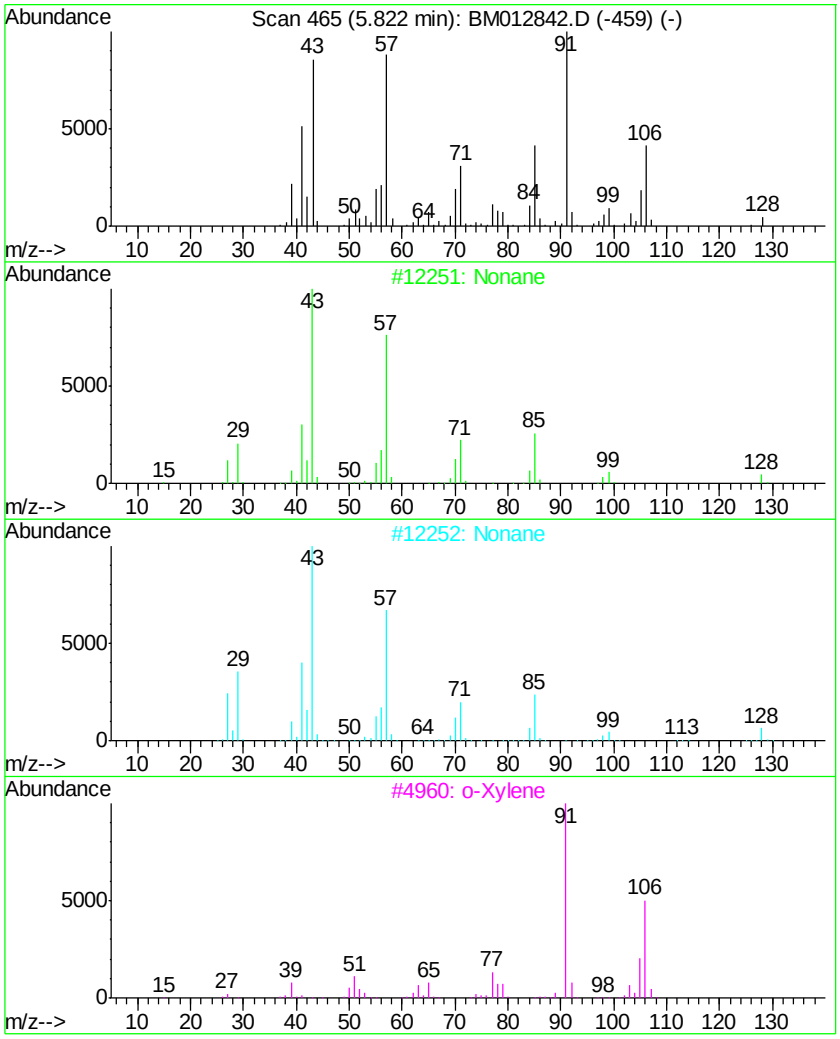
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

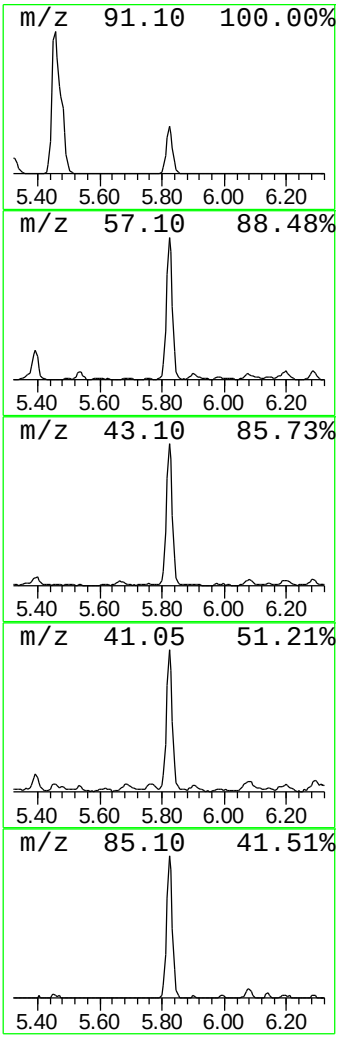
****

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.82	11.21 ng/ul	634426	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	93
2	Nonane	128	C9H20	000111-84-2	86
3	o-Xylene	106	C8H10	000095-47-6	68
4	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	68
5	p-Xylene	106	C8H10	000106-42-3	68





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012842.D
Acq On : 09 Nov 2017 04:16
Operator : SJ/JU
Sample : I6032-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-31(5-5.5)-101817

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

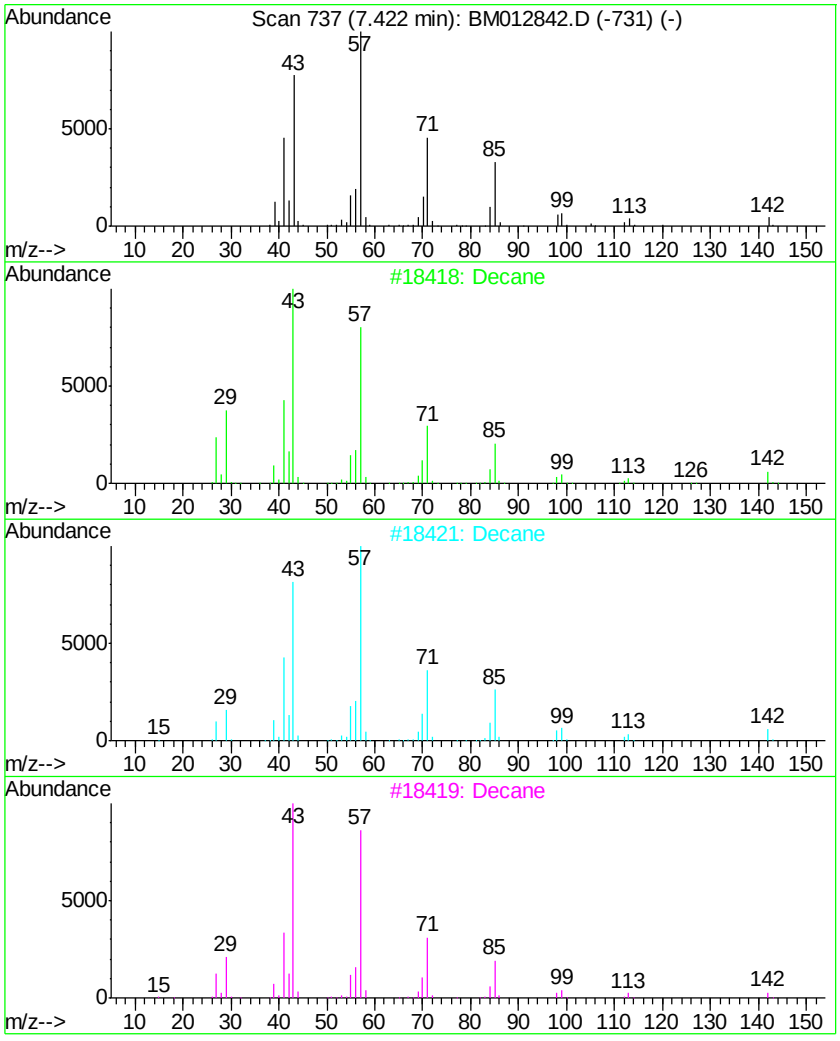
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

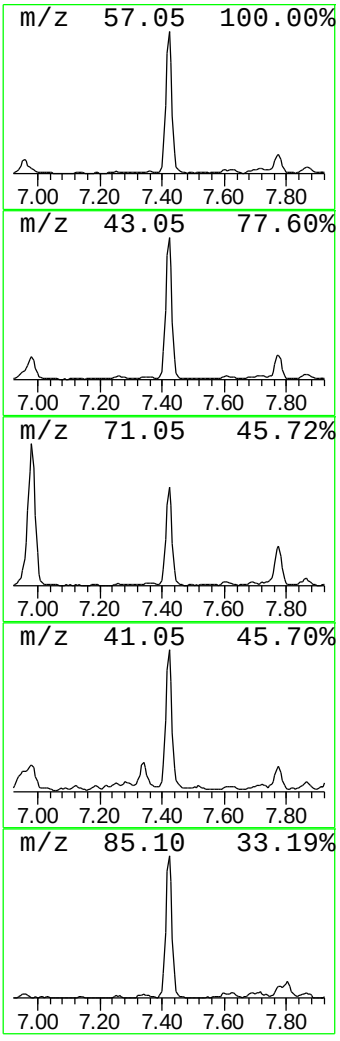
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.42	13.78 ng/ul	779951	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	95
2	Decane	142	C10H22	000124-18-5	94
3	Decane	142	C10H22	000124-18-5	94
4	Undecane	156	C11H24	001120-21-4	83
5	Tetradecane	198	C14H30	000629-59-4	83





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012842.D
Acq On : 09 Nov 2017 04:16
Operator : SJ/JU
Sample : I6032-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-31(5-5.5)-101817

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

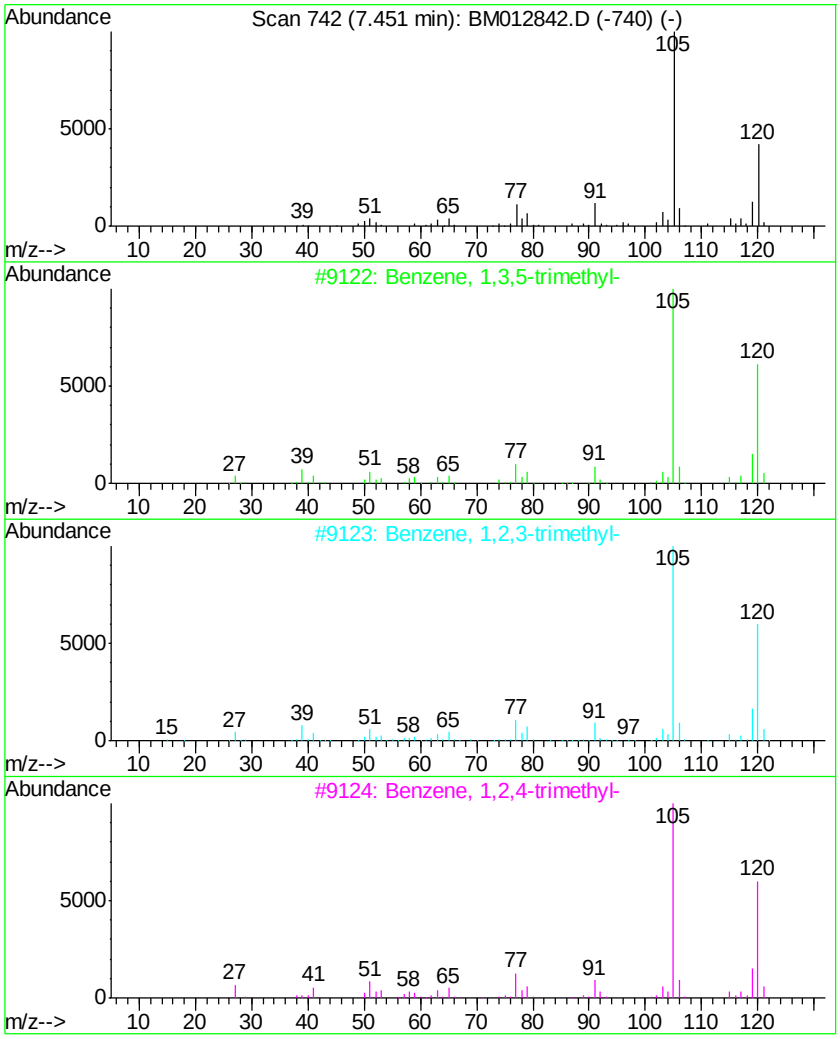
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

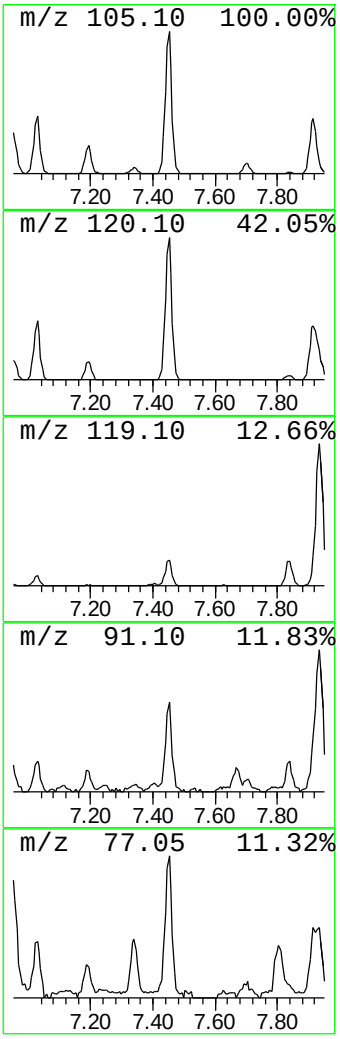
****

Peak Number 5 Benzene, 1,3,5-trimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.45	5.13 ng/ul	290525	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012842.D
Acq On : 09 Nov 2017 04:16
Operator : SJ/JU
Sample : I6032-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-31(5-5.5)-101817

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

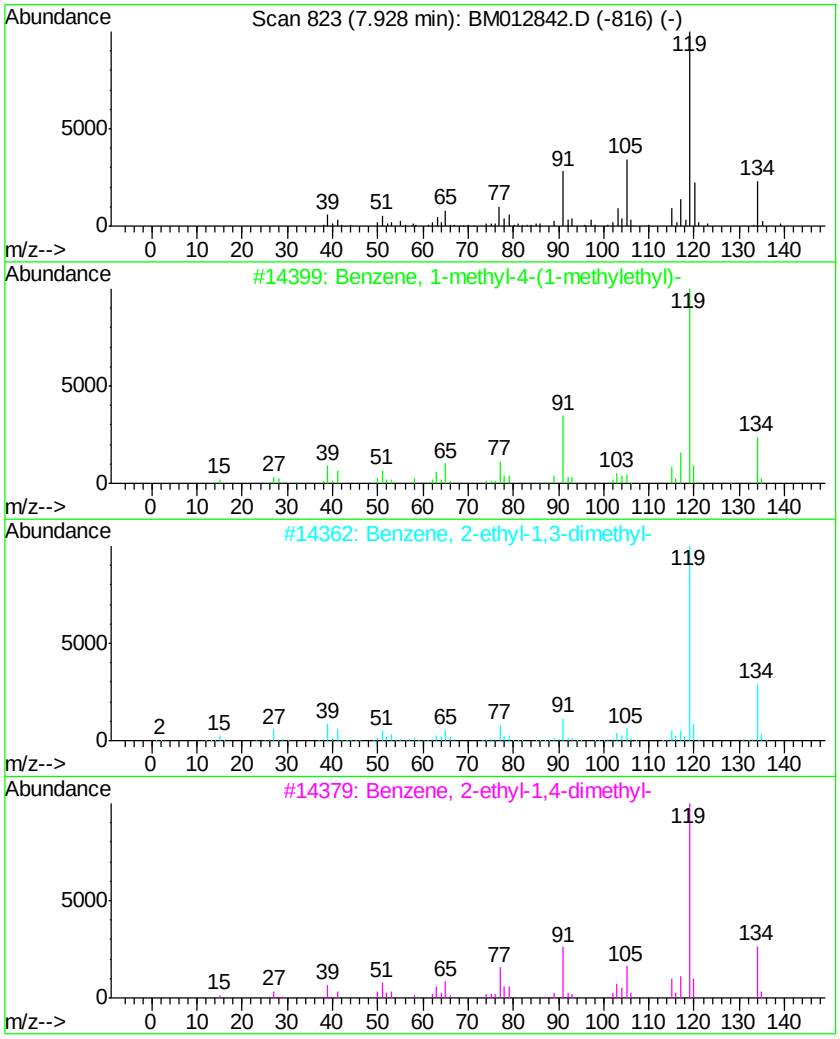
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

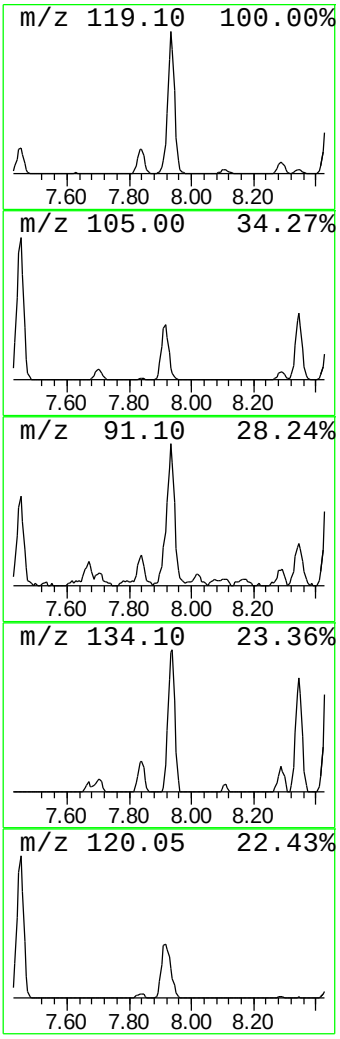
****

Peak Number 6 Benzene, 1-methyl-4-(1-meth... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.93	6.95 ng/ul	393548	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	94
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	93





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012842.D
Acq On : 09 Nov 2017 04:16
Operator : SJ/JU
Sample : I6032-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-31(5-5.5)-101817

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

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

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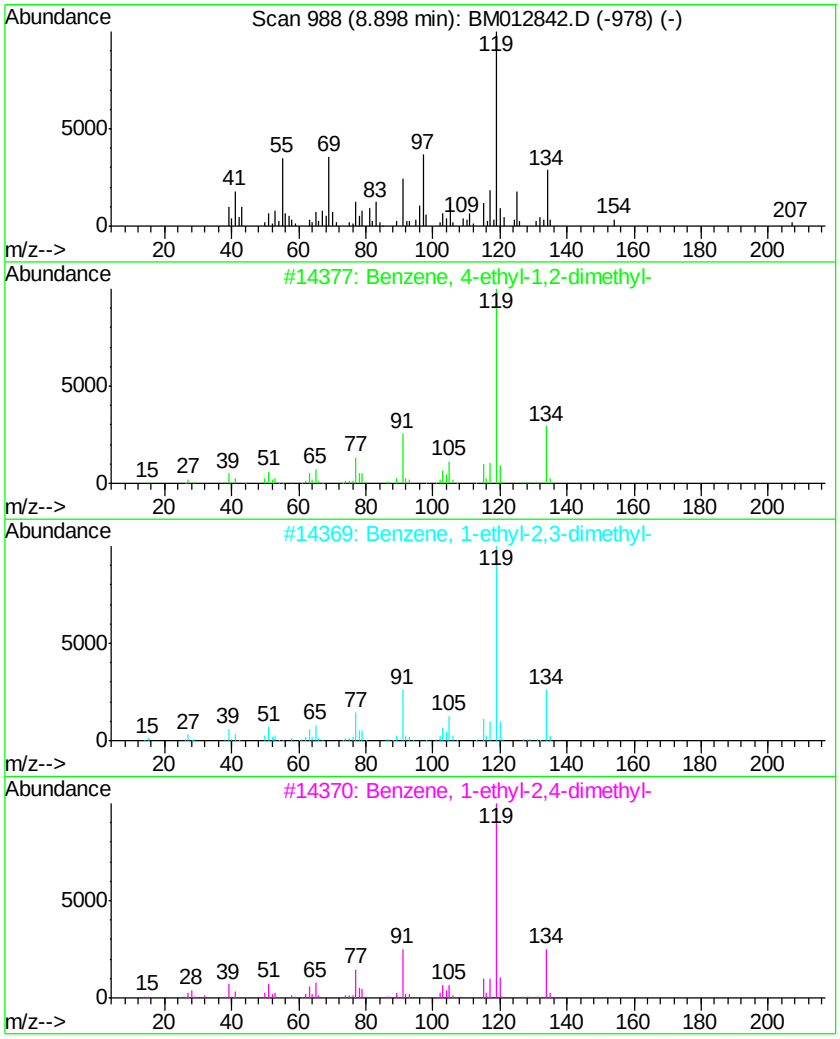
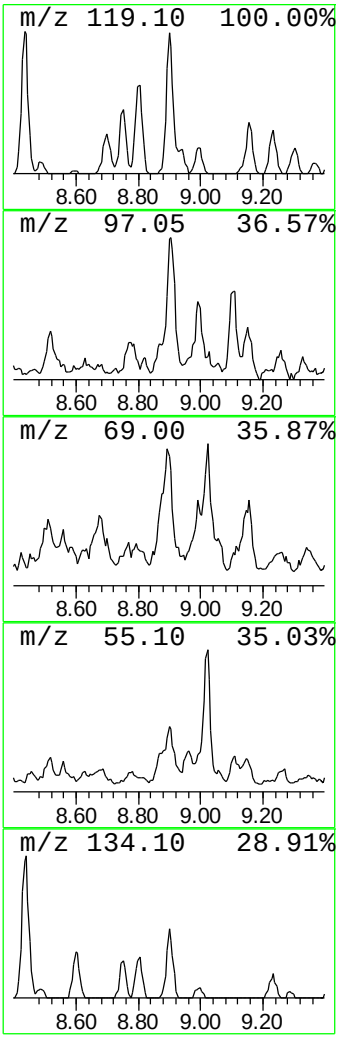
Peak Number 7 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.90	5.35 ng/ul	302474	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
4	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	92
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	92





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Operator : SJ/JU
Sample : I6032-02
Misc :
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Instrument : BNA_M
ClientSampleId : B-31(5-5.5)-101817

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Quant Title : SVOA CALIBRATION

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

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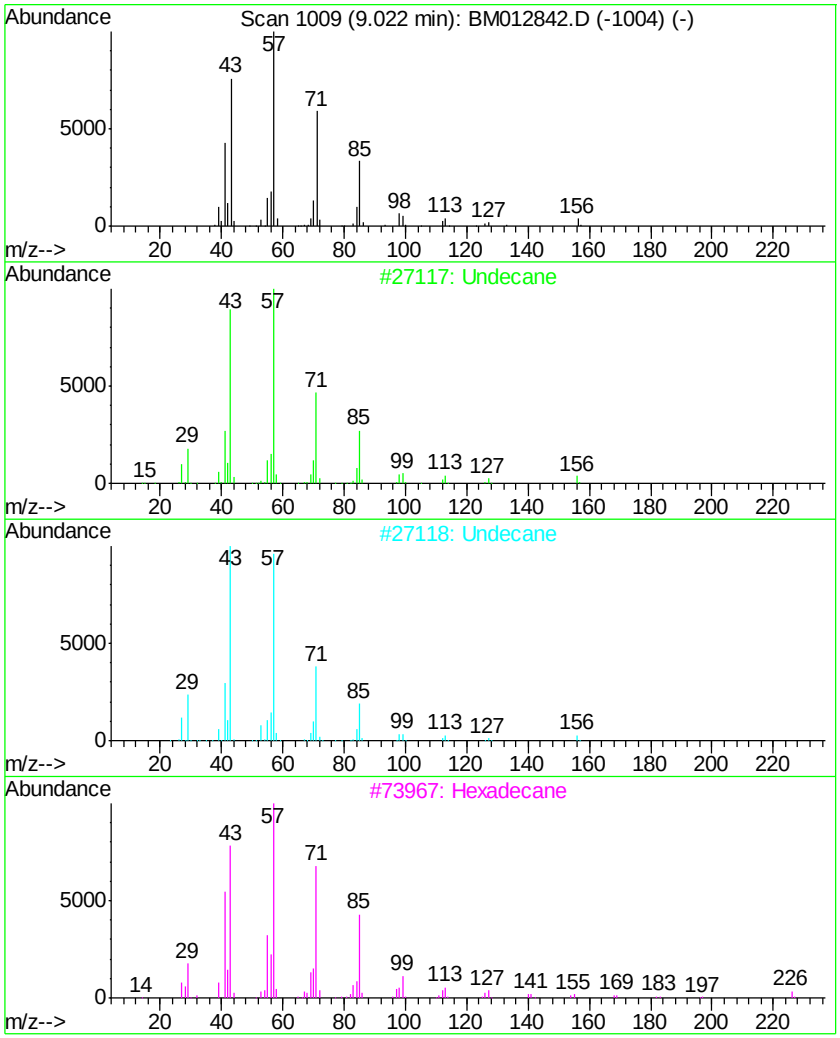
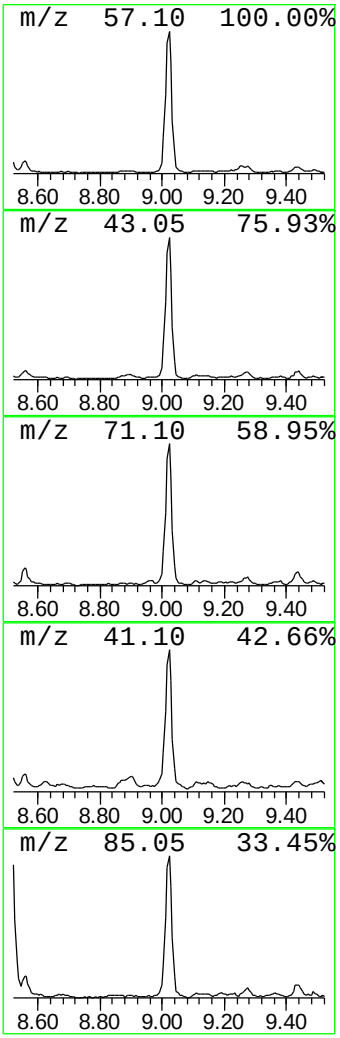
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.02	14.04 ng/ul	794239	1,4-Dichlorobenzene-d4	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	94
2	Undecane	156	C11H24	001120-21-4	91
3	Hexadecane	226	C16H34	000544-76-3	86
4	Tetradecane	198	C14H30	000629-59-4	83
5	Hexadecane	226	C16H34	000544-76-3	78





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Quant Title : SVOA CALIBRATION

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

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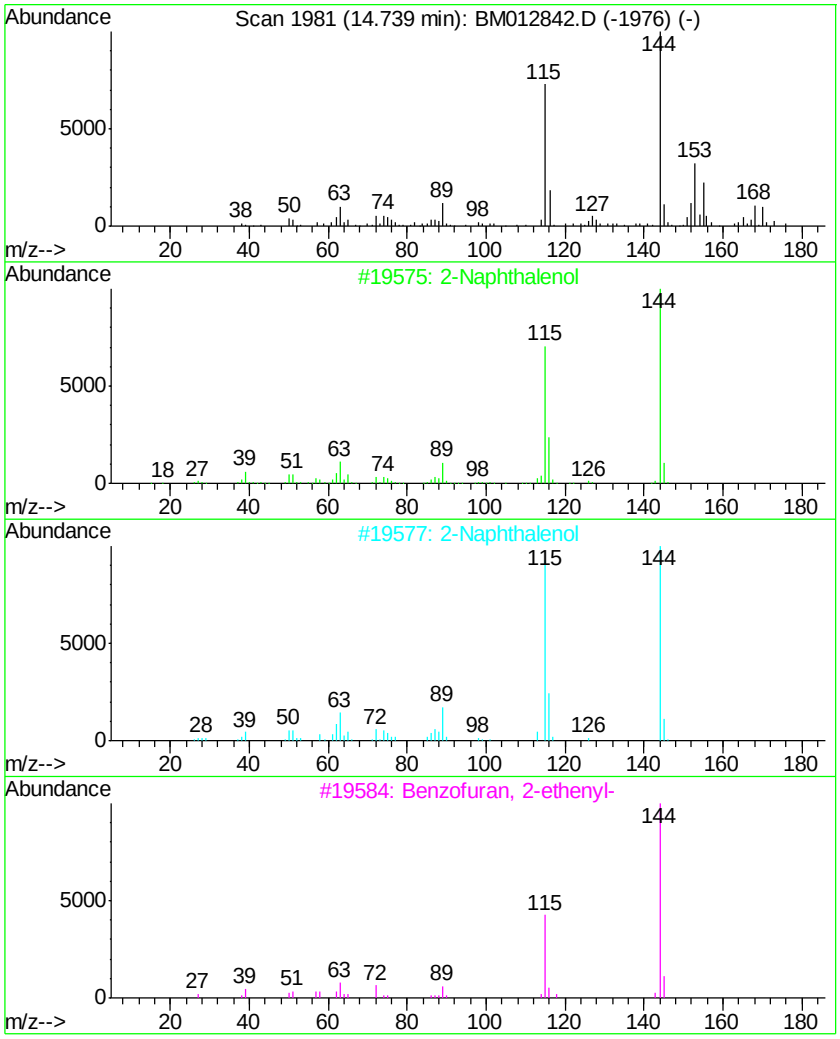
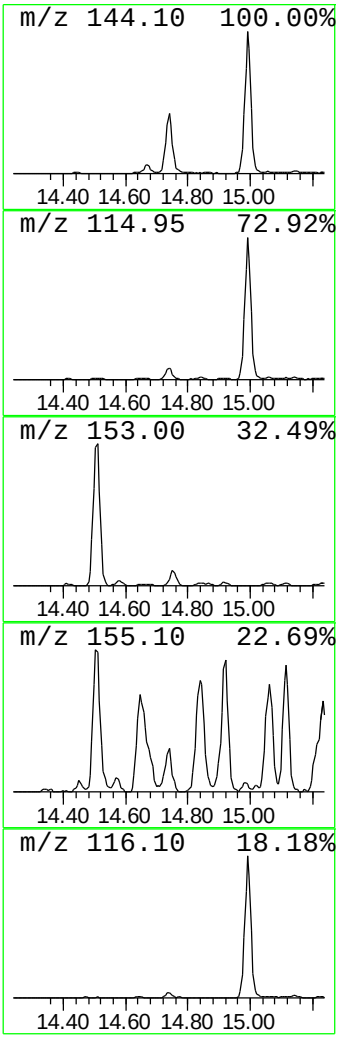
Peak Number 9 2-Naphthalenol Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	2.94 ng/ul	297355	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenol	144	C10H8O	000135-19-3	83
2	2-Naphthalenol	144	C10H8O	000135-19-3	46
3	Benzofuran, 2-ethenyl-	144	C10H8O	007522-79-4	46
4	Furan, 3-phenyl-	144	C10H8O	013679-41-9	38
5	1-Naphthalenol	144	C10H8O	000090-15-3	35





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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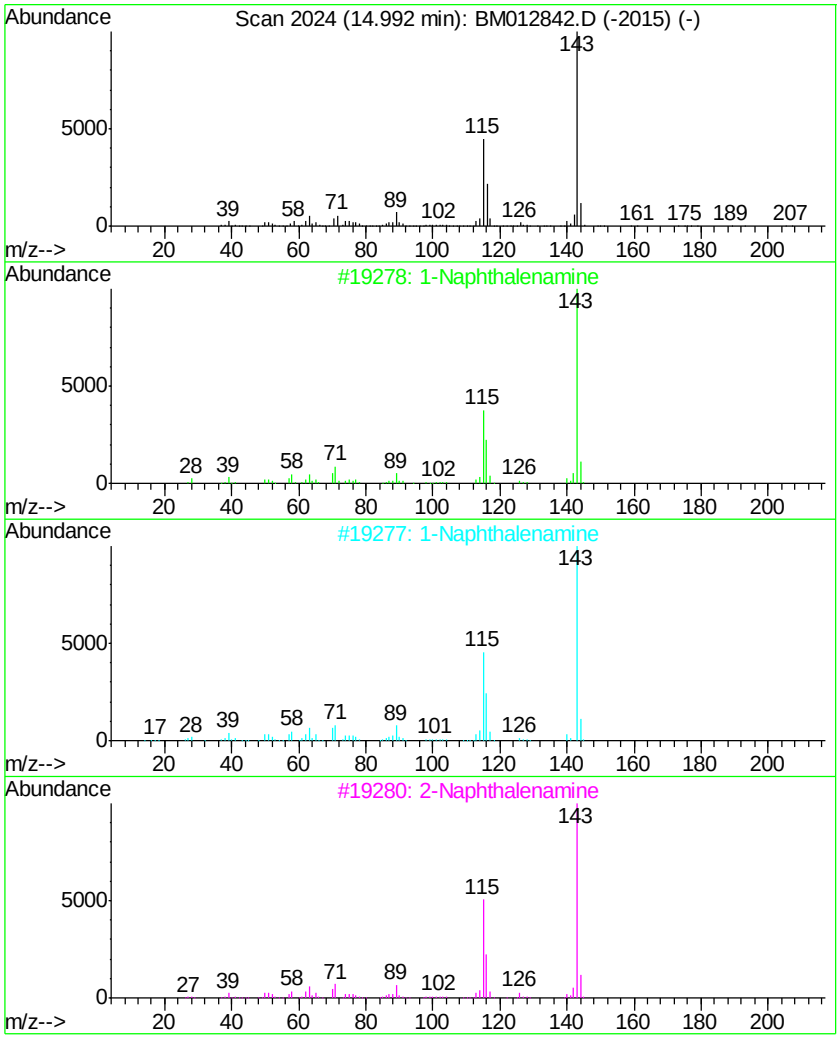
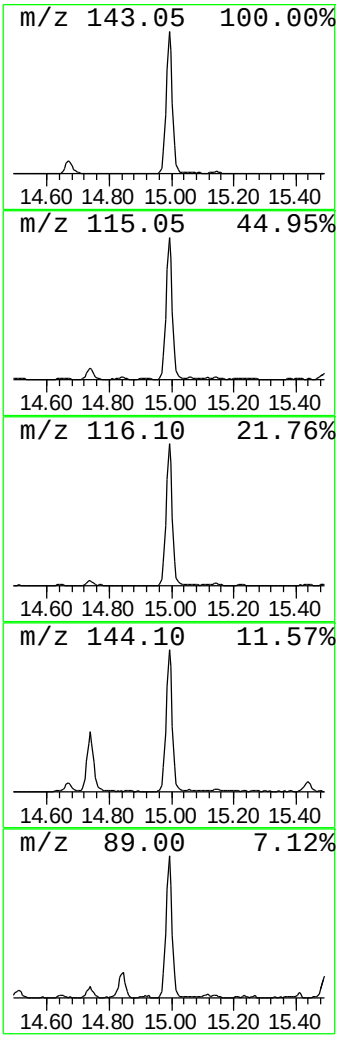
Peak Number 10 1-Naphthalenamine Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.99	22.55 ng/ul	2279940	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenamine	143	C10H9N	000134-32-7	97
2	1-Naphthalenamine	143	C10H9N	000134-32-7	97
3	2-Naphthalenamine	143	C10H9N	000091-59-8	96
4	1-Naphthalenamine	143	C10H9N	000134-32-7	94
5	2-Naphthalenamine	143	C10H9N	000091-59-8	94





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Quant Title : SVOA CALIBRATION

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

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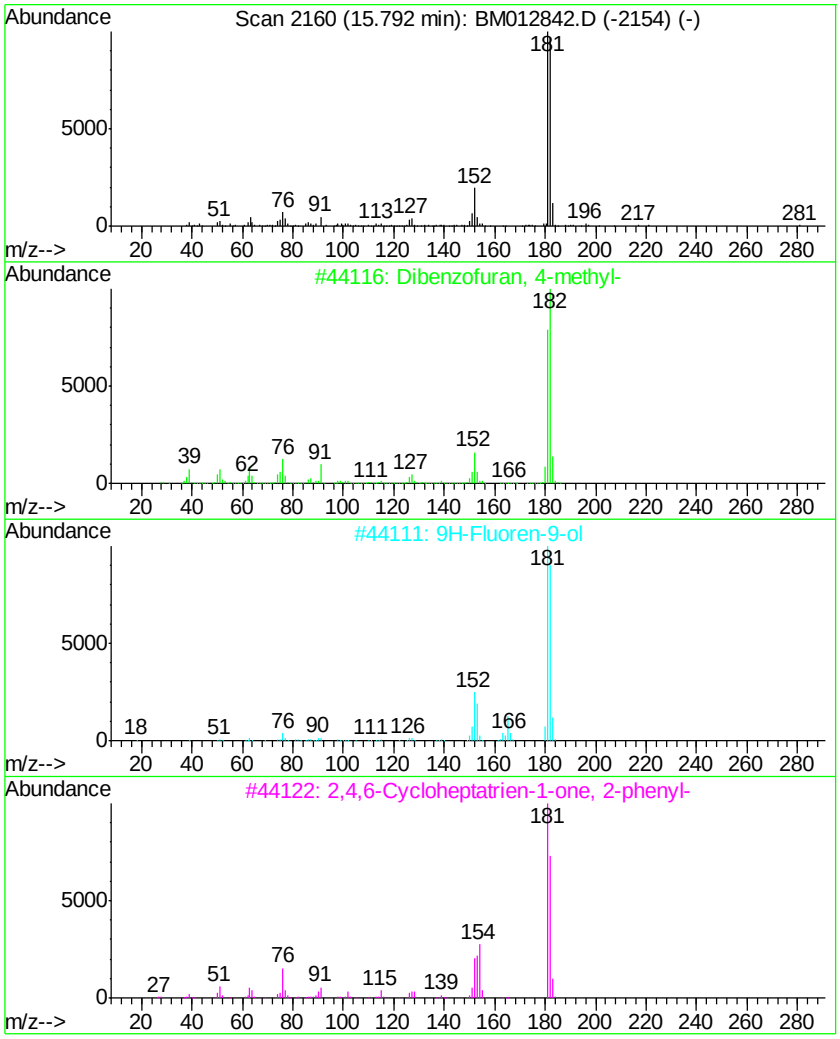
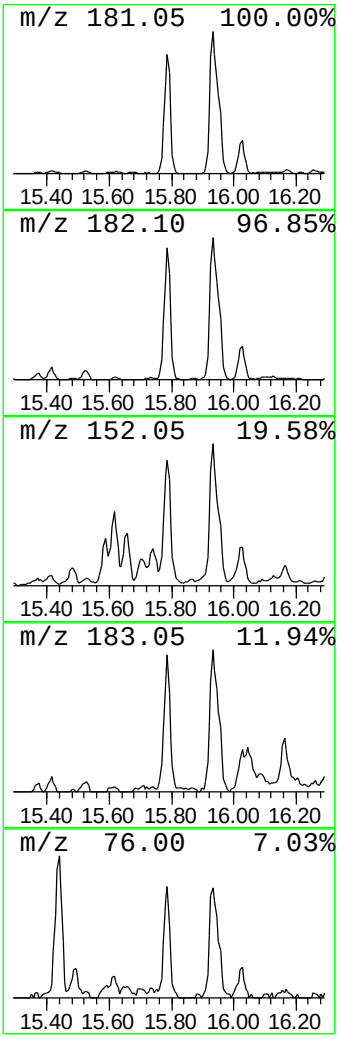
Peak Number 11 Dibenzofuran, 4-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	6.25 ng/ul	631625	Acenaphthene-d10	14.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	64
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	59





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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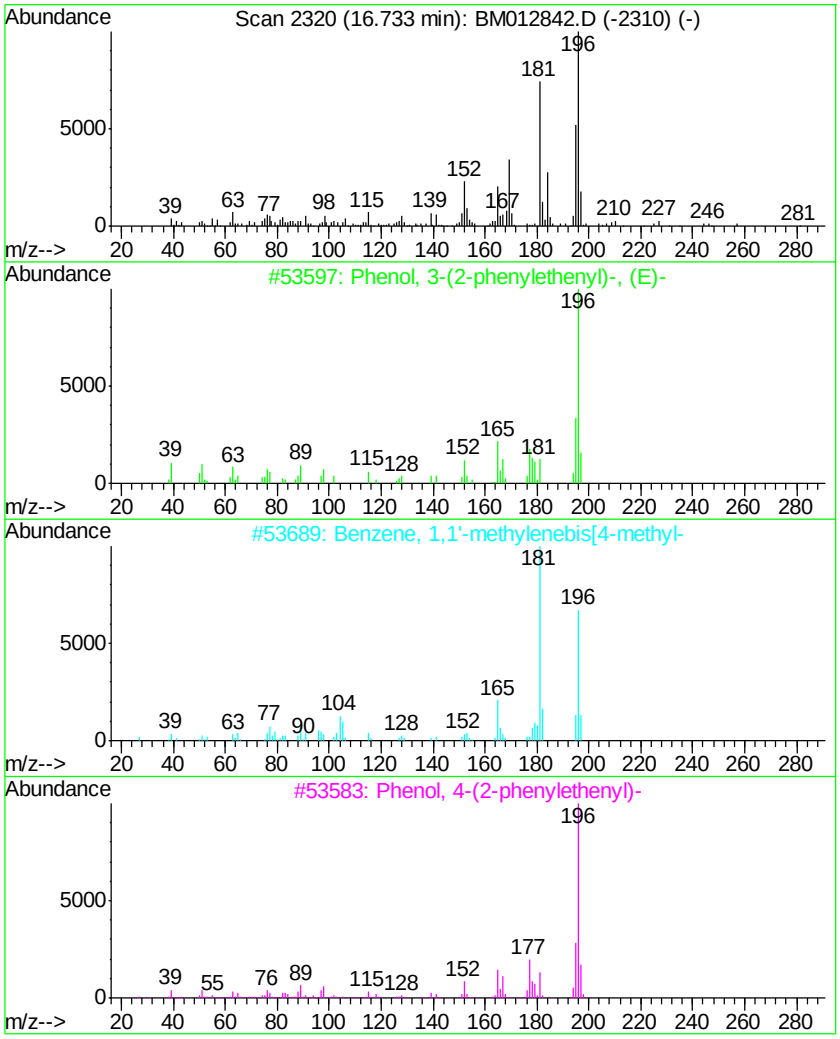
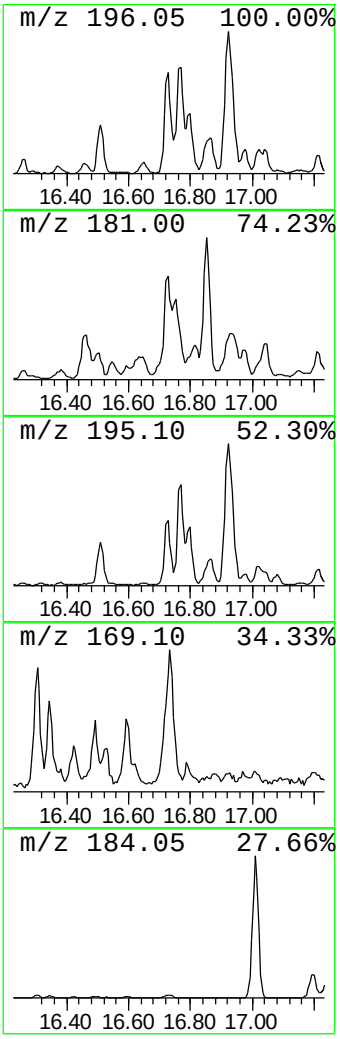
Peak Number 13 Phenol, 3-(2-phenylethenyl)... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.73	5.48 ng/ul	504674	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	60
2	Benzene, 1,1'-methylenebis[4-met...	196	C15H16	004957-14-6	52
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	49
4	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	49
5	9H-Fluorene, 2-methoxy-	196	C14H12O	002523-46-8	47





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ClientSampleId : B-31(5-5.5)-101817

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Quant Title : SVOA CALIBRATION

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

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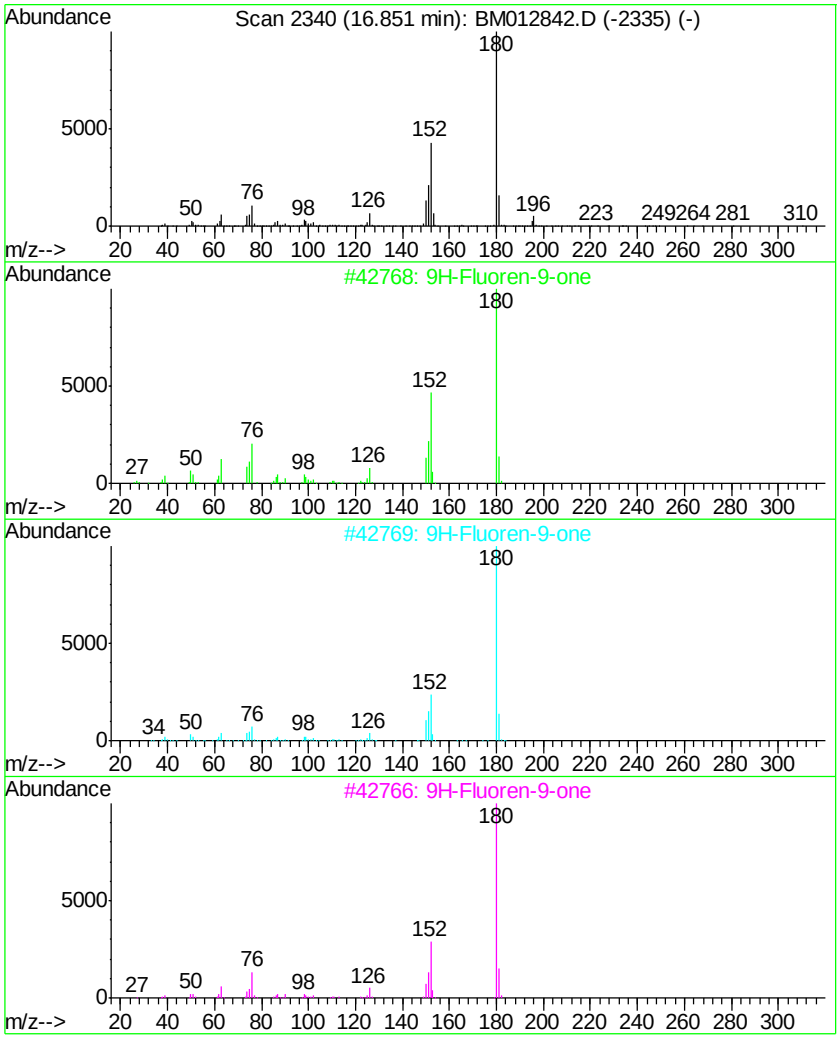
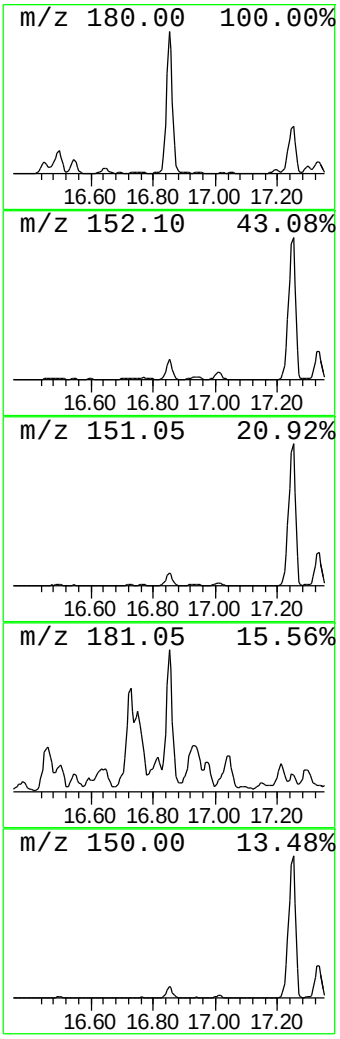
Peak Number 14 9H-Fluoren-9-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.85	10.81 ng/ul	994932	Phenanthrene-d10	17.19

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	94
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91





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Quant Title : SVOA CALIBRATION

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

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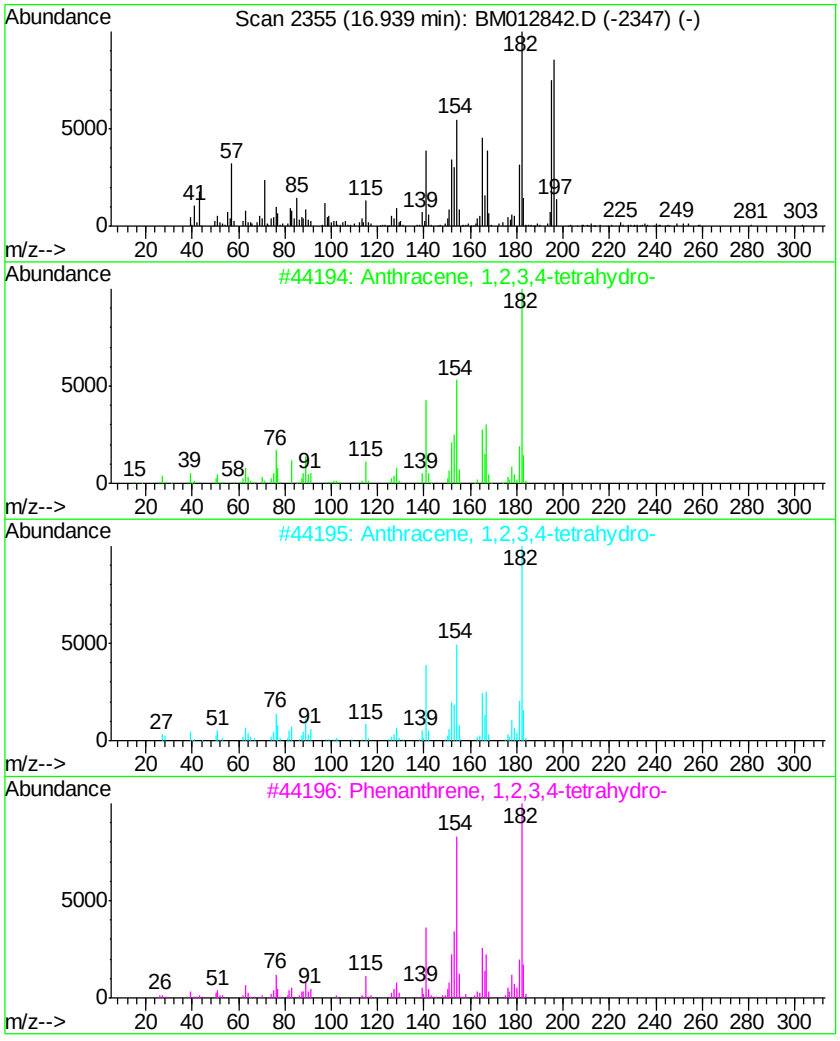
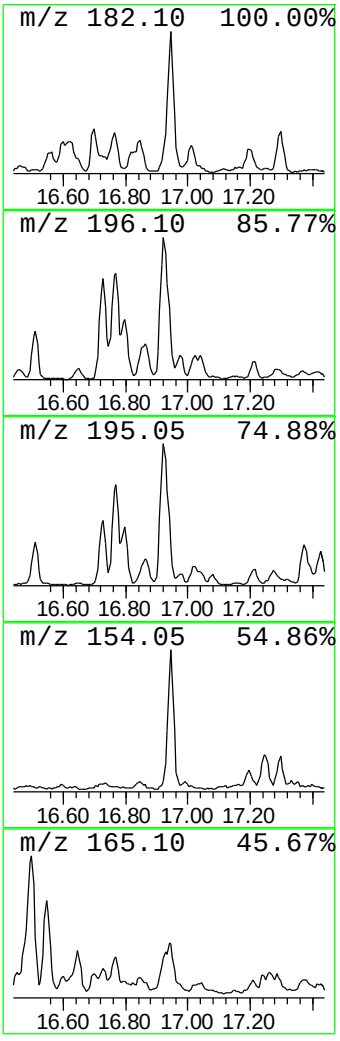
Peak Number 15 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.94	8.85 ng/ul	814345	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	95
2	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	90
3	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	55
4	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	55
5	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	50





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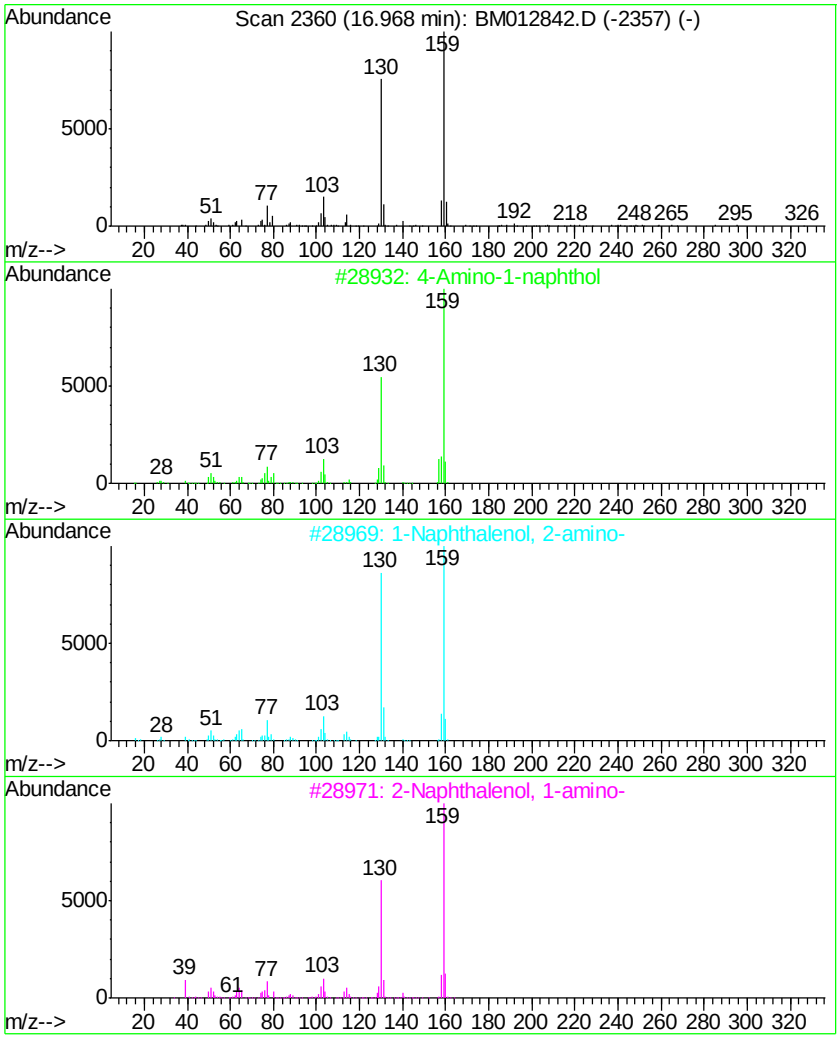
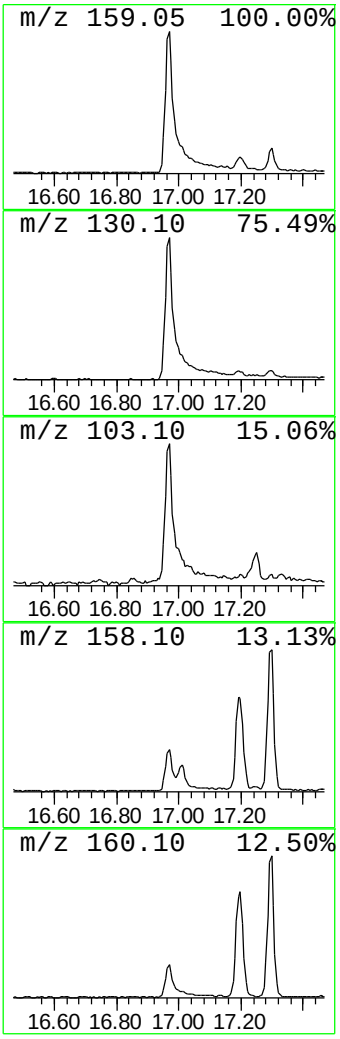
Peak Number 16 4-Amino-1-naphthol Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.97	7.87 ng/ul	723957	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Amino-1-naphthol	159	C10H9NO	002834-90-4	91
2	1-Naphthalenol, 2-amino-	159	C10H9NO	000606-41-7	91
3	2-Naphthalenol, 1-amino-	159	C10H9NO	002834-92-6	91
4	2(1H)-Quinolinone, 3-methyl-	159	C10H9NO	002721-59-7	90
5	2-Methyl-6-hydroxyquinoline	159	C10H9NO	000613-21-8	87





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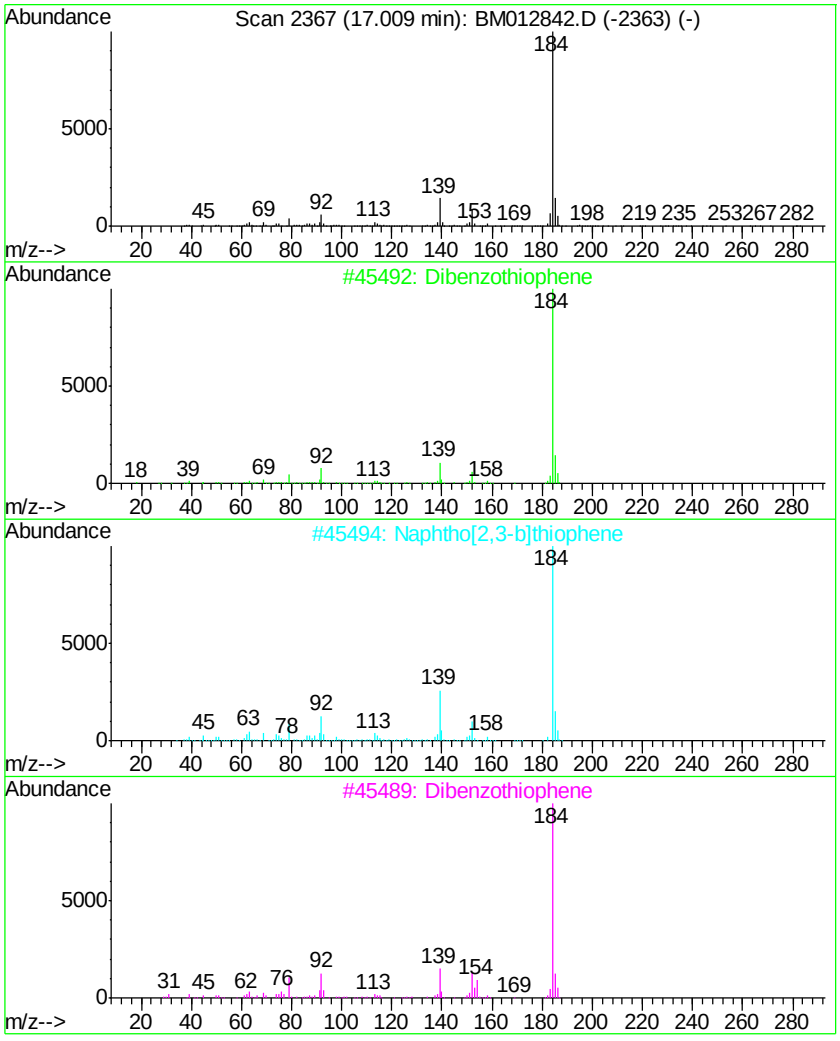
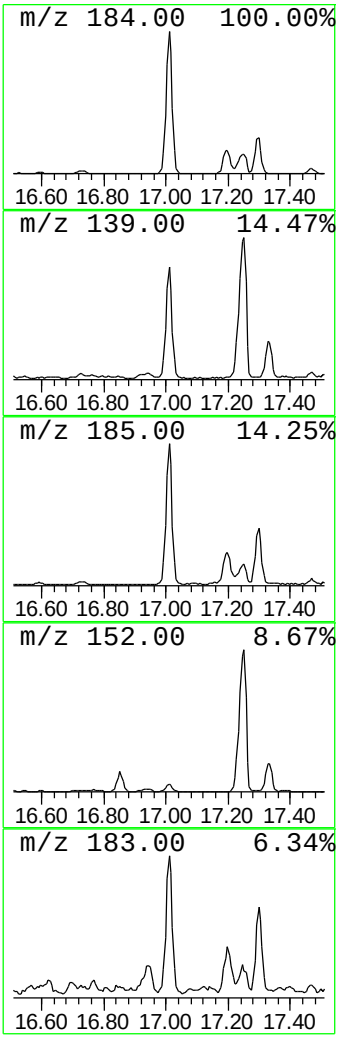
Peak Number 17 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.01	17.08 ng/ul	1571910	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Dibenzothiophene	184	C12H8S	000132-65-0	91
5	Dibenzothiophene	184	C12H8S	000132-65-0	91





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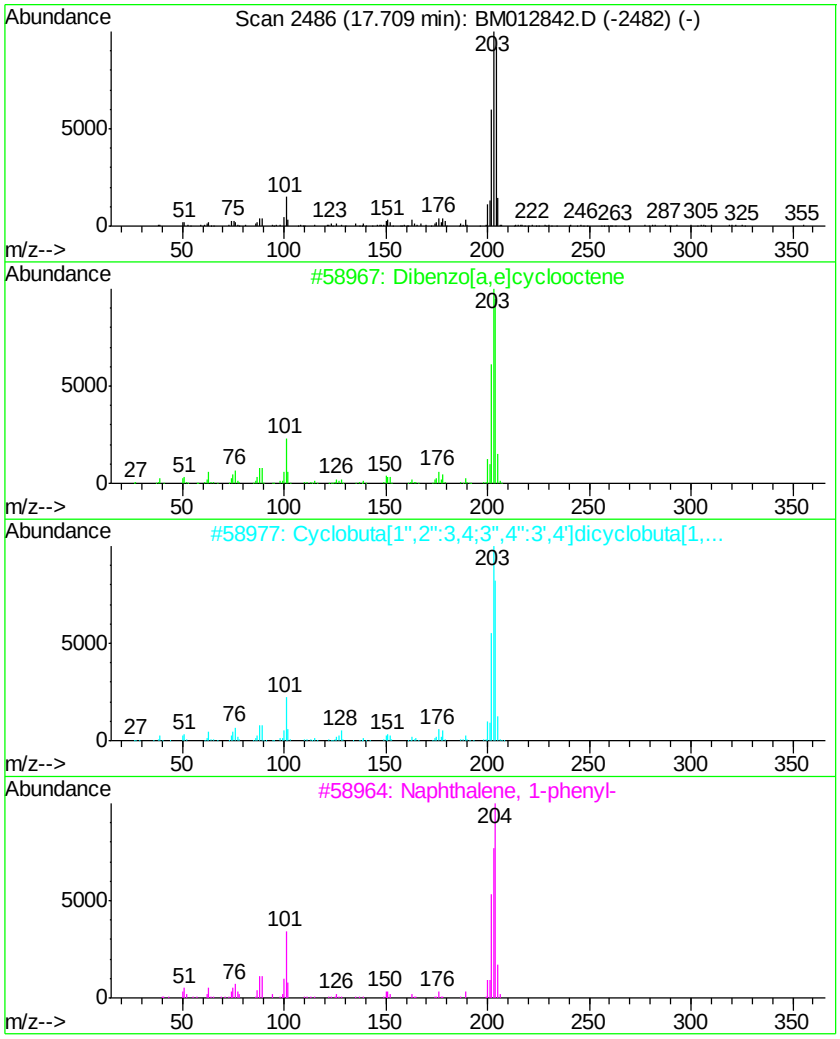
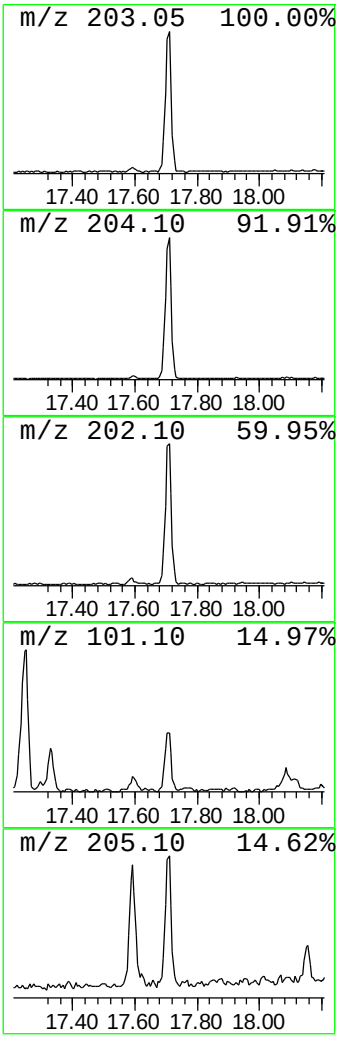
Peak Number 18 Dibenzo[a,e]cyclooctene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.71	3.30 ng/ul	304140	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	96
2	Cyclobuta[1'',2'':3,4;3'',4'':3'...	204	C16H12	006574-36-3	90
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
4	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	76
5	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	70





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Quant Title : SVOA CALIBRATION

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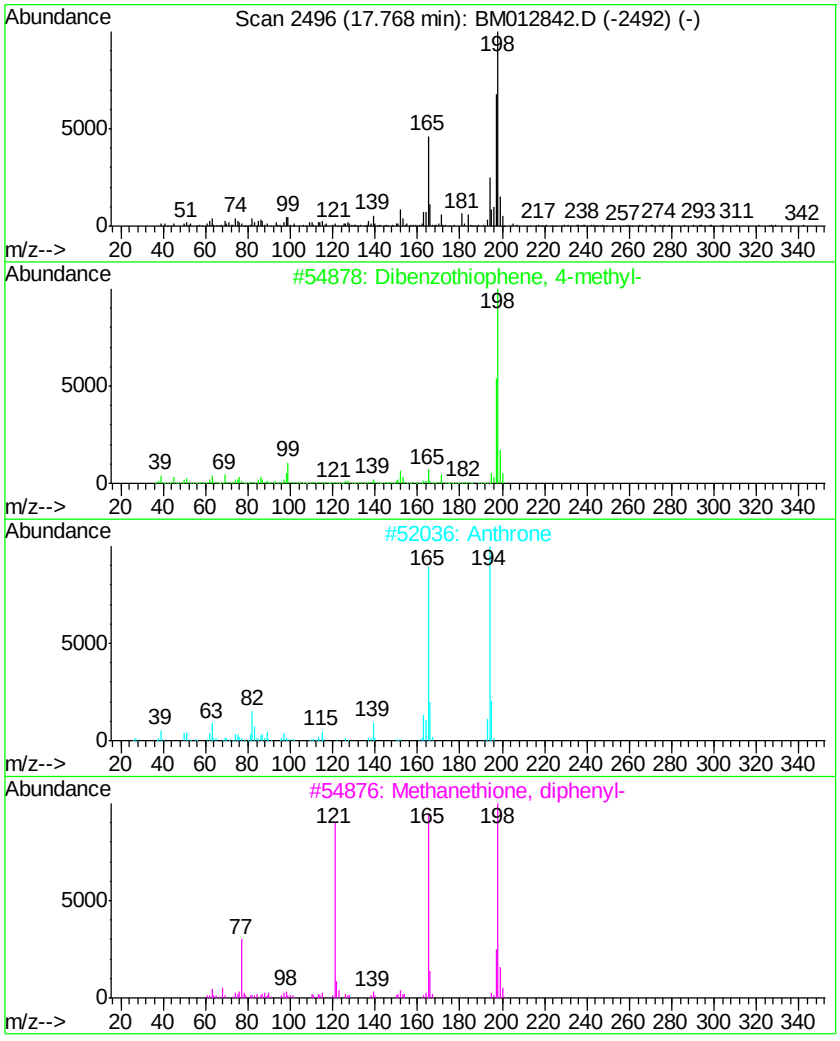
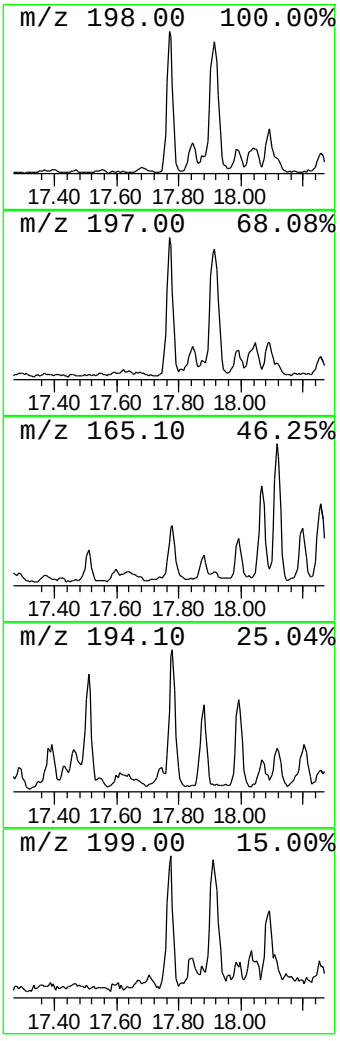
Peak Number 19 Dibenzothiophene, 4-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.77	4.93 ng/ul	454139	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	55
2	Anthrone	194	C14H10O	000090-44-8	49
3	Methanethione, diphenyl-	198	C13H10S	001450-31-3	49
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	49
5	Anthrone	194	C14H10O	000090-44-8	42





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Operator : SJ/JU
Sample : I6032-02
Misc :
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Instrument : BNA_M
ClientSampleId : B-31(5-5.5)-101817

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Quant Title : SVOA CALIBRATION

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

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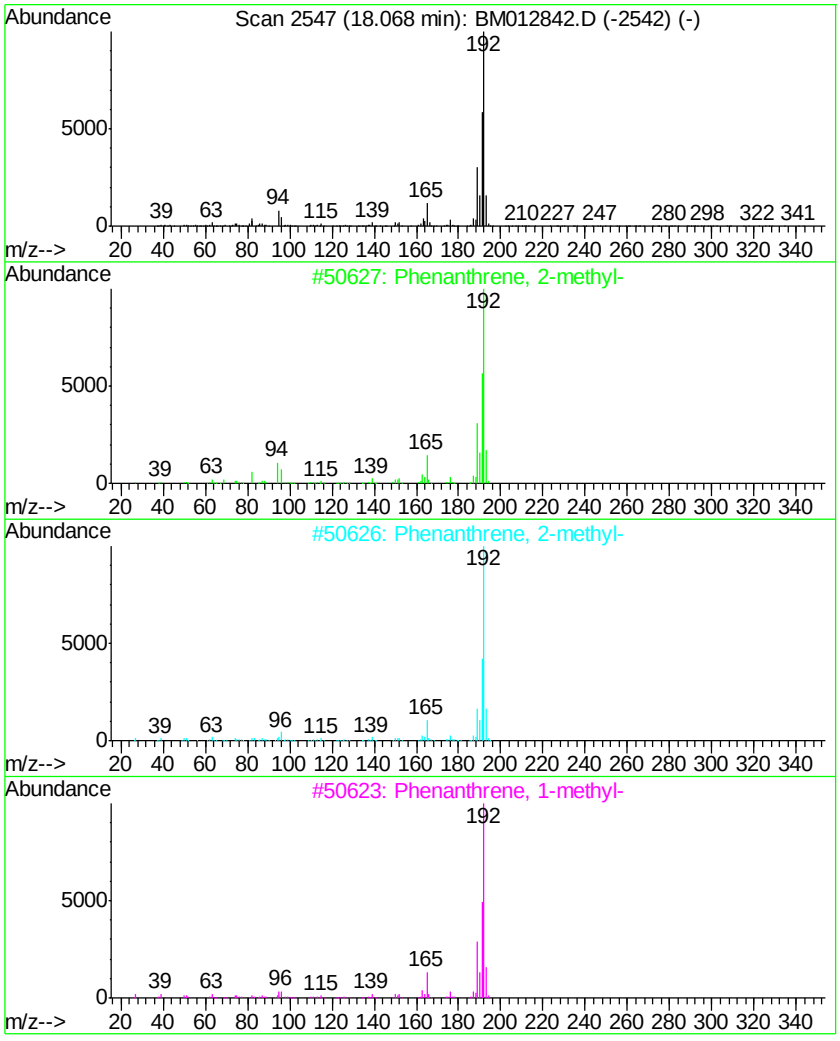
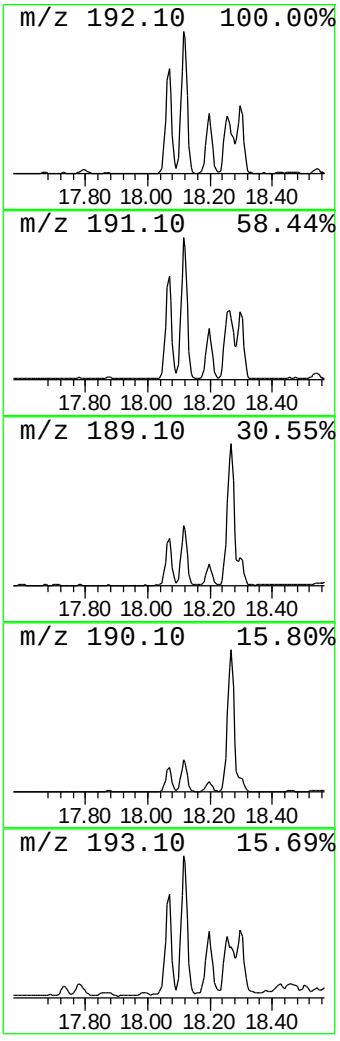
Peak Number 20 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	25.44 ng/ul	2340900	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





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Misc :
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Instrument : BNA_M
ClientSampleId : B-31(5-5.5)-101817

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

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

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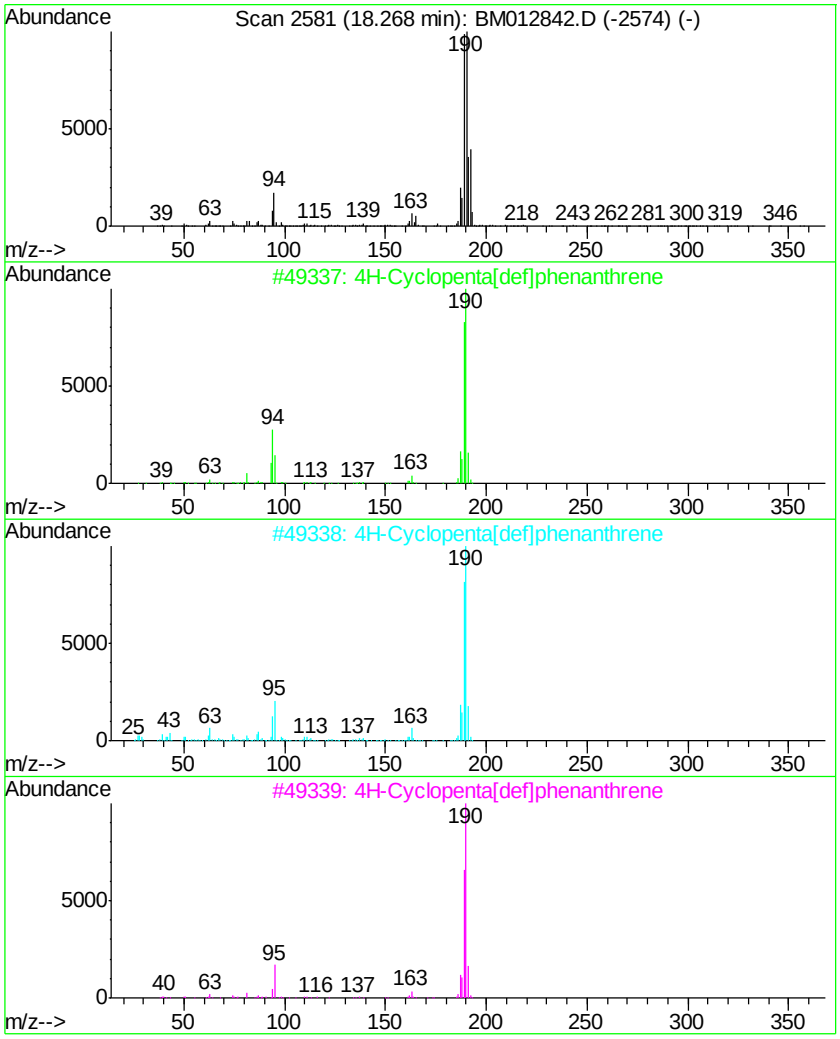
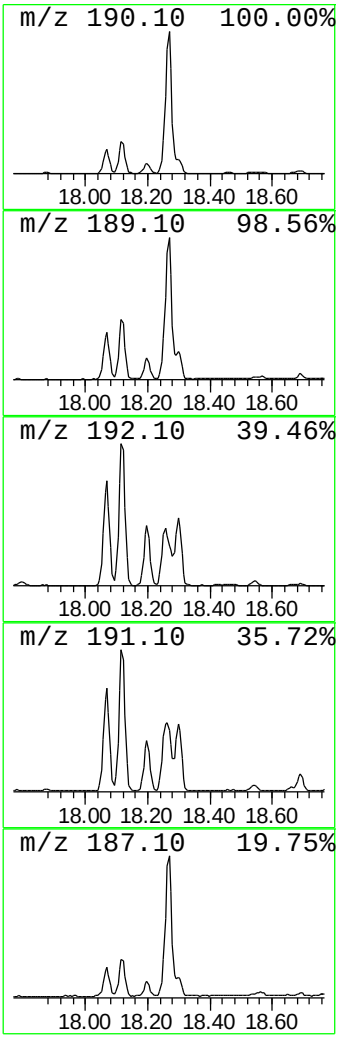
Peak Number 21 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	35.85 ng/ul	3298810	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47





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ClientSampleId : B-31(5-5.5)-101817

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Quant Title : SVOA CALIBRATION

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

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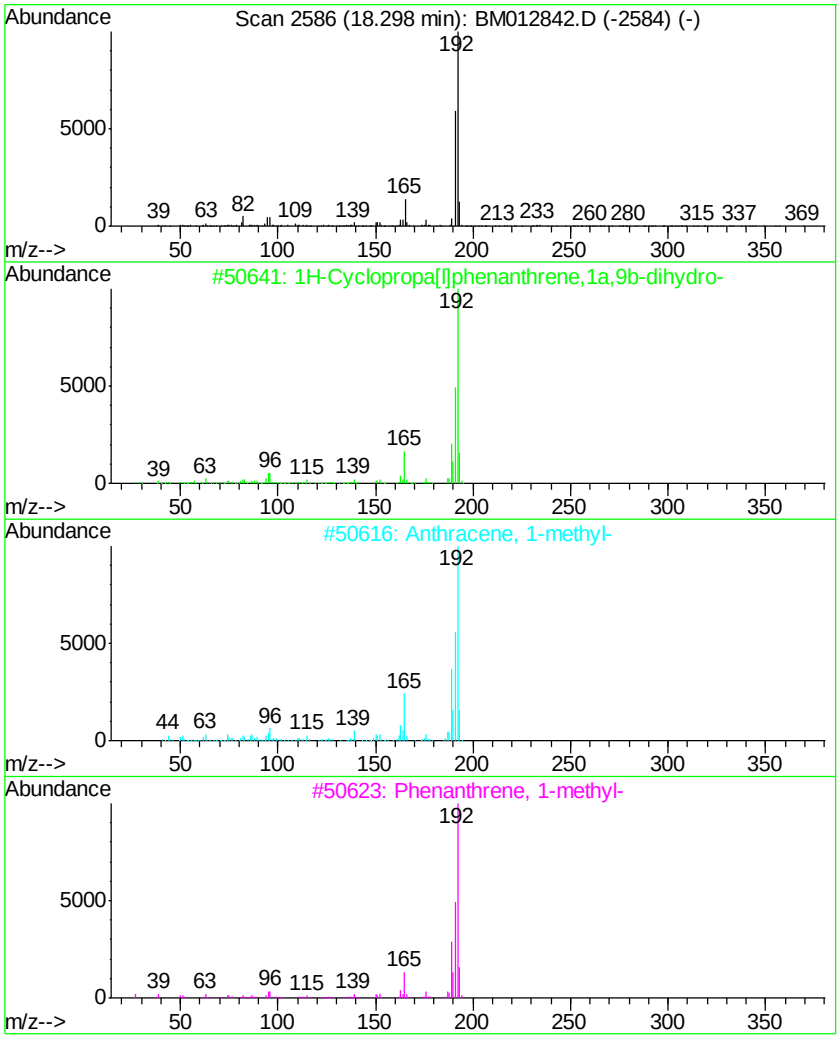
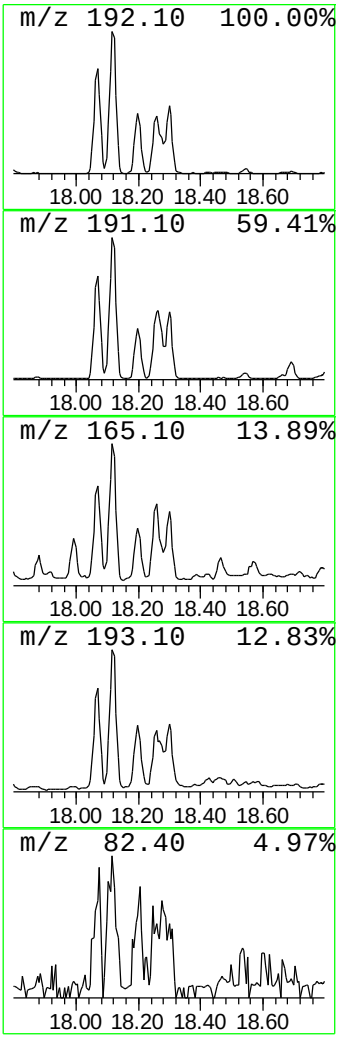
Peak Number 22 1H-Cyclopropa[l]phenanthren... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.30	11.93 ng/ul	1098200	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90





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ClientSampleId : B-31(5-5.5)-101817

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Quant Title : SVOA CALIBRATION

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

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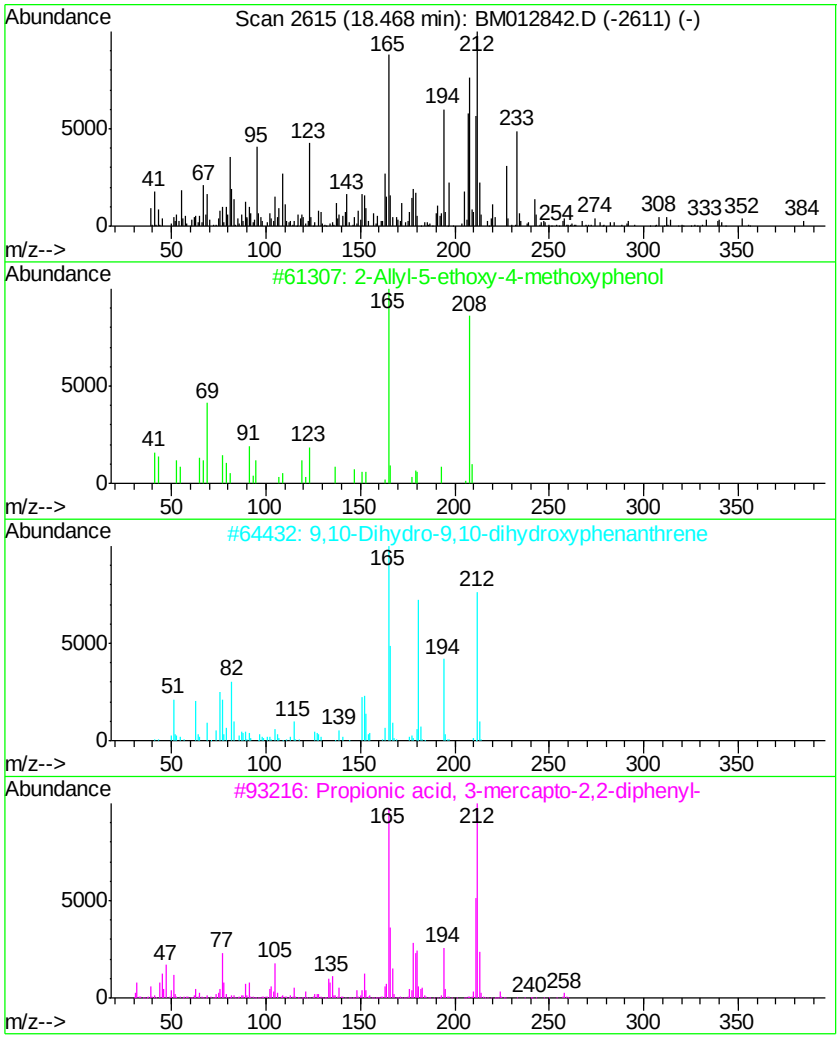
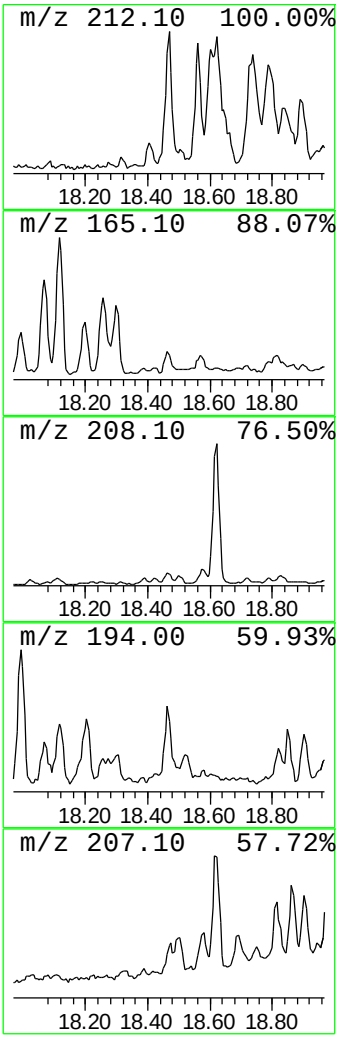
Peak Number 23 unknown-01 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.47	3.14 ng/ul	289109	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Allyl-5-ethoxy-4-methoxyphenol	208	C12H16O3	1000122-70-7	46
2	9,10-Dihydro-9,10-dihydroxyphena...	212	C14H12O2	025061-77-2	30
3	Propionic acid, 3-mercapto-2,2-d...	258	C15H14O2S	053216-38-9	27
4	2-Fluorenecarboxaldehyde	194	C14H10O	030084-90-3	25
5	Phenanthrene, 9-methoxy-	208	C15H12O	005085-74-5	18





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Quant Title : SVOA CALIBRATION

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

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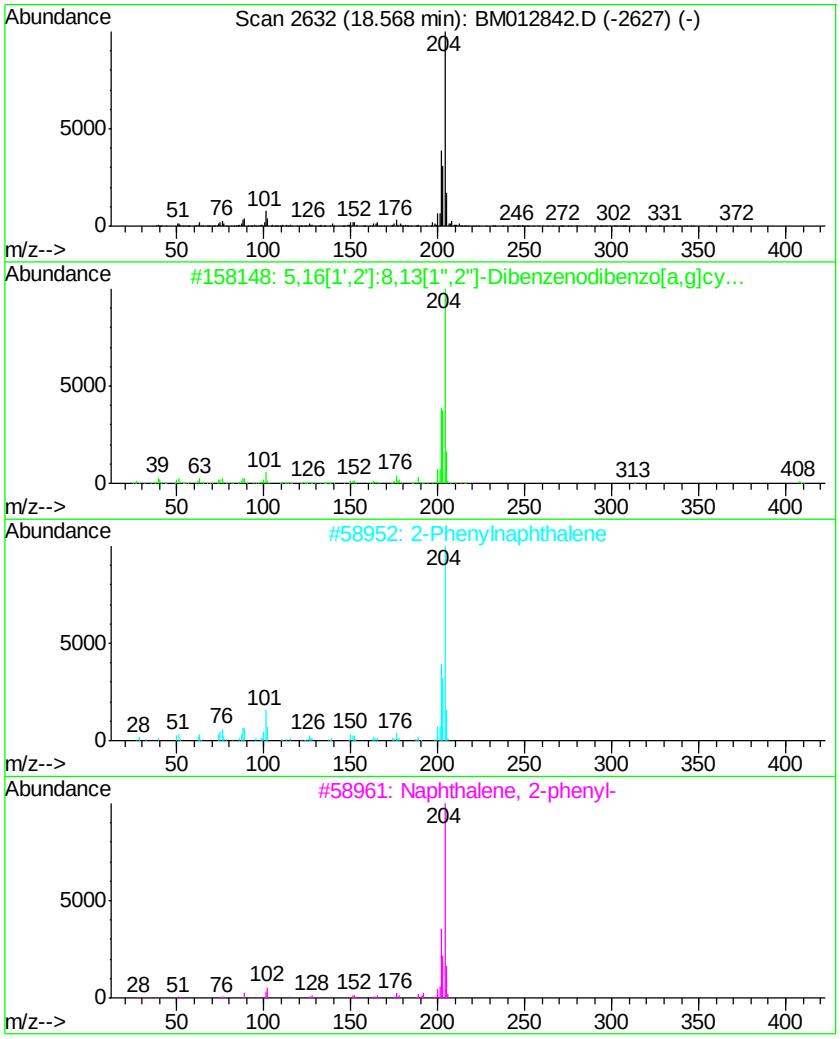
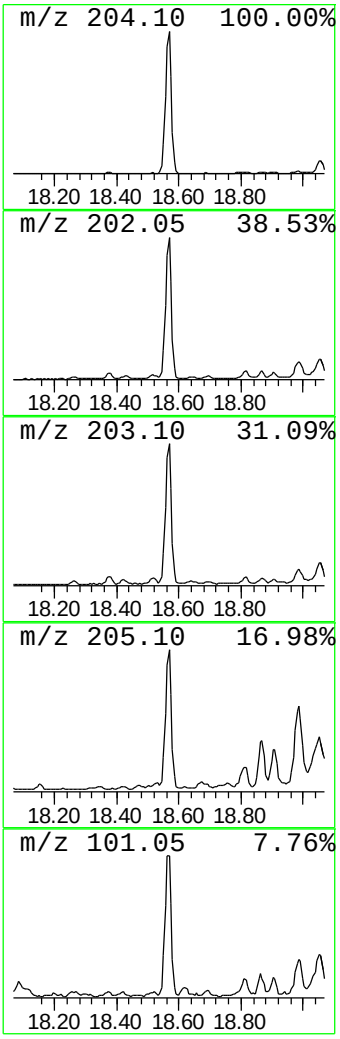
Peak Number 24 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	17.37 ng/ul	1598380	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
2	2-Phenylnaphthalene	204	C16H12	035465-71-5	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64





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Instrument : BNA_M
ClientSampleId : B-31(5-5.5)-101817

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Quant Title : SVOA CALIBRATION

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

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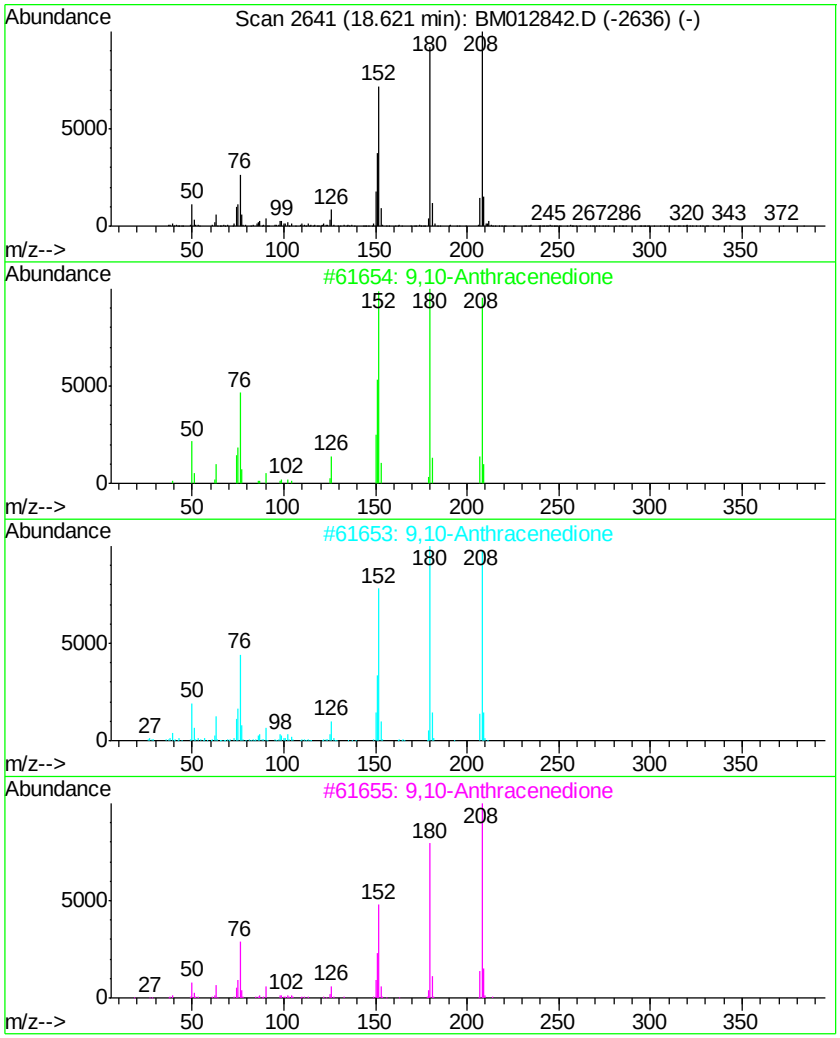
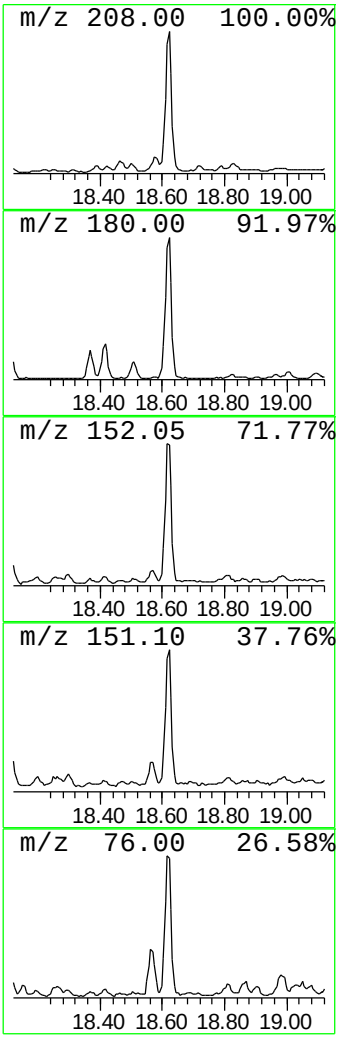
Peak Number 25 9,10-Anthracenedione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	11.44 ng/ul	1052940	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	90
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





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Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-31(5-5.5)-101817

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Quant Title : SVOA CALIBRATION

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

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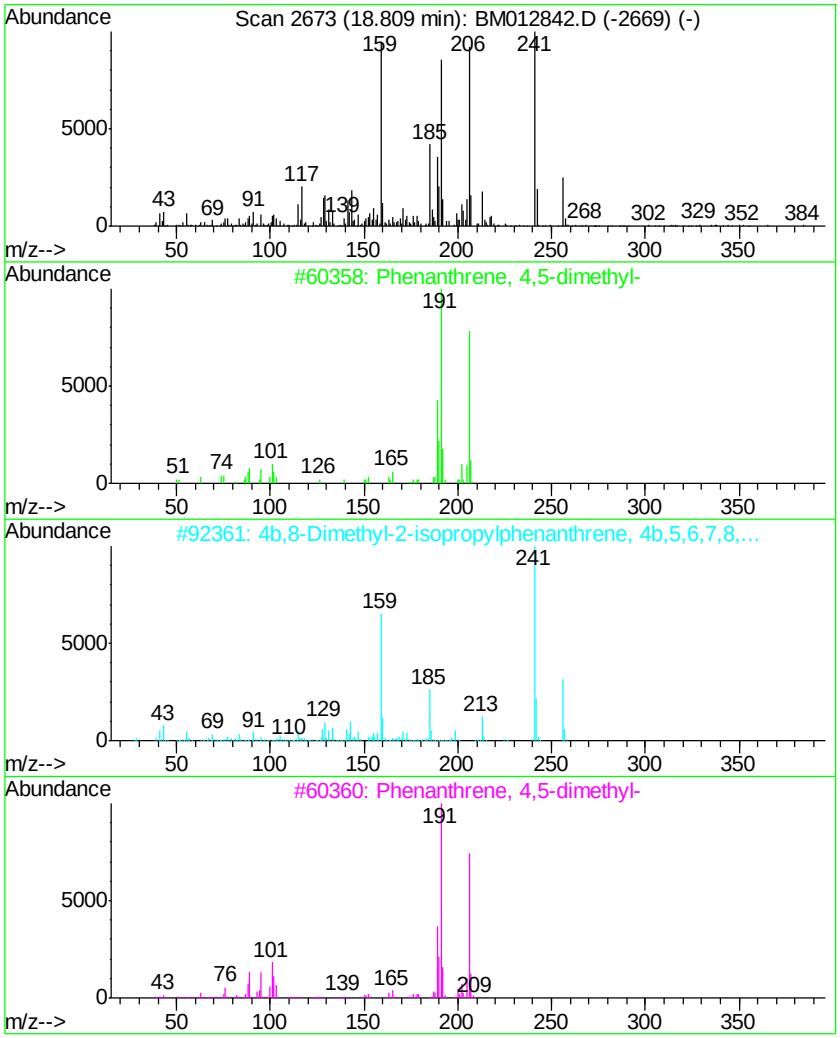
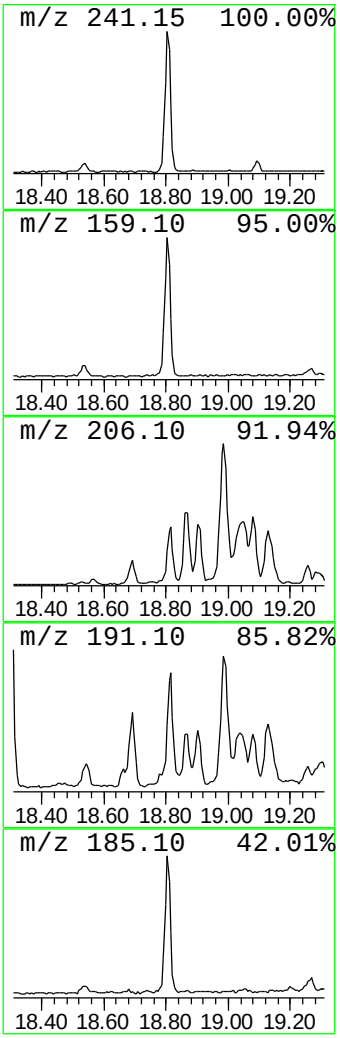
Peak Number 26 Phenanthrene, 4,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	11.63 ng/ul	1070370	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
2	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	89
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	60
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	52





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Quant Title : SVOA CALIBRATION

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

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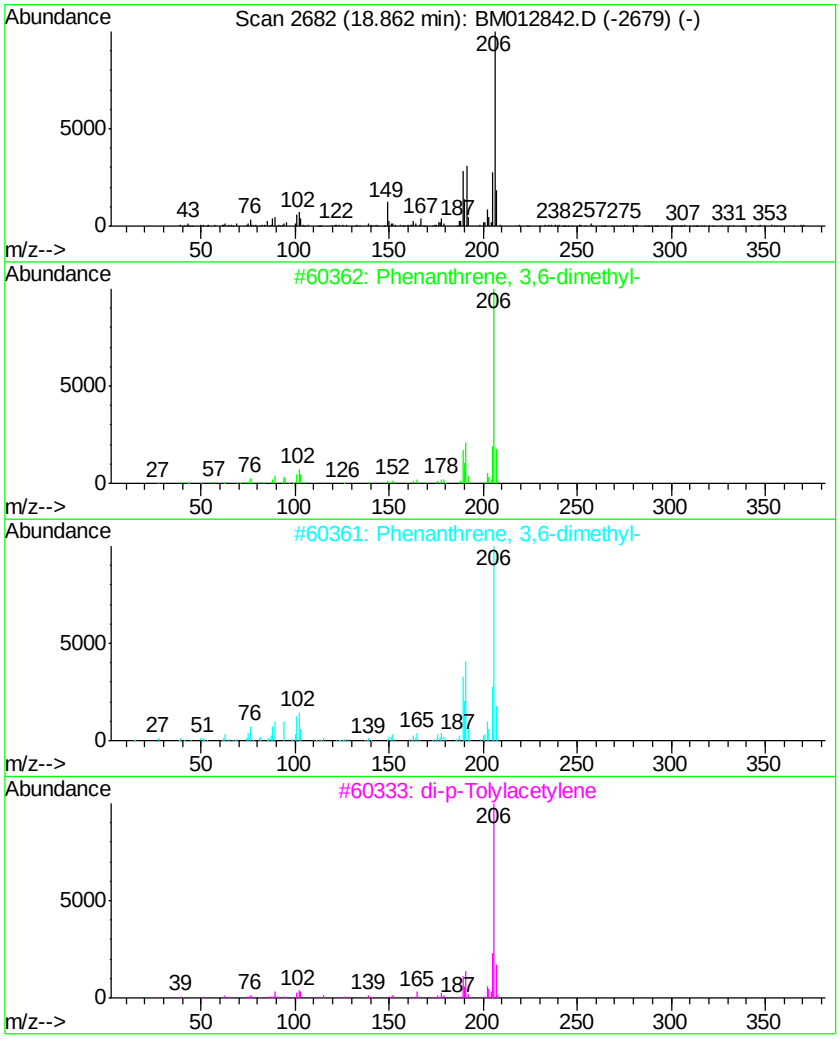
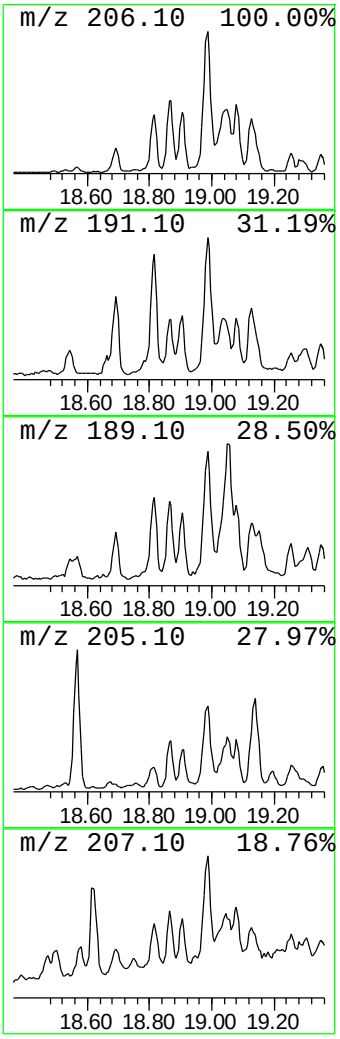
Peak Number 27 Phenanthrene, 3,6-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	4.69 ng/ul	431346	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86





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Quant Title : SVOA CALIBRATION

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

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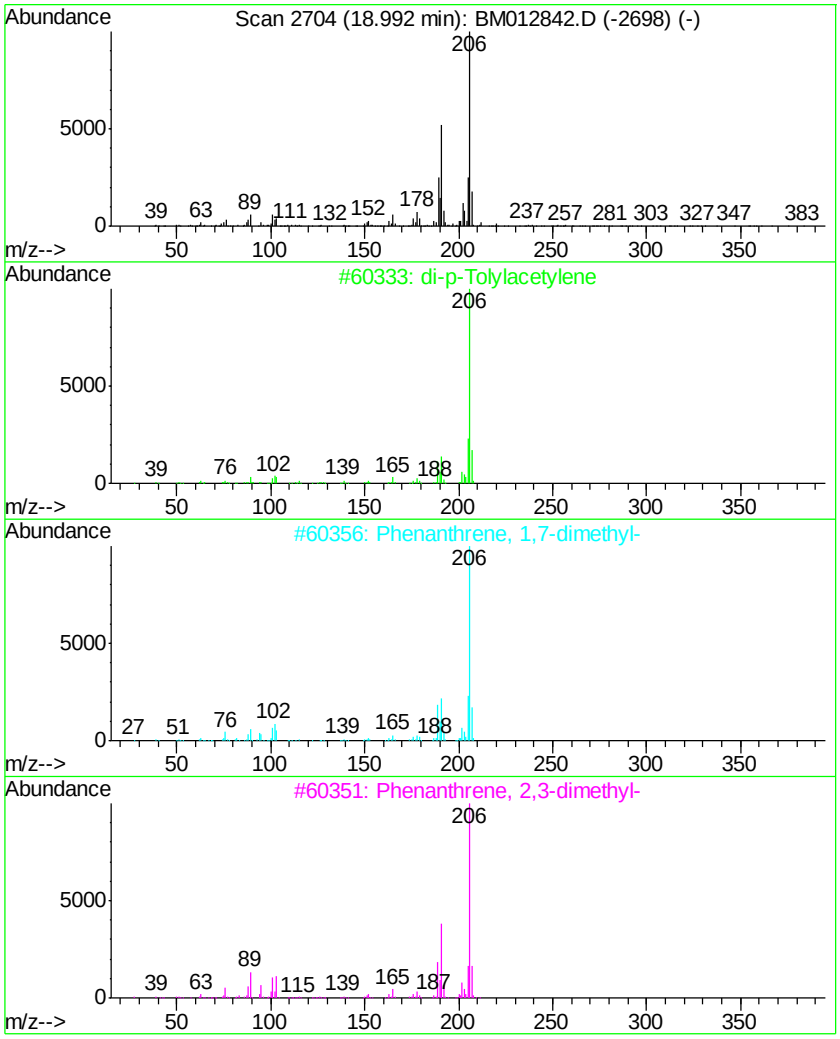
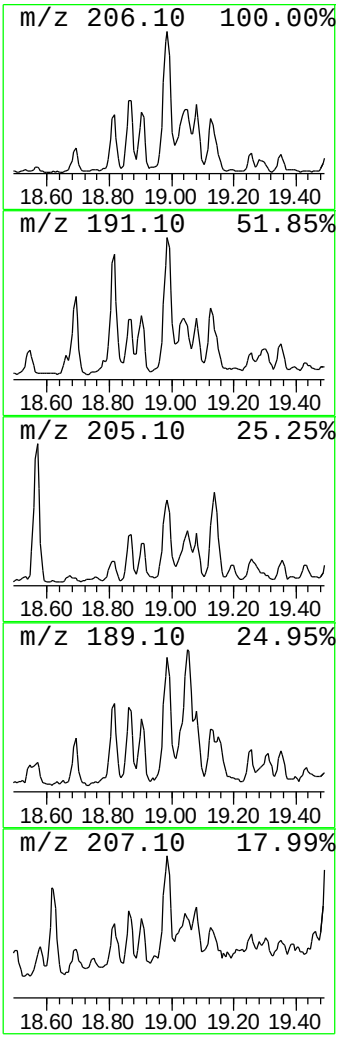
Peak Number 29 di-p-Tolylacetylene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	12.05 ng/ul	1108710	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87





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Quant Title : SVOA CALIBRATION

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

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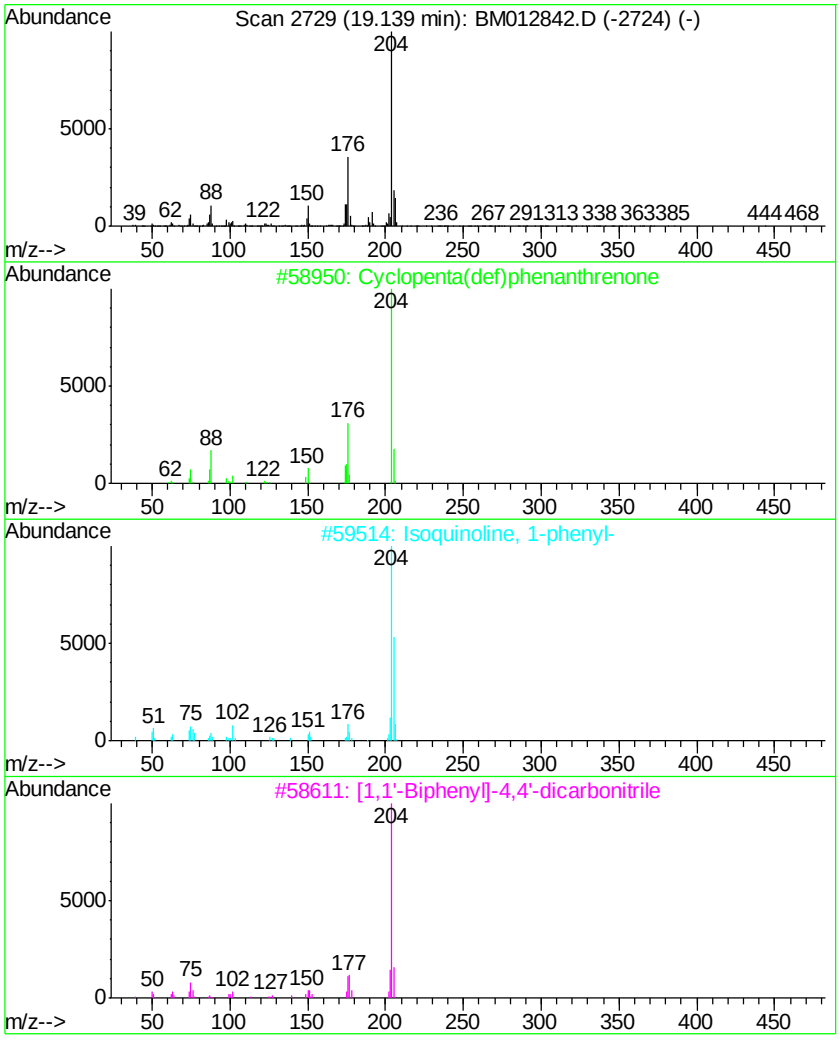
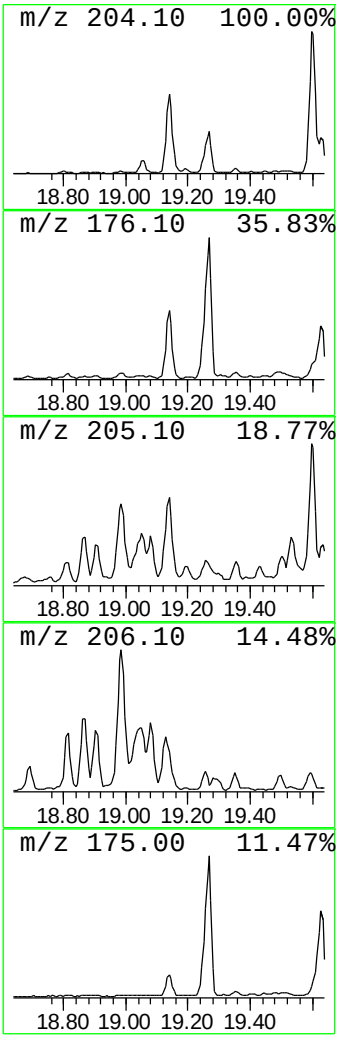
Peak Number 30 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.14	13.40 ng/ul	1233110	Phenanthrene-d10	17.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	Isoquinoline, 1-phenyl-	205	C15H11N	003297-72-1	64
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
4	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	53
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49





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Quant Title : SVOA CALIBRATION

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

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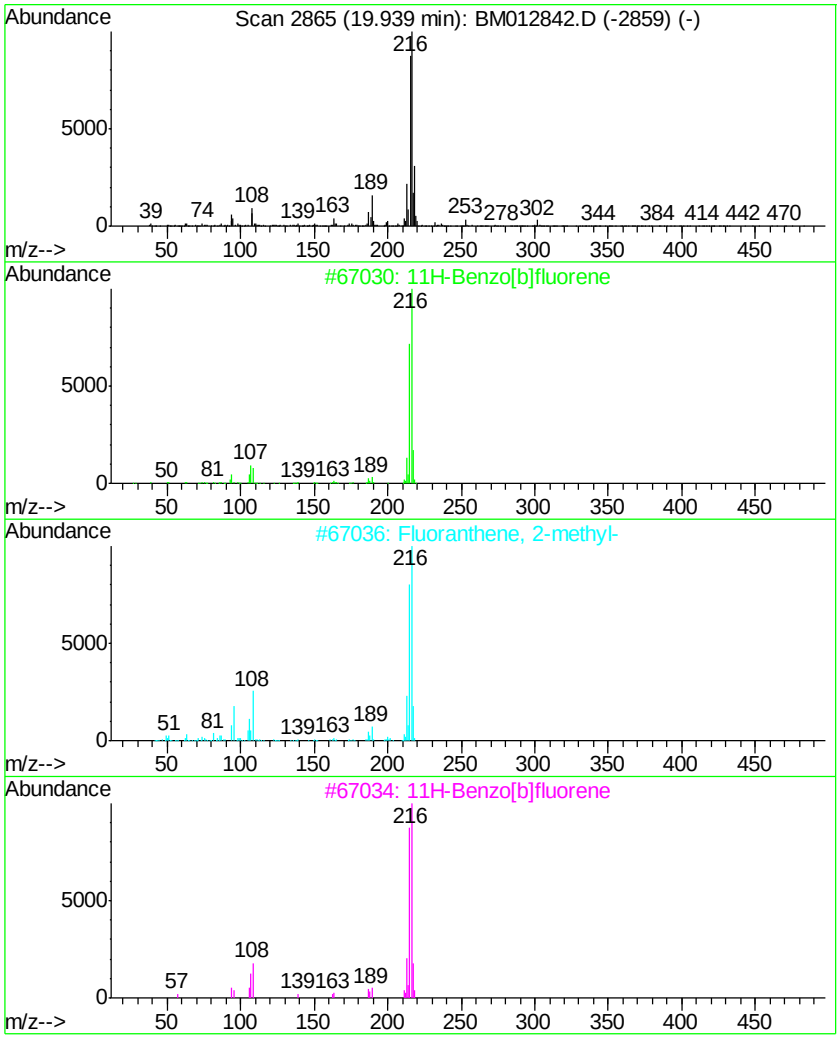
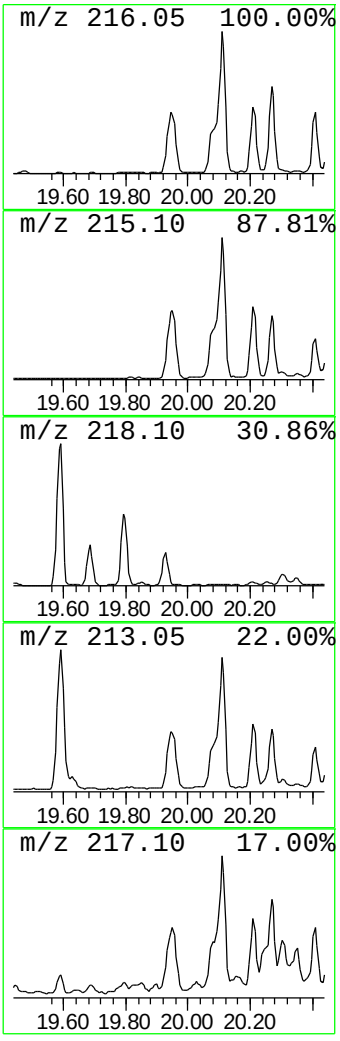
Peak Number 31 11H-Benzo[b]fluorene Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.94	3.01 ng/ul	2268810	Chrysene-d12	21.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





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TIC Integration Parameters: LSCINT.P

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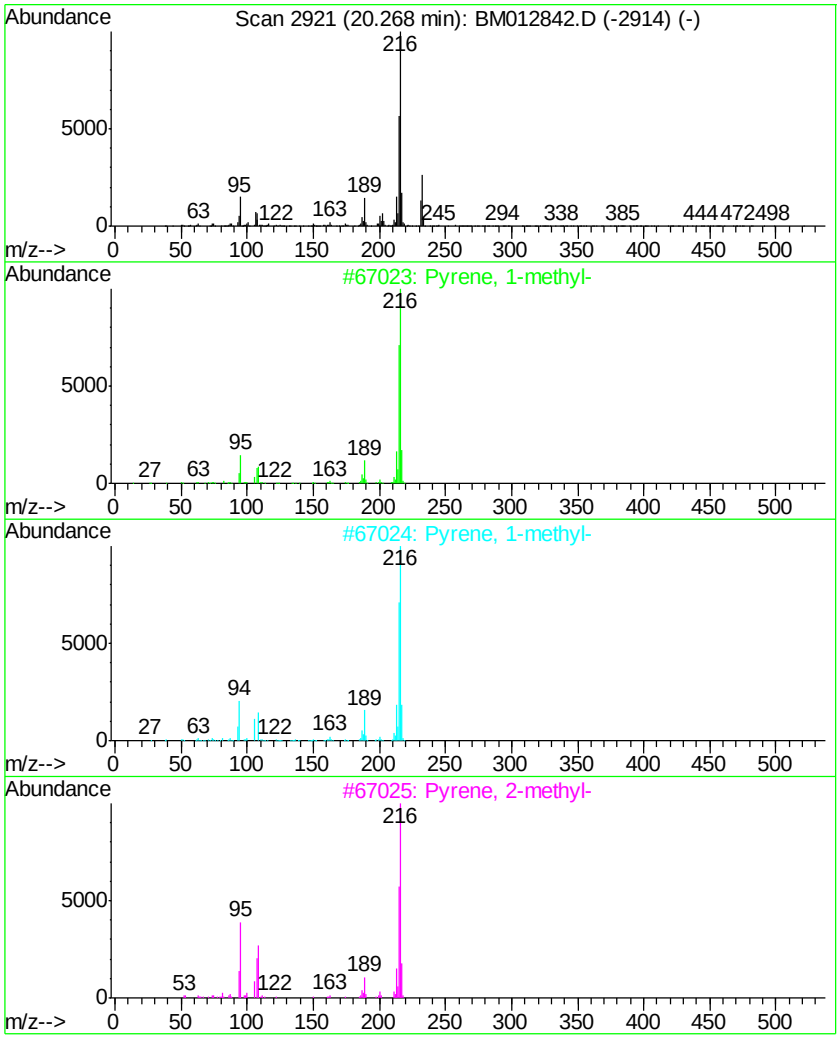
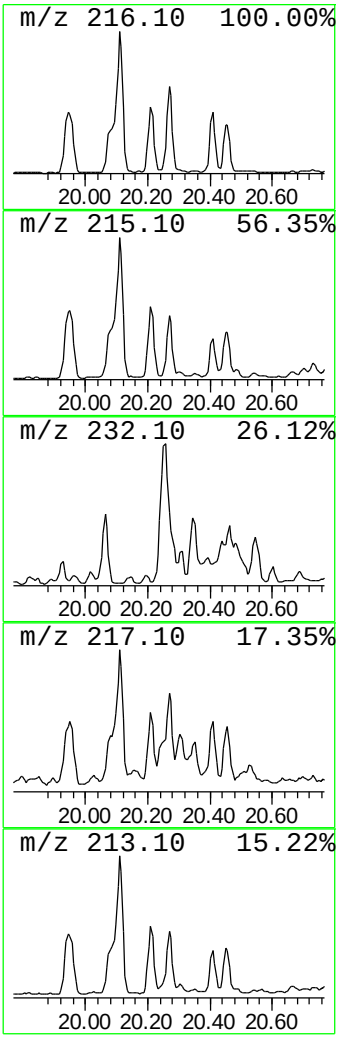
Peak Number 33 Pyrene, 1-methyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.27	2.66 ng/ul	2002010	Chrysene-d12	21.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012842.D
Acq On : 09 Nov 2017 04:16
Operator : SJ/JU
Sample : I6032-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-31(5-5.5)-101817

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

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

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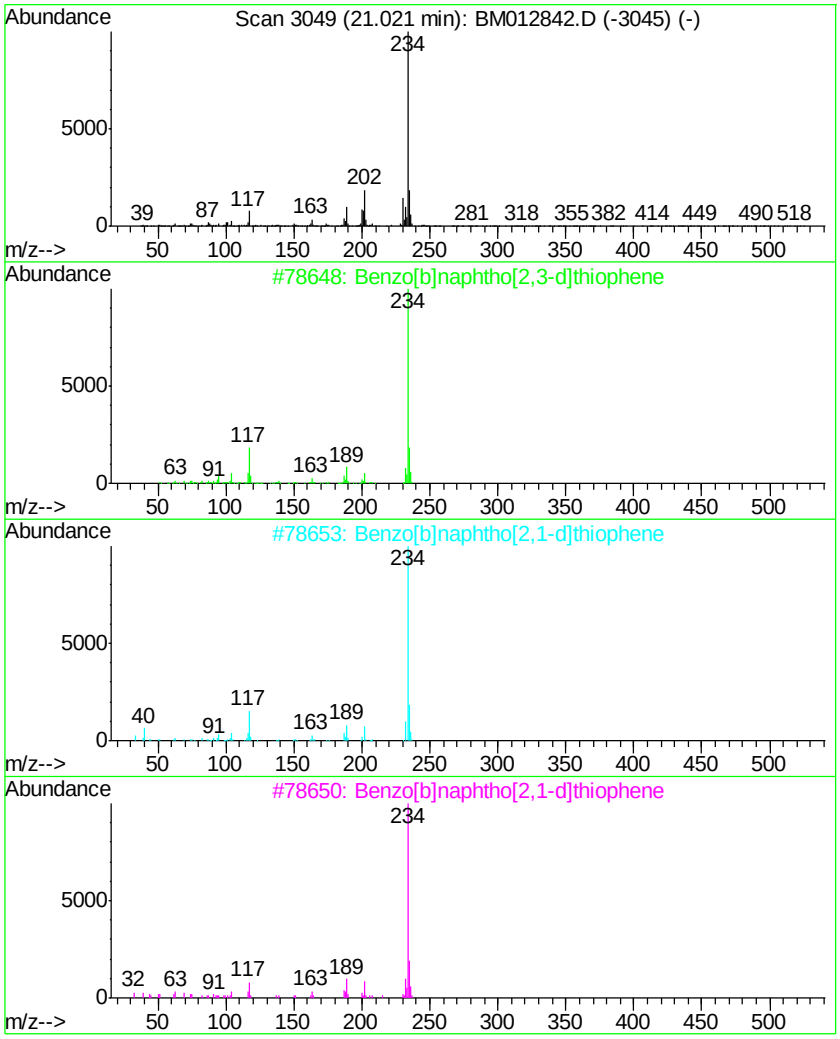
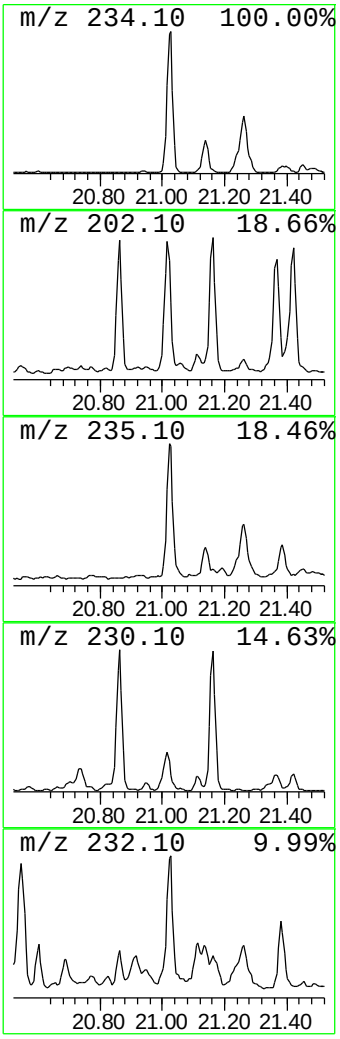
Peak Number 35 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.02	2.89 ng/ul	2178180	Chrysene-d12	21.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	81
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	80
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	80
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	80





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM110817\
Data File : BM012842.D
Acq On : 09 Nov 2017 04:16
Operator : SJ/JU
Sample : I6032-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-31(5-5.5)-101817

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.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
Benzene, 1,3-dime...	5.46	18.4	ng/ul	1043310	1	7.80	1131720	20.0
(DEL) Alkane: Str...	5.82	11.2	ng/ul	634426	1	7.80	1131720	20.0
(DEL) Alkane: Str...	7.42	13.8	ng/ul	779951	1	7.80	1131720	20.0
Benzene, 1,3,5-tr...	7.45	5.1	ng/ul	290525	1	7.80	1131720	20.0
Benzene, 1-methyl...	7.93	7.0	ng/ul	393548	1	7.80	1131720	20.0
Benzene, 4-ethyl-...	8.90	5.3	ng/ul	302474	1	7.80	1131720	20.0
(DEL) Alkane: Str...	9.02	14.0	ng/ul	794239	1	7.80	1131720	20.0
2-Naphthalenol	14.74	2.9	ng/ul	297355	3	14.44	2021710	20.0
1-Naphthalenamine	14.99	22.6	ng/ul	2279940	3	14.44	2021710	20.0
Dibenzofuran, 4-m...	15.79	6.3	ng/ul	631625	3	14.44	2021710	20.0
Phenol, 3-(2-phen...	16.73	5.5	ng/ul	504674	4	17.19	1840550	20.0
9H-Fluoren-9-one	16.85	10.8	ng/ul	994932	4	17.19	1840550	20.0
Anthracene, 1,2,3...	16.94	8.8	ng/ul	814345	4	17.19	1840550	20.0
4-Amino-1-naphthol	16.97	7.9	ng/ul	723957	4	17.19	1840550	20.0
Dibenzothiophene	17.01	17.1	ng/ul	1571910	4	17.19	1840550	20.0
Dibenzo[a,e]cyclo...	17.71	3.3	ng/ul	304140	4	17.19	1840550	20.0
Dibenzothiophene,...	17.77	4.9	ng/ul	454139	4	17.19	1840550	20.0
Phenanthrene, 2-m...	18.07	25.4	ng/ul	2340900	4	17.19	1840550	20.0
4H-Cyclopenta[def...	18.27	35.9	ng/ul	3298810	4	17.19	1840550	20.0
1H-Cyclopropa[l]p...	18.30	11.9	ng/ul	1098200	4	17.19	1840550	20.0
unknown-01	18.47	3.1	ng/ul	289109	4	17.19	1840550	20.0
5,16[1',2']:8,13[...	18.57	17.4	ng/ul	1598380	4	17.19	1840550	20.0
9,10-Anthracenedione	18.62	11.4	ng/ul	1052940	4	17.19	1840550	20.0
Phenanthrene, 4,5...	18.81	11.6	ng/ul	1070370	4	17.19	1840550	20.0
Phenanthrene, 3,6...	18.86	4.7	ng/ul	431346	4	17.19	1840550	20.0
di-p-Tolylacetylene	18.99	12.1	ng/ul	1108710	4	17.19	1840550	20.0
Cyclopenta(def)ph...	19.14	13.4	ng/ul	1233110	4	17.19	1840550	20.0
11H-Benzo[b]fluorene	19.94	3.0	ng/ul	2268810	5	21.38	15050500	20.0
Pyrene, 1-methyl-	20.27	2.7	ng/ul	2002010	5	21.38	15050500	20.0
Benzo[b]naphtho[2...	21.02	2.9	ng/ul	2178180	5	21.38	15050500	20.0