LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002792.D
Acq On : 30 Sep 2015 21:23
Operator : UM/IZ
Sample : G3798-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G67

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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-BM092915.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	3.110	3	4	13	rVB	37316	39334	0.74%	0.083%
2	3.363	40	47	52	rBV	153845	323272	6.04%	0.683%
3	3.410	52	55	57	rVV	75681	98303	1.84%	0.208%
4	3.458	57	63	70	rVV	1336657	2076075	38.81%	4.387%
5	3.510	70	72	84	rVB	39323	60692	1.13%	0.128%
6	4.375	214	219	224	rBV	61713	86176	1.61%	0.182%
7	6.610	585	599	604	rBV6	11615	32904	0.62%	0.070%
8	7.616	765	770	776	rBV2	23114	39710	0.74%	0.084%
9	7.822	795	805	812	rBV	156058	289444	5.41%	0.612%
10	7.992	826	834	840	rBV	129302	216907	4.05%	0.458%
11	8.216	865	872	878	rVV	171515	296016	5.53%	0.626%
12	8.698	948	954	964	rBV	288131	492699	9.21%	1.041%
13	9.251	1043	1048	1055	rVV2	29791	59278	1.11%	0.125%
14	9.334	1055	1062	1067	rVV3	19586	37323	0.70%	0.079%
15	9.404	1067	1074	1082	rVV	172147	297550	5.56%	0.629%
16	9.898	1149	1158	1165	rBV	152313	271282	5.07%	0.573%
17	10.404	1239	1244	1249	rBV	20912	30292	0.57%	0.064%
18	10.628	1274	1282	1289	rBV	117592	205930	3.85%	0.435%
19	10.886	1318	1326	1331	rVV4	16050	32230	0.60%	0.068%
20	10.975	1337	1341	1349	rVV8	12238	30808	0.58%	0.065%
21	11.175	1368	1375	1380	rVV	180820	329020	6.15%	0.695%
22	11.228	1380	1384	1400	rVB3	30253	76515	1.43%	0.162%
23	11.563	1433	1441	1447	rVV	398384	746590	13.96%	1.578%
24	11.610	1447	1449	1458	rVV	48017	89189	1.67%	0.188%
25	11.686	1458	1462	1467	rVV	35707	69570	1.30%	0.147%
26	13.010	1680	1687	1694	rBV2	19758	38199	0.71%	0.081%
27	13.169	1708	1714	1721	rVB	49866	75261	1.41%	0.159%
28	13.386	1745	1751	1757	rBV	34316	54391	1.02%	0.115%
29	14.069	1862	1867	1873	rBV	23005	37284	0.70%	0.079%
30	14.480	1930	1937	1942	rBV3	14618	34281	0.64%	0.072%
31	14.621	1954	1961	1965	rBV	30121	54879	1.03%	0.116%
32	14.674	1965	1970	1974	rBV	310134	453039	8.47%	0.957%
33	14.721	1974	1978	1982	rVB	185713	261058	4.88%	0.552%
34	15.004	2019	2026	2028	rBV	361416	596214	11.15%	1.260%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002792.D
Acq On : 30 Sep 2015 21:23
Operator : UM/IZ
Sample : G3798-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G67

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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-BM092915.M
Title : SVOA CALIBRATION

35	15.033	2028	2031	2040	rVV	417243	627155	11.72%	1.325%
36	15.116	2040	2045	2052	rVB	43222	67159	1.26%	0.142%
37	15.298	2070	2076	2083	rVB2	461554	722933	13.51%	1.528%
38	15.363	2083	2087	2092	rVB	33830	49152	0.92%	0.104%
39	15.474	2099	2106	2115	rBV2	97899	188490	3.52%	0.398%
40	15.568	2115	2122	2125	rBV2	24792	45065	0.84%	0.095%
41	15.668	2135	2139	2146	rBV2	20155	51065	0.95%	0.108%
42	15.745	2146	2152	2159	rVB7	20746	42846	0.80%	0.091%
43	15.886	2169	2176	2181	rBV3	32368	65167	1.22%	0.138%
44	16.051	2199	2204	2208	rVB2	70022	98593	1.84%	0.208%
45	16.151	2217	2221	2229	rBV	30723	49476	0.92%	0.105%
46	16.274	2236	2242	2248	rBV	429874	662859	12.39%	1.401%
47	16.327	2249	2251	2259	rVB2	32957	62448	1.17%	0.132%
48	16.398	2259	2263	2267	rBV2	39786	67171	1.26%	0.142%
49	16.451	2268	2272	2278	rVB4	41273	66422	1.24%	0.140%
50	16.539	2280	2287	2295	rVV6	23292	61620	1.15%	0.130%
51	16.610	2295	2299	2304	rVB2	22325	35243	0.66%	0.074%
52	16.745	2318	2322	2330	rVB5	26665	48087	0.90%	0.102%
53	16.921	2344	2352	2358	rBV2	111979	280559	5.24%	0.593%
54	17.004	2363	2366	2370	rVB	32063	41561	0.78%	0.088%
55	17.104	2379	2383	2388	rBV2	22184	36175	0.68%	0.076%
56	17.168	2388	2394	2401	rBV9	29120	87686	1.64%	0.185%
57	17.292	2412	2415	2422	rVB5	31995	58238	1.09%	0.123%
58	17.521	2450	2454	2459	rBV3	31999	58665	1.10%	0.124%
59	17.586	2463	2465	2470	rVB	65729	87685	1.64%	0.185%
60	17.674	2474	2480	2484	rVV3	85177	140186	2.62%	0.296%
61	17.727	2484	2489	2495	rVB4	51648	92688	1.73%	0.196%
62	17.833	2503	2507	2514	rVB2	34115	62882	1.18%	0.133%
63	18.009	2532	2537	2541	rBV	471419	711236	13.30%	1.503%
64	18.051	2541	2544	2549	rVV	336818	474902	8.88%	1.004%
65	18.109	2549	2554	2557	rVV	398921	632380	11.82%	1.336%
66	18.145	2557	2560	2566	rVV	689329	999849	18.69%	2.113%
67	18.198	2567	2569	2576	rVB3	55611	93449	1.75%	0.197%
68	18.404	2599	2604	2612	rBV3	186654	331963	6.21%	0.702%
69	18.804	2668	2672	2676	rBV3	83310	120779	2.26%	0.255%
70	18.862	2678	2682	2685	rVV	94460	151129	2.83%	0.319%
71	18.909	2686	2690	2697	rVV2	105477	191417	3.58%	0.405%

LSC Area Percent Report

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Acq On : 30 Sep 2015 21:23
Operator : UM/IZ
Sample : G3798-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G67

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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-BM092915.M
Title : SVOA CALIBRATION

72	18.986	2699	2703	2708	rVV	157402	237492	4.44%	0.502%
73	19.062	2709	2716	2726	rVB4	171577	519954	9.72%	1.099%
74	19.333	2758	2762	2767	rVB3	124262	185669	3.47%	0.392%
75	19.392	2769	2772	2778	rVB2	73809	101459	1.90%	0.214%
76	19.662	2815	2818	2820	rBV	52795	63980	1.20%	0.135%
77	19.739	2827	2831	2836	rBV	202970	314575	5.88%	0.665%
78	19.898	2855	2858	2864	rVB	141601	202786	3.79%	0.429%
79	20.015	2870	2878	2882	rBV	1954898	2768166	51.75%	5.850%
80	20.156	2898	2902	2907	rBV	191457	275808	5.16%	0.583%
81	20.256	2916	2919	2926	rVB4	124648	238396	4.46%	0.504%
82	20.339	2926	2933	2935	rBV4	633066	1229654	22.99%	2.599%
83	20.374	2935	2939	2944	rVV	2002592	2926295	54.70%	6.184%
84	20.421	2944	2947	2952	rVB2	185128	274698	5.14%	0.581%
85	20.533	2963	2966	2969	rVB	145313	164748	3.08%	0.348%
86	20.674	2985	2990	2996	rBV3	298190	619234	11.58%	1.309%
87	20.839	3010	3018	3023	rVB2	305127	863667	16.15%	1.825%
88	20.998	3043	3045	3048	rVB	273232	241225	4.51%	0.510%
89	21.133	3065	3068	3073	rBV2	296293	428167	8.00%	0.905%
90	21.180	3073	3076	3082	rVB3	226446	304265	5.69%	0.643%
91	21.568	3138	3142	3148	rBV	530828	775352	14.49%	1.639%
92	21.703	3162	3165	3167	rBV	279164	373765	6.99%	0.790%
93	21.821	3181	3185	3188	rBV2	417421	610263	11.41%	1.290%
94	22.086	3225	3230	3237	rBV3	1659655	3924367	73.36%	8.293%
95	22.145	3237	3240	3250	rVB	1567223	2309082	43.17%	4.880%
96	22.450	3288	3292	3296	rBV	306347	431304	8.06%	0.911%
97	23.915	3533	3541	3546	rBV2	1976594	5349351	100.00%	11.305%
98	24.109	3570	3574	3580	rVB	447736	795499	14.87%	1.681%
99	24.486	3631	3638	3644	rBV	1090318	2425163	45.34%	5.125%
100	24.597	3652	3657	3665	rVB	1326484	2769447	51.77%	5.853%

Sum of corrected areas: 47319926

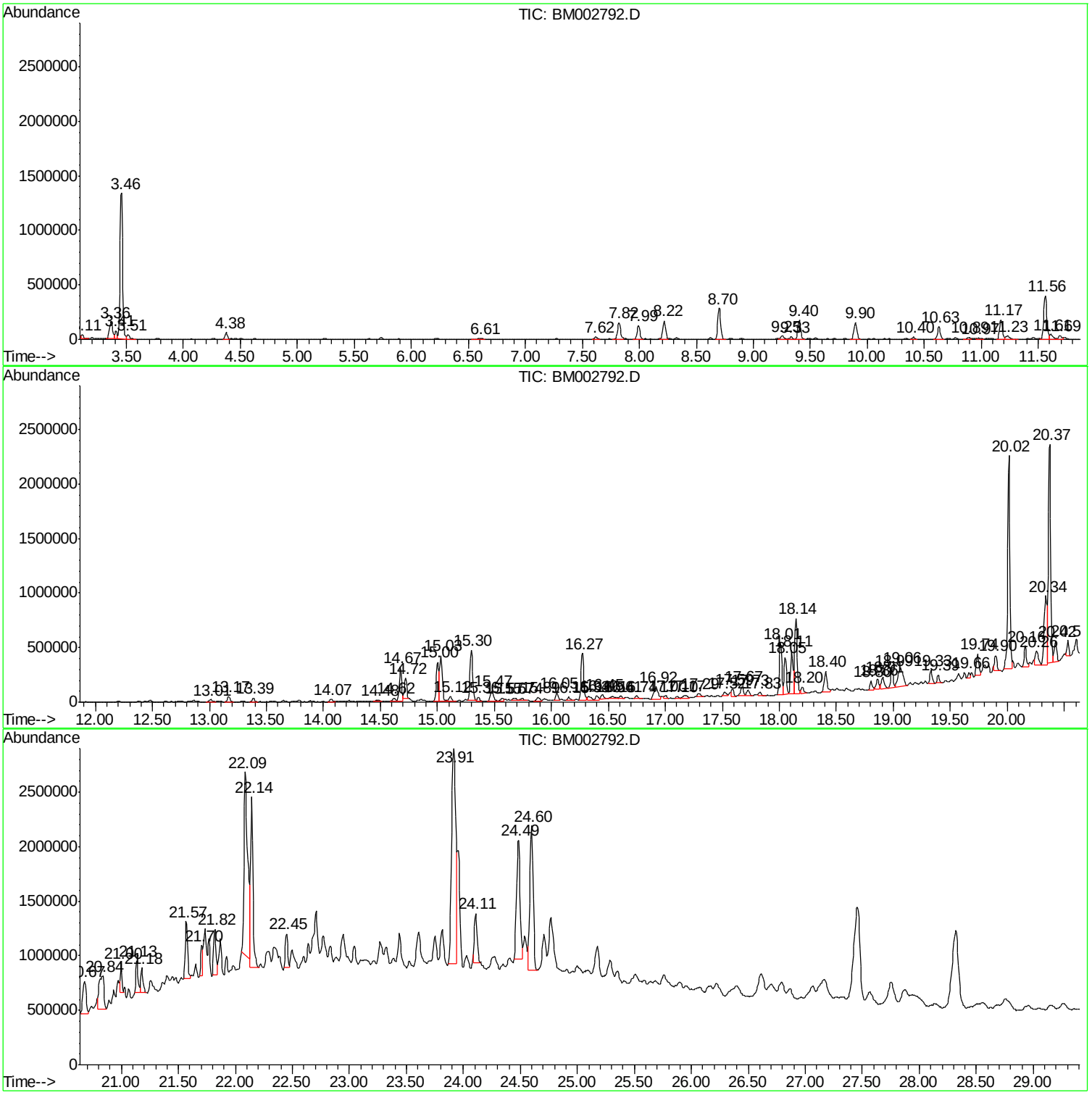
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002792.D
Acq On : 30 Sep 2015 21:23
Operator : UM/IZ
Sample : G3798-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G67

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002792.D
Acq On : 30 Sep 2015 21:23
Operator : UM/IZ
Sample : G3798-13
Misc :
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Instrument : BNA_M
ClientSampleId : D9G67

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

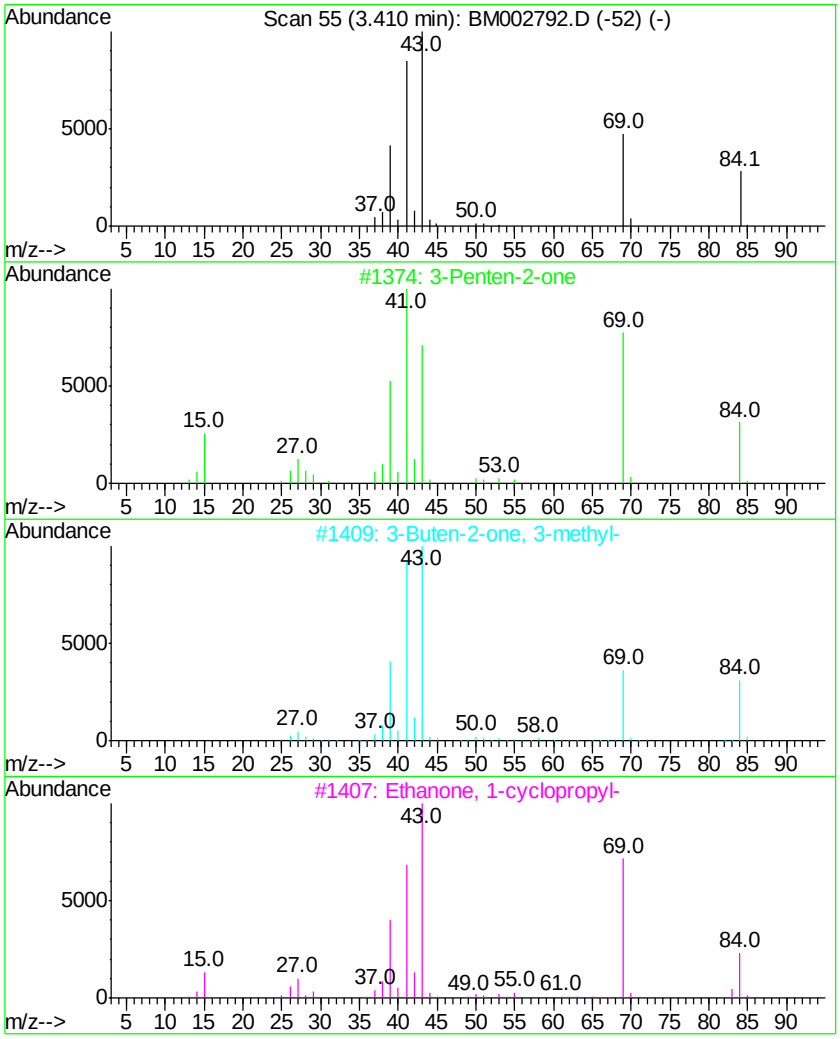
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

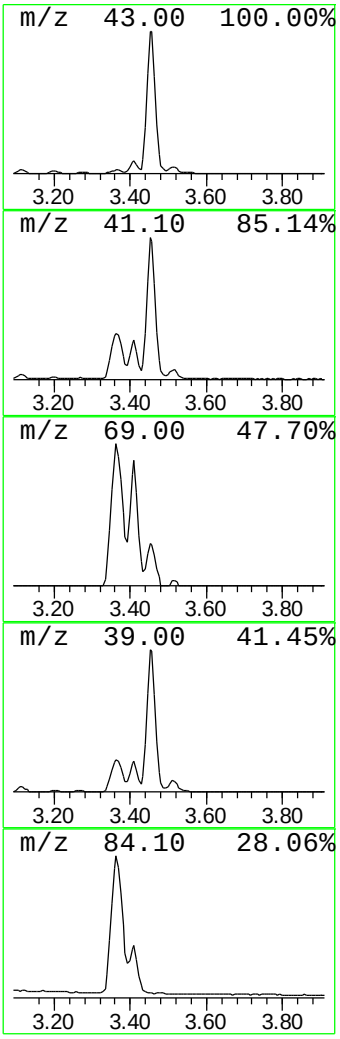
****

Peak Number 2 3-Penten-2-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.41	3.99 ng/ul	98303	1,4-Dichlorobenzene-d4	8.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one	84	C5H8O	000625-33-2	86
2	3-Buten-2-one, 3-methyl-	84	C5H8O	000814-78-8	78
3	Ethanone, 1-cyclopropyl-	84	C5H8O	000765-43-5	72
4	Ethanone, 1-cyclopropyl-	84	C5H8O	000765-43-5	50
5	Cyclopropane, 1,1,2-trimethyl-	84	C6H12	004127-45-1	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002792.D
Acq On : 30 Sep 2015 21:23
Operator : UM/IZ
Sample : G3798-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G67

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

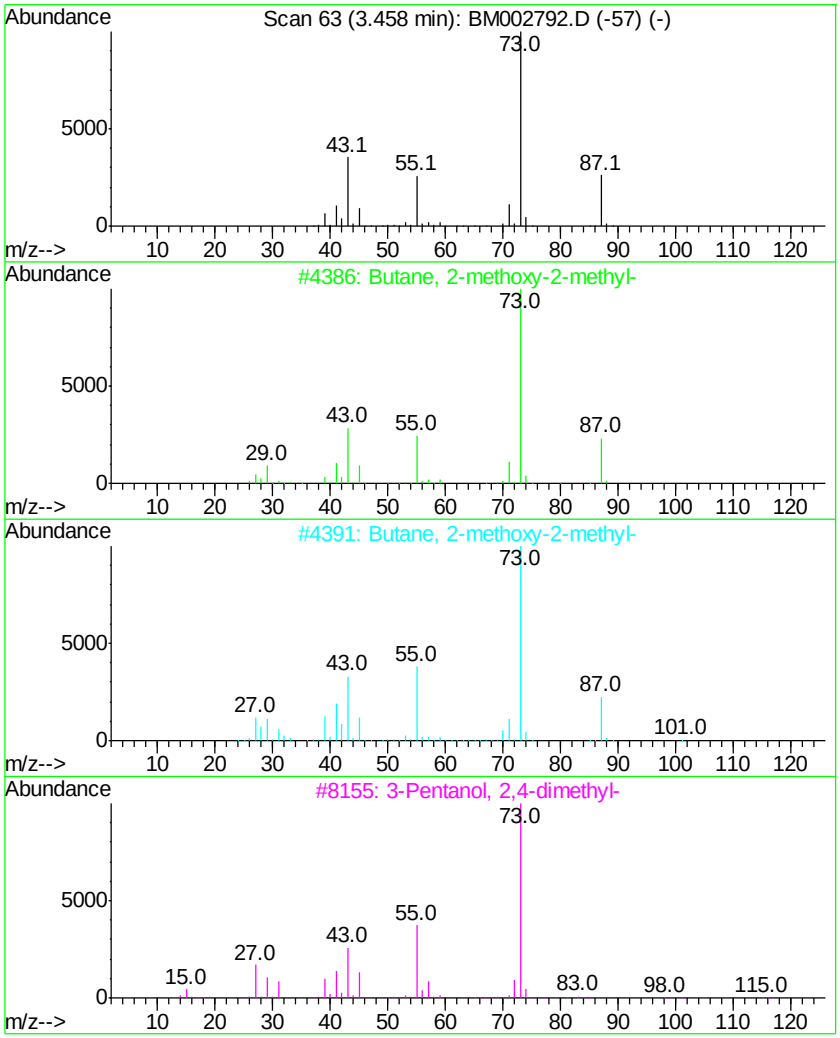
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

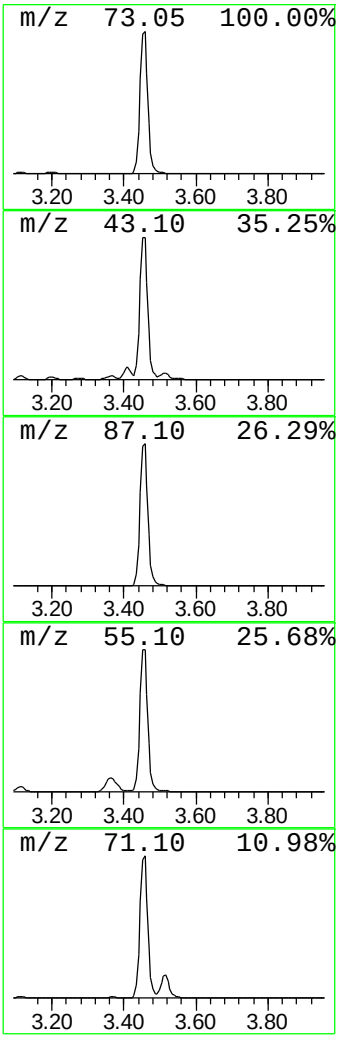
****

Peak Number 3 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.46	84.27 ng/ul	2076080	1,4-Dichlorobenzene-d4	8.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	45
3	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002792.D
Acq On : 30 Sep 2015 21:23
Operator : UM/IZ
Sample : G3798-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G67

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

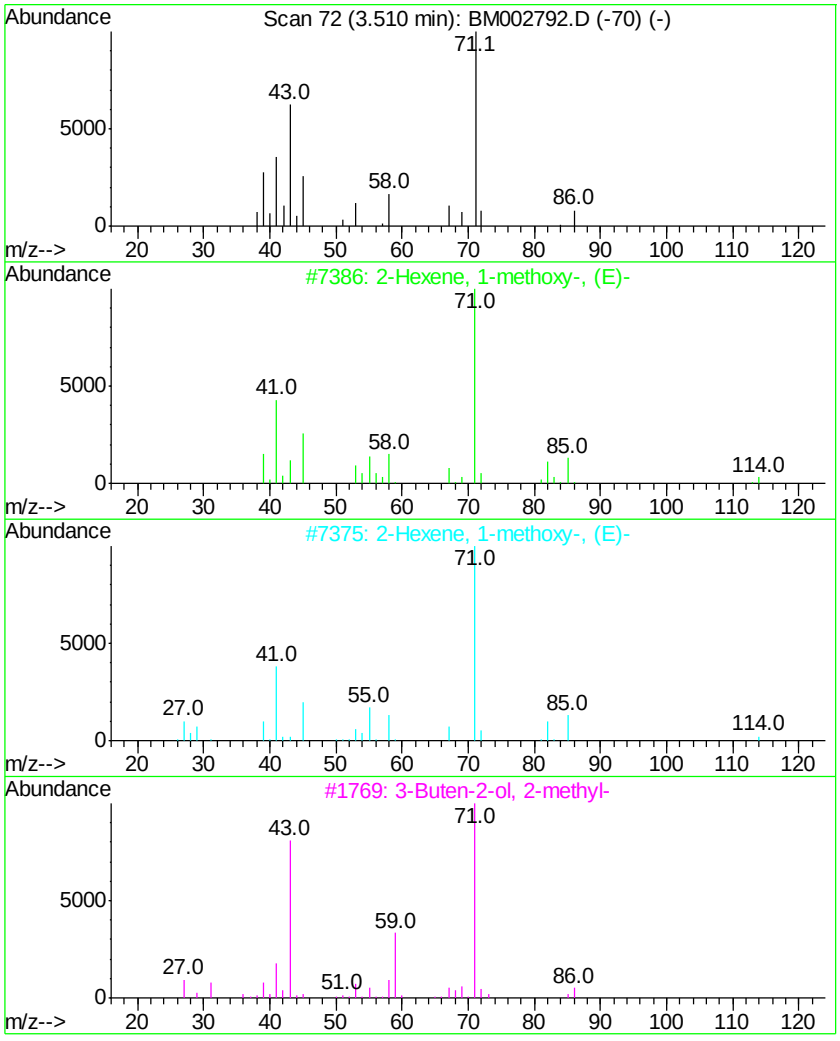
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

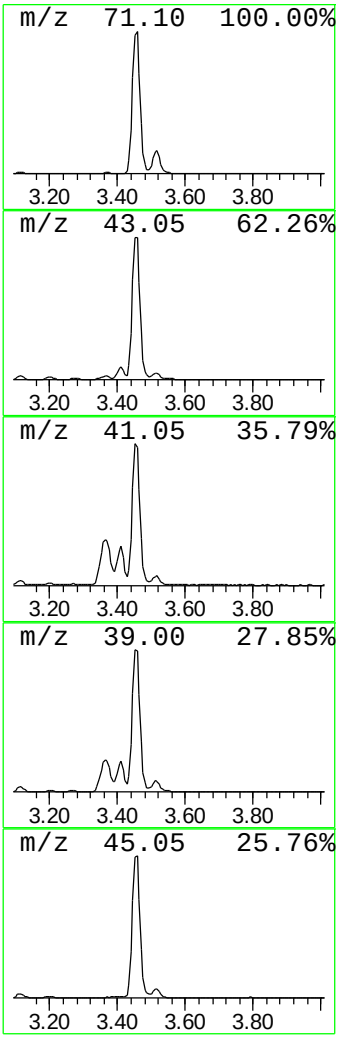
****

Peak Number 4 2-Hexene, 1-methoxy-, (E)- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.51	2.46 ng/ul	60692	1,4-Dichlorobenzene-d4	8.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 1-methoxy-, (E)-	114	C7H14O	056052-83-6	72
2	2-Hexene, 1-methoxy-, (E)-	114	C7H14O	056052-83-6	72
3	3-Buten-2-ol, 2-methyl-	86	C5H10O	000115-18-4	53
4	Furan, tetrahydro-2-(methoxymeth...	116	C6H12O2	019354-27-9	50
5	Cyclopropanemethanol, .alpha.-bu...	128	C8H16O	004379-16-2	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002792.D
Acq On : 30 Sep 2015 21:23
Operator : UM/IZ
Sample : G3798-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G67

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

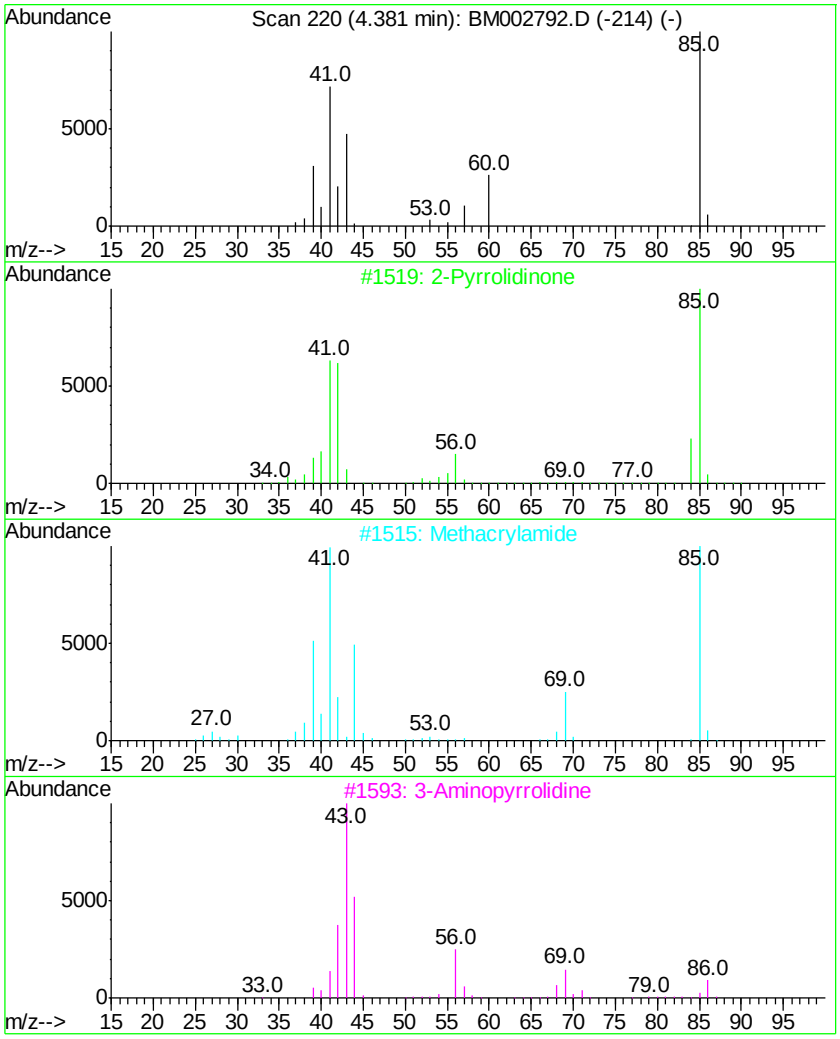
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

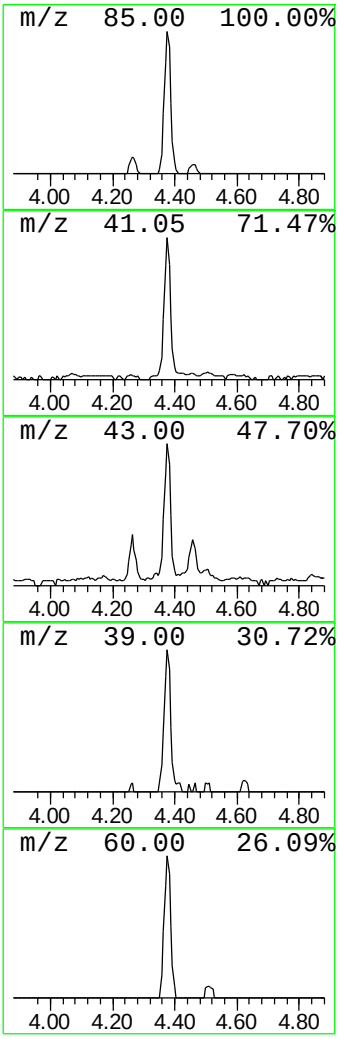
****

Peak Number 5 2-Pyrrolidinone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.38	3.50 ng/ul	86176	1,4-Dichlorobenzene-d4	8.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pyrrolidinone	85	C4H7NO	000616-45-5	50
2	Methacrylamide	85	C4H7NO	000079-39-0	36
3	3-Aminopyrrolidine	86	C4H10N2	079286-79-6	9
4	2-Pyrrolidinone	85	C4H7NO	000616-45-5	9
5	2-Pyrrolidinone	85	C4H7NO	000616-45-5	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002792.D
Acq On : 30 Sep 2015 21:23
Operator : UM/IZ
Sample : G3798-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G67

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

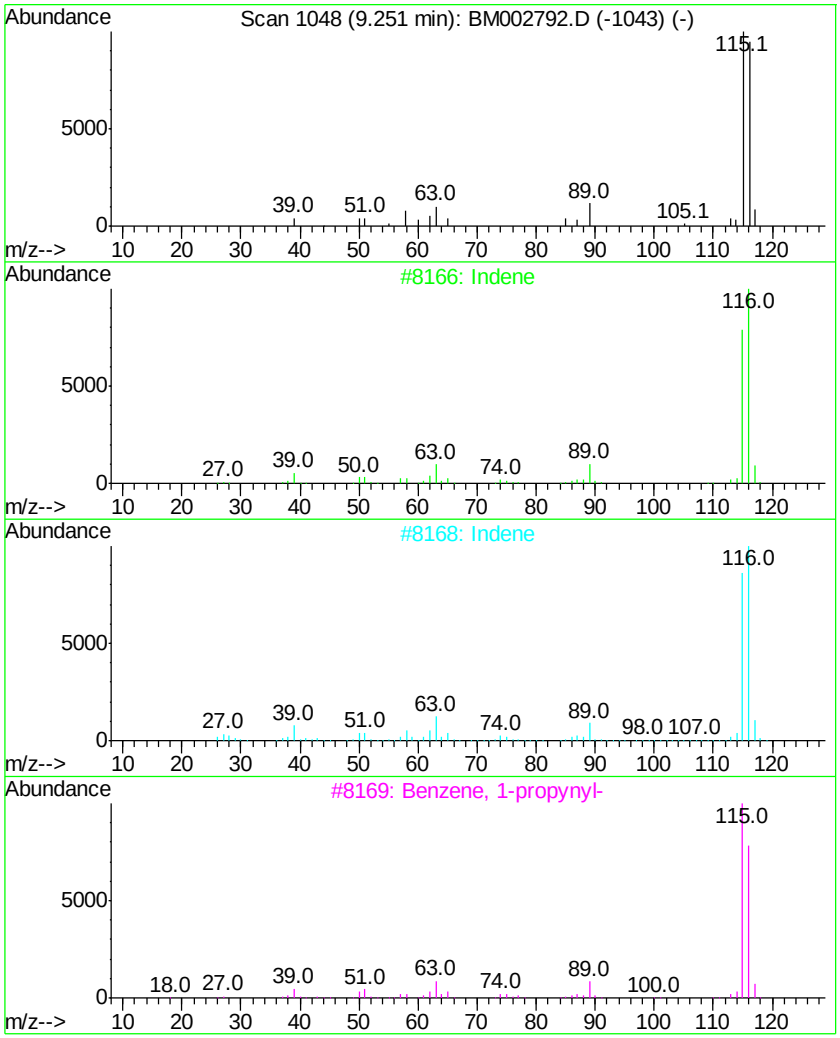
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

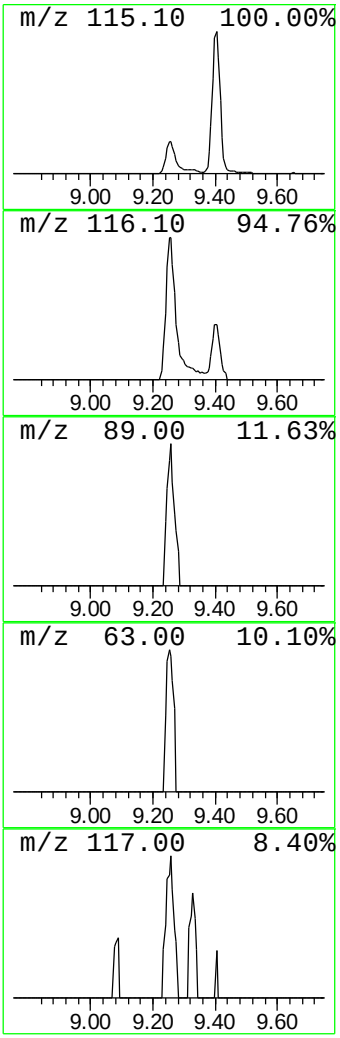
****

Peak Number 6 Indene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.25	2.41 ng/ul	59278	1,4-Dichlorobenzene-d4	8.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	91
2	Indene	116	C9H8	000095-13-6	91
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	90
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	90
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	86





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002792.D
Acq On : 30 Sep 2015 21:23
Operator : UM/IZ
Sample : G3798-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G67

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

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

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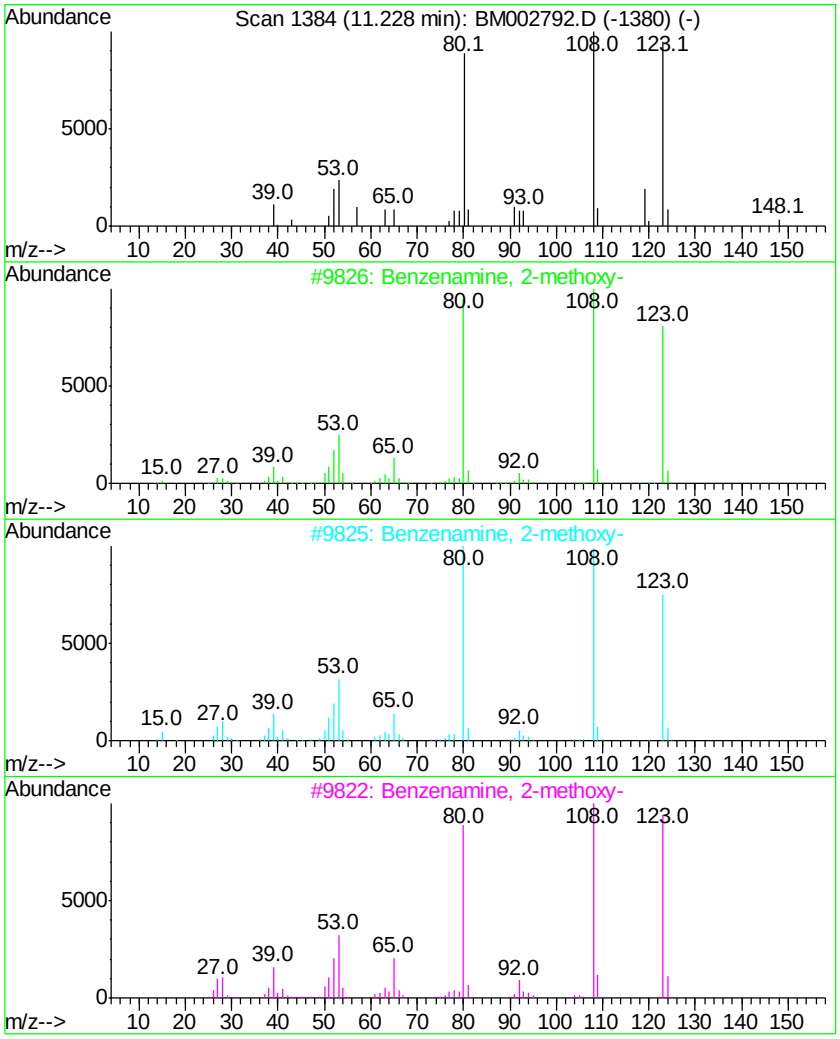
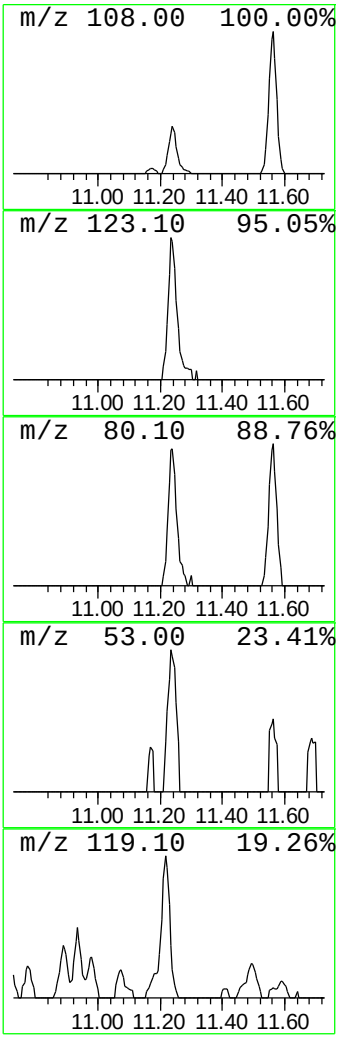
Peak Number 7 Benzenamine, 2-methoxy- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	2.05 ng/ul	76515	Naphthalene-d8	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 2-methoxy-	123	C7H9NO	000090-04-0	90
2	Benzenamine, 2-methoxy-	123	C7H9NO	000090-04-0	90
3	Benzenamine, 2-methoxy-	123	C7H9NO	000090-04-0	90
4	Benzenamine, 2-methoxy-	123	C7H9NO	000090-04-0	87
5	1,2-Benzenediamine	108	C6H8N2	000095-54-5	72





Library Search Compound Report

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Acq On : 30 Sep 2015 21:23
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Sample : G3798-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G67

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Quant Title : SVOA CALIBRATION

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

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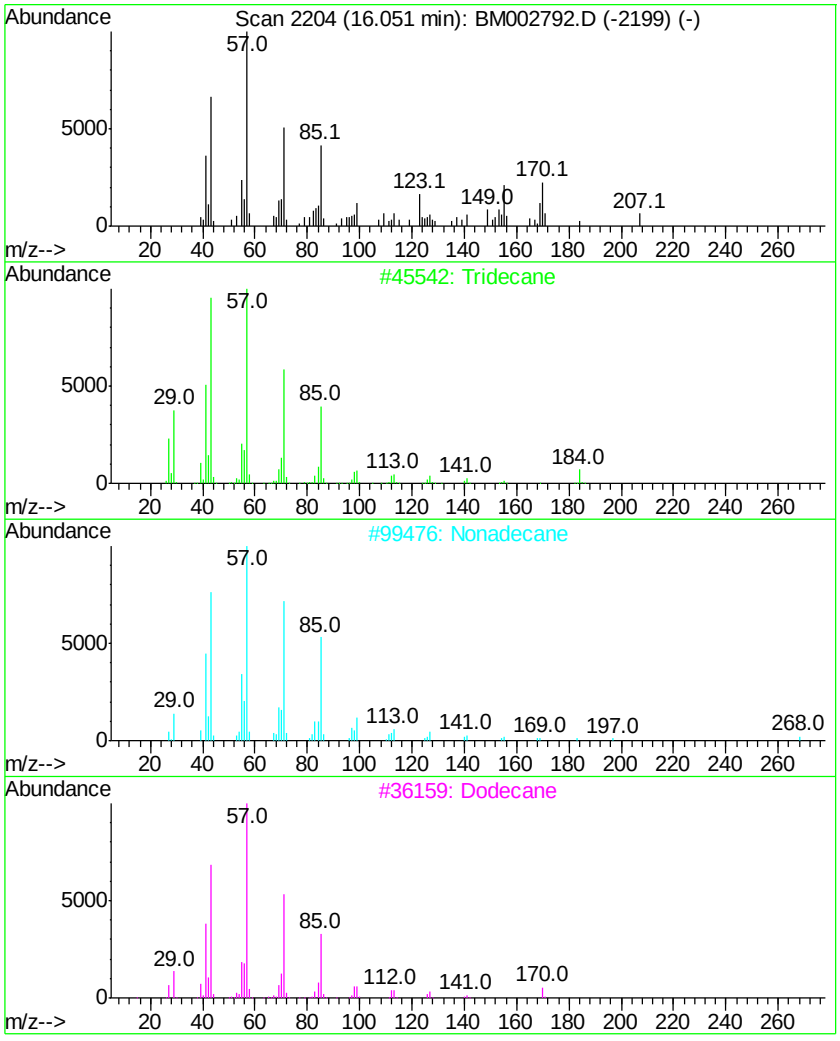
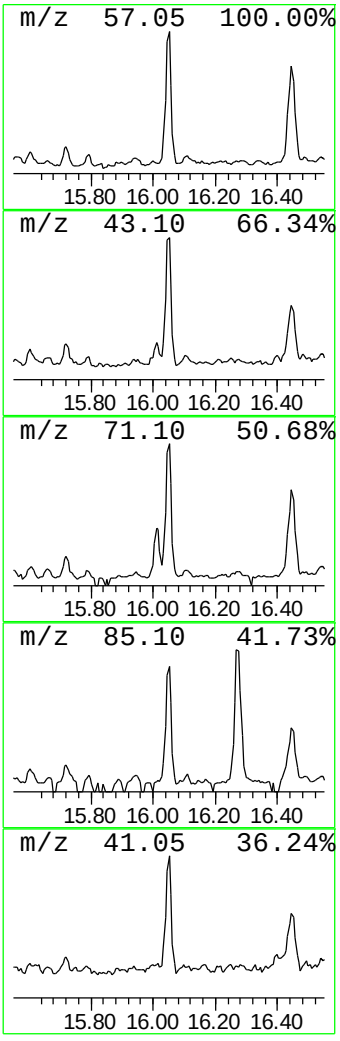
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	2.73 ng/ul	98593	Acenaphthene-d10	15.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	83
2	Nonadecane	268	C19H40	000629-92-5	64
3	Dodecane	170	C12H26	000112-40-3	64
4	Tridecane	184	C13H28	000629-50-5	64
5	Undecane	156	C11H24	001120-21-4	64





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Sample : G3798-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G67

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

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

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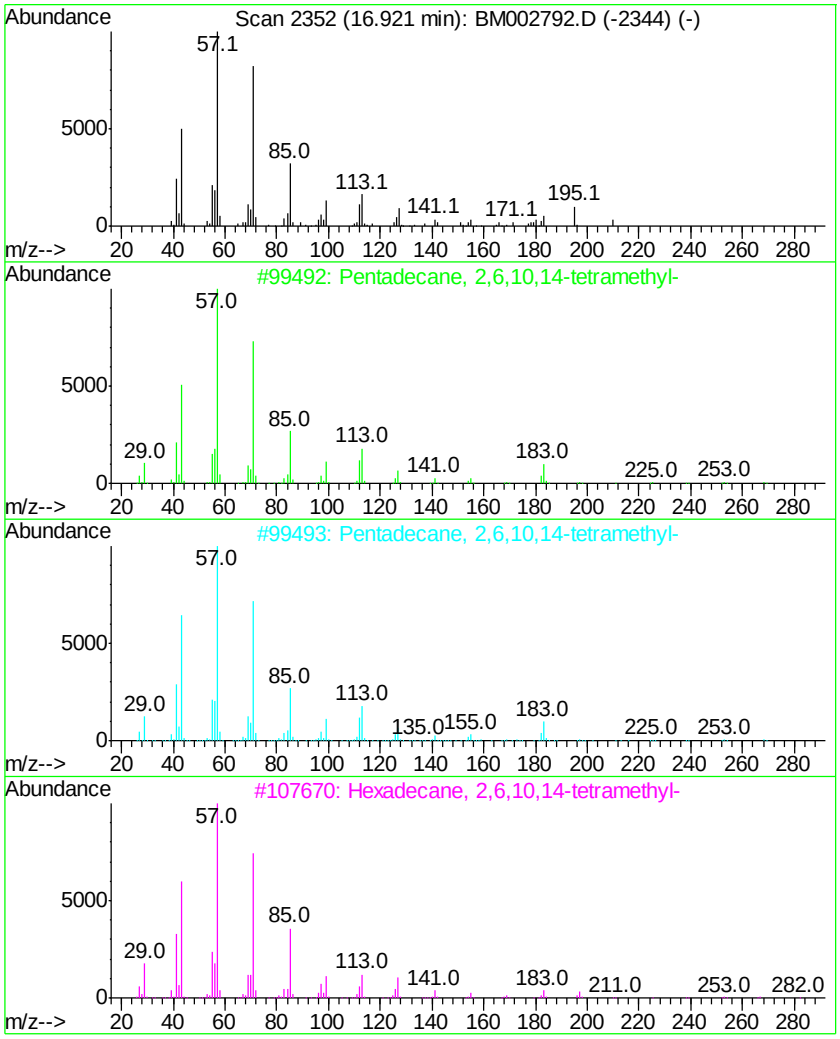
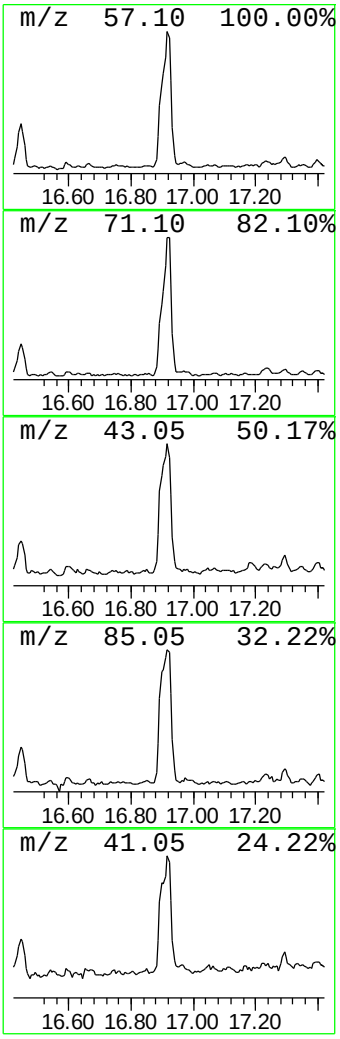
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.92	7.89 ng/ul	280559	Phenanthrene-d10	18.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	87
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	87
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	87
4	Octadecane, 2,6-dimethyl-	282	C20H42	075163-97-2	86
5	Heptacosane	380	C27H56	000593-49-7	72





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Sample : G3798-13
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ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G67

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Quant Title : SVOA CALIBRATION

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

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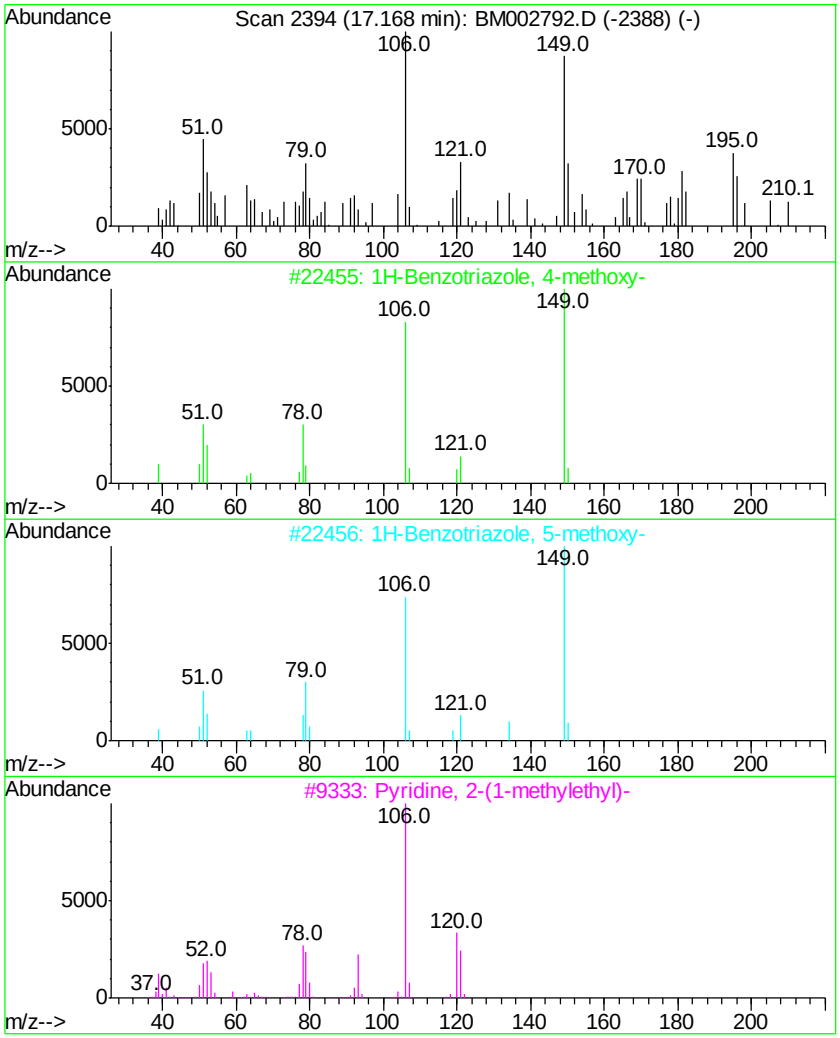
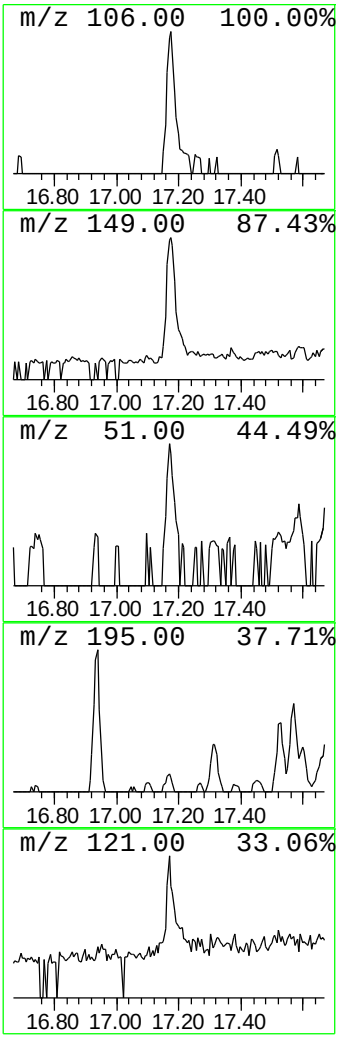
Peak Number 10 1H-Benzotriazole, 4-methoxy- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.17	2.47 ng/ul	87686	Phenanthrene-d10	18.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benzotriazole, 4-methoxy-	149	C7H7N3O	027799-90-2	52
2	1H-Benzotriazole, 5-methoxy-	149	C7H7N3O	027799-91-3	41
3	Pyridine, 2-(1-methylethyl)-	121	C8H11N	000644-98-4	38
4	Formamide, N-ethyl-N-phenyl-	149	C9H11NO	005461-49-4	35
5	Ethyl 2,6-dimethyl-3-hydroxyison...	195	C10H13NO3	1000213-05-7	18





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Sample : G3798-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G67

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

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

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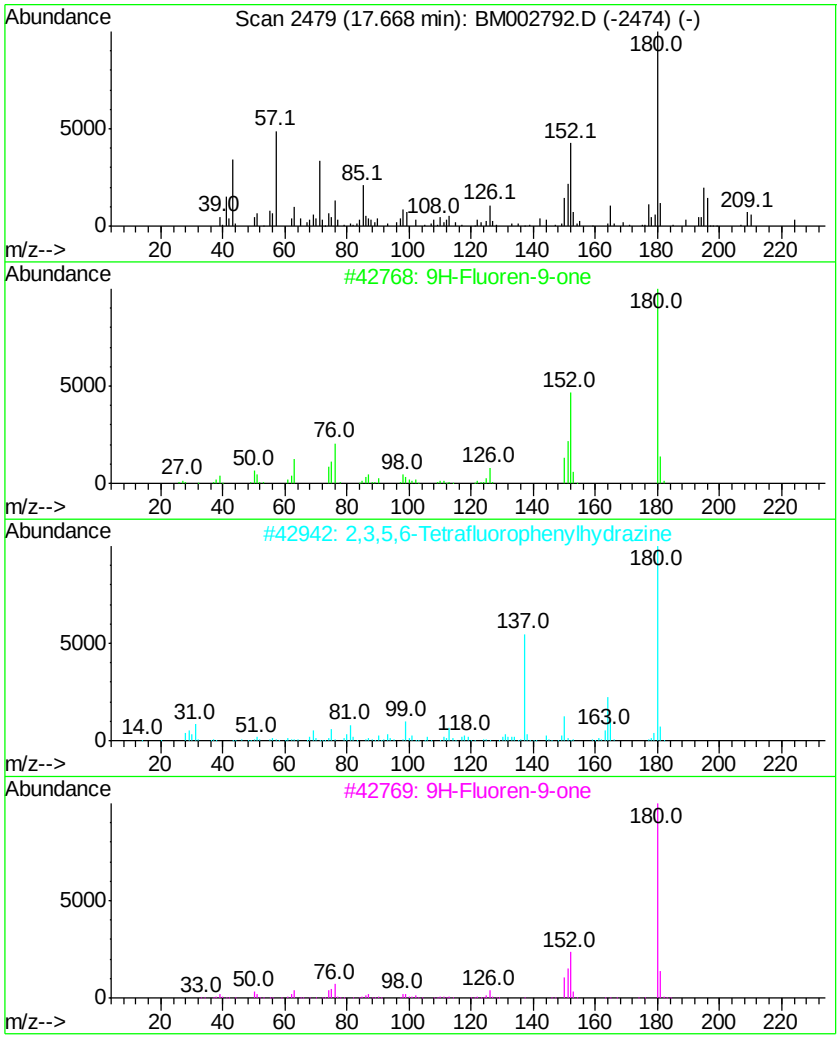
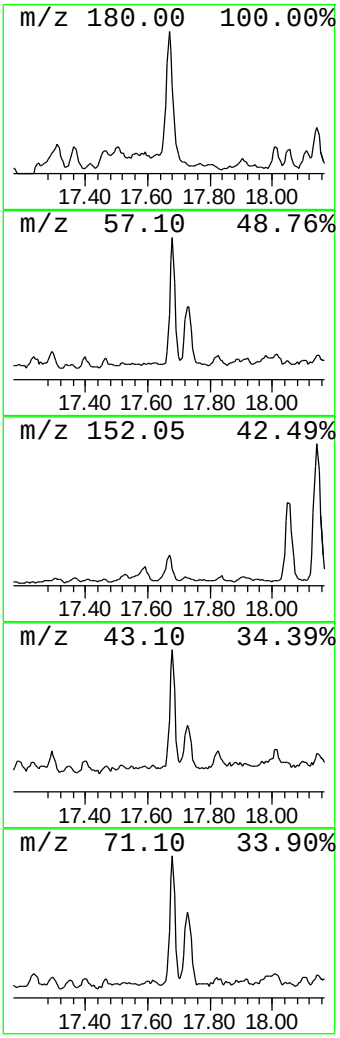
Peak Number 12 unknown-01 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.67	3.94 ng/ul	140186	Phenanthrene-d10	18.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	42
2	2,3,5,6-Tetrafluorophenylhydrazine	180	C6H4F4N2	000653-11-2	30
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	27
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	25
5	Tetradecane	198	C14H30	000629-59-4	25





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Sample : G3798-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G67

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Quant Title : SVOA CALIBRATION

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

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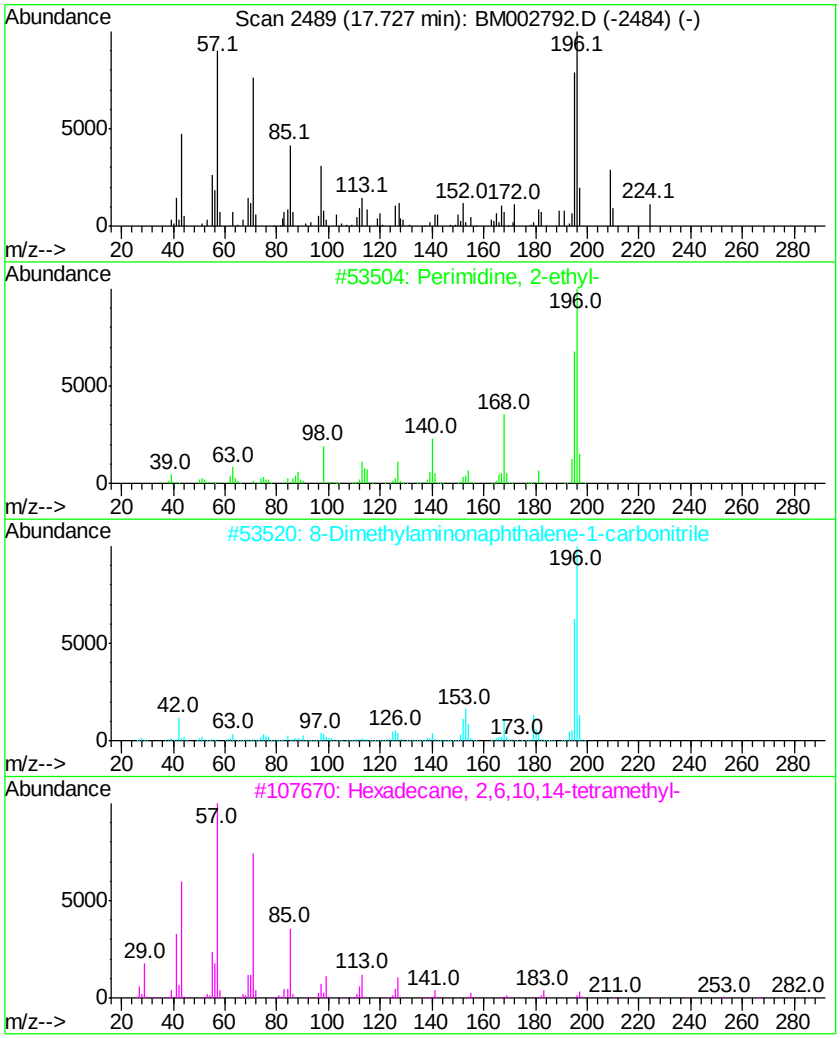
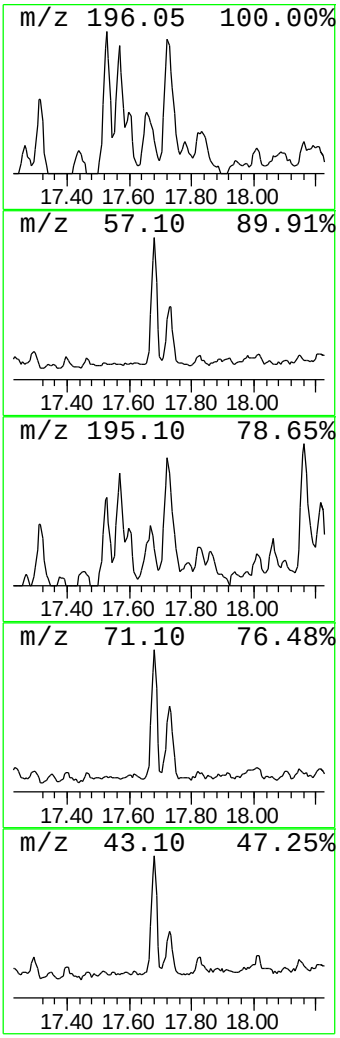
Peak Number 13 unknown-02 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.73	2.61 ng/ul	92688	Phenanthrene-d10	18.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	41
2	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	38
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	25
4	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	25
5	Tetratriacontane	479	C34H70	014167-59-0	22





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Sample : G3798-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G67

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

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

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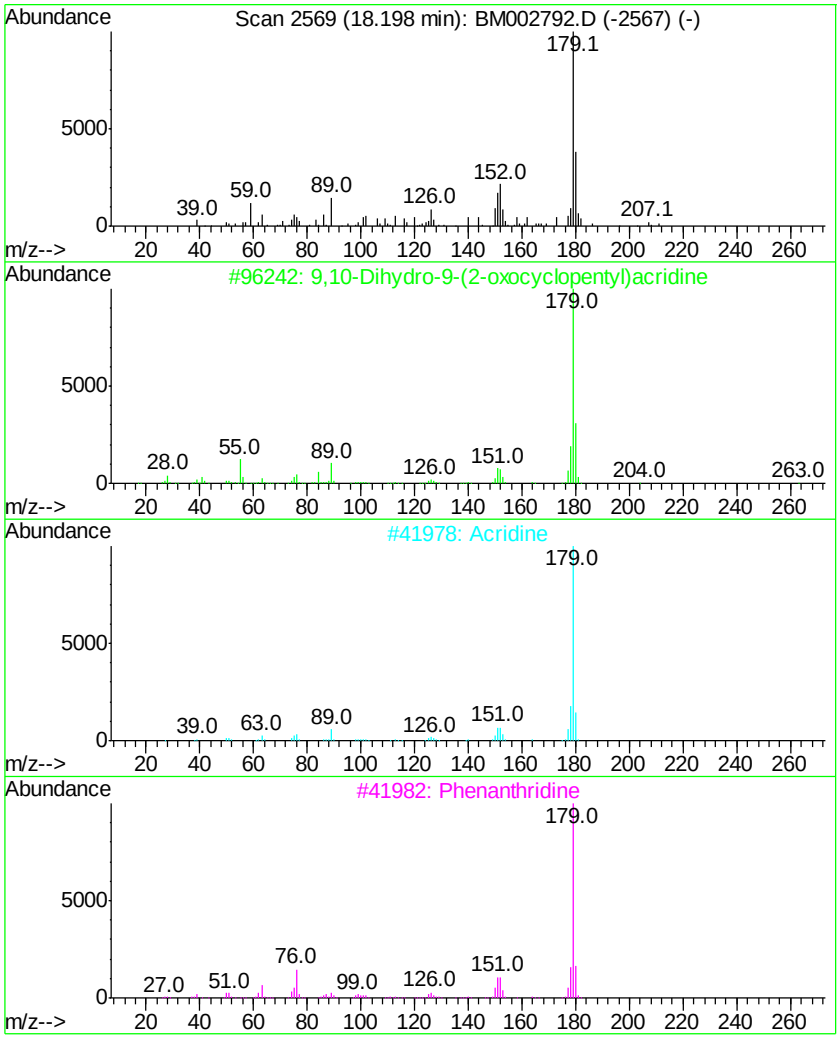
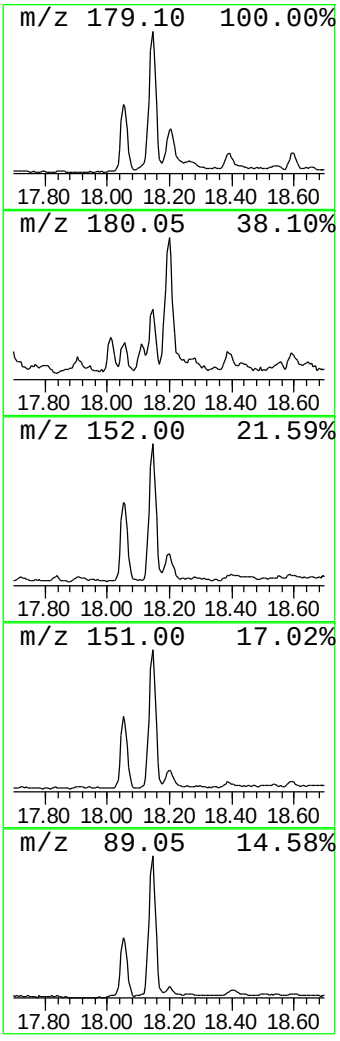
Peak Number 14 9,10-Dihydro-9-(2-oxocyclop... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.20	2.63 ng/ul	93449	Phenanthrene-d10	18.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dihydro-9-(2-oxocyclopentyl...	263	C18H17NO	015539-19-2	72
2	Acridine	179	C13H9N	000260-94-6	64
3	Phenanthridine	179	C13H9N	000229-87-8	58
4	Acridine	179	C13H9N	000260-94-6	58
5	Benzo[f]quinoline	179	C13H9N	000085-02-9	50





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Sample : G3798-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G67

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Quant Title : SVOA CALIBRATION

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

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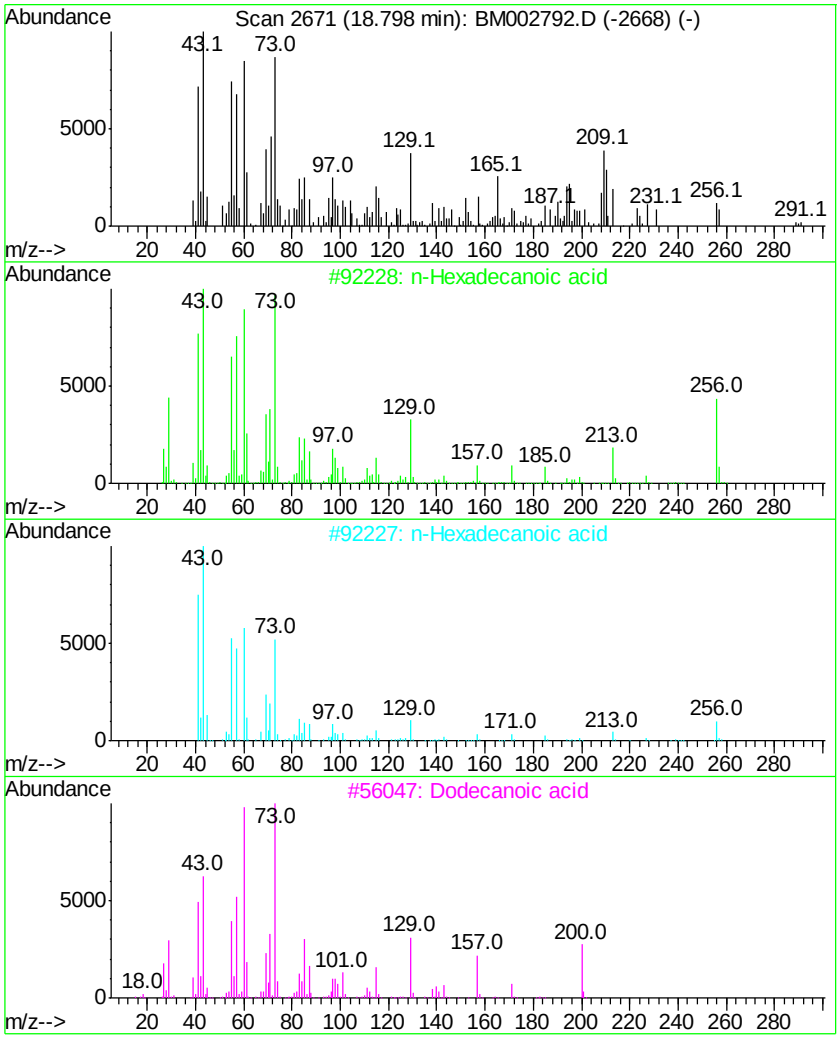
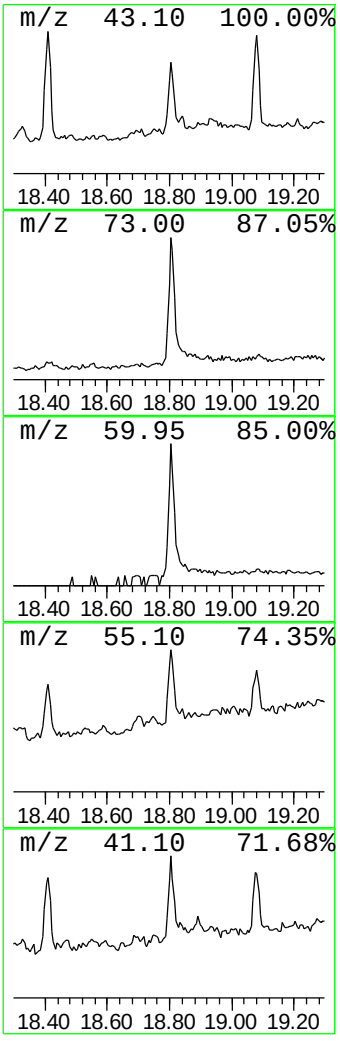
Peak Number 15 n-Hexadecanoic acid Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.80	3.40 ng/ul	120779	Phenanthrene-d10	18.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
3	Dodecanoic acid	200	C12H24O2	000143-07-7	60
4	n-Decanoic acid	172	C10H20O2	000334-48-5	60
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	59





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Sample : G3798-13
Misc :
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Instrument : BNA_M
ClientSampleId : D9G67

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Quant Title : SVOA CALIBRATION

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

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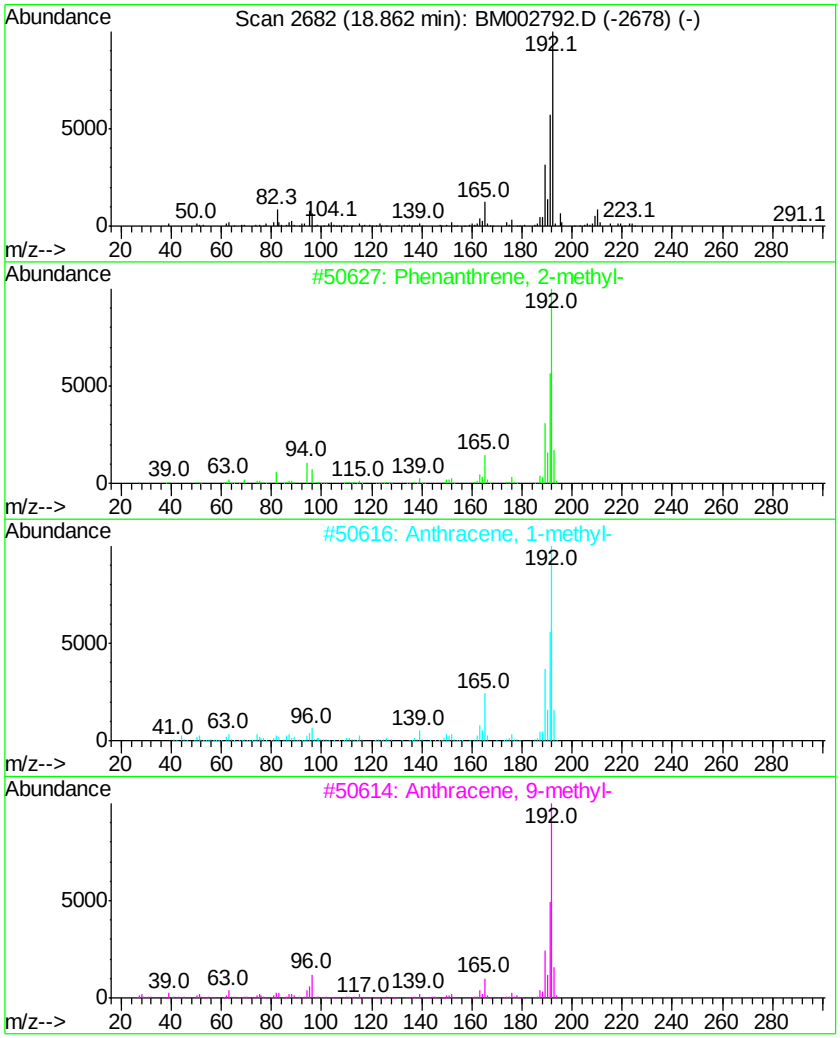
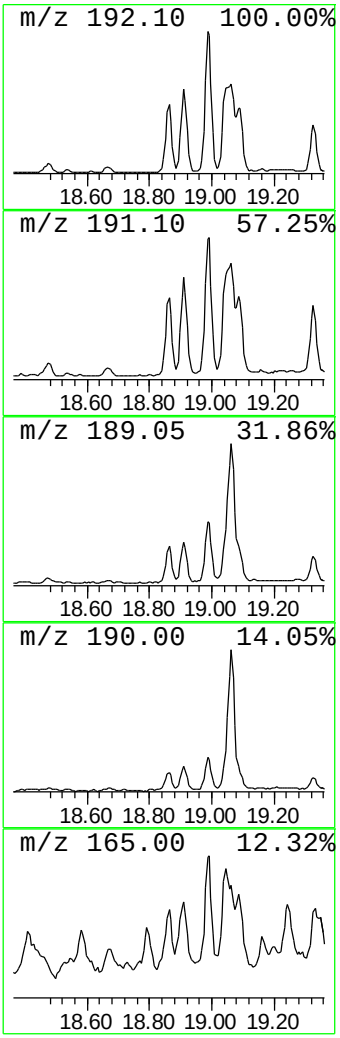
Peak Number 16 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.86	4.25 ng/ul	151129	Phenanthrene-d10	18.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89





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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G67

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Quant Title : SVOA CALIBRATION

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

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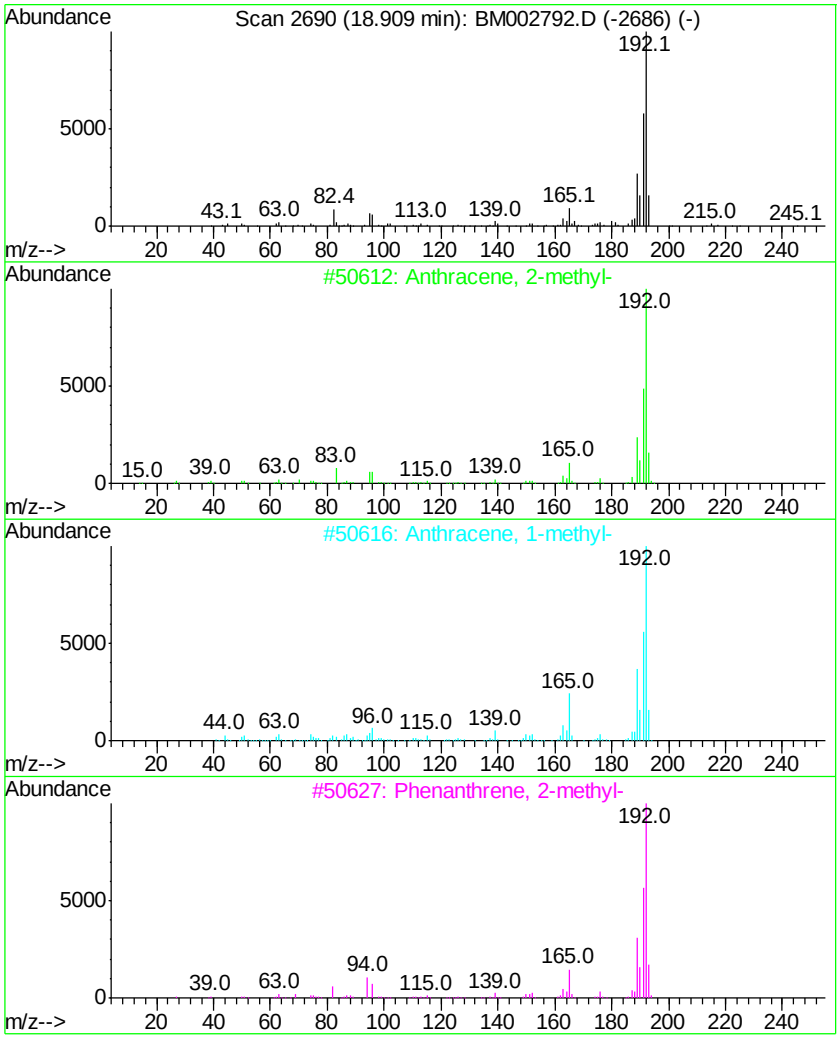
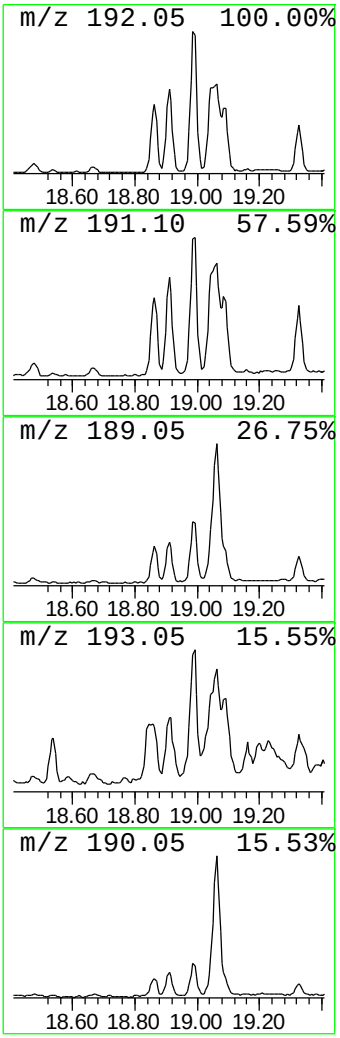
Peak Number 17 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.91	5.38 ng/ul	191417	Phenanthrene-d10	18.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87





Library Search Compound Report

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Sample : G3798-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

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ClientSampleId : D9G67

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Quant Title : SVOA CALIBRATION

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

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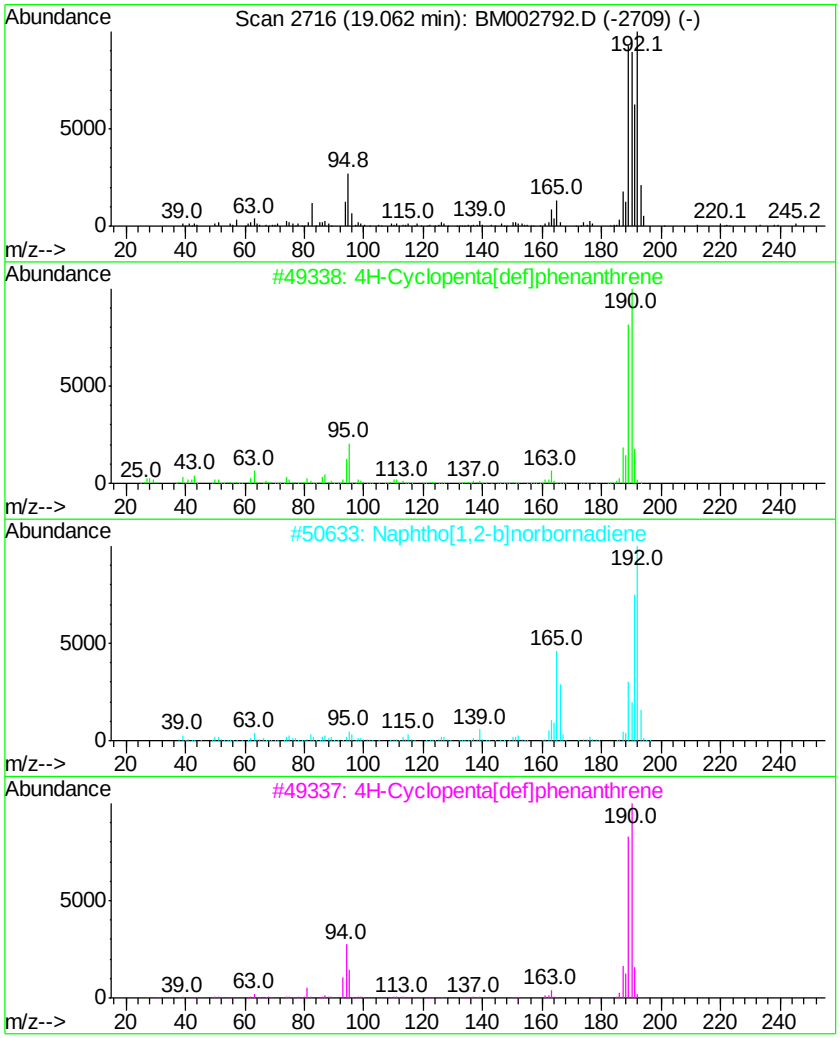
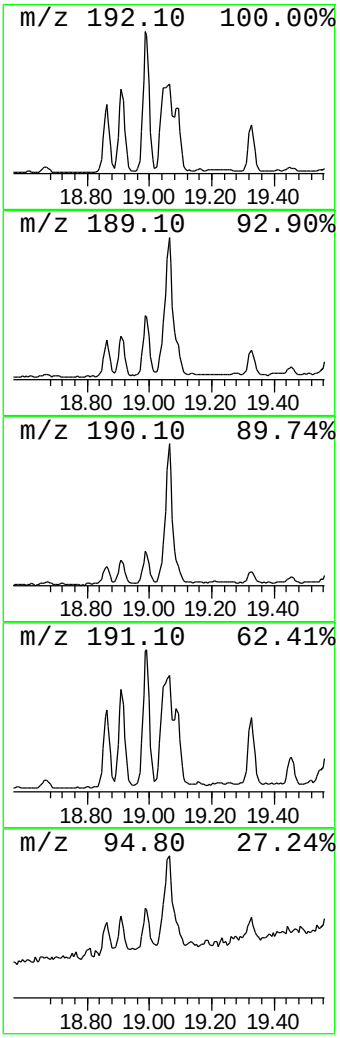
Peak Number 19 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.06	14.62 ng/ul	519954	Phenanthrene-d10	18.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	50
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	46





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Sample : G3798-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G67

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

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

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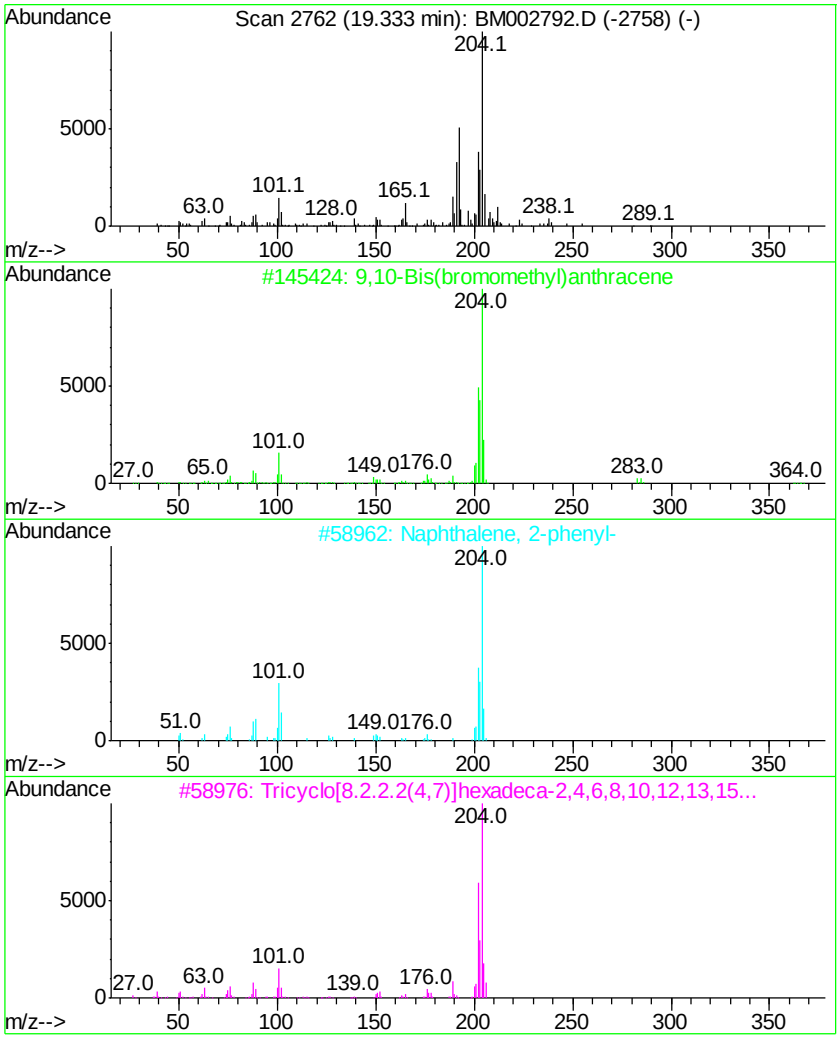
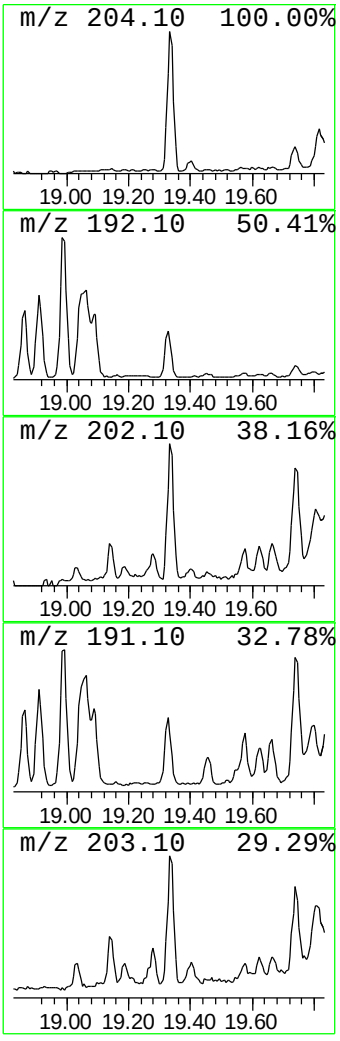
Peak Number 20 9,10-Bis(bromomethyl)anthra... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.33	5.22 ng/ul	185669	Phenanthrene-d10	18.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	52
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	52
4	2-Phenylnaphthalene	204	C16H12	035465-71-5	46
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46





Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002792.D
Acq On : 30 Sep 2015 21:23
Operator : UM/IZ
Sample : G3798-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G67

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

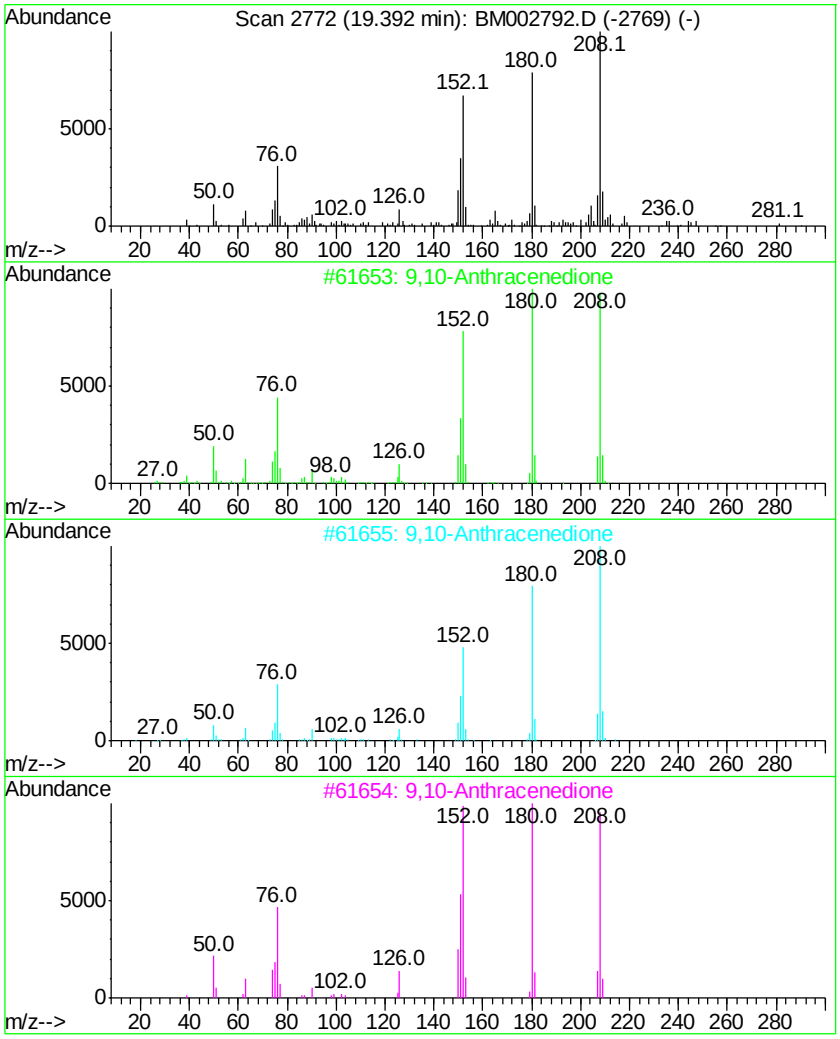
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

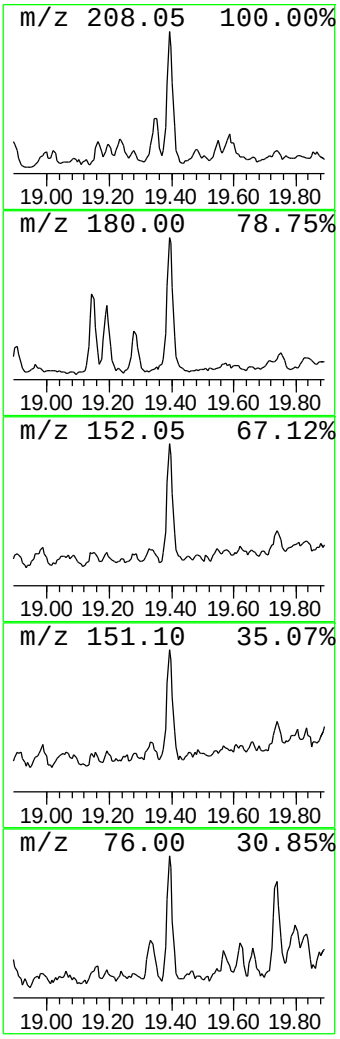
****

Peak Number 21 9,10-Anthracenedione Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.39	2.85 ng/ul	101459	Phenanthrene-d10	18.01

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	95
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	55
5	2(1H)-Pyridone, 4-hydroxy-6-meth...	209	C11H15NO3	007135-84-4	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002792.D
Acq On : 30 Sep 2015 21:23
Operator : UM/IZ
Sample : G3798-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G67

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

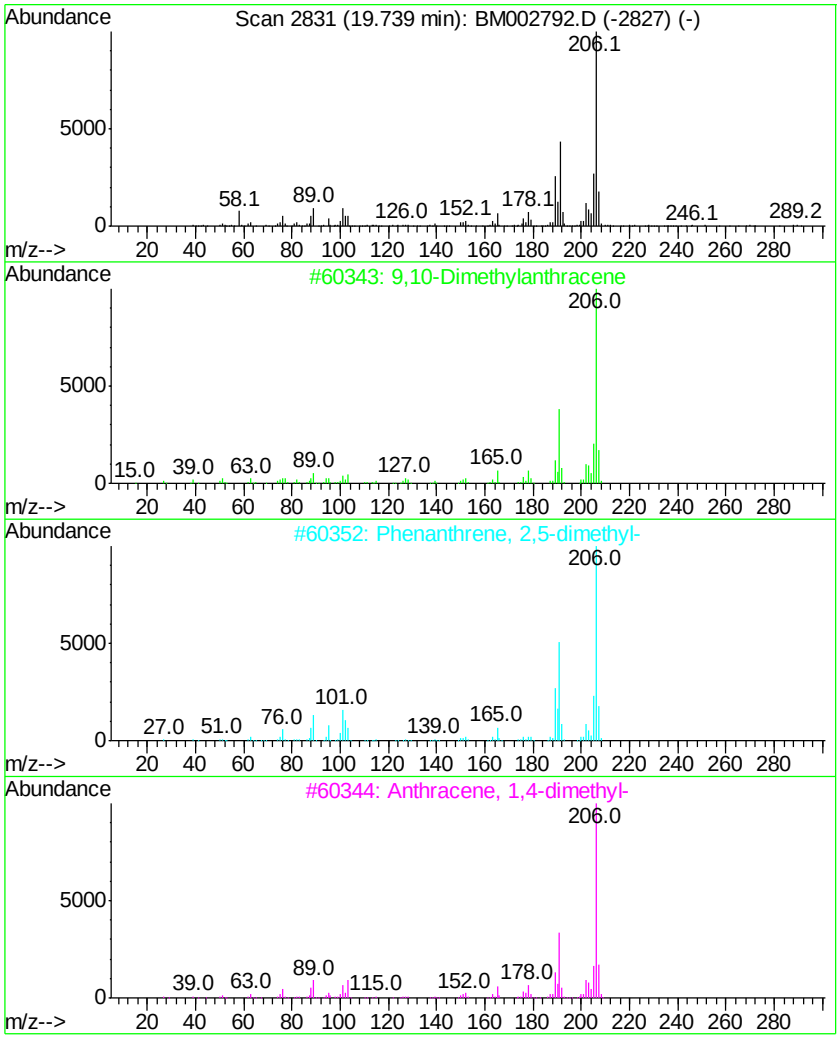
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

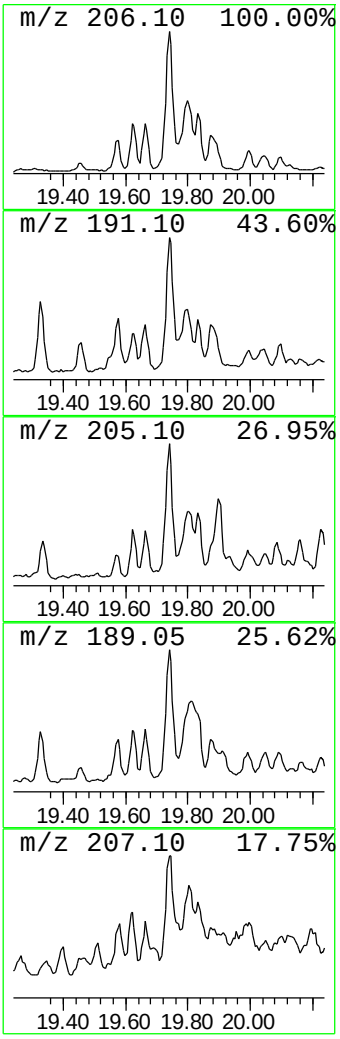
****

Peak Number 22 9,10-Dimethylanthracene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.74	8.85 ng/ul	314575	Phenanthrene-d10	18.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





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Acq On : 30 Sep 2015 21:23
Operator : UM/IZ
Sample : G3798-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G67

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

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

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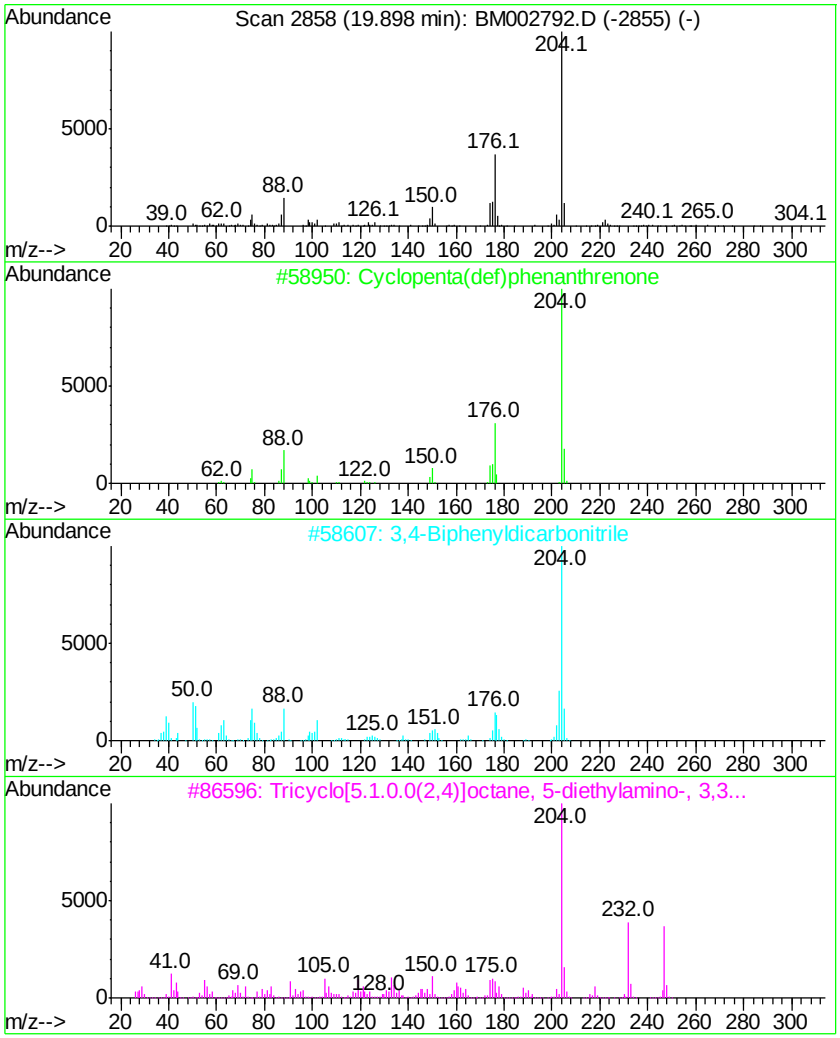
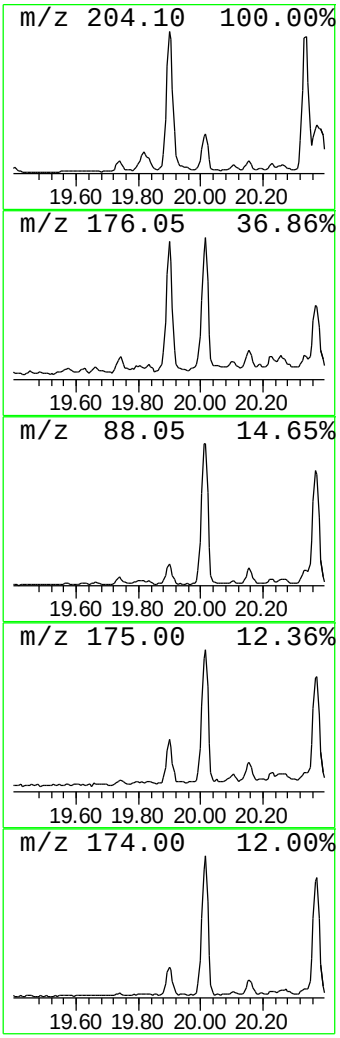
Peak Number 23 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.90	5.70 ng/ul	202786	Phenanthrene-d10	18.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	87
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	59
3	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	45
4	2,5,5,8a-Tetramethyl-6,7,8,8a-te...	204	C14H20O	124957-09-1	43
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	42





Library Search Compound Report

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Data File : BM002792.D
Acq On : 30 Sep 2015 21:23
Operator : UM/IZ
Sample : G3798-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G67

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

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

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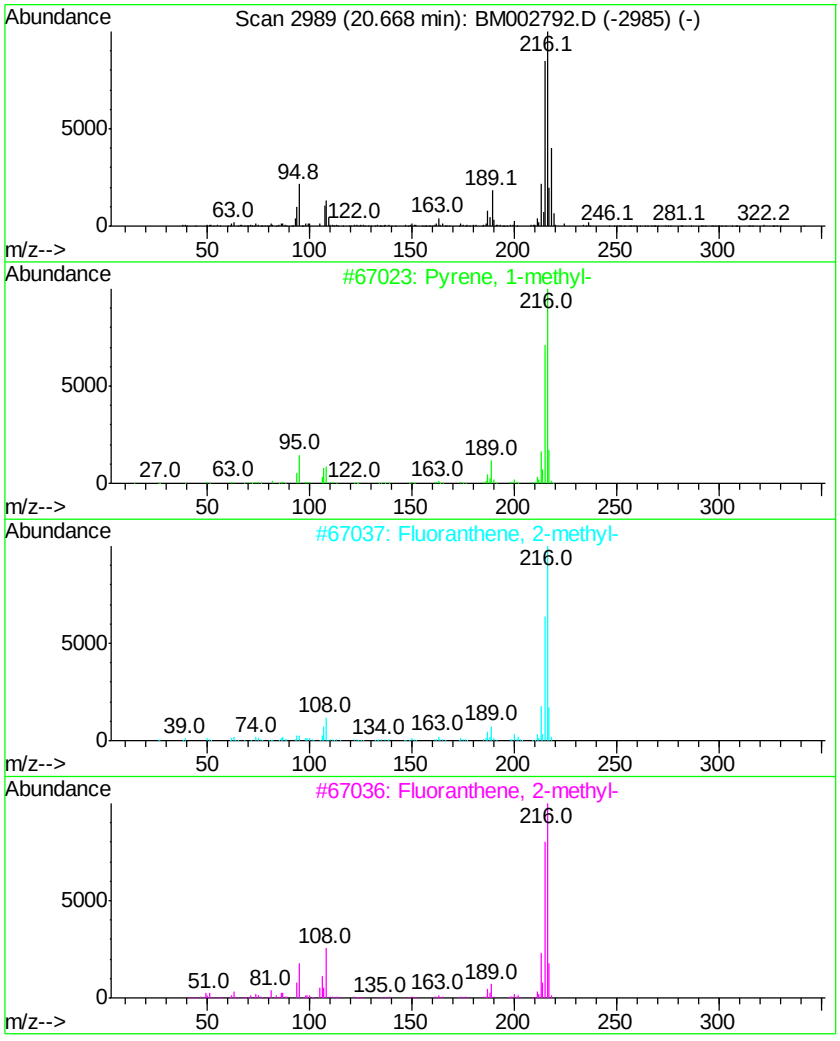
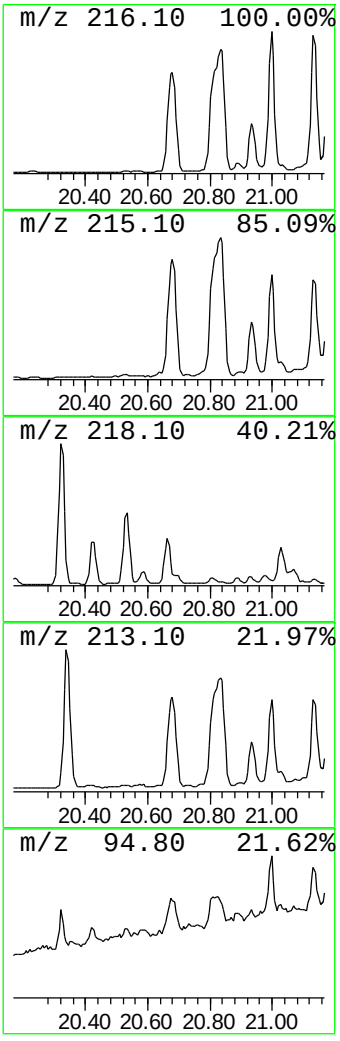
Peak Number 24 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.67	3.16 ng/ul	619234	Chrysene-d12	22.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	89





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Data File : BM002792.D
Acq On : 30 Sep 2015 21:23
Operator : UM/IZ
Sample : G3798-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G67

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

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

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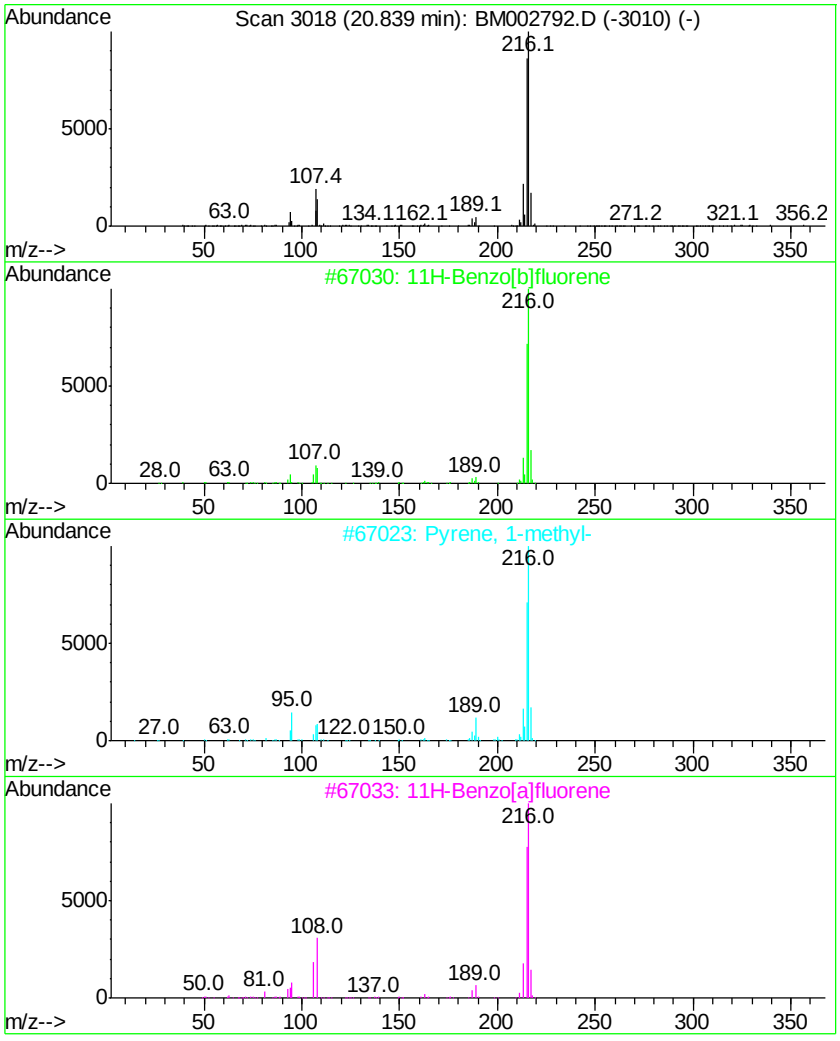
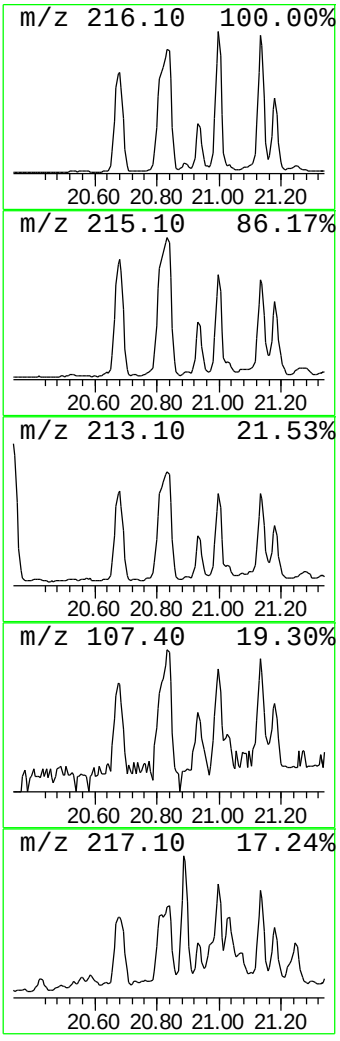
Peak Number 25 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.84	4.40 ng/ul	863667	Chrysene-d12	22.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76





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Data File : BM002792.D
Acq On : 30 Sep 2015 21:23
Operator : UM/IZ
Sample : G3798-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G67

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

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

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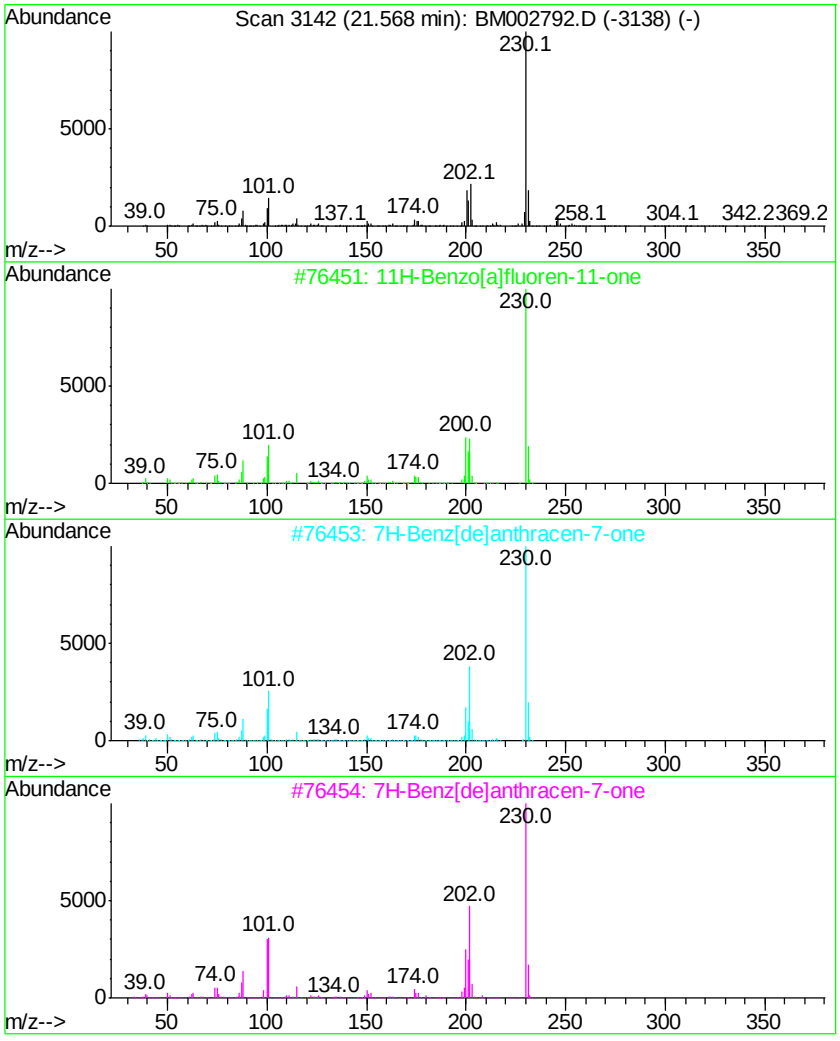
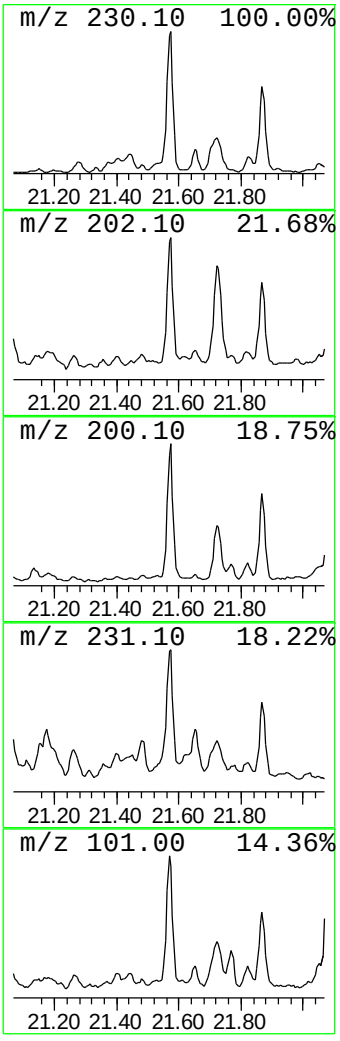
Peak Number 26 11H-Benzo[a]fluoren-11-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.57	3.95 ng/ul	775352	Chrysene-d12	22.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
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	90
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81





Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002792.D
Acq On : 30 Sep 2015 21:23
Operator : UM/IZ
Sample : G3798-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G67

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

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

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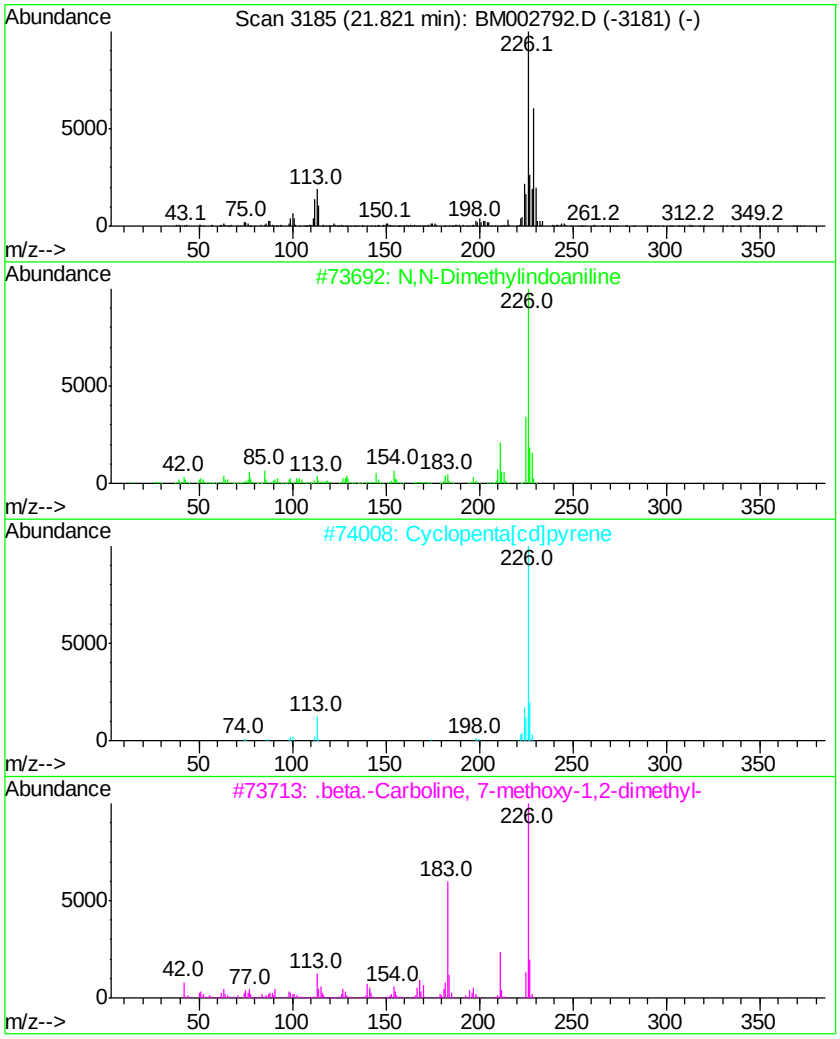
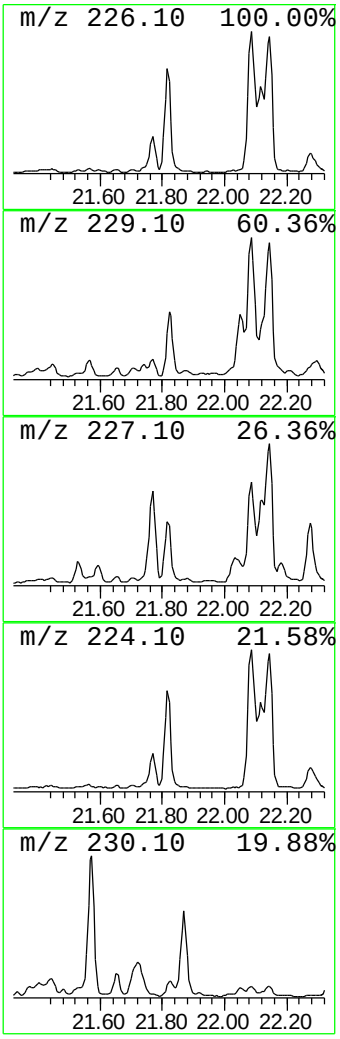
Peak Number 27 unknown-03 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.82	3.11 ng/ul	610263	Chrysene-d12	22.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N,N-Dimethylindoaniline	226	C14H14N2O	002150-58-5	47
2	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	46
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	43
4	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	35
5	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	27





Data Path : Z:\HPCHEM1\BNA M\DATA\BM092915\
Data File : BM002792.D
Acq On : 30 Sep 2015 21:23
Operator : UM/IZ
Sample : G3798-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G67

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.M
Quant Title : SVOA CALIBRATION

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

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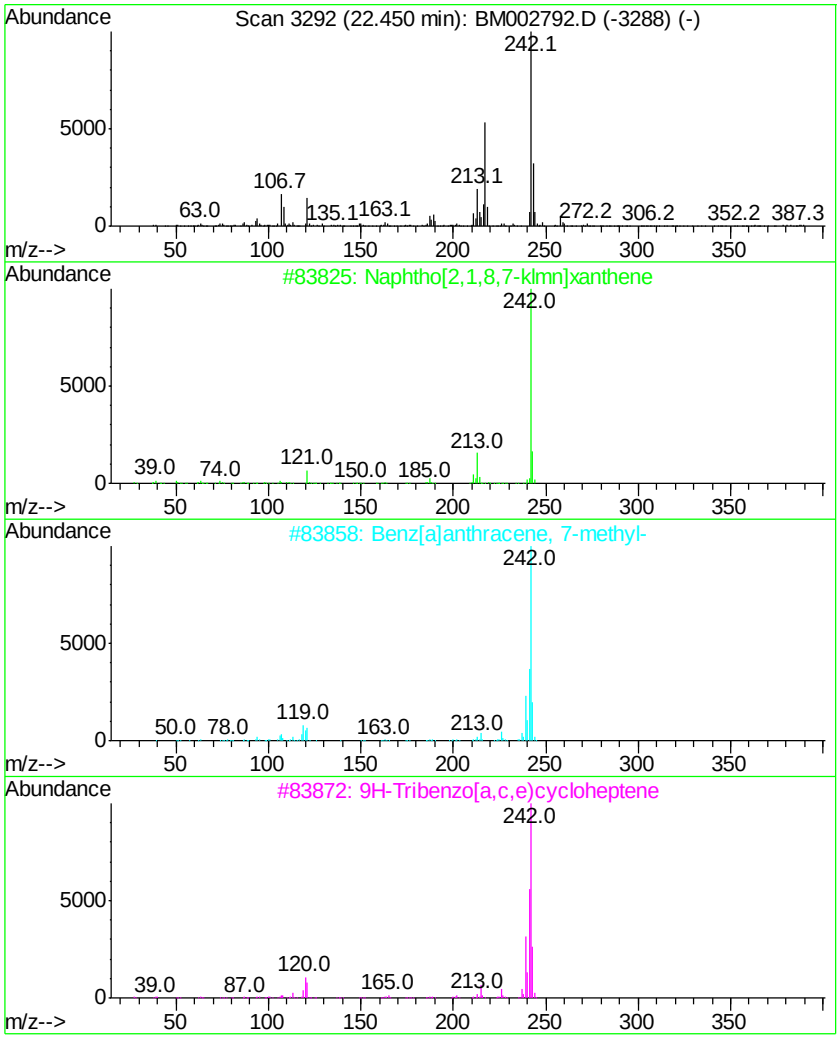
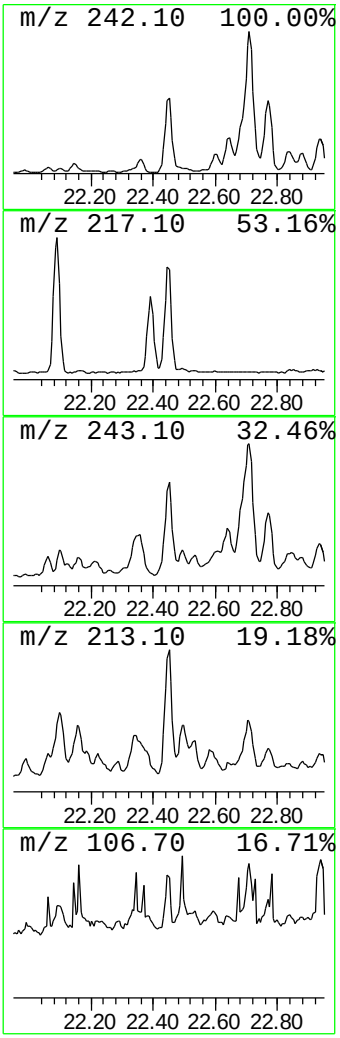
Peak Number 28 unknown-04 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.45	2.20 ng/ul	431304	Chrysene-d12	22.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1,8,7-klmn]xanthene	242	C18H10O	000191-37-7	49
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	38
3	9H-Tribenzo[a,c,e]cycloheptene	242	C19H14	000213-10-5	38
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	38
5	2,2'-(m-Phenylene)dithiophene	242	C14H10S2	104500-00-7	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM092915\
Data File : BM002792.D
Acq On : 30 Sep 2015 21:23
Operator : UM/IZ
Sample : G3798-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : D9G67

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM092915.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-Penten-2-one	3.41	4.0	ng/ul	98303	1	8.70	492699	20.0
Butane, 2-methoxy...	3.46	84.3	ng/ul	2076080	1	8.70	492699	20.0
2-Hexene, 1-metho...	3.51	2.5	ng/ul	60692	1	8.70	492699	20.0
2-Pyrrolidinone	4.38	3.5	ng/ul	86176	1	8.70	492699	20.0
Indene	9.25	2.4	ng/ul	59278	1	8.70	492699	20.0
Benzenamine, 2-me...	11.23	2.0	ng/ul	76515	2	11.56	746590	20.0
(DEL) Alkane: Str...	16.05	2.7	ng/ul	98593	3	15.30	722933	20.0
(DEL) Alkane: Str...	16.92	7.9	ng/ul	280559	4	18.01	711236	20.0
1H-Benzotriazole,...	17.17	2.5	ng/ul	87686	4	18.01	711236	20.0
unknown-01	17.67	3.9	ng/ul	140186	4	18.01	711236	20.0
unknown-02	17.73	2.6	ng/ul	92688	4	18.01	711236	20.0
9,10-Dihydro-9-(2...	18.20	2.6	ng/ul	93449	4	18.01	711236	20.0
n-Hexadecanoic acid	18.80	3.4	ng/ul	120779	4	18.01	711236	20.0
Phenanthrene, 2-m...	18.86	4.3	ng/ul	151129	4	18.01	711236	20.0
Anthracene, 2-met...	18.91	5.4	ng/ul	191417	4	18.01	711236	20.0
4H-Cyclopenta[def...	19.06	14.6	ng/ul	519954	4	18.01	711236	20.0
9,10-Bis(bromomet...	19.33	5.2	ng/ul	185669	4	18.01	711236	20.0
9,10-Anthracenedione	19.39	2.9	ng/ul	101459	4	18.01	711236	20.0
9,10-Dimethylanth...	19.74	8.8	ng/ul	314575	4	18.01	711236	20.0
Cyclopenta(def)ph...	19.90	5.7	ng/ul	202786	4	18.01	711236	20.0
Pyrene, 1-methyl-	20.67	3.2	ng/ul	619234	5	22.10	3924370	20.0
11H-Benzo[b]fluorene	20.84	4.4	ng/ul	863667	5	22.10	3924370	20.0
11H-Benzo[a]fluor...	21.57	4.0	ng/ul	775352	5	22.10	3924370	20.0
unknown-03	21.82	3.1	ng/ul	610263	5	22.10	3924370	20.0
unknown-04	22.45	2.2	ng/ul	431304	5	22.10	3924370	20.0