LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012510.D
Acq On : 28 Oct 2017 06:04
Operator : SJ/JU
Sample : I5719-12 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-24(1.5-3.5)-100517

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-BM102417.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.399	388	393	398	rVB	185744	269116	1.64%	0.142%
2	5.528	409	415	424	rBV	503858	1067638	6.52%	0.564%
3	5.899	472	478	488	rVB3	504106	762242	4.66%	0.402%
4	6.369	549	558	565	rBV4	136689	317855	1.94%	0.168%
5	6.516	574	583	587	rBV3	158684	346178	2.11%	0.183%
6	6.857	632	641	648	rBV2	306524	589276	3.60%	0.311%
7	6.963	655	659	664	rVB	249413	352113	2.15%	0.186%
8	7.034	664	671	678	rVV3	594464	1333784	8.15%	0.704%
9	7.098	678	682	688	rVB	287478	433828	2.65%	0.229%
10	7.198	694	699	705	rVB	353048	553730	3.38%	0.292%
11	7.263	705	710	714	rBV2	188037	288994	1.77%	0.153%
12	7.404	729	734	744	rVB	442913	751594	4.59%	0.397%
13	7.522	744	754	762	rVB2	866039	2056452	12.56%	1.086%
14	7.869	804	813	819	rBV	1888831	3199347	19.55%	1.689%
15	8.004	829	836	842	rBV2	534991	1148410	7.02%	0.606%
16	8.157	855	862	870	rVB6	130769	287116	1.75%	0.152%
17	8.416	900	906	911	rVB2	202122	394776	2.41%	0.208%
18	8.510	917	922	928	rBV3	300569	582685	3.56%	0.308%
19	8.569	928	932	939	rVB	508156	825949	5.05%	0.436%
20	8.975	990	1001	1005	rBV2	380613	755956	4.62%	0.399%
21	9.022	1005	1009	1014	rVV	376773	645493	3.94%	0.341%
22	9.098	1014	1022	1033	rVB	529156	1039521	6.35%	0.549%
23	9.222	1033	1043	1051	rBV7	155641	450794	2.75%	0.238%
24	9.551	1095	1099	1103	rVV2	132815	231777	1.42%	0.122%
25	9.745	1125	1132	1137	rBV2	368077	665118	4.06%	0.351%
26	9.851	1145	1150	1158	rBV5	125052	309250	1.89%	0.163%
27	10.069	1182	1187	1194	rBV3	128664	255869	1.56%	0.135%
28	10.286	1218	1224	1232	rVB	484254	853622	5.22%	0.451%
29	10.363	1232	1237	1243	rBV	136969	215079	1.31%	0.114%
30	10.581	1261	1274	1279	rBV2	121615	342432	2.09%	0.181%
31	10.663	1279	1288	1293	rVV	2283512	4148466	25.35%	2.190%
32	10.710	1293	1296	1304	rVV	476165	786164	4.80%	0.415%
33	10.792	1304	1310	1321	rVB2	245375	548376	3.35%	0.290%
34	11.975	1504	1511	1516	rBV	144120	270675	1.65%	0.143%

LSC Area Percent Report

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Operator : SJ/JU
Sample : I5719-12 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-24(1.5-3.5)-100517

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Title : SVOA CALIBRATION

35	12.322	1564	1570	1577	rVB	300358	519641	3.17%	0.274%
36	12.539	1602	1607	1614	rVV	180752	281489	1.72%	0.149%
37	13.333	1737	1742	1748	rVB	153013	256720	1.57%	0.136%
38	13.533	1771	1776	1786	rVB3	111845	235394	1.44%	0.124%
39	13.663	1792	1798	1806	rBV2	108502	288259	1.76%	0.152%
40	13.822	1820	1825	1830	rBV	183274	304640	1.86%	0.161%
41	13.904	1835	1839	1844	rVV	773086	1095953	6.70%	0.579%
42	13.951	1844	1847	1851	rVB	402295	508070	3.10%	0.268%
43	14.192	1882	1888	1899	rBV	912122	1408485	8.61%	0.744%
44	14.498	1931	1940	1946	rBV2	3104657	4794065	29.29%	2.531%
45	14.563	1946	1951	1959	rVB	534326	823454	5.03%	0.435%
46	14.698	1969	1974	1985	rVB2	294440	581151	3.55%	0.307%
47	14.898	2003	2008	2014	rVB	645214	955277	5.84%	0.504%
48	15.492	2104	2109	2114	rVB	1095249	1485188	9.07%	0.784%
49	15.545	2114	2118	2124	rBV	761174	1011671	6.18%	0.534%
50	15.610	2125	2129	2136	rBV3	145491	235406	1.44%	0.124%
51	15.851	2164	2170	2177	rVB2	879600	1464203	8.95%	0.773%
52	15.986	2188	2193	2201	rVB	232546	493164	3.01%	0.260%
53	16.239	2228	2236	2242	rBV2	216191	466780	2.85%	0.246%
54	16.551	2286	2289	2293	rVB2	155369	210967	1.29%	0.111%
55	16.898	2344	2348	2355	rVB2	226804	345133	2.11%	0.182%
56	17.063	2371	2376	2384	rVB	599388	922756	5.64%	0.487%
57	17.245	2401	2407	2410	rBV2	3640693	5519084	33.72%	2.914%
58	17.286	2410	2414	2419	rVV	8734407	11758285	71.84%	6.208%
59	17.339	2419	2423	2426	rVV2	1250685	1908363	11.66%	1.008%
60	17.374	2426	2429	2434	rVV	2195213	2835493	17.32%	1.497%
61	17.427	2435	2438	2444	rVV3	157425	253567	1.55%	0.134%
62	17.639	2470	2474	2479	rBV	507094	698291	4.27%	0.369%
63	17.821	2501	2505	2508	rBV	179872	218940	1.34%	0.116%
64	18.115	2550	2555	2559	rBV	1040714	1532762	9.36%	0.809%
65	18.162	2559	2563	2569	rVB	1424854	1972178	12.05%	1.041%
66	18.245	2572	2577	2582	rBV	522206	754209	4.61%	0.398%
67	18.309	2582	2588	2592	rVV2	1249330	2396863	14.64%	1.265%
68	18.345	2592	2594	2600	rVB	690298	847946	5.18%	0.448%
69	18.615	2635	2640	2643	rBV	794996	1064715	6.50%	0.562%
70	18.657	2643	2647	2652	rVB2	362276	504661	3.08%	0.266%
71	18.862	2678	2682	2686	rVB	340181	405487	2.48%	0.214%

LSC Area Percent Report

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Operator : SJ/JU
Sample : I5719-12 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-24(1.5-3.5)-100517

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-BM102417.M
Title : SVOA CALIBRATION

72	18.909	2687	2690	2693	rVV	241443	308103	1.88%	0.163%
73	18.951	2694	2697	2701	rVB	236746	286207	1.75%	0.151%
74	19.033	2706	2711	2715	rBV	642564	1087812	6.65%	0.574%
75	19.168	2730	2734	2742	rBV	504123	887488	5.42%	0.469%
76	19.298	2750	2756	2762	rBV	12391077	15684214	95.82%	8.280%
77	19.356	2763	2766	2769	rVV2	241153	291161	1.78%	0.154%
78	19.392	2769	2772	2777	rVB3	211082	327305	2.00%	0.173%
79	19.539	2793	2797	2800	rBV	424221	553311	3.38%	0.292%
80	19.627	2807	2812	2814	rBV3	3220328	4685202	28.62%	2.474%
81	19.656	2814	2817	2825	rVV	10018994	13924381	85.07%	7.351%
82	19.727	2825	2829	2835	rVB2	516535	836252	5.11%	0.441%
83	19.833	2844	2847	2853	rVB	500887	687011	4.20%	0.363%
84	19.986	2867	2873	2879	rBV2	640188	1669489	10.20%	0.881%
85	20.151	2898	2901	2906	rVB	1332892	1661660	10.15%	0.877%
86	20.251	2914	2918	2922	rVB2	971320	1196931	7.31%	0.632%
87	20.309	2923	2928	2932	rVB2	888556	1400580	8.56%	0.739%
88	20.451	2948	2952	2955	rBV	607950	762949	4.66%	0.403%
89	20.492	2956	2959	2963	rVB	629722	793641	4.85%	0.419%
90	20.898	3025	3028	3035	rVB	612720	853830	5.22%	0.451%
91	21.062	3053	3056	3059	rVB	644184	731984	4.47%	0.386%
92	21.098	3059	3062	3065	rBV	812082	908171	5.55%	0.479%
93	21.403	3109	3114	3119	rBV3	8287984	16367884	100.00%	8.641%
94	21.450	3119	3122	3131	rVB	5758643	7418252	45.32%	3.916%
95	21.568	3139	3142	3149	rBV	740270	1243324	7.60%	0.656%
96	23.027	3384	3390	3395	rBV	4974730	11487814	70.19%	6.065%
97	23.521	3469	3474	3479	rBV	2484344	4339176	26.51%	2.291%
98	23.621	3486	3491	3499	rVB	4254642	7845094	47.93%	4.142%
99	23.721	3502	3508	3513	rBV	3474034	6424474	39.25%	3.392%
100	26.062	3901	3906	3916	rVB2	2393479	6310527	38.55%	3.332%

Sum of corrected areas: 189412612

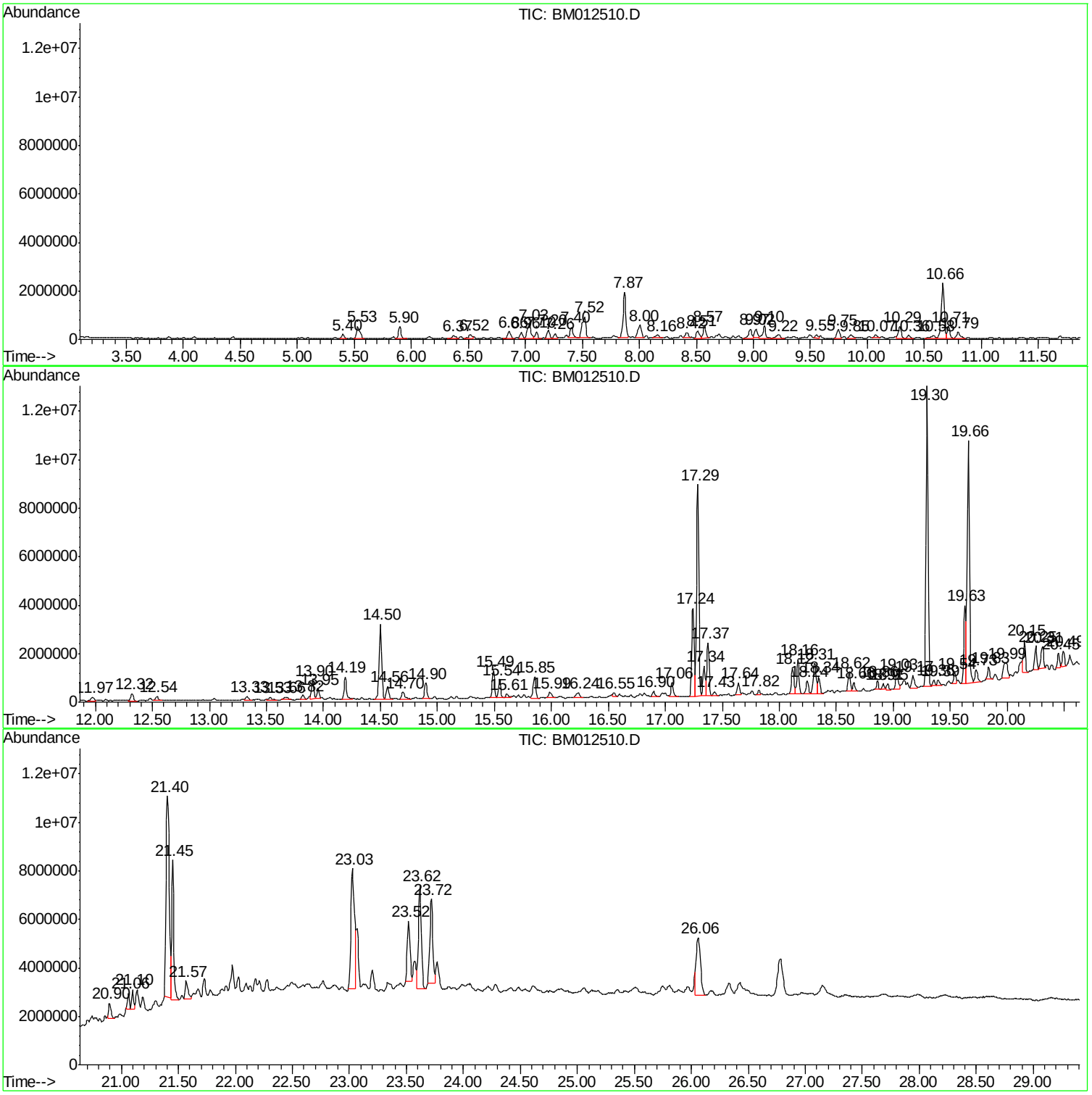
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012510.D
Acq On : 28 Oct 2017 06:04
Operator : SJ/JU
Sample : I5719-12 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-24(1.5-3.5)-100517

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012510.D
Acq On : 28 Oct 2017 06:04
Operator : SJ/JU
Sample : I5719-12 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-24(1.5-3.5)-100517

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

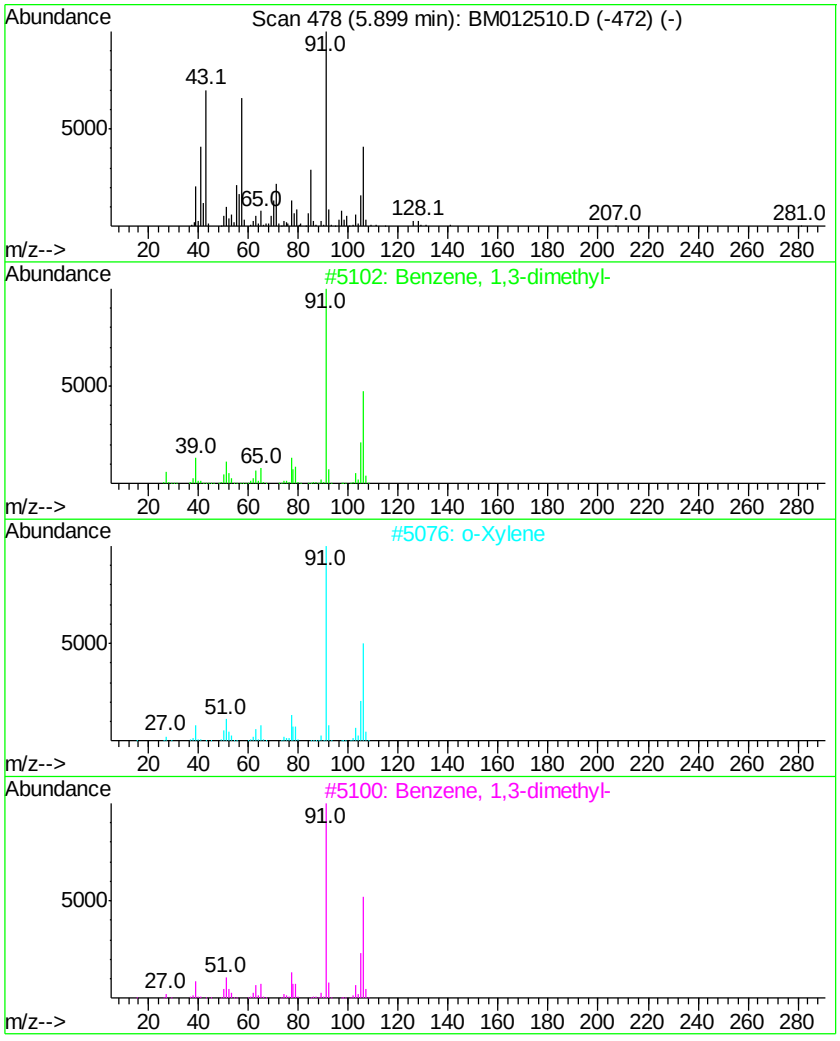
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

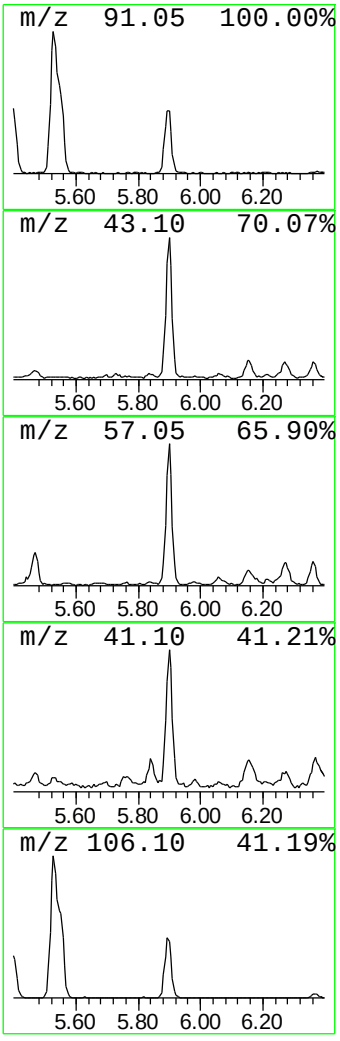
****

Peak Number 2 Benzene, 1,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.90	4.76 ng/ul	762242	1,4-Dichlorobenzene-d4	7.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	91
2	o-Xylene	106	C8H10	000095-47-6	91
3	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	91
4	o-Xylene	106	C8H10	000095-47-6	91
5	p-Xylene	106	C8H10	000106-42-3	91





Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012510.D
Acq On : 28 Oct 2017 06:04
Operator : SJ/JU
Sample : I5719-12 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-24(1.5-3.5)-100517

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

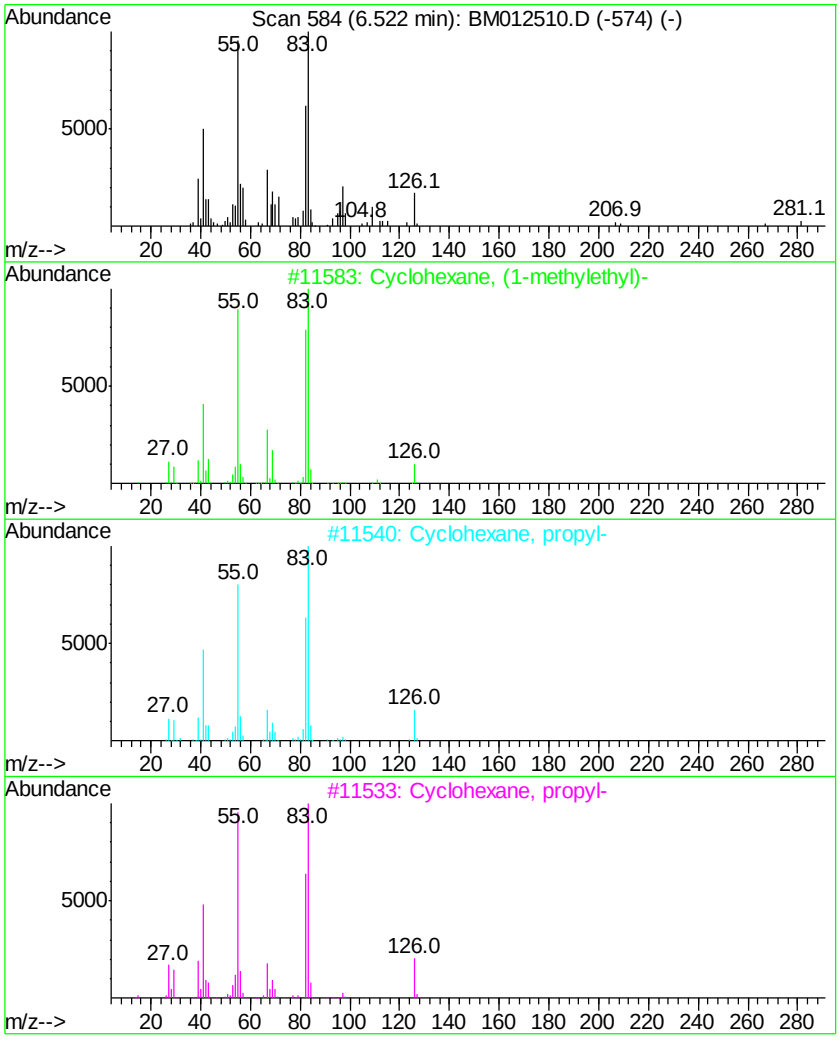
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

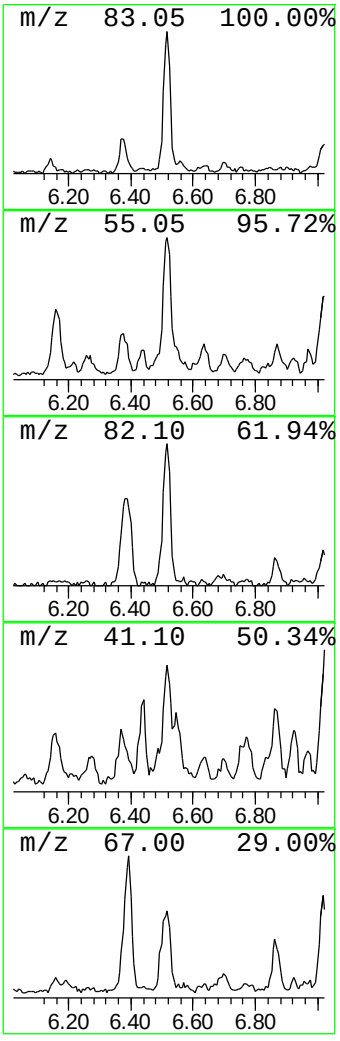
****

Peak Number 3 (DEL) Alkane: Cyclic6.52 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	2.16 ng/ul	346178	1,4-Dichlorobenzene-d4	7.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	87
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	80
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	74
4	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	72
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	72





Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
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Instrument : BNA_M
ClientSampleId : B-24(1.5-3.5)-100517

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

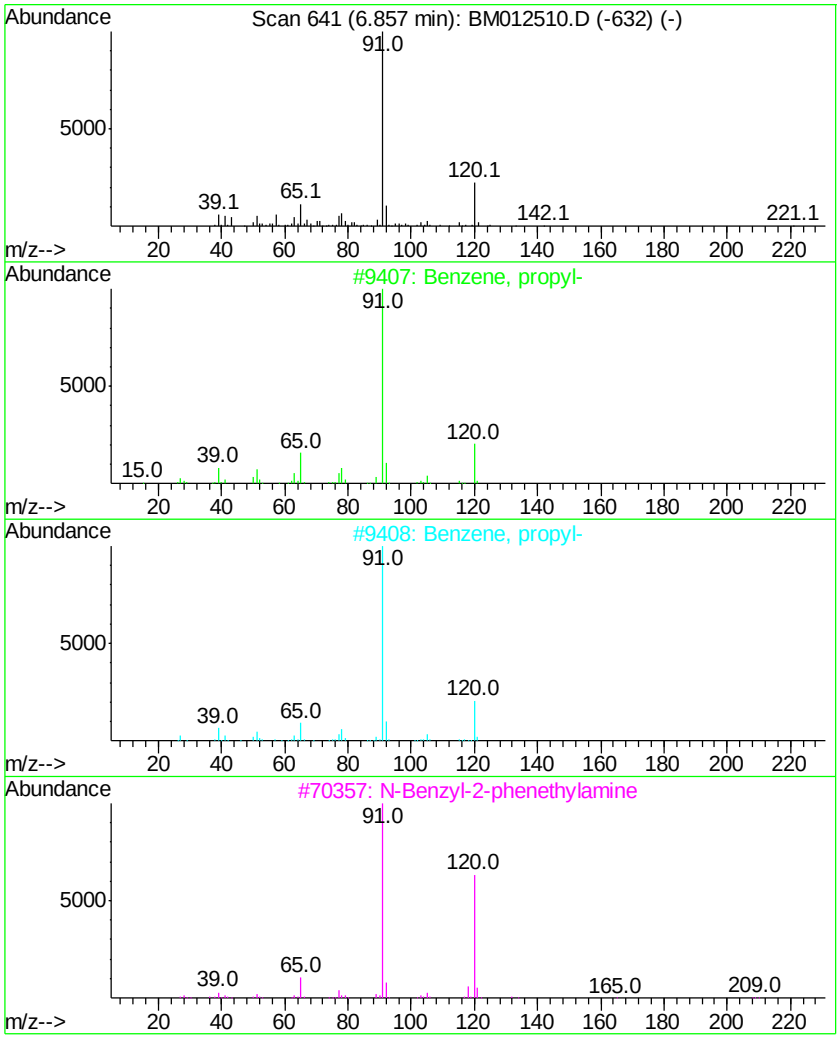
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

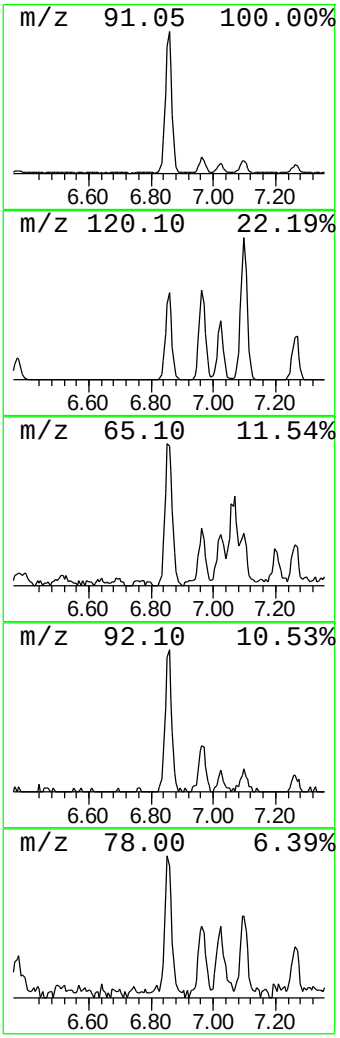
****

Peak Number 4 Benzene, propyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.86	3.68 ng/ul	589276	1,4-Dichlorobenzene-d4	7.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	Benzene, propyl-	120	C9H12	000103-65-1	87
3	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	72
4	1-Benzylamino-2-benzyloxyethane	241	C16H19NO	038336-06-0	72
5	Benzene, propyl-	120	C9H12	000103-65-1	64





Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
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Sample : I5719-12 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-24(1.5-3.5)-100517

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

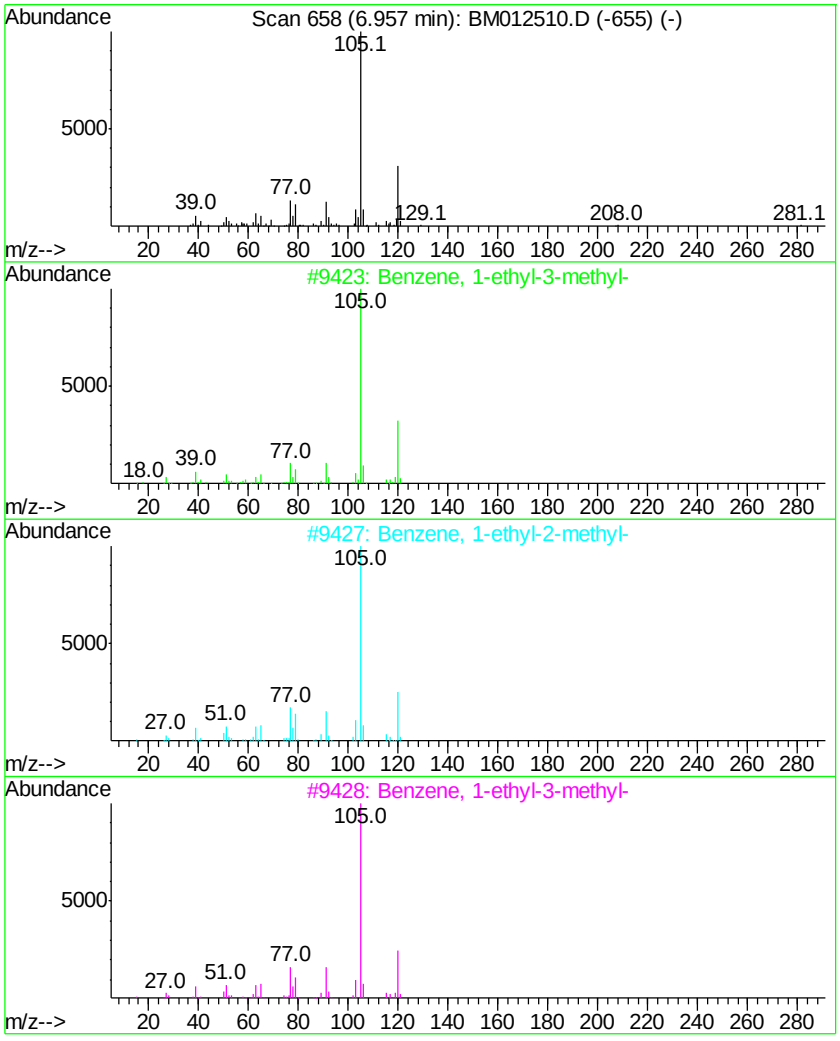
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

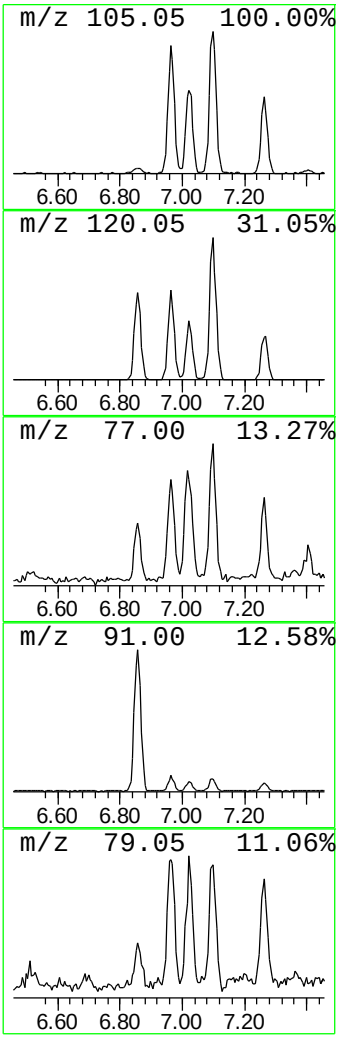
****

Peak Number 5 Benzene, 1-ethyl-3-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.96	2.20 ng/ul	352113	1,4-Dichlorobenzene-d4	7.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	93
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012510.D
Acq On : 28 Oct 2017 06:04
Operator : SJ/JU
Sample : I5719-12 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-24(1.5-3.5)-100517

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

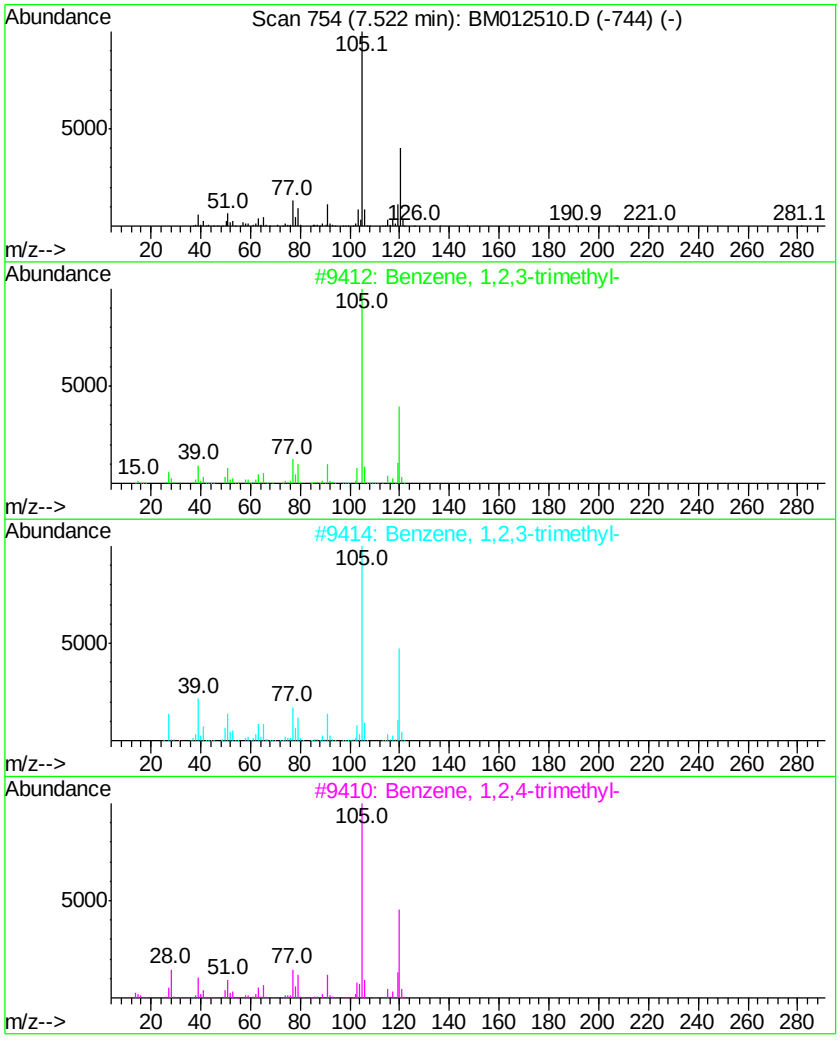
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

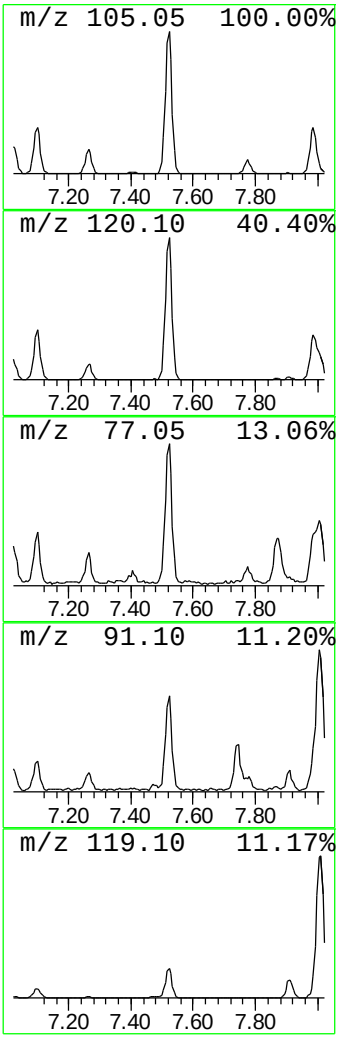
****

Peak Number 6 Benzene, 1,2,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.52	12.86 ng/ul	2056450	1,4-Dichlorobenzene-d4	7.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
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	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





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Acq On : 28 Oct 2017 06:04
Operator : SJ/JU
Sample : I5719-12 5X
Misc :
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Instrument : BNA_M
ClientSampleId : B-24(1.5-3.5)-100517

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

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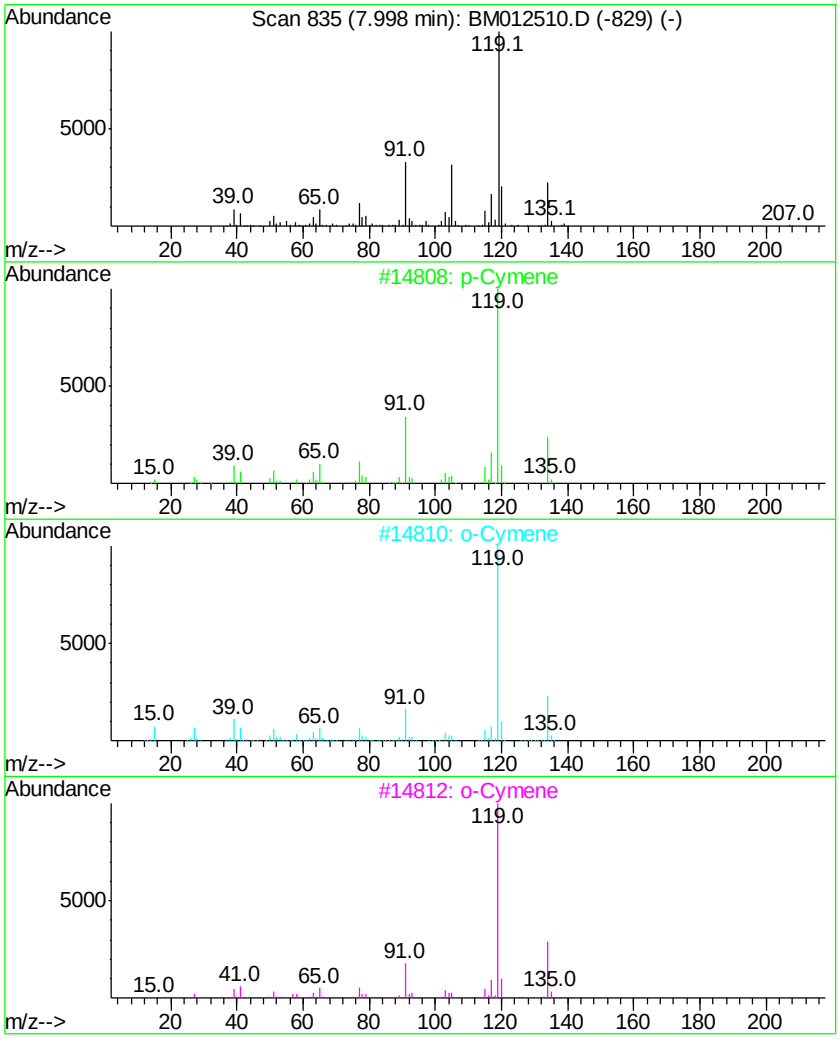
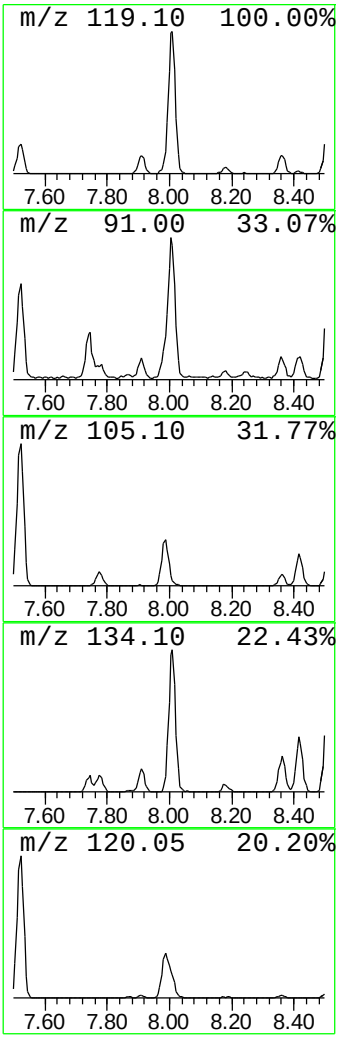
Peak Number 7 p-Cymene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.00	7.18 ng/ul	1148410	1,4-Dichlorobenzene-d4	7.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	95
2	o-Cymene	134	C10H14	000527-84-4	94
3	o-Cymene	134	C10H14	000527-84-4	94
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5	o-Cymene	134	C10H14	000527-84-4	94





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Quant Title : SVOA CALIBRATION

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

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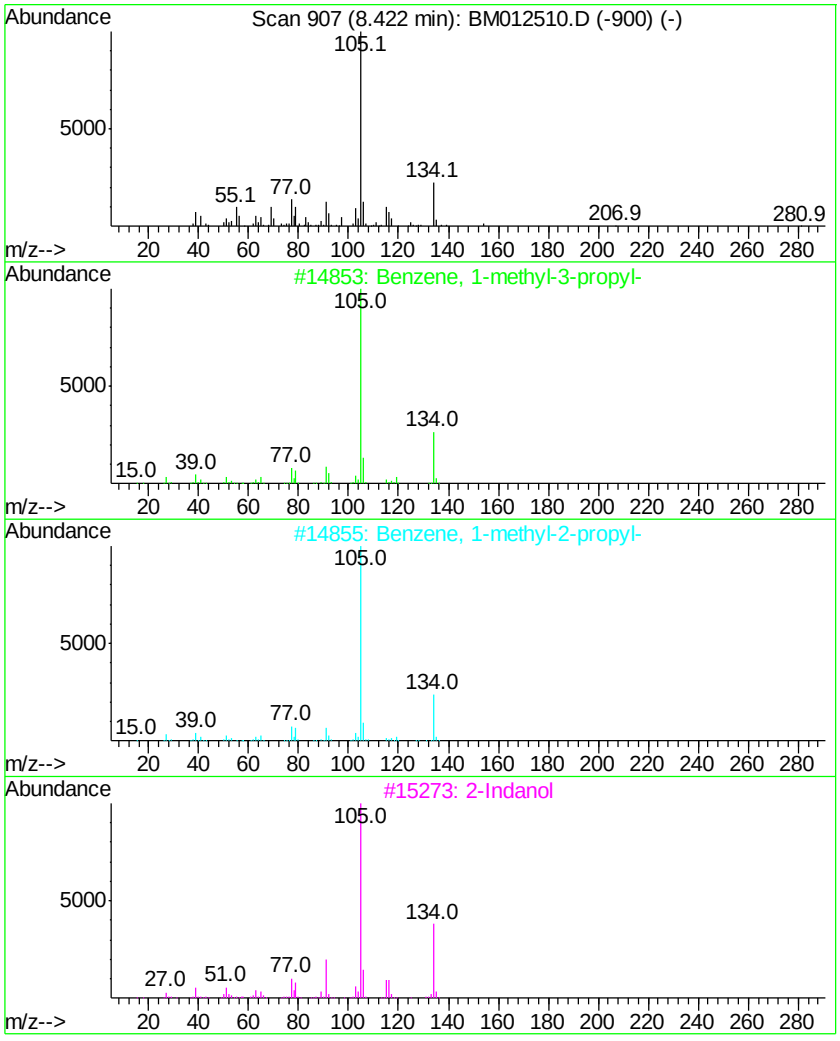
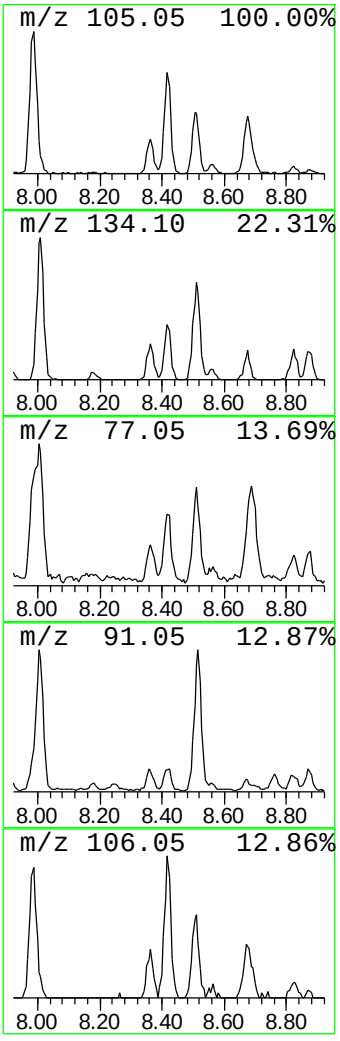
Peak Number 8 Benzene, 1-methyl-3-propyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.42	2.47 ng/ul	394776	1,4-Dichlorobenzene-d4	7.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	87
2	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	87
3	2-Indanol	134	C9H10O	004254-29-9	87
4	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	87
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	83





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Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-24(1.5-3.5)-100517

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

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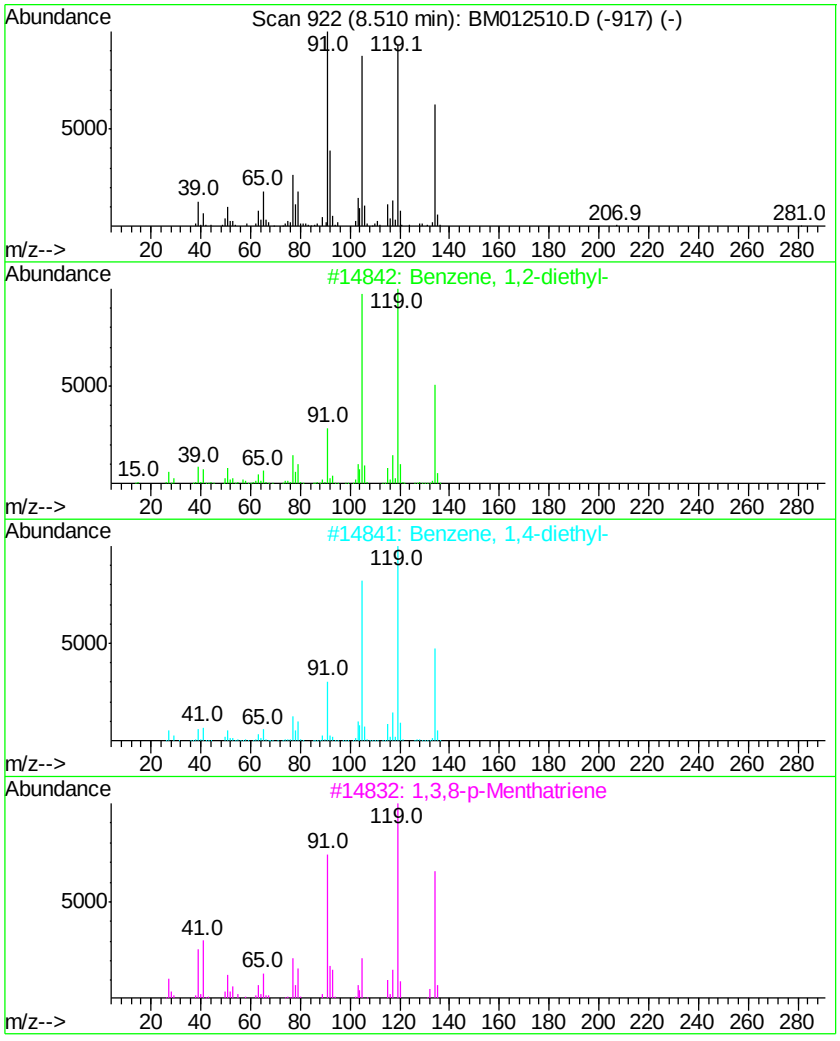
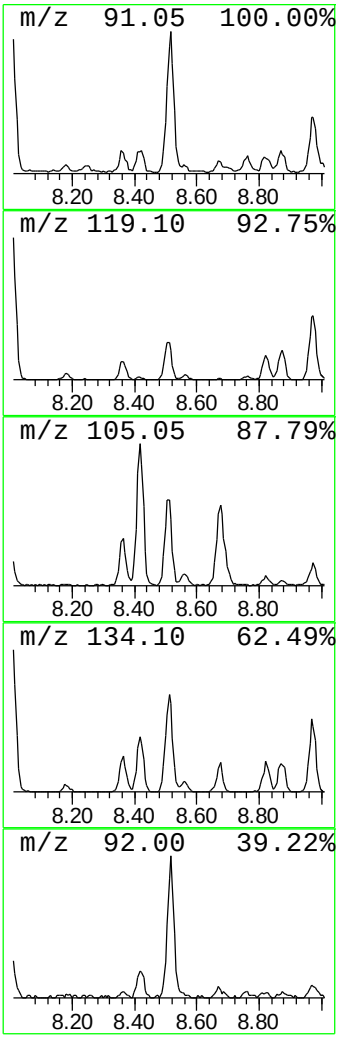
Peak Number 9 Benzene, 1,2-diethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.51	3.64 ng/ul	582685	1,4-Dichlorobenzene-d4	7.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
3	1,3,8-p-Menthatriene	134	C10H14	018368-95-1	87
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	76
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	76





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ClientSampleId : B-24(1.5-3.5)-100517

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

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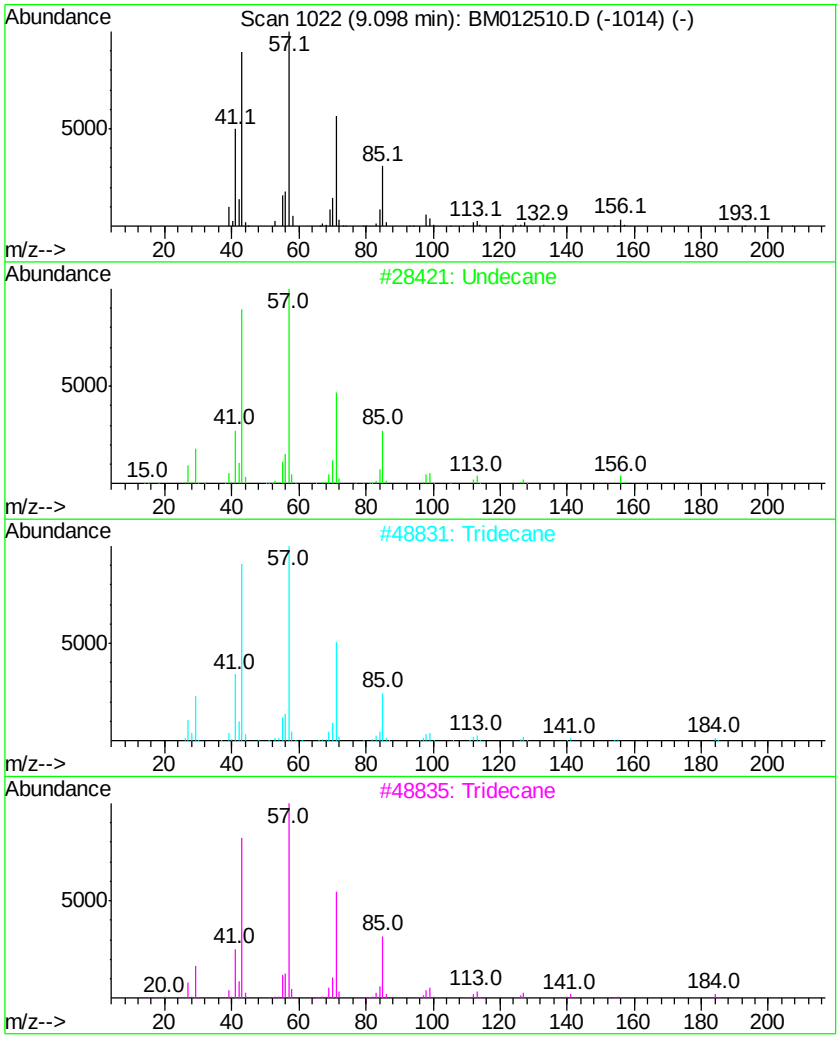
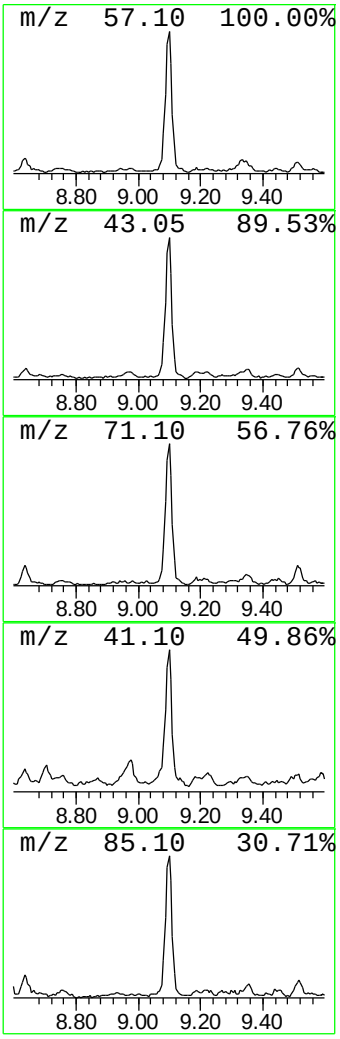
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.10	6.50 ng/ul	1039520	1,4-Dichlorobenzene-d4	7.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	91
2	Tridecane	184	C13H28	000629-50-5	86
3	Tridecane	184	C13H28	000629-50-5	83
4	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	78
5	Undecane	156	C11H24	001120-21-4	76





Library Search Compound Report

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Sample : I5719-12 5X
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ClientSampleId : B-24(1.5-3.5)-100517

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Quant Title : SVOA CALIBRATION

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

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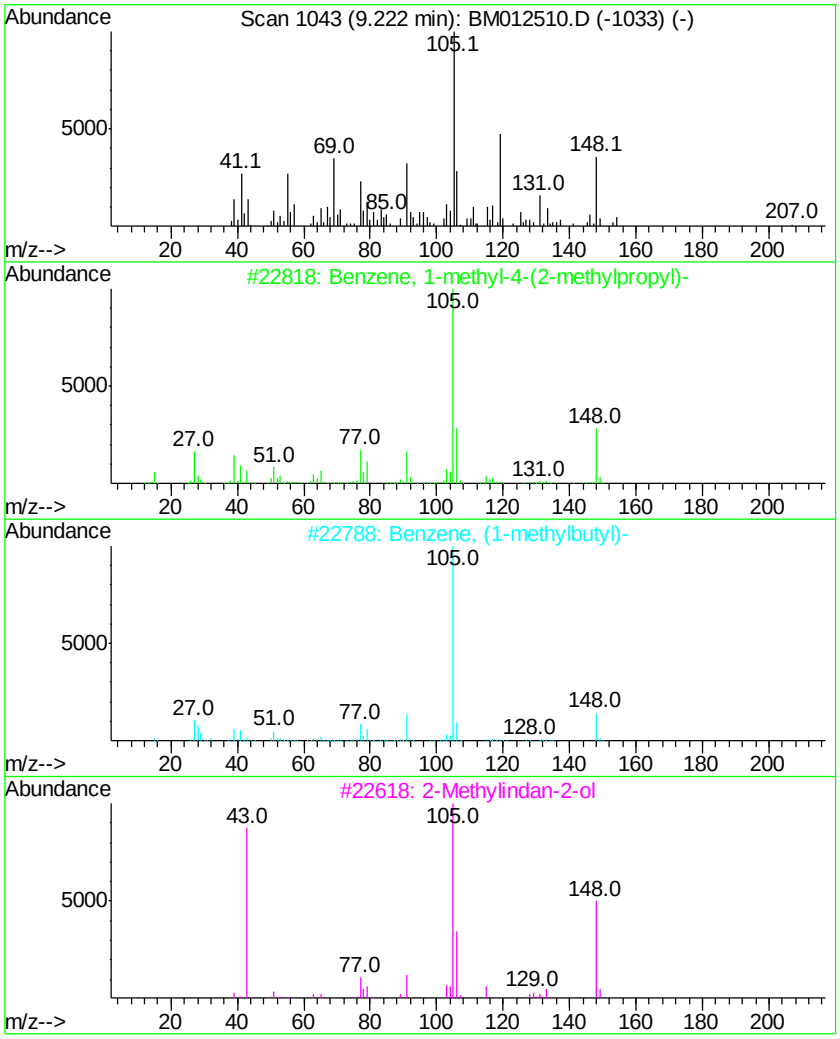
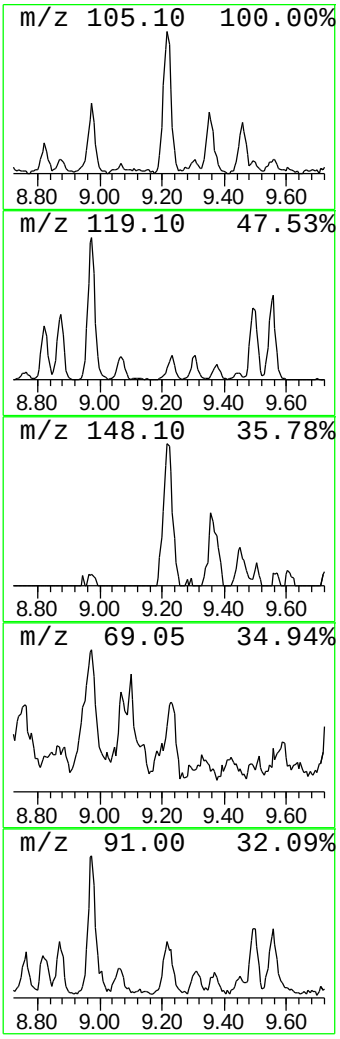
Peak Number 11 Benzene, 1-methyl-4-(2-meth... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.22	2.82 ng/ul	450794	1,4-Dichlorobenzene-d4	7.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(2-methylpro...	148	C11H16	005161-04-6	55
2	Benzene, (1-methylbutyl)-	148	C11H16	002719-52-0	38
3	2-Methylindan-2-ol	148	C10H12O	033223-84-6	35
4	4-Methylphenyl acetone	148	C10H12O	002096-86-8	35
5	2-Butanone, 4-phenyl-	148	C10H12O	002550-26-7	30





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Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-24(1.5-3.5)-100517

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

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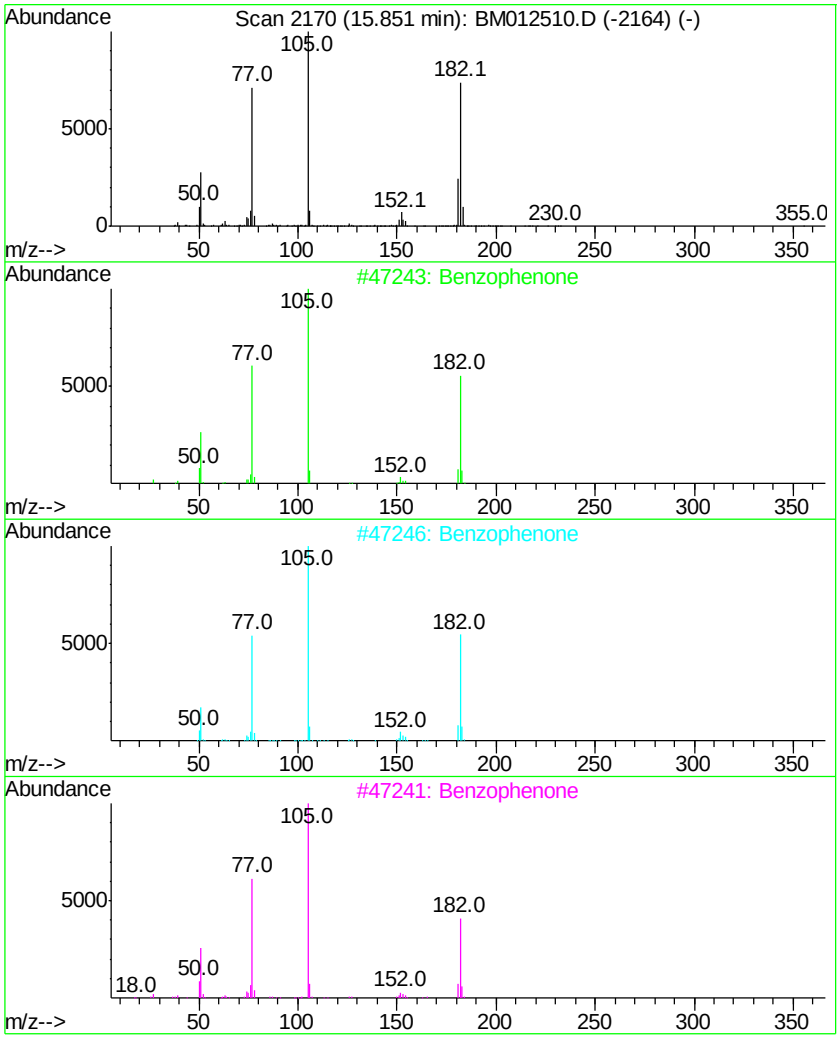
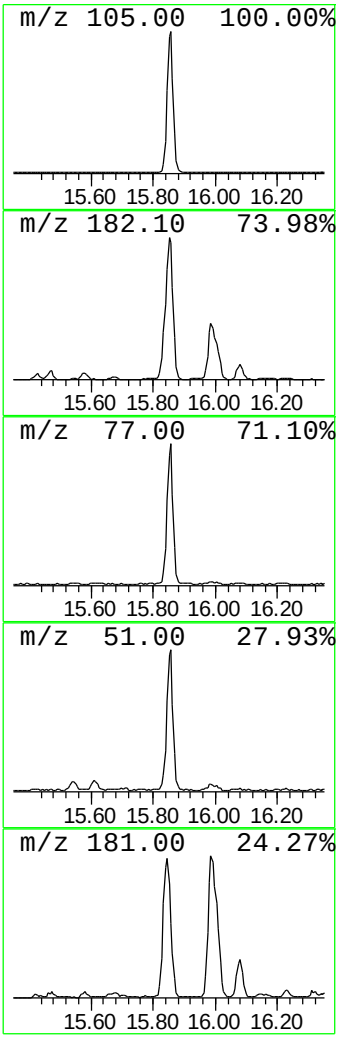
Peak Number 12 Benzophenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.85	6.11 ng/ul	1464200	Acenaphthene-d10	14.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	95
2	Benzophenone	182	C13H10O	000119-61-9	94
3	Benzophenone	182	C13H10O	000119-61-9	91
4	Benzophenone	182	C13H10O	000119-61-9	87
5	Benzophenone	182	C13H10O	000119-61-9	72





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Sample : I5719-12 5X
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Instrument : BNA_M
ClientSampleId : B-24(1.5-3.5)-100517

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Quant Title : SVOA CALIBRATION

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

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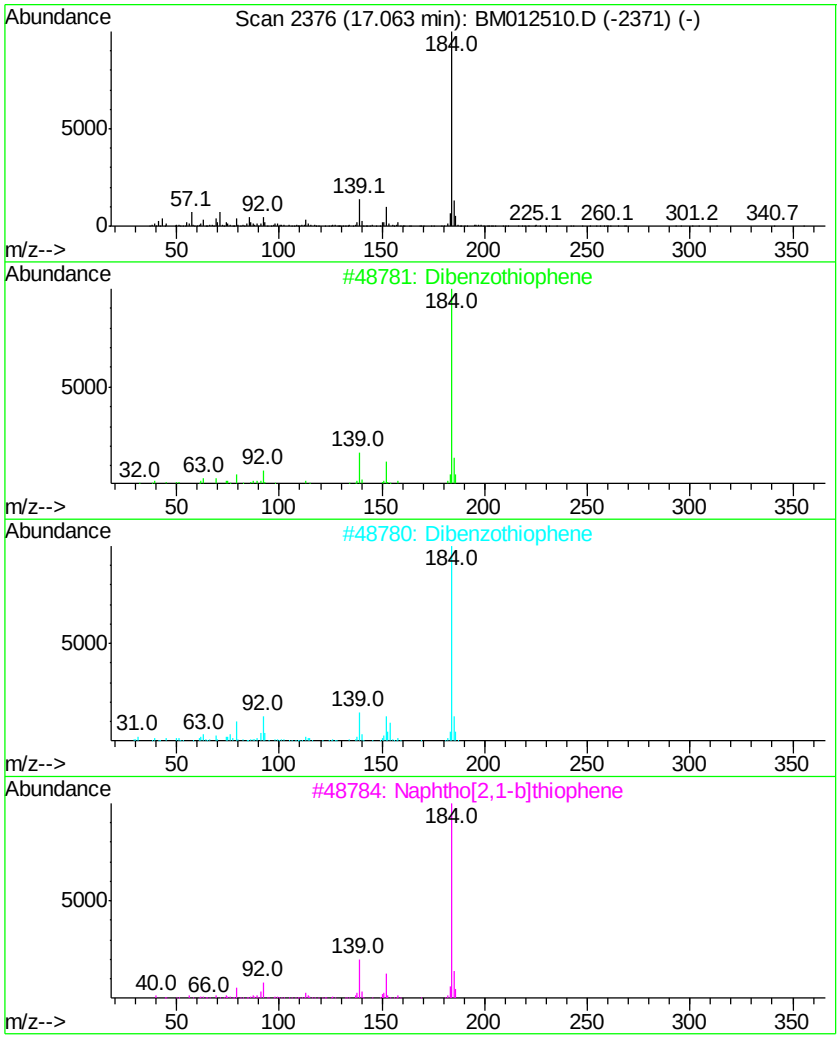
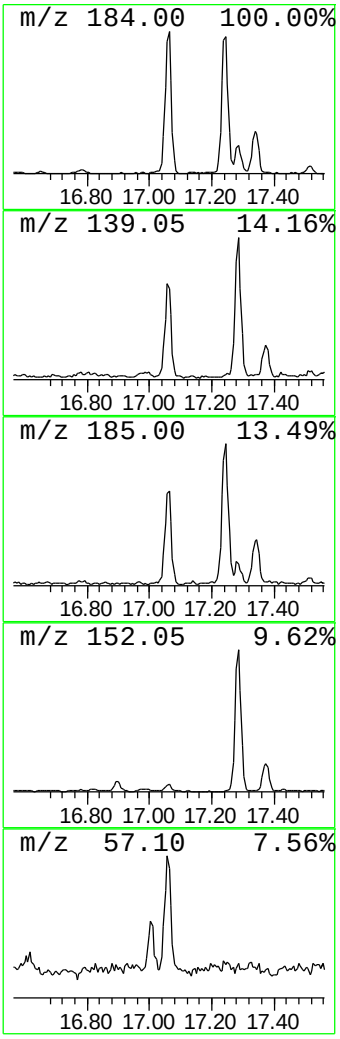
Peak Number 13 Dibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.06	3.34 ng/ul	922756	Phenanthrene-d10	17.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	94
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93





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Misc :
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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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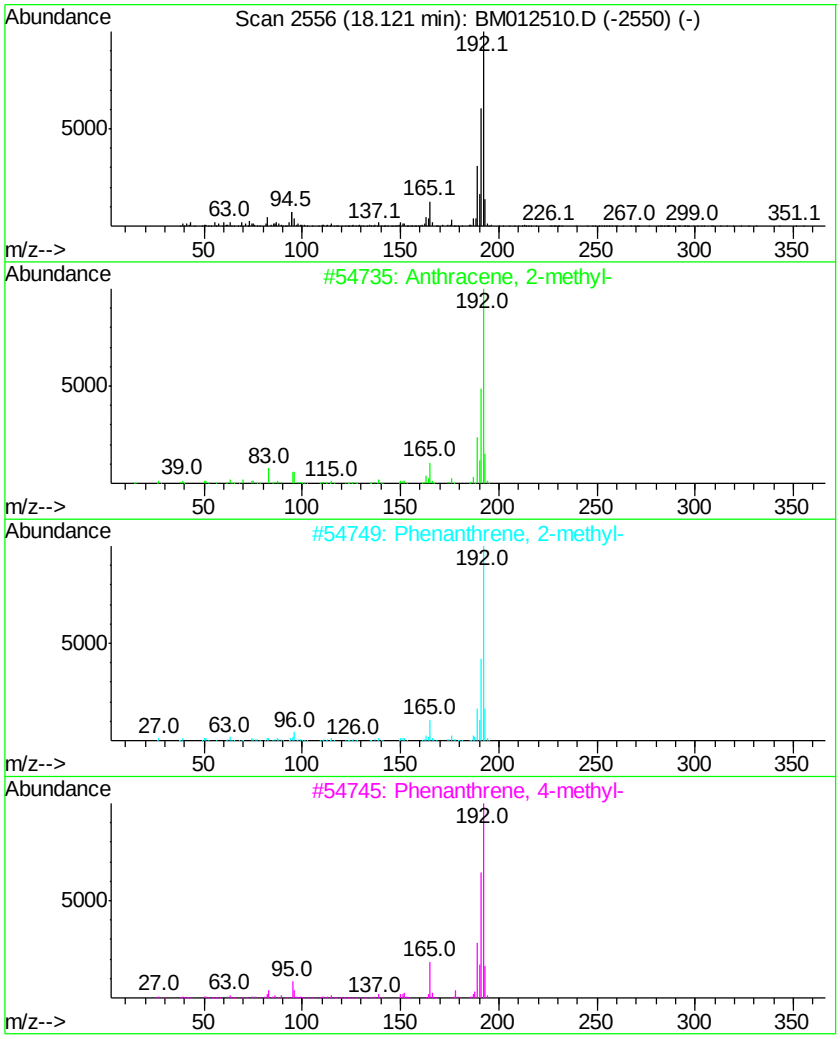
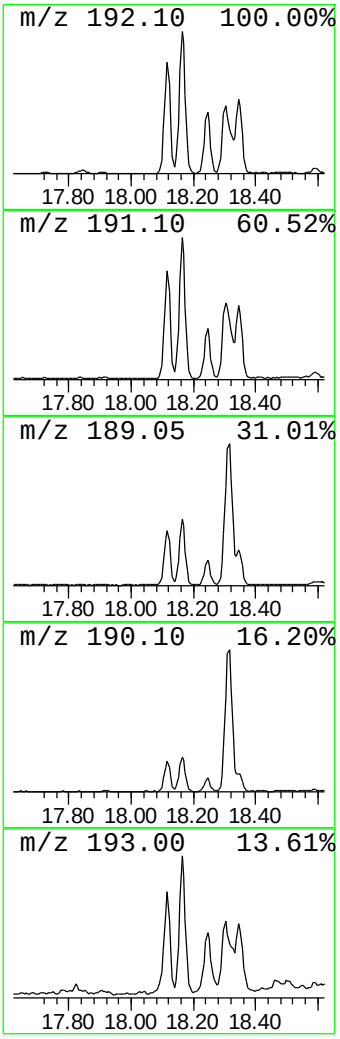
Peak Number 14 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	5.55 ng/ul	1532760	Phenanthrene-d10	17.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





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Quant Title : SVOA CALIBRATION

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

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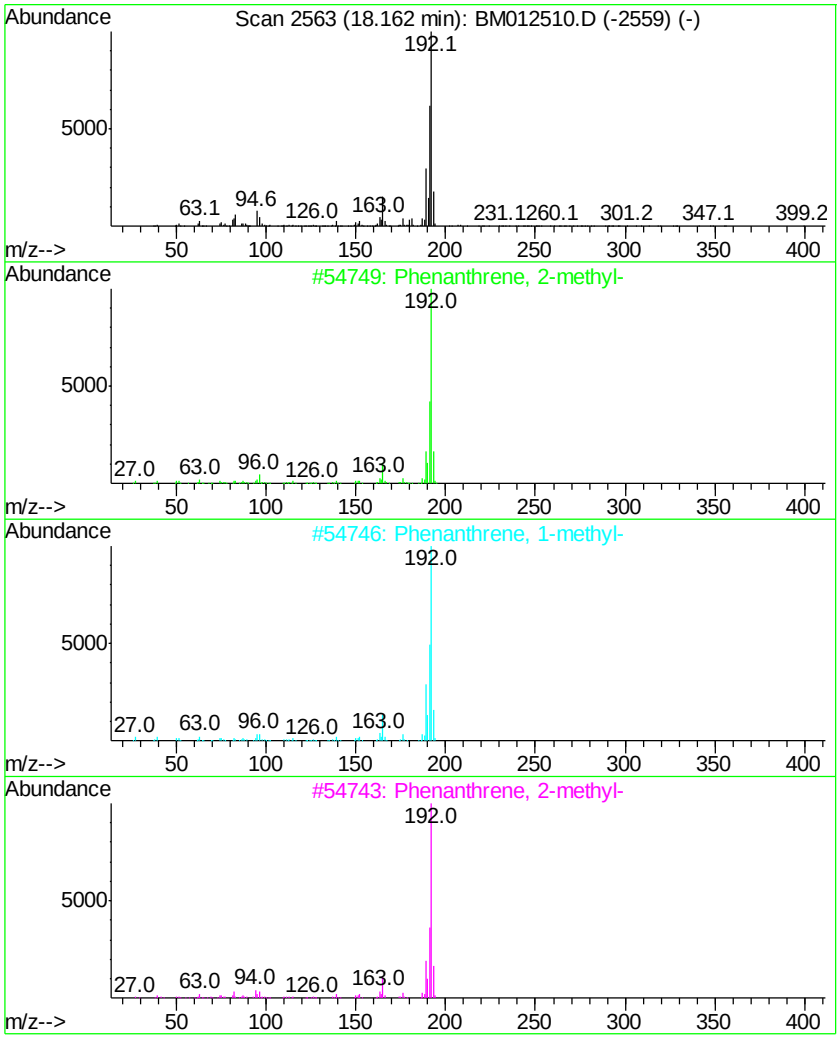
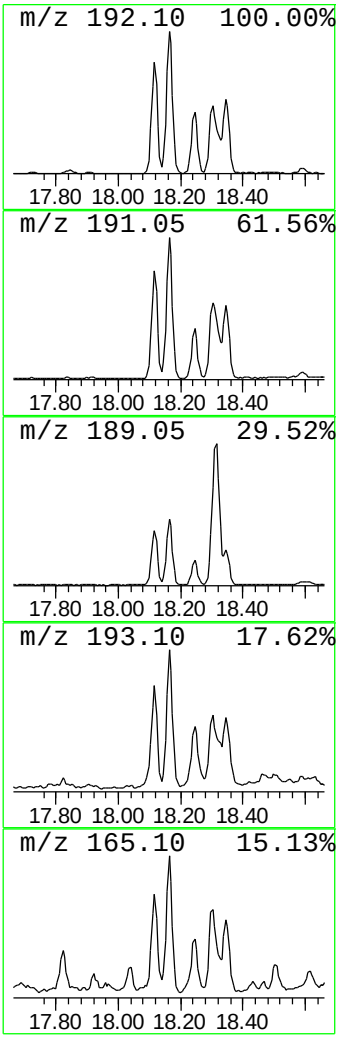
Peak Number 15 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	7.15 ng/ul	1972180	Phenanthrene-d10	17.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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Quant Title : SVOA CALIBRATION

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

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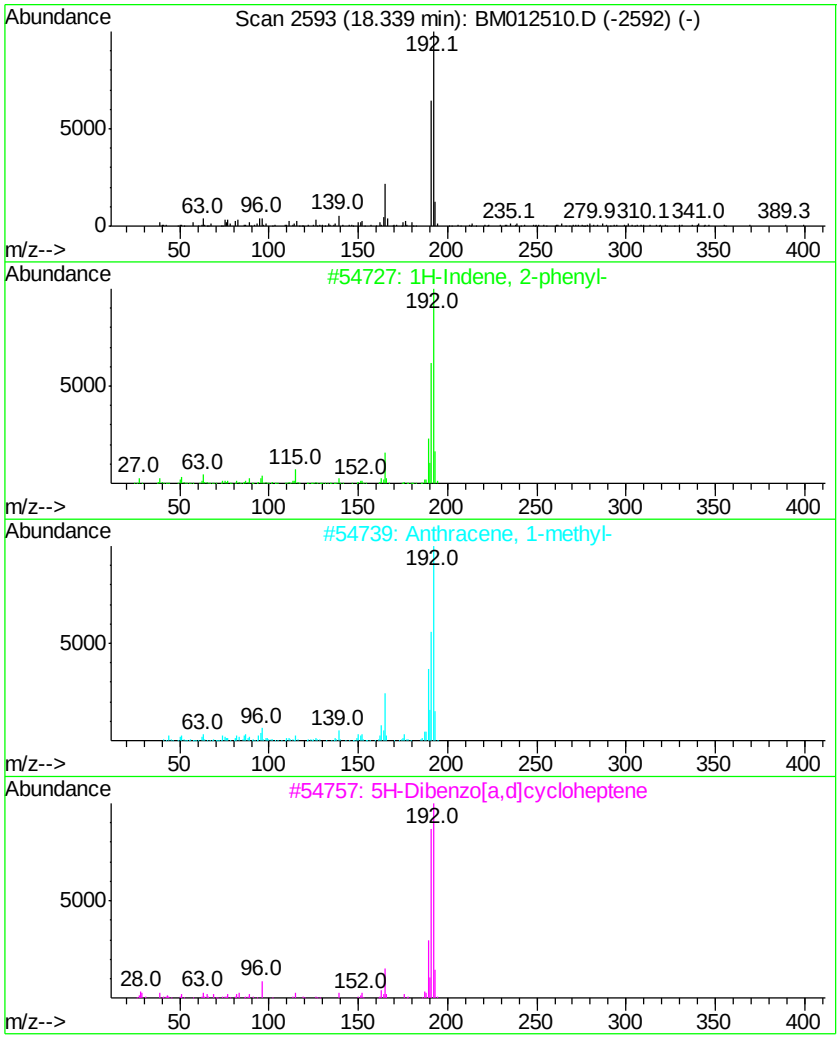
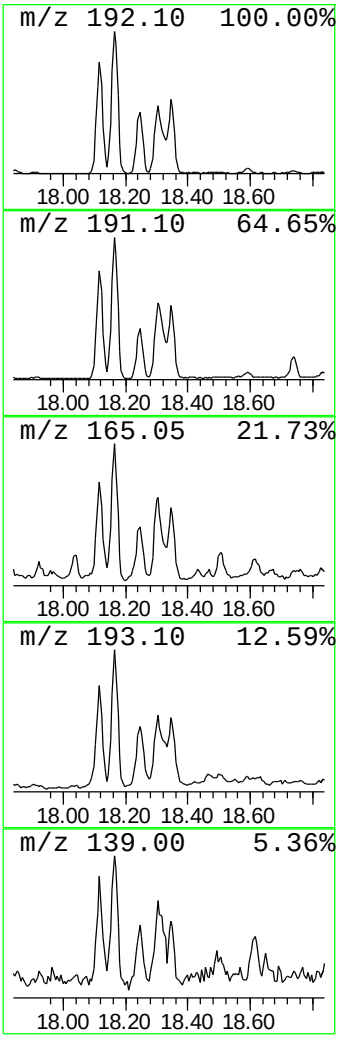
Peak Number 18 1H-Indene, 2-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	3.07 ng/ul	847946	Phenanthrene-d10	17.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	86
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	86
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86





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Quant Title : SVOA CALIBRATION

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

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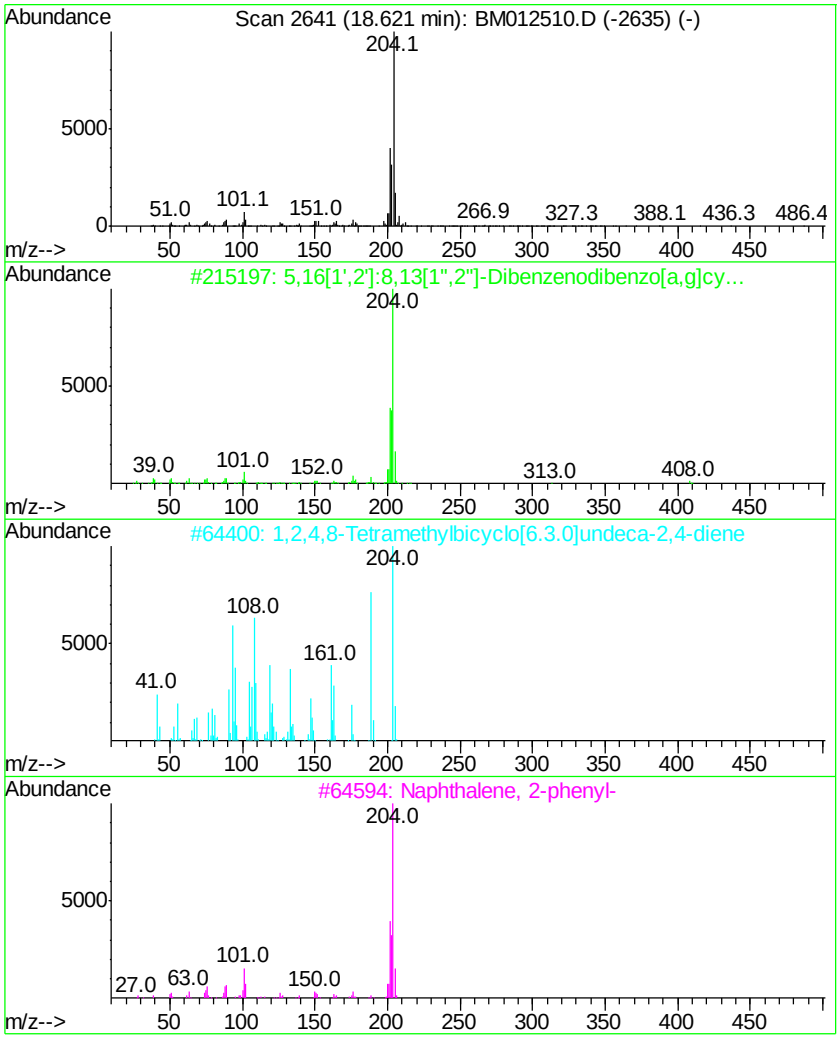
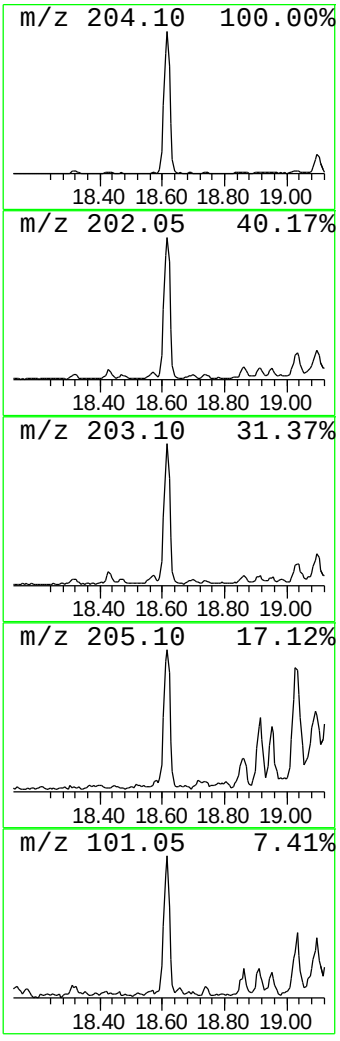
Peak Number 19 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	3.86 ng/ul	1064720	Phenanthrene-d10	17.24

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	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	90
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81





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Sample : I5719-12 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-24(1.5-3.5)-100517

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

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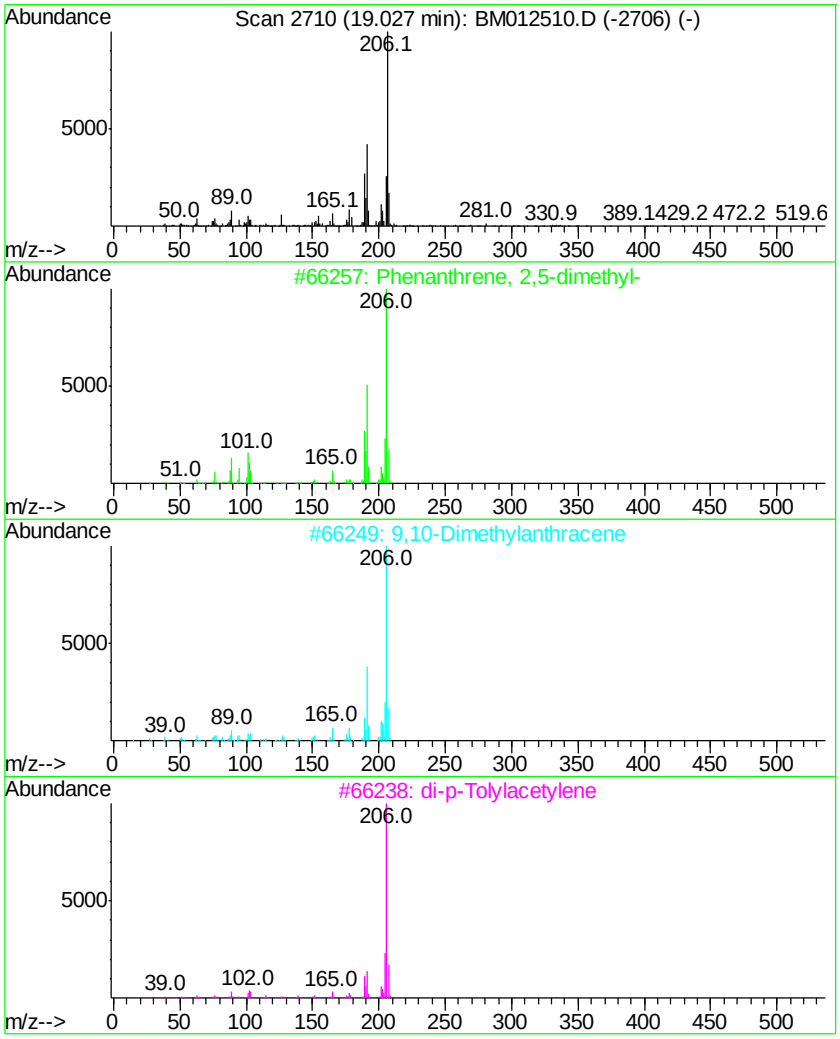
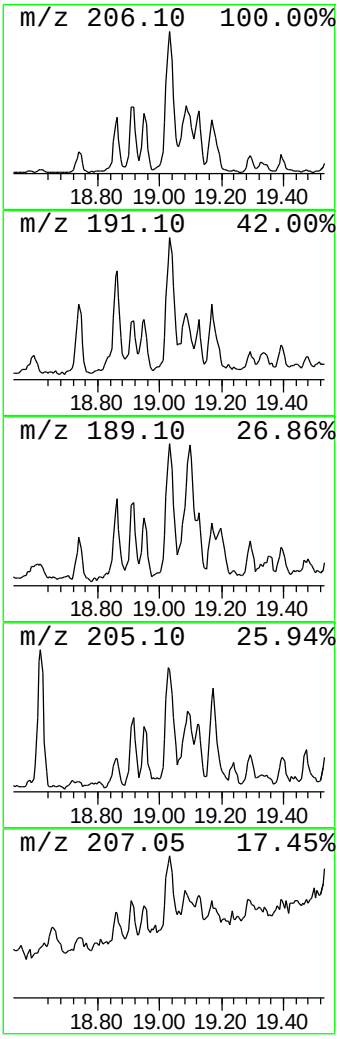
Peak Number 20 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.03	3.94 ng/ul	1087810	Phenanthrene-d10	17.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81





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Data File : BM012510.D
Acq On : 28 Oct 2017 06:04
Operator : SJ/JU
Sample : I5719-12 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-24(1.5-3.5)-100517

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

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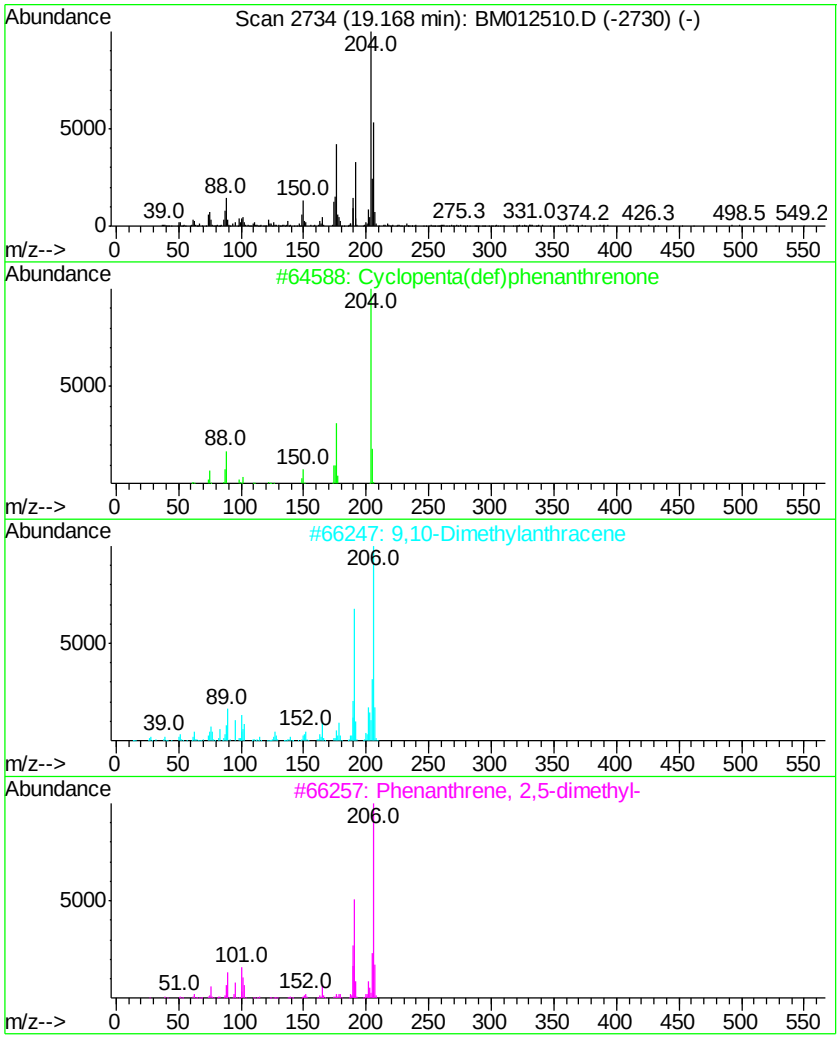
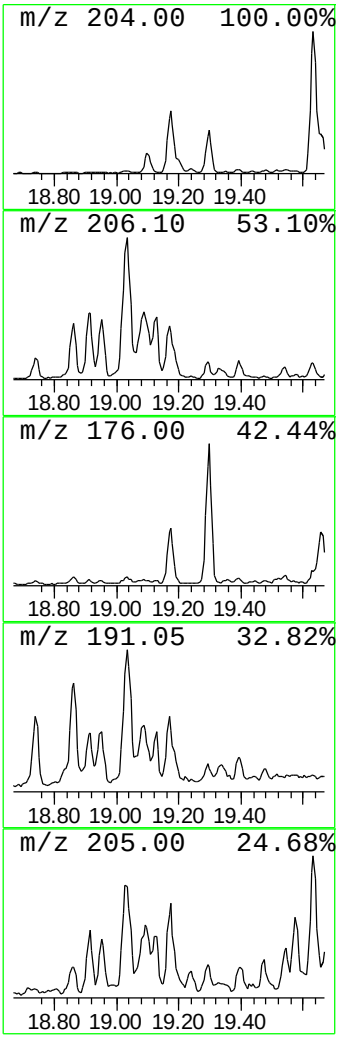
Peak Number 21 Cyclopenta(def)phenanthrenone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.17	3.22 ng/ul	887488	Phenanthrene-d10	17.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	70
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	46
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	42
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	38
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	38





Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012510.D
Acq On : 28 Oct 2017 06:04
Operator : SJ/JU
Sample : I5719-12 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-24(1.5-3.5)-100517

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

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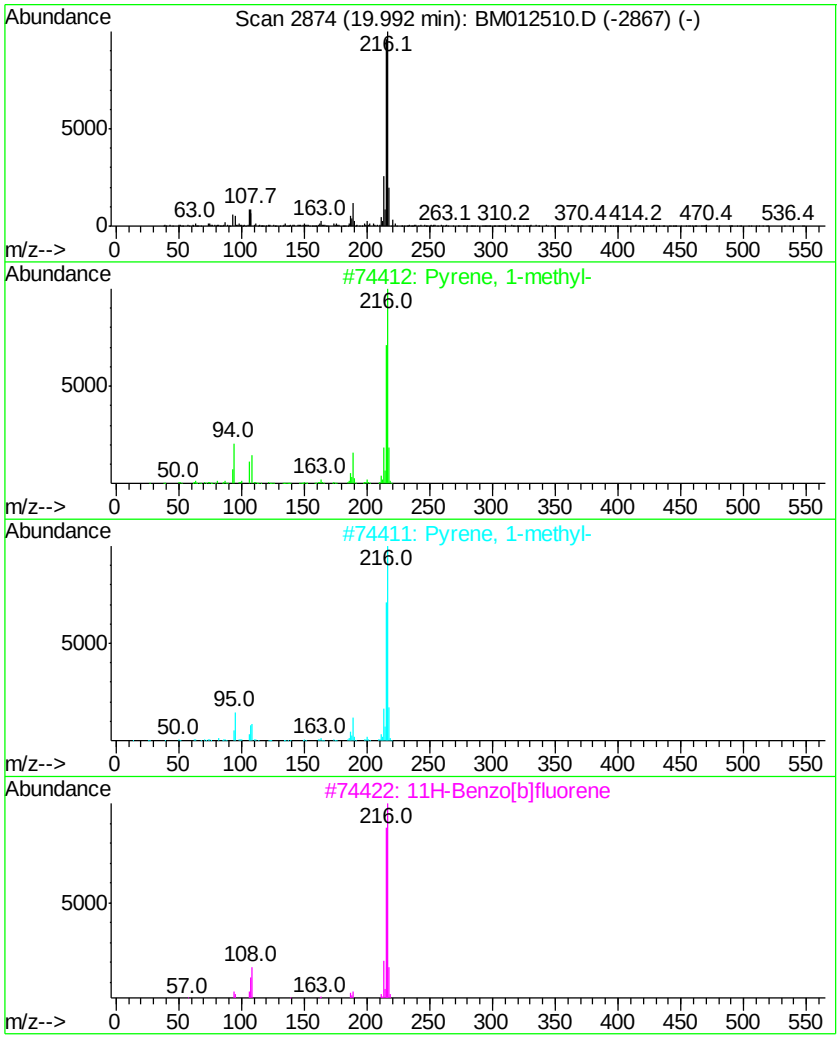
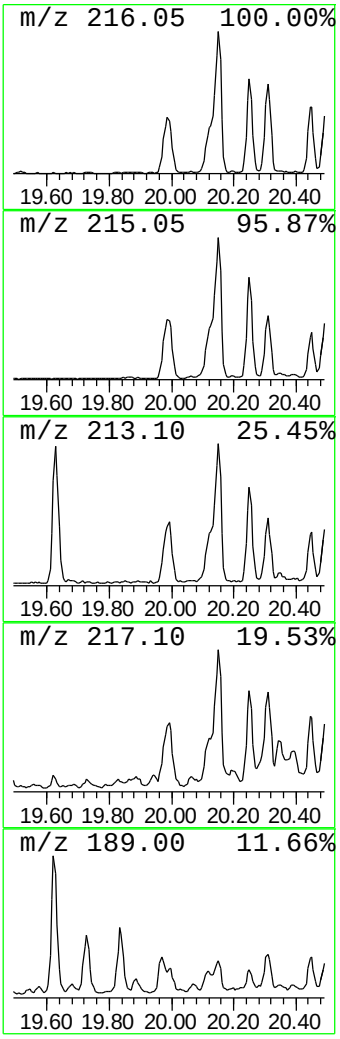
Peak Number 22 Pyrene, 1-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.99	2.04 ng/ul	1669490	Chrysene-d12	21.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91





Data Path : Z:\HPCHEM1\BNA M\DATA\BM102717\
Data File : BM012510.D
Acq On : 28 Oct 2017 06:04
Operator : SJ/JU
Sample : I5719-12 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-24(1.5-3.5)-100517

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

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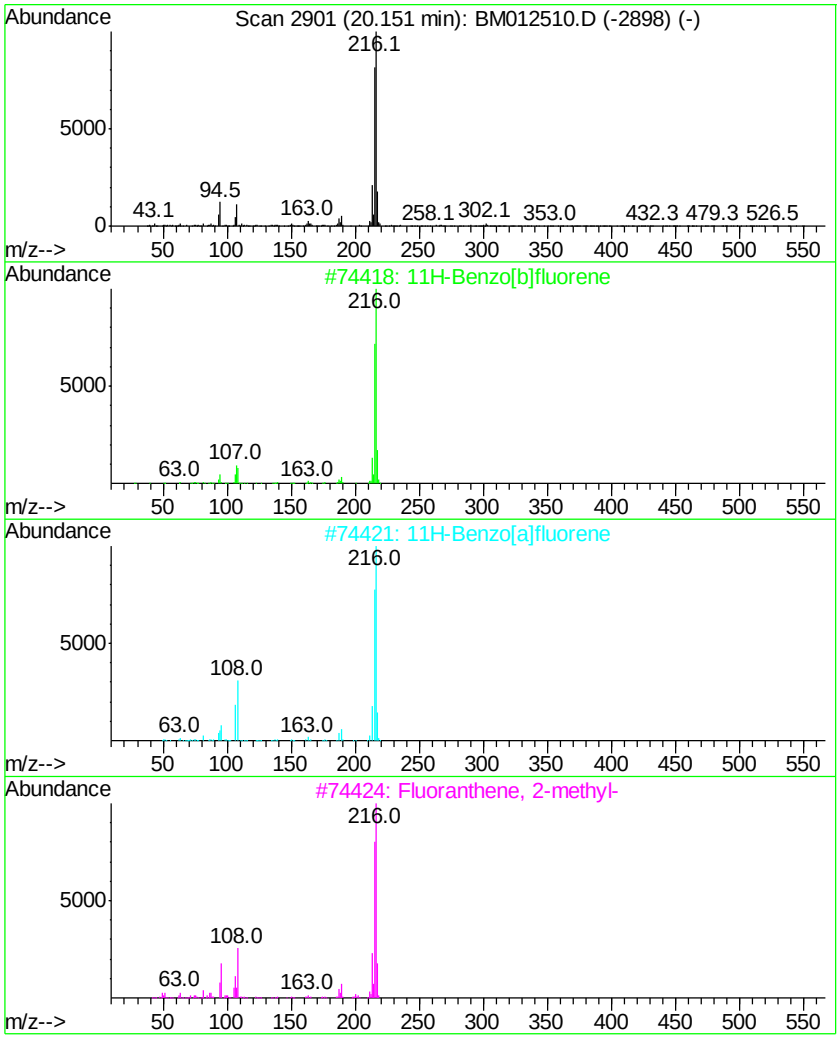
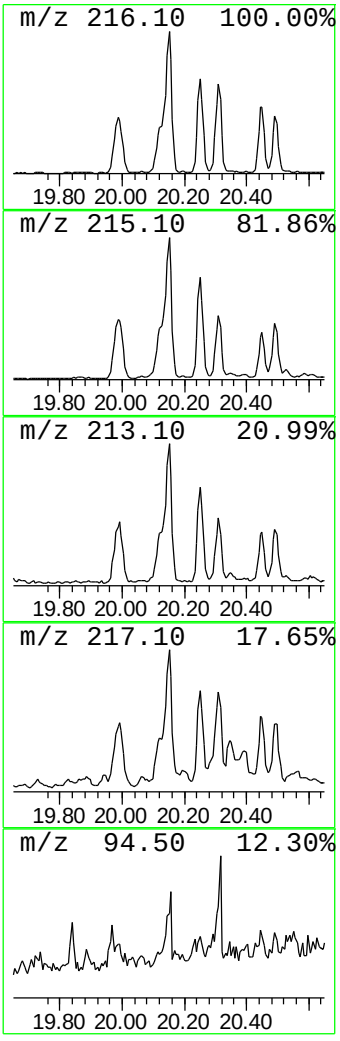
Peak Number 23 11H-Benzo[b]fluorene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.15	2.03 ng/ul	1661660	Chrysene-d12	21.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102717\
Data File : BM012510.D
Acq On : 28 Oct 2017 06:04
Operator : SJ/JU
Sample : I5719-12 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-24(1.5-3.5)-100517

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1,3-dime...	5.90	4.8	ng/ul	762242	1	7.87	3199350	20.0
(DEL) Alkane: Cyc...	6.52	2.2	ng/ul	346178	1	7.87	3199350	20.0
Benzene, propyl-	6.86	3.7	ng/ul	589276	1	7.87	3199350	20.0
Benzene, 1-ethyl-...	6.96	2.2	ng/ul	352113	1	7.87	3199350	20.0
Benzene, 1,2,3-tr...	7.52	12.9	ng/ul	2056450	1	7.87	3199350	20.0
p-Cymene	8.00	7.2	ng/ul	1148410	1	7.87	3199350	20.0
Benzene, 1-methyl...	8.42	2.5	ng/ul	394776	1	7.87	3199350	20.0
Benzene, 1,2-diet...	8.51	3.6	ng/ul	582685	1	7.87	3199350	20.0
(DEL) Alkane: Str...	9.10	6.5	ng/ul	1039520	1	7.87	3199350	20.0
Benzene, 1-methyl...	9.22	2.8	ng/ul	450794	1	7.87	3199350	20.0
Benzophenone	15.85	6.1	ng/ul	1464200	3	14.50	4794070	20.0
Dibenzothiophene	17.06	3.3	ng/ul	922756	4	17.24	5519080	20.0
Anthracene, 2-met...	18.12	5.5	ng/ul	1532760	4	17.24	5519080	20.0
Phenanthrene, 2-m...	18.16	7.2	ng/ul	1972180	4	17.24	5519080	20.0
1H-Indene, 2-phenyl-	18.34	3.1	ng/ul	847946	4	17.24	5519080	20.0
5,16[1',2']:8,13[...	18.62	3.9	ng/ul	1064720	4	17.24	5519080	20.0
Phenanthrene, 2,5...	19.03	3.9	ng/ul	1087810	4	17.24	5519080	20.0
Cyclopenta(def)ph...	19.17	3.2	ng/ul	887488	4	17.24	5519080	20.0
Pyrene, 1-methyl-	19.99	2.0	ng/ul	1669490	5	21.42	16367900	20.0
11H-Benzo[b]fluorene	20.15	2.0	ng/ul	1661660	5	21.42	16367900	20.0