LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080515\
Data File : BM002236.D
Acq On : 05 Aug 2015 17:18
Operator : TP/UM
Sample : G3073-06RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01N6RE

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-BM080415.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	3.299	100	104	114	rVB	89783	120560	1.08%	0.162%
2	3.687	164	170	182	rBV	53016	84659	0.76%	0.114%
3	5.010	390	395	403	rBV	44290	69118	0.62%	0.093%
4	5.146	412	418	435	rBV	122558	286669	2.56%	0.385%
5	5.516	472	481	492	rBV	74442	117932	1.05%	0.158%
6	5.993	555	562	569	rBB	14942	23122	0.21%	0.031%
7	6.481	640	645	654	rBV	61393	96172	0.86%	0.129%
8	6.593	658	664	669	rVV	63212	98628	0.88%	0.133%
9	6.651	669	674	681	rVV	43071	72654	0.65%	0.098%
10	6.728	681	687	701	rVV2	94429	214204	1.91%	0.288%
11	6.857	701	709	712	rVV	56648	96514	0.86%	0.130%
12	6.893	712	715	727	rVB	36712	59708	0.53%	0.080%
13	7.051	734	742	750	rBV	78868	150250	1.34%	0.202%
14	7.151	750	759	771	rVB	178530	292975	2.62%	0.394%
15	7.510	815	820	833	rVV	271225	493719	4.41%	0.663%
16	7.616	833	838	846	rVB2	26371	46525	0.42%	0.063%
17	7.875	877	882	892	rBB	25546	41736	0.37%	0.056%
18	7.992	896	902	907	rBV	32947	55096	0.49%	0.074%
19	8.051	907	912	920	rVV	26038	47782	0.43%	0.064%
20	8.145	923	928	934	rVV2	63671	112184	1.00%	0.151%
21	8.257	941	947	959	rVV2	73455	198319	1.77%	0.266%
22	8.345	960	962	972	rVV3	14004	26932	0.24%	0.036%
23	8.604	1001	1006	1013	rVV	90619	144745	1.29%	0.194%
24	8.681	1013	1019	1035	rVV	81745	170852	1.53%	0.230%
25	9.128	1090	1095	1101	rBV	62442	97175	0.87%	0.131%
26	9.192	1101	1106	1113	rVB	25674	41028	0.37%	0.055%
27	9.398	1131	1141	1155	rBV2	78634	181210	1.62%	0.243%
28	9.551	1163	1167	1177	rVB3	10239	24113	0.22%	0.032%
29	9.698	1186	1192	1199	rVV2	22375	39953	0.36%	0.054%
30	9.957	1230	1236	1253	rBV2	65332	207111	1.85%	0.278%
31	10.304	1282	1295	1300	rBV	429682	781850	6.98%	1.051%
32	10.475	1315	1324	1329	rBV3	31496	80884	0.72%	0.109%
33	11.980	1574	1580	1587	rBV2	22823	40615	0.36%	0.055%
34	12.210	1608	1619	1626	rBV	20172	42702	0.38%	0.057%

LSC Area Percent Report

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Data File : BM002236.D
Acq On : 05 Aug 2015 17:18
Operator : TP/UM
Sample : G3073-06RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01N6RE

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-BM080415.M
Title : SVOA CALIBRATION

35	13.022	1750	1757	1763	rVB5	10370	21733	0.19%	0.029%
36	13.510	1834	1840	1845	rBV	26027	50404	0.45%	0.068%
37	13.604	1845	1856	1861	rVV	217614	375497	3.35%	0.505%
38	13.651	1861	1864	1870	rVB	115126	171821	1.53%	0.231%
39	13.880	1898	1903	1916	rBV	241943	444415	3.97%	0.597%
40	14.004	1920	1924	1932	rVB5	15260	25502	0.23%	0.034%
41	14.192	1949	1956	1962	rVV2	749359	1230669	10.99%	1.654%
42	14.257	1962	1967	1977	rVV	253474	401110	3.58%	0.539%
43	14.345	1977	1982	1987	rVV	14893	23959	0.21%	0.032%
44	14.410	1987	1993	2001	rVB6	13003	33304	0.30%	0.045%
45	14.498	2001	2008	2019	rBV7	56601	165594	1.48%	0.223%
46	14.598	2019	2025	2034	rVV	139596	250932	2.24%	0.337%
47	14.674	2034	2038	2041	rVV	15939	27078	0.24%	0.036%
48	14.710	2041	2044	2050	rVB7	13684	25596	0.23%	0.034%
49	14.816	2056	2062	2067	rBV5	21986	48334	0.43%	0.065%
50	14.869	2067	2071	2083	rVV6	16882	38683	0.35%	0.052%
51	14.980	2083	2090	2094	rBV7	23113	57945	0.52%	0.078%
52	15.039	2094	2100	2104	rVB5	16243	28691	0.26%	0.039%
53	15.192	2120	2126	2131	rVV	354937	534033	4.77%	0.718%
54	15.245	2131	2135	2147	rVB	230991	378191	3.38%	0.508%
55	15.363	2148	2155	2159	rBV3	84960	166115	1.48%	0.223%
56	15.410	2160	2163	2166	rVV2	26748	41028	0.37%	0.055%
57	15.451	2166	2170	2174	rVB4	29650	45498	0.41%	0.061%
58	15.545	2181	2186	2192	rVB	63939	110439	0.99%	0.148%
59	15.692	2207	2211	2218	rVB	57267	114377	1.02%	0.154%
60	15.927	2243	2251	2260	rVB3	96523	213465	1.91%	0.287%
61	16.021	2263	2267	2270	rBV5	17670	31208	0.28%	0.042%
62	16.251	2300	2306	2311	rVV4	60758	160645	1.44%	0.216%
63	16.304	2312	2315	2320	rVB3	38071	59041	0.53%	0.079%
64	16.486	2343	2346	2349	rBV3	25806	34148	0.31%	0.046%
65	16.610	2362	2367	2372	rBV	121759	178839	1.60%	0.240%
66	16.698	2375	2382	2386	rVV4	73335	149769	1.34%	0.201%
67	16.762	2386	2393	2401	rVB2	155083	356731	3.19%	0.479%
68	16.951	2419	2425	2428	rBV	1031042	1527903	13.65%	2.053%
69	16.998	2428	2433	2438	rVV	3045380	4228392	37.77%	5.682%
70	17.051	2438	2442	2444	rVV	423289	590640	5.28%	0.794%
71	17.080	2444	2447	2452	rVB	547978	768553	6.87%	1.033%

LSC Area Percent Report

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Data File : BM002236.D
Acq On : 05 Aug 2015 17:18
Operator : TP/UM
Sample : G3073-06RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01N6RE

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-BM080415.M
Title : SVOA CALIBRATION

72	17.362	2487	2495	2502	rBV2	299261	589493	5.27%	0.792%
73	17.821	2569	2573	2577	rBV	298322	433820	3.88%	0.583%
74	17.874	2578	2582	2587	rVB	423246	621004	5.55%	0.834%
75	18.015	2602	2606	2609	rBV3	555858	941224	8.41%	1.265%
76	18.051	2609	2612	2620	rVB2	994028	1384053	12.36%	1.860%
77	18.227	2636	2642	2649	rVB	5108847	7110356	63.52%	9.554%
78	18.333	2656	2660	2664	rBV	206192	281408	2.51%	0.378%
79	18.427	2665	2676	2680	rBV	7634469	11194109	100.00%	15.041%
80	18.562	2695	2699	2707	rBV2	508068	731181	6.53%	0.982%
81	18.704	2719	2723	2727	rVB	354587	460565	4.11%	0.619%
82	18.756	2729	2732	2737	rVV	107864	165183	1.48%	0.222%
83	19.033	2772	2779	2782	rBV	3905127	5702528	50.94%	7.662%
84	19.068	2782	2785	2791	rVB	969024	1292232	11.54%	1.736%
85	19.156	2798	2800	2807	rVB2	234417	328898	2.94%	0.442%
86	19.362	2830	2835	2837	rBV3	1138792	1763117	15.75%	2.369%
87	19.398	2837	2841	2848	rVB	3309485	4602349	41.11%	6.184%
88	19.992	2939	2942	2945	rVB	284267	314108	2.81%	0.422%
89	21.156	3135	3140	3145	rBV2	1956648	4034742	36.04%	5.421%
90	21.203	3145	3148	3152	rVB	1662630	1921631	17.17%	2.582%
91	21.650	3221	3224	3227	rBV2	631266	731026	6.53%	0.982%
92	21.797	3245	3249	3253	rBV2	942097	1268199	11.33%	1.704%
93	21.945	3271	3274	3277	rBV4	484218	648576	5.79%	0.871%
94	22.650	3391	3394	3398	rVB	600811	751324	6.71%	1.010%
95	22.703	3398	3403	3408	rBV	1185254	2465110	22.02%	3.312%
96	23.186	3478	3485	3493	rBV3	590748	1812309	16.19%	2.435%
97	23.262	3494	3498	3506	rVB	1041544	1834575	16.39%	2.465%
98	23.356	3509	3514	3518	rBV	553185	929735	8.31%	1.249%
99	23.803	3586	3590	3598	rVB2	584304	1176579	10.51%	1.581%
100	25.544	3881	3886	3895	rVB2	468561	1164996	10.41%	1.565%

Sum of corrected areas: 74422408

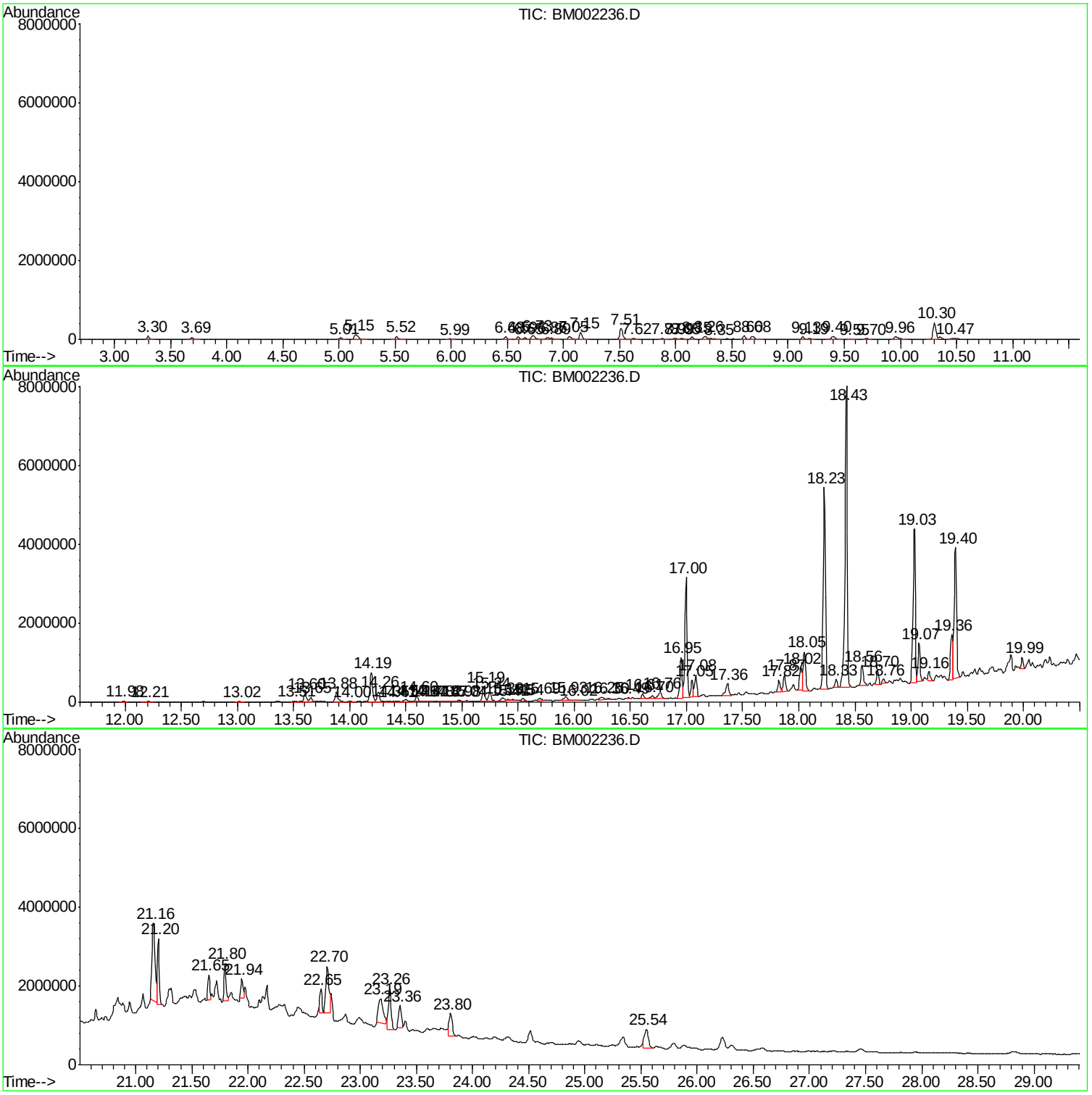
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080515\
Data File : BM002236.D
Acq On : 05 Aug 2015 17:18
Operator : TP/UM
Sample : G3073-06RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01N6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.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\BM080515\
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Acq On : 05 Aug 2015 17:18
Operator : TP/UM
Sample : G3073-06RE
Misc :
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Instrument : BNA_M
ClientSampleId : C01N6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

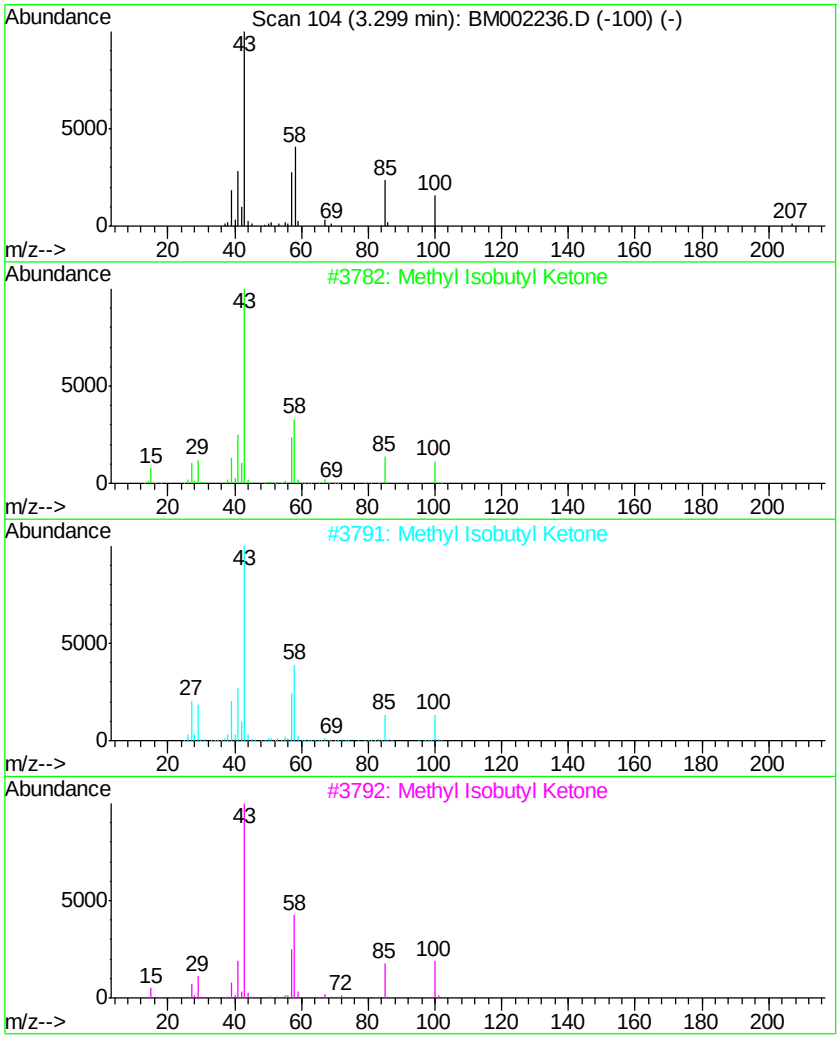
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

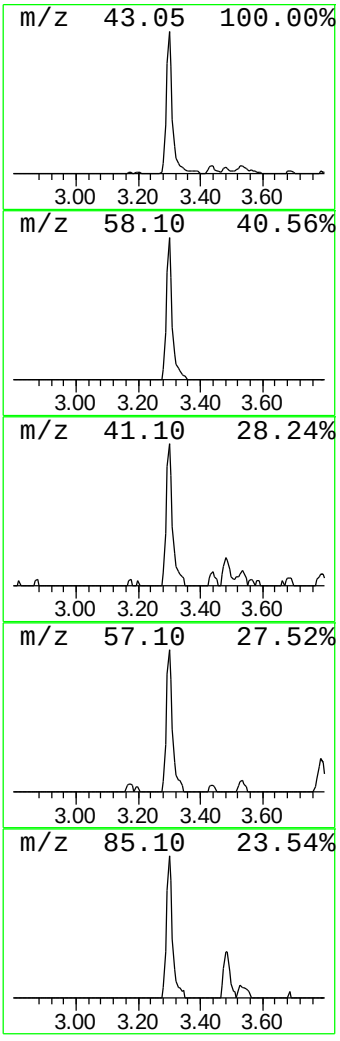
****

Peak Number 1 Methyl Isobutyl Ketone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.30	4.88 ng/ul	120560	1,4-Dichlorobenzene-d4	7.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl Isobutyl Ketone	100	C6H12O	000108-10-1	91
2	Methyl Isobutyl Ketone	100	C6H12O	000108-10-1	87
3	Methyl Isobutyl Ketone	100	C6H12O	000108-10-1	64
4	2,4-Pentanedione	100	C5H8O2	000123-54-6	46
5	2,4-Pentanedione	100	C5H8O2	000123-54-6	46





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080515\
Data File : BM002236.D
Acq On : 05 Aug 2015 17:18
Operator : TP/UM
Sample : G3073-06RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01N6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

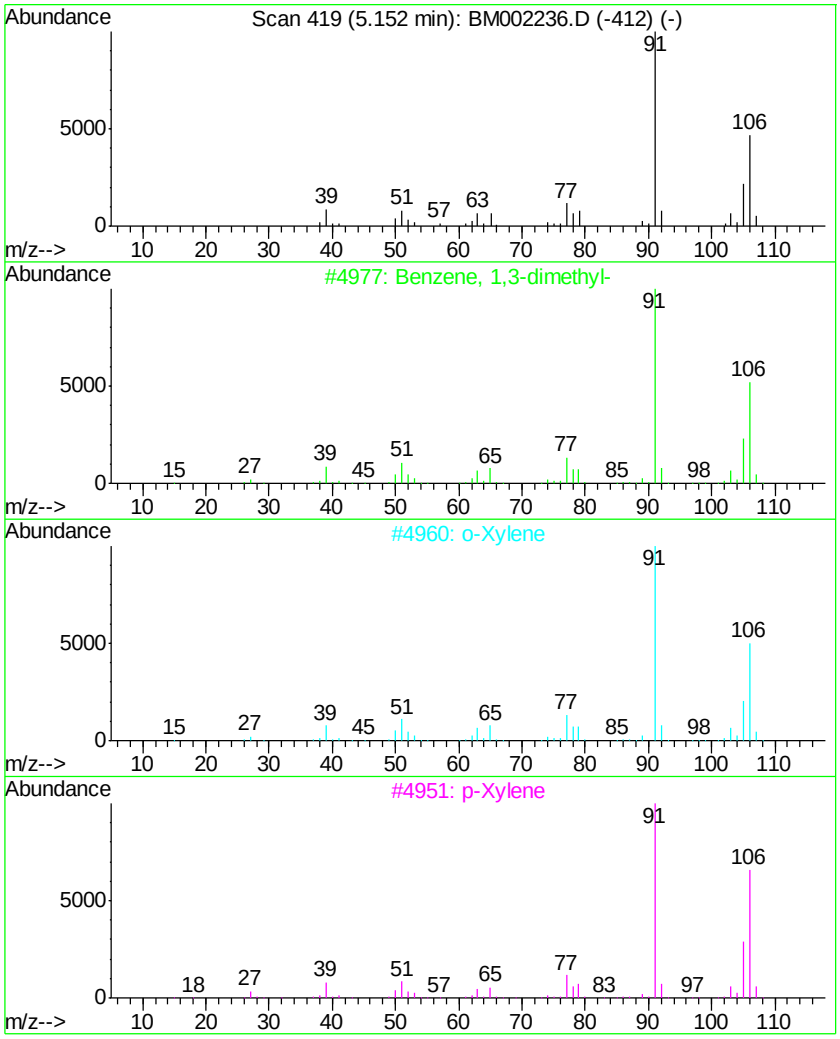
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

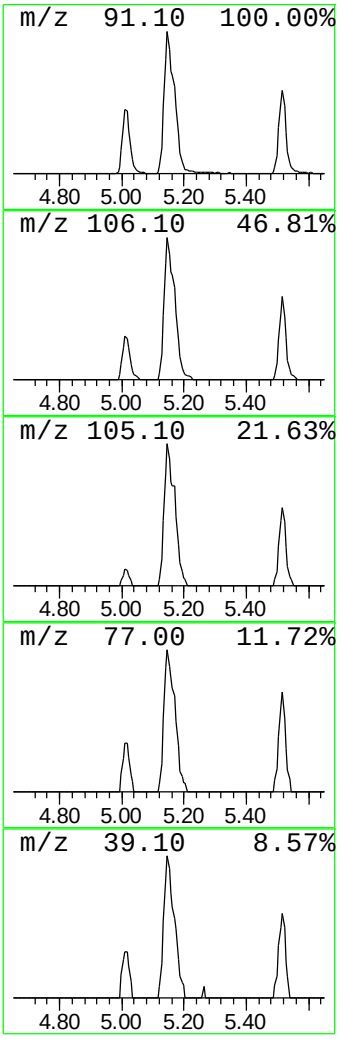
****

Peak Number 4 Benzene, 1,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.15	11.61 ng/ul	286669	1,4-Dichlorobenzene-d4	7.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
2	o-Xylene	106	C8H10	000095-47-6	97
3	p-Xylene	106	C8H10	000106-42-3	95
4	p-Xylene	106	C8H10	000106-42-3	94
5	p-Xylene	106	C8H10	000106-42-3	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080515\
Data File : BM002236.D
Acq On : 05 Aug 2015 17:18
Operator : TP/UM
Sample : G3073-06RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01N6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

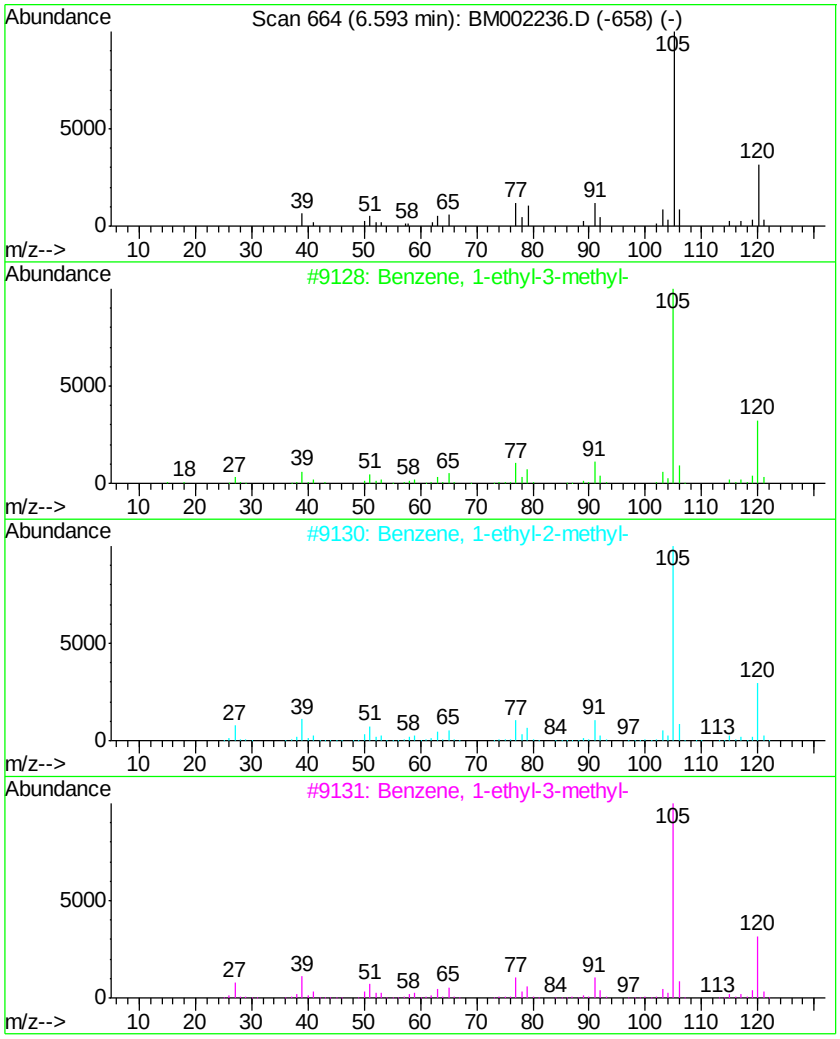
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

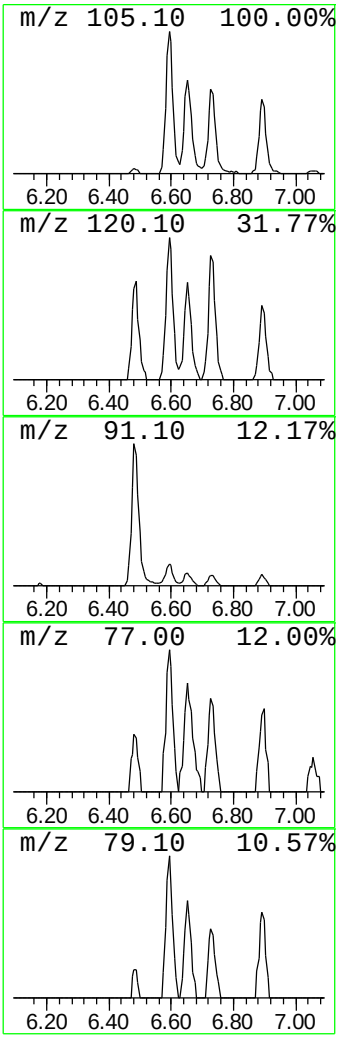
****

Peak Number 7 Benzene, 1-ethyl-3-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	4.00 ng/ul	98628	1,4-Dichlorobenzene-d4	7.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	97
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
4	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080515\
Data File : BM002236.D
Acq On : 05 Aug 2015 17:18
Operator : TP/UM
Sample : G3073-06RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01N6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

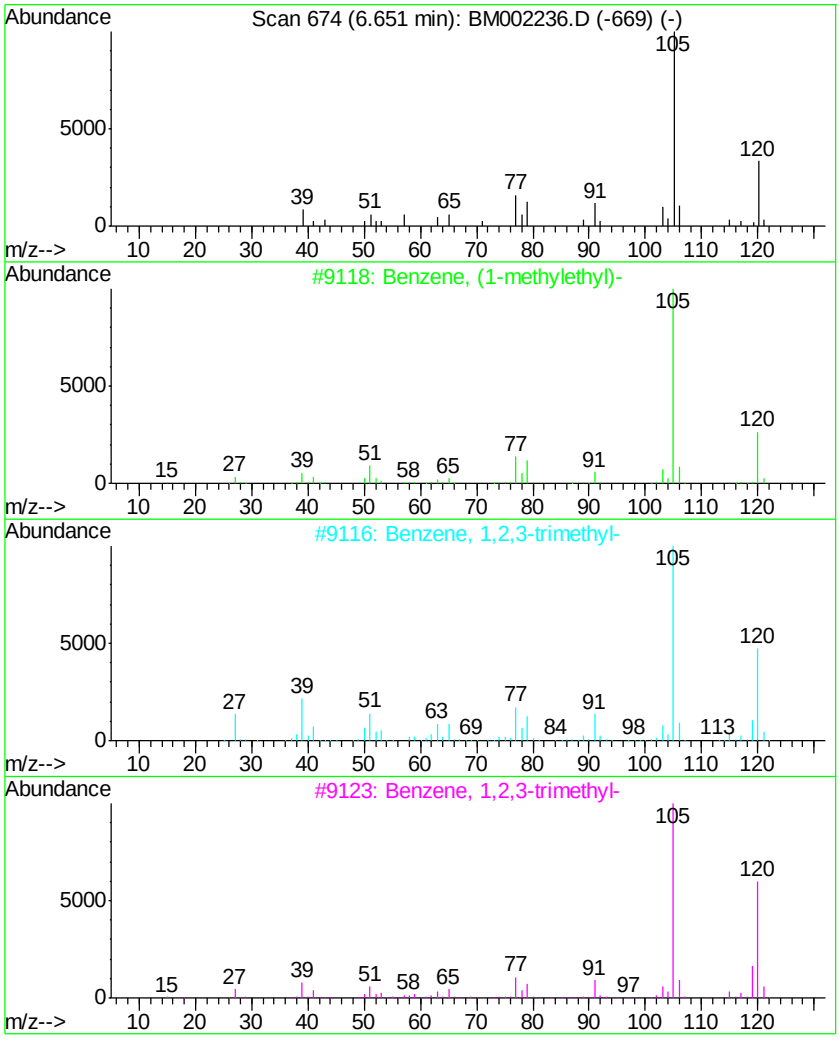
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

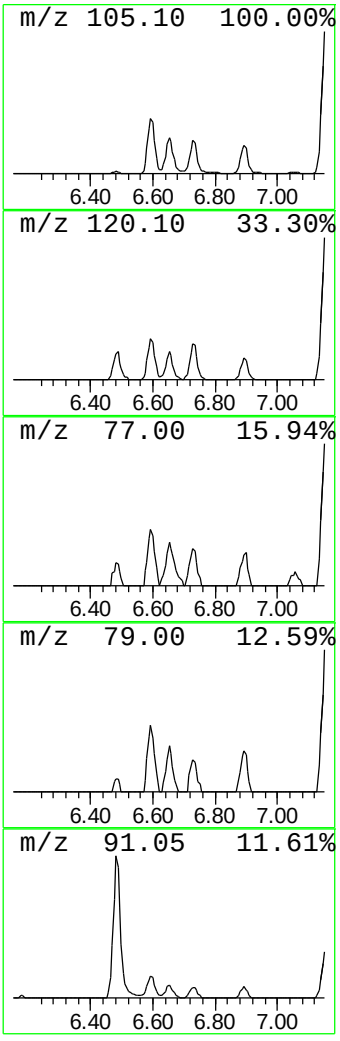
****

Peak Number 8 Benzene, (1-methylethyl)- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	2.94 ng/ul	72654	1,4-Dichlorobenzene-d4	7.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	91
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080515\
Data File : BM002236.D
Acq On : 05 Aug 2015 17:18
Operator : TP/UM
Sample : G3073-06RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01N6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

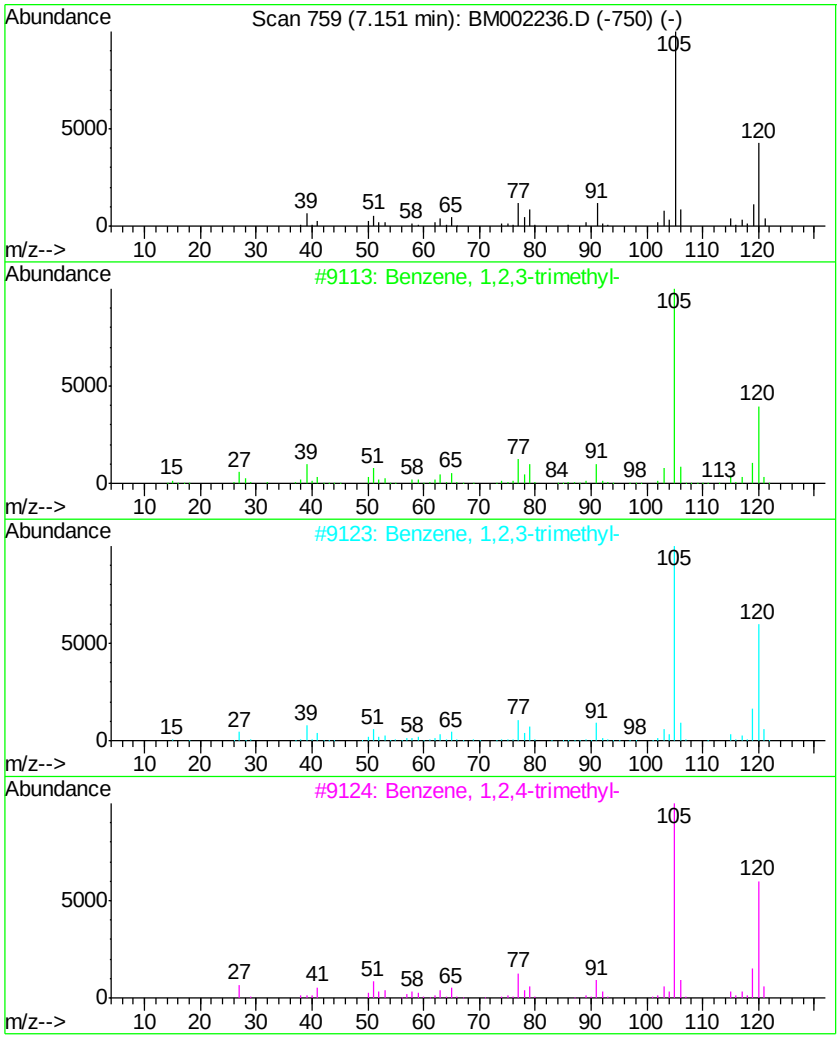
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

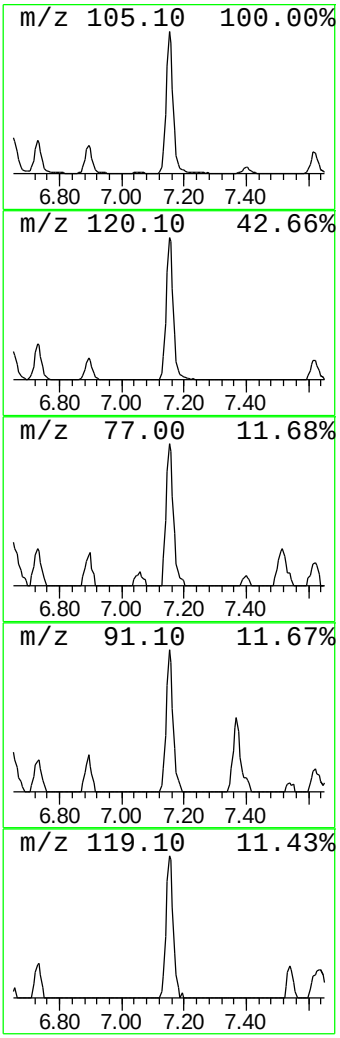
****

Peak Number 9 Benzene, 1,2,3-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.15	11.87 ng/ul	292975	1,4-Dichlorobenzene-d4	7.51

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	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080515\
Data File : BM002236.D
Acq On : 05 Aug 2015 17:18
Operator : TP/UM
Sample : G3073-06RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01N6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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

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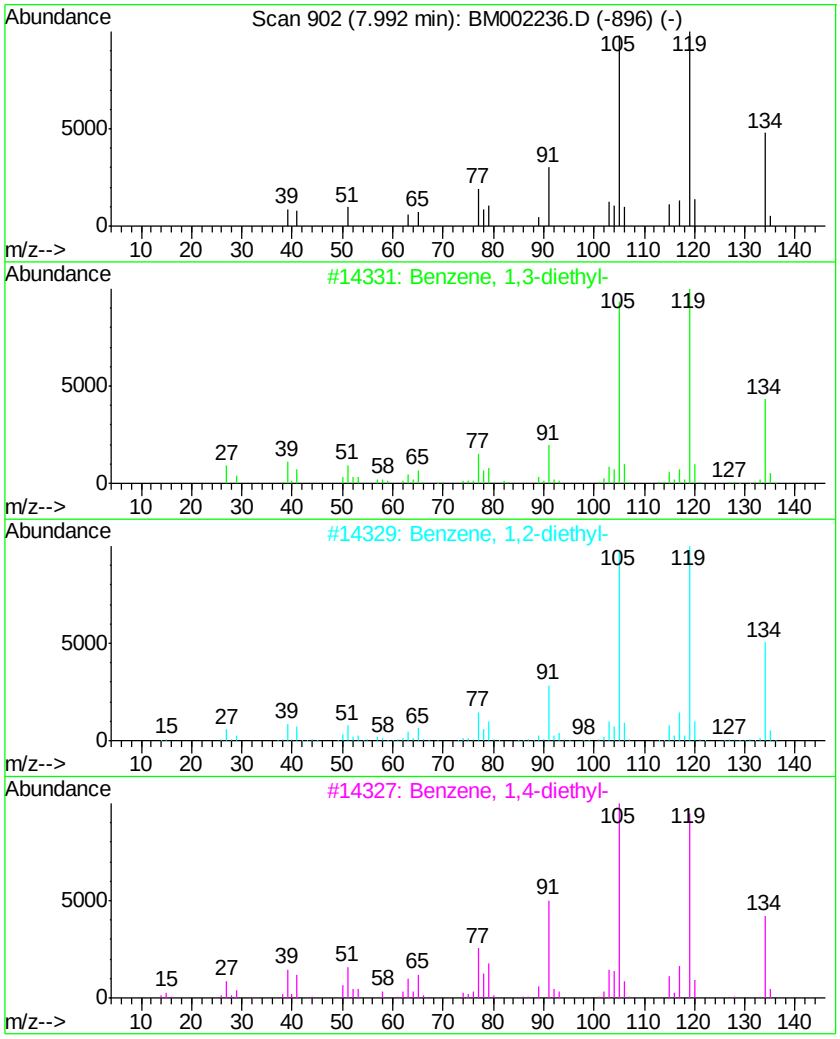
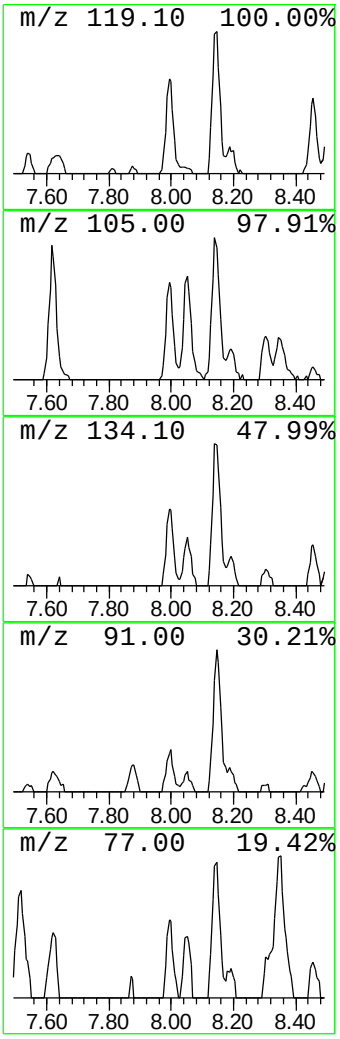
Peak Number 10 Benzene, 1,4-diethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.99	2.23 ng/ul	55096	1,4-Dichlorobenzene-d4	7.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	94
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
4	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	91
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91





Library Search Compound Report

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Instrument : BNA_M
ClientSampleId : C01N6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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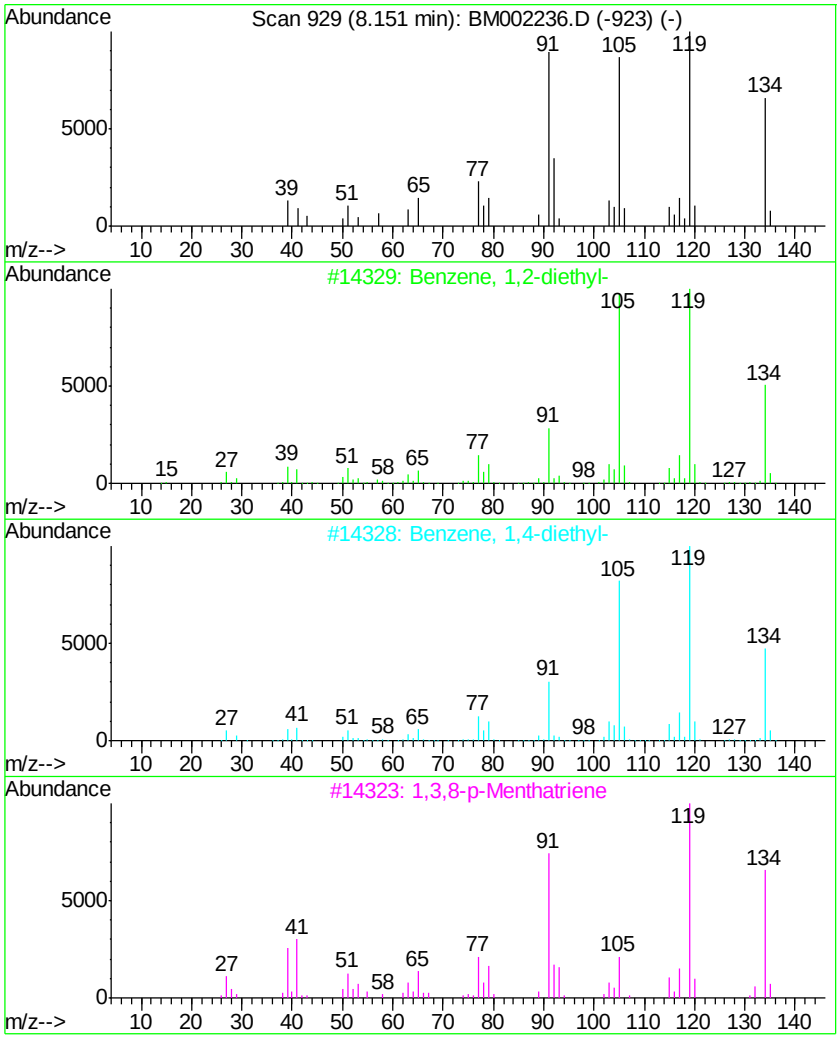
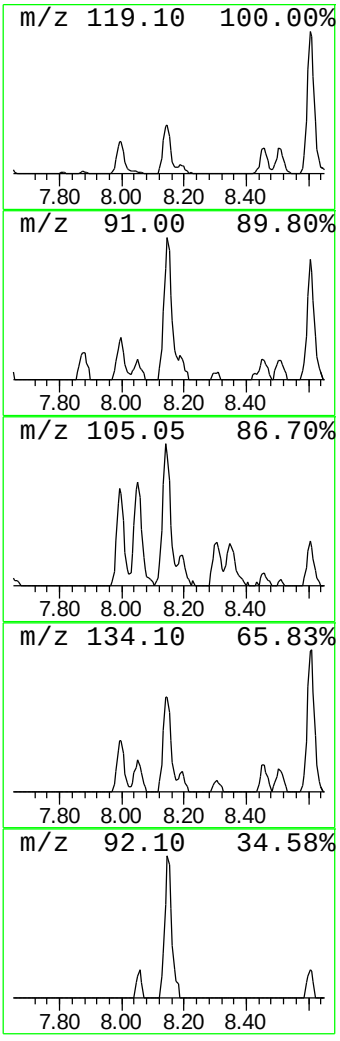
Peak Number 11 Benzene, 1,2-diethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	4.54 ng/ul	112184	1,4-Dichlorobenzene-d4	7.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	94
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
3	1,3,8-p-Menthatriene	134	C10H14	021195-59-5	87
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	81
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	81





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Data File : BM002236.D
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Operator : TP/UM
Sample : G3073-06RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01N6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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

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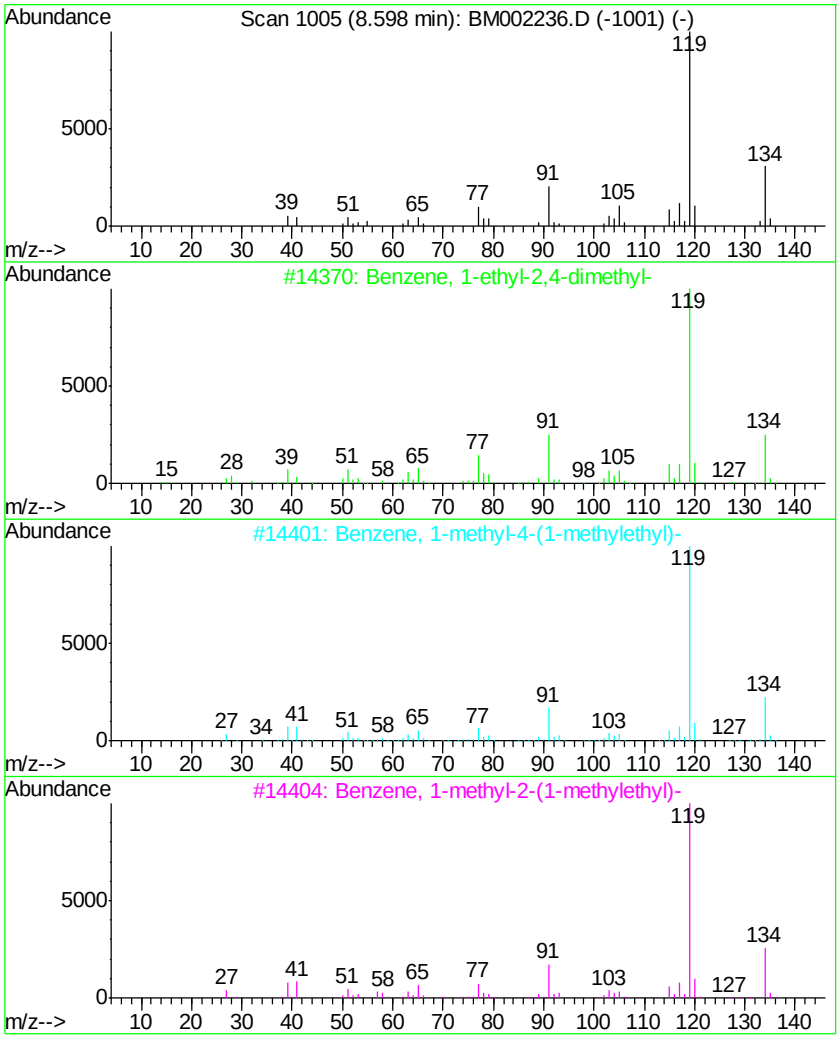
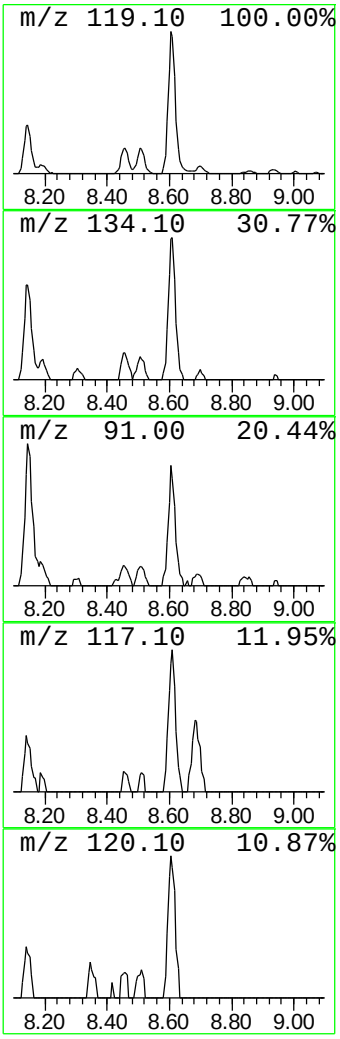
Peak Number 12 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	5.86 ng/ul	144745	1,4-Dichlorobenzene-d4	7.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
2	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	95
3	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	95
4	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	95
5	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	94





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Instrument : BNA_M
ClientSampleId : C01N6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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TIC Integration Parameters: LSCINT.P

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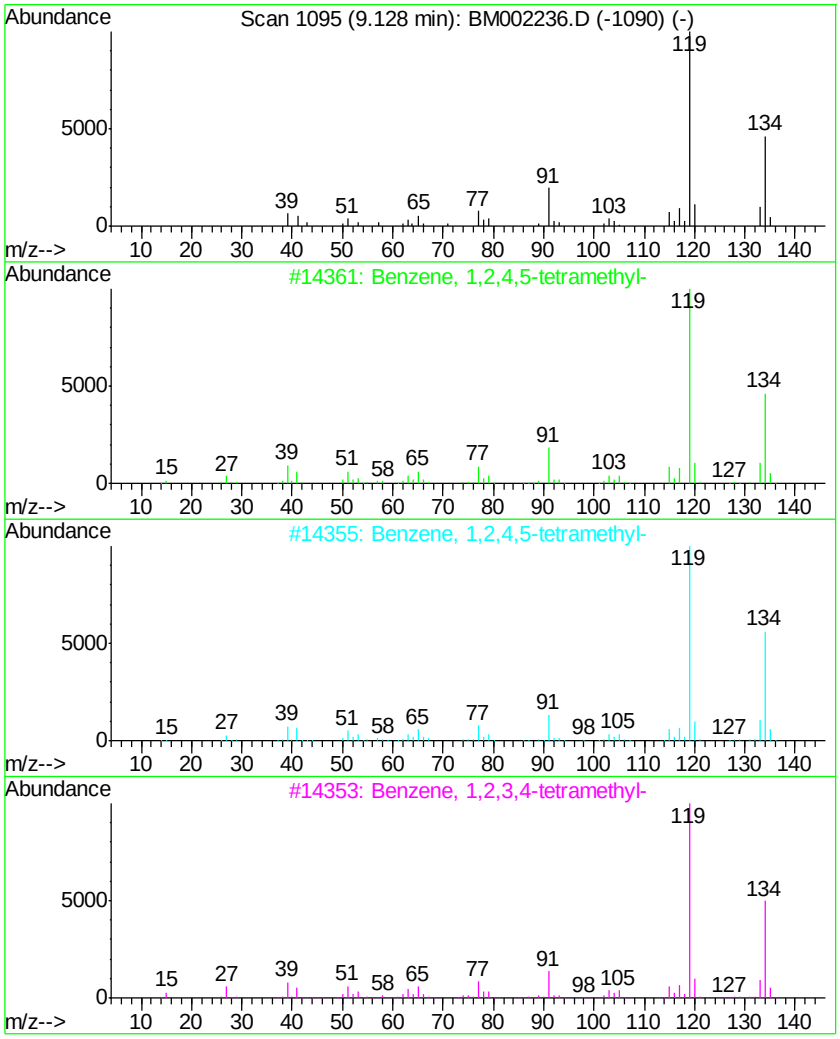
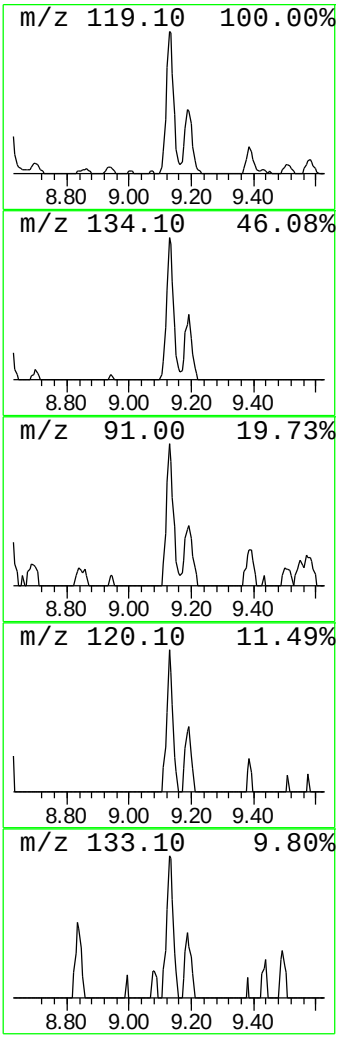
Peak Number 13 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.13	2.49 ng/ul	97175	Naphthalene-d8	10.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94





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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01N6RE

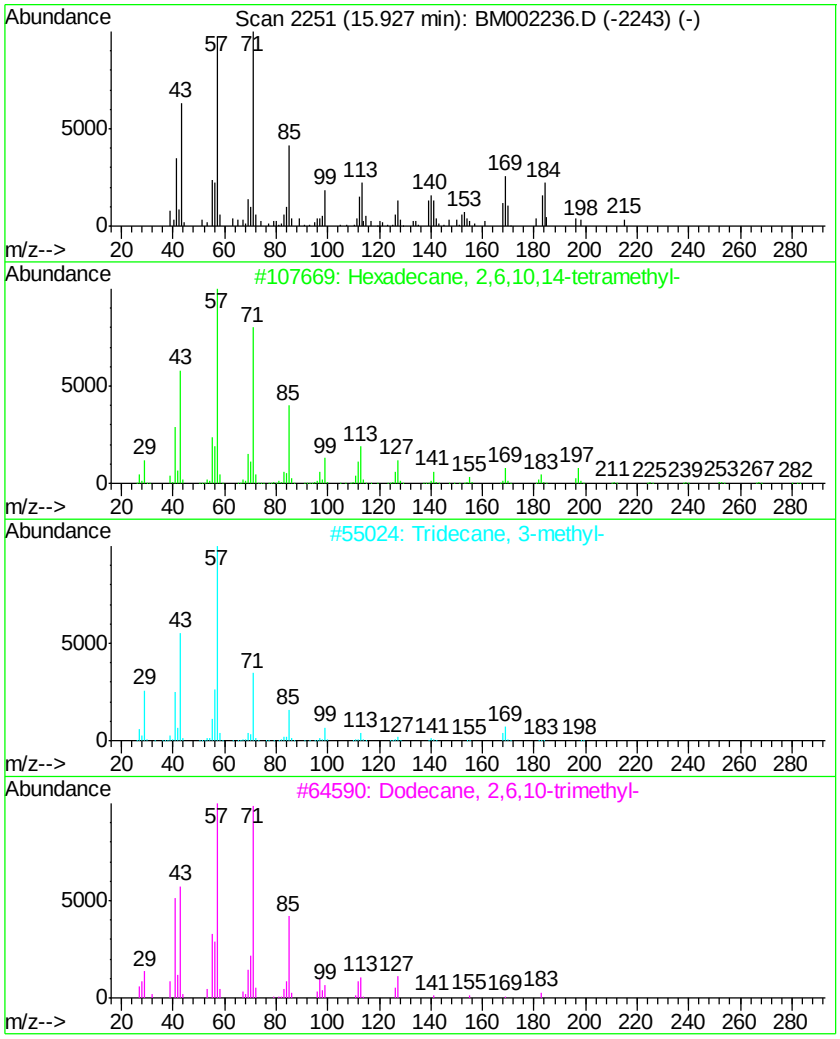
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

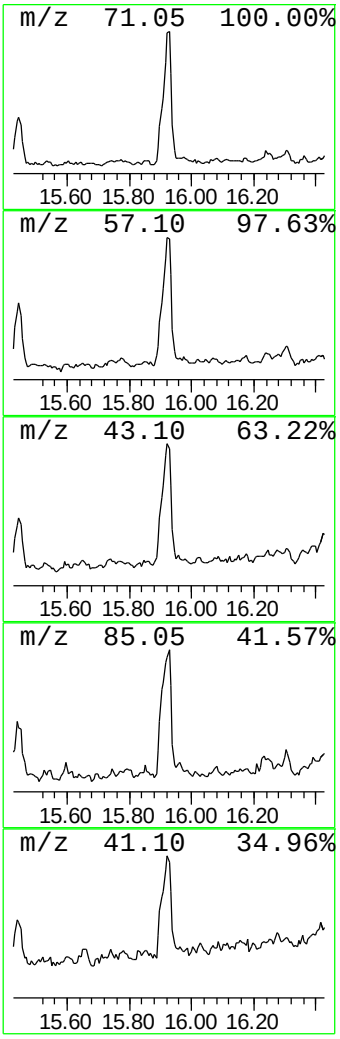
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	2.79 ng/ul	213465	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	58
2	Tridecane, 3-methyl-	198	C14H30	006418-41-3	53
3	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	46
4	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	46
5	Tridecane, 4-methyl-	198	C14H30	026730-12-1	46





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Instrument : BNA_M
ClientSampleId : C01N6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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

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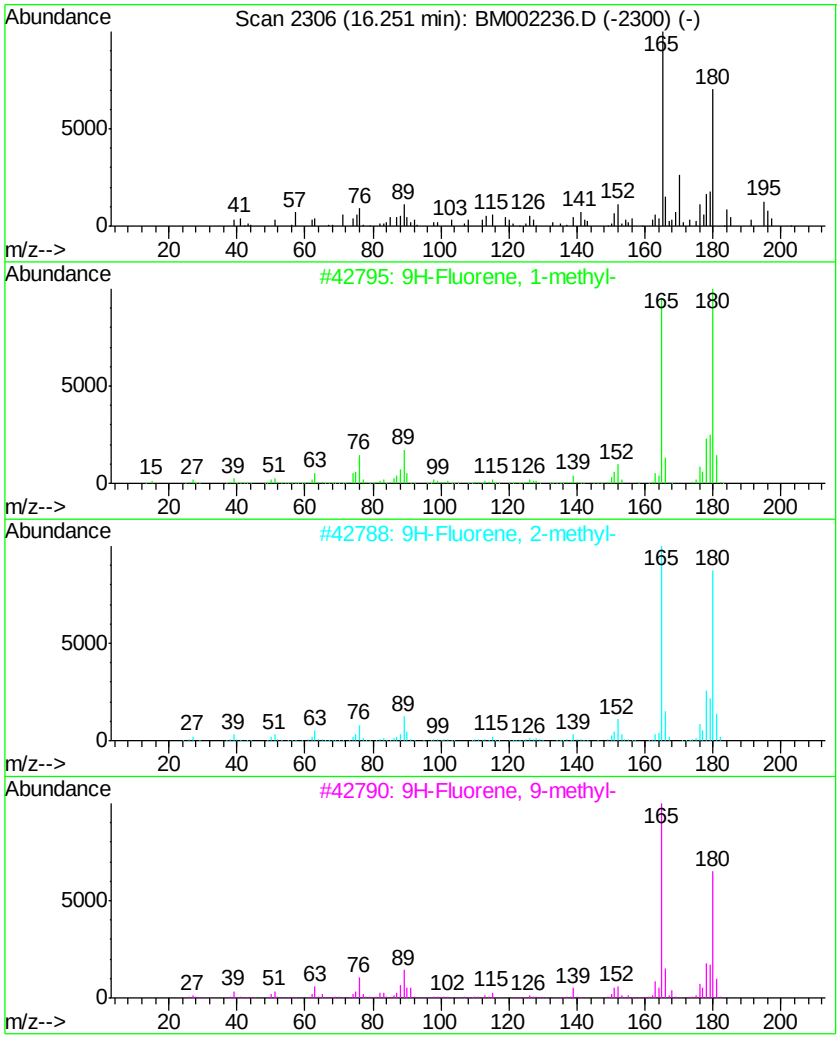
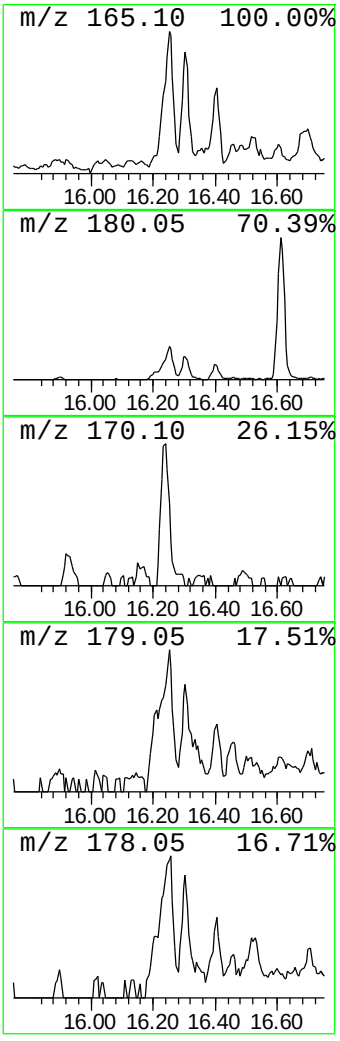
Peak Number 15 9H-Fluorene, 1-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.25	2.10 ng/ul	160645	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	93





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Operator : TP/UM
Sample : G3073-06RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01N6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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

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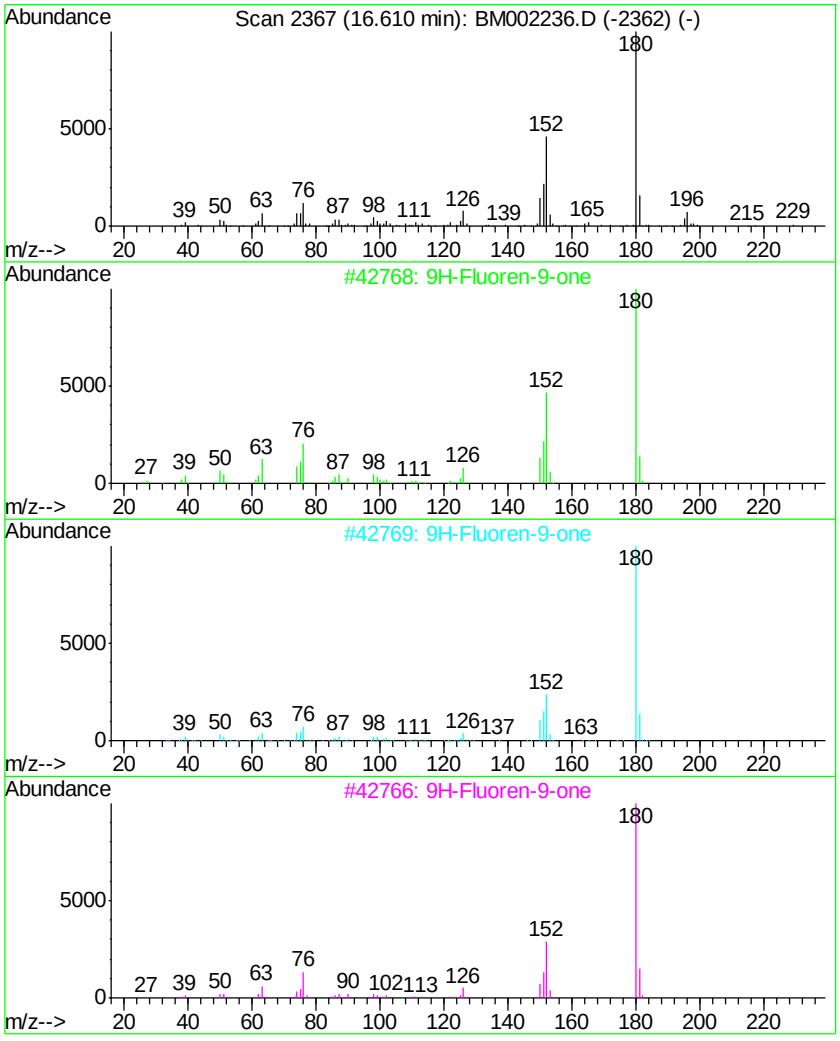
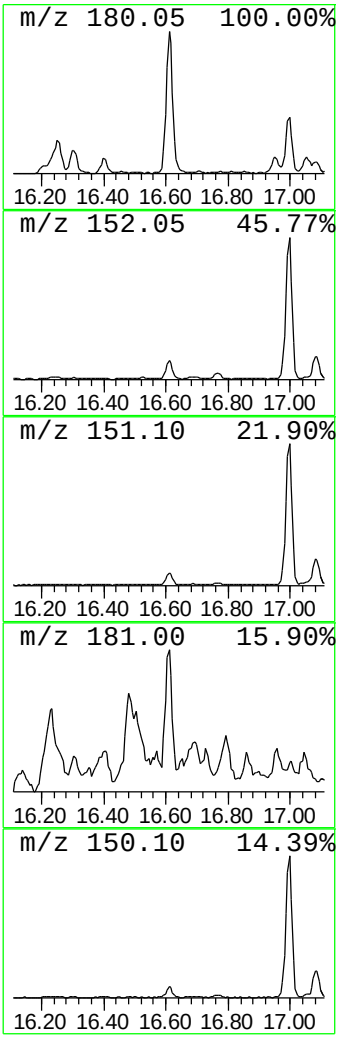
Peak Number 16 9H-Fluoren-9-one Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.61	2.34 ng/ul	178839	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	90
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	80





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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01N6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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

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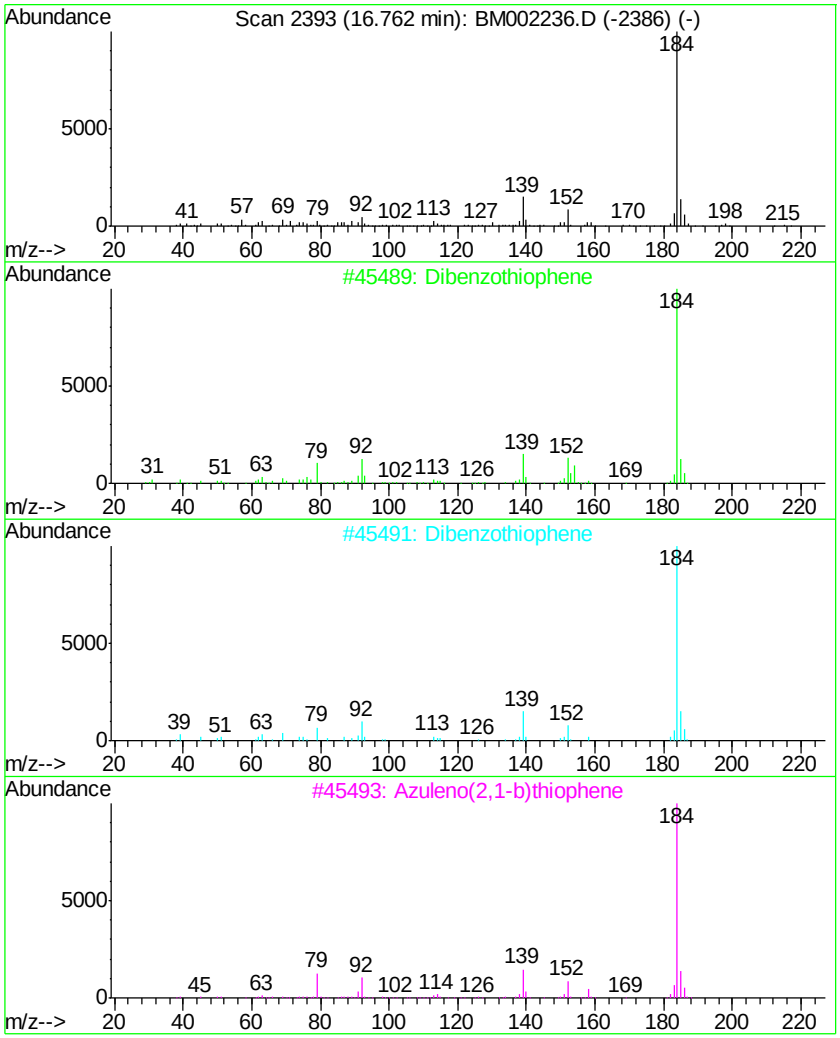
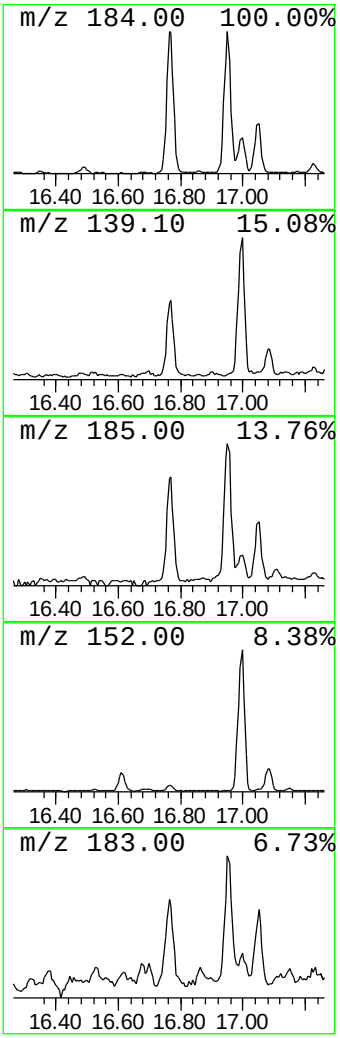
Peak Number 17 Dibenzothiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	4.67 ng/ul	356731	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
2	Dibenzothiophene	184	C12H8S	000132-65-0	93
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
5	Dibenzothiophene	184	C12H8S	000132-65-0	90





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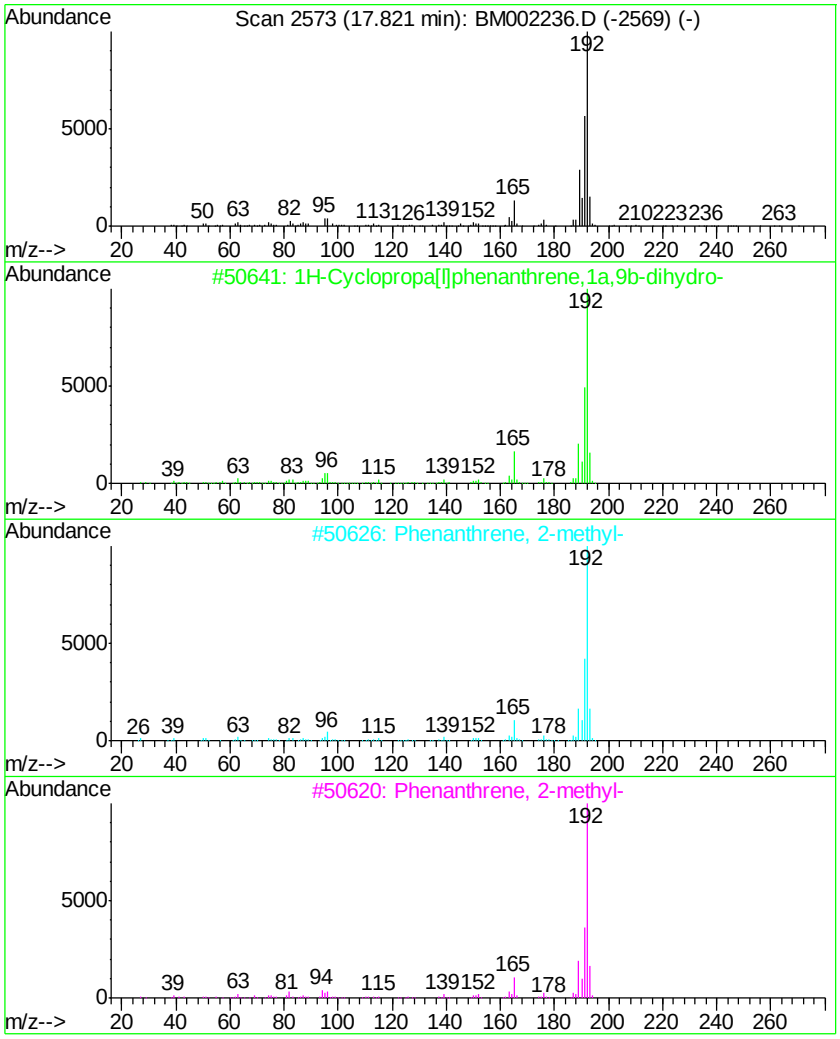
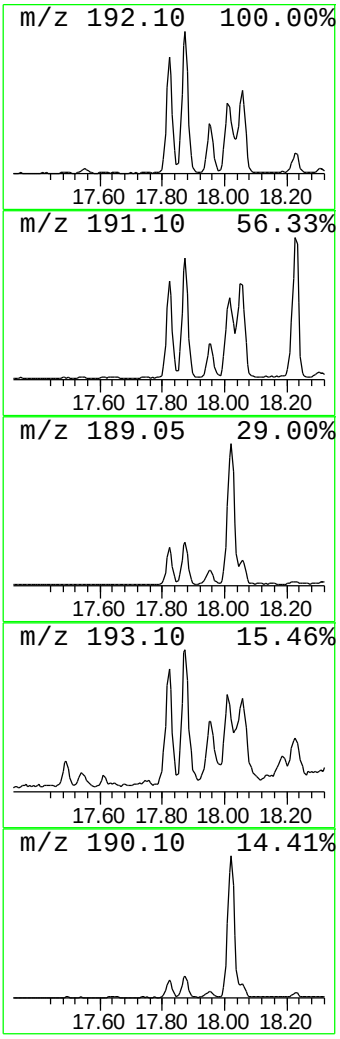
Peak Number 18 1H-Cyclopropa[l]phenanthren... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	5.68 ng/ul	433820	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





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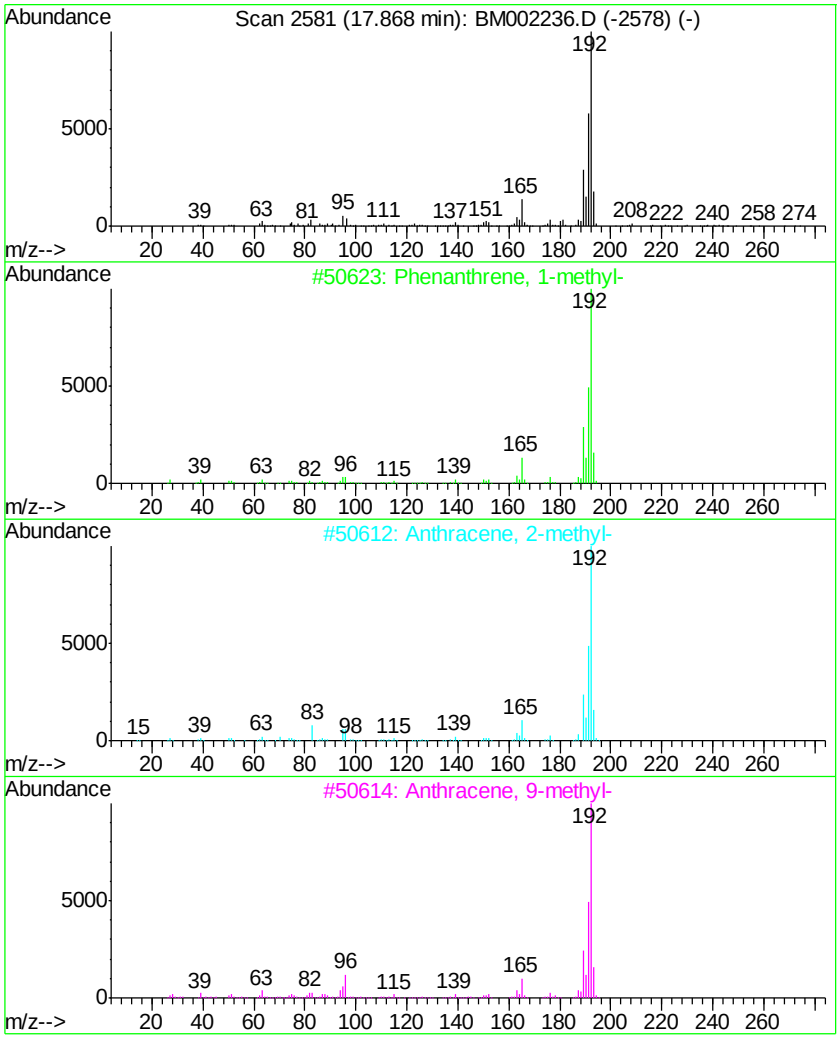
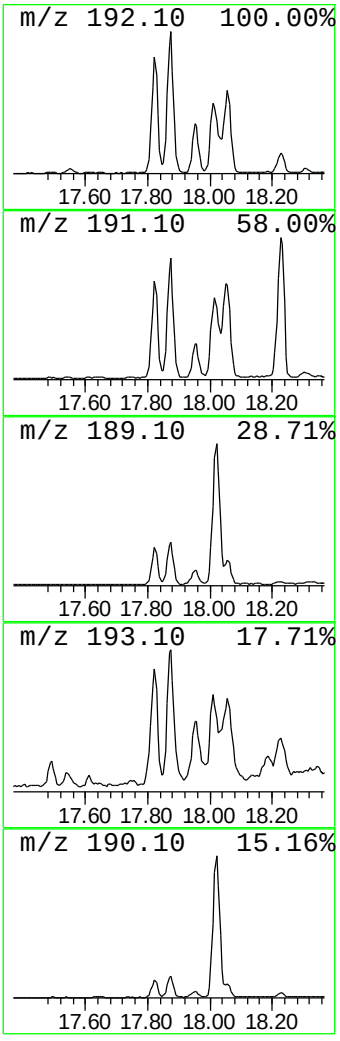
Peak Number 19 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	8.13 ng/ul	621004	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





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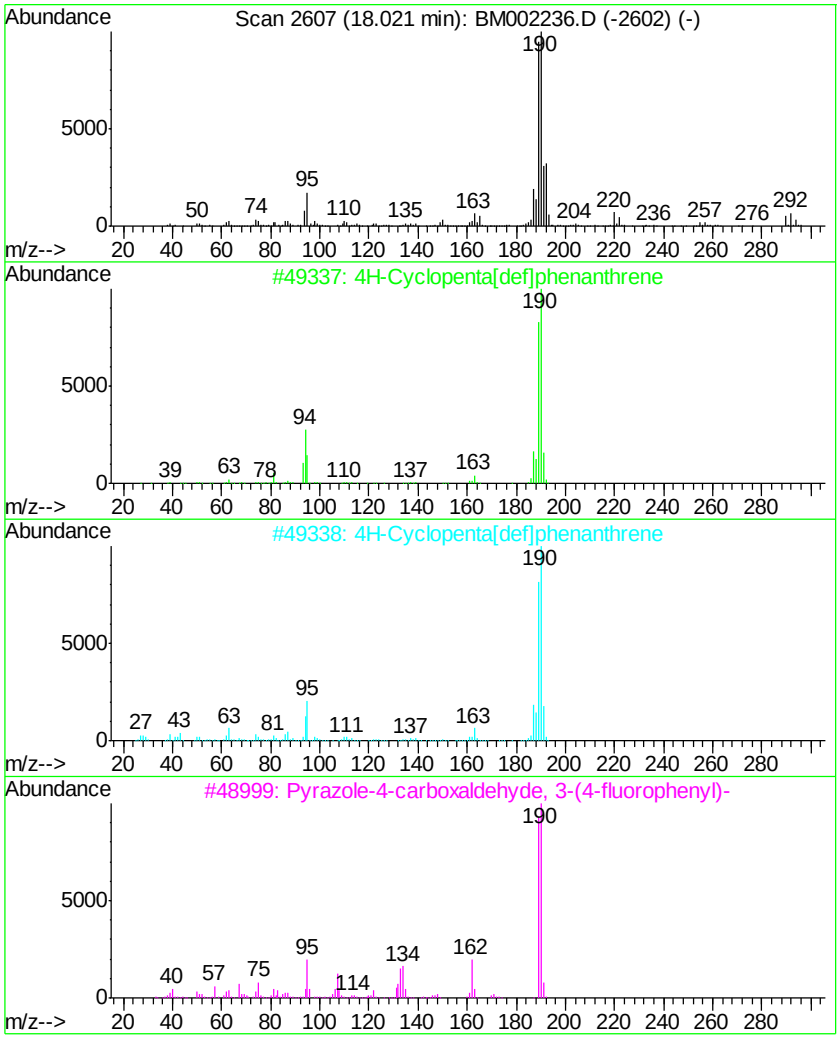
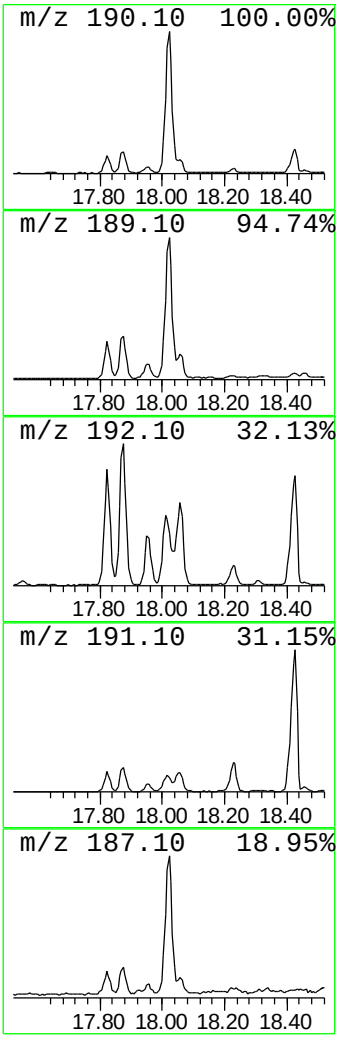
Peak Number 20 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	12.32 ng/ul	941224	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	49
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43





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ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01N6RE

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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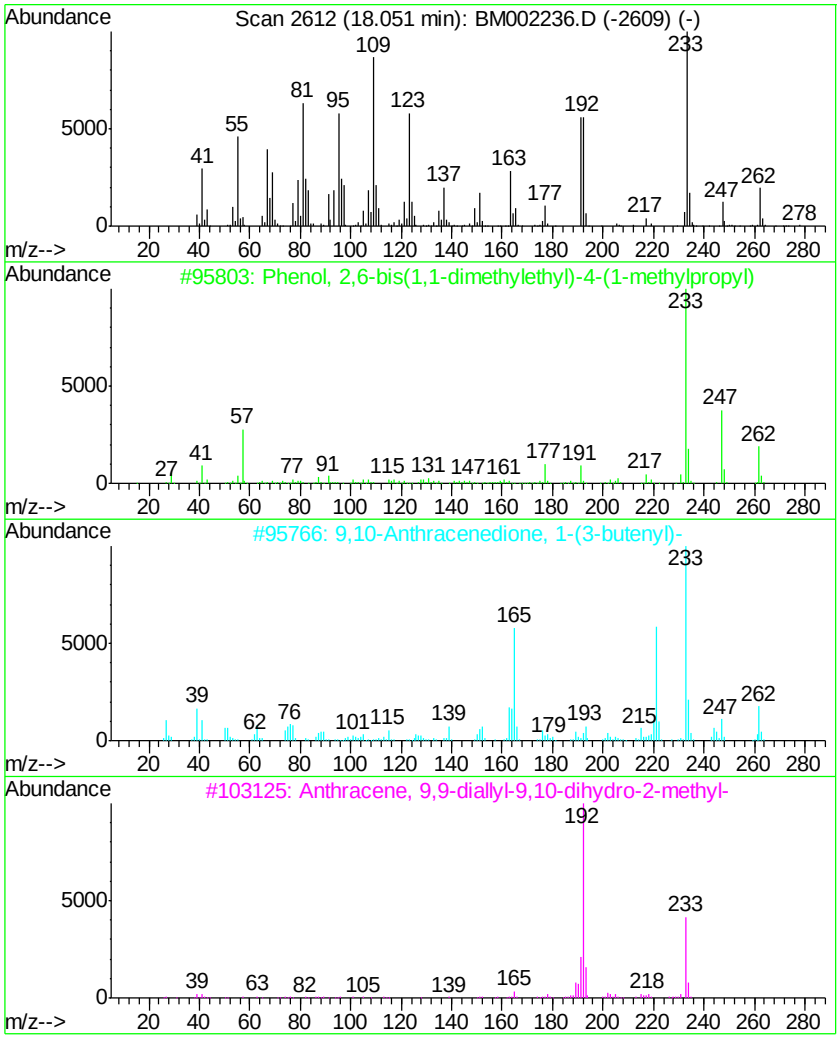
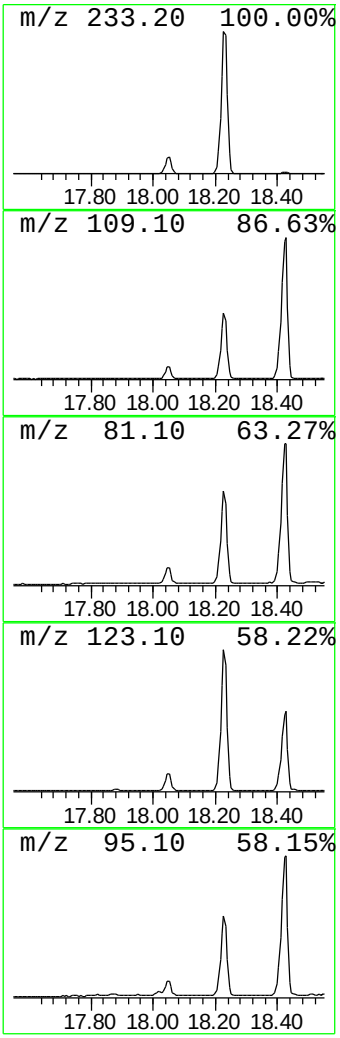
Peak Number 21 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	18.12 ng/ul	1384050	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,6-bis(1,1-dimethylethy...	262	C18H30O	017540-75-9	35
2	9,10-Anthracenedione, 1-(3-buten...	262	C18H14O2	037634-84-7	25
3	Anthracene, 9,9-diallyl-9,10-dih...	274	C21H22	1000157-15-7	22
4	18-Norabietane	262	C19H34	1000293-16-6	18
5	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	11





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Data File : BM002236.D
Acq On : 05 Aug 2015 17:18
Operator : TP/UM
Sample : G3073-06RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01N6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

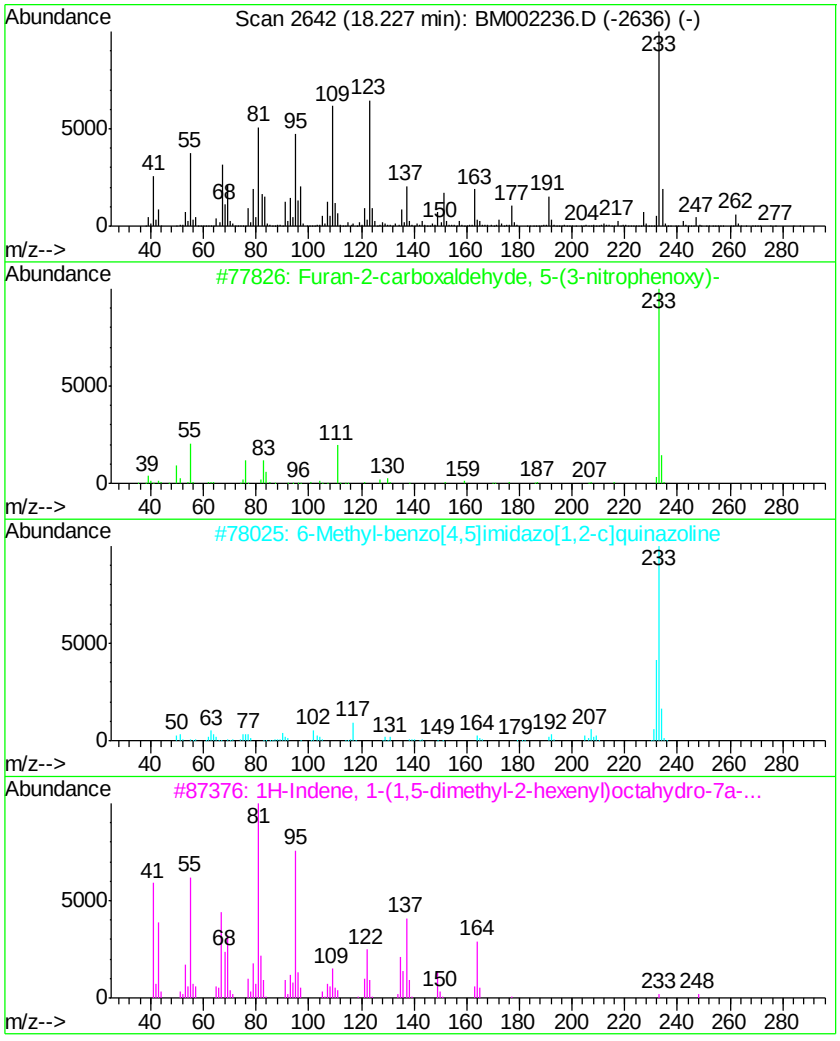
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

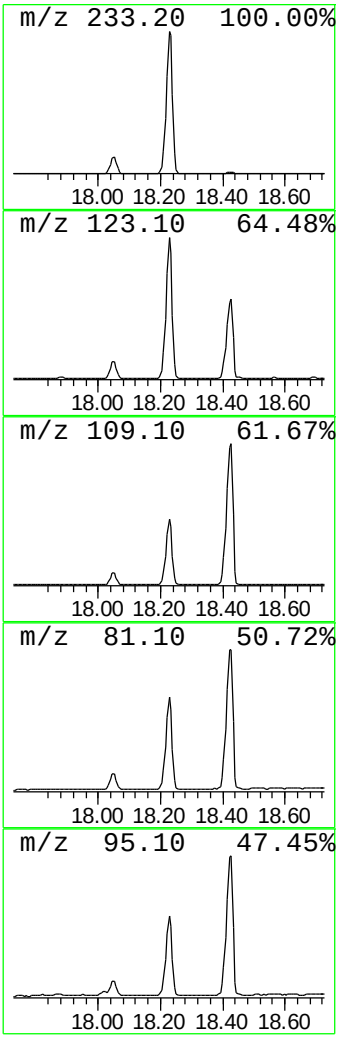
****

Peak Number 22 unknown-02 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	93.07 ng/ul	7110360	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan-2-carboxaldehyde, 5-(3-nit...	233	C11H7NO5	073420-62-9	22
2	6-Methyl-benzo[4,5]imidazo[1,2-c...	233	C15H11N3	066373-63-5	18
3	1H-Indene, 1-(1,5-dimethyl-2-hex...	248	C18H32	054411-95-9	15
4	18-Norabietane	262	C19H34	1000293-16-6	15
5	Cyclopentane, 1-methyl-1-(2-meth...	138	C10H18	074764-47-9	14





Library Search Compound Report

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Sample : G3073-06RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01N6RE

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Quant Title : SVOA CALIBRATION

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

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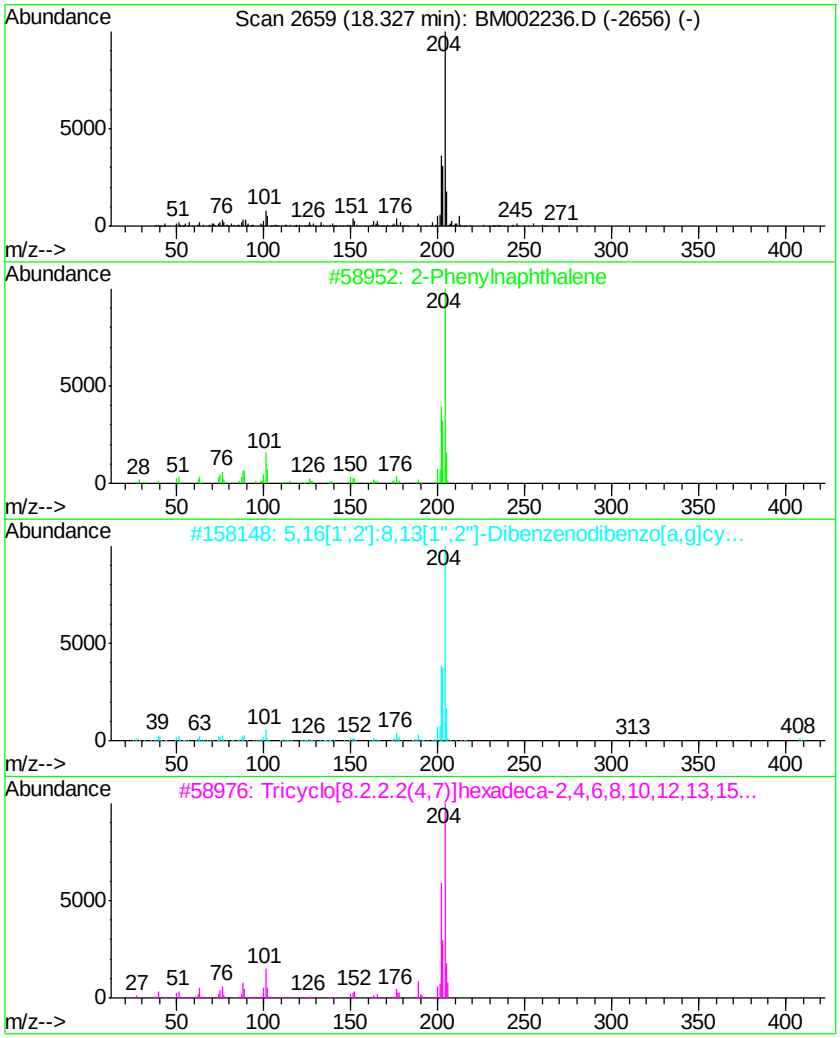
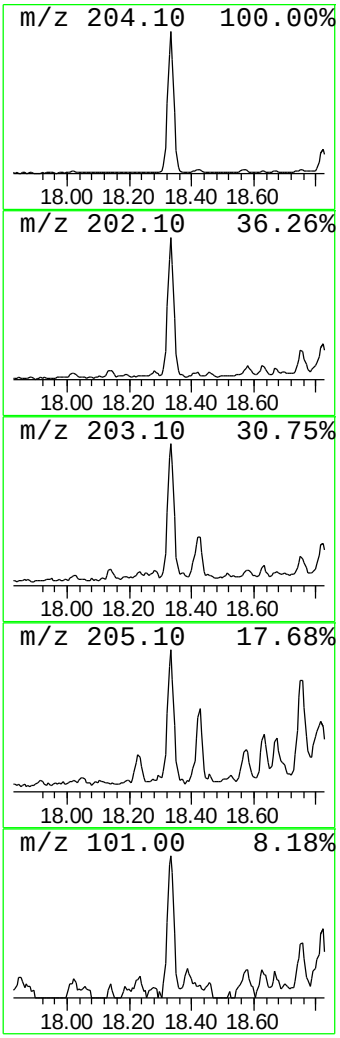
Peak Number 23 2-Phenylnaphthalene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	3.68 ng/ul	281408	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81





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Sample : G3073-06RE
Misc :
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Instrument : BNA_M
ClientSampleId : C01N6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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

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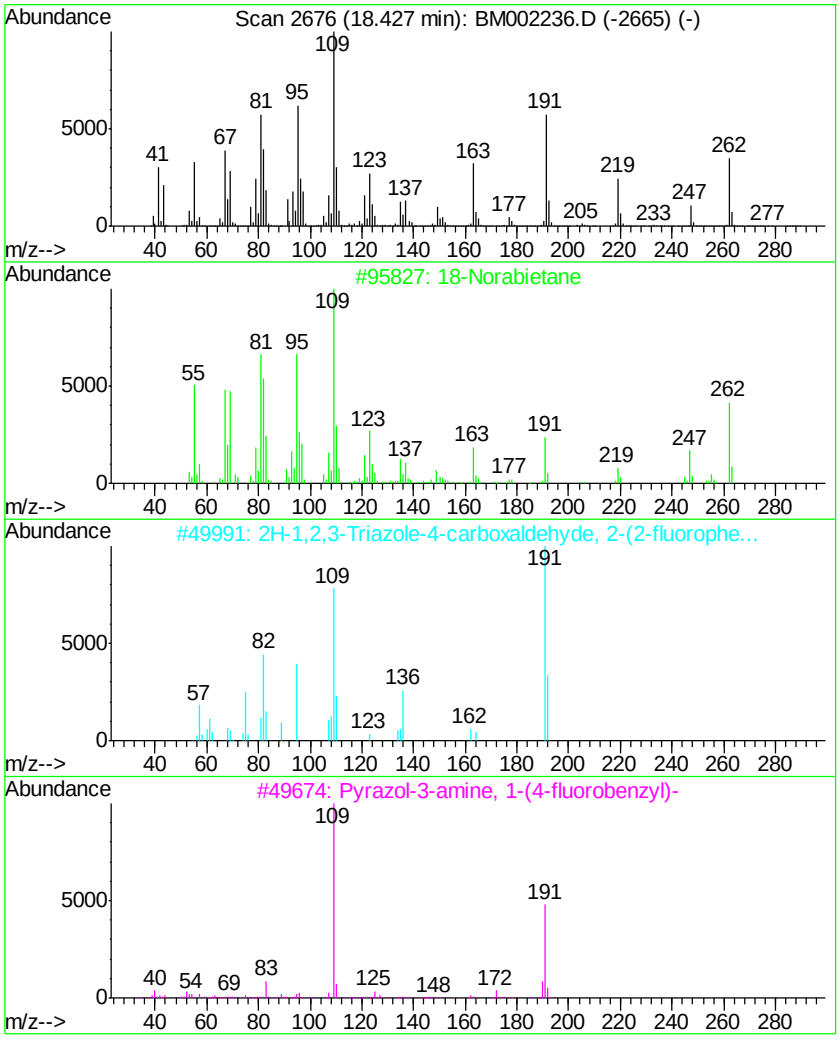
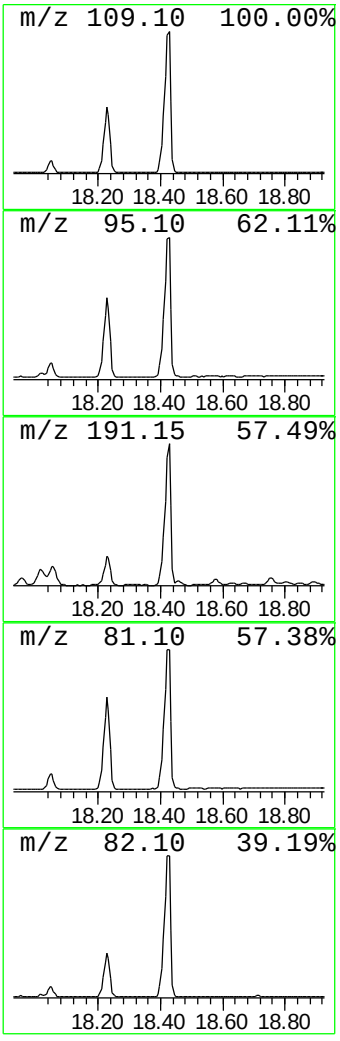
Peak Number 24 18-Norabietane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	146.53 ng/ul	11194100	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	18-Norabietane	262	C19H34	1000293-16-6	86
2	2H-1,2,3-Triazole-4-carboxaldehy...	191	C9H6FN3O	051306-43-5	52
3	Pyrazol-3-amine, 1-(4-fluorobenz...	191	C10H10FN3	1000272-83-2	35
4	Imidazole-4-carboxylic acid, 1-m...	154	C7H10N2O2	041507-56-6	22
5	Bicyclo[2.2.2]oct-2-ene, 1-methy...	137	C9H15N	1000217-10-9	14





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ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01N6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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

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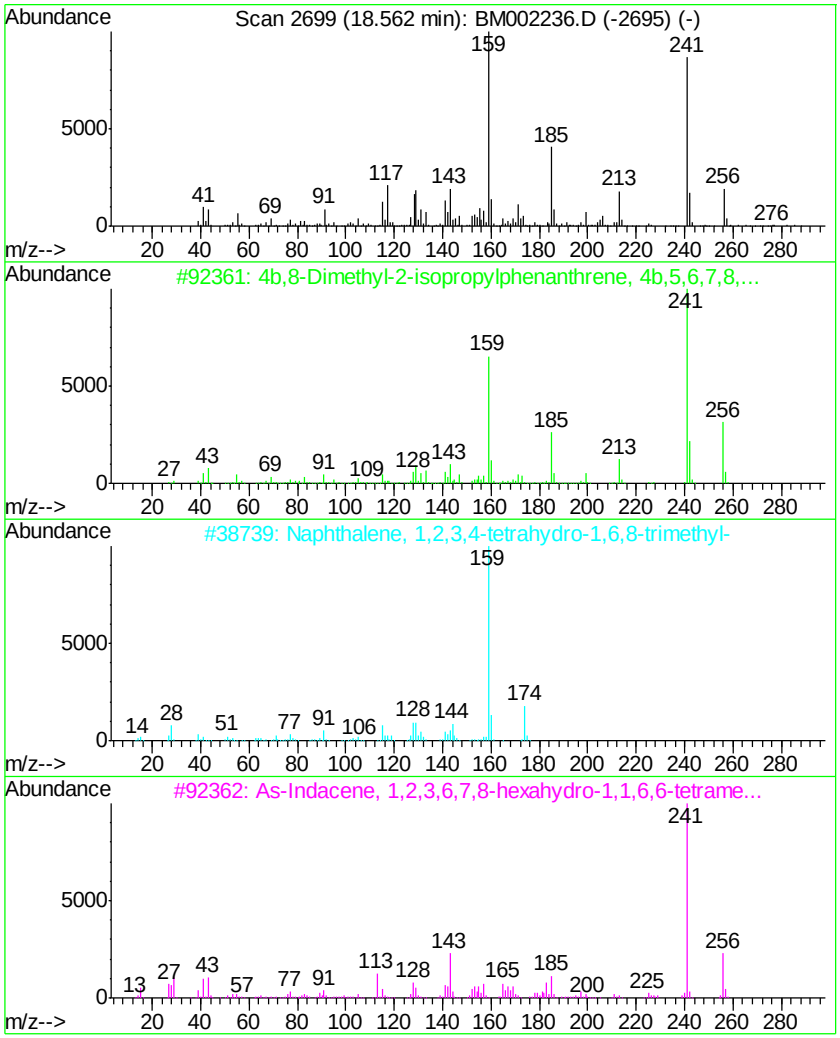
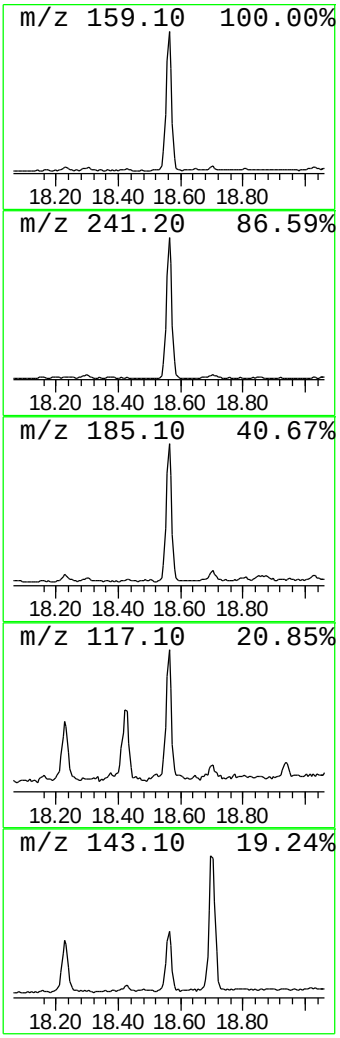
Peak Number 25 4b,8-Dimethyl-2-isopropylph... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	9.57 ng/ul	731181	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	97
2	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	030316-36-0	35
3	As-Indacene, 1,2,3,6,7,8-hexahyd...	256	C19H28	017465-47-3	30
4	Uracil, 5-(p-cyanophenyl)-1,3-di...	241	C13H11N3O2	1000164-78-4	30
5	1-Phenanthrenecarboxaldehyde, 1,...	284	C20H28O	024035-50-5	27





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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01N6RE

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Quant Title : SVOA CALIBRATION

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

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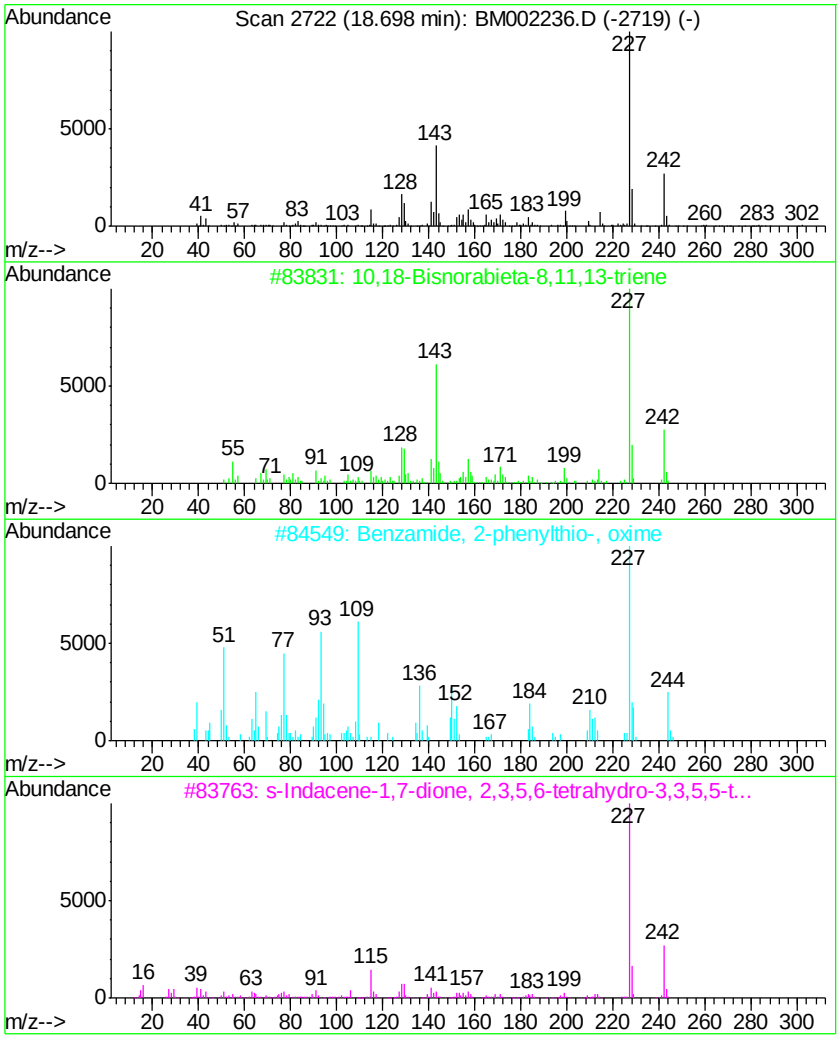
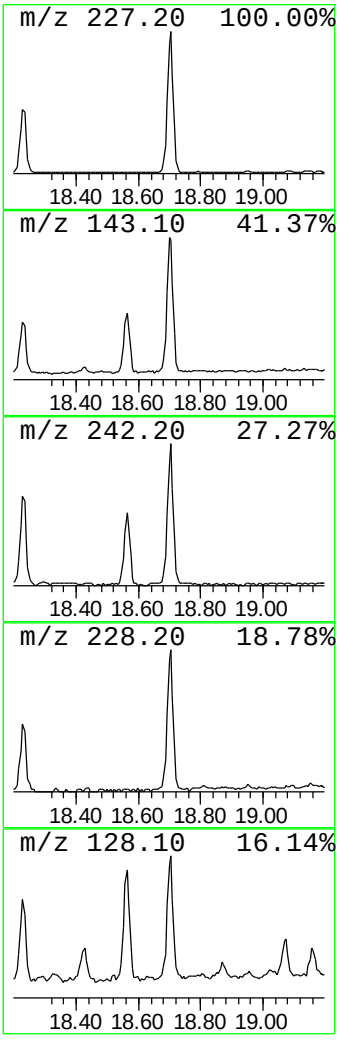
Peak Number 26 10,18-Bisnorabieta-8,11,13-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.70	6.03 ng/ul	460565	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-8,11,13-triene	242	C18H26	032624-67-2	94
2	Benzamide, 2-phenylthio-, oxime	244	C13H12N2OS	117596-54-0	90
3	s-Indacene-1,7-dione, 2,3,5,6-te...	242	C16H18O2	055591-17-8	87
4	Dicyclopenta[a,d]benzene, 4,8-di...	242	C18H26	1000156-41-6	64
5	1,4-Naphthalenedione, 2-hydroxy-...	242	C15H14O3	000084-79-7	62





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ClientSampleId : C01N6RE

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Quant Title : SVOA CALIBRATION

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

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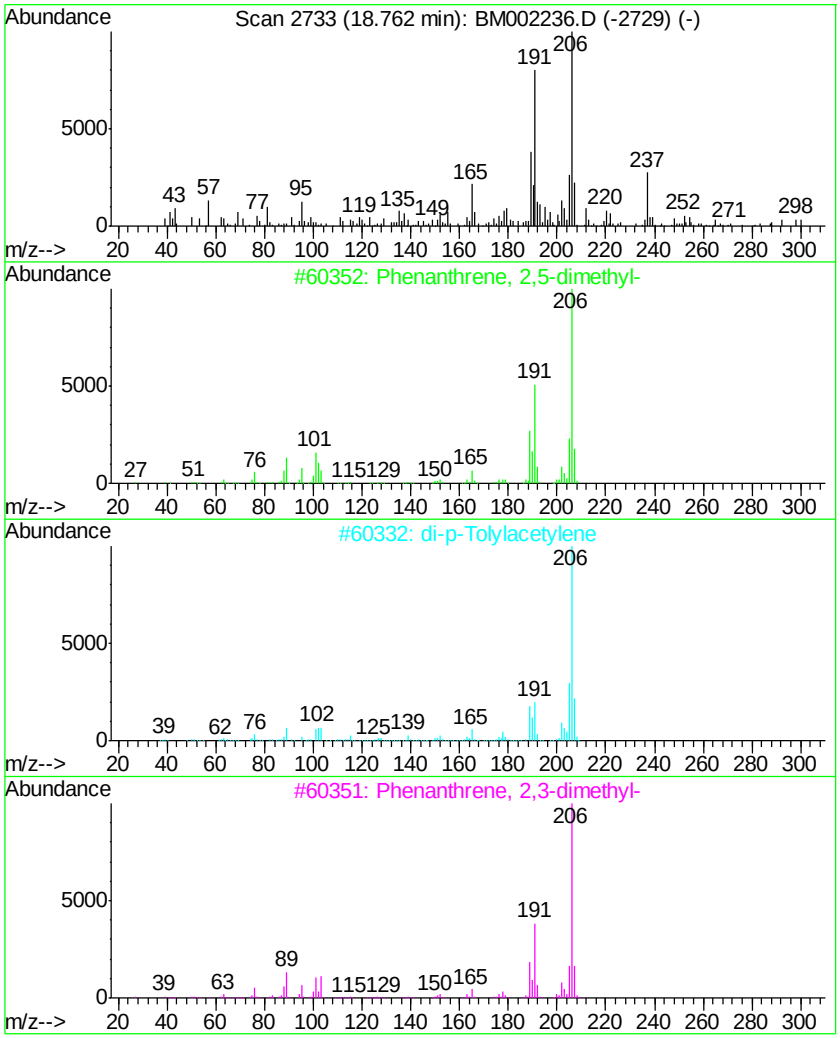
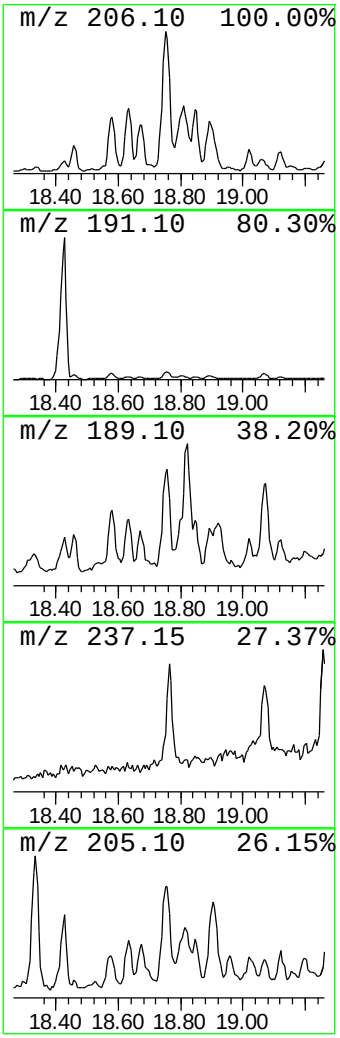
Peak Number 27 Phenanthrene, 2,5-dimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.76	2.16 ng/ul	165183	Phenanthrene-d10	16.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81





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Operator : TP/UM
Sample : G3073-06RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01N6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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

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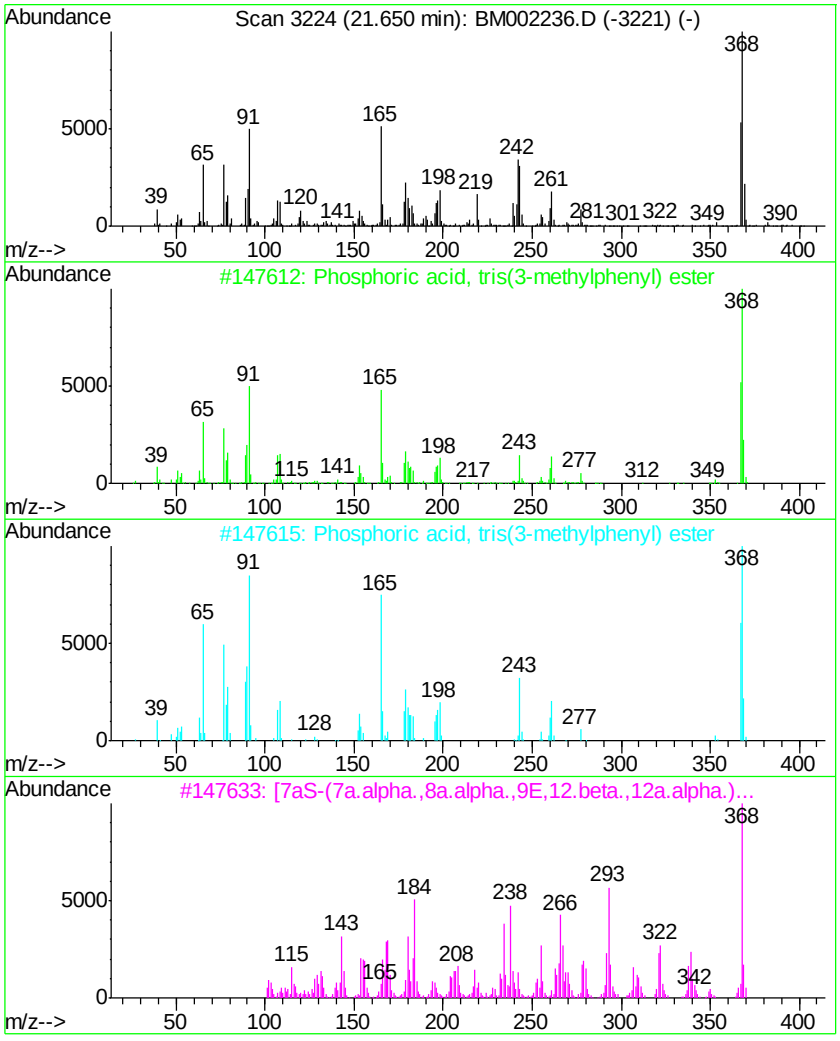
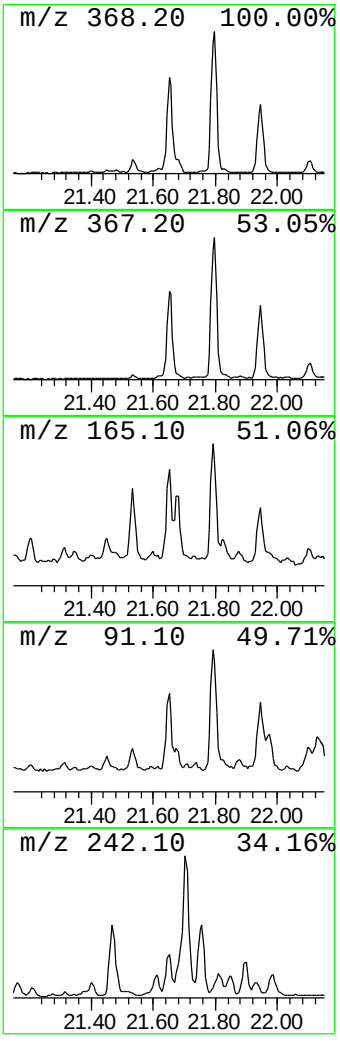
Peak Number 28 Phosphoric acid, tris(3-met... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.65	3.62 ng/ul	731026	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	99
2	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	98
3	[7aS-(7a.alpha.,8a.alpha.,9E,12....	368	C21H24N2O4	030809-15-5	68
4	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	49
5	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	49





Library Search Compound Report

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Sample : G3073-06RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01N6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.M
Quant Title : SVOA CALIBRATION

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

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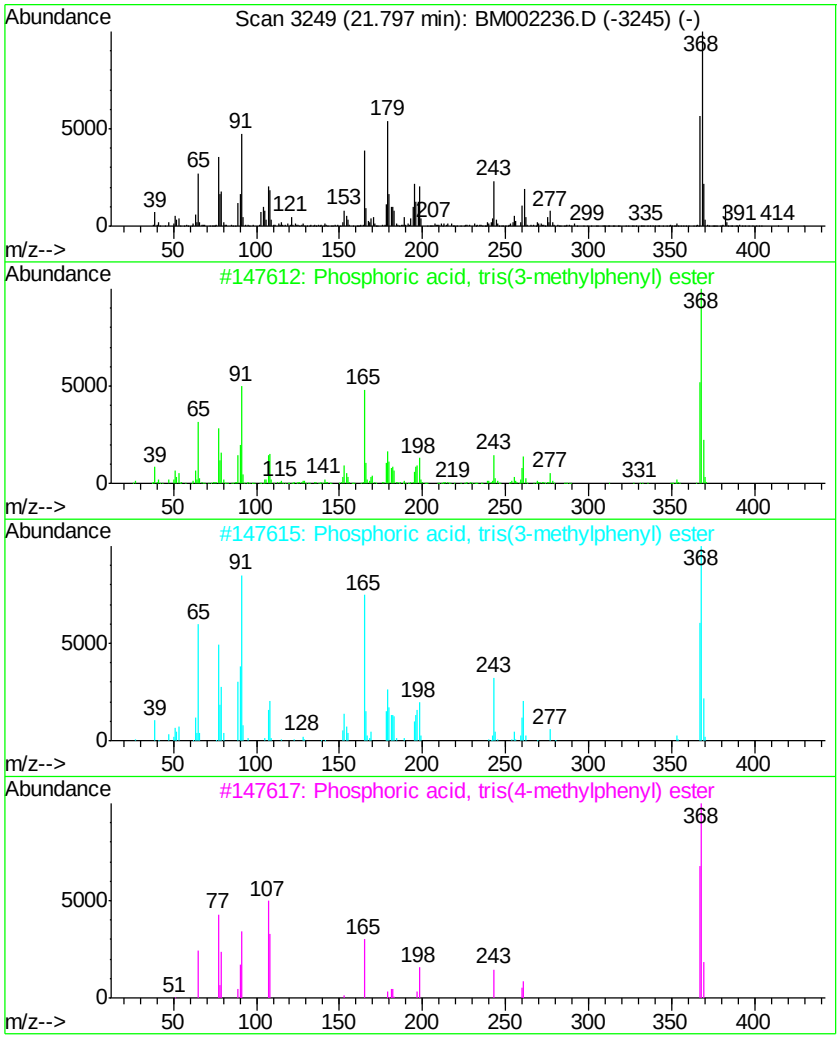
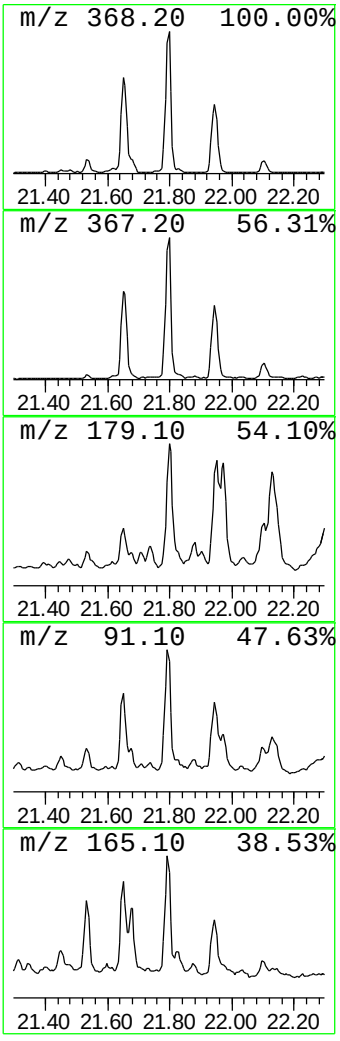
Peak Number 29 Phosphoric acid, tris(4-met... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.80	6.29 ng/ul	1268200	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	99
2	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	98
3	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	90
4	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	86
5	Phosphoric acid, tris(2-methylph...	368	C21H21O4P	000078-30-8	46





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Misc :
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Instrument : BNA_M
ClientSampleId : C01N6RE

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Quant Title : SVOA CALIBRATION

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

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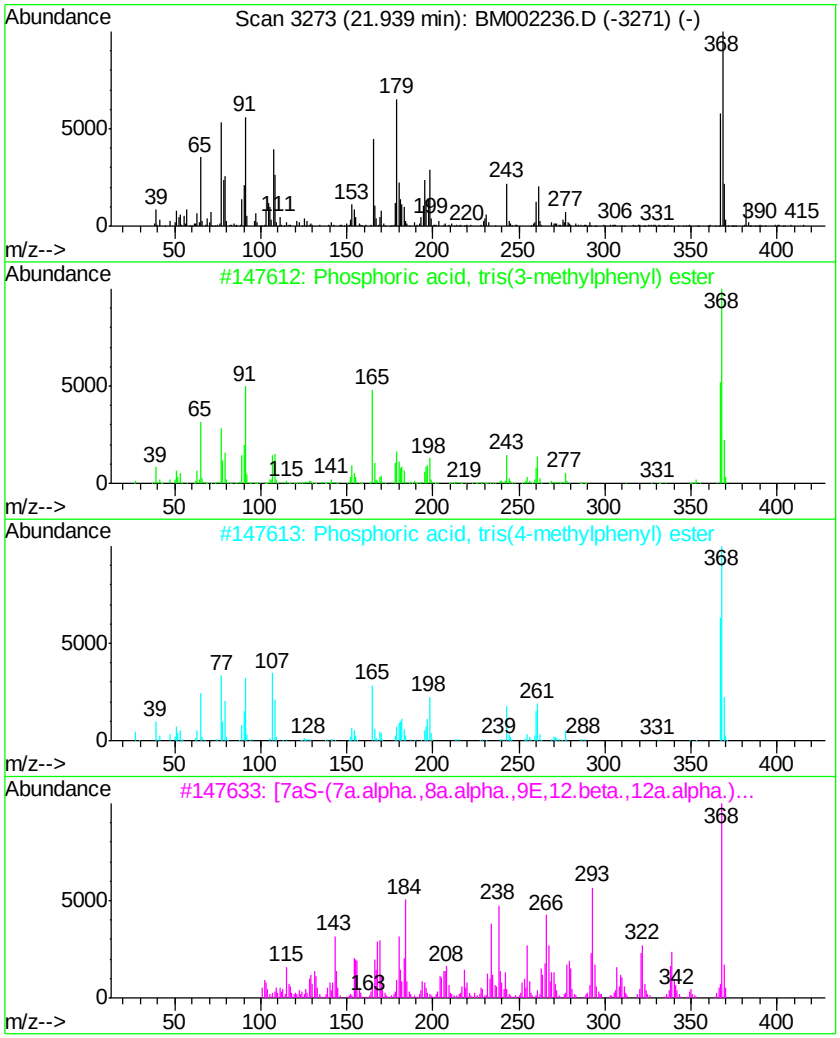
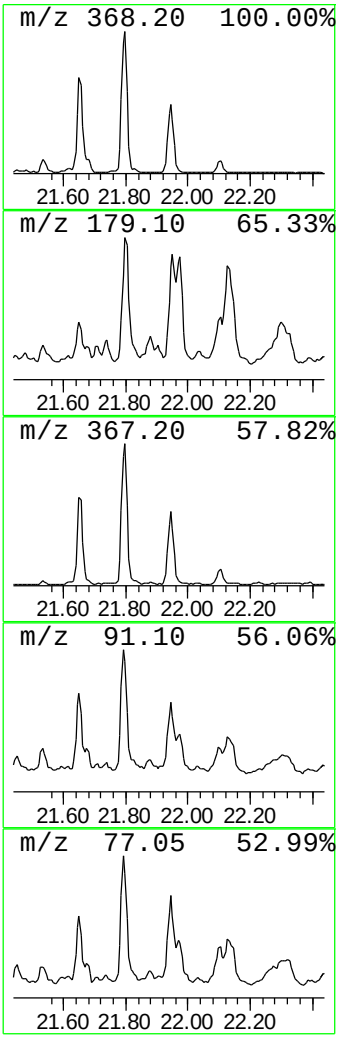
Peak Number 30 [7aS-(7a.alpha.,8a.alpha.,9... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.94	3.21 ng/ul	648576	Chrysene-d12	21.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	96
2	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	93
3	[7aS-(7a.alpha.,8a.alpha.,9E,12....	368	C21H24N2O4	030809-15-5	90
4	Phosphoric acid, tris(3-methylph...	368	C21H21O4P	000563-04-2	70
5	Phosphoric acid, tris(4-methylph...	368	C21H21O4P	000078-32-0	64





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Quant Title : SVOA CALIBRATION

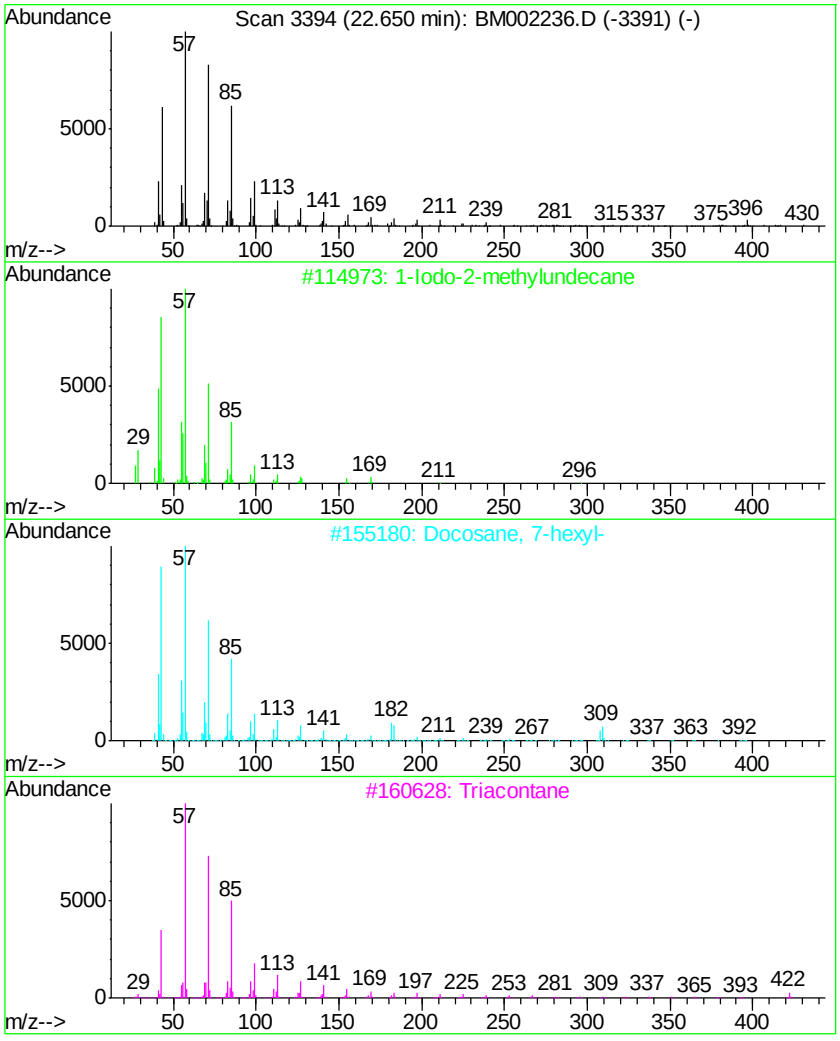
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

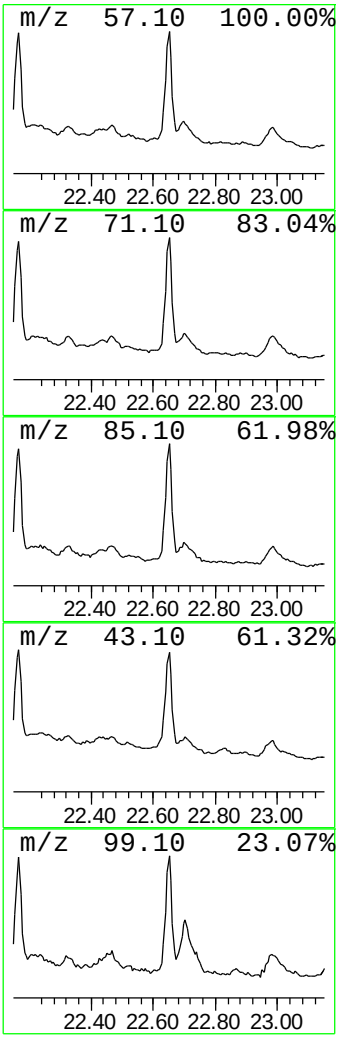
****

Peak Number 31 1-Iodo-2-methylundecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.65	16.16 ng/ul	751324	Perylene-d12	23.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	94
2	Docosane, 7-hexyl-	394	C28H58	055373-86-9	93
3	Triacontane	422	C30H62	000638-68-6	91
4	Heneicosane	296	C21H44	000629-94-7	91
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91





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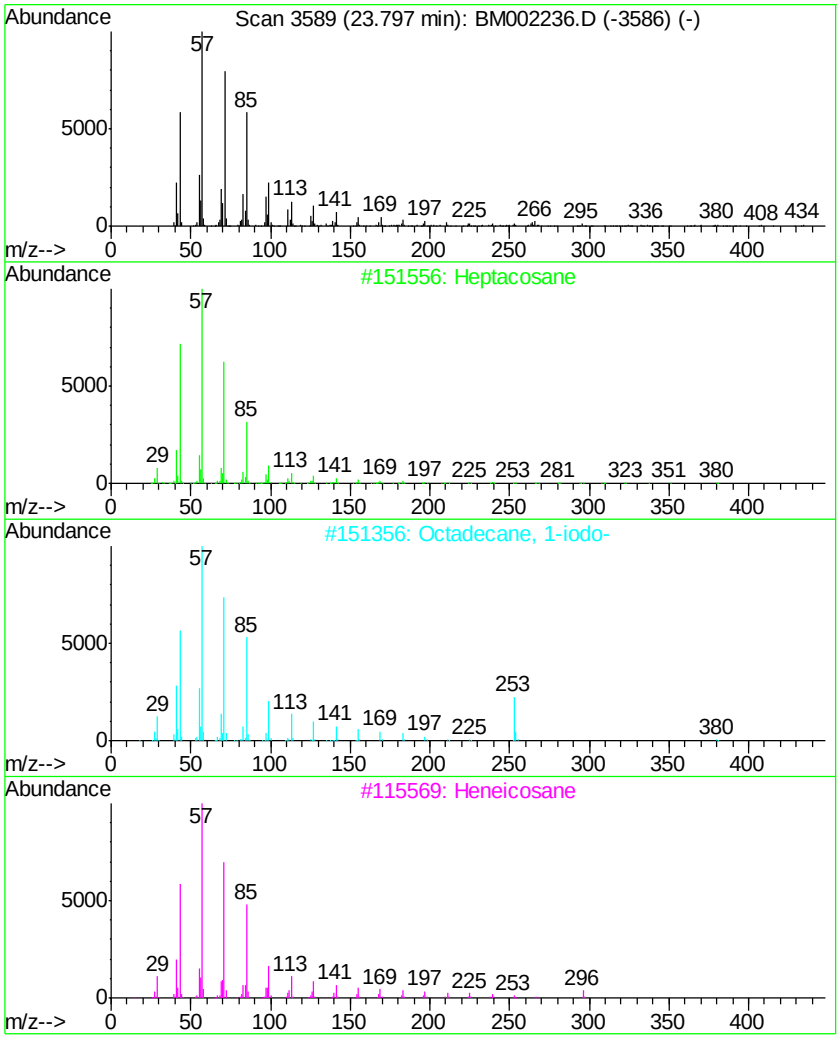
Quant Title : SVOA CALIBRATION

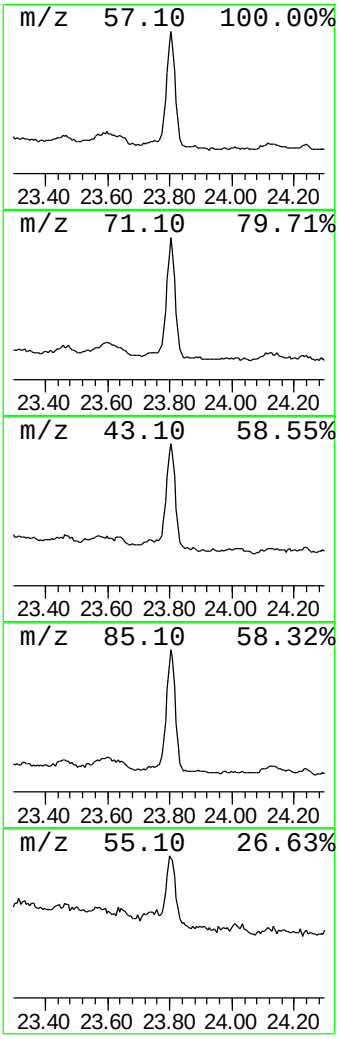
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.80	25.31 ng/ul	1176580	Perylene-d12	23.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	98
2	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	97
3	Heneicosane	296	C21H44	000629-94-7	90
4	Octadecane, 2-methyl-	268	C19H40	001560-88-9	90
5	Docosane	310	C22H46	000629-97-0	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080515\
Data File : BM002236.D
Acq On : 05 Aug 2015 17:18
Operator : TP/UM
Sample : G3073-06RE
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01N6RE

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080415.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
Methyl Isobutyl K...	3.30	4.9	ng/ul	120560	1	7.51	493719	20.0
Benzene, 1,3-dime...	5.15	11.6	ng/ul	286669	1	7.51	493719	20.0
Benzene, 1-ethyl-...	6.59	4.0	ng/ul	98628	1	7.51	493719	20.0
Benzene, (1-methy...	6.65	2.9	ng/ul	72654	1	7.51	493719	20.0
Benzene, 1,2,3-tr...	7.15	11.9	ng/ul	292975	1	7.51	493719	20.0
Benzene, 1,4-diet...	7.99	2.2	ng/ul	55096	1	7.51	493719	20.0
Benzene, 1,2-diet...	8.15	4.5	ng/ul	112184	1	7.51	493719	20.0
Benzene, 1-ethyl-...	8.60	5.9	ng/ul	144745	1	7.51	493719	20.0
Benzene, 1,2,4,5-...	9.13	2.5	ng/ul	97175	2	10.30	781850	20.0
(DEL) Alkane: Str...	15.93	2.8	ng/ul	213465	4	16.95	1527900	20.0
9H-Fluorene, 1-me...	16.25	2.1	ng/ul	160645	4	16.95	1527900	20.0
9H-Fluoren-9-one	16.61	2.3	ng/ul	178839	4	16.95	1527900	20.0
Dibenzothiophene	16.76	4.7	ng/ul	356731	4	16.95	1527900	20.0
1H-Cyclopropa[l]p...	17.82	5.7	ng/ul	433820	4	16.95	1527900	20.0
Phenanthrene, 1-m...	17.87	8.1	ng/ul	621004	4	16.95	1527900	20.0
4H-Cyclopenta[def...	18.02	12.3	ng/ul	941224	4	16.95	1527900	20.0
unknown-01	18.05	18.1	ng/ul	1384050	4	16.95	1527900	20.0
unknown-02	18.23	93.1	ng/ul	7110360	4	16.95	1527900	20.0
2-Phenylnaphthalene	18.33	3.7	ng/ul	281408	4	16.95	1527900	20.0
18-Norabietane	18.43	146.5	ng/ul	11194100	4	16.95	1527900	20.0
4b,8-Dimethyl-2-i...	18.56	9.6	ng/ul	731181	4	16.95	1527900	20.0
10,18-Bisnorabiet...	18.70	6.0	ng/ul	460565	4	16.95	1527900	20.0
Phenanthrene, 2,5...	18.76	2.2	ng/ul	165183	4	16.95	1527900	20.0
Phosphoric acid, ...	21.65	3.6	ng/ul	731026	5	21.17	4034740	20.0
Phosphoric acid, ...	21.80	6.3	ng/ul	1268200	5	21.17	4034740	20.0
[7aS-(7a.alpha.,8...	21.94	3.2	ng/ul	648576	5	21.17	4034740	20.0
1-Iodo-2-methylun...	22.65	16.2	ng/ul	751324	6	23.36	929735	20.0
(DEL) Alkane: Str...	23.80	25.3	ng/ul	1176580	6	23.36	929735	20.0