LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005245.D
Acq On : 05 May 2016 21:28
Operator : UM/SJ
Sample : H2813-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P2

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.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	5.434	460	467	482	rBV	87968	195760	1.38%	0.187%
2	6.946	716	724	729	rVV2	83662	171757	1.21%	0.164%
3	7.110	746	752	758	rBV	286064	451728	3.19%	0.431%
4	7.305	780	785	796	rBV	291155	481399	3.40%	0.459%
5	7.422	799	805	812	rBV	196589	306332	2.16%	0.292%
6	7.499	812	818	826	rVB	195825	324992	2.29%	0.310%
7	7.775	856	865	876	rBV	311132	513499	3.63%	0.490%
8	8.146	920	928	937	rVB	549221	883412	6.24%	0.843%
9	8.304	949	955	967	rVB	1188358	2024008	14.29%	1.932%
10	8.475	979	984	997	rVB	254938	435245	3.07%	0.415%
11	8.934	1056	1062	1075	rVB2	383209	747995	5.28%	0.714%
12	9.122	1088	1094	1103	rVB	376250	598145	4.22%	0.571%
13	9.240	1103	1114	1121	rVV	268616	654866	4.62%	0.625%
14	9.310	1121	1126	1135	rVV	148926	250632	1.77%	0.239%
15	9.651	1178	1184	1196	rVB	323229	545322	3.85%	0.520%
16	9.810	1206	1211	1223	rVB	107352	179719	1.27%	0.172%
17	9.963	1230	1237	1248	rBV3	179089	445156	3.14%	0.425%
18	10.193	1269	1276	1285	rVB2	525005	941265	6.65%	0.898%
19	10.569	1330	1340	1342	rBV	409430	757574	5.35%	0.723%
20	10.640	1342	1352	1358	rVV	5511300	14164437	100.00%	13.518%
21	10.740	1361	1369	1377	rVV	1644661	2853578	20.15%	2.723%
22	11.675	1520	1528	1537	rBV2	140873	298320	2.11%	0.285%
23	11.951	1569	1575	1583	rBV	97530	158321	1.12%	0.151%
24	12.122	1598	1604	1612	rVB	214210	357817	2.53%	0.341%
25	12.234	1612	1623	1629	rBV	3381765	6161994	43.50%	5.881%
26	12.345	1636	1642	1648	rBV	124705	216827	1.53%	0.207%
27	12.451	1648	1660	1669	rVB	2498803	4421921	31.22%	4.220%
28	13.245	1786	1795	1808	rBV	1386149	2149929	15.18%	2.052%
29	13.439	1822	1828	1840	rVB	338229	627668	4.43%	0.599%
30	13.586	1840	1853	1861	rBV2	430795	1186355	8.38%	1.132%
31	13.734	1870	1878	1883	rBV	632434	1153744	8.15%	1.101%
32	13.786	1883	1887	1890	rVV	419618	641398	4.53%	0.612%
33	13.828	1890	1894	1903	rVB	918574	1350250	9.53%	1.289%
34	13.969	1912	1918	1922	rBV	244383	385798	2.72%	0.368%

LSC Area Percent Report

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Acq On : 05 May 2016 21:28
Operator : UM/SJ
Sample : H2813-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P2

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Title : SVOA CALIBRATION

35	14.110	1935	1942	1953	rBV2	1042341	2087670	14.74%	1.992%
36	14.416	1983	1994	1999	rBV3	771035	1580577	11.16%	1.508%
37	14.486	1999	2006	2012	rVV	3364356	5652785	39.91%	5.395%
38	14.551	2012	2017	2023	rVB	175277	252942	1.79%	0.241%
39	14.628	2023	2030	2039	rBV3	103998	220788	1.56%	0.211%
40	14.728	2039	2047	2051	rVB	128671	207574	1.47%	0.198%
41	14.822	2056	2063	2070	rVV	2757550	4537265	32.03%	4.330%
42	15.028	2088	2098	2104	rBV3	66249	142419	1.01%	0.136%
43	15.410	2148	2163	2168	rBV	1352390	2261984	15.97%	2.159%
44	15.469	2168	2173	2181	rVV	2683389	4446414	31.39%	4.244%
45	15.539	2181	2185	2191	rVV2	519580	820683	5.79%	0.783%
46	15.586	2191	2193	2196	rVV3	132257	175542	1.24%	0.168%
47	15.628	2196	2200	2205	rVB2	223885	315979	2.23%	0.302%
48	15.757	2218	2222	2232	rVB	291859	483818	3.42%	0.462%
49	15.904	2243	2247	2256	rVB	311336	613750	4.33%	0.586%
50	16.163	2277	2291	2301	rBV2	667327	1707035	12.05%	1.629%
51	16.257	2301	2307	2315	rBV2	87728	159524	1.13%	0.152%
52	16.345	2316	2322	2327	rBV	517436	818920	5.78%	0.782%
53	16.445	2334	2339	2341	rBV	118242	173294	1.22%	0.165%
54	16.739	2373	2389	2396	rBV	365914	1191034	8.41%	1.137%
55	16.980	2425	2430	2437	rVB	453398	660613	4.66%	0.630%
56	17.069	2437	2445	2447	rBV	527320	978488	6.91%	0.934%
57	17.092	2447	2449	2456	rVV	529944	833298	5.88%	0.795%
58	17.169	2456	2462	2465	rVV	1011079	1772351	12.51%	1.691%
59	17.216	2465	2470	2474	rVV	3841103	6349020	44.82%	6.059%
60	17.269	2474	2479	2483	rVV2	1669205	2701461	19.07%	2.578%
61	17.298	2483	2484	2490	rVB	379223	323014	2.28%	0.308%
62	17.527	2515	2523	2526	rBV	202175	421251	2.97%	0.402%
63	17.569	2526	2530	2536	rVB	923708	1324190	9.35%	1.264%
64	18.039	2605	2610	2614	rBV	157779	238261	1.68%	0.227%
65	18.086	2614	2618	2623	rVB	298426	415581	2.93%	0.397%
66	18.239	2637	2644	2648	rBV	398188	660997	4.67%	0.631%
67	19.227	2806	2812	2818	rVB	1000007	1464939	10.34%	1.398%
68	19.451	2841	2850	2860	rBV3	64252	181599	1.28%	0.173%
69	19.563	2863	2869	2872	rBV2	2031669	3042895	21.48%	2.904%
70	19.592	2872	2874	2882	rVB	659825	752283	5.31%	0.718%
71	19.968	2933	2938	2945	rVB	205992	286648	2.02%	0.274%

LSC Area Percent Report

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Acq On : 05 May 2016 21:28
Operator : UM/SJ
Sample : H2813-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P2

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Title : SVOA CALIBRATION

72	21.357	3167	3174	3179	rBV	1616395	2302692	16.26%	2.198%
73	21.839	3251	3256	3264	rBV	126365	205360	1.45%	0.196%
74	23.492	3528	3537	3549	rVB2	1490193	2890420	20.41%	2.759%
75	23.633	3553	3561	3575	rVB2	1059997	2088871	14.75%	1.994%

Sum of corrected areas: 104781392

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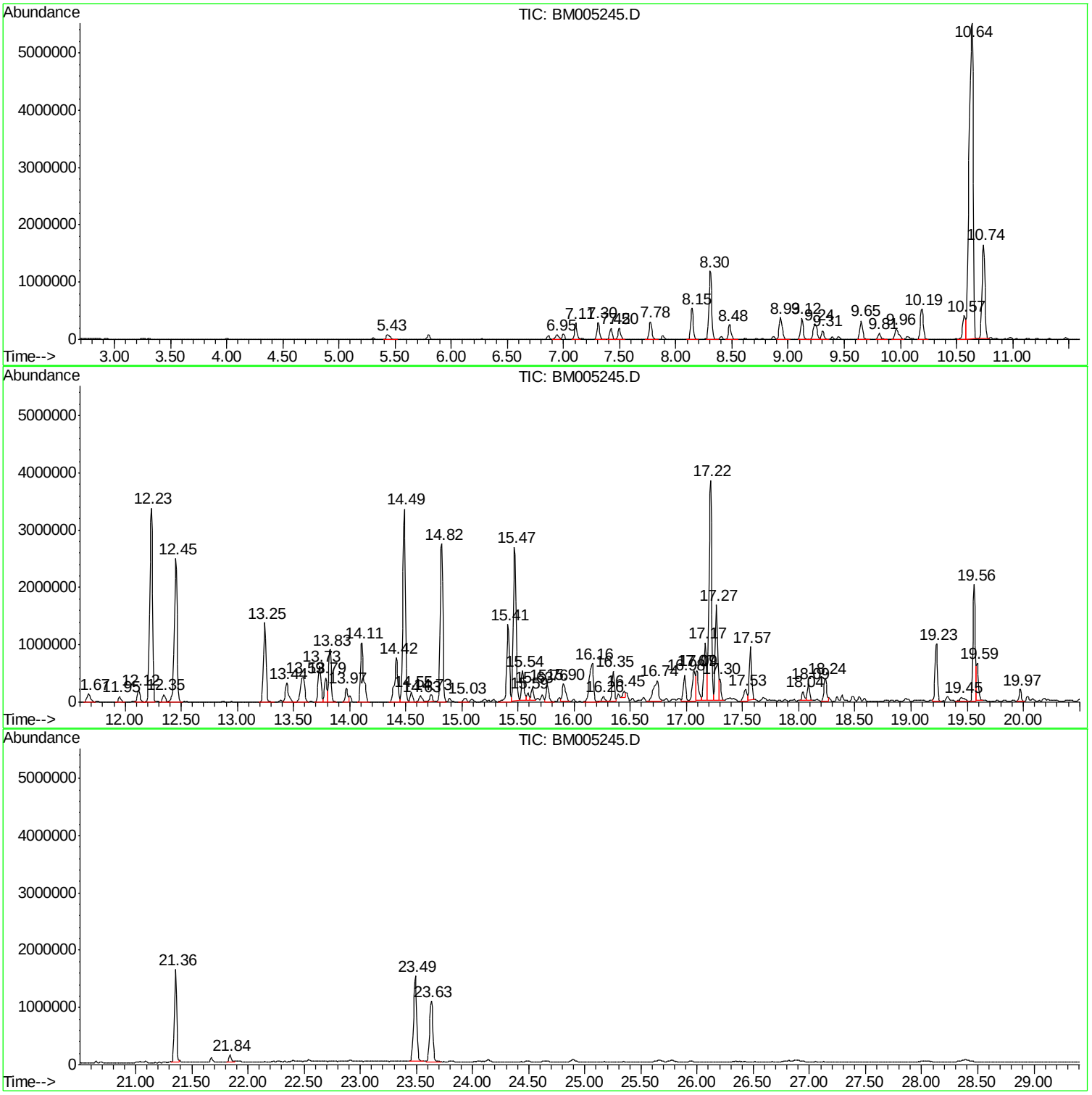
Sample : H2813-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BC7P2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005245.D
Acq On : 05 May 2016 21:28
Operator : UM/SJ
Sample : H2813-03
Misc :
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Instrument : BNA_M
ClientSampleId : BC7P2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

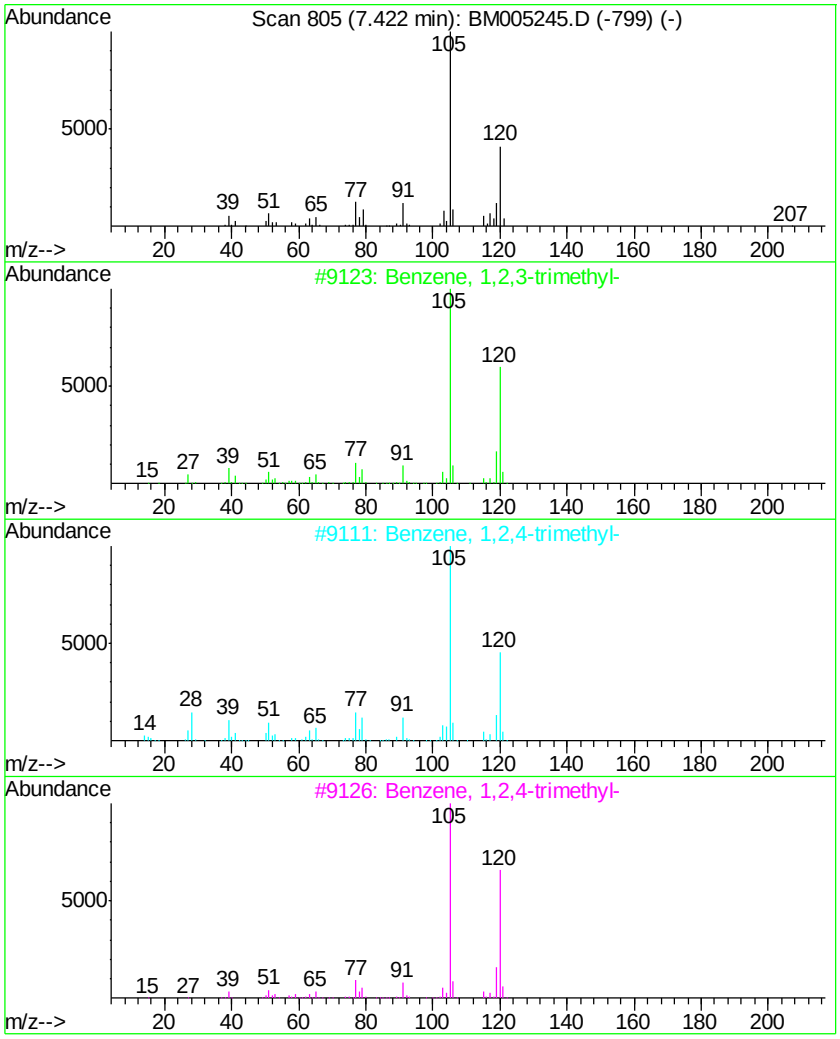
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

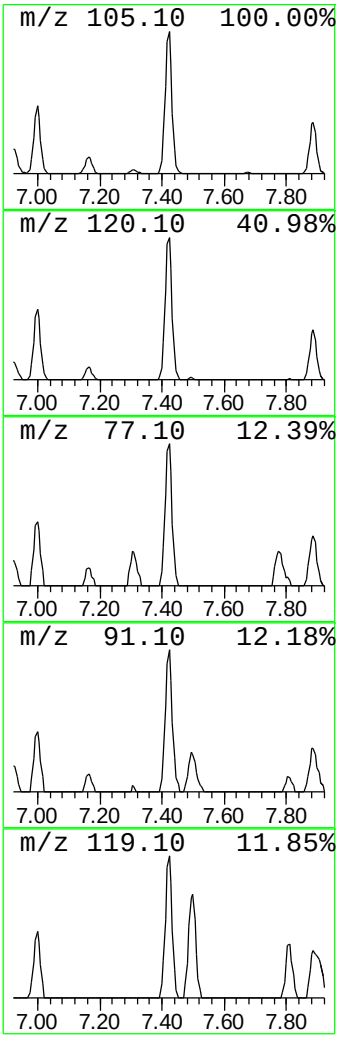
****

Peak Number 2 Benzene, 1,2,3-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.42	11.93 ng/ul	306332	1,4-Dichlorobenzene-d4	7.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
4	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	90
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005245.D
Acq On : 05 May 2016 21:28
Operator : UM/SJ
Sample : H2813-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

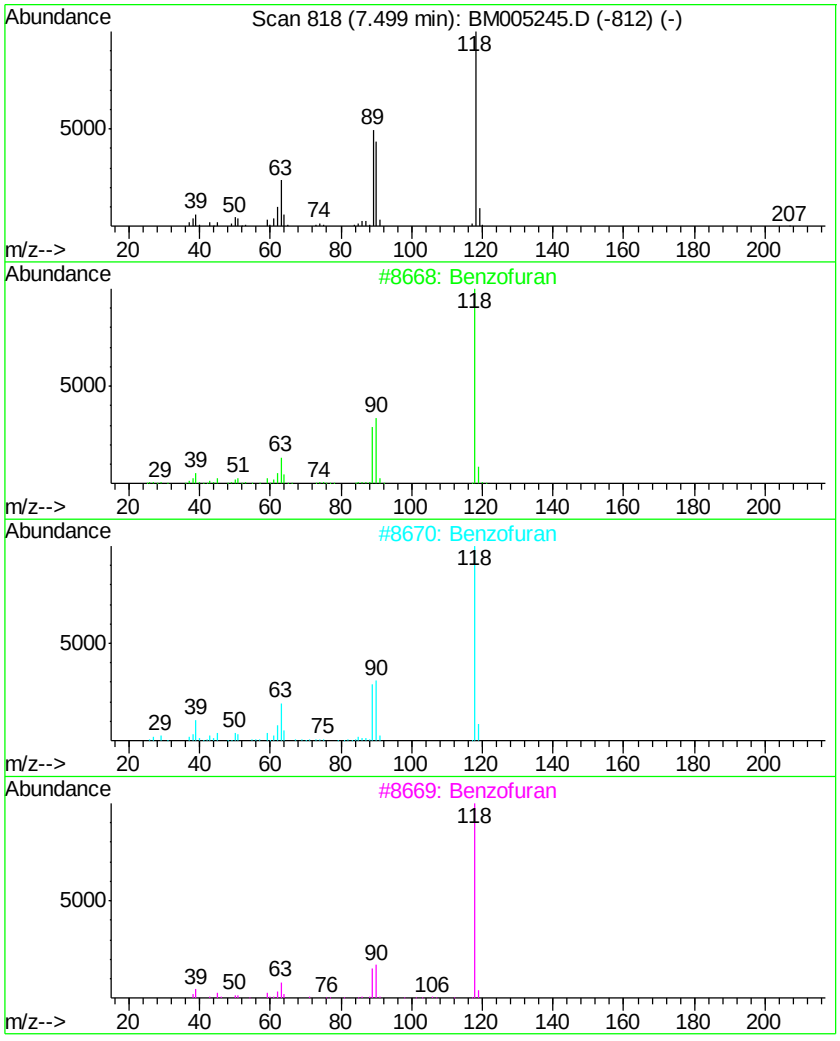
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

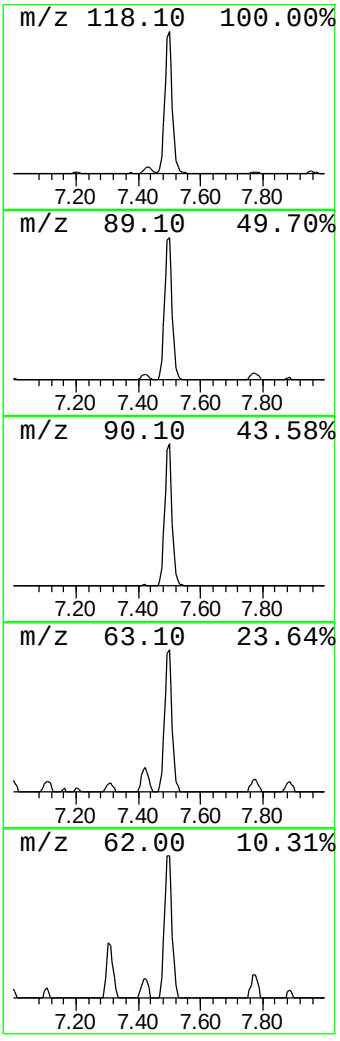
****

Peak Number 3 Benzofuran Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.50	12.66 ng/ul	324992	1,4-Dichlorobenzene-d4	7.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	94
2	Benzofuran	118	C8H6O	000271-89-6	90
3	Benzofuran	118	C8H6O	000271-89-6	90
4	3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	83
5	1H-Pyrrolo[2,3-b]pyridine	118	C7H6N2	000271-63-6	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005245.D
Acq On : 05 May 2016 21:28
Operator : UM/SJ
Sample : H2813-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

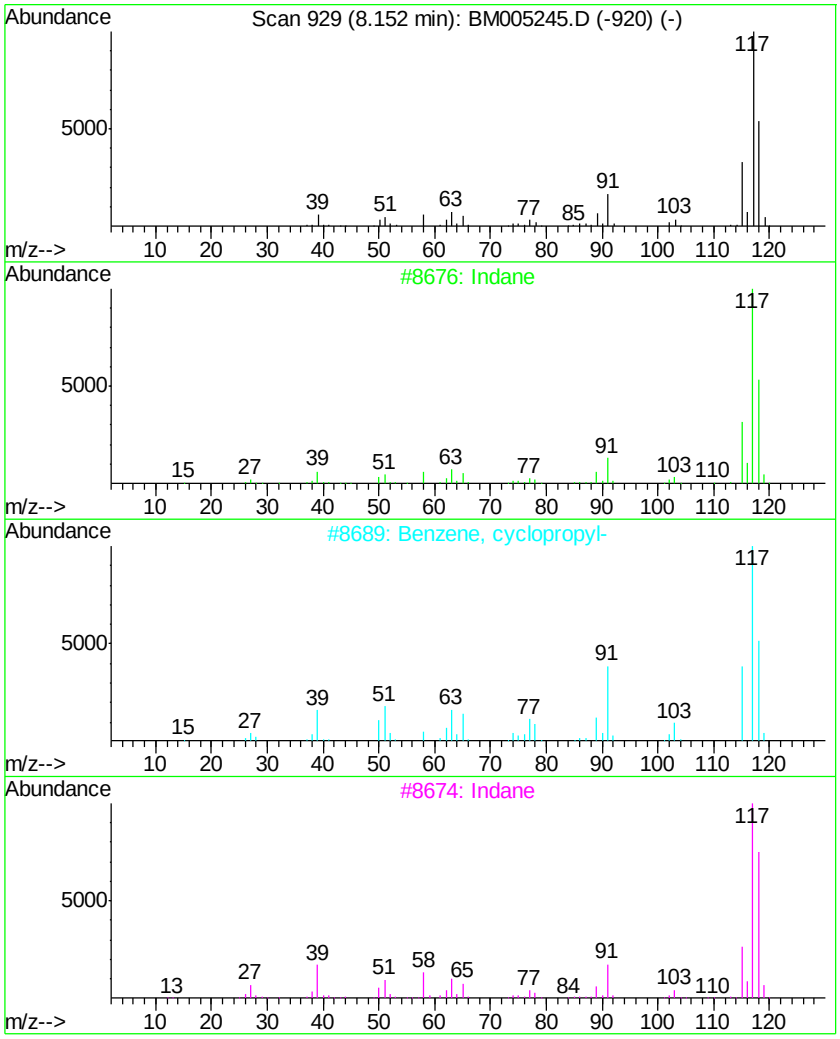
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

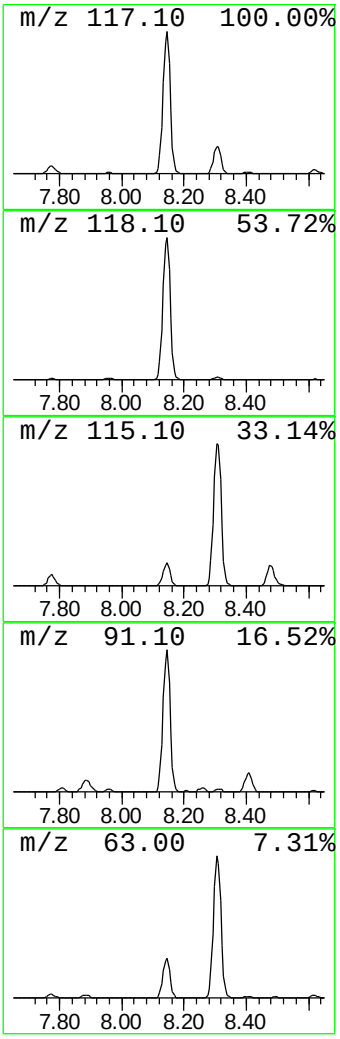
****

Peak Number 4 Indane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	34.41 ng/ul	883412	1,4-Dichlorobenzene-d4	7.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	87
3	Indane	118	C9H10	000496-11-7	87
4	Indane	118	C9H10	000496-11-7	83
5	Deltacyclene	118	C9H10	007785-10-6	72





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Sample : H2813-03
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ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

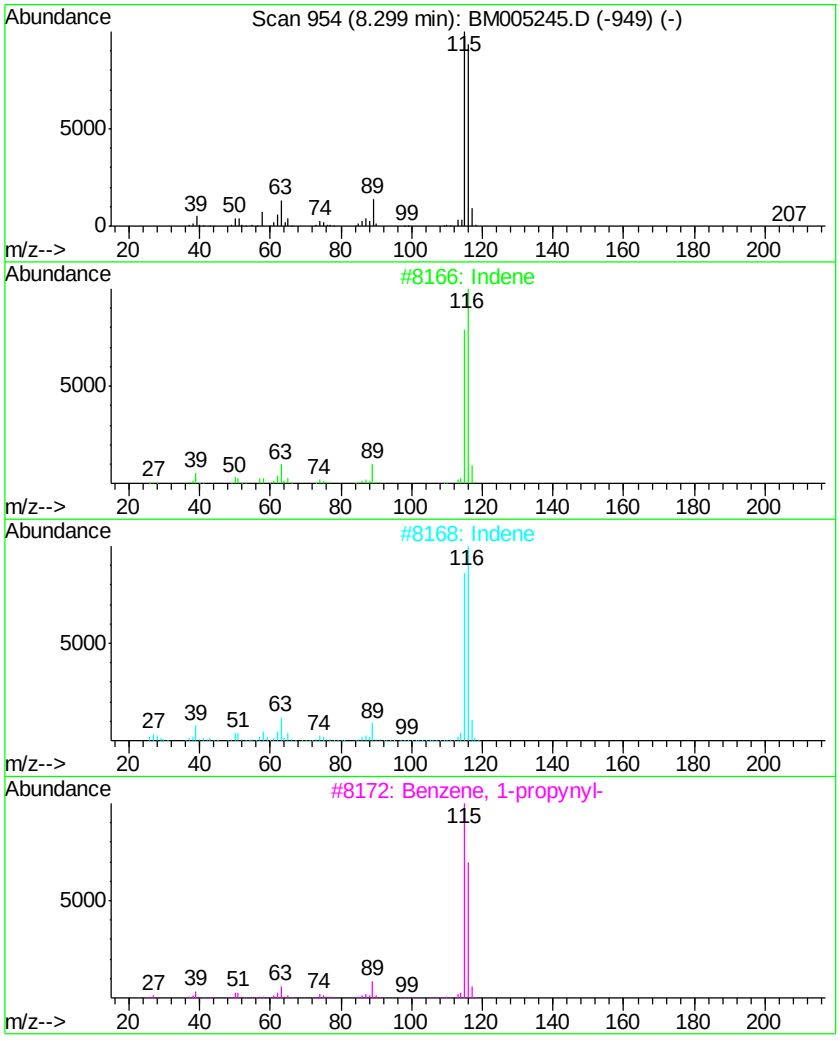
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

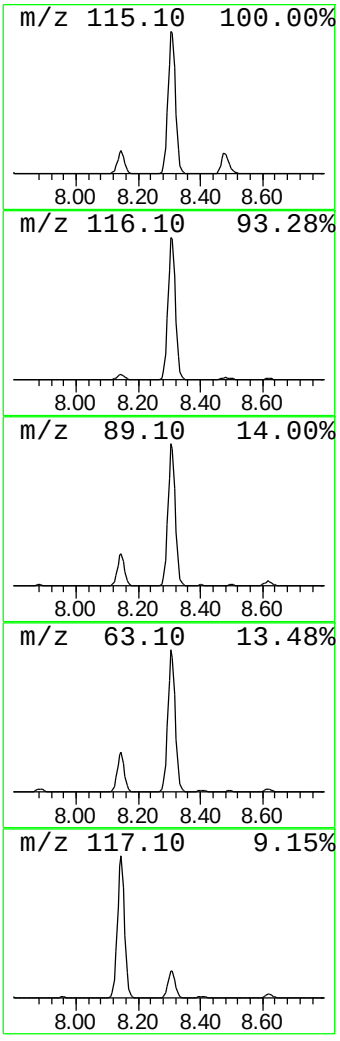
****

Peak Number 5 Indene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.30	78.83 ng/ul	2024010	1,4-Dichlorobenzene-d4	7.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	95
2	Indene	116	C9H8	000095-13-6	95
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
4	Indene	116	C9H8	000095-13-6	94
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





Library Search Compound Report

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Acq On : 05 May 2016 21:28
Operator : UM/SJ
Sample : H2813-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

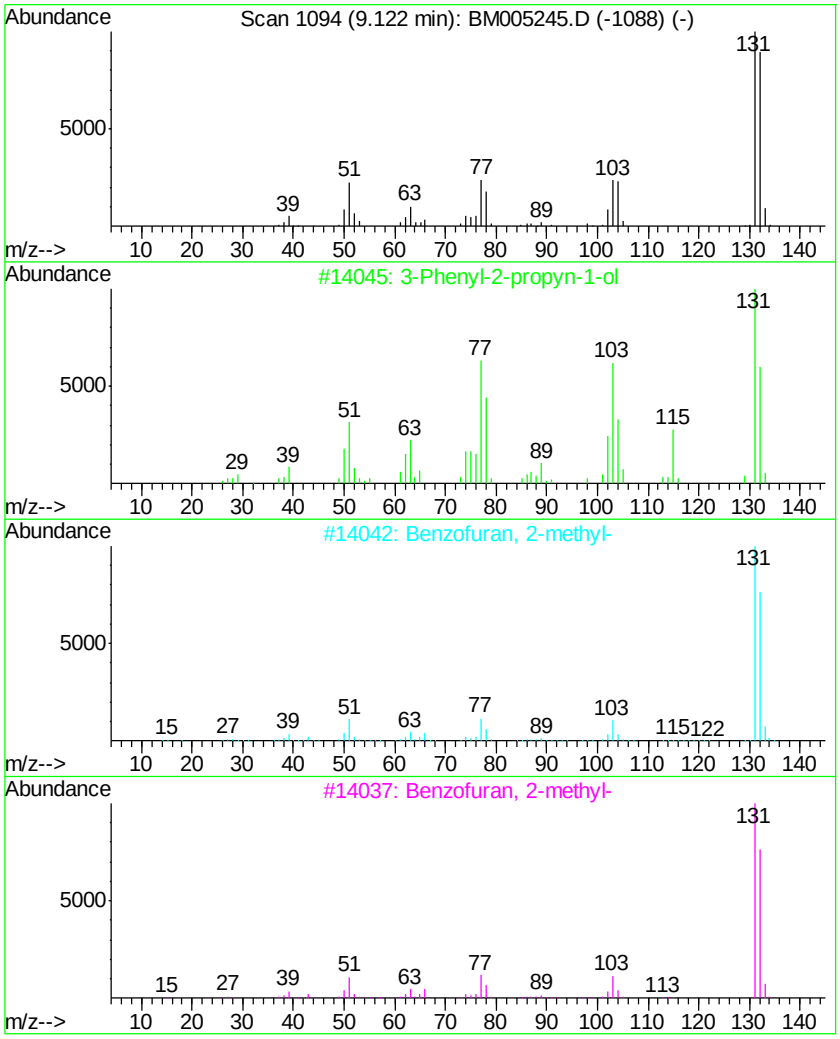
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

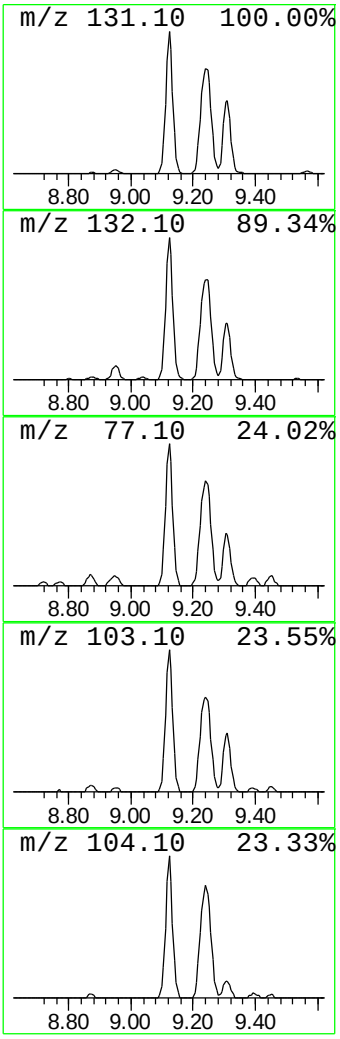
****

Peak Number 6 3-Phenyl-2-propyn-1-ol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.12	23.30 ng/ul	598145	1,4-Dichlorobenzene-d4	7.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	91
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
4	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
5	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	91





Library Search Compound Report

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Data File : BM005245.D
Acq On : 05 May 2016 21:28
Operator : UM/SJ
Sample : H2813-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

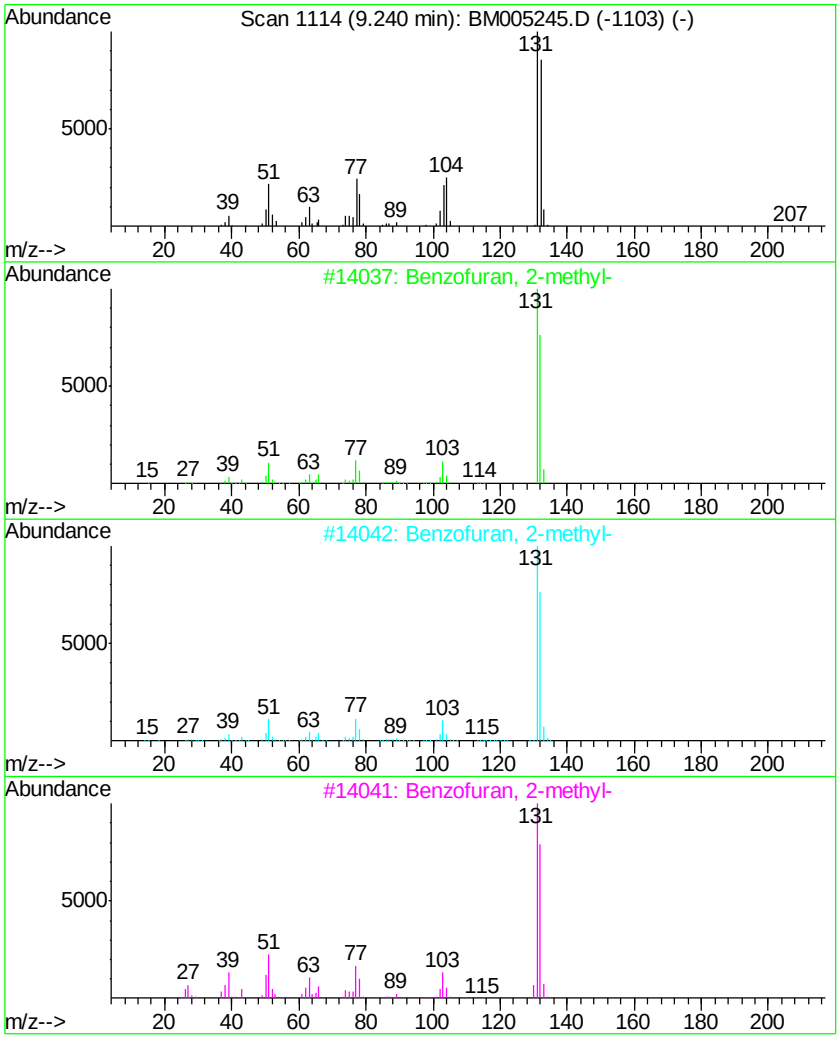
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

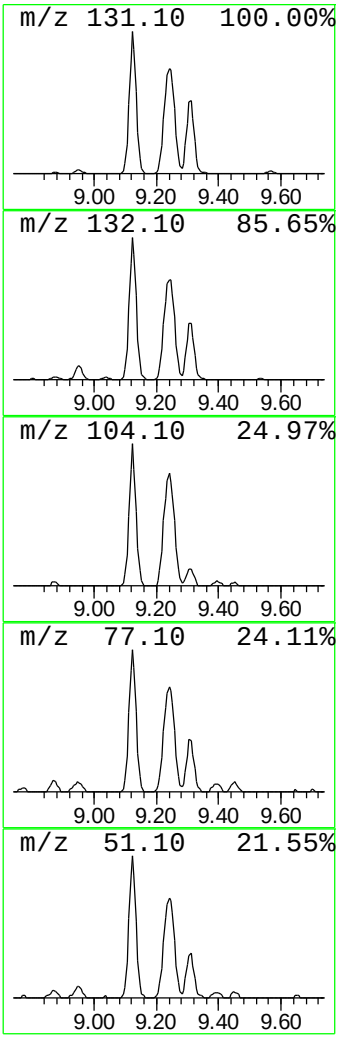
****

Peak Number 7 Benzofuran, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.24	17.29 ng/ul	654866	Naphthalene-d8	10.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
4	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	91
5	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	90





Library Search Compound Report

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Data File : BM005245.D
Acq On : 05 May 2016 21:28
Operator : UM/SJ
Sample : H2813-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

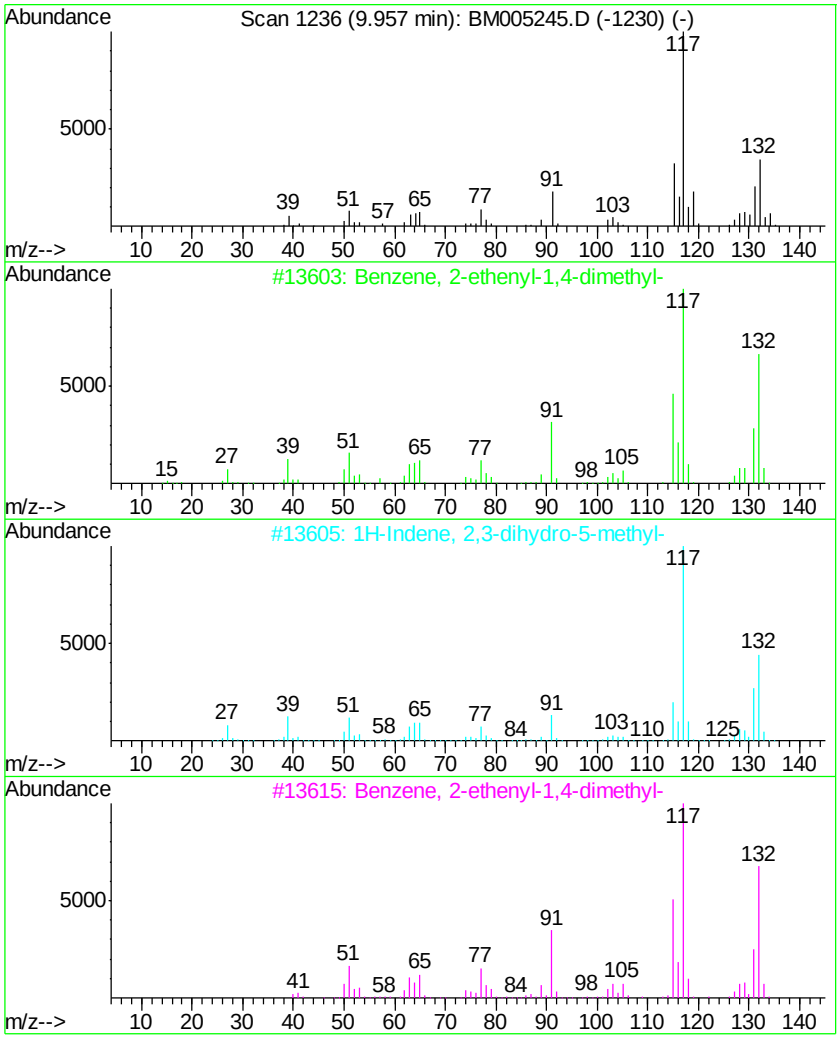
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

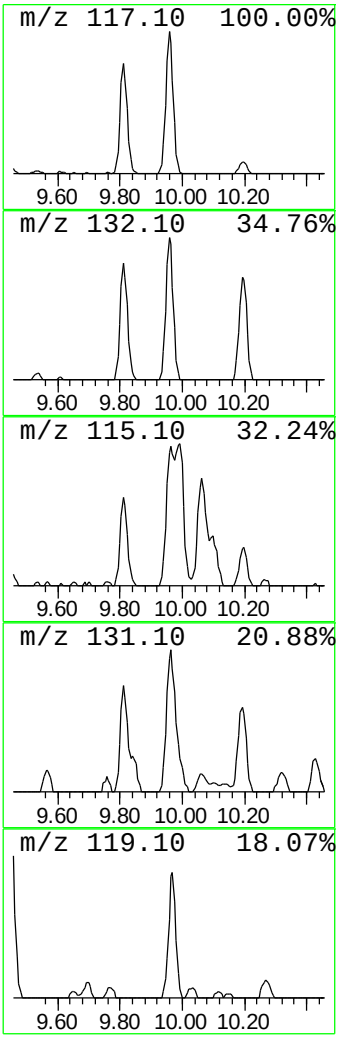
****

Peak Number 10 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.96	11.75 ng/ul	445156	Naphthalene-d8	10.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	93
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	64
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	64
4	2,4-Dimethylstyrene	132	C10H12	002234-20-0	64
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	62





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Acq On : 05 May 2016 21:28
Operator : UM/SJ
Sample : H2813-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P2

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Quant Title : SVOA CALIBRATION

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

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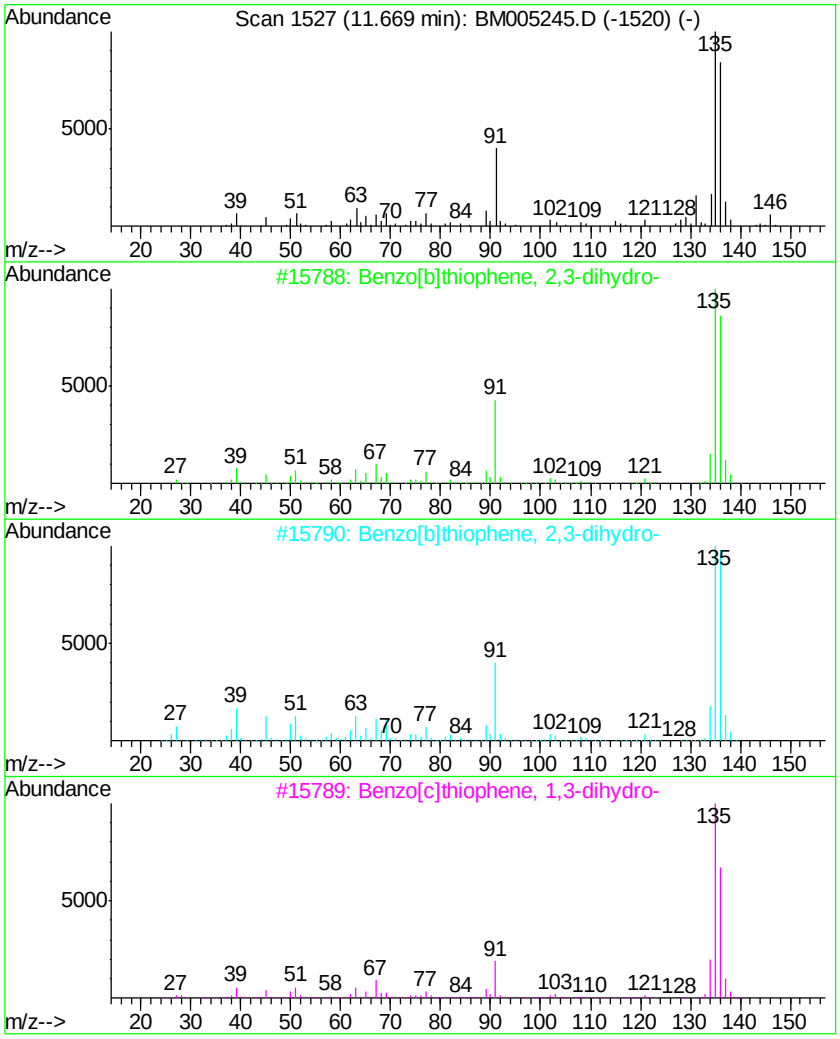
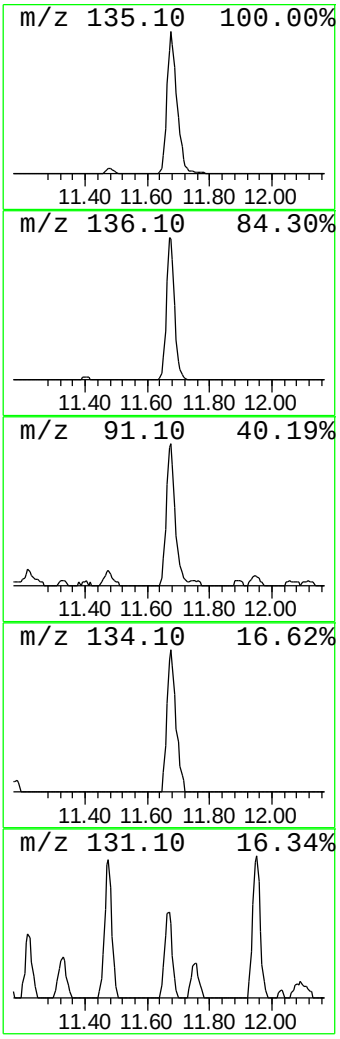
Peak Number 11 Benzo[b]thiophene, 2,3-dihy... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	7.88 ng/ul	298320	Naphthalene-d8	10.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 2,3-dihydro-	136	C8H8S	004565-32-6	94
2	Benzo[b]thiophene, 2,3-dihydro-	136	C8H8S	004565-32-6	90
3	Benzo[c]thiophene, 1,3-dihydro-	136	C8H8S	002471-92-3	81
4	Benzene, (ethenylthio)-	136	C8H8S	001822-73-7	74
5	3-Hydroxy-4-methylbenzaldehyde	136	C8H8O2	057295-30-4	64





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ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P2

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Quant Title : SVOA CALIBRATION

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

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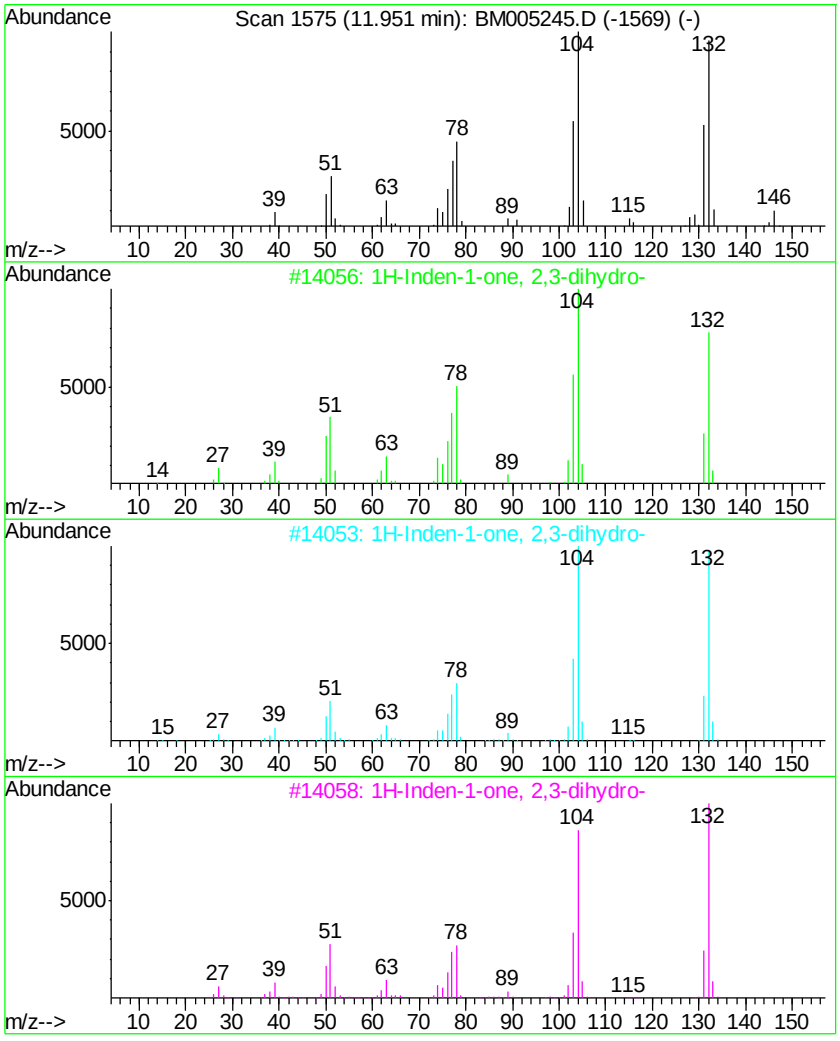
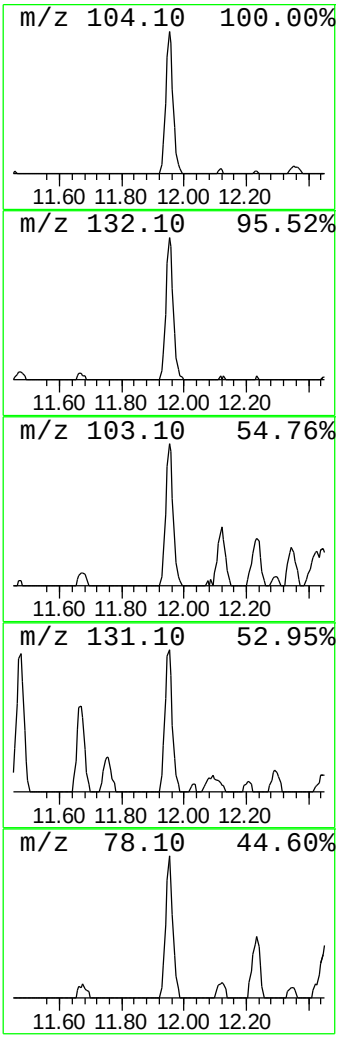
Peak Number 12 1H-Inden-1-one, 2,3-dihydro- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	4.18 ng/ul	158321	Naphthalene-d8	10.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	95
2	1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	94
3	1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	90
4	Styrene	104	C8H8	000100-42-5	87
5	Styrene	104	C8H8	000100-42-5	87





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Instrument : BNA_M
ClientSampleId : BC7P2

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Quant Title : SVOA CALIBRATION

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

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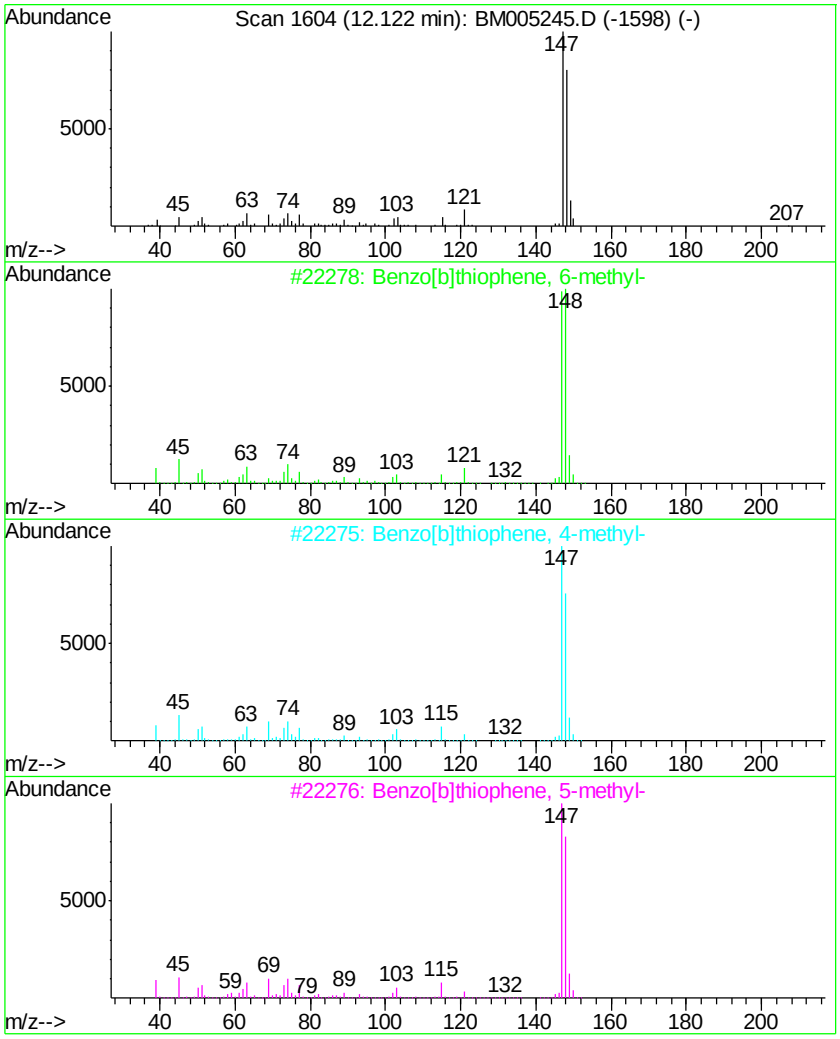
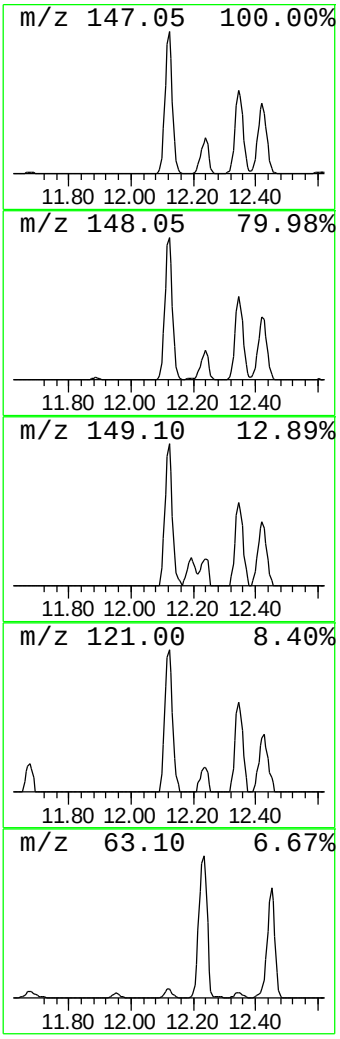
Peak Number 13 Benzo[b]thiophene, 6-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	9.45 ng/ul	357817	Naphthalene-d8	10.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	91
2	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	91
3	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	91
4	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91
5	3-Methylbenzothiophene	148	C9H8S	001455-18-1	90





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ClientSampleId : BC7P2

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Quant Title : SVOA CALIBRATION

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

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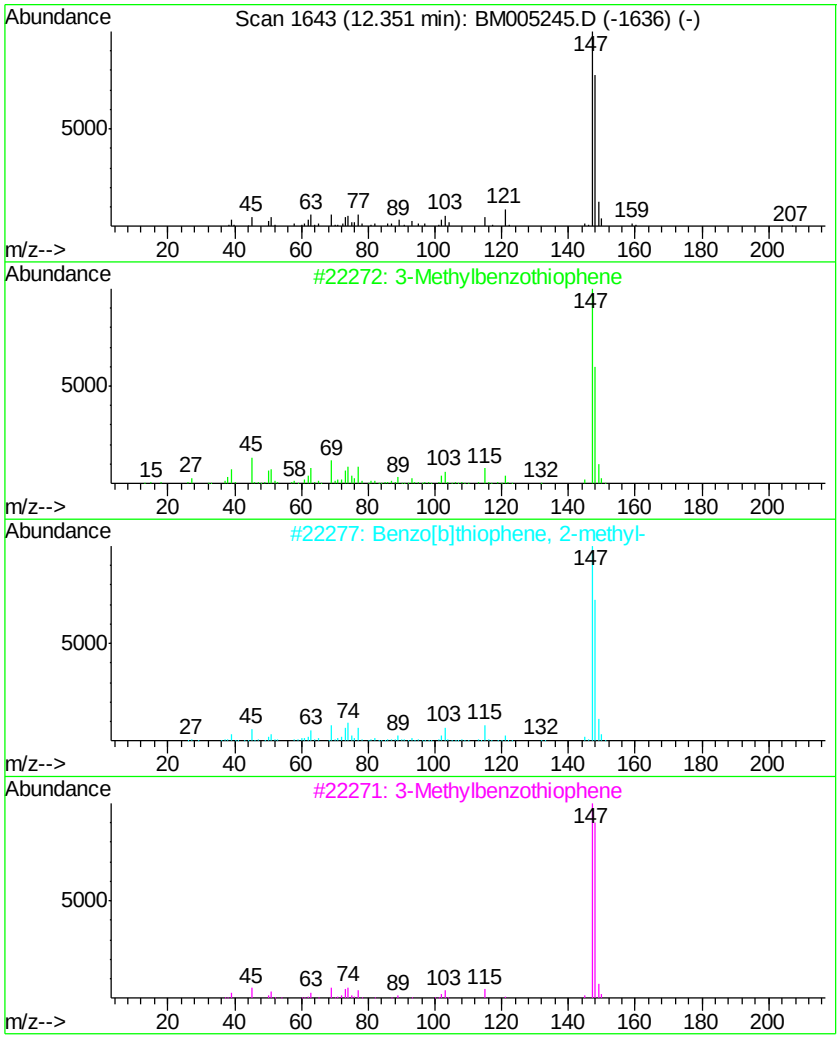
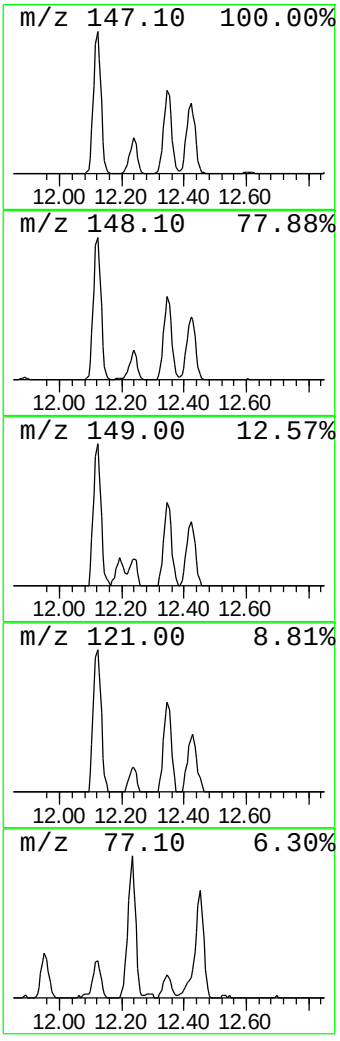
Peak Number 14 3-Methylbenzothiophene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	5.72 ng/ul	216827	Naphthalene-d8	10.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylbenzothiophene	148	C9H8S	001455-18-1	91
2	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91
3	3-Methylbenzothiophene	148	C9H8S	001455-18-1	90
4	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	90
5	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	87





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Quant Title : SVOA CALIBRATION

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

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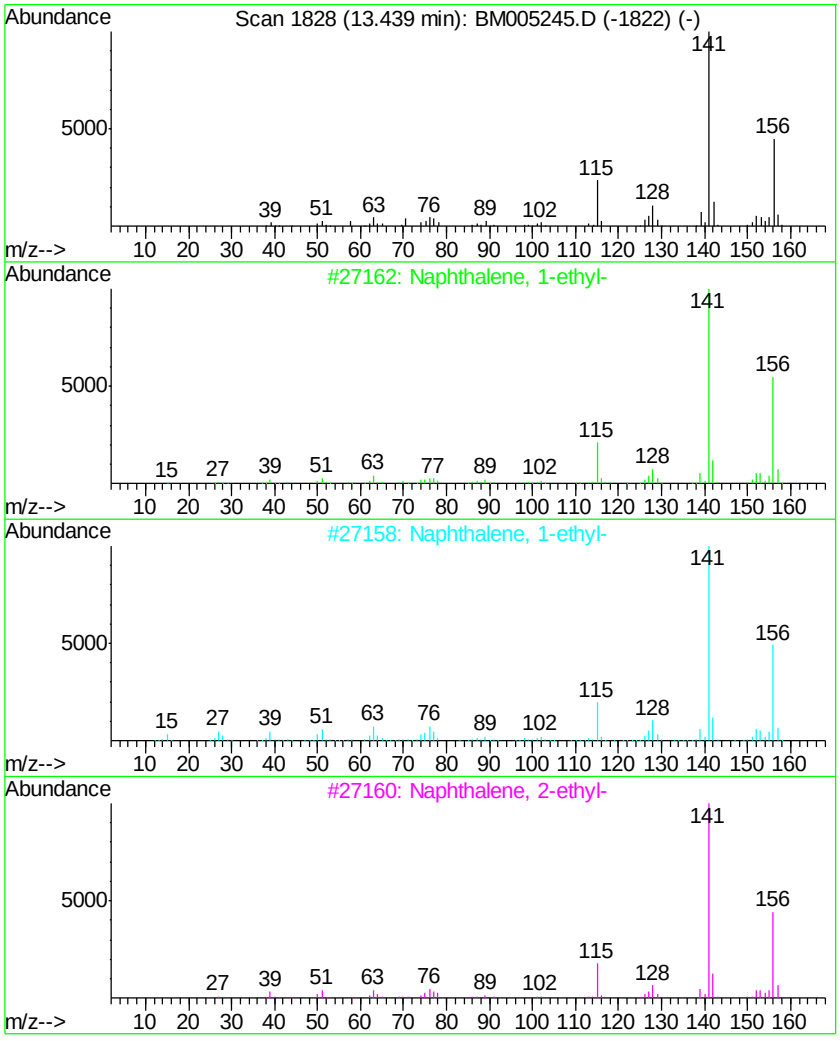
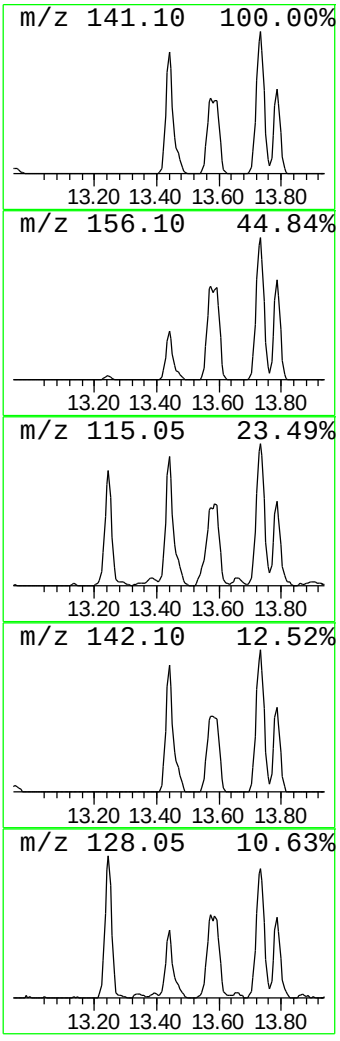
Peak Number 16 Naphthalene, 1-ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.44	7.94 ng/ul	627668	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95





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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P2

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Quant Title : SVOA CALIBRATION

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

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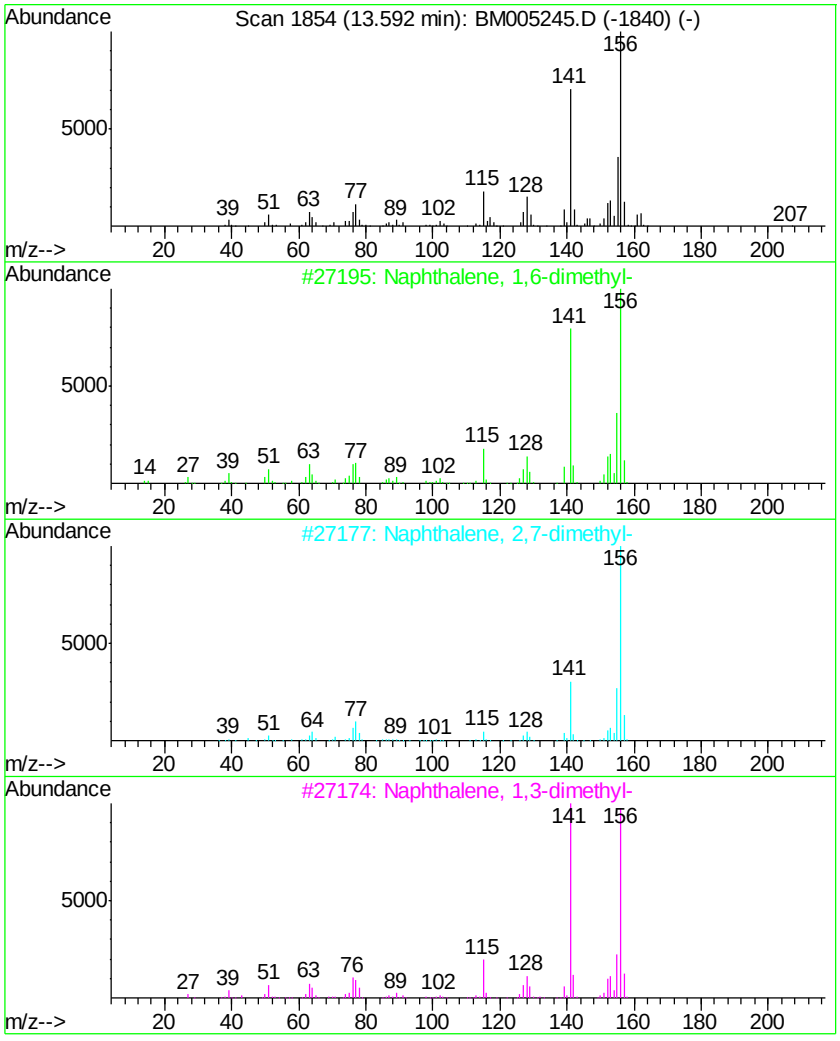
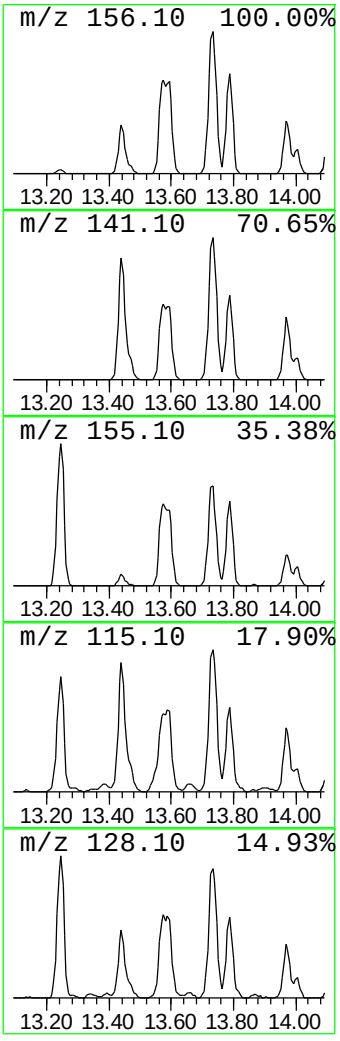
Peak Number 17 Naphthalene, 1,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.59	15.01 ng/ul	1186360	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





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Sample : H2813-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P2

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Quant Title : SVOA CALIBRATION

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

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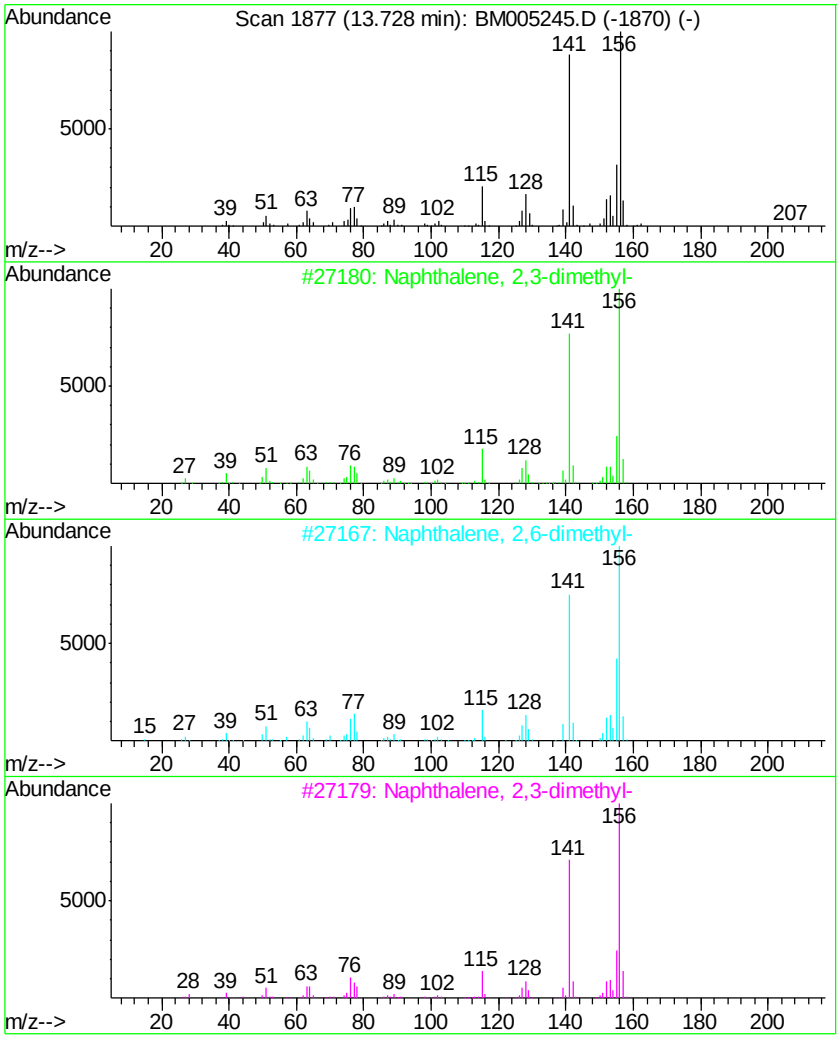
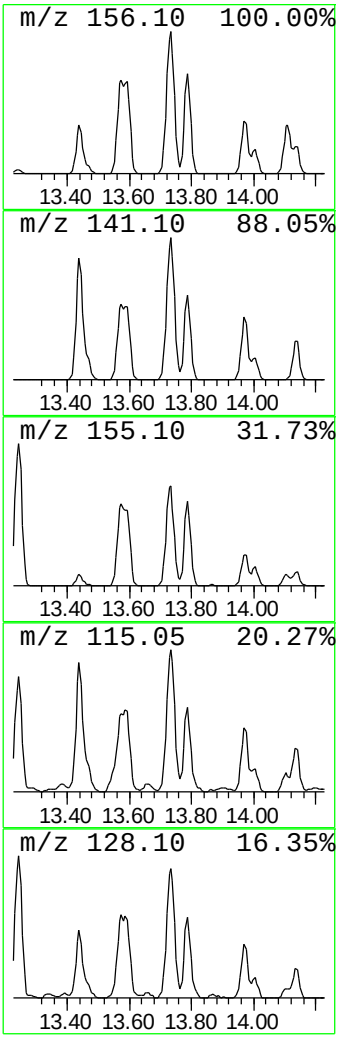
Peak Number 18 Naphthalene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	14.60 ng/ul	1153740	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





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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 Naphthalene, 1,7-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	4.88 ng/ul	385798	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
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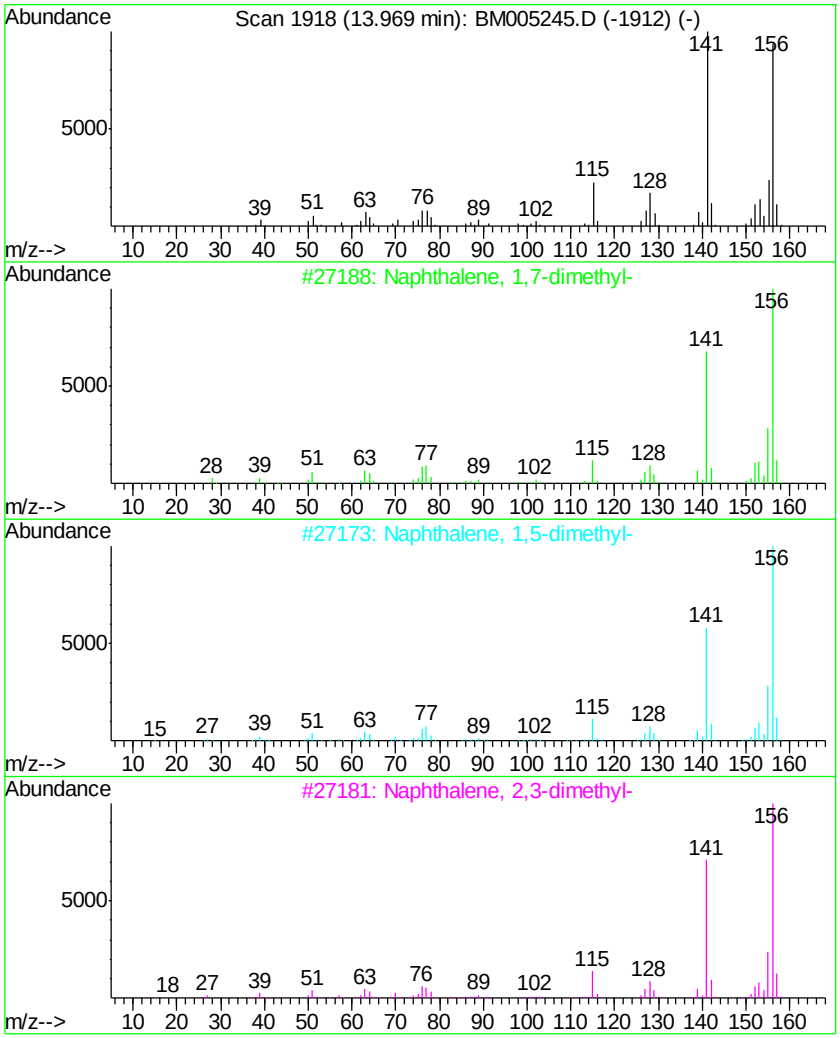

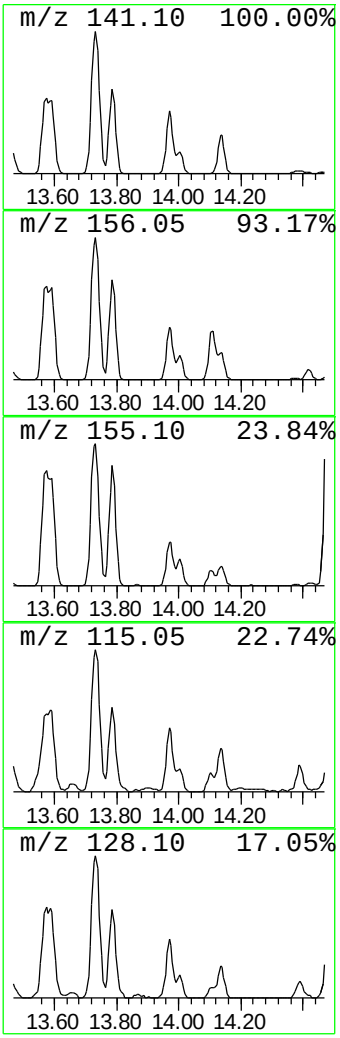

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Quant Title : SVOA CALIBRATION

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

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Peak Number 20 2-Naphthalenecarbonitrile Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	3.20 ng/ul	252942	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	97
2	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	97
3	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	94
4	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	91
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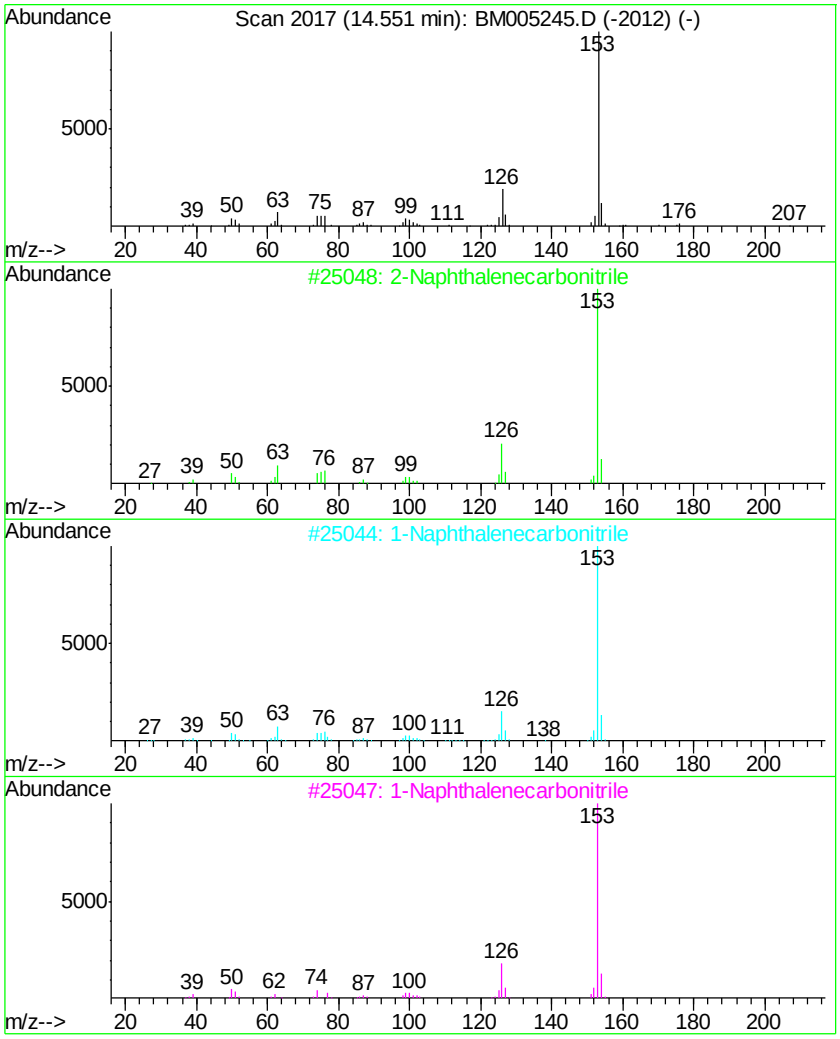

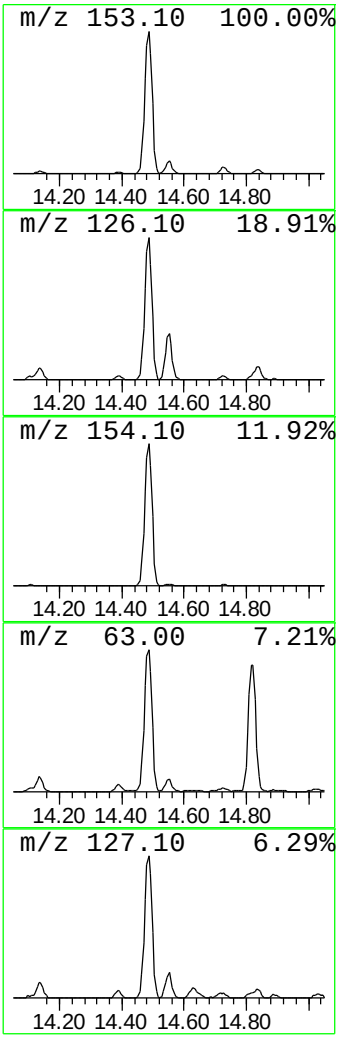

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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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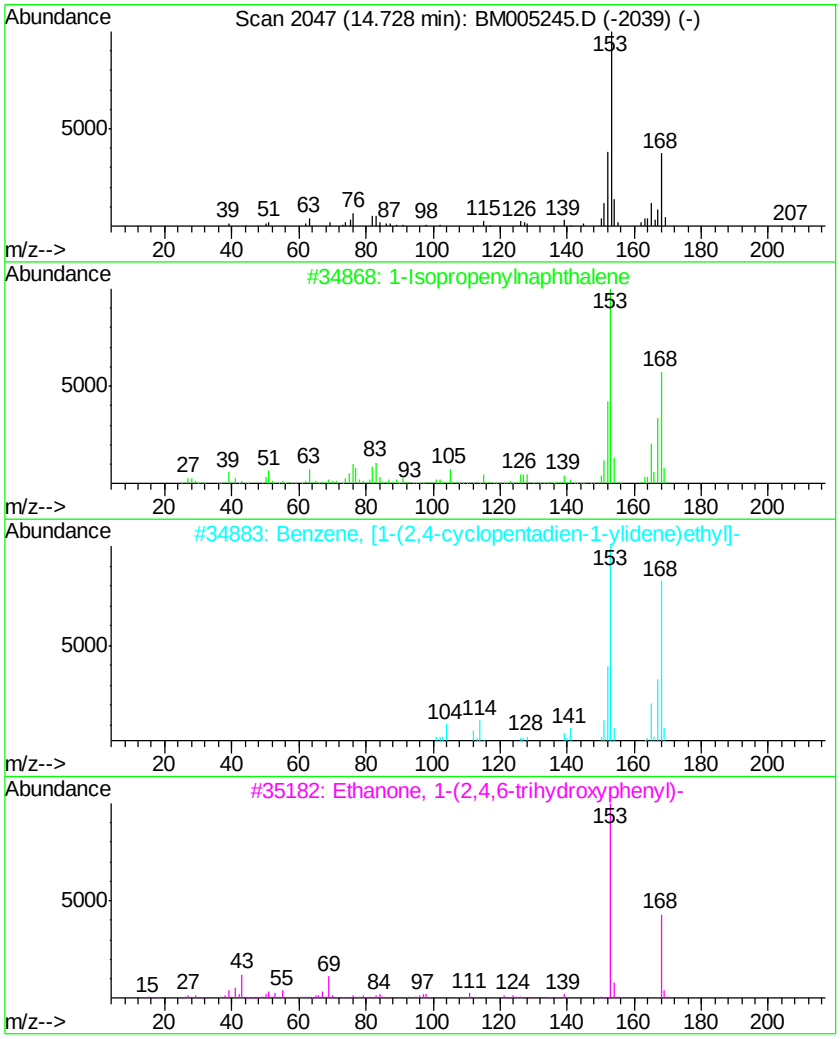
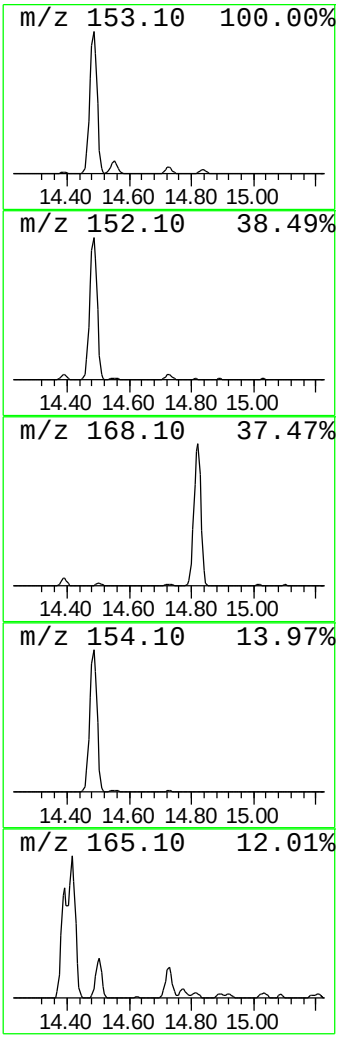
Peak Number 21 1-Isopropenylnaphthalene Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	2.63 ng/ul	207574	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	87
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	56
3	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	49
4	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	47
5	Acetophenone, 3'-fluoro-4'-methoxy-	168	C9H9FO2	000455-91-4	47





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Quant Title : SVOA CALIBRATION

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

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Peak Number 22 Nordiphenamid Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.63	4.00 ng/ul	315979	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	87
2	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	86
3	Diphenylmethane	168	C13H12	000101-81-5	76
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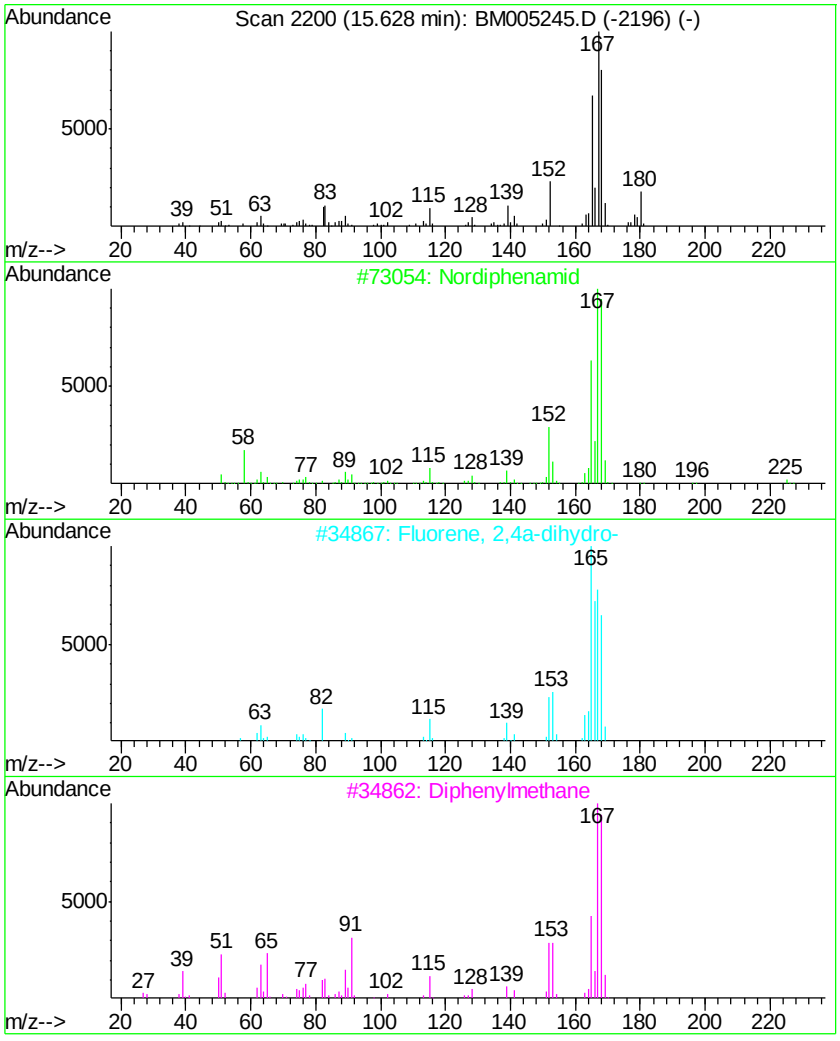
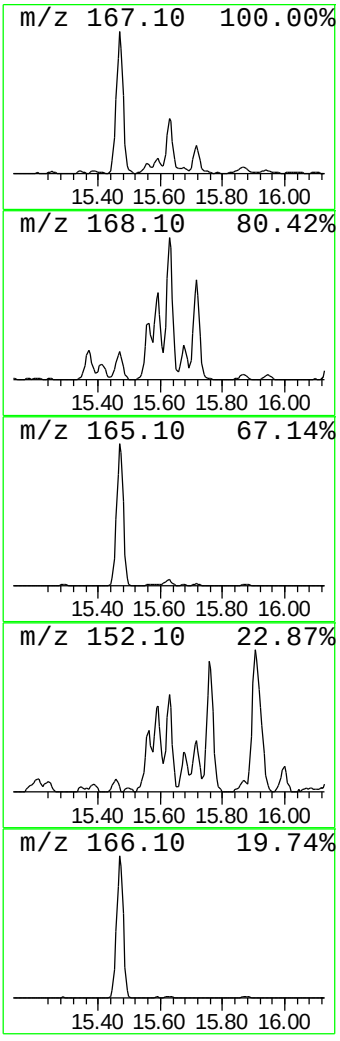
5	Nordiphenamid	225	C15H15NO	000954-21-2	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005245.D
Acq On : 05 May 2016 21:28
Operator : UM/SJ
Sample : H2813-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

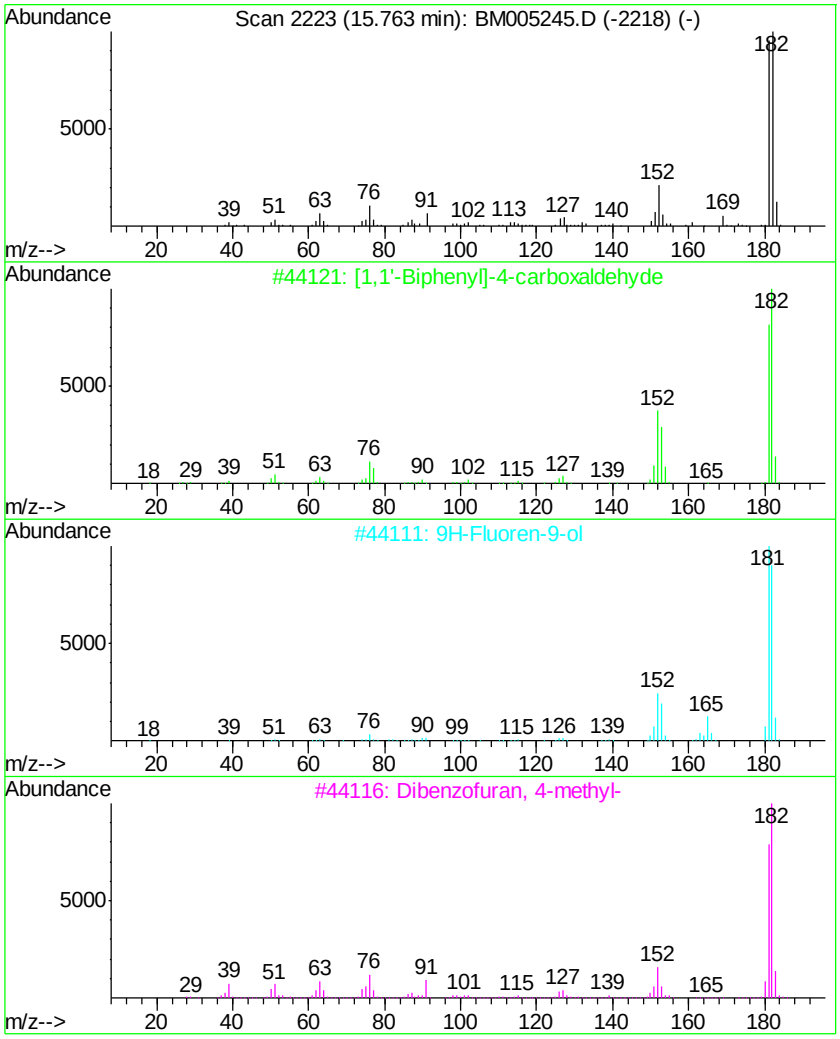
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

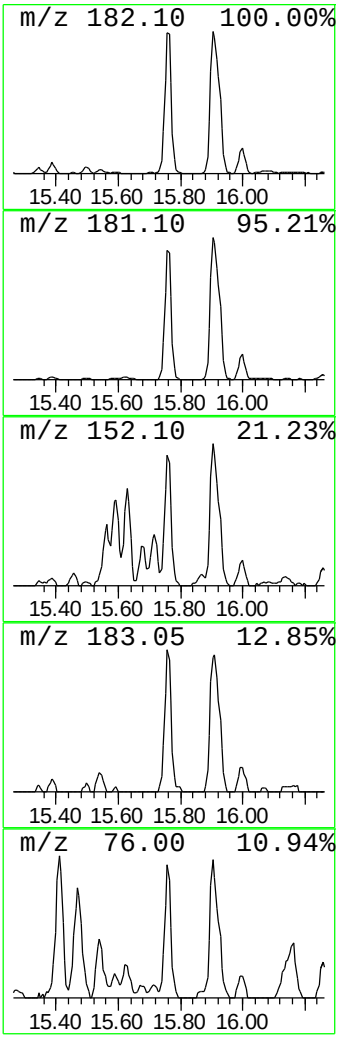
****

Peak Number 23 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.76	6.12 ng/ul	483818	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	86
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	9H-Xanthene	182	C13H10O	000092-83-1	64





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Acq On : 05 May 2016 21:28
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Sample : H2813-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

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

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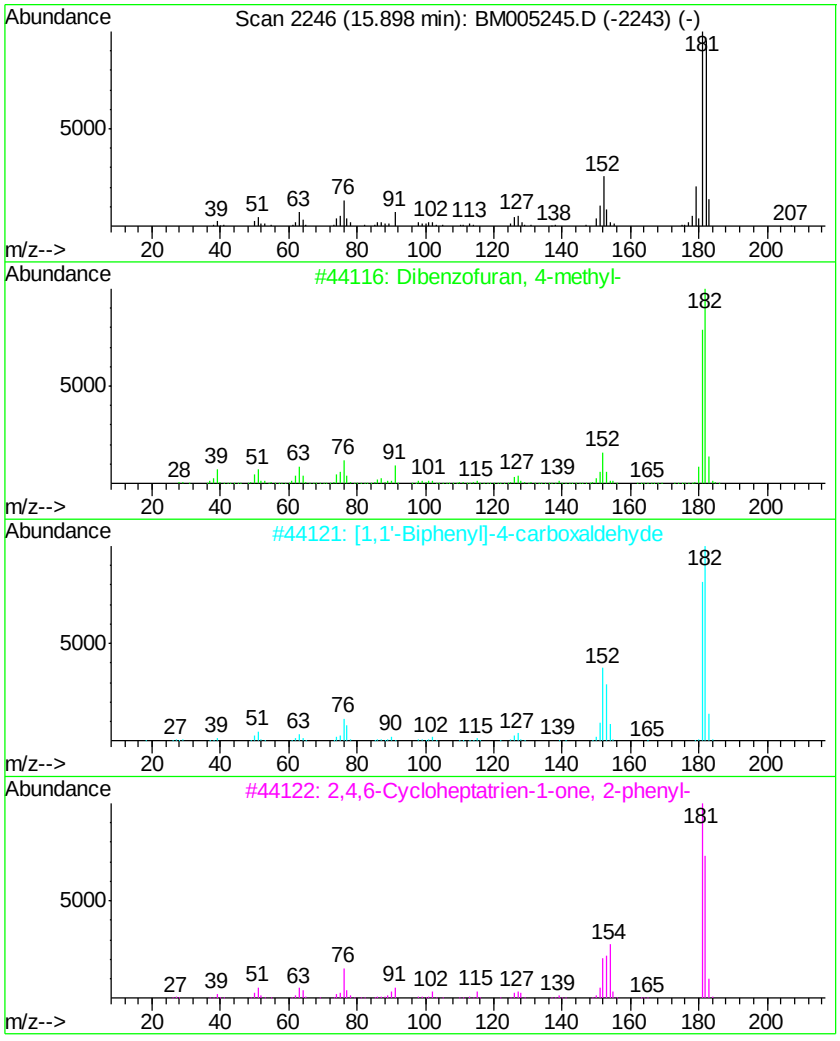
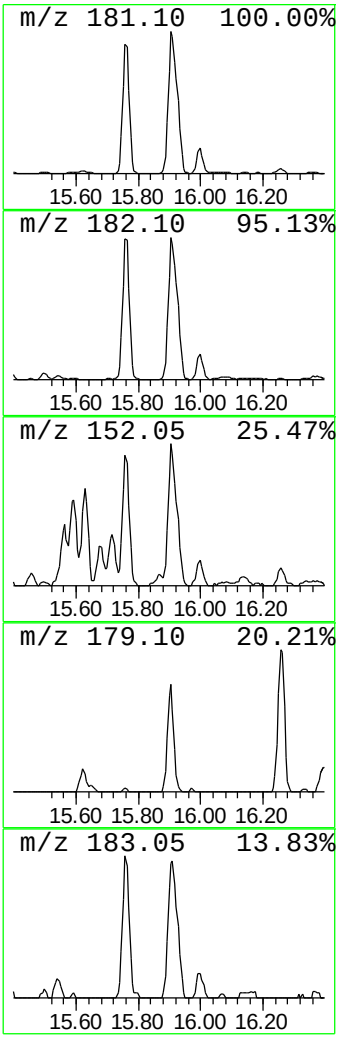
Peak Number 24 Dibenzofuran, 4-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	6.93 ng/ul	613750	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	90
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64





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Sample : H2813-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

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

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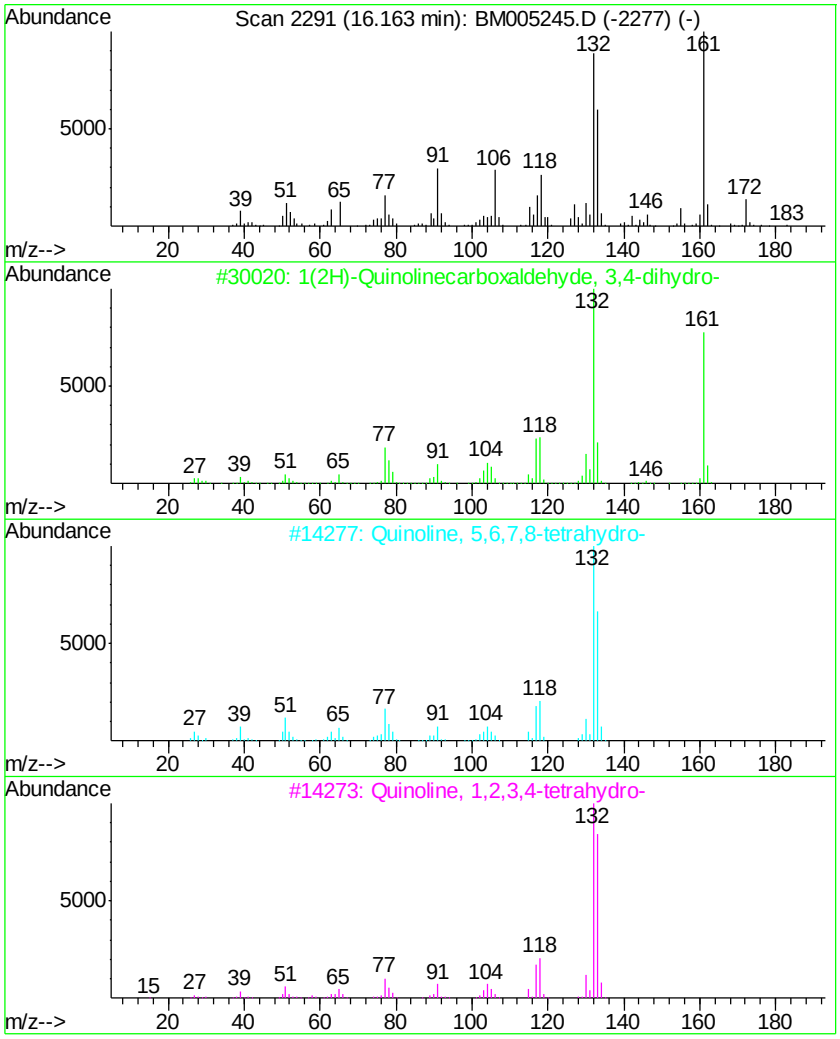
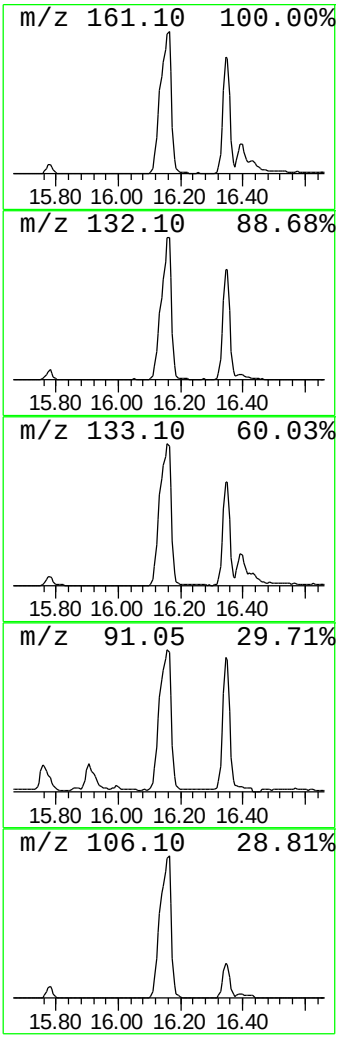
Peak Number 25 1(2H)-Quinolinecarboxaldehy... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.16	19.26 ng/ul	1707040	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Quinolinecarboxaldehyde, 3...	161	C10H11NO	002739-16-4	58
2	Quinoline, 5,6,7,8-tetrahydro-	133	C9H11N	010500-57-9	55
3	Quinoline, 1,2,3,4-tetrahydro-	133	C9H11N	000635-46-1	55
4	Quinoline, 1,2,3,4-tetrahydro-	133	C9H11N	000635-46-1	50
5	Cyclopropanamine, 2-phenyl-, tra...	133	C9H11N	000155-09-9	45





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Sample : H2813-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

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

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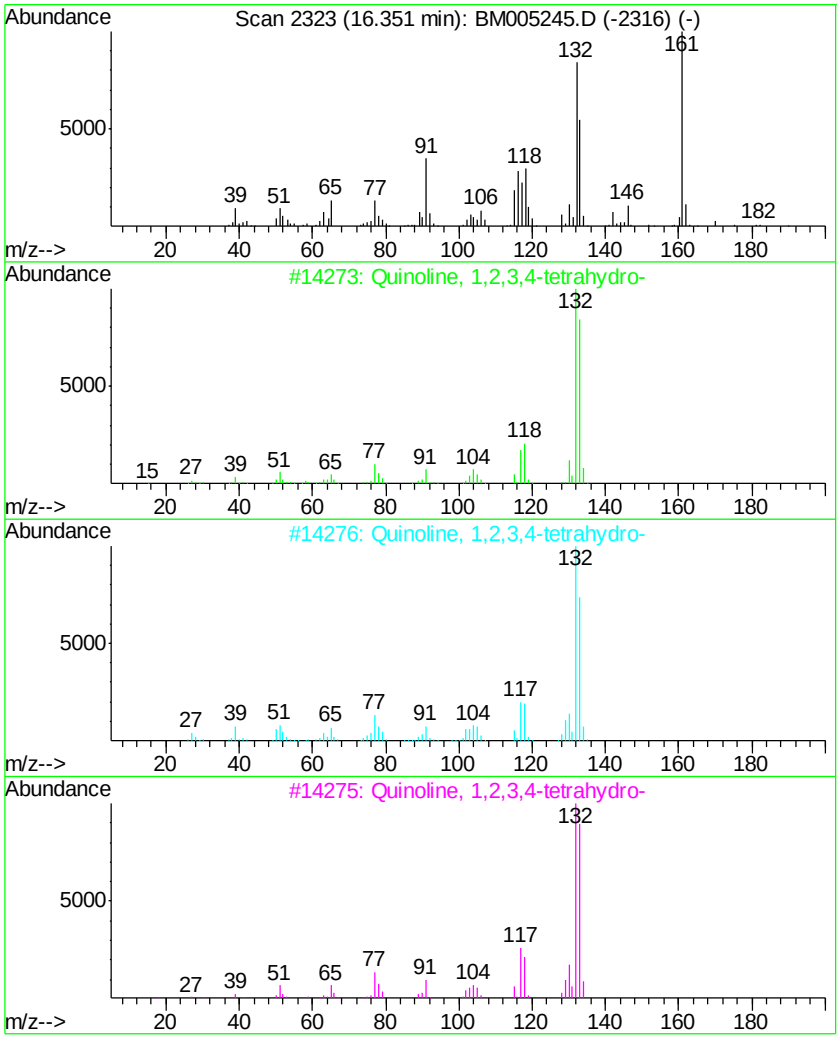
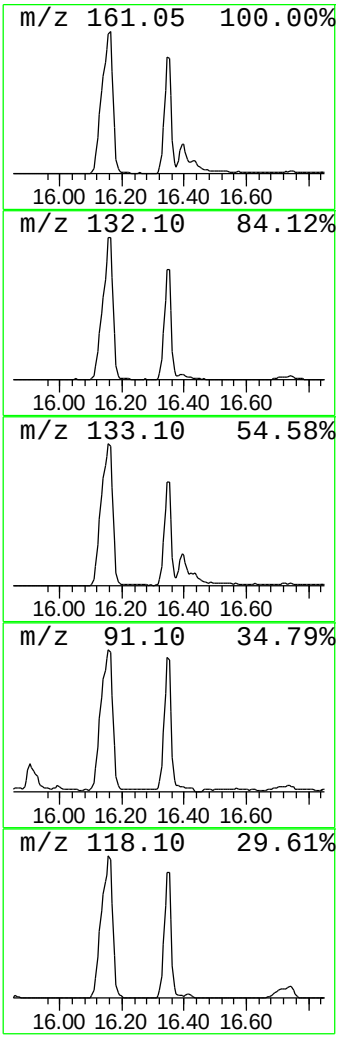
Peak Number 26 Quinoline, 1,2,3,4-tetrahydro- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.35	9.24 ng/ul	818920	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 1,2,3,4-tetrahydro-	133	C9H11N	000635-46-1	55
2	Quinoline, 1,2,3,4-tetrahydro-	133	C9H11N	000635-46-1	50
3	Quinoline, 1,2,3,4-tetrahydro-	133	C9H11N	000635-46-1	50
4	Cyclopropanamine, 2-phenyl-, tra...	133	C9H11N	000155-09-9	46
5	1H-Indole-5-carboxaldehyde, 2,3-...	161	C10H11NO	060082-02-2	46





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Acq On : 05 May 2016 21:28
Operator : UM/SJ
Sample : H2813-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

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

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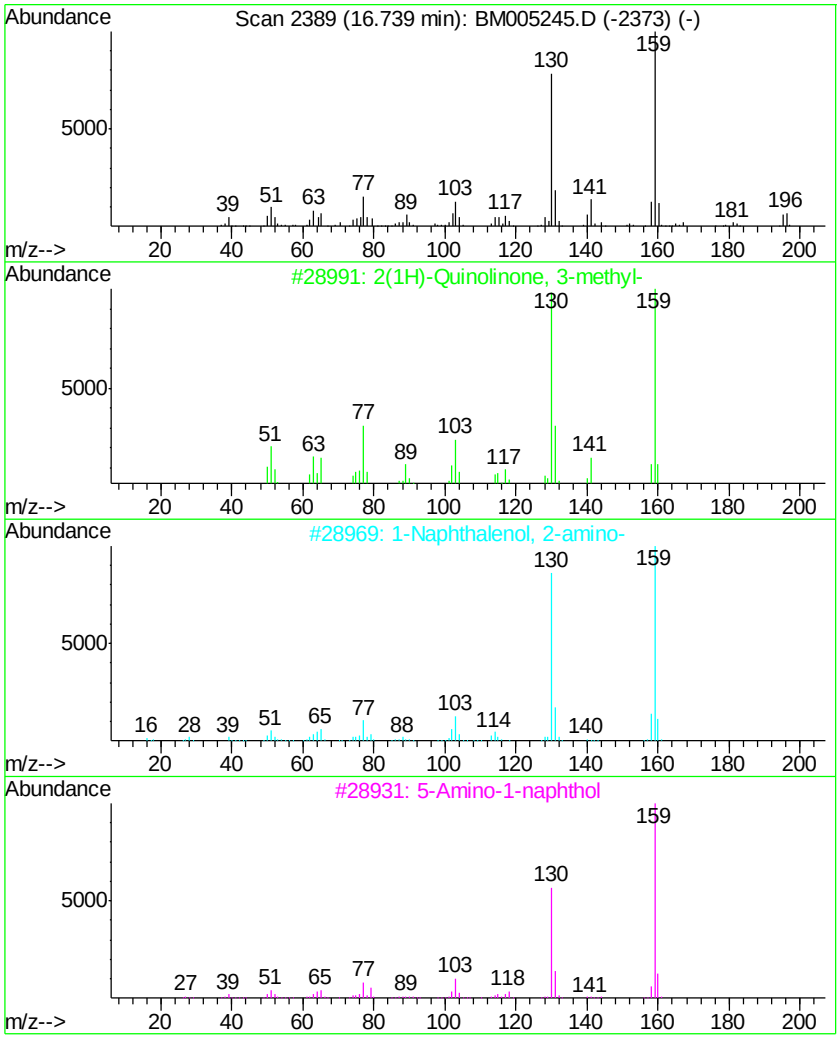
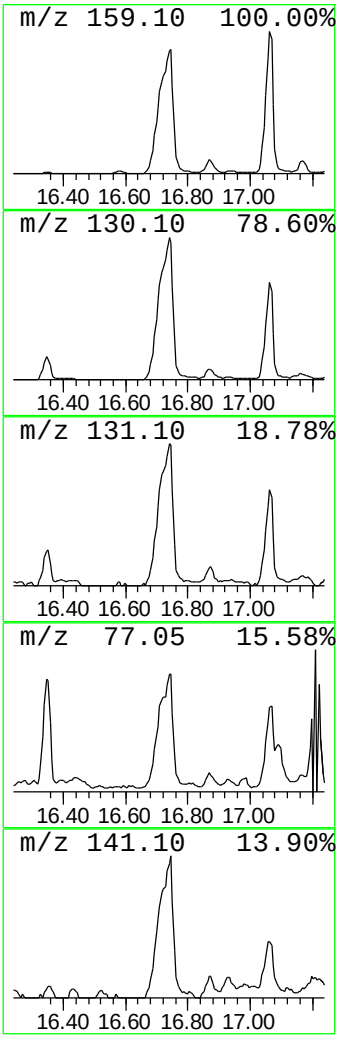
Peak Number 27 2(1H)-Quinolinone, 3-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.74	13.44 ng/ul	1191030	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(1H)-Quinolinone, 3-methyl-	159	C10H9NO	002721-59-7	97
2	1-Naphthalenol, 2-amino-	159	C10H9NO	000606-41-7	94
3	5-Amino-1-naphthol	159	C10H9NO	000083-55-6	90
4	2(1H)-Quinolinone, 4-methyl-	159	C10H9NO	000607-66-9	87
5	2-Naphthalenol, 1-amino-	159	C10H9NO	002834-92-6	87





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Acq On : 05 May 2016 21:28
Operator : UM/SJ
Sample : H2813-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

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

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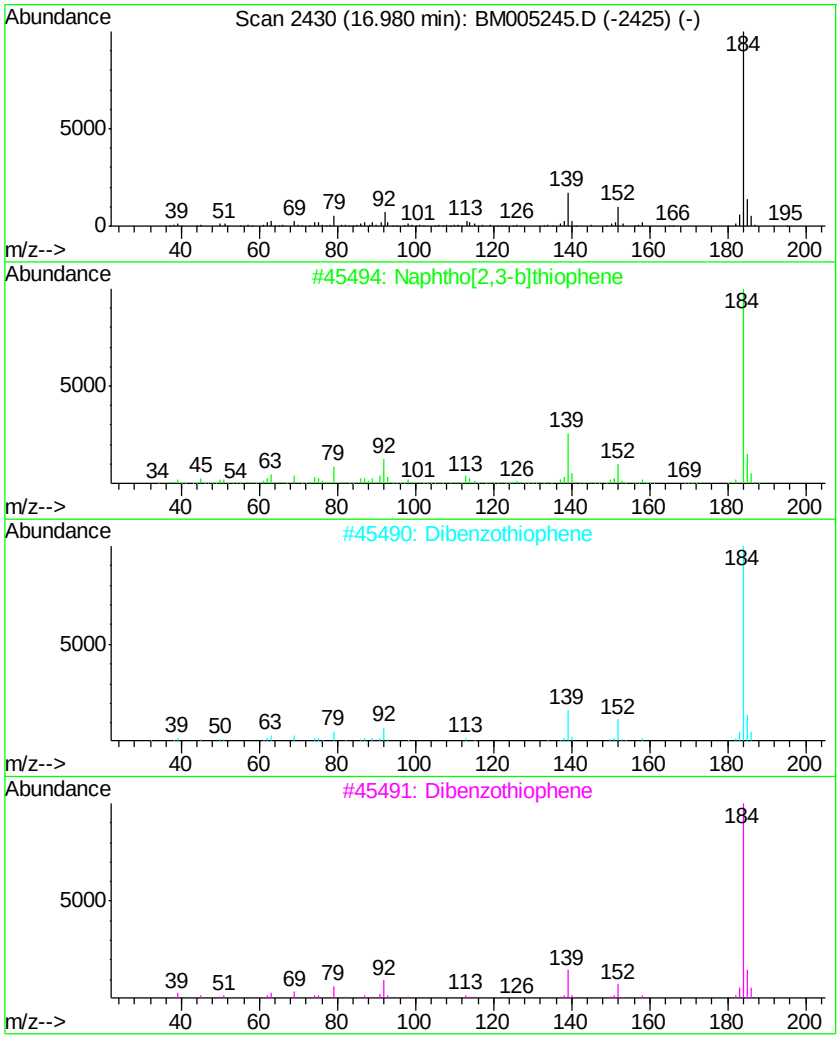
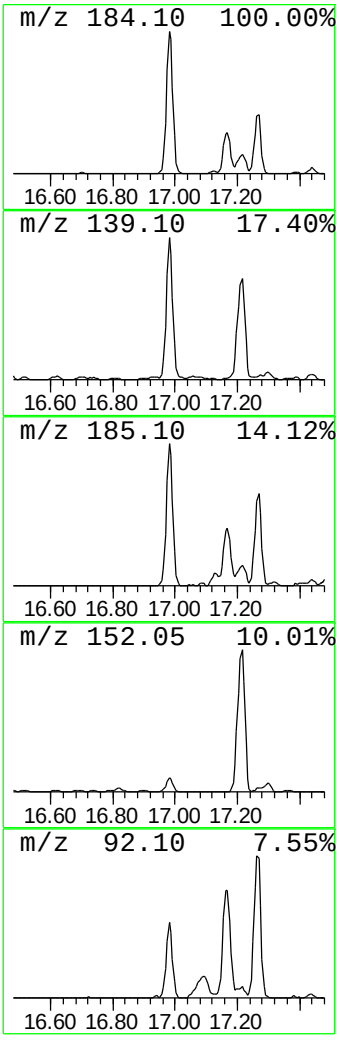
Peak Number 28 Naphtho[2,3-b]thiophene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.98	7.45 ng/ul	660613	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Dibenzothiophene	184	C12H8S	000132-65-0	96
4	Dibenzothiophene	184	C12H8S	000132-65-0	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Data File : BM005245.D
Acq On : 05 May 2016 21:28
Operator : UM/SJ
Sample : H2813-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

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

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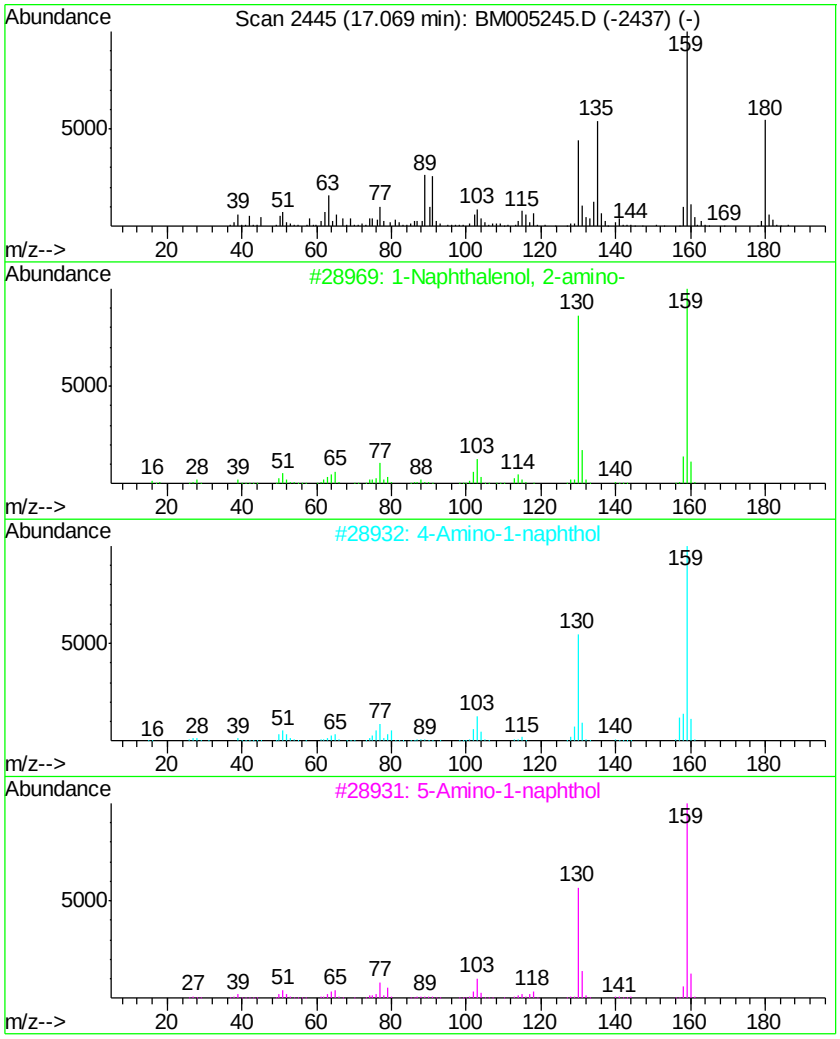
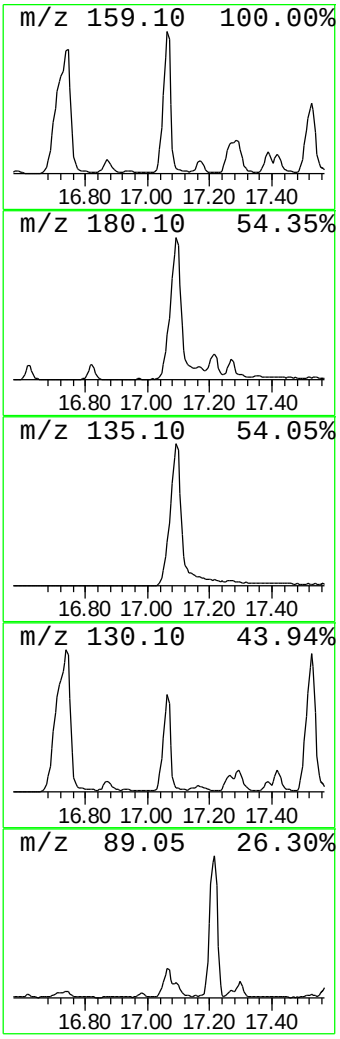
Peak Number 29 1-Naphthalenol, 2-amino- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.07	11.04 ng/ul	978488	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenol, 2-amino-	159	C10H9NO	000606-41-7	55
2	4-Amino-1-naphthol	159	C10H9NO	002834-90-4	55
3	5-Amino-1-naphthol	159	C10H9NO	000083-55-6	50
4	1-Naphthalenol, 6-amino-	159	C10H9NO	023894-12-4	50
5	2(1H)-Quinolinone, 3-methyl-	159	C10H9NO	002721-59-7	49





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Sample : H2813-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

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

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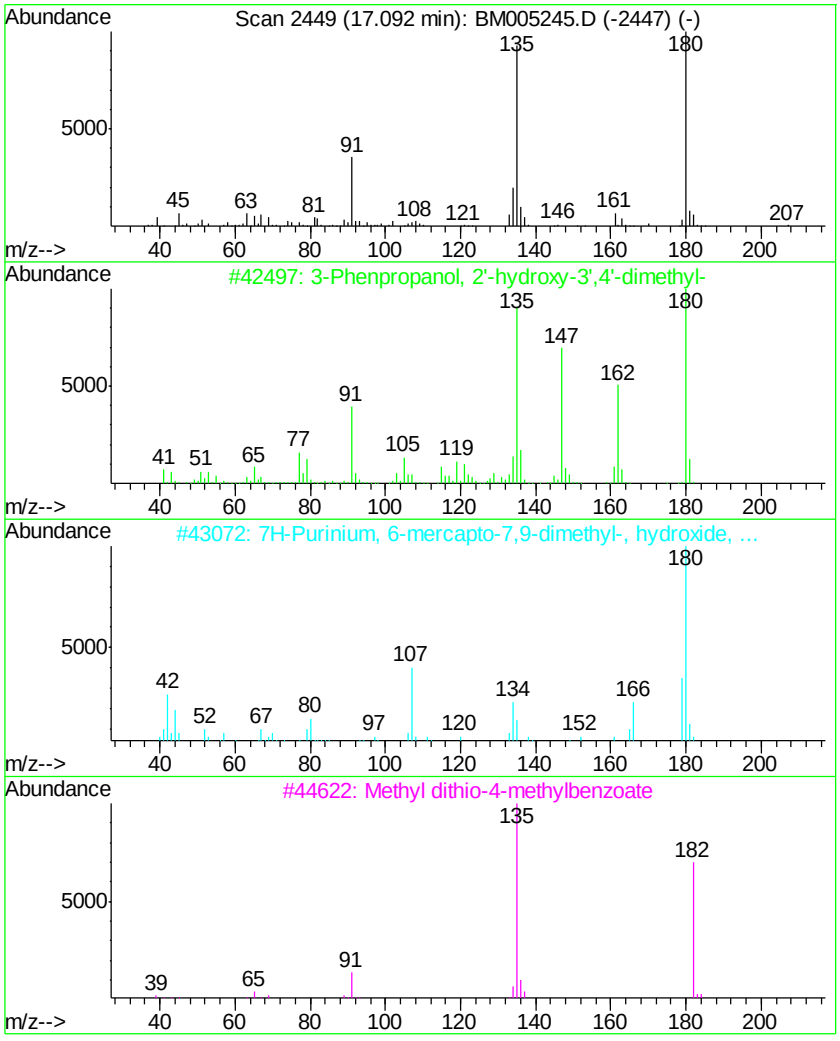
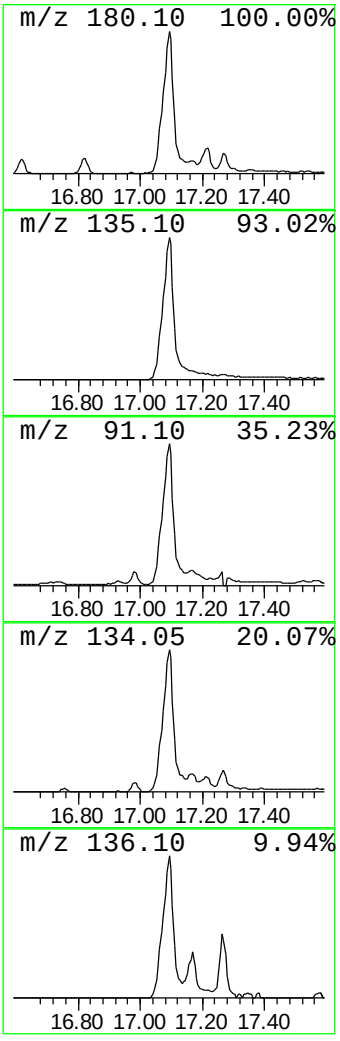
Peak Number 30 unknown-01 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.09	9.40 ng/ul	833298	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenpropanol, 2'-hydroxy-3',4'...	180	C11H16O2	040614-18-4	45
2	7H-Purinium, 6-mercapto-7,9-dime...	180	C7H8N4S	005752-11-4	43
3	Methyl dithio-4-methylbenzoate	182	C9H10S2	005977-87-7	38
4	Benzothiazole	135	C7H5NS	000095-16-9	27
5	2-Hydroxy-2-phenylbutyramide	179	C10H13NO2	052839-87-9	27





Tentatively Identified Compound (LSC) summary

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Data File : BM005245.D
Acq On : 05 May 2016 21:28
Operator : UM/SJ
Sample : H2813-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7P2

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM050516.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1,2,3-tr...	7.42	11.9	ng/ul	306332	1	7.78	513499	20.0
Benzofuran	7.50	12.7	ng/ul	324992	1	7.78	513499	20.0
Indane	8.15	34.4	ng/ul	883412	1	7.78	513499	20.0
Indene	8.30	78.8	ng/ul	2024010	1	7.78	513499	20.0
3-Phenyl-2-propyn...	9.12	23.3	ng/ul	598145	1	7.78	513499	20.0
Benzofuran, 2-met...	9.24	17.3	ng/ul	654866	2	10.57	757574	20.0
Benzene, 2-etheny...	9.96	11.8	ng/ul	445156	2	10.57	757574	20.0
Benzo[b]thiophene...	11.67	7.9	ng/ul	298320	2	10.57	757574	20.0
1H-Inden-1-one, 2...	11.95	4.2	ng/ul	158321	2	10.57	757574	20.0
Benzo[b]thiophene...	12.12	9.4	ng/ul	357817	2	10.57	757574	20.0
3-Methylbenzothio...	12.35	5.7	ng/ul	216827	2	10.57	757574	20.0
Naphthalene, 1-et...	13.44	7.9	ng/ul	627668	3	14.42	1580580	20.0
Naphthalene, 1,6-...	13.59	15.0	ng/ul	1186360	3	14.42	1580580	20.0
Naphthalene, 2,3-...	13.73	14.6	ng/ul	1153740	3	14.42	1580580	20.0
Naphthalene, 1,7-...	13.97	4.9	ng/ul	385798	3	14.42	1580580	20.0
2-Naphthalenecarb...	14.55	3.2	ng/ul	252942	3	14.42	1580580	20.0
1-Isopropenylnaph...	14.73	2.6	ng/ul	207574	3	14.42	1580580	20.0
Nordiphenamid	15.63	4.0	ng/ul	315979	3	14.42	1580580	20.0
[1,1'-Biphenyl]-4...	15.76	6.1	ng/ul	483818	3	14.42	1580580	20.0
Dibenzofuran, 4-m...	15.90	6.9	ng/ul	613750	4	17.17	1772350	20.0
1(2H)-Quinolineca...	16.16	19.3	ng/ul	1707040	4	17.17	1772350	20.0
Quinoline, 1,2,3,...	16.35	9.2	ng/ul	818920	4	17.17	1772350	20.0
2(1H)-Quinolinone...	16.74	13.4	ng/ul	1191030	4	17.17	1772350	20.0
Naphtho[2,3-b]thi...	16.98	7.5	ng/ul	660613	4	17.17	1772350	20.0
1-Naphthalenol, 2...	17.07	11.0	ng/ul	978488	4	17.17	1772350	20.0
unknown-01	17.09	9.4	ng/ul	833298	4	17.17	1772350	20.0