LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005248.D
Acq On : 05 May 2016 23:17
Operator : UM/SJ
Sample : H2813-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7R8

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	462	467	476	rVB	37364	73176	1.02%	0.147%
2	6.945	715	724	729	rVV2	54675	103552	1.45%	0.207%
3	7.104	745	751	759	rBV	254623	411826	5.75%	0.825%
4	7.304	778	785	796	rBV	245923	404949	5.65%	0.811%
5	7.422	799	805	812	rVV	106286	168275	2.35%	0.337%
6	7.498	812	818	827	rVB	42109	72962	1.02%	0.146%
7	7.775	857	865	872	rBV	324356	524518	7.32%	1.050%
8	8.145	921	928	936	rVB	340087	551670	7.70%	1.105%
9	8.304	949	955	967	rVB	505778	836006	11.67%	1.674%
10	8.475	979	984	998	rBV	188117	311101	4.34%	0.623%
11	8.928	1055	1061	1076	rVB	327276	597949	8.35%	1.197%
12	9.245	1108	1115	1122	rBV	65714	134221	1.87%	0.269%
13	9.651	1177	1184	1196	rBV	278760	471776	6.59%	0.945%
14	9.963	1230	1237	1248	rBV3	68505	171844	2.40%	0.344%
15	10.186	1269	1275	1286	rBV2	424343	747909	10.44%	1.498%
16	10.563	1332	1339	1342	rBV	490173	852880	11.91%	1.708%
17	10.622	1342	1349	1357	rVV	3657773	7162804	100.00%	14.344%
18	10.733	1360	1368	1378	rVB	254248	443630	6.19%	0.888%
19	12.227	1613	1622	1630	rBV	1910667	3195506	44.61%	6.399%
20	12.345	1636	1642	1647	rVB	42210	72846	1.02%	0.146%
21	12.445	1647	1659	1672	rVB	1017192	1727259	24.11%	3.459%
22	13.245	1787	1795	1801	rBV	391891	608563	8.50%	1.219%
23	13.439	1822	1828	1839	rVB	96095	167720	2.34%	0.336%
24	13.586	1841	1853	1861	rBV2	117075	306326	4.28%	0.613%
25	13.733	1871	1878	1883	rBV	167763	302332	4.22%	0.605%
26	13.786	1883	1887	1889	rVV	113239	159196	2.22%	0.319%
27	13.821	1889	1893	1906	rVB	880019	1258591	17.57%	2.520%
28	13.968	1913	1918	1922	rBV	60475	93675	1.31%	0.188%
29	14.110	1931	1942	1957	rBV	962300	1619088	22.60%	3.242%
30	14.415	1984	1994	2000	rBV2	854186	1392579	19.44%	2.789%
31	14.480	2000	2005	2012	rVV	1501463	2265042	31.62%	4.536%
32	14.551	2012	2017	2022	rVB	73457	103436	1.44%	0.207%
33	14.627	2024	2030	2039	rBV3	45122	87614	1.22%	0.175%
34	14.815	2056	2062	2071	rVV	870125	1308548	18.27%	2.620%

LSC Area Percent Report

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Data File : BM005248.D
Acq On : 05 May 2016 23:17
Operator : UM/SJ
Sample : H2813-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7R8

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	15.410	2149	2163	2168	rBV	1306499	1931797	26.97%	3.869%
36	15.468	2168	2173	2179	rVB	870475	1270273	17.73%	2.544%
37	15.533	2179	2184	2191	rBV	433994	635506	8.87%	1.273%
38	15.627	2196	2200	2206	rVB2	50218	76185	1.06%	0.153%
39	15.757	2219	2222	2230	rVB	53769	74576	1.04%	0.149%
40	15.904	2238	2247	2257	rVB	62358	121710	1.70%	0.244%
41	16.980	2422	2430	2436	rBV	99162	141536	1.98%	0.283%
42	17.162	2455	2461	2465	rBV2	1160179	1736708	24.25%	3.478%
43	17.204	2465	2468	2473	rVV	1204231	1710102	23.87%	3.425%
44	17.262	2473	2478	2490	rVB2	1523537	2304233	32.17%	4.614%
45	17.568	2521	2530	2540	rVB	305758	424391	5.92%	0.850%
46	18.086	2614	2618	2622	rVV	70526	93351	1.30%	0.187%
47	18.233	2637	2643	2648	rBV2	78054	120881	1.69%	0.242%
48	19.221	2807	2811	2816	rVB	153192	200391	2.80%	0.401%
49	19.562	2862	2869	2882	rBV	1848345	2764792	38.60%	5.537%
50	21.021	3112	3117	3122	rBV	51120	86116	1.20%	0.172%
51	21.074	3122	3126	3131	rVB	82062	106214	1.48%	0.213%
52	21.356	3168	3174	3183	rBV	1641277	2229882	31.13%	4.465%
53	22.538	3371	3375	3381	rVB2	52663	73901	1.03%	0.148%
54	23.485	3528	3536	3548	rBV2	1353593	2668431	37.25%	5.344%
55	23.627	3552	3560	3570	rBV2	1074770	2085719	29.12%	4.177%
56	24.132	3641	3646	3657	rVB	66888	133891	1.87%	0.268%
57	24.891	3769	3775	3782	rVB	65350	133190	1.86%	0.267%
58	25.768	3919	3924	3933	rVB	42031	103394	1.44%	0.207%

Sum of corrected areas: 49936539

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Misc :
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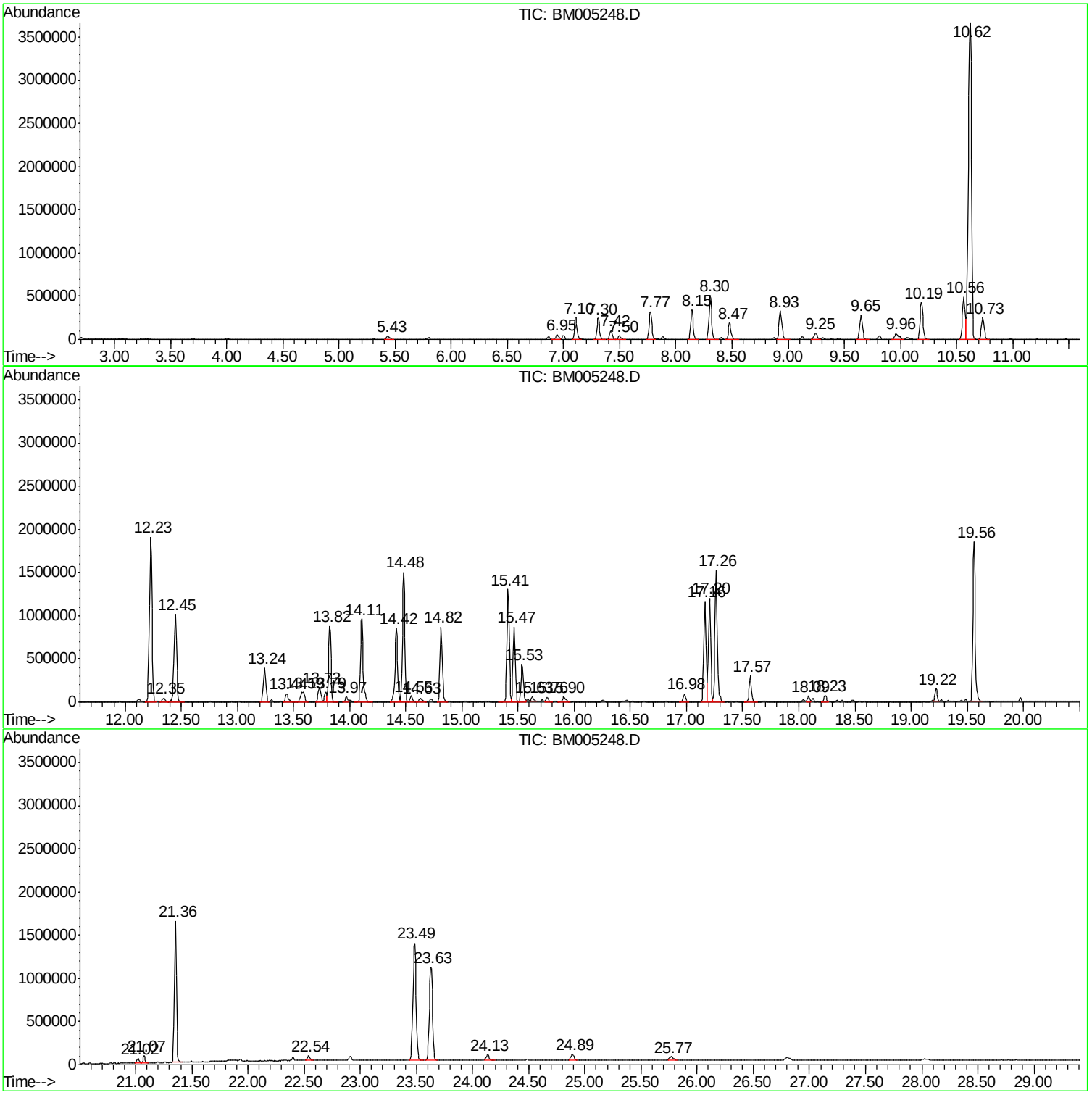
Instrument : BNA_M
ClientSampleId : BC7R8

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 : BM005248.D
Acq On : 05 May 2016 23:17
Operator : UM/SJ
Sample : H2813-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
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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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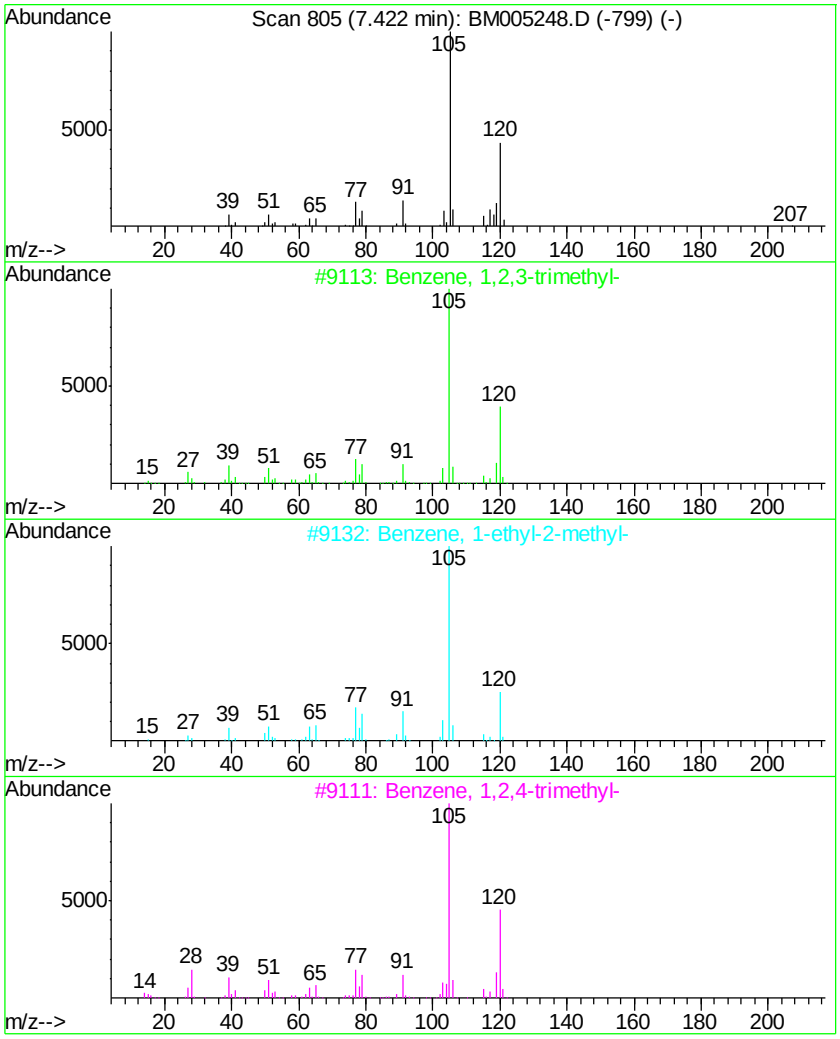
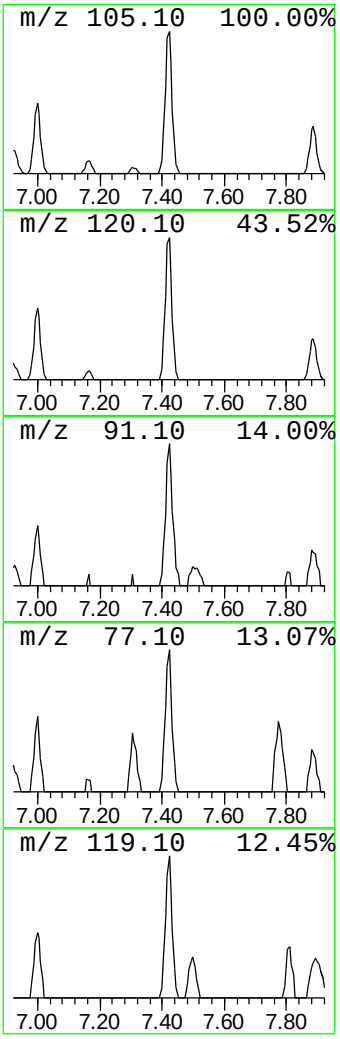
Peak Number 2 Benzene, 1,2,3-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.42	6.42 ng/ul	168275	1,4-Dichlorobenzene-d4	7.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93
4	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	90
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90





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Data File : BM005248.D
Acq On : 05 May 2016 23:17
Operator : UM/SJ
Sample : H2813-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7R8

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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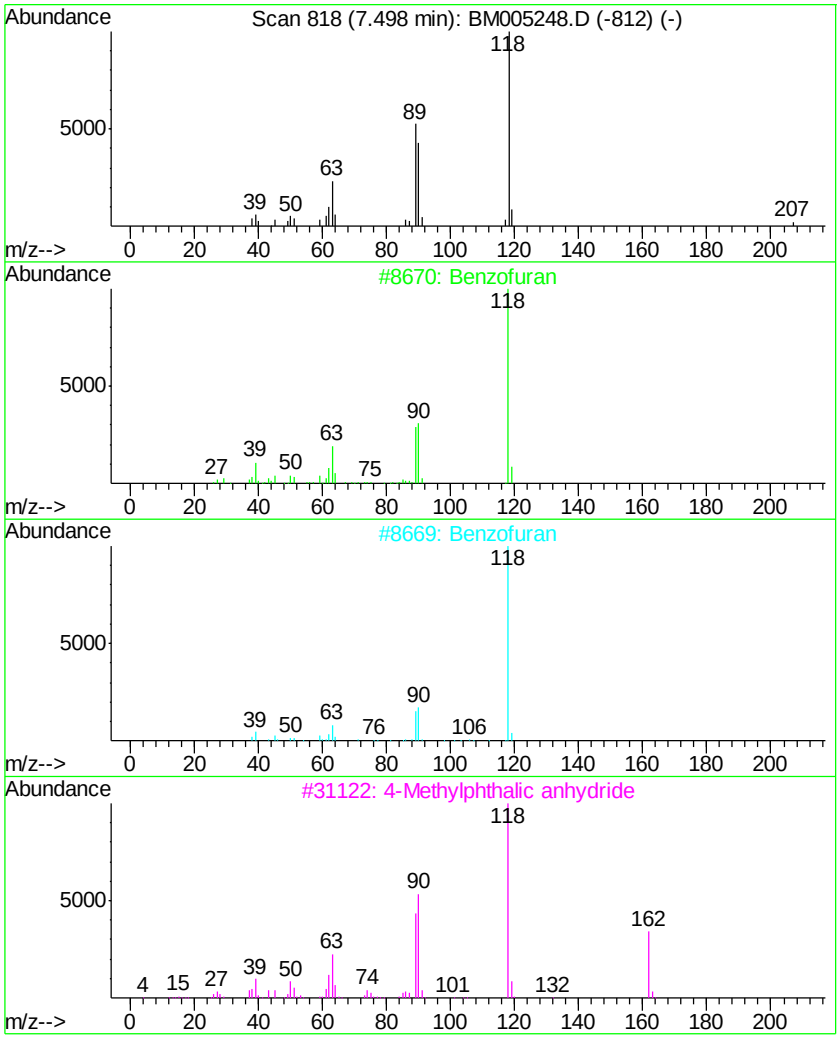
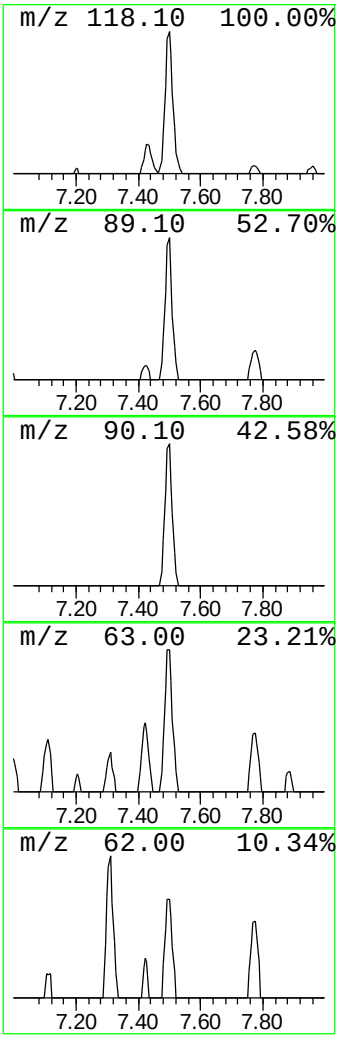
Peak Number 3 Benzofuran Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.50	2.78 ng/ul	72962	1,4-Dichlorobenzene-d4	7.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	91
2	Benzofuran	118	C8H6O	000271-89-6	87
3	4-Methylphthalic anhydride	162	C9H6O3	001938-61-0	86
4	Benzofuran	118	C8H6O	000271-89-6	86
5	3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	83





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005248.D
Acq On : 05 May 2016 23:17
Operator : UM/SJ
Sample : H2813-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7R8

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

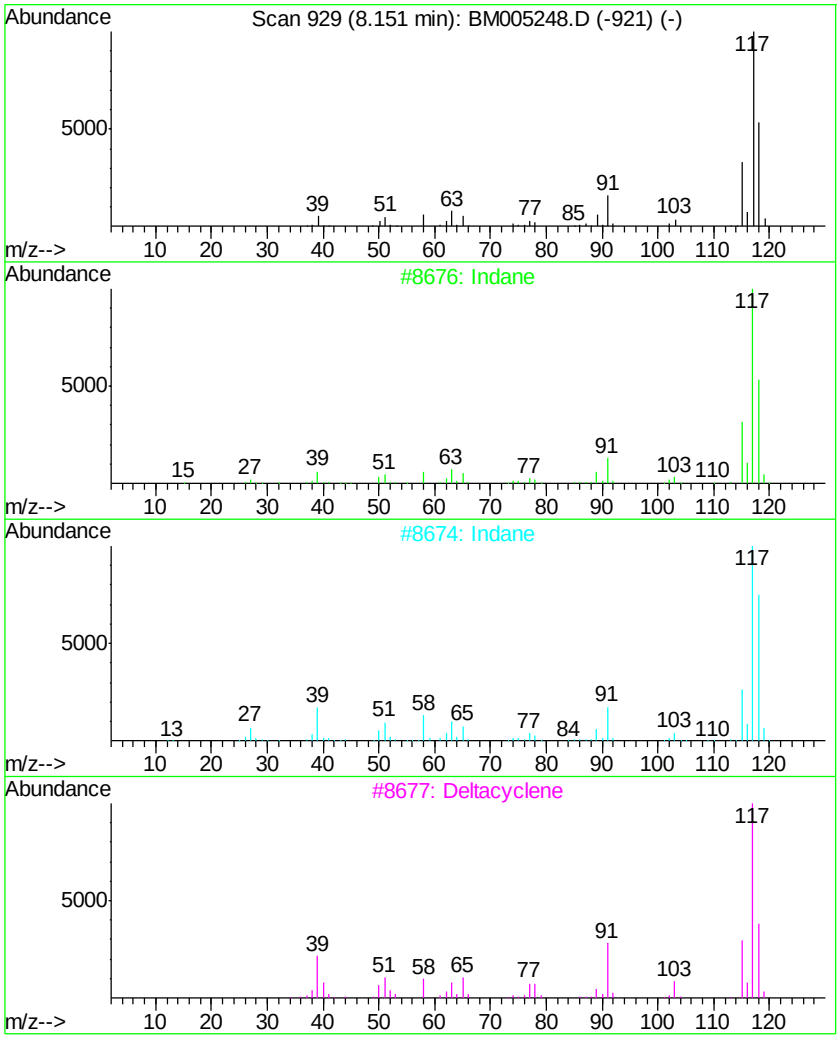
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

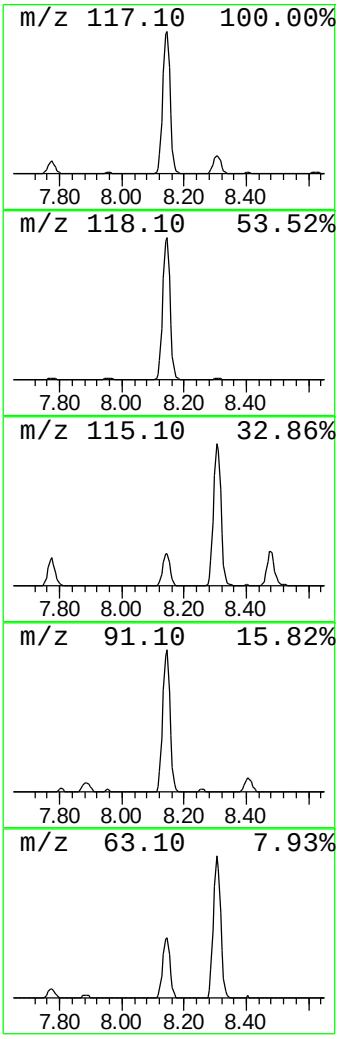
****

Peak Number 4 Indane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	21.04 ng/ul	551670	1,4-Dichlorobenzene-d4	7.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Indane	118	C9H10	000496-11-7	91
3	Deltacyclene	118	C9H10	007785-10-6	72
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	60





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005248.D
Acq On : 05 May 2016 23:17
Operator : UM/SJ
Sample : H2813-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7R8

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

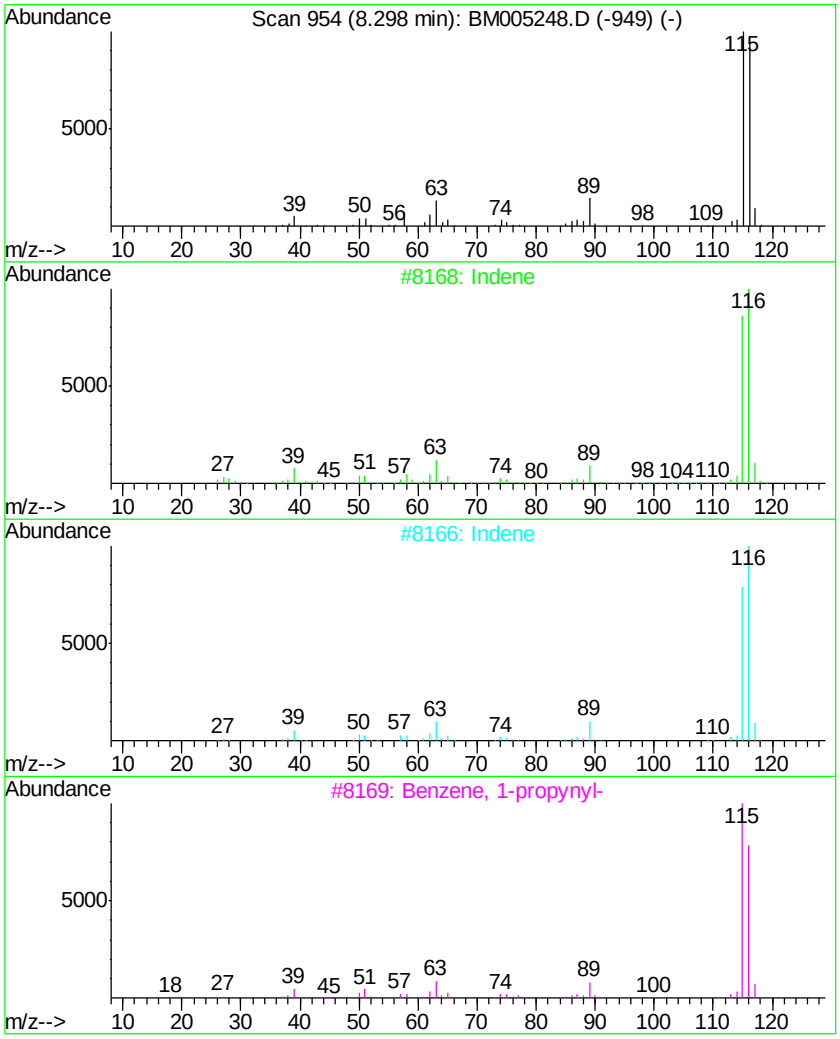
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

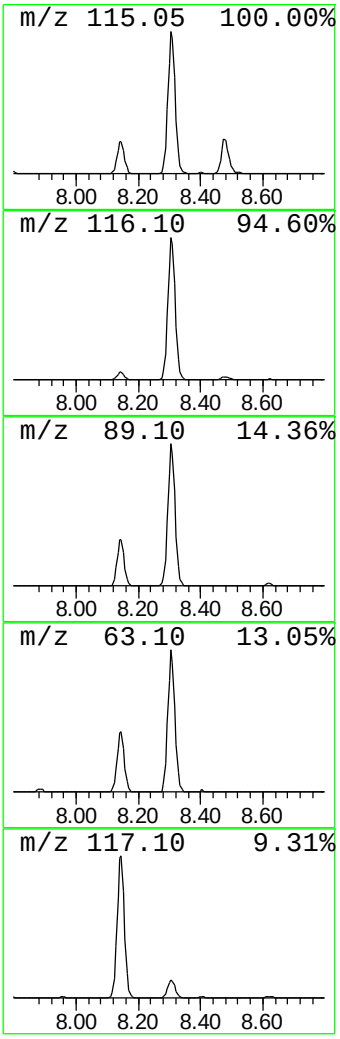
****

Peak Number 5 Indene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.30	31.88 ng/ul	836006	1,4-Dichlorobenzene-d4	7.77

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	91
4	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





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Sample : H2813-06
Misc :
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Instrument : BNA_M
ClientSampleId : BC7R8

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

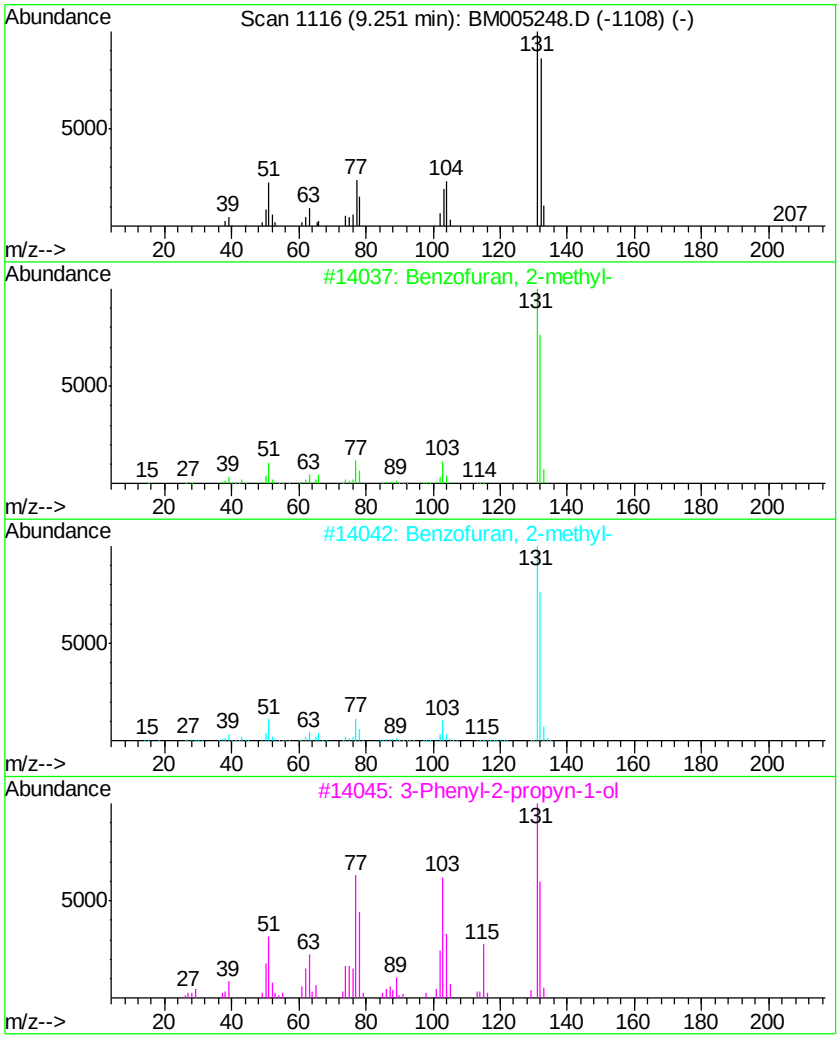
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

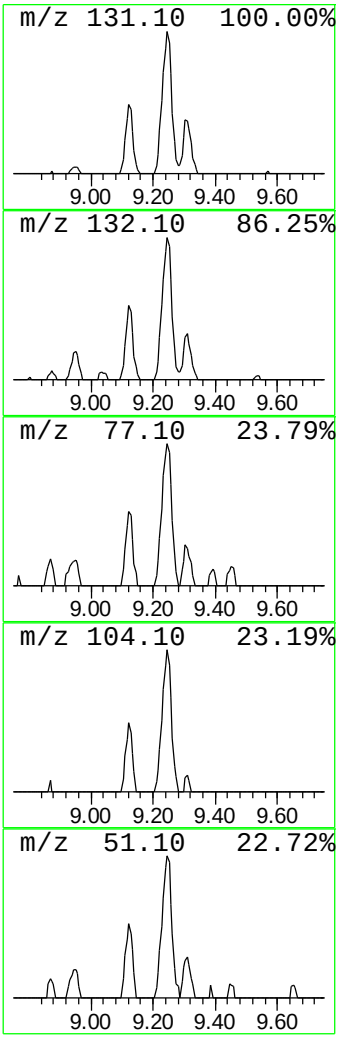
****

Peak Number 6 Benzofuran, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.25	3.15 ng/ul	134221	Naphthalene-d8	10.56

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	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	91
4	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	90
5	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	90





Library Search Compound Report

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Operator : UM/SJ
Sample : H2813-06
Misc :
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Instrument : BNA_M
ClientSampleId : BC7R8

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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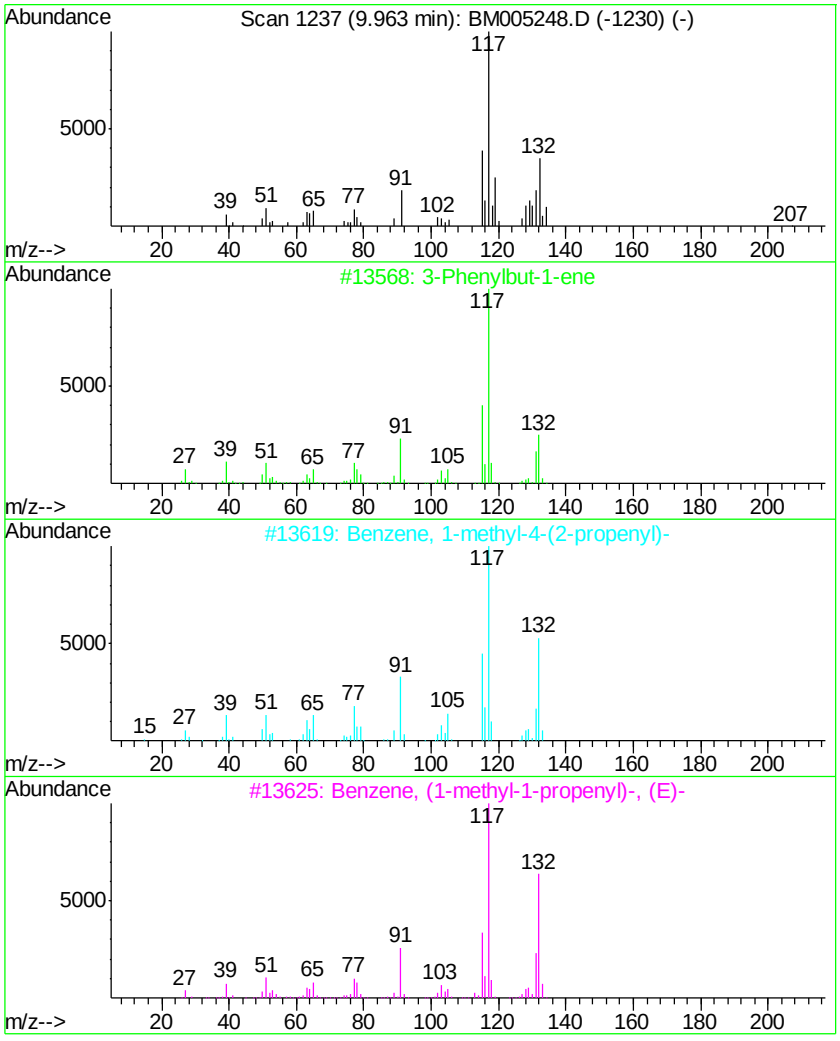
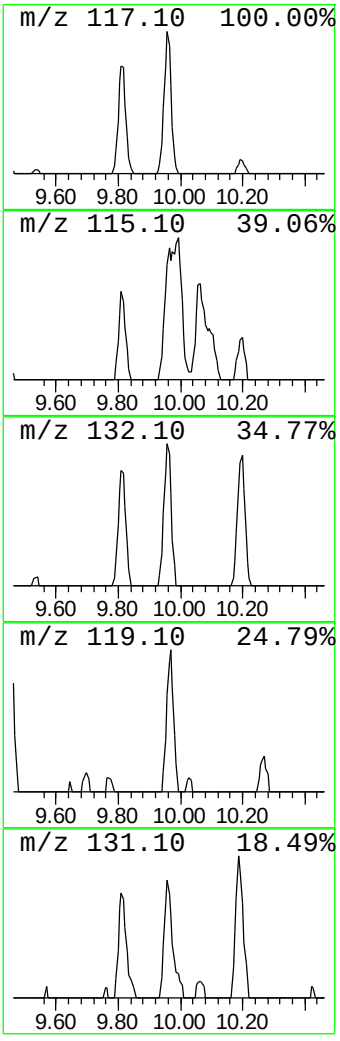
Peak Number 7 3-Phenylbut-1-ene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.96	4.03 ng/ul	171844	Naphthalene-d8	10.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	70
2	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	68
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	68
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	64
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	64





Library Search Compound Report

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Operator : UM/SJ
Sample : H2813-06
Misc :
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Instrument : BNA_M
ClientSampleId : BC7R8

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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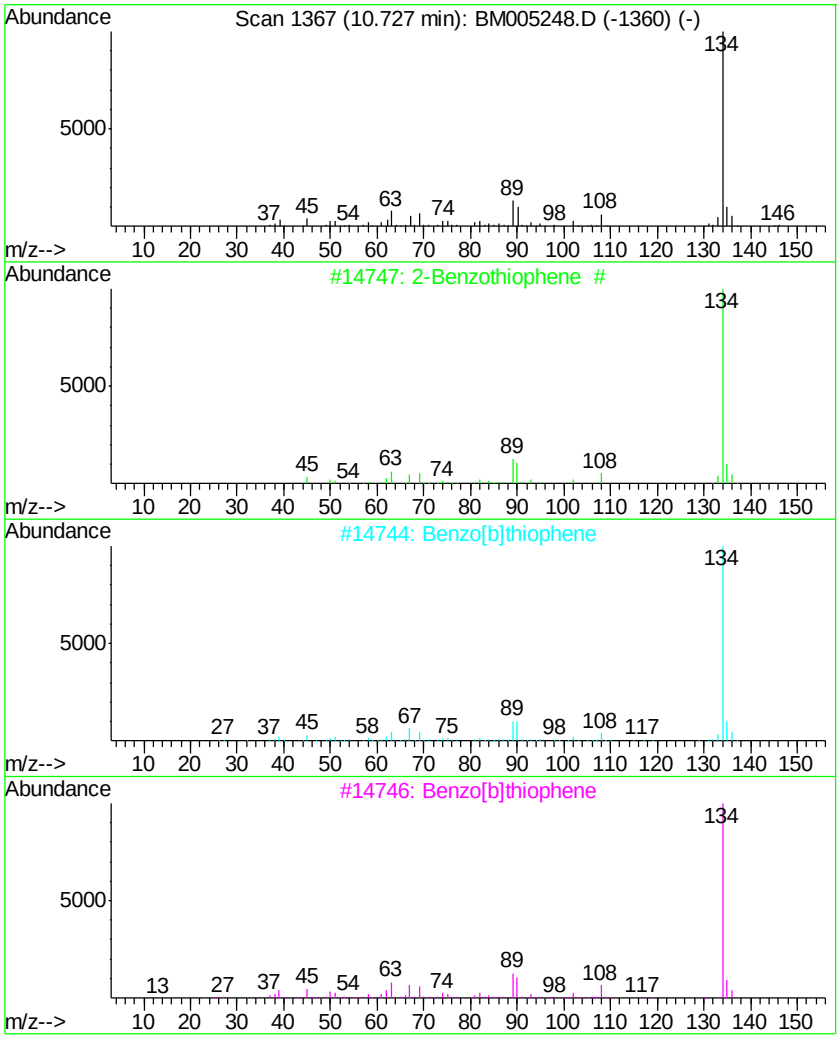
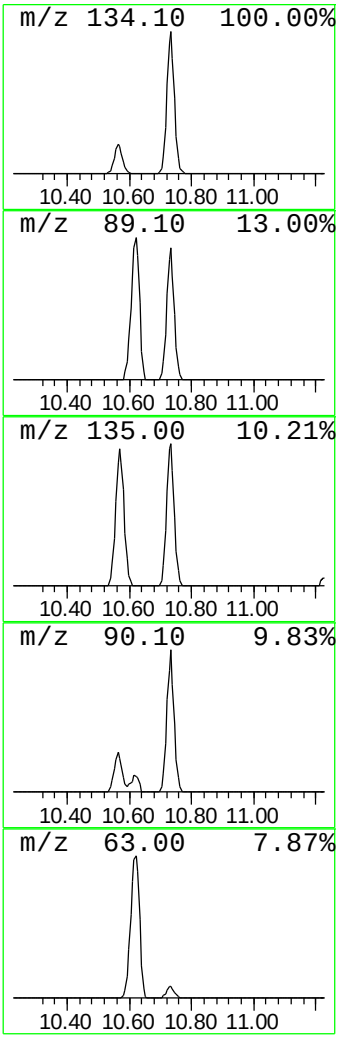
Peak Number 8 2-Benzothiophene # Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.73	10.40 ng/ul	443630	Naphthalene-d8	10.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Benzothiophene #	134	C8H6S	000270-82-6	97
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
5	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005248.D
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Operator : UM/SJ
Sample : H2813-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
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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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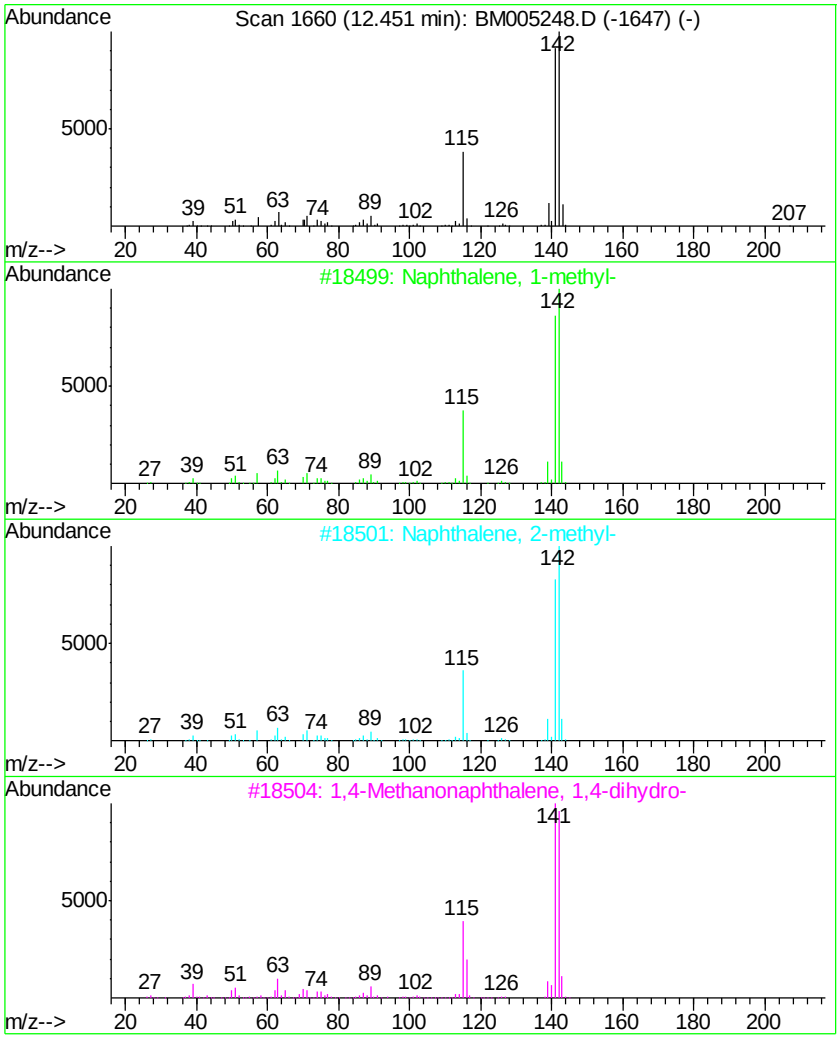
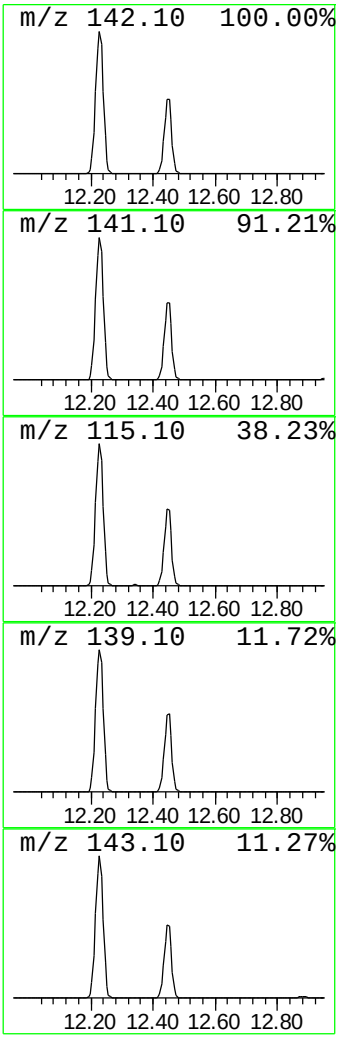
Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	40.50 ng/ul	1727260	Naphthalene-d8	10.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005248.D
Acq On : 05 May 2016 23:17
Operator : UM/SJ
Sample : H2813-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7R8

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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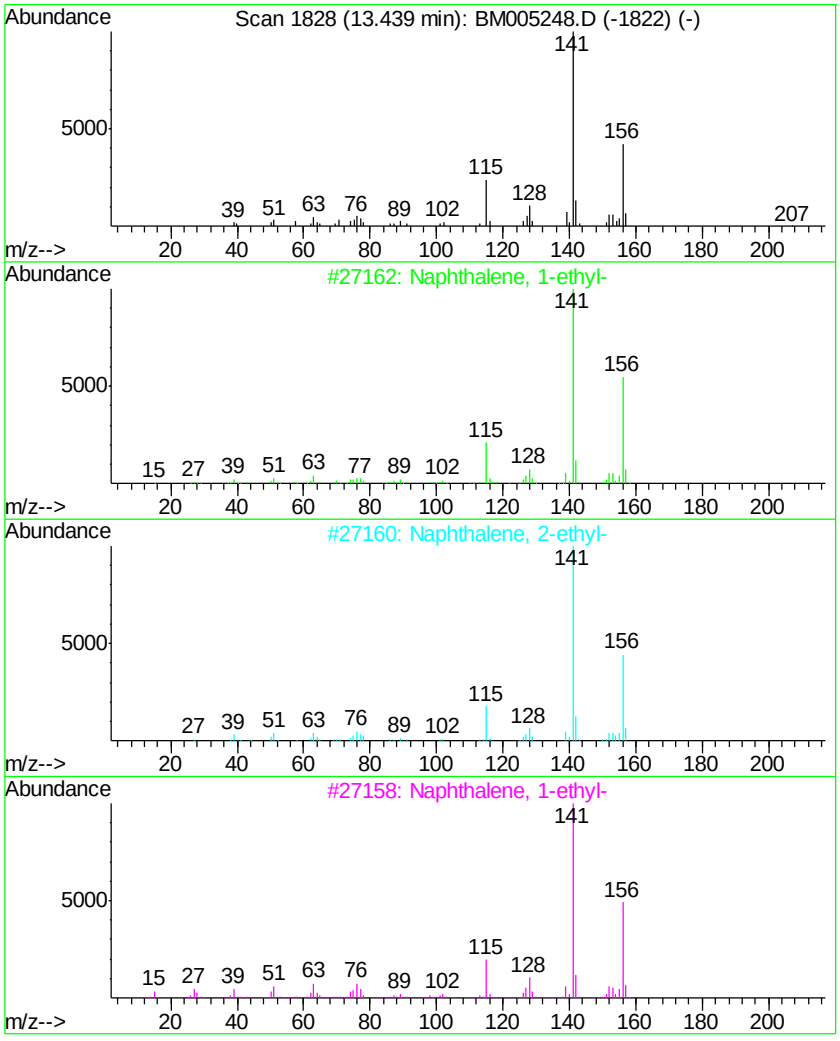
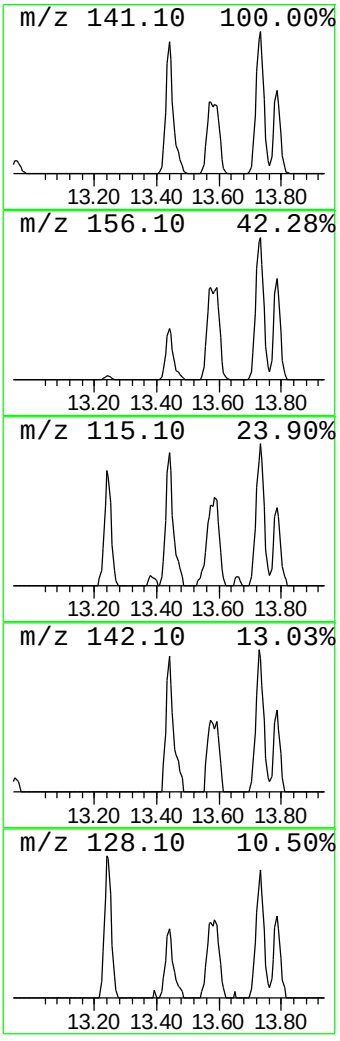
Peak Number 10 Naphthalene, 1-ethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.44	2.41 ng/ul	167720	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, 2-ethyl-	156	C12H12	000939-27-5	96
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	93
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	93





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005248.D
Acq On : 05 May 2016 23:17
Operator : UM/SJ
Sample : H2813-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7R8

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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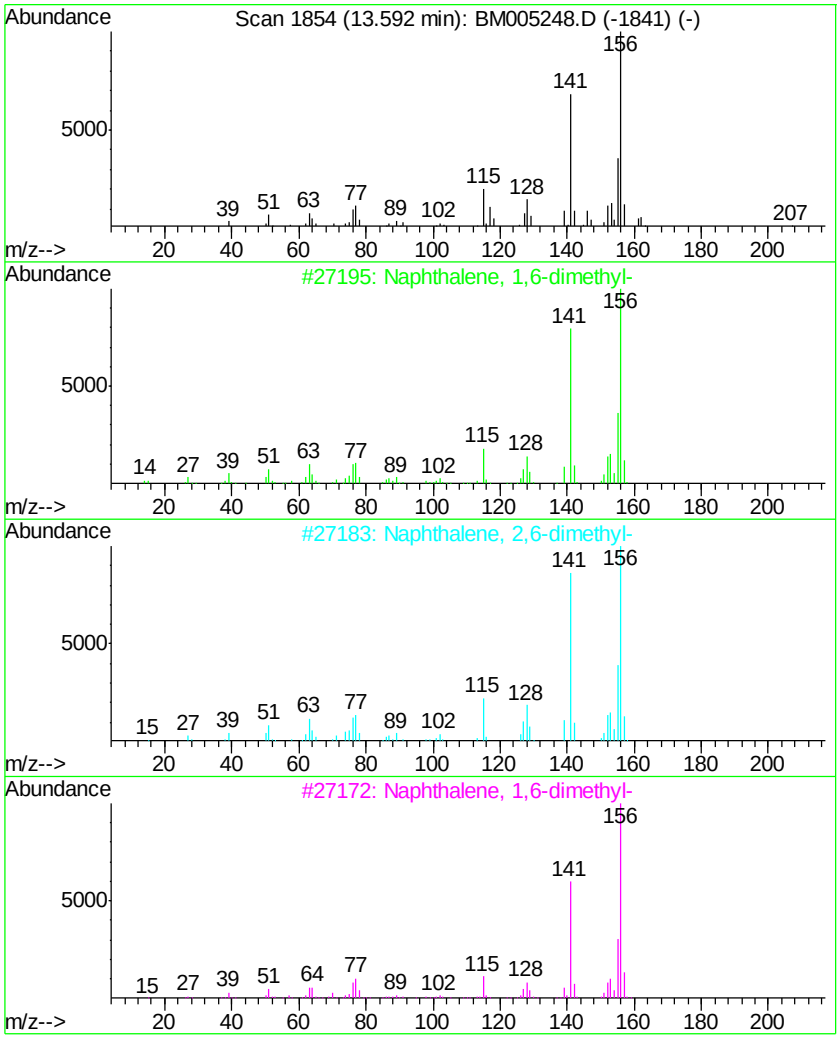
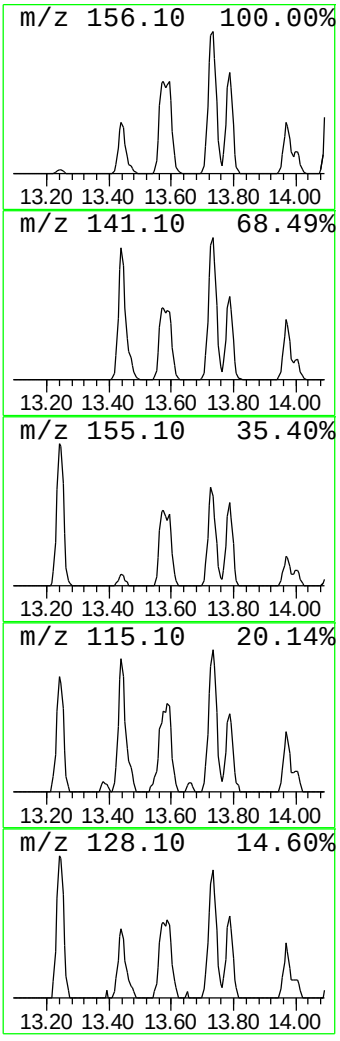
Peak Number 11 Naphthalene, 1,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.59	4.40 ng/ul	306326	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, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005248.D
Acq On : 05 May 2016 23:17
Operator : UM/SJ
Sample : H2813-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7R8

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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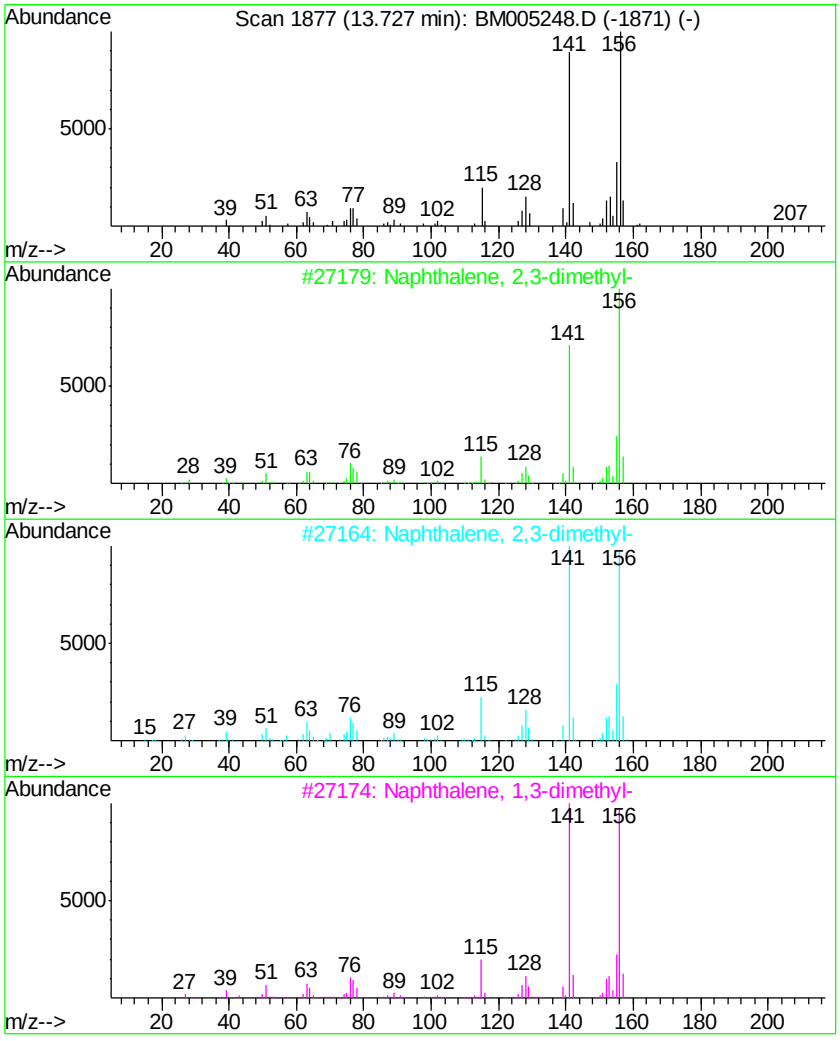
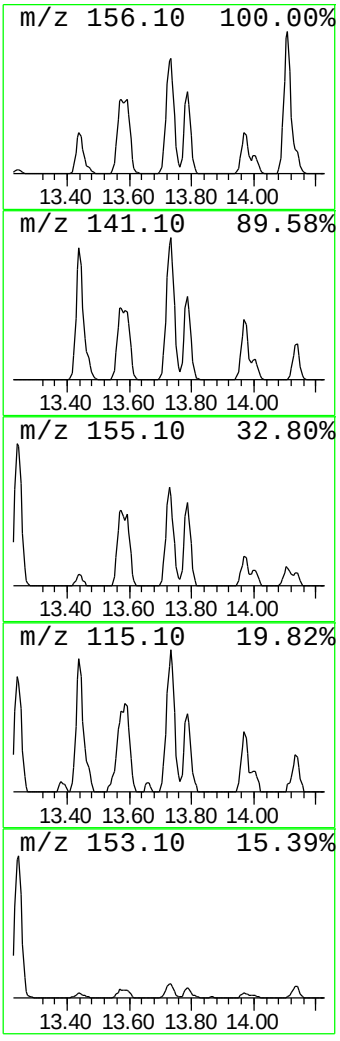
Peak Number 12 Naphthalene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	4.34 ng/ul	302332	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, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005248.D
Acq On : 05 May 2016 23:17
Operator : UM/SJ
Sample : H2813-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7R8

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	6.4	ng/ul	168275	1	7.77	524518	20.0
Benzofuran	7.50	2.8	ng/ul	72962	1	7.77	524518	20.0
Indane	8.15	21.0	ng/ul	551670	1	7.77	524518	20.0
Indene	8.30	31.9	ng/ul	836006	1	7.77	524518	20.0
Benzofuran, 2-met...	9.25	3.1	ng/ul	134221	2	10.56	852880	20.0
3-Phenylbut-1-ene	9.96	4.0	ng/ul	171844	2	10.56	852880	20.0
2-Benzothiophene #	10.73	10.4	ng/ul	443630	2	10.56	852880	20.0
Naphthalene, 1-me...	12.45	40.5	ng/ul	1727260	2	10.56	852880	20.0
Naphthalene, 1-et...	13.44	2.4	ng/ul	167720	3	14.42	1392580	20.0
Naphthalene, 1,6-...	13.59	4.4	ng/ul	306326	3	14.42	1392580	20.0
Naphthalene, 2,3-...	13.73	4.3	ng/ul	302332	3	14.42	1392580	20.0