LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005256.D
Acq On : 06 May 2016 04:11
Operator : UM/SJ
Sample : H2813-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7T4

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	5.840	532	536	544	rVB	102131	151504	1.06%	0.205%
2	7.110	745	752	758	rBV	224072	360584	2.53%	0.487%
3	7.310	779	786	795	rBV	226659	377333	2.64%	0.510%
4	7.422	795	805	811	rVB	106726	173171	1.21%	0.234%
5	7.775	857	865	871	rBV	352820	577010	4.04%	0.780%
6	8.139	921	927	935	rVB	304681	497954	3.49%	0.673%
7	8.304	949	955	961	rBV	483385	796704	5.58%	1.076%
8	8.475	979	984	996	rVB	199053	333479	2.34%	0.451%
9	8.928	1056	1061	1074	rVB	300621	540395	3.79%	0.730%
10	9.245	1104	1115	1121	rBV	122016	256475	1.80%	0.347%
11	9.651	1178	1184	1194	rVB	256487	428538	3.00%	0.579%
12	9.969	1232	1238	1248	rVB4	125514	382225	2.68%	0.516%
13	10.186	1269	1275	1285	rBV	384768	680446	4.77%	0.919%
14	10.569	1331	1340	1342	rBV	464459	840395	5.89%	1.135%
15	10.639	1342	1352	1358	rVV	5547210	14269580	100.00%	19.280%
16	10.733	1361	1368	1377	rVB	671346	1170854	8.21%	1.582%
17	12.233	1614	1623	1629	rBV	2833197	5095794	35.71%	6.885%
18	12.345	1636	1642	1648	rBV	91173	160379	1.12%	0.217%
19	12.451	1648	1660	1671	rVB	1740176	3007760	21.08%	4.064%
20	13.245	1788	1795	1800	rBV	692542	1050704	7.36%	1.420%
21	13.439	1822	1828	1838	rVB	166246	305711	2.14%	0.413%
22	13.574	1840	1851	1852	rBV	236354	368635	2.58%	0.498%
23	13.733	1871	1878	1883	rBV	394136	722521	5.06%	0.976%
24	13.786	1883	1887	1889	rVV	274914	386033	2.71%	0.522%
25	13.821	1889	1893	1899	rVB	808219	1190766	8.34%	1.609%
26	13.968	1910	1918	1922	rBV	168432	266961	1.87%	0.361%
27	14.010	1922	1925	1931	rVV2	91130	155866	1.09%	0.211%
28	14.104	1935	1941	1953	rVB2	877906	1662772	11.65%	2.247%
29	14.415	1984	1994	1999	rBV3	896523	1596583	11.19%	2.157%
30	14.480	1999	2005	2012	rVV	2044058	3205853	22.47%	4.331%
31	14.551	2012	2017	2024	rVB	271918	405394	2.84%	0.548%
32	14.627	2024	2030	2038	rBV2	80035	157632	1.10%	0.213%
33	14.815	2055	2062	2071	rVV	1725415	2717100	19.04%	3.671%
34	15.410	2147	2163	2168	rBV	1201820	1859688	13.03%	2.513%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005256.D
Acq On : 06 May 2016 04:11
Operator : UM/SJ
Sample : H2813-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7T4

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	15.468	2168	2173	2180	rVB	1809038	2704582	18.95%	3.654%
36	15.539	2180	2185	2191	rBV	428601	683366	4.79%	0.923%
37	15.627	2196	2200	2205	rVB2	101888	143857	1.01%	0.194%
38	15.757	2218	2222	2228	rVB	162619	225854	1.58%	0.305%
39	15.904	2243	2247	2258	rVB	188726	377851	2.65%	0.511%
40	16.468	2330	2343	2348	rBV2	97611	225104	1.58%	0.304%
41	16.980	2421	2430	2439	rVB	269460	418114	2.93%	0.565%
42	17.162	2456	2461	2465	rBV	1194583	1904954	13.35%	2.574%
43	17.209	2465	2469	2474	rVV	2751044	4087596	28.65%	5.523%
44	17.262	2474	2478	2482	rVV2	1457003	2148702	15.06%	2.903%
45	17.298	2482	2484	2490	rVB	195906	221776	1.55%	0.300%
46	17.568	2519	2530	2536	rBV	843155	1229238	8.61%	1.661%
47	18.086	2614	2618	2623	rVB	214797	294815	2.07%	0.398%
48	18.233	2636	2643	2647	rBV	229271	372972	2.61%	0.504%
49	18.339	2654	2661	2665	rBV2	75332	150915	1.06%	0.204%
50	19.221	2802	2811	2816	rBV	587864	837603	5.87%	1.132%
51	19.268	2816	2819	2825	rVB	250626	276710	1.94%	0.374%
52	19.562	2863	2869	2881	rVB2	1848758	3121710	21.88%	4.218%
53	20.303	2987	2995	3009	rBV	489119	972564	6.82%	1.314%
54	21.356	3167	3174	3179	rBV	1773162	2488303	17.44%	3.362%
55	23.485	3528	3536	3551	rVB2	1306052	2606338	18.26%	3.521%
56	23.627	3552	3560	3574	rVB2	1188483	2367836	16.59%	3.199%

Sum of corrected areas: 74013559

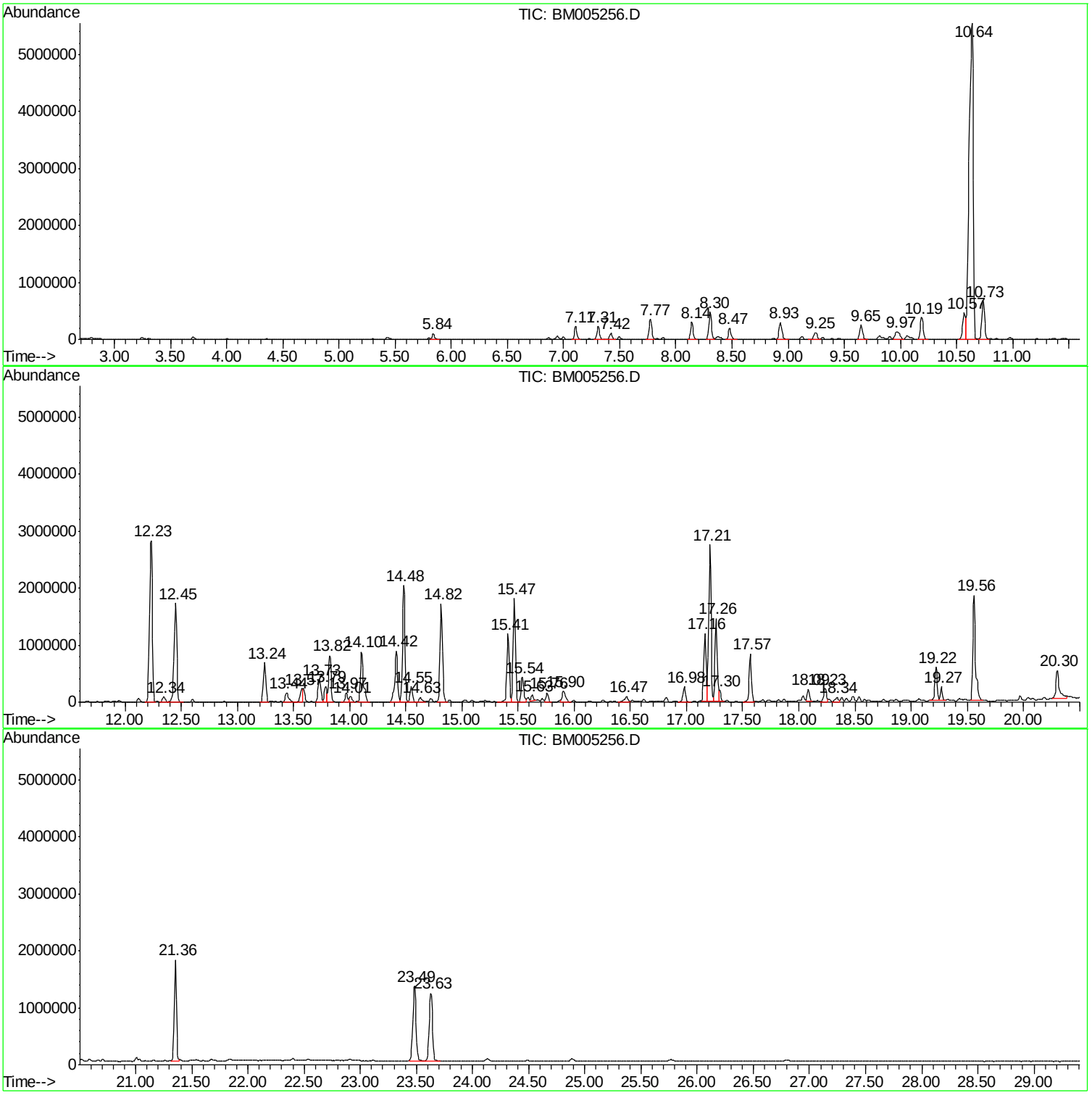
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005256.D
Acq On : 06 May 2016 04:11
Operator : UM/SJ
Sample : H2813-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7T4

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 : BM005256.D
Acq On : 06 May 2016 04:11
Operator : UM/SJ
Sample : H2813-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7T4

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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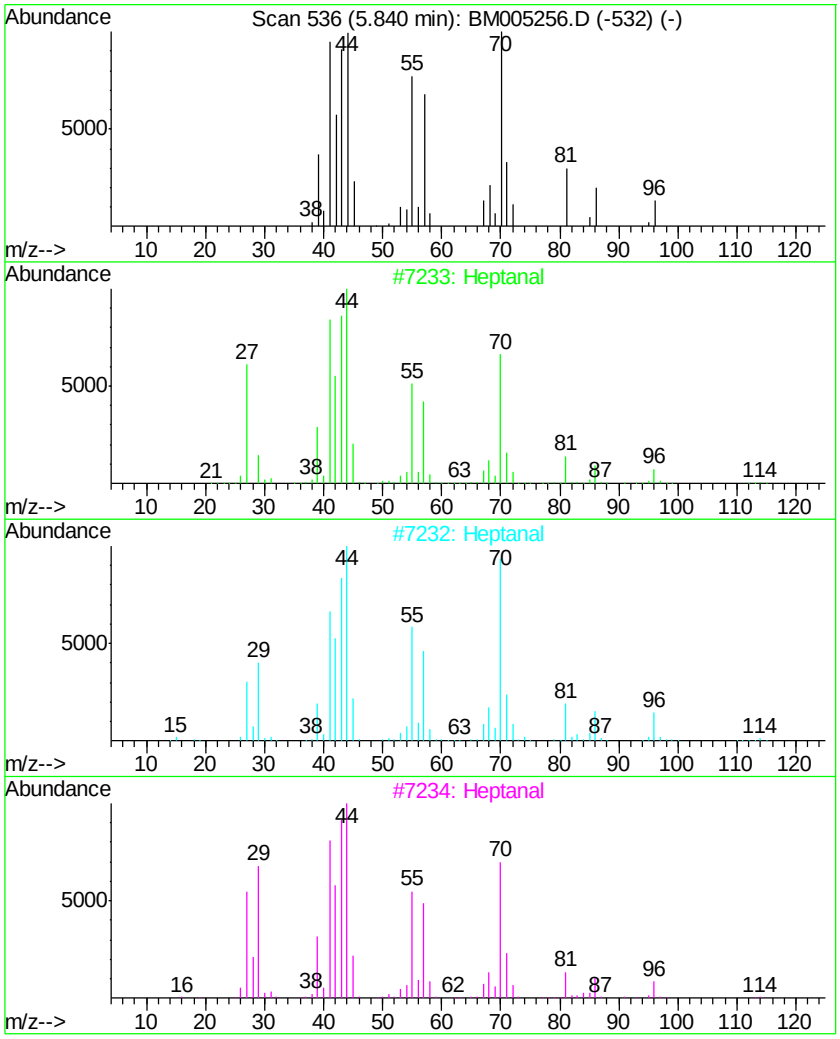
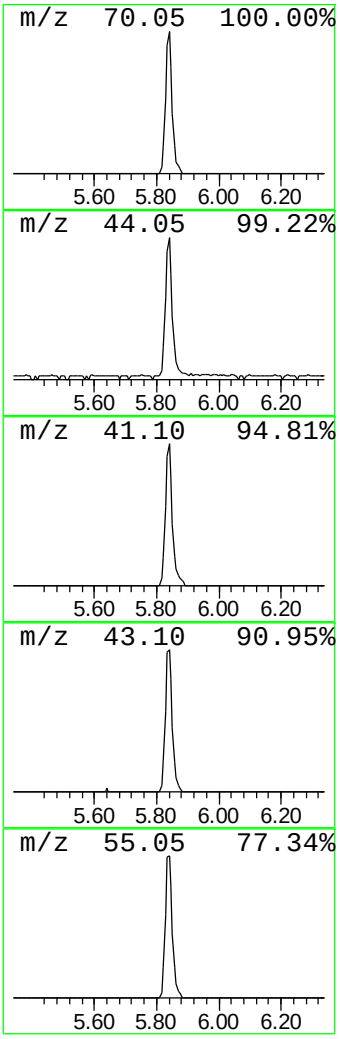
Peak Number 1 Heptanal Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.84	5.25 ng/ul	151504	1,4-Dichlorobenzene-d4	7.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanal	114	C7H14O	000111-71-7	90
2	Heptanal	114	C7H14O	000111-71-7	90
3	Heptanal	114	C7H14O	000111-71-7	86
4	Heptanal	114	C7H14O	000111-71-7	64
5	Pentane, 2-chloro-	106	C5H11Cl	000625-29-6	38





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005256.D
Acq On : 06 May 2016 04:11
Operator : UM/SJ
Sample : H2813-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7T4

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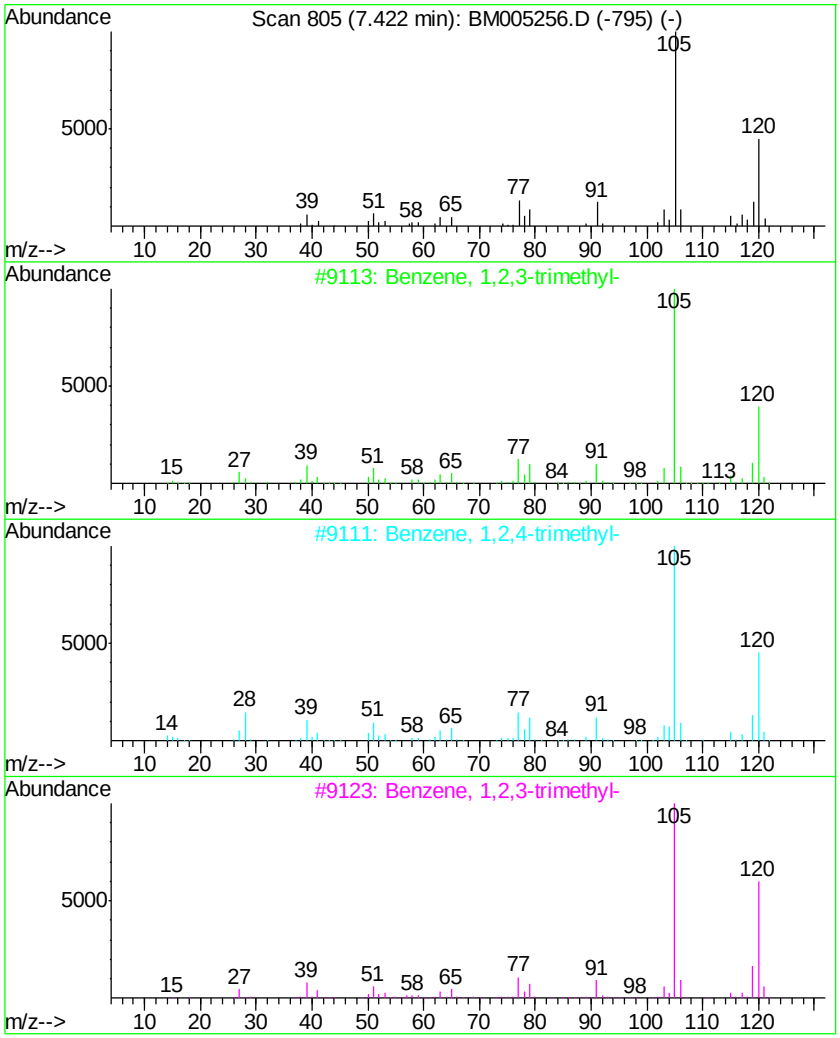
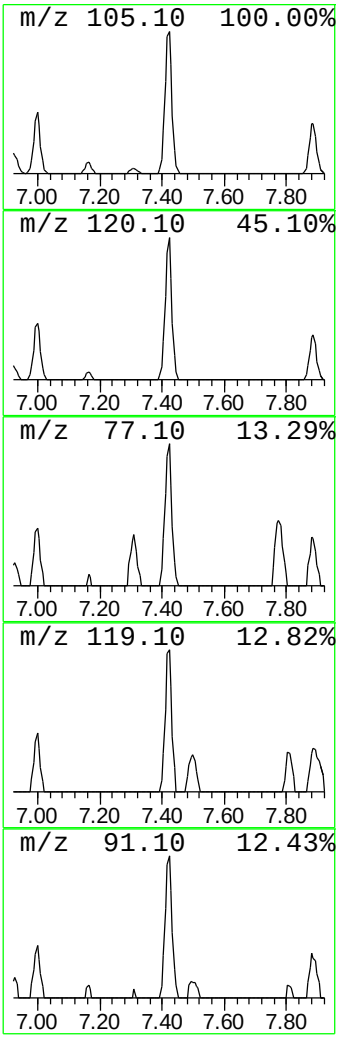
Peak Number 2 Benzene, 1,2,3-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.42	6.00 ng/ul	173171	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, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
4	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	90
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





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Data File : BM005256.D
Acq On : 06 May 2016 04:11
Operator : UM/SJ
Sample : H2813-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7T4

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

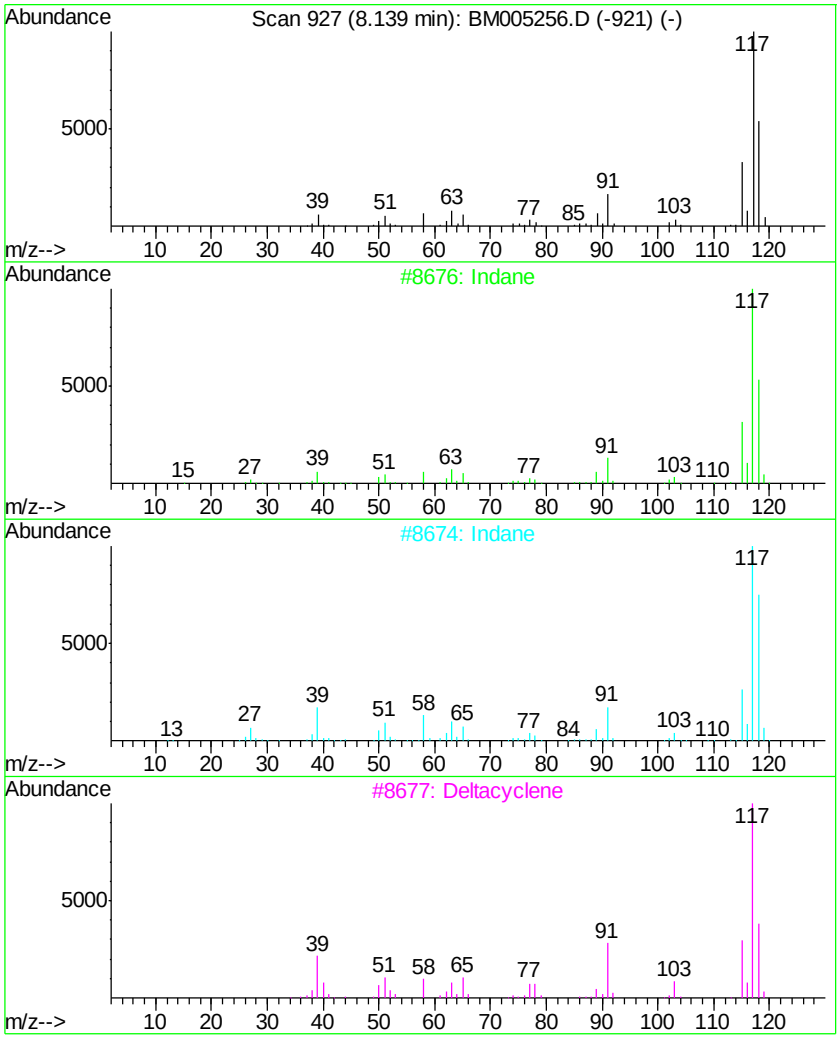
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

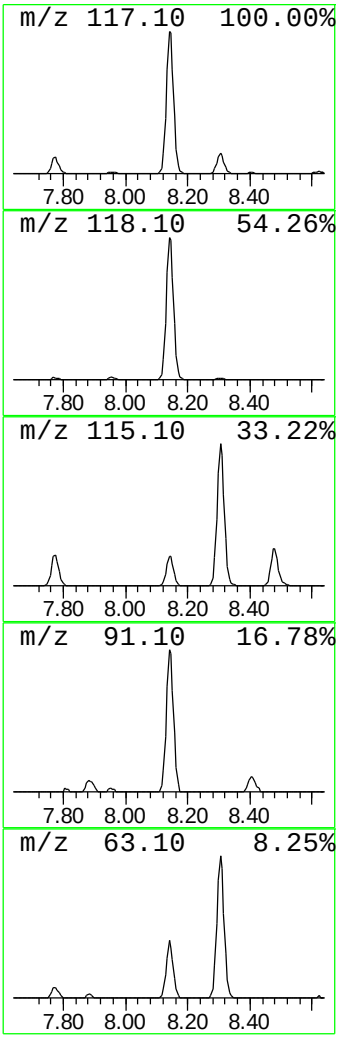
****

Peak Number 3 Indane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.14	17.26 ng/ul	497954	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\
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Acq On : 06 May 2016 04:11
Operator : UM/SJ
Sample : H2813-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7T4

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

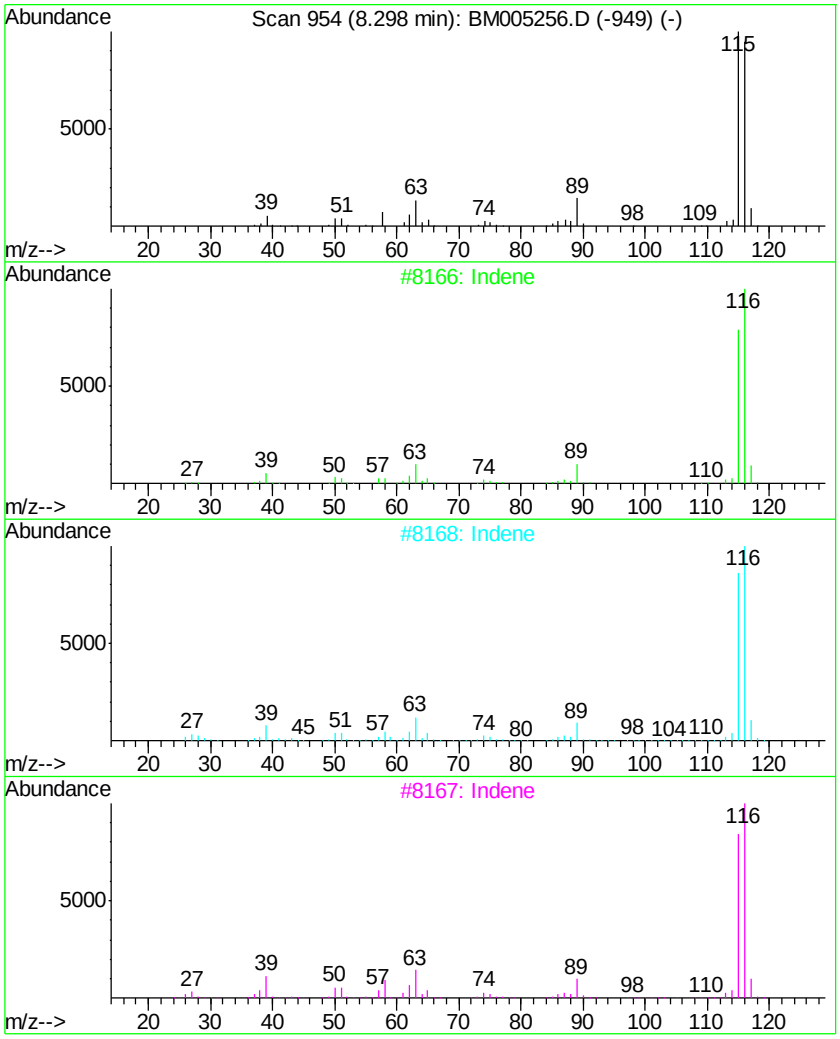
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

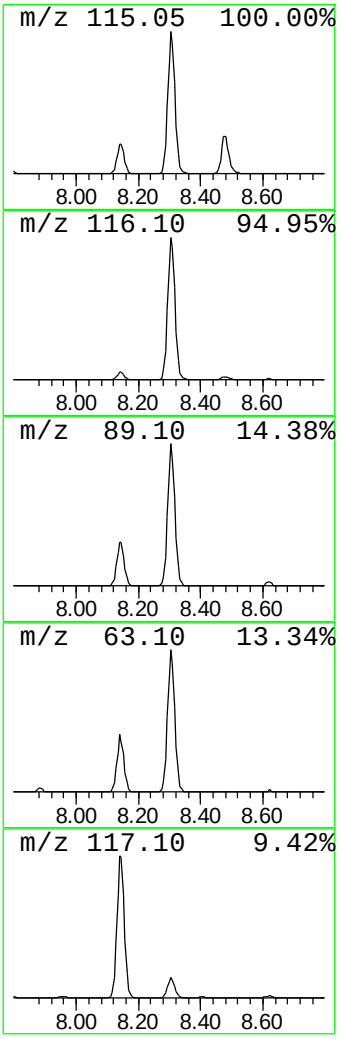
****

Peak Number 4 Indene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.30	27.61 ng/ul	796704	1,4-Dichlorobenzene-d4	7.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Indene	116	C9H8	000095-13-6	95
3	Indene	116	C9H8	000095-13-6	94
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 : H2813-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7T4

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

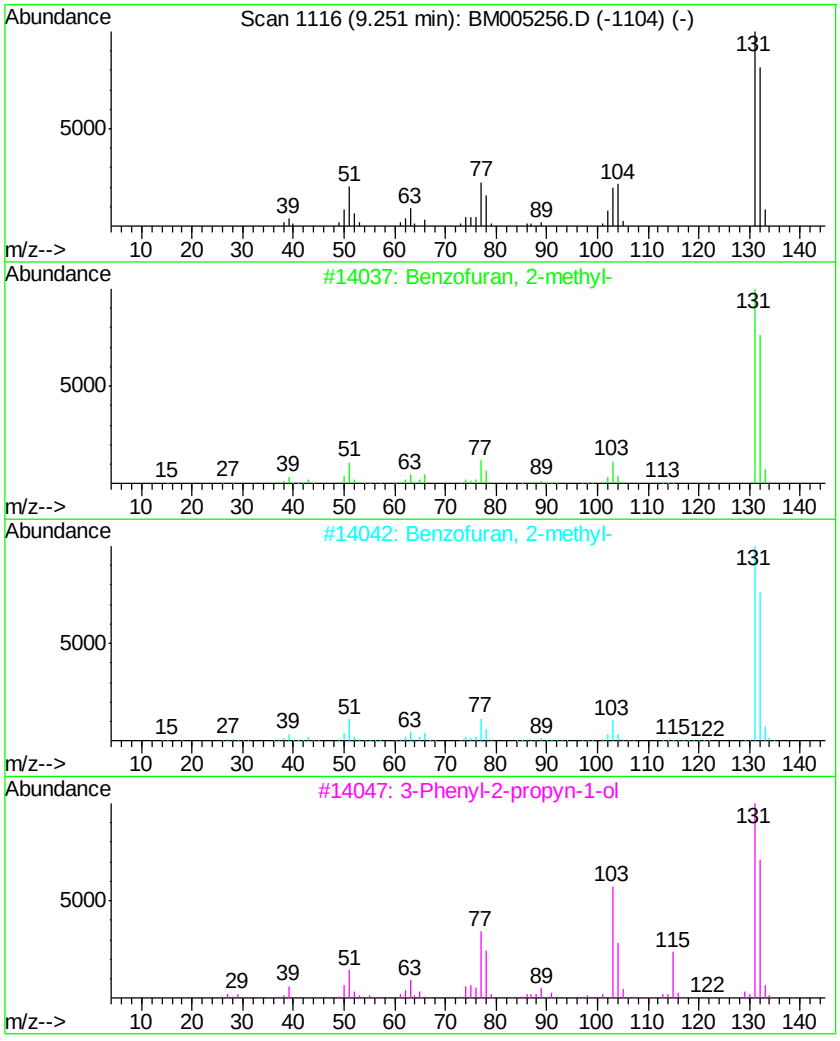
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

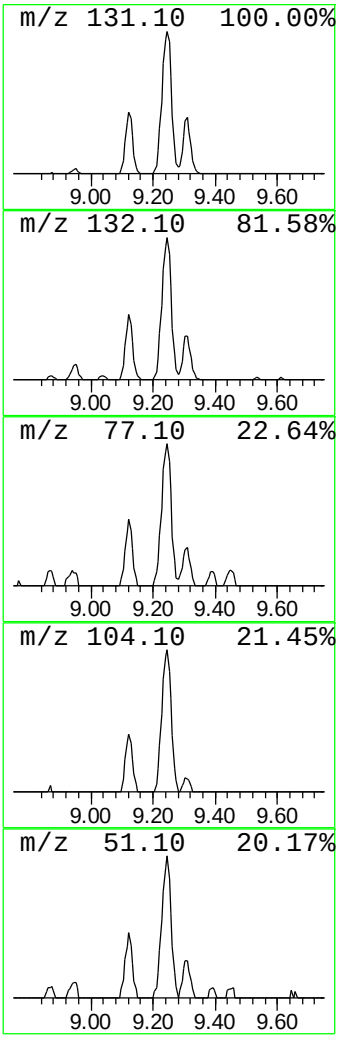
****

Peak Number 5 Benzofuran, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.25	6.10 ng/ul	256475	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	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	91
4	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	90
5	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
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Acq On : 06 May 2016 04:11
Operator : UM/SJ
Sample : H2813-13
Misc :
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Instrument : BNA_M
ClientSampleId : BC7T4

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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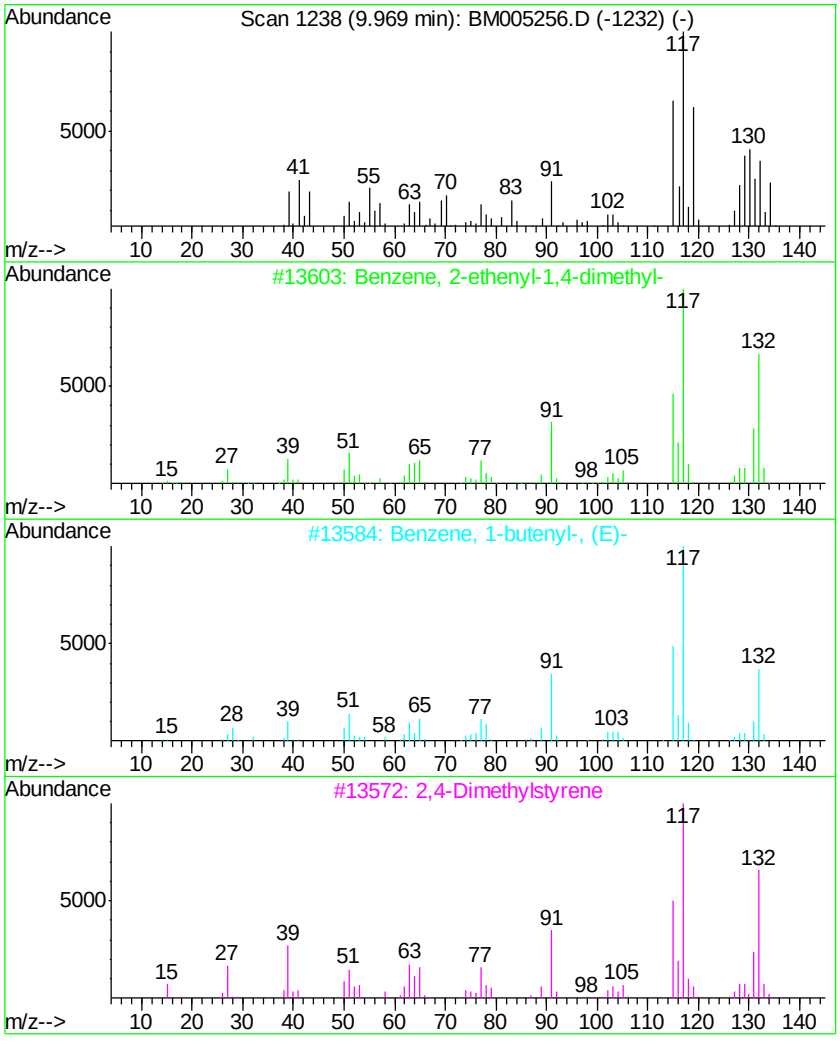
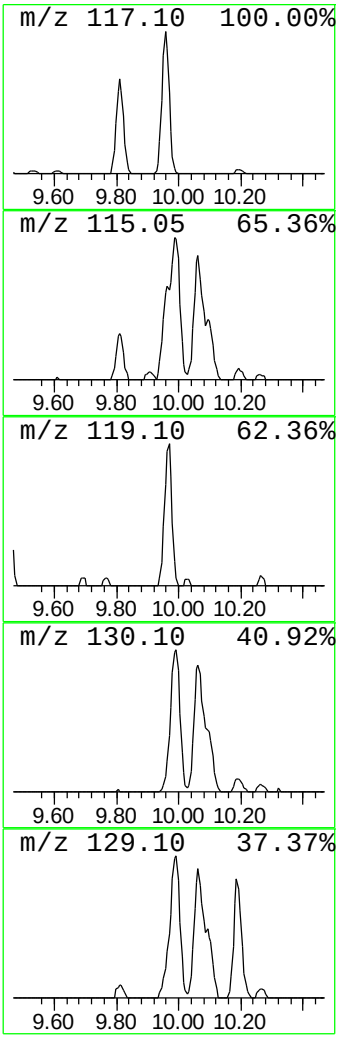
Peak Number 6 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.97	9.10 ng/ul	382225	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	55
2	Benzene, 1-butenyl-, (E)-	132	C10H12	001005-64-7	50
3	2,4-Dimethylstyrene	132	C10H12	002234-20-0	46
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	46
5	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	45





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005256.D
Acq On : 06 May 2016 04:11
Operator : UM/SJ
Sample : H2813-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7T4

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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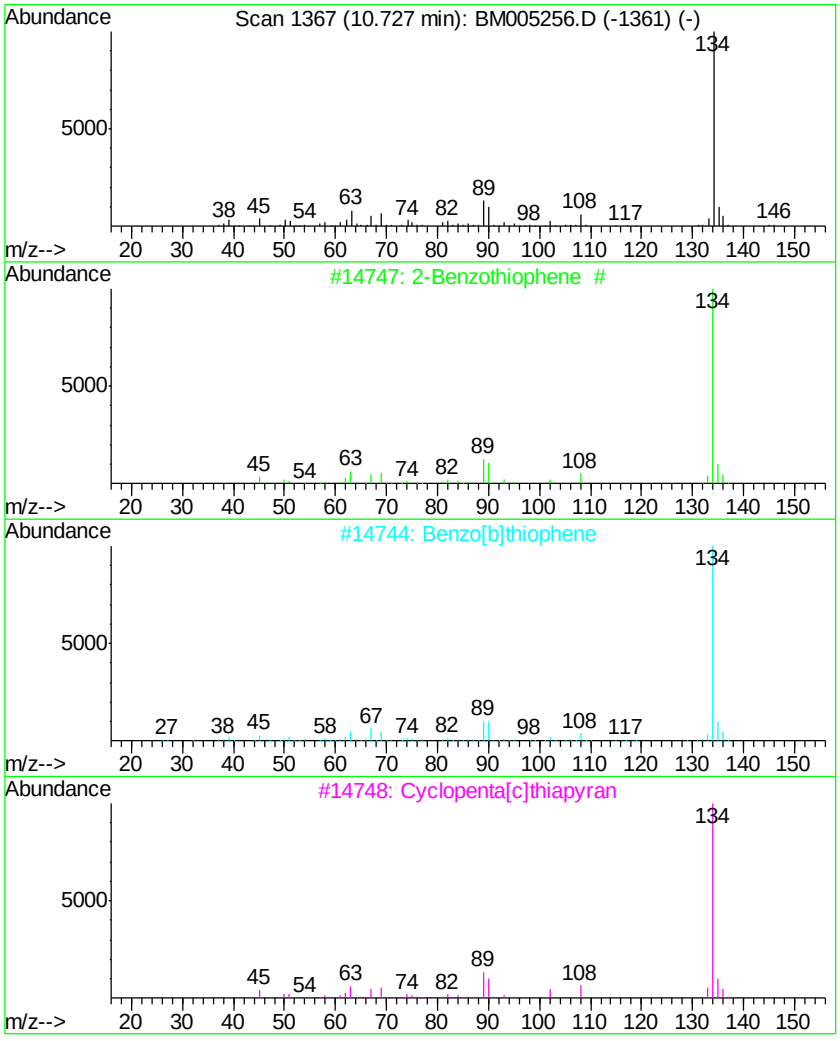
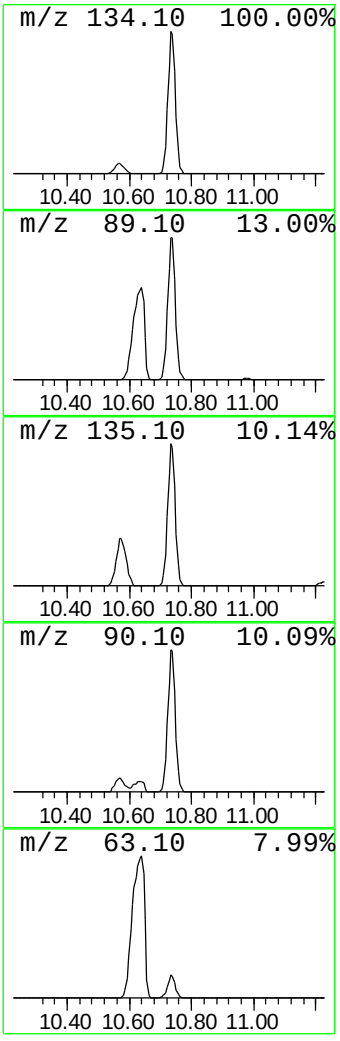
Peak Number 7 2-Benzothiophene # Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.73	27.86 ng/ul	1170850	Naphthalene-d8	10.57

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	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005256.D
Acq On : 06 May 2016 04:11
Operator : UM/SJ
Sample : H2813-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7T4

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

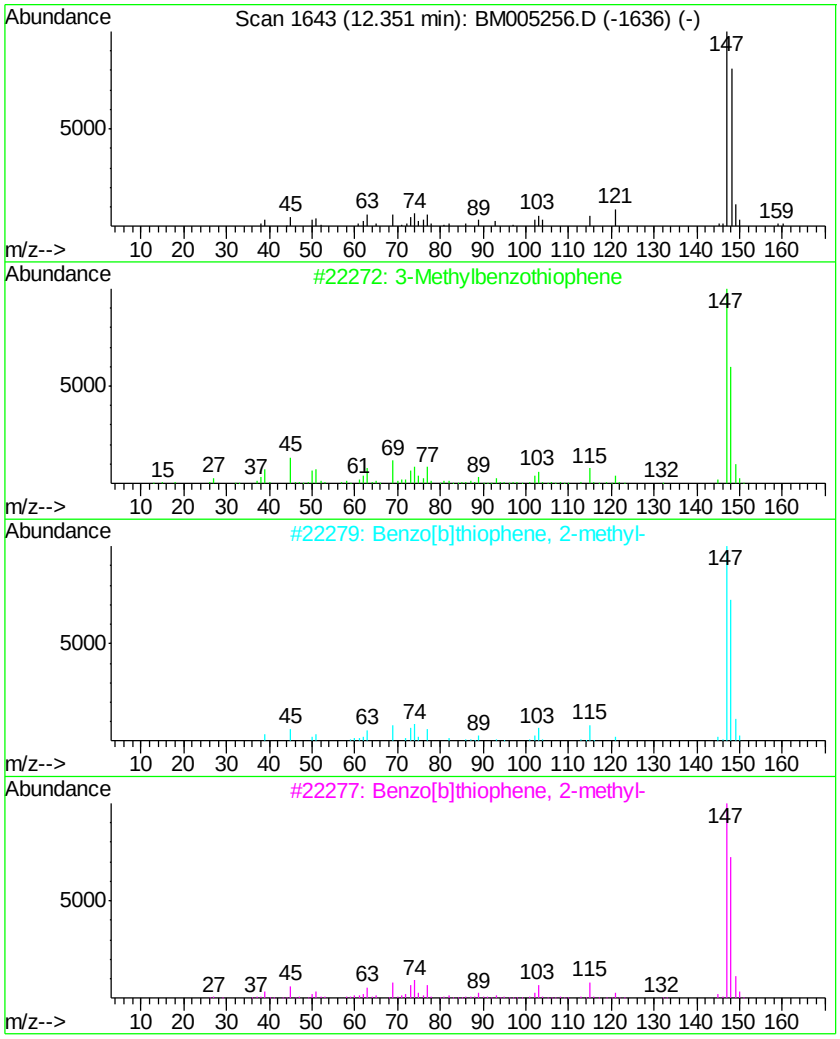
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

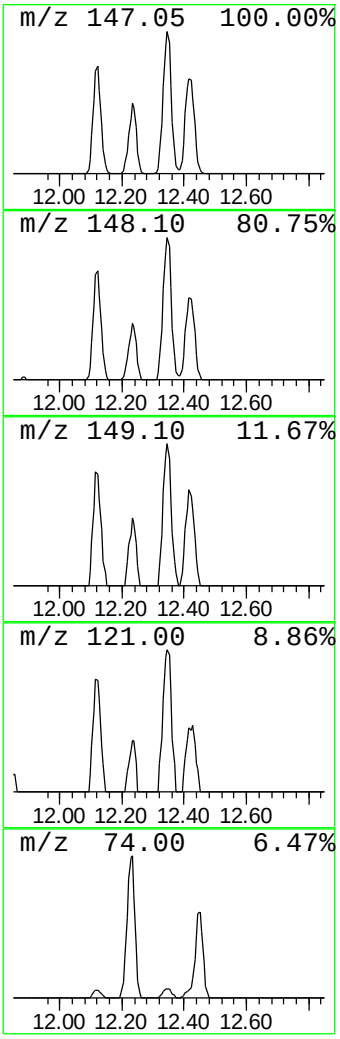
****

Peak Number 8 3-Methylbenzothiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	3.82 ng/ul	160379	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	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91
4	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	91
5	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	91





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Data File : BM005256.D
Acq On : 06 May 2016 04:11
Operator : UM/SJ
Sample : H2813-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7T4

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

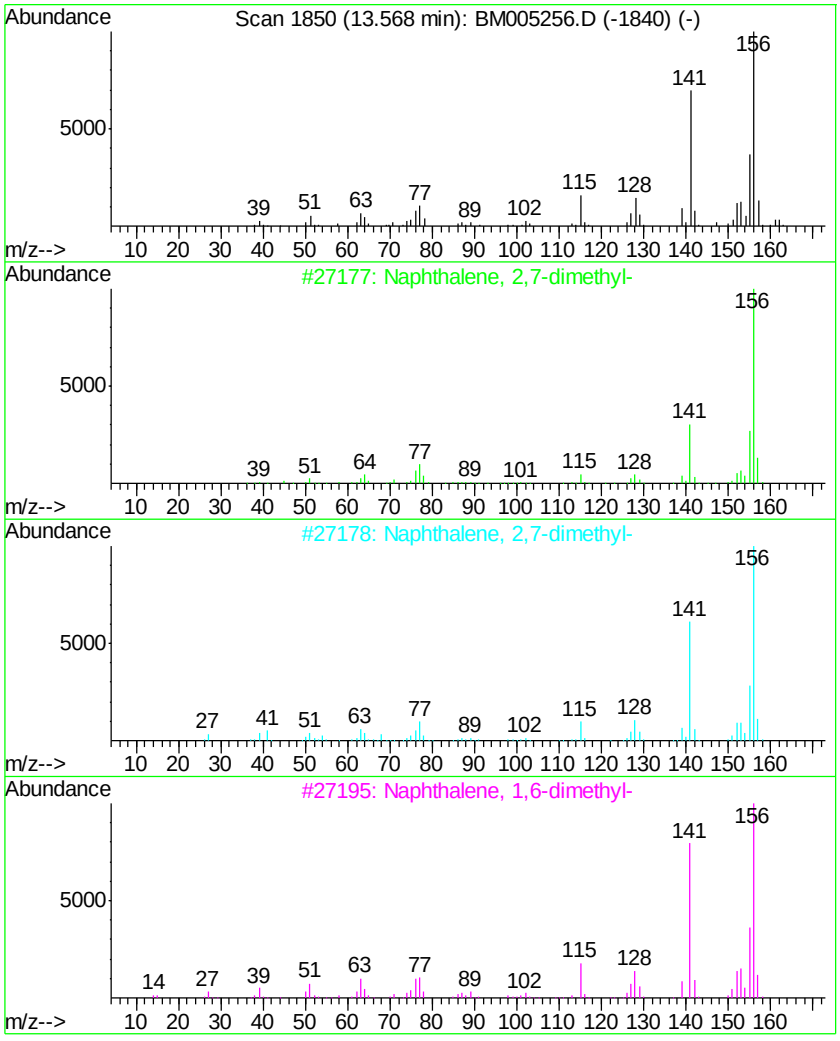
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

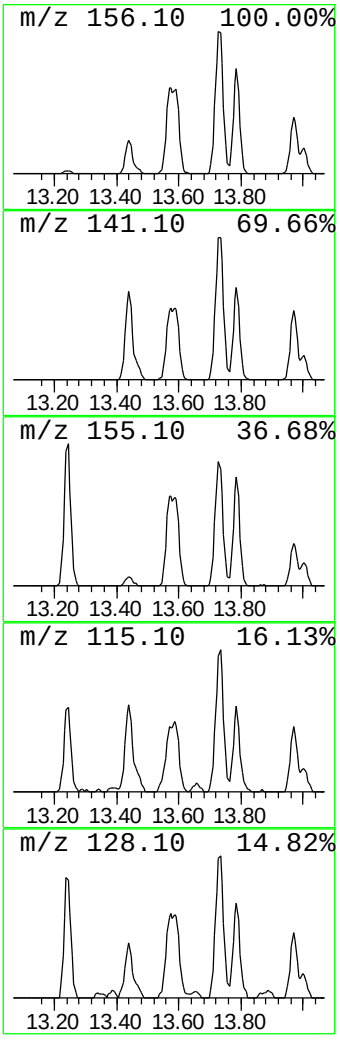
****

Peak Number 11 Naphthalene, 2,7-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.57	4.62 ng/ul	368635	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96





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Acq On : 06 May 2016 04:11
Operator : UM/SJ
Sample : H2813-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7T4

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

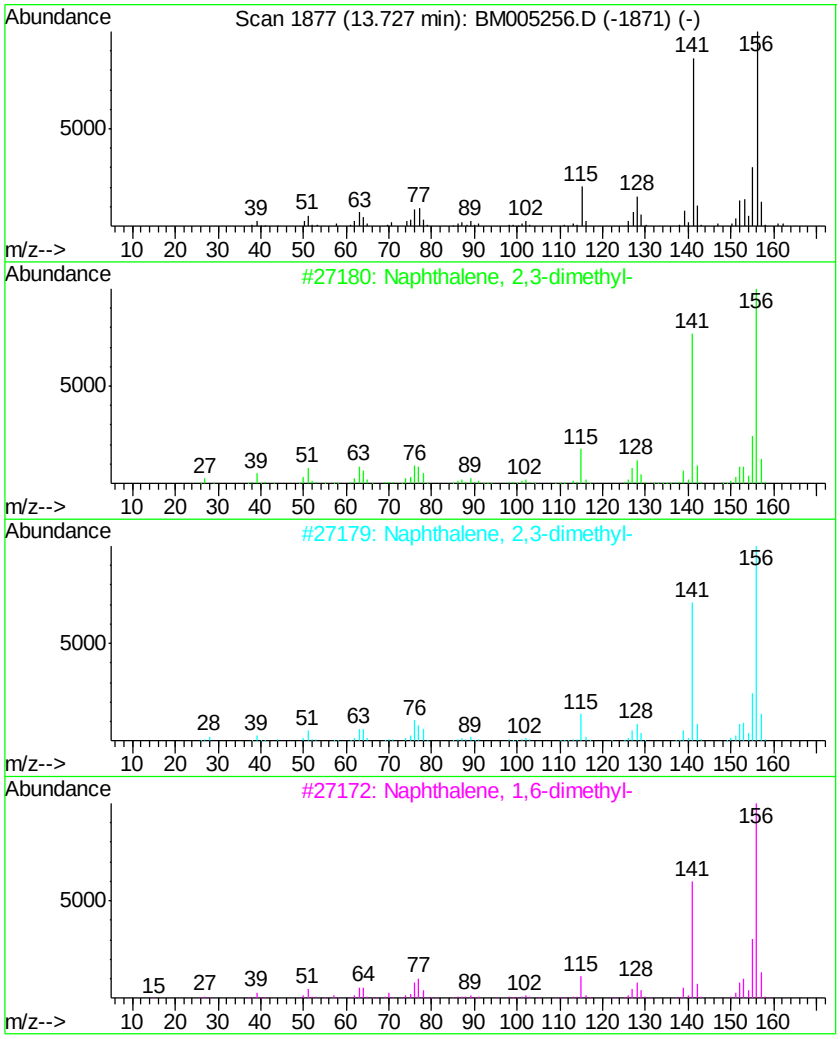
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

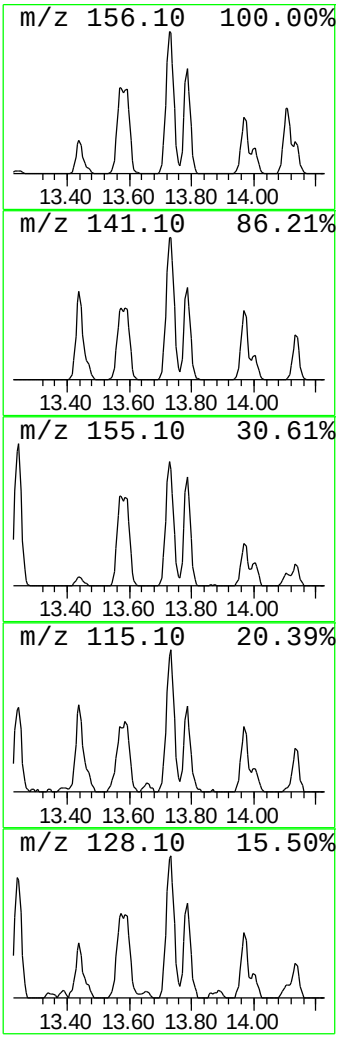
****

Peak Number 12 Naphthalene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	9.05 ng/ul	722521	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, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97





Library Search Compound Report

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Operator : UM/SJ
Sample : H2813-13
Misc :
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Instrument : BNA_M
ClientSampleId : BC7T4

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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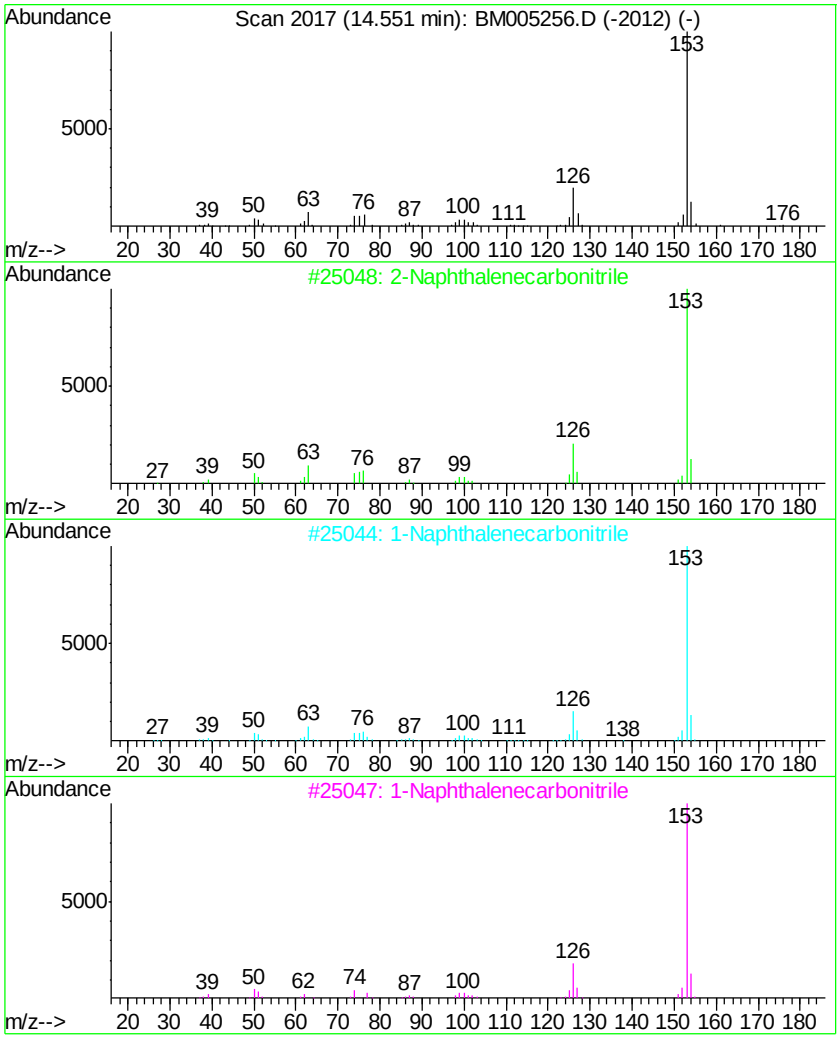
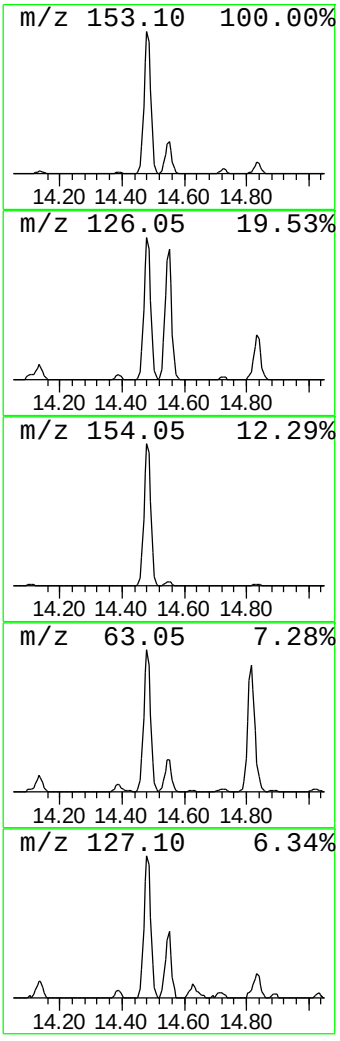
Peak Number 14 2-Naphthalenecarbonitrile Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	5.08 ng/ul	405394	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	93
4	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	93
5	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91





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Acq On : 06 May 2016 04:11
Operator : UM/SJ
Sample : H2813-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7T4

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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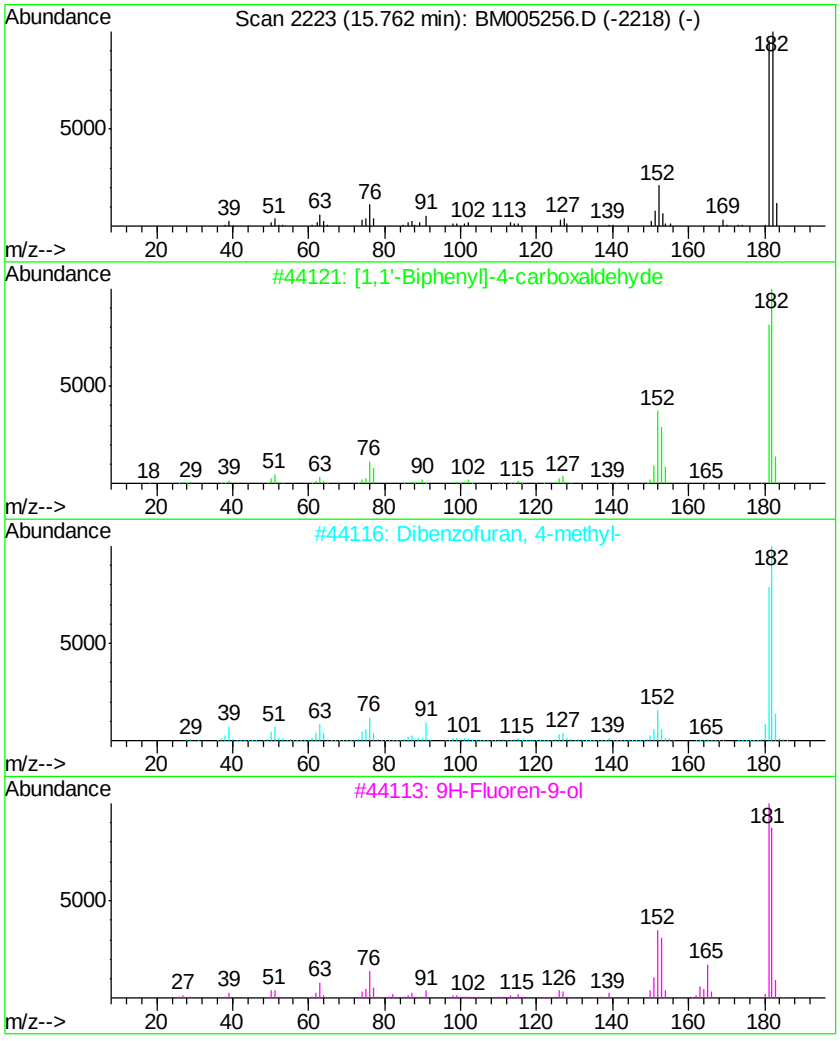
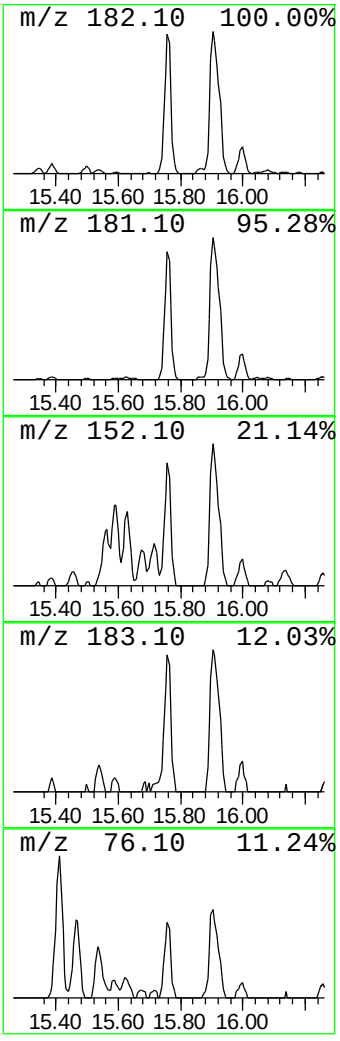
Peak Number 15 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.76	2.83 ng/ul	225854	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	89
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
4	9H-Xanthene	182	C13H10O	000092-83-1	64
5	Pyrido[2,3-d]indole, 6-methyl-	182	C12H10N2	108349-67-3	64





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Operator : UM/SJ
Sample : H2813-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7T4

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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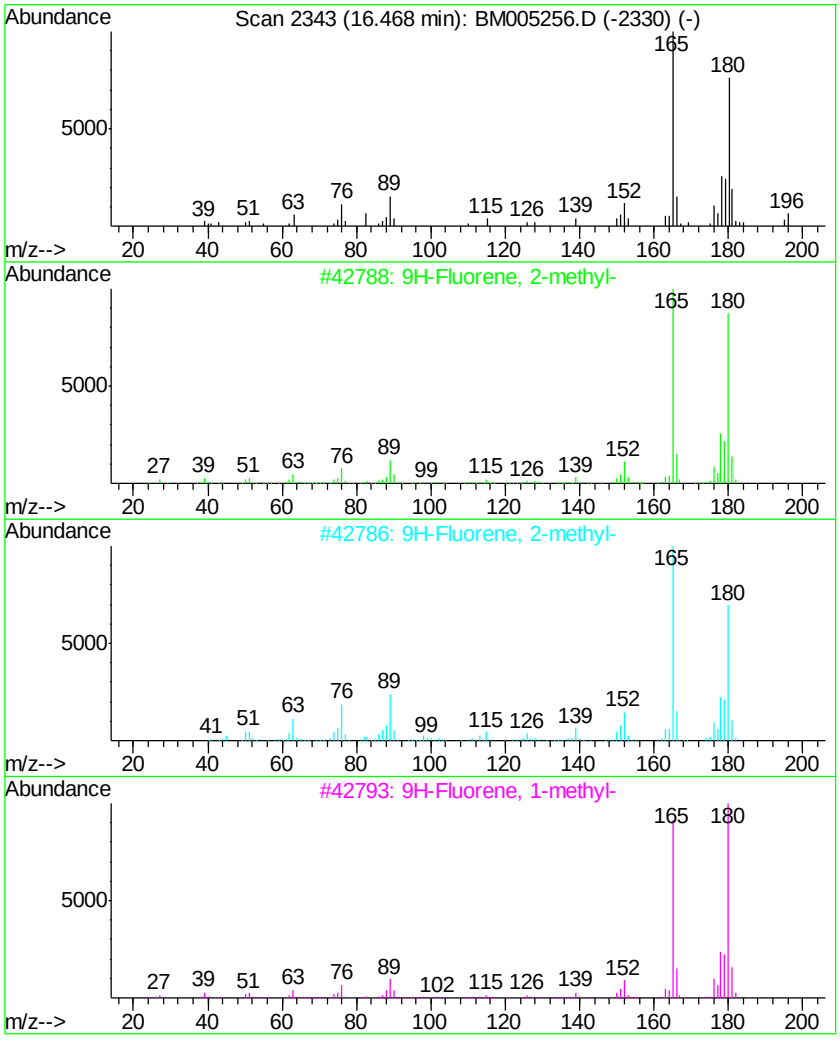
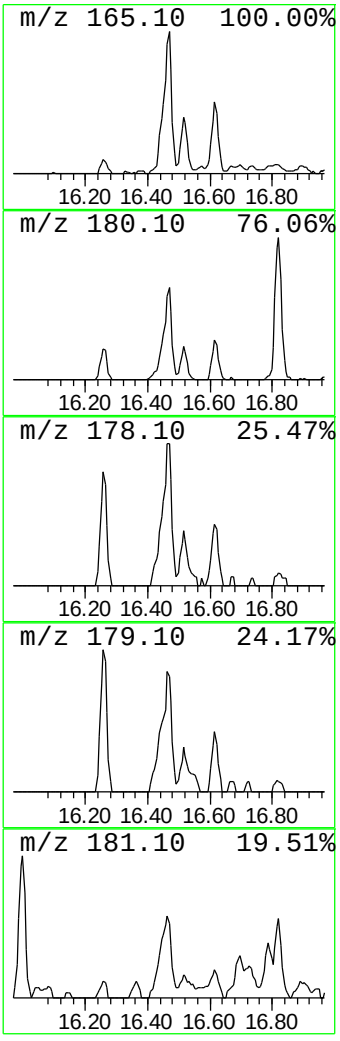
Peak Number 17 9H-Fluorene, 2-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.47	2.36 ng/ul	225104	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95





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Acq On : 06 May 2016 04:11
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Sample : H2813-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7T4

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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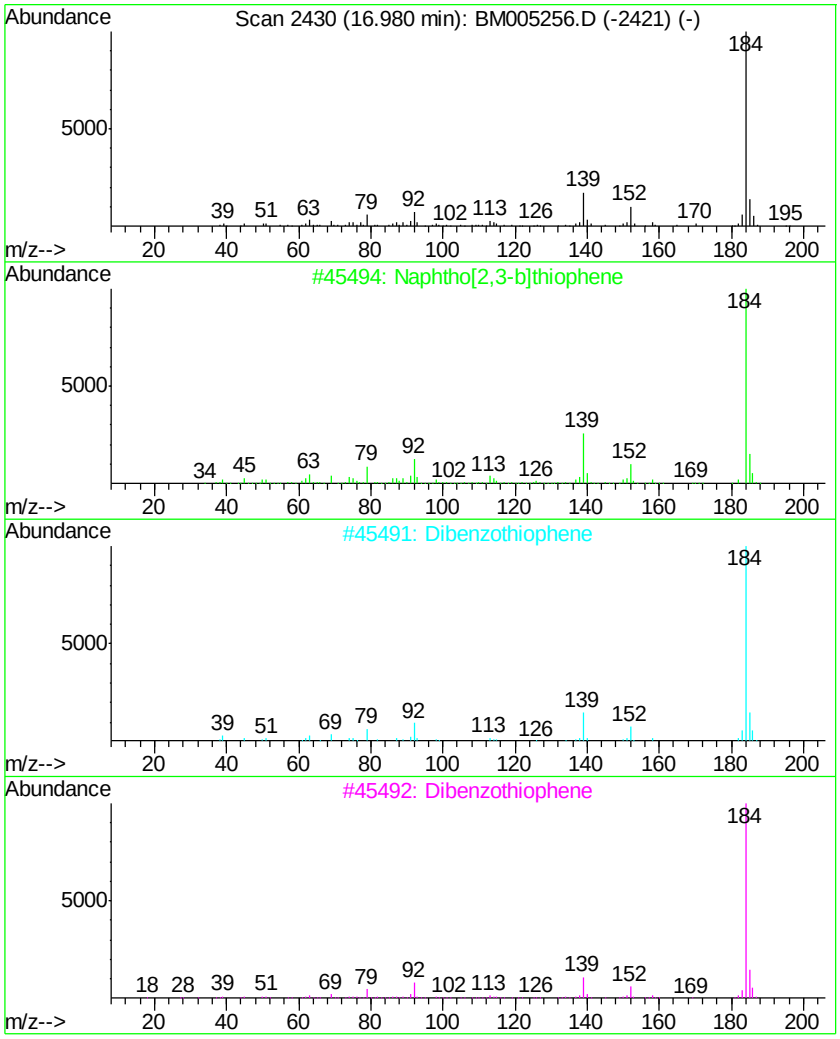
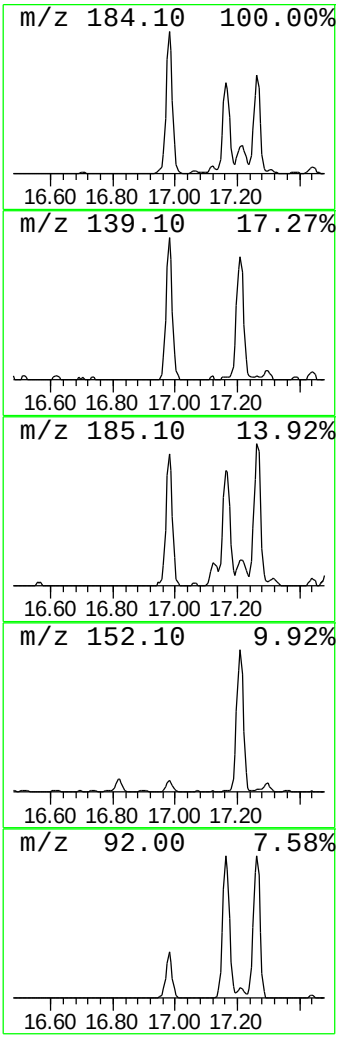
Peak Number 18 Naphtho[2,3-b]thiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.98	4.39 ng/ul	418114	Phenanthrene-d10	17.16

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	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	94
5	Dibenzothiophene	184	C12H8S	000132-65-0	94





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Acq On : 06 May 2016 04:11
Operator : UM/SJ
Sample : H2813-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7T4

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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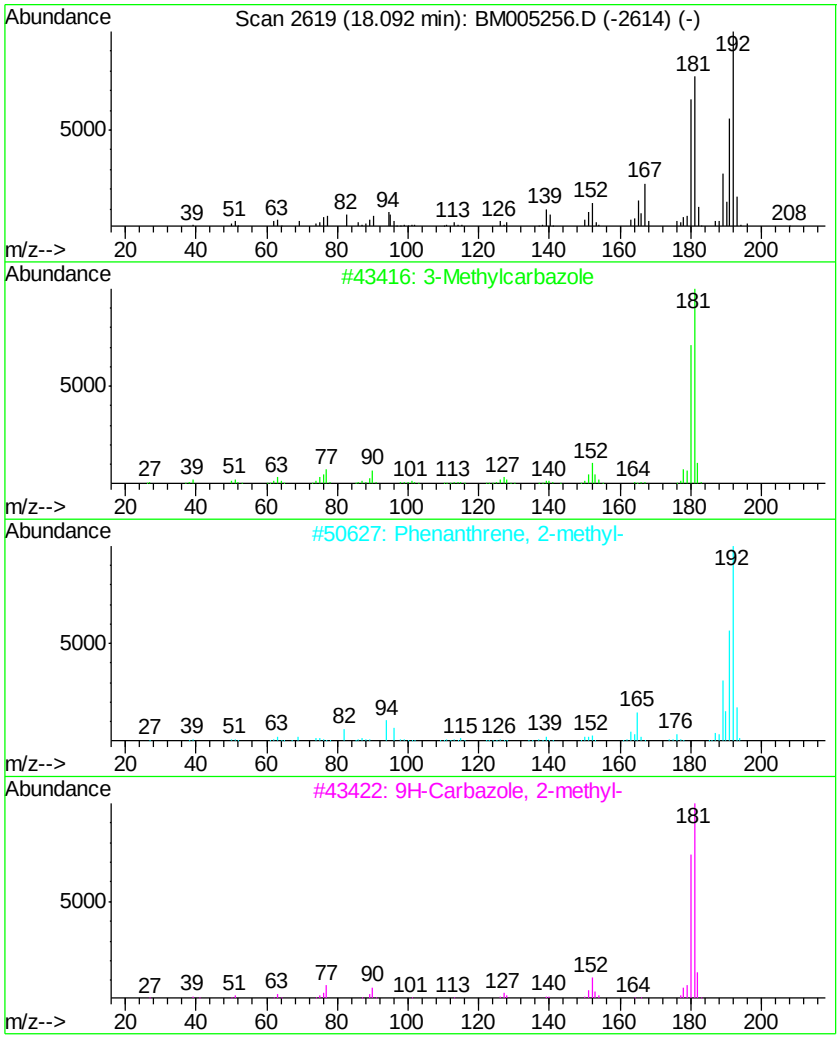
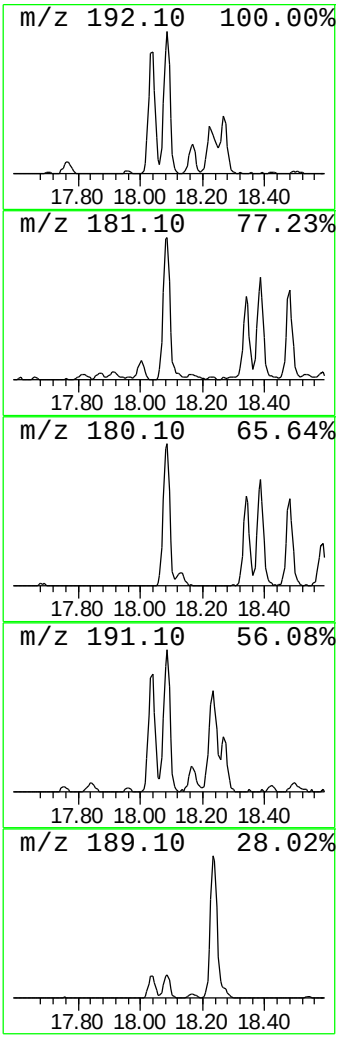
Peak Number 19 3-Methylcarbazole Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	3.10 ng/ul	294815	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylcarbazole	181	C13H11N	004630-20-0	86
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86
3	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	83
4	3-Methylcarbazole	181	C13H11N	004630-20-0	83
5	1-Methylcarbazole	181	C13H11N	006510-65-2	83





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Acq On : 06 May 2016 04:11
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Sample : H2813-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7T4

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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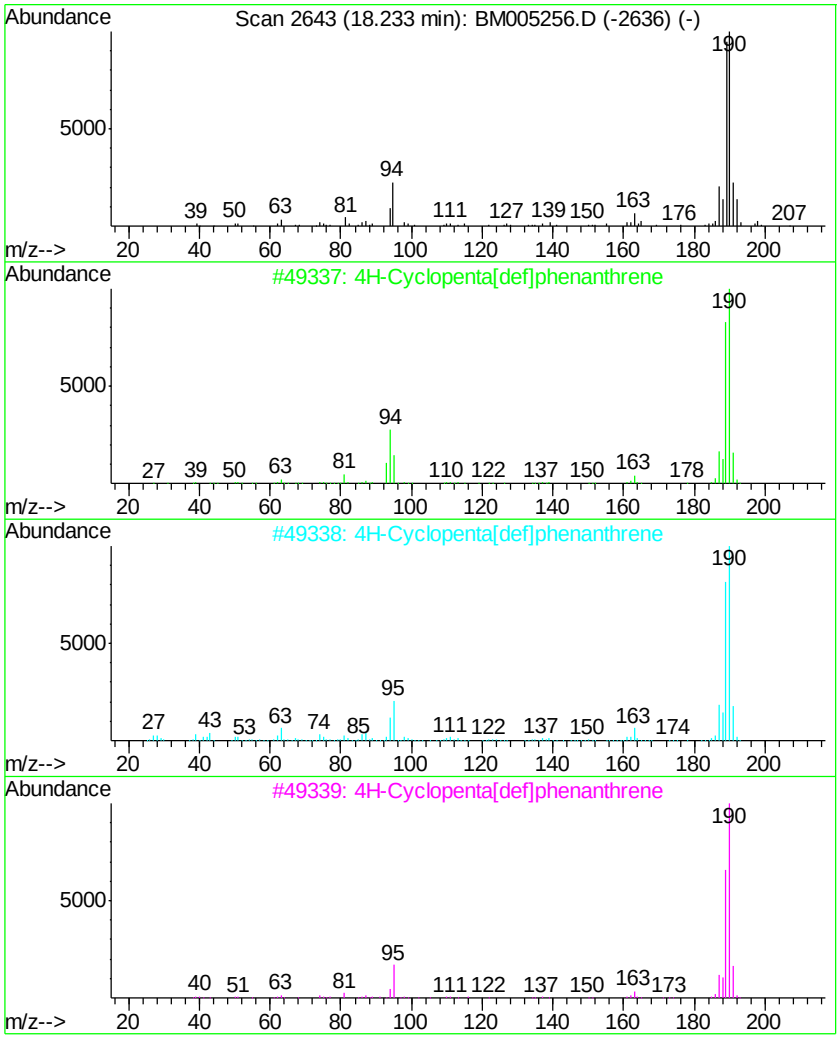
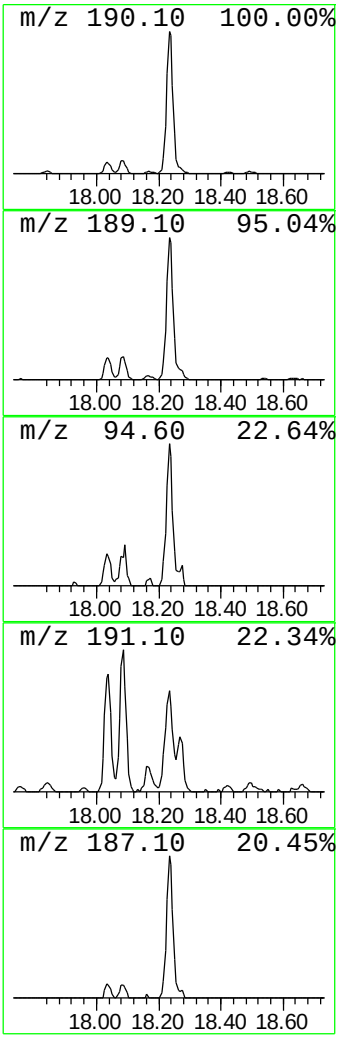
Peak Number 20 4H-Cyclopenta[def]phenanthrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	3.92 ng/ul	372972	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
4	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	59
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	56





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005256.D
Acq On : 06 May 2016 04:11
Operator : UM/SJ
Sample : H2813-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7T4

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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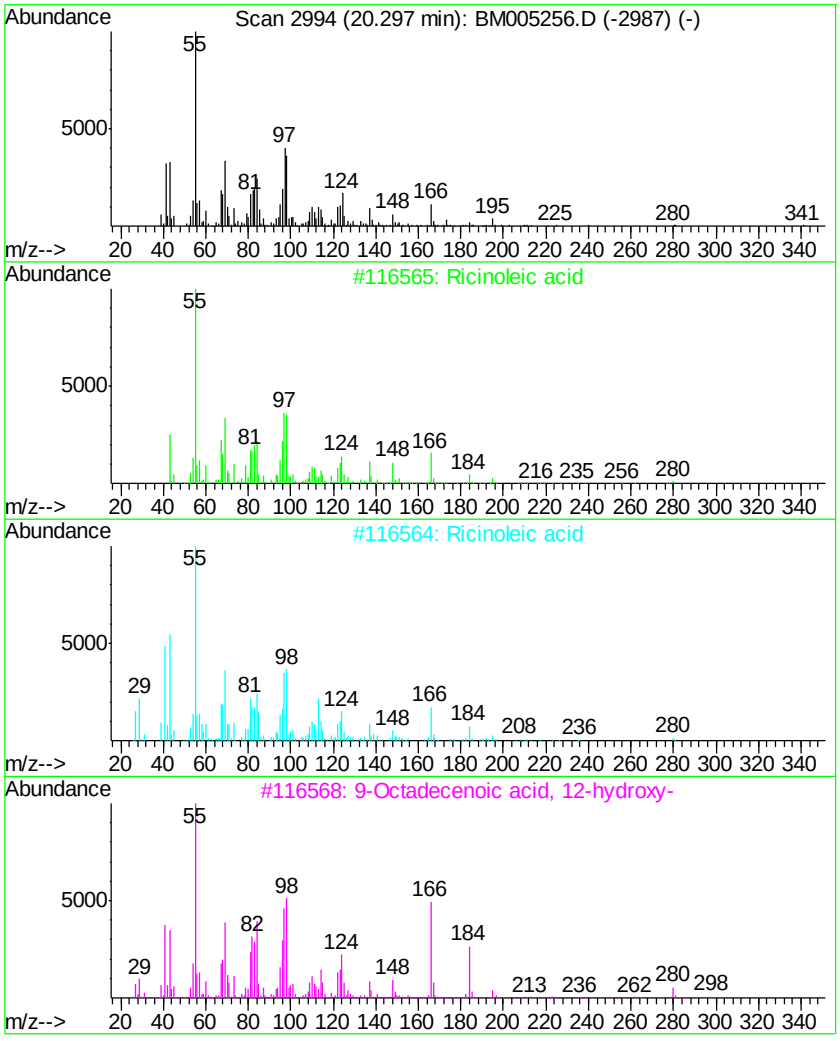
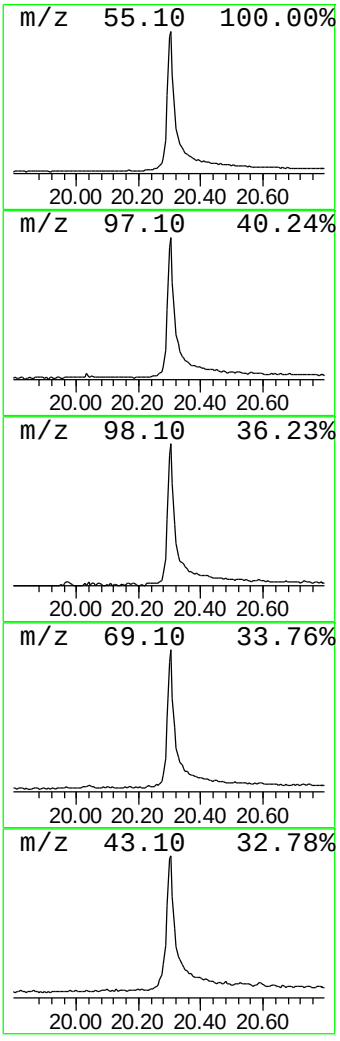
Peak Number 21 Ricinoleic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.30	7.82 ng/ul	972564	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ricinoleic acid	298	C18H34O3	000141-22-0	91
2	Ricinoleic acid	298	C18H34O3	000141-22-0	83
3	9-Octadecenoic acid, 12-hydroxy-	298	C18H34O3	007431-95-0	64
4	Methyl ricinoleate	312	C19H36O3	000141-24-2	58
5	Ricinoleic acid	298	C18H34O3	000141-22-0	58





Tentatively Identified Compound (LSC) summary

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Data File : BM005256.D
Acq On : 06 May 2016 04:11
Operator : UM/SJ
Sample : H2813-13
Misc :
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Instrument : BNA_M
ClientSampleId : BC7T4

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
Heptanal	5.84	5.3	ng/ul	151504	1	7.77	577010	20.0
Benzene, 1,2,3-tr...	7.42	6.0	ng/ul	173171	1	7.77	577010	20.0
Indane	8.14	17.3	ng/ul	497954	1	7.77	577010	20.0
Indene	8.30	27.6	ng/ul	796704	1	7.77	577010	20.0
Benzofuran, 2-met...	9.25	6.1	ng/ul	256475	2	10.57	840395	20.0
Benzene, 2-etheny...	9.97	9.1	ng/ul	382225	2	10.57	840395	20.0
2-Benzothiophene #	10.73	27.9	ng/ul	1170850	2	10.57	840395	20.0
3-Methylbenzothio...	12.35	3.8	ng/ul	160379	2	10.57	840395	20.0
Naphthalene, 2,7-...	13.57	4.6	ng/ul	368635	3	14.42	1596580	20.0
Naphthalene, 2,3-...	13.73	9.1	ng/ul	722521	3	14.42	1596580	20.0
2-Naphthalenecarb...	14.55	5.1	ng/ul	405394	3	14.42	1596580	20.0
[1,1'-Biphenyl]-4...	15.76	2.8	ng/ul	225854	3	14.42	1596580	20.0
9H-Fluorene, 2-me...	16.47	2.4	ng/ul	225104	4	17.16	1904950	20.0
Naphtho[2,3-b]thi...	16.98	4.4	ng/ul	418114	4	17.16	1904950	20.0
3-Methylcarbazole	18.09	3.1	ng/ul	294815	4	17.16	1904950	20.0
4H-Cyclopenta[def...	18.23	3.9	ng/ul	372972	4	17.16	1904950	20.0
Ricinoleic acid	20.30	7.8	ng/ul	972564	5	21.36	2488300	20.0