LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005244.D
Acq On : 05 May 2016 20:51
Operator : UM/SJ
Sample : H2813-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M7

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	546	rVB	127662	191215	1.19%	0.237%
2	7.110	746	752	758	rBV	245803	389059	2.43%	0.482%
3	7.310	780	786	796	rBV	241411	401407	2.51%	0.497%
4	7.422	796	805	811	rVV	128082	207172	1.29%	0.257%
5	7.775	856	865	871	rBV	354903	575433	3.59%	0.713%
6	8.145	921	928	937	rVB	355546	589139	3.68%	0.730%
7	8.304	949	955	961	rBV	563995	924720	5.77%	1.145%
8	8.481	979	985	995	rVB	202081	341065	2.13%	0.422%
9	8.933	1056	1062	1073	rVB	322425	586410	3.66%	0.726%
10	9.245	1104	1115	1121	rVV	147147	307321	1.92%	0.381%
11	9.651	1174	1184	1199	rVB	281774	471165	2.94%	0.584%
12	9.969	1232	1238	1248	rVV4	147197	449026	2.80%	0.556%
13	10.063	1248	1254	1267	rVB	75213	204423	1.28%	0.253%
14	10.192	1269	1276	1285	rBV	405431	724741	4.53%	0.898%
15	10.569	1331	1340	1342	rBV	462982	822862	5.14%	1.019%
16	10.639	1342	1352	1358	rVV	5916709	16015853	100.00%	19.835%
17	10.739	1361	1369	1377	rVB	799975	1362644	8.51%	1.688%
18	12.233	1614	1623	1630	rBV	3220181	5772329	36.04%	7.149%
19	12.345	1636	1642	1648	rVV	112938	189695	1.18%	0.235%
20	12.451	1648	1660	1670	rVB	2031521	3445467	21.51%	4.267%
21	13.245	1788	1795	1801	rBV	799123	1211891	7.57%	1.501%
22	13.439	1822	1828	1839	rVB	194701	354975	2.22%	0.440%
23	13.574	1842	1851	1852	rBV	270542	407391	2.54%	0.505%
24	13.733	1871	1878	1883	rBV	465655	835028	5.21%	1.034%
25	13.786	1883	1887	1890	rVV	316471	502861	3.14%	0.623%
26	13.821	1890	1893	1904	rVB	830602	1201707	7.50%	1.488%
27	13.968	1909	1918	1922	rBV	190517	303993	1.90%	0.376%
28	14.010	1922	1925	1932	rVV2	102114	172226	1.08%	0.213%
29	14.110	1935	1942	1953	rVB2	923581	1766896	11.03%	2.188%
30	14.415	1983	1994	2000	rBV3	905913	1672752	10.44%	2.072%
31	14.480	2000	2005	2012	rVV	2205636	3550662	22.17%	4.397%
32	14.551	2012	2017	2024	rVB	307811	462466	2.89%	0.573%
33	14.627	2024	2030	2038	rBV2	81125	162228	1.01%	0.201%
34	14.815	2056	2062	2070	rVV	1852065	3027157	18.90%	3.749%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005244.D
Acq On : 05 May 2016 20:51
Operator : UM/SJ
Sample : H2813-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M7

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	15.409	2148	2163	2168	rBV	1223310	1927938	12.04%	2.388%
36	15.468	2168	2173	2180	rVB	1997713	3000551	18.73%	3.716%
37	15.539	2180	2185	2191	rBV	456046	720652	4.50%	0.892%
38	15.757	2218	2222	2229	rVB	172521	253202	1.58%	0.314%
39	15.904	2236	2247	2258	rVB2	211039	463913	2.90%	0.575%
40	16.468	2331	2343	2348	rBV2	105558	244569	1.53%	0.303%
41	16.980	2422	2430	2440	rVB	290180	451754	2.82%	0.559%
42	17.168	2456	2462	2465	rBV	1175229	1914751	11.96%	2.371%
43	17.209	2465	2469	2474	rVV	2945922	4436083	27.70%	5.494%
44	17.262	2474	2478	2483	rVV2	1416516	2227724	13.91%	2.759%
45	17.298	2483	2484	2489	rVB	216138	179398	1.12%	0.222%
46	17.568	2520	2530	2536	rBV	913283	1321364	8.25%	1.636%
47	18.039	2606	2610	2614	rBV2	107028	186647	1.17%	0.231%
48	18.086	2614	2618	2623	rVB	242554	339589	2.12%	0.421%
49	18.233	2636	2643	2647	rBV	245821	406851	2.54%	0.504%
50	18.339	2654	2661	2666	rBV2	81810	163530	1.02%	0.203%
51	19.227	2798	2812	2816	rBV	629972	995892	6.22%	1.233%
52	19.268	2816	2819	2825	rVB	257115	313943	1.96%	0.389%
53	19.562	2863	2869	2873	rBV	1869054	2807691	17.53%	3.477%
54	20.303	2988	2995	3015	rBV	659335	1270510	7.93%	1.573%
55	21.356	3168	3174	3179	rBV	1809736	2495866	15.58%	3.091%
56	23.491	3529	3537	3552	rVB2	1340743	2638490	16.47%	3.268%
57	23.632	3554	3561	3577	rVB2	1182550	2383116	14.88%	2.951%

Sum of corrected areas: 80747403

LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005244.D
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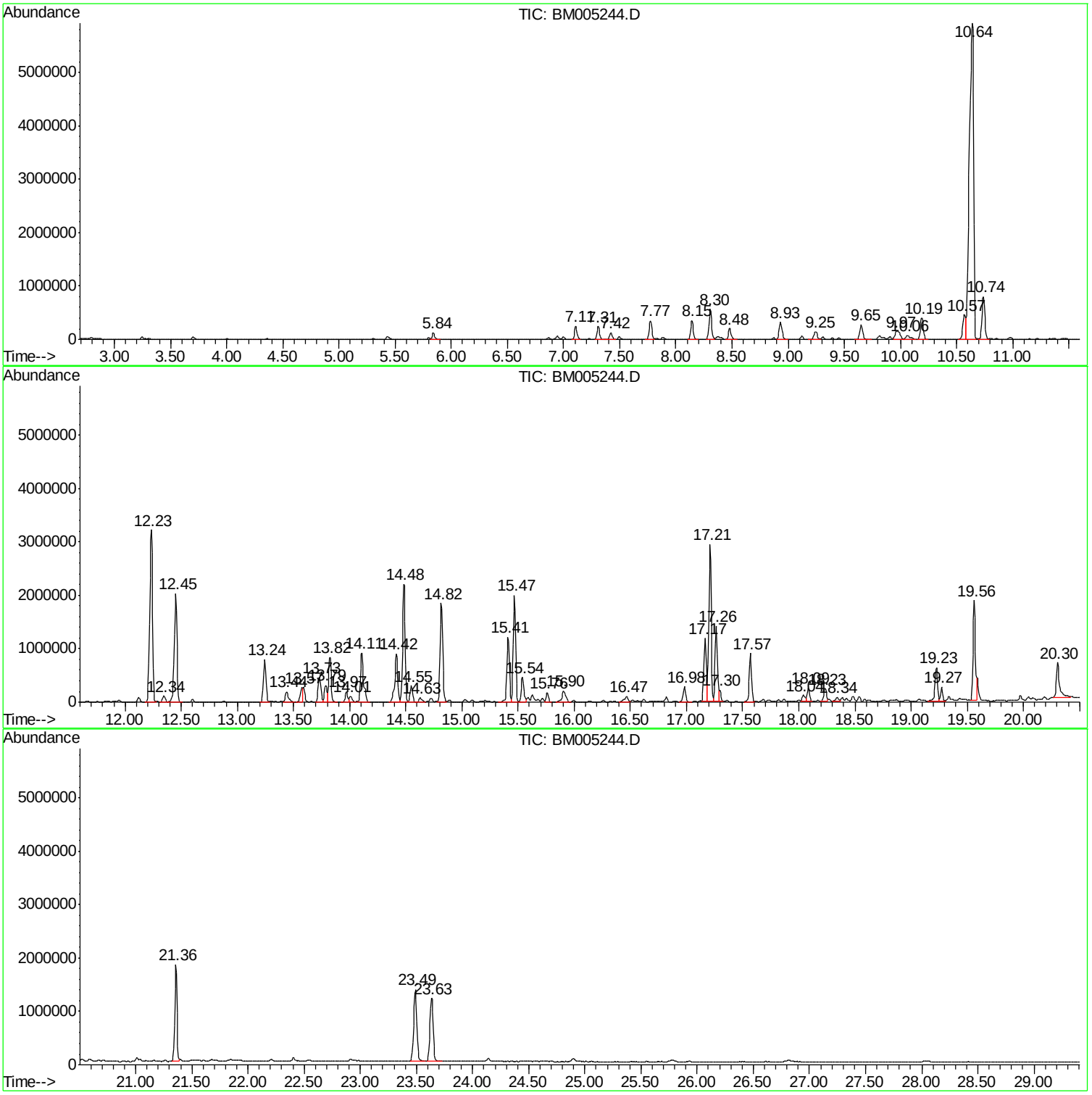
Operator : UM/SJ
Sample : H2813-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M7

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 : BM005244.D
Acq On : 05 May 2016 20:51
Operator : UM/SJ
Sample : H2813-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M7

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

TIC Library : C:\DATABASE\NIST02.L
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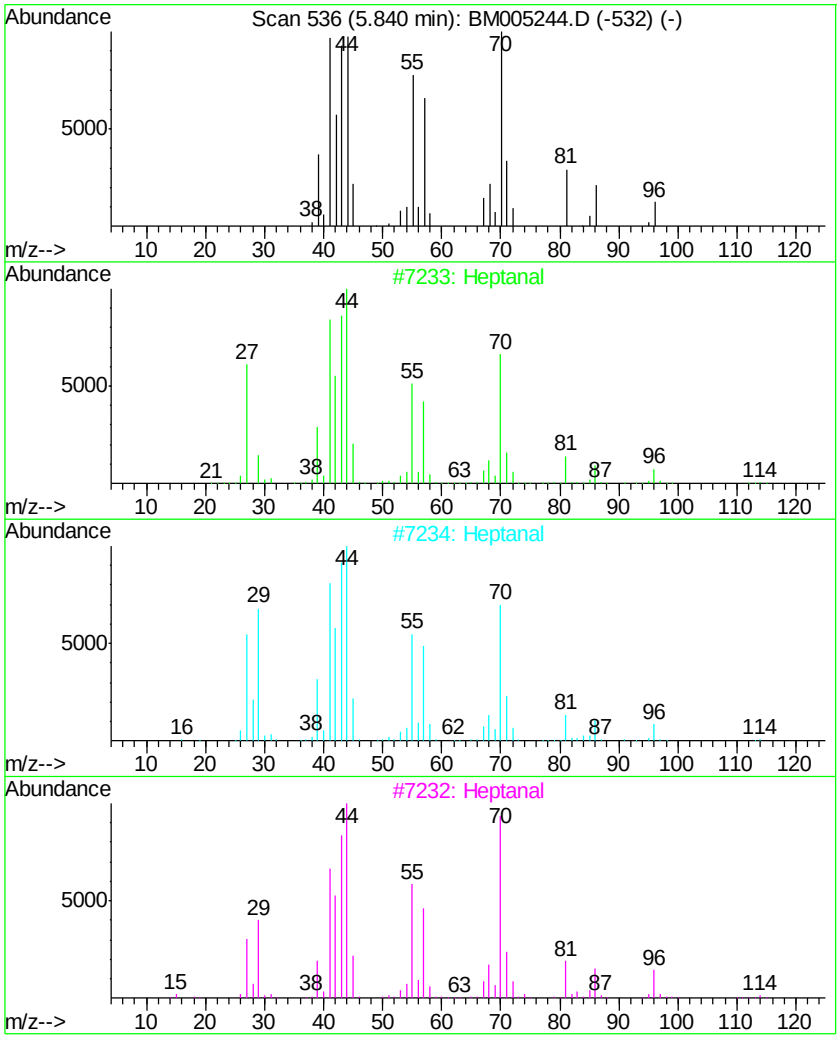
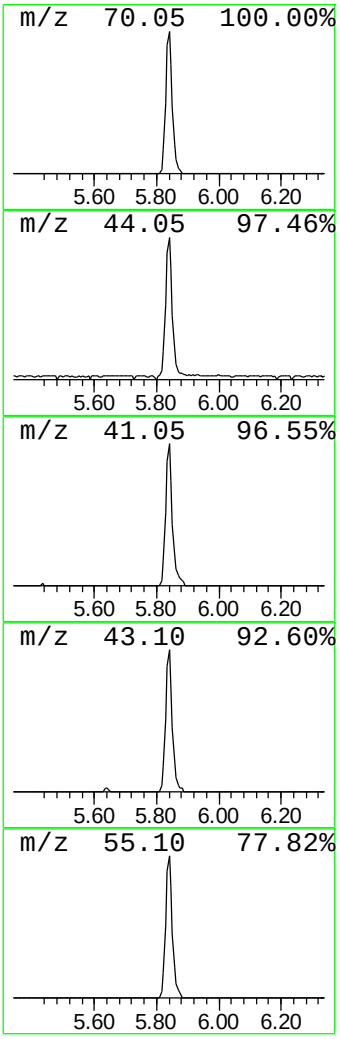
Peak Number 1 Heptanal Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.84	6.65 ng/ul	191215	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	83
3	Heptanal	114	C7H14O	000111-71-7	83
4	Heptanal	114	C7H14O	000111-71-7	80
5	Hexanal, 3-methyl-	114	C7H14O	019269-28-4	47





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Data File : BM005244.D
Acq On : 05 May 2016 20:51
Operator : UM/SJ
Sample : H2813-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M7

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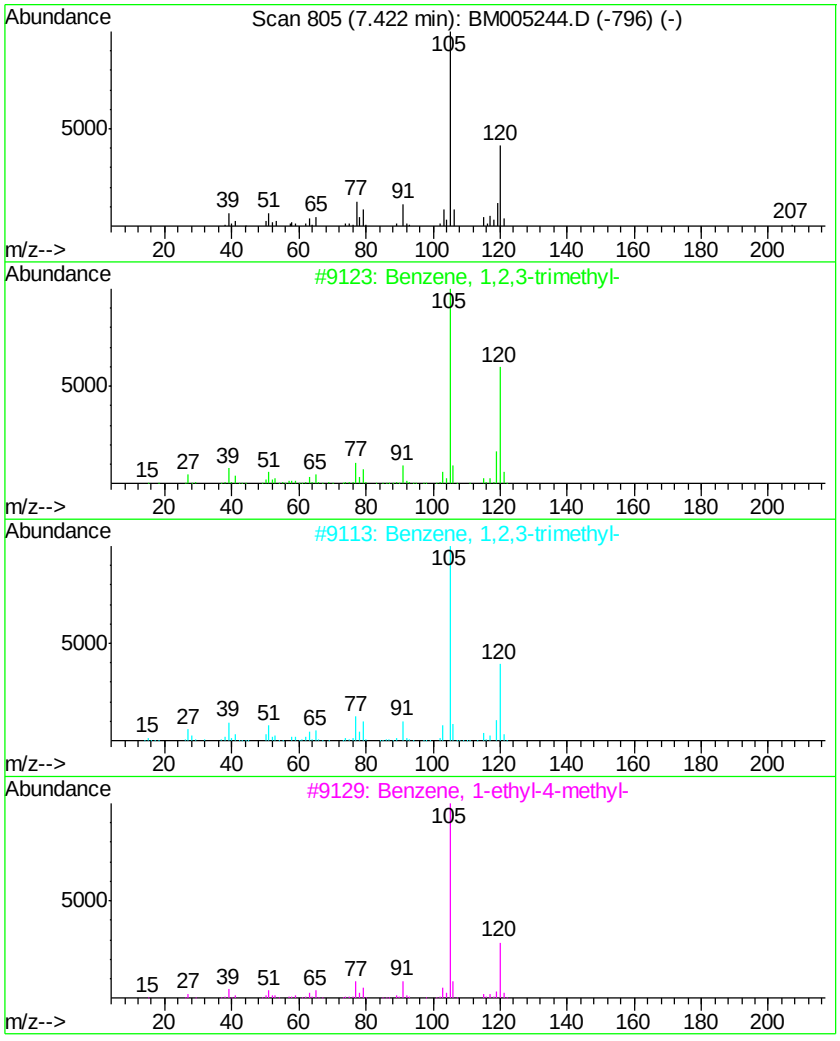
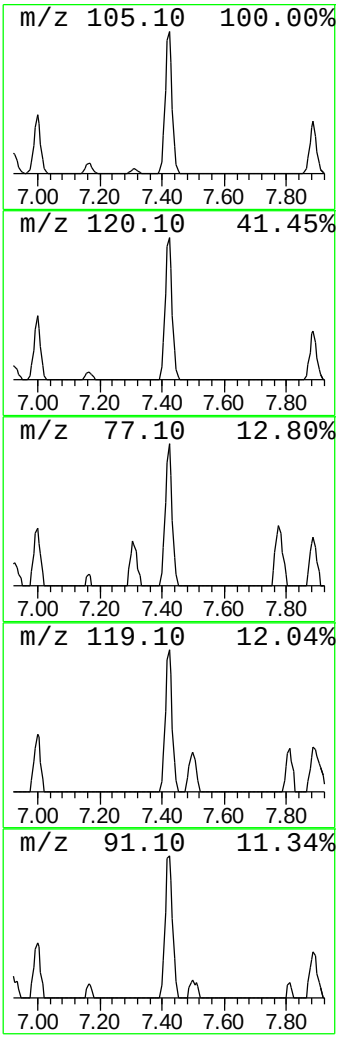
Peak Number 2 Benzene, 1,2,3-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.42	7.20 ng/ul	207172	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	95
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005244.D
Acq On : 05 May 2016 20:51
Operator : UM/SJ
Sample : H2813-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M7

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

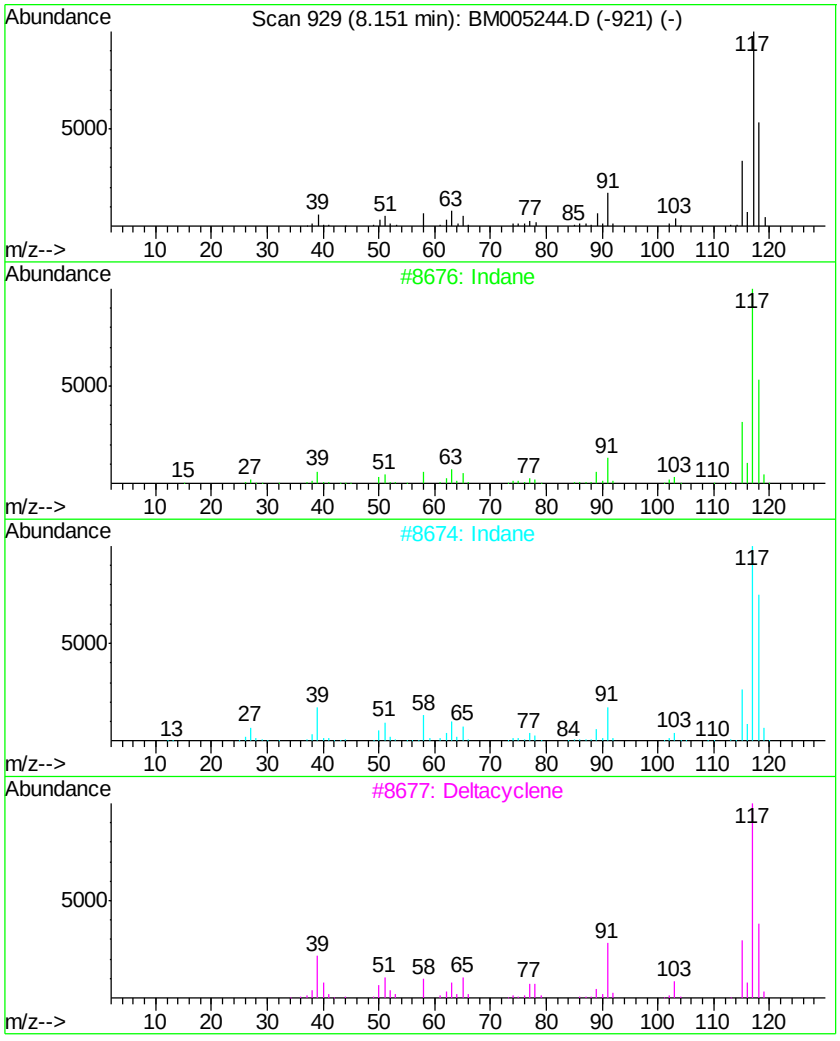
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

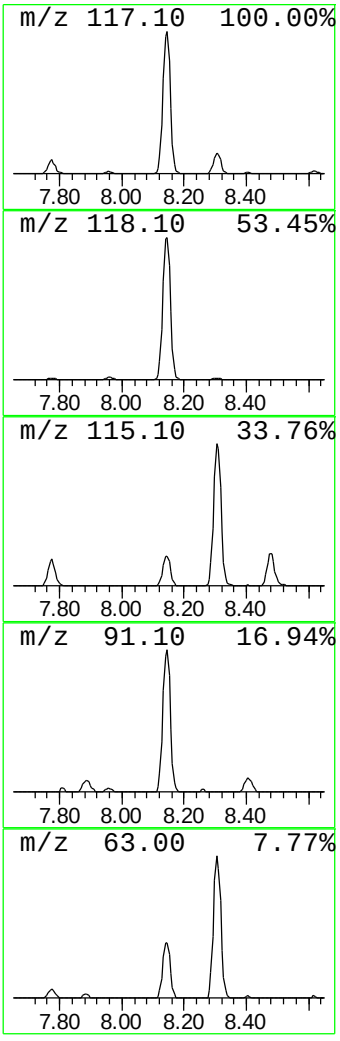
****

Peak Number 3 Indane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	20.48 ng/ul	589139	1,4-Dichlorobenzene-d4	7.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
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, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	59





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005244.D
Acq On : 05 May 2016 20:51
Operator : UM/SJ
Sample : H2813-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M7

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

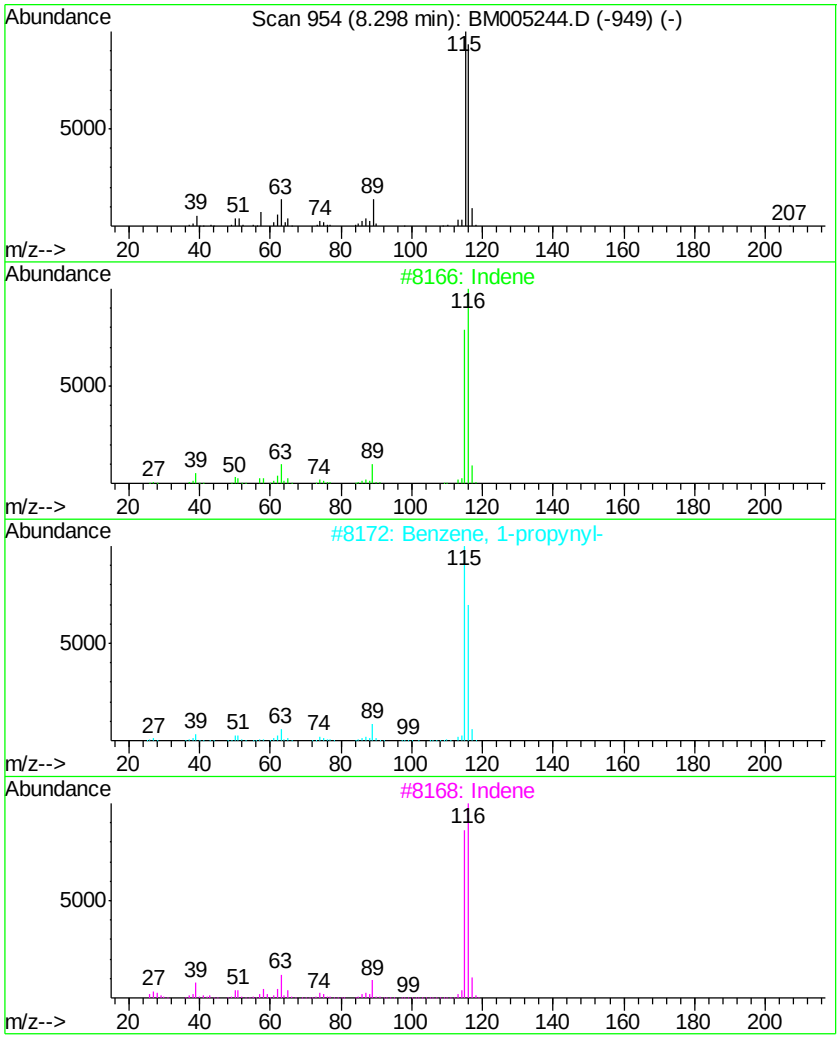
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

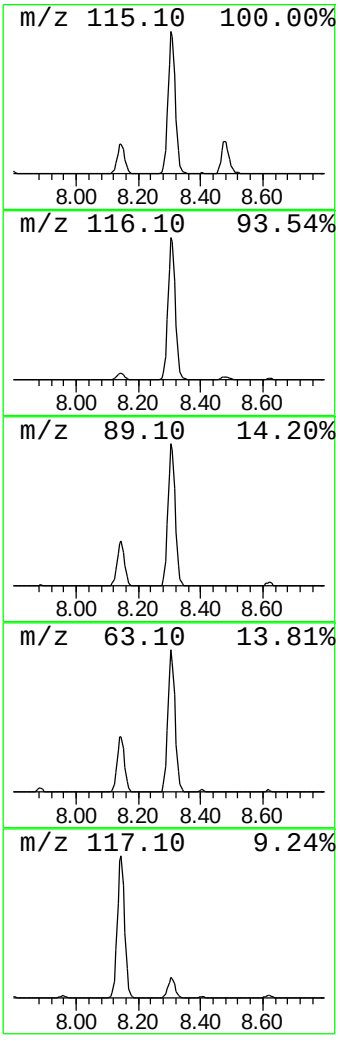
****

Peak Number 4 Indene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.30	32.14 ng/ul	924720	1,4-Dichlorobenzene-d4	7.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	95
3	Indene	116	C9H8	000095-13-6	95
4	Indene	116	C9H8	000095-13-6	94
5	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91





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Sample : H2813-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M7

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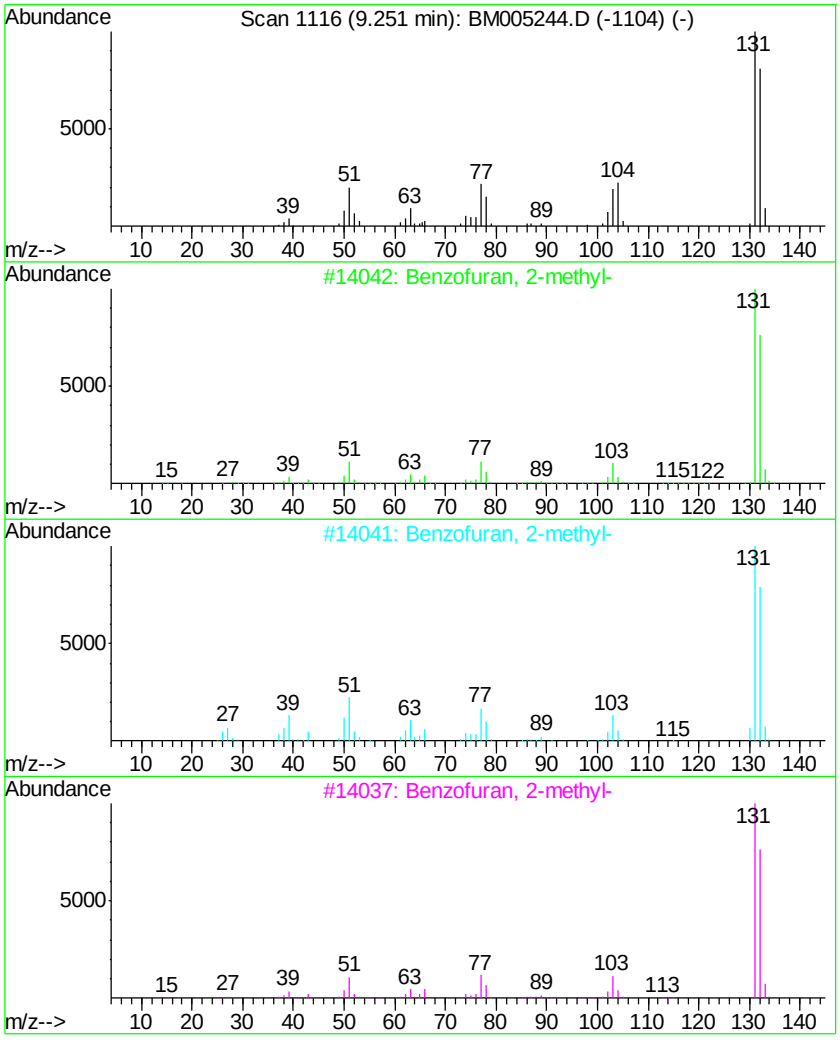
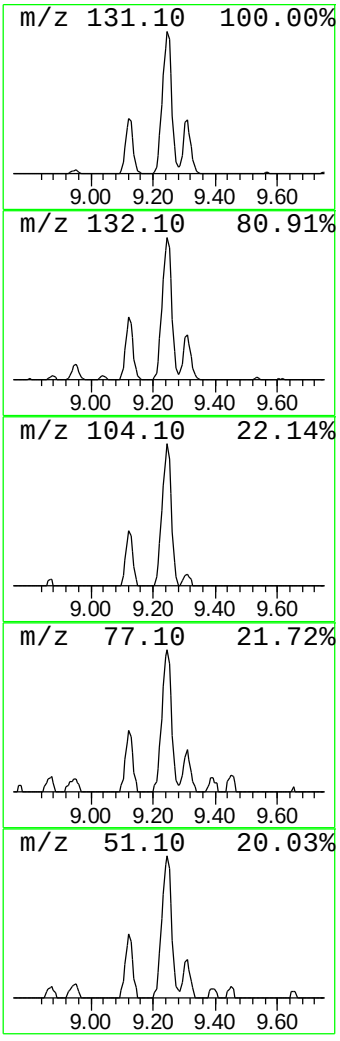
Peak Number 5 Benzofuran, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.25	7.47 ng/ul	307321	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	90
5	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	87





Library Search Compound Report

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Instrument : BNA_M
ClientSampleId : BC7M7

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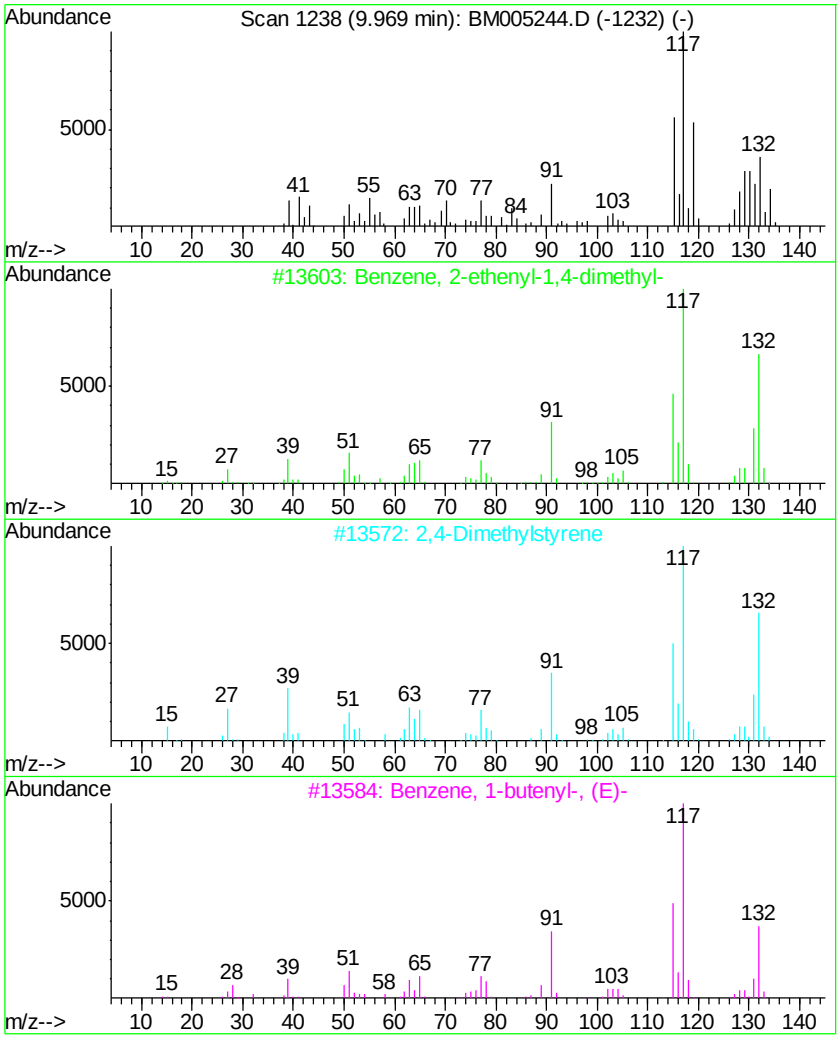
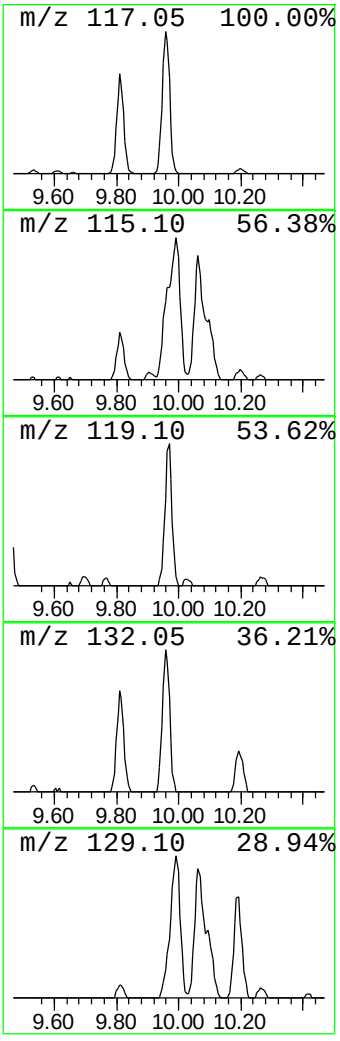
Peak Number 6 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.97	10.91 ng/ul	449026	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	78
2	2,4-Dimethylstyrene	132	C10H12	002234-20-0	70
3	Benzene, 1-butenyl-, (E)-	132	C10H12	001005-64-7	55
4	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	55
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	50





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Data File : BM005244.D
Acq On : 05 May 2016 20:51
Operator : UM/SJ
Sample : H2813-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M7

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

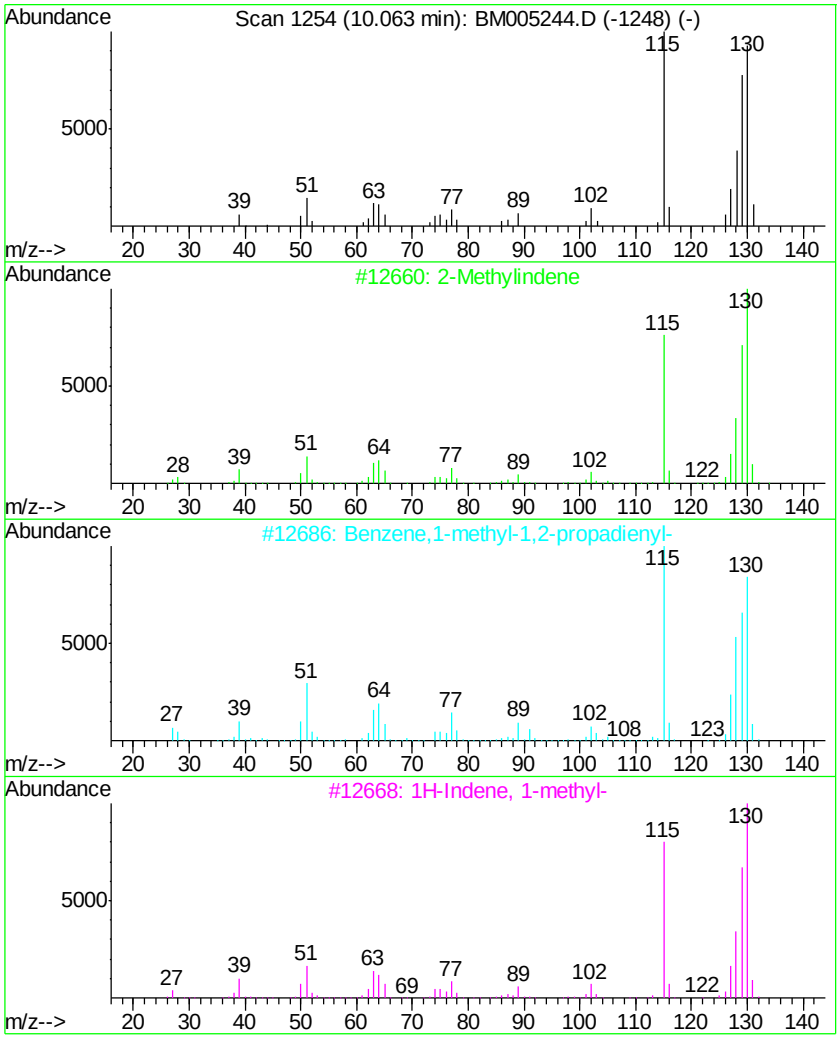
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

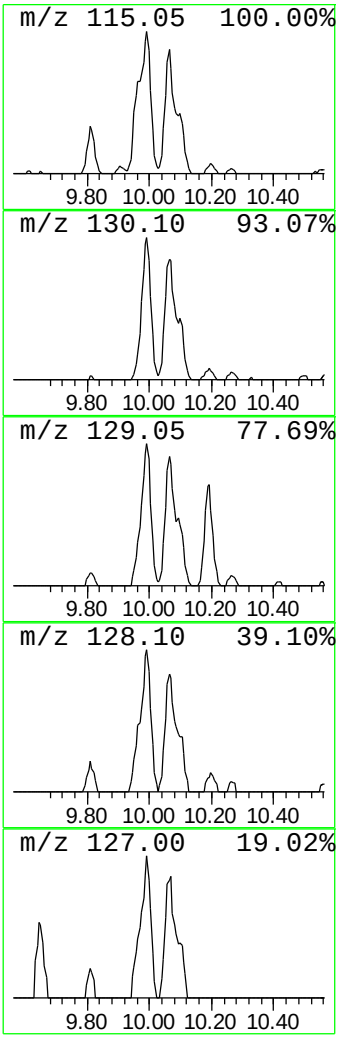
****

Peak Number 7 2-Methylindene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.06	4.97 ng/ul	204423	Naphthalene-d8	10.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	97
2	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	96
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
4	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	95
5	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005244.D
Acq On : 05 May 2016 20:51
Operator : UM/SJ
Sample : H2813-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M7

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

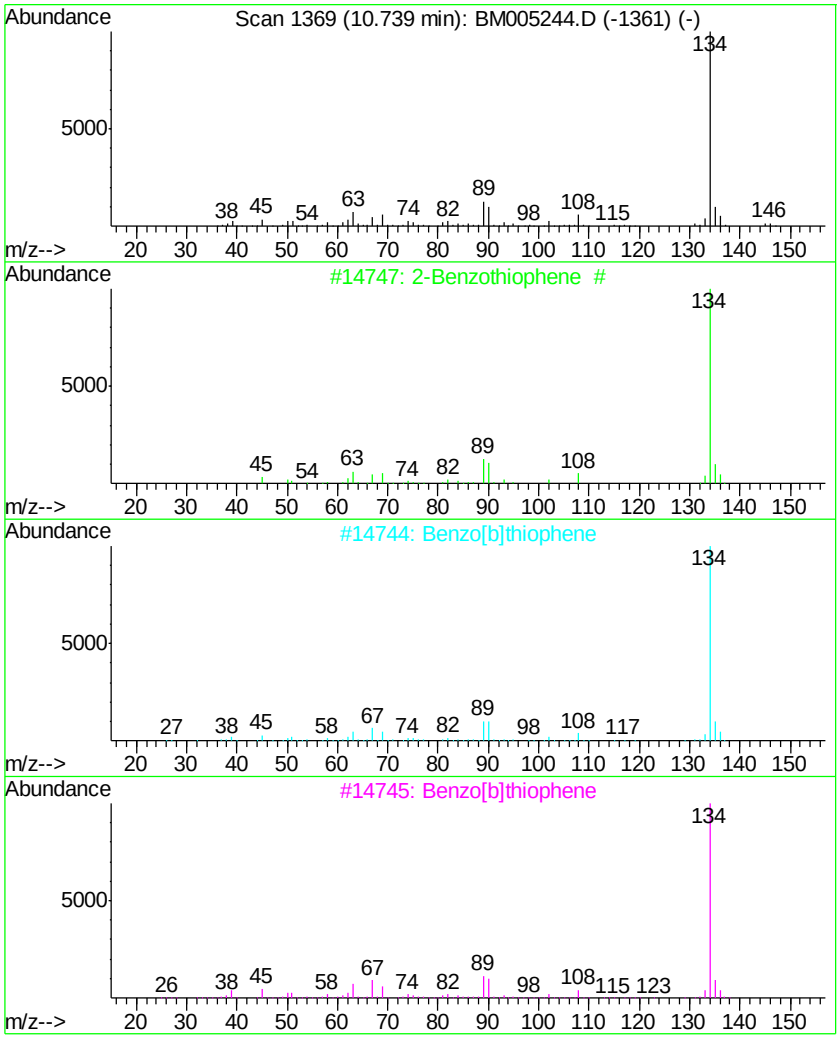
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

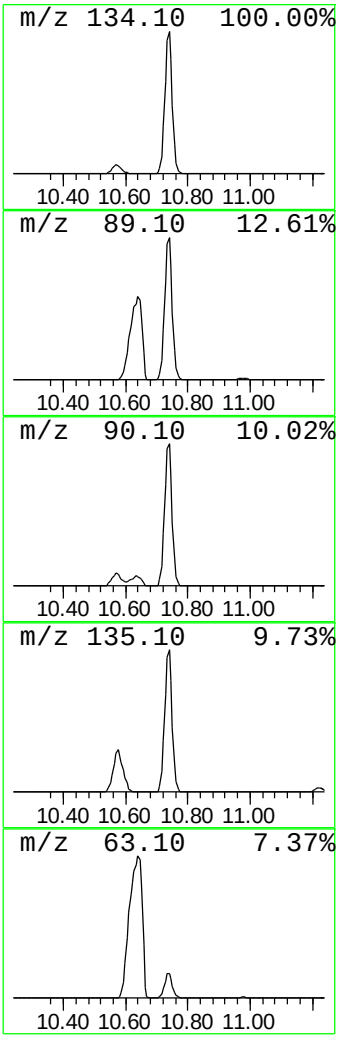
****

Peak Number 8 2-Benzothiophene # Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.74	33.12 ng/ul	1362640	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	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	90
5	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	87





Library Search Compound Report

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Acq On : 05 May 2016 20:51
Operator : UM/SJ
Sample : H2813-02
Misc :
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Instrument : BNA_M
ClientSampleId : BC7M7

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Quant Title : SVOA CALIBRATION

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

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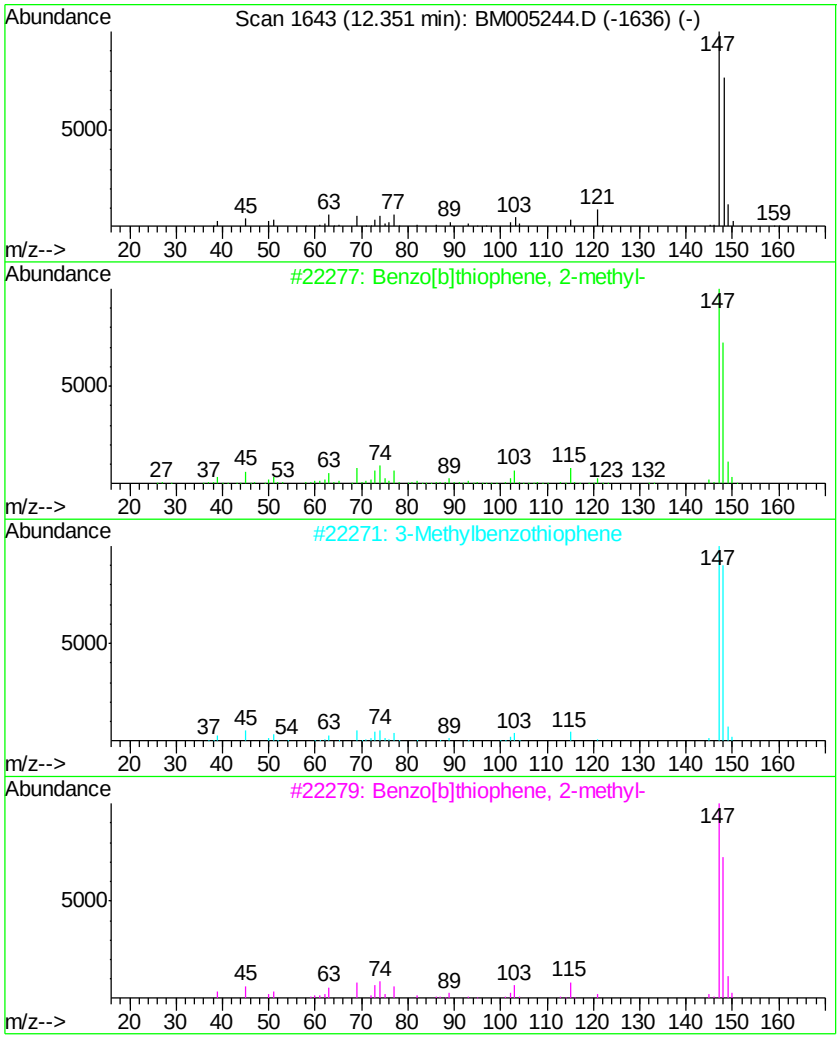
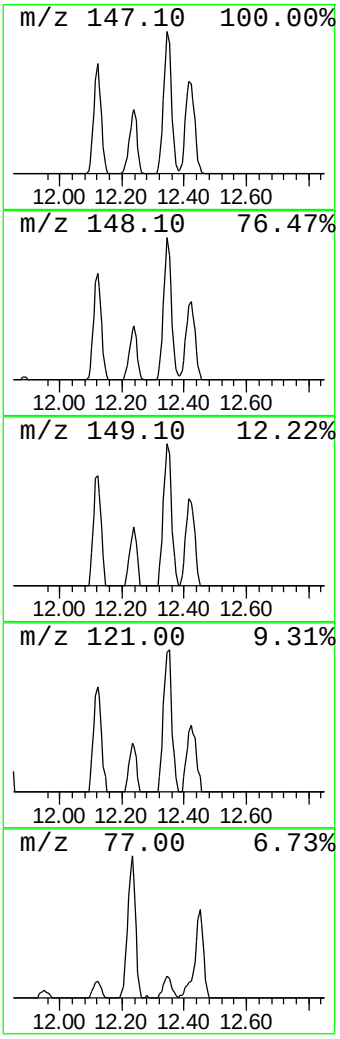
Peak Number 9 Benzo[b]thiophene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	4.61 ng/ul	189695	Naphthalene-d8	10.57

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





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ClientSampleId : BC7M7

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Quant Title : SVOA CALIBRATION

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

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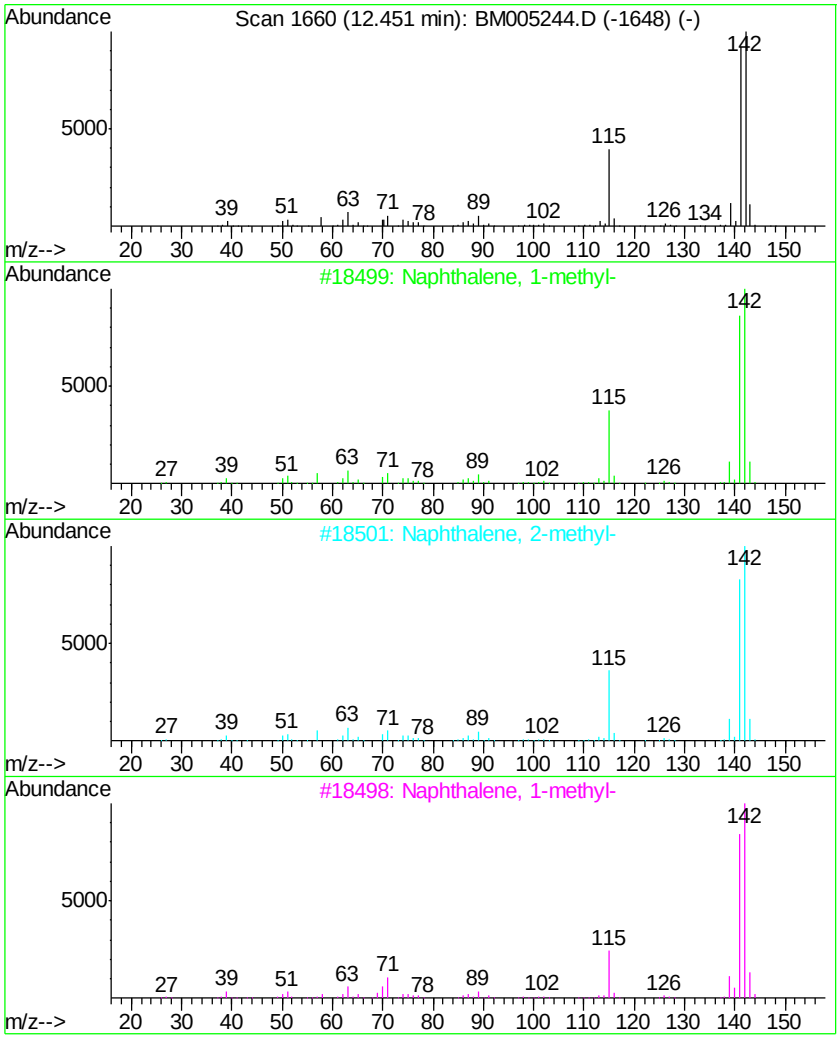
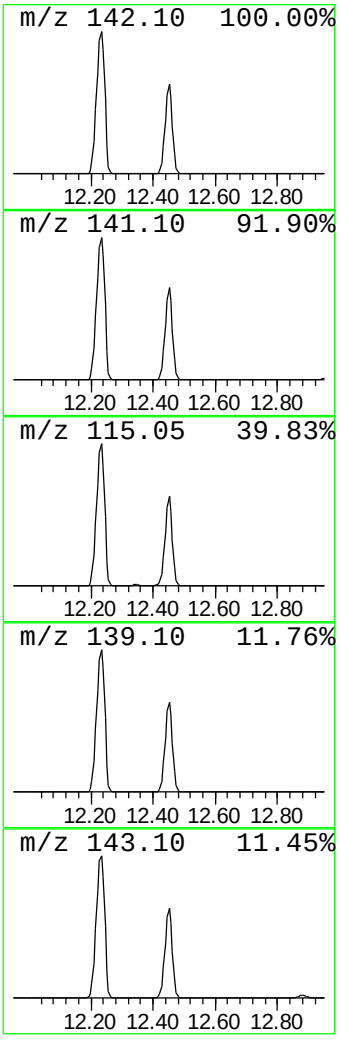
Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	83.74 ng/ul	3445470	Naphthalene-d8	10.57

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	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	Benzocycloheptatriene	142	C11H10	000264-09-5	94
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94





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Sample : H2813-02
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Instrument : BNA_M
ClientSampleId : BC7M7

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Quant Title : SVOA CALIBRATION

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

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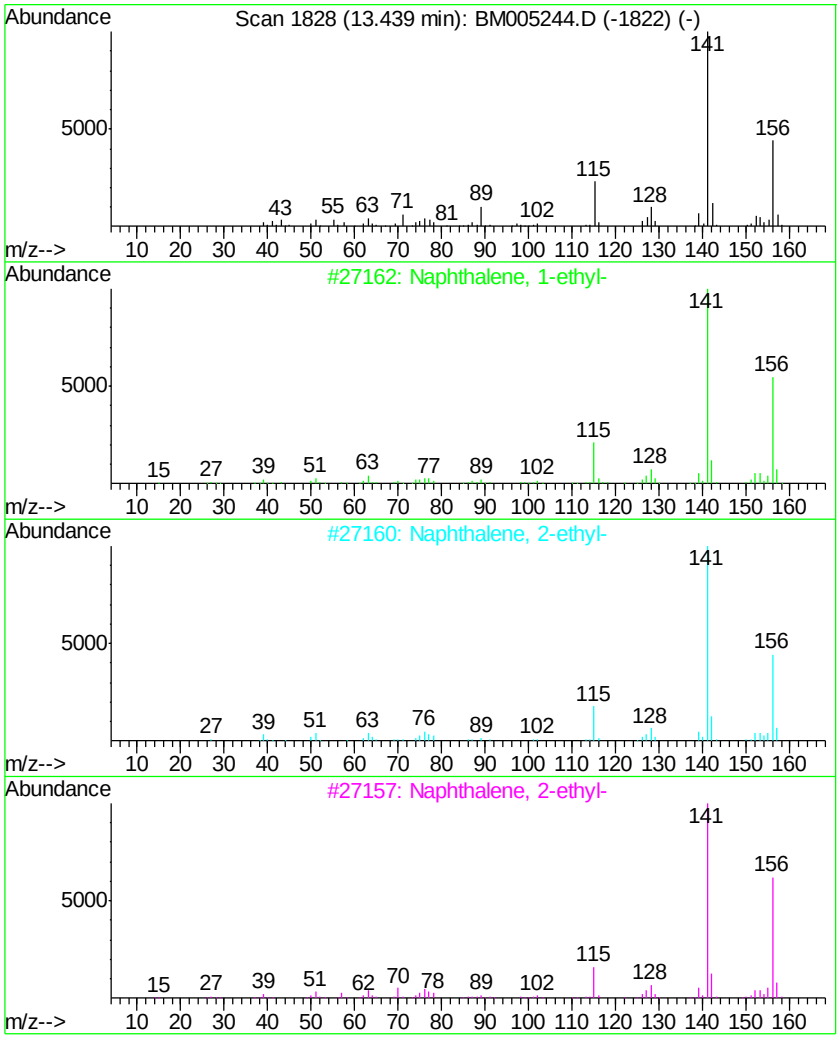
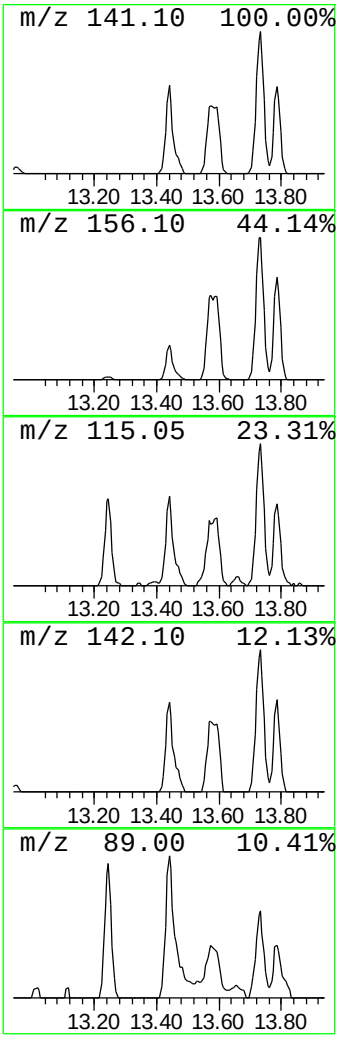
Peak Number 11 Naphthalene, 1-ethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.44	4.24 ng/ul	354975	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	95
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	93





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Instrument : BNA_M
ClientSampleId : BC7M7

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Quant Title : SVOA CALIBRATION

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

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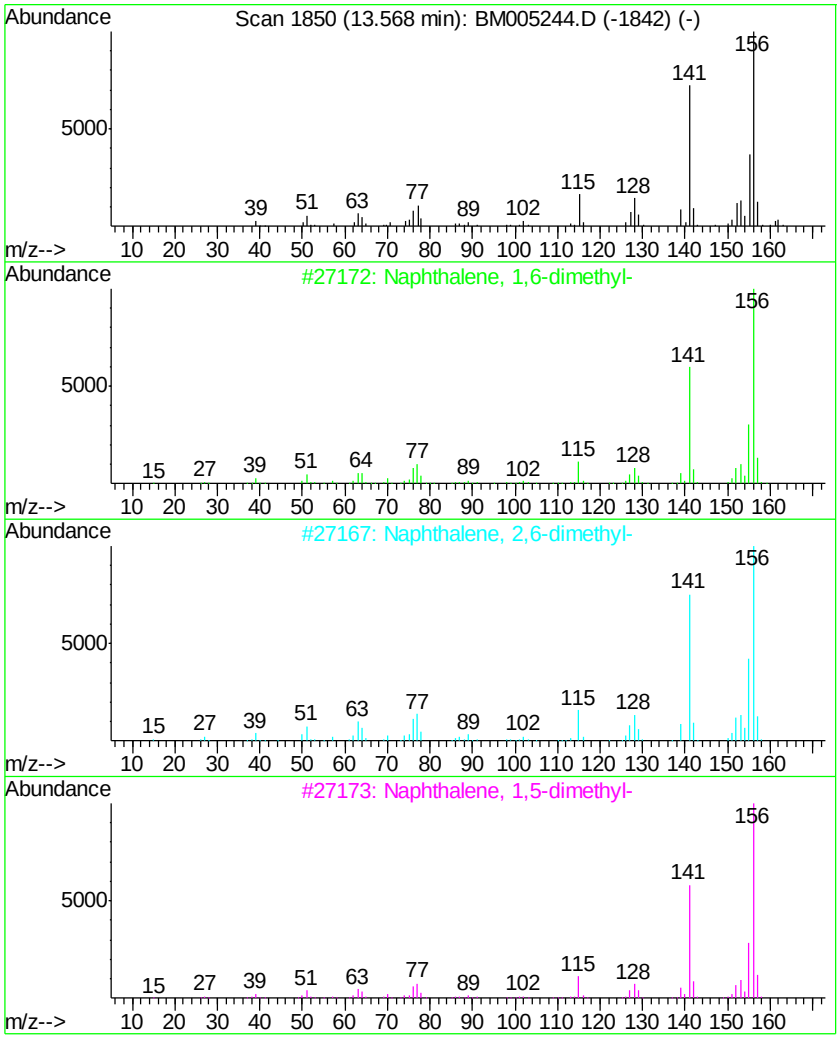
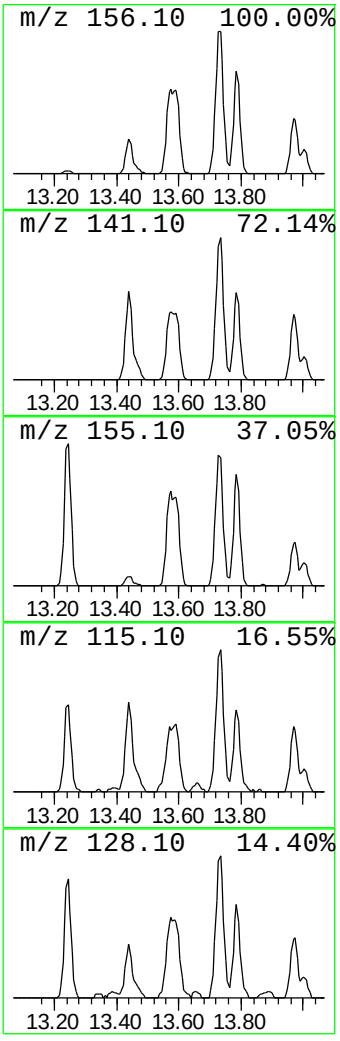
Peak Number 12 Naphthalene, 1,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.57	4.87 ng/ul	407391	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





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ClientSampleId : BC7M7

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Quant Title : SVOA CALIBRATION

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

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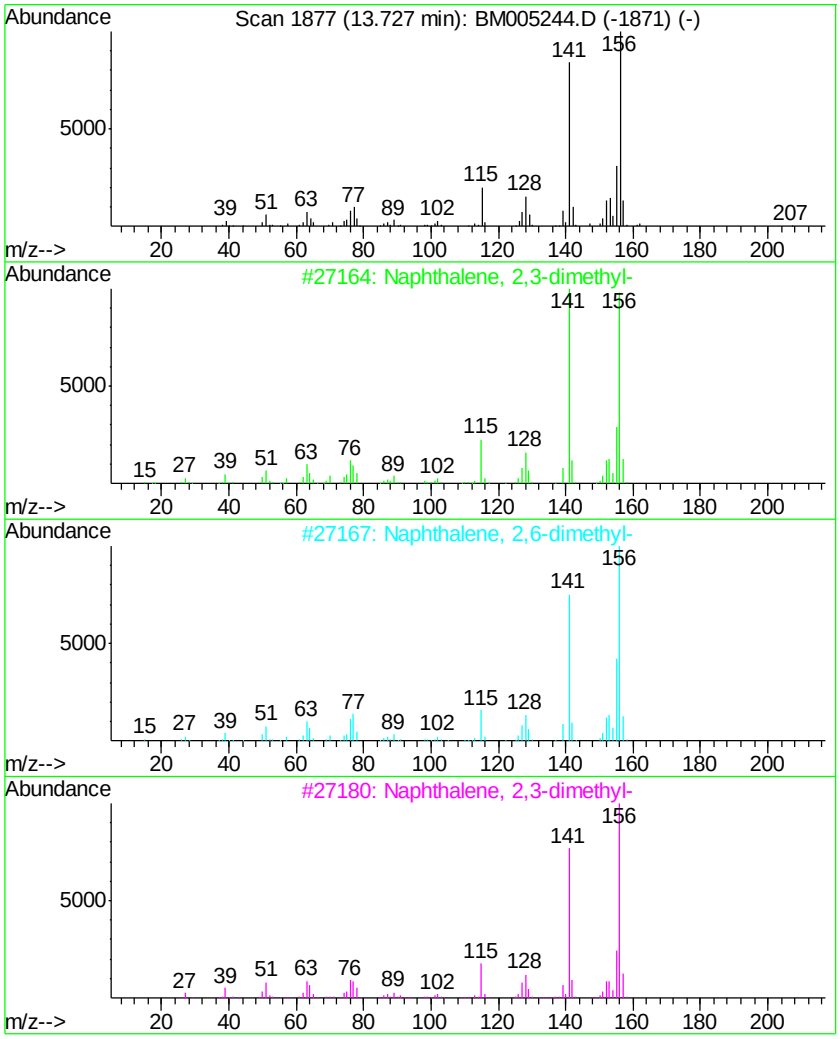
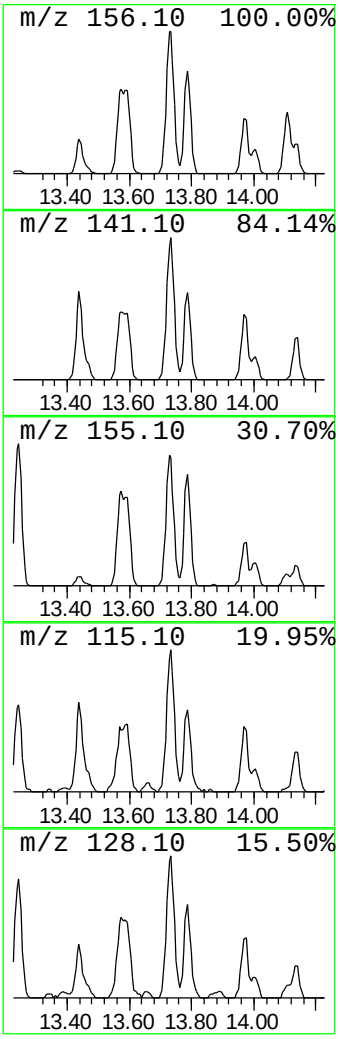
Peak Number 13 Naphthalene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	9.98 ng/ul	835028	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97





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Misc :
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Quant Title : SVOA CALIBRATION

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

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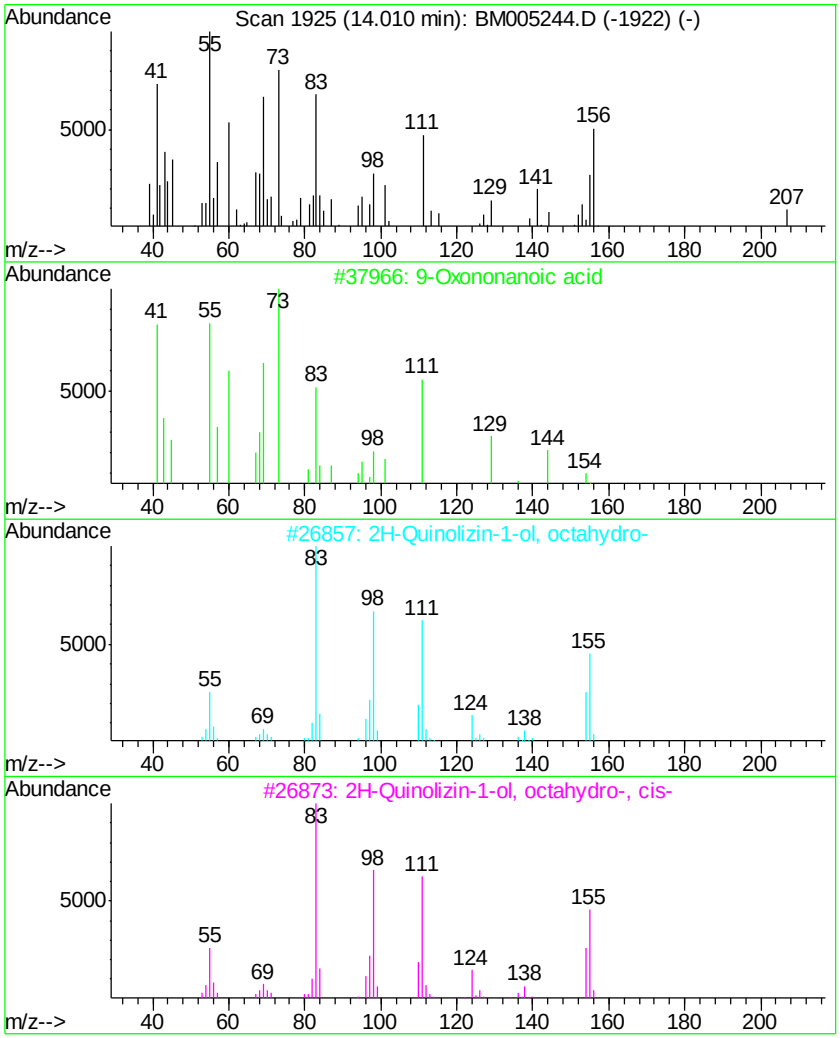
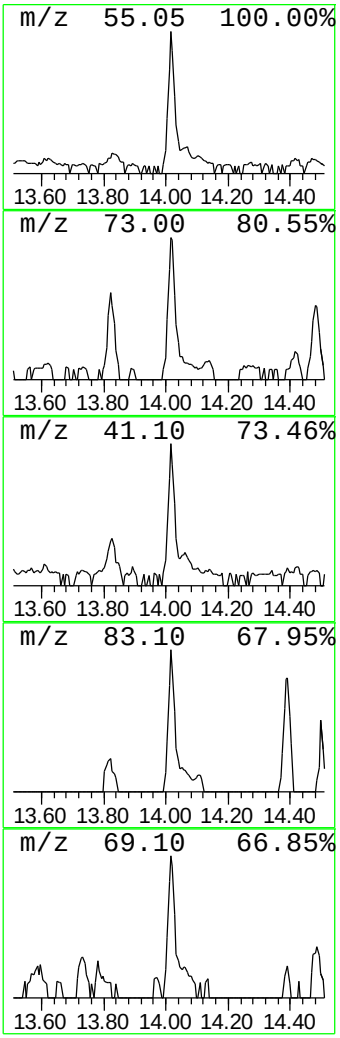
Peak Number 15 unknown-01 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	2.06 ng/ul	172226	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Oxononanoic acid	172	C9H16O3	002553-17-5	35
2	2H-Quinolizin-1-ol, octahydro-	155	C9H17NO	022525-60-6	22
3	2H-Quinolizin-1-ol, octahydro-, ...	155	C9H17NO	010447-19-5	22
4	Cyclohexane, methyl-	98	C7H14	000108-87-2	11
5	2-Hexenal, (E)-	98	C6H10O	006728-26-3	11





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Instrument : BNA_M
ClientSampleId : BC7M7

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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 2-Naphthalenecarbonitrile Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	5.53 ng/ul	462466	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	95
4	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	93
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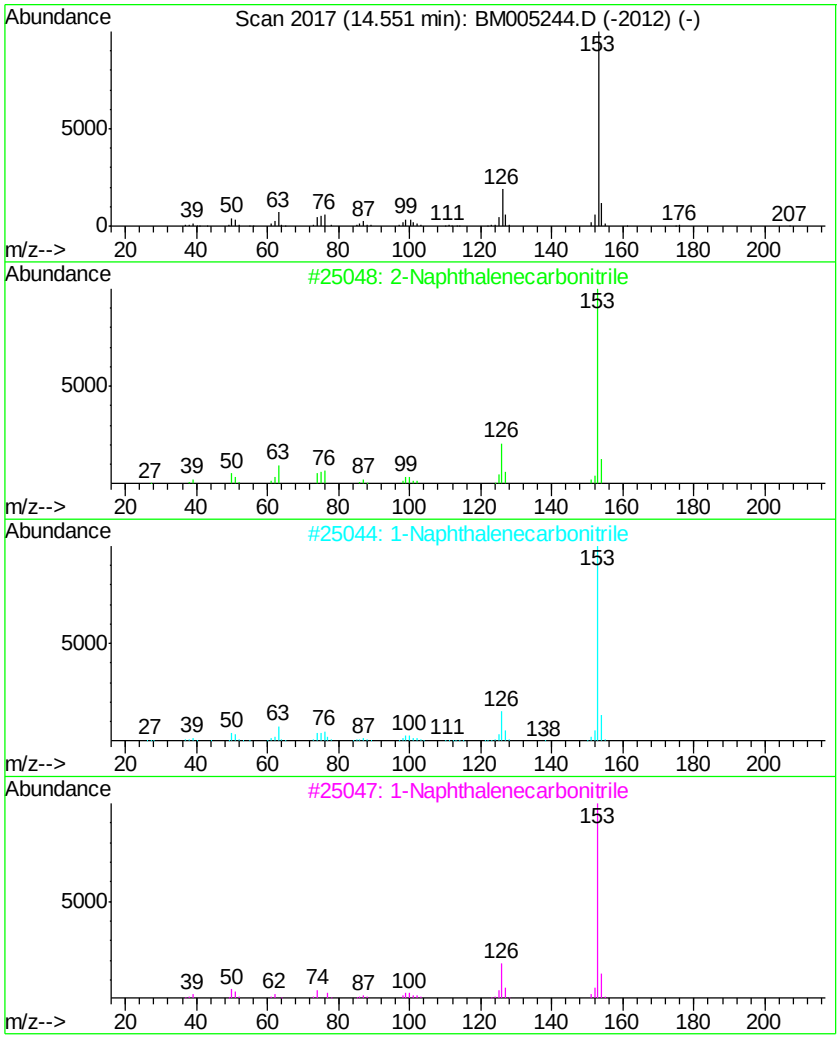

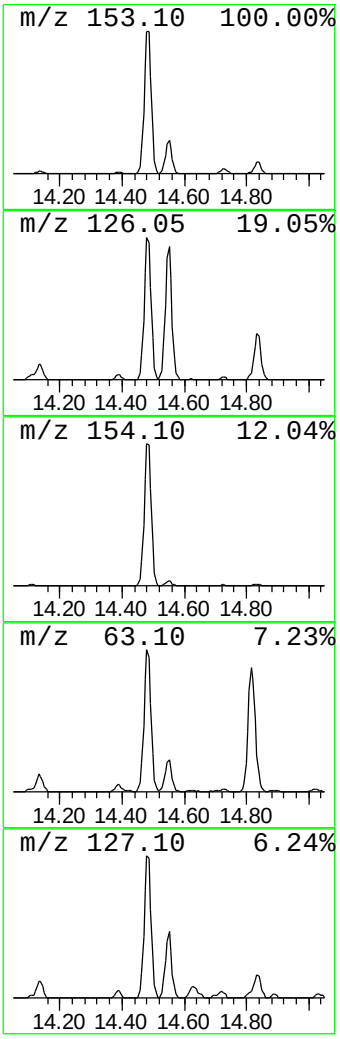

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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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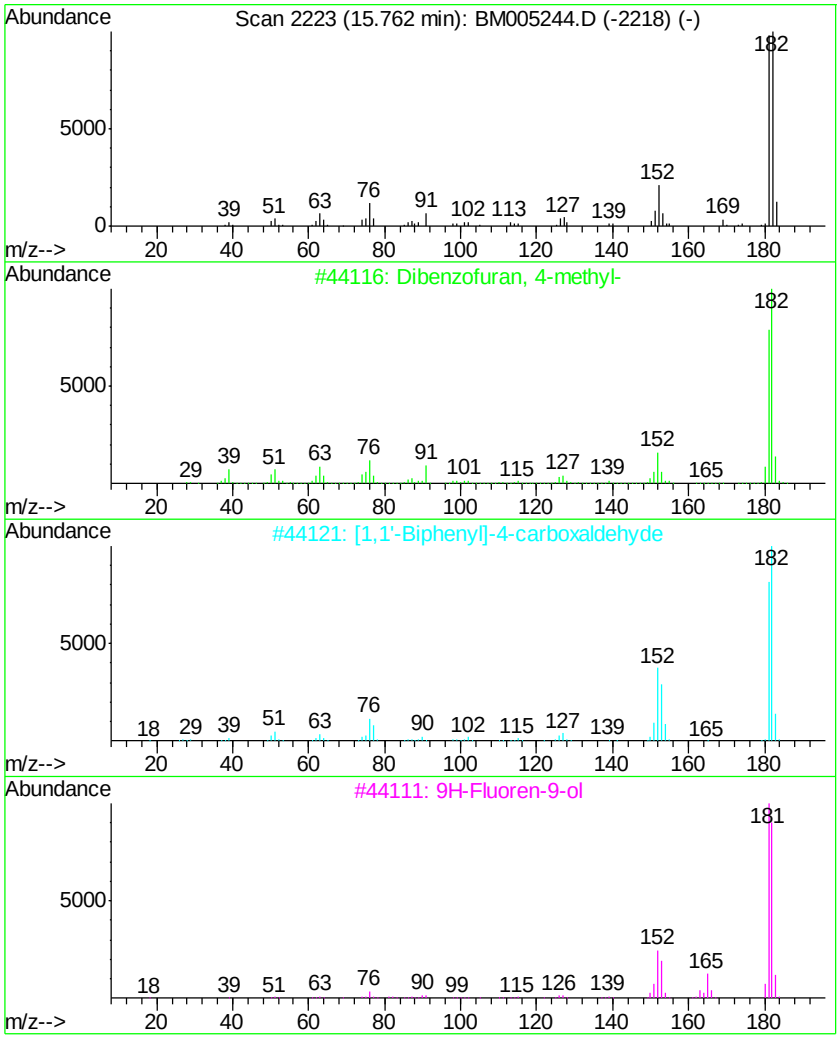
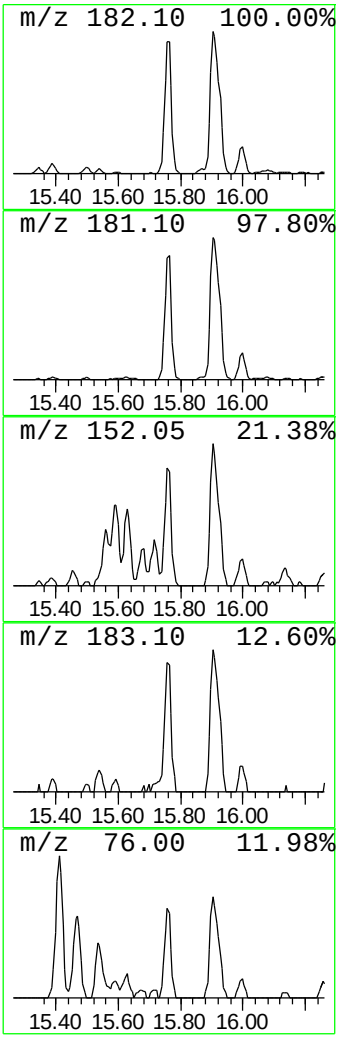
Peak Number 17 Dibenzofuran, 4-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.76	3.03 ng/ul	253202	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	89
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	9H-Xanthene	182	C13H10O	000092-83-1	72
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	64





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Quant Title : SVOA CALIBRATION

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

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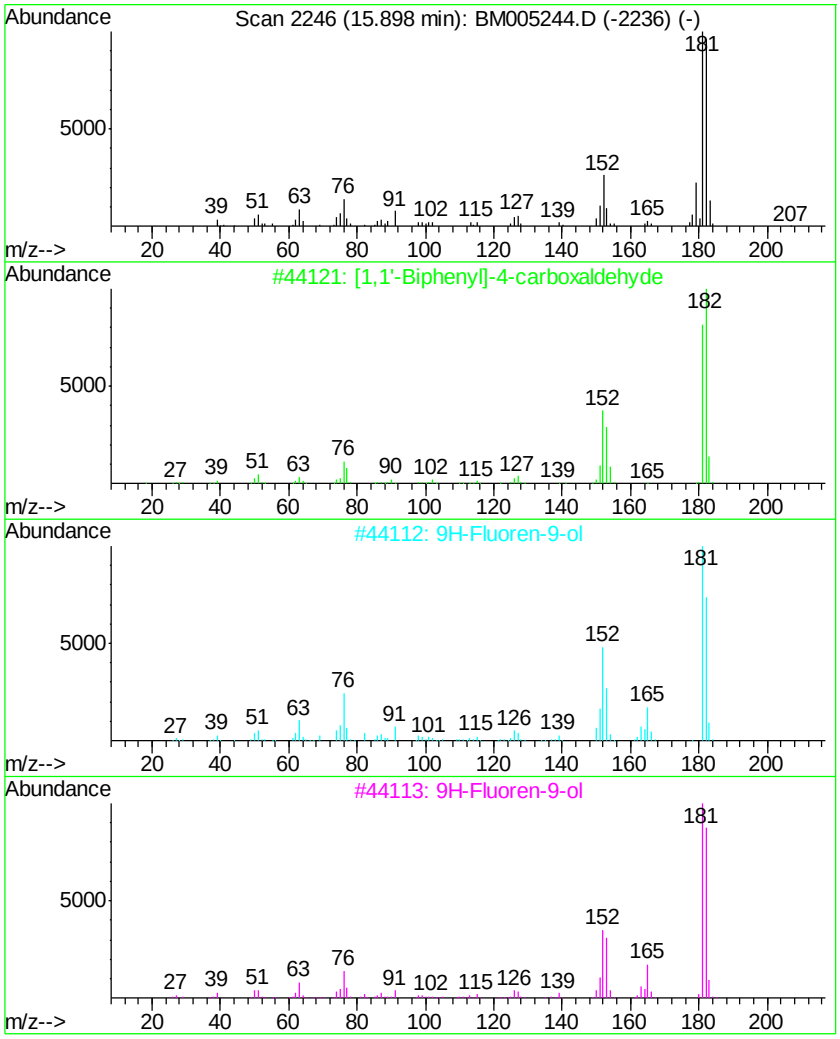
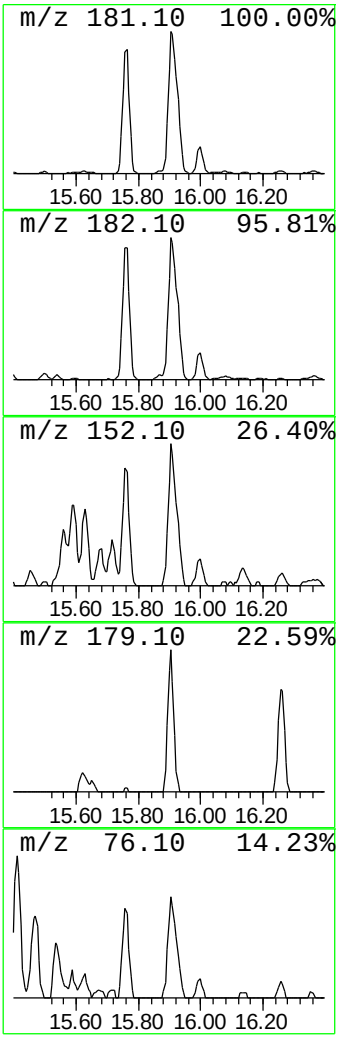
Peak Number 18 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	4.85 ng/ul	463913	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	89
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	74
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	64
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	64





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Quant Title : SVOA CALIBRATION

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

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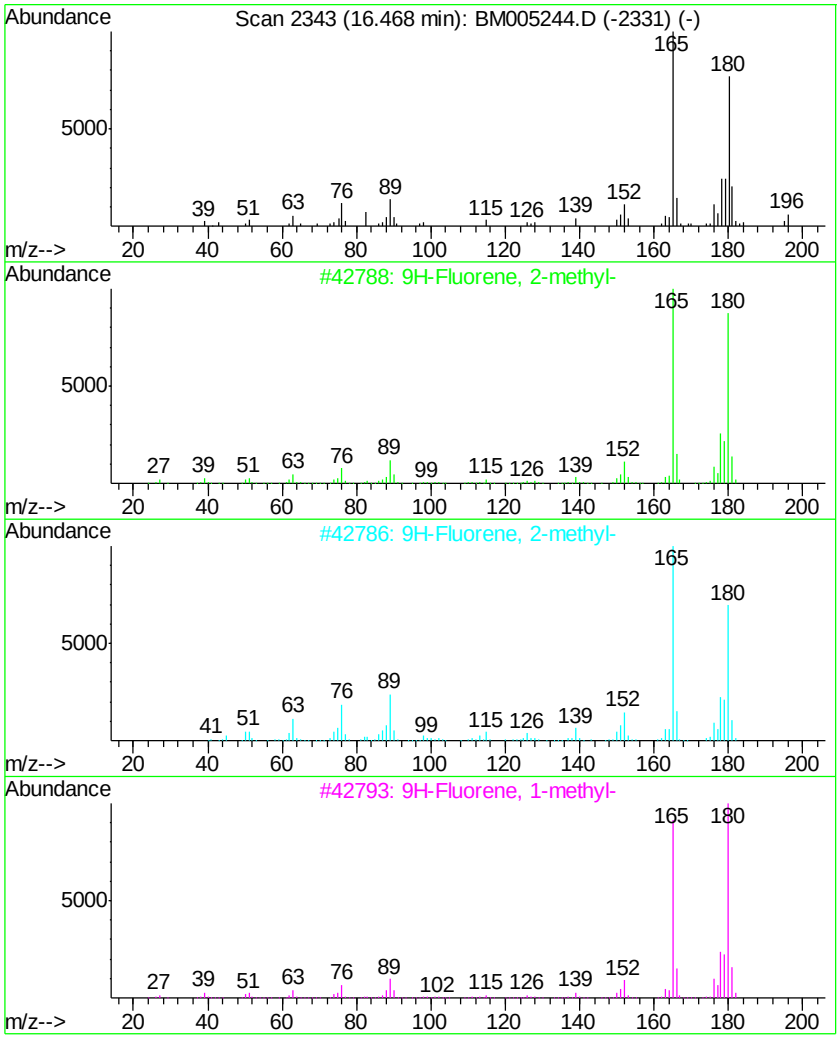
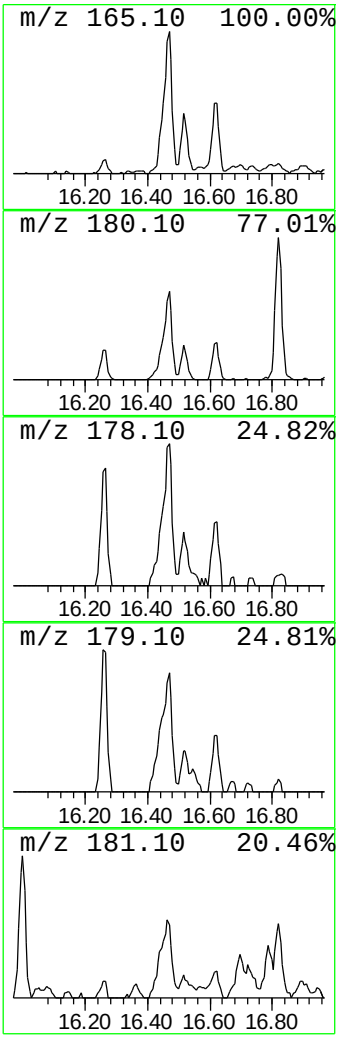
Peak Number 19 9H-Fluorene, 2-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.47	2.55 ng/ul	244569	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	95
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93





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Quant Title : SVOA CALIBRATION

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

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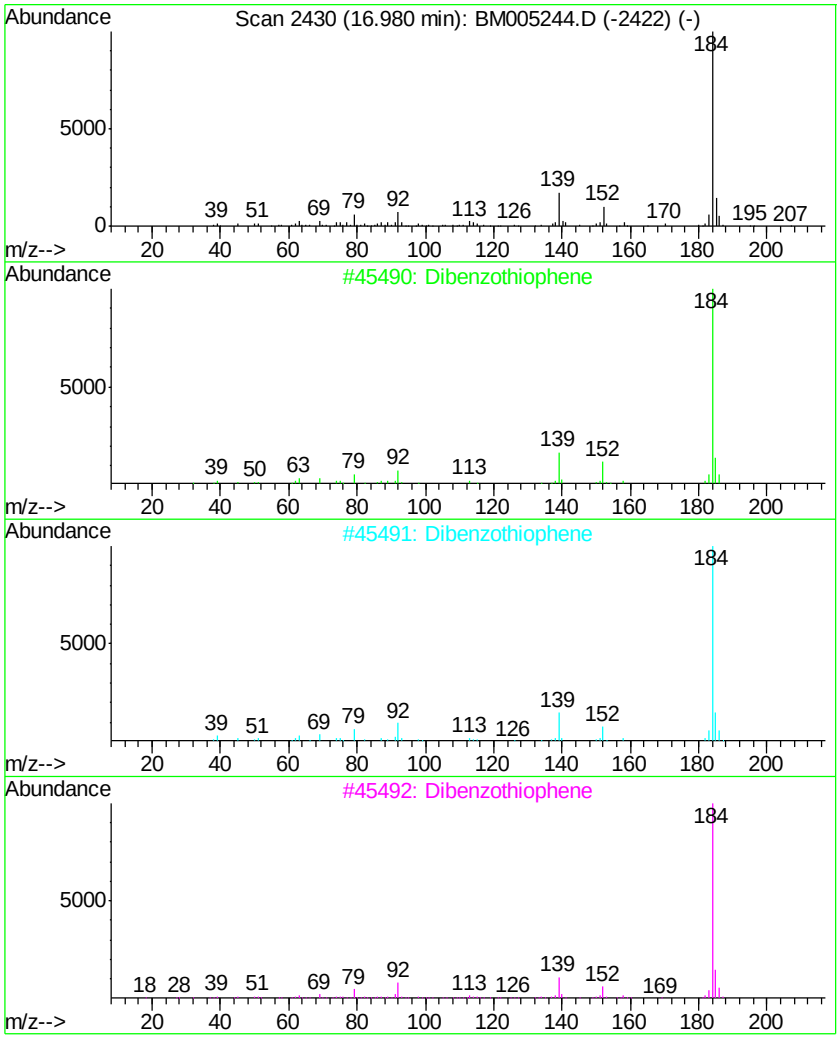
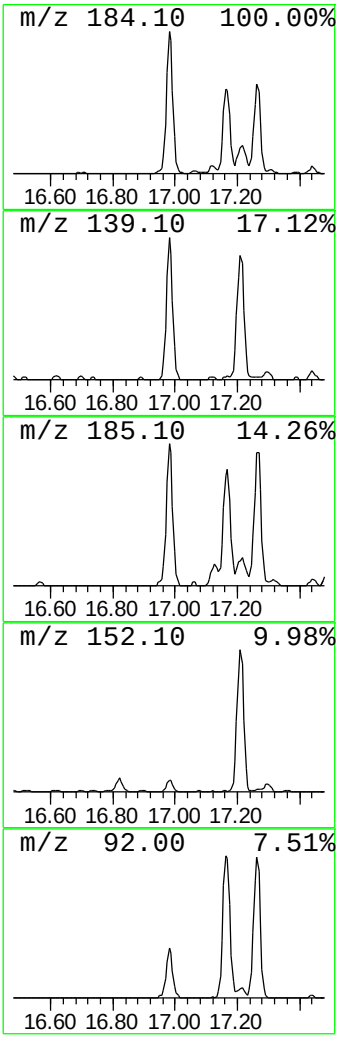
Peak Number 20 Dibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.98	4.72 ng/ul	451754	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Dibenzothiophene	184	C12H8S	000132-65-0	95
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5	Dibenzothiophene	184	C12H8S	000132-65-0	94





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Quant Title : SVOA CALIBRATION

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

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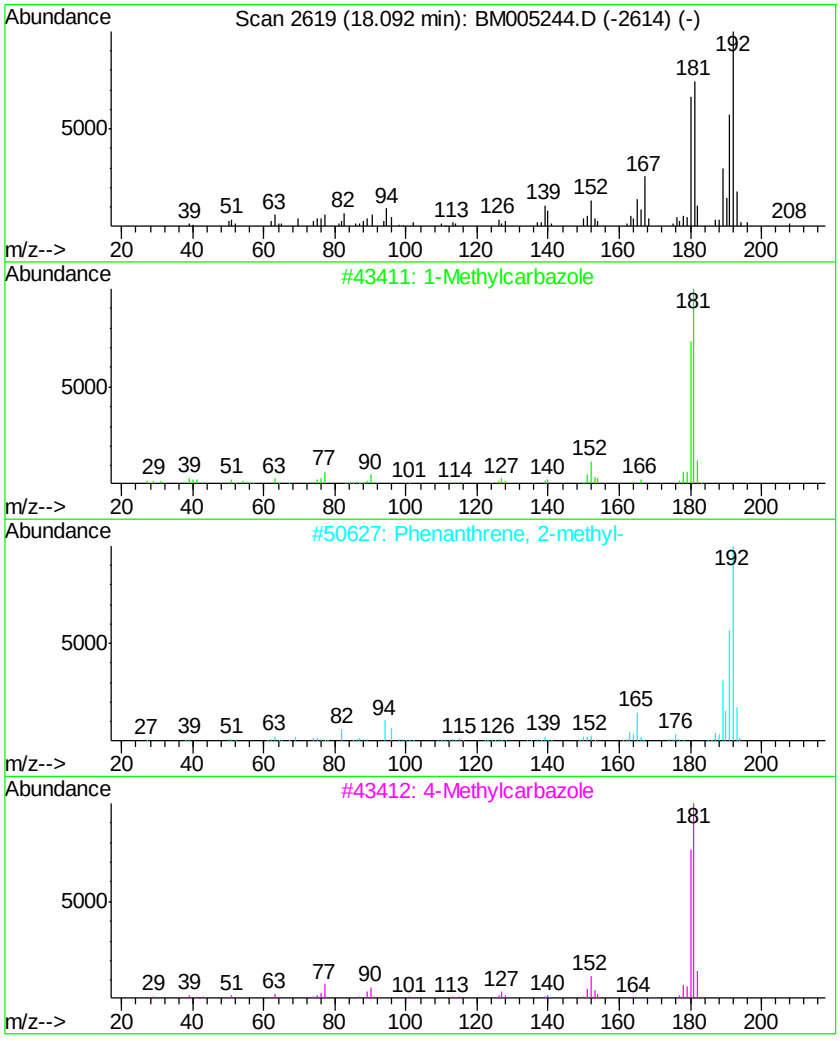
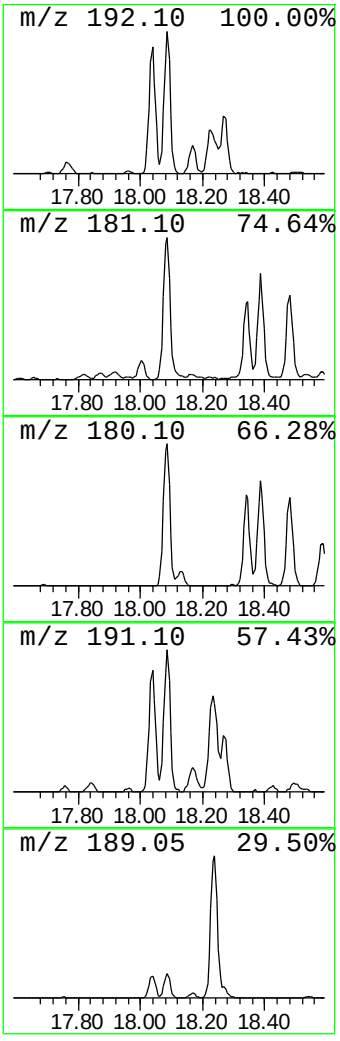
Peak Number 21 1-Methylcarbazole Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	3.55 ng/ul	339589	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methylcarbazole	181	C13H11N	006510-65-2	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	4-Methylcarbazole	181	C13H11N	003770-48-7	89
4	3-Methylcarbazole	181	C13H11N	004630-20-0	89
5	3-Methylcarbazole	181	C13H11N	004630-20-0	86





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Data File : BM005244.D
Acq On : 05 May 2016 20:51
Operator : UM/SJ
Sample : H2813-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M7

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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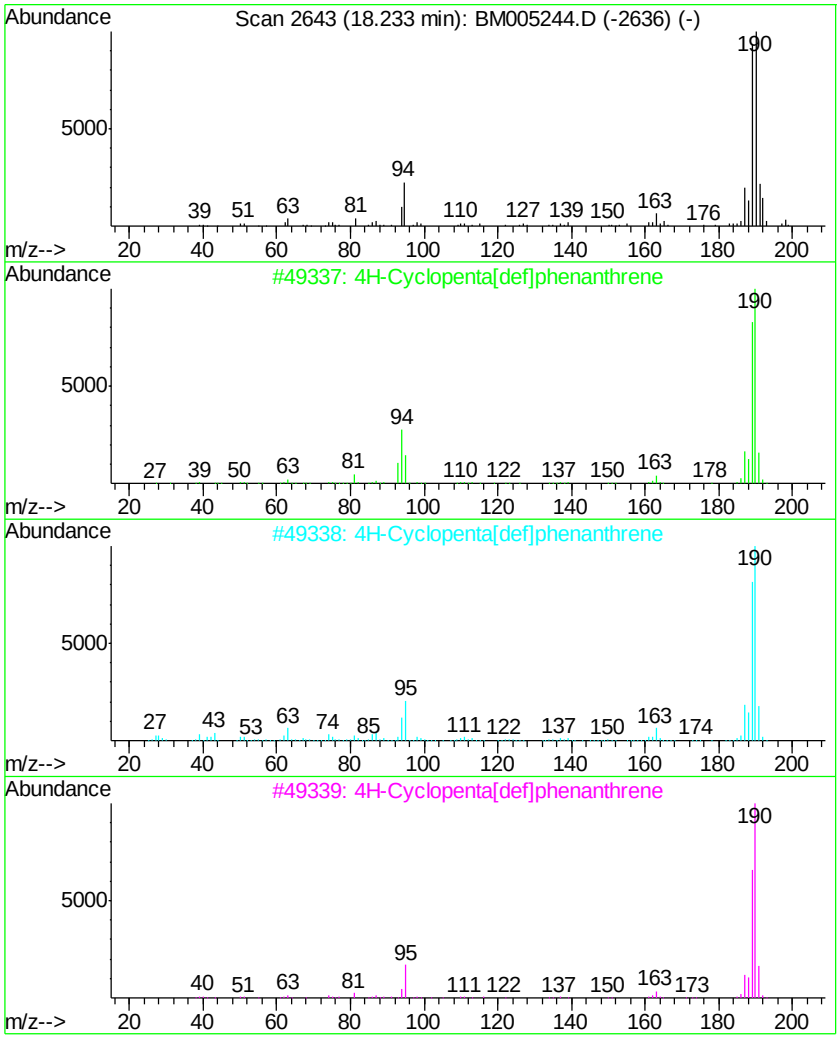
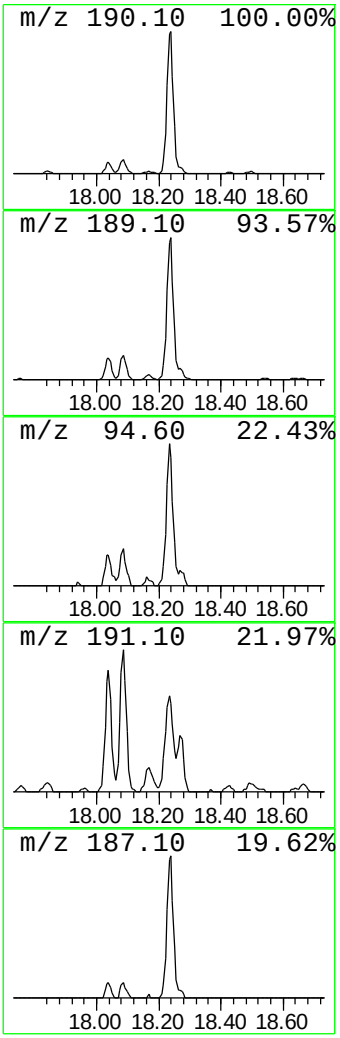
Peak Number 22 4H-Cyclopenta[def]phenanthrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	4.25 ng/ul	406851	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	95
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	74
4	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	59
5	Methyl diselenide	190	C2H6Se2	007101-31-7	45





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005244.D
Acq On : 05 May 2016 20:51
Operator : UM/SJ
Sample : H2813-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M7

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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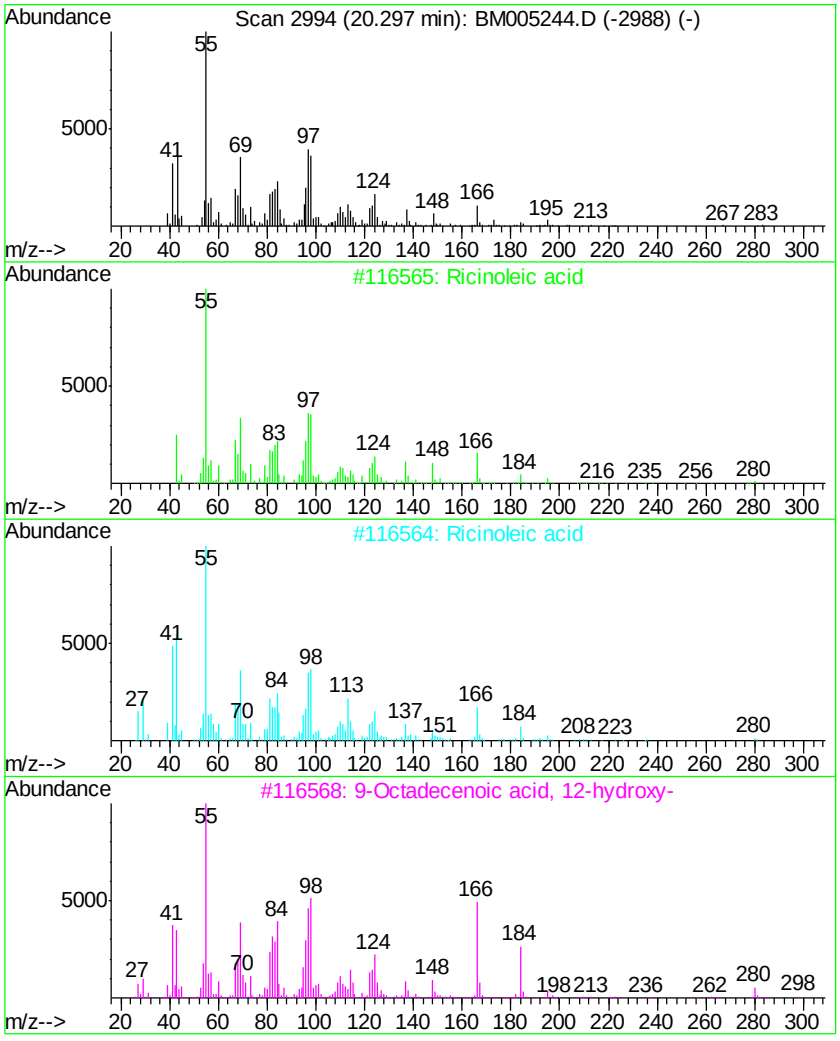
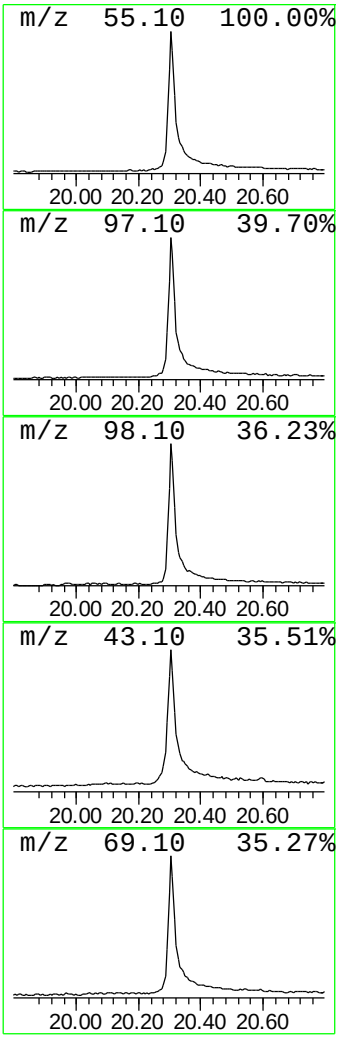
Peak Number 23 Ricinoleic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.30	10.18 ng/ul	1270510	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	80
3	9-Octadecenoic acid, 12-hydroxy-	298	C18H34O3	007431-95-0	64
4	Ricinoleic acid	298	C18H34O3	000141-22-0	58
5	Methyl ricinoleate	312	C19H36O3	000141-24-2	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005244.D
Acq On : 05 May 2016 20:51
Operator : UM/SJ
Sample : H2813-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7M7

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	6.7	ng/ul	191215	1	7.77	575433	20.0
Benzene, 1,2,3-tr...	7.42	7.2	ng/ul	207172	1	7.77	575433	20.0
Indane	8.15	20.5	ng/ul	589139	1	7.77	575433	20.0
Indene	8.30	32.1	ng/ul	924720	1	7.77	575433	20.0
Benzofuran, 2-met...	9.25	7.5	ng/ul	307321	2	10.57	822862	20.0
Benzene, 2-etheny...	9.97	10.9	ng/ul	449026	2	10.57	822862	20.0
2-Methylindene	10.06	5.0	ng/ul	204423	2	10.57	822862	20.0
2-Benzothiophene #	10.74	33.1	ng/ul	1362640	2	10.57	822862	20.0
Benzo[b]thiophene...	12.35	4.6	ng/ul	189695	2	10.57	822862	20.0
Naphthalene, 1-me...	12.45	83.7	ng/ul	3445470	2	10.57	822862	20.0
Naphthalene, 1-et...	13.44	4.2	ng/ul	354975	3	14.42	1672750	20.0
Naphthalene, 1,6-...	13.57	4.9	ng/ul	407391	3	14.42	1672750	20.0
Naphthalene, 2,3-...	13.73	10.0	ng/ul	835028	3	14.42	1672750	20.0
unknown-01	14.01	2.1	ng/ul	172226	3	14.42	1672750	20.0
2-Naphthalenecarb...	14.55	5.5	ng/ul	462466	3	14.42	1672750	20.0
Dibenzofuran, 4-m...	15.76	3.0	ng/ul	253202	3	14.42	1672750	20.0
[1,1'-Biphenyl]-4...	15.90	4.8	ng/ul	463913	4	17.16	1914750	20.0
9H-Fluorene, 2-me...	16.47	2.5	ng/ul	244569	4	17.16	1914750	20.0
Dibenzothiophene	16.98	4.7	ng/ul	451754	4	17.16	1914750	20.0
1-Methylcarbazole	18.09	3.5	ng/ul	339589	4	17.16	1914750	20.0
4H-Cyclopenta[def...	18.23	4.3	ng/ul	406851	4	17.16	1914750	20.0
Ricinoleic acid	20.30	10.2	ng/ul	1270510	5	21.36	2495870	20.0