LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005254.D
Acq On : 06 May 2016 02:58
Operator : UM/SJ
Sample : H2813-11
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7T1

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	548	rVB	160441	238910	1.32%	0.254%
2	7.110	746	752	759	rBV	308874	492128	2.71%	0.522%
3	7.310	779	786	796	rBV	312000	514701	2.84%	0.546%
4	7.422	796	805	811	rVV	156299	251254	1.38%	0.267%
5	7.775	854	865	871	rBV	395811	648407	3.57%	0.688%
6	8.145	921	928	935	rBV	429355	705360	3.89%	0.749%
7	8.304	949	955	961	rBV	677669	1115879	6.15%	1.184%
8	8.386	961	969	979	rVV2	74512	214426	1.18%	0.228%
9	8.481	979	985	997	rVB	264197	453266	2.50%	0.481%
10	8.933	1056	1062	1074	rVB	406666	738188	4.07%	0.783%
11	9.245	1102	1115	1121	rBV	177416	374143	2.06%	0.397%
12	9.651	1177	1184	1197	rVB	358875	588867	3.24%	0.625%
13	9.980	1232	1240	1248	rVB4	169809	547100	3.01%	0.581%
14	10.192	1269	1276	1284	rBV	510878	916483	5.05%	0.973%
15	10.569	1331	1340	1342	rBV	464311	848980	4.68%	0.901%
16	10.645	1342	1353	1359	rVV	6319328	18154273	100.00%	19.267%
17	10.739	1361	1369	1378	rVV	980858	1633952	9.00%	1.734%
18	12.233	1614	1623	1630	rBV	3568616	6665591	36.72%	7.074%
19	12.345	1636	1642	1649	rVV	133886	234168	1.29%	0.249%
20	12.451	1649	1660	1667	rVB	2328898	4054439	22.33%	4.303%
21	13.245	1788	1795	1801	rBV	975248	1467088	8.08%	1.557%
22	13.439	1822	1828	1838	rVB	238812	449941	2.48%	0.478%
23	13.574	1841	1851	1852	rBV	329839	514599	2.83%	0.546%
24	13.733	1870	1878	1883	rBV	547329	1009372	5.56%	1.071%
25	13.786	1883	1887	1890	rVV	390671	596459	3.29%	0.633%
26	13.827	1890	1894	1900	rVB	1042884	1458045	8.03%	1.547%
27	13.968	1909	1918	1922	rBV	229944	375547	2.07%	0.399%
28	14.010	1922	1925	1931	rVV2	119727	223784	1.23%	0.238%
29	14.110	1935	1942	1954	rVB2	1139404	2218469	12.22%	2.355%
30	14.415	1984	1994	2000	rBV3	980260	1814721	10.00%	1.926%
31	14.486	2000	2006	2012	rVV	2526634	4175720	23.00%	4.432%
32	14.551	2012	2017	2024	rVB	376304	548235	3.02%	0.582%
33	14.627	2024	2030	2038	rBV2	107598	212173	1.17%	0.225%
34	14.815	2056	2062	2071	rVV	2186848	3589911	19.77%	3.810%

LSC Area Percent Report

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Acq On : 06 May 2016 02:58
Operator : UM/SJ
Sample : H2813-11
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7T1

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	2157	2163	2168	rBV	1478648	2194283	12.09%	2.329%
36	15.468	2168	2173	2180	rVB	2335725	3530500	19.45%	3.747%
37	15.539	2180	2185	2191	rBV	565299	887285	4.89%	0.942%
38	15.627	2196	2200	2205	rVB2	141661	188031	1.04%	0.200%
39	15.757	2218	2222	2228	rVB	214930	305581	1.68%	0.324%
40	15.904	2243	2247	2257	rVB	252338	501771	2.76%	0.533%
41	16.468	2330	2343	2348	rBV2	127663	302220	1.66%	0.321%
42	16.980	2422	2430	2439	rVB	348224	548011	3.02%	0.582%
43	17.162	2456	2461	2465	rBV	1193464	2004447	11.04%	2.127%
44	17.209	2465	2469	2474	rVV	3241317	5067209	27.91%	5.378%
45	17.262	2474	2478	2482	rVV2	1762857	2596810	14.30%	2.756%
46	17.298	2482	2484	2489	rVB	253517	291315	1.60%	0.309%
47	17.568	2519	2530	2537	rBV	1040959	1563671	8.61%	1.660%
48	18.039	2606	2610	2614	rBV	123171	215199	1.19%	0.228%
49	18.086	2614	2618	2623	rVB	272892	384279	2.12%	0.408%
50	18.233	2637	2643	2647	rBV2	297772	489537	2.70%	0.520%
51	18.339	2654	2661	2665	rBV2	97528	196635	1.08%	0.209%
52	18.480	2681	2685	2690	rVV2	120060	206041	1.13%	0.219%
53	18.539	2690	2695	2699	rVV2	118307	183405	1.01%	0.195%
54	19.221	2802	2811	2816	rBV	753982	1105419	6.09%	1.173%
55	19.268	2816	2819	2825	rVB	324616	370903	2.04%	0.394%
56	19.562	2863	2869	2873	rBV2	2105125	3363546	18.53%	3.570%
57	20.303	2988	2995	3015	rBV	740356	1474339	8.12%	1.565%
58	21.356	3167	3174	3179	rBV	1782465	2546455	14.03%	2.703%
59	23.485	3528	3536	3552	rVB2	1551822	3117887	17.17%	3.309%
60	23.627	3552	3560	3574	rVB2	1163527	2348544	12.94%	2.493%
61	24.885	3768	3774	3783	rVB	88700	194460	1.07%	0.206%

Sum of corrected areas: 94222362

LSC Report - Integrated Chromatogram

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Acq On : 06 May 2016 02:58
Operator : UM/SJ
Sample : H2813-11
Misc :
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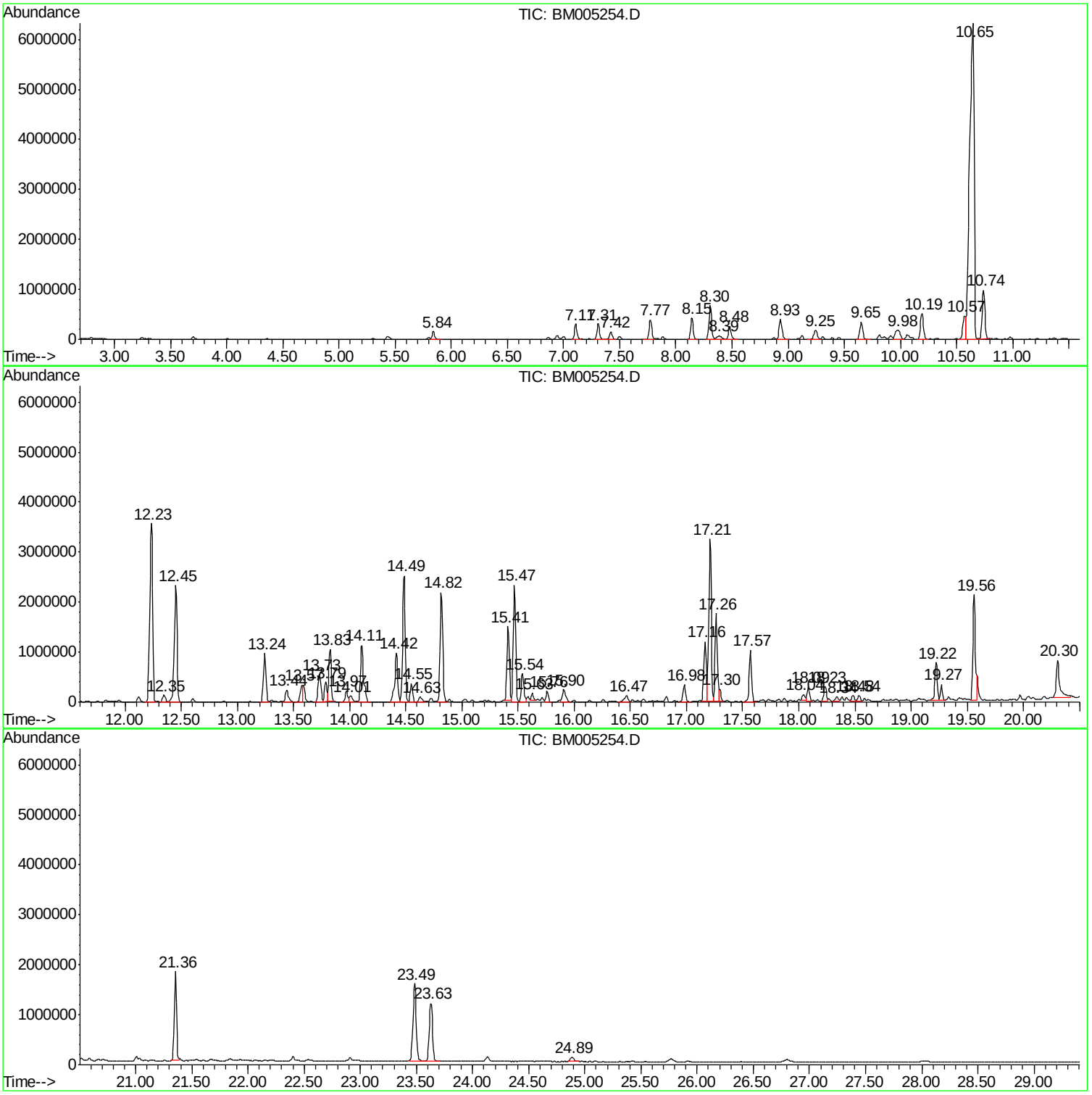
Instrument : BNA_M
ClientSampleId : BC7T1

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005254.D
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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

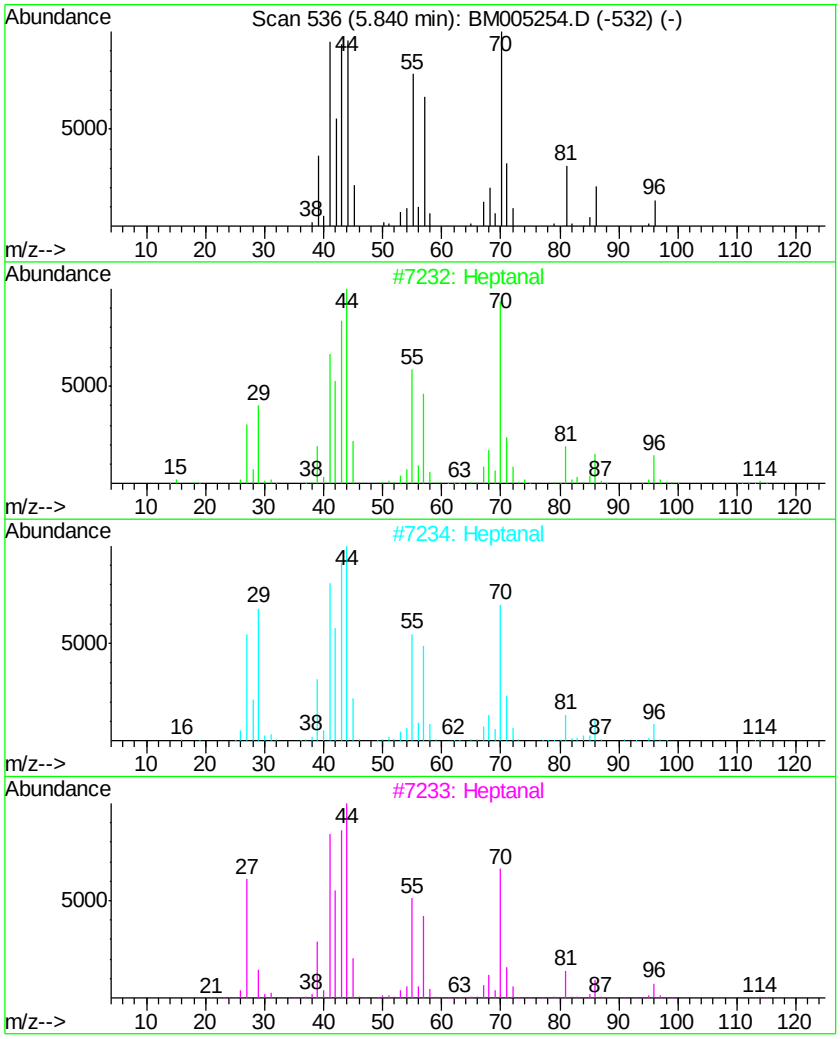
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

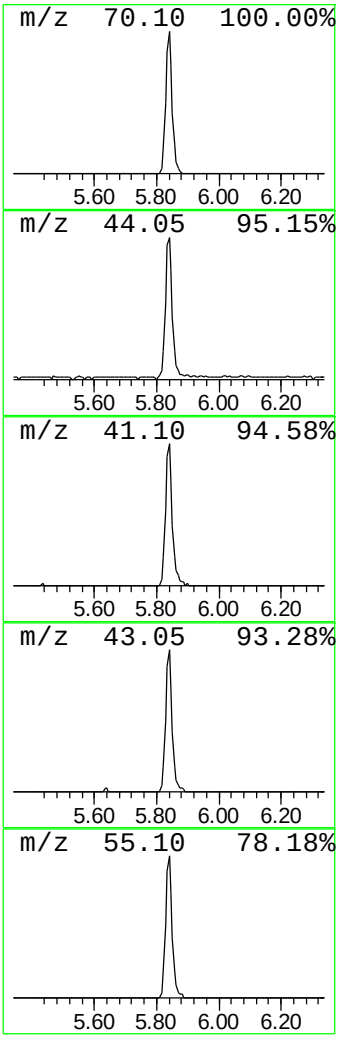
****

Peak Number 1 Heptanal Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.84	7.37 ng/ul	238910	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	86
3	Heptanal	114	C7H14O	000111-71-7	83
4	Heptanal	114	C7H14O	000111-71-7	64
5	Hexanal, 3-methyl-	114	C7H14O	019269-28-4	47





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
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Sample : H2813-11
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7T1

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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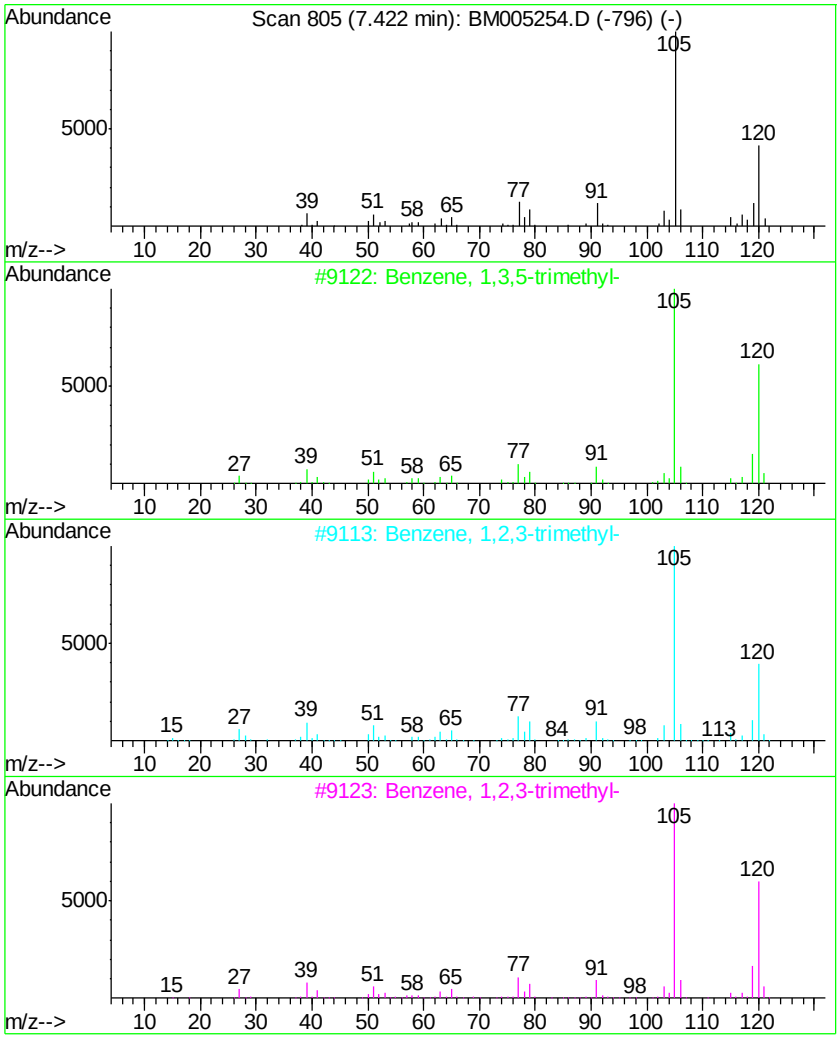
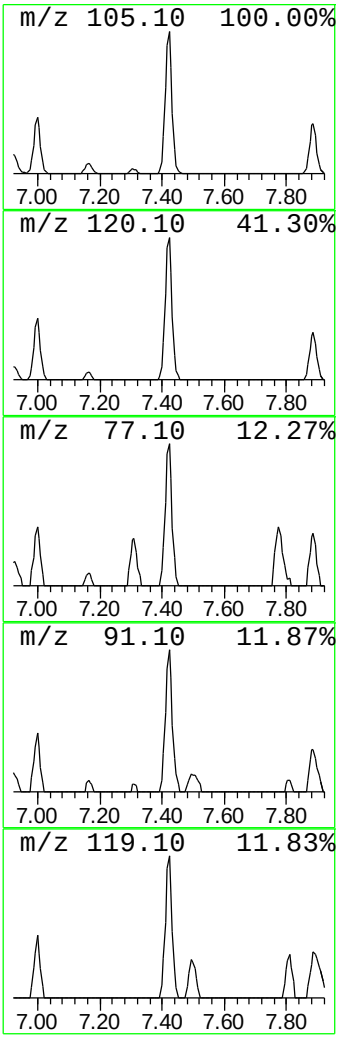
Peak Number 2 Benzene, 1,3,5-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.42	7.75 ng/ul	251254	1,4-Dichlorobenzene-d4	7.77

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





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Operator : UM/SJ
Sample : H2813-11
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7T1

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

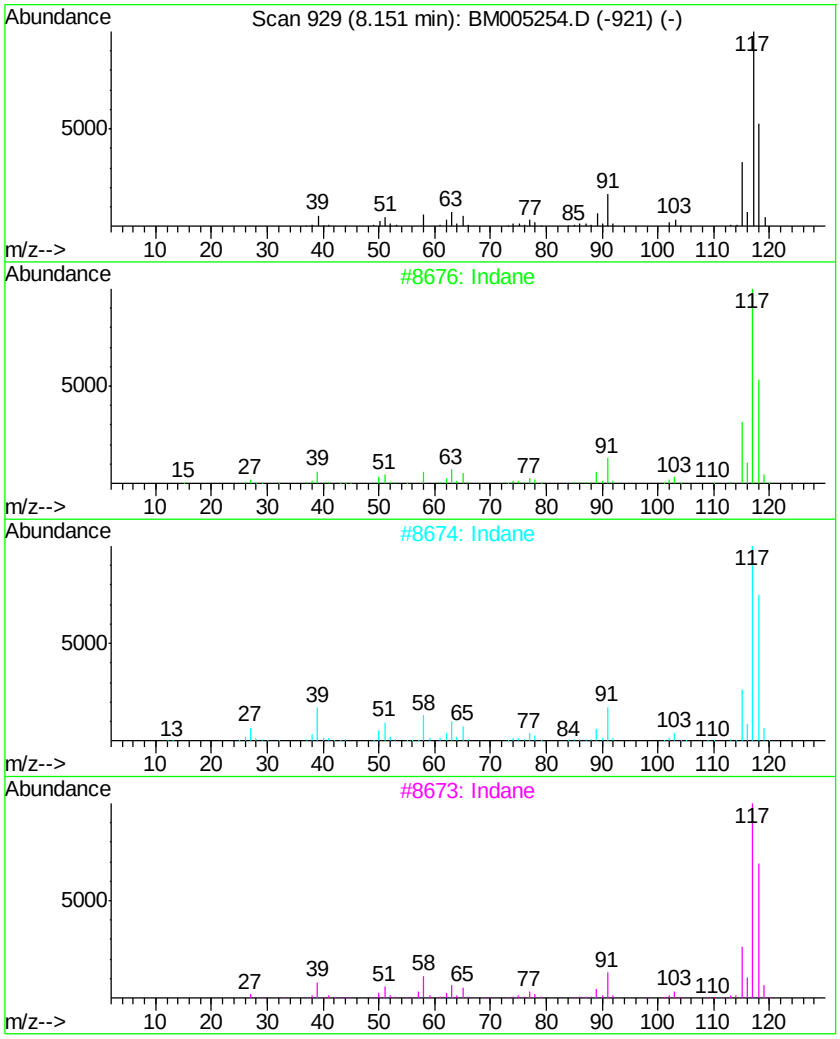
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

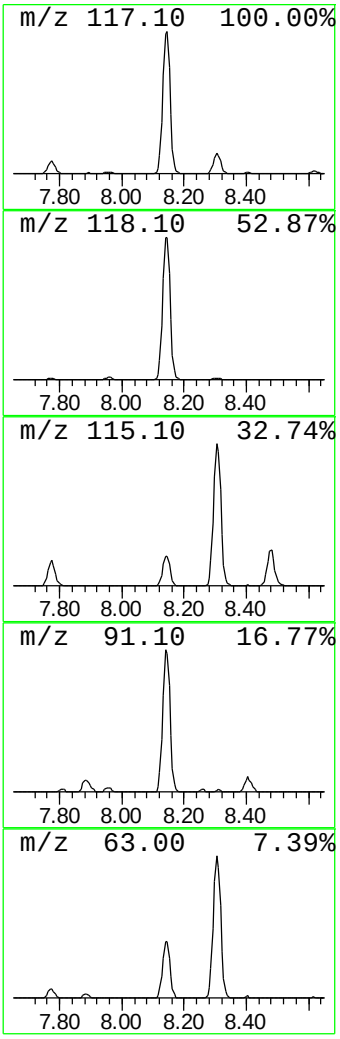
****

Peak Number 3 Indane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.15	21.76 ng/ul	705360	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	Indane	118	C9H10	000496-11-7	83
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	80
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\
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Sample : H2813-11
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7T1

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

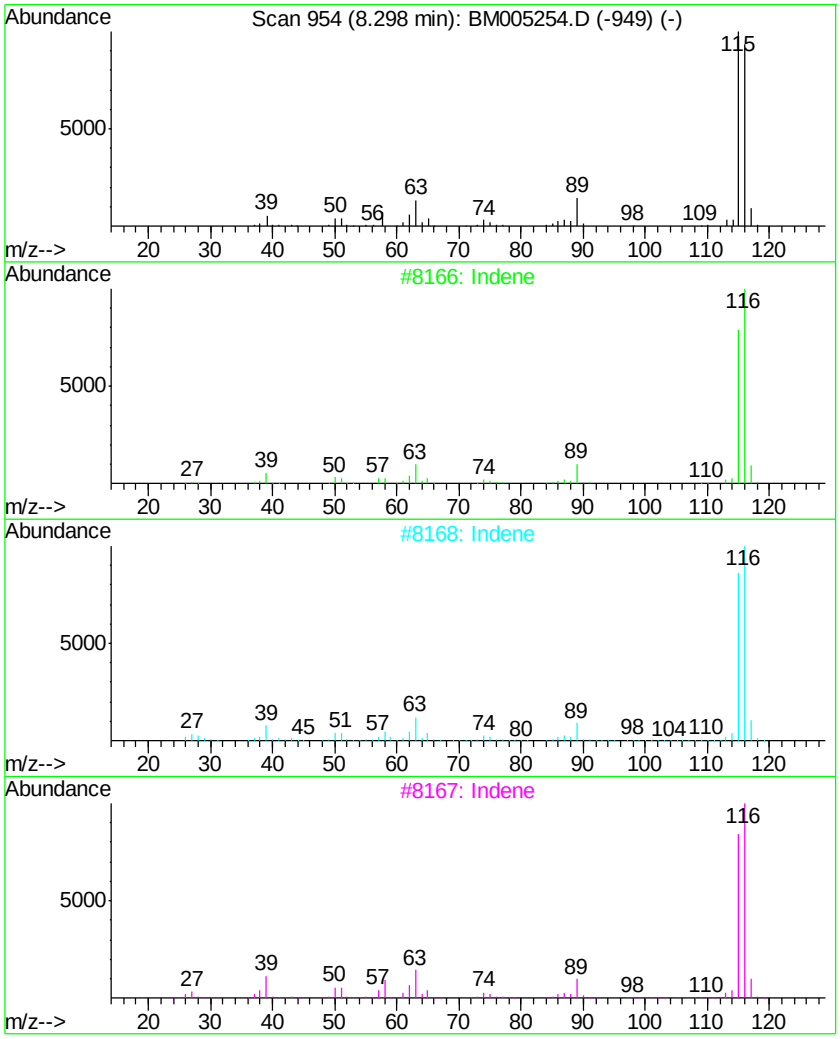
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

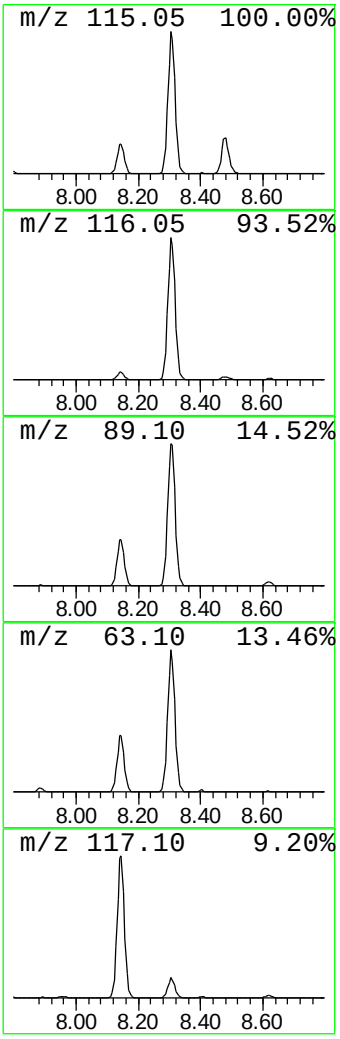
****

Peak Number 4 Indene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.30	34.42 ng/ul	1115880	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-propynyl-	116	C9H8	000673-32-5	94
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





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Instrument : BNA_M
ClientSampleId : BC7T1

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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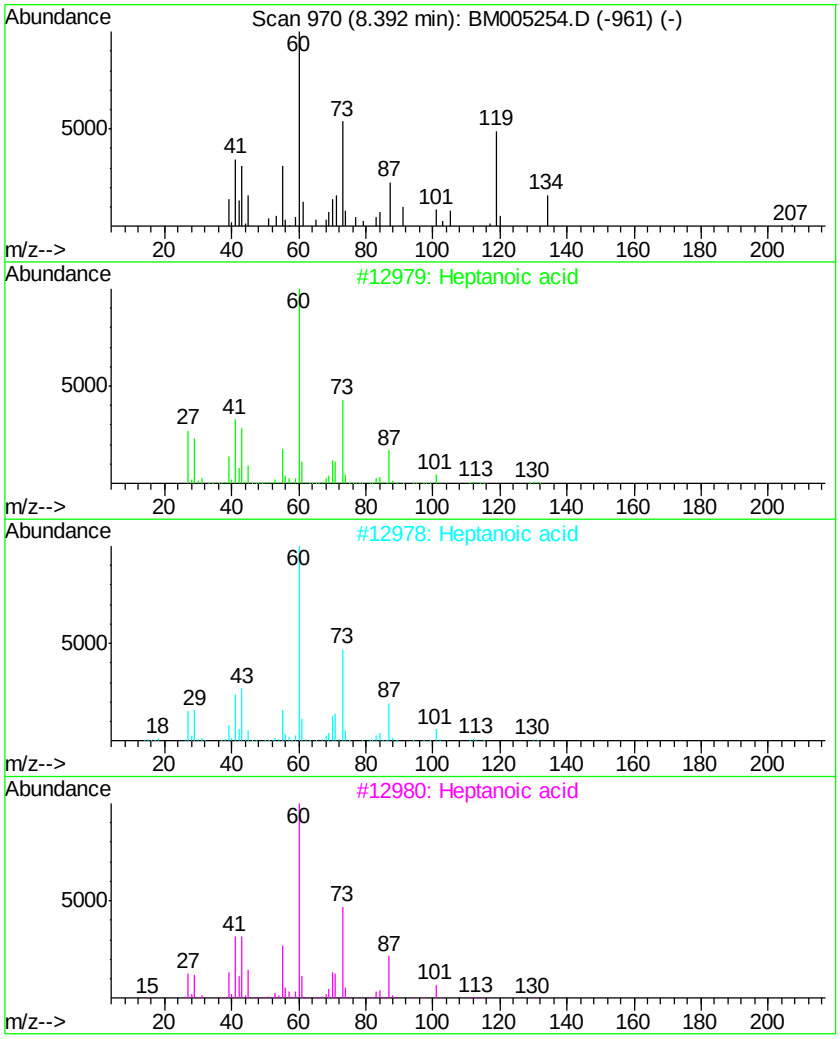
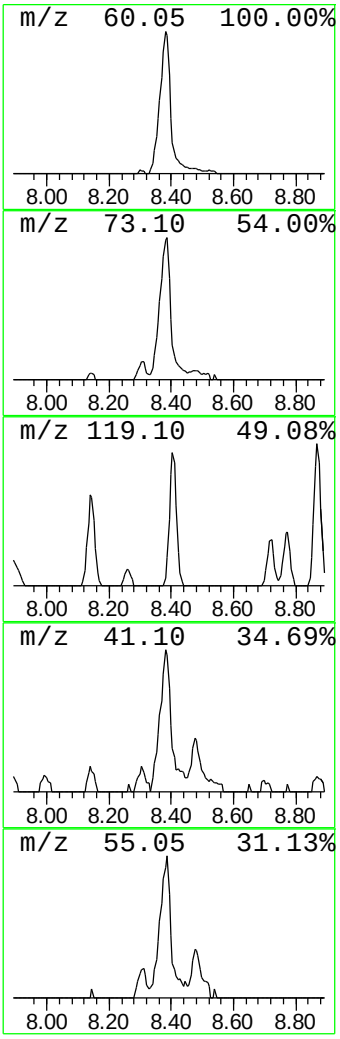
Peak Number 5 Heptanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.39	6.61 ng/ul	214426	1,4-Dichlorobenzene-d4	7.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanoic acid	130	C7H14O2	000111-14-8	86
2	Heptanoic acid	130	C7H14O2	000111-14-8	86
3	Heptanoic acid	130	C7H14O2	000111-14-8	86
4	Heptanoic acid	130	C7H14O2	000111-14-8	78
5	Butanoic acid, 3-methyl-	102	C5H10O2	000503-74-2	50





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

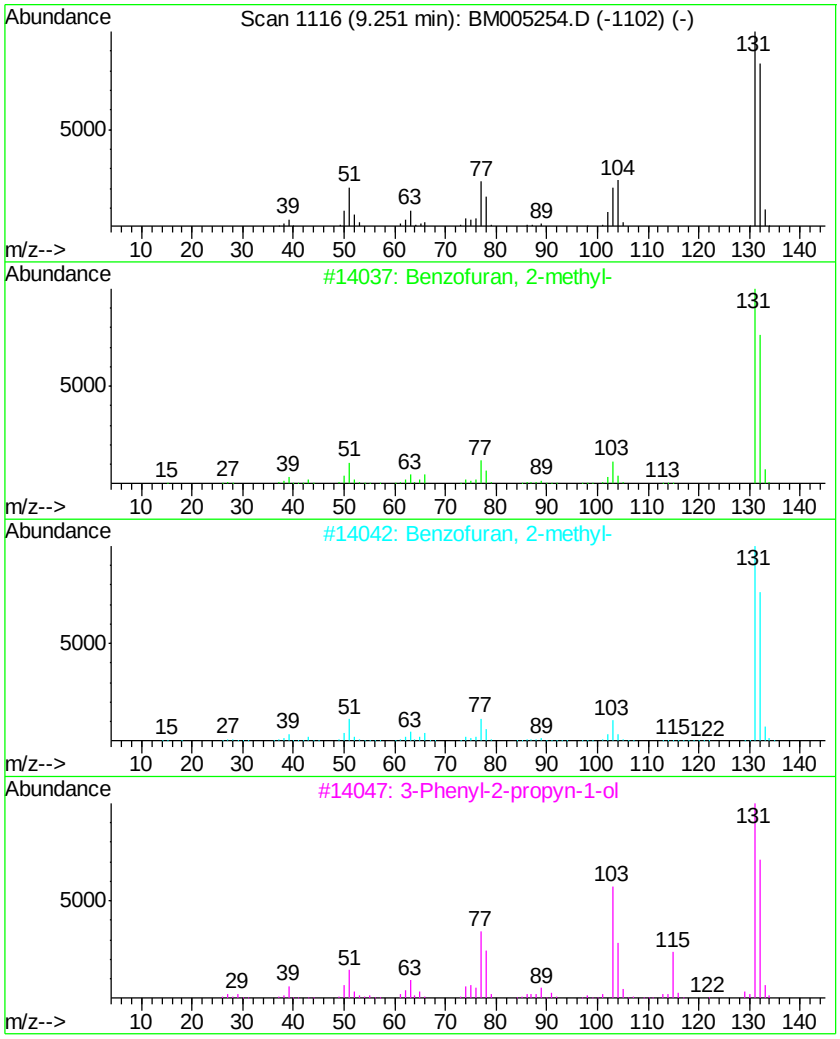
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

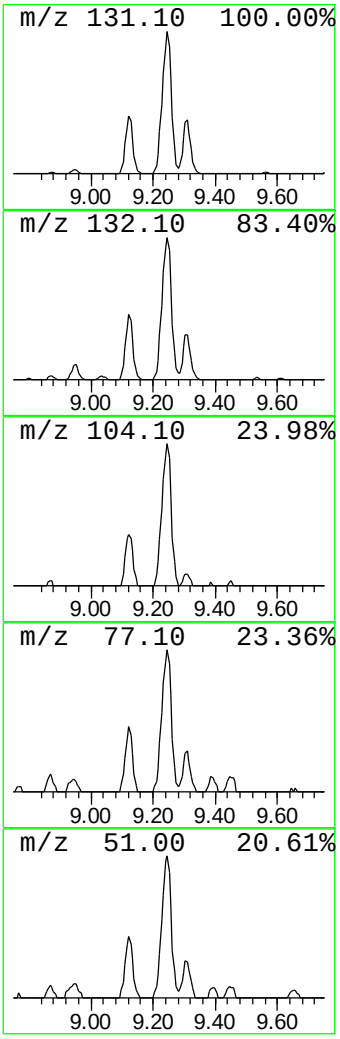
****

Peak Number 6 Benzofuran, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.25	8.81 ng/ul	374143	Naphthalene-d8	10.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	94
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	91
5	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	90





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Acq On : 06 May 2016 02:58
Operator : UM/SJ
Sample : H2813-11
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7T1

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

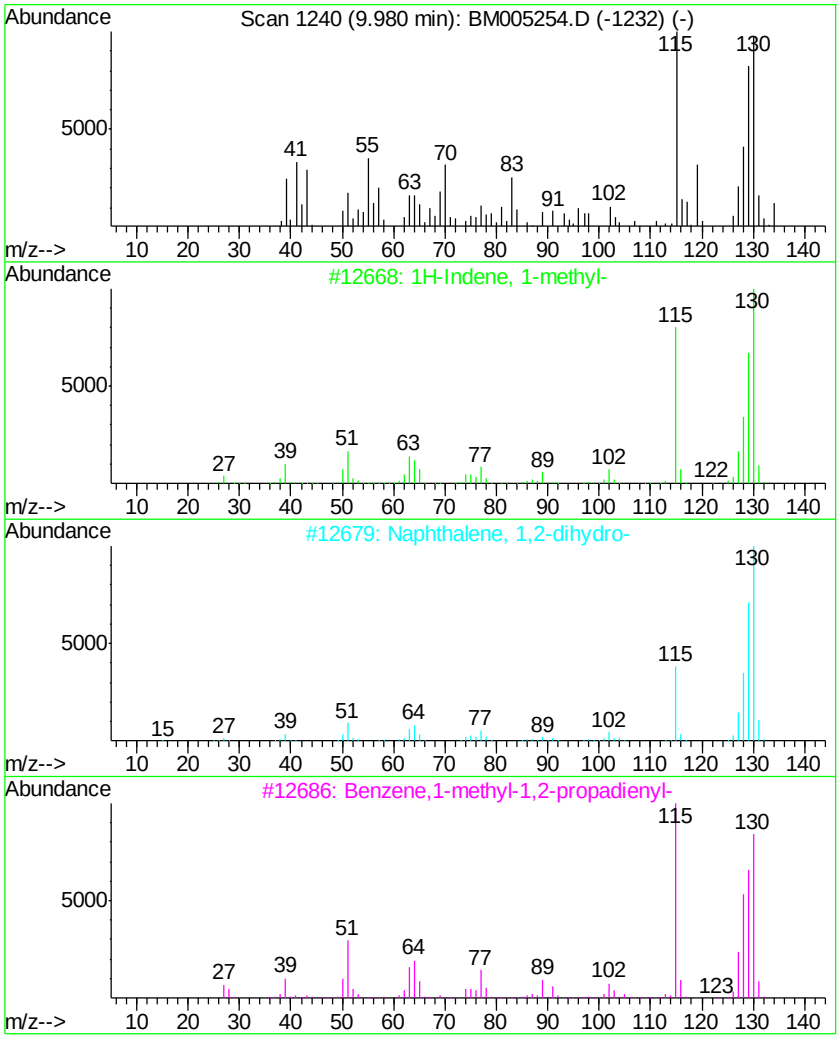
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

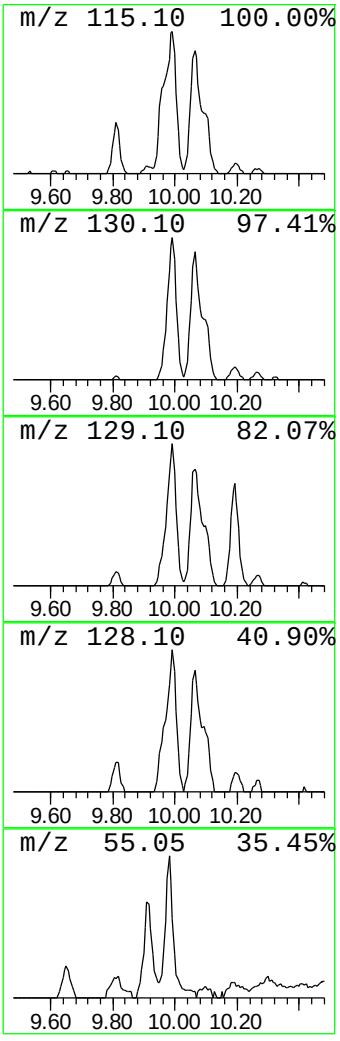
****

Peak Number 7 1H-Indene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.98	12.89 ng/ul	547100	Naphthalene-d8	10.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
2	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	93
3	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	93
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	93
5	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
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Misc :
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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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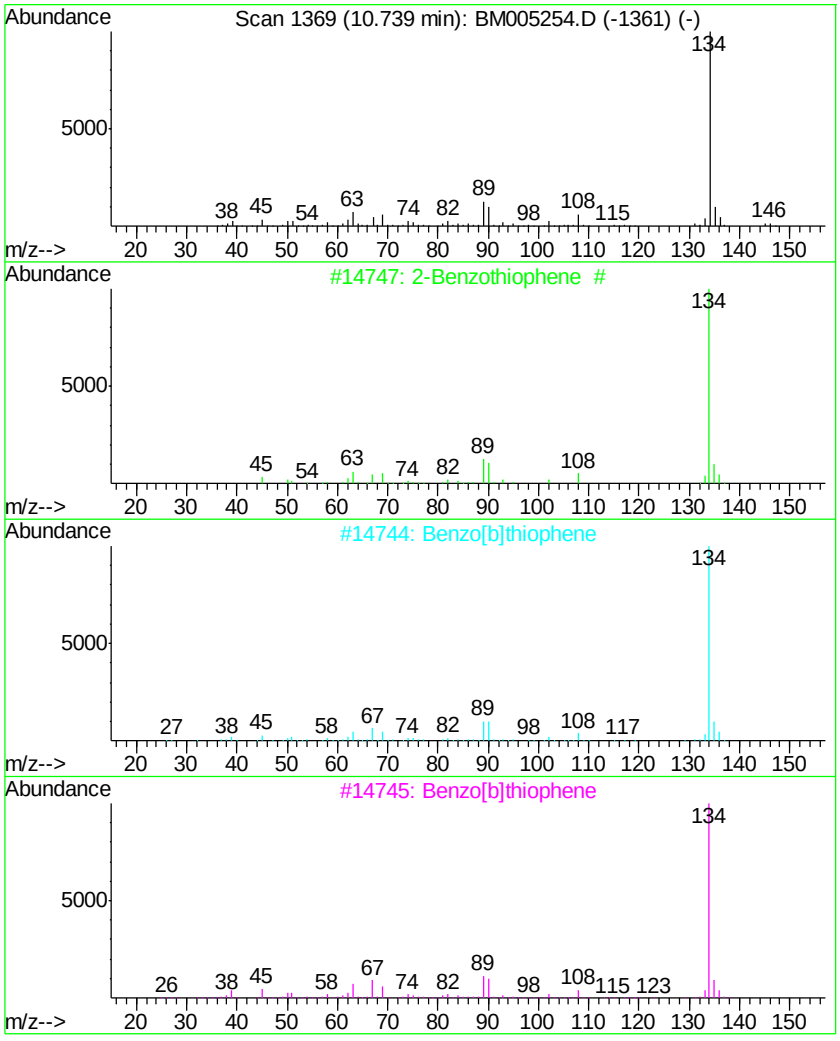
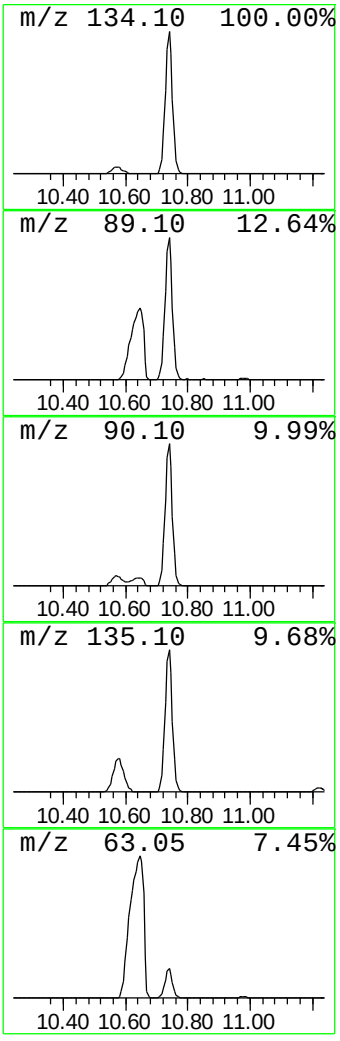
Peak Number 8 2-Benzothiophene # Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.74	38.49 ng/ul	1633950	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	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	90
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	90





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Sample : H2813-11
Misc :
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ClientSampleId : BC7T1

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Quant Title : SVOA CALIBRATION

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

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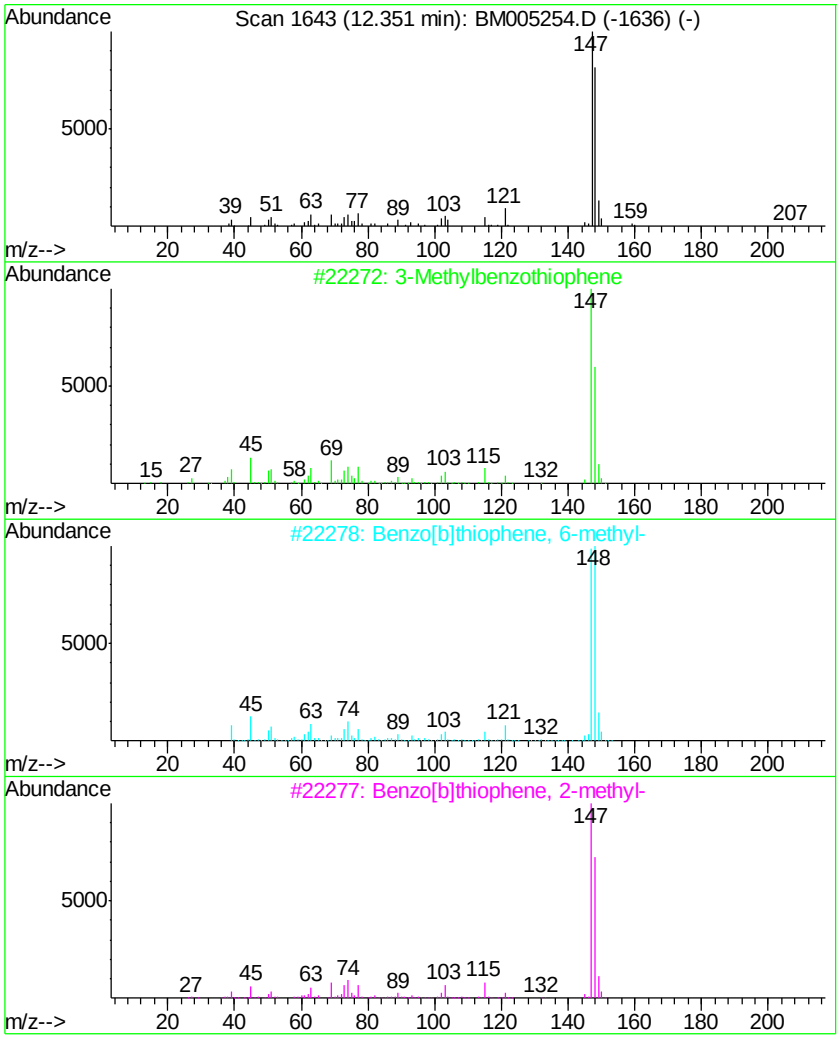
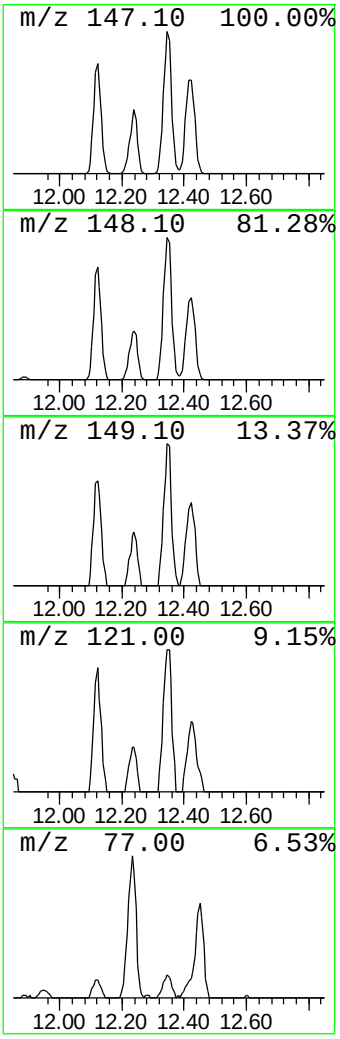
Peak Number 9 3-Methylbenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	5.52 ng/ul	234168	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, 6-methyl-	148	C9H8S	016587-47-6	91
3	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91
4	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	91
5	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91





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Sample : H2813-11
Misc :
ALS Vial : 26 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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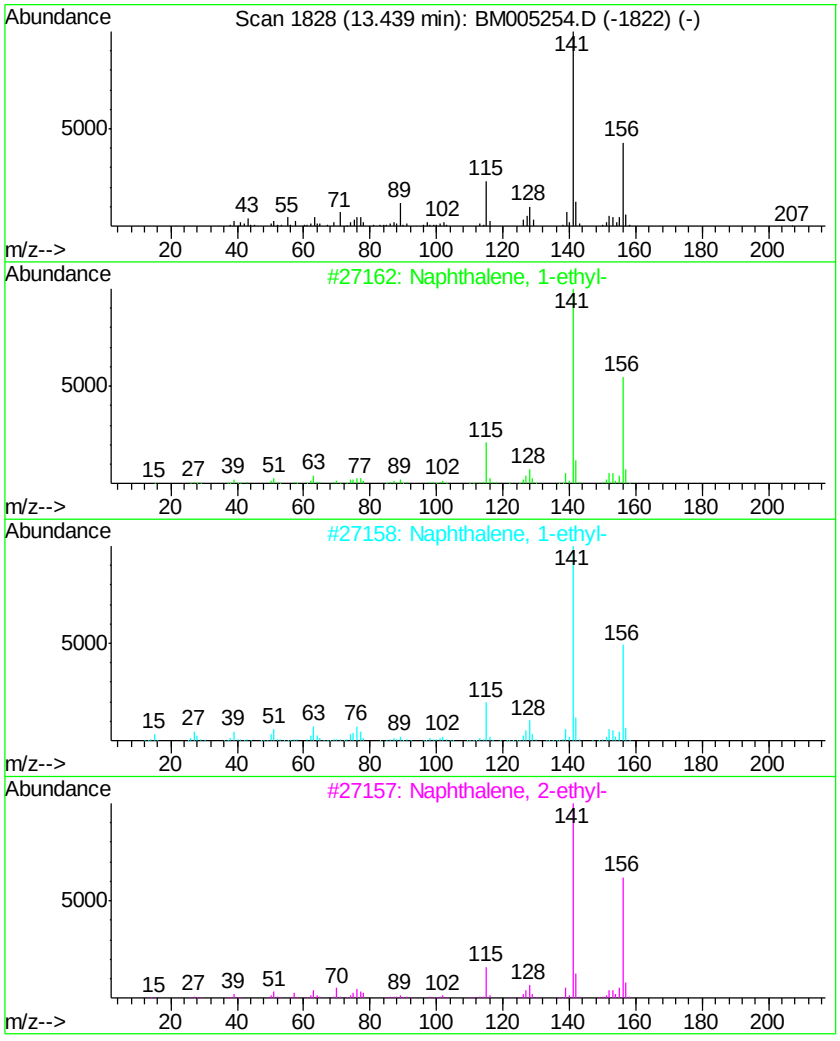
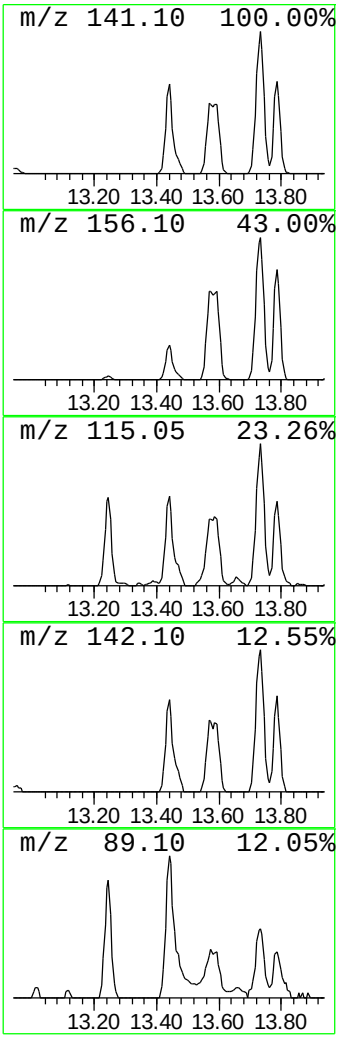
Peak Number 11 Naphthalene, 1-ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.44	4.96 ng/ul	449941	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	94
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	93





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Quant Title : SVOA CALIBRATION

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

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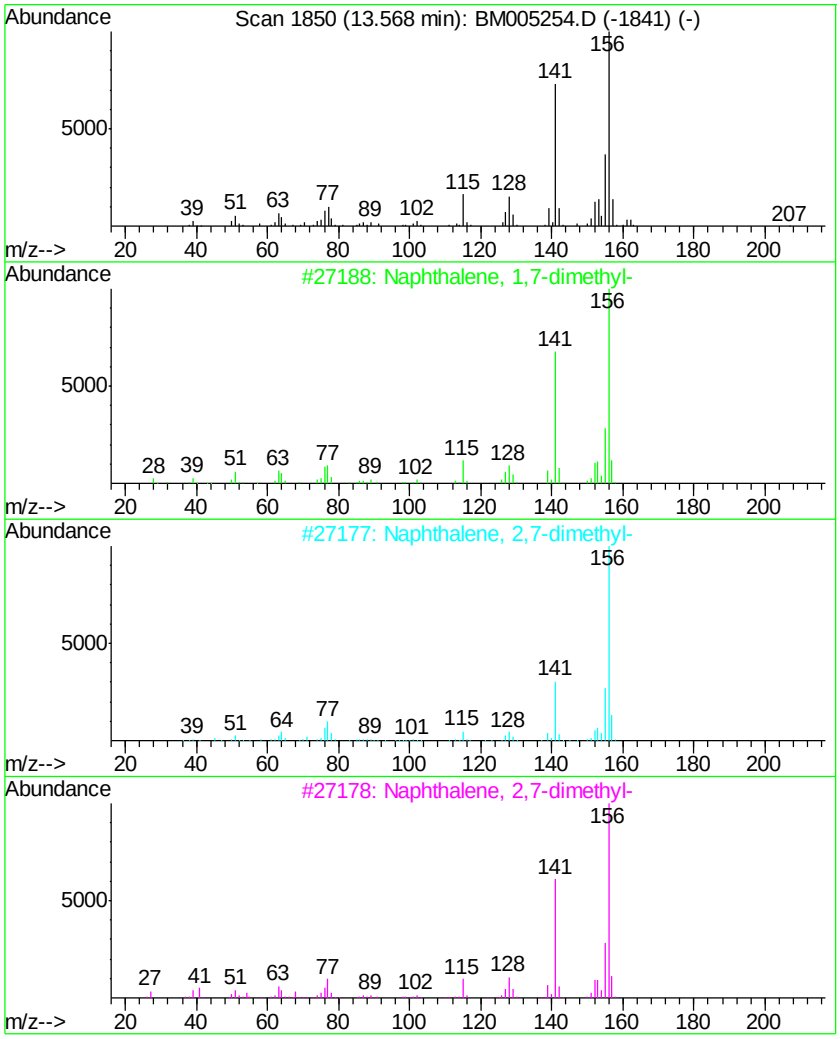
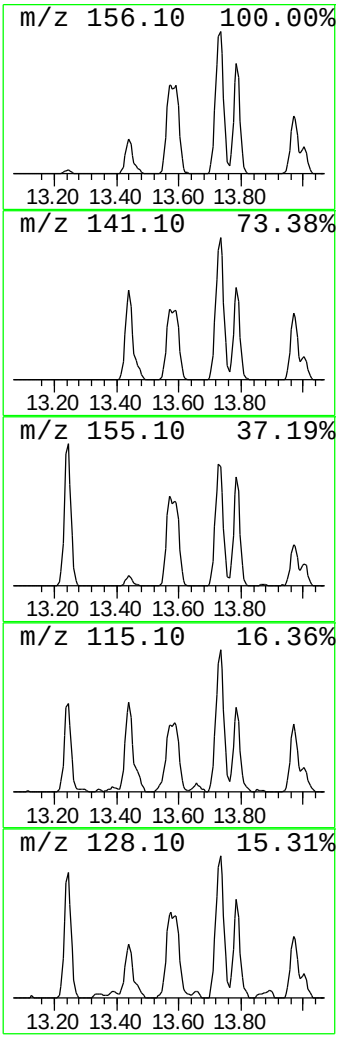
Peak Number 12 Naphthalene, 1,7-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.57	5.67 ng/ul	514599	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





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ClientSampleId : BC7T1

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Quant Title : SVOA CALIBRATION

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

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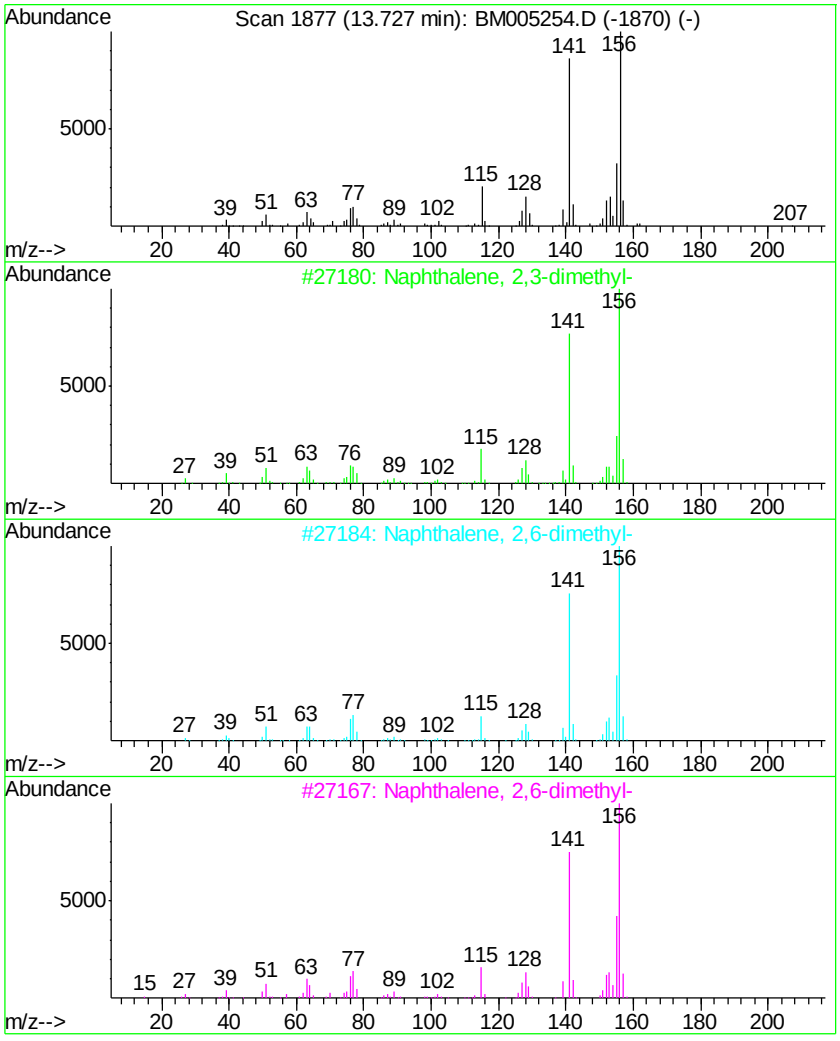
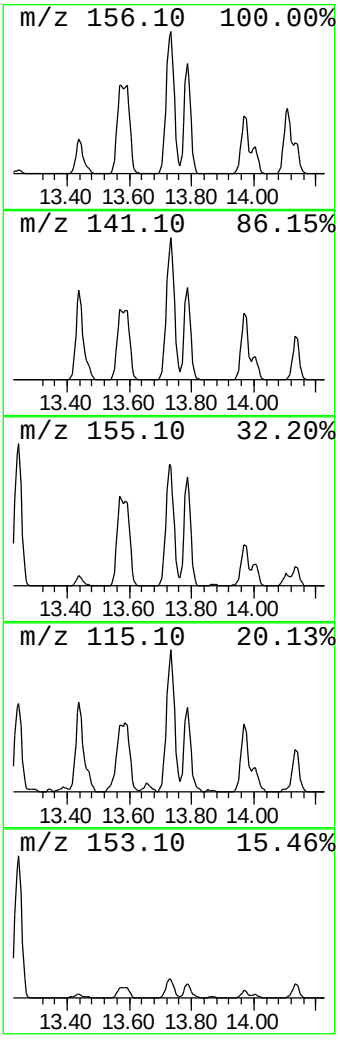
Peak Number 13 Naphthalene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	11.12 ng/ul	1009370	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, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





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Quant Title : SVOA CALIBRATION

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

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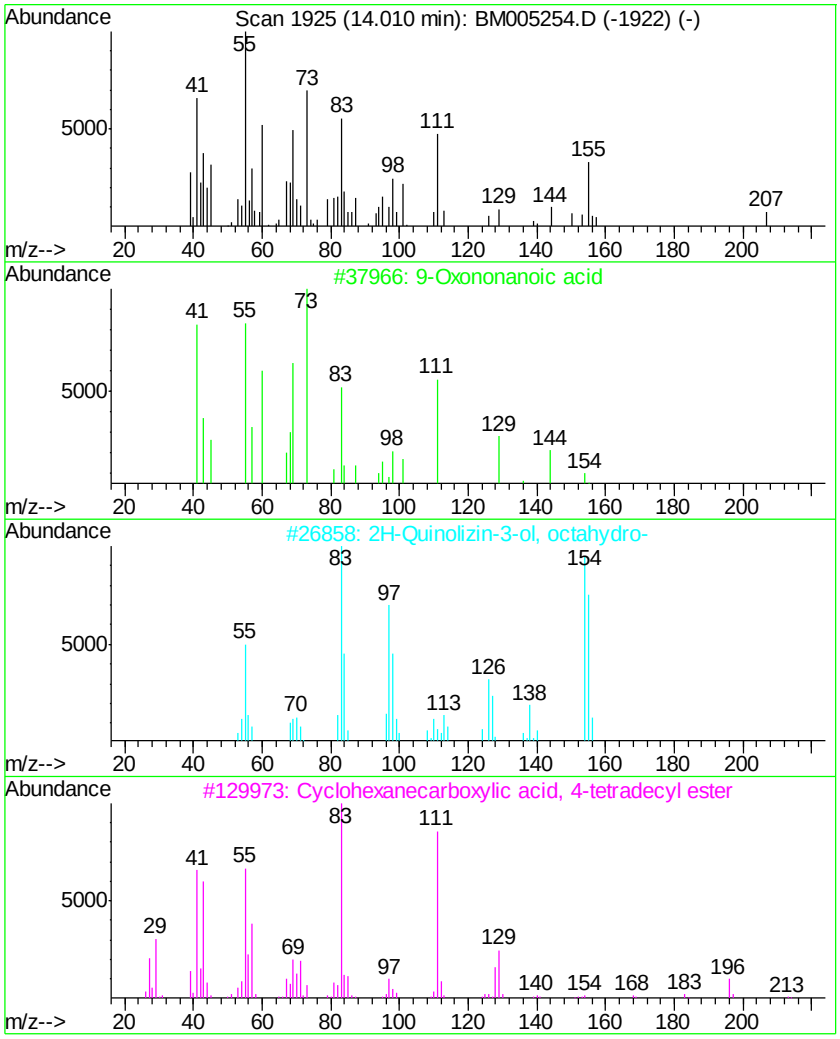
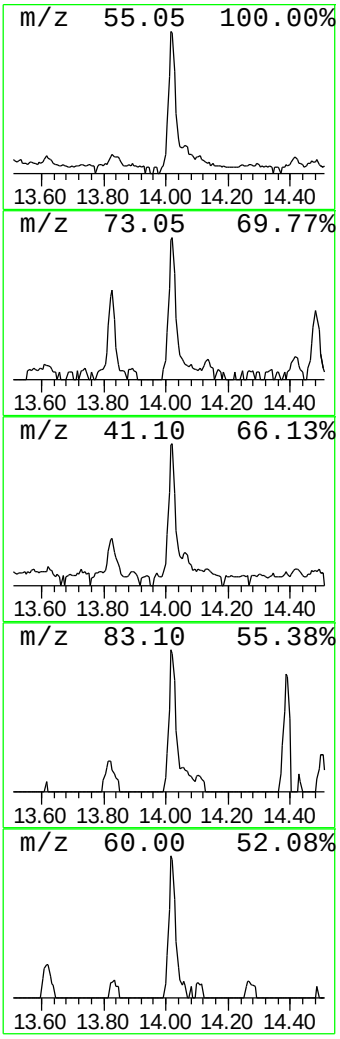
Peak Number 15 9-Oxononanoic acid Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	2.47 ng/ul	223784	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Oxononanoic acid	172	C9H16O3	002553-17-5	64
2	2H-Quinolizin-3-ol, octahydro-	155	C9H17NO	054308-61-1	30
3	Cyclohexanecarboxylic acid, 4-te...	324	C21H40O2	1000280-59-8	27
4	Cyclobutanecarboxylic acid, 2-te...	296	C19H36O2	1000280-57-8	22
5	2-Butenal, 2-ethyl-	98	C6H10O	019780-25-7	18





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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 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	6.04 ng/ul	548235	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	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
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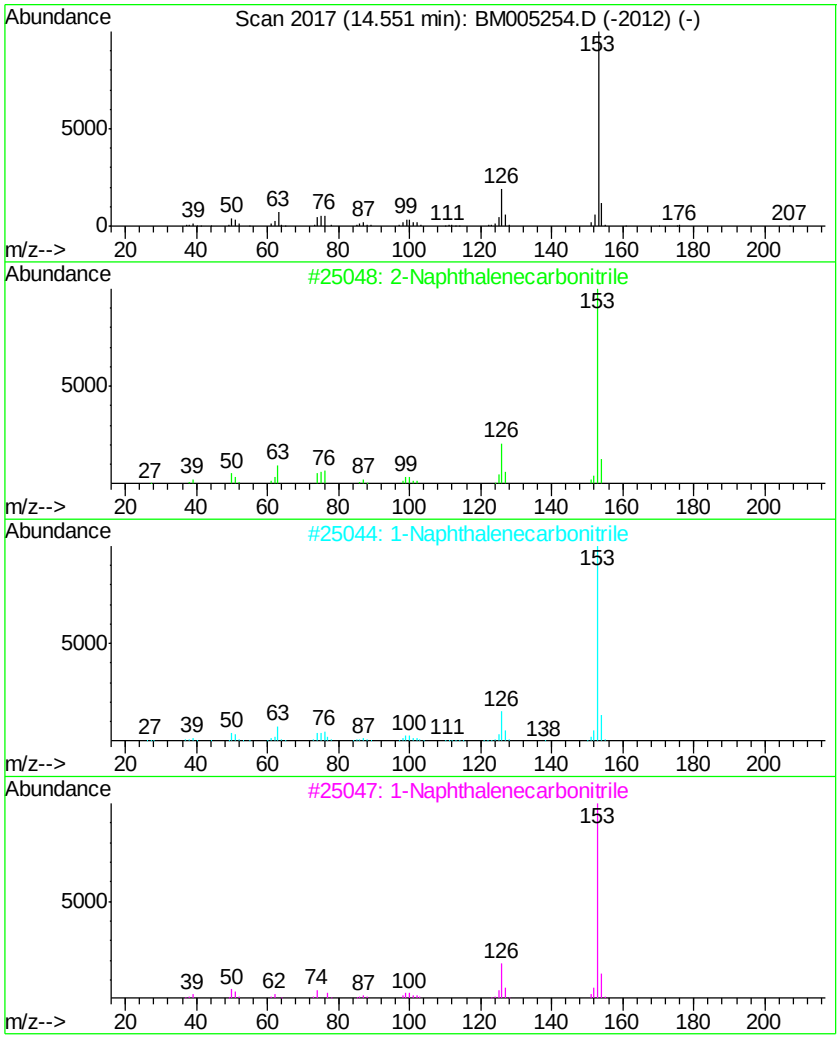

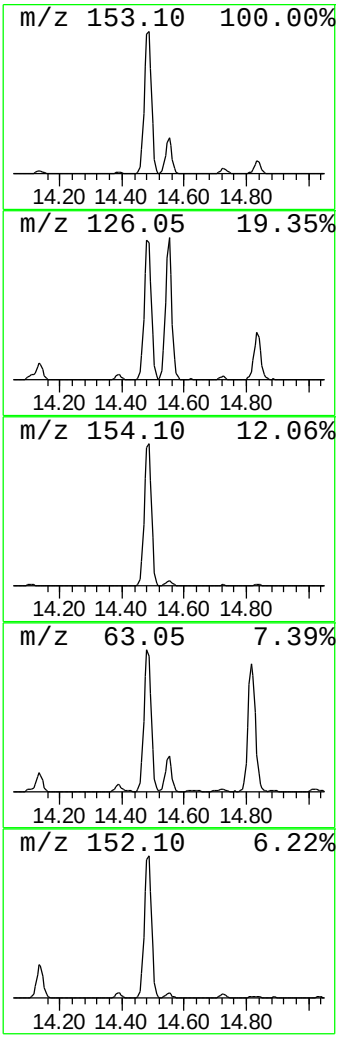

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Misc :
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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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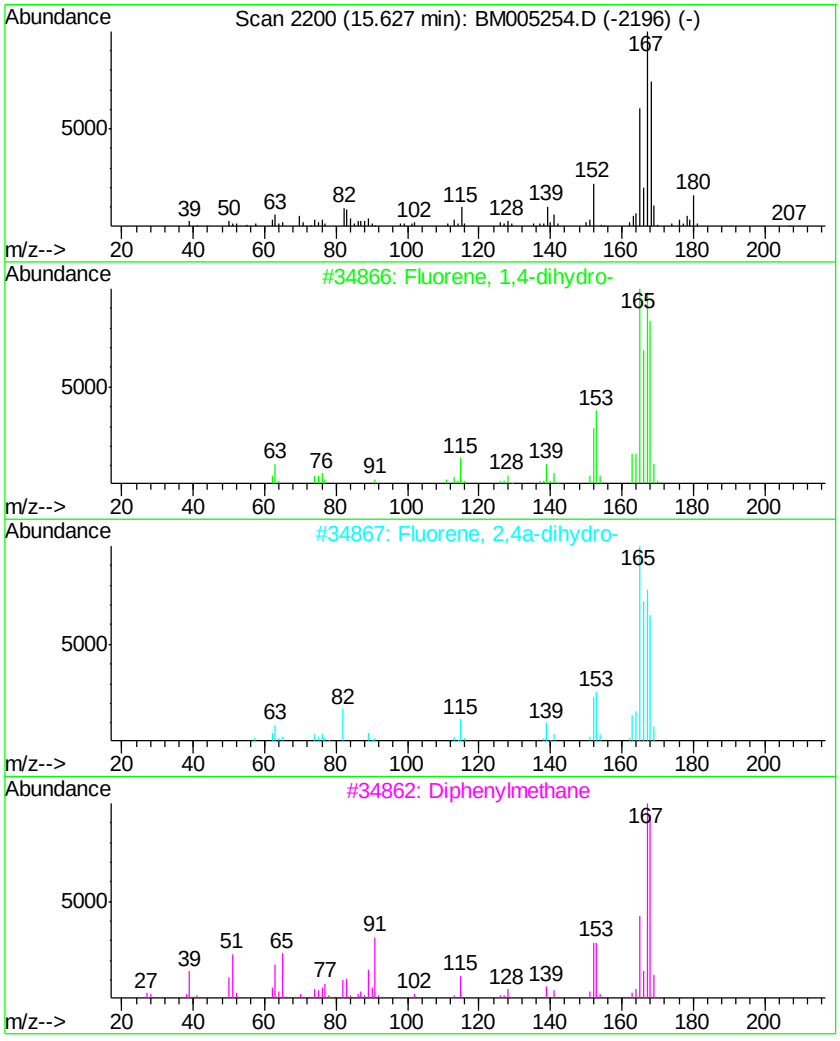
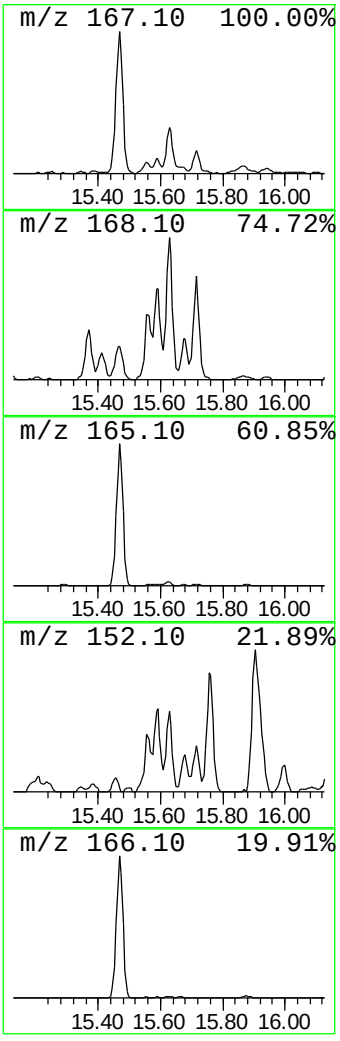
Peak Number 17 Fluorene, 1,4-dihydro- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.63	2.07 ng/ul	188031	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	55
2	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	55
3	Diphenylmethane	168	C13H12	000101-81-5	53
4	Nordiphenamid	225	C15H15NO	000954-21-2	50
5	Benzene, 1,1'-(bromomethylene)bis-	246	C13H11Br	000776-74-9	50





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Quant Title : SVOA CALIBRATION

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

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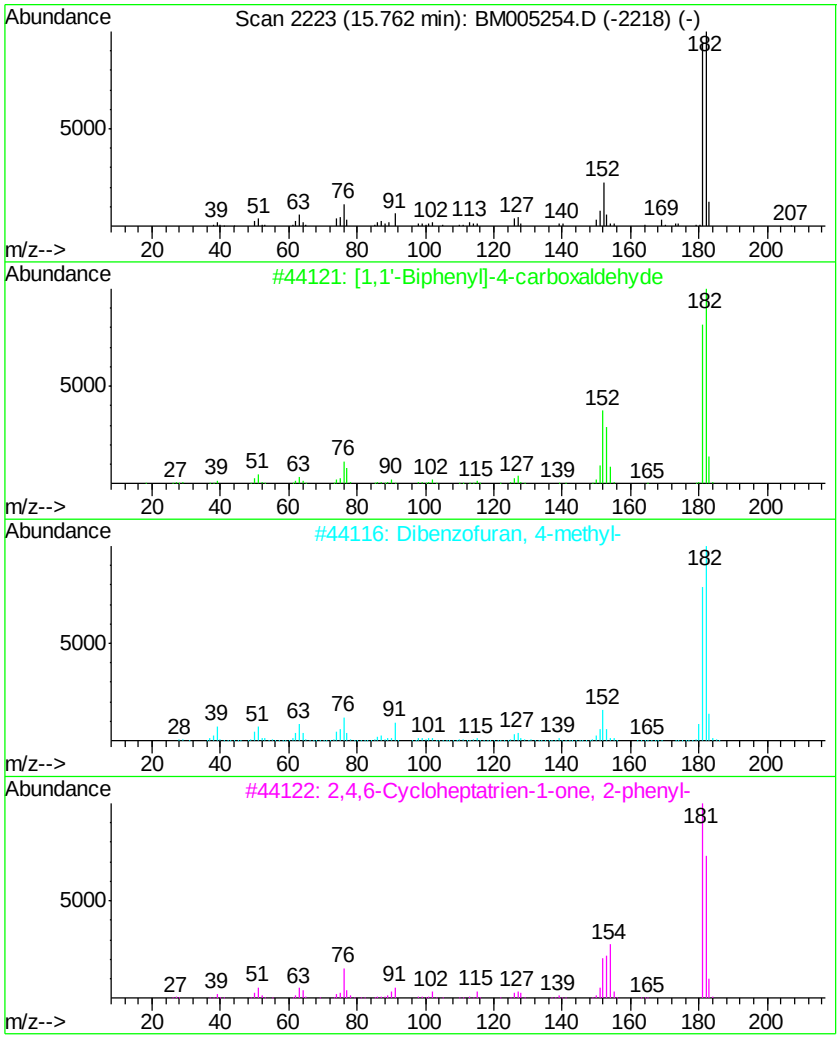
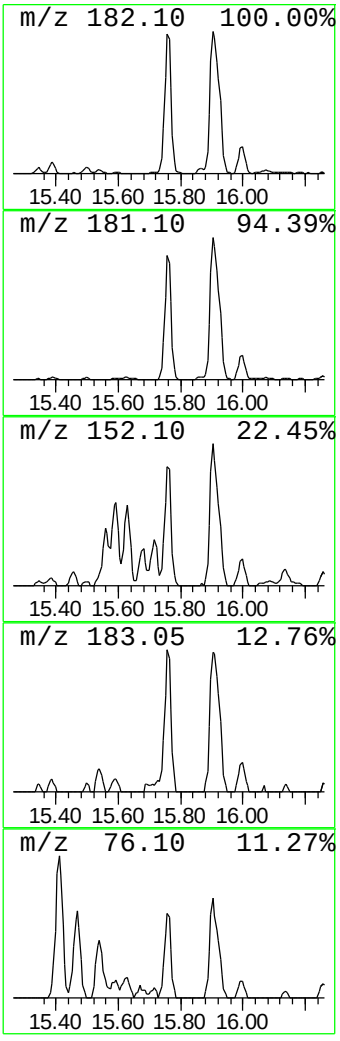
Peak Number 18 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.76	3.37 ng/ul	305581	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	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
4	9H-Xanthene	182	C13H10O	000092-83-1	64
5	2,3-Dihydro-1-oxo-1H-phenalene	182	C13H10O	000518-85-4	58





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Quant Title : SVOA CALIBRATION

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

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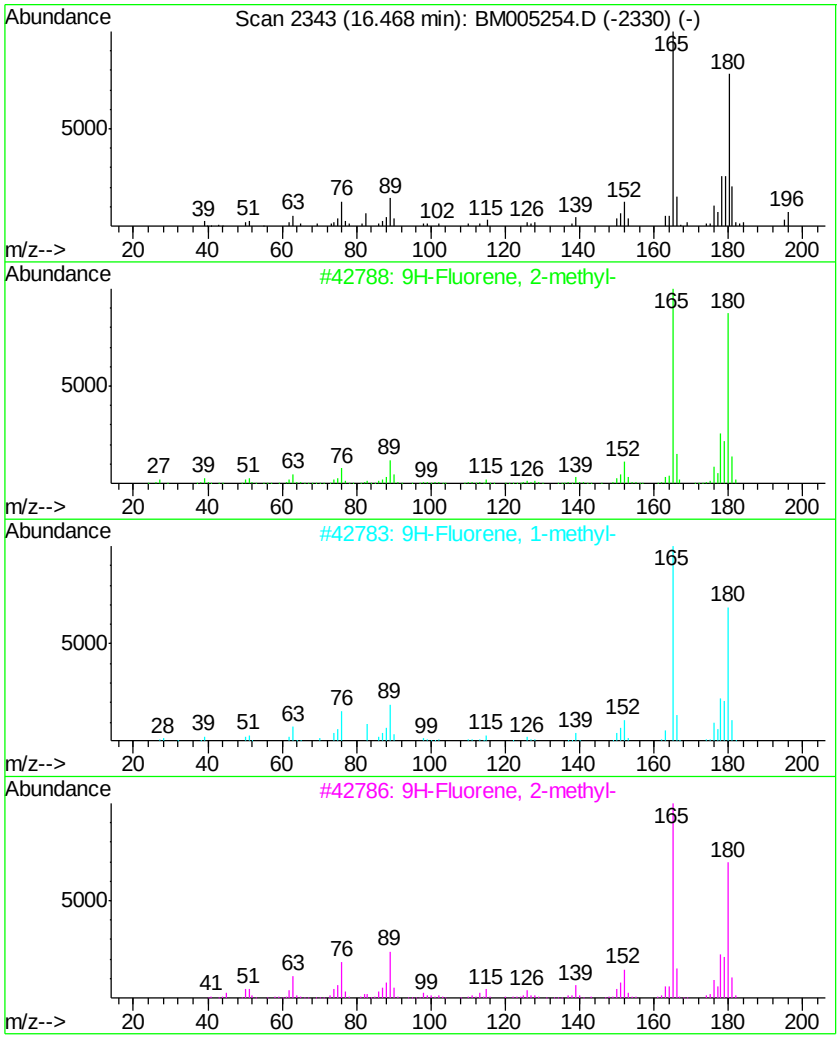
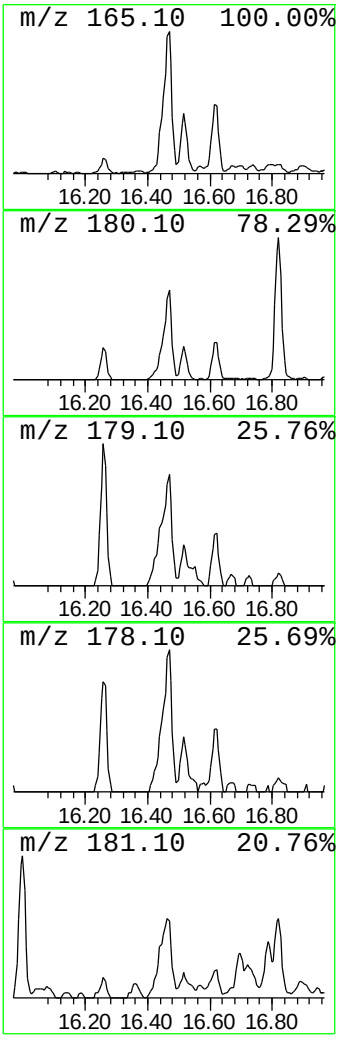
Peak Number 20 9H-Fluorene, 2-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.47	3.02 ng/ul	302220	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, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	91





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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 Naphtho[2,3-b]thiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.98	5.47 ng/ul	548011	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	96
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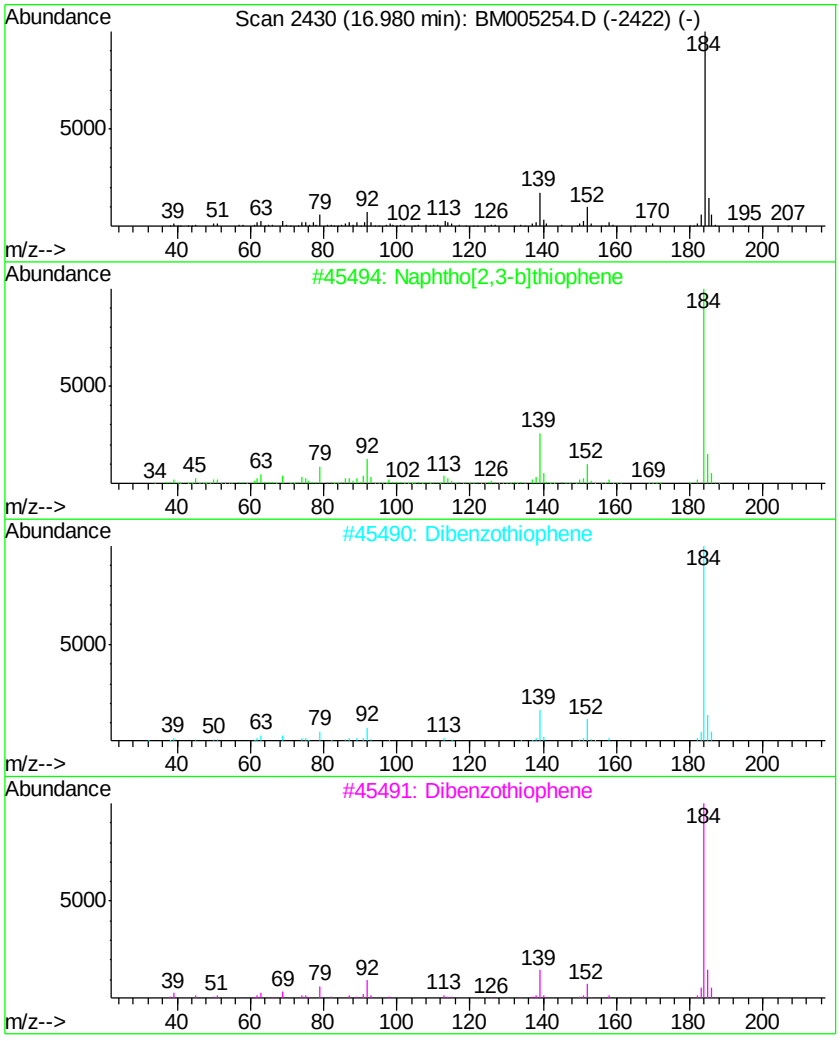

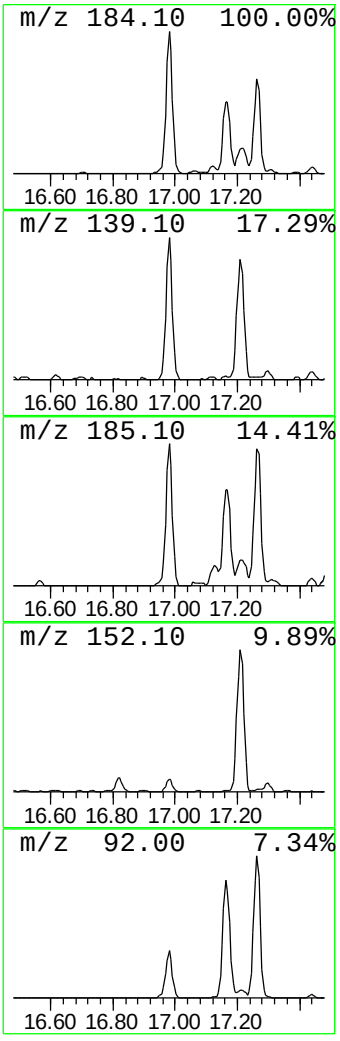

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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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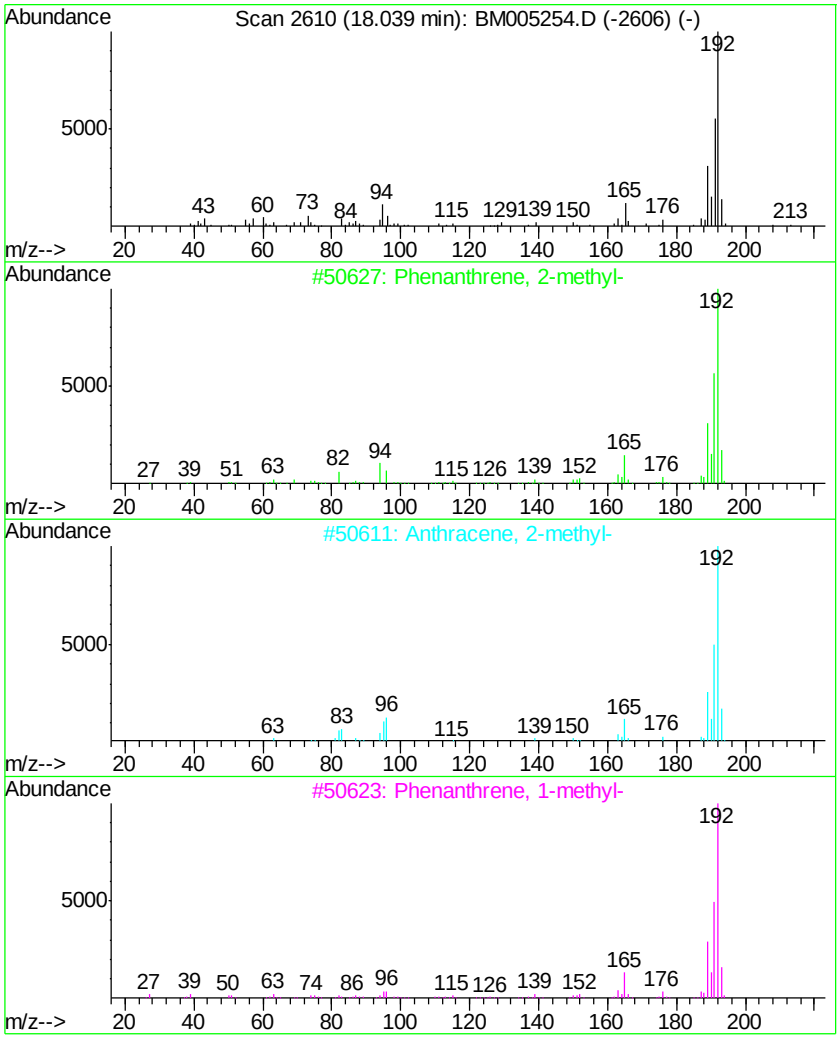
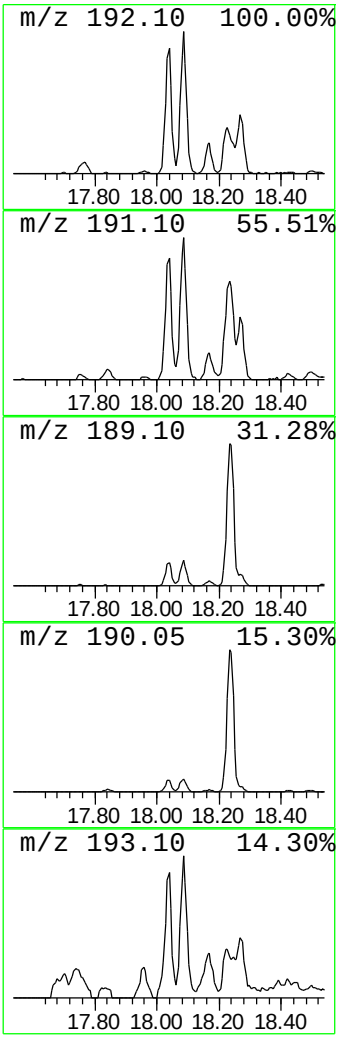
Peak Number 22 Phenanthrene, 2-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	2.15 ng/ul	215199	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





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ClientSampleId : BC7T1

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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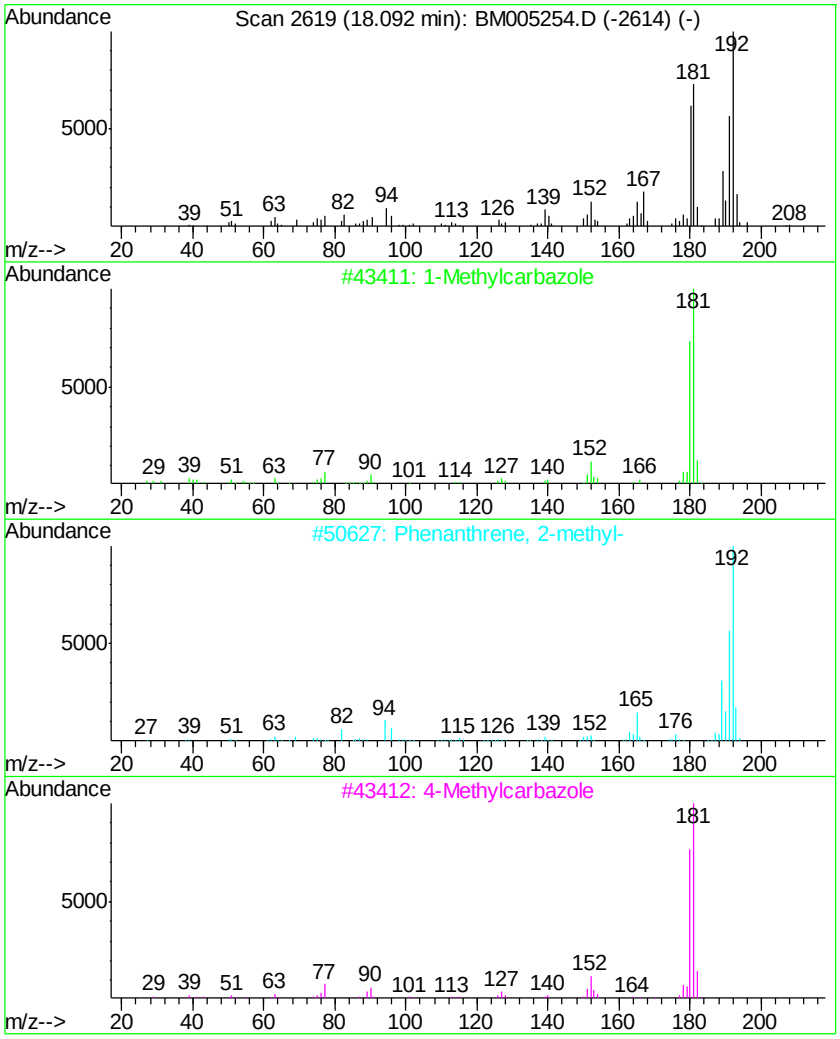
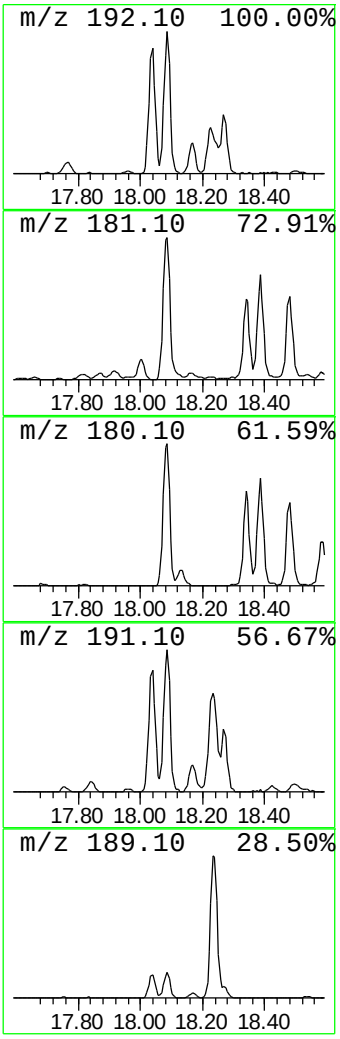
Peak Number 23 1-Methylcarbazole Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	3.83 ng/ul	384279	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methylcarbazole	181	C13H11N	006510-65-2	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89
3	4-Methylcarbazole	181	C13H11N	003770-48-7	86
4	3-Methylcarbazole	181	C13H11N	004630-20-0	86
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	84





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005254.D
Acq On : 06 May 2016 02:58
Operator : UM/SJ
Sample : H2813-11
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7T1

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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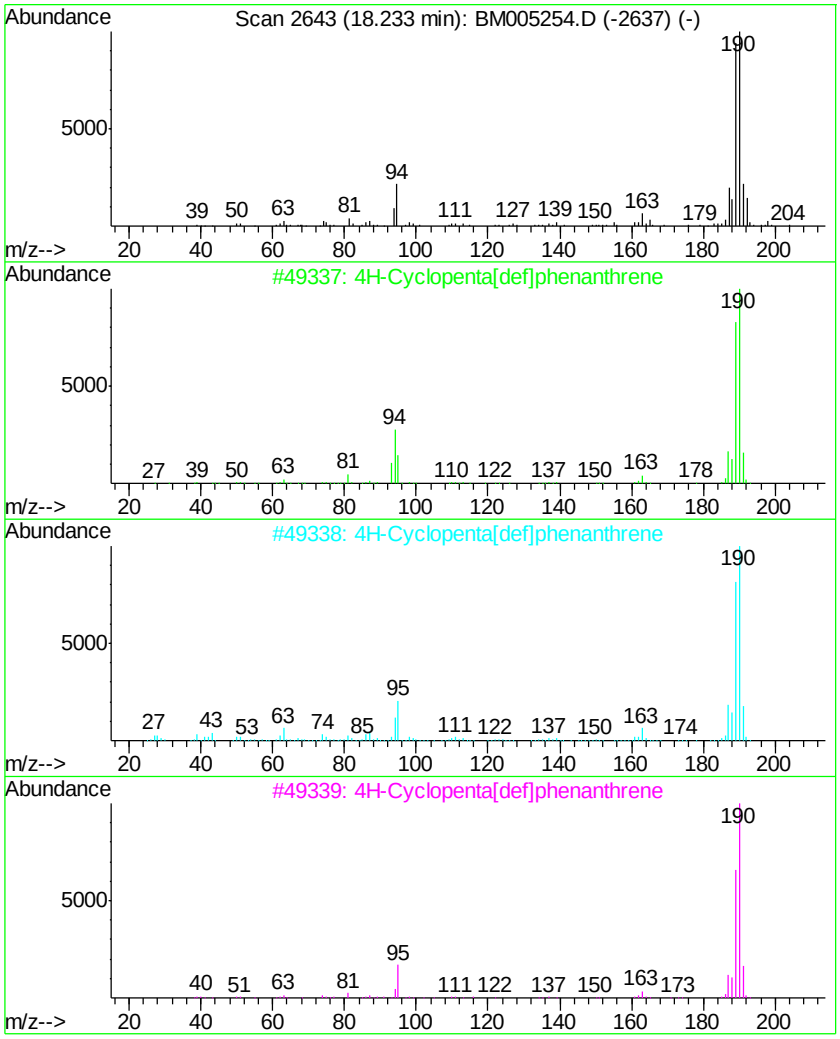
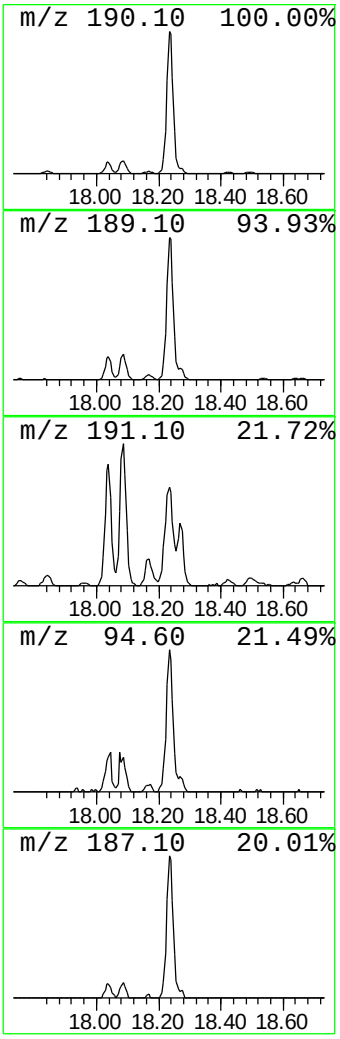
Peak Number 24 4H-Cyclopenta[def]phenanthrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	4.88 ng/ul	489537	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	97
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	56
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005254.D
Acq On : 06 May 2016 02:58
Operator : UM/SJ
Sample : H2813-11
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7T1

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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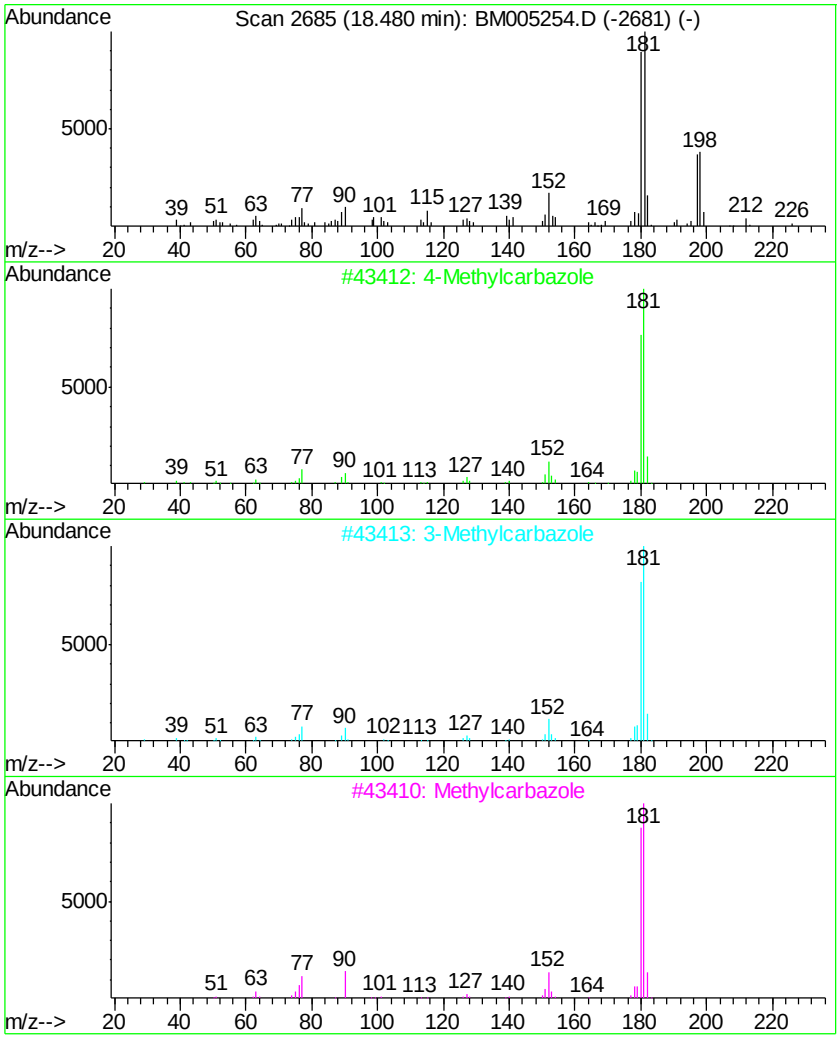
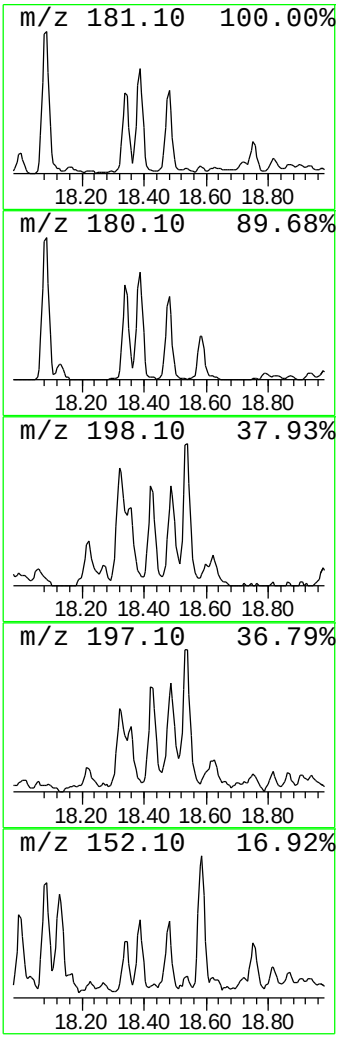
Peak Number 25 4-Methylcarbazole Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	2.06 ng/ul	206041	Phenanthrene-d10	17.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylcarbazole	181	C13H11N	003770-48-7	97
2	3-Methylcarbazole	181	C13H11N	004630-20-0	94
3	Methylcarbazole	181	C13H11N	027323-29-1	94
4	1-Methylcarbazole	181	C13H11N	006510-65-2	93
5	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	93





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005254.D
Acq On : 06 May 2016 02:58
Operator : UM/SJ
Sample : H2813-11
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7T1

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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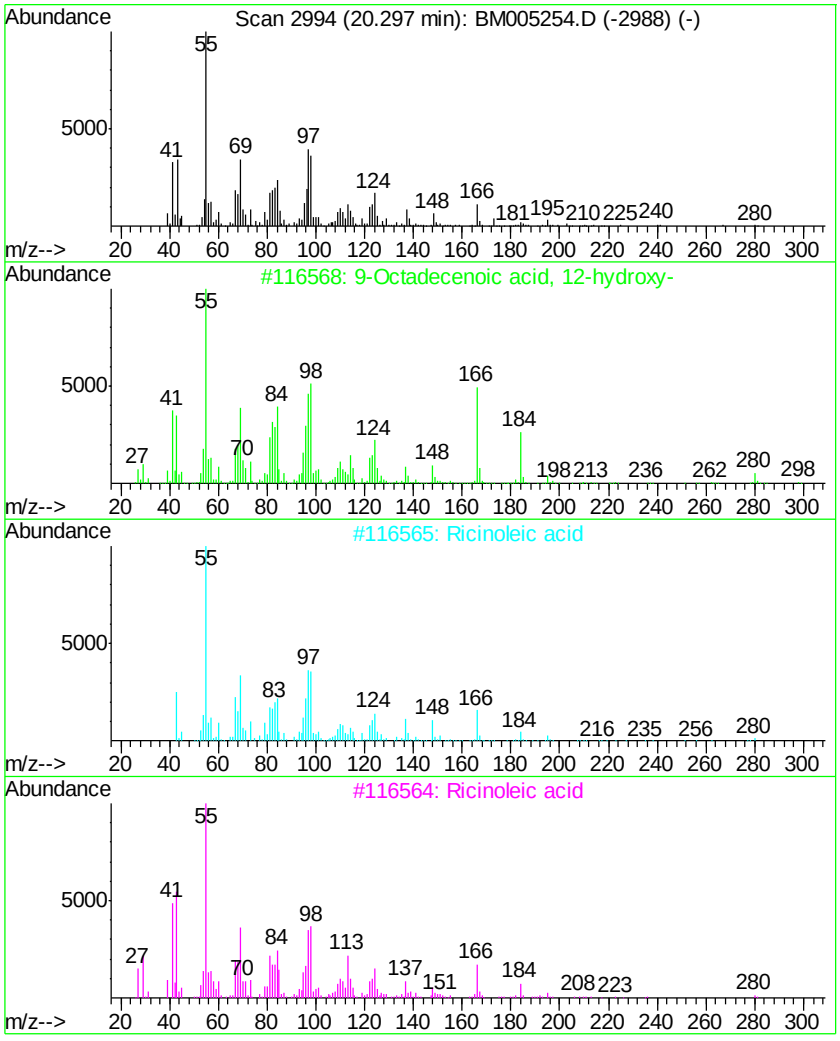
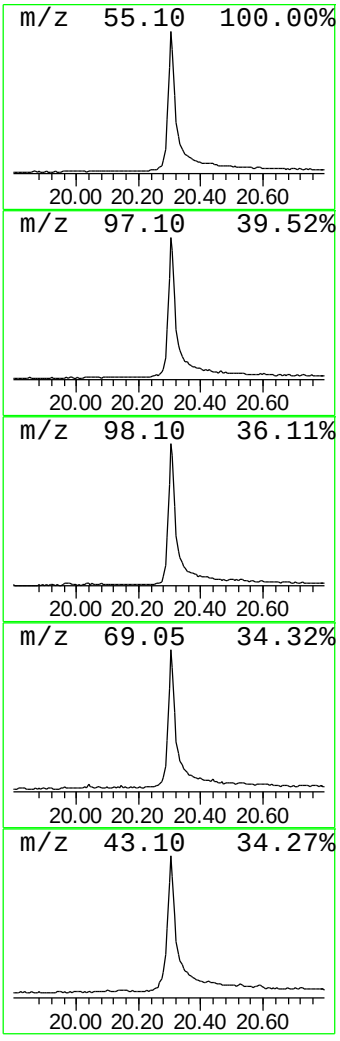
Peak Number 26 9-Octadecenoic acid, 12-hyd... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.30	11.58 ng/ul	1474340	Chrysene-d12	21.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid, 12-hydroxy-	298	C18H34O3	007431-95-0	87
2	Ricinoleic acid	298	C18H34O3	000141-22-0	87
3	Ricinoleic acid	298	C18H34O3	000141-22-0	80
4	Ricinoleic acid	298	C18H34O3	000141-22-0	72
5	Methyl ricinoleate	312	C19H36O3	000141-24-2	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050516\
Data File : BM005254.D
Acq On : 06 May 2016 02:58
Operator : UM/SJ
Sample : H2813-11
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC7T1

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	7.4	ng/ul	238910	1	7.77	648407	20.0
Benzene, 1,3,5-tr...	7.42	7.8	ng/ul	251254	1	7.77	648407	20.0
Indane	8.15	21.8	ng/ul	705360	1	7.77	648407	20.0
Indene	8.30	34.4	ng/ul	1115880	1	7.77	648407	20.0
Heptanoic acid	8.39	6.6	ng/ul	214426	1	7.77	648407	20.0
Benzofuran, 2-met...	9.25	8.8	ng/ul	374143	2	10.57	848980	20.0
1H-Indene, 1-methyl-	9.98	12.9	ng/ul	547100	2	10.57	848980	20.0
2-Benzothiophene #	10.74	38.5	ng/ul	1633950	2	10.57	848980	20.0
3-Methylbenzothio...	12.35	5.5	ng/ul	234168	2	10.57	848980	20.0
Naphthalene, 1-et...	13.44	5.0	ng/ul	449941	3	14.42	1814720	20.0
Naphthalene, 1,7-...	13.57	5.7	ng/ul	514599	3	14.42	1814720	20.0
Naphthalene, 2,3-...	13.73	11.1	ng/ul	1009370	3	14.42	1814720	20.0
9-Oxononanoic acid	14.01	2.5	ng/ul	223784	3	14.42	1814720	20.0
2-Naphthalenecarb...	14.55	6.0	ng/ul	548235	3	14.42	1814720	20.0
Fluorene, 1,4-dih...	15.63	2.1	ng/ul	188031	3	14.42	1814720	20.0
[1,1'-Biphenyl]-4...	15.76	3.4	ng/ul	305581	3	14.42	1814720	20.0
9H-Fluorene, 2-me...	16.47	3.0	ng/ul	302220	4	17.16	2004450	20.0
Naphtho[2,3-b]thi...	16.98	5.5	ng/ul	548011	4	17.16	2004450	20.0
Phenanthrene, 2-m...	18.04	2.1	ng/ul	215199	4	17.16	2004450	20.0
1-Methylcarbazole	18.09	3.8	ng/ul	384279	4	17.16	2004450	20.0
4H-Cyclopenta[def...	18.23	4.9	ng/ul	489537	4	17.16	2004450	20.0
4-Methylcarbazole	18.48	2.1	ng/ul	206041	4	17.16	2004450	20.0
9-Octadecenoic ac...	20.30	11.6	ng/ul	1474340	5	21.36	2546460	20.0