LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\Data\BM121217\
Data File : BM013344.D
Acq On : 12 Dec 2017 18:13
Operator : SJ/JU
Sample : I6775-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A11

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\SOM-EPA-BM113017.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	6.351	551	555	569	rVB	901619	1314567	1.66%	0.295%
2	6.875	628	644	649	rBV	1128097	2434838	3.07%	0.546%
3	7.034	665	671	681	rVB	782412	1282308	1.62%	0.288%
4	7.228	696	704	711	rBV	1267941	2017274	2.54%	0.453%
5	7.686	776	782	789	rVB	740770	1180707	1.49%	0.265%
6	7.904	807	819	824	rBV	587970	1022238	1.29%	0.229%
7	7.963	824	829	840	rVB2	680855	1115067	1.40%	0.250%
8	8.410	895	905	913	rBV	1430583	2638090	3.32%	0.592%
9	8.839	972	978	986	rVB	1106698	1850220	2.33%	0.415%
10	9.557	1091	1100	1109	rBV	1007980	1713683	2.16%	0.385%
11	10.116	1187	1195	1204	rVB2	1568771	3018308	3.80%	0.677%
12	10.475	1249	1256	1258	rBV	841032	1467638	1.85%	0.329%
13	10.545	1258	1268	1274	rVV2	38697817	79367827	100.00%	17.814%
14	10.645	1274	1285	1292	rVB	2128286	3824991	4.82%	0.859%
15	11.010	1341	1347	1352	rBV	891828	1394272	1.76%	0.313%
16	11.069	1352	1357	1363	rVB	891827	1314004	1.66%	0.295%
17	11.298	1388	1396	1401	rBV2	4094044	8099796	10.21%	1.818%
18	11.339	1401	1403	1420	rVB	775818	1207772	1.52%	0.271%
19	11.586	1439	1445	1450	rBV	873752	1420578	1.79%	0.319%
20	11.645	1450	1455	1467	rVB	853709	1507050	1.90%	0.338%
21	12.121	1529	1536	1541	rBV2	714103	1600465	2.02%	0.359%
22	12.174	1541	1545	1548	rVV	667707	1002706	1.26%	0.225%
23	12.216	1548	1552	1553	rVV	717624	996653	1.26%	0.224%
24	12.269	1553	1561	1567	rVV	12622083	21198170	26.71%	4.758%
25	12.363	1571	1577	1587	rVB	5034314	7856038	9.90%	1.763%
26	12.474	1588	1596	1602	rVV	1608221	2472928	3.12%	0.555%
27	12.551	1602	1609	1618	rVB2	455535	906114	1.14%	0.203%
28	12.868	1655	1663	1670	rBV	1986425	3344649	4.21%	0.751%
29	13.163	1706	1713	1721	rVV2	1739710	2920780	3.68%	0.656%
30	13.645	1783	1795	1801	rBV2	1275280	2610007	3.29%	0.586%
31	13.751	1808	1813	1818	rVV	2766184	4094892	5.16%	0.919%
32	14.021	1853	1859	1869	rBV2	3194638	6832926	8.61%	1.534%
33	14.333	1904	1912	1917	rVB2	1571839	2593023	3.27%	0.582%
34	14.404	1917	1924	1929	rBV	15013628	21459182	27.04%	4.816%

LSC Area Percent Report

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Sample : I6775-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A11

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\SOM-EPA-BM113017.M
Title : SVOA CALIBRATION

35	14.463	1929	1934	1939	rVV2	2304809	3601737	4.54%	0.808%
36	14.510	1939	1942	1944	rVV	1009733	1319394	1.66%	0.296%
37	14.533	1944	1946	1950	rVV	1202451	1724925	2.17%	0.387%
38	14.574	1950	1953	1955	rVV3	784816	1189029	1.50%	0.267%
39	14.604	1955	1958	1962	rVV3	1142342	2111730	2.66%	0.474%
40	14.651	1962	1966	1973	rVV6	1663832	3515370	4.43%	0.789%
41	14.733	1973	1980	1989	rVB	5916921	10151577	12.79%	2.278%
42	14.827	1989	1996	1999	rBV2	808773	1390268	1.75%	0.312%
43	14.951	2010	2017	2023	rBV2	885495	1648857	2.08%	0.370%
44	15.168	2050	2054	2057	rBV	637299	918292	1.16%	0.206%
45	15.221	2059	2063	2066	rVV	1220811	1635487	2.06%	0.367%
46	15.327	2076	2081	2086	rVB2	3926471	6199023	7.81%	1.391%
47	15.392	2086	2092	2096	rBV	10030427	14177779	17.86%	3.182%
48	15.468	2101	2105	2109	rVB3	1125025	1689269	2.13%	0.379%
49	15.545	2115	2118	2123	rVB3	680031	934895	1.18%	0.210%
50	15.821	2161	2165	2172	rVB	408288	878197	1.11%	0.197%
51	15.892	2172	2177	2182	rBV	2227510	3023874	3.81%	0.679%
52	16.057	2200	2205	2220	rVB3	1076673	2078884	2.62%	0.467%
53	16.280	2230	2243	2246	rVV2	970453	2373086	2.99%	0.533%
54	16.333	2246	2252	2259	rVV4	735094	2363432	2.98%	0.530%
55	16.386	2259	2261	2266	rVV3	535005	836785	1.05%	0.188%
56	16.739	2317	2321	2324	rBV	779392	980264	1.24%	0.220%
57	16.774	2324	2327	2329	rVV	784790	978333	1.23%	0.220%
58	16.804	2329	2332	2334	rVV	850010	1150884	1.45%	0.258%
59	16.833	2334	2337	2343	rVV	1846845	3289957	4.15%	0.738%
60	16.892	2343	2347	2352	rVV2	3065156	5219959	6.58%	1.172%
61	16.945	2352	2356	2360	rVV	1494120	2412528	3.04%	0.541%
62	16.992	2360	2364	2372	rVV2	1194623	2491638	3.14%	0.559%
63	17.086	2372	2380	2382	rVV2	1987414	3978630	5.01%	0.893%
64	17.139	2382	2389	2393	rVV	26250816	40560332	51.10%	9.104%
65	17.186	2393	2397	2400	rVV	5551195	7738154	9.75%	1.737%
66	17.215	2400	2402	2408	rVB	2307184	2770751	3.49%	0.622%
67	17.415	2433	2436	2439	rVV	737584	1107740	1.40%	0.249%
68	17.456	2439	2443	2445	rVV2	1273518	2316975	2.92%	0.520%
69	17.503	2445	2451	2455	rVB	14681063	21448028	27.02%	4.814%
70	17.598	2464	2467	2474	rVB3	1218167	2365020	2.98%	0.531%
71	17.662	2474	2478	2486	rVB2	984689	1553120	1.96%	0.349%

LSC Area Percent Report

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Sample : I6775-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A11

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 >
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Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Title : SVOA CALIBRATION

72	17.956	2519	2528	2531	rBV2	1071432	2151203	2.71%	0.483%
73	18.009	2531	2537	2545	rVB3	2944410	4958566	6.25%	1.113%
74	18.086	2545	2550	2555	rBV	877989	1389682	1.75%	0.312%
75	18.156	2556	2562	2566	rBV	1905118	3205021	4.04%	0.719%
76	18.462	2610	2614	2618	rVV	652466	831551	1.05%	0.187%
77	18.674	2643	2650	2653	rBV	990955	2226411	2.81%	0.500%
78	18.721	2653	2658	2661	rVV2	1255029	2461529	3.10%	0.552%
79	18.762	2661	2665	2669	rVV2	1472388	2618151	3.30%	0.588%
80	18.803	2669	2672	2677	rVB	993191	1599731	2.02%	0.359%
81	18.850	2677	2680	2686	rBV	649530	1096725	1.38%	0.246%
82	19.168	2728	2734	2738	rBV	4616487	7244124	9.13%	1.626%
83	19.209	2738	2741	2743	rVV	1024602	1368159	1.72%	0.307%
84	19.486	2783	2788	2791	rBV2	6736742	9669411	12.18%	2.170%
85	19.515	2791	2793	2801	rVB2	2895127	3909252	4.93%	0.877%
86	19.897	2854	2858	2866	rVB	568360	838007	1.06%	0.188%
87	20.109	2889	2894	2897	rBV3	1191759	2160076	2.72%	0.485%
88	20.156	2897	2902	2905	rVV	1565280	2747804	3.46%	0.617%
89	20.233	2912	2915	2919	rVB2	1308790	1685455	2.12%	0.378%
90	20.586	2969	2975	2977	rBV2	644316	1308025	1.65%	0.294%
91	21.268	3085	3091	3096	rBV2	3152609	5765606	7.26%	1.294%
92	21.333	3100	3102	3104	rVV	737935	879487	1.11%	0.197%
93	21.368	3105	3108	3110	rVV	1005762	1481112	1.87%	0.332%
94	21.403	3110	3114	3117	rVV2	1486260	3150101	3.97%	0.707%
95	21.439	3118	3120	3123	rVB	1431760	1484724	1.87%	0.333%
96	21.503	3129	3131	3140	rVB2	793477	1426084	1.80%	0.320%
97	21.774	3166	3177	3178	rBV2	530778	1344169	1.69%	0.302%
98	22.503	3289	3301	3305	rBV2	1403350	5149993	6.49%	1.156%
99	23.362	3440	3447	3461	rVB2	3023542	5650224	7.12%	1.268%
100	23.497	3464	3470	3478	rVB2	1374263	2534381	3.19%	0.569%

Sum of corrected areas: 445538728

LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\Data\BM121217\
Data File : BM013344.D
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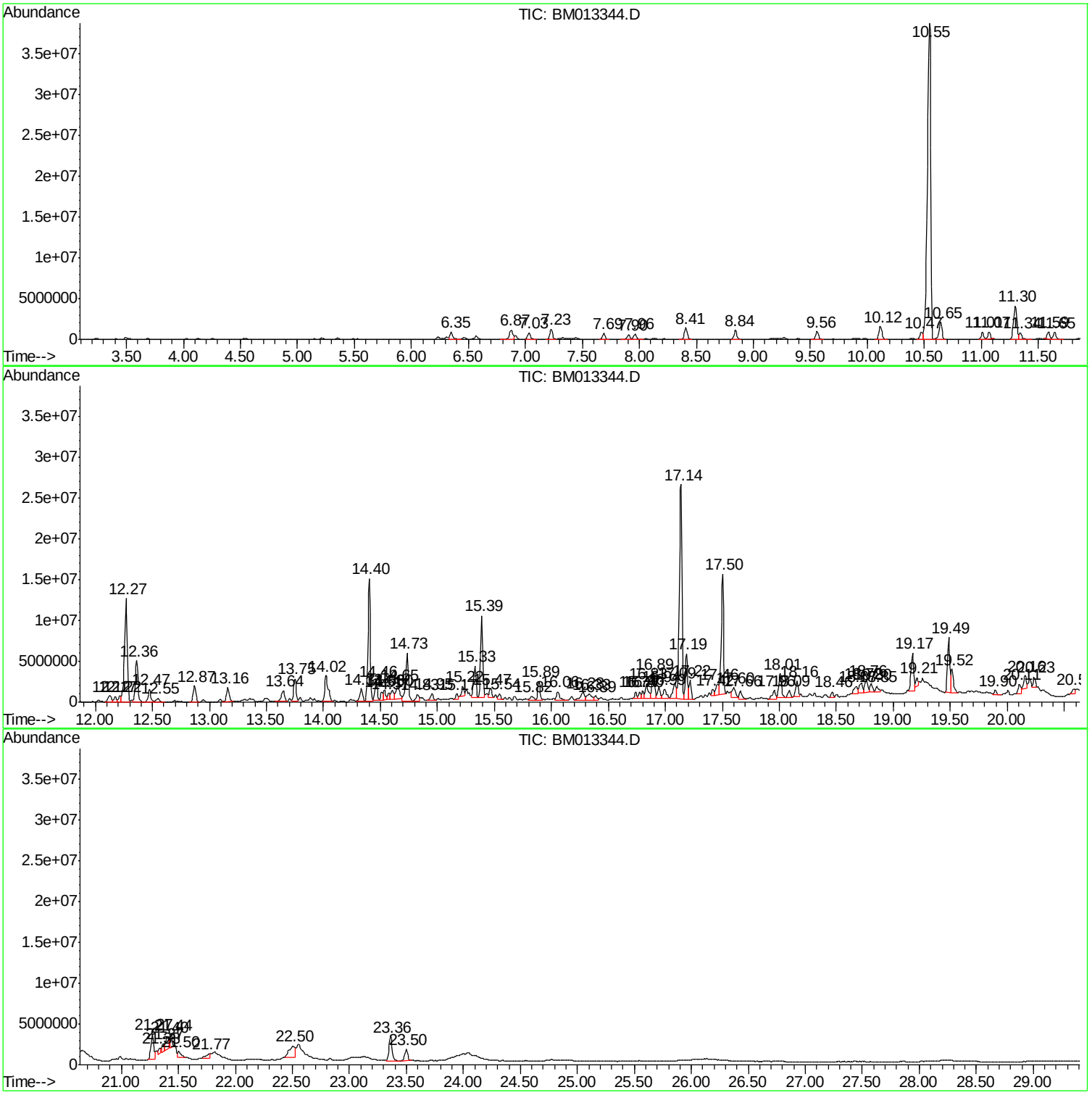
Sample : I6775-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A11

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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Instrument : BNA_M
ClientSampleId : F9A11

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

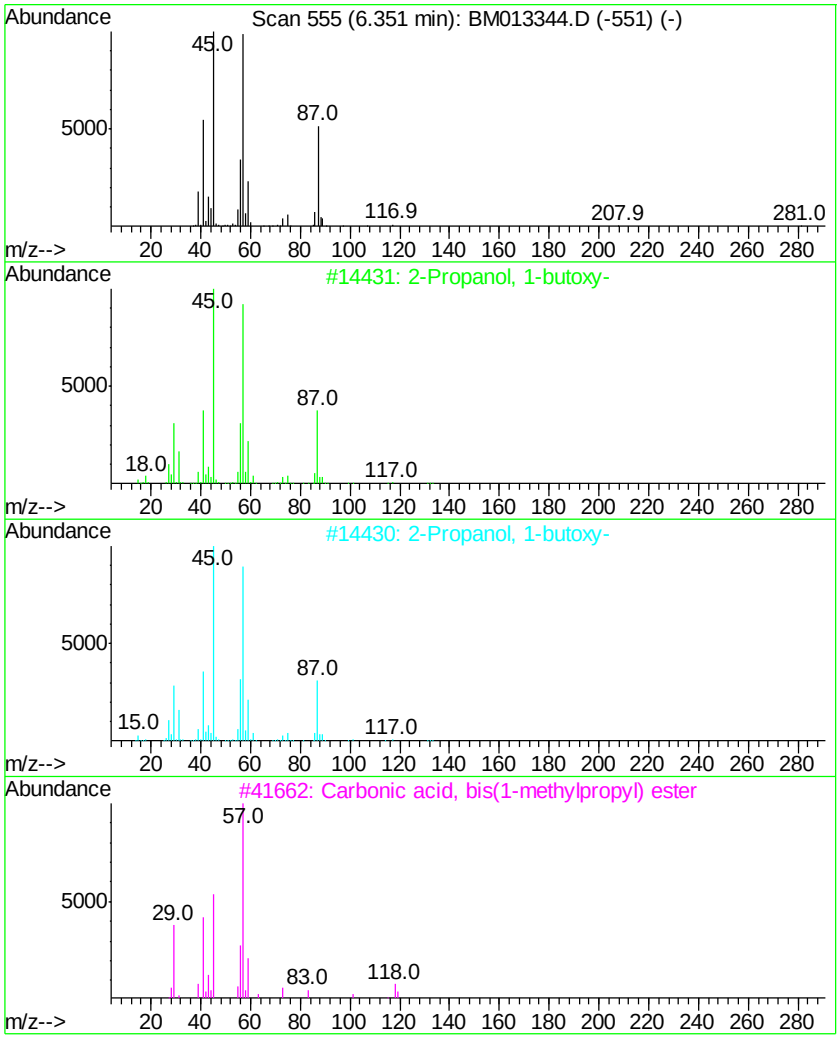
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

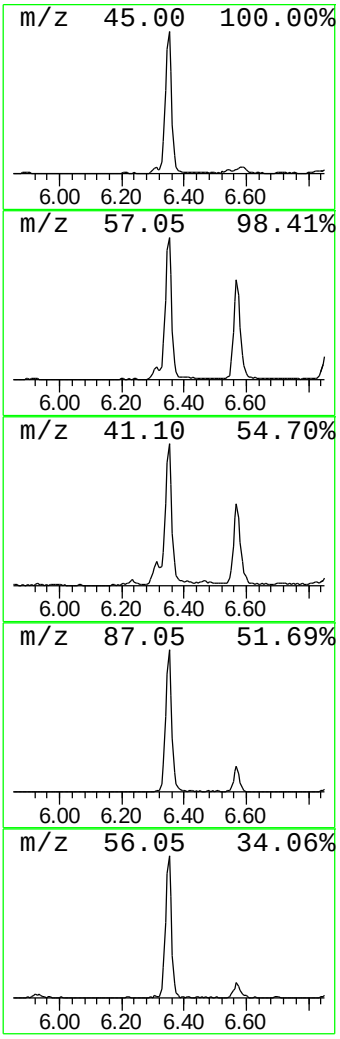
****

Peak Number 1 2-Propanol, 1-butoxy- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.35	22.27 ng/ul	1314570	1,4-Dichlorobenzene-d4	7.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-butoxy-	132	C7H16O2	005131-66-8	83
2	2-Propanol, 1-butoxy-	132	C7H16O2	005131-66-8	72
3	Carbonic acid, bis(1-methylpropy...	174	C9H18O3	000623-63-2	53
4	Butane, 1-(1-methylpropoxy)-	130	C8H18O	000999-65-5	50
5	3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	45





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\Data\BM121217\
Data File : BM013344.D
Acq On : 12 Dec 2017 18:13
Operator : SJ/JU
Sample : I6775-08
Misc :
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Instrument : BNA_M
ClientSampleId : F9A11

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

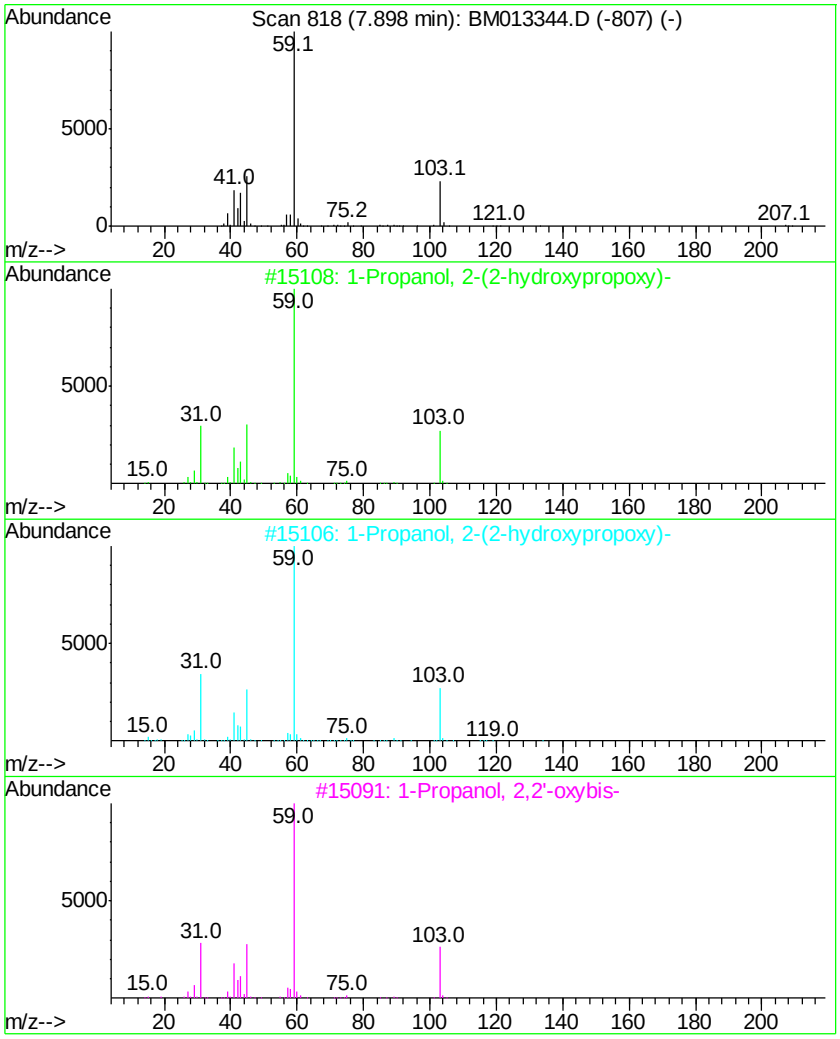
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

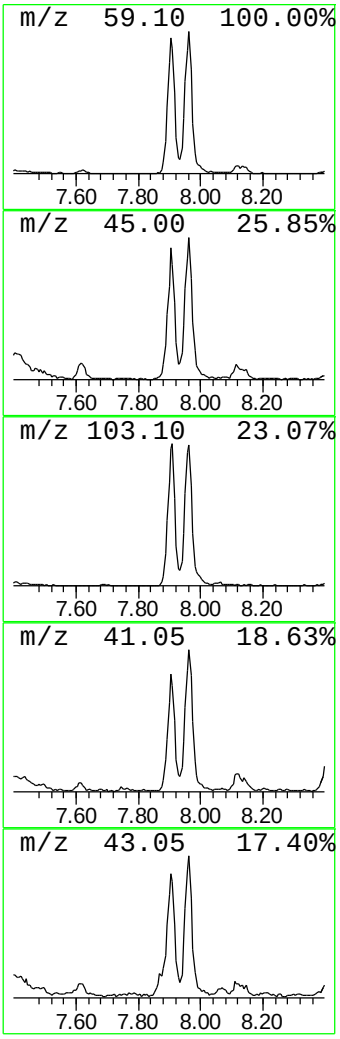
****

Peak Number 2 1-Propanol, 2-(2-hydroxypro... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.90	17.32 ng/ul	1022240	1,4-Dichlorobenzene-d4	7.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	90
2	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	83
3	1-Propanol, 2,2'-oxybis-	134	C6H14O3	000108-61-2	83
4	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	78
5	2-Butanol, 3,3'-oxybis-	162	C8H18O3	054305-61-2	78





Library Search Compound Report

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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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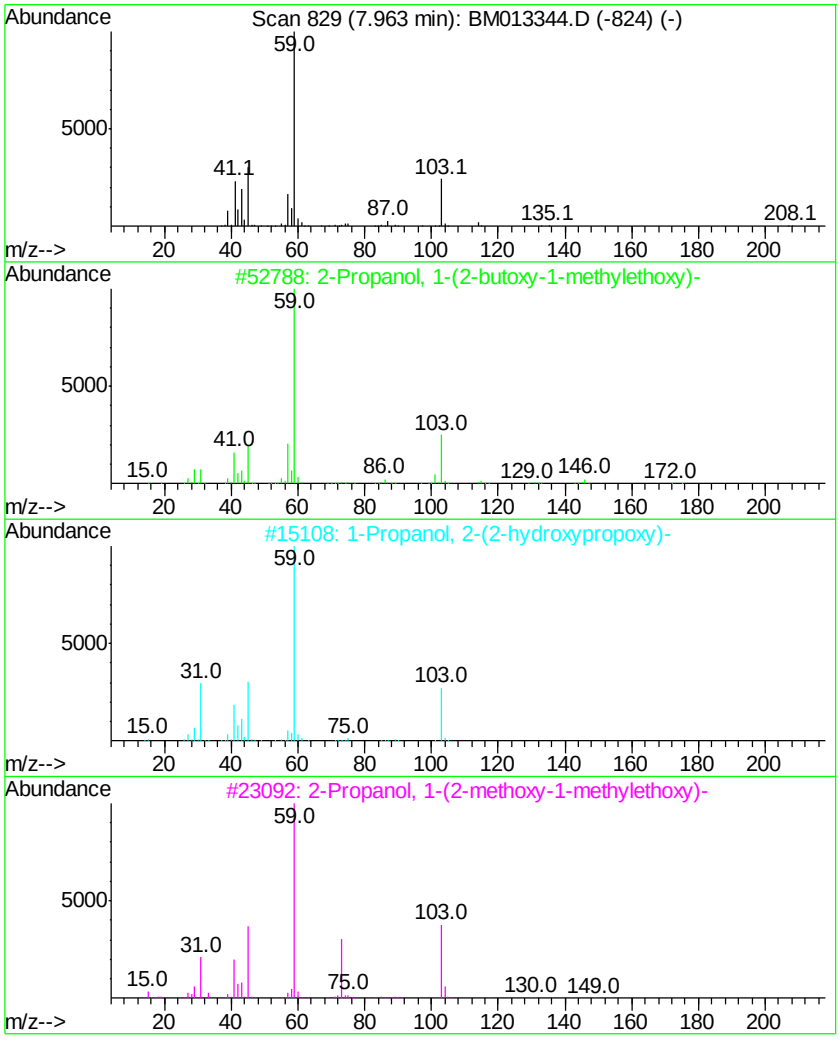
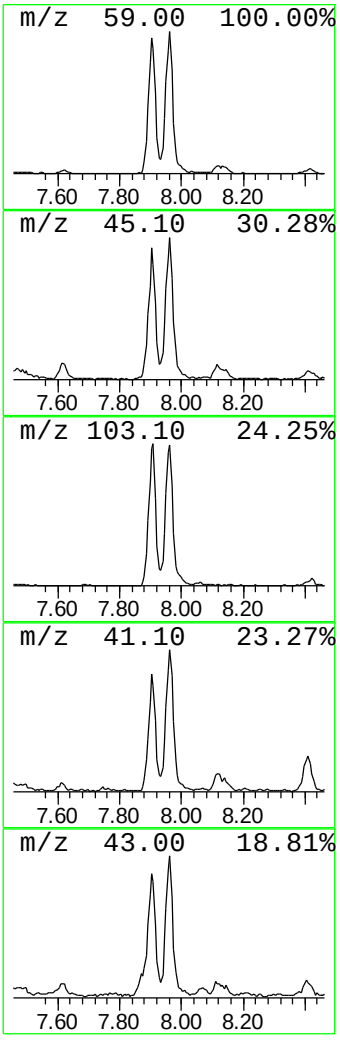
Peak Number 3 2-Propanol, 1-(2-butoxy-1-m... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.96	18.89 ng/ul	1115070	1,4-Dichlorobenzene-d4	7.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-butoxy-1-methyl...	190	C10H22O3	029911-28-2	72
2	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	72
3	2-Propanol, 1-(2-methoxy-1-methy...	148	C7H16O3	020324-32-7	64
4	1-Propanol, 2,2'-oxybis-	134	C6H14O3	000108-61-2	64
5	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	64





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Sample : I6775-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A11

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

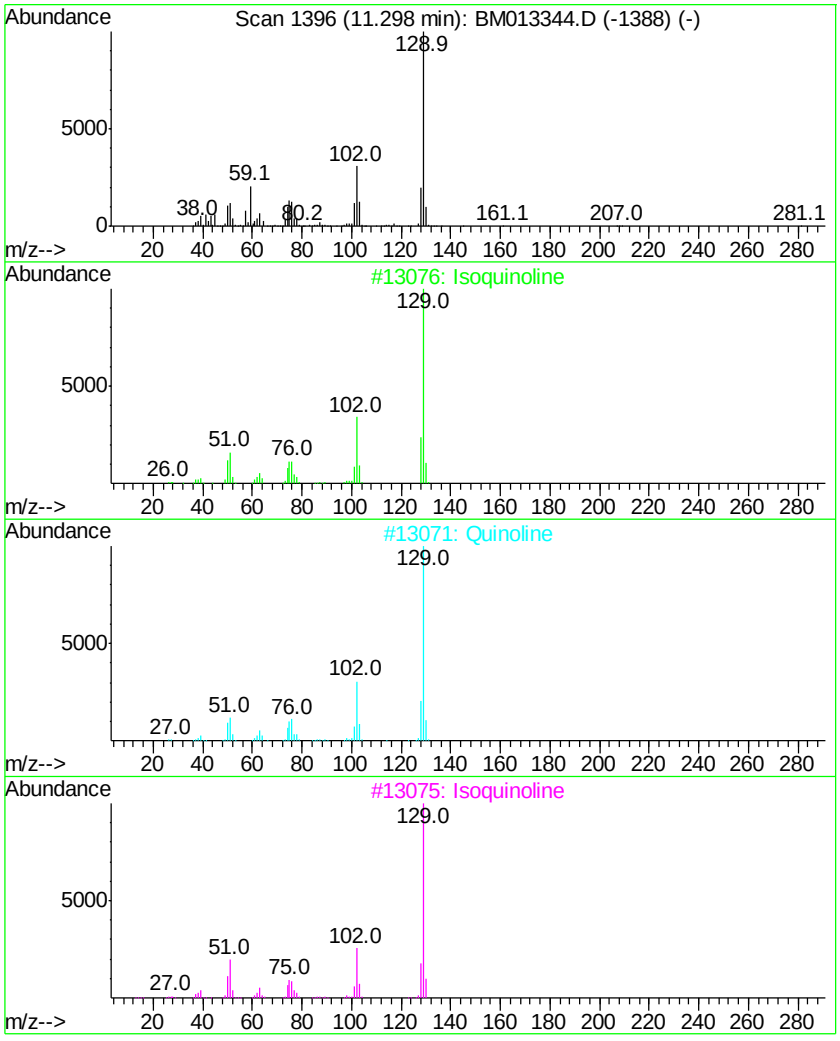
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

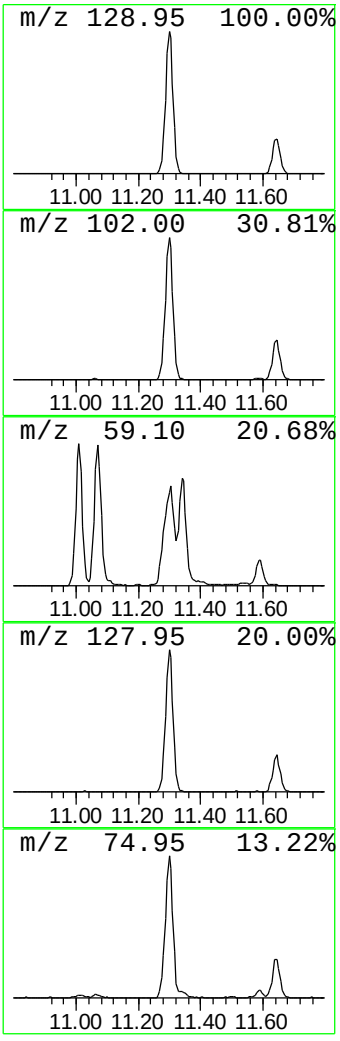
****

Peak Number 6 Isoquinoline Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	110.38 ng/ul	8099800	Naphthalene-d8	10.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isoquinoline	129	C9H7N	000119-65-3	96
2	Quinoline	129	C9H7N	000091-22-5	96
3	Isoquinoline	129	C9H7N	000119-65-3	93
4	Quinoline	129	C9H7N	000091-22-5	93
5	Quinoline	129	C9H7N	000091-22-5	87





Library Search Compound Report

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Operator : SJ/JU
Sample : I6775-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A11

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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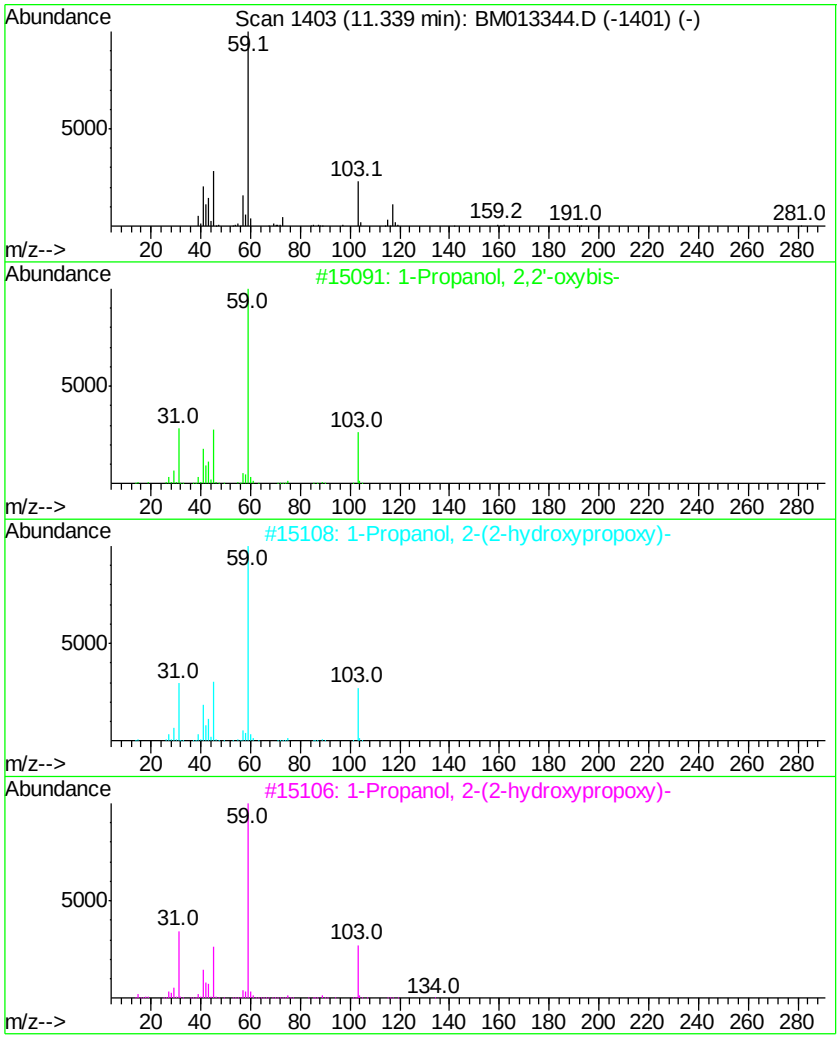
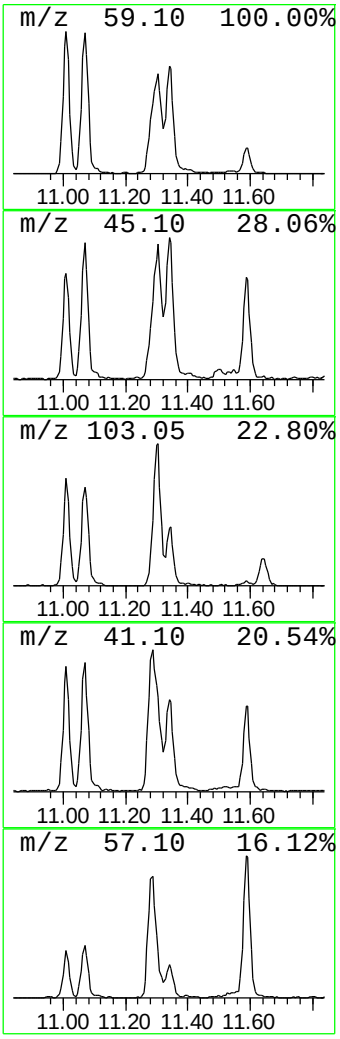
Peak Number 7 1-Propanol, 2,2'-oxybis- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	16.46 ng/ul	1207770	Naphthalene-d8	10.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propanol, 2,2'-oxybis-	134	C6H14O3	000108-61-2	72
2	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	64
3	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	64
4	2-Propanol, 1-[2-(2-methoxy-1-me...	206	C10H22O4	020324-33-8	56
5	2-Propanol, 1-[2-(2-methoxy-1-me...	206	C10H22O4	020324-33-8	50





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Operator : SJ/JU
Sample : I6775-08
Misc :
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Instrument : BNA_M
ClientSampleId : F9A11

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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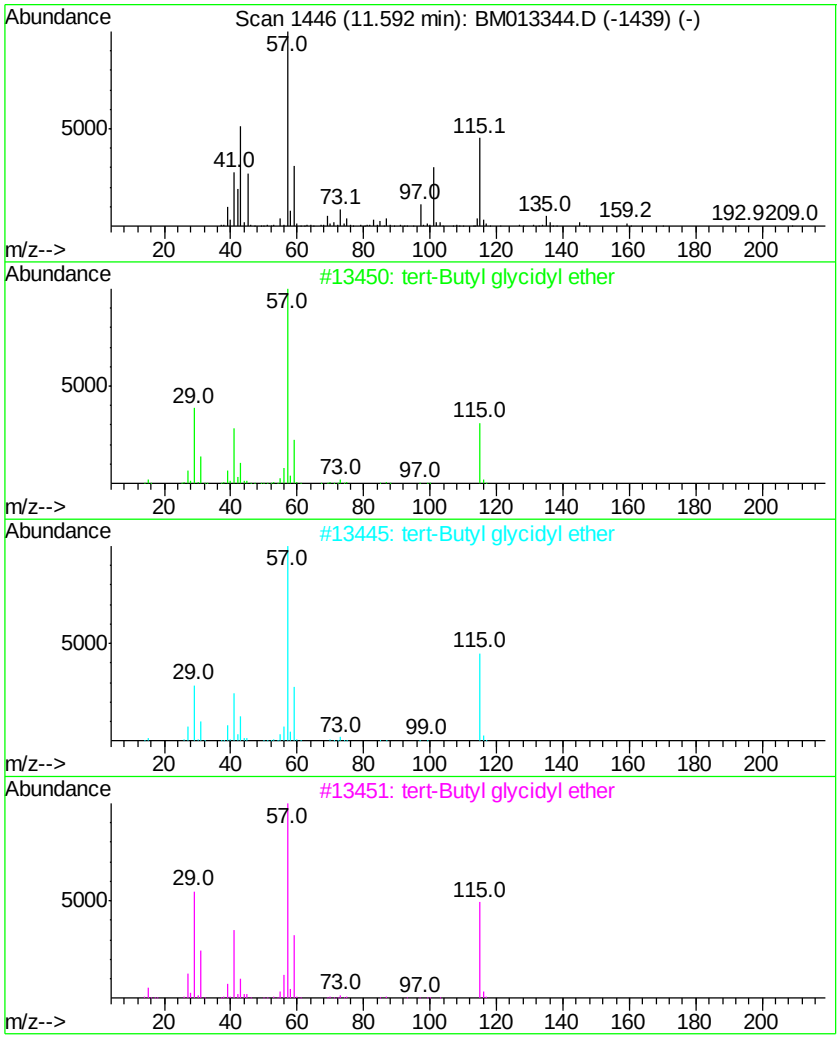
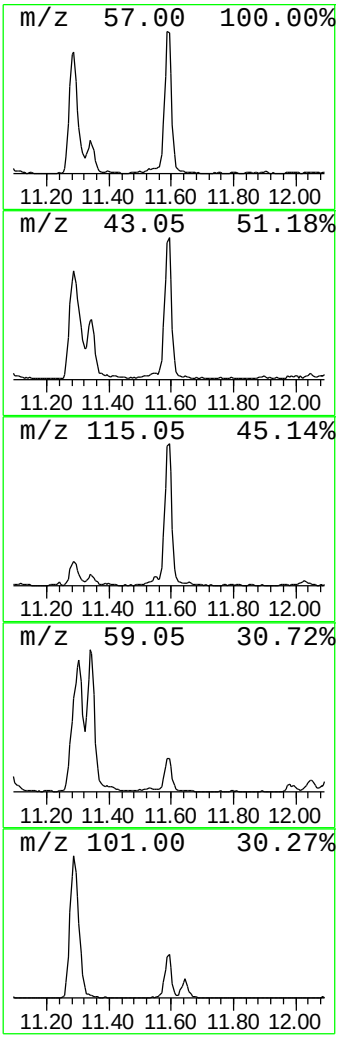
Peak Number 8 unknown-01 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	19.36 ng/ul	1420580	Naphthalene-d8	10.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	tert-Butyl glycidyl ether	130	C7H14O2	007665-72-7	38
2	tert-Butyl glycidyl ether	130	C7H14O2	007665-72-7	32
3	tert-Butyl glycidyl ether	130	C7H14O2	007665-72-7	25
4	Heptanoic acid, 3-oxo-, methyl e...	158	C8H14O3	039815-78-6	25
5	tert-Butyl ethyl malonate	188	C9H16O4	093117-74-9	25





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Instrument : BNA_M
ClientSampleId : F9A11

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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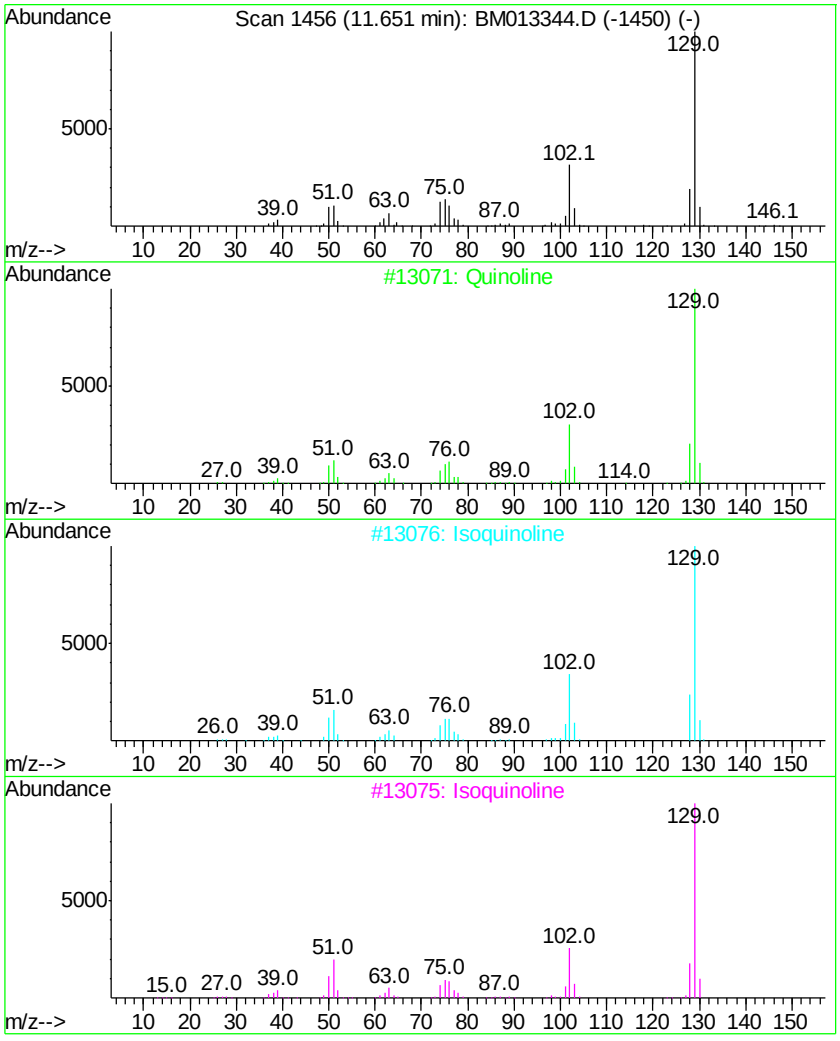
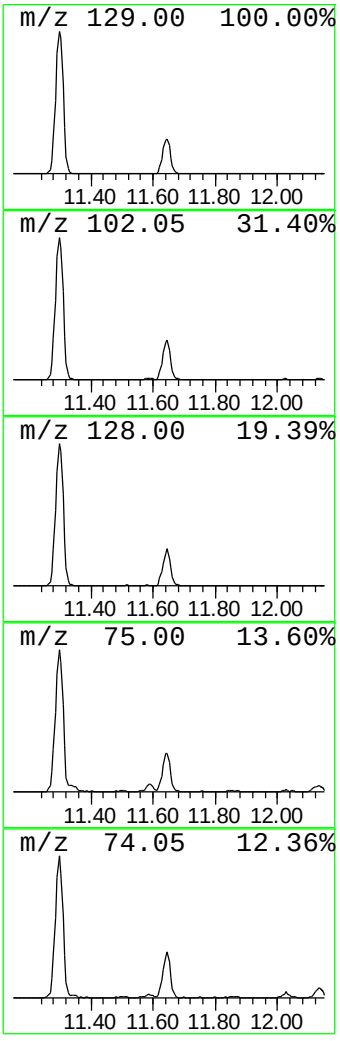
Peak Number 9 Quinoline Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	20.54 ng/ul	1507050	Naphthalene-d8	10.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline	129	C9H7N	000091-22-5	97
2	Isoquinoline	129	C9H7N	000119-65-3	96
3	Isoquinoline	129	C9H7N	000119-65-3	95
4	Quinoline	129	C9H7N	000091-22-5	91
5	Quinoline	129	C9H7N	000091-22-5	91





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ClientSampleId : F9A11

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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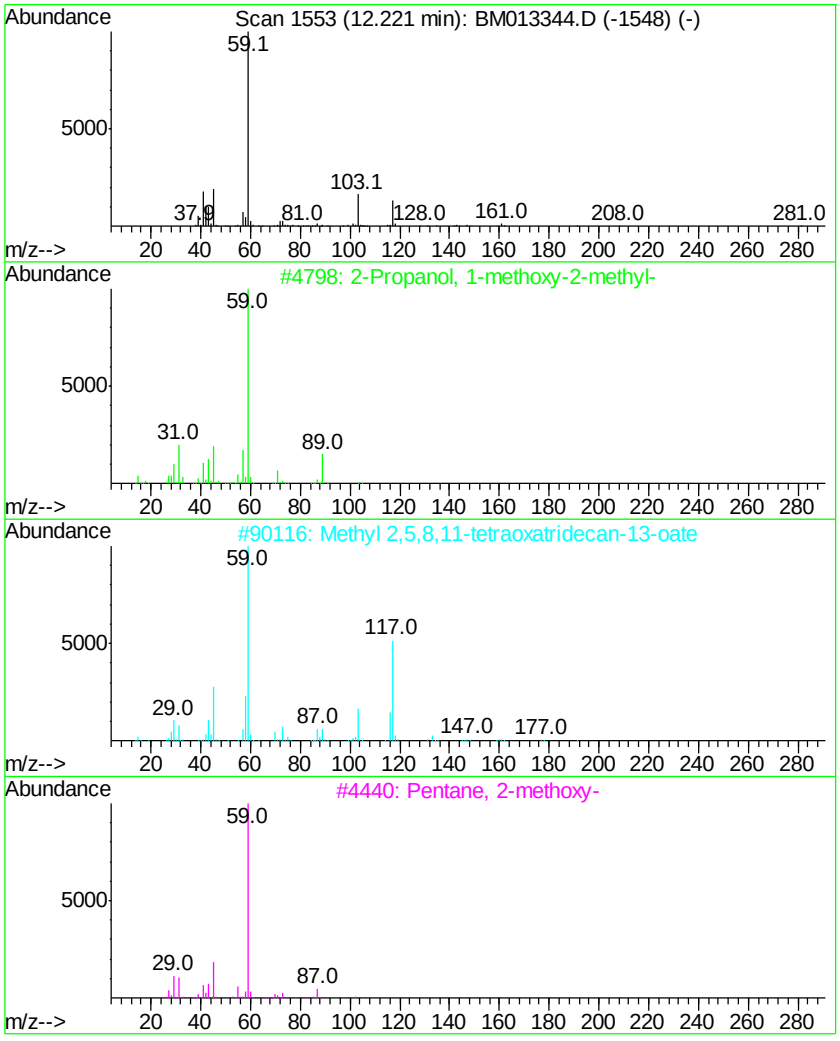
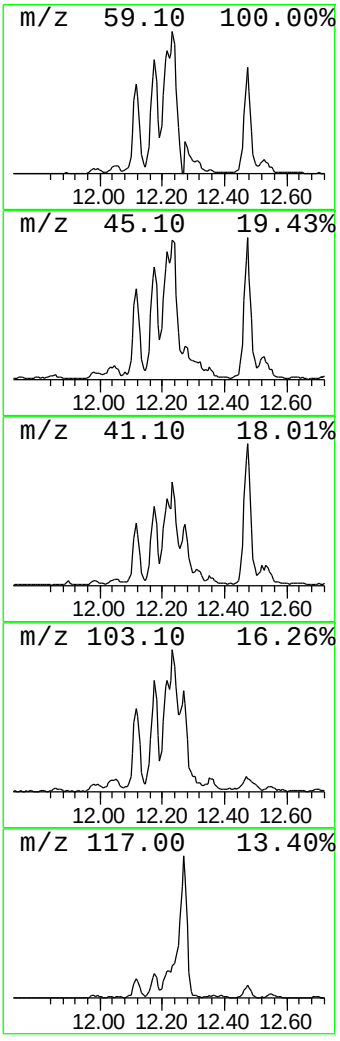
Peak Number 10 2-Propanol, 1-methoxy-2-met... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	13.58 ng/ul	996653	Naphthalene-d8	10.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-methoxy-2-methyl-	104	C5H12O2	003587-64-2	64
2	Methyl 2,5,8,11-tetraoxatridecan...	236	C10H20O6	1000366-78-2	64
3	Pentane, 2-methoxy-	102	C6H14O	006795-88-6	59
4	Tetraglyme	222	C10H22O5	000143-24-8	56
5	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	56





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ClientSampleId : F9A11

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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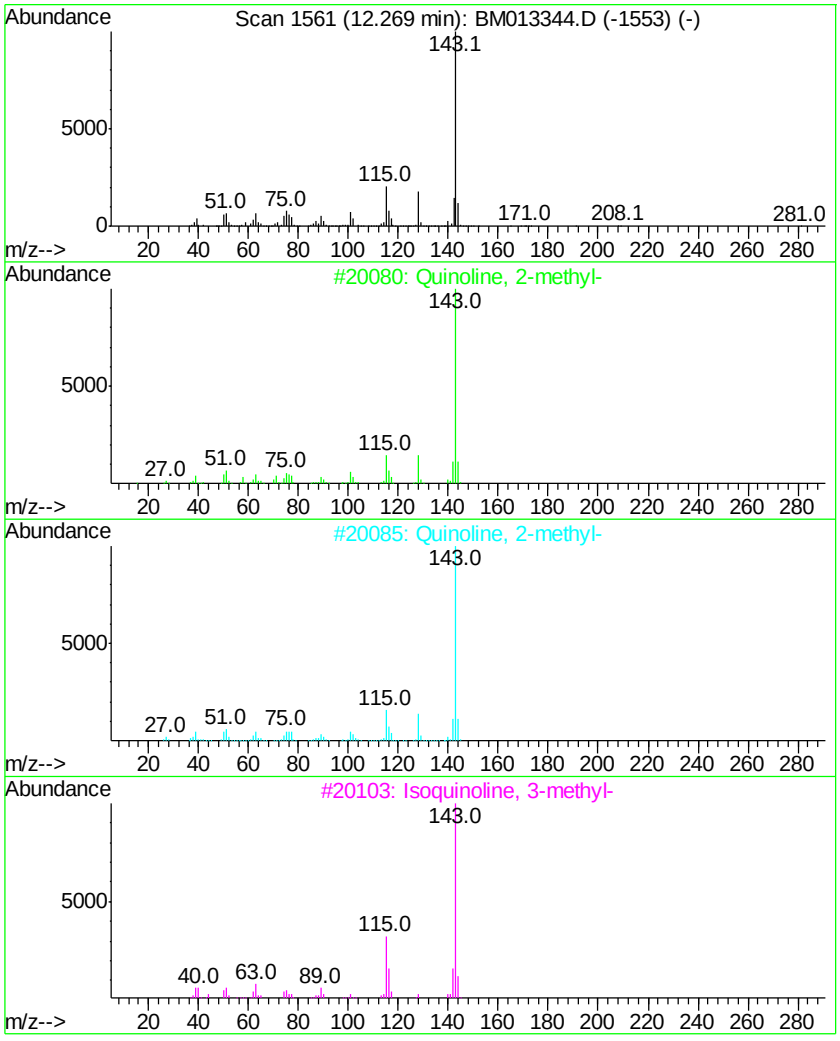
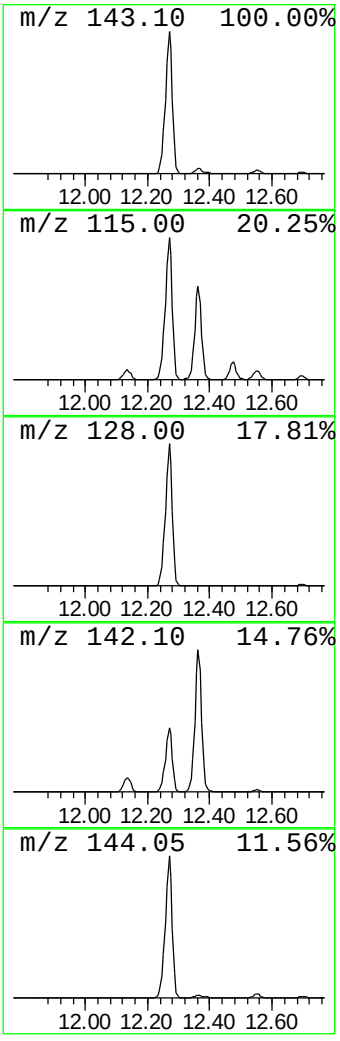
Peak Number 11 Quinoline, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	288.88 ng/ul	21198200	Naphthalene-d8	10.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 2-methyl-	143	C10H9N	000091-63-4	97
2	Quinoline, 2-methyl-	143	C10H9N	000091-63-4	95
3	Isoquinoline, 3-methyl-	143	C10H9N	001125-80-0	90
4	Quinoline, 4-methyl-	143	C10H9N	000491-35-0	90
5	Isoquinoline, 1-methyl-	143	C10H9N	001721-93-3	90





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Instrument : BNA_M
ClientSampleId : F9A11

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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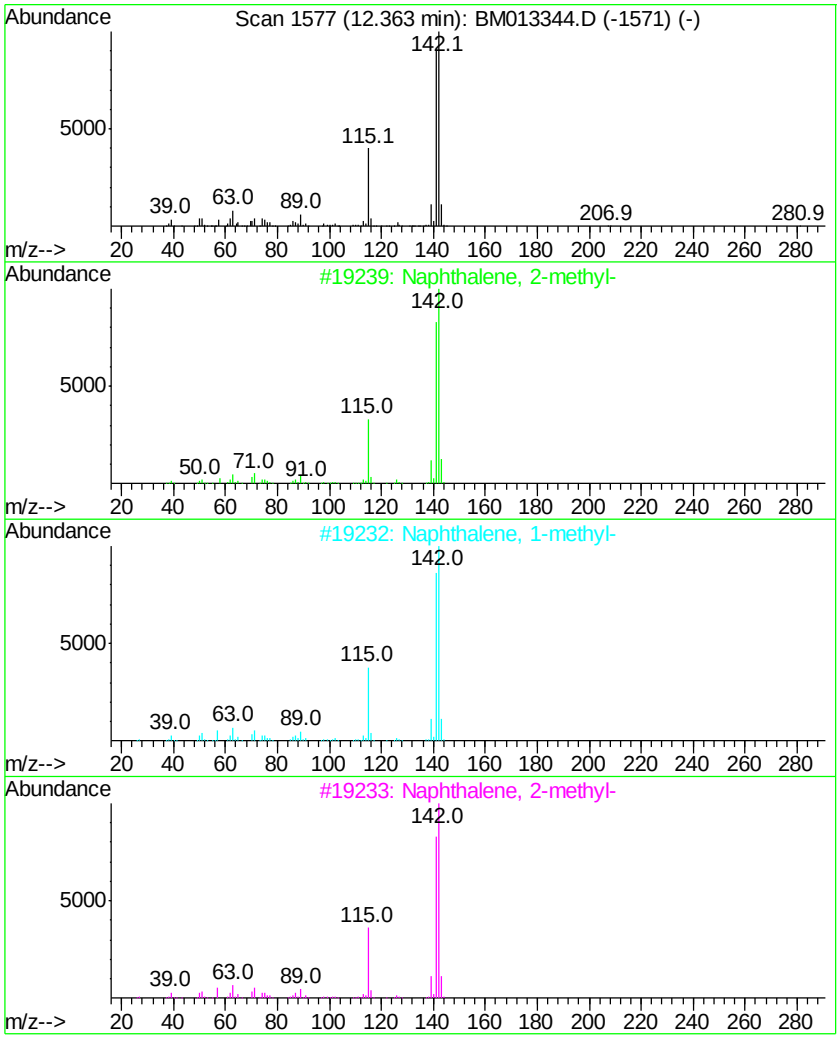
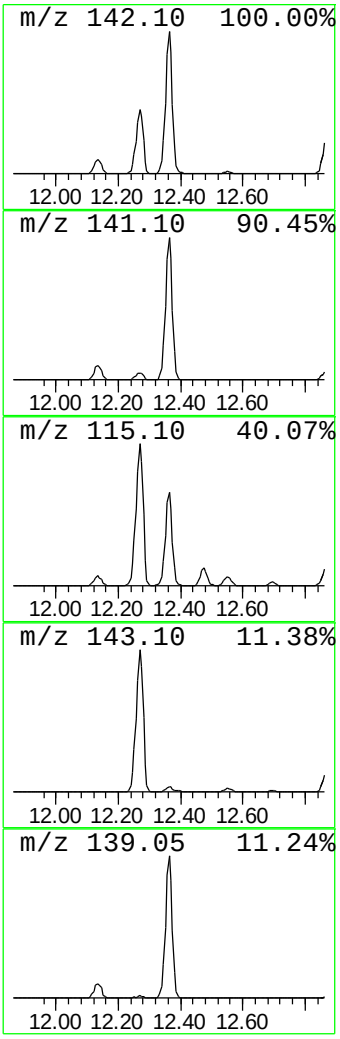
Peak Number 12 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	107.06 ng/ul	7856040	Naphthalene-d8	10.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93





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Instrument : BNA_M
ClientSampleId : F9A11

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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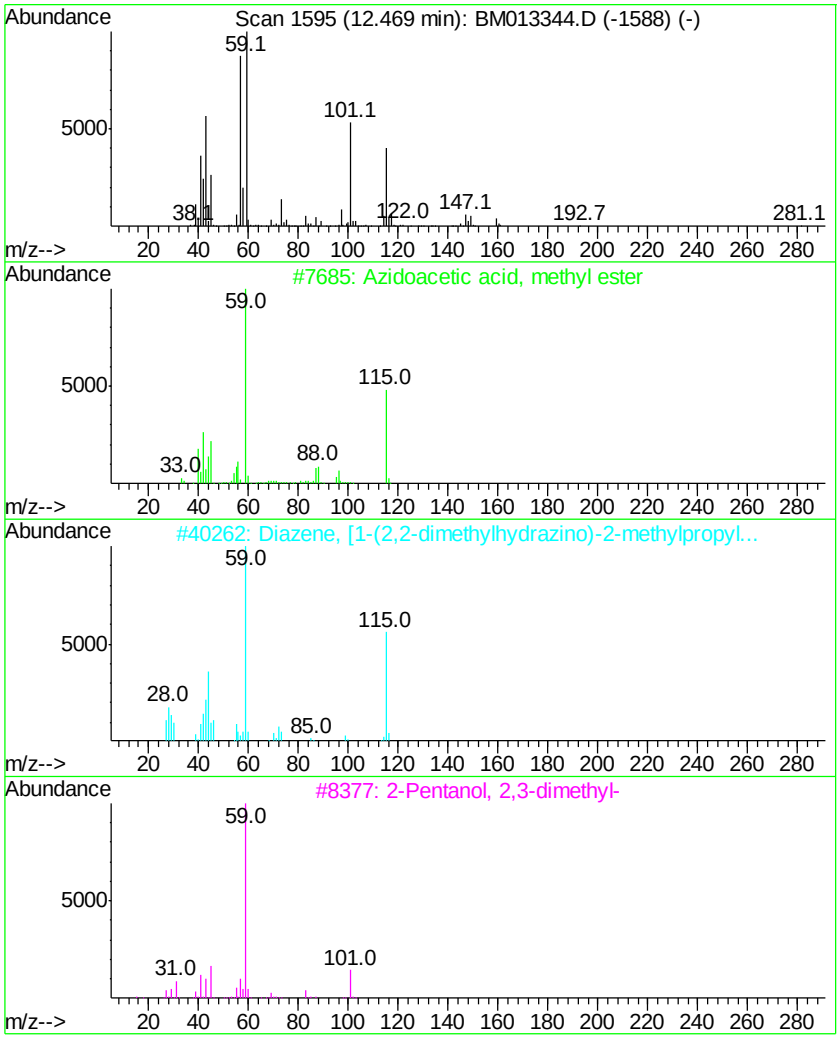
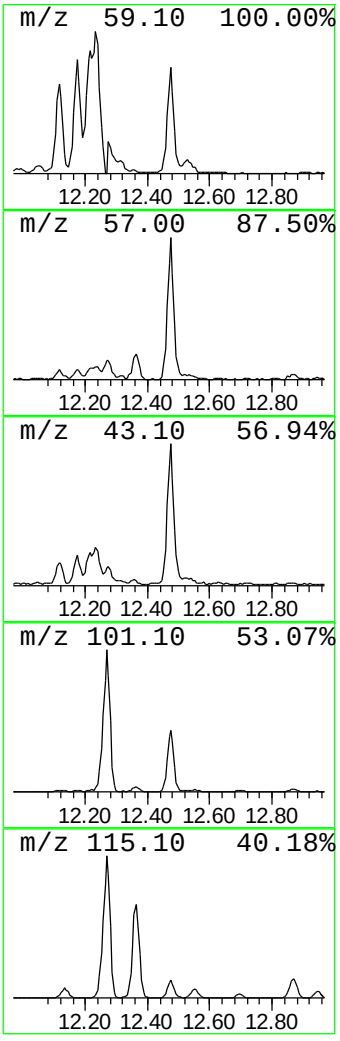
Peak Number 13 unknown-02 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	19.07 ng/ul	2472930	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azidoacetic acid, methyl ester	115	C3H5N3O2	1000316-94-5	38
2	Diazene, [1-(2,2-dimethylhydrazi...	172	C8H20N4	061940-94-1	37
3	2-Pentanol, 2,3-dimethyl-	116	C7H16O	004911-70-0	37
4	Oxirane, tetramethyl-	100	C6H12O	005076-20-0	30
5	Pentane, 1-ethoxy-	116	C7H16O	017952-11-3	27





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Instrument : BNA_M
ClientSampleId : F9A11

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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Peak Number 14 Isoquinoline, 3-methyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	6.99 ng/ul	906114	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isoquinoline, 3-methyl-	143	C10H9N	001125-80-0	96
2	Isoquinoline, 1-methyl-	143	C10H9N	001721-93-3	90
3	1-Naphthalenamine	143	C10H9N	000134-32-7	90
4	2-Naphthalenamine	143	C10H9N	000091-59-8	90
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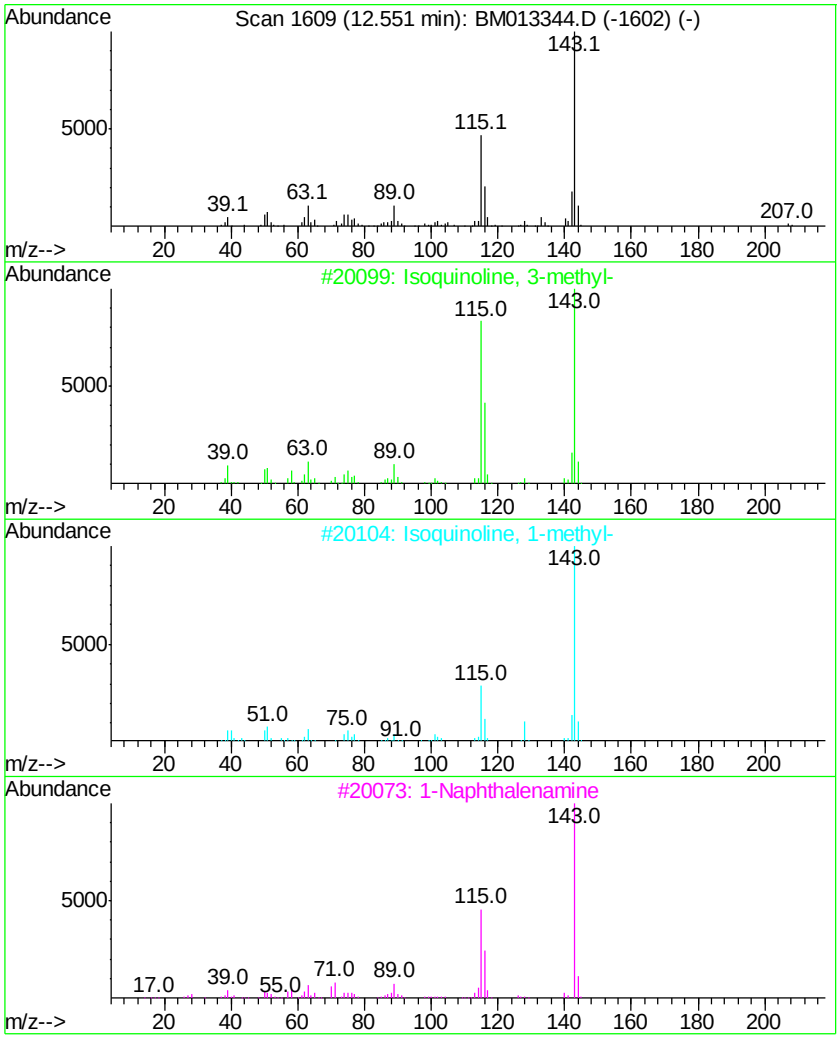

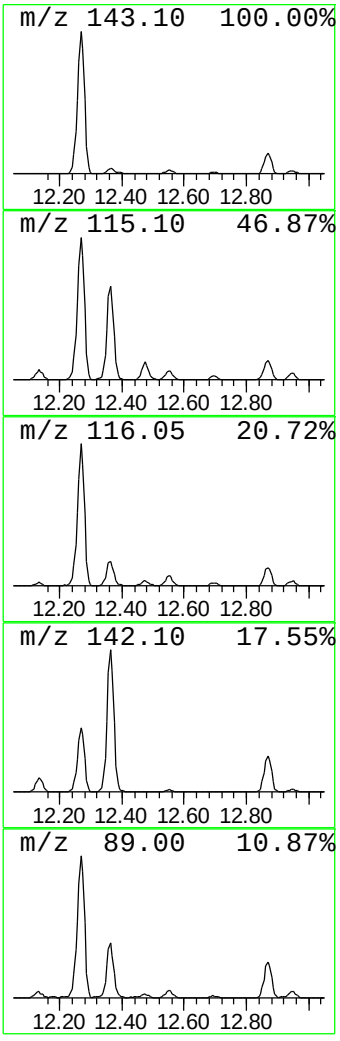

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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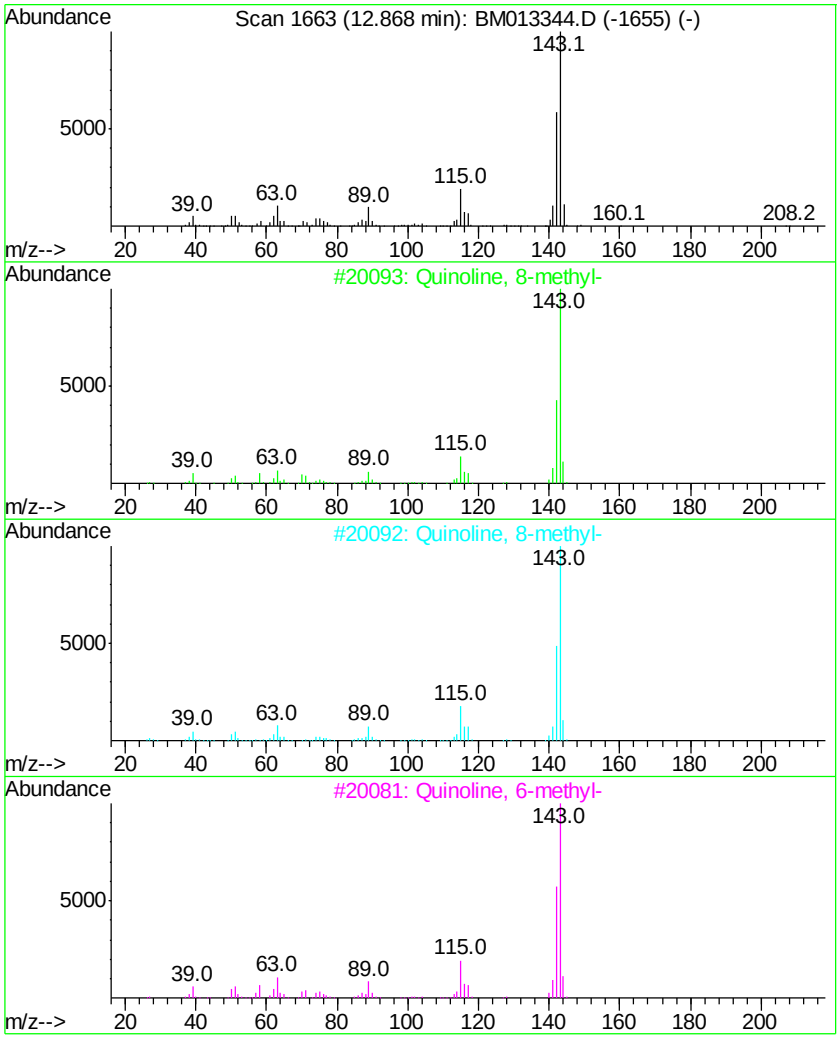
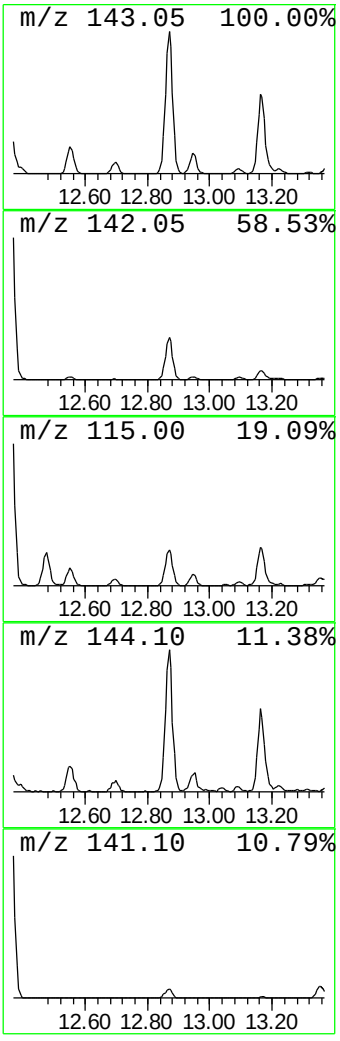
Peak Number 15 Quinoline, 8-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	25.80 ng/ul	3344650	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 8-methyl-	143	C10H9N	000611-32-5	97
2	Quinoline, 8-methyl-	143	C10H9N	000611-32-5	97
3	Quinoline, 6-methyl-	143	C10H9N	000091-62-3	96
4	Quinoline, 7-methyl-	143	C10H9N	000612-60-2	96
5	Quinoline, 7-methyl-	143	C10H9N	000612-60-2	96





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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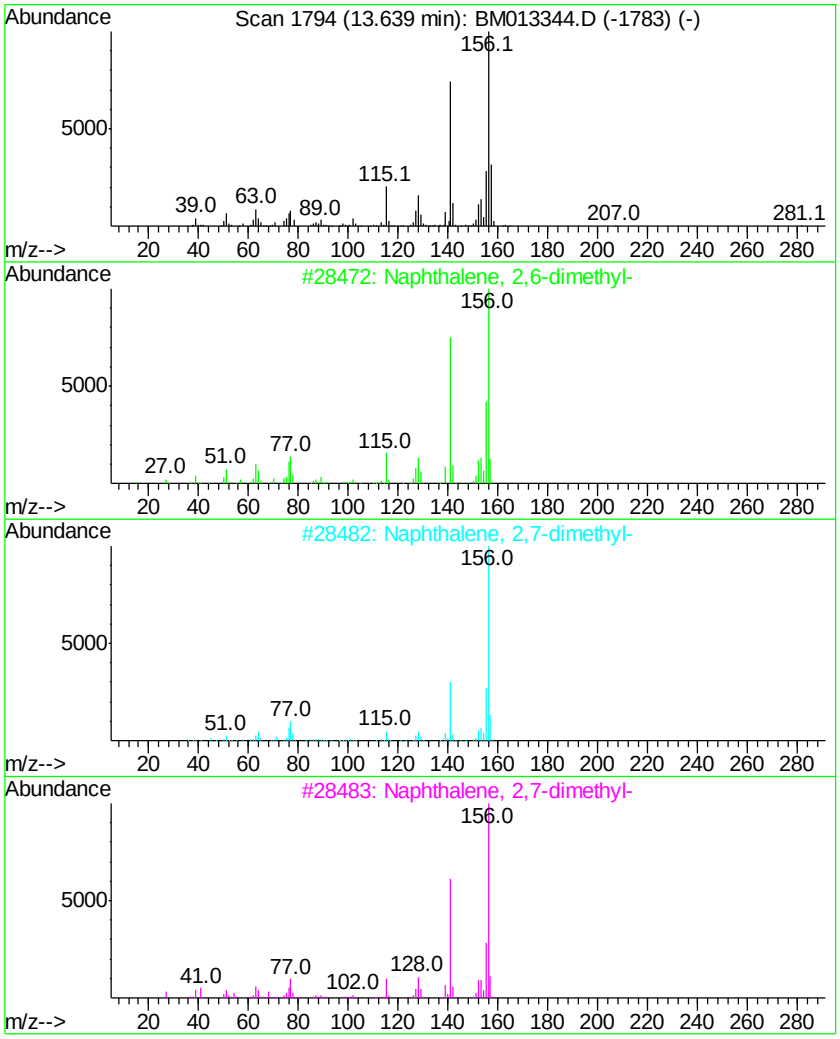
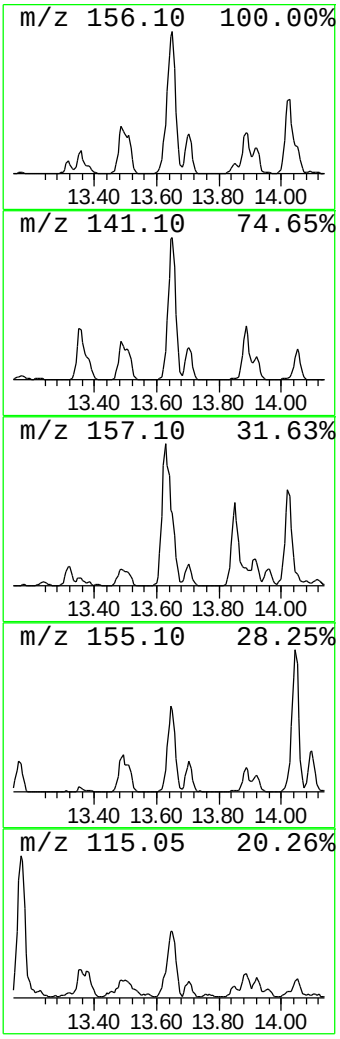
Peak Number 16 Naphthalene, 2,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.64	20.13 ng/ul	2610010	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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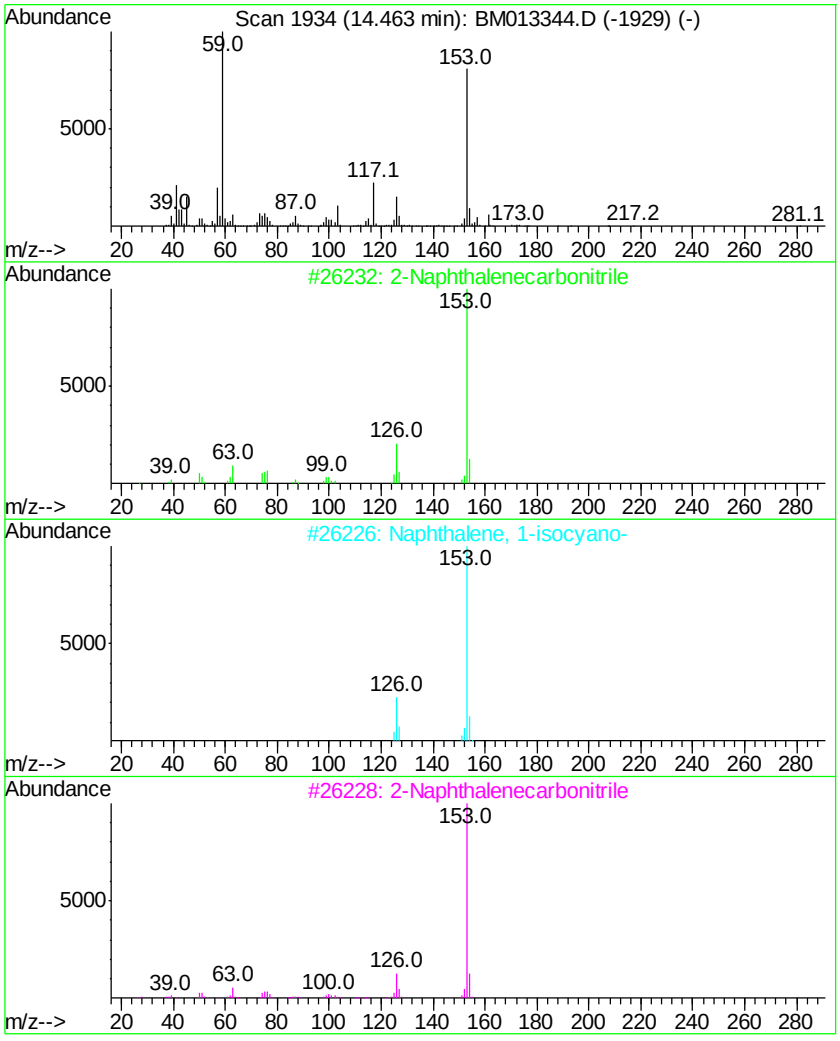
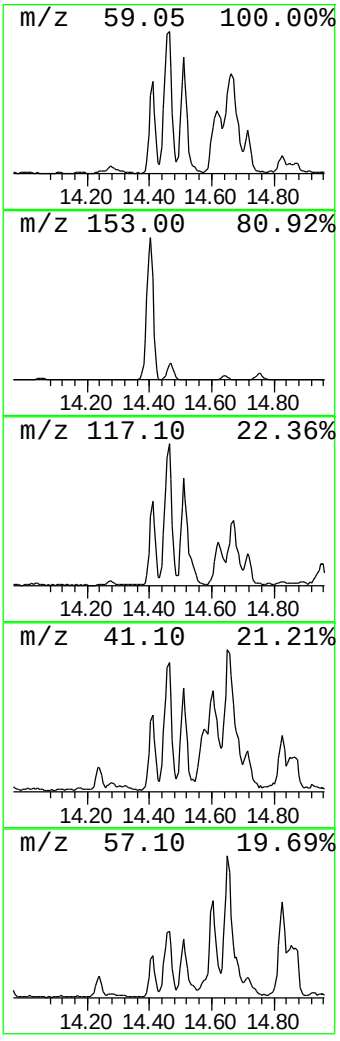
Peak Number 17 2-Naphthalenecarbonitrile Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	27.78 ng/ul	3601740	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	83
2	Naphthalene, 1-isocyano-	153	C11H7N	001984-04-9	72
3	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	46
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	46
5	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	41





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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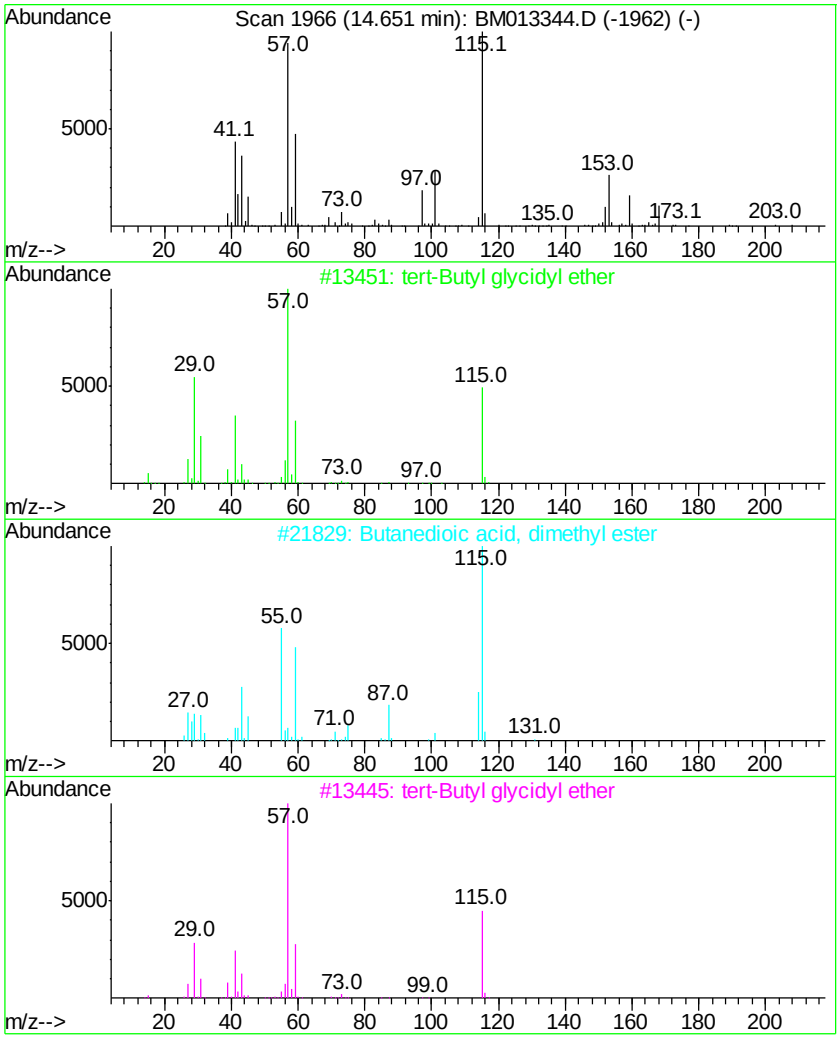
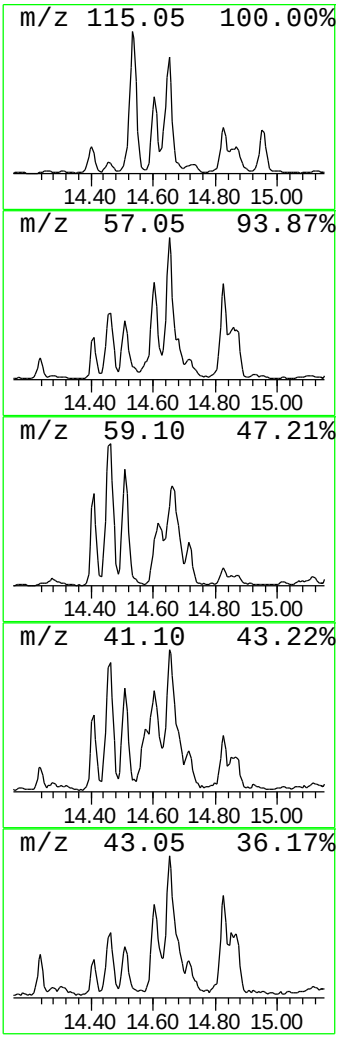
Peak Number 19 unknown-03 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.65	27.11 ng/ul	3515370	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	tert-Butyl glycidyl ether	130	C7H14O2	007665-72-7	28
2	Butanedioic acid, dimethyl ester	146	C6H10O4	000106-65-0	25
3	tert-Butyl glycidyl ether	130	C7H14O2	007665-72-7	23
4	4-Methoxycarbonylbutyl-3-methoxy...	232	C11H20O5	017361-53-4	22
5	Glutaric acid, hexyl propyl ester	258	C14H26O4	1000358-29-3	22





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A11

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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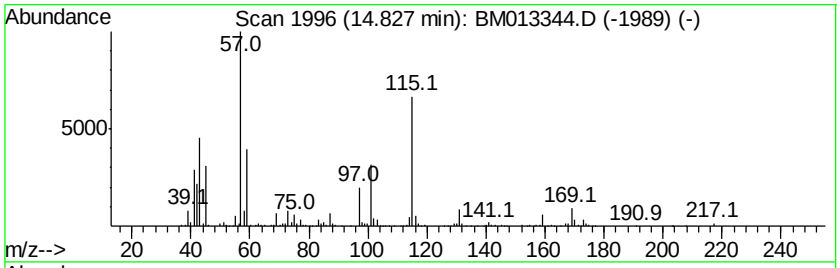
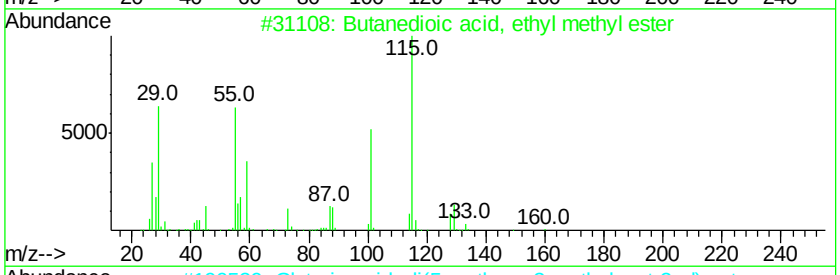
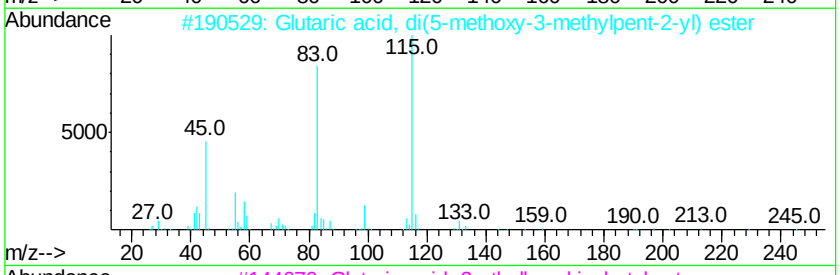
Peak Number 20 unknown-04 Concentration Rank 36

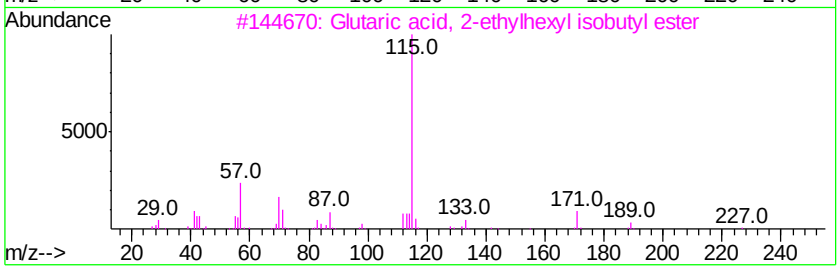
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	10.72 ng/ul	1390270	Acenaphthene-d10	14.33

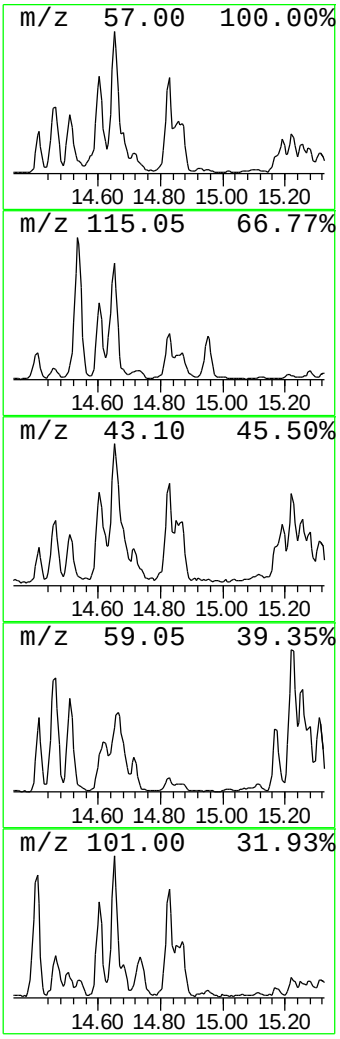
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanedioic acid, ethyl methyl e...	160	C7H12O4	000627-73-6	27
2	Glutaric acid, di(5-methoxy-3-me...	360	C19H36O6	1000358-44-4	22
3	Glutaric acid, 2-ethylhexyl isob...	300	C17H32O4	1000358-23-3	14
4	Glutaric acid, isobutyl undecyl ...	342	C20H38O4	1000358-25-9	14
5	Propane, 2-isothiocyanato-2-methyl-	115	C5H9NS	000590-42-1	14











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Acq On : 12 Dec 2017 18:13
Operator : SJ/JU
Sample : I6775-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A11

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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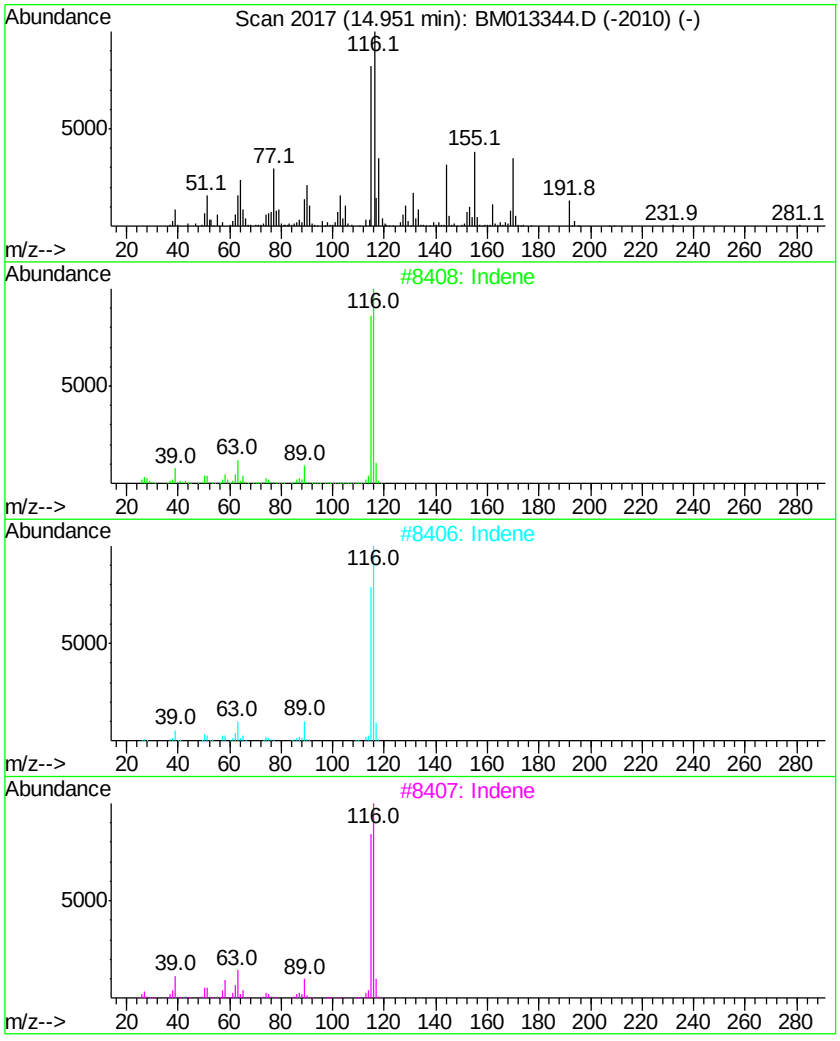
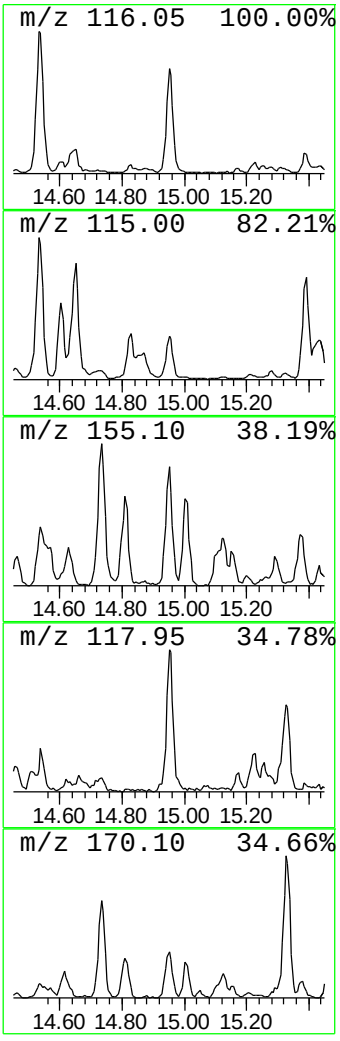
Peak Number 21 Indene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	12.72 ng/ul	1648860	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	50
2	Indene	116	C9H8	000095-13-6	50
3	Indene	116	C9H8	000095-13-6	50
4	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	43
5	1,4-Epoxynaphthalene, 1,4-dihydro-	144	C10H8O	000573-57-9	38





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Instrument : BNA_M
ClientSampleId : F9A11

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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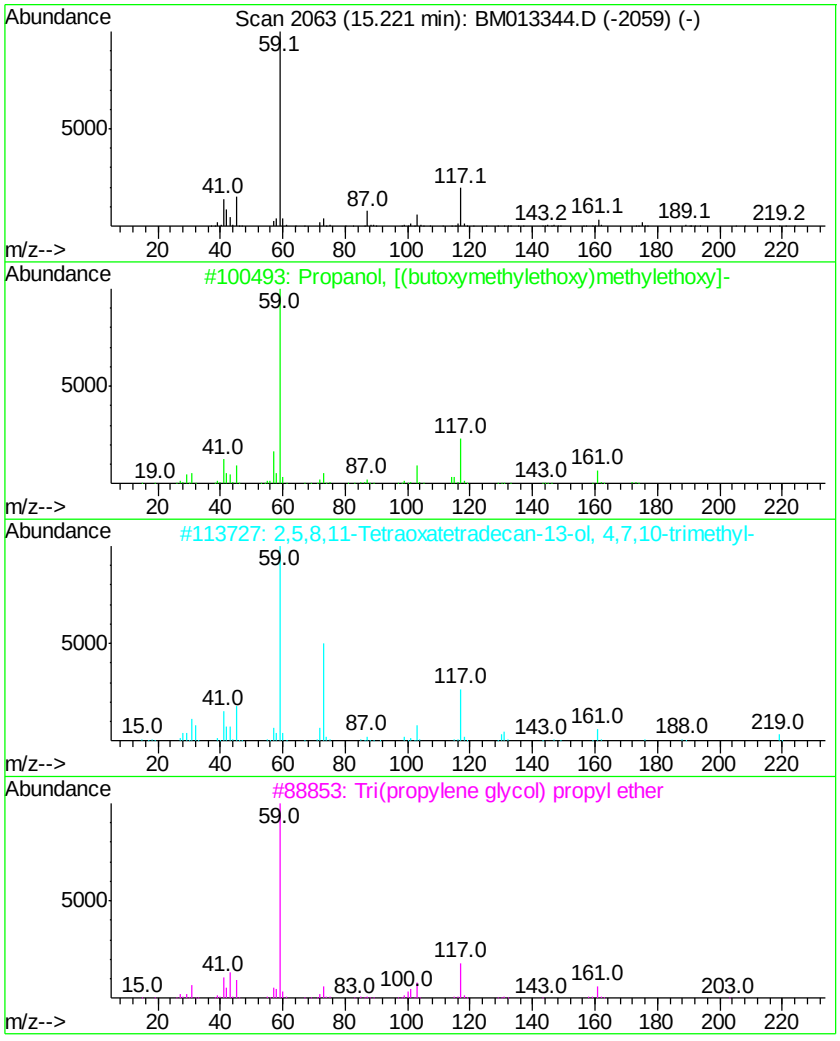
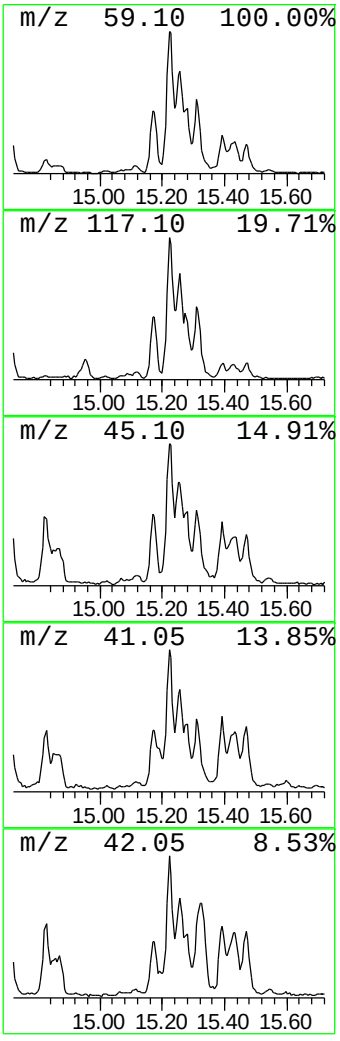
Peak Number 23 Propanol, [(butoxymethyleth... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	12.61 ng/ul	1635490	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanol, [(butoxymethylethoxy)m...	248	C13H28O4	055934-93-5	72
2	2,5,8,11-Tetraoxatetradecan-13-o...	264	C13H28O5	020324-34-9	64
3	Tri(propylene glycol) propyl ether	234	C12H26O4	096077-04-2	56
4	Methyl 2,5,8,11-tetraoxatridecan...	236	C10H20O6	1000366-78-2	56
5	2-Propanol, 1,1'-[(1-methyl-1,2-...	192	C9H20O4	001638-16-0	53





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Instrument : BNA_M
ClientSampleId : F9A11

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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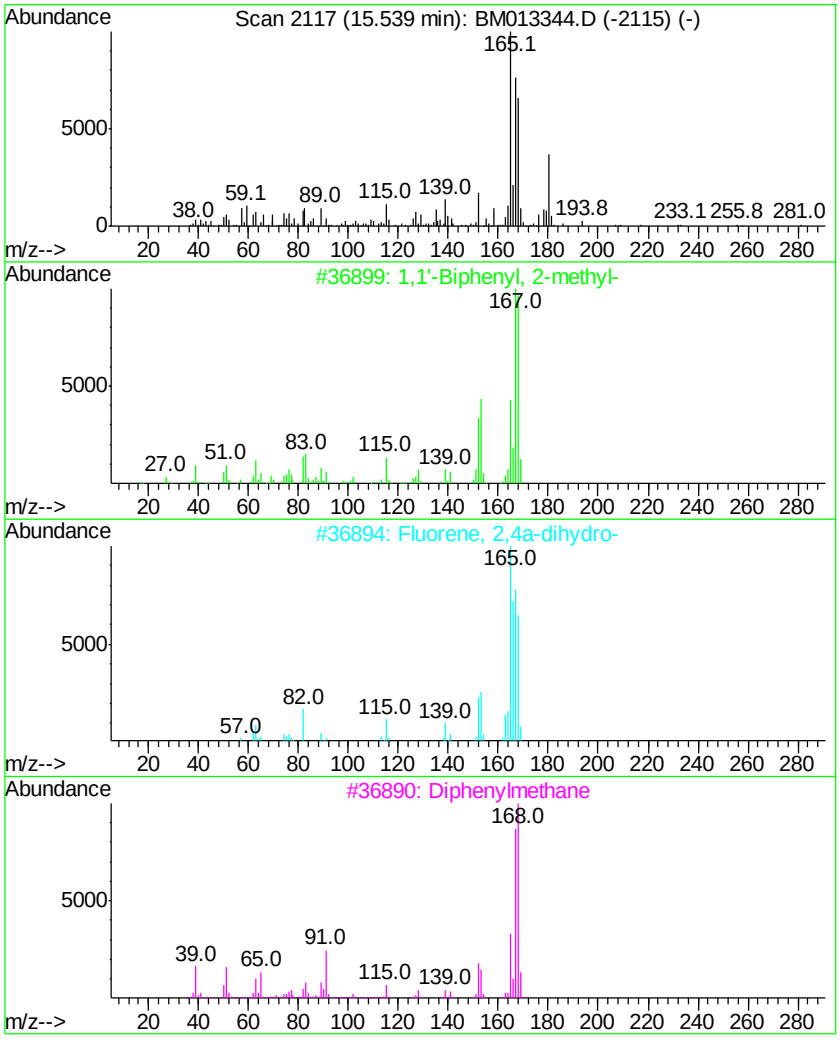
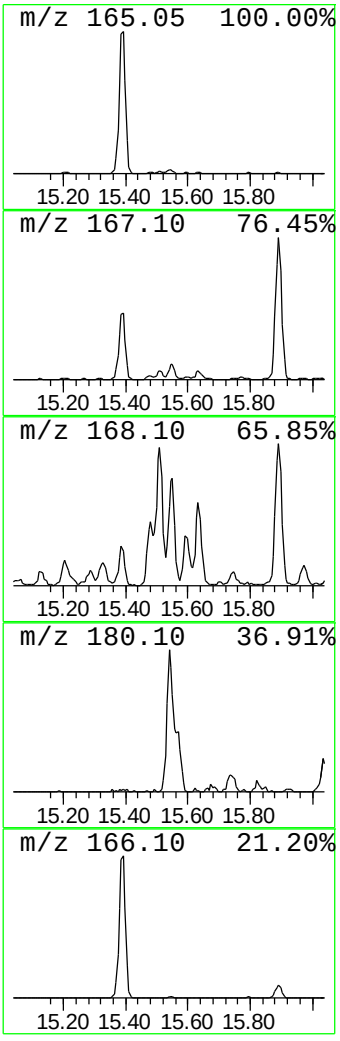
Peak Number 24 unknown-05 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	7.21 ng/ul	934895	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	49
2	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	49
3	Diphenylmethane	168	C13H12	000101-81-5	43
4	Diphenylmethane	168	C13H12	000101-81-5	43
5	Diphenylmethane	168	C13H12	000101-81-5	43





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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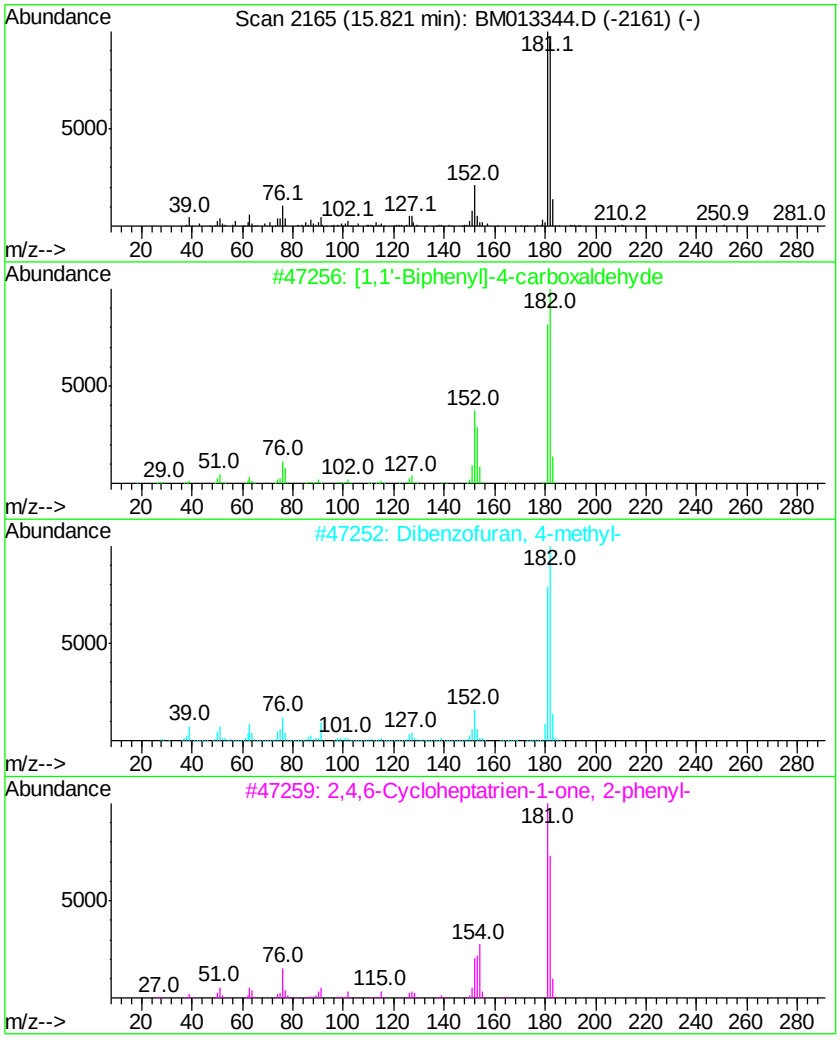
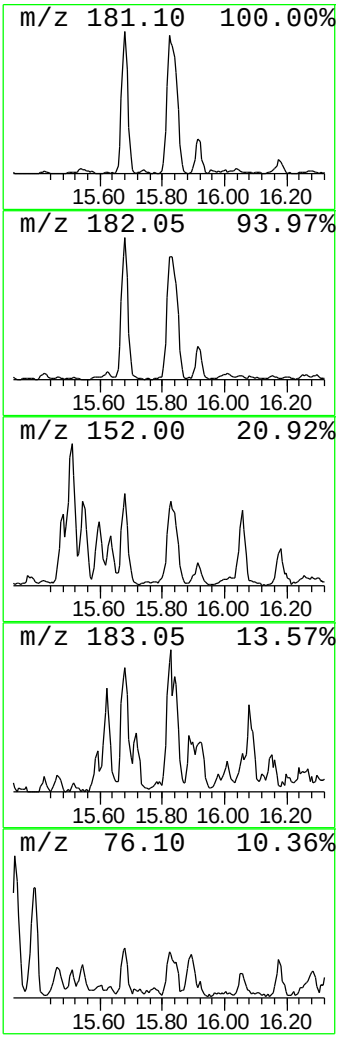
Peak Number 25 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.82	4.41 ng/ul	878197	Phenanthrene-d10	17.09

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	91
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80





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Instrument : BNA_M
ClientSampleId : F9A11

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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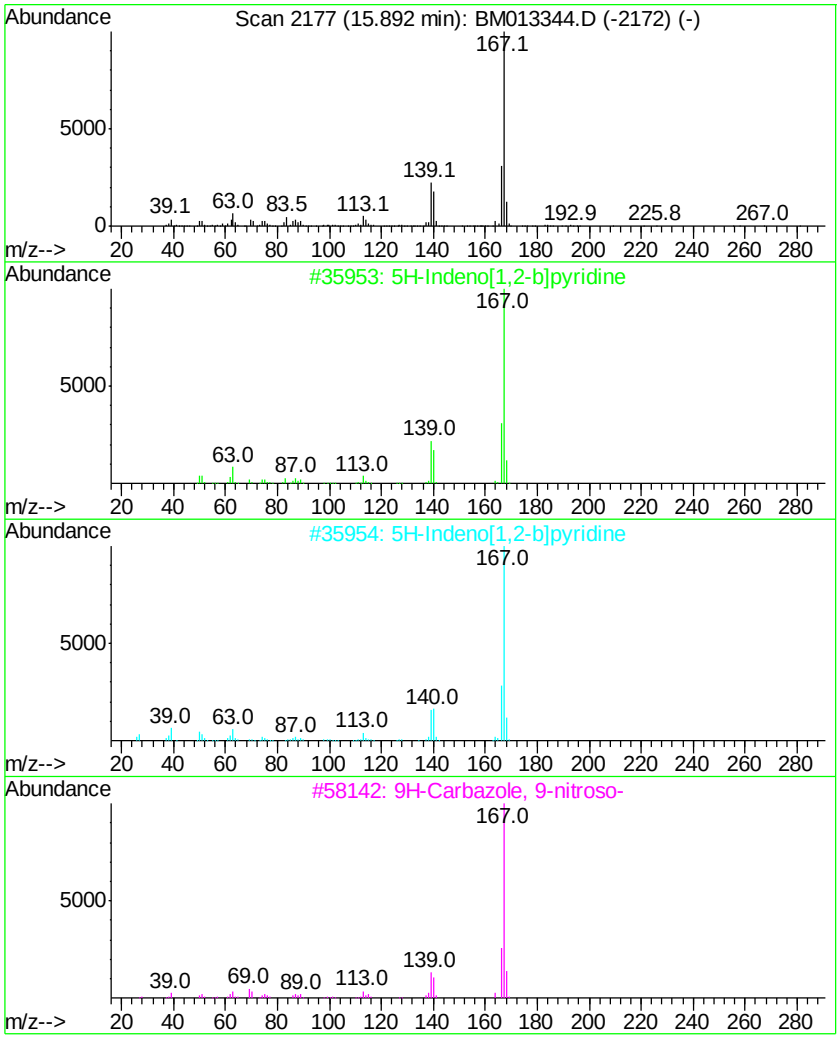
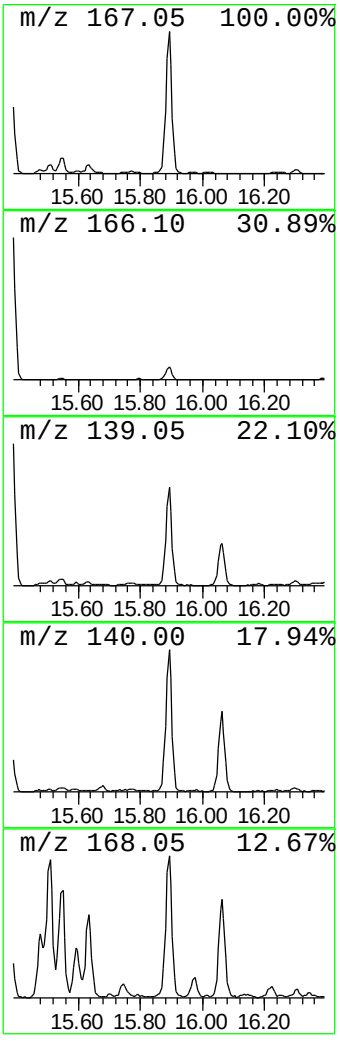
Peak Number 26 5H-Indeno[1,2-b]pyridine Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	15.20 ng/ul	3023870	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	97
2	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	96
3	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	90
4	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	87
5	Carbazole	167	C12H9N	000086-74-8	87





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A11

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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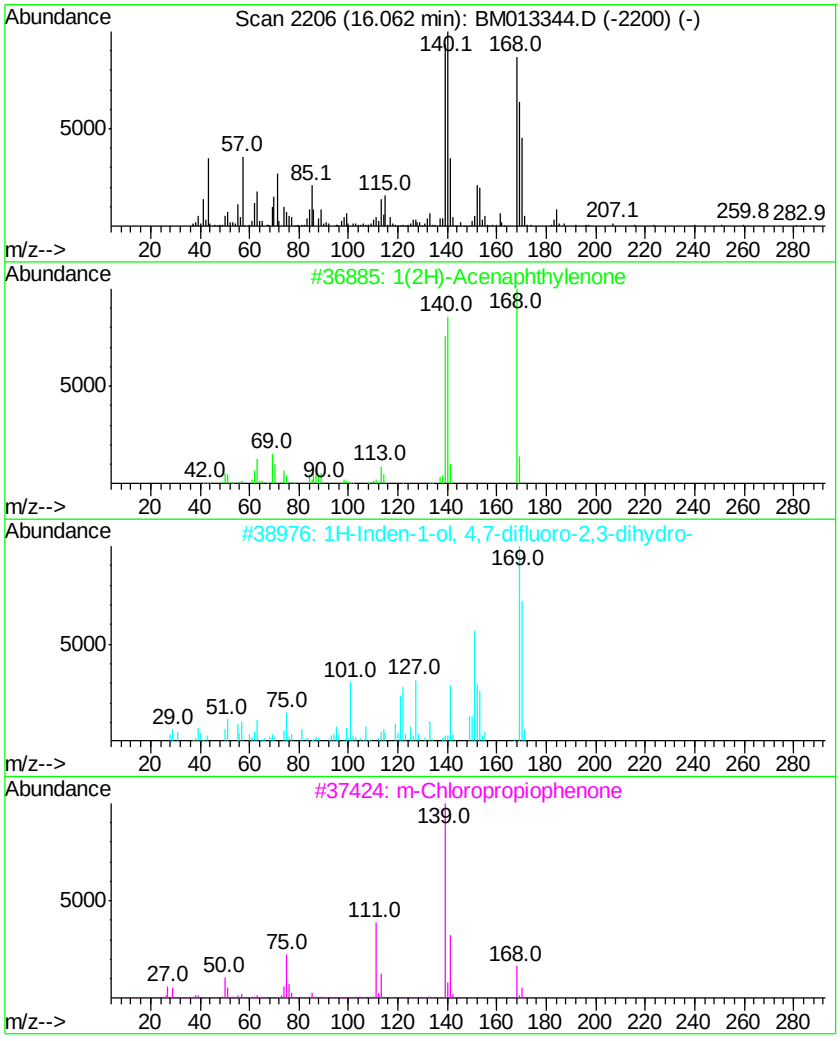
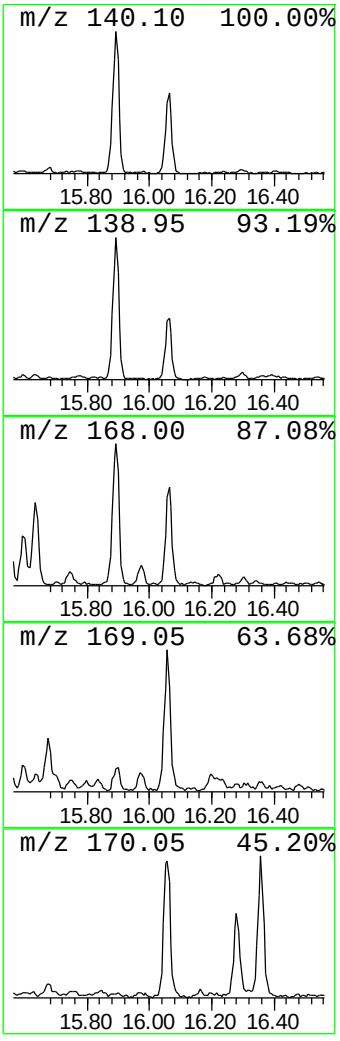
Peak Number 27 unknown-06 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	10.45 ng/ul	2078880	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	43
2	1H-Inden-1-ol, 4,7-difluoro-2,3-...	170	C9H8F2O	130408-17-2	35
3	m-Chloropropiophenone	168	C9H9ClO	034841-35-5	35
4	Pyridine, 4-(phenylmethyl)-	169	C12H11N	002116-65-6	35
5	Benzaldehyde, 3-chloro-	140	C7H5ClO	000587-04-2	27





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Misc :
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Instrument : BNA_M
ClientSampleId : F9A11

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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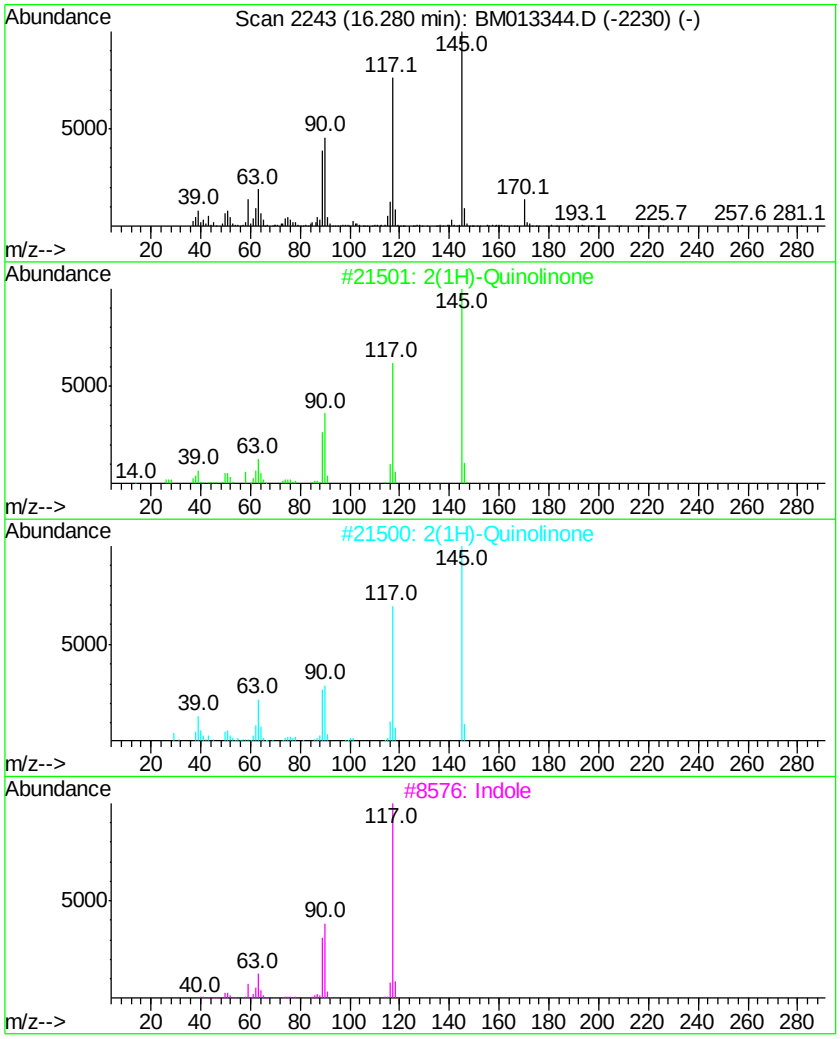
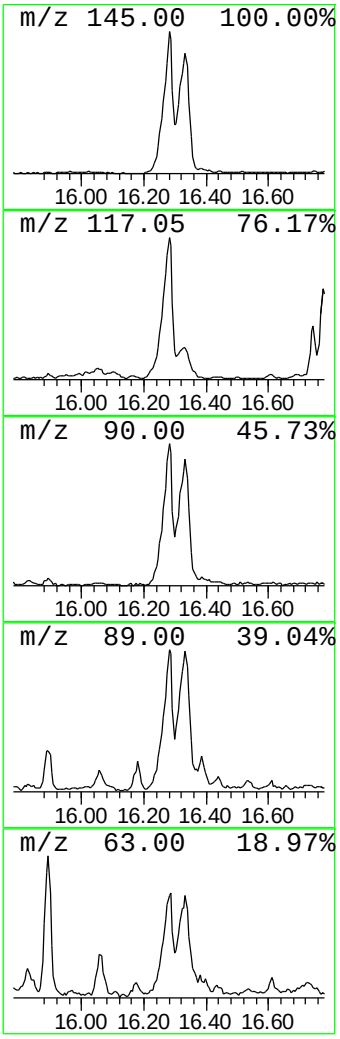
Peak Number 28 2(1H)-Quinolinone Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.28	11.93 ng/ul	2373090	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(1H)-Quinolinone	145	C9H7NO	000059-31-4	96
2	2(1H)-Quinolinone	145	C9H7NO	000059-31-4	94
3	Indole	117	C8H7N	000120-72-9	93
4	5-Quinolinol	145	C9H7NO	000578-67-6	93
5	5-Isoquinolinol	145	C9H7NO	002439-04-5	93





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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A11

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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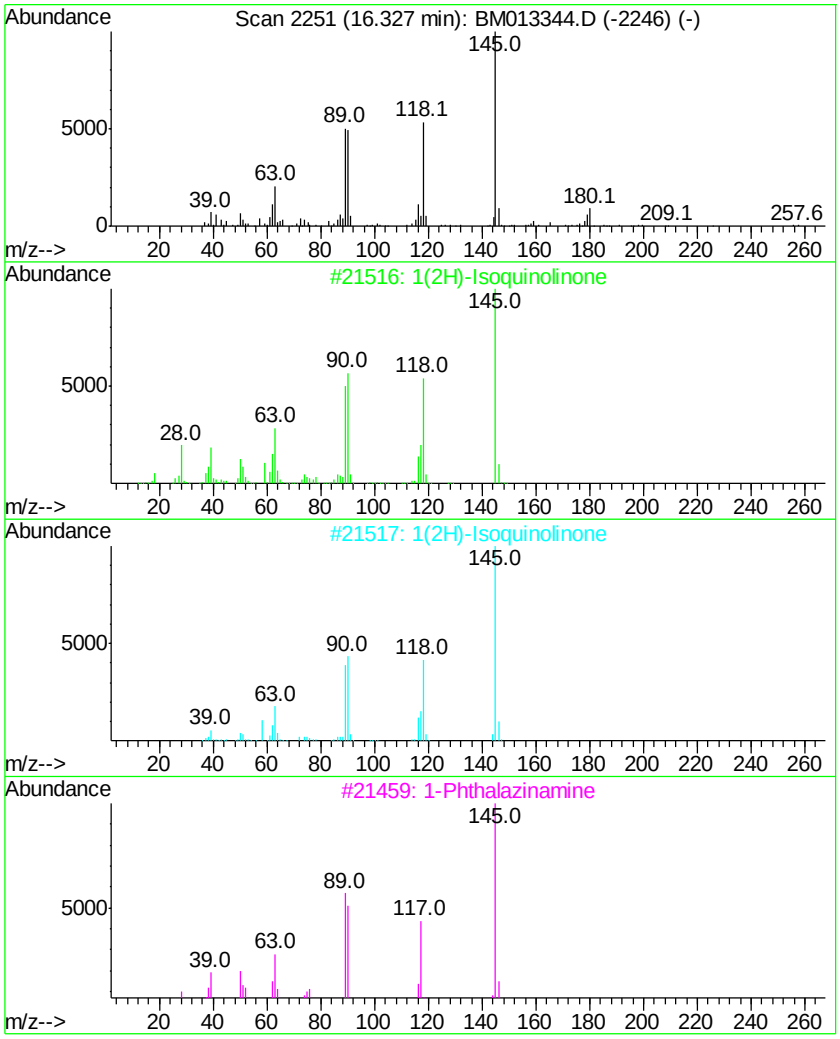
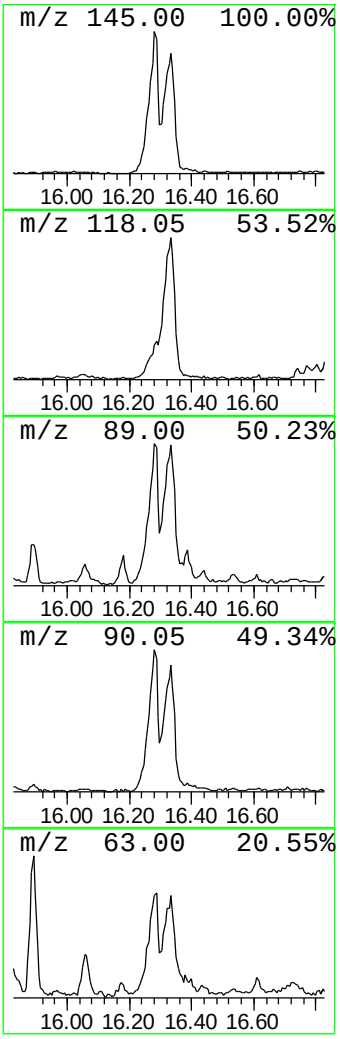
Peak Number 29 1(2H)-Isoquinolinone Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.33	11.88 ng/ul	2363430	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Isoquinolinone	145	C9H7NO	000491-30-5	93
2	1(2H)-Isoquinolinone	145	C9H7NO	000491-30-5	93
3	1-Phthalazinamine	145	C8H7N3	019064-69-8	74
4	Benzofuran	118	C8H6O	000271-89-6	60
5	4-Isoquinolinol	145	C9H7NO	003336-49-0	58





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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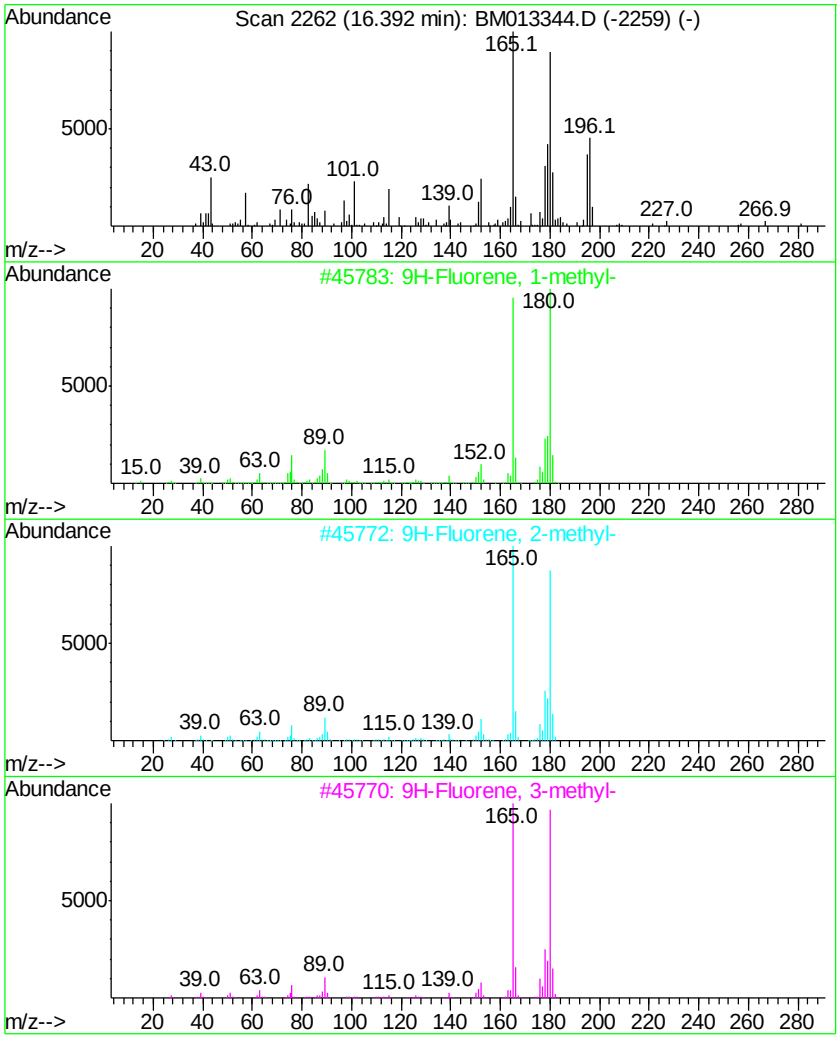
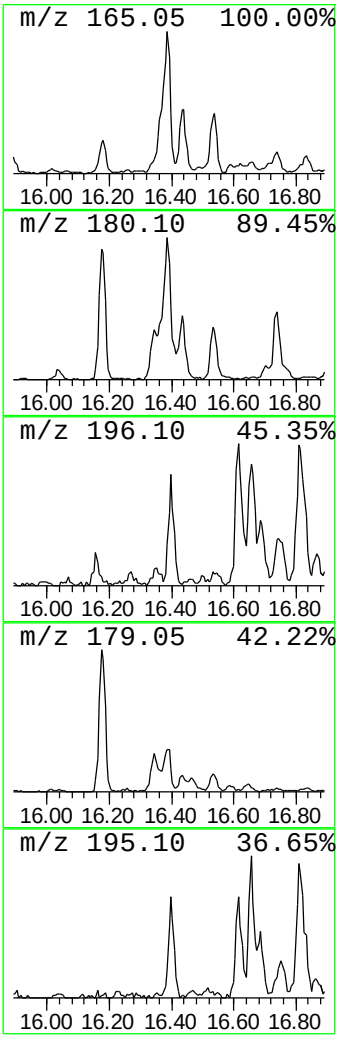
Peak Number 30 9H-Fluorene, 1-methyl- Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.39	4.21 ng/ul	836785	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	91
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	76
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	76
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	72
5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	72





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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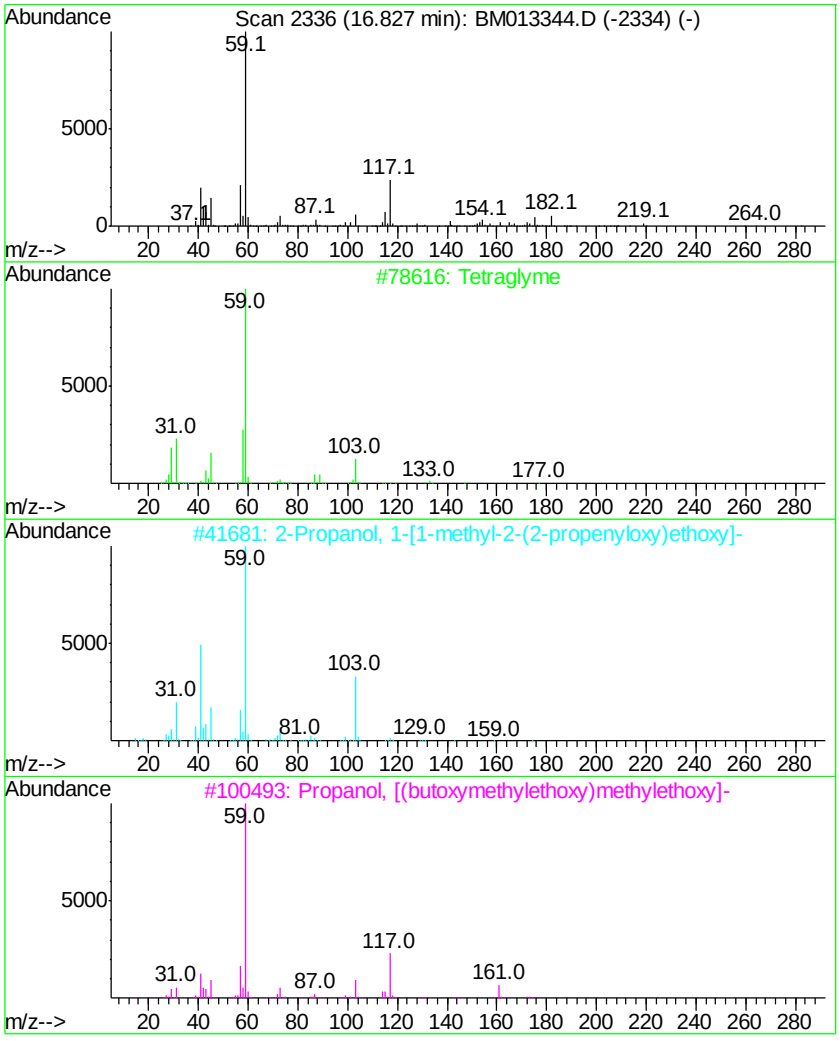
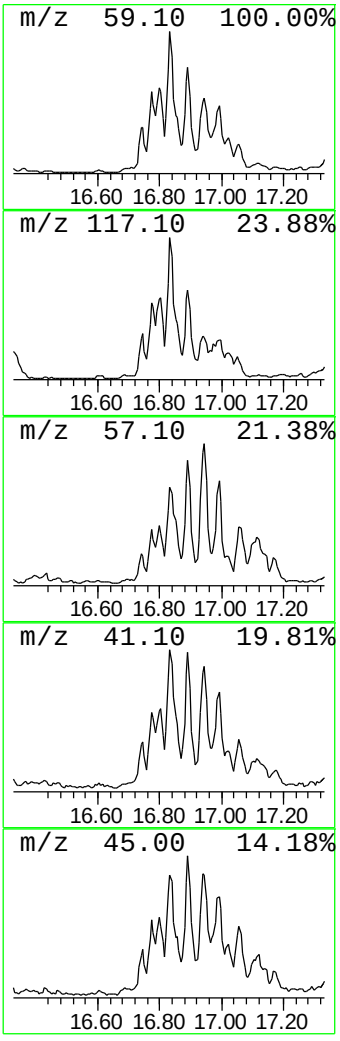
Peak Number 32 Tetraglyme Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.83	16.54 ng/ul	3289960	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetraglyme	222	C10H22O5	000143-24-8	59
2	2-Propanol, 1-[1-methyl-2-(2-pro...	174	C9H18O3	055956-25-7	59
3	Propanol, [(butoxymethylethoxy)m...	248	C13H28O4	055934-93-5	56
4	2-Propanol, 1,1'-[(1-methyl-1,2-...	192	C9H20O4	001638-16-0	53
5	Tri(propylene glycol) propyl ether	234	C12H26O4	096077-04-2	50





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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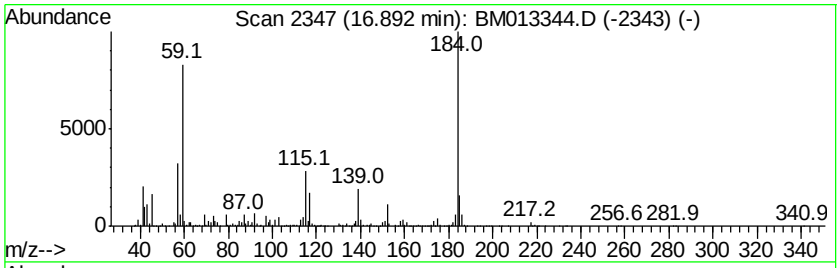
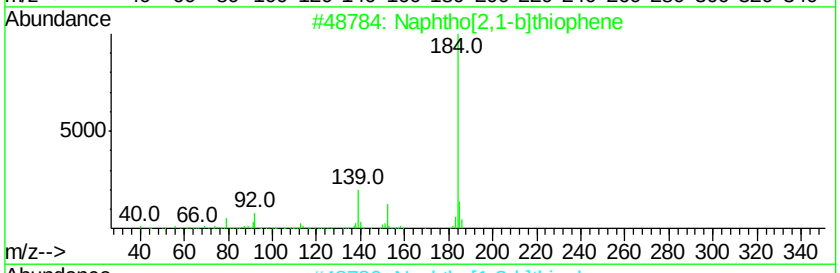
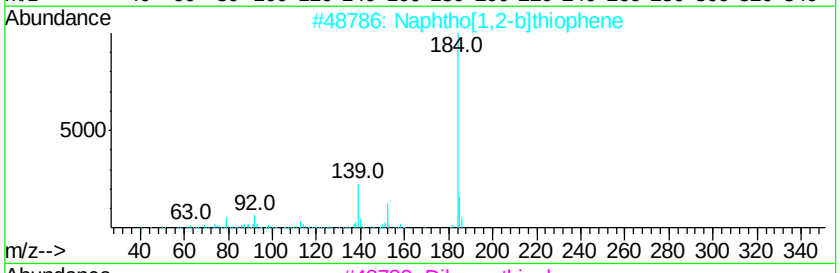
Peak Number 33 Naphtho[2,1-b]thiophene Concentration Rank 7

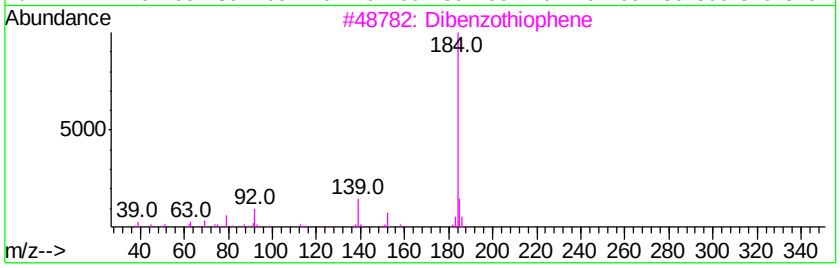
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.89	26.24 ng/ul	5219960	Phenanthrene-d10	17.09

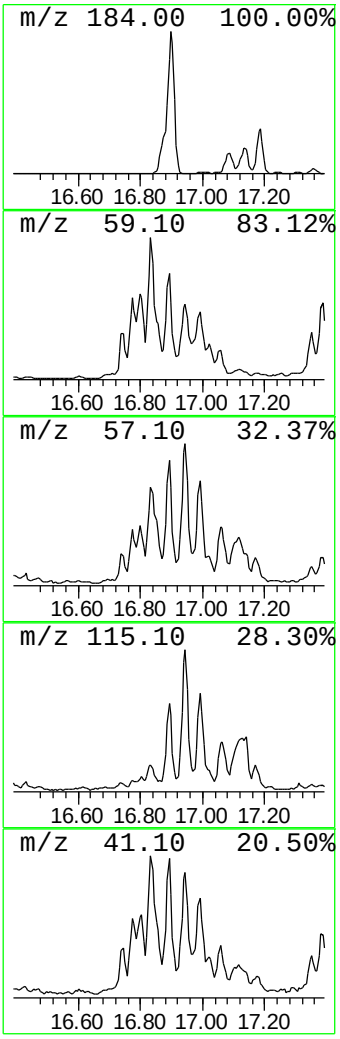
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90
3	Dibenzothiophene	184	C12H8S	000132-65-0	70
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	64
5	Dibenzothiophene	184	C12H8S	000132-65-0	55











Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\Data\BM121217\
Data File : BM013344.D
Acq On : 12 Dec 2017 18:13
Operator : SJ/JU
Sample : I6775-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A11

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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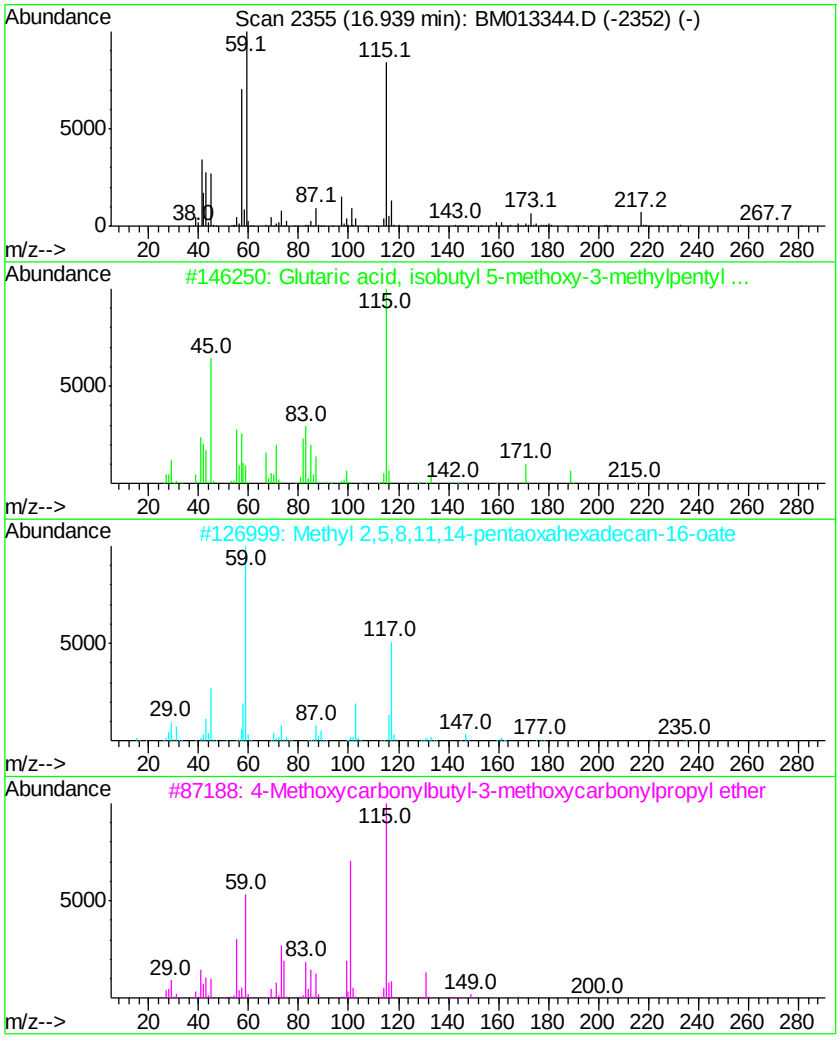
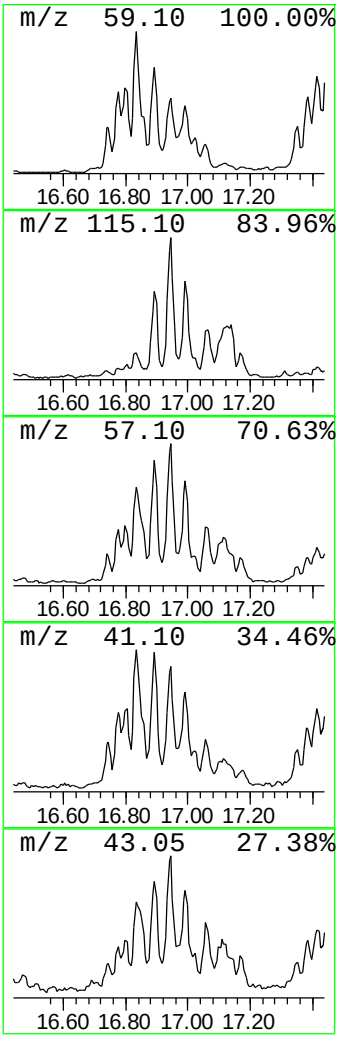
Peak Number 34 unknown-07 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.94	12.13 ng/ul	2412530	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Glutaric acid, isobutyl 5-methox...	302	C16H30O5	1000360-07-4	38
2	Methyl 2,5,8,11,14-pentaoxahexad...	280	C12H24O7	1000366-81-5	38
3	4-Methoxycarbonylbutyl-3-methoxy...	232	C11H20O5	017361-53-4	38
4	Diazene, [1-(2,2-dimethylhydrazi...	172	C8H20N4	061940-94-1	38
5	1-Propanol, 2,2'-oxybis-	134	C6H14O3	000108-61-2	35





Data Path : Z:\HPCHEM1\BNA M\Data\BM121217\
Data File : BM013344.D
Acq On : 12 Dec 2017 18:13
Operator : SJ/JU
Sample : I6775-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A11

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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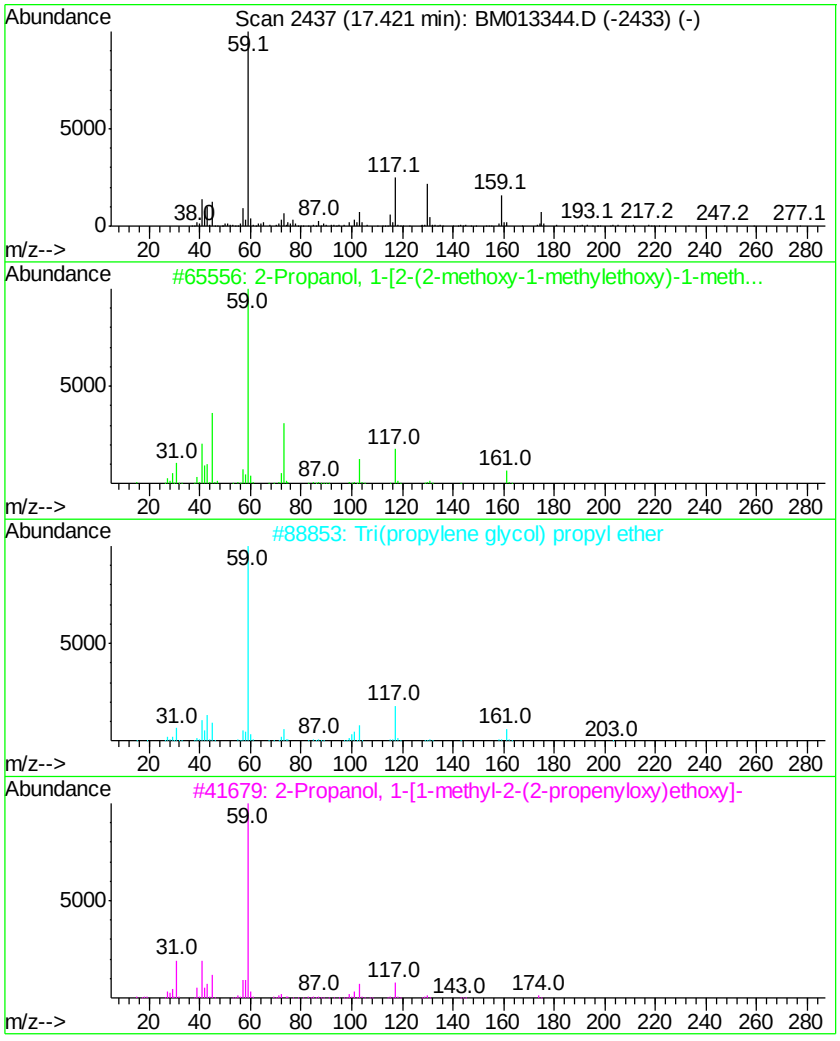
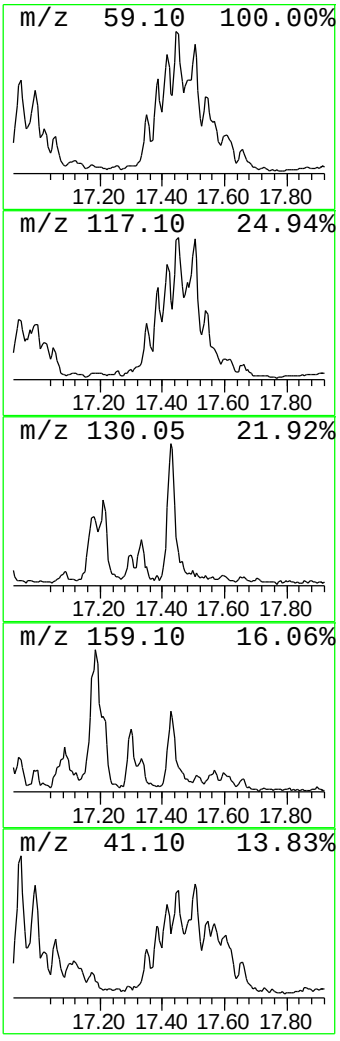
Peak Number 36 2-Propanol, 1-[2-(2-methoxy... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.42	5.57 ng/ul	1107740	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-[2-(2-methoxy-1-me...	206	C10H22O4	020324-33-8	59
2	Tri(propylene glycol) propyl ether	234	C12H26O4	096077-04-2	59
3	2-Propanol, 1-[1-methyl-2-(2-pro...	174	C9H18O3	055956-25-7	58
4	2-Butanol, 3-methoxy-	104	C5H12O2	053778-72-6	50
5	Butanamide, 3-methyl-	101	C5H11NO	000541-46-8	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\Data\BM121217\
Data File : BM013344.D
Acq On : 12 Dec 2017 18:13
Operator : SJ/JU
Sample : I6775-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A11

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Propanol, 1-but...	6.35	22.3	ng/ul	1314570	1	7.69	1180710	20.0
1-Propanol, 2-(2-...	7.90	17.3	ng/ul	1022240	1	7.69	1180710	20.0
2-Propanol, 1-(2-...	7.96	18.9	ng/ul	1115070	1	7.69	1180710	20.0
Isoquinoline	11.30	110.4	ng/ul	8099800	2	10.47	1467640	20.0
1-Propanol, 2,2'-...	11.34	16.5	ng/ul	1207770	2	10.47	1467640	20.0
unknown-01	11.59	19.4	ng/ul	1420580	2	10.47	1467640	20.0
Quinoline	11.65	20.5	ng/ul	1507050	2	10.47	1467640	20.0
2-Propanol, 1-met...	12.22	13.6	ng/ul	996653	2	10.47	1467640	20.0
Quinoline, 2-methyl-	12.27	288.9	ng/ul	21198200	2	10.47	1467640	20.0
Naphthalene, 1-me...	12.36	107.1	ng/ul	7856040	2	10.47	1467640	20.0
unknown-02	12.47	19.1	ng/ul	2472930	3	14.33	2593020	20.0
Isoquinoline, 3-m...	12.55	7.0	ng/ul	906114	3	14.33	2593020	20.0
Quinoline, 8-methyl-	12.87	25.8	ng/ul	3344650	3	14.33	2593020	20.0
Naphthalene, 2,6-...	13.64	20.1	ng/ul	2610010	3	14.33	2593020	20.0
2-Naphthalenecarb...	14.46	27.8	ng/ul	3601740	3	14.33	2593020	20.0
unknown-03	14.65	27.1	ng/ul	3515370	3	14.33	2593020	20.0
unknown-04	14.83	10.7	ng/ul	1390270	3	14.33	2593020	20.0
Indene	14.95	12.7	ng/ul	1648860	3	14.33	2593020	20.0
Propanol, [(butox...	15.22	12.6	ng/ul	1635490	3	14.33	2593020	20.0
unknown-05	15.54	7.2	ng/ul	934895	3	14.33	2593020	20.0
[1,1'-Biphenyl]-4...	15.82	4.4	ng/ul	878197	4	17.09	3978630	20.0
5H-Indeno[1,2-b]p...	15.89	15.2	ng/ul	3023870	4	17.09	3978630	20.0
unknown-06	16.06	10.4	ng/ul	2078880	4	17.09	3978630	20.0
2(1H)-Quinolinone	16.28	11.9	ng/ul	2373090	4	17.09	3978630	20.0
1(2H)-Isoquinolinone	16.33	11.9	ng/ul	2363430	4	17.09	3978630	20.0
9H-Fluorene, 1-me...	16.39	4.2	ng/ul	836785	4	17.09	3978630	20.0
Tetraglyme	16.83	16.5	ng/ul	3289960	4	17.09	3978630	20.0
Naphtho[2,1-b]thi...	16.89	26.2	ng/ul	5219960	4	17.09	3978630	20.0
unknown-07	16.94	12.1	ng/ul	2412530	4	17.09	3978630	20.0
2-Propanol, 1-[2-...	17.42	5.6	ng/ul	1107740	4	17.09	3978630	20.0