LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091920\
Data File : BM027476.D
Acq On : 18 Sep 2020 23:51
Operator : JU/CG
Sample : L4046-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BG0Q2

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090420MA.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	3.763	128	132	139	rVB	97179	129462	2.38%	0.190%
2	4.193	199	205	215	rVB	181753	284526	5.23%	0.418%
3	4.858	312	318	331	rVB	1005211	1410066	25.91%	2.071%
4	4.993	336	341	347	rVV2	117963	168171	3.09%	0.247%
5	5.193	369	375	381	rVV2	144610	245964	4.52%	0.361%
6	5.463	411	421	427	rBV2	68201	112598	2.07%	0.165%
7	5.810	472	480	488	rBV3	64775	143796	2.64%	0.211%
8	6.016	505	515	519	rBV2	117993	286369	5.26%	0.421%
9	6.199	538	546	550	rBV	82724	135215	2.48%	0.199%
10	6.240	550	553	558	rVV	104807	149803	2.75%	0.220%
11	6.499	589	597	602	rBV	66934	119891	2.20%	0.176%
12	6.687	620	629	642	rBV2	195981	461744	8.49%	0.678%
13	6.846	650	656	662	rBV	522509	796184	14.63%	1.170%
14	6.934	668	671	678	rVB	119874	173905	3.20%	0.255%
15	7.040	682	689	697	rBV2	759062	1226514	22.54%	1.802%
16	7.163	705	710	717	rVB3	70036	122429	2.25%	0.180%
17	7.499	758	767	771	rBV	643953	1057400	19.43%	1.553%
18	7.616	783	787	793	rVB2	68156	109339	2.01%	0.161%
19	7.869	821	830	835	rBV	141082	247938	4.56%	0.364%
20	8.210	883	888	896	rVB	524553	820352	15.08%	1.205%
21	8.475	926	933	940	rBV7	55044	134347	2.47%	0.197%
22	8.598	947	954	957	rBV2	127890	247114	4.54%	0.363%
23	8.640	957	961	971	rVV	636450	1042882	19.16%	1.532%
24	8.734	971	977	987	rVB6	78384	205306	3.77%	0.302%
25	8.822	987	992	1002	rBV	171282	319872	5.88%	0.470%
26	9.004	1016	1023	1028	rBV5	81512	158505	2.91%	0.233%
27	9.128	1038	1044	1049	rBV3	120471	209541	3.85%	0.308%
28	9.357	1077	1083	1096	rVB	606777	1037604	19.07%	1.524%
29	9.540	1108	1114	1129	rVB3	164715	382513	7.03%	0.562%
30	9.693	1129	1140	1148	rBV7	72144	186369	3.42%	0.274%
31	9.822	1155	1162	1167	rVB	136461	270054	4.96%	0.397%
32	9.898	1167	1175	1183	rBV2	1027699	1679707	30.87%	2.468%
33	9.987	1184	1190	1192	rVV5	42507	97484	1.79%	0.143%
34	10.092	1204	1208	1216	rVV	72343	120461	2.21%	0.177%

LSC Area Percent Report

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Operator : JU/CG
Sample : L4046-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BG0Q2

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090420MA.M
Title : SVOA CALIBRATION

35	10.263	1231	1237	1242	rVV	832111	1350433	24.82%	1.984%
36	10.322	1242	1247	1250	rVV4	95571	210276	3.86%	0.309%
37	10.357	1250	1253	1256	rVV4	81625	135221	2.48%	0.199%
38	10.404	1256	1261	1273	rVB	894171	1634221	30.03%	2.401%
39	10.663	1300	1305	1313	rVB5	45071	111350	2.05%	0.164%
40	11.075	1369	1375	1385	rBV10	50250	184781	3.40%	0.271%
41	11.298	1410	1413	1424	rVB4	48702	114593	2.11%	0.168%
42	11.634	1460	1470	1477	rBV	3400226	5441778	100.00%	7.994%
43	12.116	1549	1552	1557	rVB3	63578	93876	1.73%	0.138%
44	12.192	1557	1565	1571	rVB	99048	173523	3.19%	0.255%
45	12.392	1595	1599	1606	rVB2	90830	164997	3.03%	0.242%
46	12.698	1646	1651	1659	rVB	724709	971029	17.84%	1.426%
47	12.875	1675	1681	1687	rVV8	40321	91390	1.68%	0.134%
48	12.945	1687	1693	1699	rVV4	66915	155789	2.86%	0.229%
49	13.004	1699	1703	1709	rVB4	78073	147207	2.71%	0.216%
50	13.069	1709	1714	1726	rBV3	99258	230865	4.24%	0.339%
51	13.281	1745	1750	1756	rBV5	82710	197914	3.64%	0.291%
52	13.428	1771	1775	1781	rVB3	58057	120757	2.22%	0.177%
53	13.569	1793	1799	1804	rVV	1724913	2386176	43.85%	3.505%
54	13.622	1804	1808	1811	rVB2	79980	110315	2.03%	0.162%
55	13.757	1827	1831	1834	rBV3	68504	91899	1.69%	0.135%
56	13.833	1838	1844	1853	rVB	1968415	2842455	52.23%	4.176%
57	13.980	1863	1869	1878	rVB2	151564	281708	5.18%	0.414%
58	14.075	1881	1885	1891	rVB6	67076	106802	1.96%	0.157%
59	14.145	1891	1897	1902	rBV	1341169	1944930	35.74%	2.857%
60	14.198	1902	1906	1913	rVB2	184899	263765	4.85%	0.387%
61	14.386	1933	1938	1947	rVB6	89597	197856	3.64%	0.291%
62	14.698	1987	1991	1995	rVB2	71490	97123	1.78%	0.143%
63	14.910	2021	2027	2033	rBV	899613	1227796	22.56%	1.804%
64	15.022	2042	2046	2048	rBV	68880	99428	1.83%	0.146%
65	15.057	2048	2052	2059	rVV3	155780	294159	5.41%	0.432%
66	15.145	2062	2067	2075	rVB	2400393	3298636	60.62%	4.846%
67	15.275	2084	2089	2096	rBV	686206	950458	17.47%	1.396%
68	15.404	2105	2111	2116	rVB	500520	644672	11.85%	0.947%
69	15.669	2150	2156	2165	rBV	1272149	1806315	33.19%	2.654%
70	15.857	2180	2188	2192	rBV	1490587	2519074	46.29%	3.701%
71	15.910	2192	2197	2204	rVB5	113350	288376	5.30%	0.424%

LSC Area Percent Report

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Acq On : 18 Sep 2020 23:51
Operator : JU/CG
Sample : L4046-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BG0Q2

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090420MA.M
Title : SVOA CALIBRATION

72	16.051	2217	2221	2233	rVB	213724	324446	5.96%	0.477%
73	16.180	2238	2243	2248	rBV2	824933	1241881	22.82%	1.824%
74	16.433	2282	2286	2296	rVB2	127883	224015	4.12%	0.329%
75	16.710	2330	2333	2339	rVB2	63414	107373	1.97%	0.158%
76	16.769	2339	2343	2348	rBV	70122	93618	1.72%	0.138%
77	16.892	2358	2364	2370	rBV	1433340	2044776	37.58%	3.004%
78	16.992	2375	2381	2390	rBV	2488346	3438598	63.19%	5.051%
79	17.516	2466	2470	2477	rBV3	339770	517699	9.51%	0.761%
80	17.586	2477	2482	2494	rVB	552092	814848	14.97%	1.197%
81	17.821	2518	2522	2526	rBV2	156970	231105	4.25%	0.340%
82	17.863	2526	2529	2533	rVB	91424	117246	2.15%	0.172%
83	18.092	2564	2568	2574	rVB	67590	100290	1.84%	0.147%
84	18.251	2591	2595	2600	rBV	161840	193266	3.55%	0.284%
85	18.898	2701	2705	2708	rBV	66857	92939	1.71%	0.137%
86	19.051	2728	2731	2736	rVB	132148	163030	3.00%	0.239%
87	19.298	2767	2773	2779	rBV	2613411	3632598	66.75%	5.336%
88	19.362	2779	2784	2790	rVB	561951	764891	14.06%	1.124%
89	19.521	2808	2811	2815	rBV	116482	135979	2.50%	0.200%
90	19.604	2821	2825	2836	rVB	246130	354336	6.51%	0.521%
91	19.762	2849	2852	2856	rVB	92634	105551	1.94%	0.155%
92	19.810	2857	2860	2864	rVV4	76741	90729	1.67%	0.133%
93	20.045	2897	2900	2907	rVB2	128840	155584	2.86%	0.229%
94	20.368	2951	2955	2959	rBV	251899	282014	5.18%	0.414%
95	20.839	3032	3035	3039	rBV3	130510	161059	2.96%	0.237%
96	21.098	3074	3079	3084	rVB	1500865	1873952	34.44%	2.753%
97	21.227	3098	3101	3106	rVB	138341	154726	2.84%	0.227%
98	22.127	3251	3254	3263	rVB2	269643	419275	7.70%	0.616%
99	23.103	3414	3420	3428	rVB	1813475	3061975	56.27%	4.498%
100	23.233	3437	3442	3456	rVB	1054246	1898926	34.90%	2.790%

Sum of corrected areas: 68072093

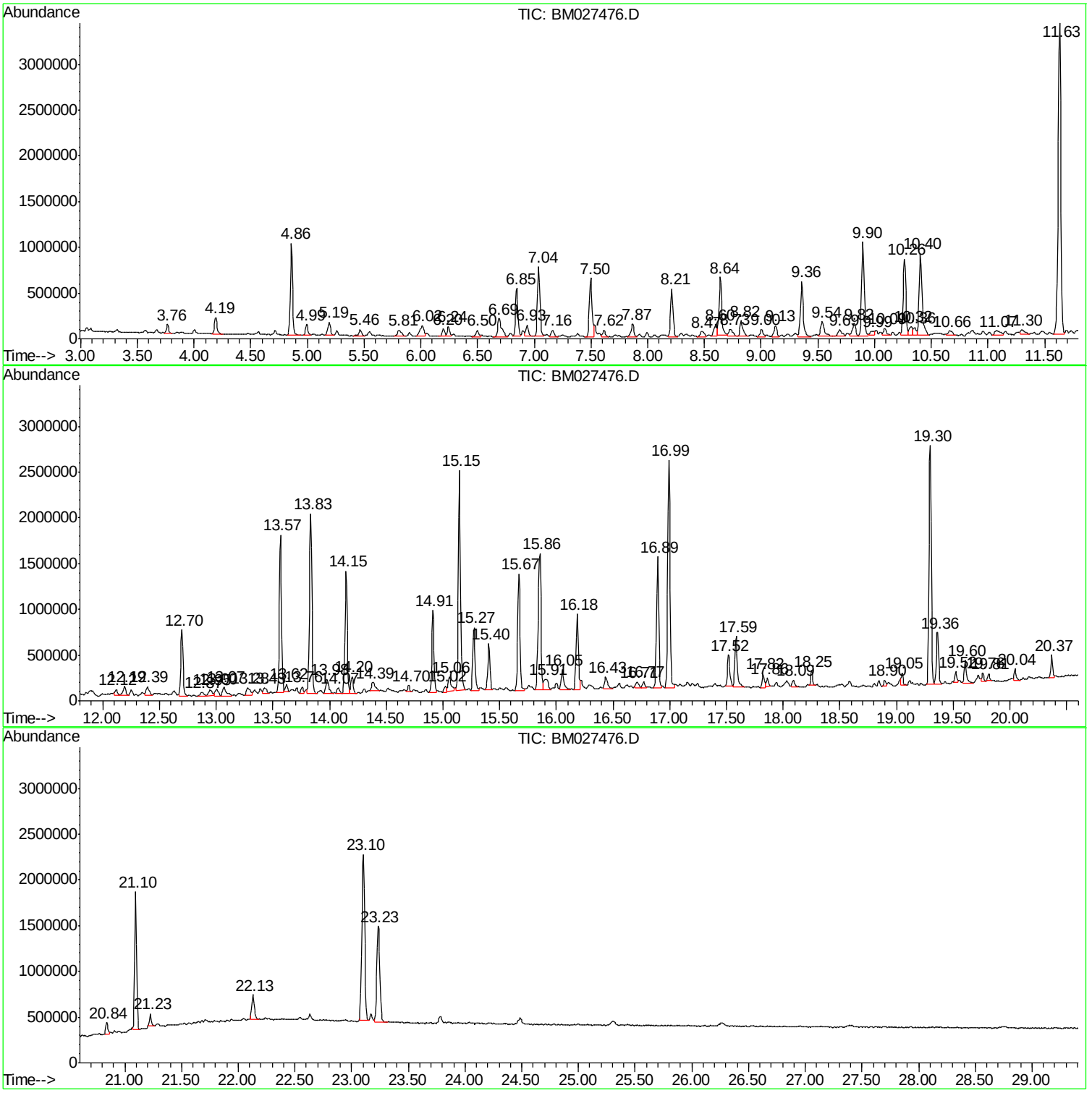
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091920\
Data File : BM027476.D
Acq On : 18 Sep 2020 23:51
Operator : JU/CG
Sample : L4046-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BG0Q2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090420MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091920\
Data File : BM027476.D
Acq On : 18 Sep 2020 23:51
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Misc :
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Instrument : BNA_M
ClientSampleId : BG0Q2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090420MA.M
Quant Title : SVOA CALIBRATION

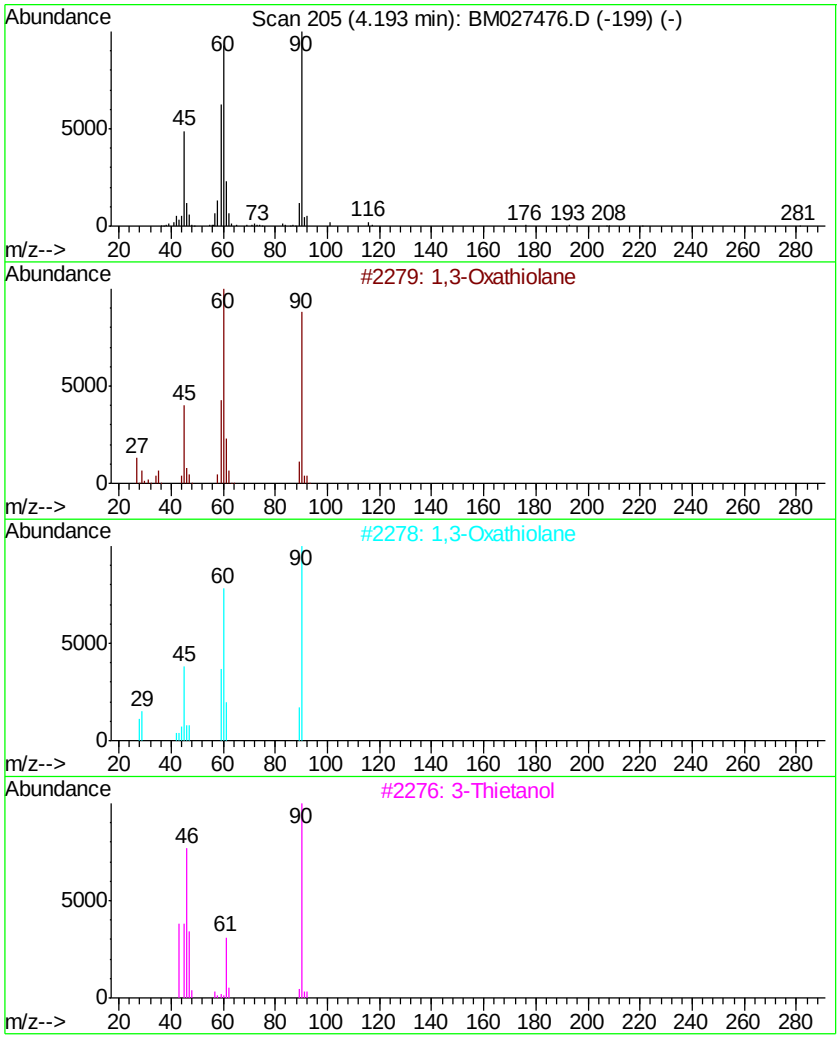
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

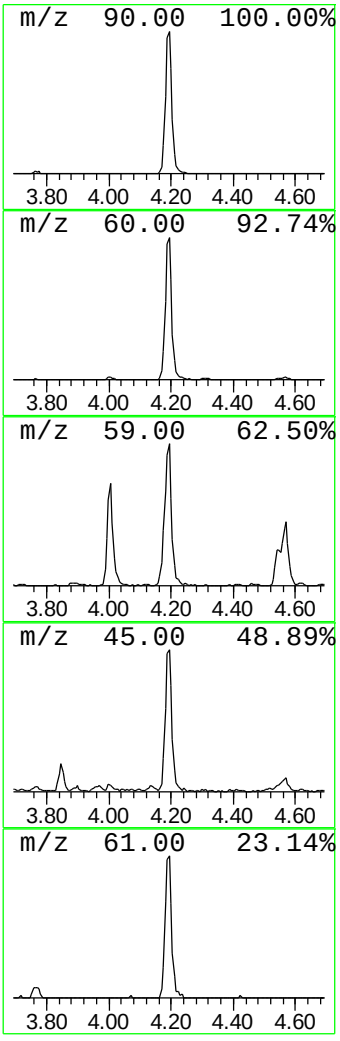
****

Peak Number 2 1,3-Oxathiolane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.19	5.38 ng/ul	284526	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Oxathiolane	90	C3H6OS	002094-97-5	94
2	1,3-Oxathiolane	90	C3H6OS	002094-97-5	86
3	3-Thietanol	90	C3H6OS	010304-16-2	53
4	Thiourea, methyl-	90	C2H6N2S	000598-52-7	50
5	Thiourea, methyl-	90	C2H6N2S	000598-52-7	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091920\
Data File : BM027476.D
Acq On : 18 Sep 2020 23:51
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Sample : L4046-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BG0Q2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090420MA.M
Quant Title : SVOA CALIBRATION

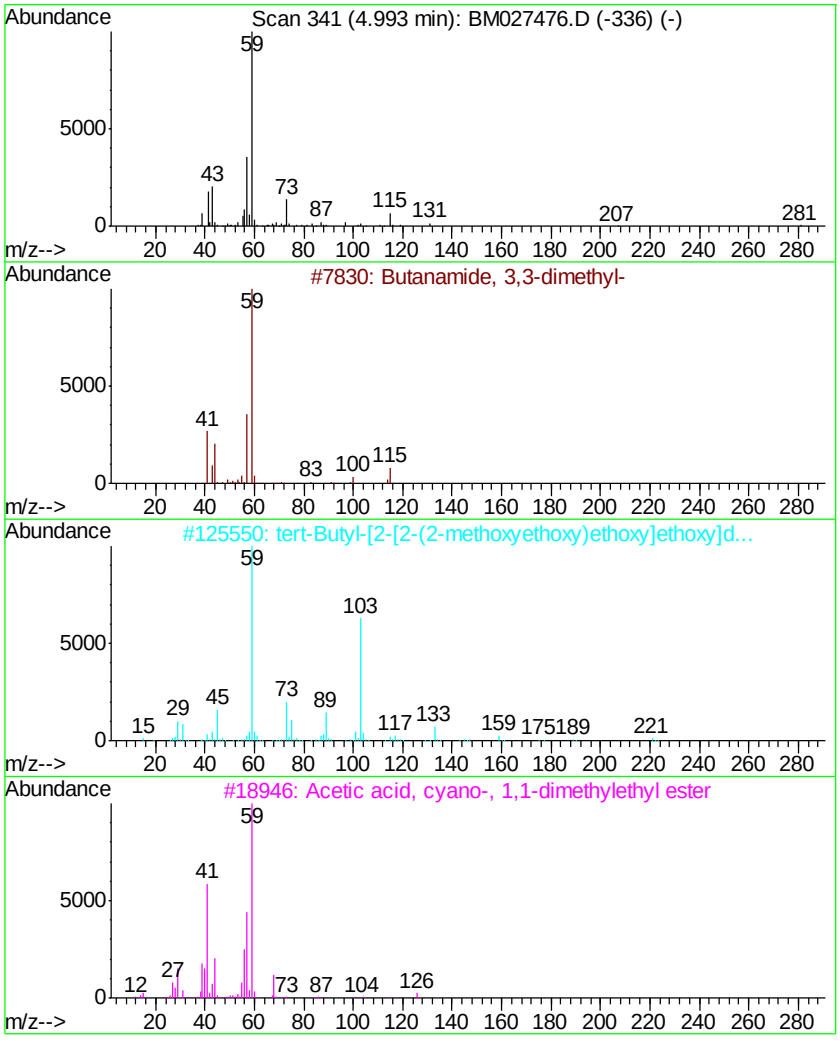
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

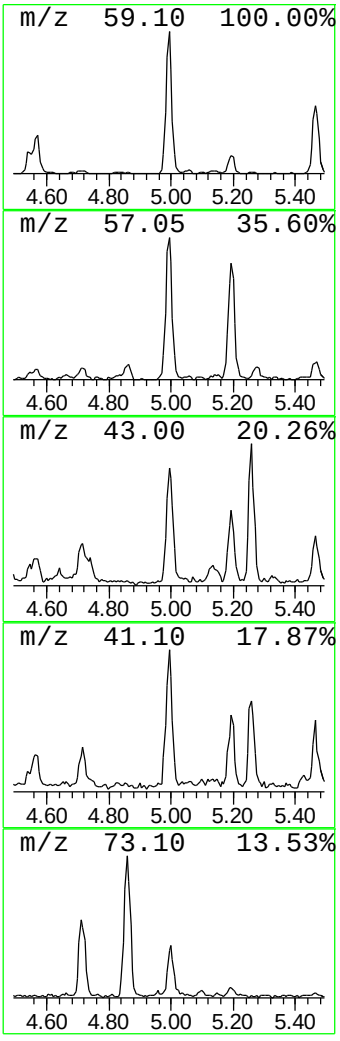
****

Peak Number 4 Butanamide, 3,3-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.99	3.18 ng/ul	168171	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanamide, 3,3-dimethyl-	115	C6H13NO	000926-04-5	72
2	tert-Butyl-[2-[2-(2-methoxyethox...	278	C13H30O4Si	1000352-09-5	56
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	53
4	Butanamide	87	C4H9NO	000541-35-5	45
5	2-Hexanol, methyl ether	116	C7H16O	1000333-92-0	42





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ClientSampleId : BG0Q2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090420MA.M
Quant Title : SVOA CALIBRATION

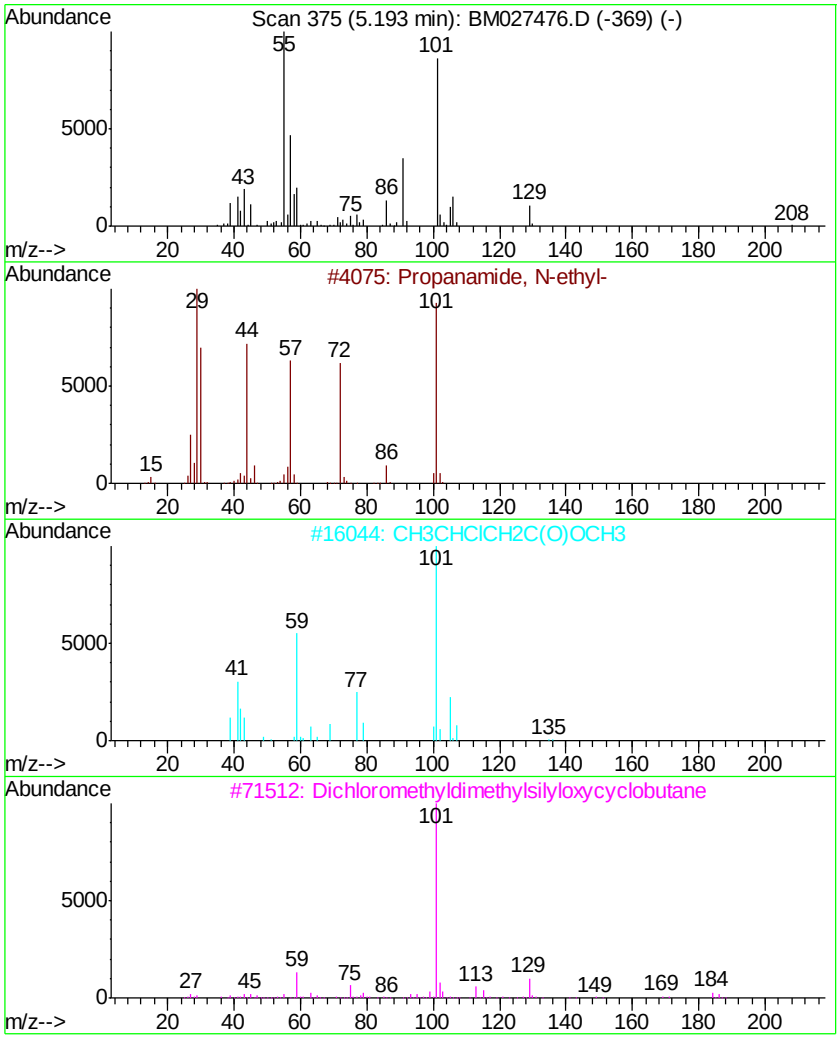
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

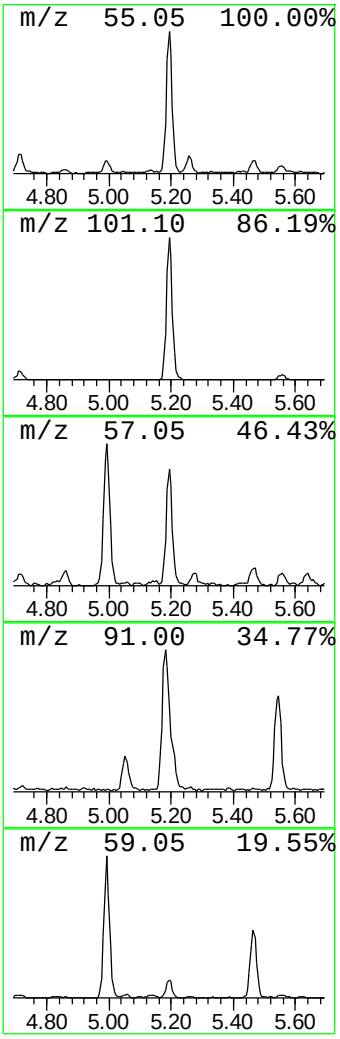
****

Peak Number 5 unknown-01 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.19	4.65 ng/ul	245964	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanamide, N-ethyl-	101	C5H11NO	005129-72-6	43
2	CH3CHClCH2C(O)OCH3	136	C5H9ClO2	000817-76-5	37
3	Dichloromethyldimethylsilyloxycy...	212	C7H14Cl2OSi	1000283-10-2	37
4	Succinic acid, 2,4-dimethylpent-...	272	C15H28O4	1000349-29-9	32
5	Succinic acid, isobutyl pent-4-e...	242	C13H22O4	1000353-36-9	32





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Instrument : BNA_M
ClientSampleId : BG0Q2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090420MA.M
Quant Title : SVOA CALIBRATION

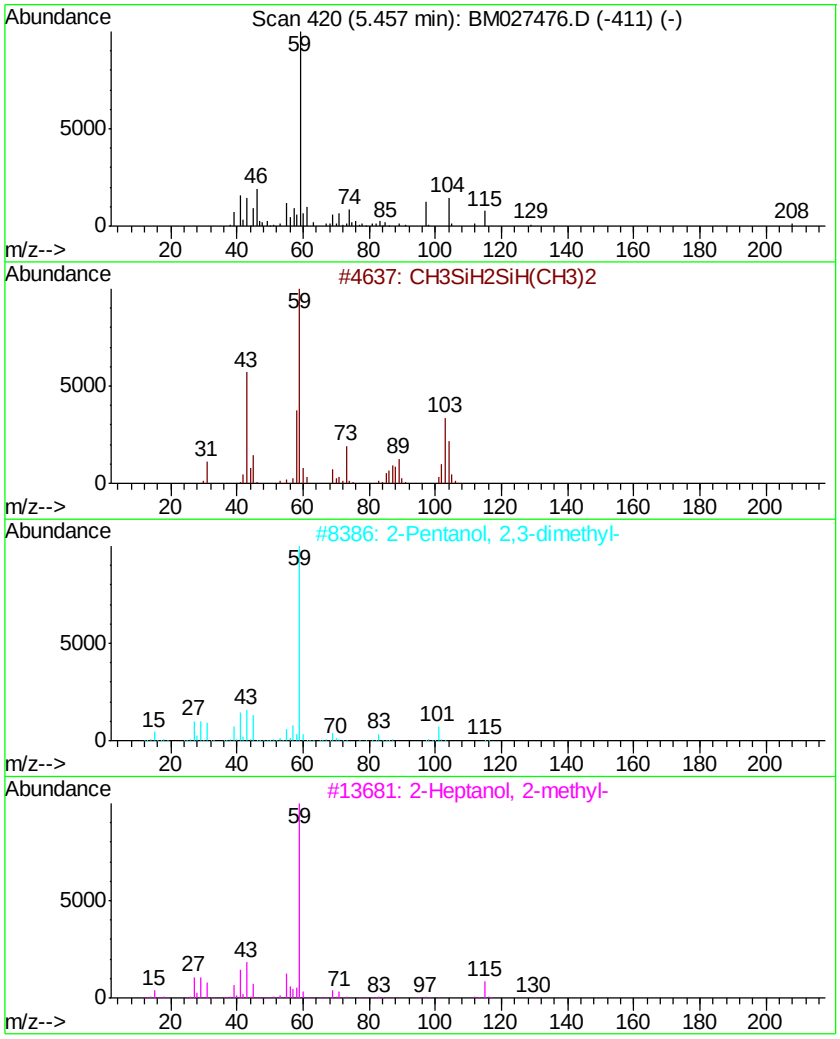
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

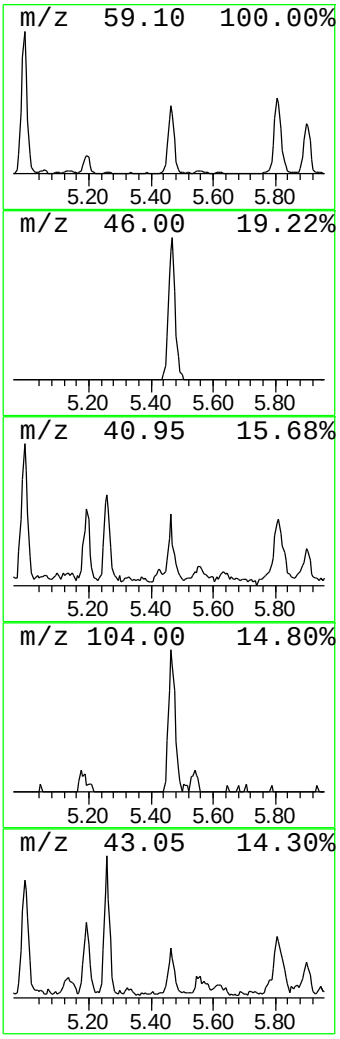
****

Peak Number 6 CH3SiH2SiH(CH3)2 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.46	2.13 ng/ul	112598	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	CH3SiH2SiH(CH3)2	104	C3H12Si2	000814-74-4	53
2	2-Pentanol, 2,3-dimethyl-	116	C7H16O	004911-70-0	50
3	2-Heptanol, 2-methyl-	130	C8H18O	000625-25-2	47
4	2-Hexanol, 2,3-dimethyl-	130	C8H18O	019550-03-9	47
5	2-Octanol, 2,6-dimethyl-	158	C10H22O	018479-57-7	43





Library Search Compound Report

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Acq On : 18 Sep 2020 23:51
Operator : JU/CG
Sample : L4046-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BG0Q2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090420MA.M
Quant Title : SVOA CALIBRATION

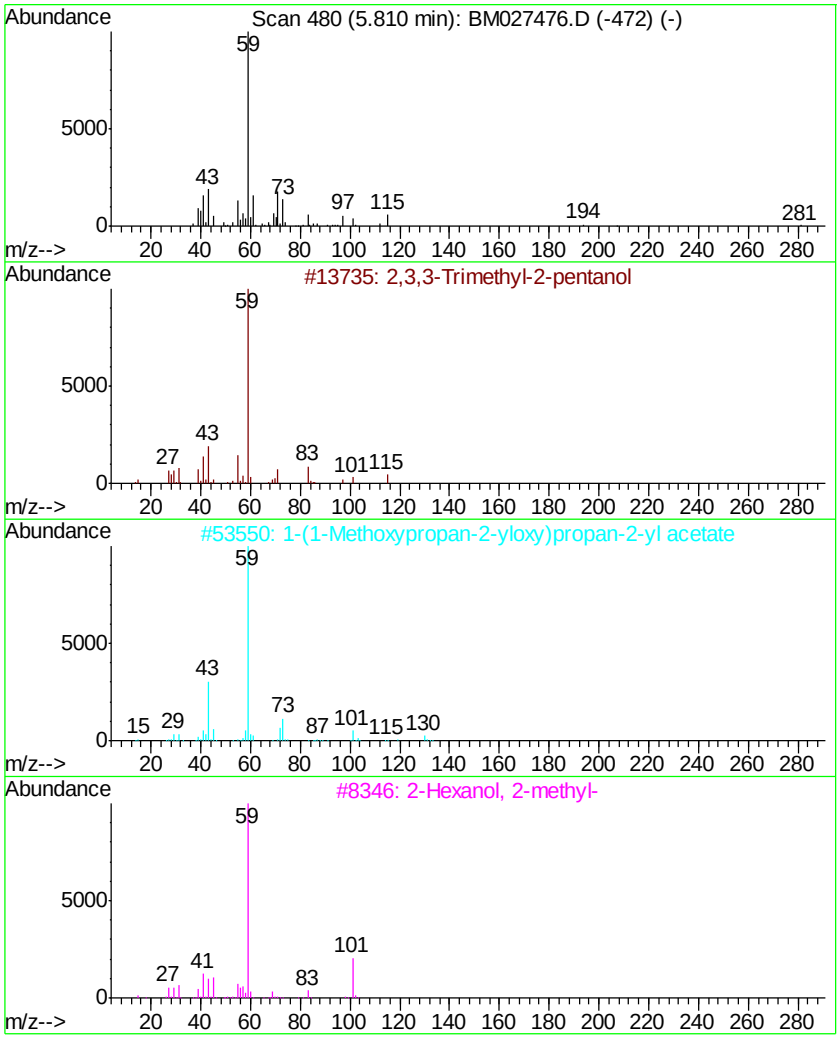
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

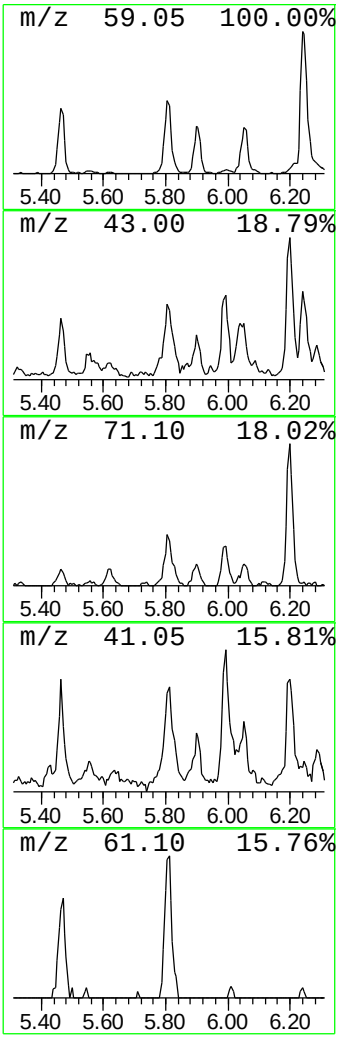
****

Peak Number 7 2,3,3-Trimethyl-2-pentanol Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.81	2.72 ng/ul	143796	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,3-Trimethyl-2-pentanol	130	C8H18O	023171-85-9	64
2	1-(1-Methoxypropan-2-yloxy)propa...	190	C9H18O4	1000367-08-6	59
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	50
4	2-Decanol, methyl ether	172	C11H24O	1000333-83-9	50
5	2-Hydroxy-2,5-dimethyl-hept-6-en...	156	C9H16O2	1000192-55-8	50





Library Search Compound Report

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Operator : JU/CG
Sample : L4046-16
Misc :
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Instrument : BNA_M
ClientSampleId : BG0Q2

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Quant Title : SVOA CALIBRATION

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

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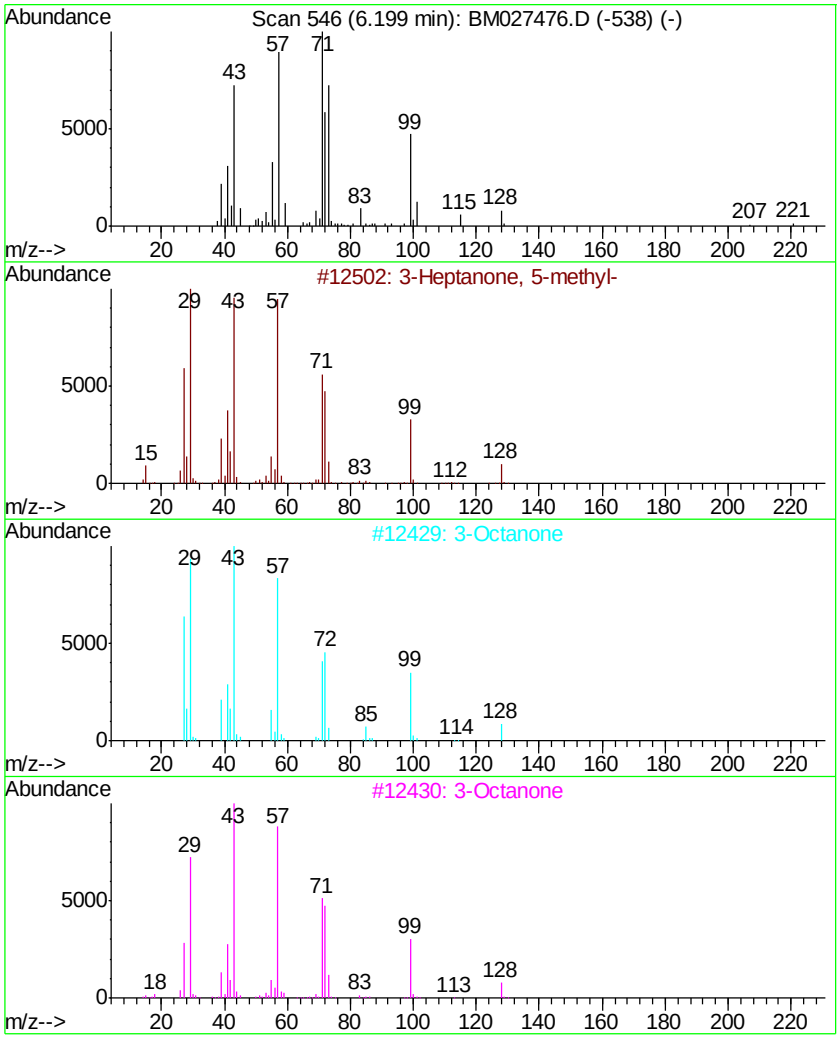
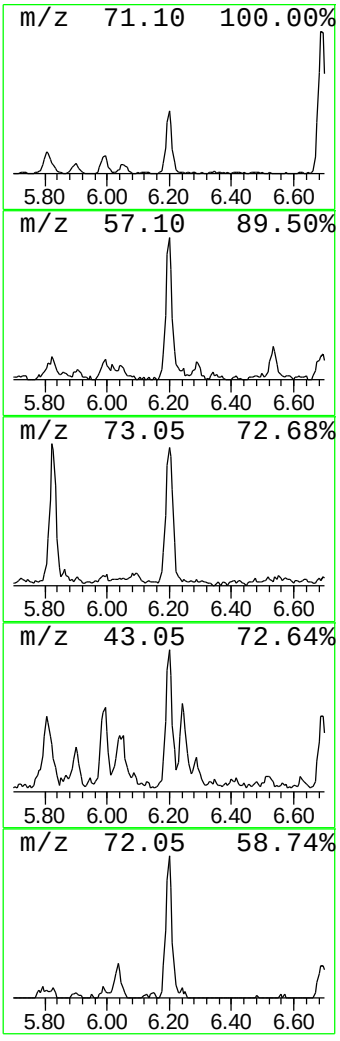
Peak Number 9 3-Heptanone, 5-methyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.20	2.56 ng/ul	135215	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Heptanone, 5-methyl-	128	C8H16O	000541-85-5	53
2	3-Octanone	128	C8H16O	000106-68-3	50
3	3-Octanone	128	C8H16O	000106-68-3	47
4	3-Octanone	128	C8H16O	000106-68-3	46
5	3,6-Dimethyl-4-octanone	156	C10H20O	034645-03-9	45





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Instrument : BNA_M
ClientSampleId : BG0Q2

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Quant Title : SVOA CALIBRATION

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

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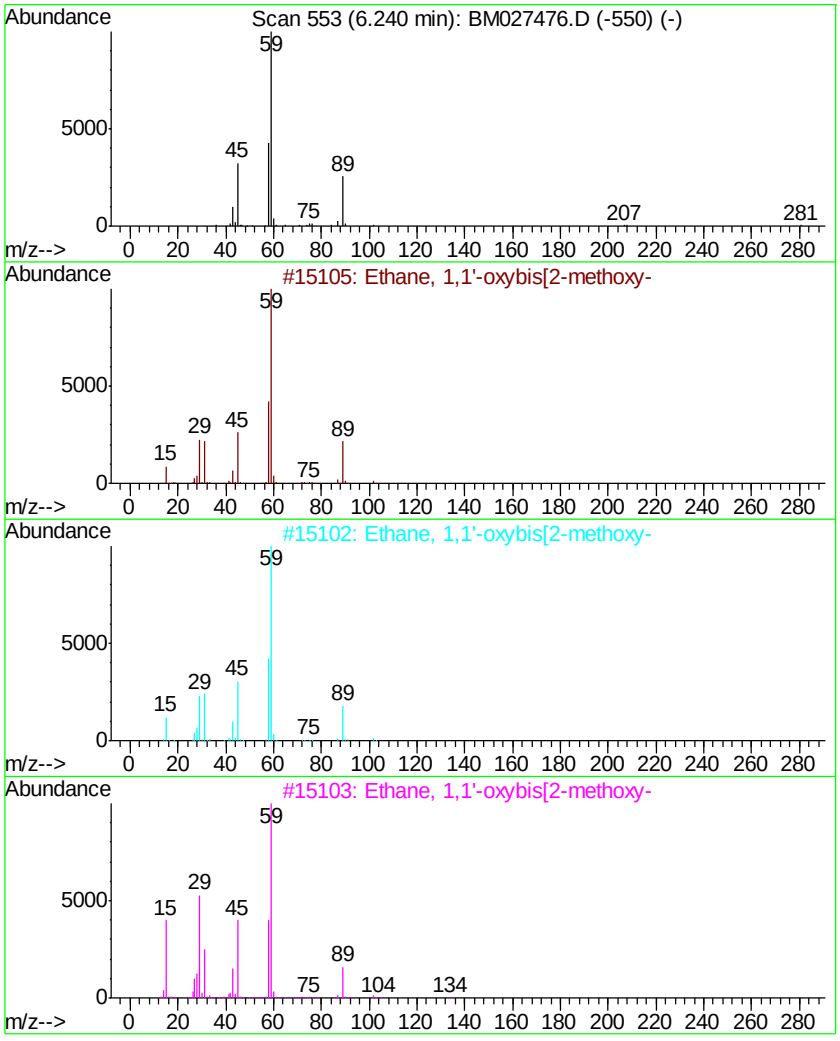
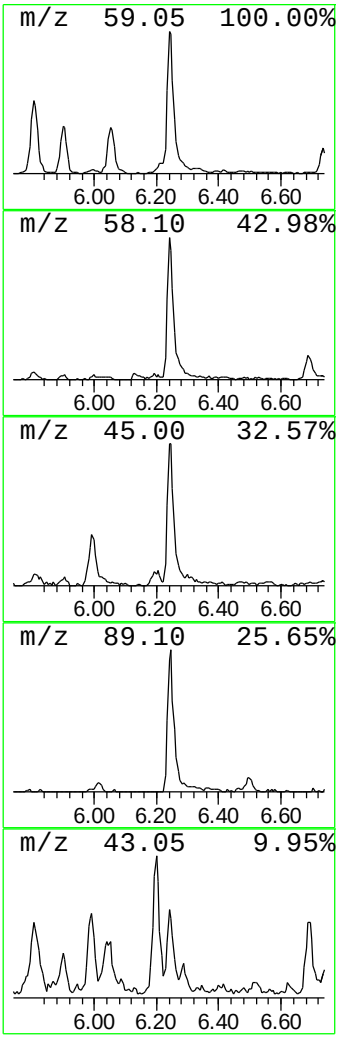
Peak Number 10 Ethane, 1,1'-oxybis[2-methoxy- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.24	2.83 ng/ul	149803	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, 1,1'-oxybis[2-methoxy-	134	C6H14O3	000111-96-6	83
2	Ethane, 1,1'-oxybis[2-methoxy-	134	C6H14O3	000111-96-6	83
3	Ethane, 1,1'-oxybis[2-methoxy-	134	C6H14O3	000111-96-6	78
4	1-(2-Methoxyethoxy)-2-methyl-2-p...	294	C10H15F5O4	1000364-25-8	42
5	1-(2-Methoxyethoxy)-2-methyl-2-p...	344	C11H15F7O4	1000364-27-7	42





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Instrument : BNA_M
ClientSampleId : BG0Q2

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Quant Title : SVOA CALIBRATION

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

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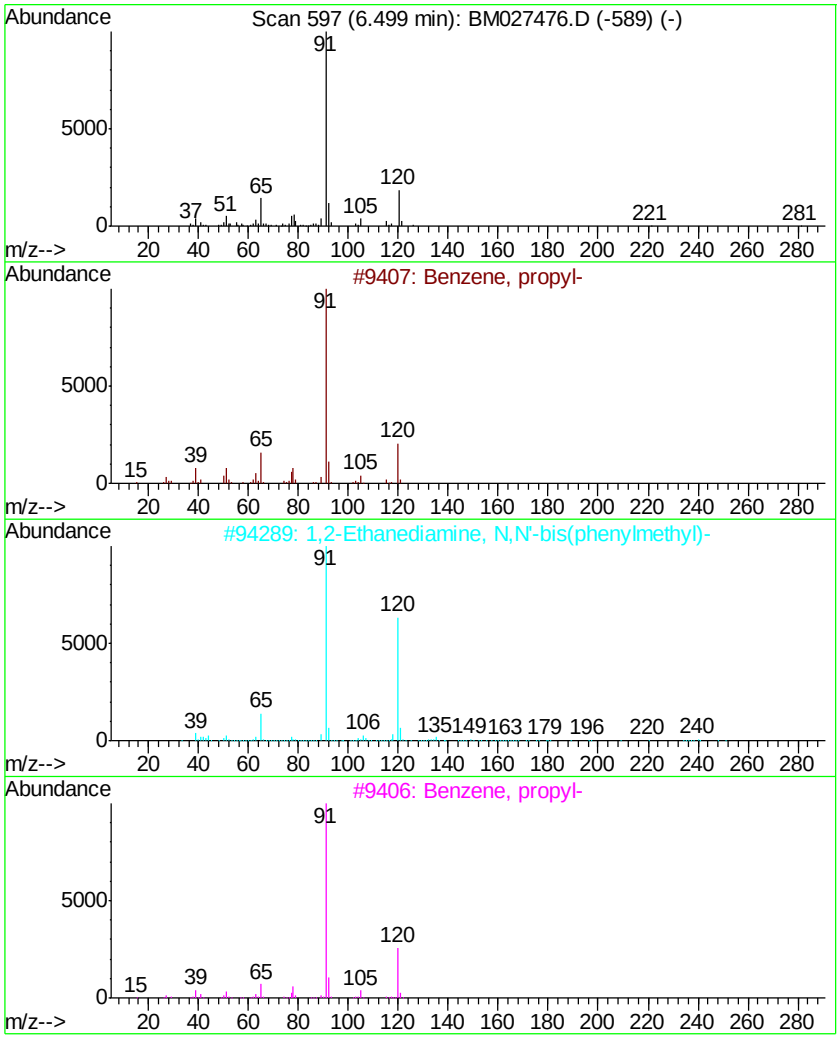
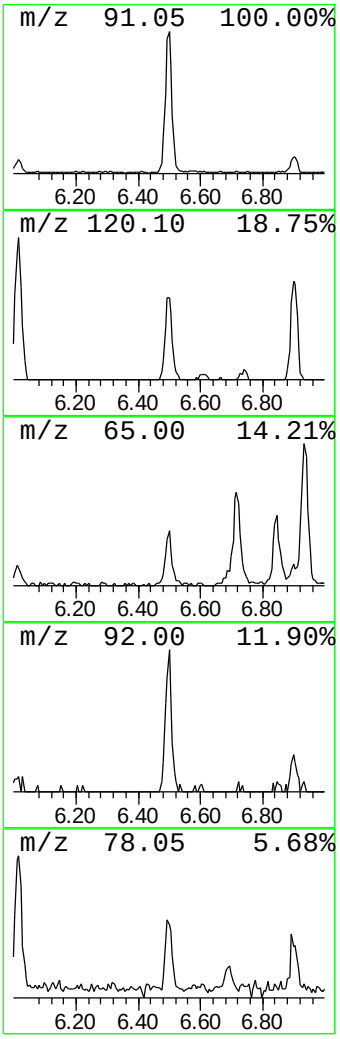
Peak Number 11 Benzene, propyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	2.27 ng/ul	119891	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	76
2	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	64
3	Benzene, propyl-	120	C9H12	000103-65-1	64
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	53
5	Benzene, propyl-	120	C9H12	000103-65-1	52





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Instrument : BNA_M
ClientSampleId : BG0Q2

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Quant Title : SVOA CALIBRATION

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

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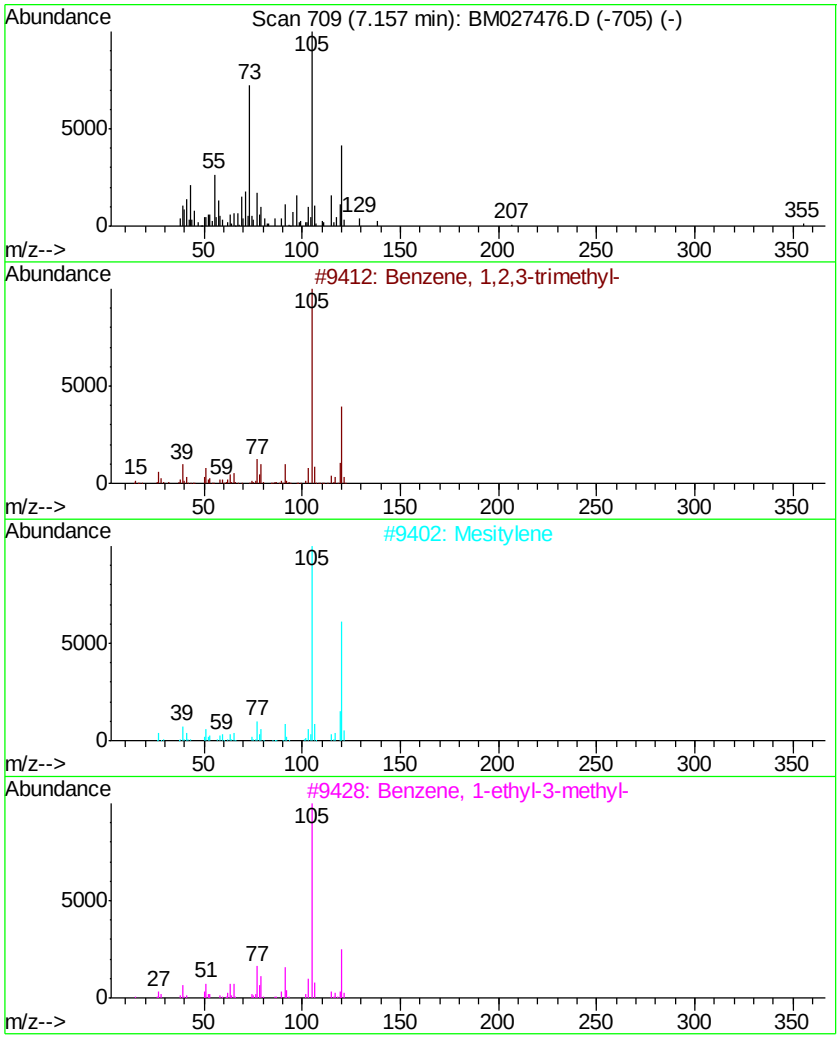
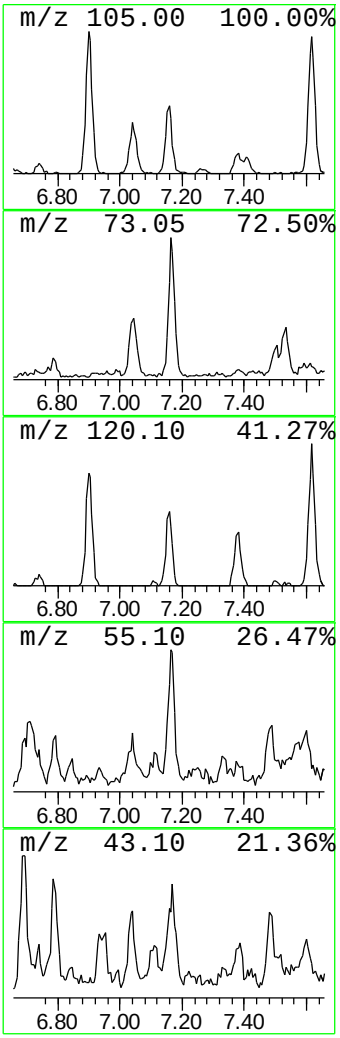
Peak Number 12 Benzene, 1,2,3-trimethyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.16	2.32 ng/ul	122429	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	80
2	Mesitylene	120	C9H12	000108-67-8	80
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	70
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	42
5	2,4-Nonadiyne	120	C9H12	063621-15-8	42





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Operator : JU/CG
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Misc :
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Instrument : BNA_M
ClientSampleId : BG0Q2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090420MA.M
Quant Title : SVOA CALIBRATION

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

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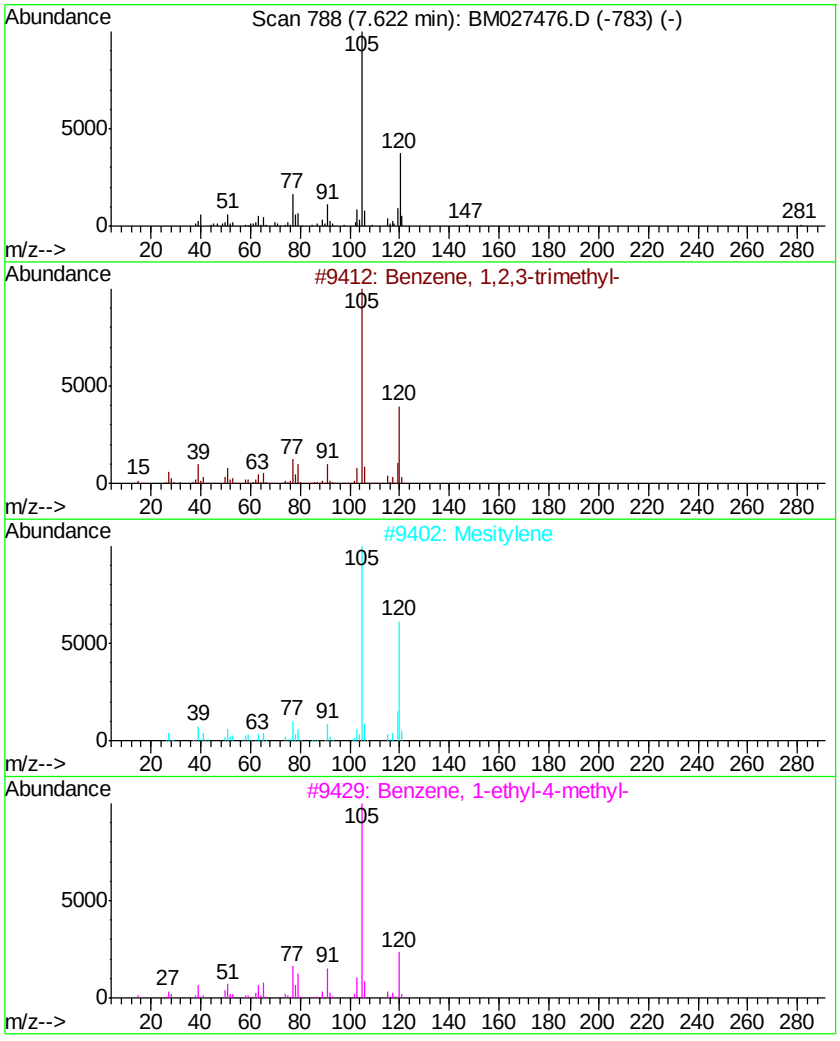
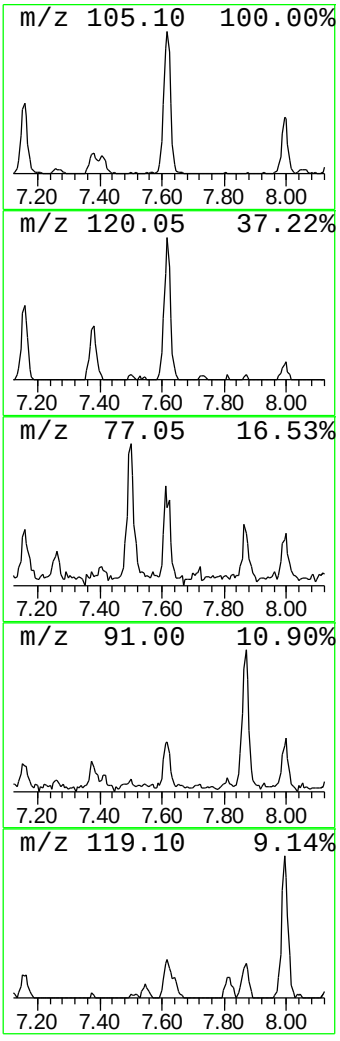
Peak Number 13 Mesitylene Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.62	2.07 ng/ul	109339	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2	Mesitylene	120	C9H12	000108-67-8	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94





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Quant Title : SVOA CALIBRATION

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

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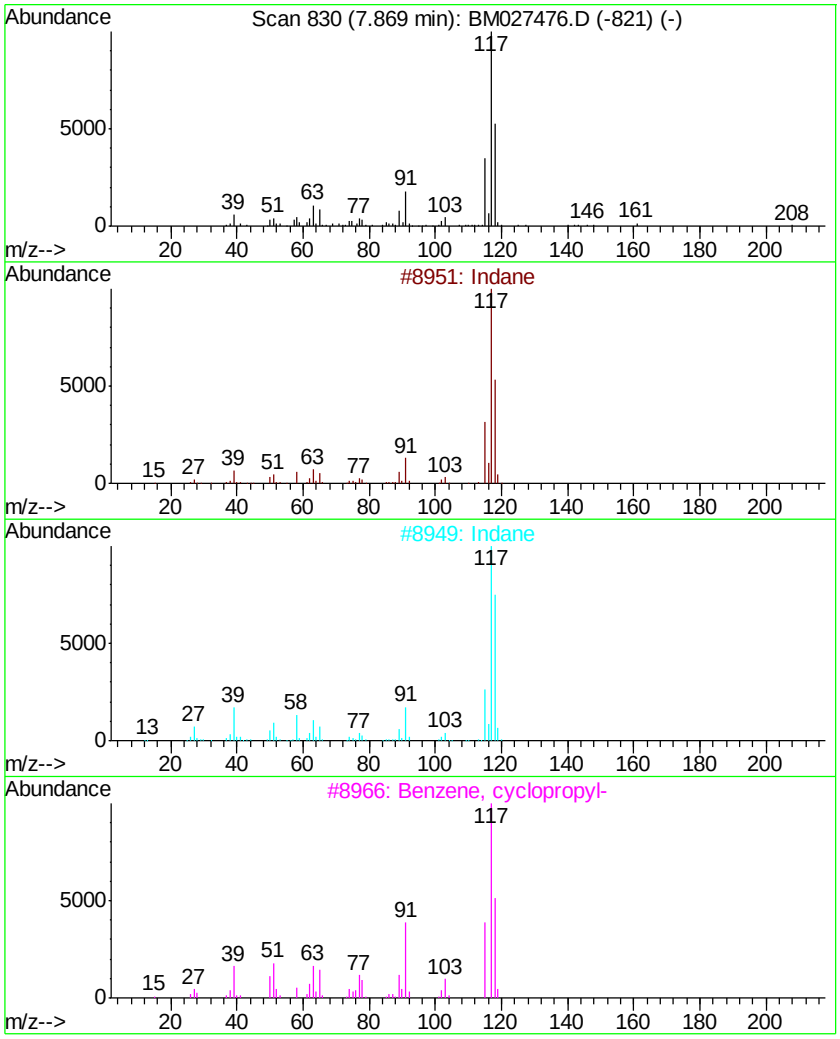
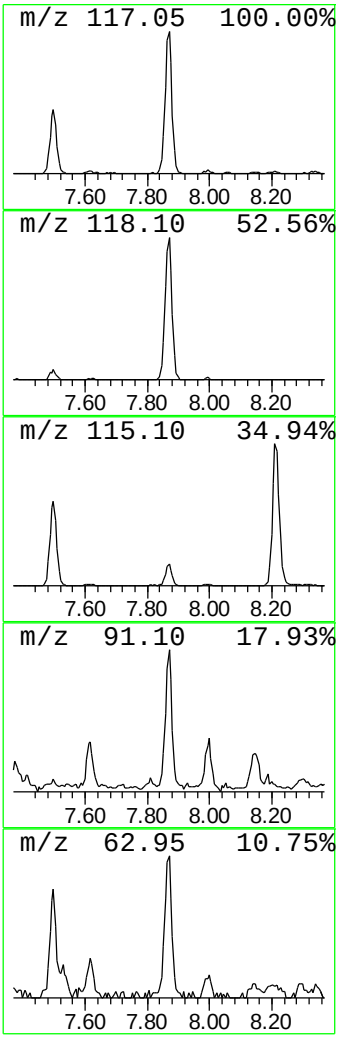
Peak Number 14 Indane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.87	4.69 ng/ul	247938	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	87
2	Indane	118	C9H10	000496-11-7	87
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	81
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72
5	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	59





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Quant Title : SVOA CALIBRATION

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

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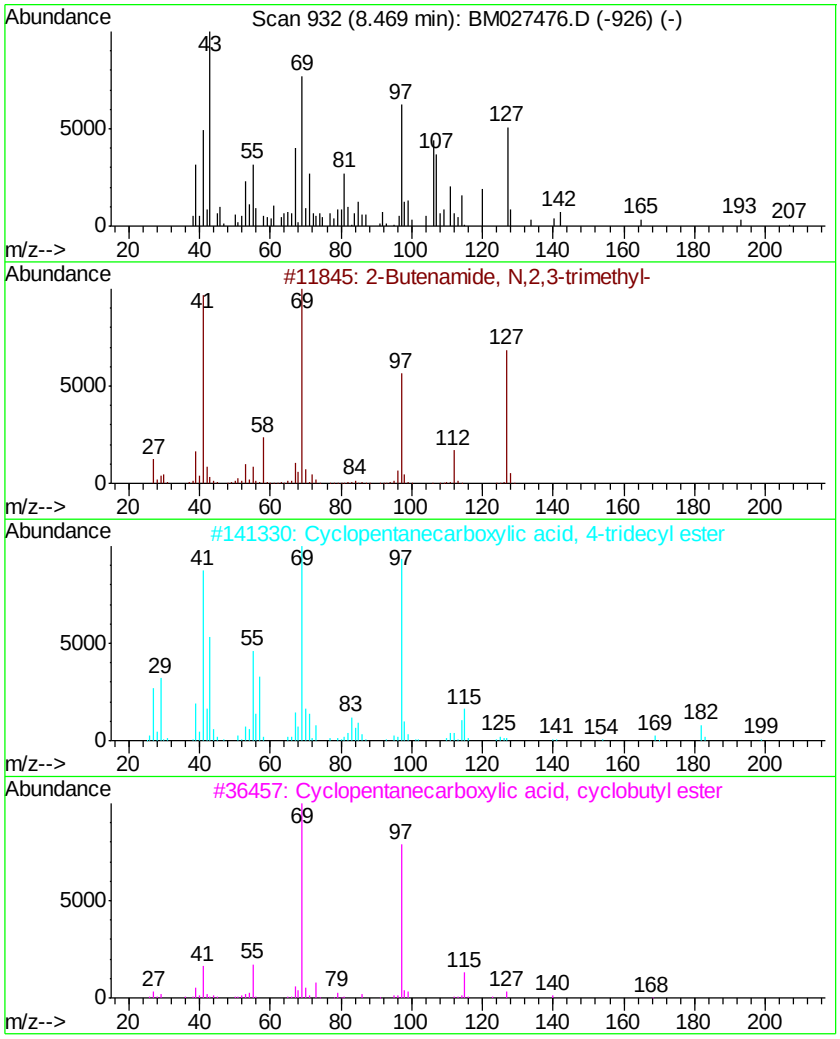
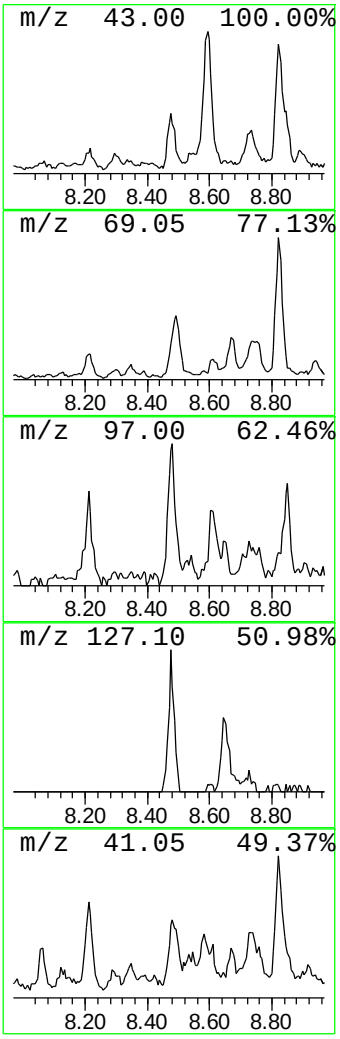
Peak Number 15 2-Butenamide, N,2,3-trimethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.47	2.54 ng/ul	134347	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenamide, N,2,3-trimethyl-	127	C7H13NO	001186-87-4	50
2	Cyclopentanecarboxylic acid, 4-t...	296	C19H36O2	1000280-58-6	43
3	Cyclopentanecarboxylic acid, cyc...	168	C10H16O2	1000282-76-8	38
4	Cyclohexane, 1,2-diethyl-, cis-	140	C10H20	000824-43-1	27
5	2-Methyl-4-pentenoic acid	114	C6H10O2	001575-74-2	25





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Quant Title : SVOA CALIBRATION

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

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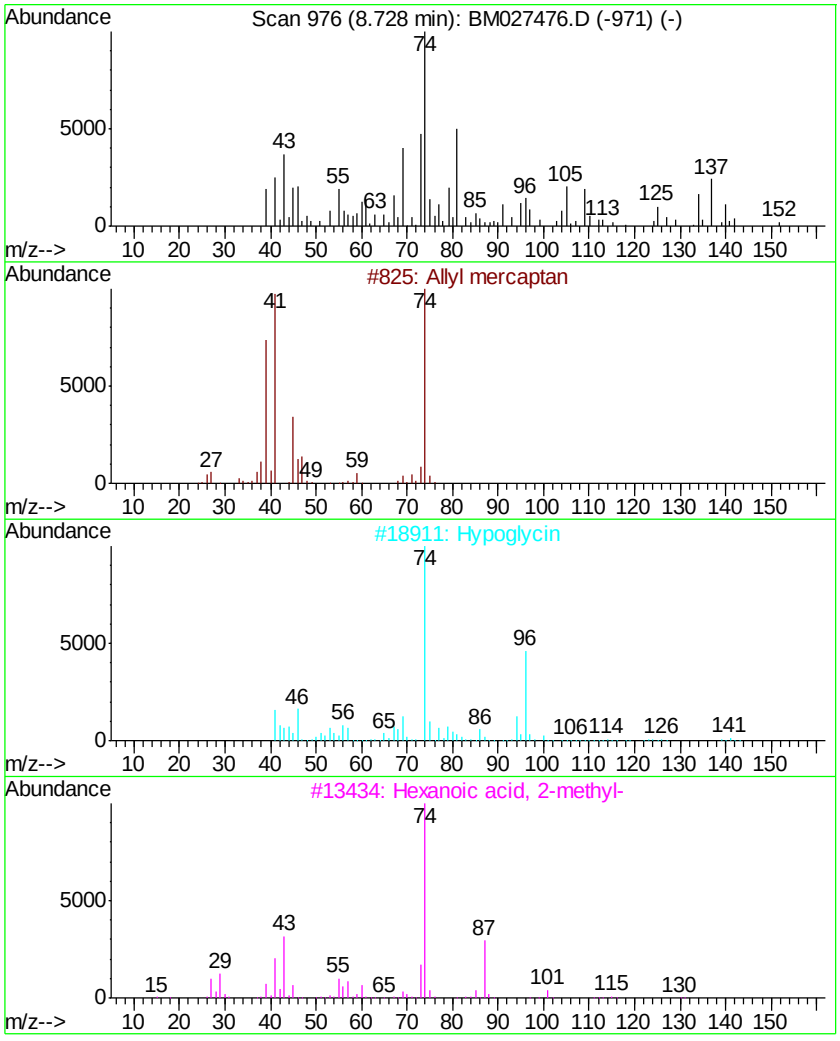
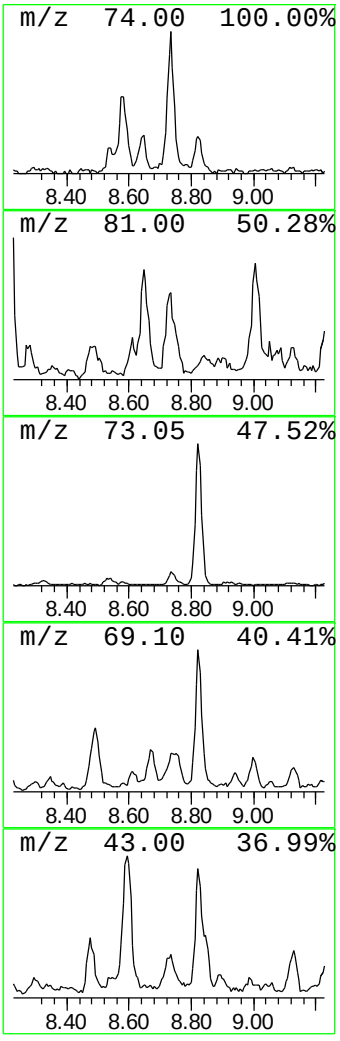
Peak Number 16 unknown-02 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.73	3.88 ng/ul	205306	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Allyl mercaptan	74	C3H6S	000870-23-5	47
2	Hypoglycin	141	C7H11NO2	000156-56-9	43
3	Hexanoic acid, 2-methyl-	130	C7H14O2	004536-23-6	38
4	3-(Dioxolan-2-yl)-1,1-dimethyl-2...	251	C14H21NO3	1000305-98-1	37
5	Octanoic acid, 2-methyl-	158	C9H18O2	003004-93-1	37





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Quant Title : SVOA CALIBRATION

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

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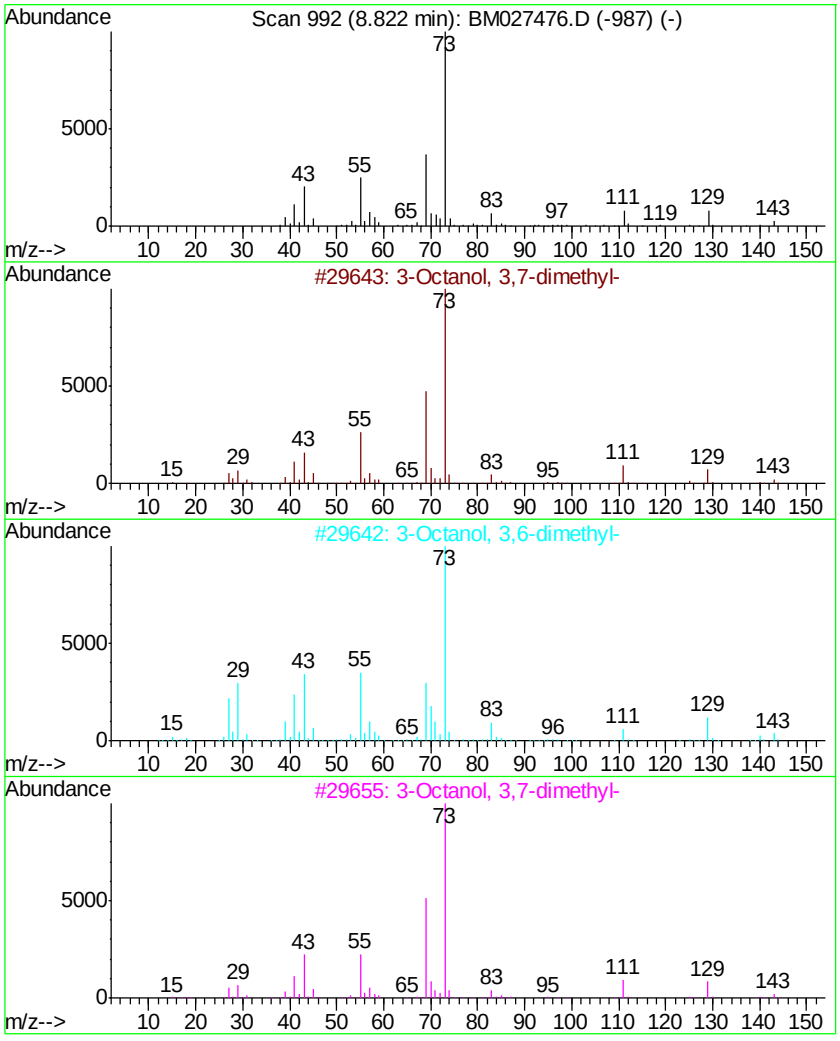
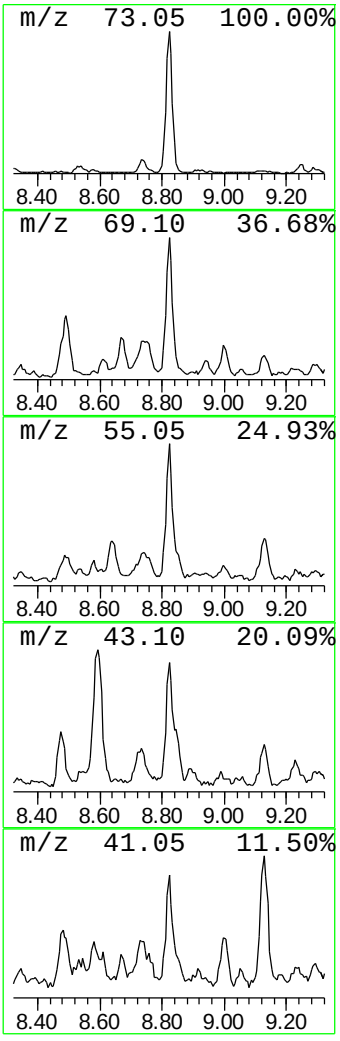
Peak Number 17 3-Octanol, 3,7-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.82	6.05 ng/ul	319872	1,4-Dichlorobenzene-d4	7.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octanol, 3,7-dimethyl-	158	C10H22O	000078-69-3	53
2	3-Octanol, 3,6-dimethyl-	158	C10H22O	000151-19-9	45
3	3-Octanol, 3,7-dimethyl-	158	C10H22O	000078-69-3	40
4	3-Dodecanol, 3,7,11-trimethyl-	228	C15H32O	007278-65-1	28
5	3-Octanol, 3,7-dimethyl-	158	C10H22O	000078-69-3	25





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Quant Title : SVOA CALIBRATION

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

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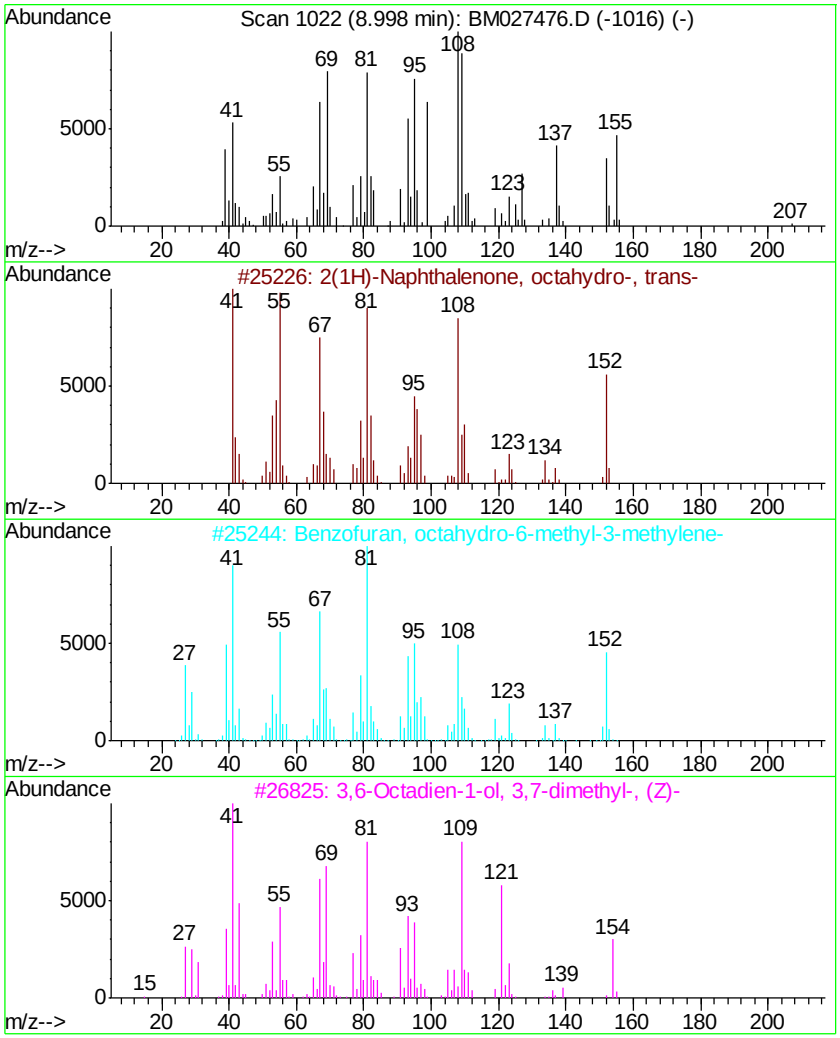
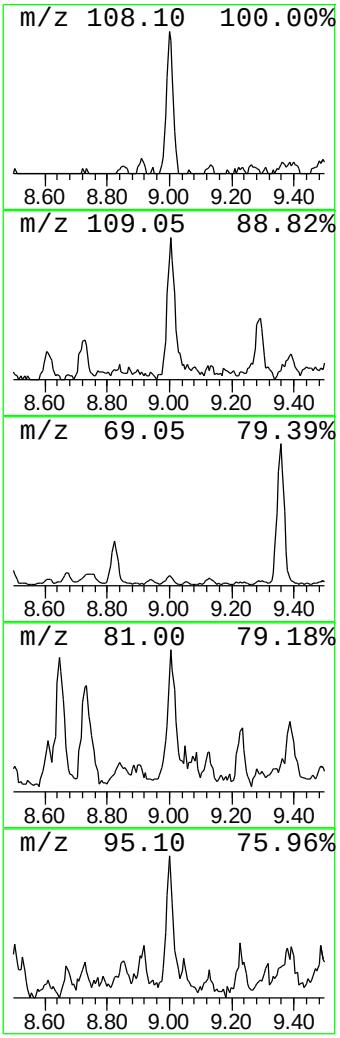
Peak Number 18 unknown-03 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.00	2.35 ng/ul	158505	Naphthalene-d8	10.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(1H)-Naphthalenone, octahydro-,...	152	C10H16O	016021-08-2	46
2	Benzofuran, octahydro-6-methyl-3...	152	C10H16O	077954-13-3	38
3	3,6-Octadien-1-ol, 3,7-dimethyl-...	154	C10H18O	005944-20-7	27
4	(+)-2-Bornanone	152	C10H16O	000464-49-3	22
5	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	15





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

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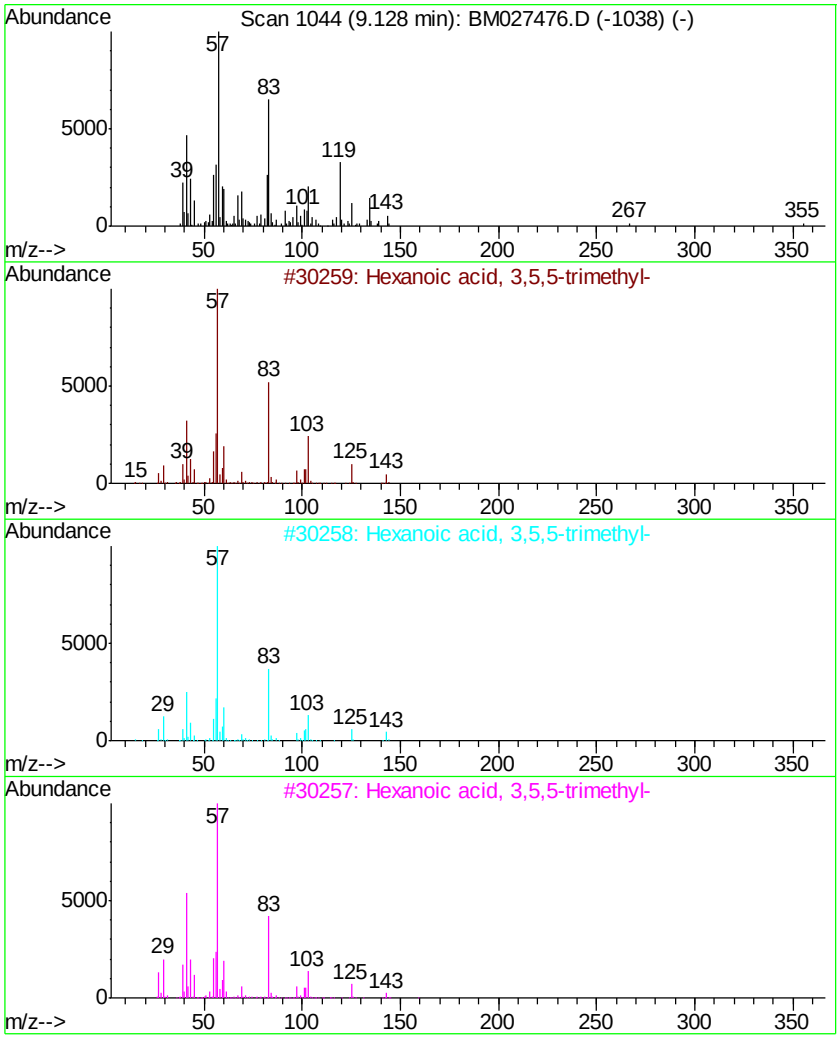
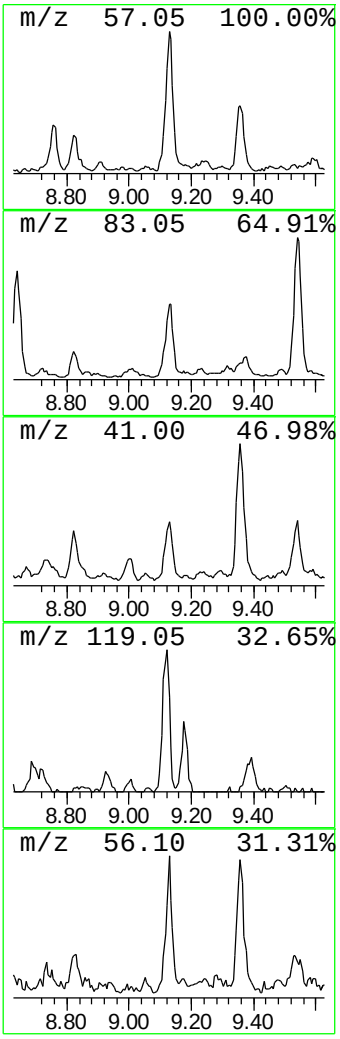
Peak Number 19 Hexanoic acid, 3,5,5-trimet... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.13	3.10 ng/ul	209541	Naphthalene-d8	10.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 3,5,5-trimethyl-	158	C9H18O2	003302-10-1	52
2	Hexanoic acid, 3,5,5-trimethyl-	158	C9H18O2	003302-10-1	50
3	Hexanoic acid, 3,5,5-trimethyl-	158	C9H18O2	003302-10-1	50
4	3,3-Dimethylheptanoic acid	158	C9H18O2	067061-30-7	47
5	Hexanoic acid, 3,5,5-trimethyl-,...	512	C30H56O6	056554-53-1	35





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Sample : L4046-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BG0Q2

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Quant Title : SVOA CALIBRATION

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

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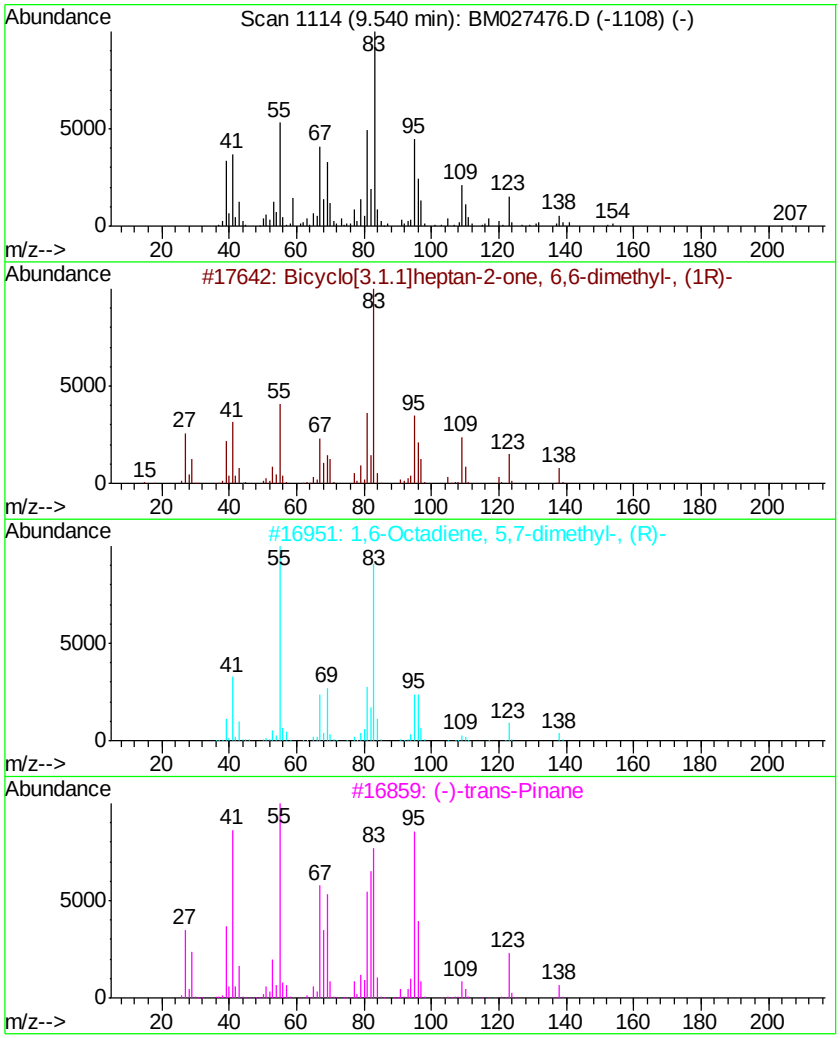
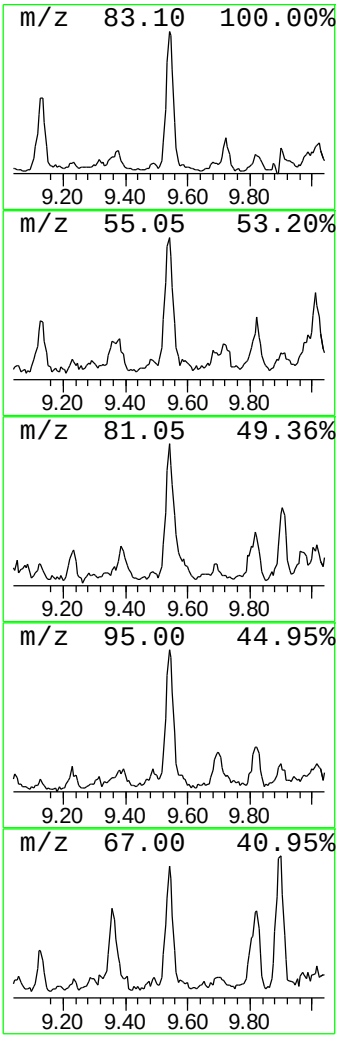
Peak Number 20 Bicyclo[3.1.1]heptan-2-one,... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.54	5.67 ng/ul	382513	Naphthalene-d8	10.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptan-2-one, 6,6-...	138	C9H14O	038651-65-9	93
2	1,6-Octadiene, 5,7-dimethyl-, (R)-	138	C10H18	085006-04-8	58
3	(-)-trans-Pinane	138	C10H18	033626-25-4	52
4	Bicyclo[3.1.1]heptan-2-one, 6,6-...	138	C9H14O	024903-95-5	49
5	N-Methoxy-2-carbomenthyloxyaziri...	255	C14H25NO3	060999-67-9	43





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Misc :
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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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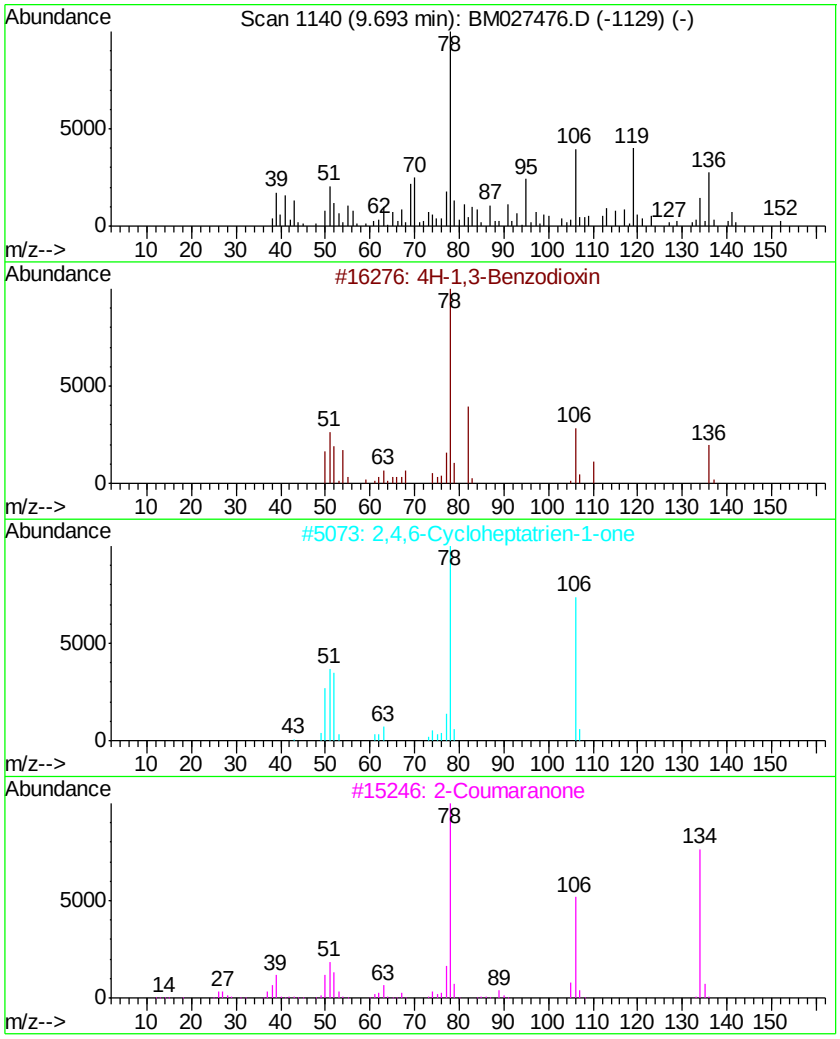
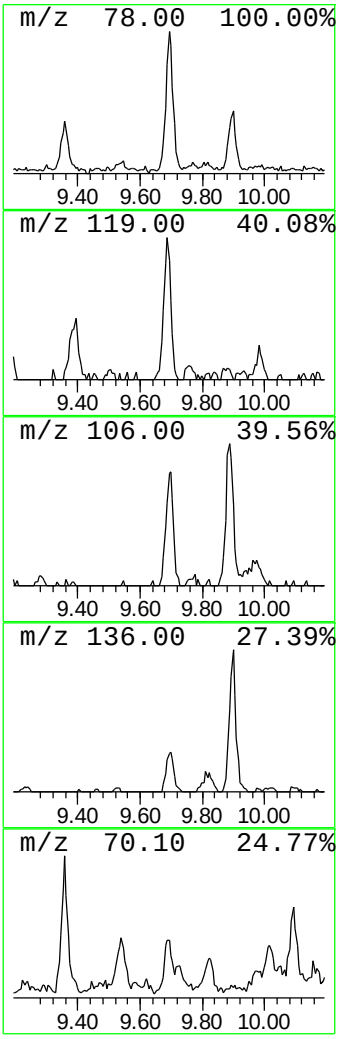
Peak Number 21 4H-1,3-Benzodioxin Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.69	2.76 ng/ul	186369	Naphthalene-d8	10.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-1,3-Benzodioxin	136	C8H8O2	000254-27-3	76
2	2,4,6-Cycloheptatrien-1-one	106	C7H6O	000539-80-0	68
3	2-Coumaranone	134	C8H6O2	000553-86-6	68
4	2,4,6-Cycloheptatrien-1-one	106	C7H6O	000539-80-0	53
5	Salicyl alcohol	124	C7H8O2	000090-01-7	53





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ClientSampleId : BG0Q2

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Quant Title : SVOA CALIBRATION

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

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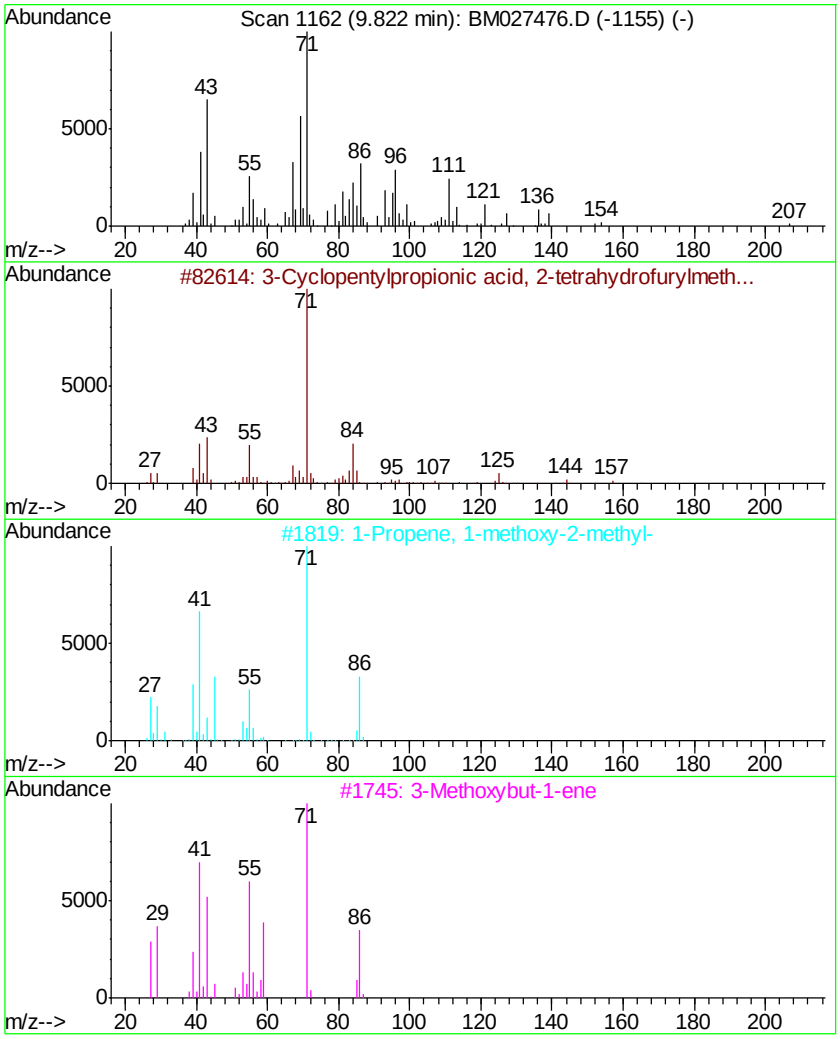
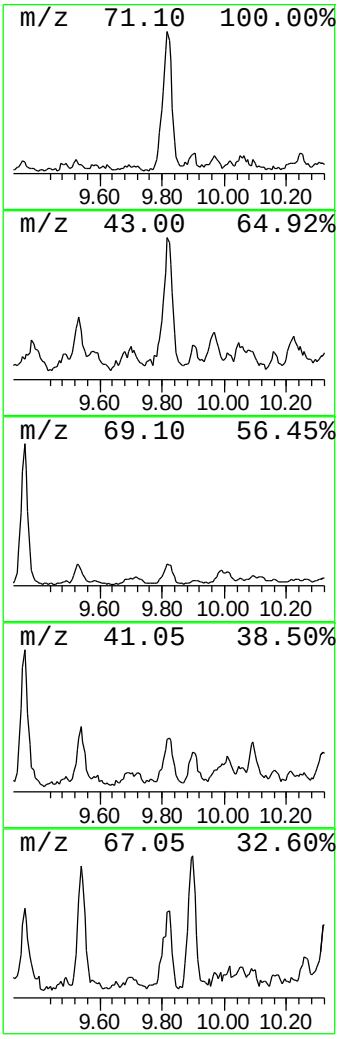
Peak Number 22 unknown-04 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.82	4.00 ng/ul	270054	Naphthalene-d8	10.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Cyclopentylpropionic acid, 2-t...	226	C13H22O3	1000293-46-9	43
2	1-Propene, 1-methoxy-2-methyl-	86	C5H10O	017574-84-4	43
3	3-Methoxybut-1-ene	86	C5H10O	017351-24-5	43
4	3-Methoxybut-1-ene	86	C5H10O	017351-24-5	43
5	1-Butene, 1-methoxy-	86	C5H10O	029512-02-5	43





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ClientSampleId : BG0Q2

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Quant Title : SVOA CALIBRATION

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

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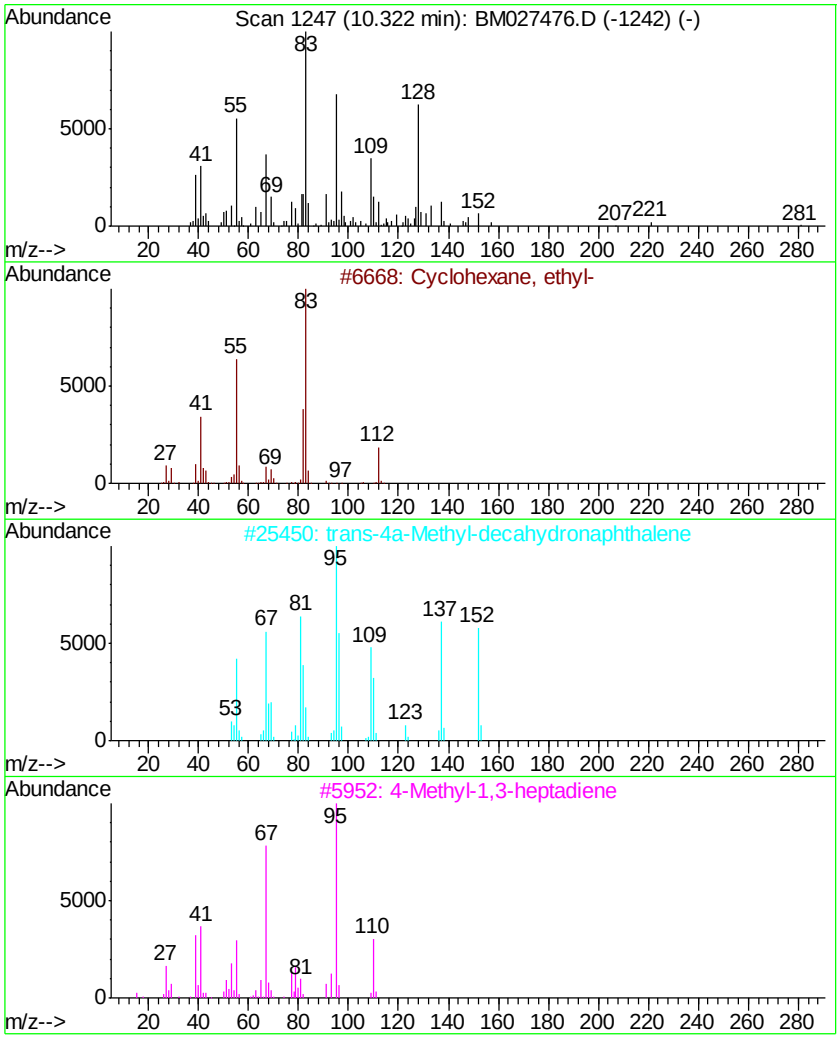
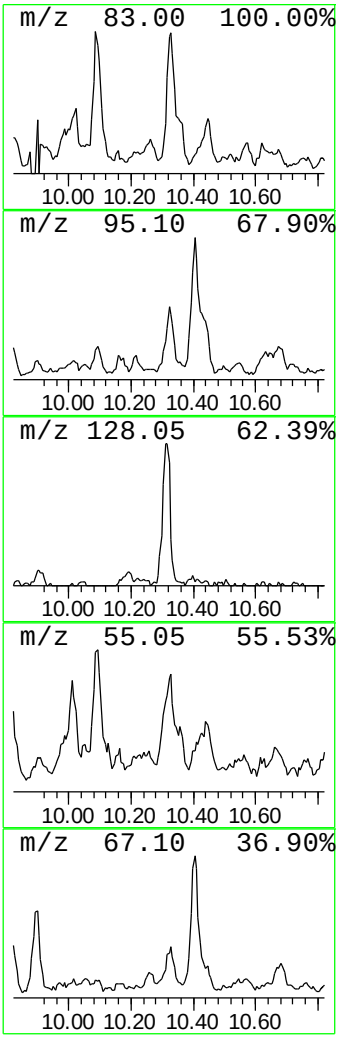
Peak Number 23 (DEL) Alkane: Cyclic10.32 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.32	3.11 ng/ul	210276	Naphthalene-d8	10.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	25
2	trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	18
3	4-Methyl-1,3-heptadiene	110	C8H14	017603-57-5	15
4	1,3-Hexadiene, 2,5-dimethyl-	110	C8H14	029253-64-3	15
5	2-Hexene, 4,4,5-trimethyl-	126	C9H18	055702-61-9	14





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Instrument : BNA_M
ClientSampleId : BG0Q2

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Quant Title : SVOA CALIBRATION

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

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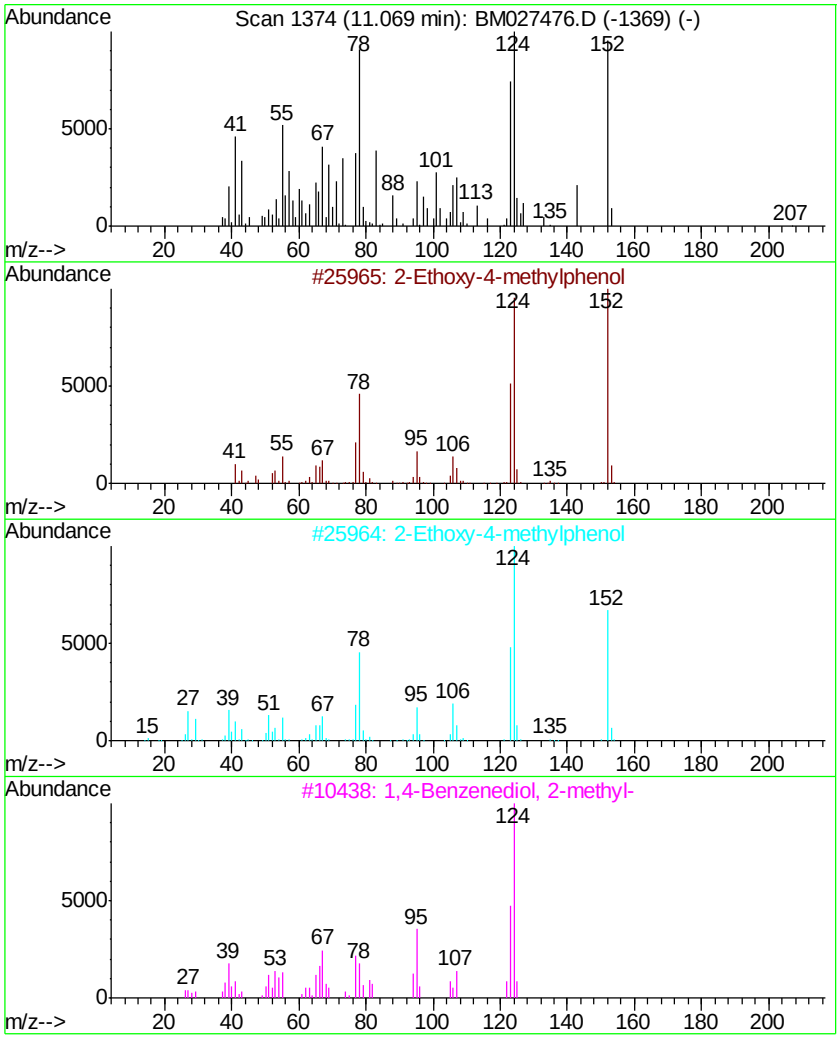
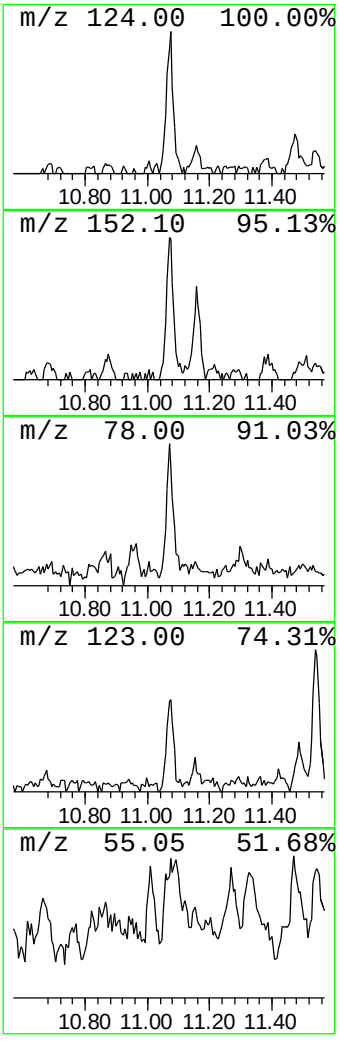
Peak Number 24 2-Ethoxy-4-methylphenol Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	2.74 ng/ul	184781	Naphthalene-d8	10.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethoxy-4-methylphenol	152	C9H12O2	002563-07-7	74
2	2-Ethoxy-4-methylphenol	152	C9H12O2	002563-07-7	64
3	1,4-Benzenediol, 2-methyl-	124	C7H8O2	000095-71-6	46
4	2,6-Dimethoxytoluene	152	C9H12O2	005673-07-4	43
5	1,2-Benzenediol, 4-methyl-	124	C7H8O2	000452-86-8	41





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Quant Title : SVOA CALIBRATION

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

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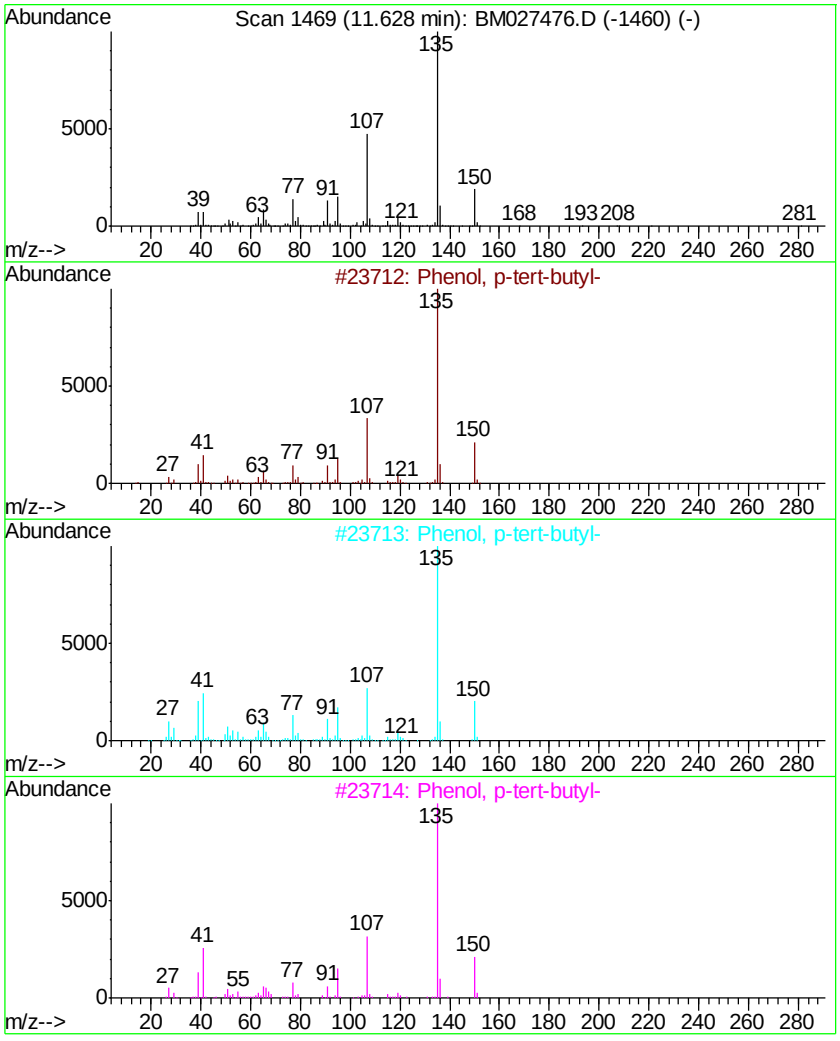
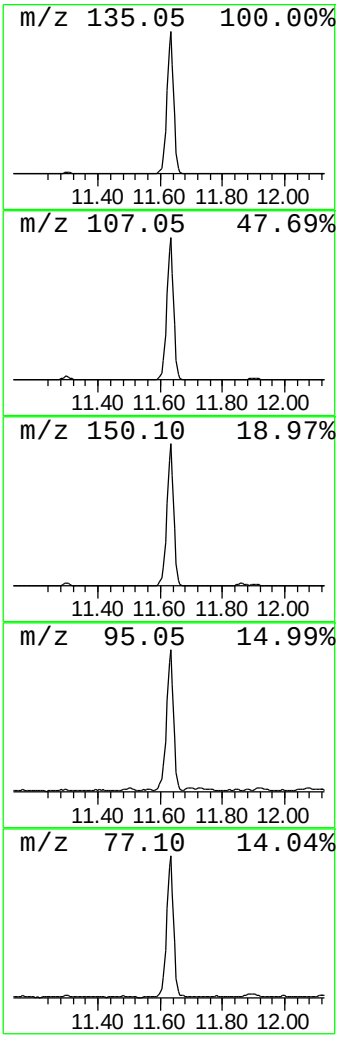
Peak Number 25 Phenol, p-tert-butyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.63	80.59 ng/ul	5441780	Naphthalene-d8	10.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, p-tert-butyl-	150	C10H14O	000098-54-4	96
2	Phenol, p-tert-butyl-	150	C10H14O	000098-54-4	93
3	Phenol, p-tert-butyl-	150	C10H14O	000098-54-4	91
4	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	81
5	3-Methoxyacetophenone	150	C9H10O2	000586-37-8	72





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ClientSampleId : BG0Q2

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Quant Title : SVOA CALIBRATION

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

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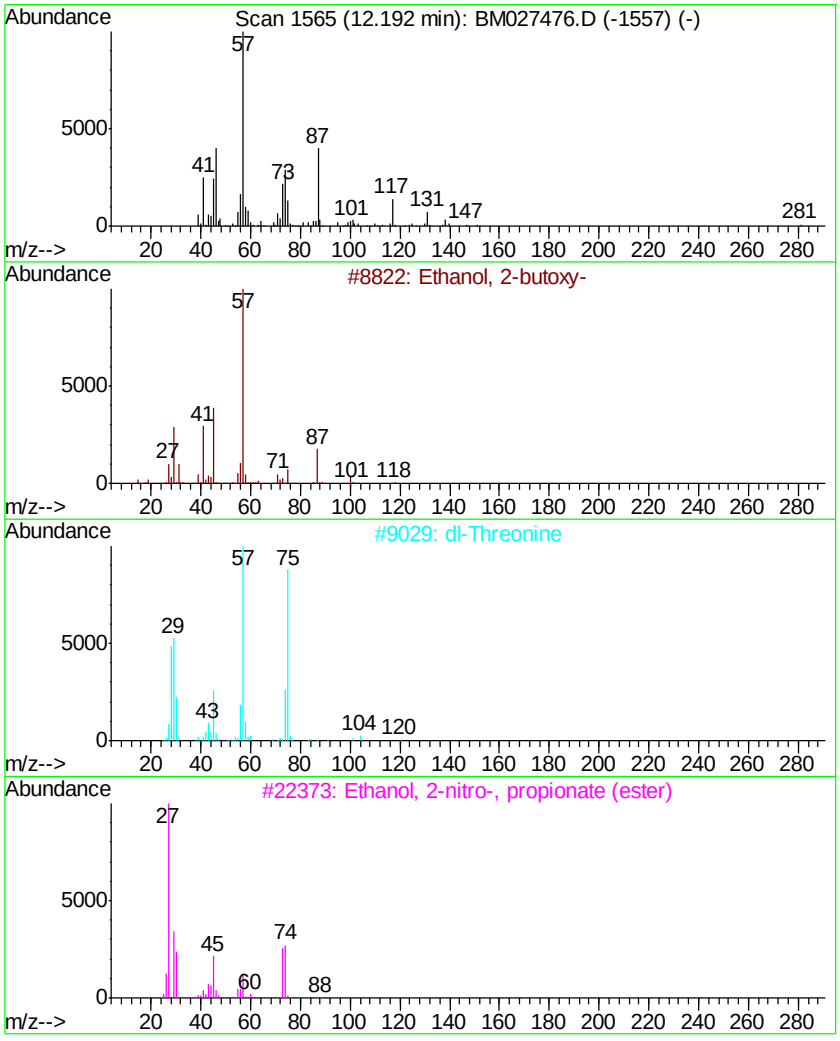
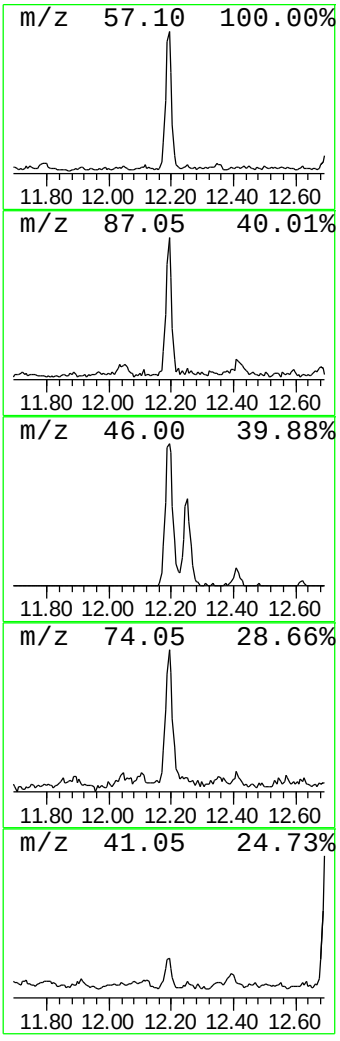
Peak Number 26 unknown-05 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	2.57 ng/ul	173523	Naphthalene-d8	10.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	23
2	dl-Threonine	119	C4H9NO3	000080-68-2	22
3	Ethanol, 2-nitro-, propionate (e...	147	C5H9NO4	005390-28-3	16
4	Butane, 2,2'-[methylenebis(oxy)]...	160	C9H20O2	002568-92-5	16
5	Threonine	119	C4H9NO3	000072-19-5	14





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Instrument : BNA_M
ClientSampleId : BG0Q2

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Quant Title : SVOA CALIBRATION

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

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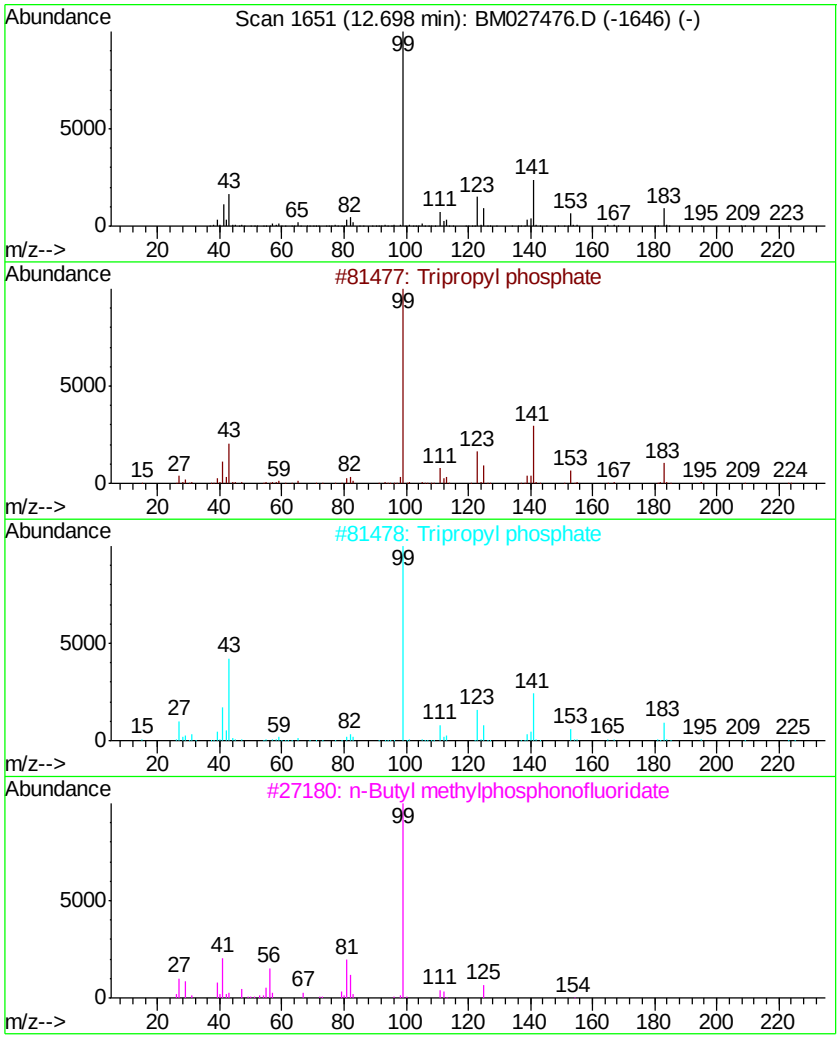
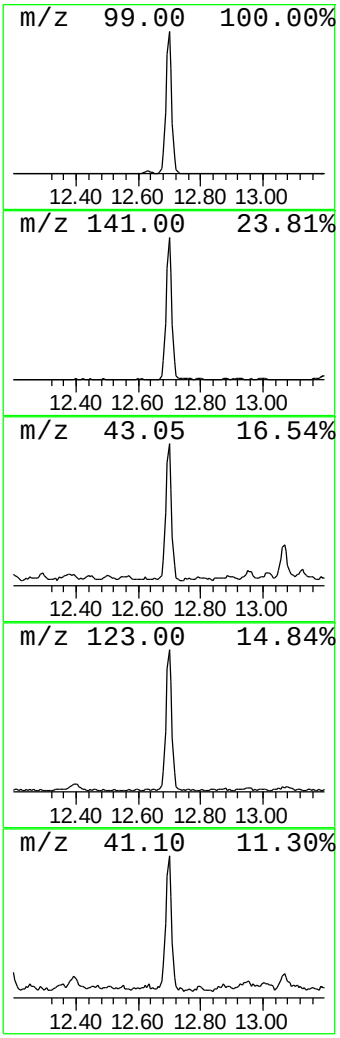
Peak Number 27 Tripropyl phosphate Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	9.99 ng/ul	971029	Acenaphthene-d10	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tripropyl phosphate	224	C9H21O4P	000513-08-6	90
2	Tripropyl phosphate	224	C9H21O4P	000513-08-6	50
3	n-Butyl methylphosphonofluoridate	154	C5H12FO2P	000352-63-6	47
4	1,4-Dioxaspiro[4.6]undec-7-ene	154	C9H14O2	007140-60-5	28
5	Spiro[1,3-dioxolane-2,2'(1'H)-na...	196	C12H20O2	006857-86-9	28





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Quant Title : SVOA CALIBRATION

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

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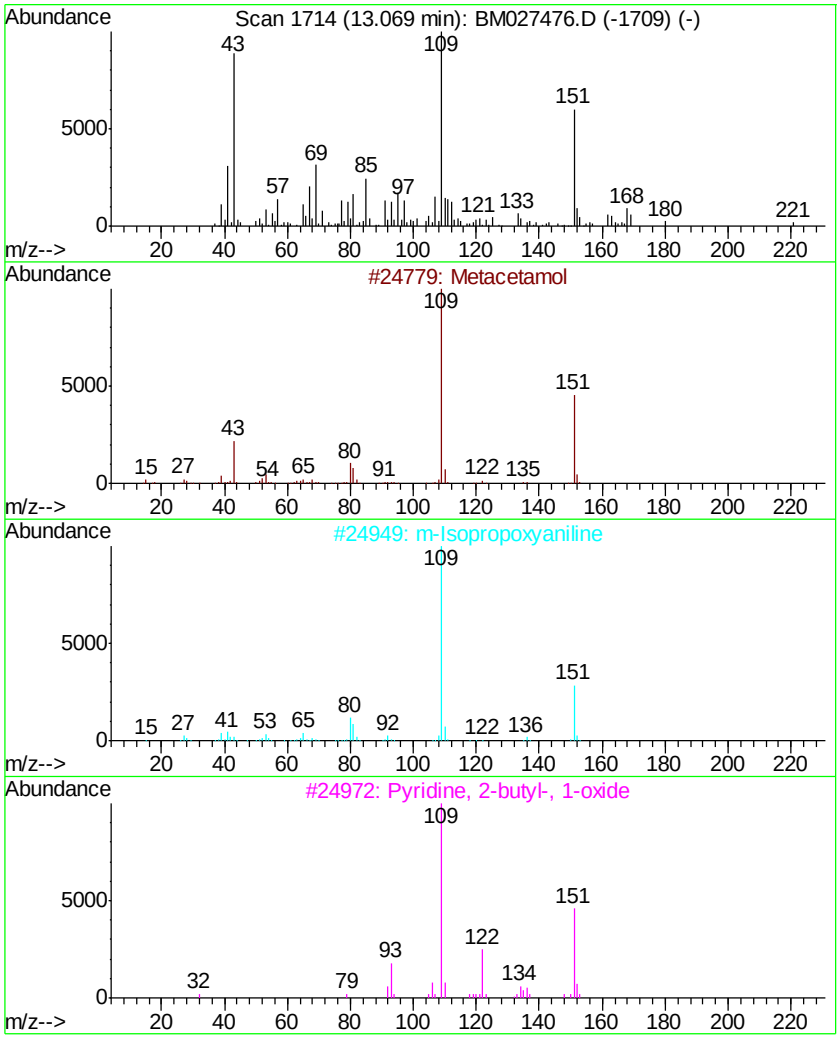
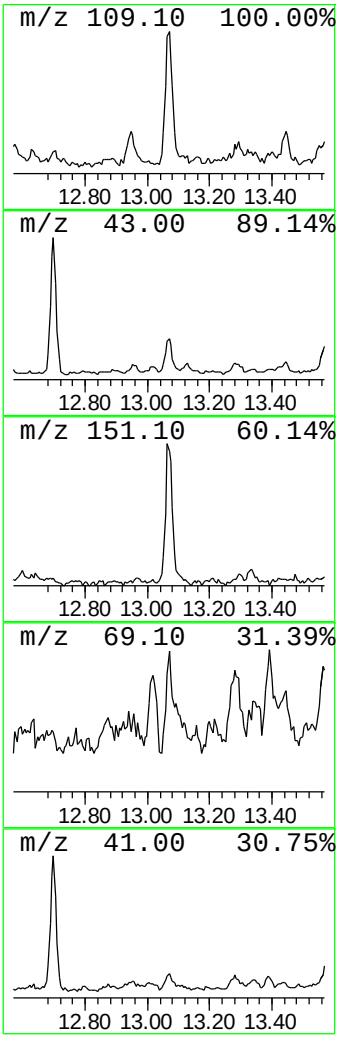
Peak Number 28 Metacetamol Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	2.37 ng/ul	230865	Acenaphthene-d10	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Metacetamol	151	C8H9NO2	000621-42-1	52
2	m-Isopropoxyaniline	151	C9H13NO	041406-00-2	52
3	Pyridine, 2-butyl-, 1-oxide	151	C9H13NO	031396-32-4	50
4	1,2,4,4-Tetramethylcyclopentene	124	C9H16	065378-76-9	46
5	Ethanone, 1-(1,4-dimethyl-3-cycl...	152	C10H16O	043219-68-7	43





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Quant Title : SVOA CALIBRATION

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

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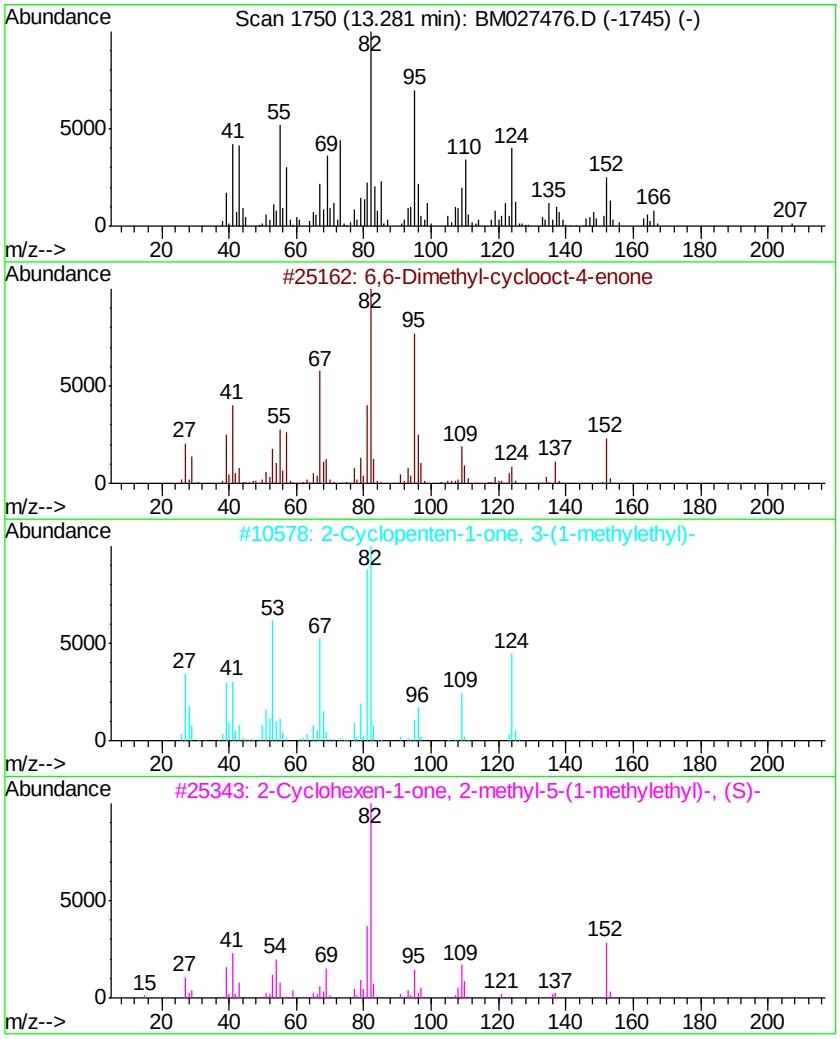
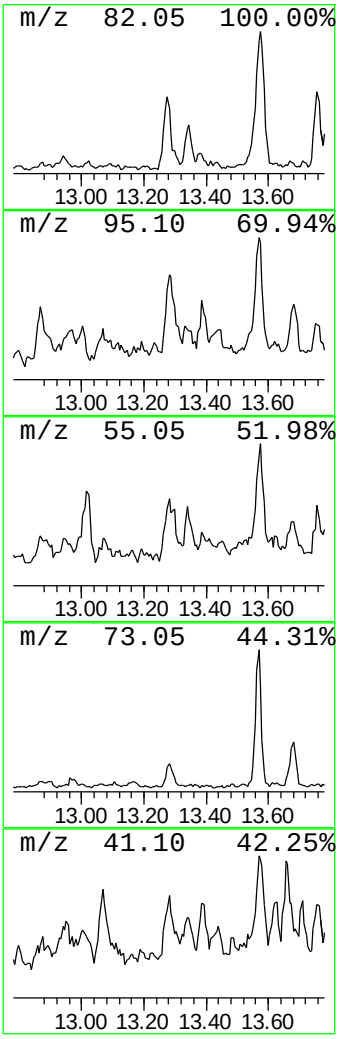
Peak Number 29 6,6-Dimethyl-cyclooct-4-enone Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	2.04 ng/ul	197914	Acenaphthene-d10	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6,6-Dimethyl-cyclooct-4-enone	152	C10H16O	1000194-10-0	58
2	2-Cyclopenten-1-one, 3-(1-methyl...	124	C8H12O	001619-28-9	46
3	2-Cyclohexen-1-one, 2-methyl-5-(...	152	C10H16O	000499-71-8	43
4	2-Cyclohexen-1-one, 4,4-dimethyl-	124	C8H12O	001073-13-8	38
5	(+)-2-Bornanone	152	C10H16O	000464-49-3	38





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Quant Title : SVOA CALIBRATION

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

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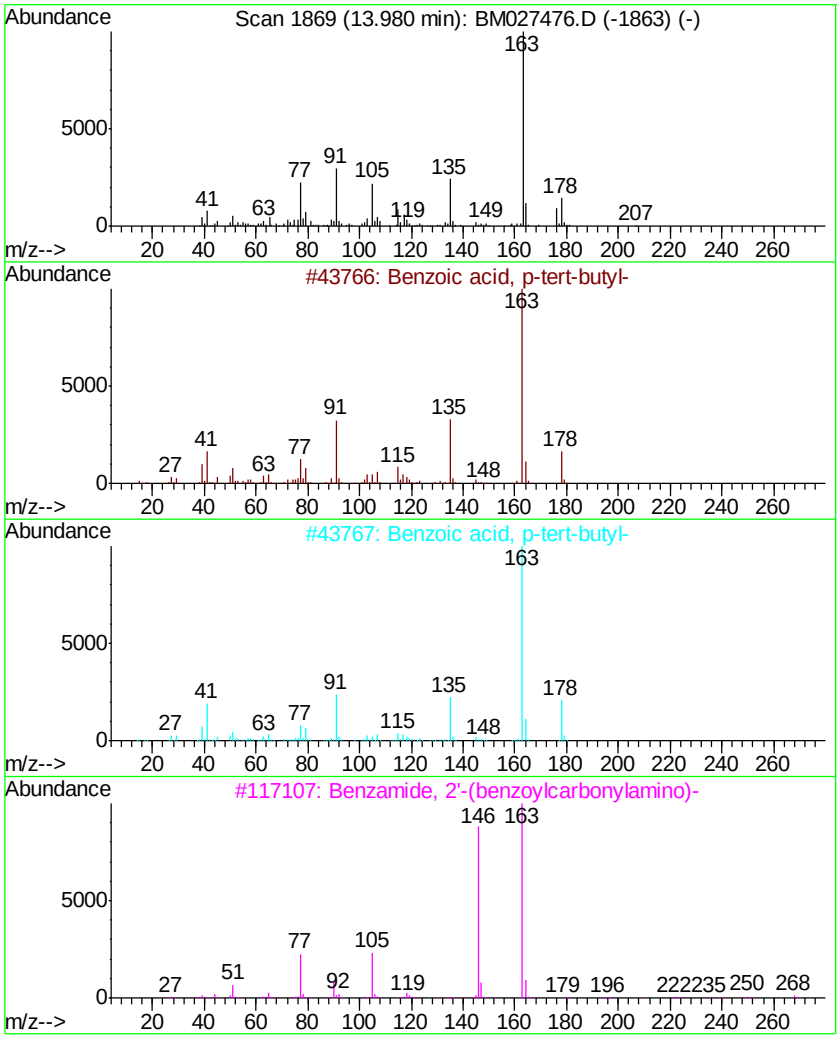
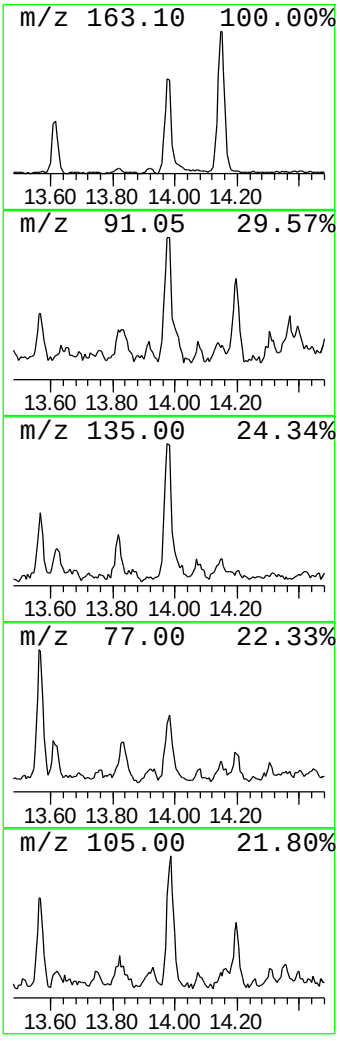
Peak Number 30 Benzoic acid, p-tert-butyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.98	2.90 ng/ul	281708	Acenaphthene-d10	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, p-tert-butyl-	178	C11H14O2	000098-73-7	94
2	Benzoic acid, p-tert-butyl-	178	C11H14O2	000098-73-7	86
3	Benzamide, 2'-(benzoylcarbonylam...	268	C15H12N2O3	129768-51-0	53
4	Malonic acid, di(2-chloropropyl)...	256	C9H14Cl2O4	1000349-03-7	53
5	Benzoic acid, 4-acetyl-, methyl ...	178	C10H10O3	003609-53-8	52





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Quant Title : SVOA CALIBRATION

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

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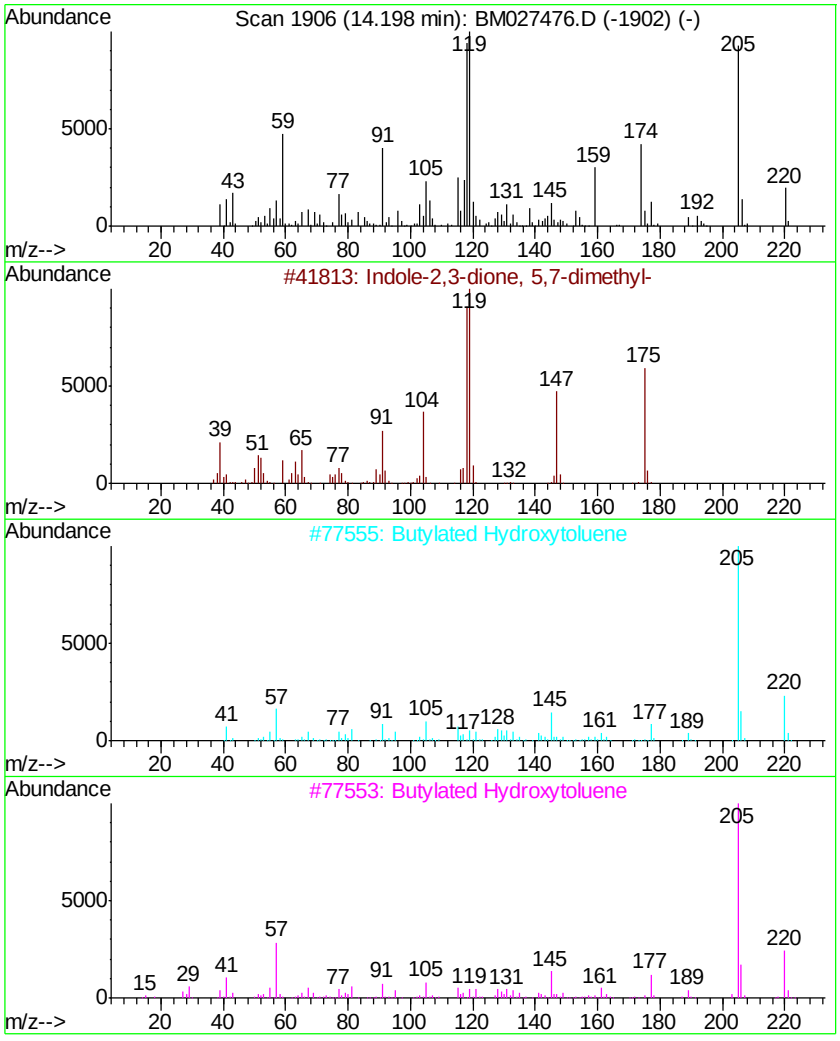
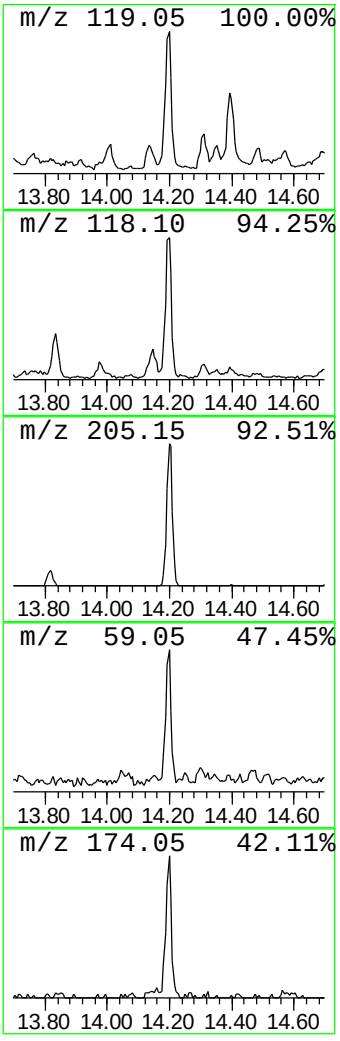
Peak Number 31 unknown-06 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.20	2.71 ng/ul	263765	Acenaphthene-d10	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indole-2,3-dione, 5,7-dimethyl-	175	C10H9NO2	039603-24-2	43
2	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	35
3	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	35
4	Aziridine, 2-phenyl-	119	C8H9N	001499-00-9	27
5	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	25





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091920\
Data File : BM027476.D
Acq On : 18 Sep 2020 23:51
Operator : JU/CG
Sample : L4046-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BG0Q2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090420MA.M
Quant Title : SVOA CALIBRATION

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

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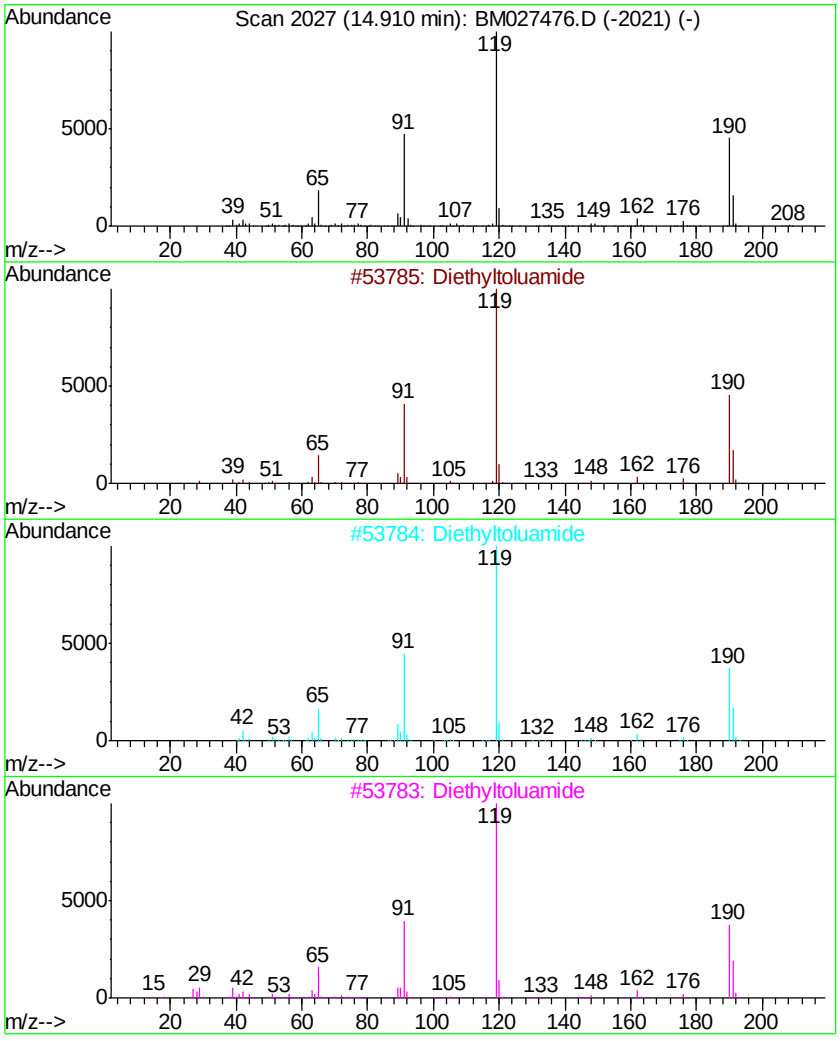
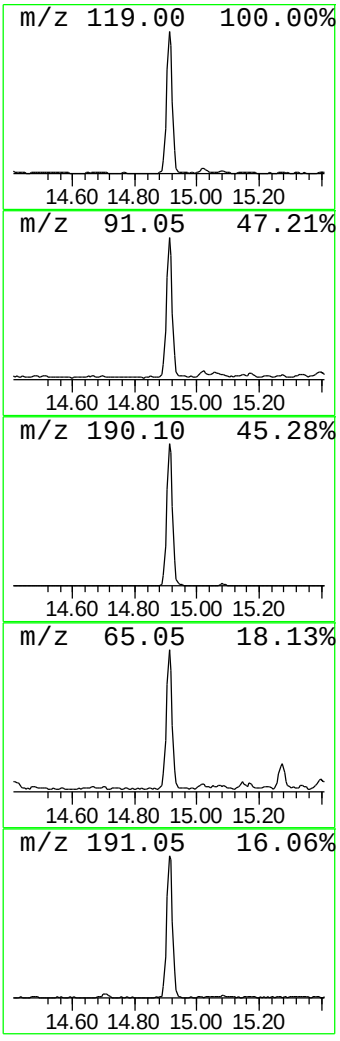
Peak Number 32 Diethyltoluamide Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.91	12.63 ng/ul	1227800	Acenaphthene-d10	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethyltoluamide	191	C12H17NO	000134-62-3	97
2	Diethyltoluamide	191	C12H17NO	000134-62-3	95
3	Diethyltoluamide	191	C12H17NO	000134-62-3	94
4	3-(4-Methylbenzoyl)acrylic acid	190	C11H10O3	020972-36-5	78
5	Diethyltoluamide	191	C12H17NO	000134-62-3	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091920\
Data File : BM027476.D
Acq On : 18 Sep 2020 23:51
Operator : JU/CG
Sample : L4046-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BG0Q2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090420MA.M
Quant Title : SVOA CALIBRATION

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

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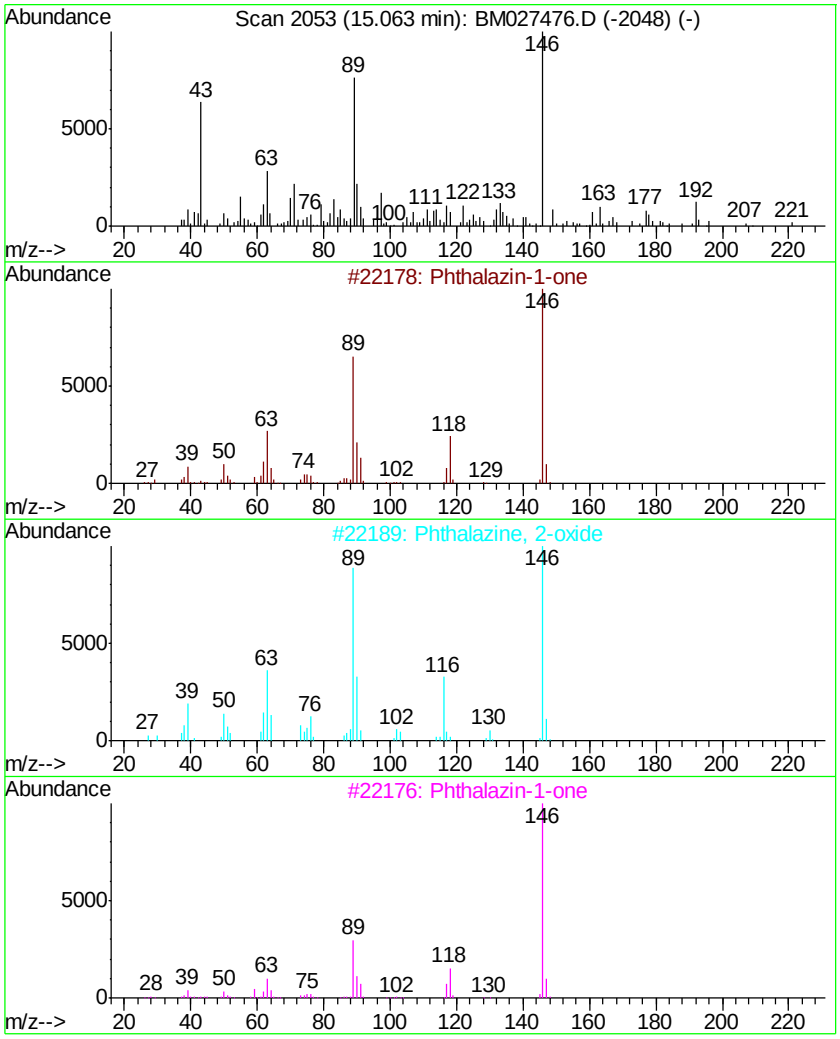
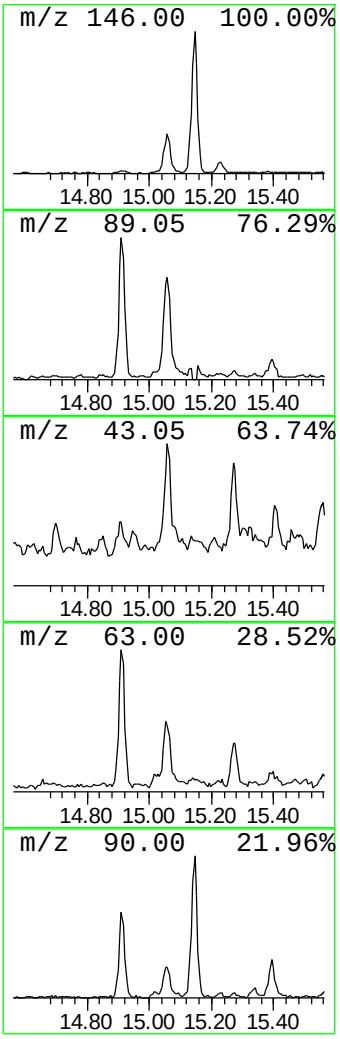
Peak Number 33 Phthalazin-1-one Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	3.02 ng/ul	294159	Acenaphthene-d10	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalazin-1-one	146	C8H6N2O	000119-39-1	93
2	Phthalazine, 2-oxide	146	C8H6N2O	018636-89-0	78
3	Phthalazin-1-one	146	C8H6N2O	000119-39-1	64
4	Phthalazine, 2-oxide	146	C8H6N2O	018636-89-0	43
5	Oxirane, 2-(4-nitrophenyl)-	165	C8H7NO3	1000362-15-5	42





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091920\
Data File : BM027476.D
Acq On : 18 Sep 2020 23:51
Operator : JU/CG
Sample : L4046-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BG0Q2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090420MA.M
Quant Title : SVOA CALIBRATION

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

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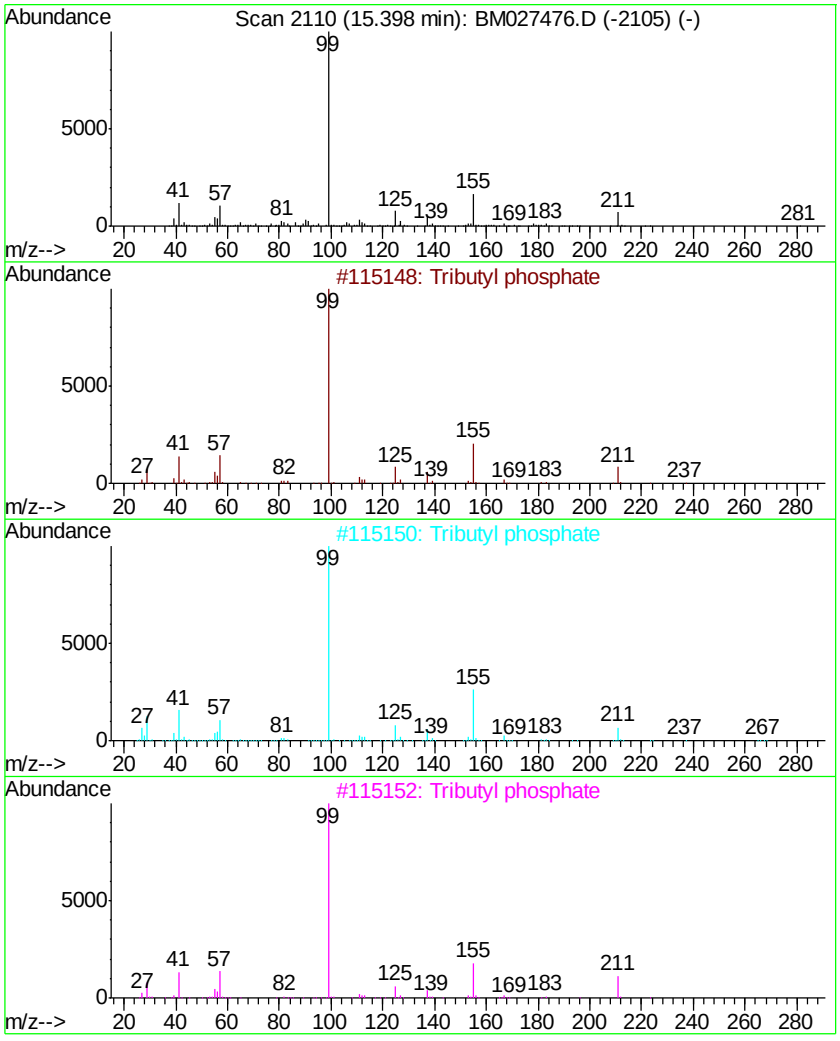
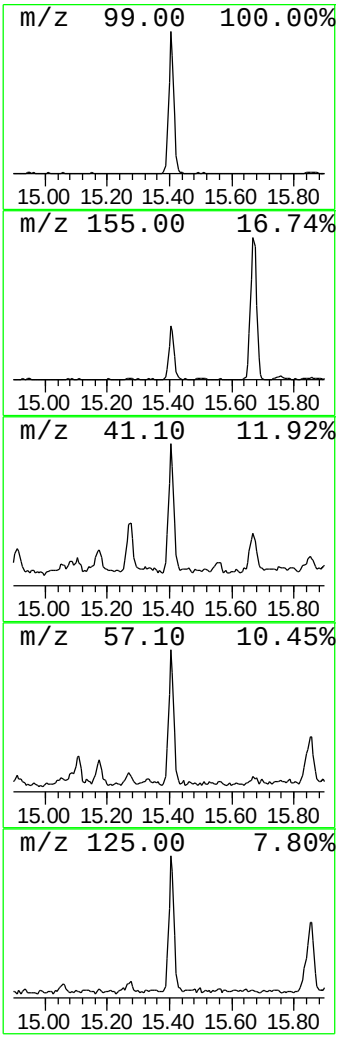
Peak Number 34 Tributyl phosphate Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.40	6.63 ng/ul	644672	Acenaphthene-d10	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tributyl phosphate	266	C12H27O4P	000126-73-8	91
2	Tributyl phosphate	266	C12H27O4P	000126-73-8	91
3	Tributyl phosphate	266	C12H27O4P	000126-73-8	90
4	Tributyl phosphate	266	C12H27O4P	000126-73-8	86
5	Tributyl phosphate	266	C12H27O4P	000126-73-8	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091920\
Data File : BM027476.D
Acq On : 18 Sep 2020 23:51
Operator : JU/CG
Sample : L4046-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BG0Q2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090420MA.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
1,3-Oxathiolane	4.19	5.4	ng/ul	284526	1	7.50	1057400	20.0
Butanamide, 3,3-d...	4.99	3.2	ng/ul	168171	1	7.50	1057400	20.0
unknown-01	5.19	4.7	ng/ul	245964	1	7.50	1057400	20.0
CH3SiH2SiH(CH3)2	5.46	2.1	ng/ul	112598	1	7.50	1057400	20.0
2,3,3-Trimethyl-2...	5.81	2.7	ng/ul	143796	1	7.50	1057400	20.0
3-Heptanone, 5-me...	6.20	2.6	ng/ul	135215	1	7.50	1057400	20.0
Ethane, 1,1'-oxyb...	6.24	2.8	ng/ul	149803	1	7.50	1057400	20.0
Benzene, propyl-	6.50	2.3	ng/ul	119891	1	7.50	1057400	20.0
Benzene, 1,2,3-tr...	7.16	2.3	ng/ul	122429	1	7.50	1057400	20.0
Mesitylene	7.62	2.1	ng/ul	109339	1	7.50	1057400	20.0
Indane	7.87	4.7	ng/ul	247938	1	7.50	1057400	20.0
2-Butenamide, N,2...	8.47	2.5	ng/ul	134347	1	7.50	1057400	20.0
unknown-02	8.73	3.9	ng/ul	205306	1	7.50	1057400	20.0
3-Octanol, 3,7-di...	8.82	6.0	ng/ul	319872	1	7.50	1057400	20.0
unknown-03	9.00	2.4	ng/ul	158505	2	10.26	1350430	20.0
Hexanoic acid, 3,...	9.13	3.1	ng/ul	209541	2	10.26	1350430	20.0
Bicyclo[3.1.1]hep...	9.54	5.7	ng/ul	382513	2	10.26	1350430	20.0
4H-1,3-Benzodioxin	9.69	2.8	ng/ul	186369	2	10.26	1350430	20.0
unknown-04	9.82	4.0	ng/ul	270054	2	10.26	1350430	20.0
(DEL) Alkane: Cyc...	10.32	3.1	ng/ul	210276	2	10.26	1350430	20.0
2-Ethoxy-4-methyl...	11.07	2.7	ng/ul	184781	2	10.26	1350430	20.0
Phenol, p-tert-bu...	11.63	80.6	ng/ul	5441780	2	10.26	1350430	20.0
unknown-05	12.19	2.6	ng/ul	173523	2	10.26	1350430	20.0
Tripropyl phosphate	12.70	10.0	ng/ul	971029	3	14.15	1944930	20.0
Metacetamol	13.07	2.4	ng/ul	230865	3	14.15	1944930	20.0
6,6-Dimethyl-cycl...	13.28	2.0	ng/ul	197914	3	14.15	1944930	20.0
Benzoic acid, p-t...	13.98	2.9	ng/ul	281708	3	14.15	1944930	20.0
unknown-06	14.20	2.7	ng/ul	263765	3	14.15	1944930	20.0
Diethyltoluamide	14.91	12.6	ng/ul	1227800	3	14.15	1944930	20.0
Phthalazin-1-one	15.06	3.0	ng/ul	294159	3	14.15	1944930	20.0
Tributyl phosphate	15.40	6.6	ng/ul	644672	3	14.15	1944930	20.0