LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071719\
Data File : BM021533.D
Acq On : 18 Jul 2019 20:57
Operator : HP/JU
Sample : K3822-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : HD-01-070219

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-BM070819MA.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.246	379	384	391	rVB	783979	1144453	1.09%	0.229%
2	5.375	401	406	420	rVB	1819175	3654602	3.47%	0.733%
3	5.740	460	468	477	rVB2	1450949	2412176	2.29%	0.484%
4	6.210	543	548	554	rVB	273374	388210	0.37%	0.078%
5	6.804	643	649	654	rBV	2278759	3338996	3.17%	0.669%
6	6.863	654	659	666	rVV	1239423	2047356	1.94%	0.410%
7	6.940	666	672	683	rVB	2842855	4298160	4.08%	0.862%
8	7.063	688	693	696	rBV	489704	765409	0.73%	0.153%
9	7.098	696	699	704	rVV	596546	907866	0.86%	0.182%
10	7.251	718	725	731	rBV	620394	983229	0.93%	0.197%
11	7.363	737	744	751	rVV	6103439	9709487	9.22%	1.947%
12	7.440	751	757	765	rVB	2138372	3340693	3.17%	0.670%
13	7.716	798	804	814	rVV2	508748	1147490	1.09%	0.230%
14	7.822	815	822	830	rVV	2287219	3694490	3.51%	0.741%
15	8.098	859	869	875	rBV	22294899	41317224	39.25%	8.283%
16	8.198	882	886	889	rVV	314151	461139	0.44%	0.092%
17	8.257	889	896	903	rVV	16313089	27962148	26.56%	5.606%
18	8.339	904	910	916	rVV	1113204	1704322	1.62%	0.342%
19	8.428	916	925	931	rVV2	531739	980124	0.93%	0.196%
20	8.651	957	963	968	rVV	308411	477862	0.45%	0.096%
21	8.704	968	972	980	rVV	322325	496151	0.47%	0.099%
22	8.804	982	989	996	rVV2	1494244	2410535	2.29%	0.483%
23	8.886	996	1003	1010	rVV	2896992	4619942	4.39%	0.926%
24	9.063	1024	1033	1040	rVB	3394833	5462020	5.19%	1.095%
25	9.192	1040	1055	1060	rBV	6263156	13564226	12.89%	2.719%
26	9.245	1060	1064	1072	rVV	1953520	3075344	2.92%	0.617%
27	9.322	1072	1077	1082	rVV	802852	1247982	1.19%	0.250%
28	9.386	1082	1088	1094	rVB	980757	1525355	1.45%	0.306%
29	9.598	1117	1124	1134	rVB	619449	1186052	1.13%	0.238%
30	9.745	1143	1149	1162	rVB	2518296	4057629	3.85%	0.813%
31	9.892	1162	1174	1186	rBV3	3768828	8154576	7.75%	1.635%
32	9.998	1186	1192	1204	rVB	761587	1842847	1.75%	0.369%
33	10.133	1208	1215	1222	rVB	2534329	4243877	4.03%	0.851%
34	10.598	1273	1294	1299	rVV2	35110915	105266883	100.00%	21.104%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071719\
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Acq On : 18 Jul 2019 20:57
Operator : HP/JU
Sample : K3822-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : HD-01-070219

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-BM070819MA.M
Title : SVOA CALIBRATION

35	10.692	1299	1310	1316	rVV	11657068	19447847	18.47%	3.899%
36	10.869	1334	1340	1344	rBV3	490985	868589	0.83%	0.174%
37	10.910	1344	1347	1354	rVB	247060	426152	0.40%	0.085%
38	11.616	1458	1467	1476	rBV2	534261	1174321	1.12%	0.235%
39	11.910	1508	1517	1524	rBV	2469536	4113356	3.91%	0.825%
40	12.063	1537	1543	1552	rVB	1264801	2080301	1.98%	0.417%
41	12.186	1552	1564	1569	rBV	21834268	39408206	37.44%	7.901%
42	12.292	1576	1582	1587	rBV	735340	1225487	1.16%	0.246%
43	12.398	1587	1600	1609	rVB	14685341	25691749	24.41%	5.151%
44	12.780	1658	1665	1668	rBV2	210560	434315	0.41%	0.087%
45	12.816	1668	1671	1679	rVB	445017	654864	0.62%	0.131%
46	12.892	1679	1684	1691	rBV4	221341	366515	0.35%	0.073%
47	13.104	1715	1720	1723	rVV	305026	555503	0.53%	0.111%
48	13.186	1728	1734	1740	rVB	4289181	6721942	6.39%	1.348%
49	13.333	1754	1759	1763	rBV	379252	608772	0.58%	0.122%
50	13.380	1763	1767	1777	rVB	633175	1202430	1.14%	0.241%
51	13.504	1781	1788	1791	rBV2	979388	1822002	1.73%	0.365%
52	13.533	1791	1793	1800	rVB2	836936	1186142	1.13%	0.238%
53	13.674	1808	1817	1822	rBV	1140387	2045443	1.94%	0.410%
54	13.733	1822	1827	1830	rVV	650190	942617	0.90%	0.189%
55	13.780	1830	1835	1840	rVB	1661773	2268289	2.15%	0.455%
56	13.916	1849	1858	1861	rBV2	363687	629924	0.60%	0.126%
57	14.051	1875	1881	1884	rBV	1872595	2957294	2.81%	0.593%
58	14.080	1884	1886	1894	rVB	1080748	1432100	1.36%	0.287%
59	14.363	1924	1934	1939	rBV3	997353	2069697	1.97%	0.415%
60	14.433	1939	1946	1952	rVB	11844986	17794295	16.90%	3.567%
61	14.504	1952	1958	1962	rBV	738024	1097864	1.04%	0.220%
62	14.557	1962	1967	1971	rBV2	413172	630724	0.60%	0.126%
63	14.668	1982	1986	1992	rVB2	246490	431119	0.41%	0.086%
64	14.763	1995	2002	2012	rVB	7274985	11088605	10.53%	2.223%
65	14.880	2012	2022	2031	rVB	702037	1403128	1.33%	0.281%
66	14.992	2032	2041	2045	rBV7	117711	365812	0.35%	0.073%
67	15.357	2099	2103	2108	rVB	2536768	3695307	3.51%	0.741%
68	15.415	2108	2113	2121	rVB	7095935	10049301	9.55%	2.015%
69	15.498	2121	2127	2131	rBV2	876616	1340959	1.27%	0.269%
70	15.657	2144	2154	2158	rVB4	194601	514806	0.49%	0.103%
71	15.704	2158	2162	2167	rBV2	377801	508767	0.48%	0.102%

LSC Area Percent Report

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Data File : BM021533.D
Acq On : 18 Jul 2019 20:57
Operator : HP/JU
Sample : K3822-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : HD-01-070219

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-BM070819MA.M
Title : SVOA CALIBRATION

72	15.757	2167	2171	2178	rVB	282051	378401	0.36%	0.076%
73	15.857	2183	2188	2192	rBV2	331679	588285	0.56%	0.118%
74	16.104	2223	2230	2232	rBV2	2099114	3689754	3.51%	0.740%
75	16.245	2244	2254	2262	rBV	1655634	3159156	3.00%	0.633%
76	16.392	2275	2279	2288	rVB4	655795	1506391	1.43%	0.302%
77	16.692	2325	2330	2334	rVB	463148	741117	0.70%	0.149%
78	16.827	2347	2353	2360	rVB	702205	1182780	1.12%	0.237%
79	16.933	2367	2371	2376	rVB	531211	746708	0.71%	0.150%
80	17.033	2380	2388	2394	rBV	913166	1823692	1.73%	0.366%
81	17.115	2397	2402	2405	rBV	1244561	1816575	1.73%	0.364%
82	17.157	2405	2409	2414	rVB	6826594	9212967	8.75%	1.847%
83	17.215	2414	2419	2423	rBV2	3435131	5030142	4.78%	1.008%
84	17.292	2430	2432	2440	rVB3	348855	615291	0.58%	0.123%
85	17.527	2461	2472	2477	rBV2	1696571	3499577	3.32%	0.702%
86	17.621	2484	2488	2495	rVV3	192125	416722	0.40%	0.084%
87	18.015	2547	2555	2568	rVV4	1487716	3128632	2.97%	0.627%
88	18.186	2578	2584	2588	rBV	679920	996508	0.95%	0.200%
89	18.298	2595	2603	2607	rBV4	155770	402098	0.38%	0.081%
90	18.480	2630	2634	2640	rVV3	543375	933269	0.89%	0.187%
91	18.539	2640	2644	2648	rVV2	335965	445720	0.42%	0.089%
92	19.174	2747	2752	2757	rVB	1862755	2297695	2.18%	0.461%
93	19.286	2766	2771	2782	rVB3	586944	1015725	0.96%	0.204%
94	19.509	2803	2809	2812	rBV	3818511	5108406	4.85%	1.024%
95	19.539	2812	2814	2822	rVB	1074963	1270384	1.21%	0.255%
96	19.927	2875	2880	2888	rBV	393467	600925	0.57%	0.120%
97	20.680	3004	3008	3015	rVB	383870	571327	0.54%	0.115%
98	21.303	3108	3114	3118	rBV	1849017	2519779	2.39%	0.505%
99	23.415	3466	3473	3485	rVB	3013173	5556834	5.28%	1.114%
100	23.556	3491	3497	3511	rVB	1252917	2406362	2.29%	0.482%

Sum of corrected areas: 498804621

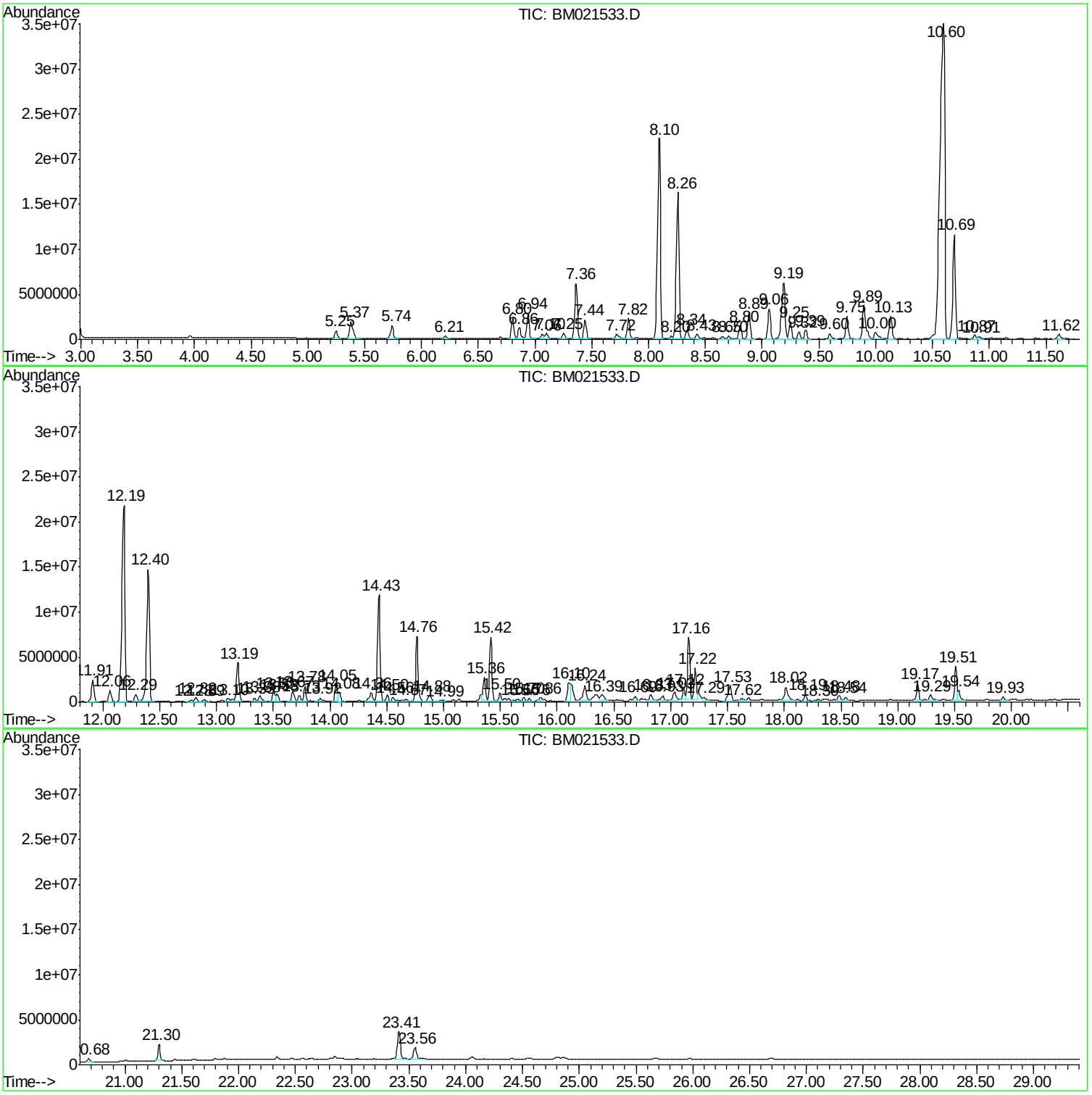
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071719\
Data File : BM021533.D
Acq On : 18 Jul 2019 20:57
Operator : HP/JU
Sample : K3822-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : HD-01-070219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM070819MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071719\
Data File : BM021533.D
Acq On : 18 Jul 2019 20:57
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Sample : K3822-02
Misc :
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Instrument : BNA_M
ClientSampleId : HD-01-070219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM070819MA.M
Quant Title : SVOA CALIBRATION

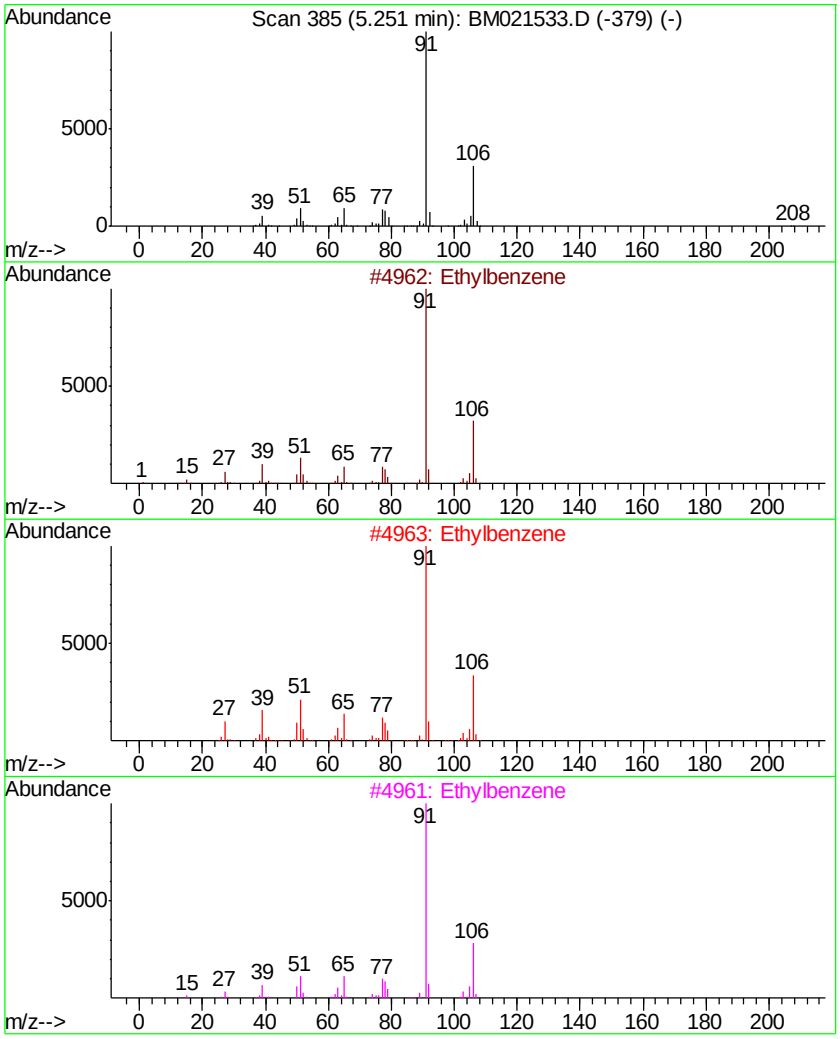
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

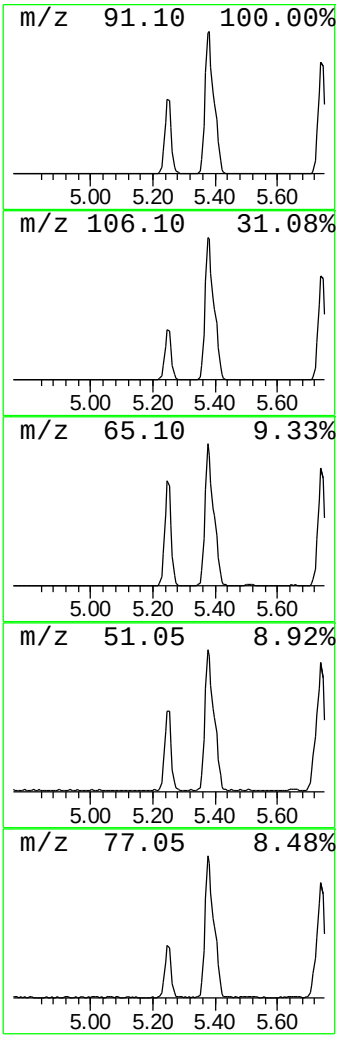
****

Peak Number 1 Ethylbenzene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.25	19.95 ng/ul	1144450	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethylbenzene	106	C8H10	000100-41-4	94
2	Ethylbenzene	106	C8H10	000100-41-4	91
3	Ethylbenzene	106	C8H10	000100-41-4	91
4	Ethylbenzene	106	C8H10	000100-41-4	90
5	1,3-Cyclopentadiene, 5-(1-methyl...	106	C8H10	002175-91-9	80





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071719\
Data File : BM021533.D
Acq On : 18 Jul 2019 20:57
Operator : HP/JU
Sample : K3822-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : HD-01-070219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM070819MA.M
Quant Title : SVOA CALIBRATION

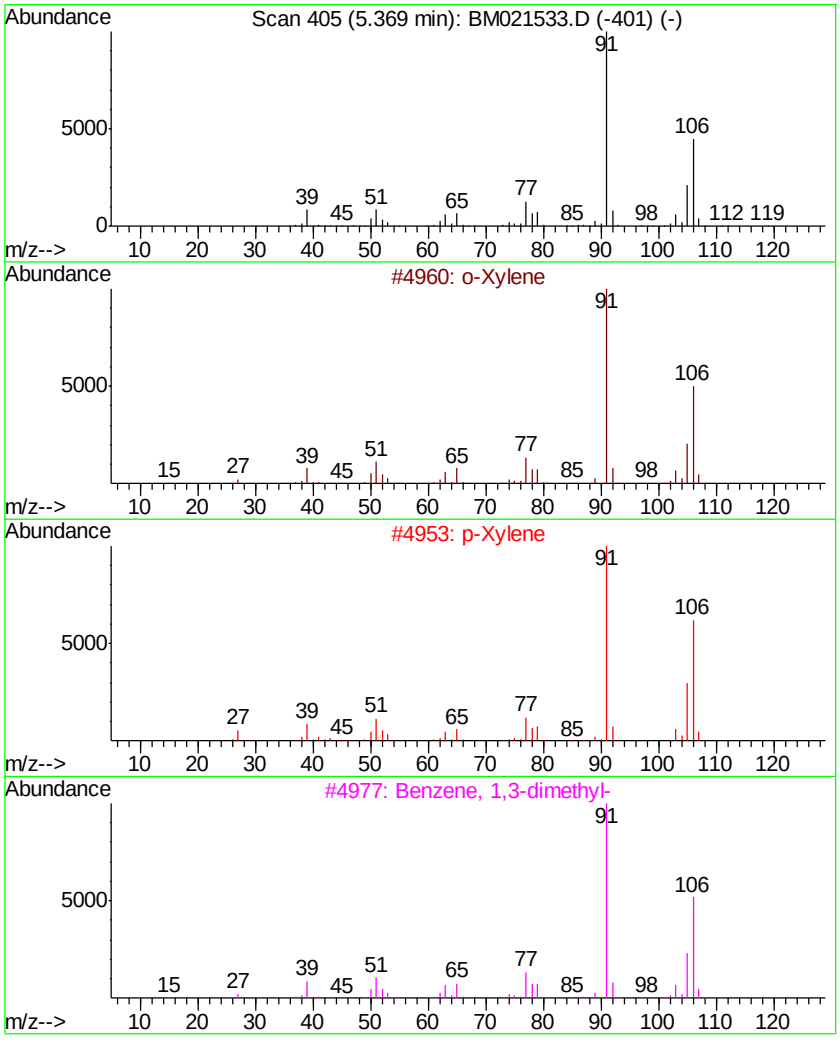
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

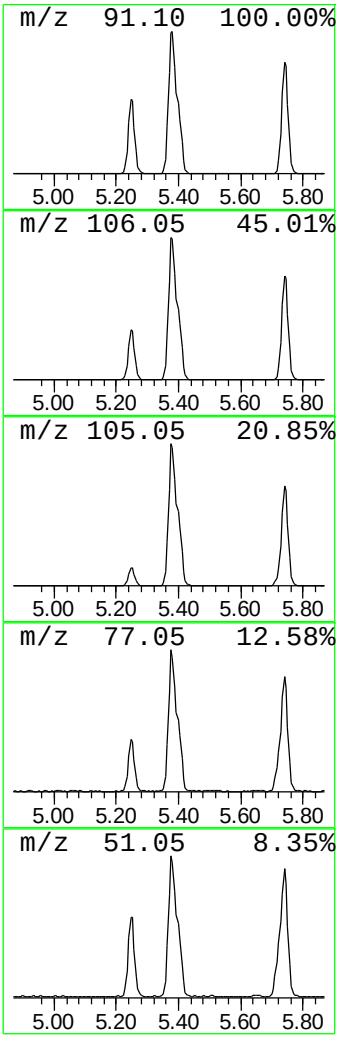
****

Peak Number 2 o-Xylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.37	63.70 ng/ul	3654600	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Xylene	106	C8H10	000095-47-6	97
2	p-Xylene	106	C8H10	000106-42-3	97
3	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
4	p-Xylene	106	C8H10	000106-42-3	95
5	p-Xylene	106	C8H10	000106-42-3	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071719\
Data File : BM021533.D
Acq On : 18 Jul 2019 20:57
Operator : HP/JU
Sample : K3822-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : HD-01-070219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM070819MA.M
Quant Title : SVOA CALIBRATION

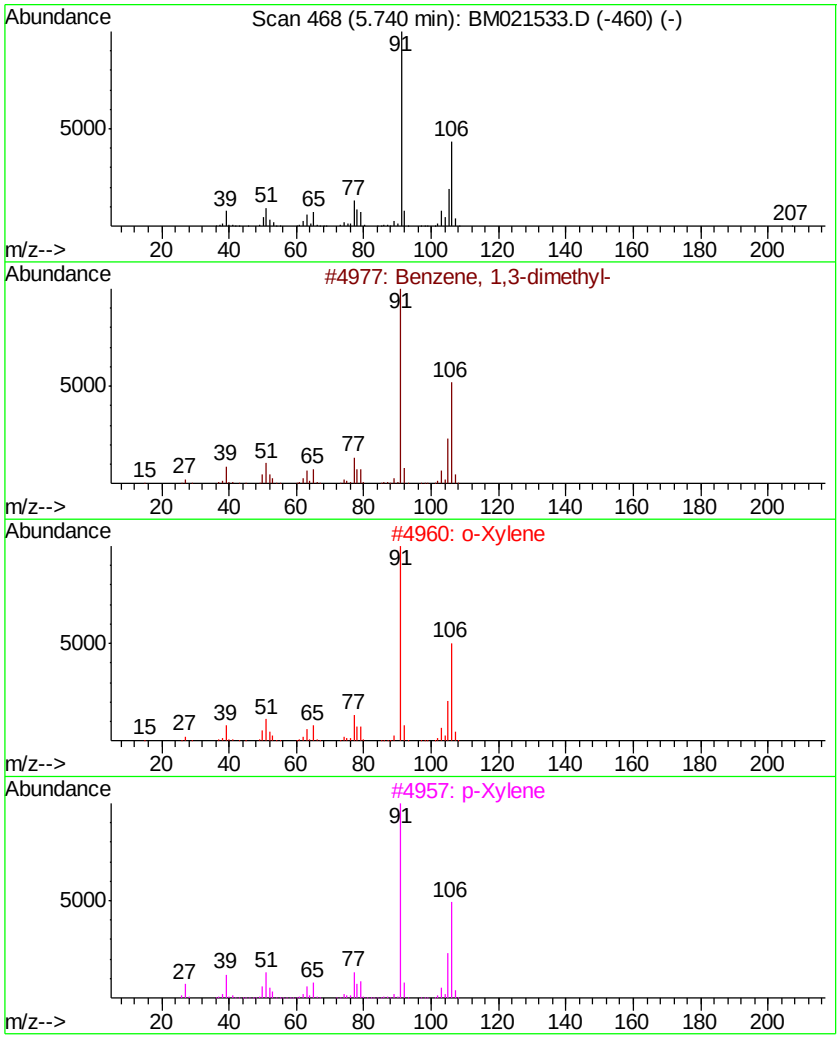
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

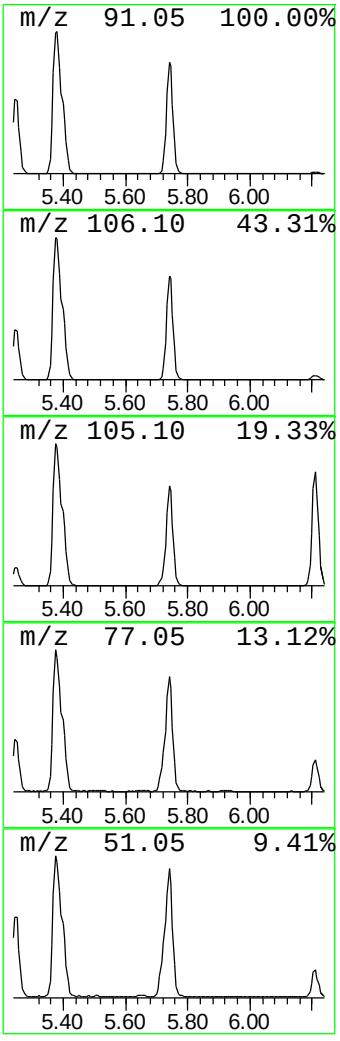
****

Peak Number 3 Benzene, 1,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.74	42.04 ng/ul	2412180	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	95
2	o-Xylene	106	C8H10	000095-47-6	95
3	p-Xylene	106	C8H10	000106-42-3	95
4	p-Xylene	106	C8H10	000106-42-3	95
5	p-Xylene	106	C8H10	000106-42-3	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071719\
Data File : BM021533.D
Acq On : 18 Jul 2019 20:57
Operator : HP/JU
Sample : K3822-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : HD-01-070219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM070819MA.M
Quant Title : SVOA CALIBRATION

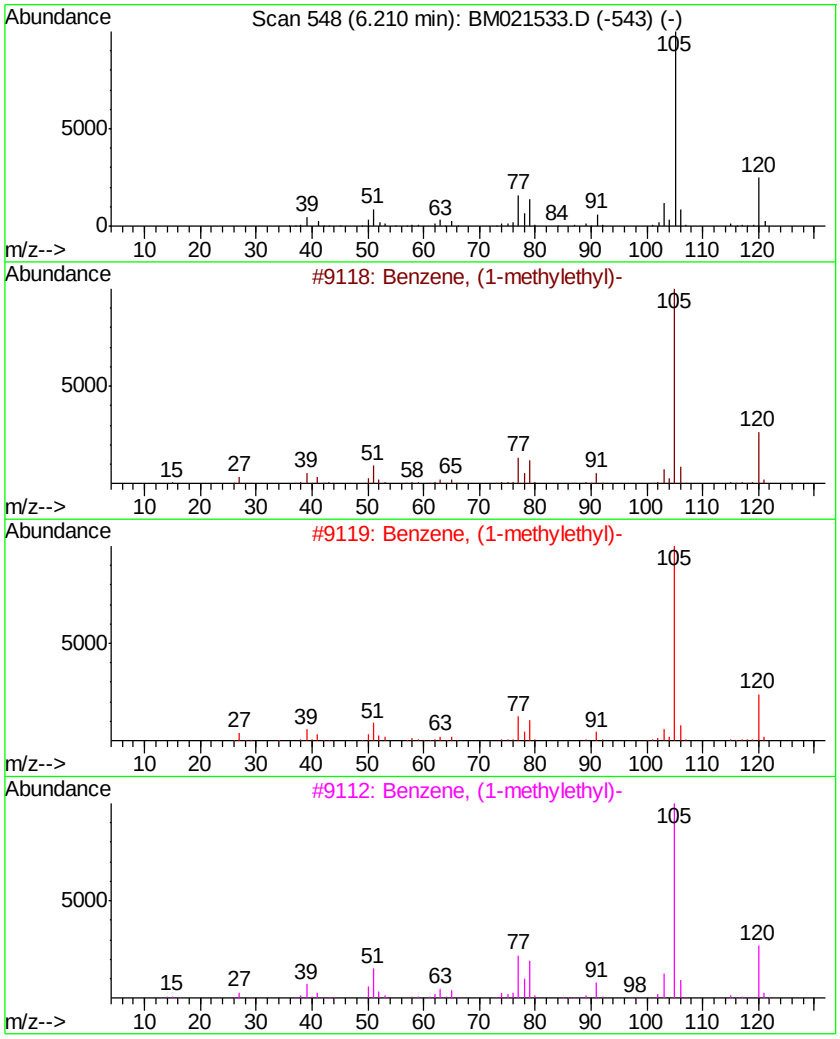
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

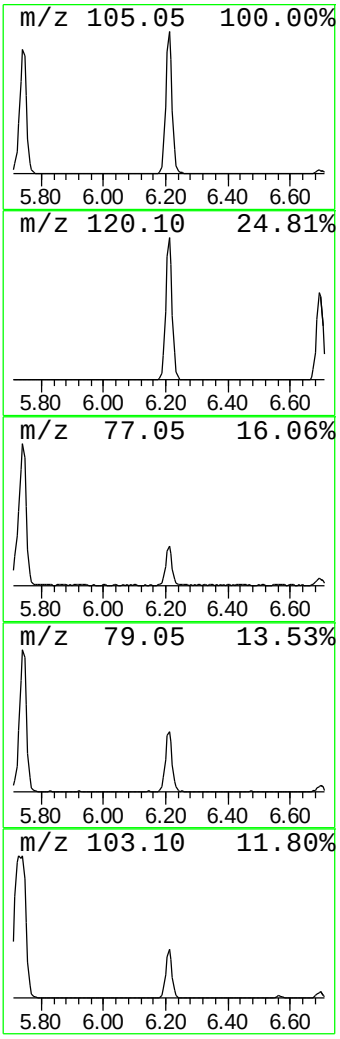
****

Peak Number 4 Benzene, (1-methylethyl)- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.21	6.77 ng/ul	388210	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	94
2	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	94
3	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	94
4	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071719\
Data File : BM021533.D
Acq On : 18 Jul 2019 20:57
Operator : HP/JU
Sample : K3822-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : HD-01-070219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM070819MA.M
Quant Title : SVOA CALIBRATION

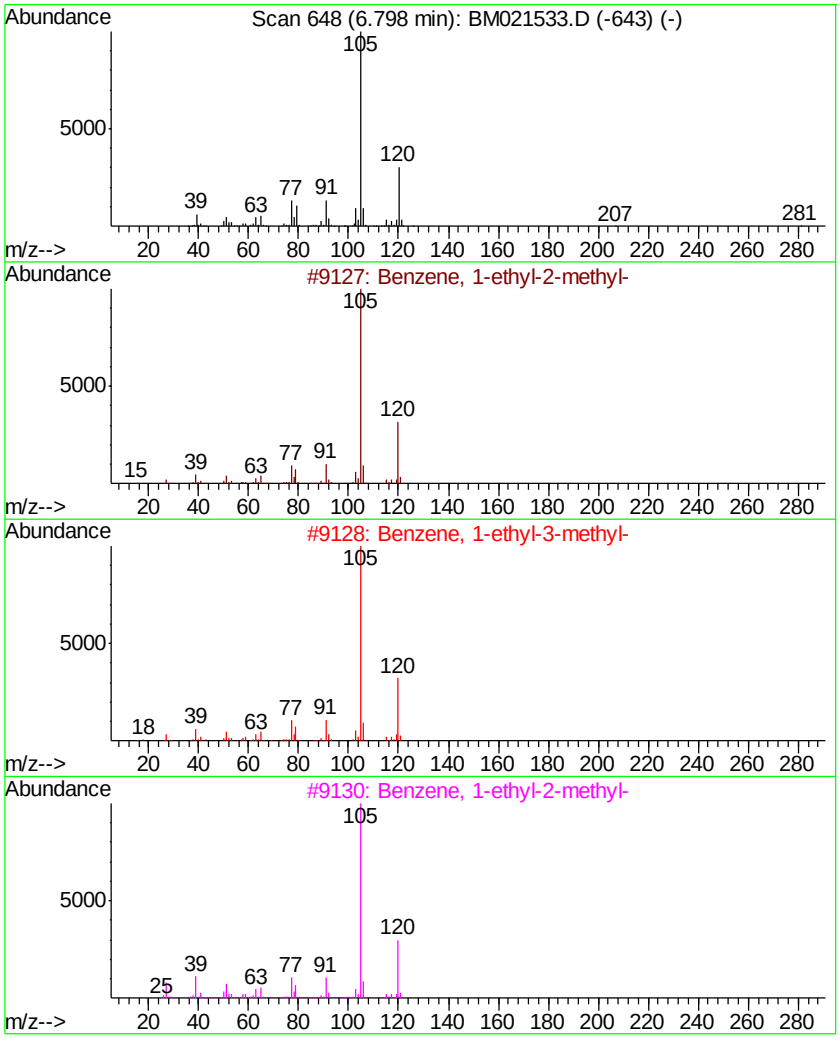
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

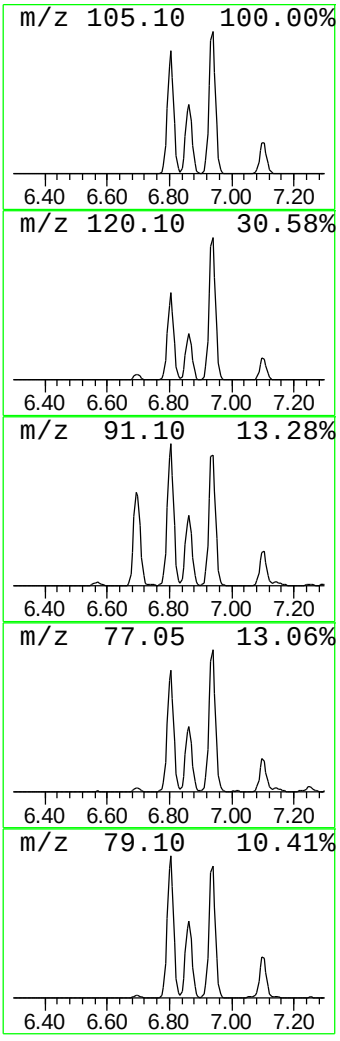
****

Peak Number 5 Benzene, 1-ethyl-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.80	58.20 ng/ul	3339000	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





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Operator : HP/JU
Sample : K3822-02
Misc :
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Instrument : BNA_M
ClientSampleId : HD-01-070219

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Quant Title : SVOA CALIBRATION

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

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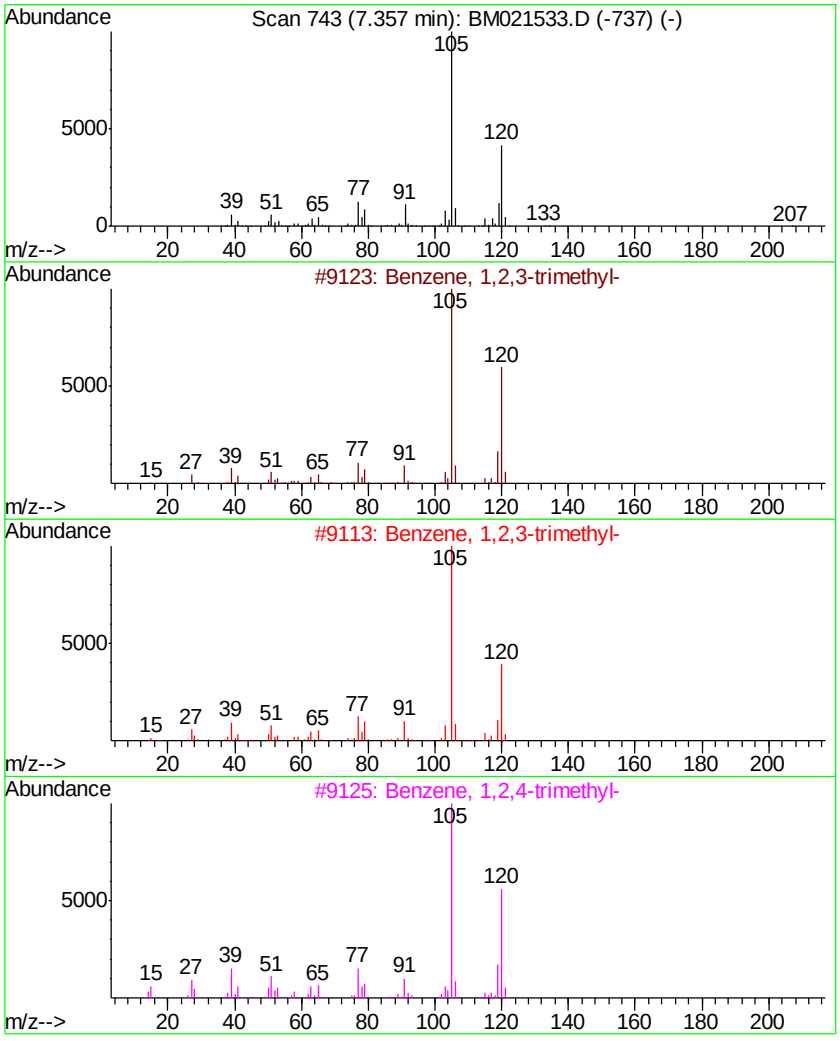
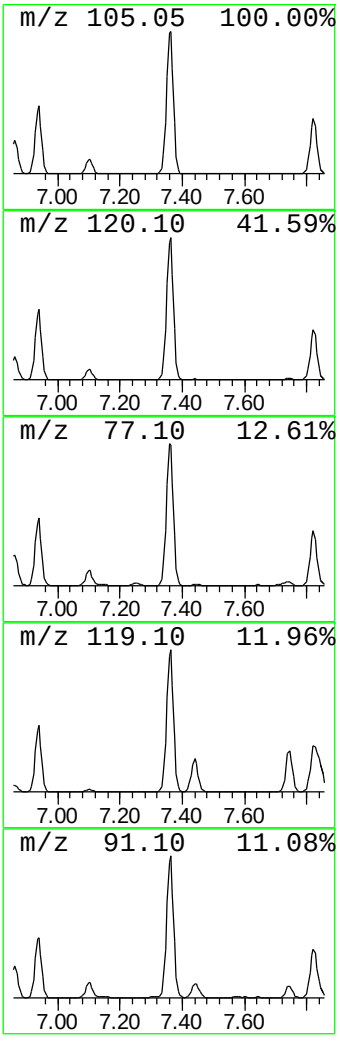
Peak Number 6 Benzene, 1,2,3-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.36	169.23 ng/ul	9709490	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91





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Quant Title : SVOA CALIBRATION

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

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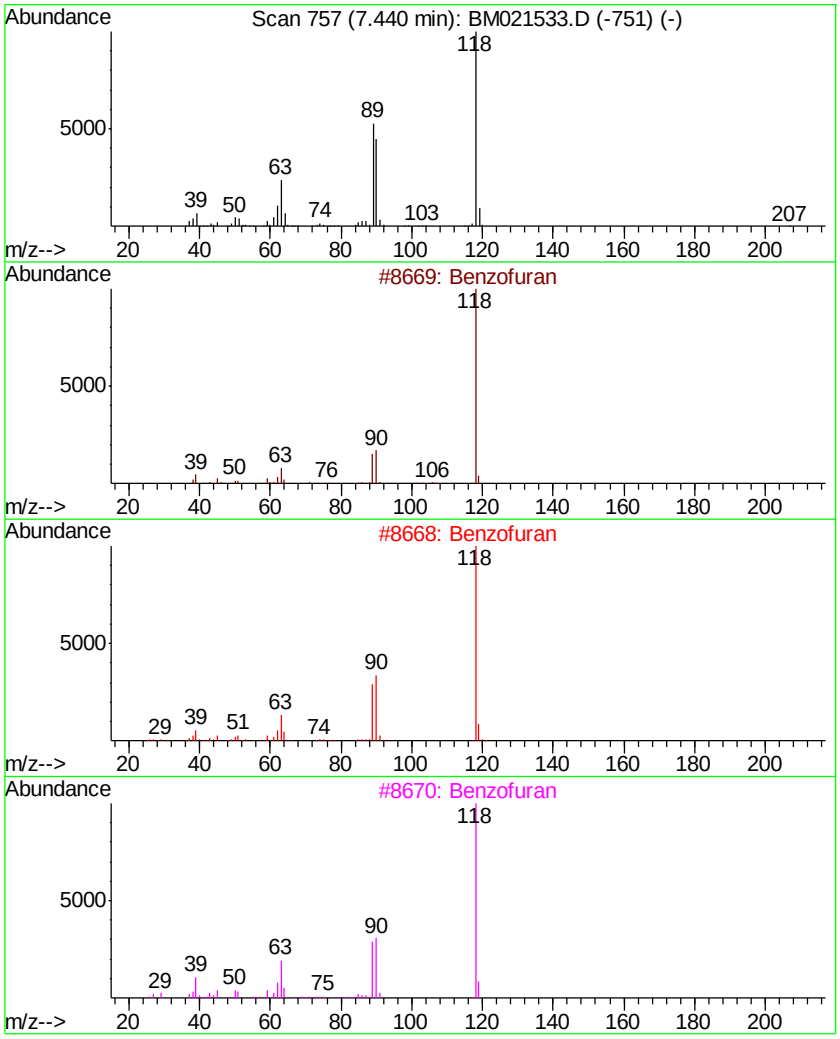
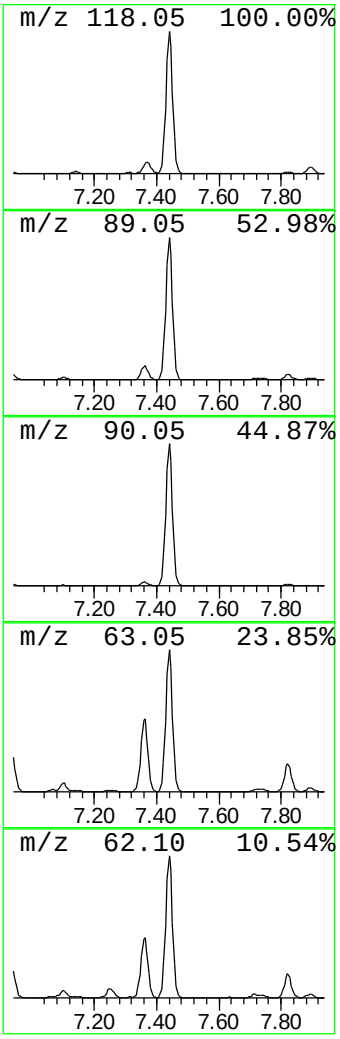
Peak Number 7 Benzofuran Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.44	58.23 ng/ul	3340690	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	91
2	Benzofuran	118	C8H6O	000271-89-6	91
3	Benzofuran	118	C8H6O	000271-89-6	90
4	3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	87
5	2H-Cyclopenta[d]pyridazine	118	C7H6N2	000270-64-4	45





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ClientSampleId : HD-01-070219

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Quant Title : SVOA CALIBRATION

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

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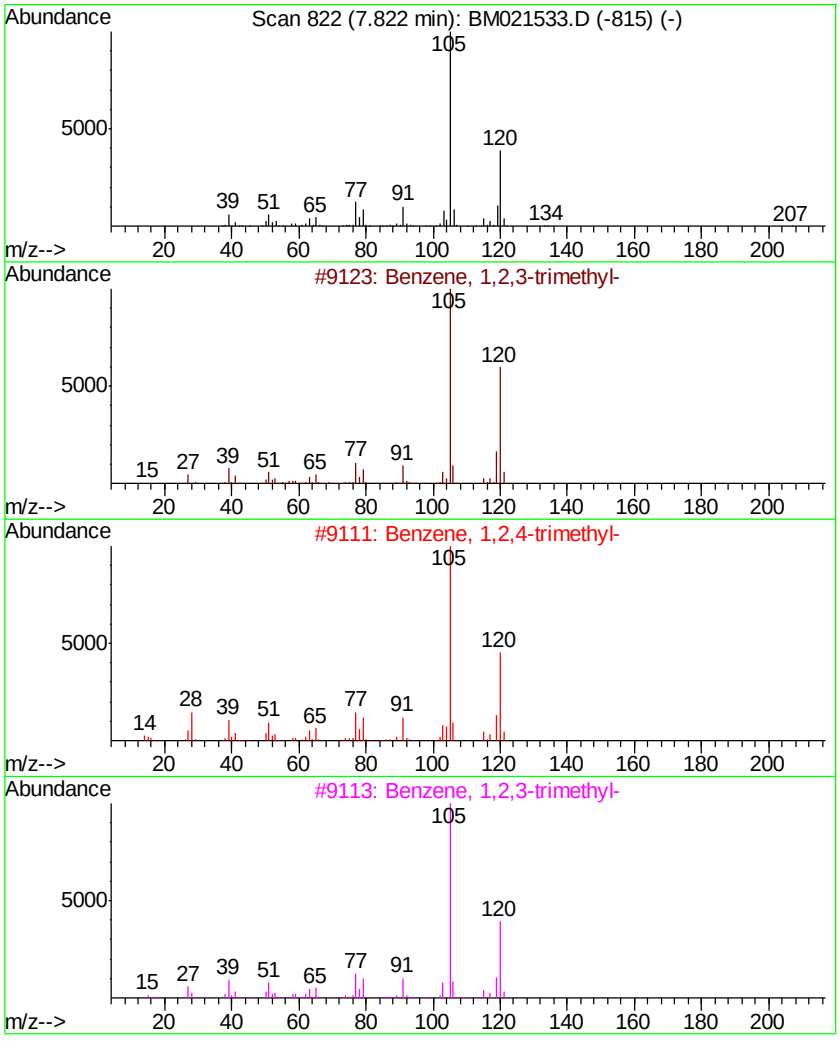
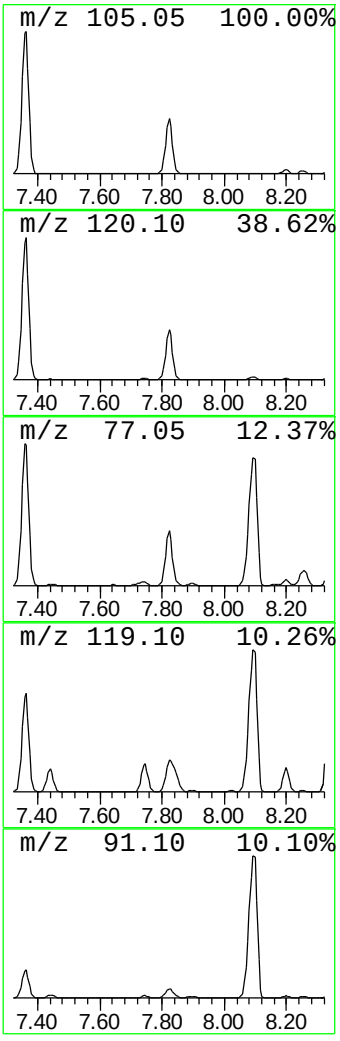
Peak Number 8 Benzene, 1,2,4-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.82	64.39 ng/ul	3694490	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
4	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
5	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91





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ClientSampleId : HD-01-070219

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Quant Title : SVOA CALIBRATION

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

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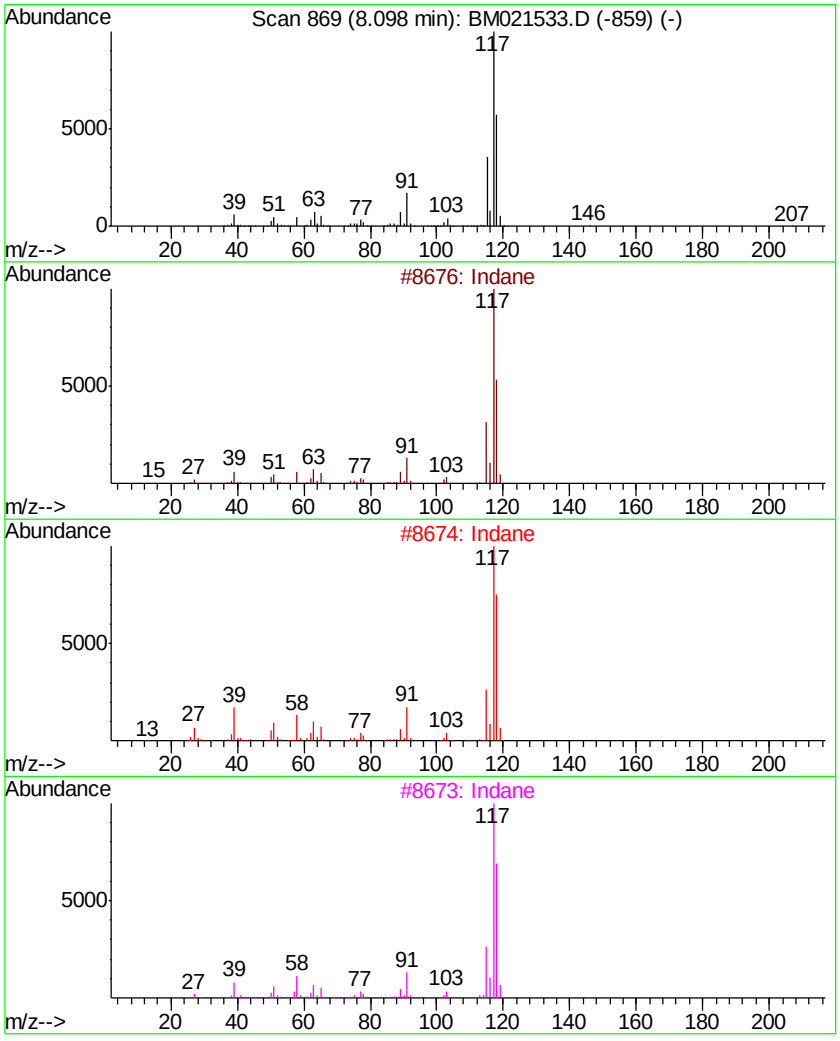
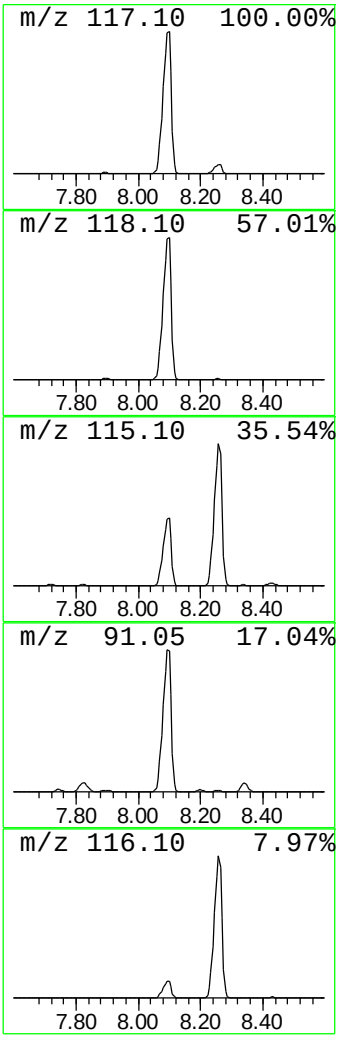
Peak Number 9 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.10	720.13 ng/ul	41317200	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Indane	118	C9H10	000496-11-7	91
3	Indane	118	C9H10	000496-11-7	87
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	80
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	74





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Quant Title : SVOA CALIBRATION

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

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Peak Number 10 Benzene, 1,4-diethyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.20	8.04 ng/ul	461139	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	95
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
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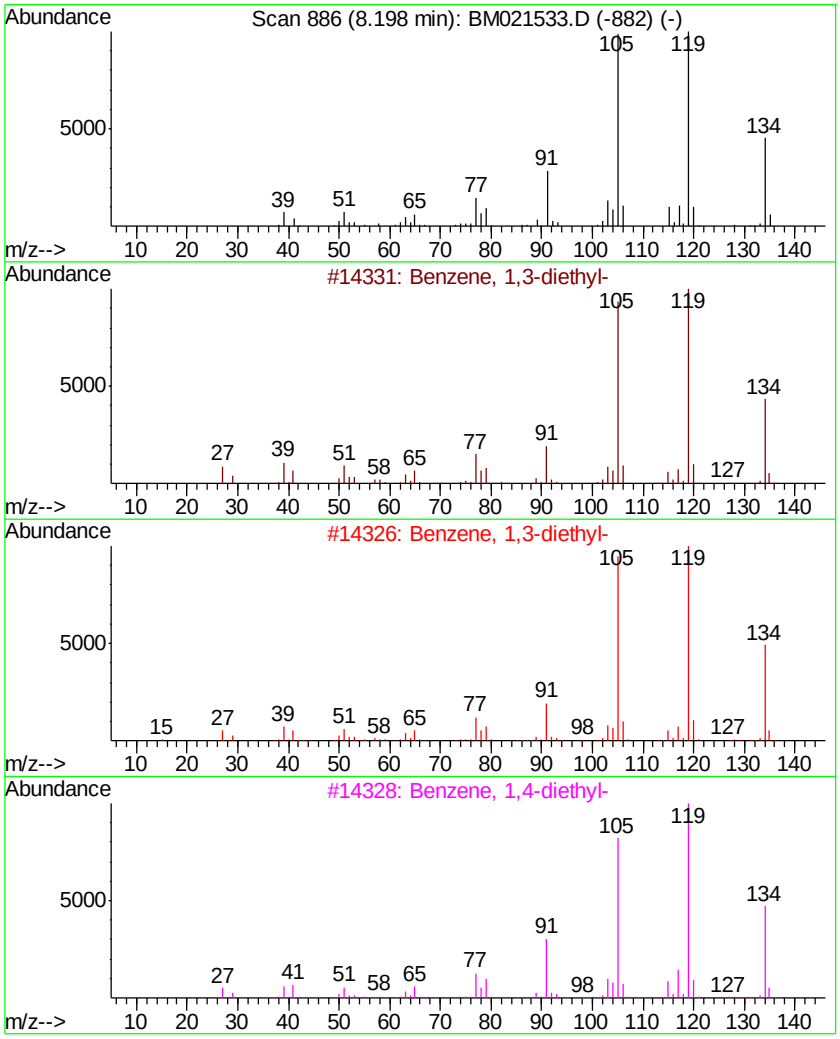

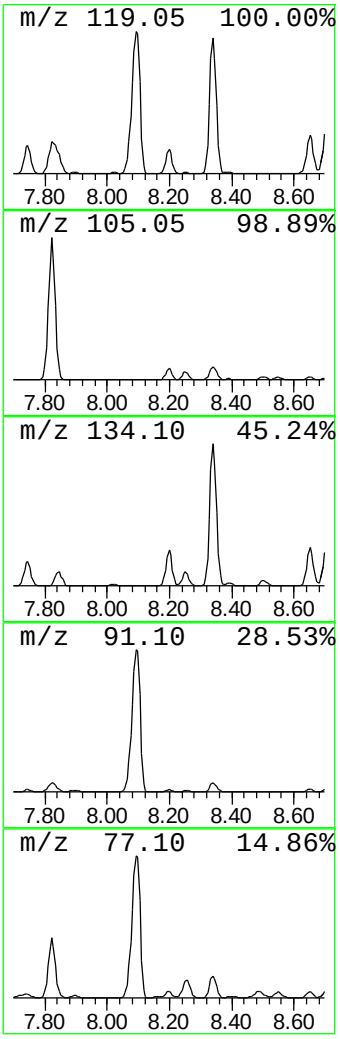

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ClientSampleId : HD-01-070219

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Quant Title : SVOA CALIBRATION

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

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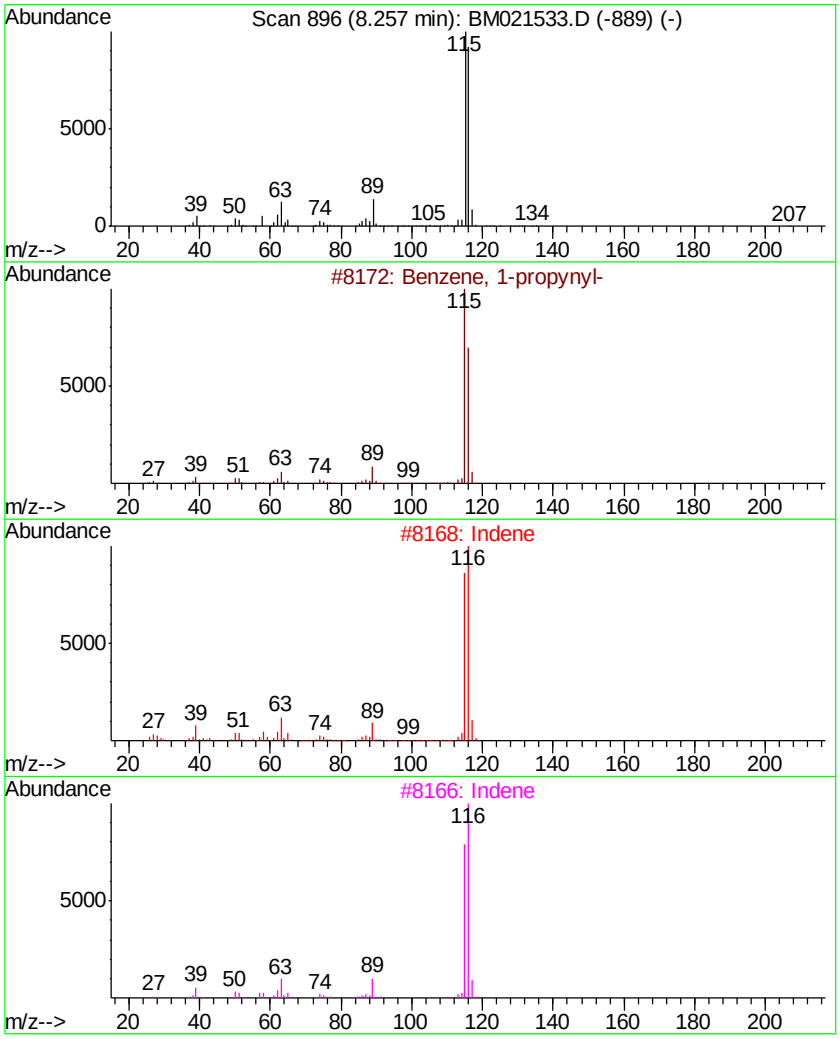
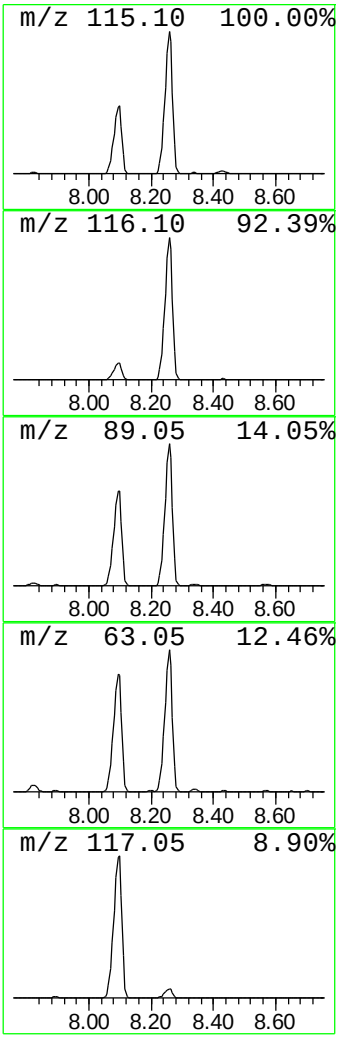
Peak Number 11 Benzene, 1-propynyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.26	487.36 ng/ul	27962100	1,4-Dichlorobenzene-d4	7.72

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





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Quant Title : SVOA CALIBRATION

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

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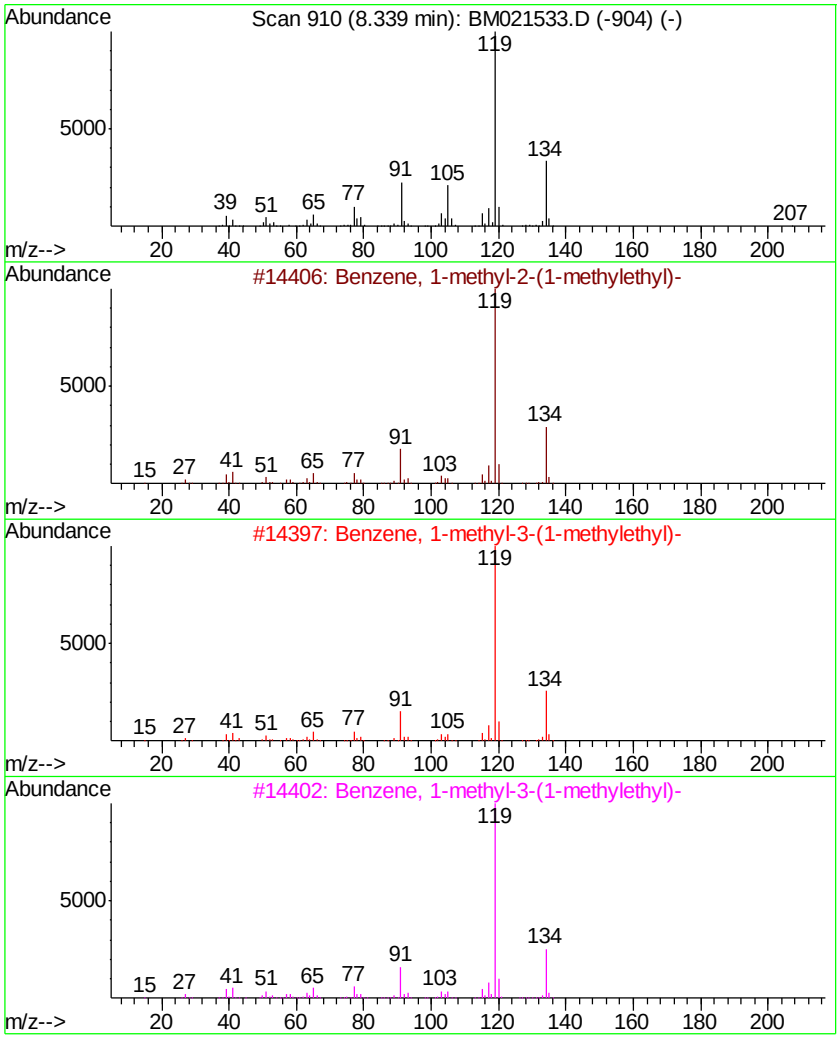
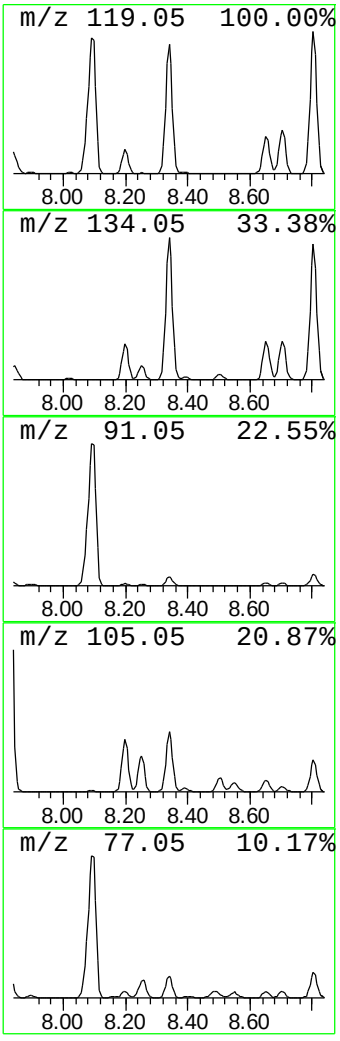
Peak Number 12 Benzene, 1-methyl-2-(1-meth... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.34	29.71 ng/ul	1704320	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	95
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94





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Quant Title : SVOA CALIBRATION

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

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Peak Number 13 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	8.33 ng/ul	477862	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	95
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
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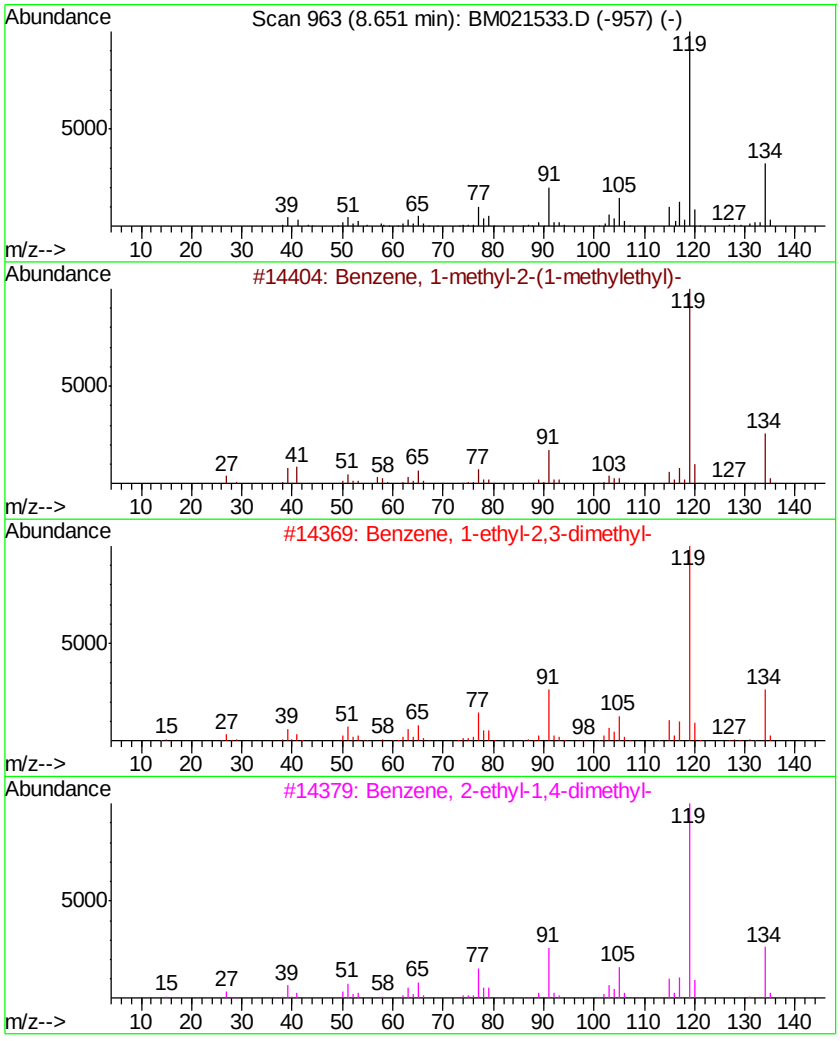

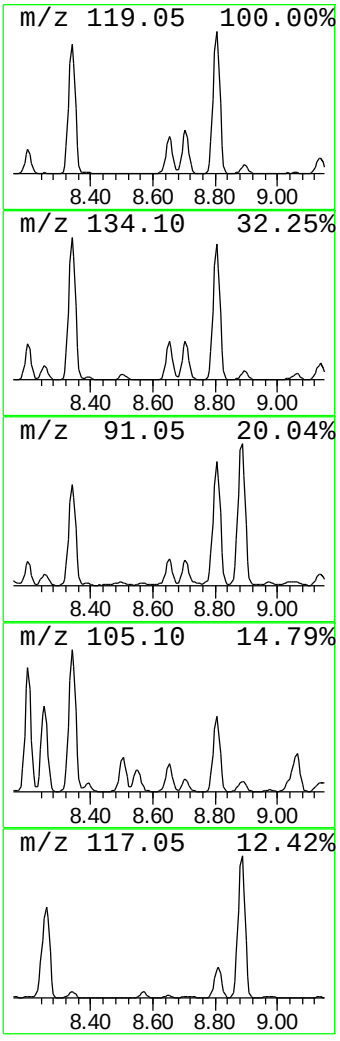

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Quant Title : SVOA CALIBRATION

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

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Peak Number 14 Benzene, 1-methyl-3-(1-meth... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.70	8.65 ng/ul	496151	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	97
2	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	97
3	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	97
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	97
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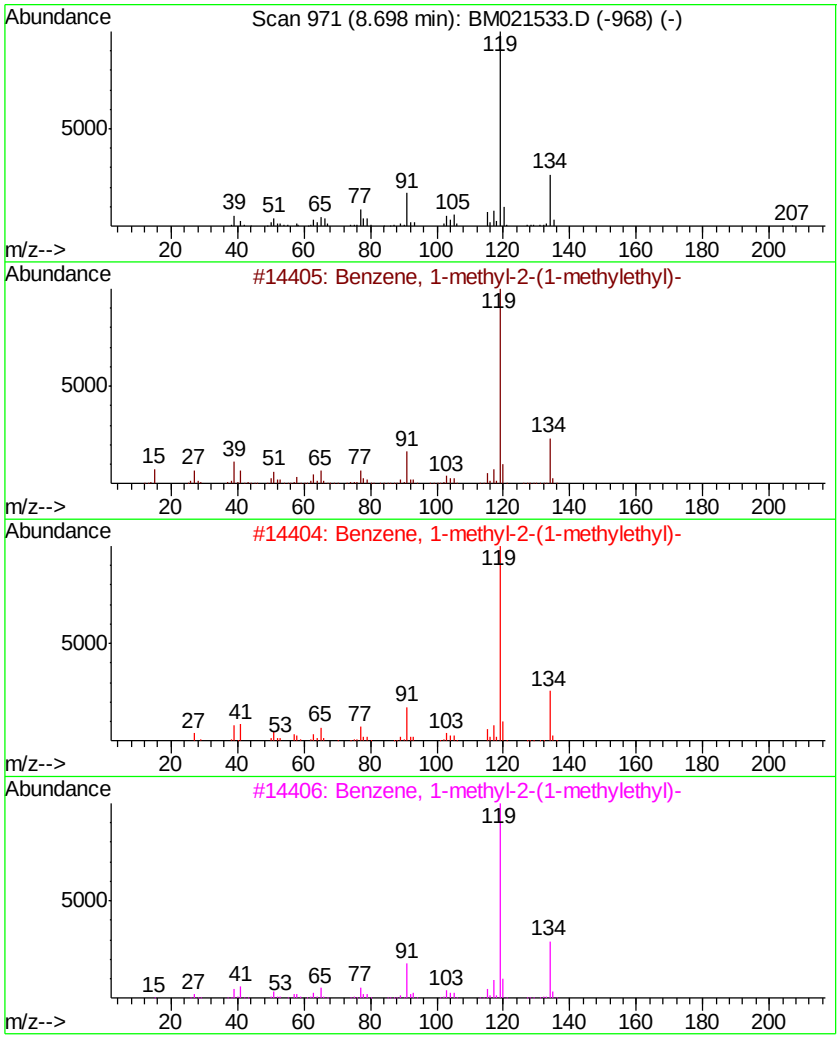

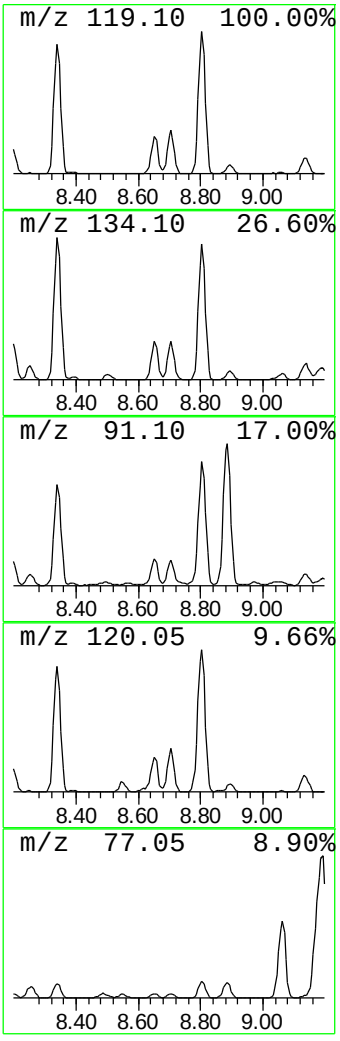

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Quant Title : SVOA CALIBRATION

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

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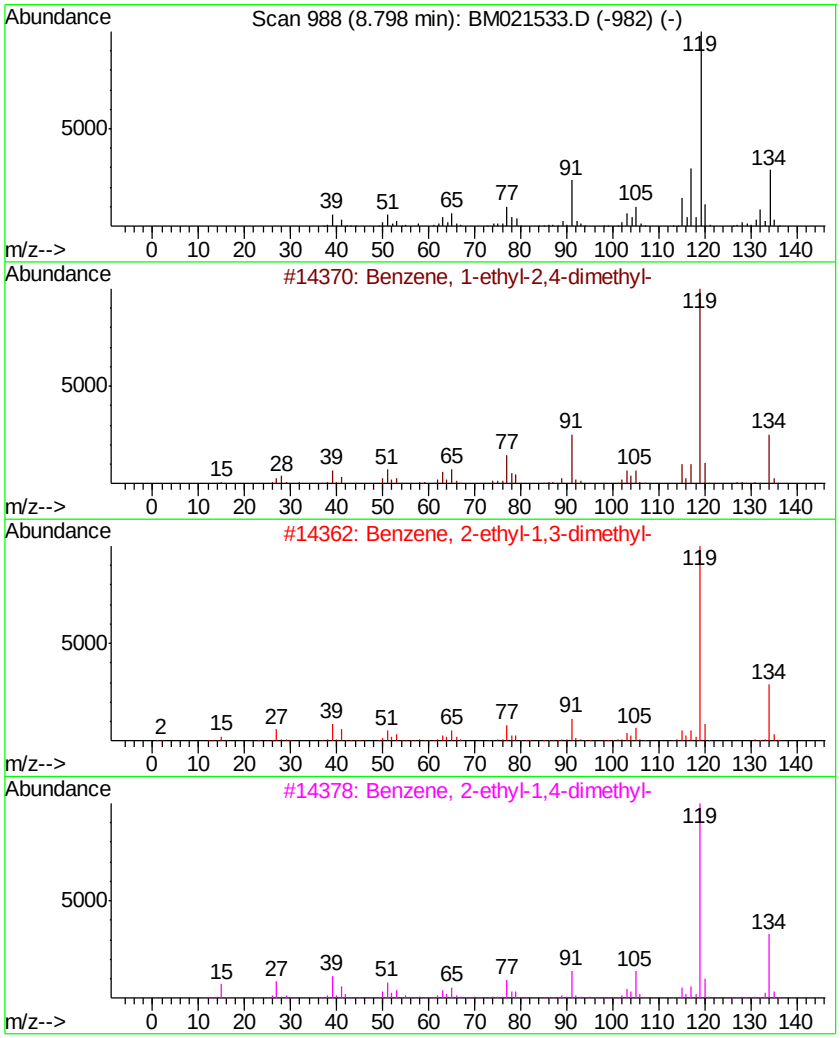
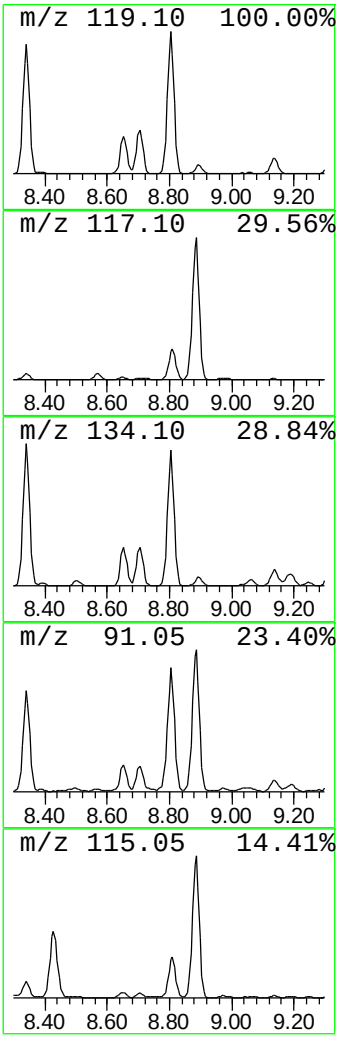
Peak Number 15 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.80	42.01 ng/ul	2410540	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	76
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	76
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	76
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	76
5	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	76





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Quant Title : SVOA CALIBRATION

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

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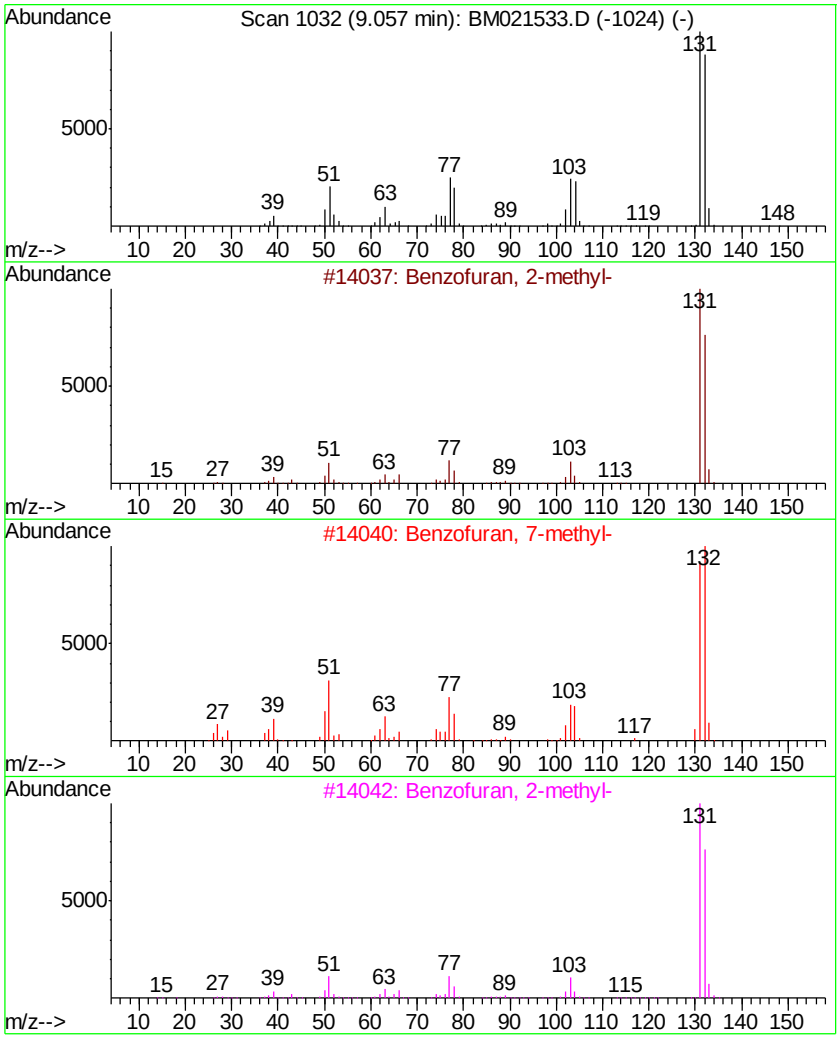
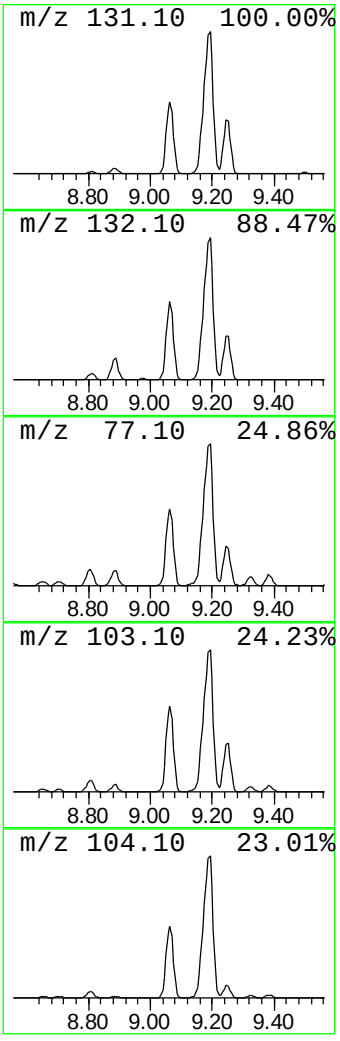
Peak Number 16 Benzofuran, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.06	95.20 ng/ul	5462020	1,4-Dichlorobenzene-d4	7.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
2	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	91
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
4	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	91
5	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	90





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Acq On : 18 Jul 2019 20:57
Operator : HP/JU
Sample : K3822-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : HD-01-070219

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Quant Title : SVOA CALIBRATION

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

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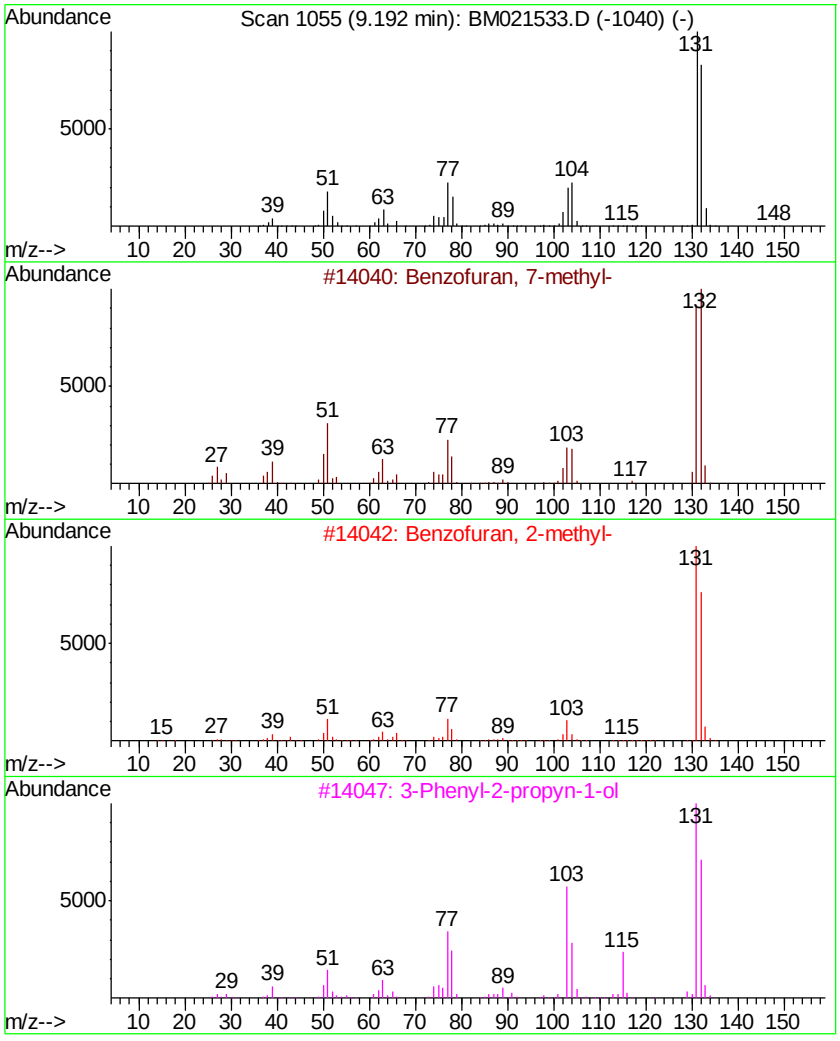
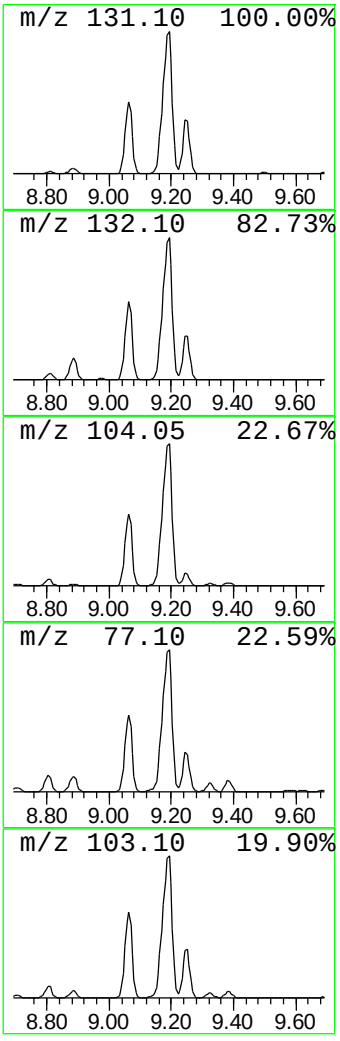
Peak Number 17 Benzofuran, 7-methyl- Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.19	2.58 ng/ul	13564200	Naphthalene-d8	10.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	91
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	90
3	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	90
4	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	90
5	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	90





Library Search Compound Report

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Operator : HP/JU
Sample : K3822-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : HD-01-070219

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Quant Title : SVOA CALIBRATION

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

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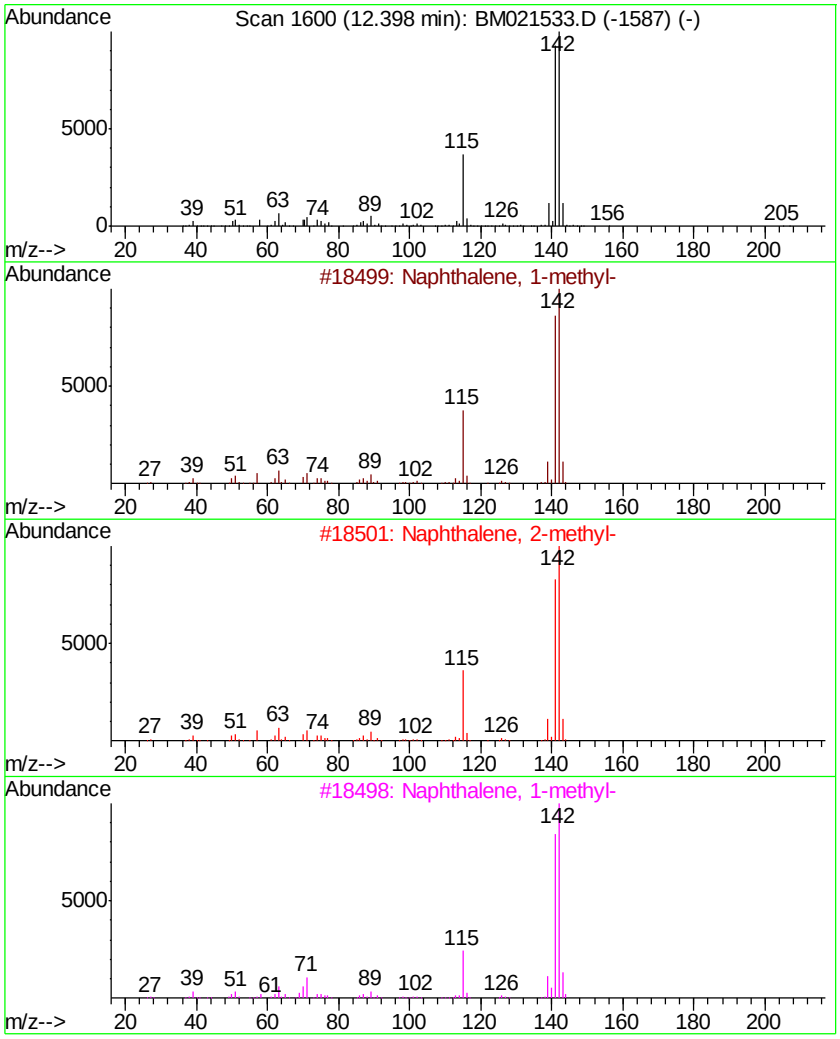
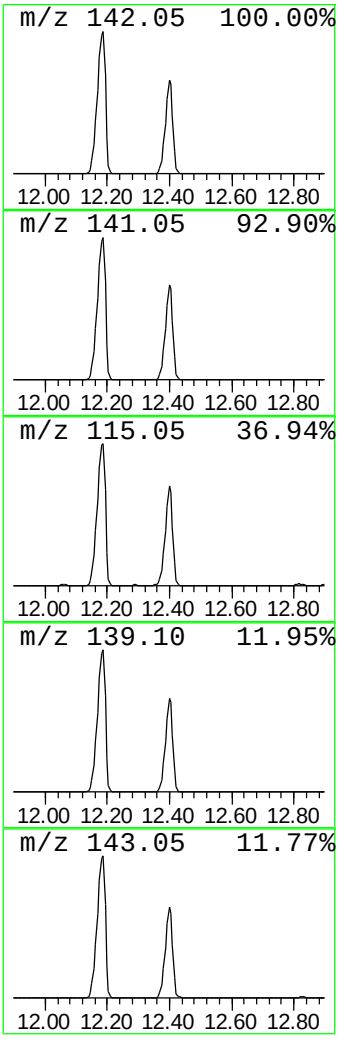
Peak Number 18 Naphthalene, 1-methyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	4.88 ng/ul	25691700	Naphthalene-d8	10.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91





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Operator : HP/JU
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Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : HD-01-070219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM070819MA.M
Quant Title : SVOA CALIBRATION

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

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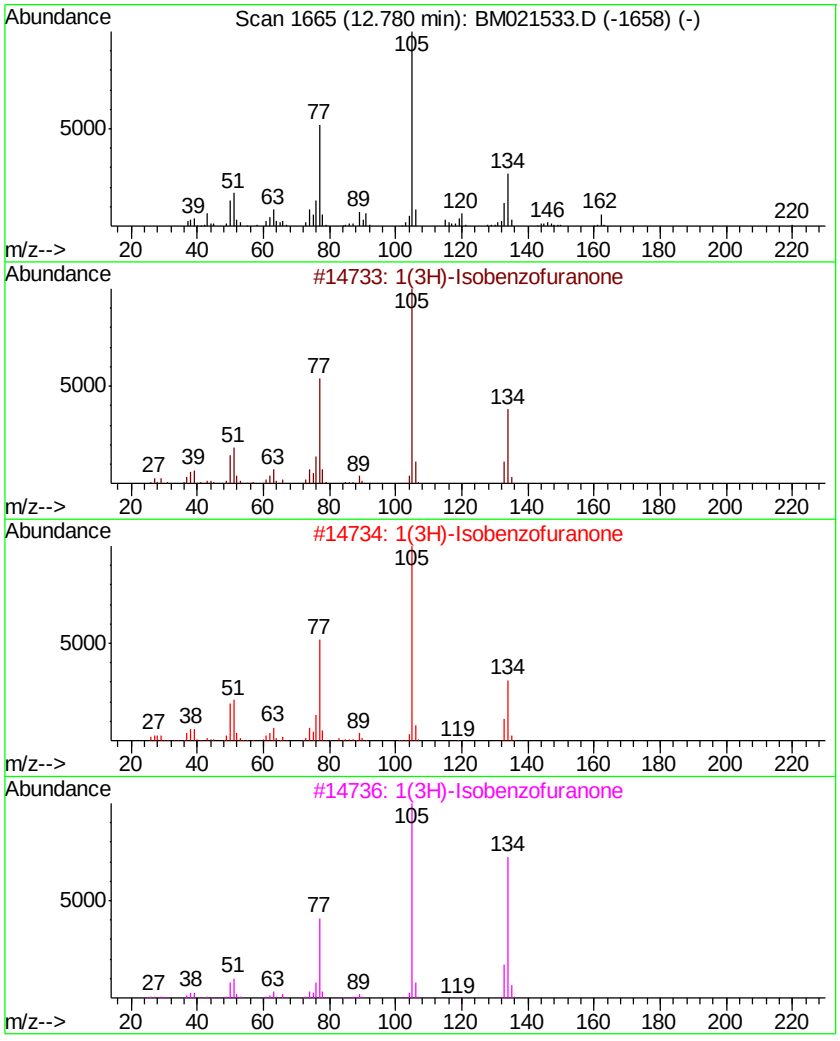
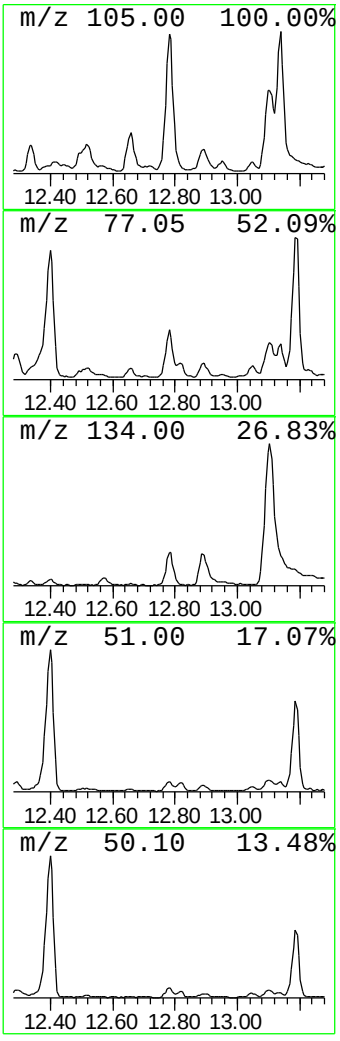
Peak Number 19 1(3H)-Isobenzofuranone Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	4.20 ng/ul	434315	Acenaphthene-d10	14.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(3H)-Isobenzofuranone	134	C8H6O2	000087-41-2	95
2	1(3H)-Isobenzofuranone	134	C8H6O2	000087-41-2	93
3	1(3H)-Isobenzofuranone	134	C8H6O2	000087-41-2	87
4	1(3H)-Isobenzofuranone	134	C8H6O2	000087-41-2	87
5	1,2-Benzenedicarboxaldehyde	134	C8H6O2	000643-79-8	74





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ALS Vial : 47 Sample Multiplier: 1

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ClientSampleId : HD-01-070219

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Quant Title : SVOA CALIBRATION

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

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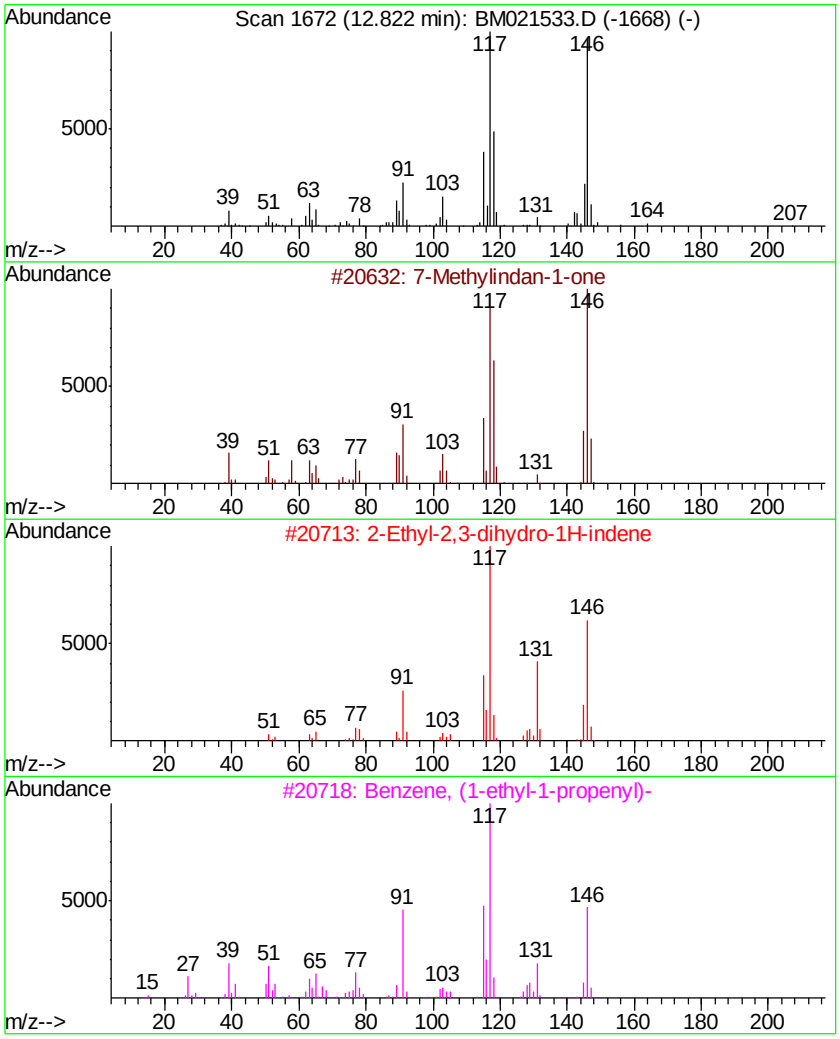
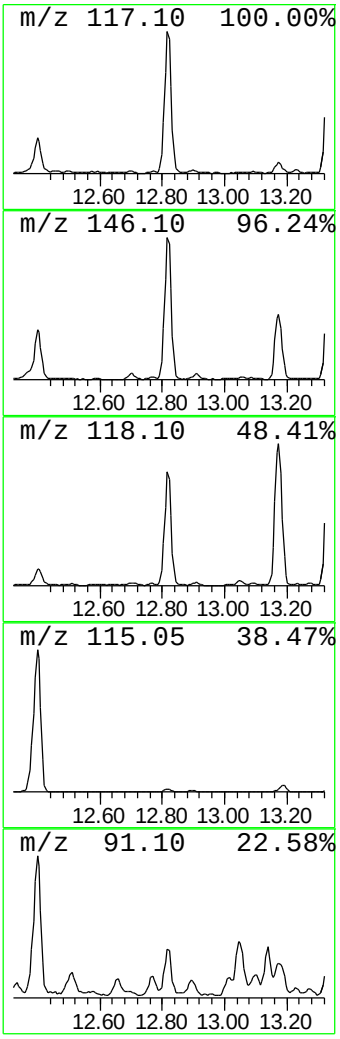
Peak Number 20 7-Methylindan-1-one Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.82	6.33 ng/ul	654864	Acenaphthene-d10	14.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Methylindan-1-one	146	C10H10O	039627-61-7	91
2	2-Ethyl-2,3-dihydro-1H-indene	146	C11H14	056147-63-8	72
3	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	68
4	Benzene, (1-ethyl-2-propenyl)-	146	C11H14	019947-22-9	64
5	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	64





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Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : HD-01-070219

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Quant Title : SVOA CALIBRATION

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

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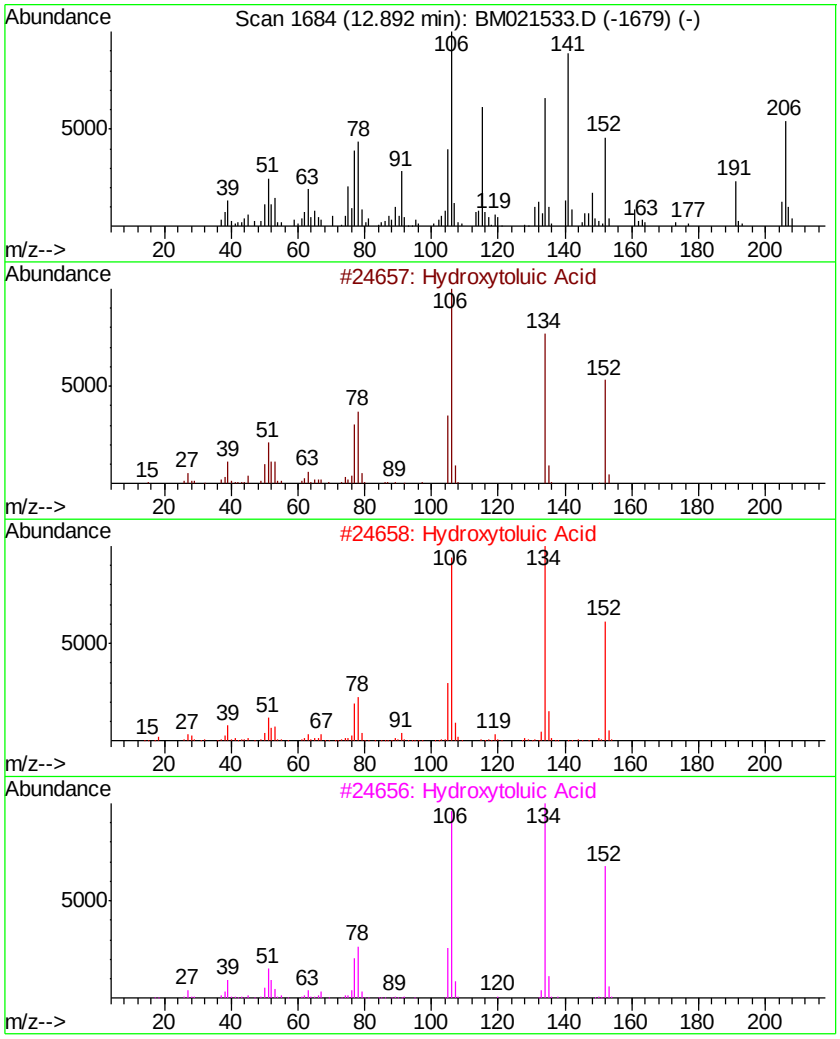
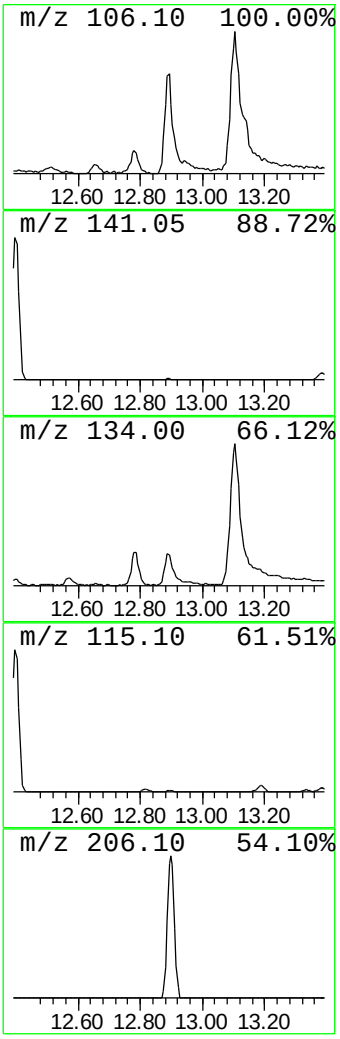
Peak Number 21 Hydroxytoluic Acid Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	3.54 ng/ul	366515	Acenaphthene-d10	14.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hydroxytoluic Acid	152	C8H8O3	000083-40-9	95
2	Hydroxytoluic Acid	152	C8H8O3	000083-40-9	70
3	Hydroxytoluic Acid	152	C8H8O3	000083-40-9	49
4	Benzenamine, 5-chloro-2-methyl-	141	C7H8ClN	000095-79-4	43
5	Benzenamine, 3-chloro-2-methyl-	141	C7H8ClN	000087-60-5	43





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Instrument : BNA_M
ClientSampleId : HD-01-070219

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Quant Title : SVOA CALIBRATION

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

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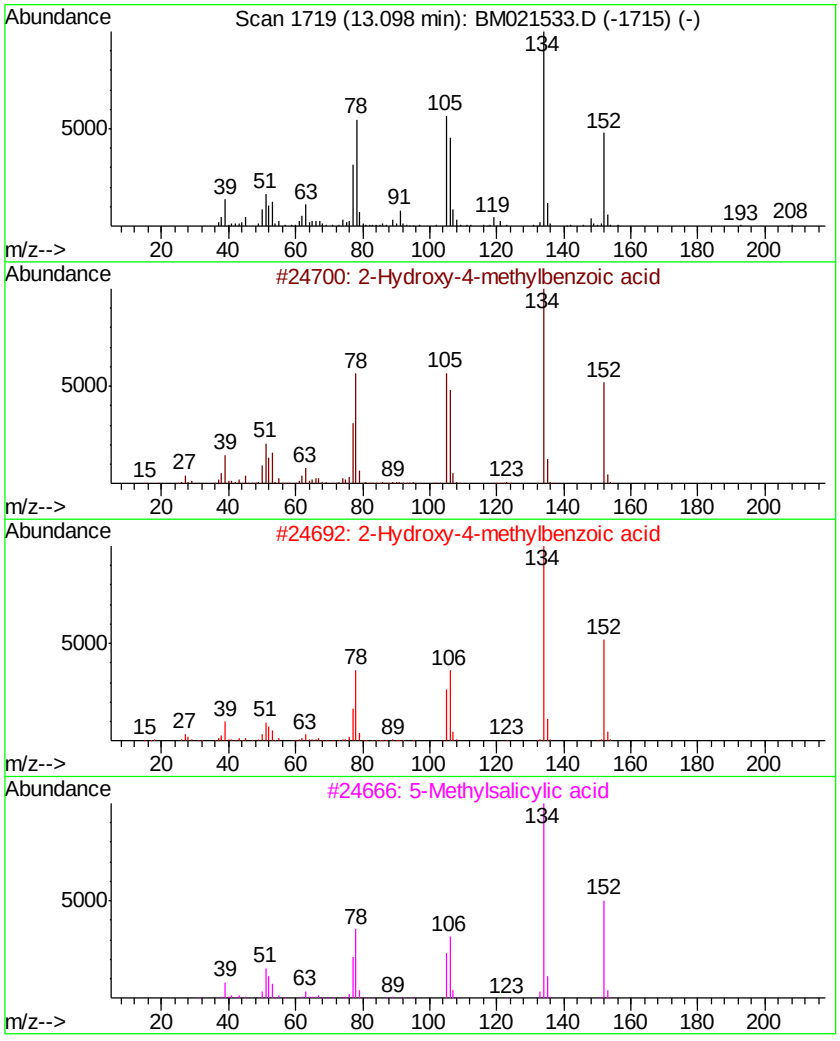
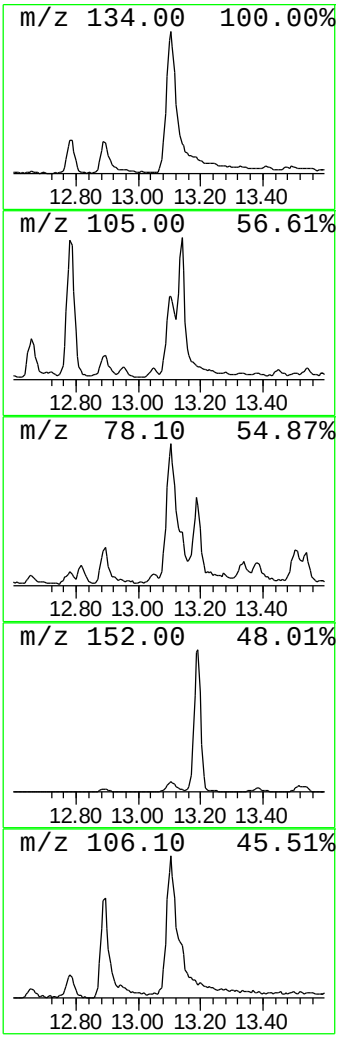
Peak Number 22 2-Hydroxy-4-methylbenzoic acid Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	5.37 ng/ul	555503	Acenaphthene-d10	14.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hydroxy-4-methylbenzoic acid	152	C8H8O3	000050-85-1	97
2	2-Hydroxy-4-methylbenzoic acid	152	C8H8O3	000050-85-1	94
3	5-Methylsalicylic acid	152	C8H8O3	000089-56-5	91
4	5-Methylsalicylic acid	152	C8H8O3	000089-56-5	64
5	2-Hydroxy-4-methylbenzoic acid	152	C8H8O3	000050-85-1	62





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Operator : HP/JU
Sample : K3822-02
Misc :
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ClientSampleId : HD-01-070219

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Quant Title : SVOA CALIBRATION

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

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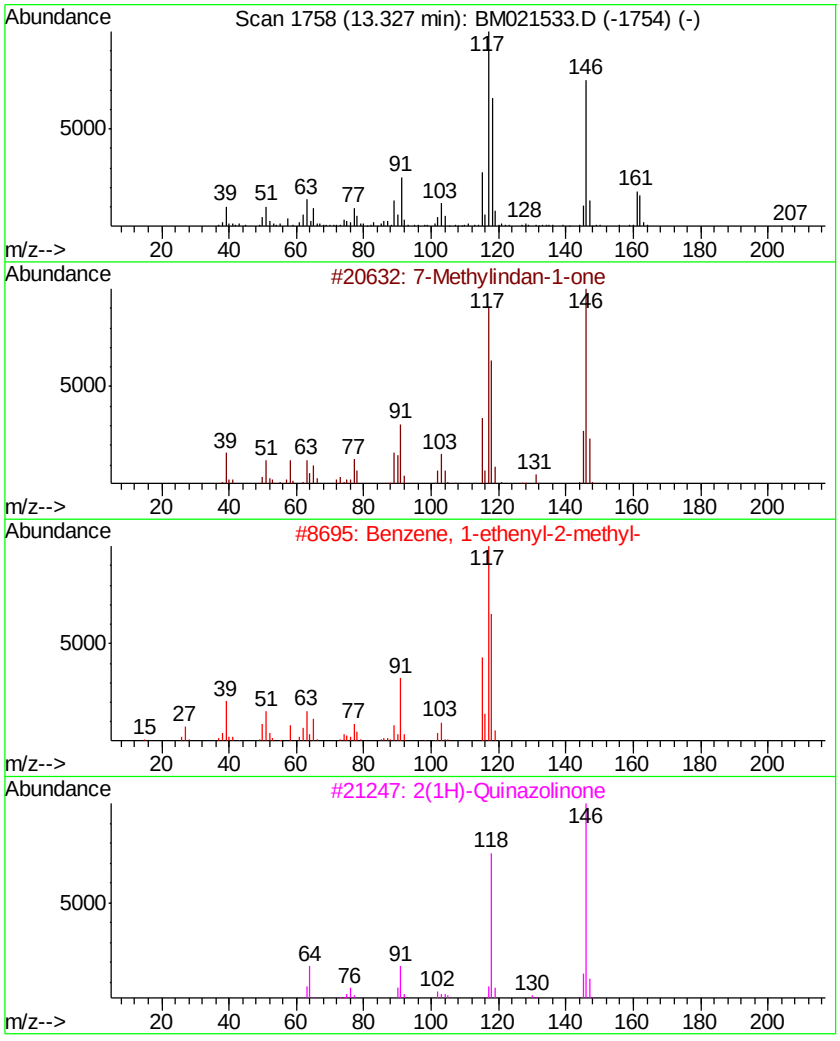
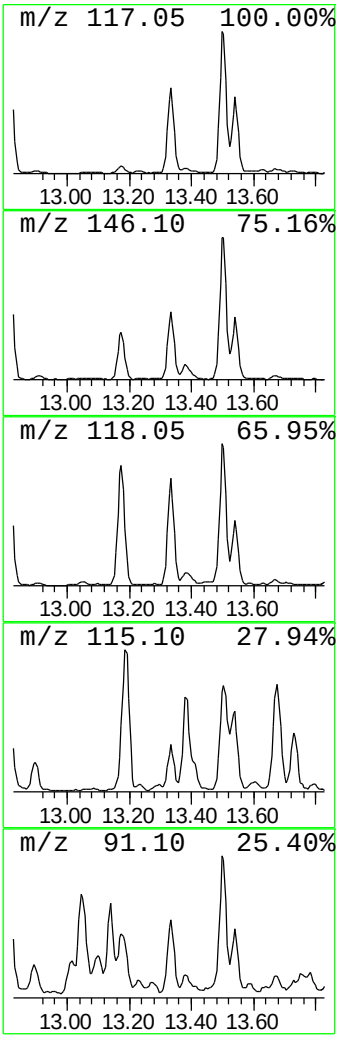
Peak Number 23 2(1H)-Quinazolinone Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.33	5.88 ng/ul	608772	Acenaphthene-d10	14.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Methylindan-1-one	146	C10H10O	039627-61-7	93
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	64
3	2(1H)-Quinazolinone	146	C8H6N2O	007471-58-1	55
4	cis-.beta.-Methylstyrene	118	C9H10	000766-90-5	52
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	50





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Sample : K3822-02
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Instrument : BNA_M
ClientSampleId : HD-01-070219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM070819MA.M
Quant Title : SVOA CALIBRATION

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

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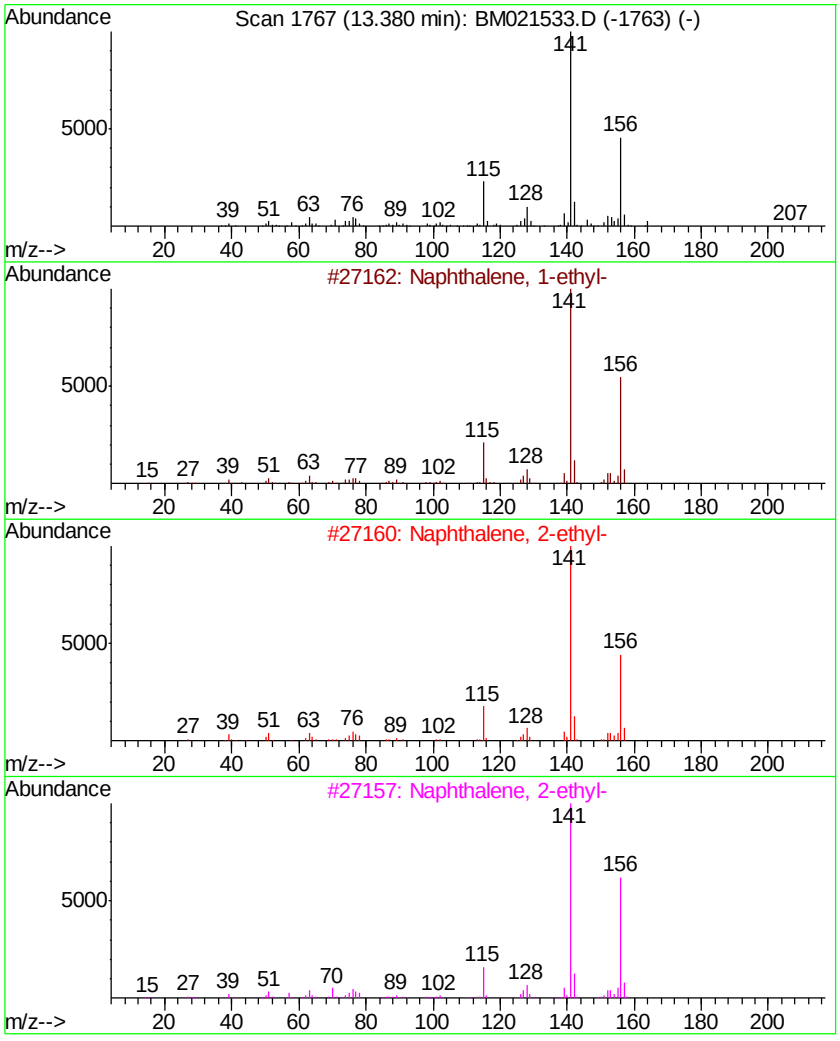
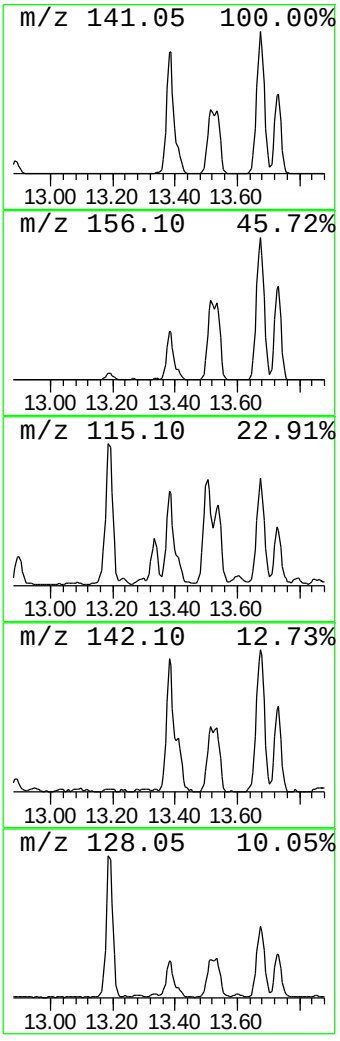
Peak Number 24 Naphthalene, 1-ethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	11.62 ng/ul	1202430	Acenaphthene-d10	14.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	93





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Misc :
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ClientSampleId : HD-01-070219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM070819MA.M
Quant Title : SVOA CALIBRATION

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

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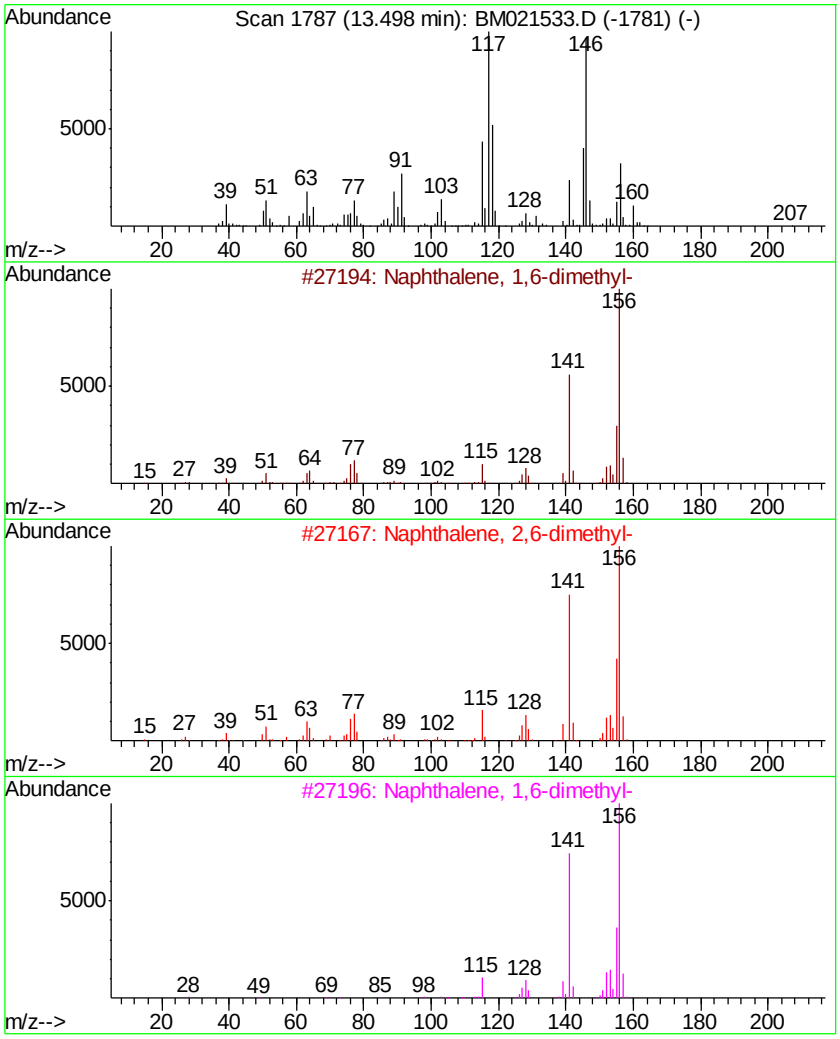
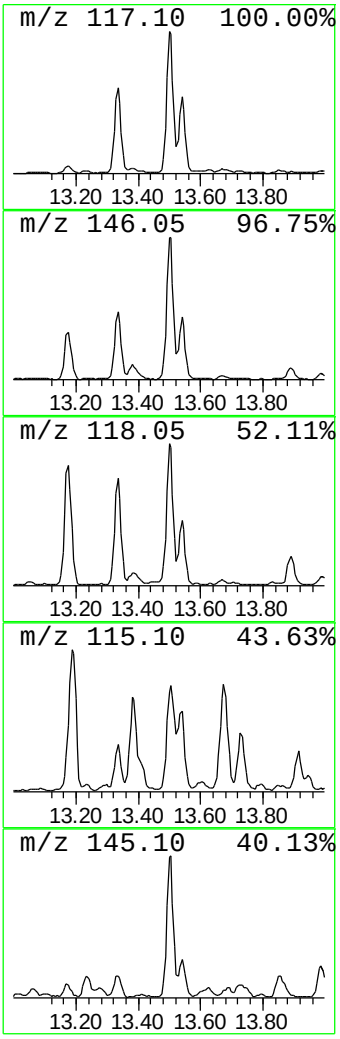
Peak Number 25 Naphthalene, 1,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.50	17.61 ng/ul	1822000	Acenaphthene-d10	14.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	92
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	92
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	92
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	92
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	92





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Quant Title : SVOA CALIBRATION

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

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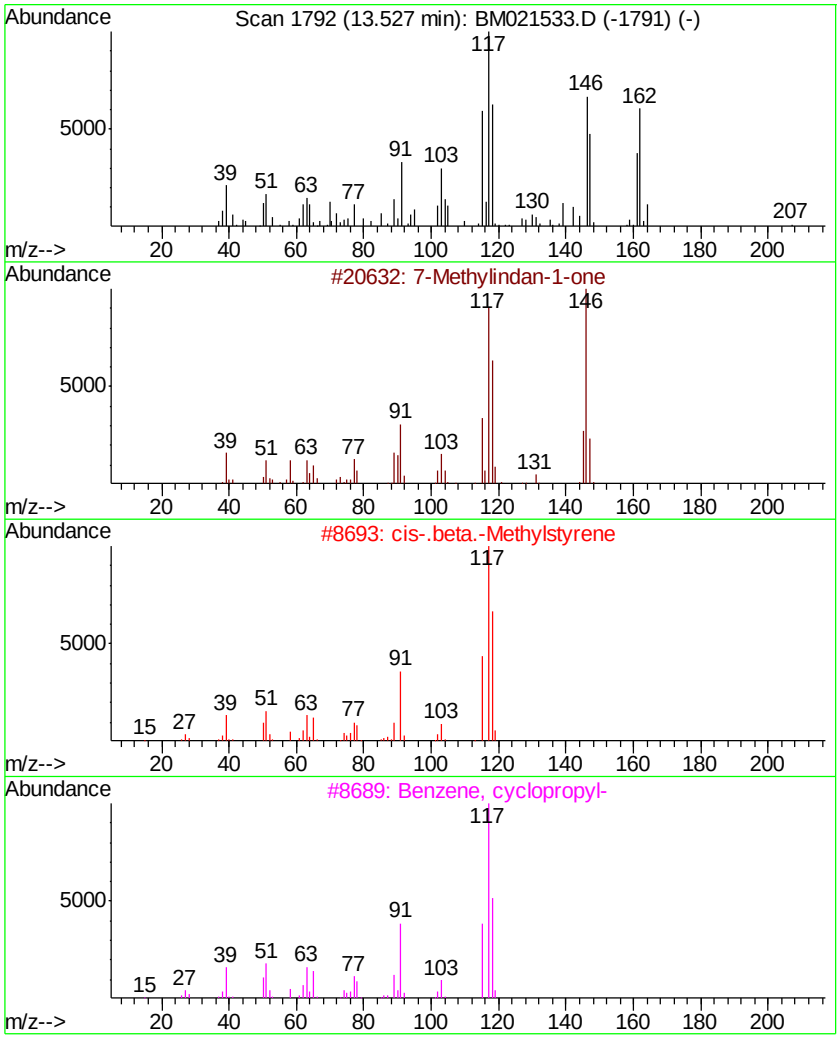
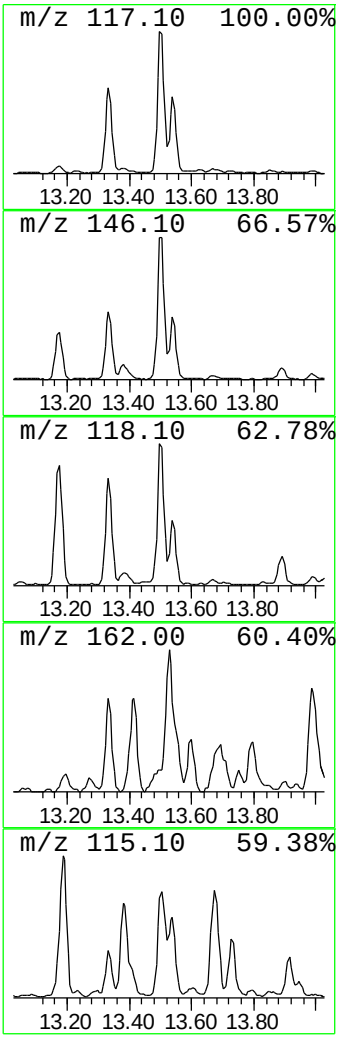
Peak Number 26 cis-.beta.-Methylstyrene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.53	11.46 ng/ul	1186140	Acenaphthene-d10	14.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Methylindan-1-one	146	C10H10O	039627-61-7	52
2	cis-.beta.-Methylstyrene	118	C9H10	000766-90-5	50
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	50
4	Benzene, 1-pentenyl-	146	C11H14	000826-18-6	47
5	1H-Indene, 1-ethyl-2,3-dihydro-	146	C11H14	004830-99-3	46





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Quant Title : SVOA CALIBRATION

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

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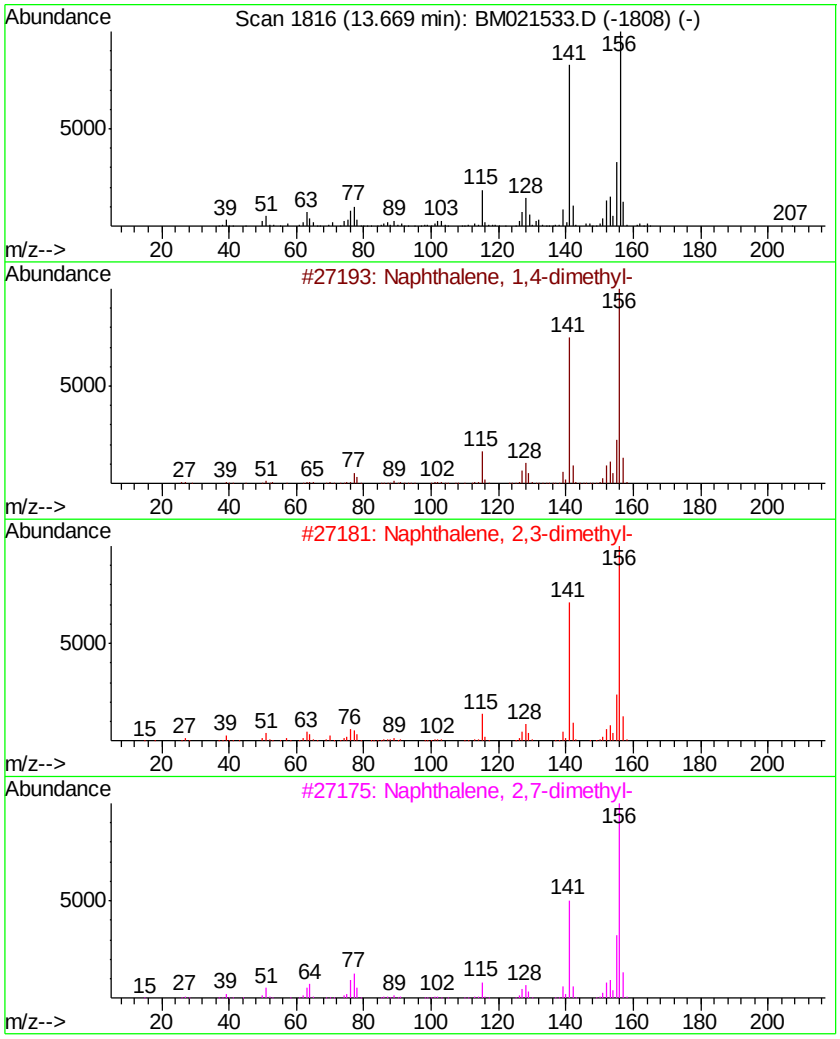
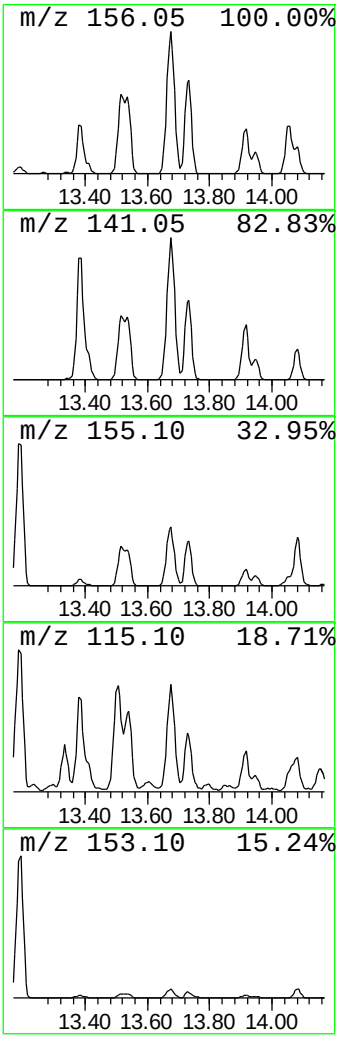
Peak Number 27 Naphthalene, 1,4-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	19.77 ng/ul	2045440	Acenaphthene-d10	14.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





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Operator : HP/JU
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Misc :
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Instrument : BNA_M
ClientSampleId : HD-01-070219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM070819MA.M
Quant Title : SVOA CALIBRATION

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

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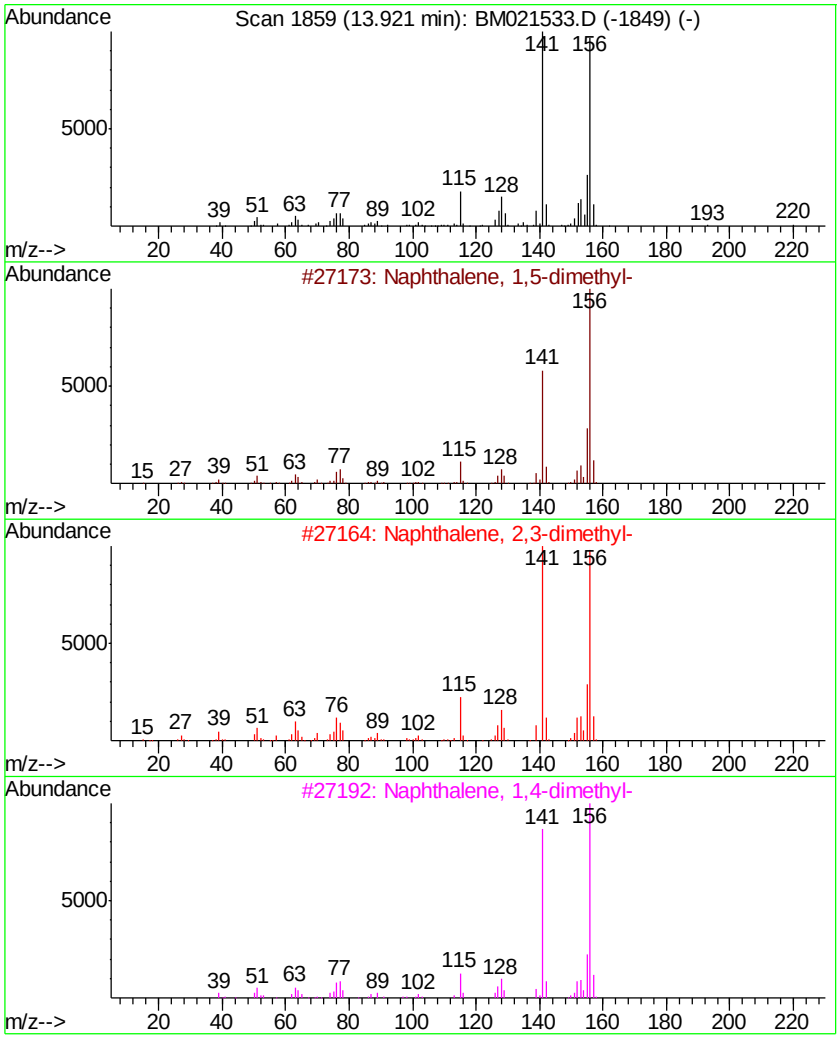
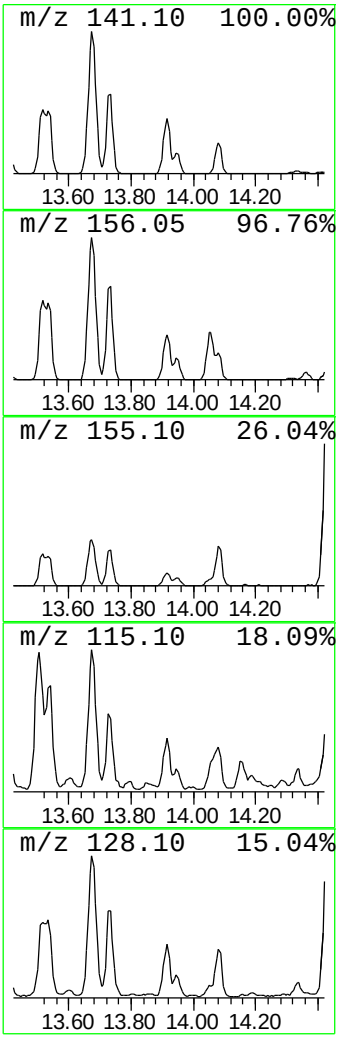
Peak Number 28 Naphthalene, 1,5-dimethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	6.09 ng/ul	629924	Acenaphthene-d10	14.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071719\
Data File : BM021533.D
Acq On : 18 Jul 2019 20:57
Operator : HP/JU
Sample : K3822-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : HD-01-070219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM070819MA.M
Quant Title : SVOA CALIBRATION

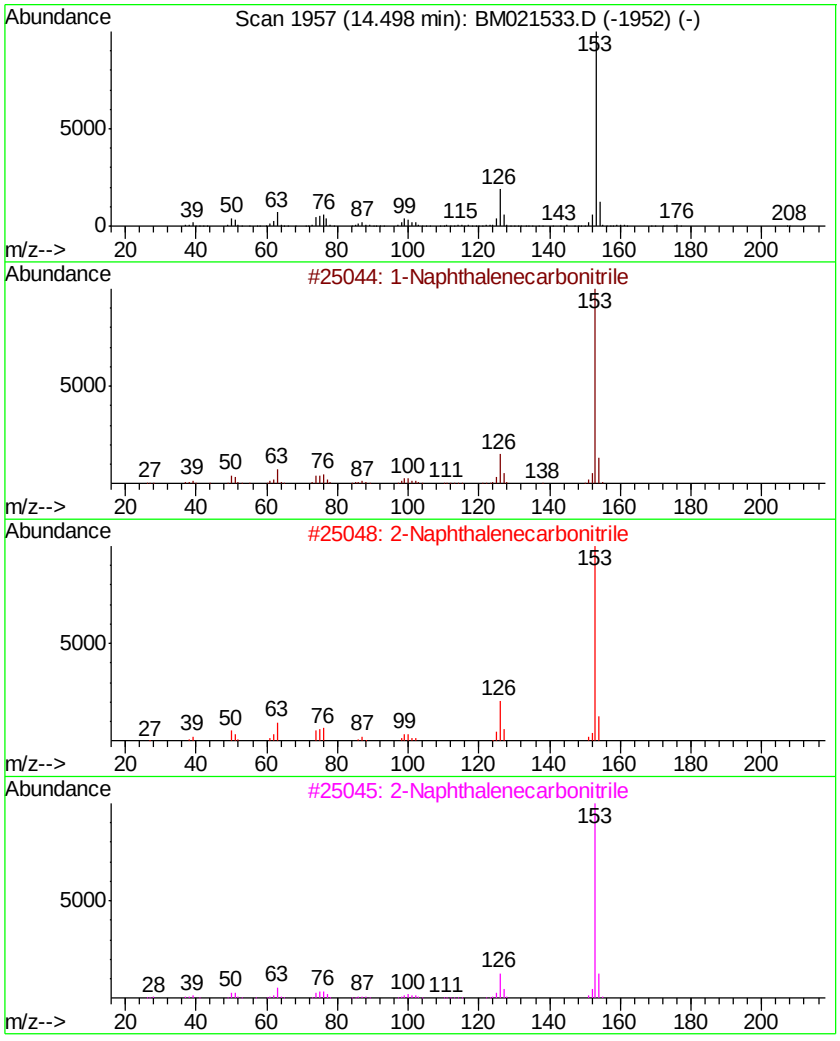
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

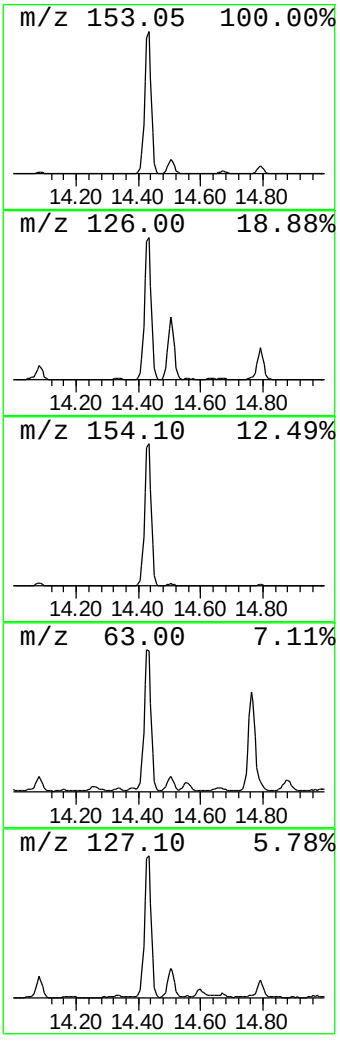
****

Peak Number 29 2-Naphthalenecarbonitrile Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.50	10.61 ng/ul	1097860	Acenaphthene-d10	14.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	97
2	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	95
3	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	94
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
5	Naphthalene, 1-isocyano-	153	C11H7N	001984-04-9	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM071719\
Data File : BM021533.D
Acq On : 18 Jul 2019 20:57
Operator : HP/JU
Sample : K3822-02
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : HD-01-070219

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM070819MA.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Ethylbenzene	5.25	19.9	ng/ul	1144450	1	7.72	1147490	20.0
o-Xylene	5.37	63.7	ng/ul	3654600	1	7.72	1147490	20.0
Benzene, 1,3-dime...	5.74	42.0	ng/ul	2412180	1	7.72	1147490	20.0
Benzene, (1-methy...	6.21	6.8	ng/ul	388210	1	7.72	1147490	20.0
Benzene, 1-ethyl-...	6.80	58.2	ng/ul	3339000	1	7.72	1147490	20.0
Benzene, 1,2,3-tr...	7.36	169.2	ng/ul	9709490	1	7.72	1147490	20.0
Benzofuran	7.44	58.2	ng/ul	3340690	1	7.72	1147490	20.0
Benzene, 1,2,4-tr...	7.82	64.4	ng/ul	3694490	1	7.72	1147490	20.0
Indane	8.10	720.1	ng/ul	41317200	1	7.72	1147490	20.0
Benzene, 1,4-diet...	8.20	8.0	ng/ul	461139	1	7.72	1147490	20.0
Benzene, 1-propynyl-	8.26	487.4	ng/ul	27962100	1	7.72	1147490	20.0
Benzene, 1-methyl...	8.34	29.7	ng/ul	1704320	1	7.72	1147490	20.0
Benzene, 1-ethyl-...	8.65	8.3	ng/ul	477862	1	7.72	1147490	20.0
Benzene, 1-methyl...	8.70	8.7	ng/ul	496151	1	7.72	1147490	20.0
Benzene, 1-ethyl-...	8.80	42.0	ng/ul	2410540	1	7.72	1147490	20.0
Benzofuran, 2-met...	9.06	95.2	ng/ul	5462020	1	7.72	1147490	20.0
Benzofuran, 7-met...	9.19	2.6	ng/ul	13564200	2	10.51	105267000	20.0
Naphthalene, 1-me...	12.40	4.9	ng/ul	25691700	2	10.51	105267000	20.0
1(3H)-Isobenzofur...	12.78	4.2	ng/ul	434315	3	14.36	2069700	20.0
7-Methylindan-1-one	12.82	6.3	ng/ul	654864	3	14.36	2069700	20.0
Hydroxytoluic Acid	12.89	3.5	ng/ul	366515	3	14.36	2069700	20.0
2-Hydroxy-4-methy...	13.10	5.4	ng/ul	555503	3	14.36	2069700	20.0
2(1H)-Quinazolinone	13.33	5.9	ng/ul	608772	3	14.36	2069700	20.0
Naphthalene, 1-et...	13.38	11.6	ng/ul	1202430	3	14.36	2069700	20.0
Naphthalene, 1,6-...	13.50	17.6	ng/ul	1822000	3	14.36	2069700	20.0
cis-.beta.-Methyl...	13.53	11.5	ng/ul	1186140	3	14.36	2069700	20.0
Naphthalene, 1,4-...	13.67	19.8	ng/ul	2045440	3	14.36	2069700	20.0
Naphthalene, 1,5-...	13.92	6.1	ng/ul	629924	3	14.36	2069700	20.0
2-Naphthalenecarb...	14.50	10.6	ng/ul	1097860	3	14.36	2069700	20.0