LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
Data File : BM022309.D
Acq On : 25 Aug 2019 01:43
Operator : HP/JU
Sample : K4373-14
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD2

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-BM082219MA.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	7.192	709	715	723	rVV	524968	919958	0.29%	0.097%
2	7.281	723	730	744	rVB	1953871	3026227	0.96%	0.318%
3	7.922	830	839	845	rBV	8824267	13478865	4.26%	1.418%
4	8.022	847	856	861	rVV	2233643	3694804	1.17%	0.389%
5	8.086	861	867	877	rVV	3334870	5084495	1.61%	0.535%
6	8.357	905	913	920	rVV	1189833	2700977	0.85%	0.284%
7	8.492	928	936	947	rVB	787824	2078874	0.66%	0.219%
8	8.892	998	1004	1011	rVB	697024	1221353	0.39%	0.129%
9	8.998	1011	1022	1032	rBV3	3489928	9548630	3.02%	1.005%
10	9.086	1032	1037	1045	rVV	529248	945070	0.30%	0.099%
11	9.339	1070	1080	1092	rBV	345712	1142966	0.36%	0.120%
12	9.628	1107	1129	1139	rVB	10243076	43666026	13.80%	4.594%
13	9.733	1140	1147	1150	rBV3	535300	1250475	0.40%	0.132%
14	9.839	1158	1165	1167	rBV2	925522	1978313	0.63%	0.208%
15	9.880	1168	1172	1179	rVV2	1292062	3584890	1.13%	0.377%
16	10.010	1180	1194	1198	rVB	9676930	25057492	7.92%	2.636%
17	10.133	1206	1215	1225	rVB2	2888332	5621300	1.78%	0.591%
18	10.322	1236	1247	1249	rBV2	523080	1031936	0.33%	0.109%
19	10.575	1249	1290	1293	rVV4	34377488	316490290	100.00%	33.299%
20	10.633	1293	1300	1304	rVV	22842811	37015034	11.70%	3.894%
21	10.733	1310	1317	1322	rBV	3080246	4992175	1.58%	0.525%
22	10.816	1326	1331	1339	rVB	1128026	2090727	0.66%	0.220%
23	10.922	1339	1349	1352	rBV	6098779	10422621	3.29%	1.097%
24	10.957	1352	1355	1358	rVV	2183876	3399419	1.07%	0.358%
25	10.992	1358	1361	1367	rVB	3428855	4892442	1.55%	0.515%
26	11.245	1390	1404	1409	rBV2	8835570	21153086	6.68%	2.226%
27	11.422	1427	1434	1438	rBV	3650763	7207719	2.28%	0.758%
28	11.480	1438	1444	1448	rVV	6446235	11221958	3.55%	1.181%
29	11.516	1448	1450	1456	rVV2	922550	1170111	0.37%	0.123%
30	11.580	1456	1461	1467	rVB	780090	1282743	0.41%	0.135%
31	11.739	1483	1488	1493	rVB	846430	1298685	0.41%	0.137%
32	11.827	1493	1503	1508	rBV2	3737563	8190981	2.59%	0.862%
33	11.904	1511	1516	1520	rBV2	1364970	2323506	0.73%	0.244%
34	11.992	1526	1531	1532	rBV	814990	1160364	0.37%	0.122%

LSC Area Percent Report

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Acq On : 25 Aug 2019 01:43
Operator : HP/JU
Sample : K4373-14
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD2

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-BM082219MA.M
Title : SVOA CALIBRATION

35	12.063	1532	1543	1547	rVV	24278234	55616125	17.57%	5.852%
36	12.098	1547	1549	1553	rVV2	875469	1042830	0.33%	0.110%
37	12.157	1553	1559	1566	rVB2	2908848	5289417	1.67%	0.557%
38	12.274	1566	1579	1586	rBV	15531888	27764194	8.77%	2.921%
39	12.380	1592	1597	1600	rBV	992329	1340105	0.42%	0.141%
40	12.427	1600	1605	1606	rBV	1430936	2096024	0.66%	0.221%
41	12.451	1606	1609	1613	rVB2	2110669	2844823	0.90%	0.299%
42	12.639	1635	1641	1647	rVB2	1014844	1986043	0.63%	0.209%
43	12.739	1654	1658	1662	rVB2	626183	930423	0.29%	0.098%
44	12.969	1689	1697	1701	rBV2	559996	986618	0.31%	0.104%
45	13.045	1701	1710	1714	rBV2	2932974	6118432	1.93%	0.644%
46	13.233	1736	1742	1746	rBV2	573746	908808	0.29%	0.096%
47	13.374	1759	1766	1771	rBV3	1818059	3905356	1.23%	0.411%
48	13.421	1772	1774	1783	rVB	857091	1327703	0.42%	0.140%
49	13.504	1783	1788	1790	rBV	930092	1493864	0.47%	0.157%
50	13.533	1790	1793	1799	rVV2	806132	1934469	0.61%	0.204%
51	13.586	1799	1802	1812	rVB2	861806	1367503	0.43%	0.144%
52	13.668	1812	1816	1821	rVB	584327	837058	0.26%	0.088%
53	13.733	1821	1827	1831	rBV	1702986	2509809	0.79%	0.264%
54	13.910	1853	1857	1859	rBV	785466	1095924	0.35%	0.115%
55	13.939	1859	1862	1865	rVB	690649	759584	0.24%	0.080%
56	14.192	1897	1905	1908	rBV3	907806	1886276	0.60%	0.198%
57	14.298	1914	1923	1929	rBV	10841136	15030773	4.75%	1.581%
58	14.392	1929	1939	1943	rVV	2037929	3301003	1.04%	0.347%
59	14.451	1943	1949	1956	rVV	5256941	8997170	2.84%	0.947%
60	14.521	1956	1961	1963	rVV	2937803	4114383	1.30%	0.433%
61	14.563	1963	1968	1974	rVV	5730812	8606564	2.72%	0.906%
62	14.639	1974	1981	1984	rVV	7412260	11057024	3.49%	1.163%
63	14.680	1984	1988	1999	rVB4	1776789	3650826	1.15%	0.384%
64	14.774	1999	2004	2010	rBV	878738	1285906	0.41%	0.135%
65	15.221	2048	2080	2085	rVB2	7190239	29634404	9.36%	3.118%
66	15.292	2085	2092	2097	rVB	10905848	14761389	4.66%	1.553%
67	15.462	2115	2121	2127	rVV	2308592	4163501	1.32%	0.438%
68	15.562	2132	2138	2149	rVB2	2148104	5111751	1.62%	0.538%
69	15.710	2155	2163	2167	rBV2	3700592	6829222	2.16%	0.719%
70	16.162	2215	2240	2247	rBV5	4863854	24667763	7.79%	2.595%
71	16.227	2247	2251	2254	rBV	1662815	2624412	0.83%	0.276%

LSC Area Percent Report

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Sample : K4373-14
Misc :
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Instrument : BNA_M
ClientSampleId : C0AD2

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-BM082219MA.M
Title : SVOA CALIBRATION

72	16.292	2255	2262	2263	rBV	2064537	3238697	1.02%	0.341%
73	16.639	2313	2321	2325	rVB2	6205387	15491058	4.89%	1.630%
74	16.809	2338	2350	2355	rBV	2274856	5883064	1.86%	0.619%
75	16.880	2360	2362	2364	rVB	950235	763131	0.24%	0.080%
76	16.956	2366	2375	2378	rBV4	1254641	3131456	0.99%	0.329%
77	17.039	2383	2389	2393	rVB	8832154	11254674	3.56%	1.184%
78	17.098	2393	2399	2401	rBV3	1796735	3514500	1.11%	0.370%
79	17.204	2411	2417	2420	rVB2	2078824	3625332	1.15%	0.381%
80	17.368	2435	2445	2448	rBV3	1034374	2144021	0.68%	0.226%
81	17.445	2448	2458	2462	rBV	17991490	33688857	10.64%	3.544%
82	17.545	2471	2475	2479	rBV2	1325637	1947182	0.62%	0.205%
83	17.792	2514	2517	2522	rVB3	543714	812629	0.26%	0.085%
84	17.874	2526	2531	2535	rBV2	735477	960026	0.30%	0.101%
85	17.945	2535	2543	2547	rVB3	1000093	2194718	0.69%	0.231%
86	18.056	2555	2562	2566	rVV3	1814561	3894278	1.23%	0.410%
87	18.098	2566	2569	2576	rVB4	1137396	2112564	0.67%	0.222%
88	18.180	2577	2583	2589	rBV2	2757313	4237266	1.34%	0.446%
89	18.456	2622	2630	2634	rVV4	909953	2601876	0.82%	0.274%
90	18.515	2635	2640	2650	rVB3	858198	1913210	0.60%	0.201%
91	18.880	2697	2702	2707	rVB	516883	764457	0.24%	0.080%
92	19.050	2727	2731	2737	rVB	793350	1174223	0.37%	0.124%
93	19.392	2784	2789	2792	rBV	959187	1277934	0.40%	0.134%
94	19.821	2857	2862	2869	rBV3	495920	1170601	0.37%	0.123%
95	20.009	2883	2894	2908	rVB	3226056	8254319	2.61%	0.868%
96	20.609	2987	2996	3001	rBV3	484162	1277802	0.40%	0.134%
97	20.892	3039	3044	3056	rVB	893492	1593177	0.50%	0.168%
98	21.192	3091	3095	3102	rVB2	684613	899006	0.28%	0.095%
99	22.415	3298	3303	3310	rVB	903451	1401598	0.44%	0.147%
100	23.244	3440	3444	3456	rVB	559745	1011812	0.32%	0.106%

Sum of corrected areas: 950455459

LSC Report - Integrated Chromatogram

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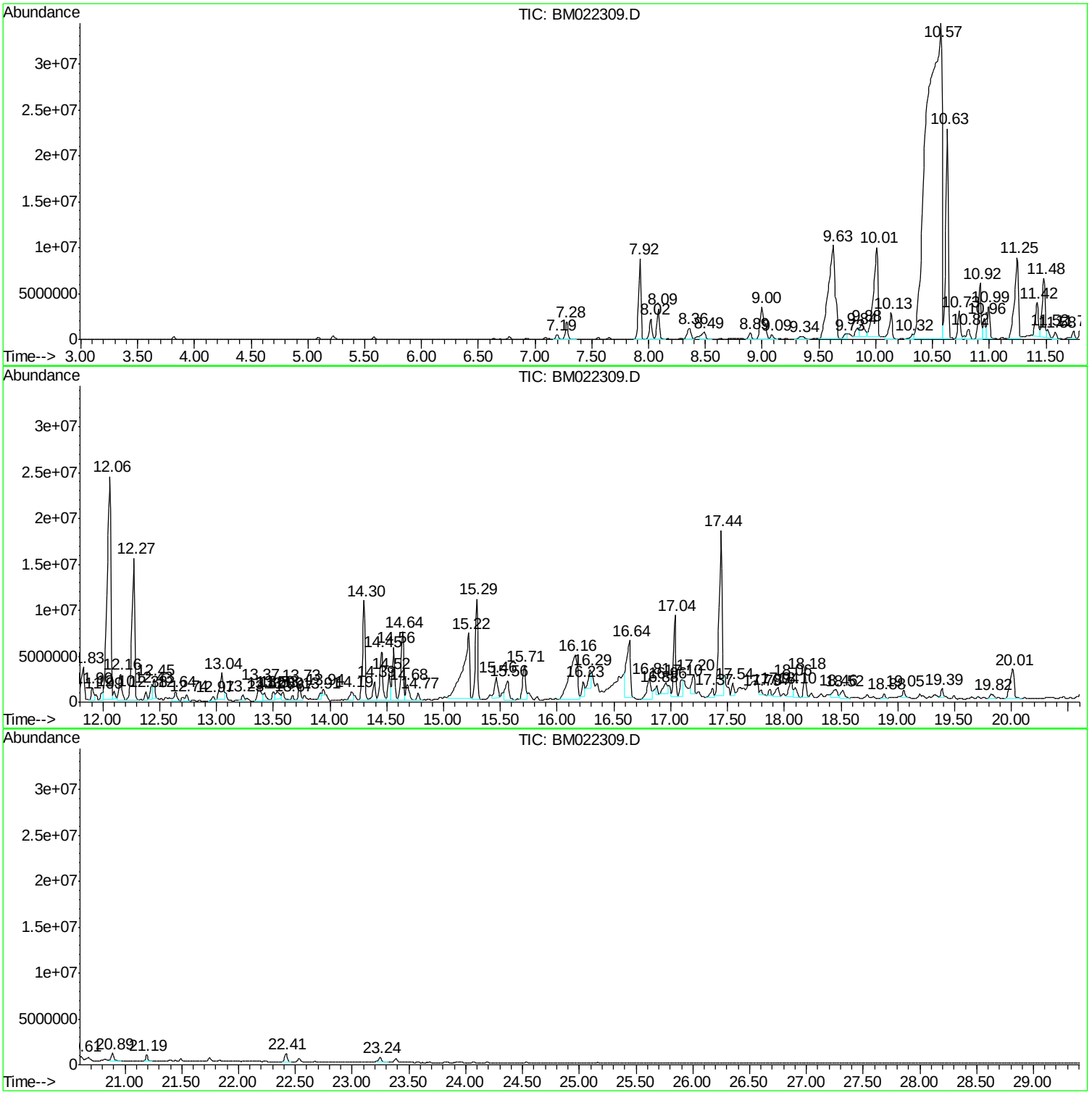
Sample : K4373-14
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
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Instrument : BNA_M
ClientSampleId : C0AD2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

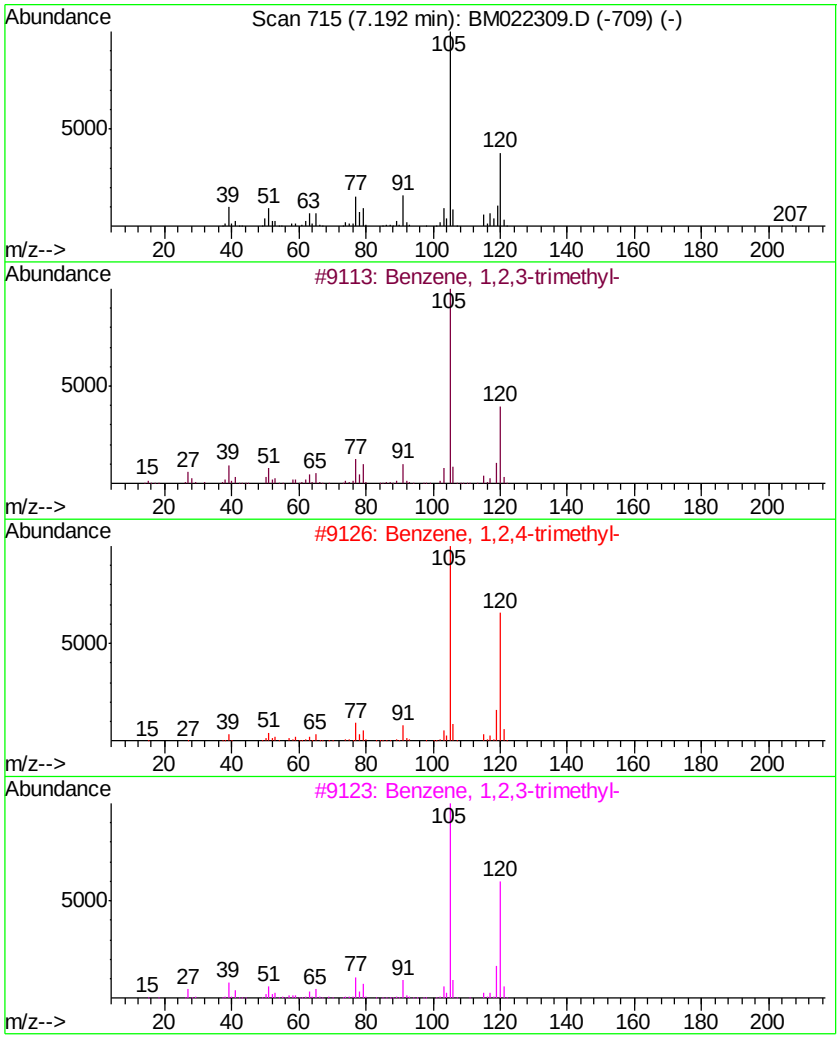
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

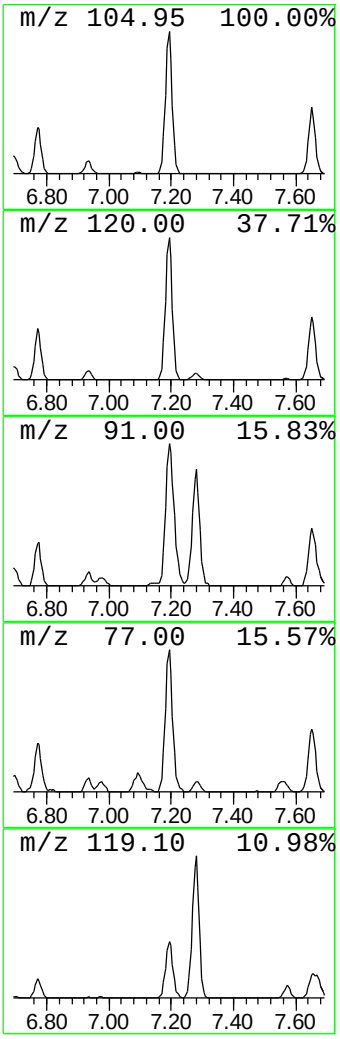
****

Peak Number 1 Benzene, 1,2,3-trimethyl- Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.19	6.08 ng/ul	919958	1,4-Dichlorobenzene-d4	7.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
5	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
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Acq On : 25 Aug 2019 01:43
Operator : HP/JU
Sample : K4373-14
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

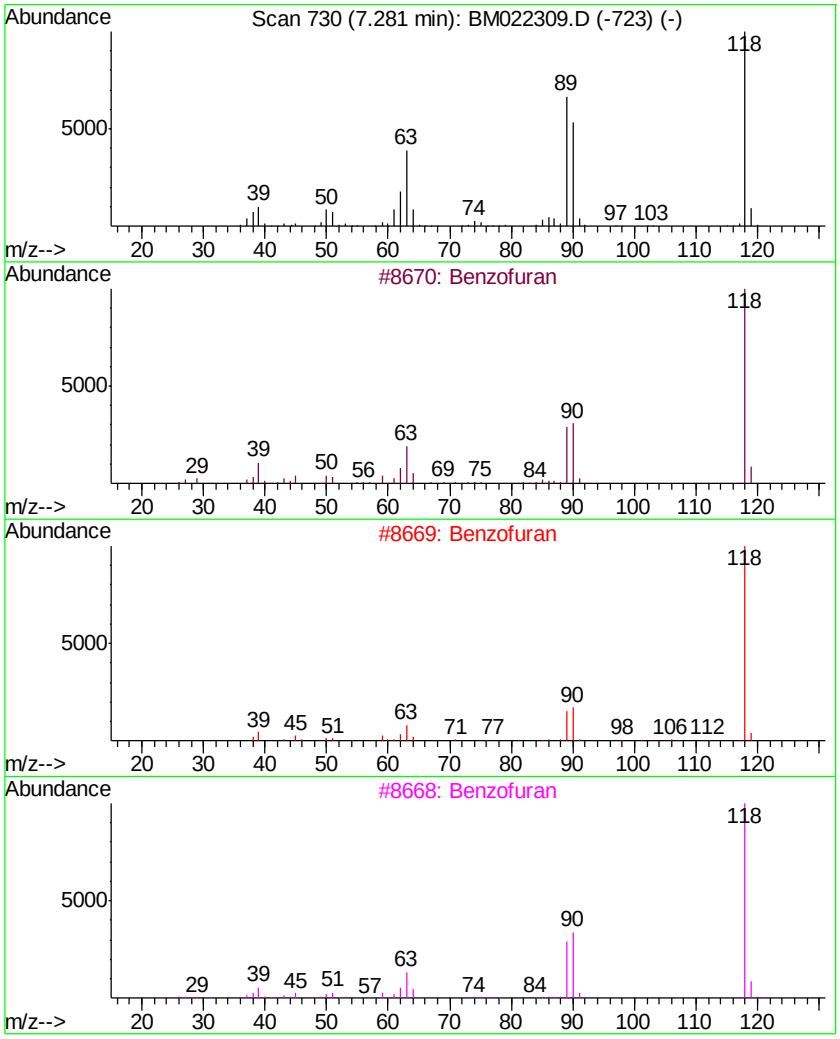
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

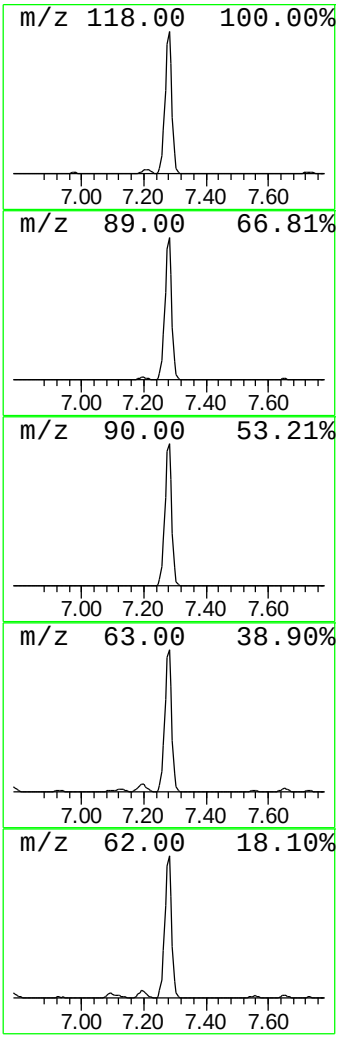
****

Peak Number 2 Benzofuran Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.28	20.00 ng/ul	3026230	1,4-Dichlorobenzene-d4	7.56

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	91
4	1,3,5-Norcaratriene	90	C7H6	004646-69-9	50
5	Benzocyclobuten-1(2H)-one	118	C8H6O	003469-06-5	22





Library Search Compound Report

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Instrument : BNA_M
ClientSampleId : C0AD2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

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

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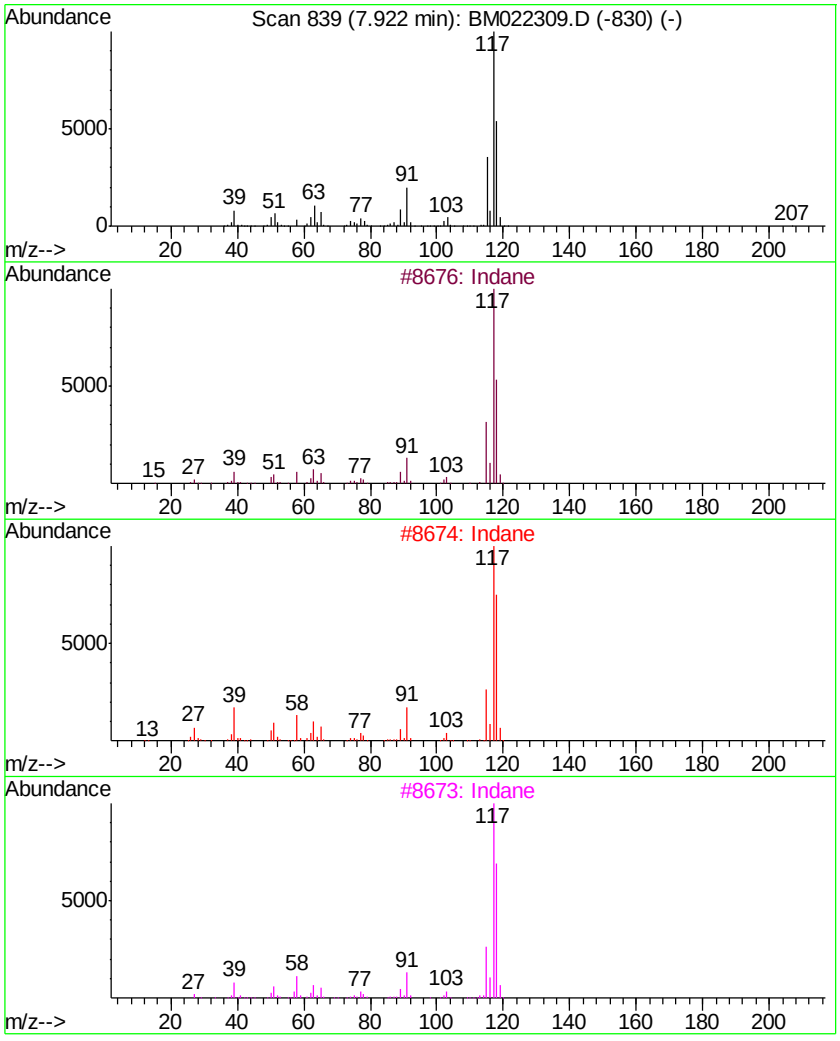
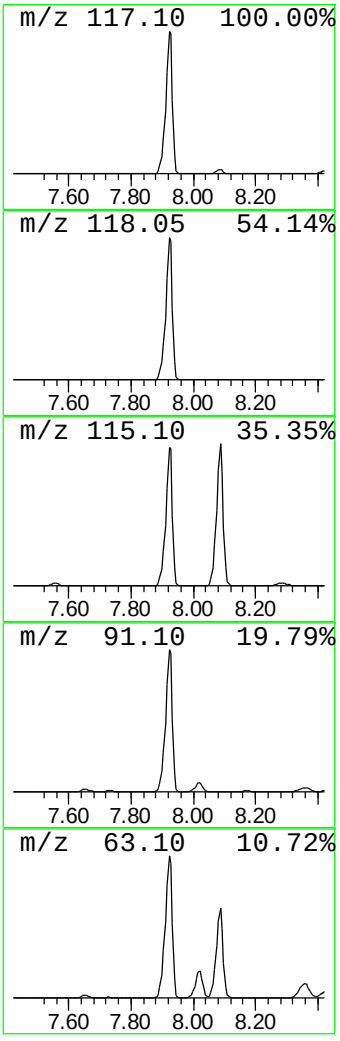
Peak Number 3 Indane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.92	89.08 ng/ul	13478900	1,4-Dichlorobenzene-d4	7.56

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	Indane	118	C9H10	000496-11-7	76
4	Deltacyclene	118	C9H10	007785-10-6	68
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	64





Library Search Compound Report

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Data File : BM022309.D
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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

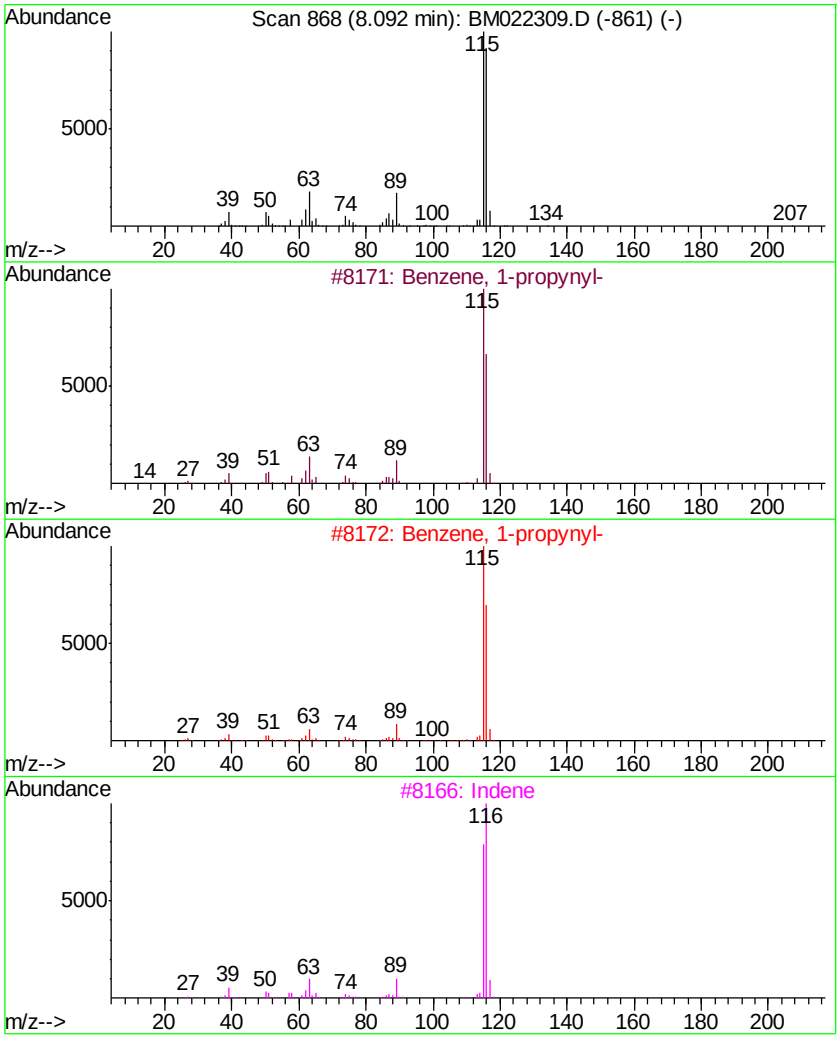
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

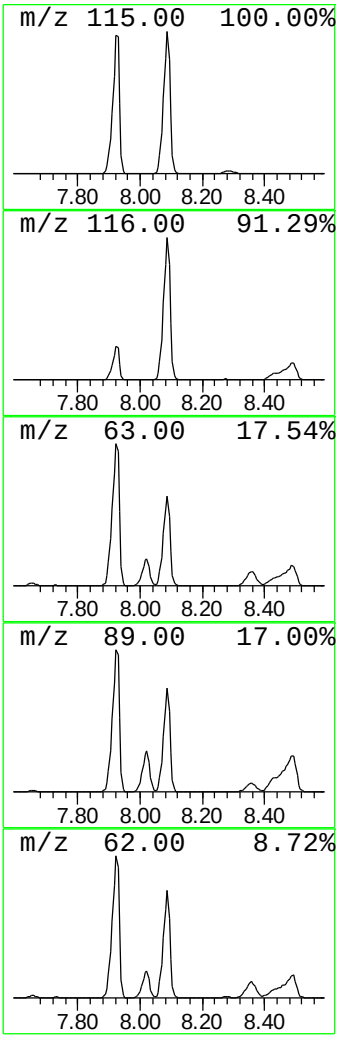
****

Peak Number 4 Benzene, 1-propynyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.09	33.60 ng/ul	5084500	1,4-Dichlorobenzene-d4	7.56

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





Library Search Compound Report

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Acq On : 25 Aug 2019 01:43
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Sample : K4373-14
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

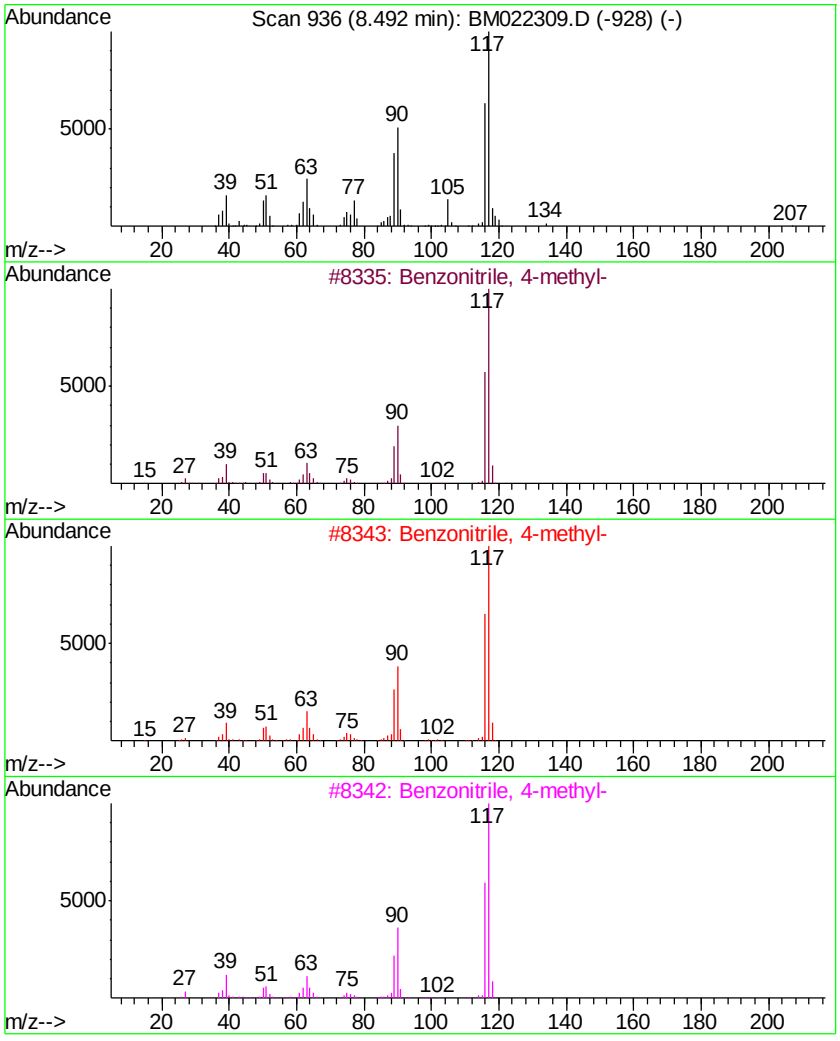
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

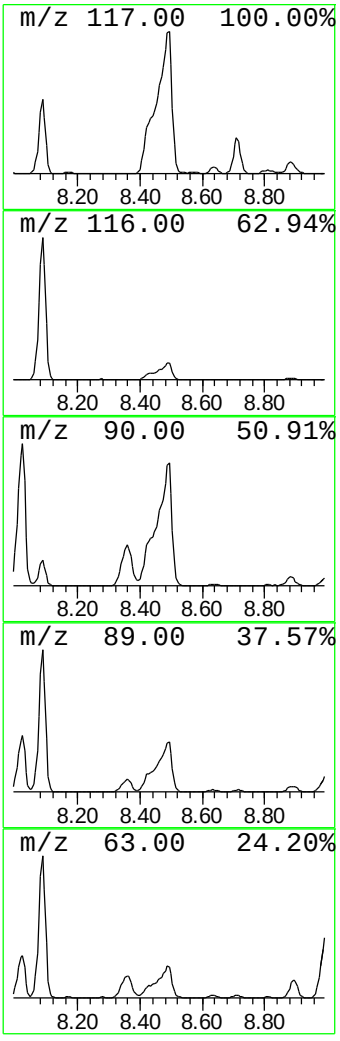
****

Peak Number 5 Benzonitrile, 4-methyl- Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.49	13.74 ng/ul	2078870	1,4-Dichlorobenzene-d4	7.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzonitrile, 4-methyl-	117	C8H7N	000104-85-8	97
2	Benzonitrile, 4-methyl-	117	C8H7N	000104-85-8	97
3	Benzonitrile, 4-methyl-	117	C8H7N	000104-85-8	97
4	Benzonitrile, 2-methyl-	117	C8H7N	000529-19-1	97
5	Benzonitrile, 3-methyl-	117	C8H7N	000620-22-4	97





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Acq On : 25 Aug 2019 01:43
Operator : HP/JU
Sample : K4373-14
Misc :
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Instrument : BNA_M
ClientSampleId : C0AD2

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Quant Title : SVOA CALIBRATION

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

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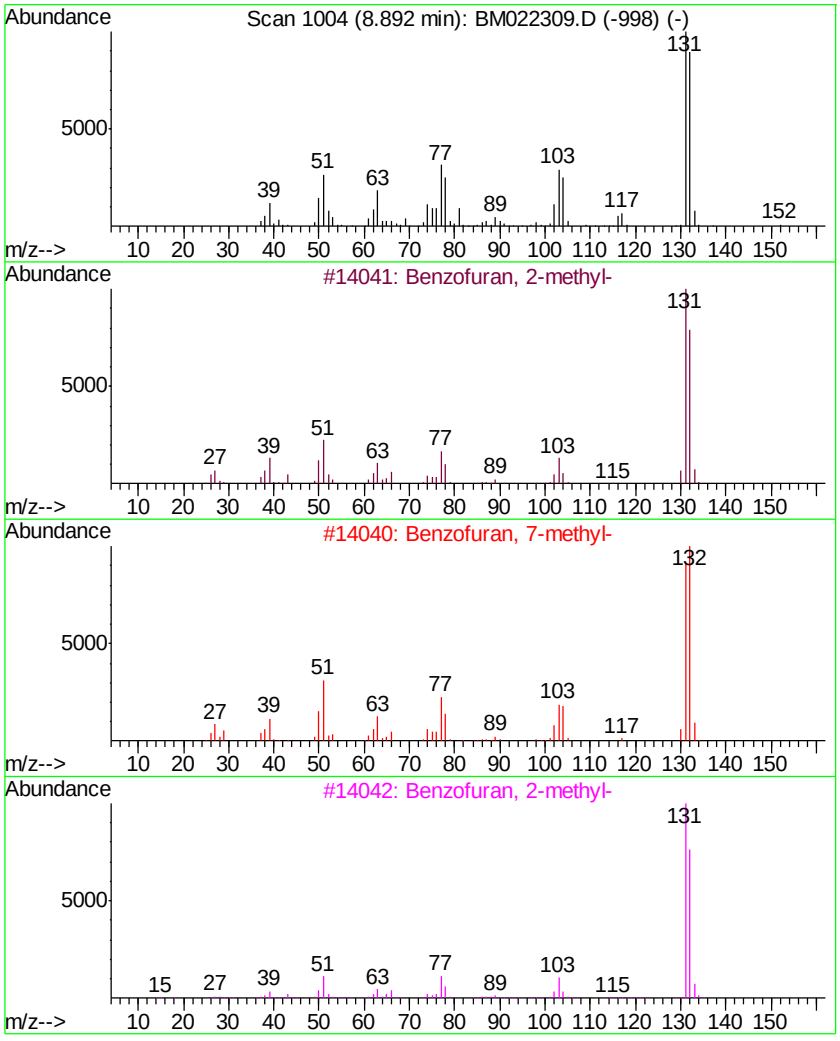
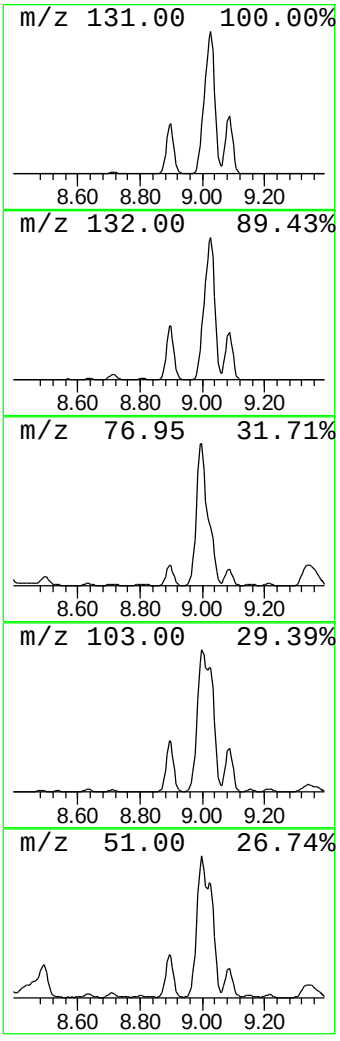
Peak Number 6 Benzofuran, 2-methyl- Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.89	8.07 ng/ul	1221350	1,4-Dichlorobenzene-d4	7.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	94
2	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	94
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
4	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
5	2-Propenal, 3-phenyl-	132	C9H8O	000104-55-2	90





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Instrument : BNA_M
ClientSampleId : C0AD2

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Quant Title : SVOA CALIBRATION

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

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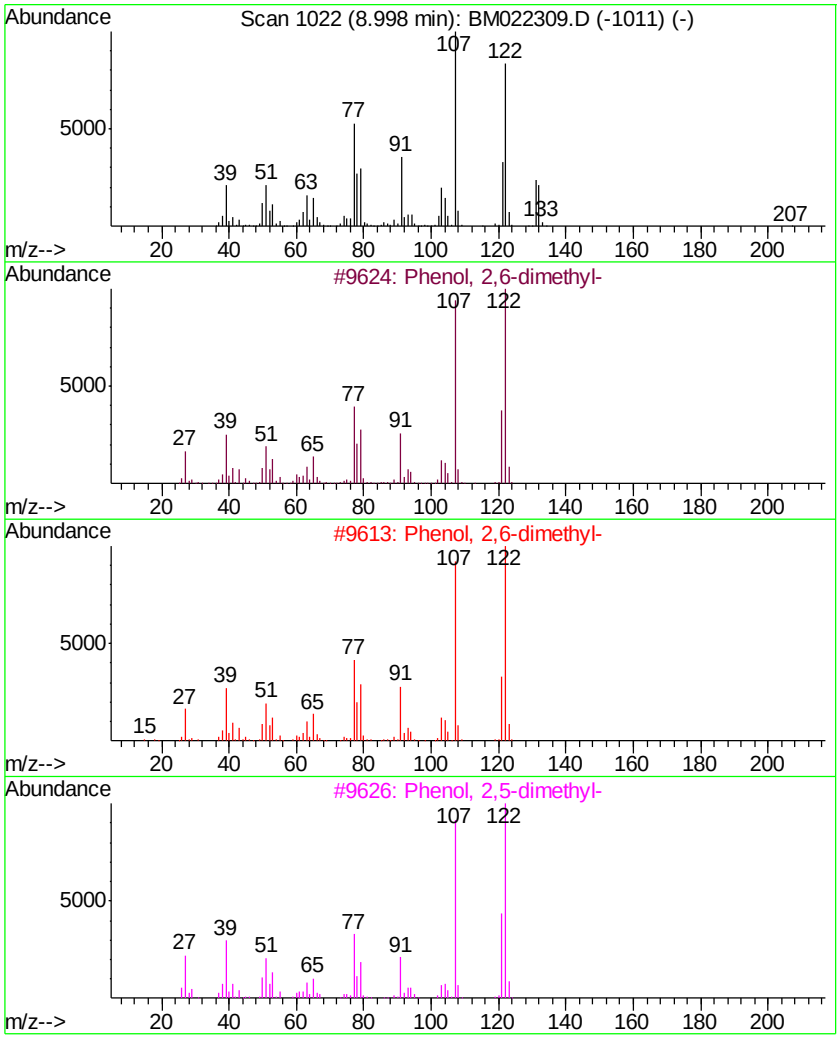
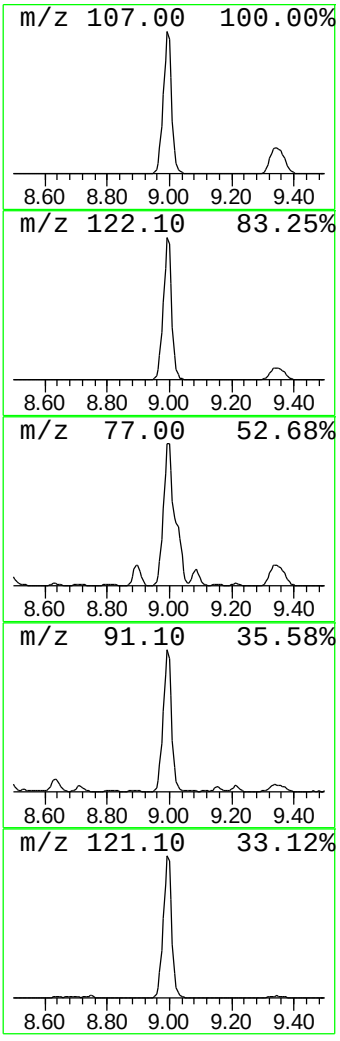
Peak Number 7 Phenol, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.00	185.06 ng/ul	9548630	Naphthalene-d8	10.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,6-dimethyl-	122	C8H10O	000576-26-1	95
2	Phenol, 2,6-dimethyl-	122	C8H10O	000576-26-1	94
3	Phenol, 2,5-dimethyl-	122	C8H10O	000095-87-4	94
4	Phenol, 2,6-dimethyl-	122	C8H10O	000576-26-1	93
5	Phenol, 2,5-dimethyl-	122	C8H10O	000095-87-4	81





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Instrument : BNA_M
ClientSampleId : C0AD2

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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 Phenol, 2-ethyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.34	22.15 ng/ul	1142970	Naphthalene-d8	10.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-ethyl-	122	C8H10O	000090-00-6	95
2	Phenol, 2-ethyl-	122	C8H10O	000090-00-6	91
3	Phenol, 3-ethyl-	122	C8H10O	000620-17-7	91
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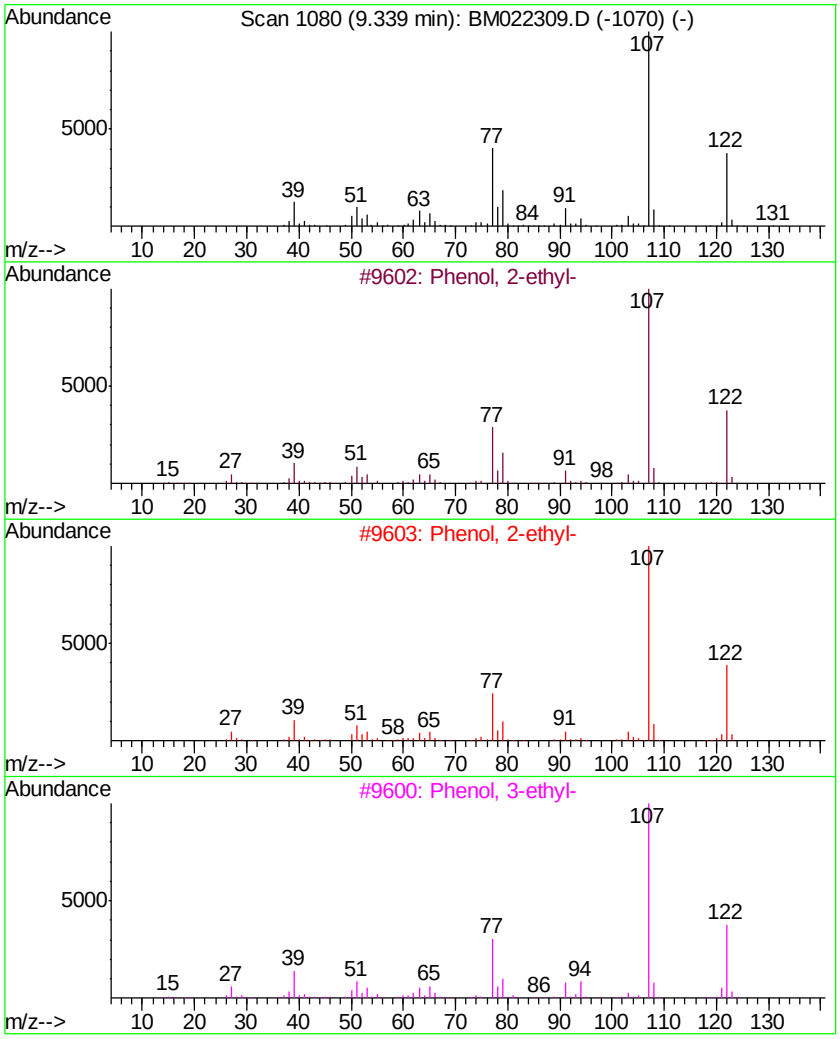

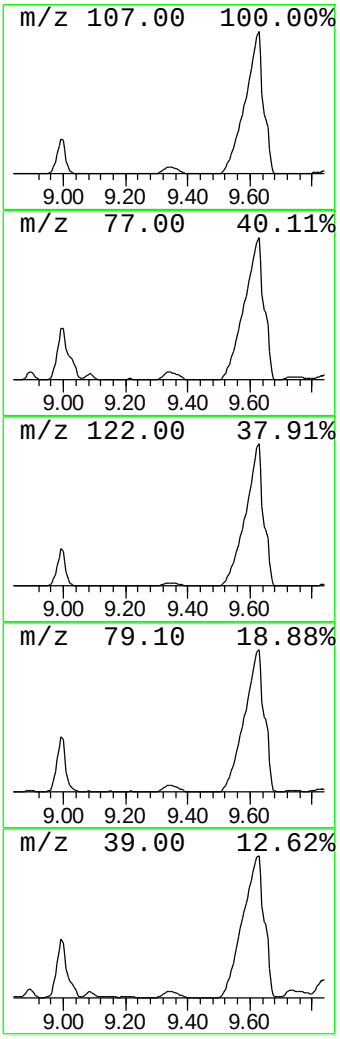

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ClientSampleId : C0AD2

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Quant Title : SVOA CALIBRATION

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

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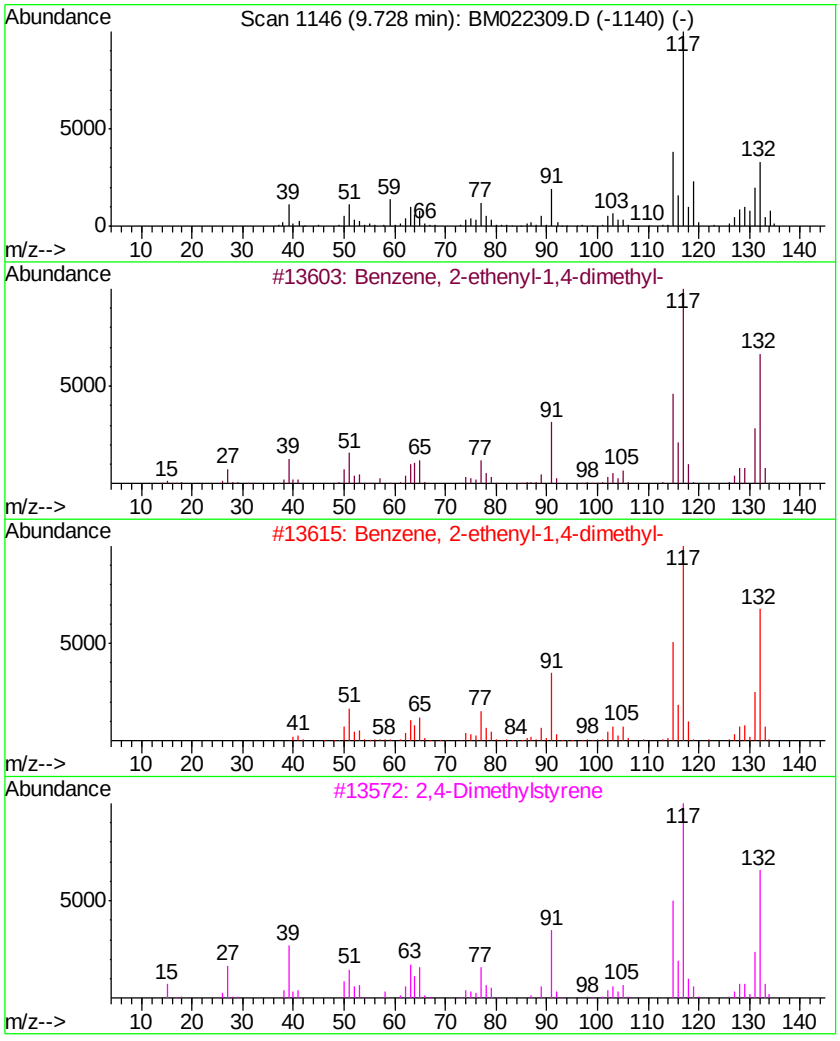
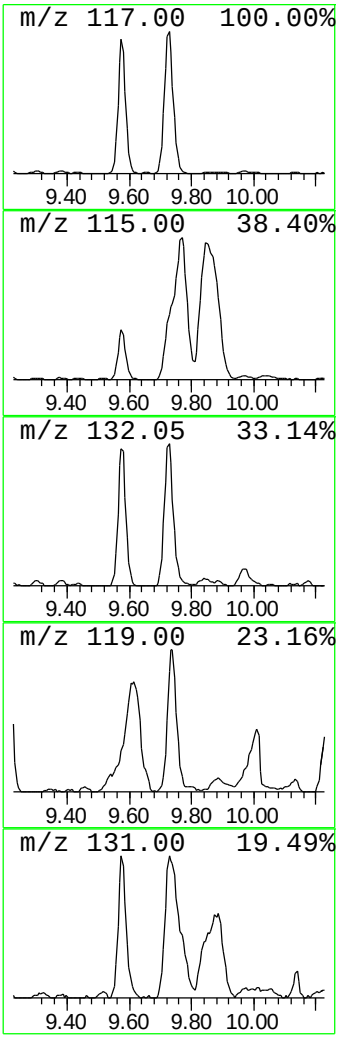
Peak Number 10 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.73	24.24 ng/ul	1250480	Naphthalene-d8	10.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	86
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	70
3	2,4-Dimethylstyrene	132	C10H12	002234-20-0	70
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	64
5	Benzene, 1-methyl-4-(1-methyleth...	132	C10H12	001195-32-0	60





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Misc :
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Instrument : BNA_M
ClientSampleId : C0AD2

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Quant Title : SVOA CALIBRATION

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

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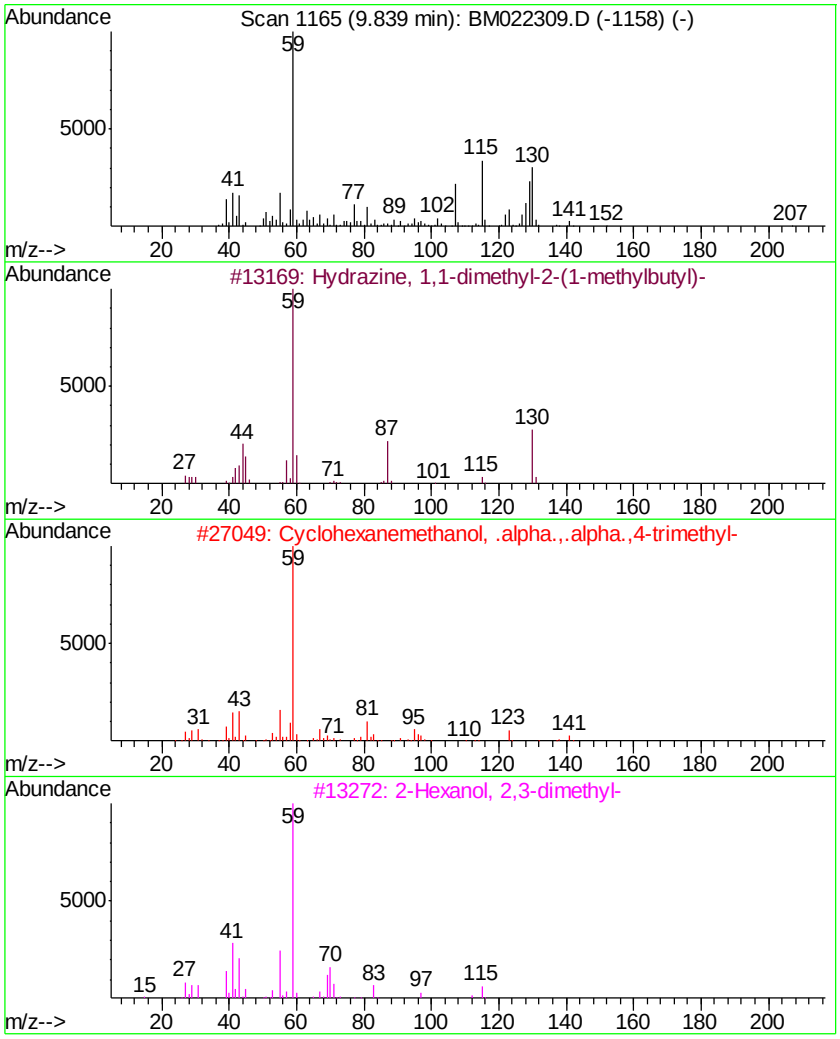
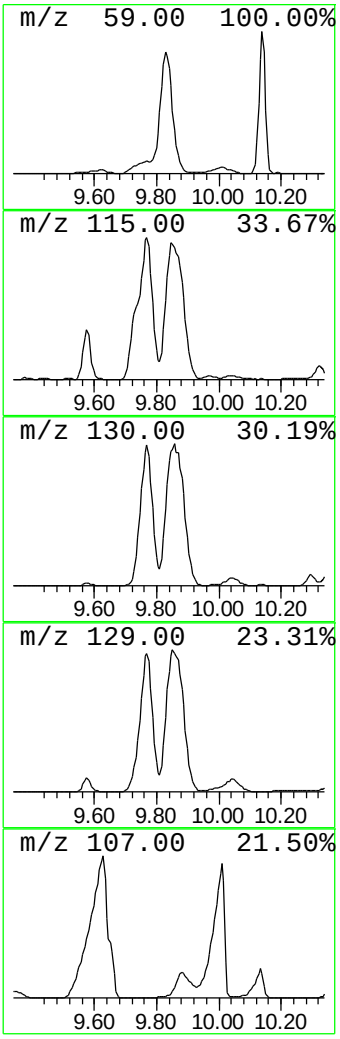
Peak Number 11 unknown-01 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.84	38.34 ng/ul	1978310	Naphthalene-d8	10.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hydrazine, 1,1-dimethyl-2-(1-met...	130	C7H18N2	075267-97-9	46
2	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	000498-81-7	35
3	2-Hexanol, 2,3-dimethyl-	130	C8H18O	019550-03-9	32
4	2-Heptanol, 2-methyl-	130	C8H18O	000625-25-2	32
5	o-Menthan-8-ol	156	C10H20O	343855-44-7	27





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Quant Title : SVOA CALIBRATION

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

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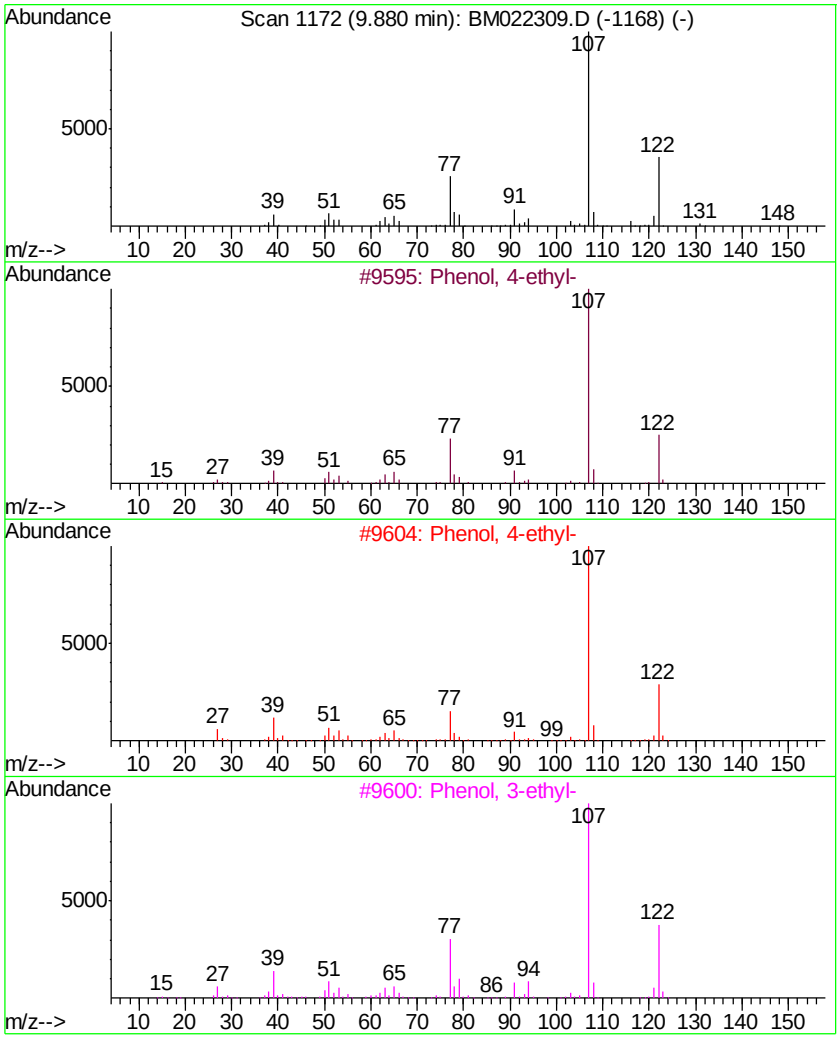
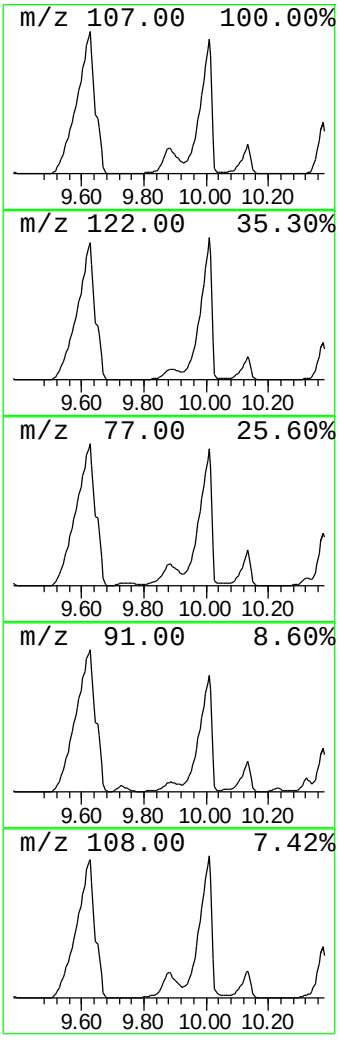
Peak Number 12 Phenol, 4-ethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.88	69.48 ng/ul	3584890	Naphthalene-d8	10.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-ethyl-	122	C8H10O	000123-07-9	87
2	Phenol, 4-ethyl-	122	C8H10O	000123-07-9	87
3	Phenol, 3-ethyl-	122	C8H10O	000620-17-7	87
4	Phenol, 3-ethyl-	122	C8H10O	000620-17-7	87
5	Phenol, 2-ethyl-	122	C8H10O	000090-00-6	86





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ClientSampleId : C0AD2

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Quant Title : SVOA CALIBRATION

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

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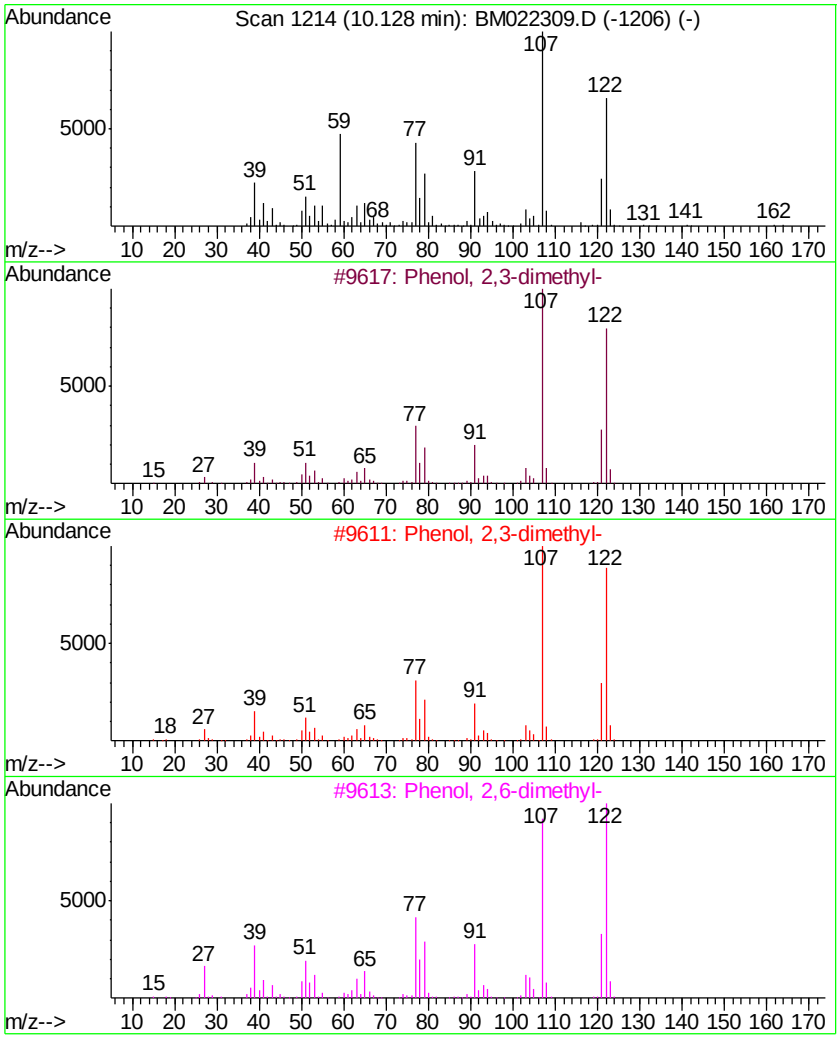
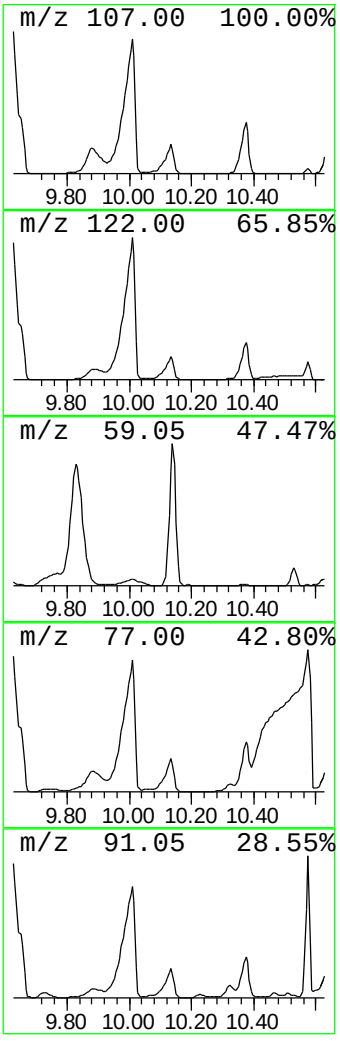
Peak Number 13 Phenol, 2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.13	108.95 ng/ul	5621300	Naphthalene-d8	10.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,3-dimethyl-	122	C8H10O	000526-75-0	95
2	Phenol, 2,3-dimethyl-	122	C8H10O	000526-75-0	90
3	Phenol, 2,6-dimethyl-	122	C8H10O	000576-26-1	83
4	Phenol, 2,5-dimethyl-	122	C8H10O	000095-87-4	81
5	Phenol, 3,5-dimethyl-	122	C8H10O	000108-68-9	81





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Quant Title : SVOA CALIBRATION

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

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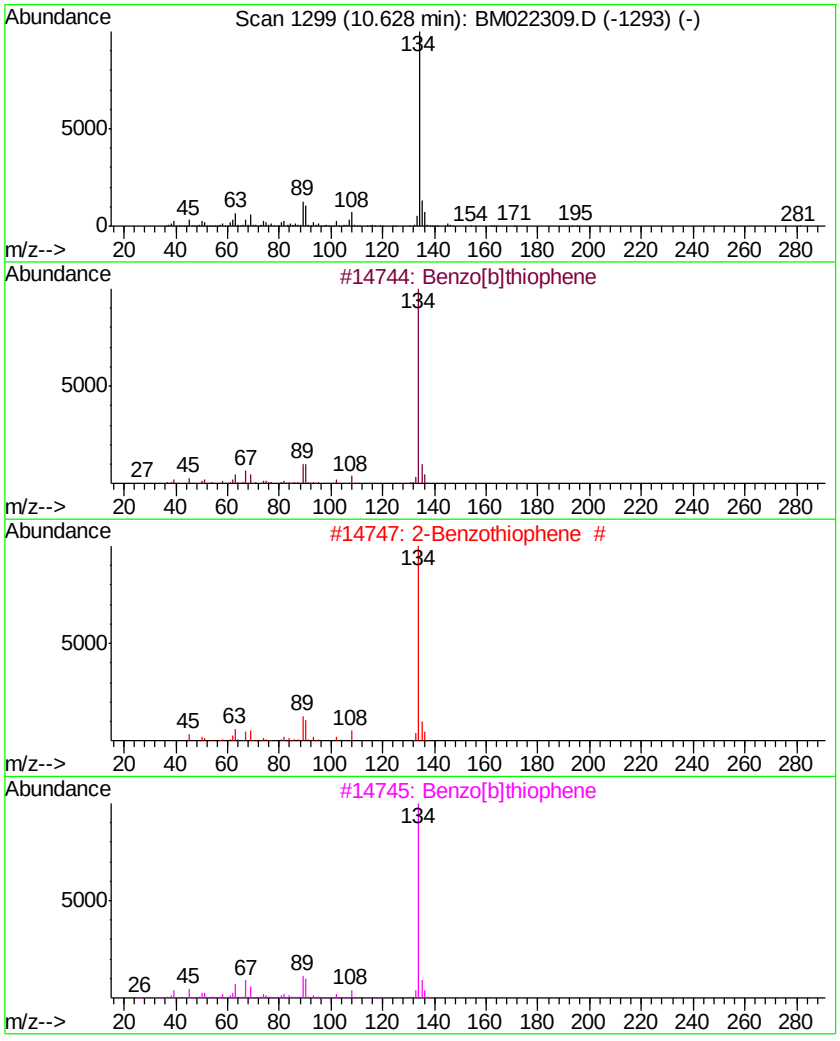
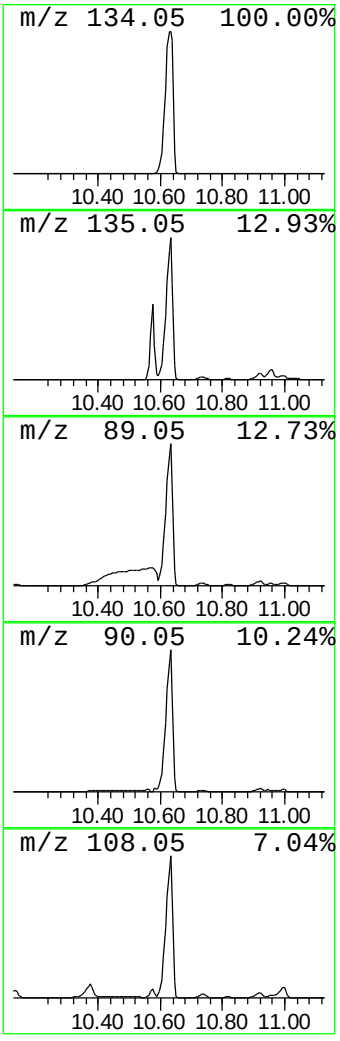
Peak Number 15 Benzo[b]thiophene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.63	717.39 ng/ul	37015000	Naphthalene-d8	10.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene	134	C8H6S	000095-15-8	95
2	2-Benzothiophene #	134	C8H6S	000270-82-6	94
3	Benzo[b]thiophene	134	C8H6S	000095-15-8	91
4	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	90
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	87





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Quant Title : SVOA CALIBRATION

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

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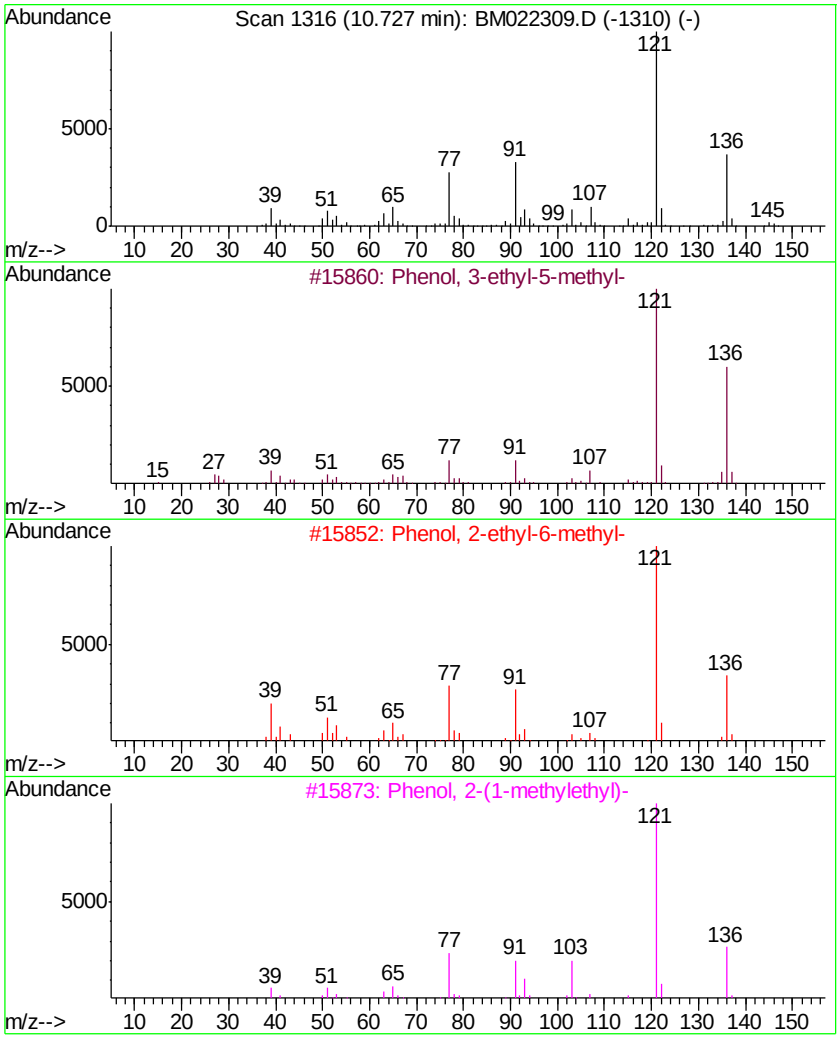
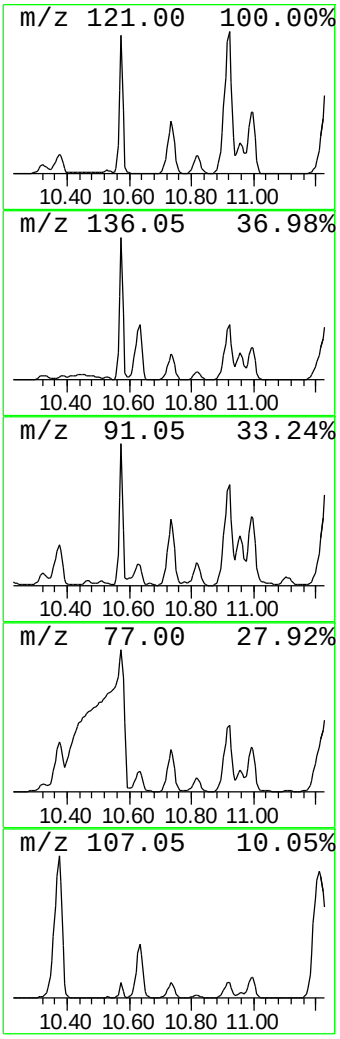
Peak Number 16 Phenol, 3-ethyl-5-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.73	96.75 ng/ul	4992180	Naphthalene-d8	10.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-ethyl-5-methyl-	136	C9H12O	000698-71-5	90
2	Phenol, 2-ethyl-6-methyl-	136	C9H12O	001687-64-5	90
3	Phenol, 2-(1-methylethyl)-	136	C9H12O	000088-69-7	87
4	Phenol, 3-(1-methylethyl)-	136	C9H12O	000618-45-1	86
5	Phenol, 4-(1-methylethyl)-	136	C9H12O	000099-89-8	86





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Quant Title : SVOA CALIBRATION

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

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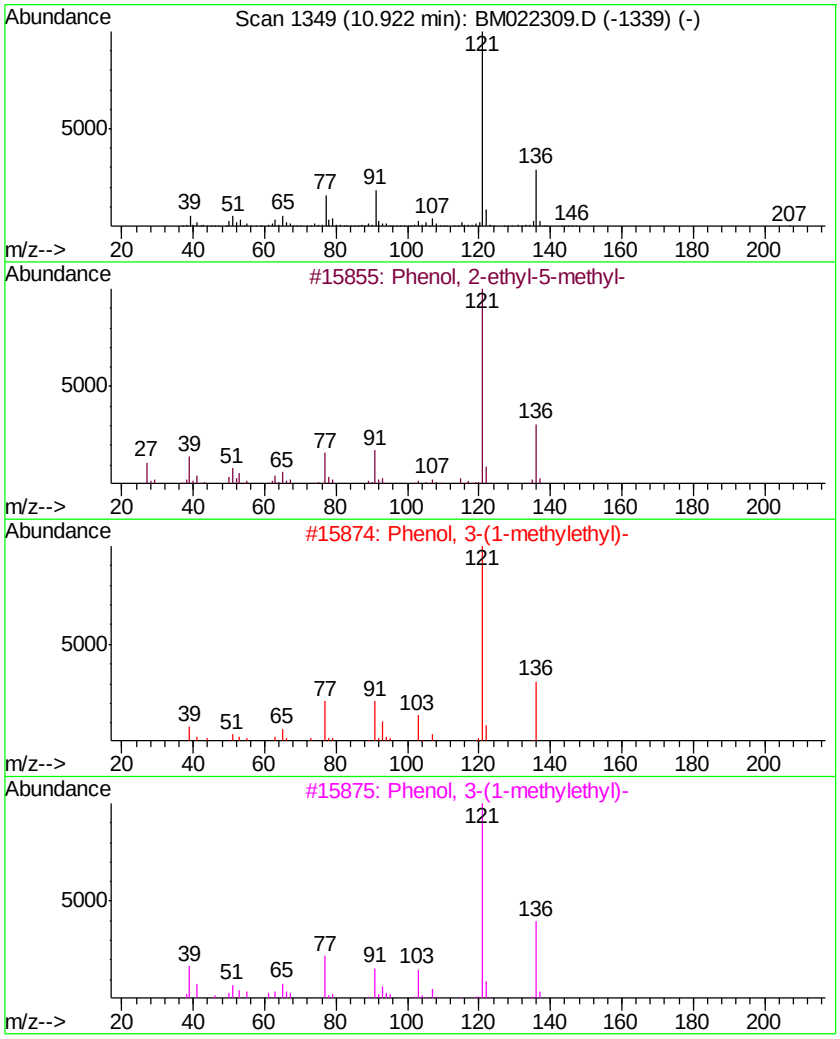
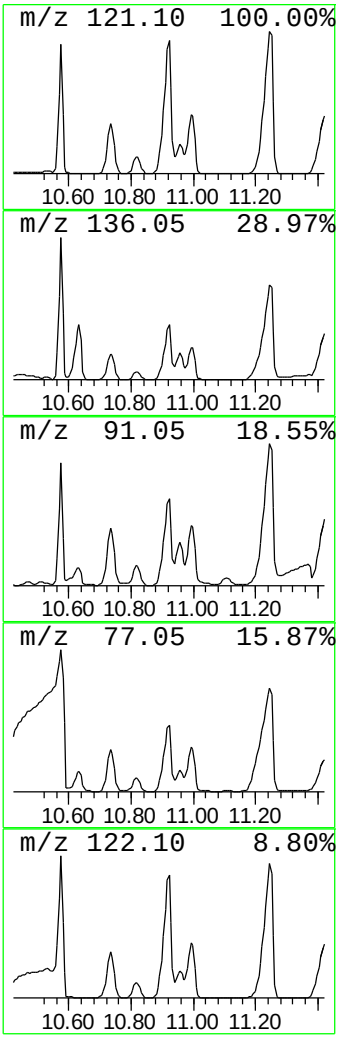
Peak Number 18 Phenol, 2-ethyl-5-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.92	202.00 ng/ul	10422600	Naphthalene-d8	10.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-ethyl-5-methyl-	136	C9H12O	001687-61-2	94
2	Phenol, 3-(1-methylethyl)-	136	C9H12O	000618-45-1	91
3	Phenol, 3-(1-methylethyl)-	136	C9H12O	000618-45-1	91
4	Phenol, 3,4,5-trimethyl-	136	C9H12O	000527-54-8	91
5	Phenol, 3-(1-methylethyl)-	136	C9H12O	000618-45-1	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 19 Phenol, 2,3,6-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.96	65.88 ng/ul	3399420	Naphthalene-d8	10.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,3,6-trimethyl-	136	C9H12O	002416-94-6	96
2	Phenol, 2,4,6-trimethyl-	136	C9H12O	000527-60-6	95
3	Phenol, 2,3,6-trimethyl-	136	C9H12O	002416-94-6	95
4	Phenol, 2,4,6-trimethyl-	136	C9H12O	000527-60-6	95
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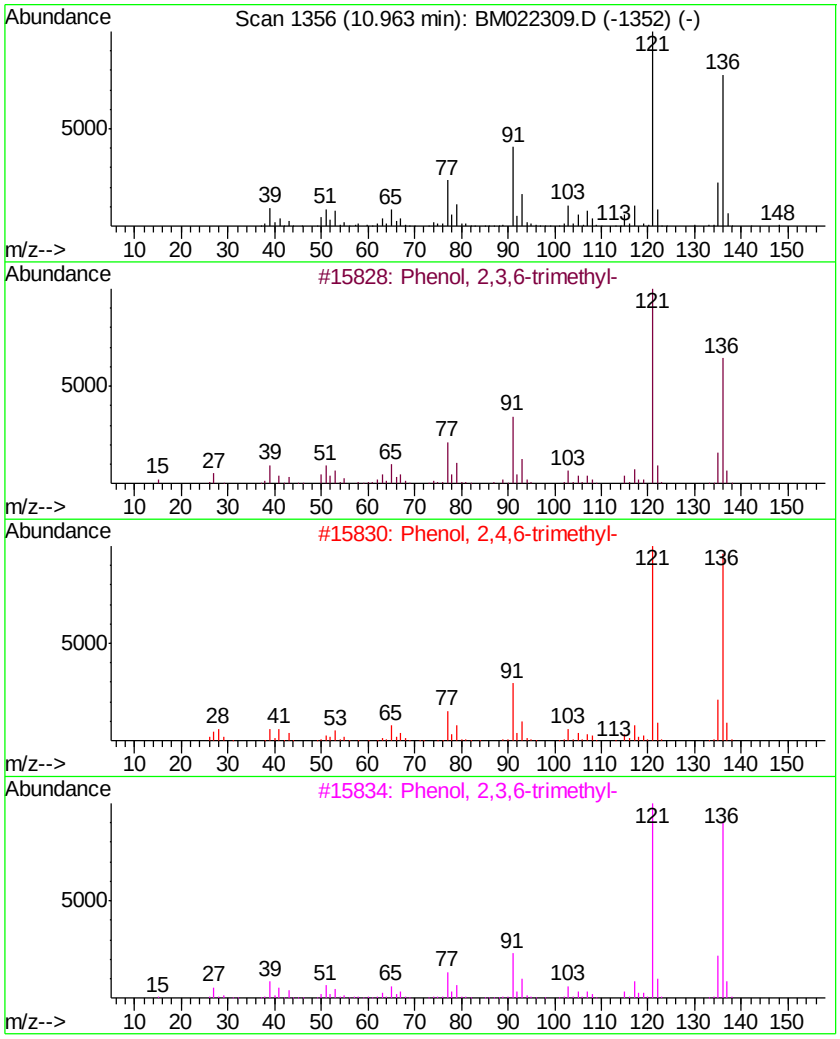

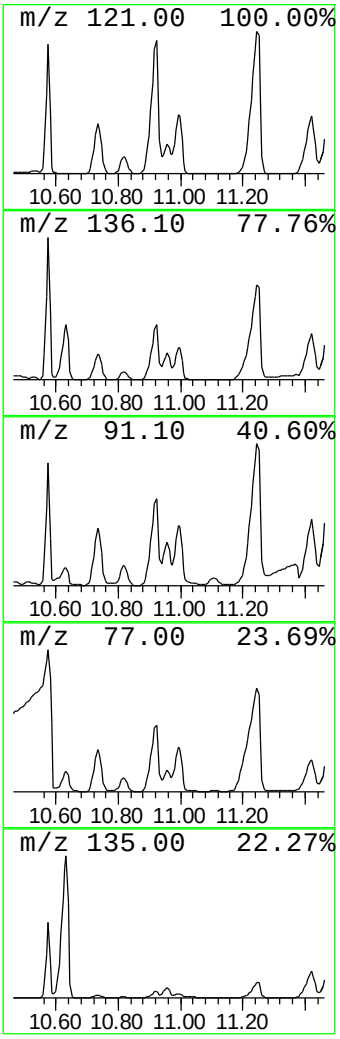

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Quant Title : SVOA CALIBRATION

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

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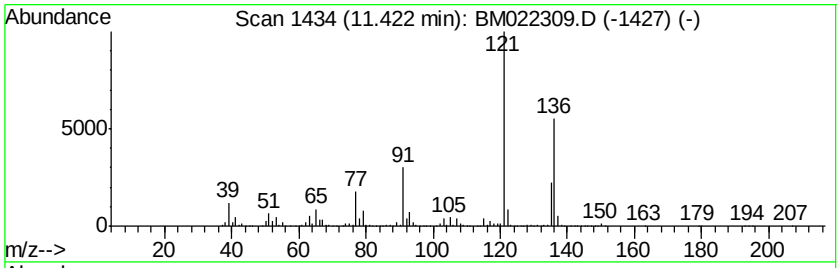
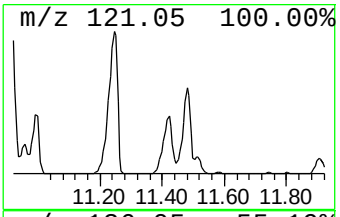
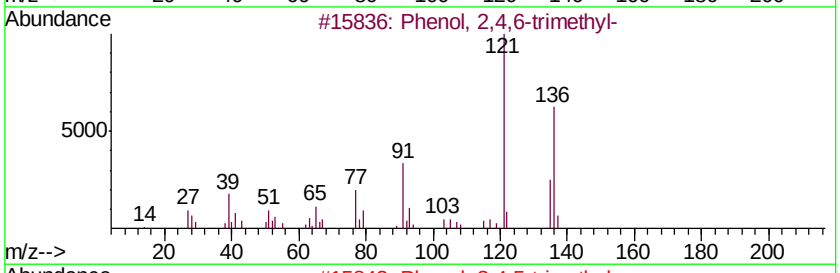
Peak Number 22 Phenol, 2,4,6-trimethyl- Concentration Rank 11

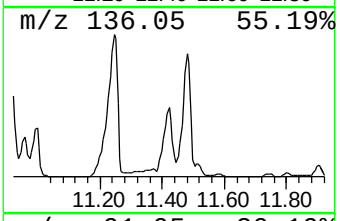
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.42	139.69 ng/ul	7207720	Naphthalene-d8	10.32

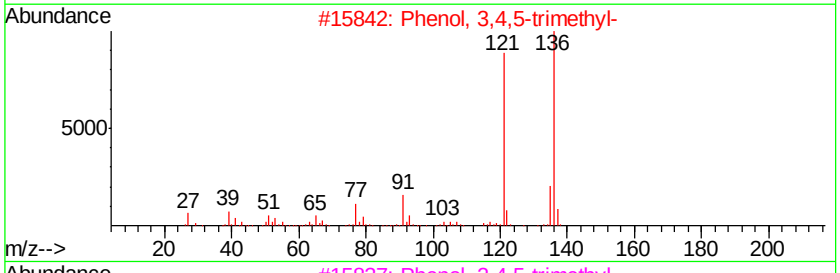
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,4,6-trimethyl-	136	C9H12O	000527-60-6	94
2	Phenol, 3,4,5-trimethyl-	136	C9H12O	000527-54-8	93
3	Phenol, 2,4,5-trimethyl-	136	C9H12O	000496-78-6	91
4	Phenol, 3,4,5-trimethyl-	136	C9H12O	000527-54-8	91
5	Phenol, 3,4,5-trimethyl-	136	C9H12O	000527-54-8	91

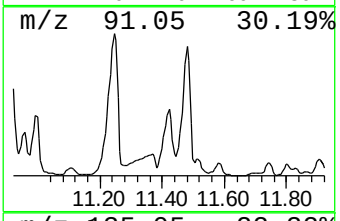


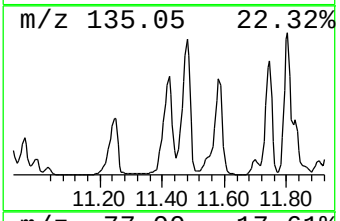


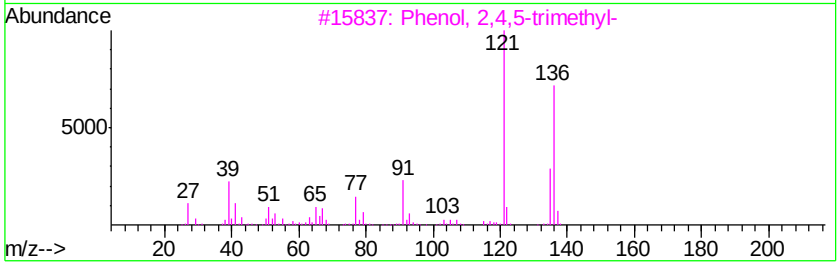


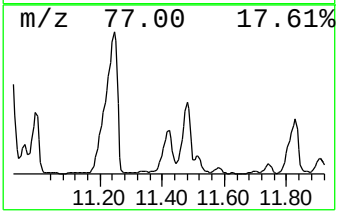












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Data File : BM022309.D
Acq On : 25 Aug 2019 01:43
Operator : HP/JU
Sample : K4373-14
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

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

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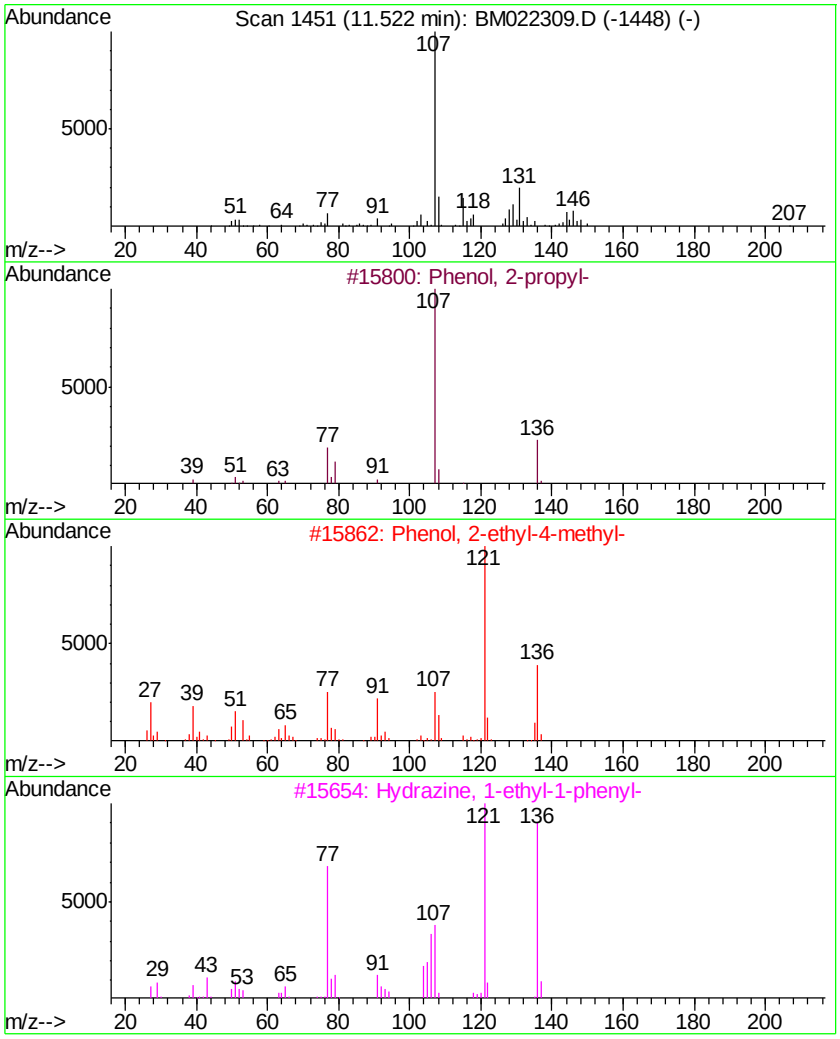
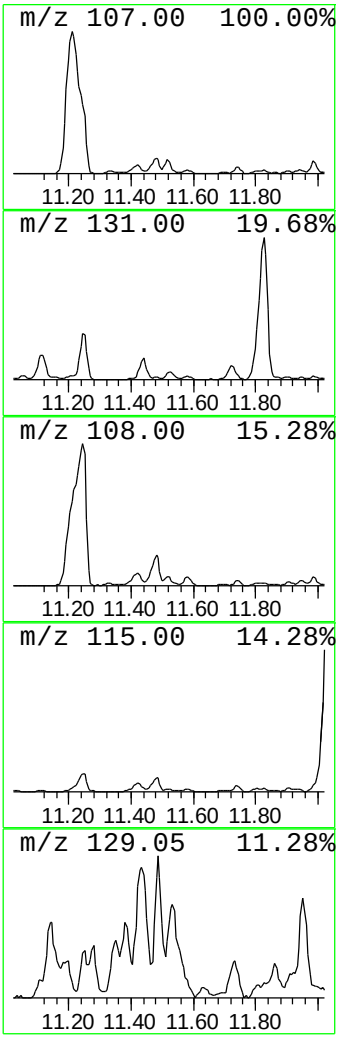
Peak Number 24 Phenol, 2-propyl- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.52	22.68 ng/ul	1170110	Naphthalene-d8	10.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-propyl-	136	C9H12O	000644-35-9	60
2	Phenol, 2-ethyl-4-methyl-	136	C9H12O	003855-26-3	60
3	Hydrazine, 1-ethyl-1-phenyl-	136	C8H12N2	000644-21-3	58
4	2,4-Dimethylanisole	136	C9H12O	006738-23-4	53
5	Phenol, 2-ethyl-6-methyl-	136	C9H12O	001687-64-5	53





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ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD2

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Quant Title : SVOA CALIBRATION

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

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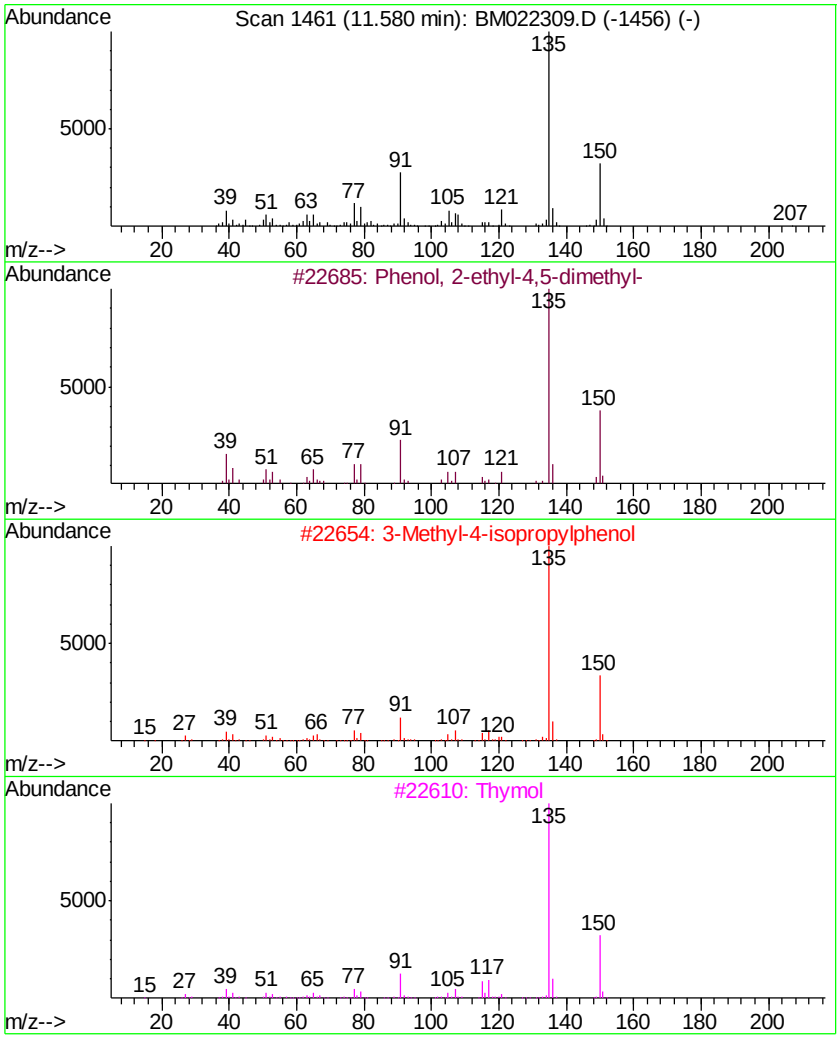
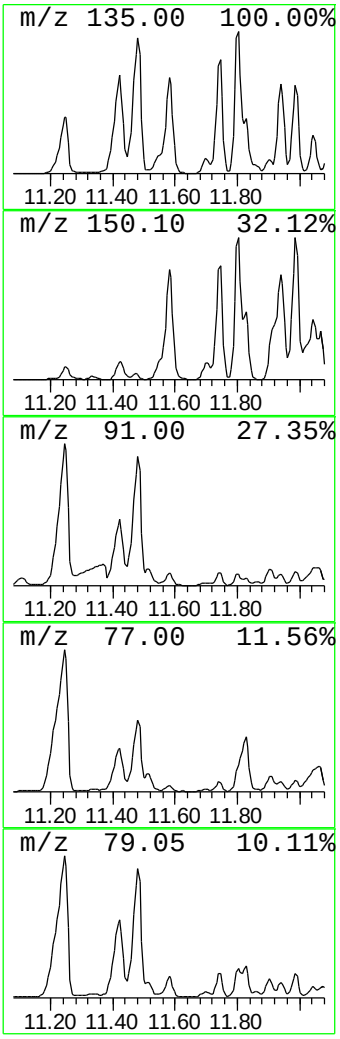
Peak Number 25 Phenol, 2-ethyl-4,5-dimethyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.58	24.86 ng/ul	1282740	Naphthalene-d8	10.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-ethyl-4,5-dimethyl-	150	C10H14O	002219-78-5	90
2	3-Methyl-4-isopropylphenol	150	C10H14O	003228-02-2	87
3	Thymol	150	C10H14O	000089-83-8	80
4	Cyclohexene, 2-ethenyl-1,3,3-tri...	150	C11H18	005293-90-3	80
5	4-Hydroxy-2-methylacetophenone	150	C9H10O2	000875-59-2	80





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ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD2

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Quant Title : SVOA CALIBRATION

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

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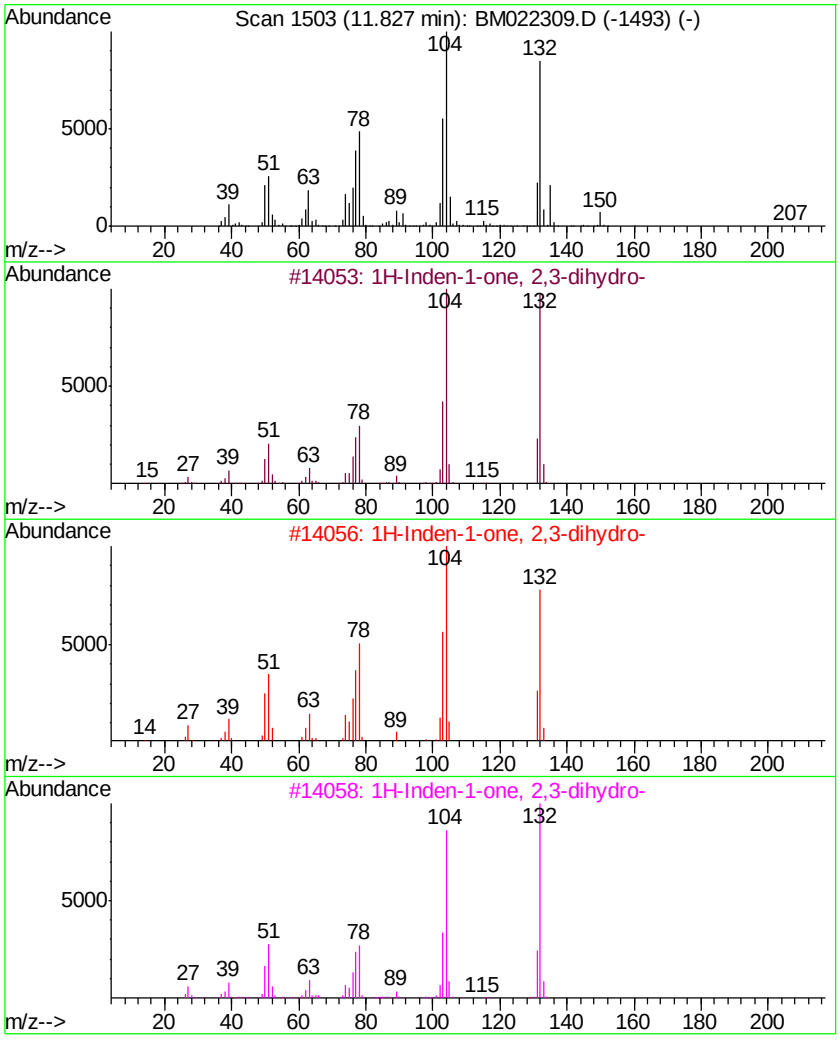
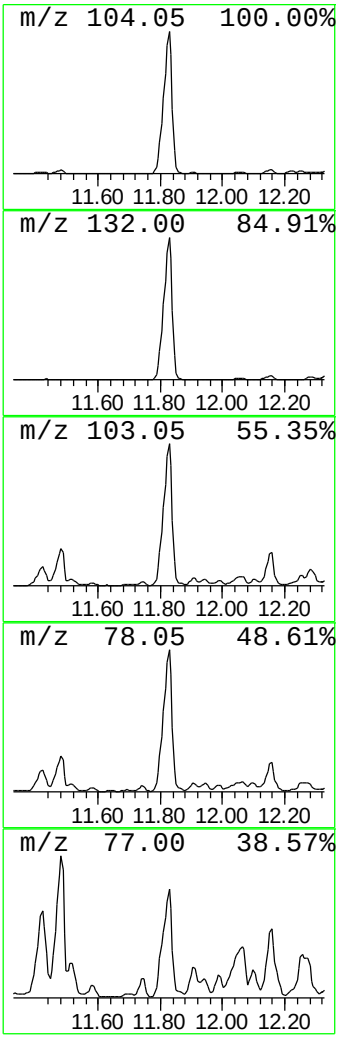
Peak Number 27 1H-Inden-1-one, 2,3-dihydro- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	158.75 ng/ul	8190980	Naphthalene-d8	10.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	96
2	1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	95
3	1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	76
4	5-Aminoindole	132	C8H8N2	005192-03-0	50
5	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	49





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ClientSampleId : C0AD2

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Quant Title : SVOA CALIBRATION

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

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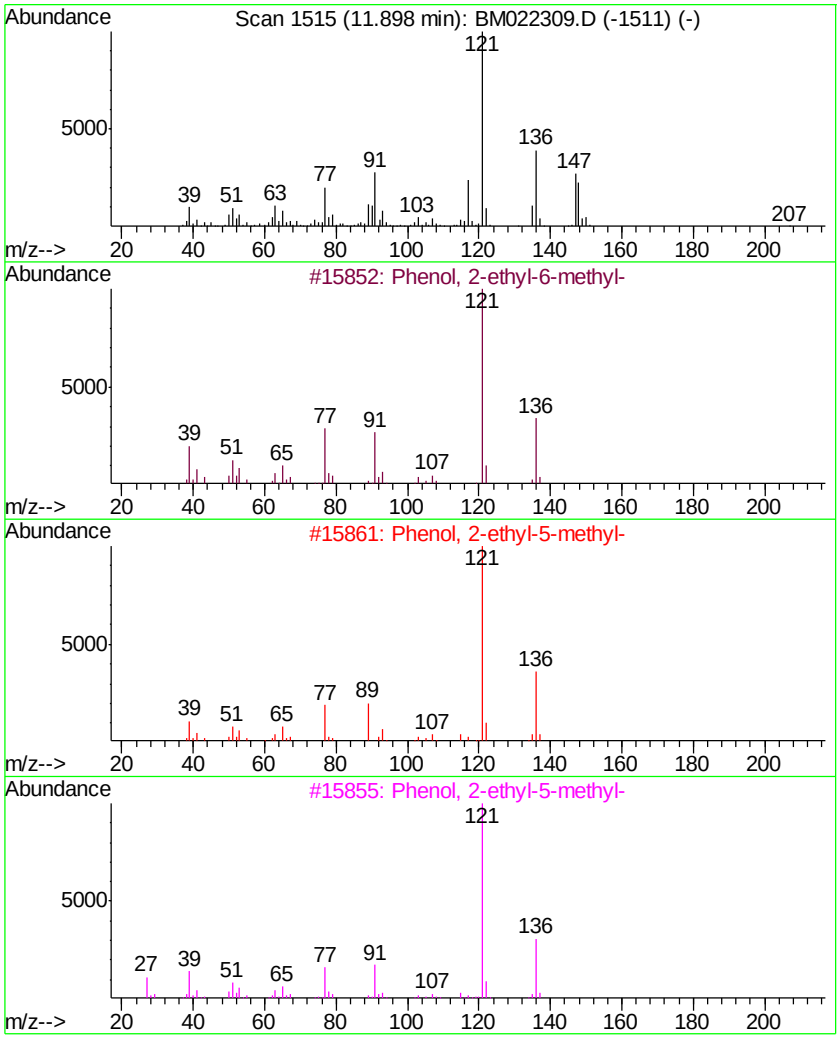
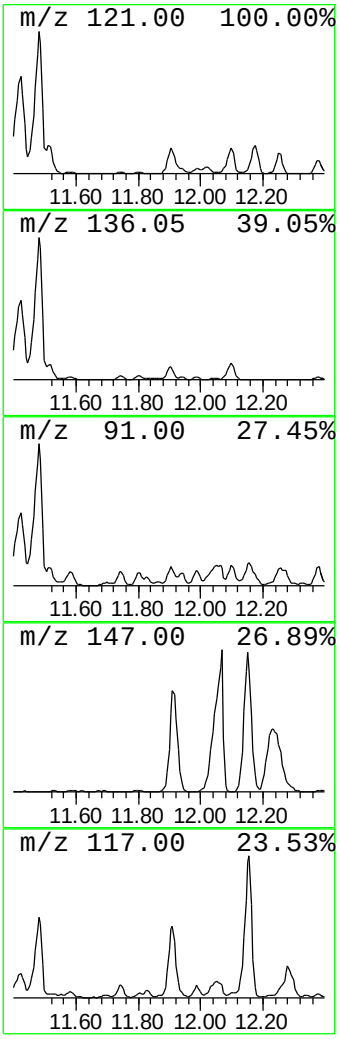
Peak Number 28 Phenol, 2-ethyl-6-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	45.03 ng/ul	2323510	Naphthalene-d8	10.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-ethyl-6-methyl-	136	C9H12O	001687-64-5	89
2	Phenol, 2-ethyl-5-methyl-	136	C9H12O	001687-61-2	50
3	Phenol, 2-ethyl-5-methyl-	136	C9H12O	001687-61-2	46
4	Phenol, 2,3,5-trimethyl-	136	C9H12O	000697-82-5	46
5	2-Methyl-6-propylphenol	150	C10H14O	003520-52-3	46





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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD2

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Quant Title : SVOA CALIBRATION

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

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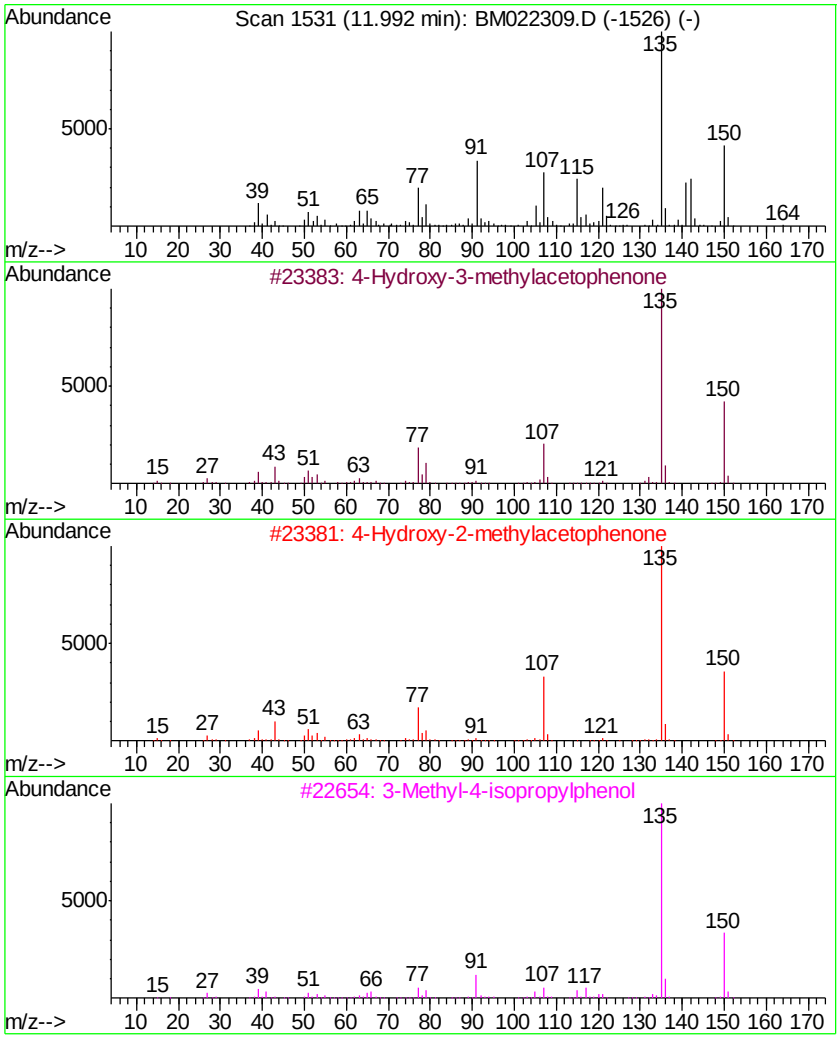
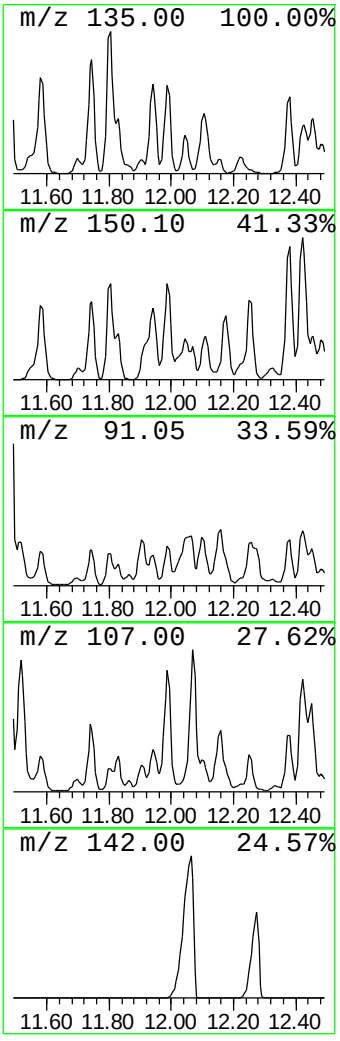
Peak Number 29 4-Hydroxy-3-methylacetophenone Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	22.49 ng/ul	1160360	Naphthalene-d8	10.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Hydroxy-3-methylacetophenone	150	C9H10O2	000876-02-8	92
2	4-Hydroxy-2-methylacetophenone	150	C9H10O2	000875-59-2	64
3	3-Methyl-4-isopropylphenol	150	C10H14O	003228-02-2	64
4	4-Hydroxy-2-methylacetophenone	150	C9H10O2	000875-59-2	62
5	Benzenemethanol, 4-(1-methylethyl)-	150	C10H14O	000536-60-7	58





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ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD2

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Quant Title : SVOA CALIBRATION

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

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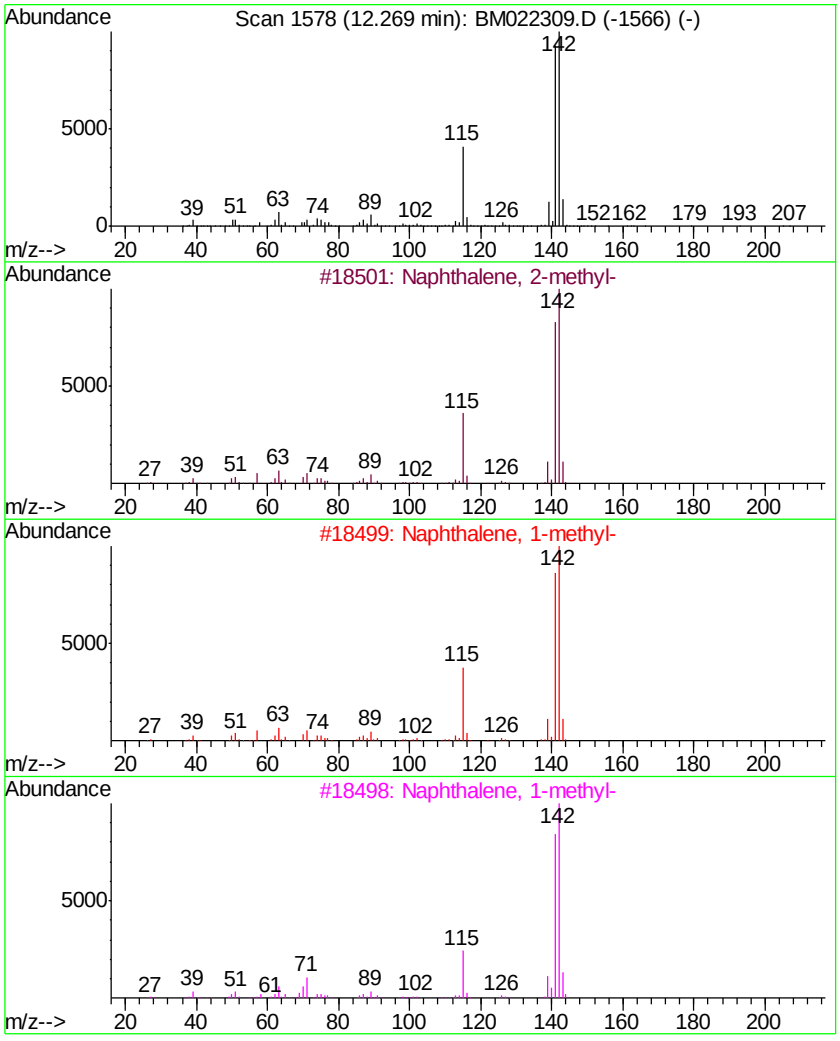
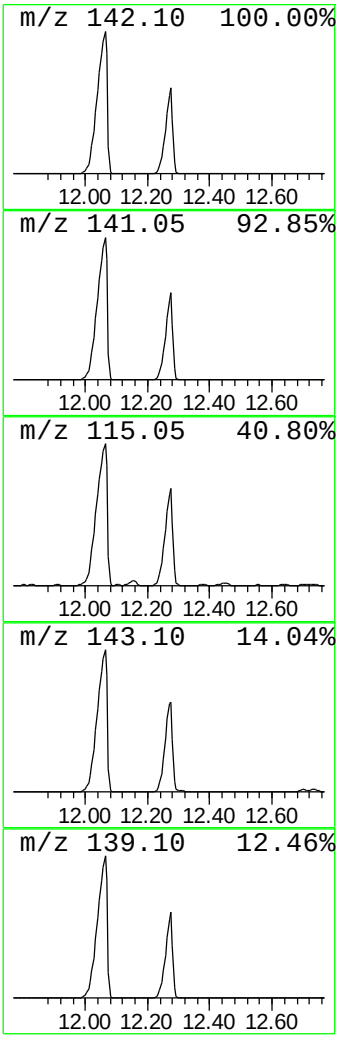
Peak Number 31 Naphthalene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	294.38 ng/ul	27764200	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91





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Operator : HP/JU
Sample : K4373-14
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

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

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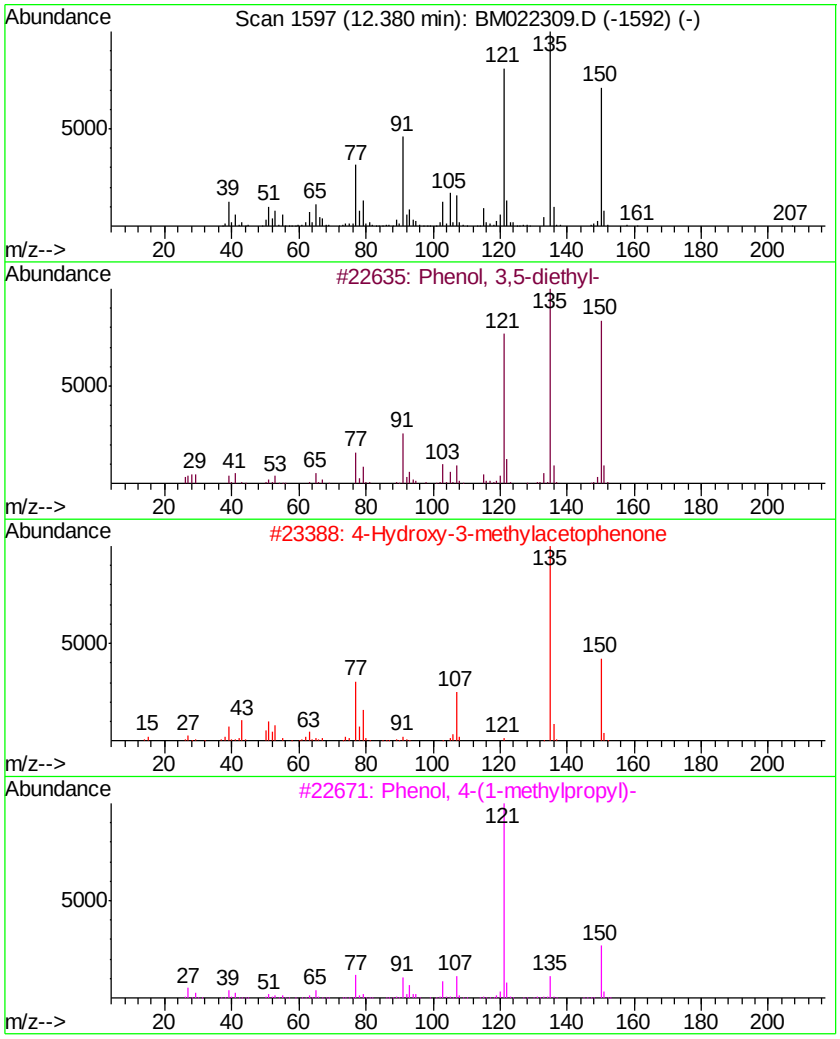
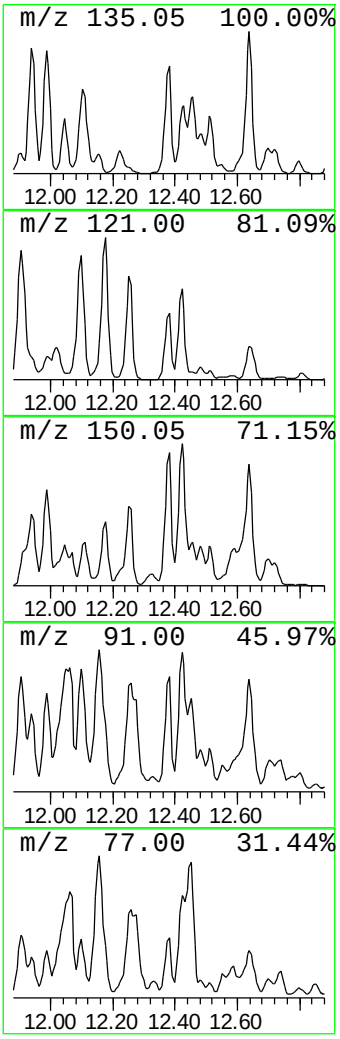
Peak Number 32 Phenol, 3,5-diethyl- Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	14.21 ng/ul	1340110	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3,5-diethyl-	150	C10H14O	001197-34-8	95
2	4-Hydroxy-3-methylacetophenone	150	C9H10O2	000876-02-8	60
3	Phenol, 4-(1-methylpropyl)-	150	C10H14O	000099-71-8	58
4	Phenol, 2-(1-methylpropyl)-	150	C10H14O	000089-72-5	58
5	Benzene, 1-methoxy-4-(1-methylet...	150	C10H14O	004132-48-3	55





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Misc :
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Quant Title : SVOA CALIBRATION

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

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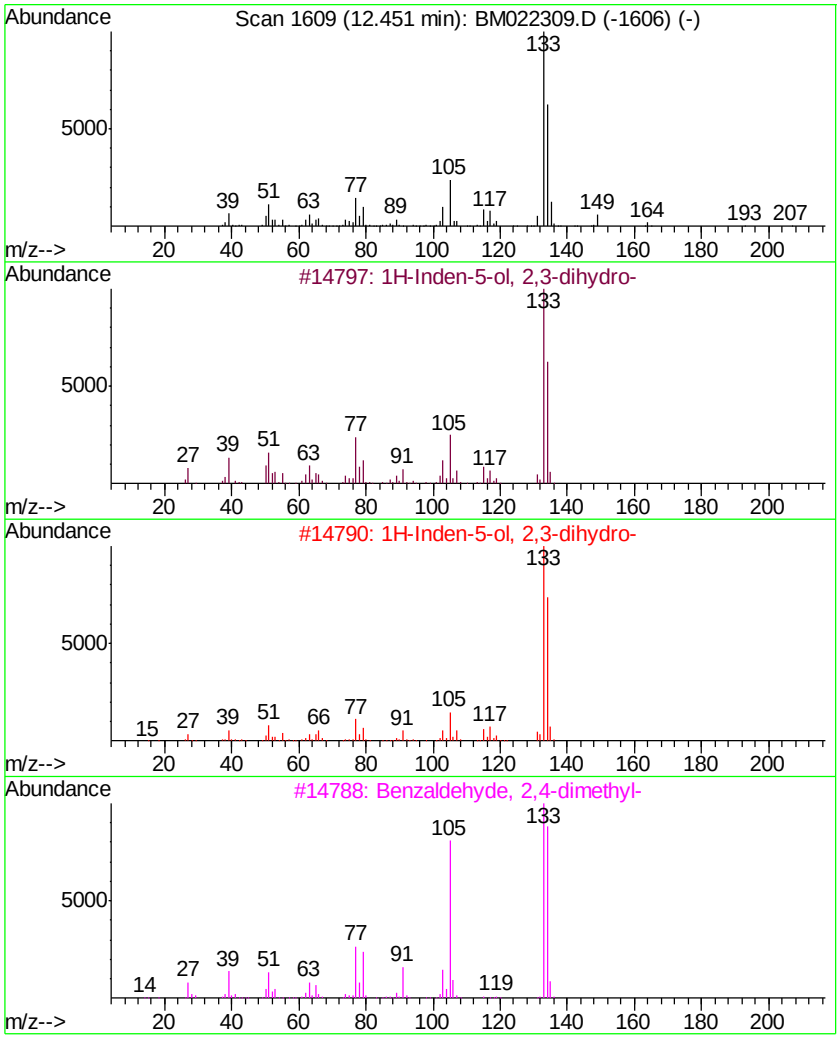
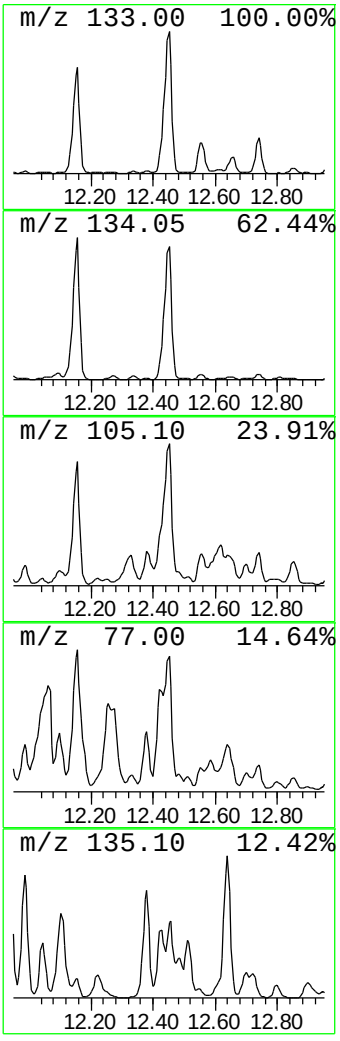
Peak Number 34 1H-Inden-5-ol, 2,3-dihydro- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	30.16 ng/ul	2844820	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Inden-5-ol, 2,3-dihydro-	134	C9H10O	001470-94-6	91
2	1H-Inden-5-ol, 2,3-dihydro-	134	C9H10O	001470-94-6	90
3	Benzaldehyde, 2,4-dimethyl-	134	C9H10O	015764-16-6	86
4	Benzaldehyde, 2,4-dimethyl-	134	C9H10O	015764-16-6	72
5	Benzaldehyde, 3,4-dimethyl-	134	C9H10O	005973-71-7	72





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Quant Title : SVOA CALIBRATION

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

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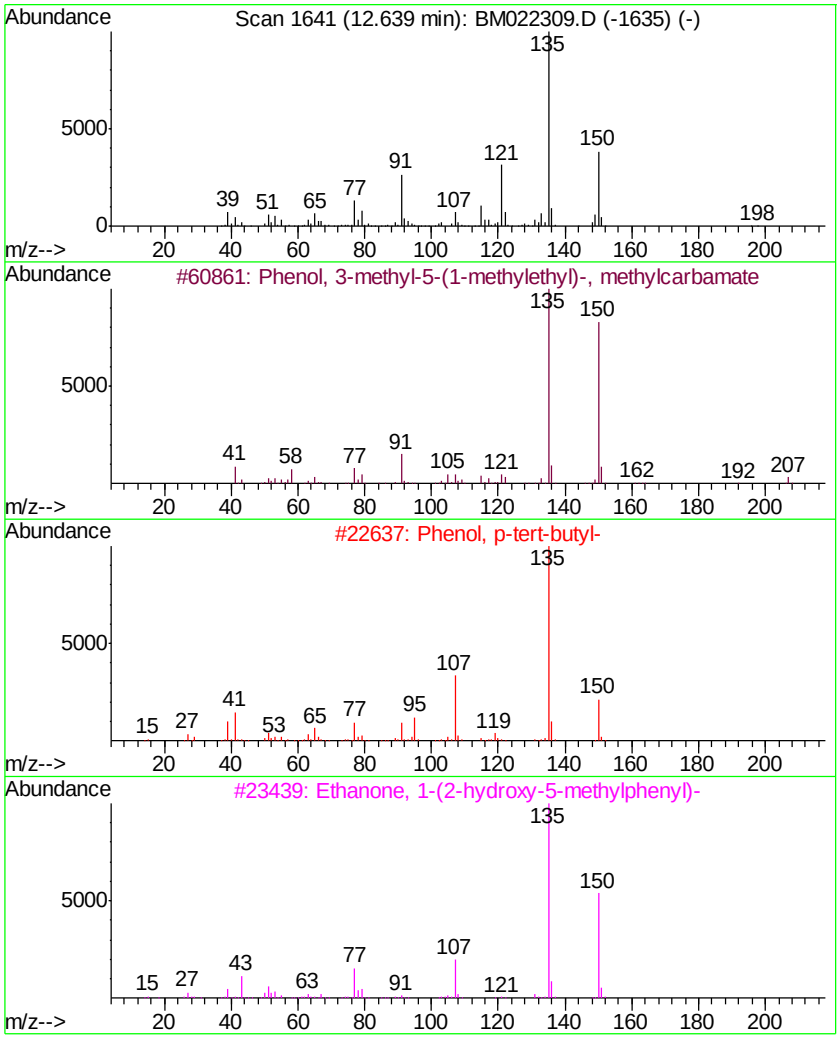
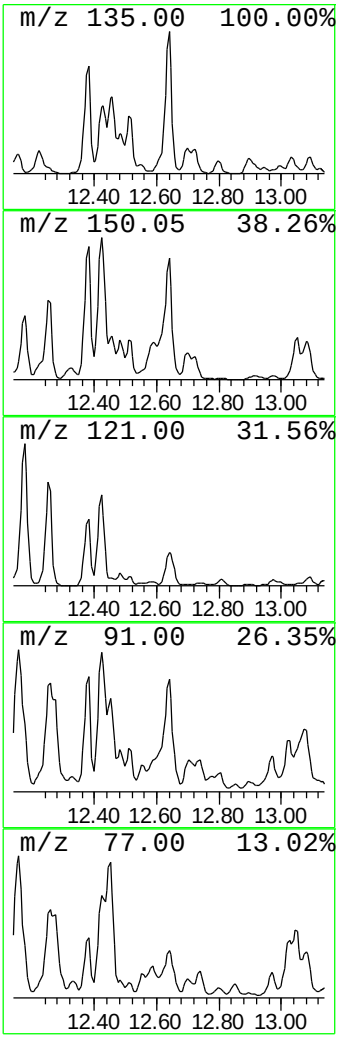
Peak Number 35 Phenol, 3-methyl-5-(1-methy... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	21.06 ng/ul	1986040	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-methyl-5-(1-methylethy...	207	C12H17NO2	002631-37-0	83
2	Phenol, p-tert-butyl-	150	C10H14O	000098-54-4	81
3	Ethanone, 1-(2-hydroxy-5-methylp...	150	C9H10O2	001450-72-2	81
4	2,5-Diethylphenol	150	C10H14O	000876-20-0	80
5	3,4-Diethylphenol	150	C10H14O	000875-85-4	78





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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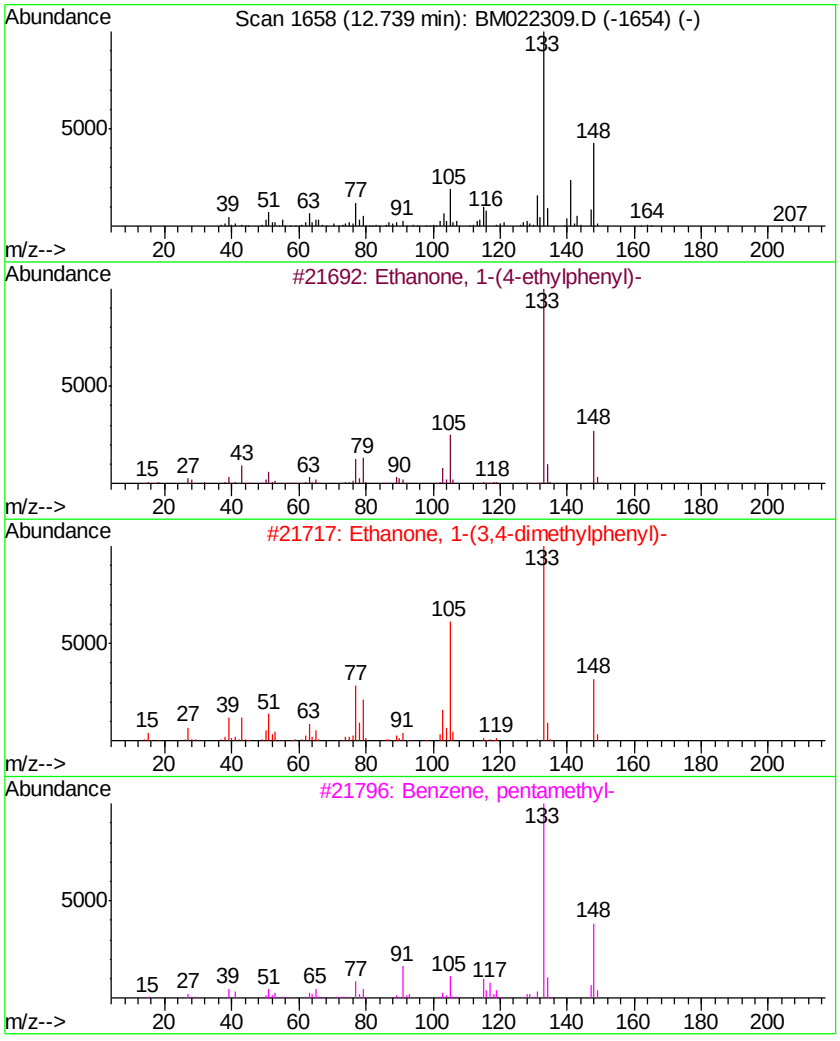
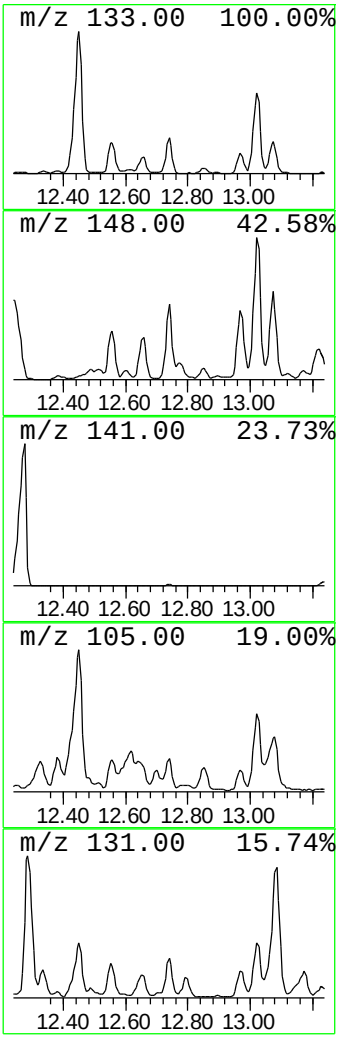
Peak Number 36 Ethanone, 1-(4-ethylphenyl)- Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.74	9.87 ng/ul	930423	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(4-ethylphenyl)-	148	C10H12O	000937-30-4	70
2	Ethanone, 1-(3,4-dimethylphenyl)-	148	C10H12O	003637-01-2	70
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	64
4	Benzene, pentamethyl-	148	C11H16	000700-12-9	64
5	Ethanone, 1-(2,4-dimethylphenyl)-	148	C10H12O	000089-74-7	62





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
Data File : BM022309.D
Acq On : 25 Aug 2019 01:43
Operator : HP/JU
Sample : K4373-14
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

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

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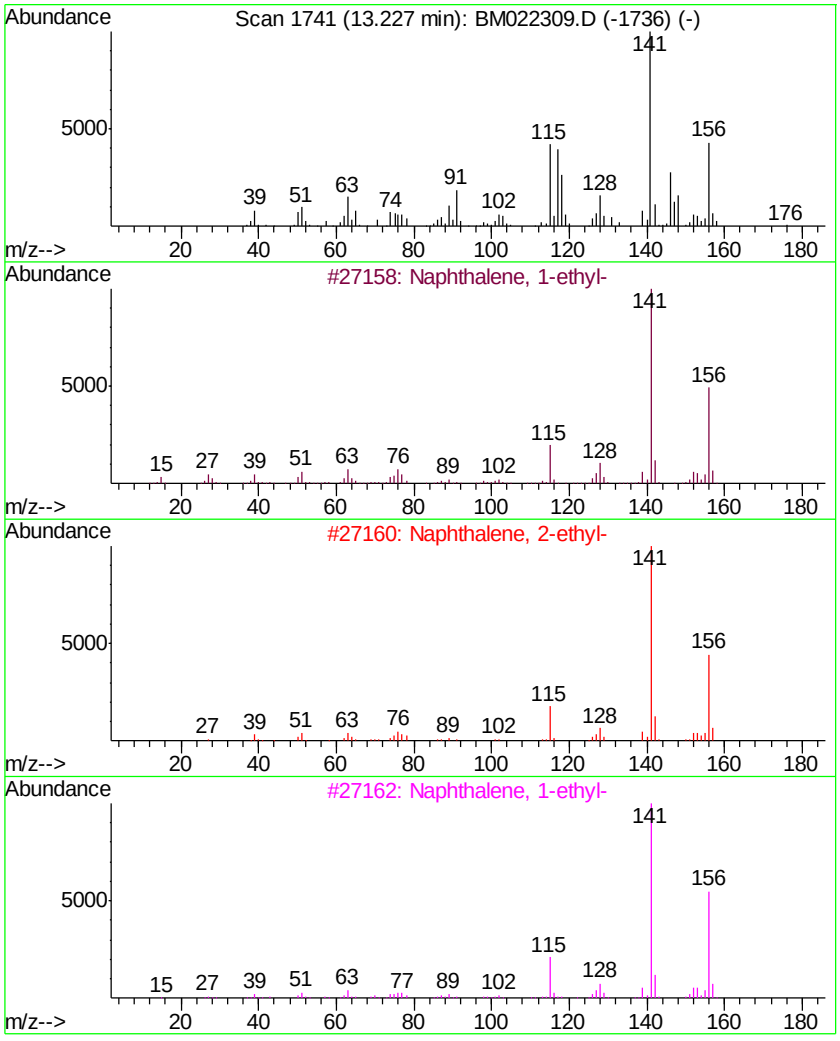
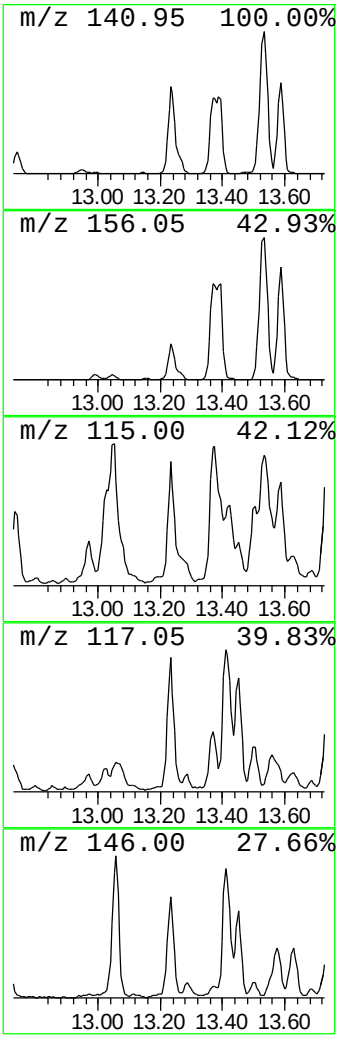
Peak Number 38 Naphthalene, 1-ethyl- Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.23	9.64 ng/ul	908808	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	92
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	90
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	76
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	64
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
Data File : BM022309.D
Acq On : 25 Aug 2019 01:43
Operator : HP/JU
Sample : K4373-14
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION

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

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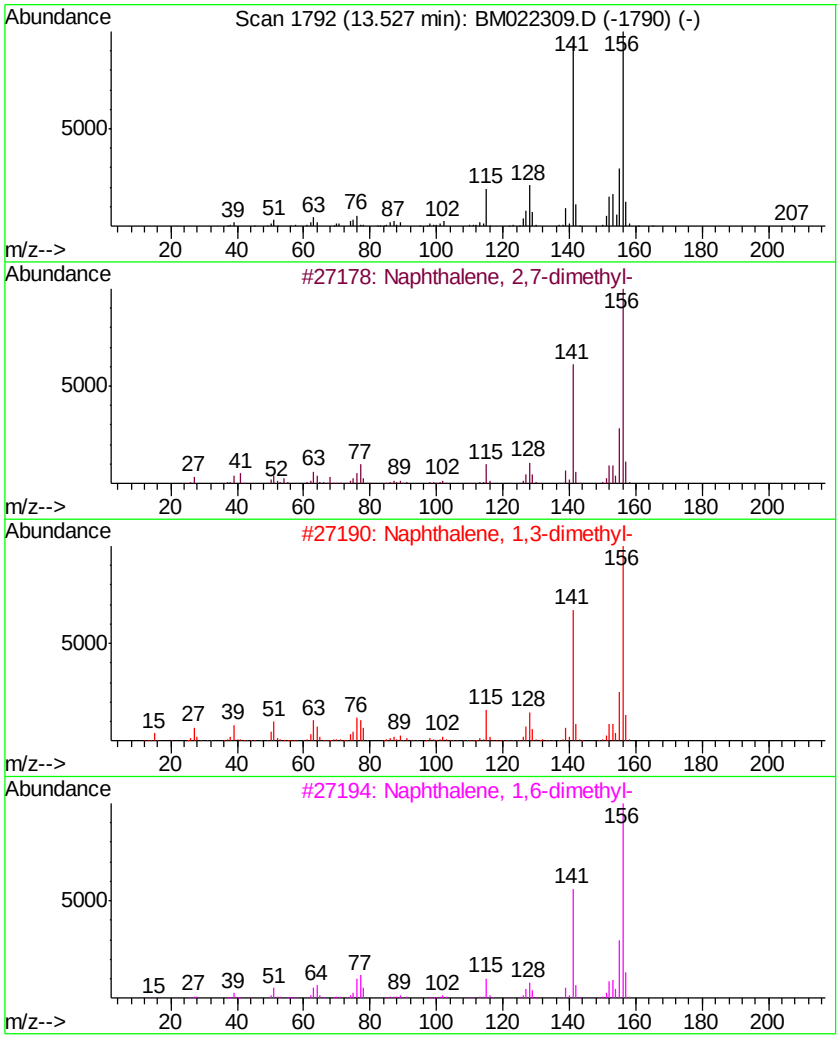
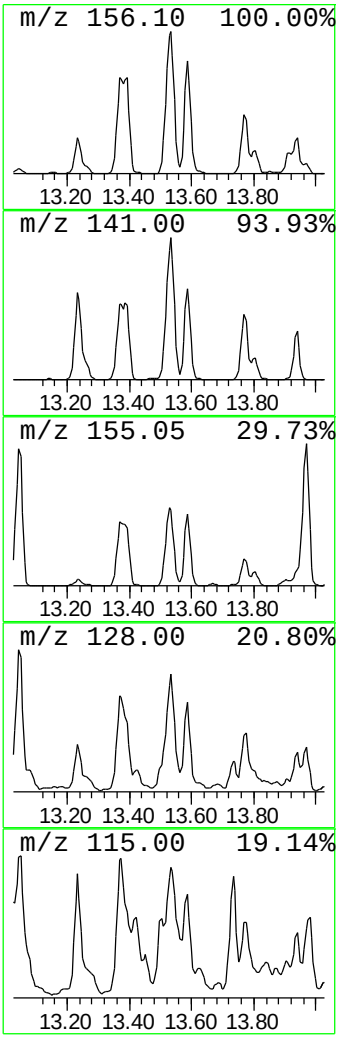
Peak Number 42 Naphthalene, 2,7-dimethyl- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.53	20.51 ng/ul	1934470	Acenaphthene-d10	14.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM082319\
Data File : BM022309.D
Acq On : 25 Aug 2019 01:43
Operator : HP/JU
Sample : K4373-14
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.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
Benzene, 1,2,3-tr...	7.19	6.1	ng/ul	919958	1	7.56	3026230	20.0
Benzofuran	7.28	20.0	ng/ul	3026230	1	7.56	3026230	20.0
Indane	7.92	89.1	ng/ul	13478900	1	7.56	3026230	20.0
Benzene, 1-propynyl-	8.09	33.6	ng/ul	5084500	1	7.56	3026230	20.0
Benzonitrile, 4-m...	8.49	13.7	ng/ul	2078870	1	7.56	3026230	20.0
Benzofuran, 2-met...	8.89	8.1	ng/ul	1221350	1	7.56	3026230	20.0
Phenol, 2,6-dimet...	9.00	185.1	ng/ul	9548630	2	10.32	1031940	20.0
Phenol, 2-ethyl-	9.34	22.1	ng/ul	1142970	2	10.32	1031940	20.0
Benzene, 2-etheny...	9.73	24.2	ng/ul	1250480	2	10.32	1031940	20.0
unknown-01	9.84	38.3	ng/ul	1978310	2	10.32	1031940	20.0
Phenol, 4-ethyl-	9.88	69.5	ng/ul	3584890	2	10.32	1031940	20.0
Phenol, 2,3-dimet...	10.13	109.0	ng/ul	5621300	2	10.32	1031940	20.0
Benzo[b]thiophene	10.63	717.4	ng/ul	37015000	2	10.32	1031940	20.0
Phenol, 3-ethyl-5...	10.73	96.8	ng/ul	4992180	2	10.32	1031940	20.0
Phenol, 2-ethyl-5...	10.92	202.0	ng/ul	10422600	2	10.32	1031940	20.0
Phenol, 2,3,6-tri...	10.96	65.9	ng/ul	3399420	2	10.32	1031940	20.0
Phenol, 2,4,6-tri...	11.42	139.7	ng/ul	7207720	2	10.32	1031940	20.0
Phenol, 2-propyl-	11.52	22.7	ng/ul	1170110	2	10.32	1031940	20.0
Phenol, 2-ethyl-4...	11.58	24.9	ng/ul	1282740	2	10.32	1031940	20.0
1H-Inden-1-one, 2...	11.83	158.8	ng/ul	8190980	2	10.32	1031940	20.0
Phenol, 2-ethyl-6...	11.90	45.0	ng/ul	2323510	2	10.32	1031940	20.0
4-Hydroxy-3-methy...	11.99	22.5	ng/ul	1160360	2	10.32	1031940	20.0
Naphthalene, 1-me...	12.27	294.4	ng/ul	27764200	3	14.22	1886280	20.0
Phenol, 3,5-diethyl-	12.38	14.2	ng/ul	1340110	3	14.22	1886280	20.0
1H-Inden-5-ol, 2,...	12.45	30.2	ng/ul	2844820	3	14.22	1886280	20.0
Phenol, 3-methyl-...	12.64	21.1	ng/ul	1986040	3	14.22	1886280	20.0
Ethanone, 1-(4-et...	12.74	9.9	ng/ul	930423	3	14.22	1886280	20.0
Naphthalene, 1-et...	13.23	9.6	ng/ul	908808	3	14.22	1886280	20.0
Naphthalene, 2,7-...	13.53	20.5	ng/ul	1934470	3	14.22	1886280	20.0