LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082619\
Data File : BM022337.D
Acq On : 26 Aug 2019 18:57
Operator : HP/JU
Sample : K4373-11DL 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB2DL

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	3.816	136	141	147	rVB	12076	18943	0.62%	0.127%
2	5.081	351	356	363	rBV	21606	31623	1.03%	0.212%
3	5.210	374	378	390	rVB	13813	27750	0.90%	0.186%
4	7.545	769	775	782	rBV	83963	133570	4.34%	0.896%
5	7.898	829	835	843	rBV	184909	279465	9.07%	1.875%
6	8.010	850	854	860	rBV3	23753	38463	1.25%	0.258%
7	8.969	1013	1017	1021	rBV	22955	37652	1.22%	0.253%
8	9.010	1021	1024	1029	rVB3	12735	20912	0.68%	0.140%
9	9.522	1105	1111	1114	rBV	68153	111056	3.61%	0.745%
10	9.557	1114	1117	1124	rVB2	36457	56636	1.84%	0.380%
11	9.704	1135	1142	1147	rBV4	9811	21661	0.70%	0.145%
12	9.833	1157	1164	1172	rVV	87275	157289	5.11%	1.055%
13	9.975	1184	1188	1194	rVB2	19074	29010	0.94%	0.195%
14	10.233	1224	1232	1241	rBV3	34985	100001	3.25%	0.671%
15	10.316	1241	1246	1249	rVV	129473	212192	6.89%	1.424%
16	10.375	1249	1256	1263	rVB	1937270	3079799	100.00%	20.662%
17	10.486	1269	1275	1282	rVB2	119073	204851	6.65%	1.374%
18	10.869	1334	1340	1345	rVV3	32215	63776	2.07%	0.428%
19	11.169	1385	1391	1397	rBV	44525	72790	2.36%	0.488%
20	11.357	1419	1423	1428	rBV	12153	19744	0.64%	0.132%
21	11.410	1428	1432	1438	rVV2	23889	38741	1.26%	0.260%
22	11.745	1484	1489	1498	rVV	52799	91239	2.96%	0.612%
23	11.880	1505	1512	1520	rBV4	12302	25309	0.82%	0.170%
24	11.986	1525	1530	1538	rVV	136994	207564	6.74%	1.393%
25	12.116	1547	1552	1556	rVV	23875	35866	1.16%	0.241%
26	12.210	1560	1568	1577	rVV	342564	533026	17.31%	3.576%
27	12.416	1595	1603	1612	rVV4	21681	46449	1.51%	0.312%
28	13.021	1697	1706	1714	rVB2	79891	139499	4.53%	0.936%
29	13.351	1757	1762	1770	rBV3	32844	88790	2.88%	0.596%
30	13.510	1785	1789	1795	rVV2	43515	82200	2.67%	0.551%
31	13.569	1795	1799	1805	rVB	29622	38705	1.26%	0.260%
32	13.627	1805	1809	1815	rVB	17454	21049	0.68%	0.141%
33	13.710	1819	1823	1827	rVB	15199	18391	0.60%	0.123%
34	13.757	1827	1831	1834	rBV2	19253	24643	0.80%	0.165%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082619\
Data File : BM022337.D
Acq On : 26 Aug 2019 18:57
Operator : HP/JU
Sample : K4373-11DL 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB2DL

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	13.892	1849	1854	1857	rVV2	21340	32466	1.05%	0.218%
36	13.921	1857	1859	1866	rVB5	18824	27908	0.91%	0.187%
37	14.198	1894	1906	1912	rVV2	233682	354568	11.51%	2.379%
38	14.263	1912	1917	1925	rVV	570523	824564	26.77%	5.532%
39	14.363	1925	1934	1938	rVV	66709	103462	3.36%	0.694%
40	14.416	1938	1943	1952	rVV	147585	246684	8.01%	1.655%
41	14.492	1952	1956	1959	rVV	30961	46785	1.52%	0.314%
42	14.527	1959	1962	1970	rVV3	20975	40562	1.32%	0.272%
43	14.610	1970	1976	1981	rVV	291961	418652	13.59%	2.809%
44	14.663	1981	1985	1991	rVV5	12720	23733	0.77%	0.159%
45	14.727	1991	1996	2000	rVV	36568	59535	1.93%	0.399%
46	14.780	2000	2005	2015	rVV9	19023	48226	1.57%	0.324%
47	15.015	2040	2045	2051	rBV3	12414	20536	0.67%	0.138%
48	15.139	2060	2066	2073	rBV2	29313	67281	2.18%	0.451%
49	15.204	2073	2077	2081	rVV	32159	46369	1.51%	0.311%
50	15.262	2081	2087	2096	rVV	292287	412178	13.38%	2.765%
51	15.392	2104	2109	2110	rVV4	17864	28369	0.92%	0.190%
52	15.421	2110	2114	2121	rVV2	62783	125384	4.07%	0.841%
53	15.515	2124	2130	2135	rVV5	36947	97680	3.17%	0.655%
54	15.557	2135	2137	2143	rVV2	16448	20693	0.67%	0.139%
55	15.615	2143	2147	2152	rVV2	28692	37427	1.22%	0.251%
56	15.668	2152	2156	2159	rVV2	23882	36241	1.18%	0.243%
57	15.710	2159	2163	2170	rVB4	29652	57519	1.87%	0.386%
58	15.780	2170	2175	2181	rBV6	11809	22613	0.73%	0.152%
59	15.980	2201	2209	2219	rVV3	185099	447860	14.54%	3.005%
60	16.062	2219	2223	2225	rBV3	13662	18846	0.61%	0.126%
61	16.110	2225	2231	2239	rBV	220117	365232	11.86%	2.450%
62	16.174	2239	2242	2244	rBV	17347	22810	0.74%	0.153%
63	16.268	2249	2258	2265	rVV2	188642	421990	13.70%	2.831%
64	16.551	2300	2306	2309	rBV	40876	65479	2.13%	0.439%
65	16.680	2323	2328	2332	rBV2	20994	33075	1.07%	0.222%
66	16.762	2337	2342	2344	rBV2	38475	58412	1.90%	0.392%
67	16.780	2344	2345	2351	rVV3	28384	35299	1.15%	0.237%
68	16.857	2351	2358	2362	rVV2	49396	105855	3.44%	0.710%
69	16.898	2362	2365	2369	rVV2	42365	70891	2.30%	0.476%
70	16.962	2370	2376	2380	rVV2	321667	491907	15.97%	3.300%
71	17.009	2380	2384	2388	rVV	328136	464155	15.07%	3.114%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082619\
Data File : BM022337.D
Acq On : 26 Aug 2019 18:57
Operator : HP/JU
Sample : K4373-11DL 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB2DL

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	17.062	2388	2393	2397	rVV2	45947	75078	2.44%	0.504%
73	17.121	2397	2403	2407	rVV2	41344	97345	3.16%	0.653%
74	17.162	2407	2410	2418	rVB3	46262	90397	2.94%	0.606%
75	17.233	2418	2422	2426	rVB2	18513	25409	0.83%	0.170%
76	17.386	2437	2448	2455	rBV	343674	530036	17.21%	3.556%
77	17.462	2455	2461	2462	rBV5	18260	29686	0.96%	0.199%
78	17.492	2462	2466	2472	rVB2	46546	71218	2.31%	0.478%
79	17.556	2472	2477	2484	rVB	56160	85636	2.78%	0.575%
80	17.639	2484	2491	2495	rBV7	9916	18740	0.61%	0.126%
81	17.821	2515	2522	2527	rBV2	29730	56028	1.82%	0.376%
82	17.898	2530	2535	2539	rBV3	57203	87506	2.84%	0.587%
83	17.986	2546	2550	2554	rVB2	35358	46903	1.52%	0.315%
84	18.039	2554	2559	2567	rVB4	20951	41647	1.35%	0.279%
85	18.139	2571	2576	2583	rBV3	60482	116083	3.77%	0.779%
86	18.203	2585	2587	2591	rVB2	16390	18238	0.59%	0.122%
87	18.256	2591	2596	2600	rBV5	11126	24024	0.78%	0.161%
88	18.298	2600	2603	2610	rVB4	16420	26887	0.87%	0.180%
89	18.427	2619	2625	2632	rBV8	18649	36491	1.18%	0.245%
90	18.833	2689	2694	2702	rVB	57334	91676	2.98%	0.615%
91	19.039	2720	2729	2733	rVB2	45123	85260	2.77%	0.572%
92	19.150	2742	2748	2757	rBV5	30274	54693	1.78%	0.367%
93	19.374	2781	2786	2789	rBV	47682	73333	2.38%	0.492%
94	19.750	2845	2850	2853	rBV3	22741	30313	0.98%	0.203%
95	19.797	2855	2858	2861	rVV	15417	18931	0.61%	0.127%
96	19.833	2861	2864	2868	rVV4	13807	21610	0.70%	0.145%
97	19.892	2869	2874	2882	rVB	87740	133477	4.33%	0.895%
98	20.533	2979	2983	2992	rVB	74578	119671	3.89%	0.803%
99	21.174	3087	3092	3098	rBV	394052	505775	16.42%	3.393%
100	23.368	3459	3465	3473	rVB	206639	383327	12.45%	2.572%

Sum of corrected areas: 14905318

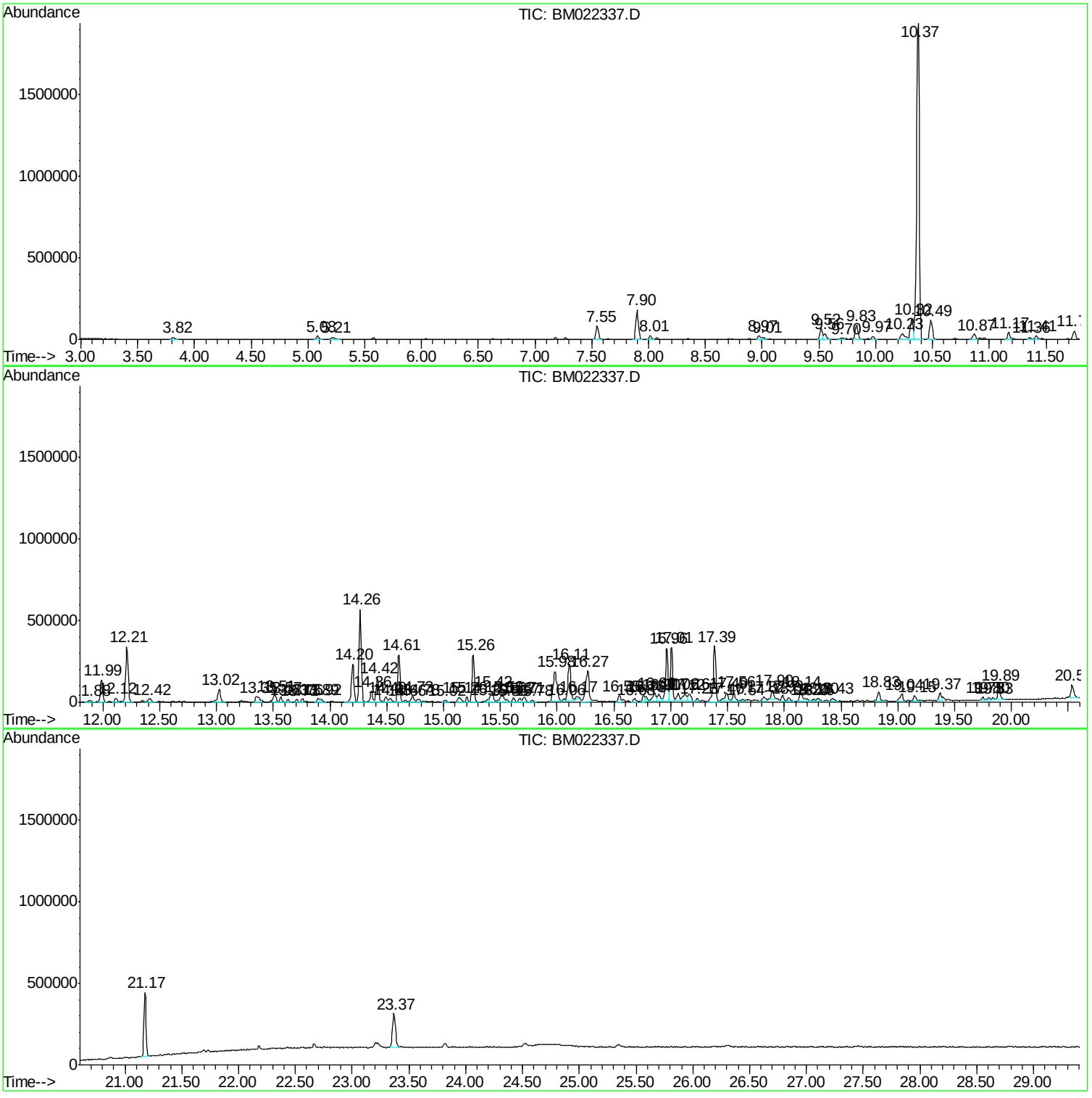
LSC Report - Integrated Chromatogram

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082619\
Data File : BM022337.D
Acq On : 26 Aug 2019 18:57
Operator : HP/JU
Sample : K4373-11DL 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB2DL

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\BM082619\
Data File : BM022337.D
Acq On : 26 Aug 2019 18:57
Operator : HP/JU
Sample : K4373-11DL 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB2DL

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

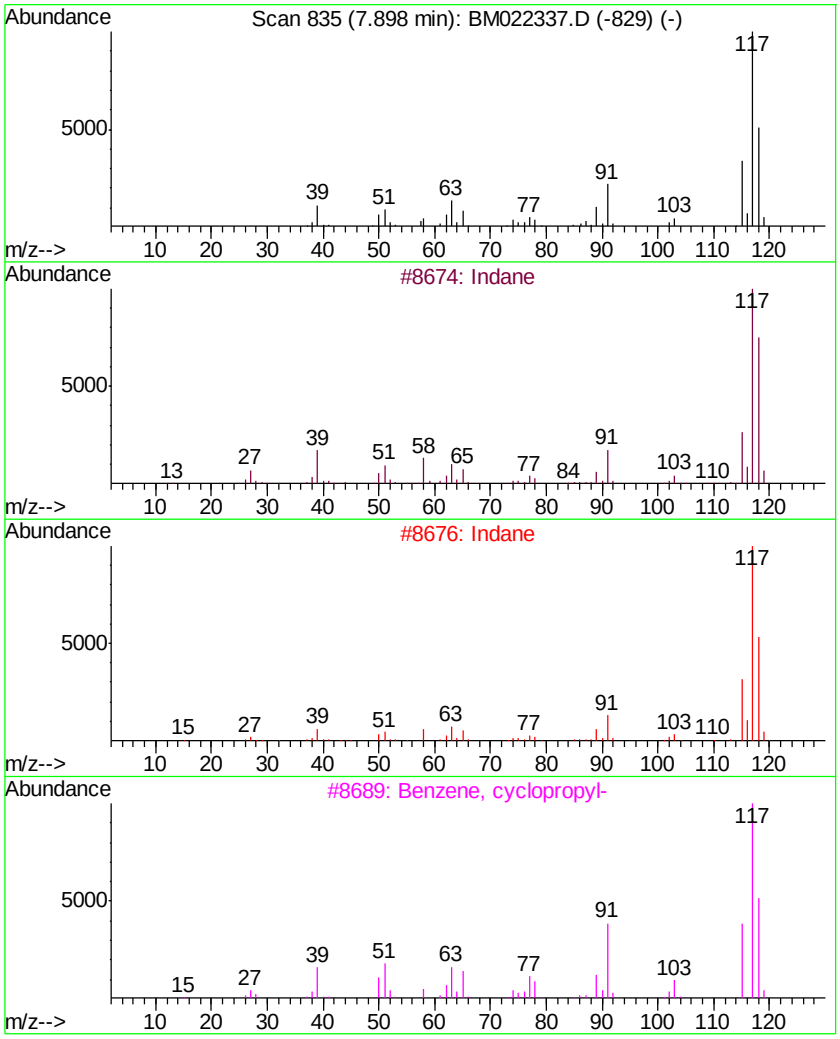
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

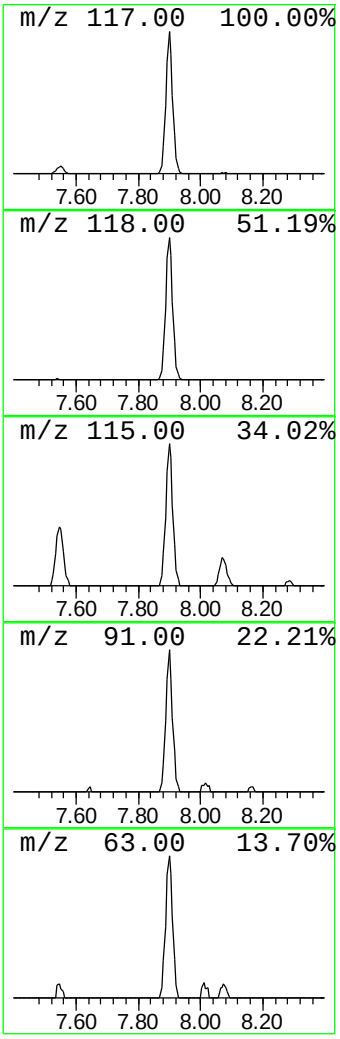
****

Peak Number 4 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.90	41.85 ng/ul	279465	1,4-Dichlorobenzene-d4	7.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	87
2	Indane	118	C9H10	000496-11-7	81
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	76
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64
5	Indane	118	C9H10	000496-11-7	58





Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082619\
Data File : BM022337.D
Acq On : 26 Aug 2019 18:57
Operator : HP/JU
Sample : K4373-11DL 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB2DL

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

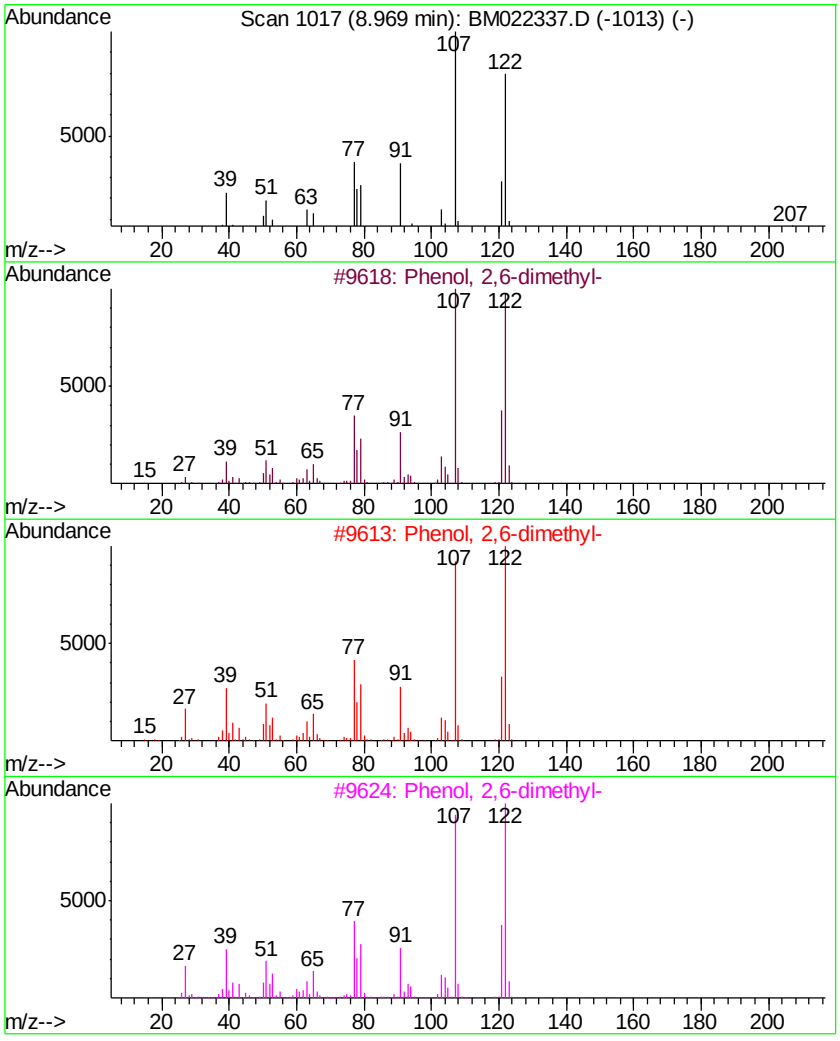
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

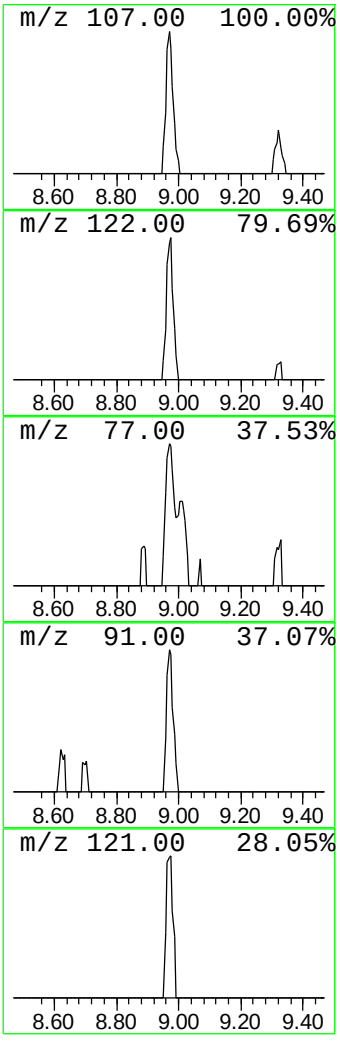
****

Peak Number 5 Phenol, 2,6-dimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.97	3.55 ng/ul	37652	Naphthalene-d8	10.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,6-dimethyl-	122	C8H10O	000576-26-1	97
2	Phenol, 2,6-dimethyl-	122	C8H10O	000576-26-1	97
3	Phenol, 2,6-dimethyl-	122	C8H10O	000576-26-1	93
4	Phenol, 2,5-dimethyl-	122	C8H10O	000095-87-4	91
5	Phenol, 2,5-dimethyl-	122	C8H10O	000095-87-4	91





Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082619\
Data File : BM022337.D
Acq On : 26 Aug 2019 18:57
Operator : HP/JU
Sample : K4373-11DL 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB2DL

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

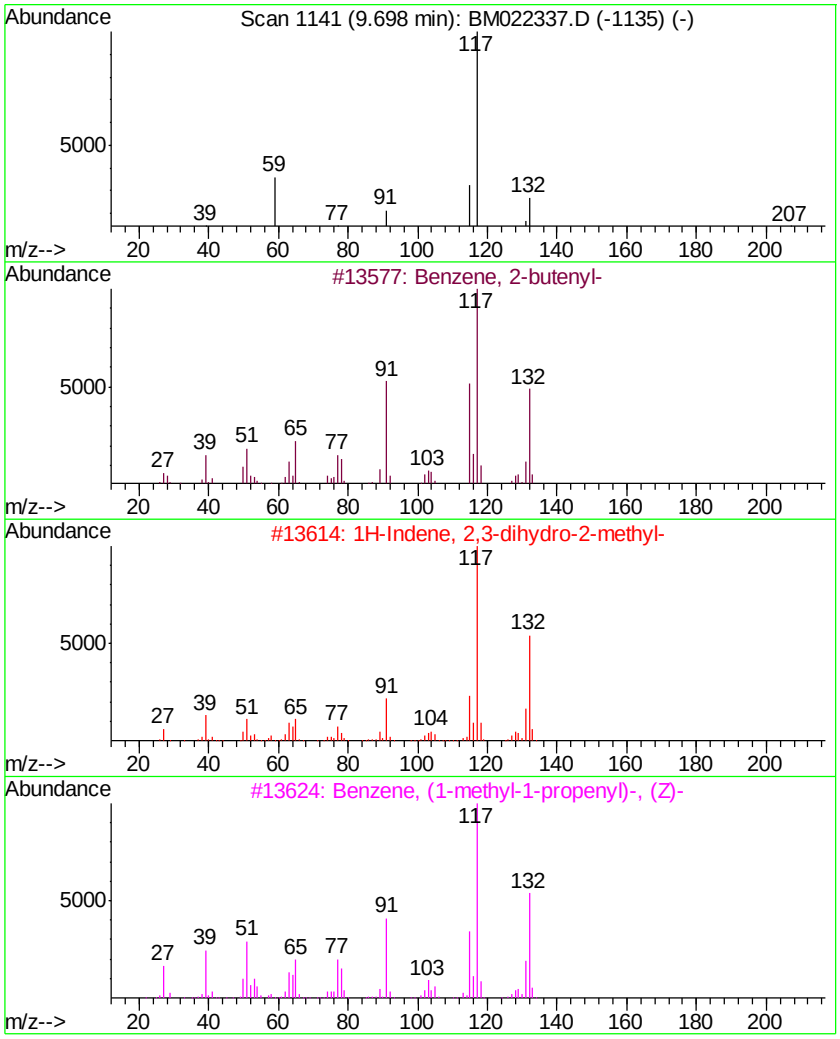
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

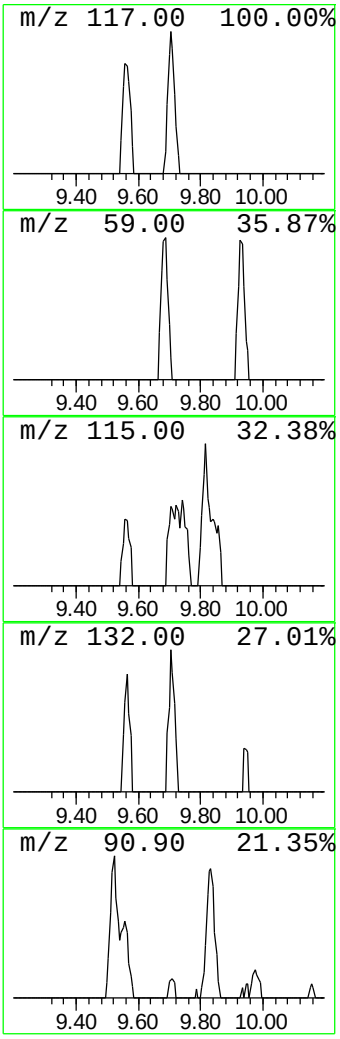
****

Peak Number 6 Benzene, 2-butenyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.70	2.04 ng/ul	21661	Naphthalene-d8	10.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-butenyl-	132	C10H12	001560-06-1	72
2	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	72
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	72
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	72
5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082619\
Data File : BM022337.D
Acq On : 26 Aug 2019 18:57
Operator : HP/JU
Sample : K4373-11DL 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB2DL

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

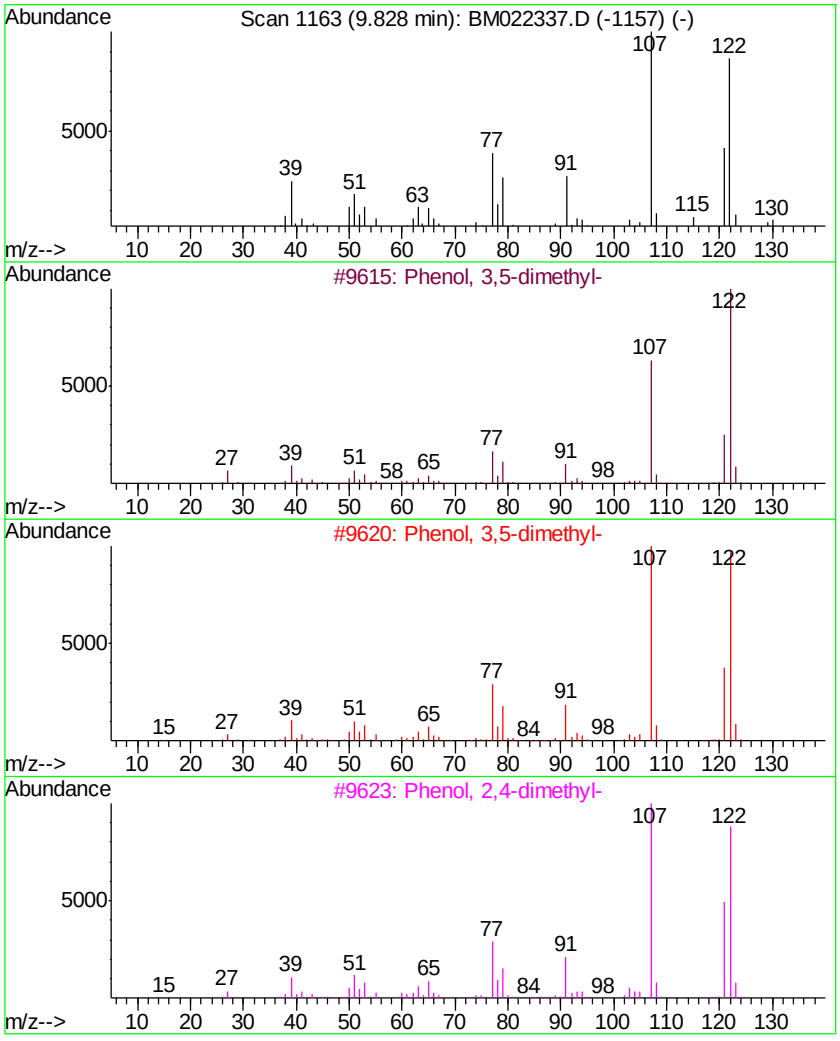
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

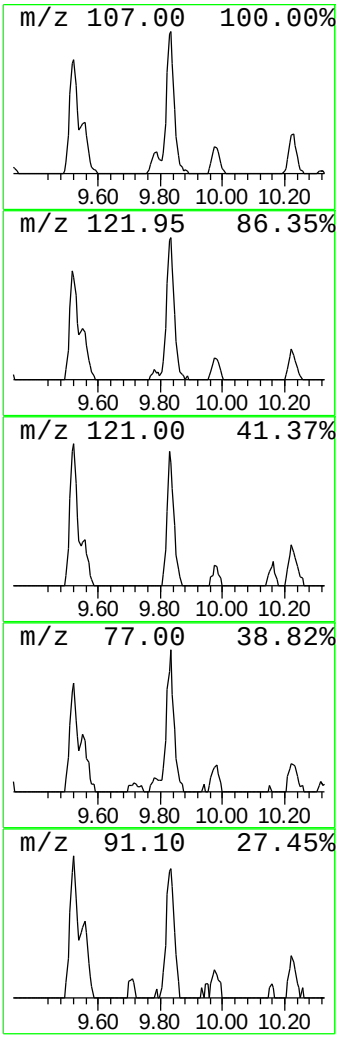
****

Peak Number 7 Phenol, 3,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.83	14.83 ng/ul	157289	Naphthalene-d8	10.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3,5-dimethyl-	122	C8H10O	000108-68-9	96
2	Phenol, 3,5-dimethyl-	122	C8H10O	000108-68-9	95
3	Phenol, 2,4-dimethyl-	122	C8H10O	000105-67-9	94
4	Phenol, 3,5-dimethyl-	122	C8H10O	000108-68-9	94
5	Phenol, 3,5-dimethyl-	122	C8H10O	000108-68-9	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082619\
Data File : BM022337.D
Acq On : 26 Aug 2019 18:57
Operator : HP/JU
Sample : K4373-11DL 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB2DL

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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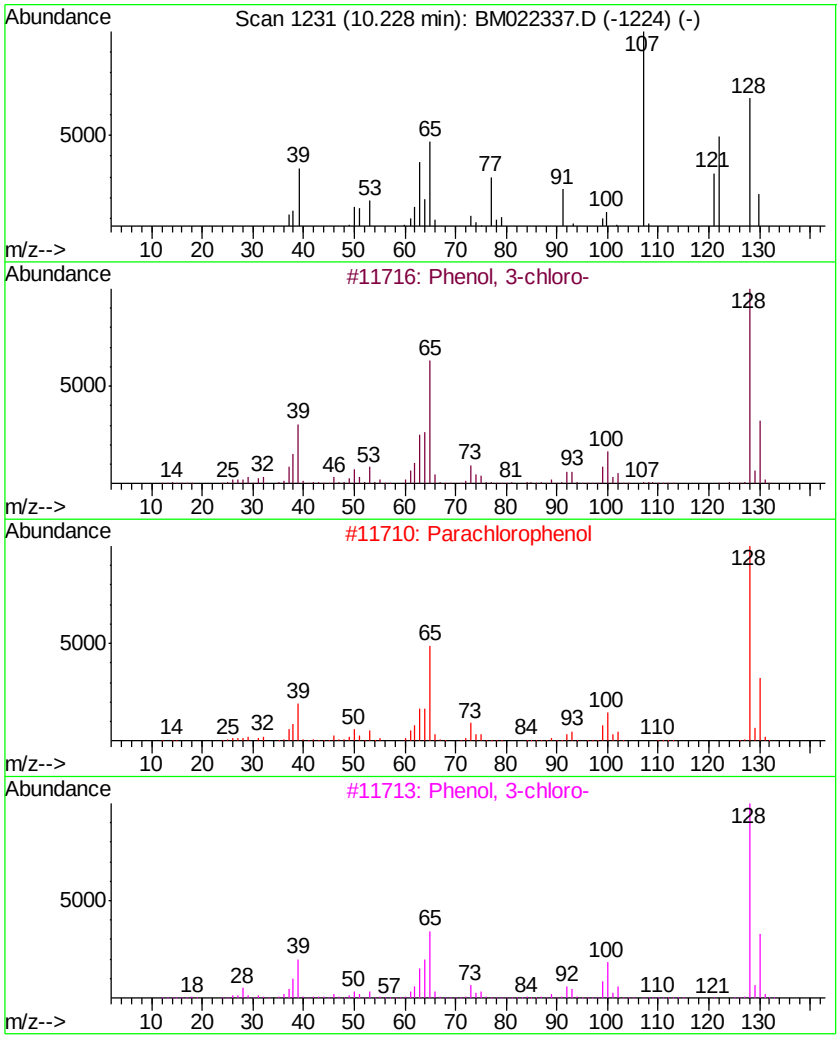
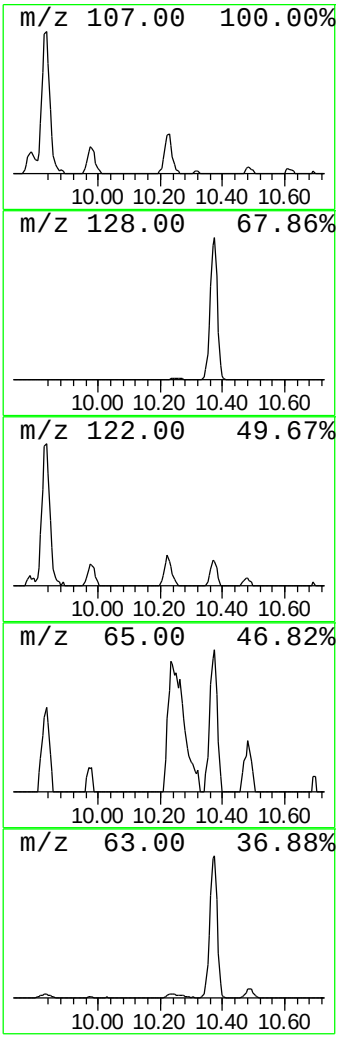
Peak Number 8 Phenol, 3-chloro- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.23	9.43 ng/ul	100001	Naphthalene-d8	10.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 3-chloro-	128	C6H5ClO	000108-43-0	93
2	Parachlorophenol	128	C6H5ClO	000106-48-9	87
3	Phenol, 3-chloro-	128	C6H5ClO	000108-43-0	70
4	Parachlorophenol	128	C6H5ClO	000106-48-9	64
5	3-Chloro-6-methylpyridazine	128	C5H5ClN2	001121-79-5	50





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Sample : K4373-11DL 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB2DL

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Quant Title : SVOA CALIBRATION

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

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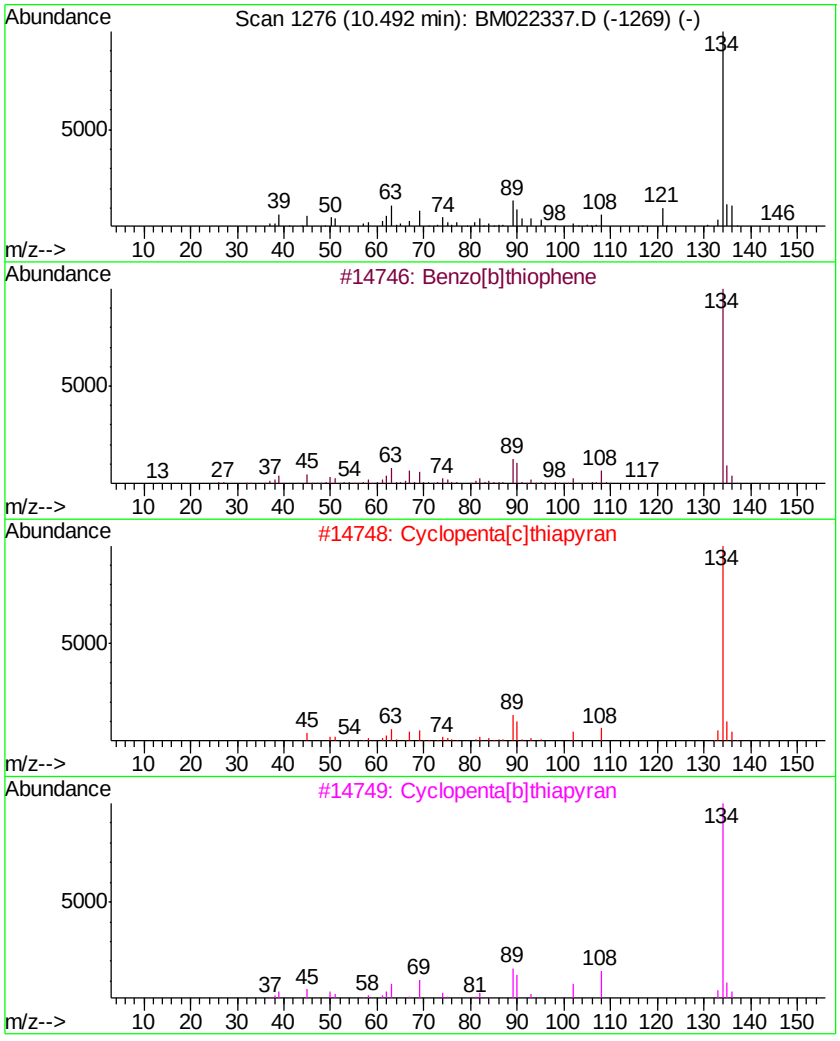
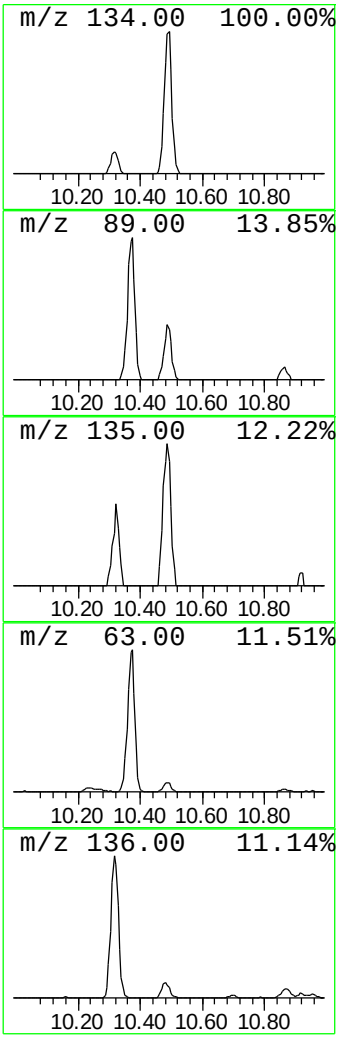
Peak Number 9 Benzo[b]thiophene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	19.31 ng/ul	204851	Naphthalene-d8	10.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene	134	C8H6S	000095-15-8	93
2	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	87
3	Cyclopenta[b]thiapyran	134	C8H6S	000271-17-0	87
4	2-Benzothiophene #	134	C8H6S	000270-82-6	81
5	Benzo[b]thiophene	134	C8H6S	000095-15-8	74





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Sample : K4373-11DL 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB2DL

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Quant Title : SVOA CALIBRATION

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

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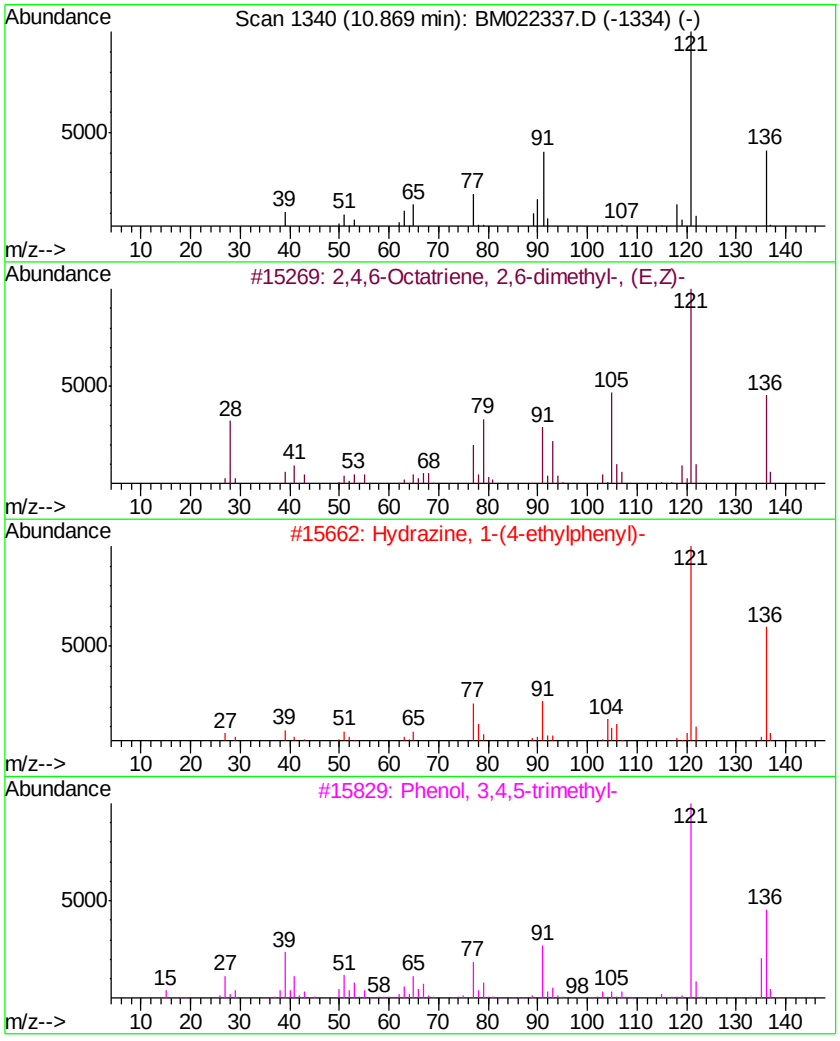
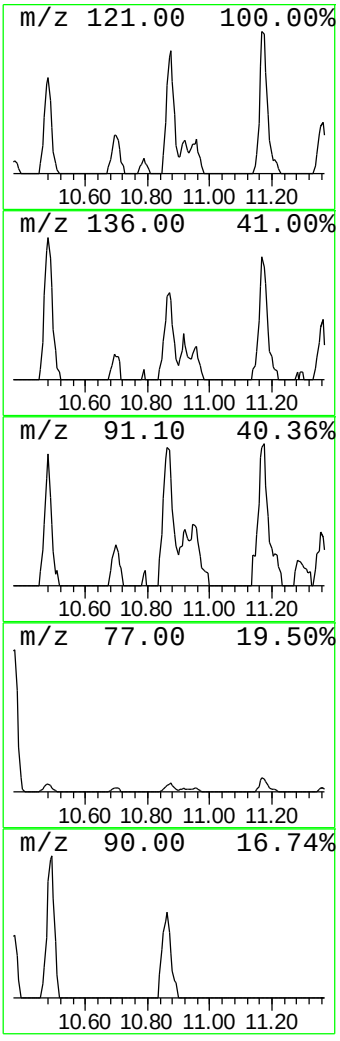
Peak Number 10 2,4,6-Octatriene, 2,6-dimet... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.87	6.01 ng/ul	63776	Naphthalene-d8	10.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Octatriene, 2,6-dimethyl-,...	136	C10H16	007216-56-0	83
2	Hydrazine, 1-(4-ethylphenyl)-	136	C8H12N2	054840-34-5	80
3	Phenol, 3,4,5-trimethyl-	136	C9H12O	000527-54-8	72
4	Phenol, 2-ethyl-5-methyl-	136	C9H12O	001687-61-2	72
5	Phenol, 2,3,5-trimethyl-	136	C9H12O	000697-82-5	72





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB2DL

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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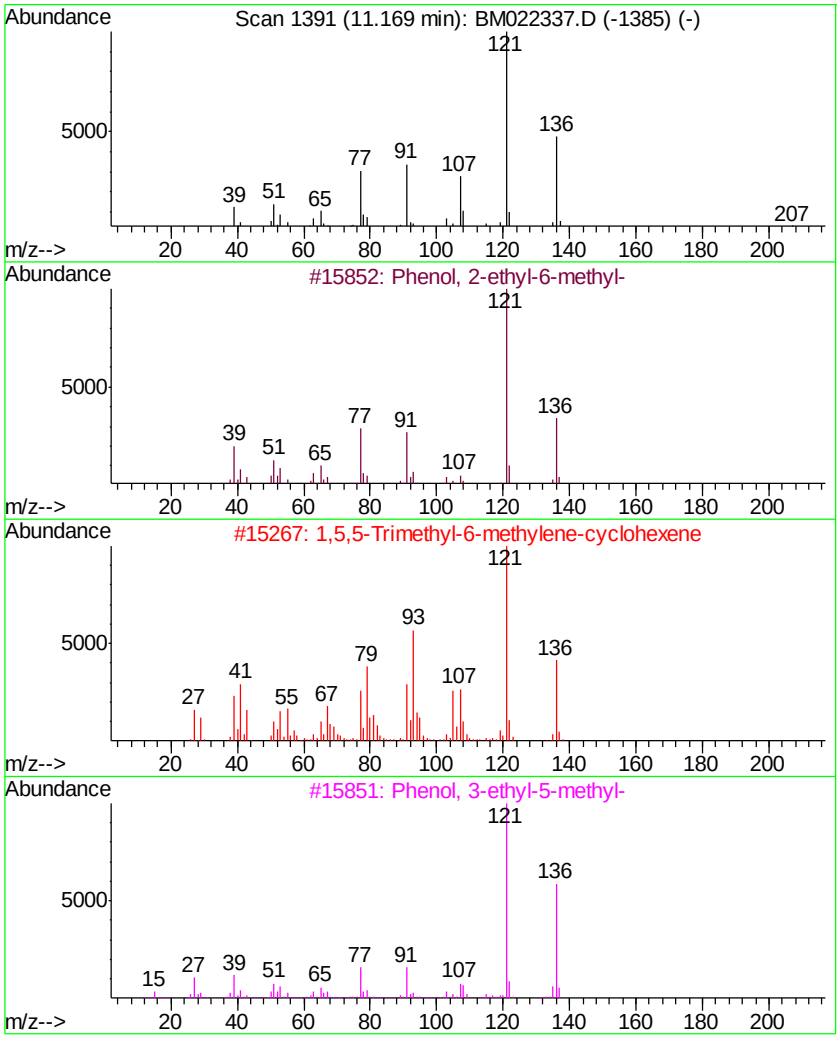
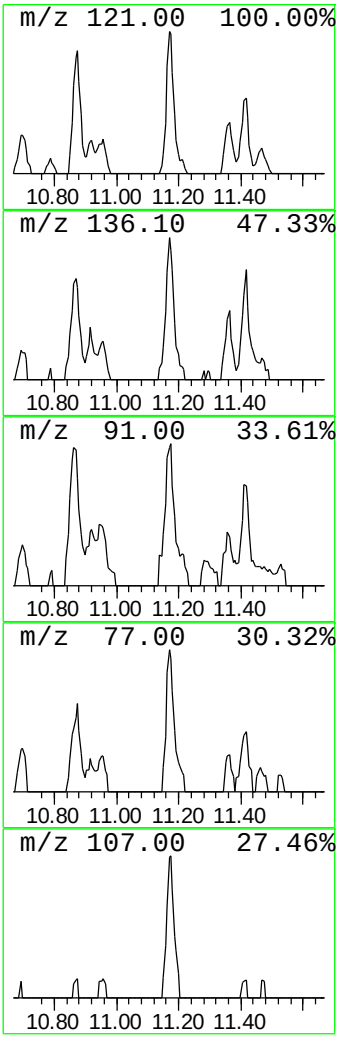
Peak Number 11 Phenol, 2-ethyl-6-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.17	6.86 ng/ul	72790	Naphthalene-d8	10.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-ethyl-6-methyl-	136	C9H12O	001687-64-5	93
2	1,5,5-Trimethyl-6-methylene-cycl...	136	C10H16	000514-95-4	91
3	Phenol, 3-ethyl-5-methyl-	136	C9H12O	000698-71-5	86
4	Bicyclo[3.1.0]hexane, 6-isopropy...	136	C10H16	024524-57-0	86
5	Benzene, 1-ethyl-4-methoxy-	136	C9H12O	001515-95-3	76





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB2DL

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Quant Title : SVOA CALIBRATION

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

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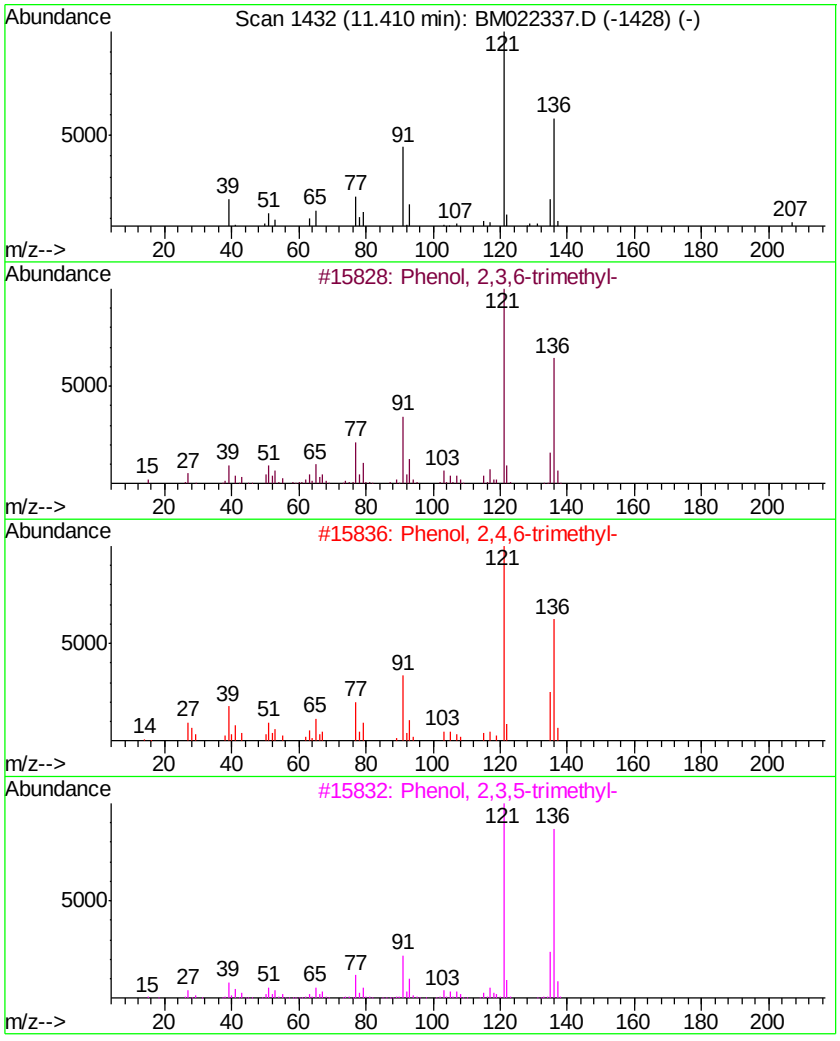
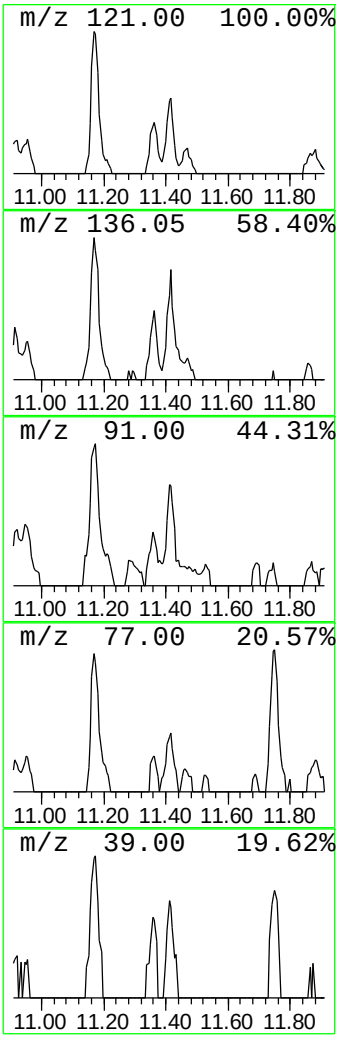
Peak Number 12 Phenol, 2,3,6-trimethyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.41	3.65 ng/ul	38741	Naphthalene-d8	10.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,3,6-trimethyl-	136	C9H12O	002416-94-6	95
2	Phenol, 2,4,6-trimethyl-	136	C9H12O	000527-60-6	94
3	Phenol, 2,3,5-trimethyl-	136	C9H12O	000697-82-5	90
4	Phenol, 2,3,5-trimethyl-	136	C9H12O	000697-82-5	90
5	Phenol, 3,4,5-trimethyl-	136	C9H12O	000527-54-8	90





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

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

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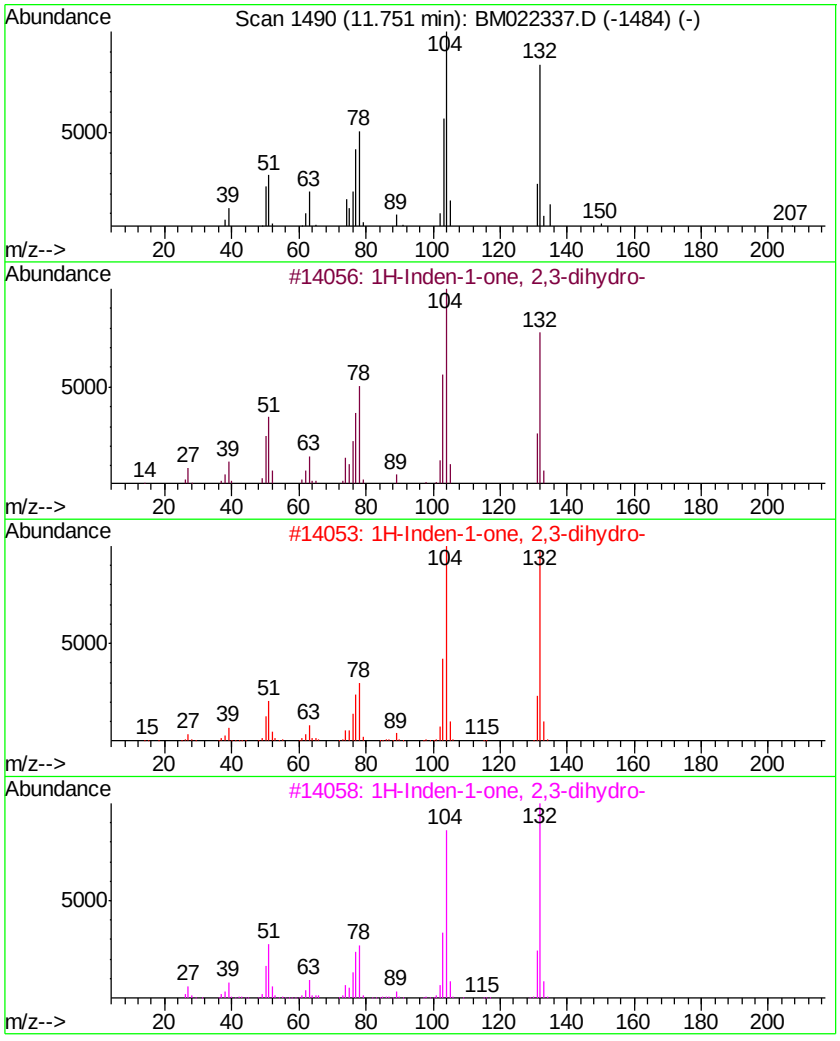
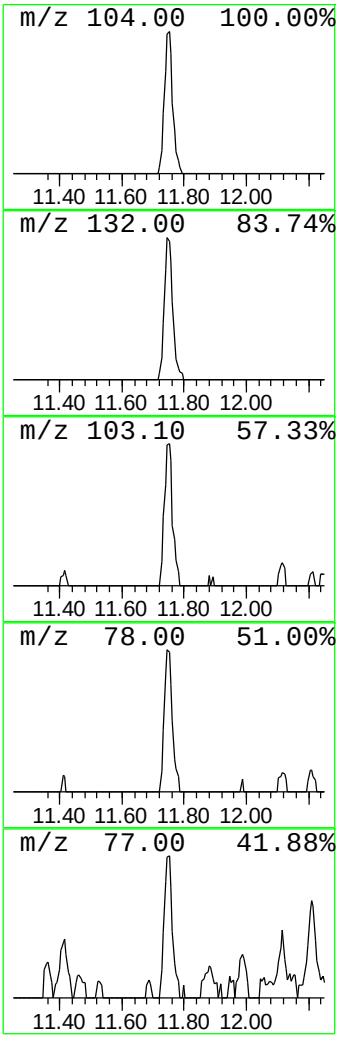
Peak Number 13 1H-Inden-1-one, 2,3-dihydro- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	8.60 ng/ul	91239	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	98
2	1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	93
3	1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	76
4	N-Ethylbenzimidoyl bromide	211	C9H10BrN	041182-87-0	58
5	Boranamine, 1,1-diethyl-N-phenyl-	161	C10H16BN	022093-18-1	50





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ClientSampleId : C0AB2DL

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Quant Title : SVOA CALIBRATION

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

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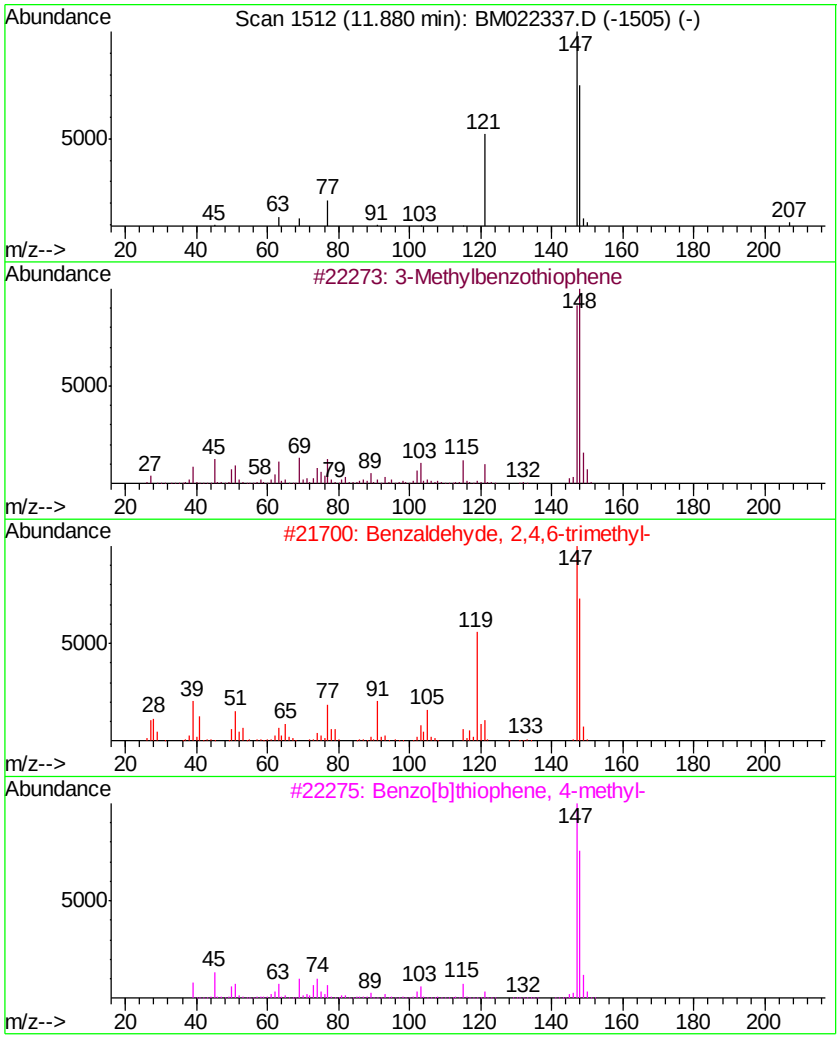
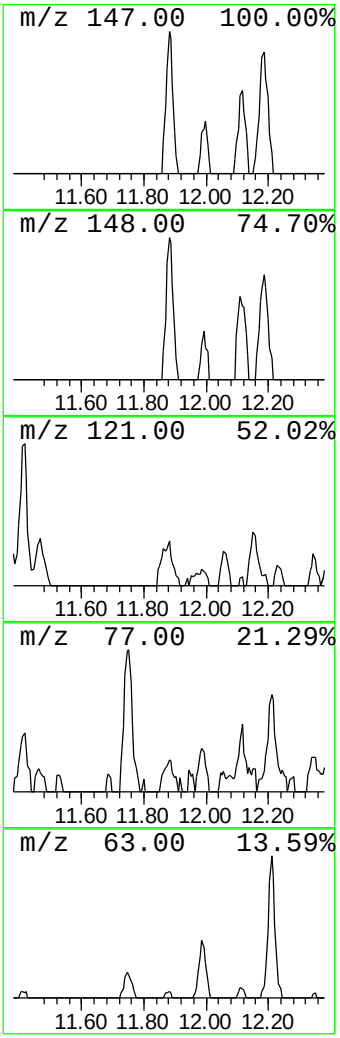
Peak Number 14 3-Methylbenzothiophene Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	2.39 ng/ul	25309	Naphthalene-d8	10.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylbenzothiophene	148	C9H8S	001455-18-1	87
2	Benzaldehyde, 2,4,6-trimethyl-	148	C10H12O	000487-68-3	78
3	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	72
4	3-Methylbenzothiophene	148	C9H8S	001455-18-1	72
5	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	72





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB2DL

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Quant Title : SVOA CALIBRATION

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

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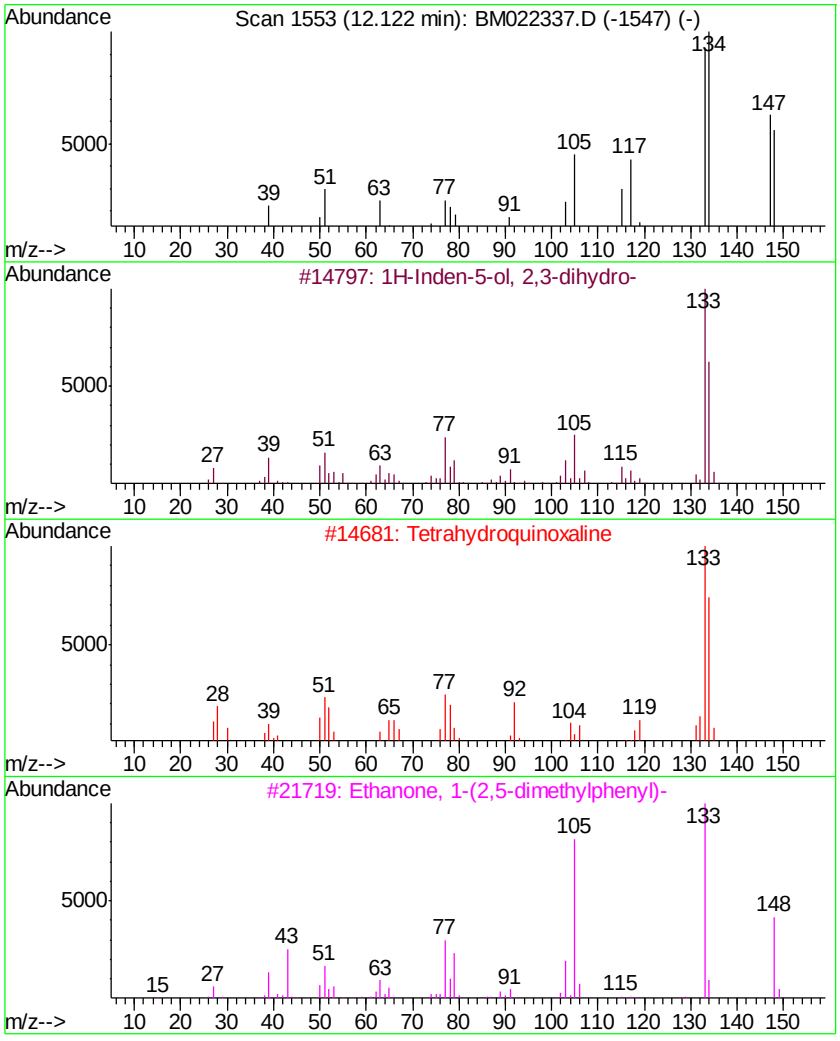
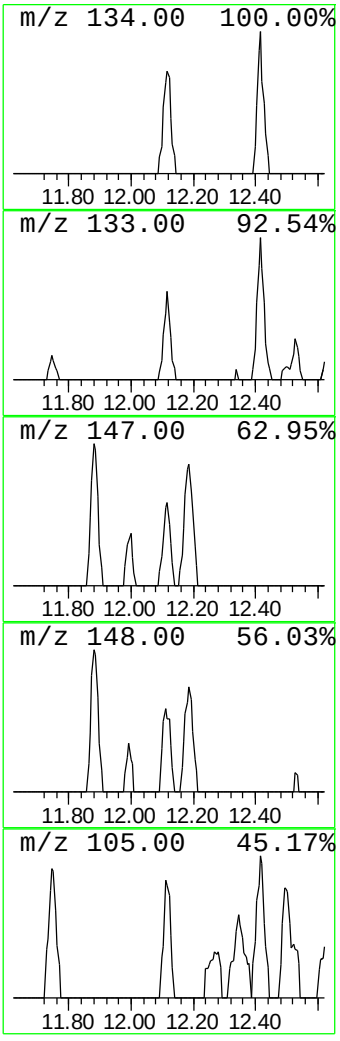
Peak Number 15 unknown-01 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	3.38 ng/ul	35866	Naphthalene-d8	10.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Inden-5-ol, 2,3-dihydro-	134	C9H10O	001470-94-6	49
2	Tetrahydroquinoxaline	134	C8H10N2	003476-89-9	43
3	Ethanone, 1-(2,5-dimethylphenyl)-	148	C10H12O	002142-73-6	38
4	1H-Inden-1-ol, 2,3-dihydro-	134	C9H10O	006351-10-6	38
5	Benzaldehyde, 4-ethyl-	134	C9H10O	004748-78-1	38





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB2DL

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Quant Title : SVOA CALIBRATION

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

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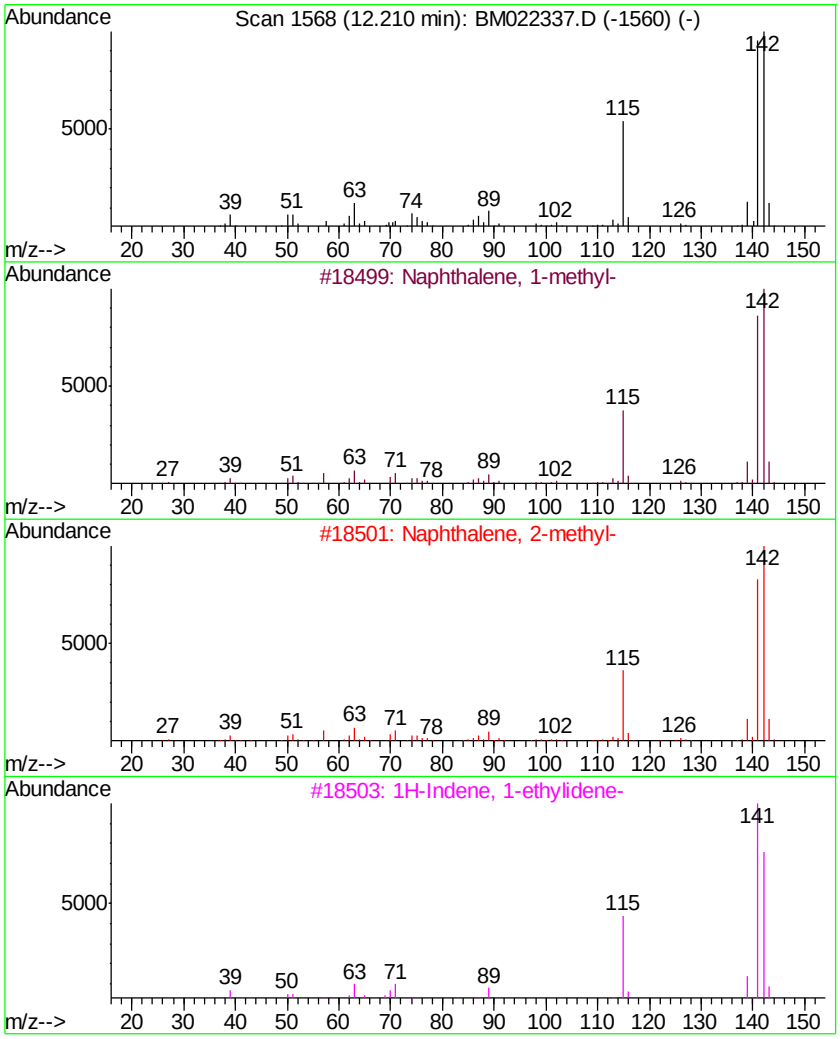
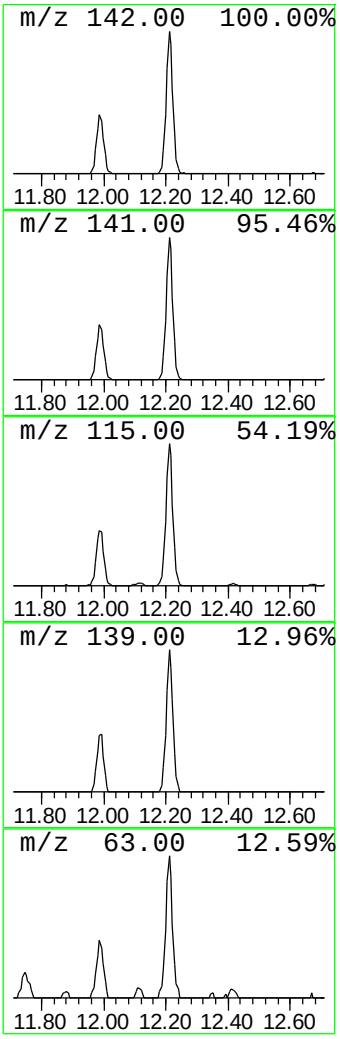
Peak Number 16 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.21	50.24 ng/ul	533026	Naphthalene-d8	10.32

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	95
3	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	94
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	Benzocycloheptatriene	142	C11H10	000264-09-5	94





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Quant Title : SVOA CALIBRATION

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

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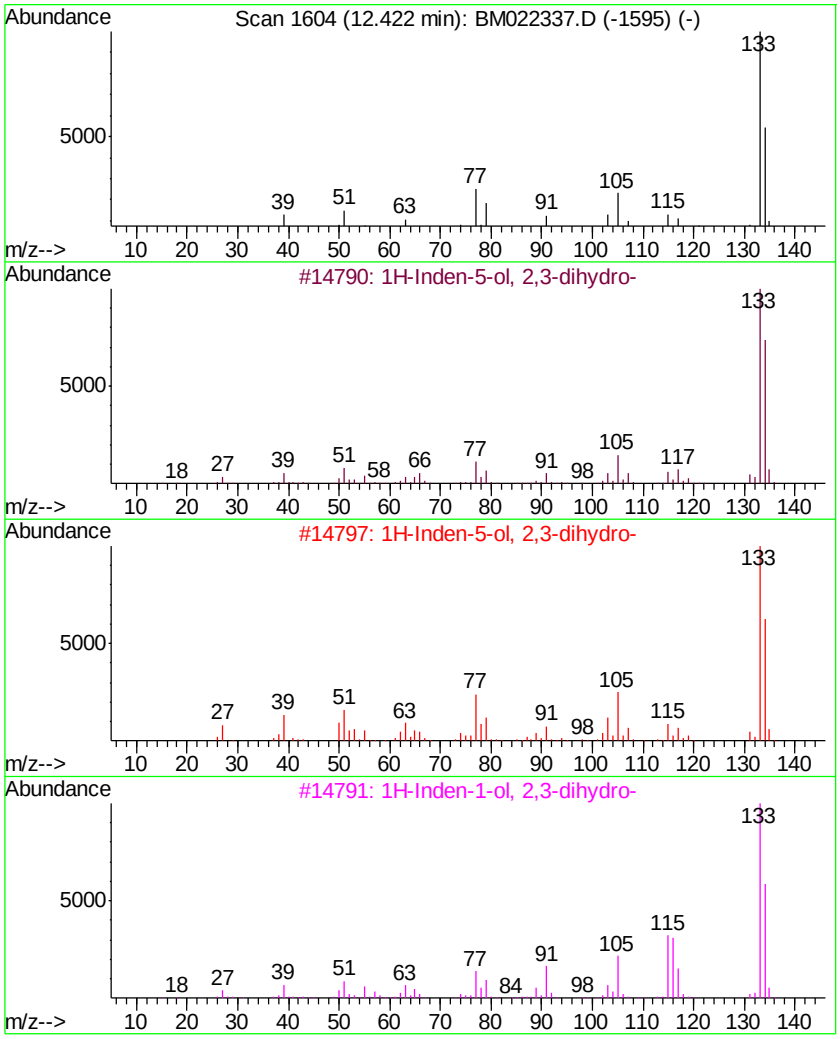
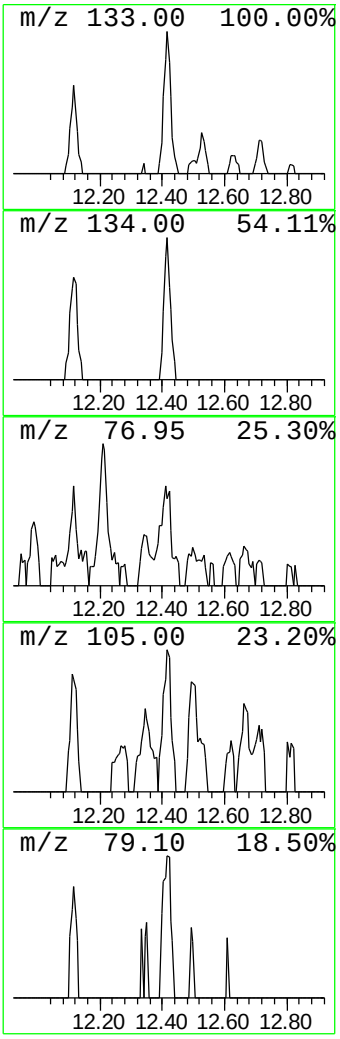
Peak Number 17 1H-Inden-5-ol, 2,3-dihydro- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	2.62 ng/ul	46449	Acenaphthene-d10	14.20

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	87
3	1H-Inden-1-ol, 2,3-dihydro-	134	C9H10O	006351-10-6	74
4	1H-Inden-1-ol, 2,3-dihydro-	134	C9H10O	006351-10-6	72
5	Benzaldehyde, 2-ethyl-	134	C9H10O	022927-13-5	68





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Misc :
ALS Vial : 15 Sample Multiplier: 1

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ClientSampleId : C0AB2DL

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Quant Title : SVOA CALIBRATION

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

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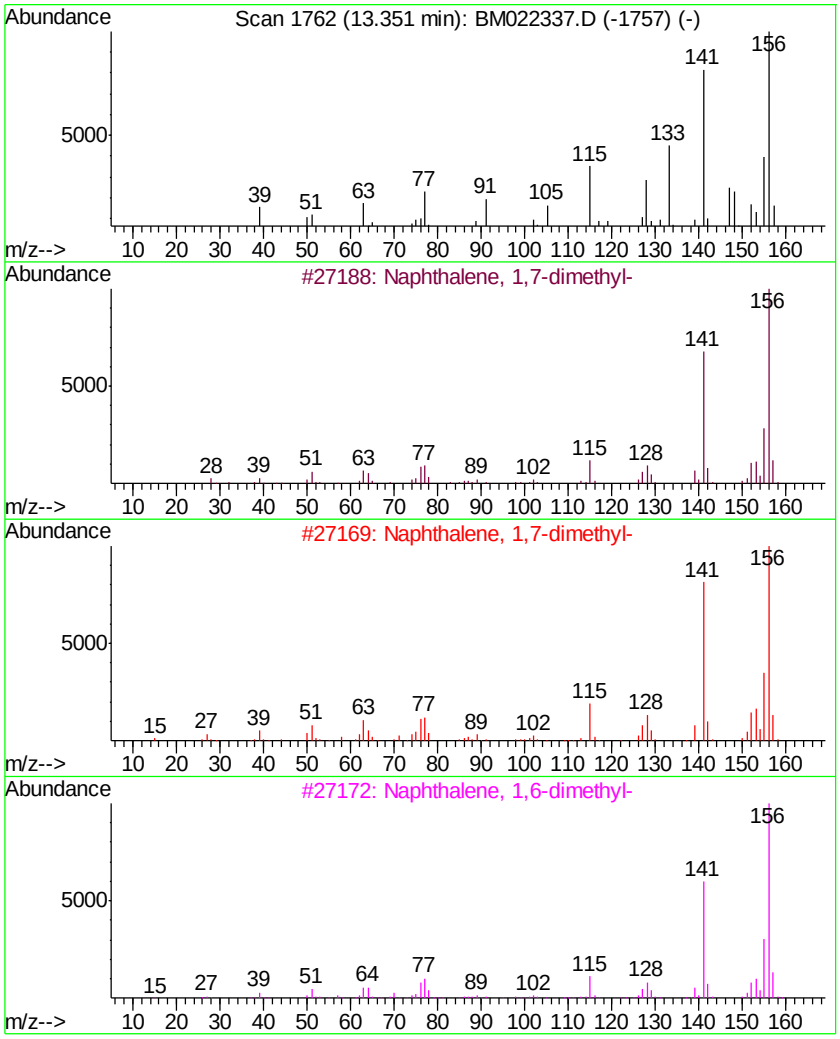
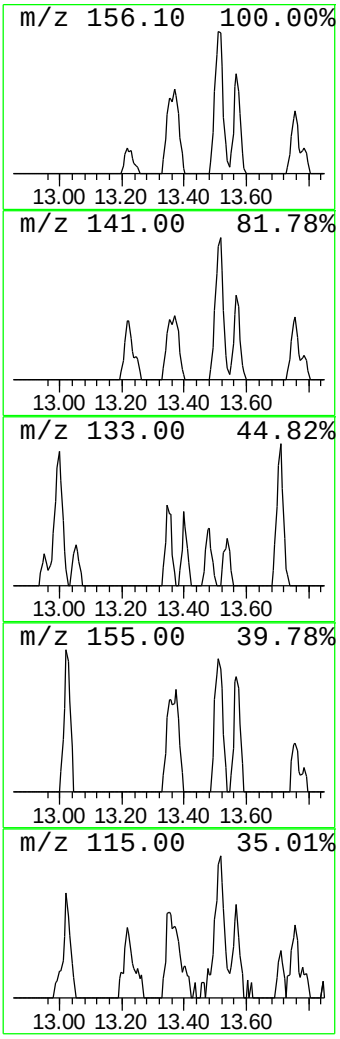
Peak Number 18 Naphthalene, 1,7-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	5.01 ng/ul	88790	Acenaphthene-d10	14.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	92
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	91
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	91
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	86
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	70





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Quant Title : SVOA CALIBRATION

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

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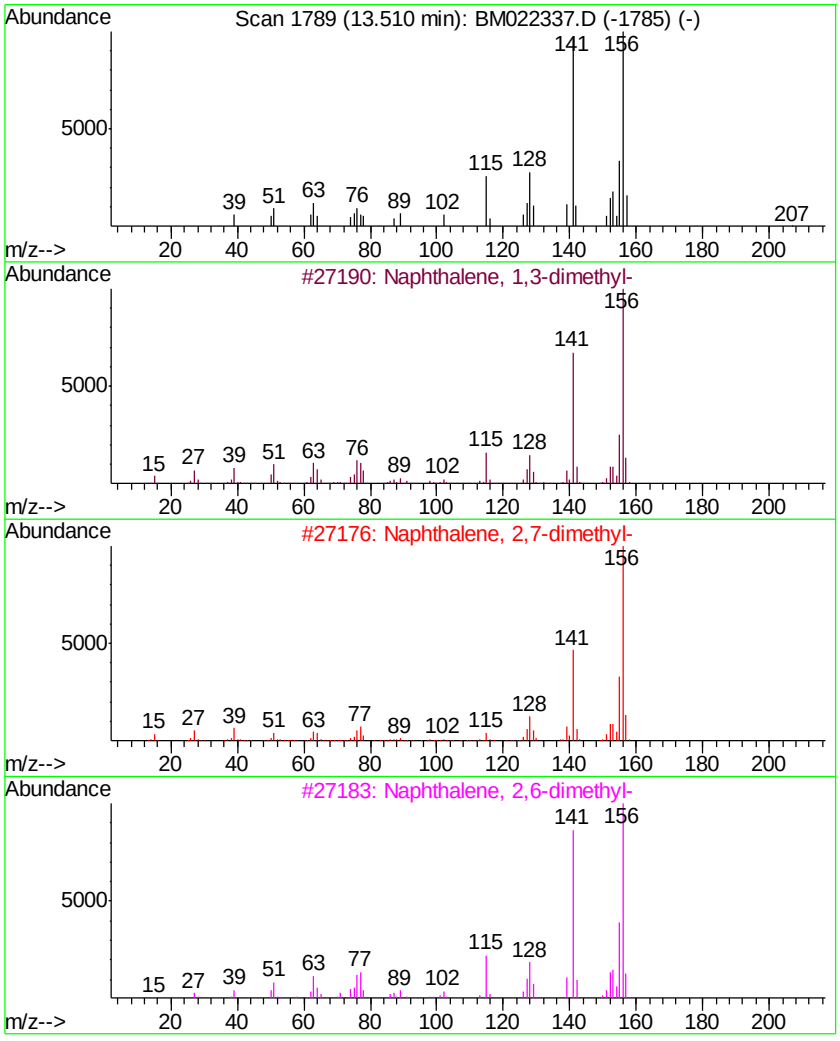
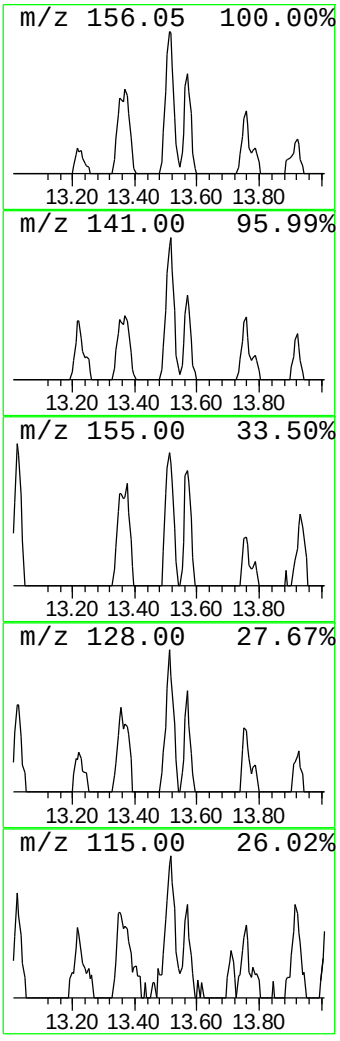
Peak Number 19 Naphthalene, 1,3-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	4.64 ng/ul	82200	Acenaphthene-d10	14.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95





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Acq On : 26 Aug 2019 18:57
Operator : HP/JU
Sample : K4373-11DL 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB2DL

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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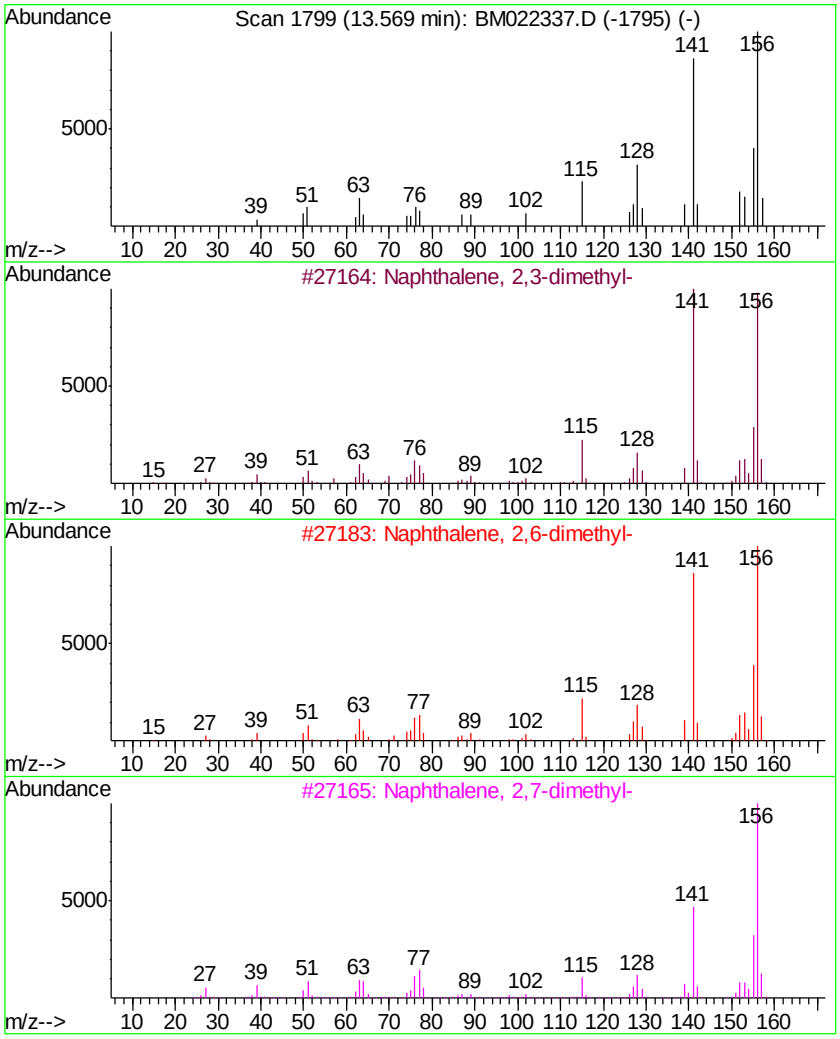
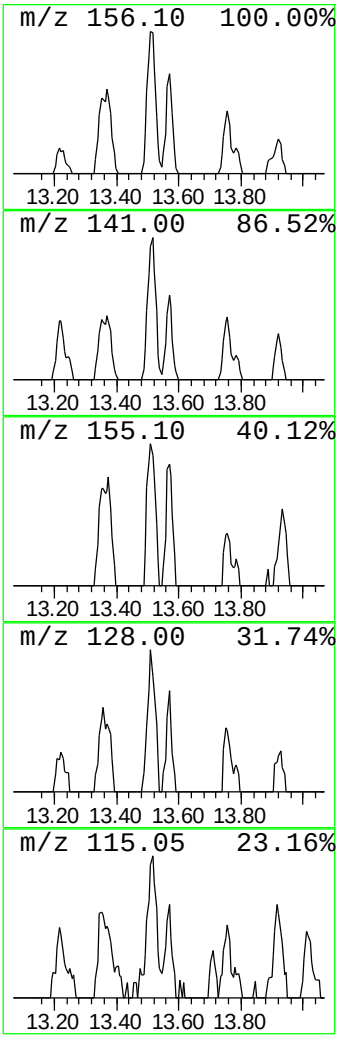
Peak Number 20 Naphthalene, 2,3-dimethyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.57	2.18 ng/ul	38705	Acenaphthene-d10	14.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	94
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93





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Acq On : 26 Aug 2019 18:57
Operator : HP/JU
Sample : K4373-11DL 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB2DL

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 21 2-Naphthalenecarbonitrile Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.36	5.84 ng/ul	103462	Acenaphthene-d10	14.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	91
2	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	91
3	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	91
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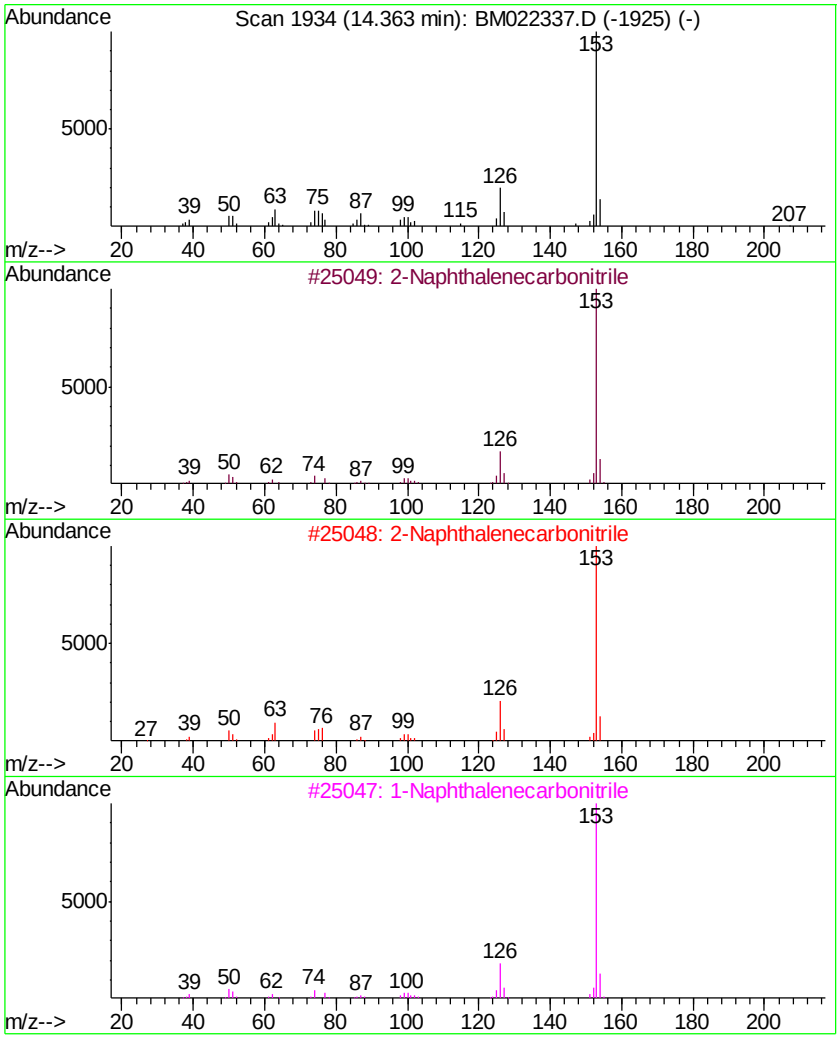

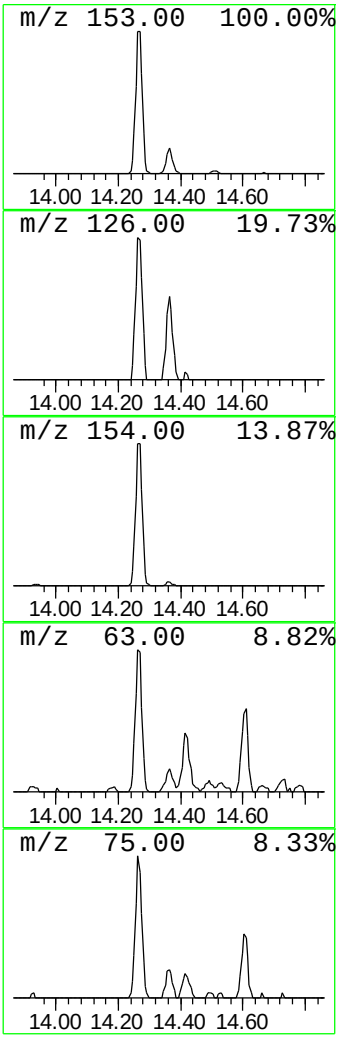

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Acq On : 26 Aug 2019 18:57
Operator : HP/JU
Sample : K4373-11DL 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB2DL

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

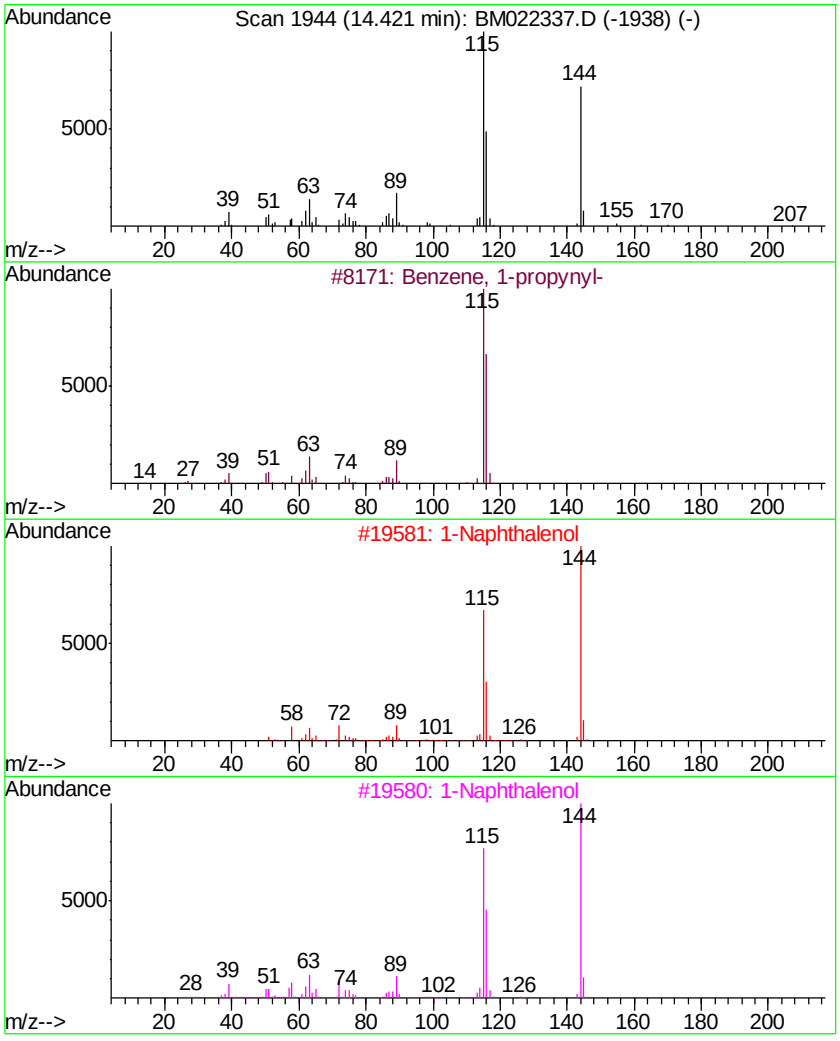
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

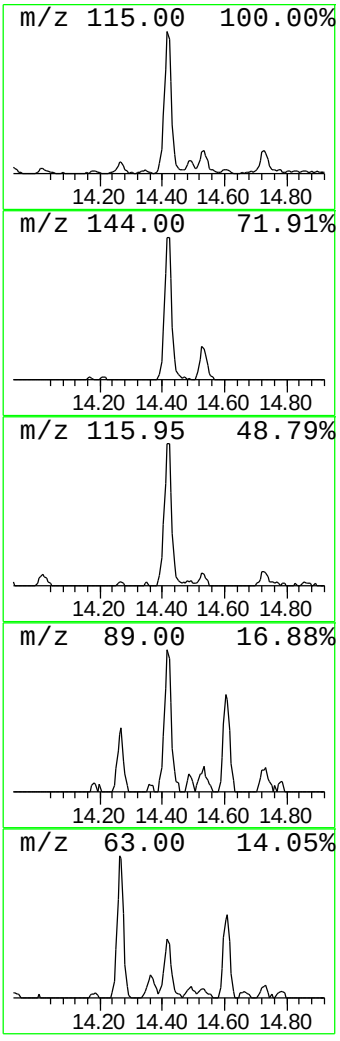
****

Peak Number 22 Benzene, 1-propynyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	13.91 ng/ul	246684	Acenaphthene-d10	14.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propynyl-	116	C9H8	000673-32-5	95
2	1-Naphthalenol	144	C10H8O	000090-15-3	94
3	1-Naphthalenol	144	C10H8O	000090-15-3	94
4	2-Naphthalenol	144	C10H8O	000135-19-3	91
5	1-Naphthalenol	144	C10H8O	000090-15-3	91





Library Search Compound Report

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Data File : BM022337.D
Acq On : 26 Aug 2019 18:57
Operator : HP/JU
Sample : K4373-11DL 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB2DL

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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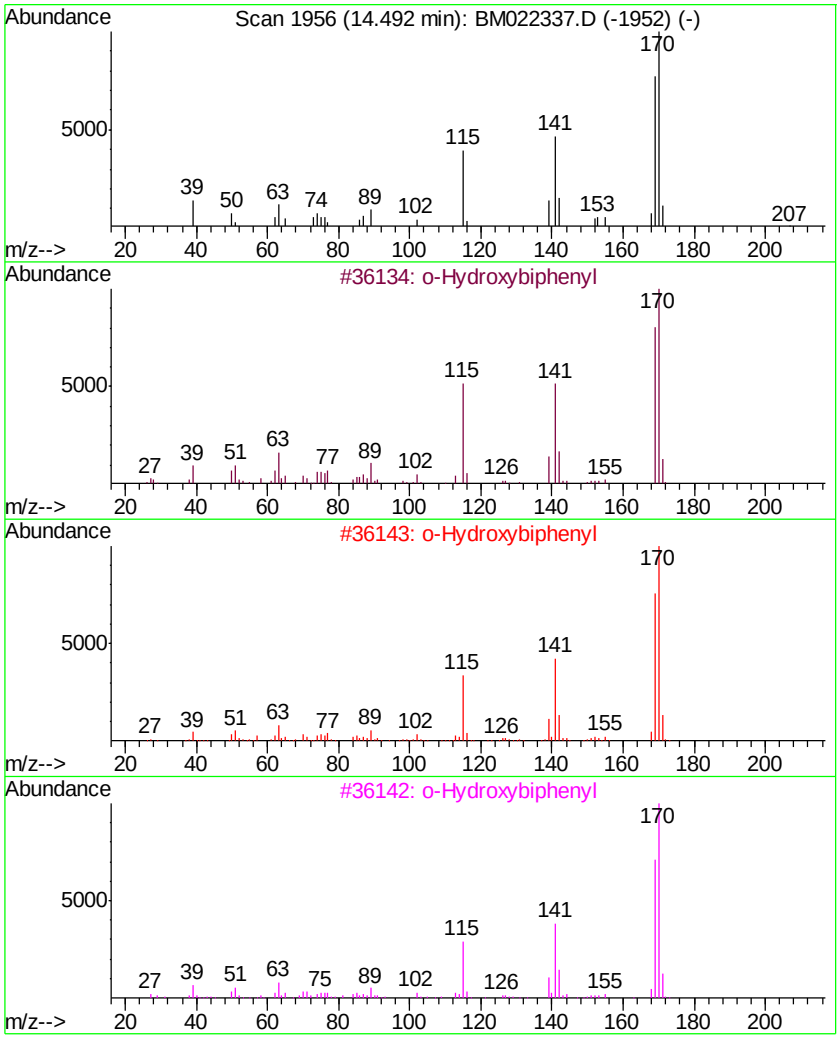
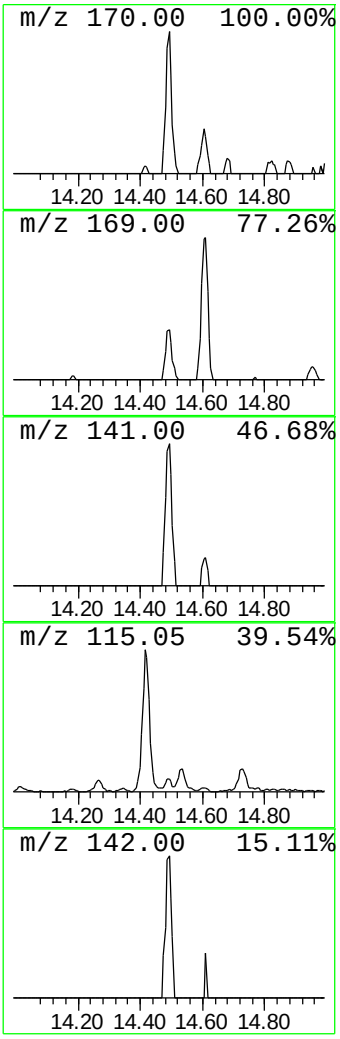
Peak Number 23 o-Hydroxybiphenyl Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	2.64 ng/ul	46785	Acenaphthene-d10	14.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	97
2	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	94
3	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	91
4	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	90
5	[1,1'-Biphenyl]-3-ol	170	C12H10O	000580-51-8	70





Library Search Compound Report

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Operator : HP/JU
Sample : K4373-11DL 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB2DL

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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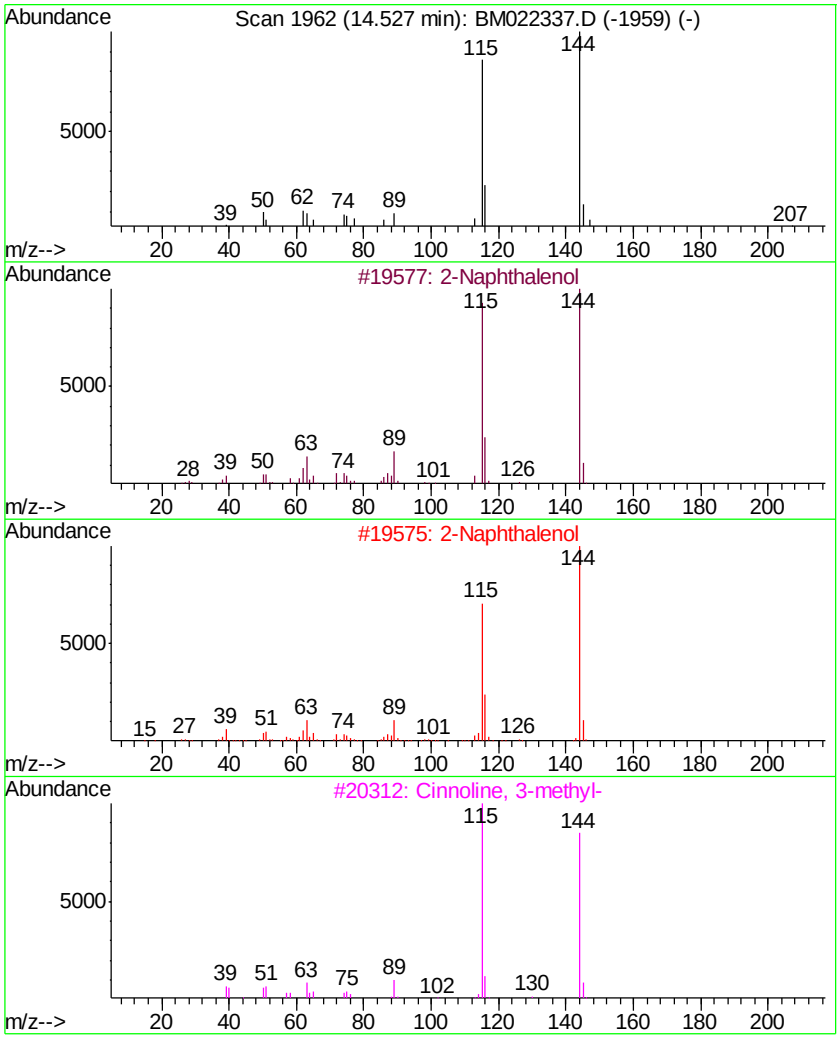
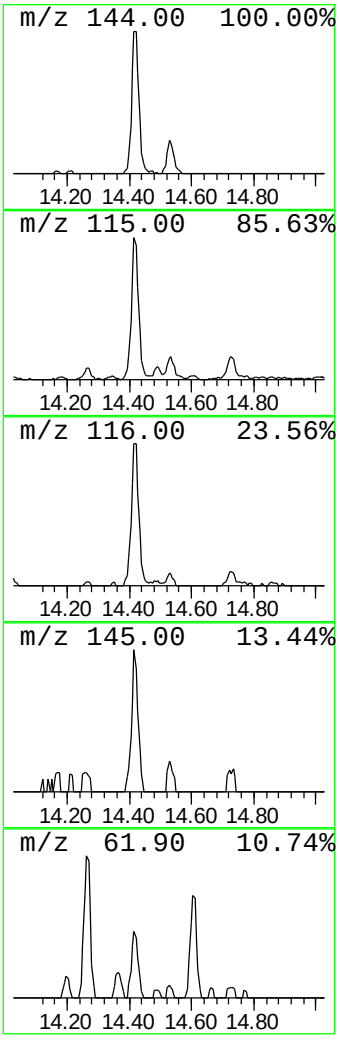
Peak Number 24 2-Naphthalenol Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.53	2.29 ng/ul	40562	Acenaphthene-d10	14.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenol	144	C10H8O	000135-19-3	86
2	2-Naphthalenol	144	C10H8O	000135-19-3	64
3	Cinnoline, 3-methyl-	144	C9H8N2	017372-78-0	58
4	Malononitrile, furfurylidene-	144	C8H4N2O	003237-22-7	53
5	Furan, 3-phenyl-	144	C10H8O	013679-41-9	53





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Acq On : 26 Aug 2019 18:57
Operator : HP/JU
Sample : K4373-11DL 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB2DL

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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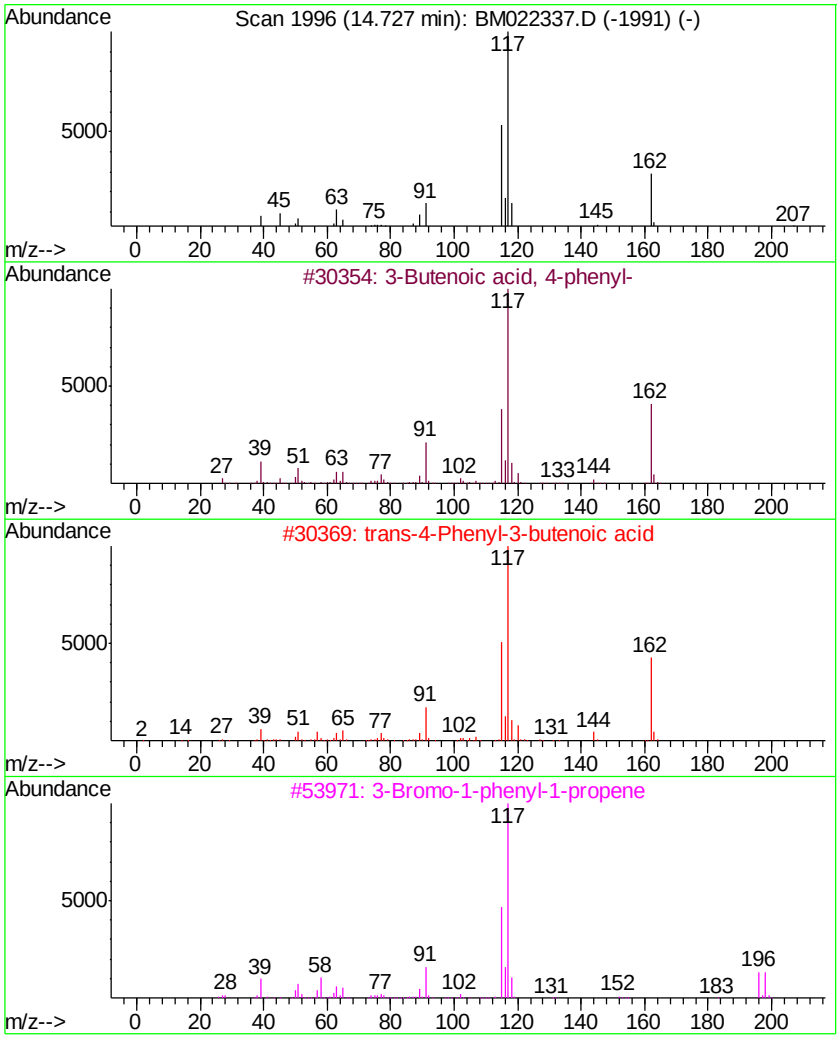
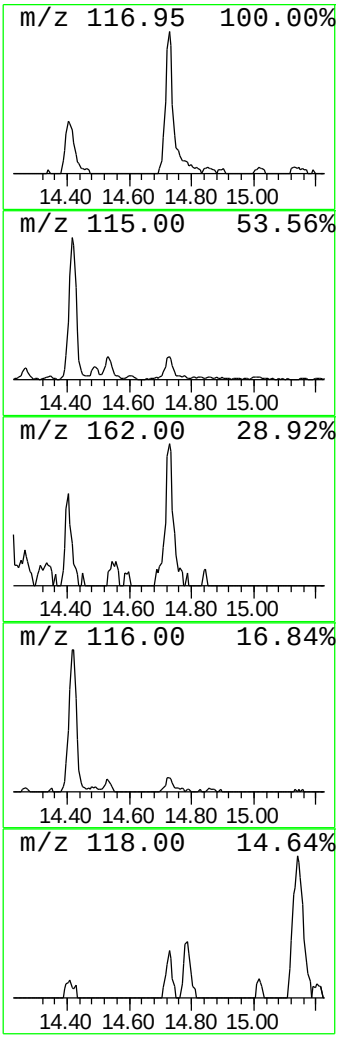
Peak Number 25 3-Butenoic acid, 4-phenyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	3.36 ng/ul	59535	Acenaphthene-d10	14.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Butenoic acid, 4-phenyl-	162	C10H10O2	002243-53-0	72
2	trans-4-Phenyl-3-butenoic acid	162	C10H10O2	001914-58-5	72
3	3-Bromo-1-phenyl-1-propene	196	C9H9Br	004392-24-9	64
4	Benzene, 1-butenyl-, (E)-	132	C10H12	001005-64-7	59
5	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	53





Library Search Compound Report

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Acq On : 26 Aug 2019 18:57
Operator : HP/JU
Sample : K4373-11DL 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB2DL

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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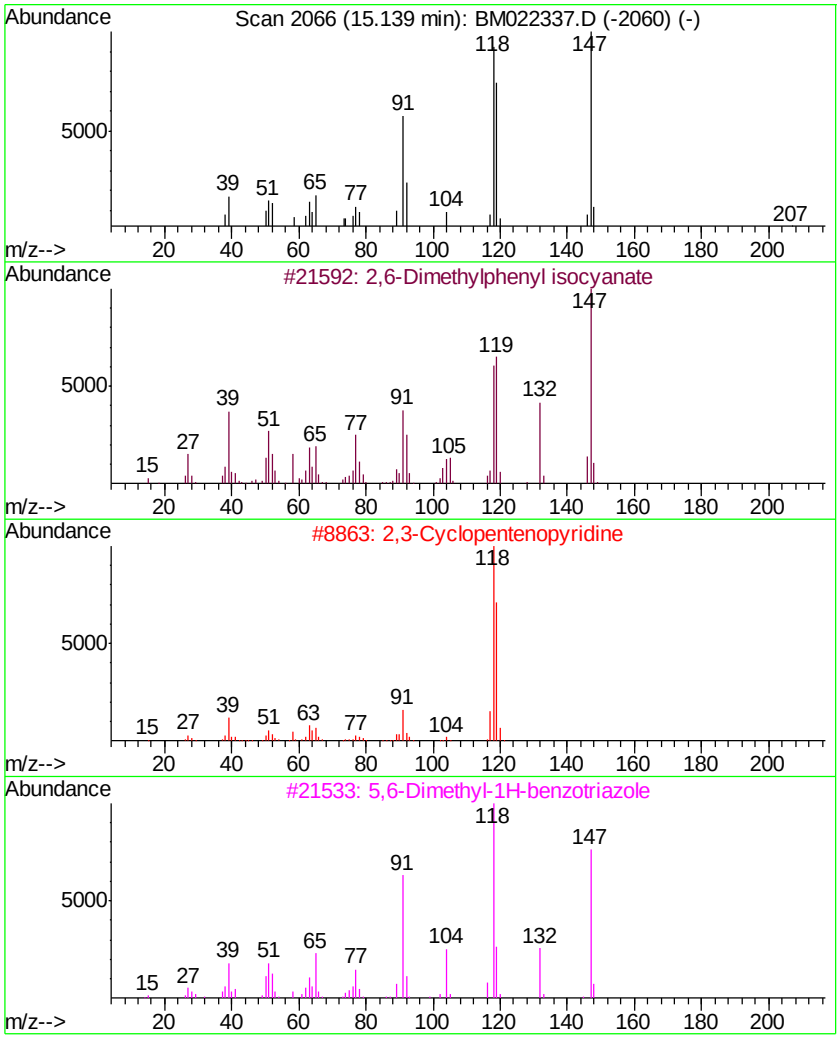
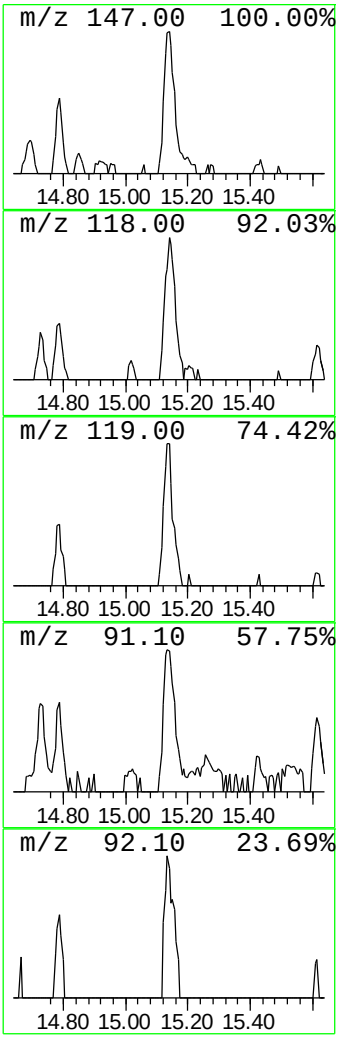
Peak Number 27 2,6-Dimethylphenyl isocyanate Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	3.80 ng/ul	67281	Acenaphthene-d10	14.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Dimethylphenyl isocyanate	147	C9H9NO	028556-81-2	64
2	2,3-Cyclopentenopyridine	119	C8H9N	000533-37-9	64
3	5,6-Dimethyl-1H-benzotriazole	147	C8H9N3	004184-79-6	58
4	Pyrido[3,2-d]pyrimidin-4-ol	147	C7H5N3O	037538-67-3	53
5	2H-Indol-2-one, 1,3-dihydro-1-me...	147	C9H9NO	000061-70-1	52





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Operator : HP/JU
Sample : K4373-11DL 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB2DL

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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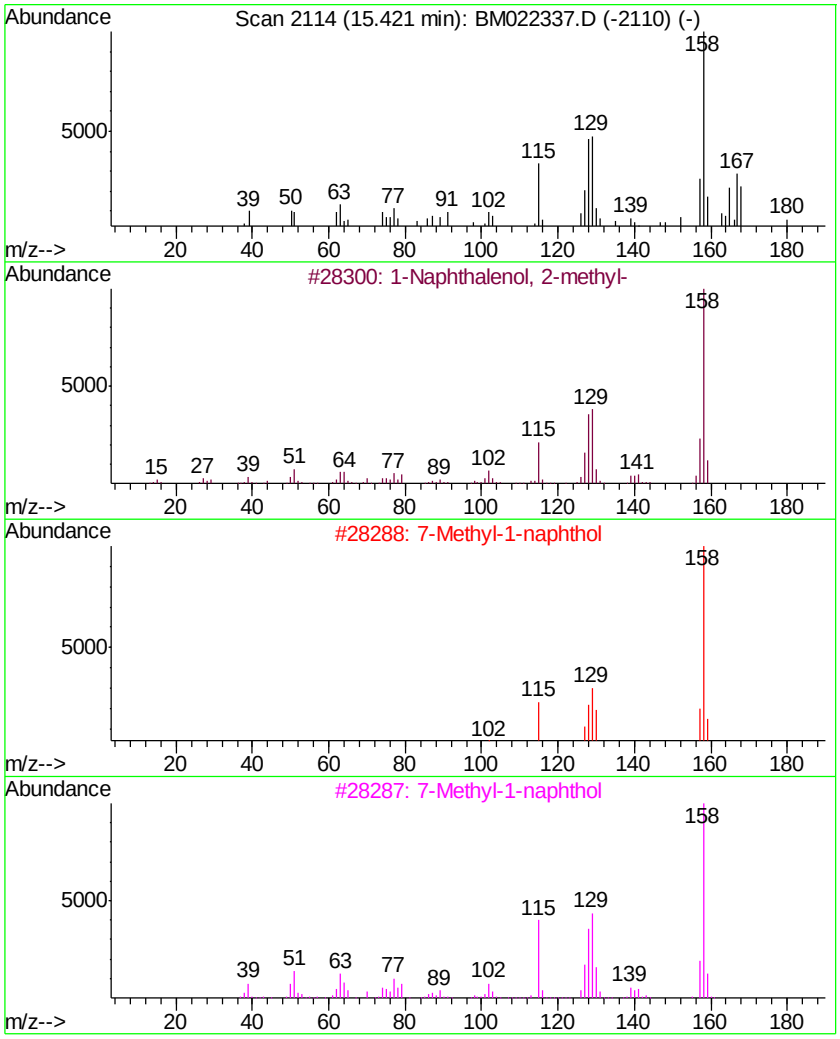
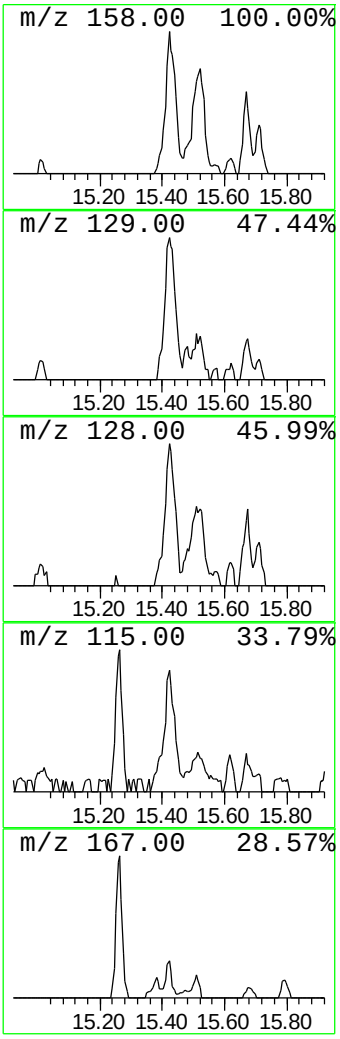
Peak Number 28 1-Naphthalenol, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.42	7.07 ng/ul	125384	Acenaphthene-d10	14.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenol, 2-methyl-	158	C11H10O	007469-77-4	83
2	7-Methyl-1-naphthol	158	C11H10O	006939-33-9	68
3	7-Methyl-1-naphthol	158	C11H10O	006939-33-9	58
4	1-Naphthalenol, 2-methyl-	158	C11H10O	007469-77-4	46
5	Benzene, (2-methylenecyclopentyl)-	158	C12H14	095177-45-0	38





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Acq On : 26 Aug 2019 18:57
Operator : HP/JU
Sample : K4373-11DL 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB2DL

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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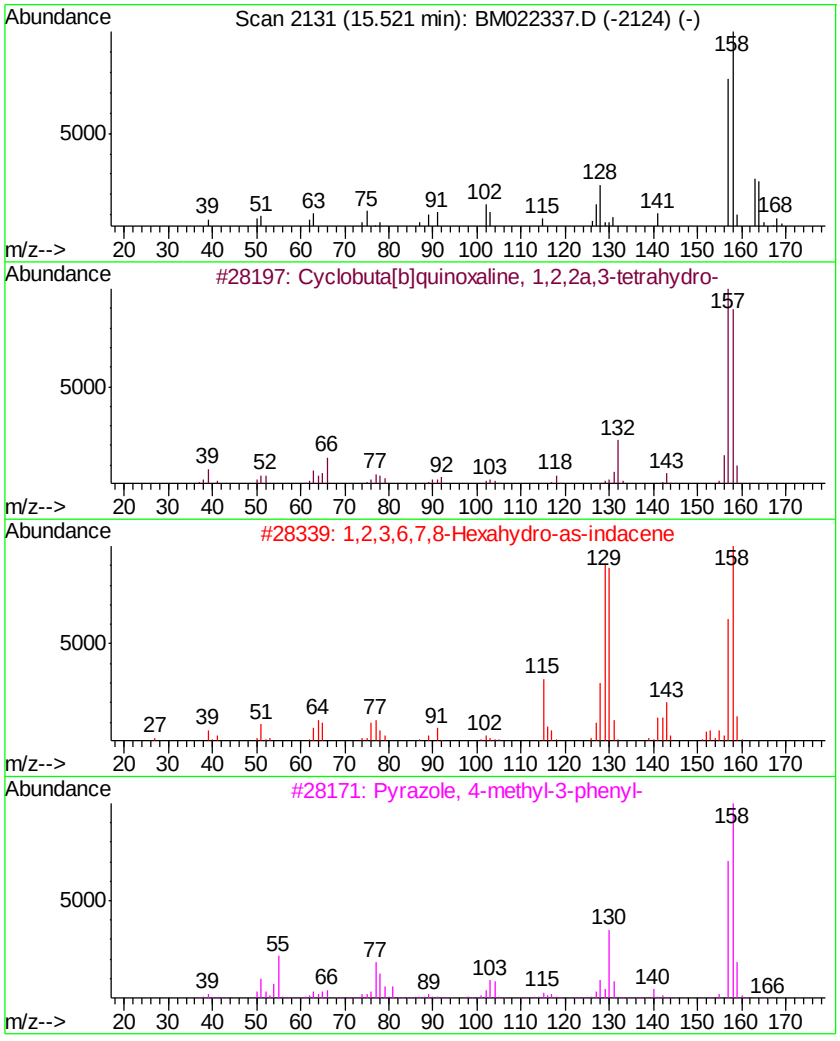
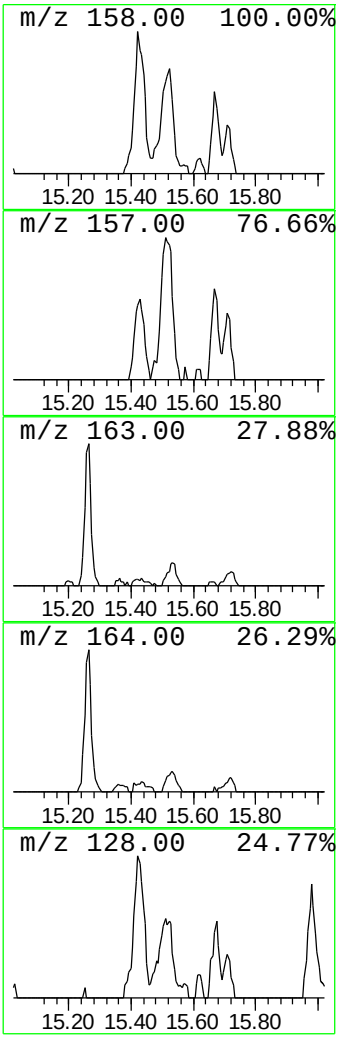
Peak Number 29 unknown-02 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.52	5.51 ng/ul	97680	Acenaphthene-d10	14.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobuta[b]quinoxaline, 1,2,2a,...	158	C10H10N2	021943-51-1	46
2	1,2,3,6,7,8-Hexahydro-as-indacene	158	C12H14	001076-17-1	41
3	Pyrazole, 4-methyl-3-phenyl-	158	C10H10N2	013808-62-3	30
4	1-Naphthalenol, 2-methyl-	158	C11H10O	007469-77-4	25
5	6-Quinolinamine, 2-methyl-	158	C10H10N2	065079-19-8	22





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Sample : K4373-11DL 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB2DL

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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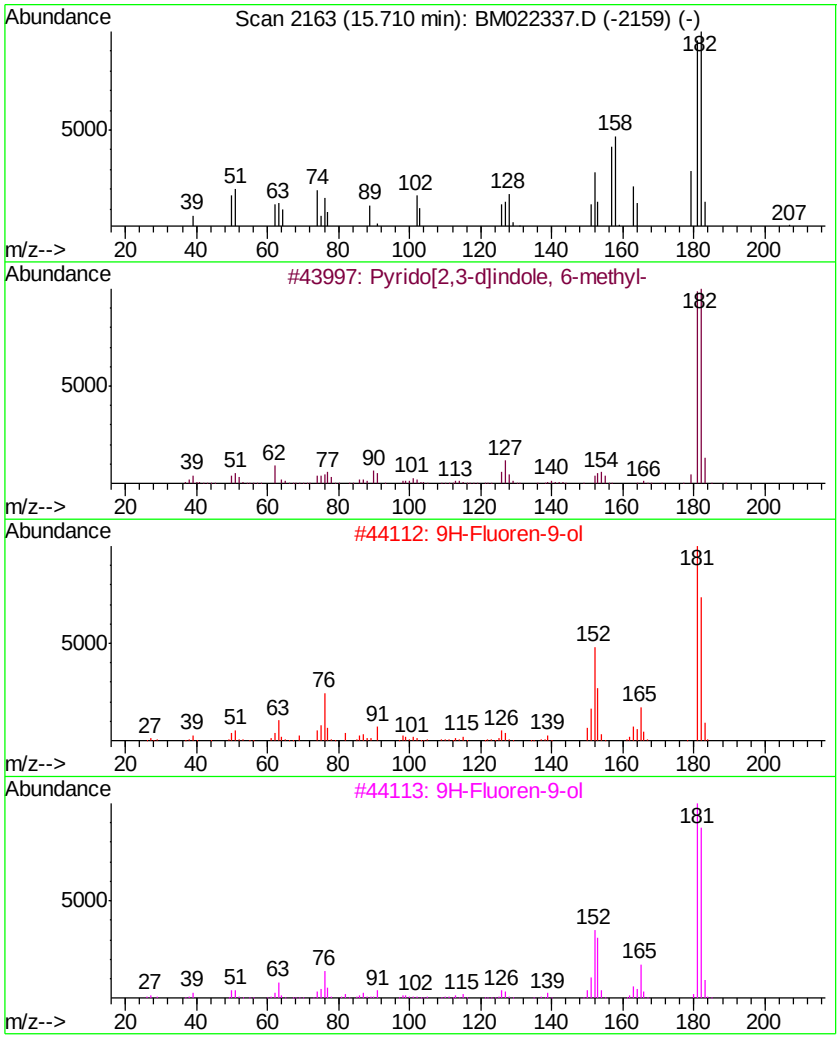
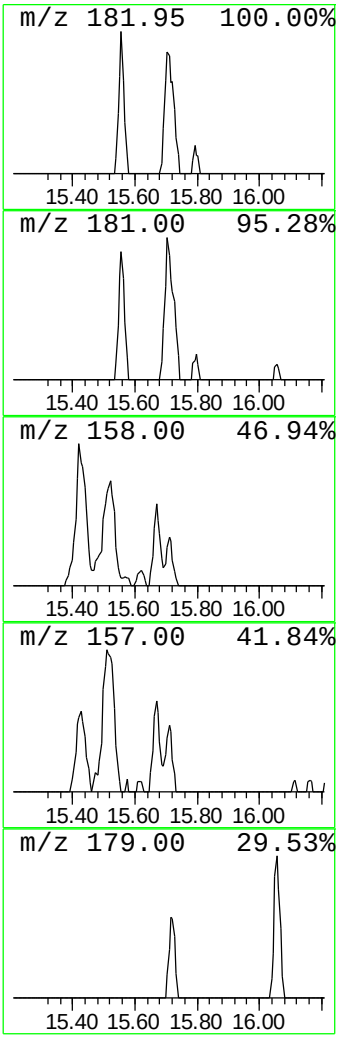
Peak Number 30 unknown-03 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.71	2.34 ng/ul	57519	Phenanthrene-d10	16.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrido[2,3-d]indole, 6-methyl-	182	C12H10N2	108349-67-3	49
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	46
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	46
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	43
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	38





Tentatively Identified Compound (LSC) summary

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Operator : HP/JU
Sample : K4373-11DL 20X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AB2DL

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
Indane	7.90	41.9	ng/ul	279465	1	7.55	133570	20.0
Phenol, 2,6-dimet...	8.97	3.5	ng/ul	37652	2	10.32	212192	20.0
Benzene, 2-butenyl-	9.70	2.0	ng/ul	21661	2	10.32	212192	20.0
Phenol, 3,5-dimet...	9.83	14.8	ng/ul	157289	2	10.32	212192	20.0
Phenol, 3-chloro-	10.23	9.4	ng/ul	100001	2	10.32	212192	20.0
Benzo[b]thiophene	10.49	19.3	ng/ul	204851	2	10.32	212192	20.0
2,4,6-Octatriene,...	10.87	6.0	ng/ul	63776	2	10.32	212192	20.0
Phenol, 2-ethyl-6...	11.17	6.9	ng/ul	72790	2	10.32	212192	20.0
Phenol, 2,3,6-tri...	11.41	3.6	ng/ul	38741	2	10.32	212192	20.0
1H-Inden-1-one, 2...	11.75	8.6	ng/ul	91239	2	10.32	212192	20.0
3-Methylbenzothio...	11.88	2.4	ng/ul	25309	2	10.32	212192	20.0
unknown-01	12.12	3.4	ng/ul	35866	2	10.32	212192	20.0
Naphthalene, 1-me...	12.21	50.2	ng/ul	533026	2	10.32	212192	20.0
1H-Inden-5-ol, 2,...	12.42	2.6	ng/ul	46449	3	14.20	354568	20.0
Naphthalene, 1,7-...	13.35	5.0	ng/ul	88790	3	14.20	354568	20.0
Naphthalene, 1,3-...	13.51	4.6	ng/ul	82200	3	14.20	354568	20.0
Naphthalene, 2,3-...	13.57	2.2	ng/ul	38705	3	14.20	354568	20.0
2-Naphthalenecarb...	14.36	5.8	ng/ul	103462	3	14.20	354568	20.0
Benzene, 1-propynyl-	14.42	13.9	ng/ul	246684	3	14.20	354568	20.0
o-Hydroxybiphenyl	14.49	2.6	ng/ul	46785	3	14.20	354568	20.0
2-Naphthalenol	14.53	2.3	ng/ul	40562	3	14.20	354568	20.0
3-Butenoic acid, ...	14.73	3.4	ng/ul	59535	3	14.20	354568	20.0
2,6-Dimethylpheny...	15.14	3.8	ng/ul	67281	3	14.20	354568	20.0
1-Naphthalenol, 2...	15.42	7.1	ng/ul	125384	3	14.20	354568	20.0
unknown-02	15.52	5.5	ng/ul	97680	3	14.20	354568	20.0
unknown-03	15.71	2.3	ng/ul	57519	4	16.96	491907	20.0