LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
Data File : BM022311.D
Acq On : 25 Aug 2019 02:57
Operator : HP/JU
Sample : K4373-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD4

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	6.752	636	640	655	rVB3	42302	100531	1.35%	0.162%
2	6.910	661	667	676	rBV	131788	217779	2.93%	0.352%
3	7.093	691	698	708	rBB	182167	298620	4.02%	0.482%
4	7.552	770	776	784	rVB	171968	272026	3.66%	0.440%
5	7.905	830	836	844	rBV	266680	406462	5.47%	0.657%
6	8.075	859	865	872	rVB	50997	77693	1.04%	0.126%
7	8.275	894	899	907	rBV	143165	233042	3.13%	0.377%
8	8.628	954	959	967	rBV5	17389	30392	0.41%	0.049%
9	8.722	967	975	981	rVV2	240018	453702	6.10%	0.733%
10	8.887	998	1003	1009	rVB	36221	54037	0.73%	0.087%
11	8.981	1012	1019	1021	rBV3	34658	68002	0.91%	0.110%
12	9.016	1022	1025	1032	rVV2	39233	67675	0.91%	0.109%
13	9.434	1090	1096	1104	rBB	220405	362148	4.87%	0.585%
14	9.557	1112	1117	1124	rVB2	71390	118350	1.59%	0.191%
15	9.740	1136	1148	1157	rBV6	55723	154622	2.08%	0.250%
16	9.816	1157	1161	1166	rVV2	28683	53473	0.72%	0.086%
17	9.969	1180	1187	1200	rBV	299867	574665	7.73%	0.928%
18	10.228	1227	1231	1236	rVV	19777	31465	0.42%	0.051%
19	10.328	1240	1248	1251	rVV	242482	437704	5.89%	0.707%
20	10.387	1251	1258	1269	rVV	4558026	7434997	100.00%	12.013%
21	10.498	1269	1277	1285	rVV	376345	646430	8.69%	1.044%
22	10.734	1313	1317	1323	rVV3	18927	33144	0.45%	0.054%
23	10.963	1352	1356	1362	rVB2	23615	37899	0.51%	0.061%
24	11.440	1429	1437	1445	rVV3	63910	160347	2.16%	0.259%
25	11.504	1445	1448	1458	rVB7	13082	33578	0.45%	0.054%
26	11.887	1505	1513	1522	rBV	79384	148421	2.00%	0.240%
27	11.998	1525	1532	1538	rVB	278532	443782	5.97%	0.717%
28	12.122	1546	1553	1557	rVB4	24803	54587	0.73%	0.088%
29	12.222	1557	1570	1579	rVB	1639171	2566080	34.51%	4.146%
30	12.351	1583	1592	1596	rVB4	16206	27811	0.37%	0.045%
31	12.722	1650	1655	1659	rVV5	26992	49891	0.67%	0.081%
32	13.034	1697	1708	1714	rVV	174375	296829	3.99%	0.480%
33	13.228	1734	1741	1742	rVV2	56630	97350	1.31%	0.157%
34	13.251	1742	1745	1754	rVB2	78055	134414	1.81%	0.217%

LSC Area Percent Report

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

Instrument : BNA_M
ClientSampleId : C0AD4

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	13.357	1756	1763	1774	rBV2	159958	423727	5.70%	0.685%
36	13.522	1782	1791	1796	rBV	400132	755745	10.16%	1.221%
37	13.575	1796	1800	1803	rVV	84605	133784	1.80%	0.216%
38	13.639	1806	1811	1816	rVV	677208	889882	11.97%	1.438%
39	13.687	1816	1819	1822	rVB	74267	85279	1.15%	0.138%
40	13.763	1827	1832	1835	rVV	222938	371596	5.00%	0.600%
41	13.792	1835	1837	1844	rVV	98506	126564	1.70%	0.204%
42	13.904	1850	1856	1871	rVB2	705955	1425352	19.17%	2.303%
43	14.045	1871	1880	1884	rBV10	21375	48252	0.65%	0.078%
44	14.210	1894	1908	1913	rBV	443489	780085	10.49%	1.260%
45	14.286	1913	1921	1927	rVV	4894110	6885779	92.61%	11.125%
46	14.369	1927	1935	1939	rVV	129937	200279	2.69%	0.324%
47	14.434	1939	1946	1952	rVB4	53871	128351	1.73%	0.207%
48	14.522	1952	1961	1968	rBV3	152264	362130	4.87%	0.585%
49	14.616	1970	1977	1983	rVV	2155546	2969036	39.93%	4.797%
50	14.686	1983	1989	1993	rVB2	51505	85922	1.16%	0.139%
51	14.828	2007	2013	2018	rBV2	69613	139483	1.88%	0.225%
52	14.886	2018	2023	2030	rVB3	44187	86507	1.16%	0.140%
53	15.092	2054	2058	2063	rBV	24785	41658	0.56%	0.067%
54	15.145	2064	2067	2069	rVV3	22716	31974	0.43%	0.052%
55	15.216	2073	2079	2083	rVV	964222	1388582	18.68%	2.244%
56	15.269	2083	2088	2096	rVB	1511677	2138619	28.76%	3.455%
57	15.386	2099	2108	2112	rVV2	428800	804840	10.83%	1.300%
58	15.428	2112	2115	2120	rVV	224024	340598	4.58%	0.550%
59	15.480	2120	2124	2126	rVV	73923	113971	1.53%	0.184%
60	15.516	2126	2130	2133	rVV	118281	178180	2.40%	0.288%
61	15.563	2133	2138	2145	rVB	187461	293453	3.95%	0.474%
62	15.680	2154	2158	2160	rBV2	80207	115445	1.55%	0.187%
63	15.710	2160	2163	2170	rVB2	207750	433155	5.83%	0.700%
64	15.798	2170	2178	2184	rBV5	80438	157907	2.12%	0.255%
65	15.969	2201	2207	2210	rBV	434271	777012	10.45%	1.255%
66	16.063	2219	2223	2227	rVB	157354	193439	2.60%	0.313%
67	16.269	2248	2258	2263	rBV2	136142	397352	5.34%	0.642%
68	16.422	2281	2284	2288	rVB	69071	88921	1.20%	0.144%
69	16.633	2315	2320	2323	rBV6	32900	57046	0.77%	0.092%
70	16.792	2338	2347	2354	rBV	286990	528303	7.11%	0.854%
71	16.904	2359	2366	2370	rBV3	107570	262278	3.53%	0.424%

LSC Area Percent Report

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Sample : K4373-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD4

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

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

72	16.975	2371	2378	2381	rVV2	581500	934966	12.58%	1.511%
73	17.022	2381	2386	2390	rVV	3023716	3944257	53.05%	6.373%
74	17.075	2390	2395	2398	rVV	1263092	1679121	22.58%	2.713%
75	17.110	2398	2401	2405	rVB	449471	562496	7.57%	0.909%
76	17.186	2410	2414	2421	rVB	135395	221080	2.97%	0.357%
77	17.398	2441	2450	2455	rBV	545921	822082	11.06%	1.328%
78	17.563	2474	2478	2484	rBV3	57371	87732	1.18%	0.142%
79	17.639	2485	2491	2495	rBV5	65234	149317	2.01%	0.241%
80	17.845	2520	2526	2529	rBV2	185891	358833	4.83%	0.580%
81	17.898	2529	2535	2545	rVB4	344232	817918	11.00%	1.321%
82	18.045	2555	2560	2565	rBV	381985	663655	8.93%	1.072%
83	18.169	2575	2581	2585	rBV2	112830	247416	3.33%	0.400%
84	18.257	2593	2596	2601	rBV4	71675	118022	1.59%	0.191%
85	18.310	2602	2605	2609	rVB3	86430	113187	1.52%	0.183%
86	18.357	2610	2613	2618	rVB2	75509	123146	1.66%	0.199%
87	18.416	2619	2623	2627	rBV3	63527	125080	1.68%	0.202%
88	19.051	2726	2731	2735	rVB	1351665	1673582	22.51%	2.704%
89	19.163	2746	2750	2762	rVB4	187631	316909	4.26%	0.512%
90	19.386	2782	2788	2791	rBV	1731584	2614237	35.16%	4.224%
91	19.410	2791	2792	2796	rVB	707336	665010	8.94%	1.074%
92	19.592	2821	2823	2830	rVB	46627	57895	0.78%	0.094%
93	19.804	2855	2859	2867	rVV	130779	174346	2.34%	0.282%
94	19.910	2870	2877	2885	rVB	250584	454371	6.11%	0.734%
95	20.010	2890	2894	2898	rBV	137143	168377	2.26%	0.272%
96	20.551	2982	2986	2993	rVB	409211	568827	7.65%	0.919%
97	21.180	3087	3093	3097	rBV2	949668	1281693	17.24%	2.071%
98	21.215	3097	3099	3108	rVB	131528	150222	2.02%	0.243%
99	23.239	3435	3443	3455	rVB	838136	1639878	22.06%	2.650%
100	23.374	3460	3466	3472	rVV	430946	741429	9.97%	1.198%

Sum of corrected areas: 61893518

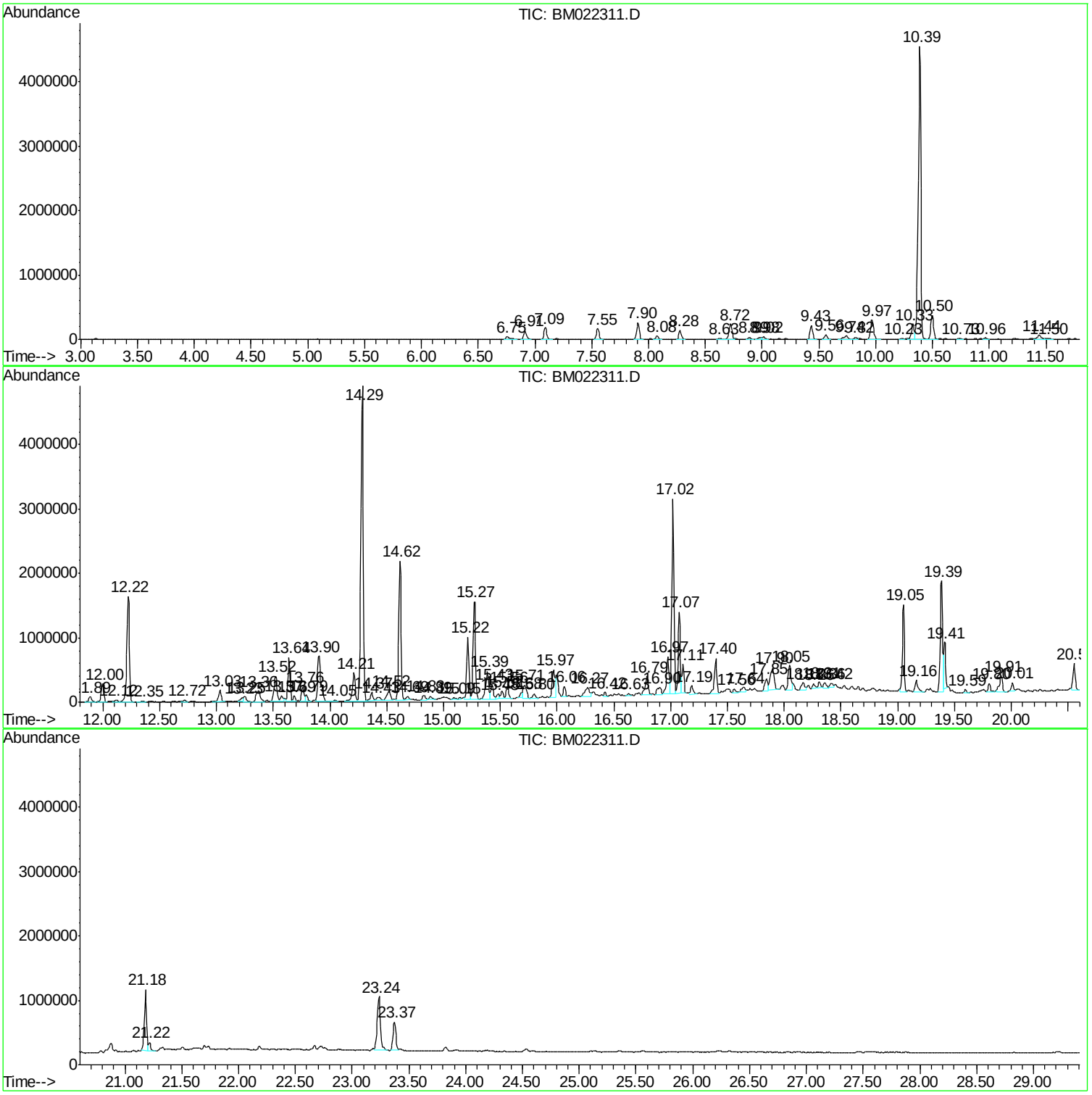
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
Data File : BM022311.D
Acq On : 25 Aug 2019 02:57
Operator : HP/JU
Sample : K4373-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD4

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
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Instrument : BNA_M
ClientSampleId : C0AD4

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

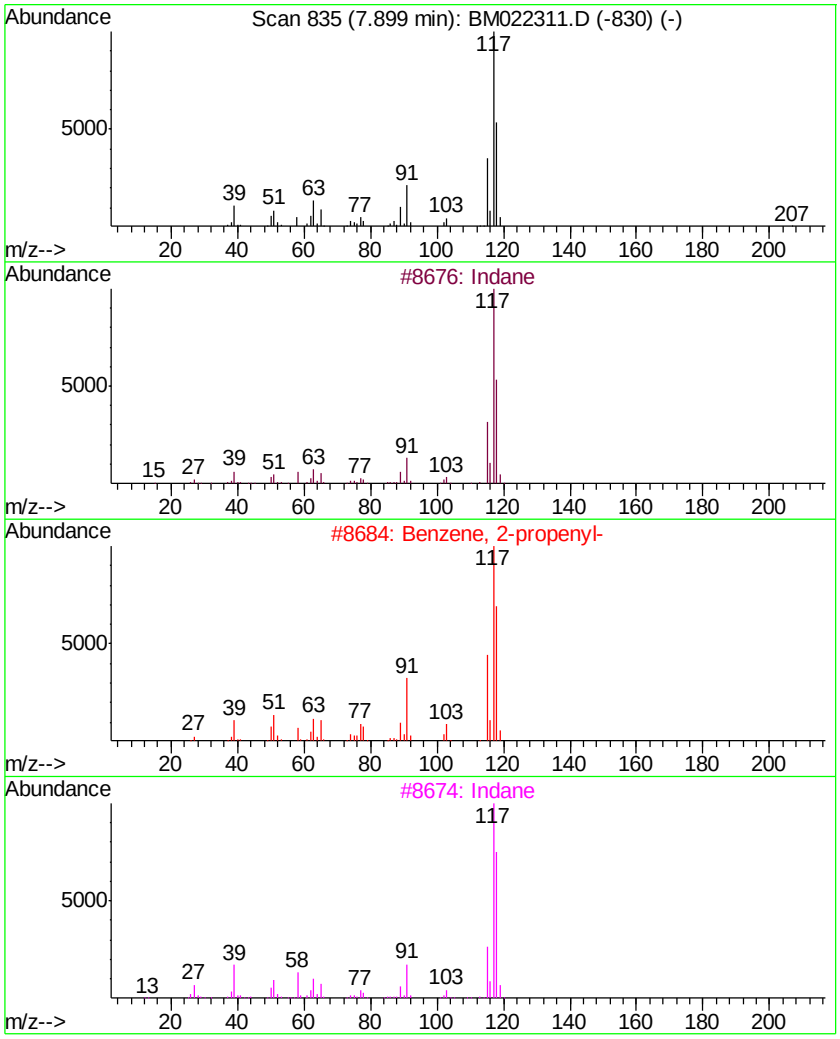
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

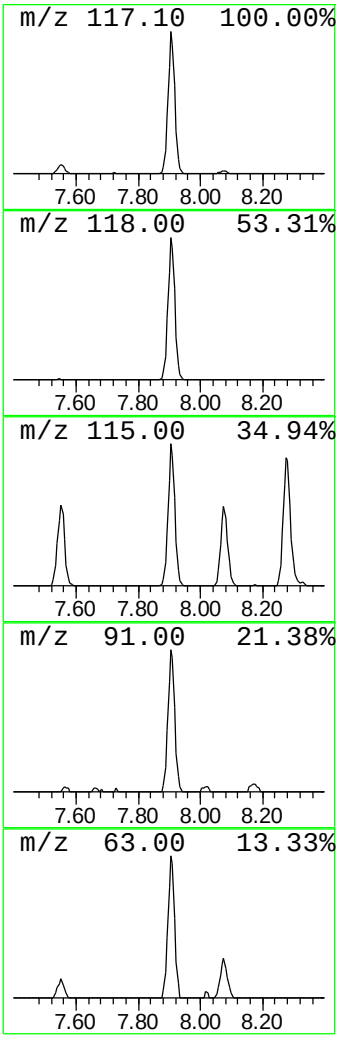
****

Peak Number 1 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.90	29.88 ng/ul	406462	1,4-Dichlorobenzene-d4	7.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	92
3	Indane	118	C9H10	000496-11-7	87
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	81
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	68





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
Data File : BM022311.D
Acq On : 25 Aug 2019 02:57
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Sample : K4373-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD4

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

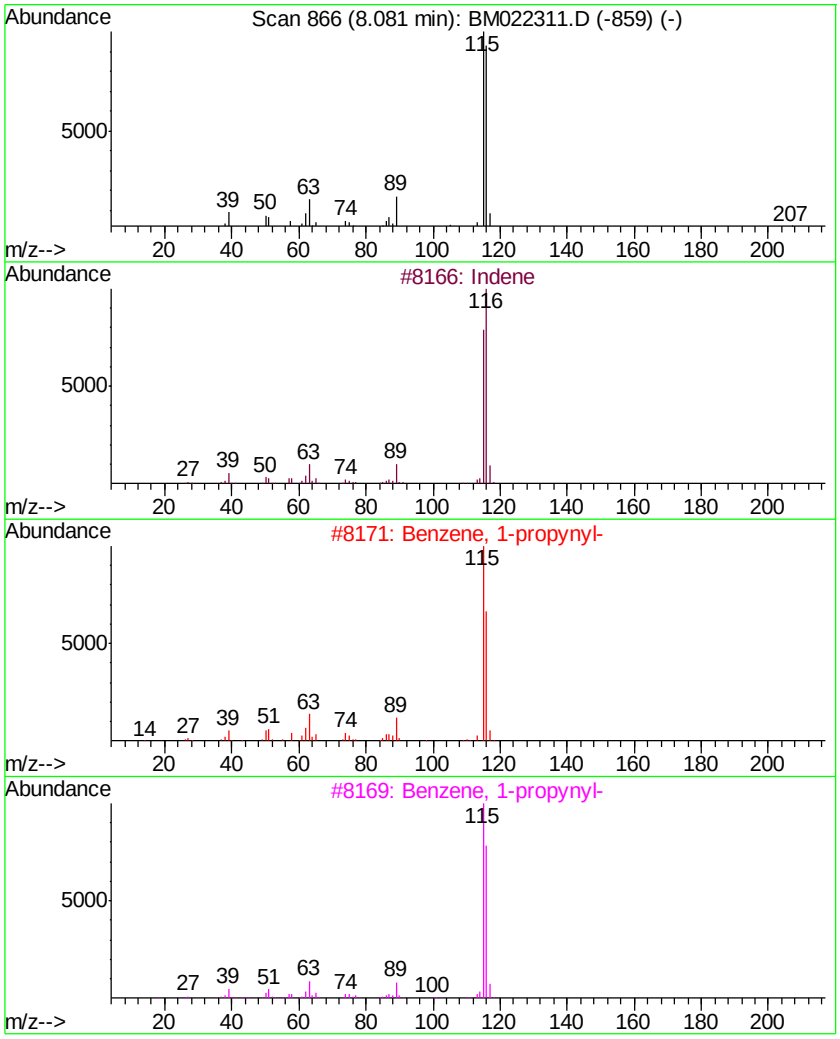
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

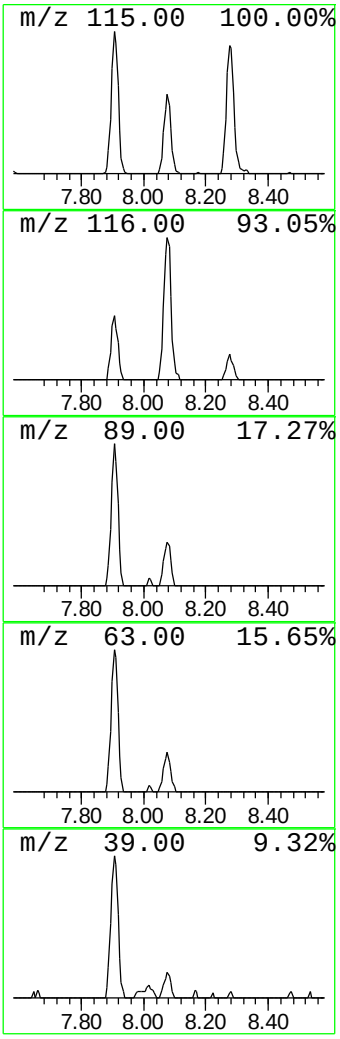
****

Peak Number 2 Indene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.08	5.71 ng/ul	77693	1,4-Dichlorobenzene-d4	7.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	91
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	90





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ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD4

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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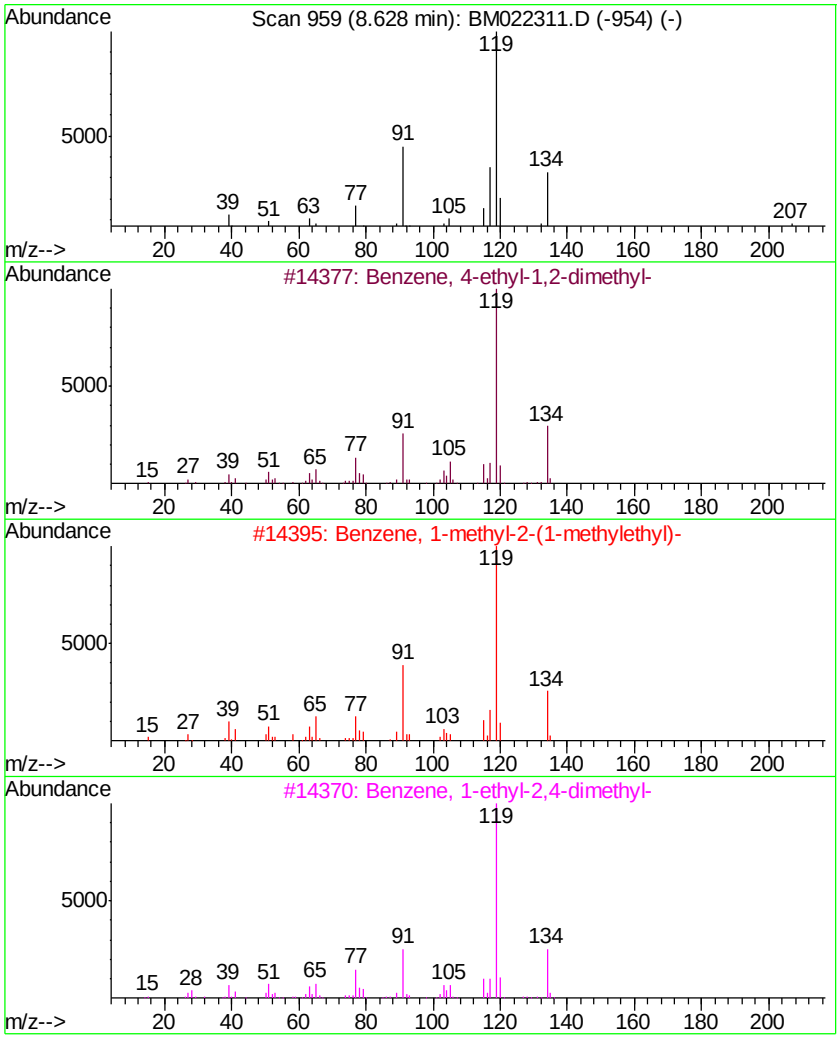
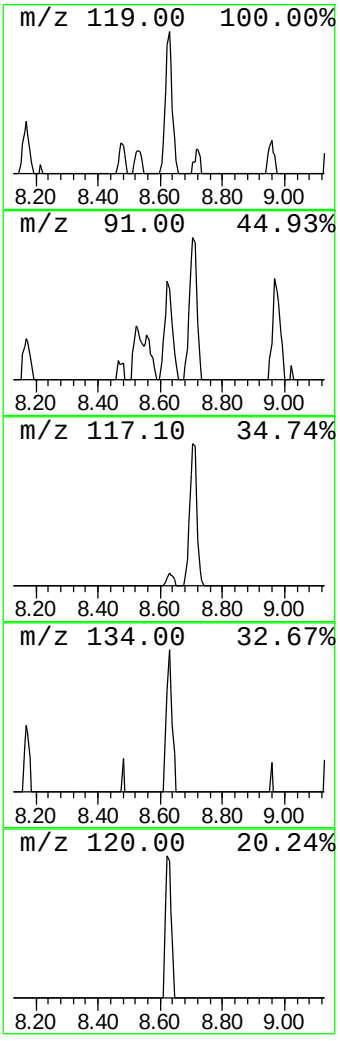
Peak Number 3 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.63	2.23 ng/ul	30392	1,4-Dichlorobenzene-d4	7.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	72
2	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	72
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	64
4	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	64
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	64





Library Search Compound Report

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Data File : BM022311.D
Acq On : 25 Aug 2019 02:57
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Sample : K4373-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD4

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 4 Benzofuran, 7-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.89	3.97 ng/ul	54037	1,4-Dichlorobenzene-d4	7.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	94
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	94
3	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	93
4	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	91
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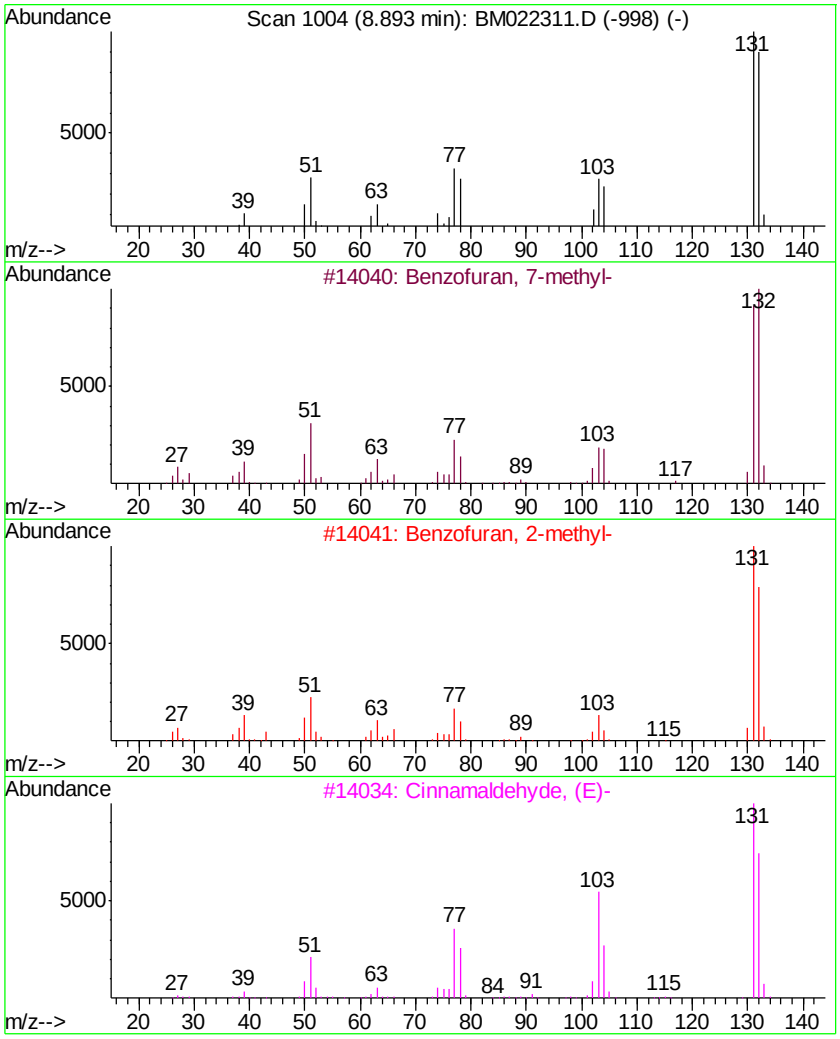
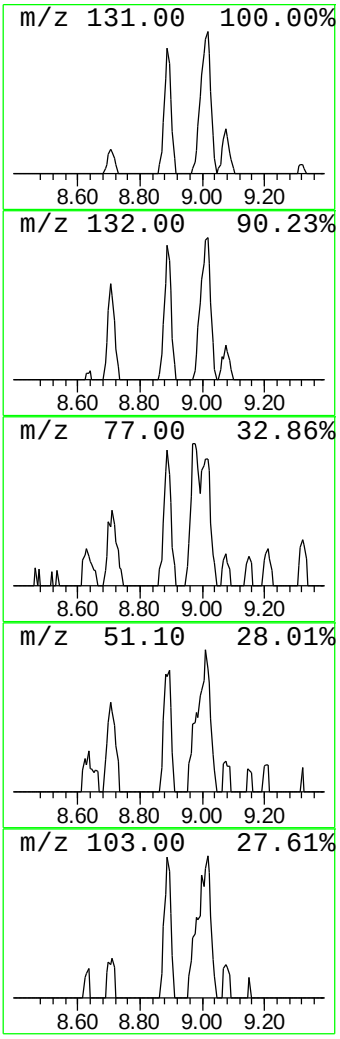




Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
Data File : BM022311.D
Acq On : 25 Aug 2019 02:57
Operator : HP/JU
Sample : K4373-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD4

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

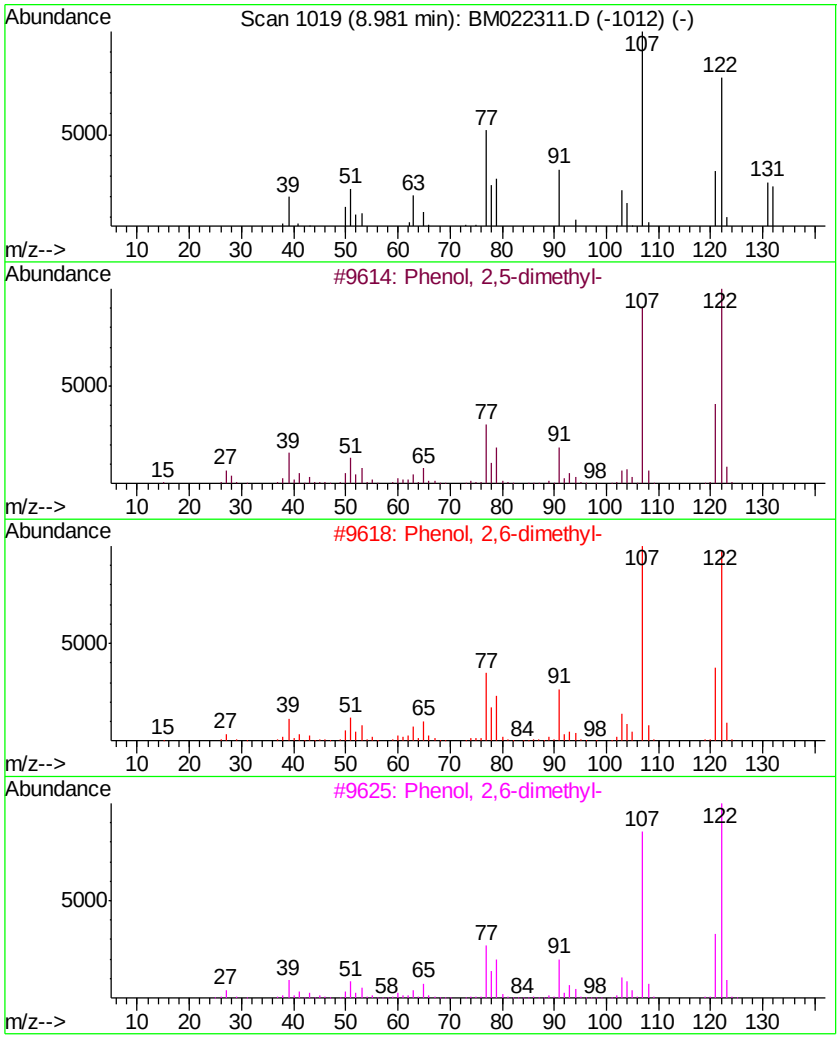
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

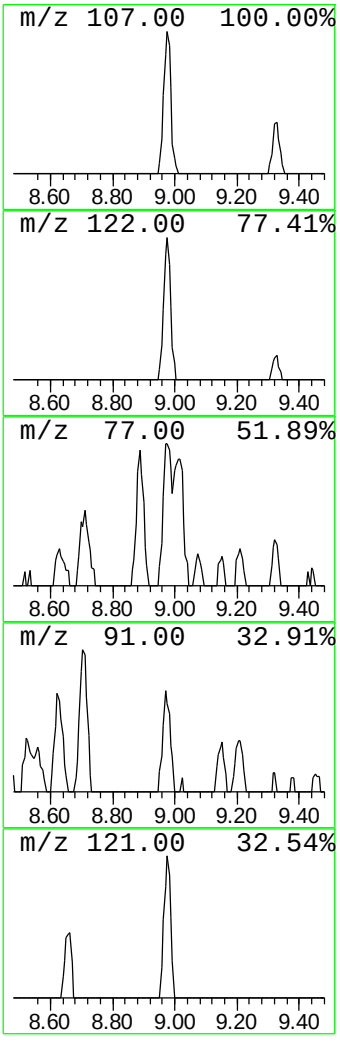
****

Peak Number 5 Phenol, 2,5-dimethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.98	3.11 ng/ul	68002	Naphthalene-d8	10.33

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





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Acq On : 25 Aug 2019 02:57
Operator : HP/JU
Sample : K4373-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD4

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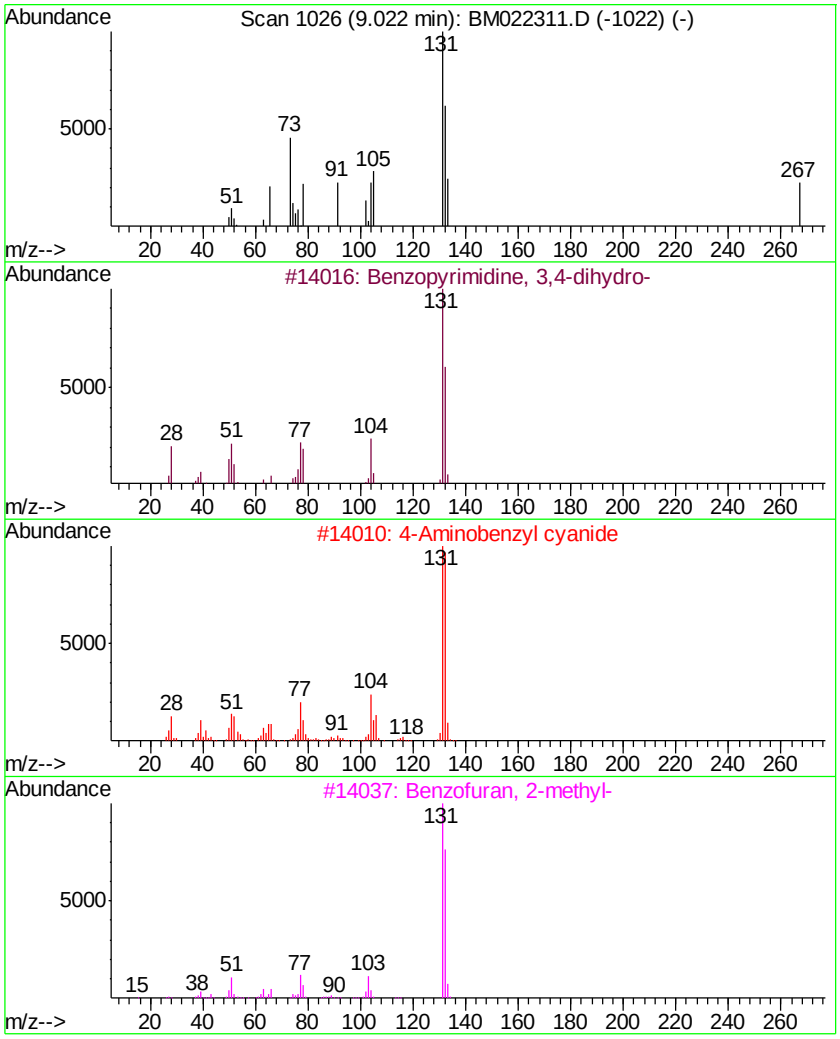
Quant Title : SVOA CALIBRATION

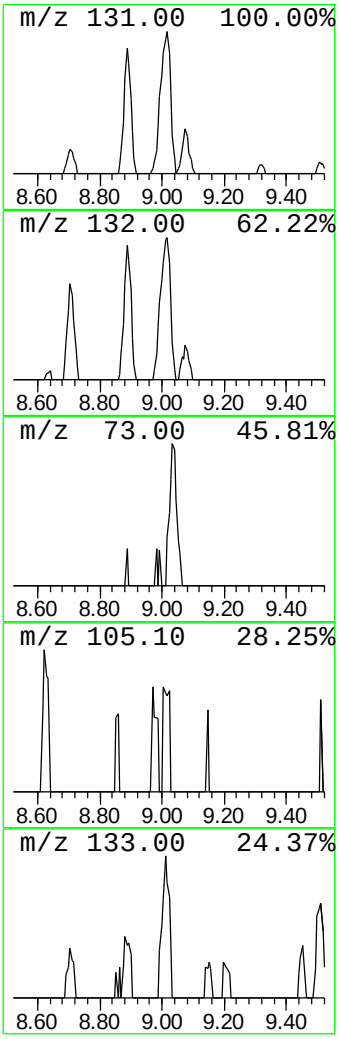
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzopyrimidine, 3,4-dihydro- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.02	3.09 ng/ul	67675	Naphthalene-d8	10.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzopyrimidine, 3,4-dihydro-	132	C8H8N2	001904-64-9	72
2	4-Aminobenzyl cyanide	132	C8H8N2	003544-25-0	72
3	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	64
4	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	64
5	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	64





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Instrument : BNA_M
ClientSampleId : C0AD4

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Quant Title : SVOA CALIBRATION

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

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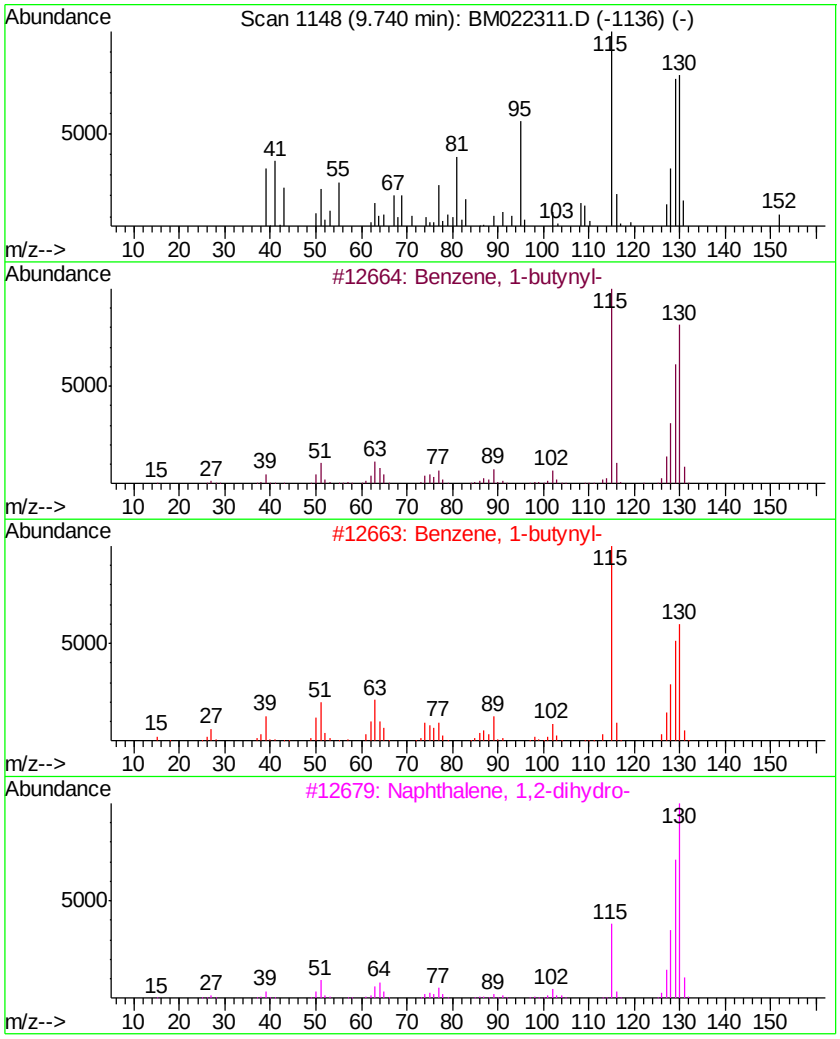
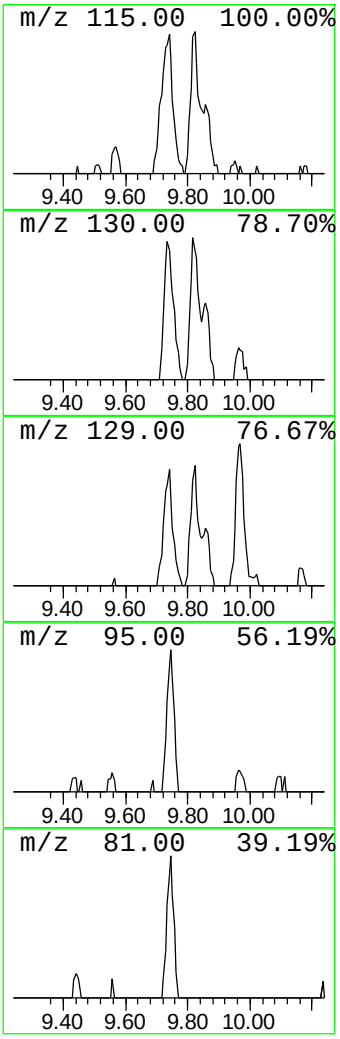
Peak Number 7 Benzene, 1-butynyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.74	7.07 ng/ul	154622	Naphthalene-d8	10.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-butynyl-	130	C10H10	000622-76-4	76
2	Benzene, 1-butynyl-	130	C10H10	000622-76-4	70
3	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	70
4	2-Methylindene	130	C10H10	002177-47-1	70
5	Benzene, 1,3-butadienyl-	130	C10H10	001515-78-2	70





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Instrument : BNA_M
ClientSampleId : C0AD4

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Quant Title : SVOA CALIBRATION

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

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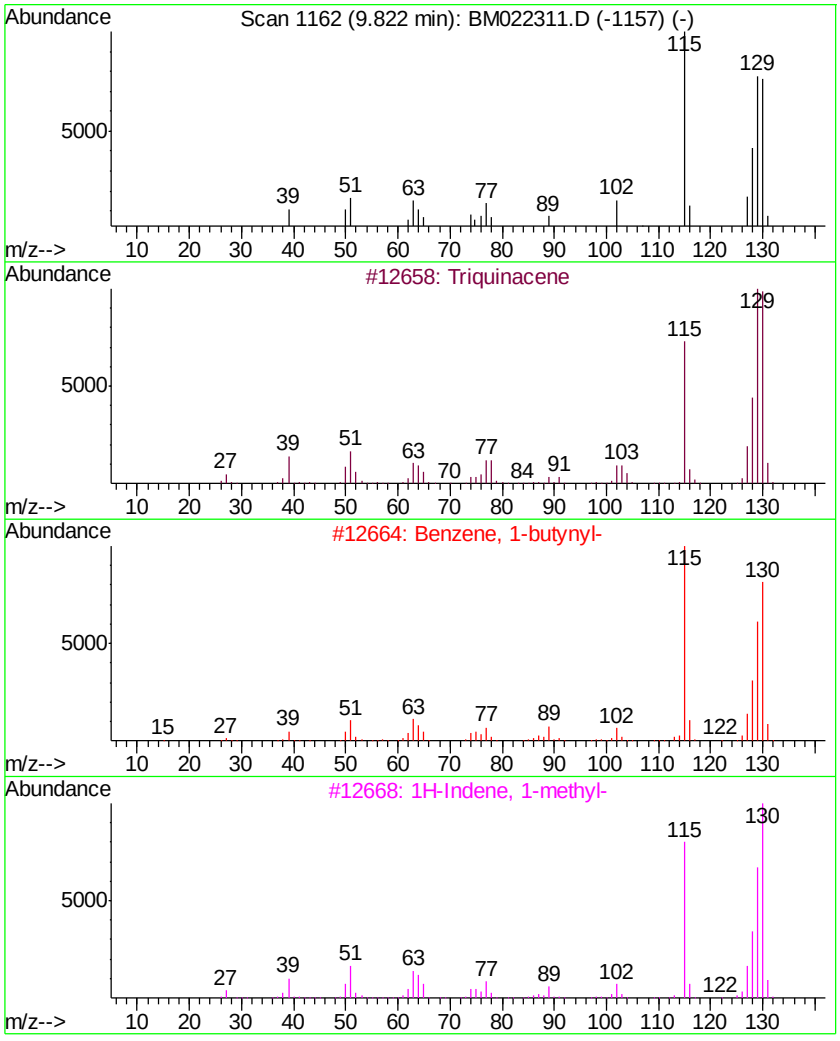
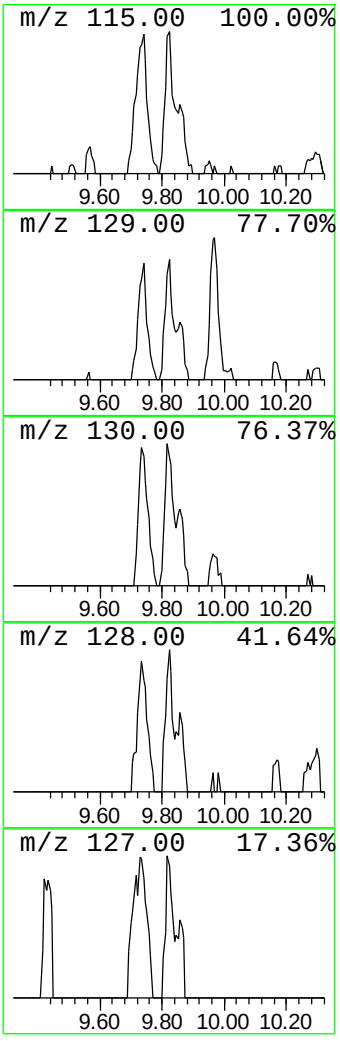
Peak Number 8 Triquinacene Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.82	2.44 ng/ul	53473	Naphthalene-d8	10.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triquinacene	130	C10H10	006053-74-3	93
2	Benzene, 1-butynyl-	130	C10H10	000622-76-4	93
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	93
4	2-Methylindene	130	C10H10	002177-47-1	90
5	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	90





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ClientSampleId : C0AD4

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Quant Title : SVOA CALIBRATION

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

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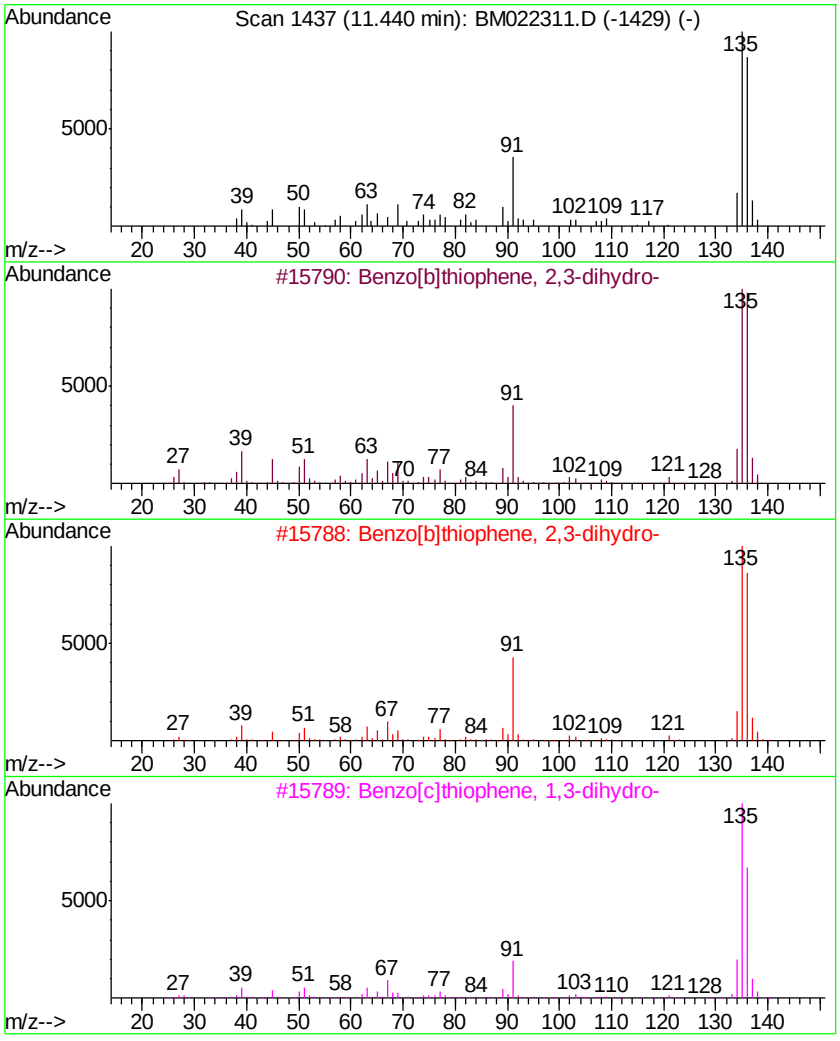
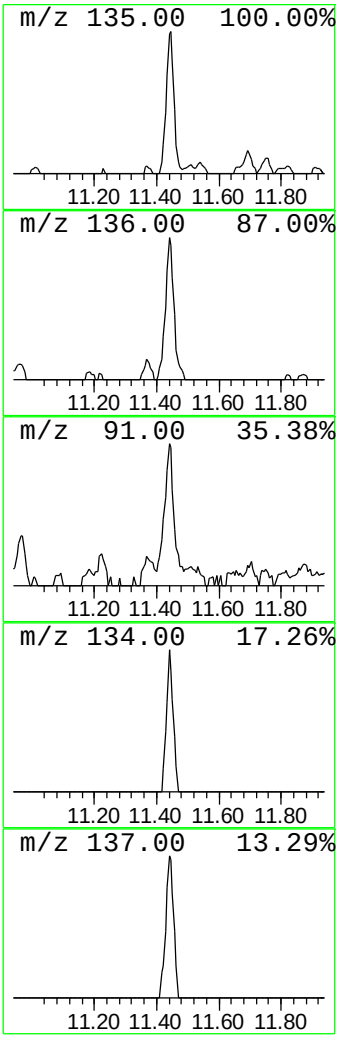
Peak Number 9 Benzo[b]thiophene, 2,3-dihy... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.44	7.33 ng/ul	160347	Naphthalene-d8	10.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 2,3-dihydro-	136	C8H8S	004565-32-6	94
2	Benzo[b]thiophene, 2,3-dihydro-	136	C8H8S	004565-32-6	90
3	Benzo[c]thiophene, 1,3-dihydro-	136	C8H8S	002471-92-3	80
4	2,3-Dimethyl-5-ethylpyrazine	136	C8H12N2	015707-34-3	64
5	2-Hydroxy-5-methylbenzaldehyde	136	C8H8O2	000613-84-3	64





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Quant Title : SVOA CALIBRATION

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

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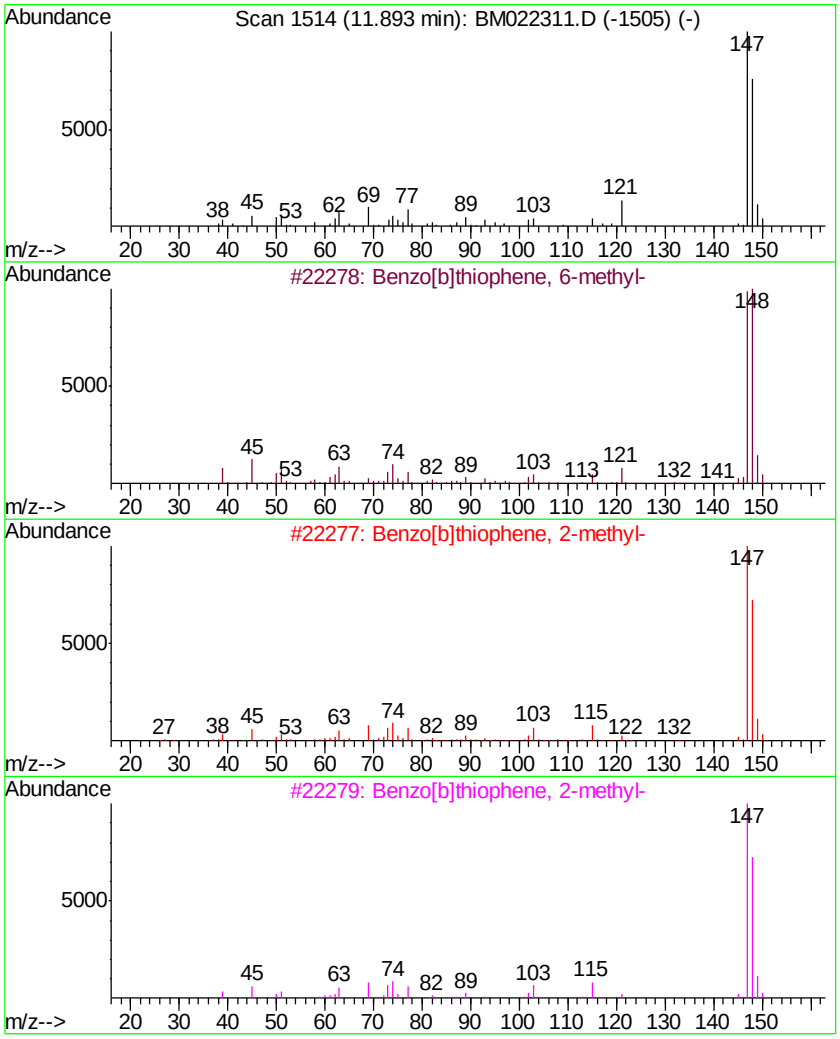
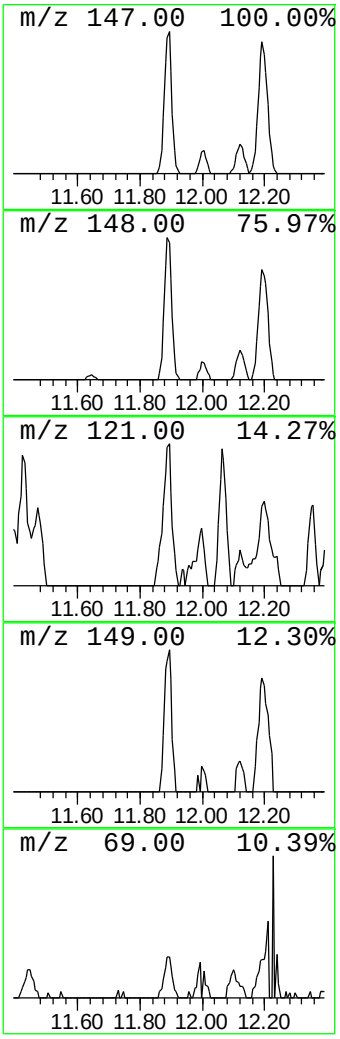
Peak Number 10 Benzo[b]thiophene, 6-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	6.78 ng/ul	148421	Naphthalene-d8	10.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	94
2	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	87
3	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	86
4	3-Methylbenzothiophene	148	C9H8S	001455-18-1	80
5	Benzaldehyde, 2,4,6-trimethyl-	148	C10H12O	000487-68-3	78





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Quant Title : SVOA CALIBRATION

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

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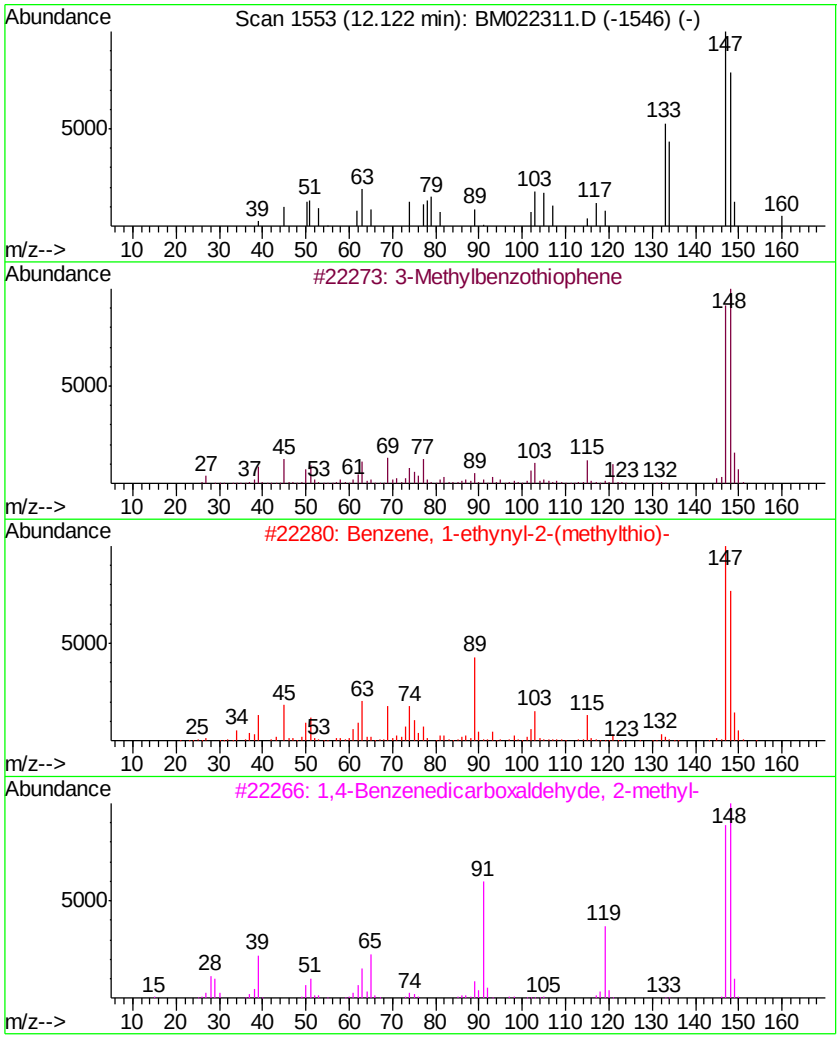
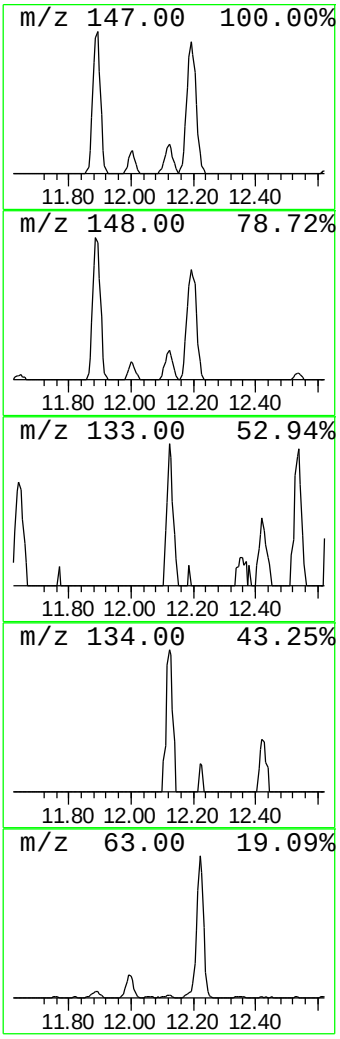
Peak Number 11 3-Methylbenzothiophene Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	2.49 ng/ul	54587	Naphthalene-d8	10.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylbenzothiophene	148	C9H8S	001455-18-1	60
2	Benzene, 1-ethynyl-2-(methylthio)-	148	C9H8S	078905-08-5	52
3	1,4-Benzenedicarboxaldehyde, 2-m...	148	C9H8O2	027587-17-3	47
4	Benzaldehyde, 2,4,5-trimethyl-	148	C10H12O	005779-72-6	47
5	trans-Cinnamic acid	148	C9H8O2	000140-10-3	47





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ClientSampleId : C0AD4

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Quant Title : SVOA CALIBRATION

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

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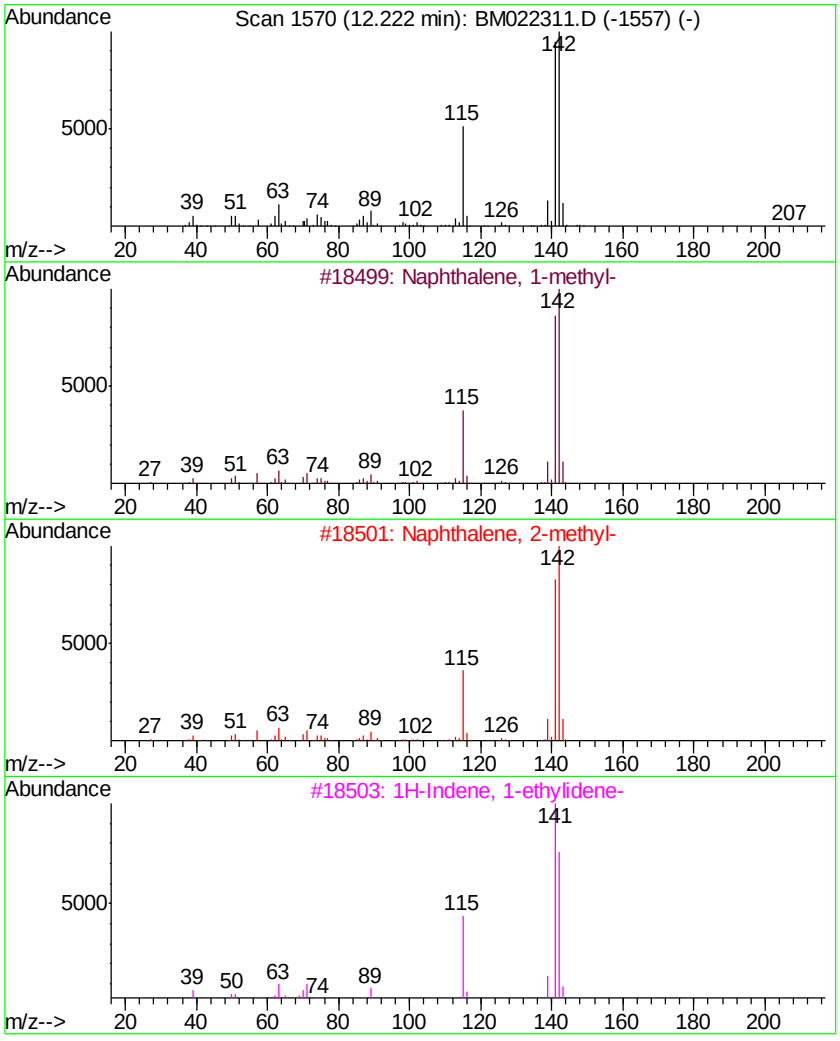
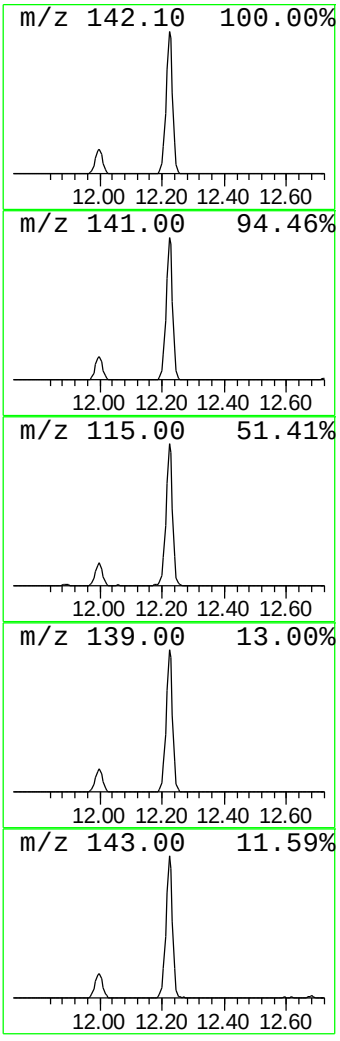
Peak Number 12 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	117.25 ng/ul	2566080	Naphthalene-d8	10.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	94
4	Benzocycloheptatriene	142	C11H10	000264-09-5	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93





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ClientSampleId : C0AD4

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

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Peak Number 13 Naphthalene, 1-ethyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.23	2.50 ng/ul	97350	Acenaphthene-d10	14.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	91
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	91
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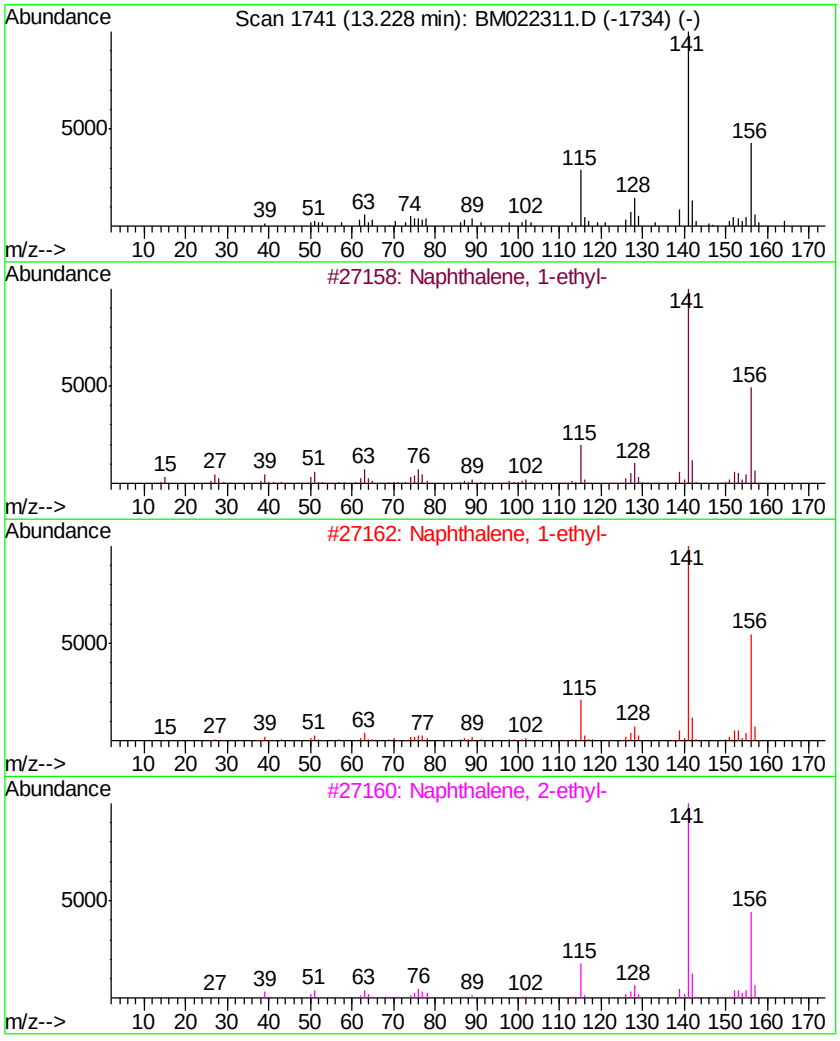

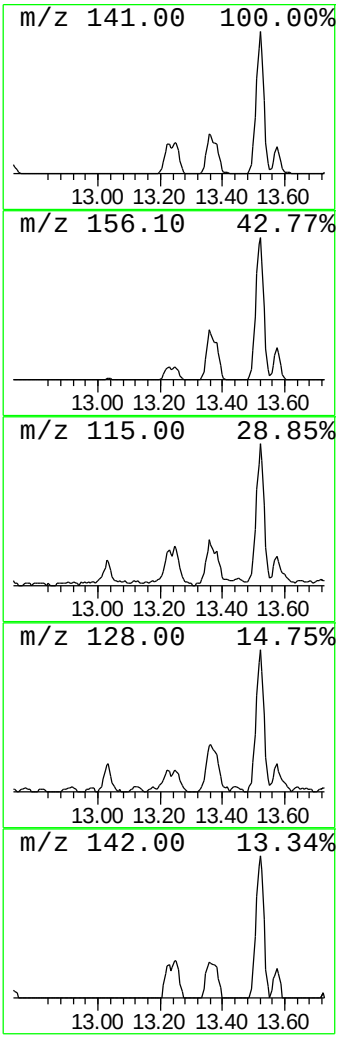

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Quant Title : SVOA CALIBRATION

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

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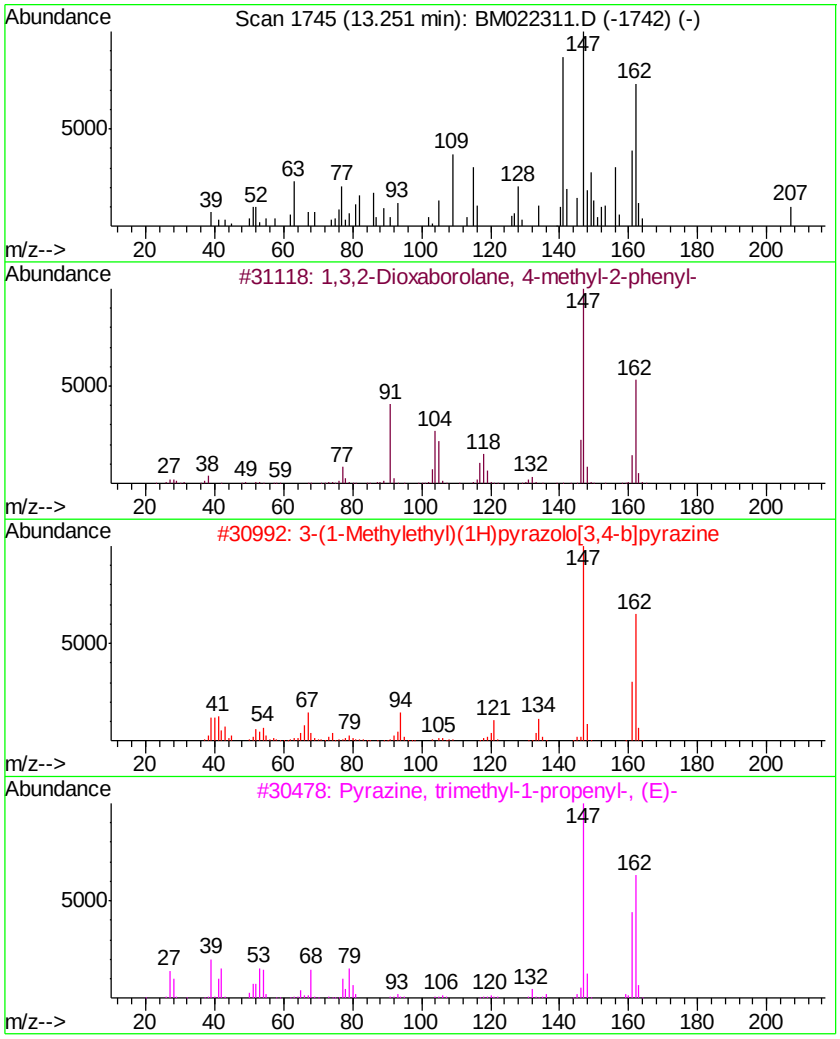
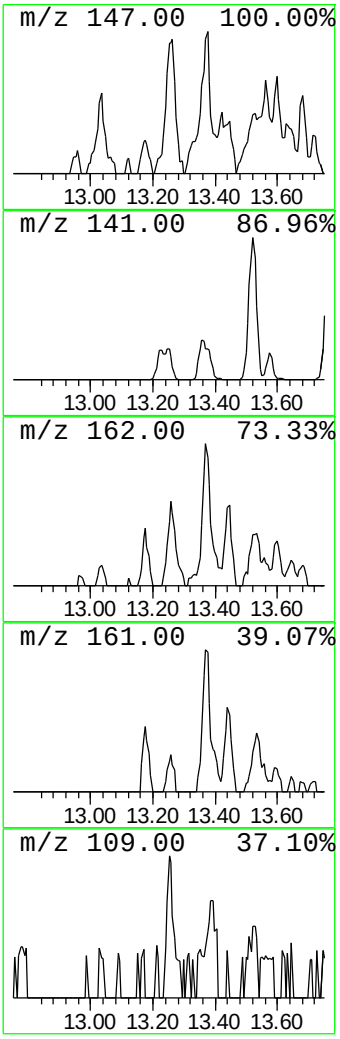
Peak Number 14 unknown-01 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	3.45 ng/ul	134414	Acenaphthene-d10	14.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,2-Dioxaborolane, 4-methyl-2-...	162	C9H11BO2	004406-75-1	38
2	3-(1-Methylethyl)(1H)pyrazolo[3,...	162	C8H10N4	1000108-62-9	38
3	Pyrazine, trimethyl-1-propenyl-,...	162	C10H14N2	055138-79-9	38
4	3H-Indazol-3-one, 1-ethyl-1,2-di...	162	C9H10N2O	054385-62-5	30
5	Benzene, 1-(1,1-dimethylethyl)-3...	162	C12H18	000098-19-1	30





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Quant Title : SVOA CALIBRATION

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

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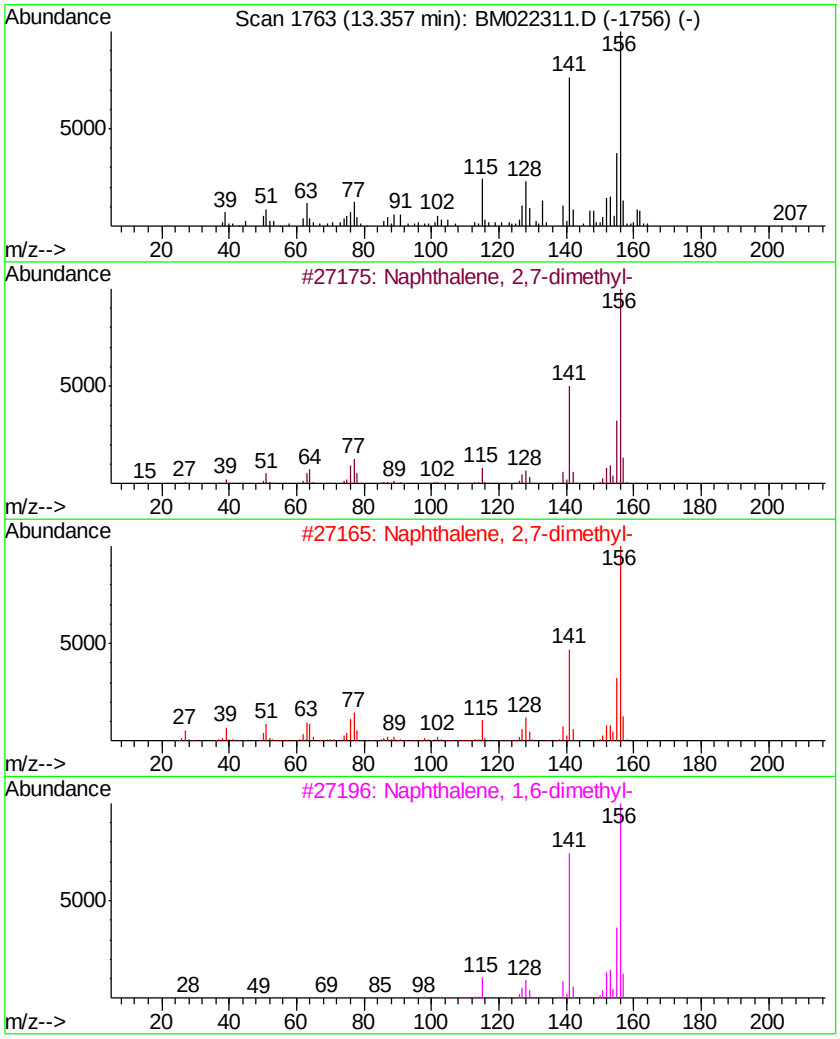
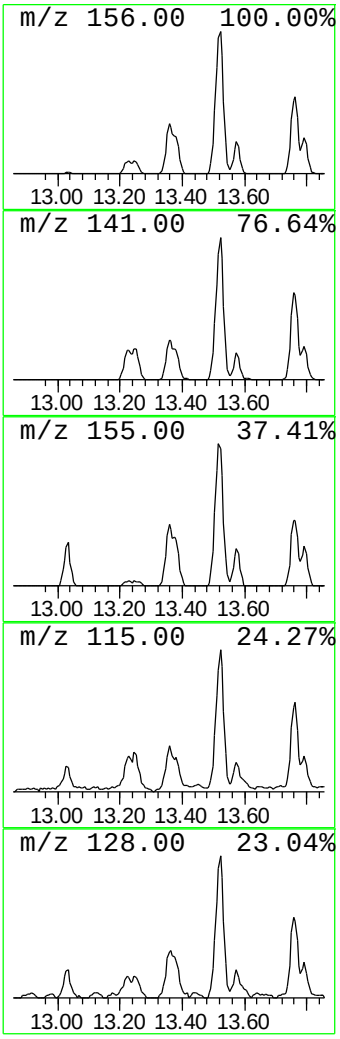
Peak Number 15 Naphthalene, 2,7-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.36	10.86 ng/ul	423727	Acenaphthene-d10	14.21

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





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Quant Title : SVOA CALIBRATION

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

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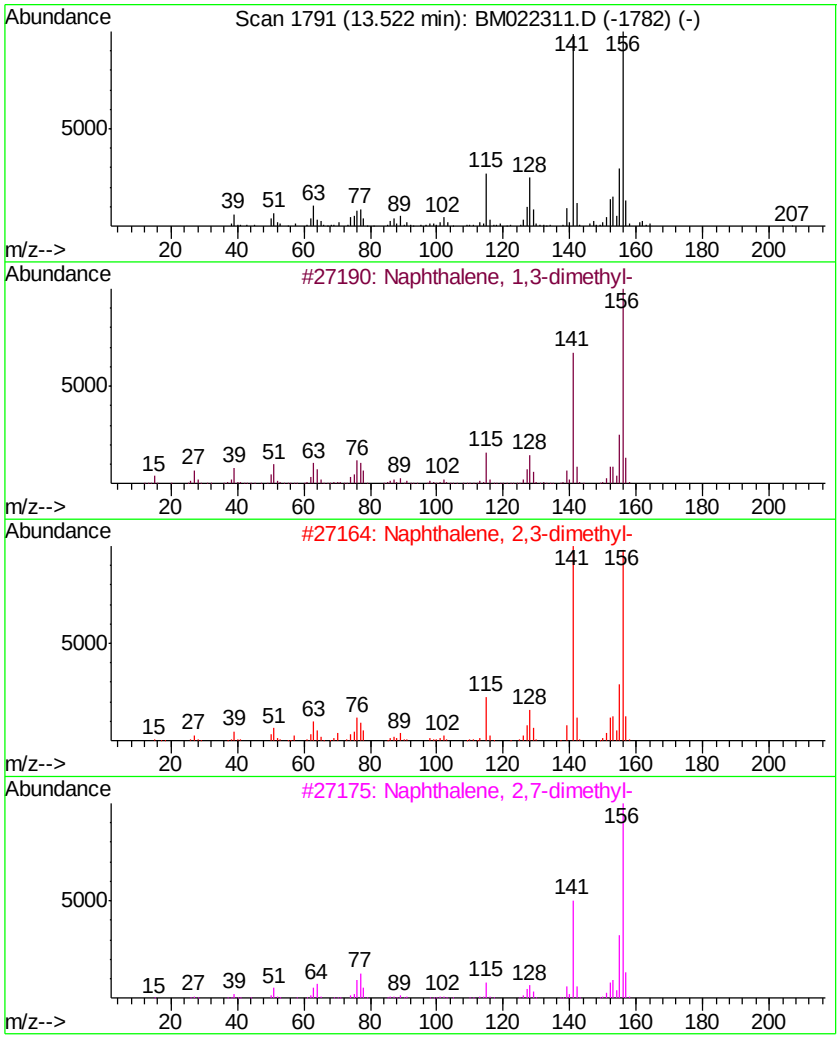
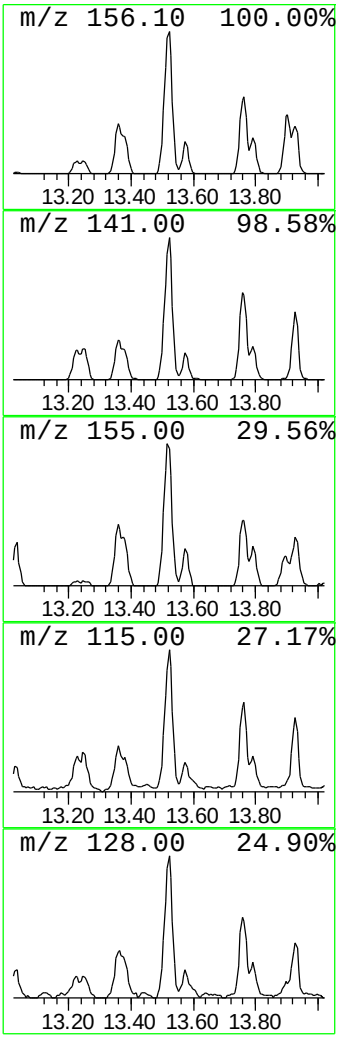
Peak Number 16 Naphthalene, 1,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	19.38 ng/ul	755745	Acenaphthene-d10	14.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95





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ClientSampleId : C0AD4

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Quant Title : SVOA CALIBRATION

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

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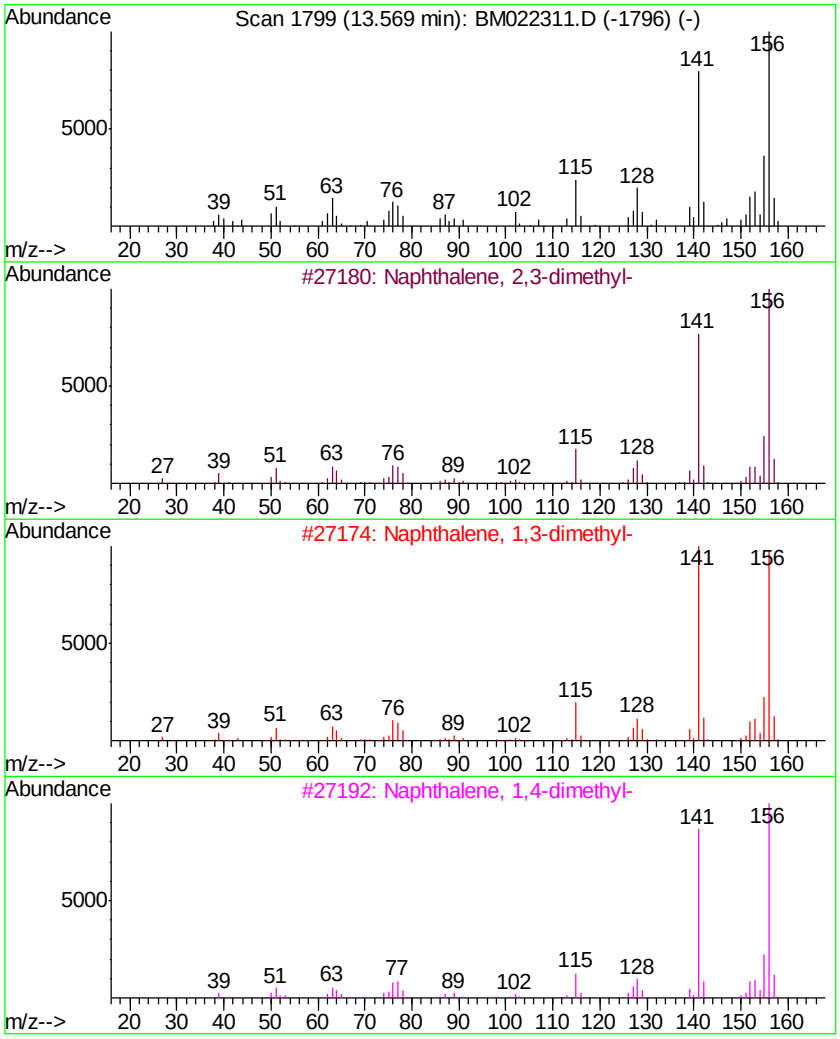
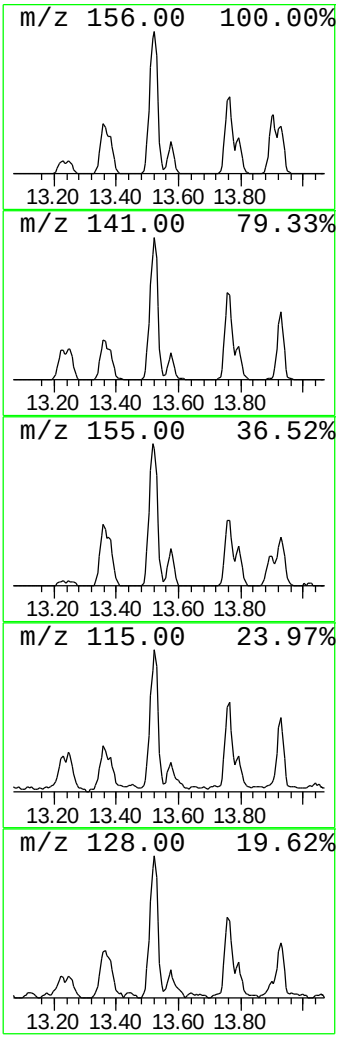
Peak Number 17 Naphthalene, 2,3-dimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.57	3.43 ng/ul	133784	Acenaphthene-d10	14.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95





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

Instrument : BNA_M
ClientSampleId : C0AD4

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Quant Title : SVOA CALIBRATION

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

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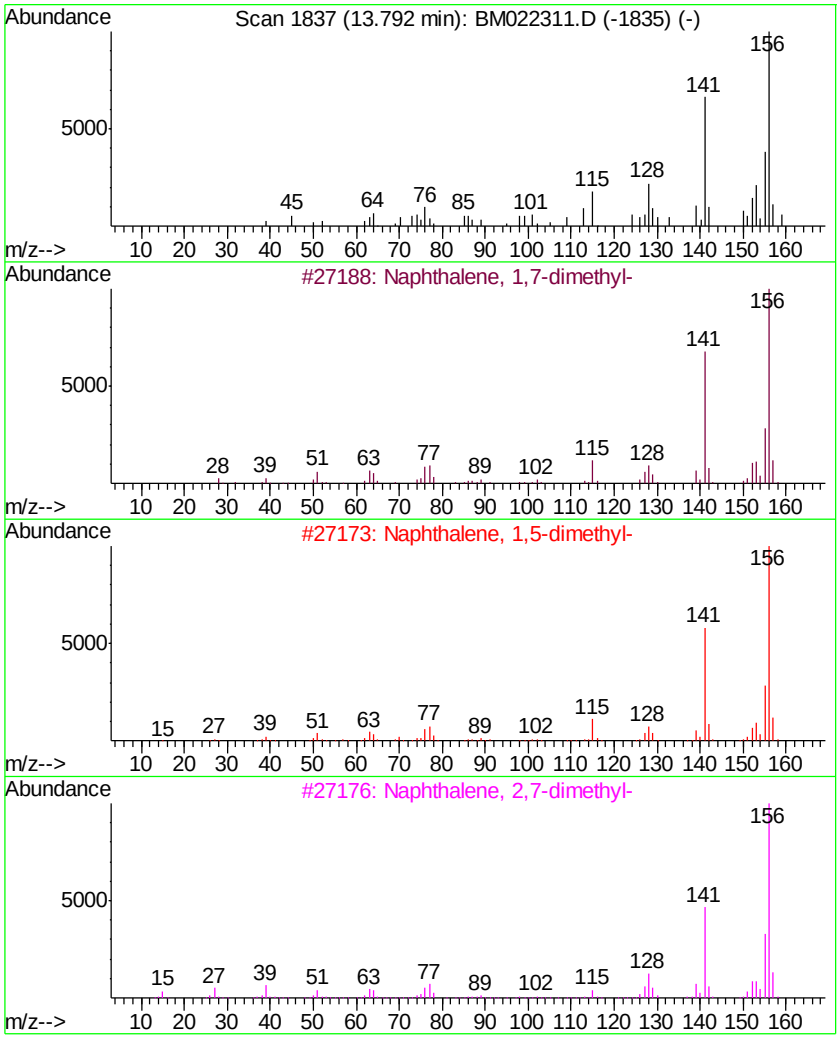
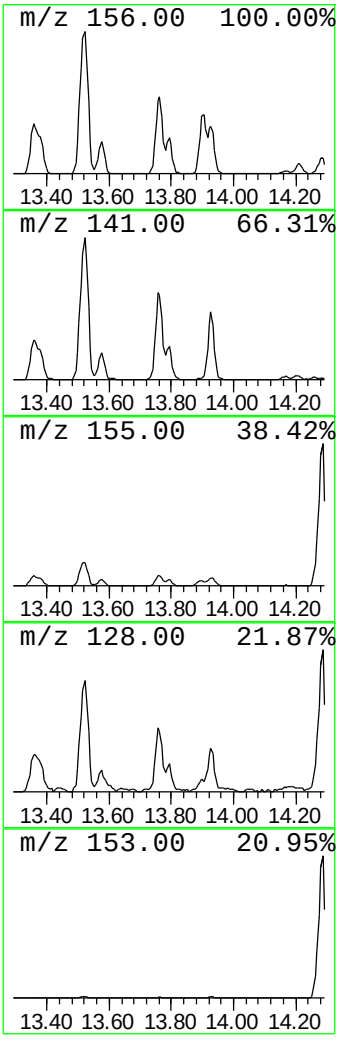
Peak Number 19 Naphthalene, 1,7-dimethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	3.24 ng/ul	126564	Acenaphthene-d10	14.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	94
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	93
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	93
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	92





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ClientSampleId : C0AD4

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Quant Title : SVOA CALIBRATION

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

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Peak Number 20 2-Naphthalenecarbonitrile Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.37	5.13 ng/ul	200279	Acenaphthene-d10	14.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	94
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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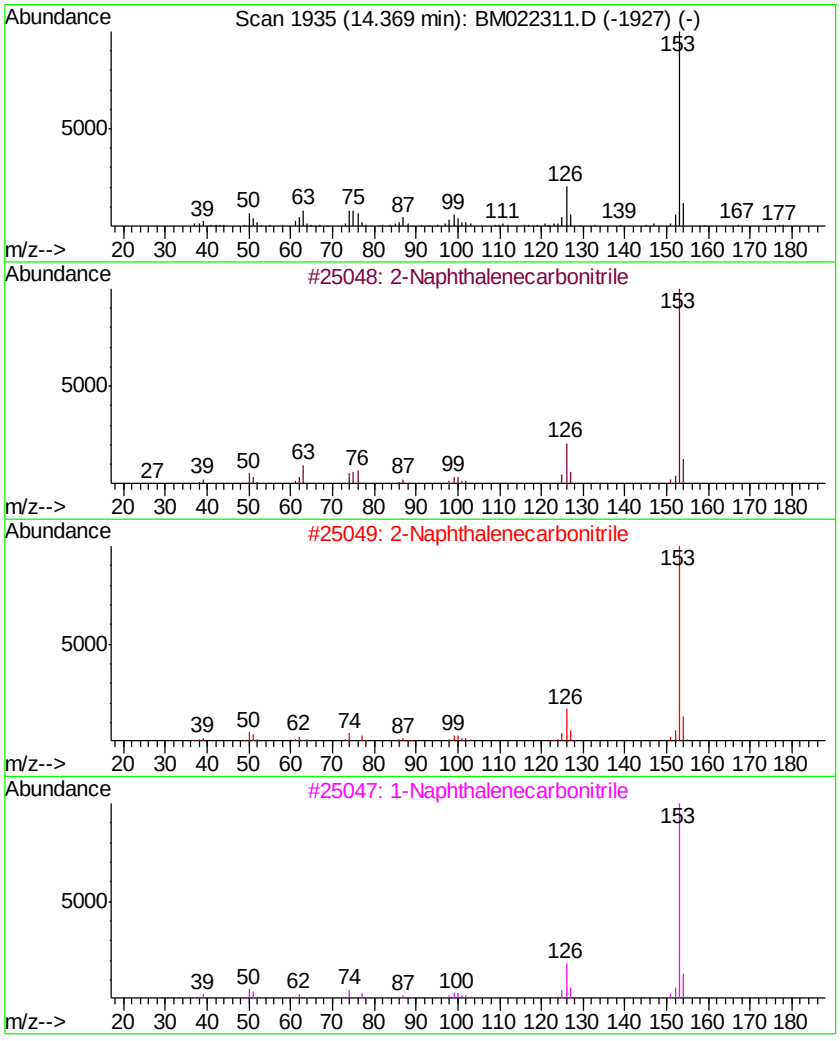

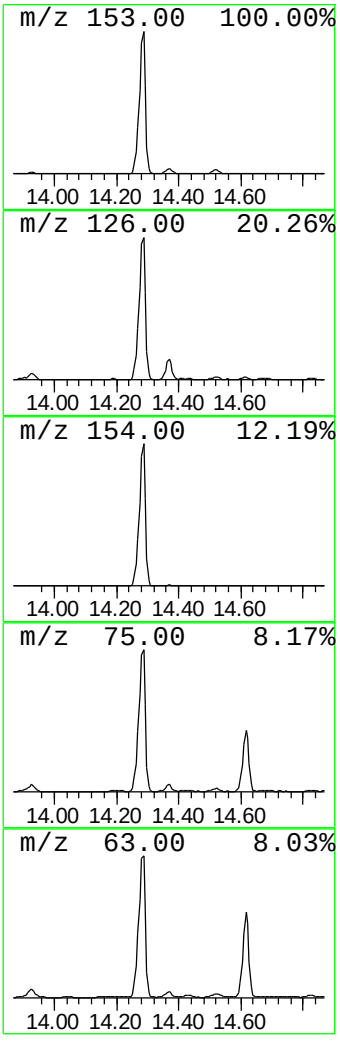

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ClientSampleId : C0AD4

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Quant Title : SVOA CALIBRATION

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

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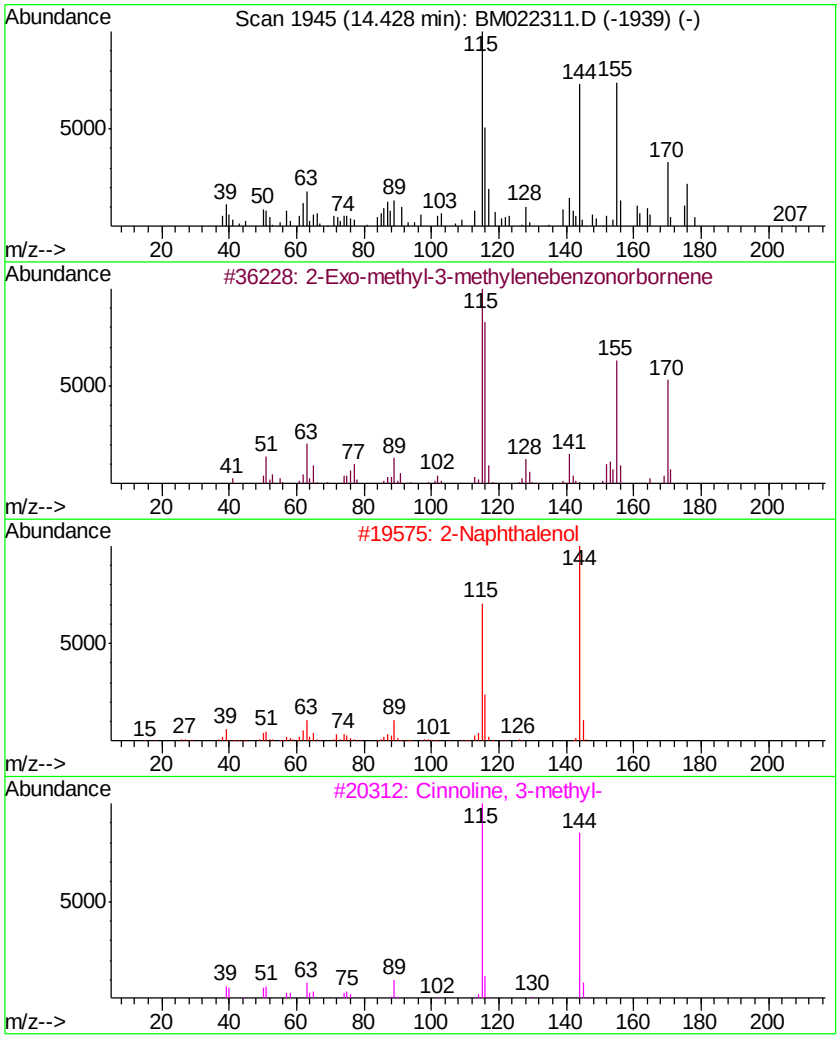
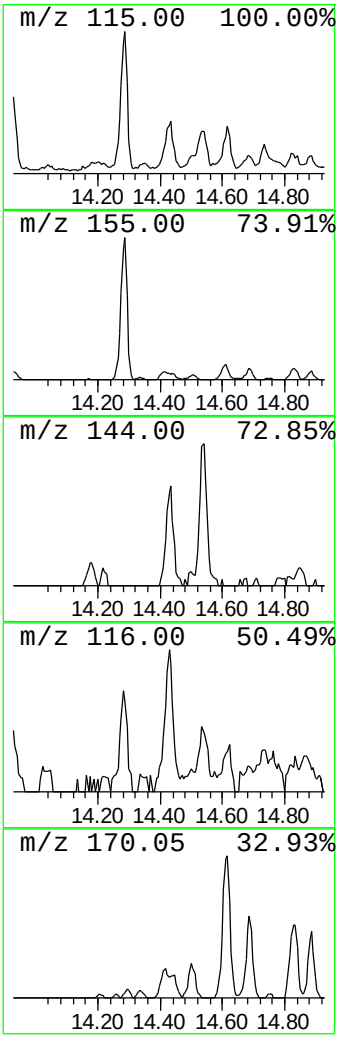
Peak Number 21 unknown-02 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	3.29 ng/ul	128351	Acenaphthene-d10	14.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Exo-methyl-3-methylenebenzonor...	170	C13H14	151123-60-3	38
2	2-Naphthalenol	144	C10H8O	000135-19-3	32
3	Cinnoline, 3-methyl-	144	C9H8N2	017372-78-0	30
4	Furan, 3-phenyl-	144	C10H8O	013679-41-9	25
5	Malononitrile, furfurylidene-	144	C8H4N2O	003237-22-7	25





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ClientSampleId : C0AD4

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Quant Title : SVOA CALIBRATION

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

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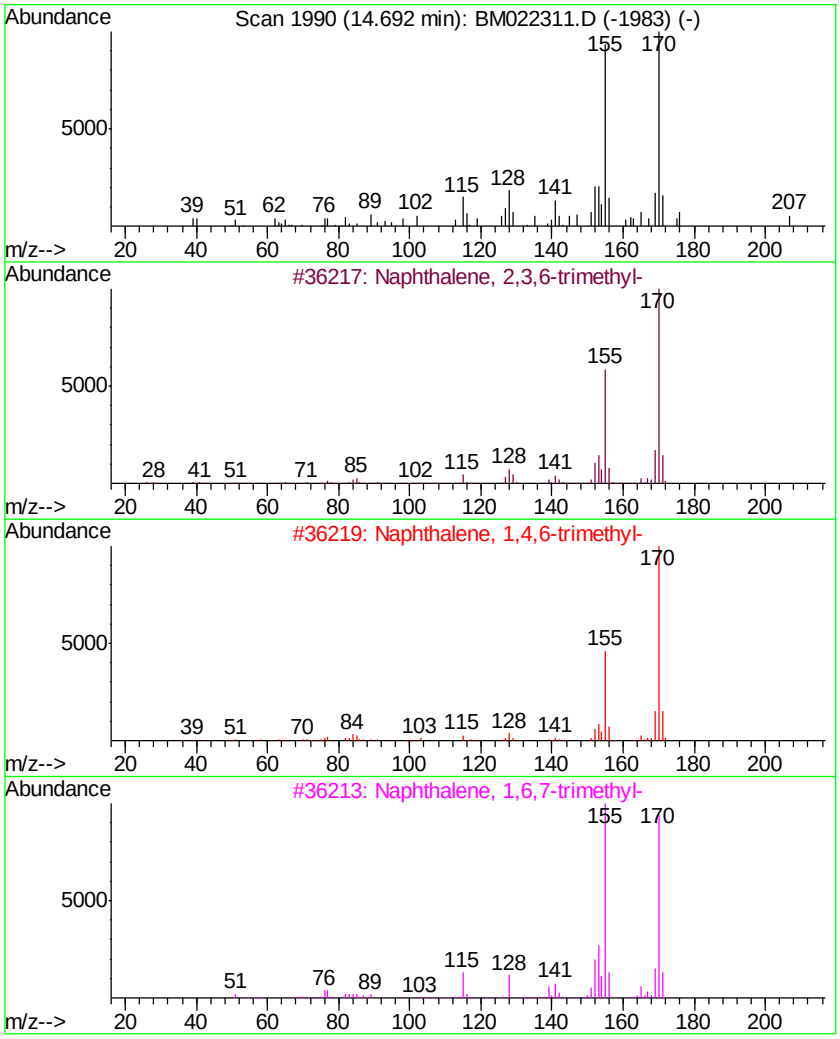
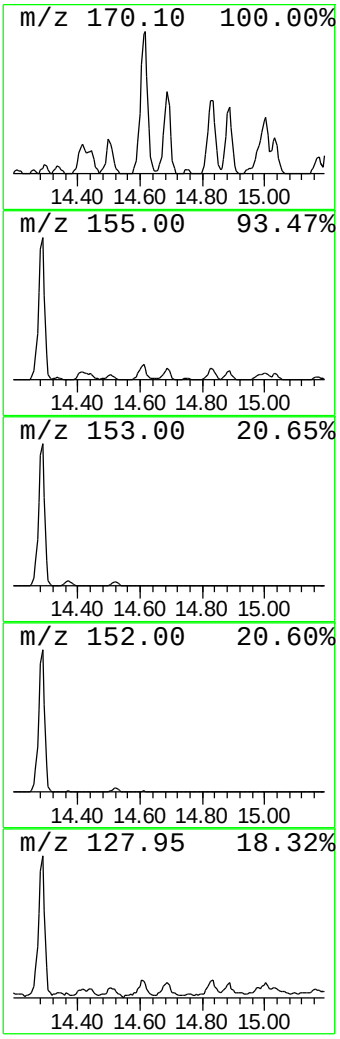
Peak Number 22 Naphthalene, 2,3,6-trimethyl- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	2.20 ng/ul	85922	Acenaphthene-d10	14.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94





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Instrument : BNA_M
ClientSampleId : C0AD4

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Quant Title : SVOA CALIBRATION

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

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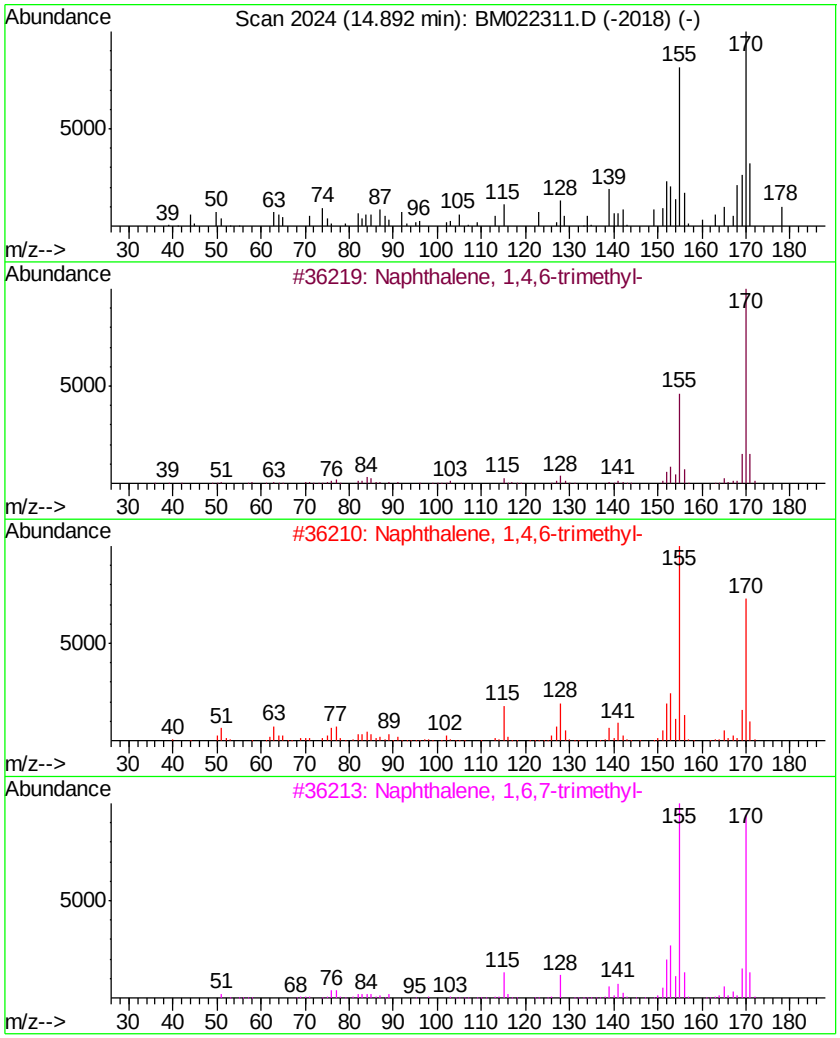
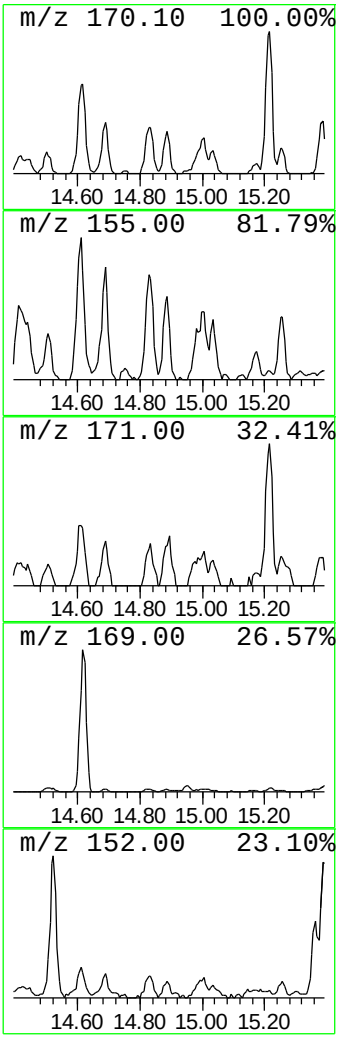
Peak Number 24 Naphthalene, 1,4,6-trimethyl- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	2.22 ng/ul	86507	Acenaphthene-d10	14.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94





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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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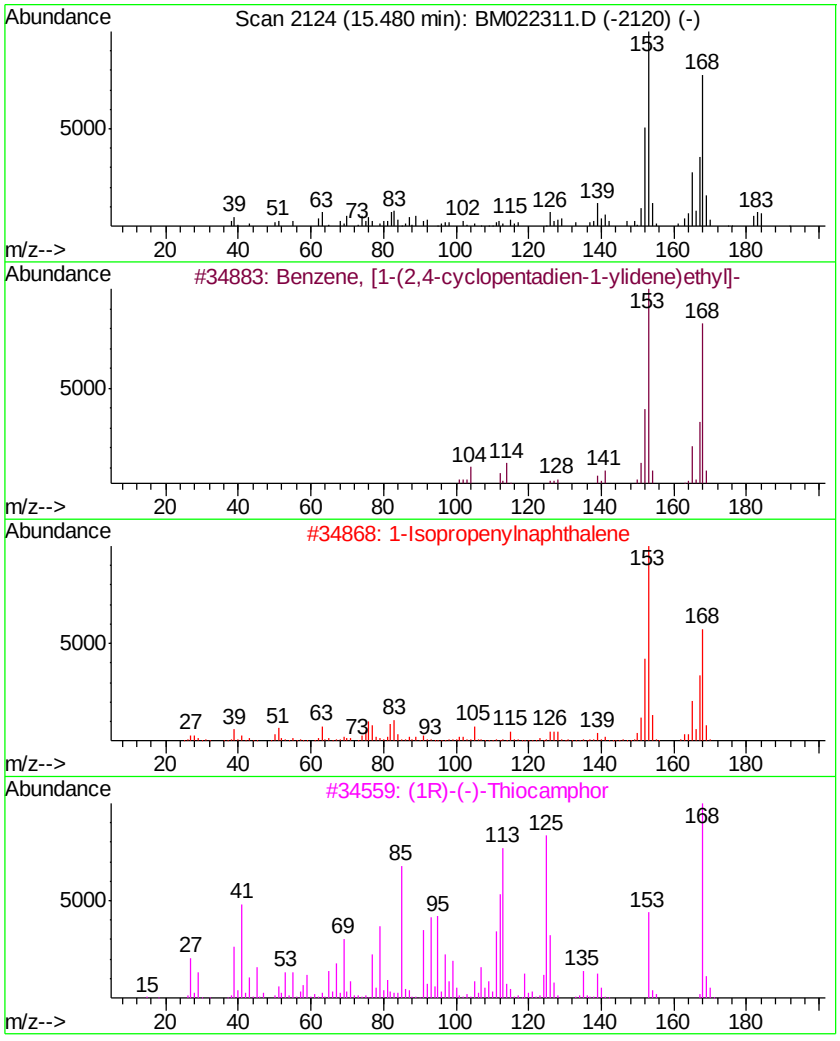
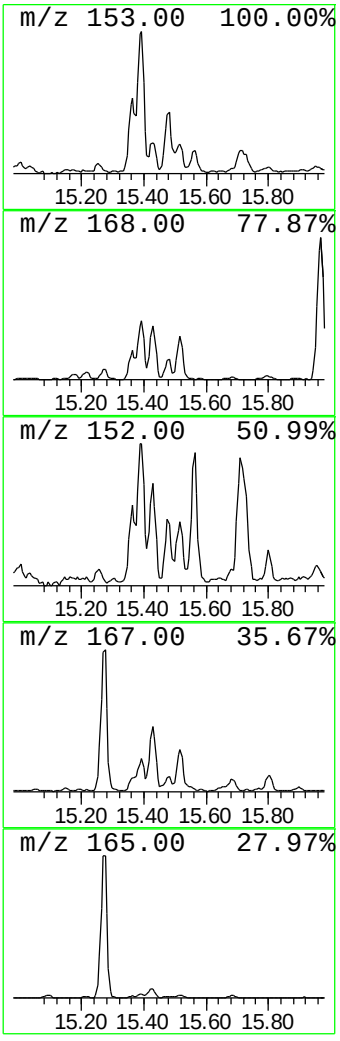
Peak Number 25 Benzene, [1-(2,4-cyclopenta... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.48	2.92 ng/ul	113971	Acenaphthene-d10	14.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	90
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	81
3	(1R)-(-)-Thiocamphor	168	C10H16S	053402-10-1	64
4	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	53
5	5-Acetyl-2-methyl-3-thiophenecar...	168	C8H8O2S	090345-55-4	47





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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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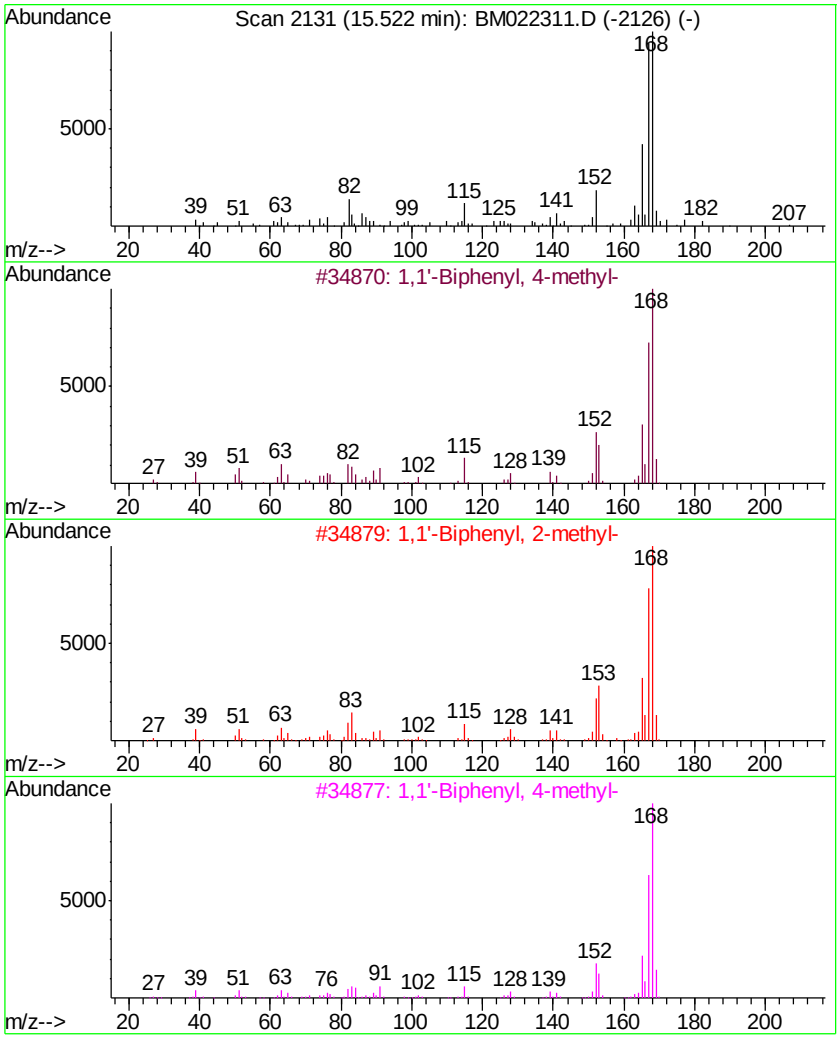
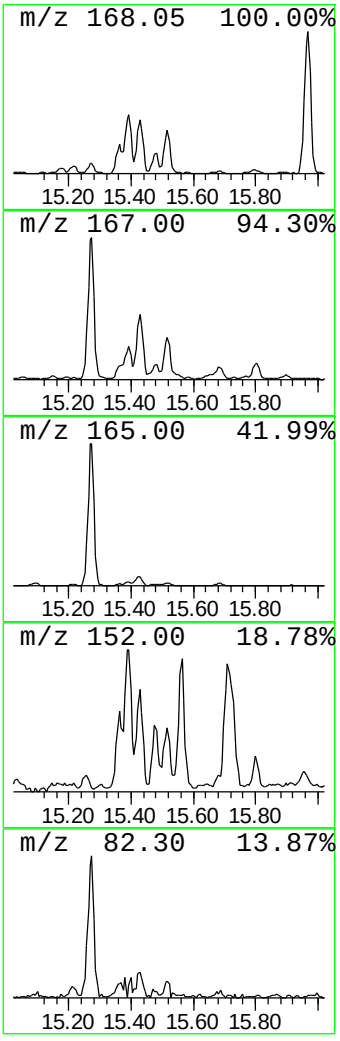
Peak Number 26 1,1'-Biphenyl, 4-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.52	4.57 ng/ul	178180	Acenaphthene-d10	14.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	81
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	64
3	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	64
4	Diphenylmethane	168	C13H12	000101-81-5	64
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	59





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ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD4

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Quant Title : SVOA CALIBRATION

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

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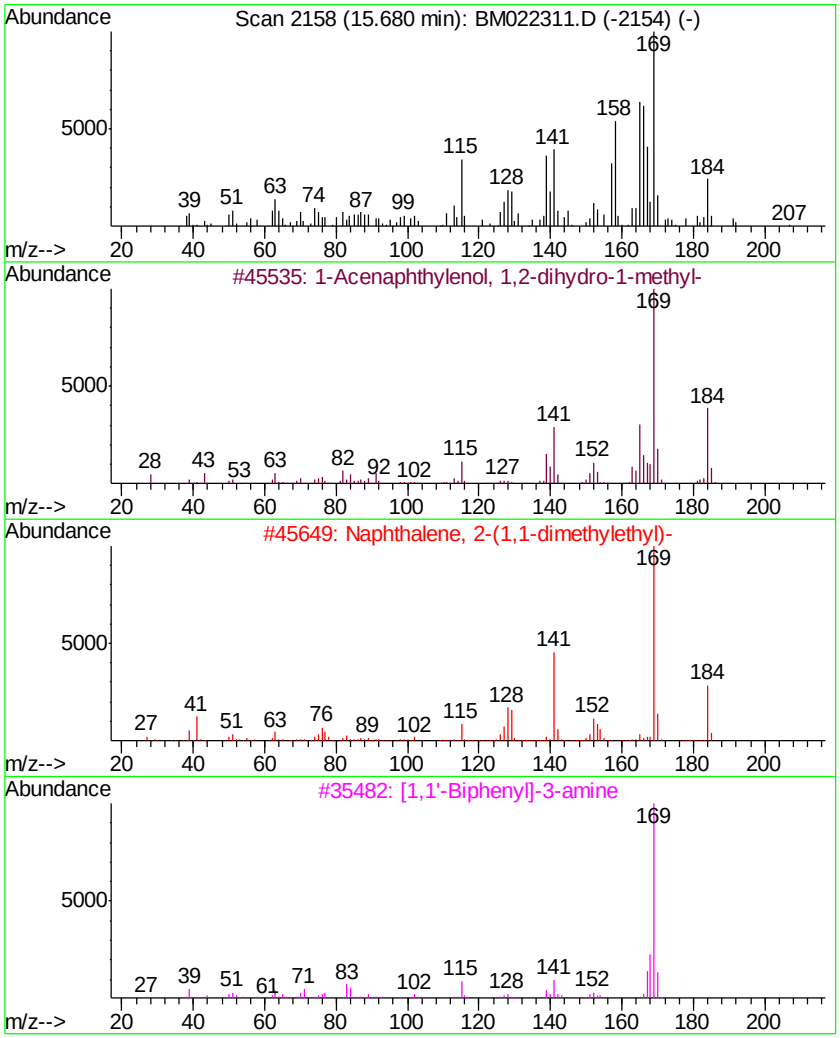
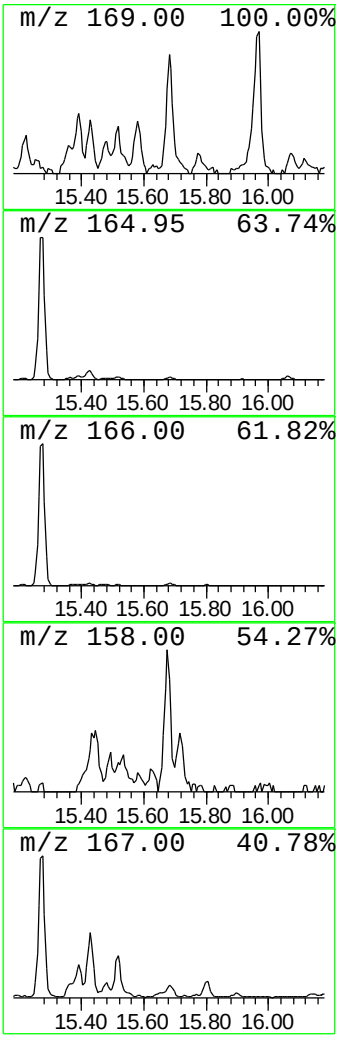
Peak Number 28 1-Acenaphthylenol, 1,2-dihy... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	2.47 ng/ul	115445	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Acenaphthylenol, 1,2-dihydro-1...	184	C13H12O	041002-74-8	53
2	Naphthalene, 2-(1,1-dimethylethyl)-	184	C14H16	002876-35-9	52
3	[1,1'-Biphenyl]-3-amine	169	C12H11N	002243-47-2	38
4	4-(4-Methylphenyl)pyridine	169	C12H11N	004423-10-3	35
5	[1,1'-Biphenyl]-3-amine	169	C12H11N	002243-47-2	30





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Quant Title : SVOA CALIBRATION

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

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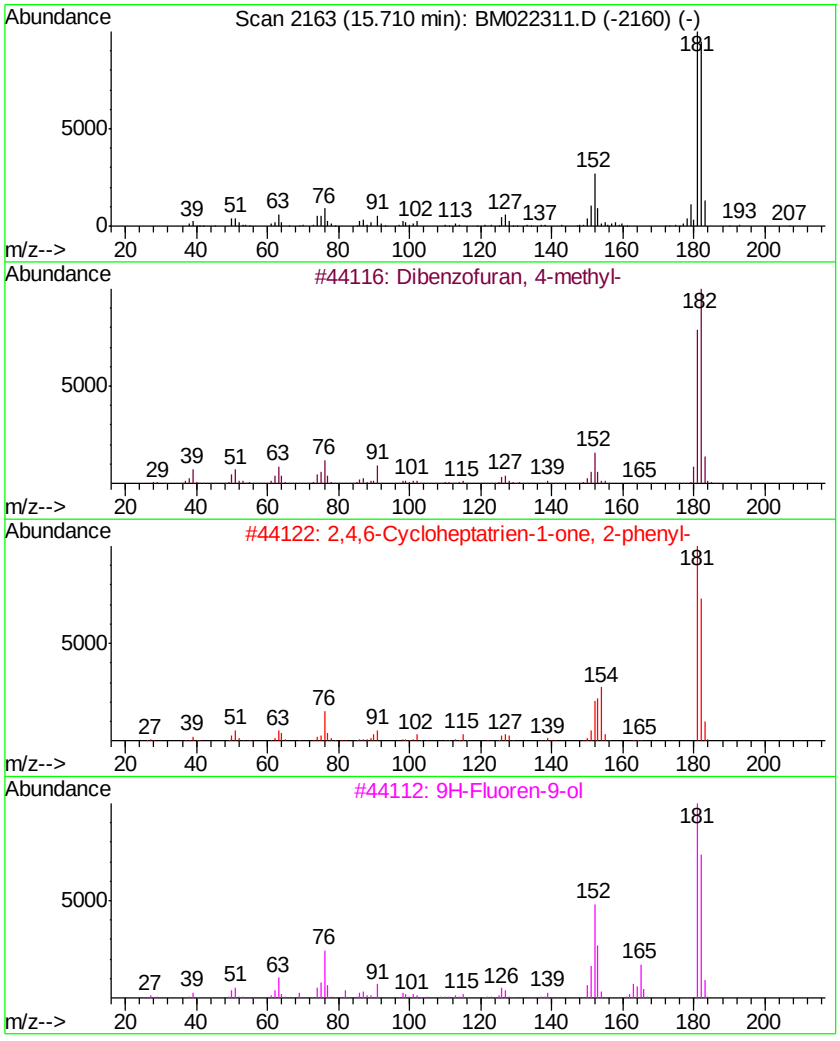
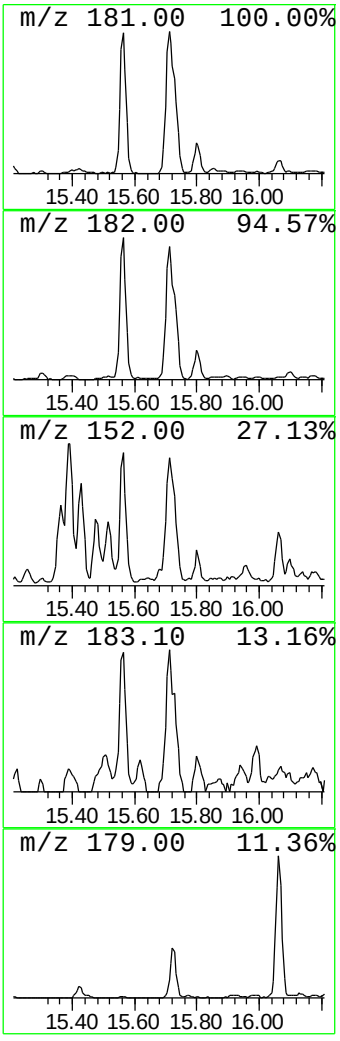
Peak Number 29 Dibenzofuran, 4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.71	9.27 ng/ul	433155	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	68
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	64





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Quant Title : SVOA CALIBRATION

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

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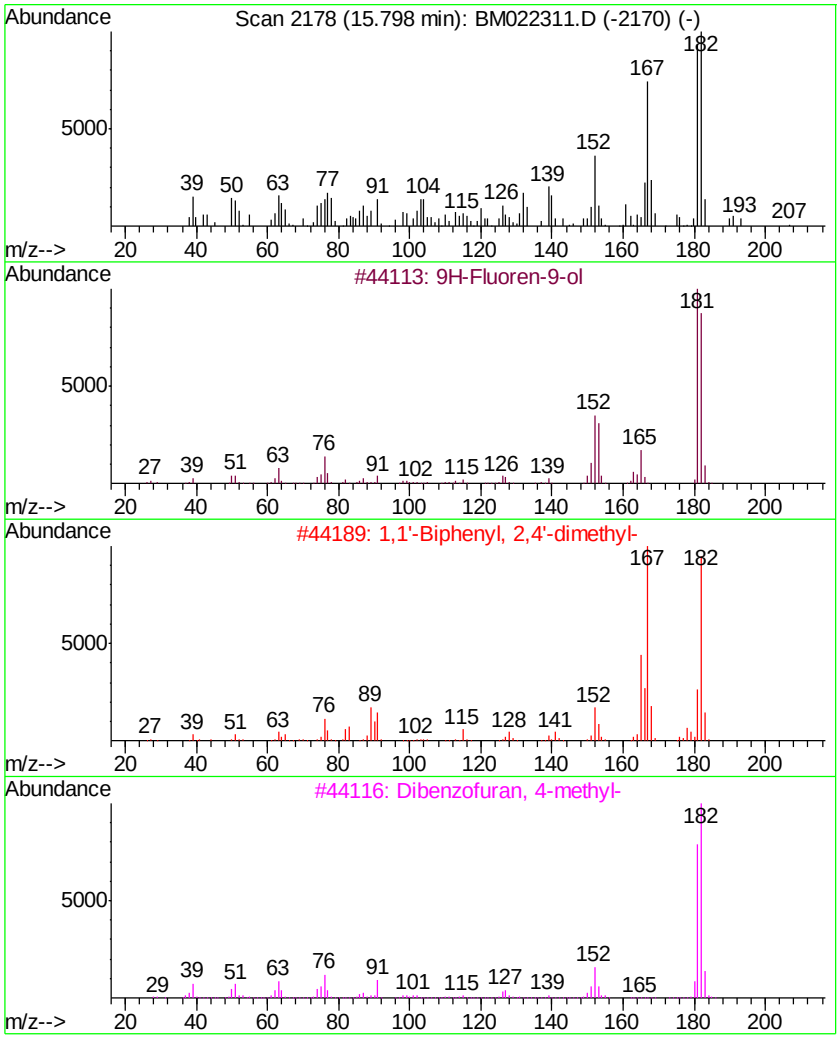
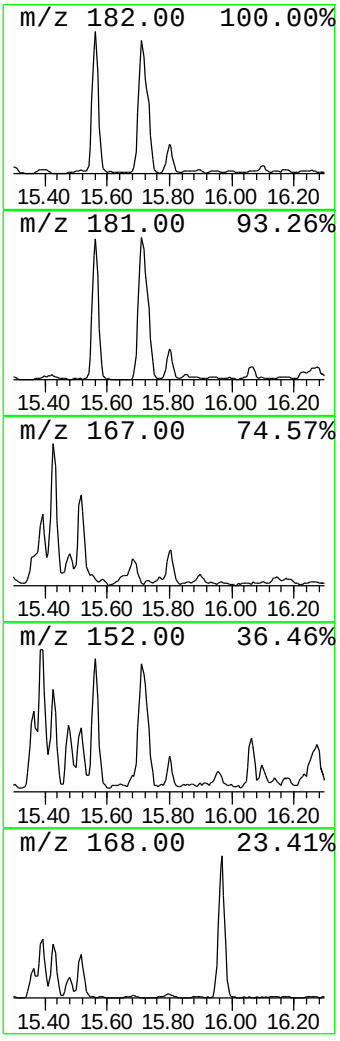
Peak Number 30 9H-Fluoren-9-ol Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.80	3.38 ng/ul	157907	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	70
2	1,1'-Biphenyl, 2,4'-dimethyl-	182	C14H14	000611-61-0	64
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	55
4	1-Methyl-1,6-diazaplenalene	182	C12H10N2	079691-99-9	55
5	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	52





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Quant Title : SVOA CALIBRATION

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

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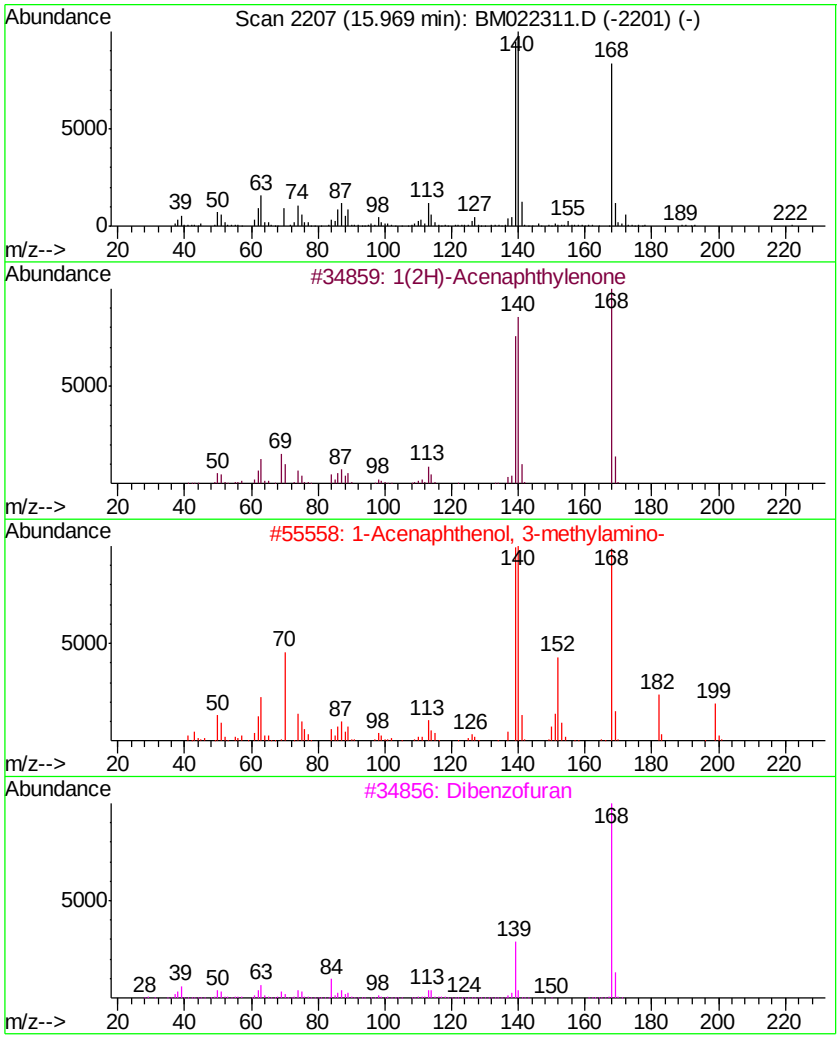
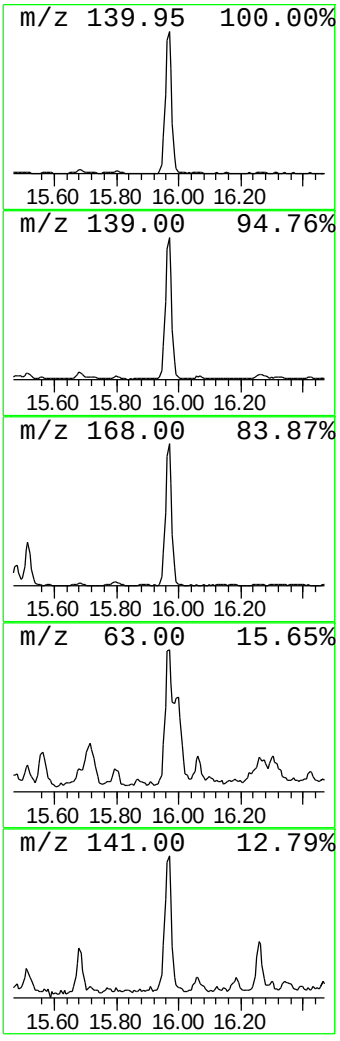
Peak Number 31 1(2H)-Acenaphthylenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	16.62 ng/ul	777012	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	93
2	1-Acenaphthenol, 3-methylamino-	199	C13H13NO	1000129-22-6	90
3	Dibenzofuran	168	C12H8O	000132-64-9	53
4	Dibenzofuran	168	C12H8O	000132-64-9	53
5	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	49





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
Data File : BM022311.D
Acq On : 25 Aug 2019 02:57
Operator : HP/JU
Sample : K4373-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD4

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

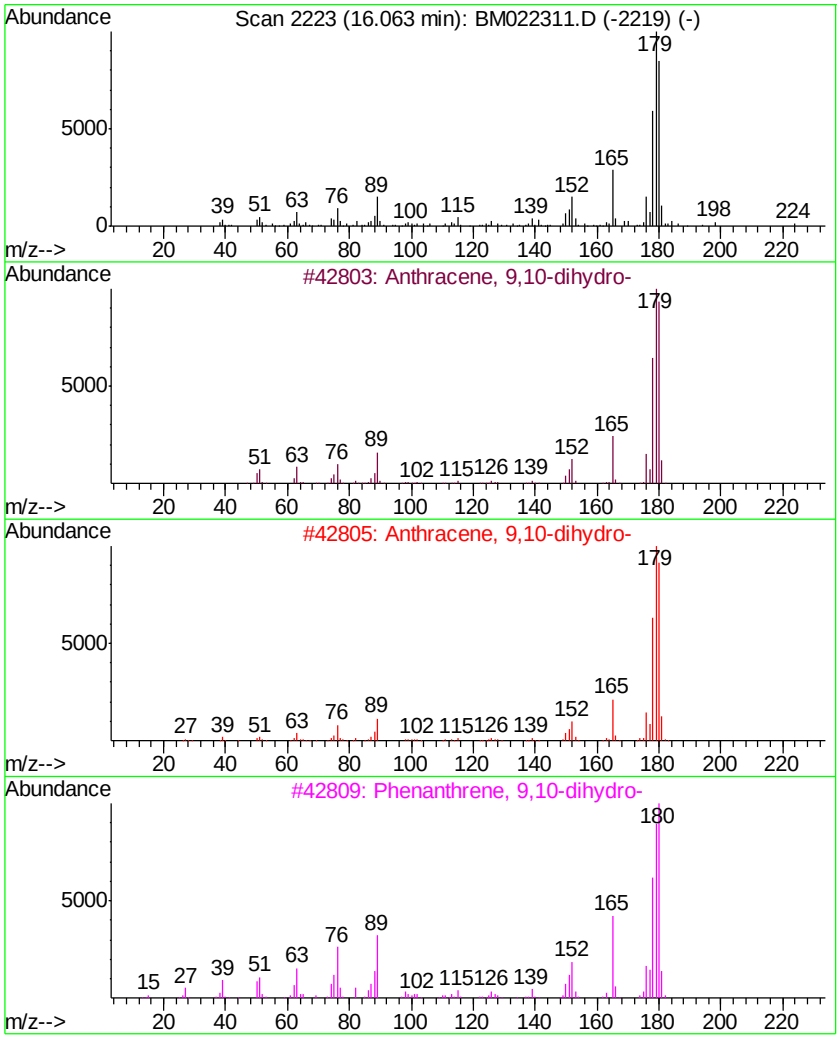
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

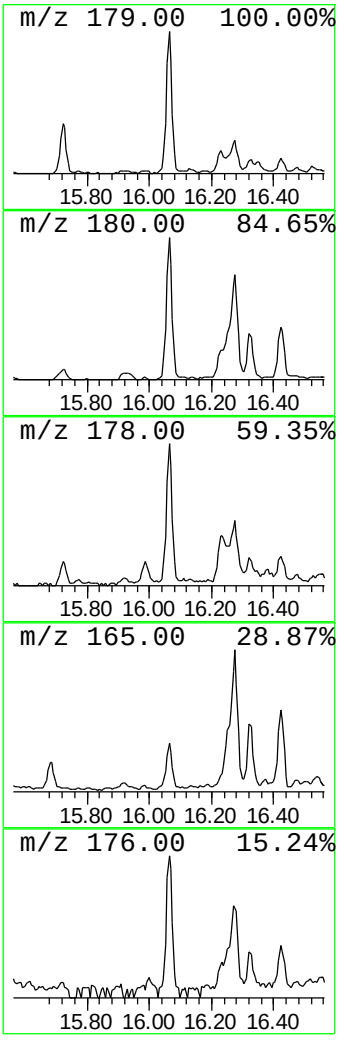
****

Peak Number 32 Anthracene, 9,10-dihydro- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	4.14 ng/ul	193439	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
2	Anthracene, 9,10-dihydro-	180	C14H12	000613-31-0	96
3	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	89
4	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	83
5	(E)-Stilbene	180	C14H12	000103-30-0	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM082319\
Data File : BM022311.D
Acq On : 25 Aug 2019 02:57
Operator : HP/JU
Sample : K4373-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AD4

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	29.9	ng/ul	406462	1	7.55	272026	20.0
Indene	8.08	5.7	ng/ul	77693	1	7.55	272026	20.0
Benzene, 4-ethyl-...	8.63	2.2	ng/ul	30392	1	7.55	272026	20.0
Benzofuran, 7-met...	8.89	4.0	ng/ul	54037	1	7.55	272026	20.0
Phenol, 2,5-dimet...	8.98	3.1	ng/ul	68002	2	10.33	437704	20.0
Benzopyrimidine, ...	9.02	3.1	ng/ul	67675	2	10.33	437704	20.0
Benzene, 1-butynyl-	9.74	7.1	ng/ul	154622	2	10.33	437704	20.0
Triquinacene	9.82	2.4	ng/ul	53473	2	10.33	437704	20.0
Benzo[b]thiophene...	11.44	7.3	ng/ul	160347	2	10.33	437704	20.0
Benzo[b]thiophene...	11.89	6.8	ng/ul	148421	2	10.33	437704	20.0
3-Methylbenzothio...	12.12	2.5	ng/ul	54587	2	10.33	437704	20.0
Naphthalene, 1-me...	12.22	117.3	ng/ul	2566080	2	10.33	437704	20.0
Naphthalene, 1-et...	13.23	2.5	ng/ul	97350	3	14.21	780085	20.0
unknown-01	13.25	3.5	ng/ul	134414	3	14.21	780085	20.0
Naphthalene, 2,7-...	13.36	10.9	ng/ul	423727	3	14.21	780085	20.0
Naphthalene, 1,3-...	13.52	19.4	ng/ul	755745	3	14.21	780085	20.0
Naphthalene, 2,3-...	13.57	3.4	ng/ul	133784	3	14.21	780085	20.0
Naphthalene, 1,7-...	13.79	3.2	ng/ul	126564	3	14.21	780085	20.0
2-Naphthalenecarb...	14.37	5.1	ng/ul	200279	3	14.21	780085	20.0
unknown-02	14.43	3.3	ng/ul	128351	3	14.21	780085	20.0
Naphthalene, 2,3,...	14.69	2.2	ng/ul	85922	3	14.21	780085	20.0
Naphthalene, 1,4,...	14.89	2.2	ng/ul	86507	3	14.21	780085	20.0
Benzene, [1-(2,4-...	15.48	2.9	ng/ul	113971	3	14.21	780085	20.0
1,1'-Biphenyl, 4-...	15.52	4.6	ng/ul	178180	3	14.21	780085	20.0
1-Acenaphthylenol...	15.68	2.5	ng/ul	115445	4	16.97	934966	20.0
Dibenzofuran, 4-m...	15.71	9.3	ng/ul	433155	4	16.97	934966	20.0
9H-Fluoren-9-ol	15.80	3.4	ng/ul	157907	4	16.97	934966	20.0
1(2H)-Acenaphthyl...	15.97	16.6	ng/ul	777012	4	16.97	934966	20.0
Anthracene, 9,10-...	16.06	4.1	ng/ul	193439	4	16.97	934966	20.0