LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071919\
Data File : BM021559.D
Acq On : 19 Jul 2019 15:50
Operator : HP/JU
Sample : K3822-07DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF4B8DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.375	402	406	416	rVB2	82820	165866	0.63%	0.203%
2	6.934	668	671	678	rVB	41093	63388	0.24%	0.078%
3	7.351	738	742	750	rVB2	102840	175287	0.67%	0.215%
4	7.434	751	756	763	rVB	92143	153028	0.58%	0.188%
5	7.710	797	803	811	rVB	547278	878848	3.35%	1.078%
6	8.075	859	865	874	rVB	770894	1199204	4.57%	1.471%
7	8.239	887	893	904	rVB	329177	544676	2.08%	0.668%
8	8.881	997	1002	1010	rVV	53904	85725	0.33%	0.105%
9	9.057	1027	1032	1042	rVB	64741	108700	0.41%	0.133%
10	9.181	1046	1053	1059	rVV	164519	349919	1.33%	0.429%
11	9.239	1059	1063	1072	rVV	55839	93054	0.35%	0.114%
12	9.739	1143	1148	1154	rBV	55531	86425	0.33%	0.106%
13	9.892	1168	1174	1177	rBV2	91032	181873	0.69%	0.223%
14	9.992	1185	1191	1196	rBV	77127	162317	0.62%	0.199%
15	10.139	1210	1216	1223	rBV2	32579	60307	0.23%	0.074%
16	10.498	1270	1277	1280	rBV	659381	1234663	4.71%	1.515%
17	10.557	1280	1287	1298	rVB	15135713	26229948	100.00%	32.178%
18	10.669	1298	1306	1315	rVB	1073569	1775546	6.77%	2.178%
19	12.051	1536	1541	1549	rVB	54904	93687	0.36%	0.115%
20	12.163	1552	1560	1567	rBV	2515289	3963922	15.11%	4.863%
21	12.280	1575	1580	1586	rBV	58294	104587	0.40%	0.128%
22	12.380	1586	1597	1608	rVB	1316179	2116226	8.07%	2.596%
23	13.186	1726	1734	1742	rBV	413314	627331	2.39%	0.770%
24	13.380	1761	1767	1777	rVB	99168	189442	0.72%	0.232%
25	13.510	1780	1789	1791	rBV	170610	275619	1.05%	0.338%
26	13.668	1808	1816	1821	rBV	266977	480285	1.83%	0.589%
27	13.727	1821	1826	1830	rVV	195751	295003	1.12%	0.362%
28	13.774	1830	1834	1838	rVV	79640	120128	0.46%	0.147%
29	13.910	1852	1857	1860	rBV	113651	162972	0.62%	0.200%
30	13.939	1860	1862	1869	rVB2	44014	59184	0.23%	0.073%
31	14.051	1875	1881	1882	rBV	93412	133223	0.51%	0.163%
32	14.080	1882	1886	1893	rVB	275508	410915	1.57%	0.504%
33	14.357	1919	1933	1938	rBV2	1094334	1804189	6.88%	2.213%
34	14.421	1938	1944	1952	rVV	1646228	2475477	9.44%	3.037%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071919\
Data File : BM021559.D
Acq On : 19 Jul 2019 15:50
Operator : HP/JU
Sample : K3822-07DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF4B8DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

35	14.498	1952	1957	1963	rVV	219202	338330	1.29%	0.415%
36	14.557	1963	1967	1976	rVV	66087	117354	0.45%	0.144%
37	14.639	1976	1981	1983	rVV	68704	103573	0.39%	0.127%
38	14.663	1983	1985	1990	rVV	77875	104007	0.40%	0.128%
39	14.757	1990	2001	2006	rVV	1421071	2002693	7.64%	2.457%
40	14.792	2006	2007	2011	rVV	101011	106788	0.41%	0.131%
41	14.833	2011	2014	2018	rVB	48523	60368	0.23%	0.074%
42	14.968	2028	2037	2043	rBV3	38918	82016	0.31%	0.101%
43	15.027	2043	2047	2054	rVV2	37724	62339	0.24%	0.076%
44	15.145	2061	2067	2070	rVV2	32916	60516	0.23%	0.074%
45	15.351	2093	2102	2106	rBV	135465	200324	0.76%	0.246%
46	15.410	2106	2112	2122	rVB	1579936	2196089	8.37%	2.694%
47	15.504	2122	2128	2130	rBV2	61235	89351	0.34%	0.110%
48	15.533	2130	2133	2135	rVV2	73379	99497	0.38%	0.122%
49	15.568	2135	2139	2144	rVV2	142044	221668	0.85%	0.272%
50	15.621	2144	2148	2150	rVV2	42484	71941	0.27%	0.088%
51	15.657	2150	2154	2158	rVV3	86396	151103	0.58%	0.185%
52	15.704	2158	2162	2168	rVB	187435	263397	1.00%	0.323%
53	15.851	2173	2187	2195	rBV	216145	484675	1.85%	0.595%
54	15.933	2195	2201	2208	rVB2	48208	102455	0.39%	0.126%
55	16.098	2219	2229	2239	rVB4	33531	80593	0.31%	0.099%
56	16.304	2254	2264	2270	rBV2	50102	86889	0.33%	0.107%
57	16.386	2270	2278	2280	rBV	86085	148889	0.57%	0.183%
58	16.415	2280	2283	2287	rVV2	109498	151788	0.58%	0.186%
59	16.562	2302	2308	2312	rVB2	48603	74178	0.28%	0.091%
60	16.639	2312	2321	2324	rBV3	47313	96953	0.37%	0.119%
61	16.839	2349	2355	2361	rBV	47313	106715	0.41%	0.131%
62	16.927	2366	2370	2380	rVB	256611	374767	1.43%	0.460%
63	17.109	2391	2401	2404	rBV	1453036	2088050	7.96%	2.562%
64	17.151	2404	2408	2414	rVV	3847922	5342472	20.37%	6.554%
65	17.209	2414	2418	2421	rVV2	218200	379016	1.44%	0.465%
66	17.239	2421	2423	2429	rVV	284620	394721	1.50%	0.484%
67	17.315	2432	2436	2443	rVV3	41418	79718	0.30%	0.098%
68	17.521	2465	2471	2482	rVB	997915	1365869	5.21%	1.676%
69	17.627	2482	2489	2495	rBV4	112227	244604	0.93%	0.300%
70	17.680	2495	2498	2507	rVB3	94894	150181	0.57%	0.184%
71	17.951	2539	2544	2545	rBV3	52456	62469	0.24%	0.077%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071919\
Data File : BM021559.D
Acq On : 19 Jul 2019 15:50
Operator : HP/JU
Sample : K3822-07DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF4B8DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

72	17.980	2545	2549	2553	rVV	212659	323354	1.23%	0.397%
73	18.033	2553	2558	2565	rVV2	447404	665241	2.54%	0.816%
74	18.115	2567	2572	2577	rVV	146189	208067	0.79%	0.255%
75	18.180	2577	2583	2587	rVV2	430042	681405	2.60%	0.836%
76	18.215	2587	2589	2595	rVB	116103	133047	0.51%	0.163%
77	18.292	2595	2602	2606	rBV2	62205	124122	0.47%	0.152%
78	18.339	2606	2610	2614	rVV	55504	68125	0.26%	0.084%
79	18.433	2621	2626	2631	rBV3	63093	109159	0.42%	0.134%
80	18.486	2631	2635	2641	rVB	168583	220200	0.84%	0.270%
81	18.903	2701	2706	2712	rBV	50192	84354	0.32%	0.103%
82	19.168	2745	2751	2758	rBV	1999701	2602615	9.92%	3.193%
83	19.274	2765	2769	2773	rVV2	41075	68257	0.26%	0.084%
84	19.415	2787	2793	2797	rBV2	53186	93643	0.36%	0.115%
85	19.503	2803	2808	2810	rBV3	502195	708310	2.70%	0.869%
86	19.533	2810	2813	2822	rVV	1394693	1837913	7.01%	2.255%
87	19.603	2822	2825	2832	rVB4	70137	116737	0.45%	0.143%
88	19.715	2840	2844	2849	rVB	81445	104033	0.40%	0.128%
89	19.862	2863	2869	2875	rBV3	93361	212305	0.81%	0.260%
90	19.921	2875	2879	2886	rBV	132808	199411	0.76%	0.245%
91	19.992	2886	2891	2895	rVV	258727	445372	1.70%	0.546%
92	20.033	2895	2898	2906	rVB	241809	331757	1.26%	0.407%
93	20.133	2910	2915	2919	rBV	254721	334549	1.28%	0.410%
94	20.192	2919	2925	2929	rVB3	83603	156642	0.60%	0.192%
95	20.950	3051	3054	3056	rBV3	53121	60837	0.23%	0.075%
96	20.986	3057	3060	3063	rVV	75760	85128	0.32%	0.104%
97	21.297	3107	3113	3117	rBV2	2211324	3217044	12.26%	3.947%
98	21.333	3117	3119	3127	rVB	271971	346488	1.32%	0.425%
99	23.409	3468	3472	3476	rBV	179578	281853	1.07%	0.346%
100	23.550	3490	3496	3510	rVB2	1378611	2687292	10.25%	3.297%

Sum of corrected areas: 81514580

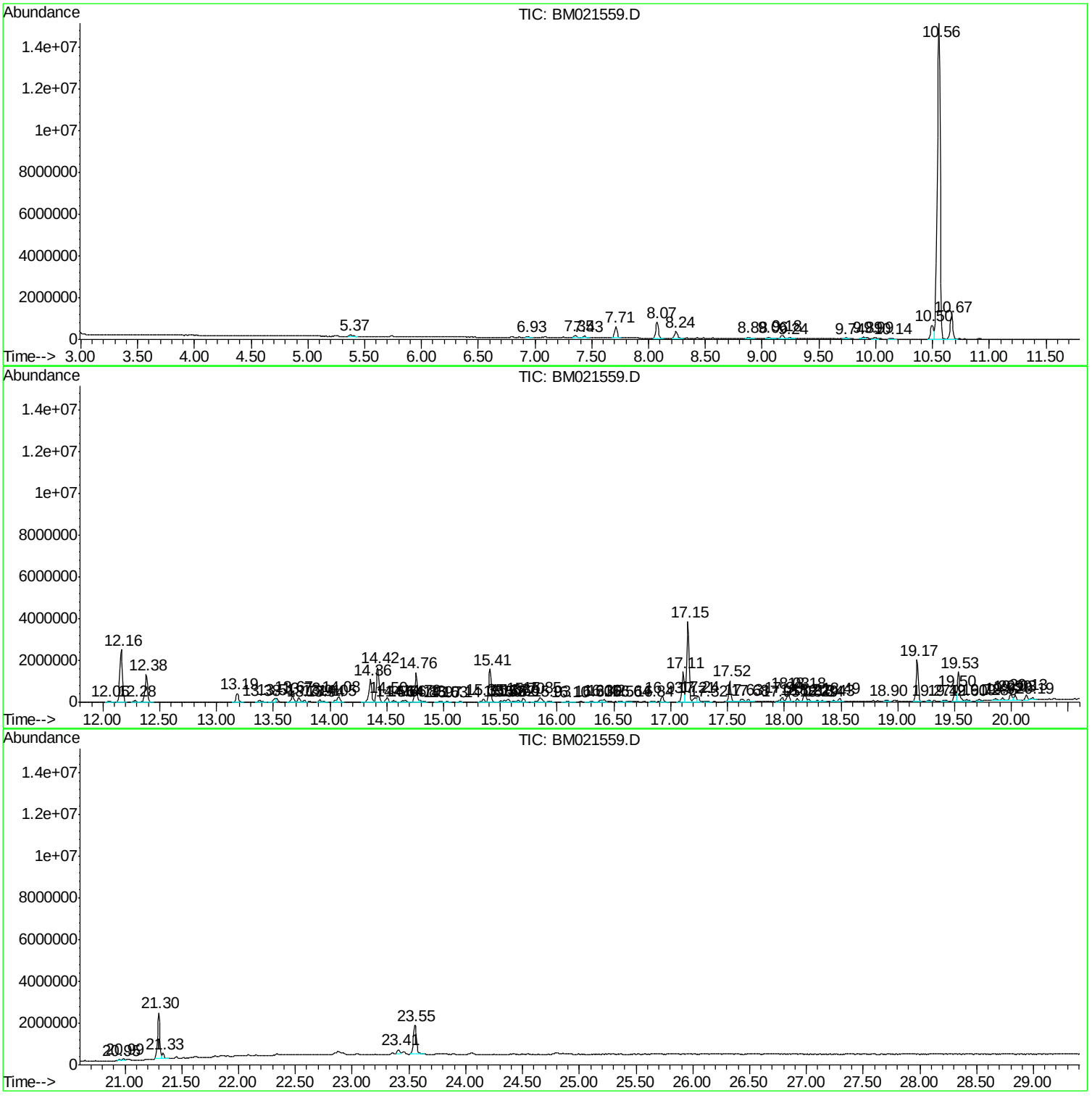
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071919\
Data File : BM021559.D
Acq On : 19 Jul 2019 15:50
Operator : HP/JU
Sample : K3822-07DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF4B8DL

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

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071919\
Data File : BM021559.D
Acq On : 19 Jul 2019 15:50
Operator : HP/JU
Sample : K3822-07DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF4B8DL

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

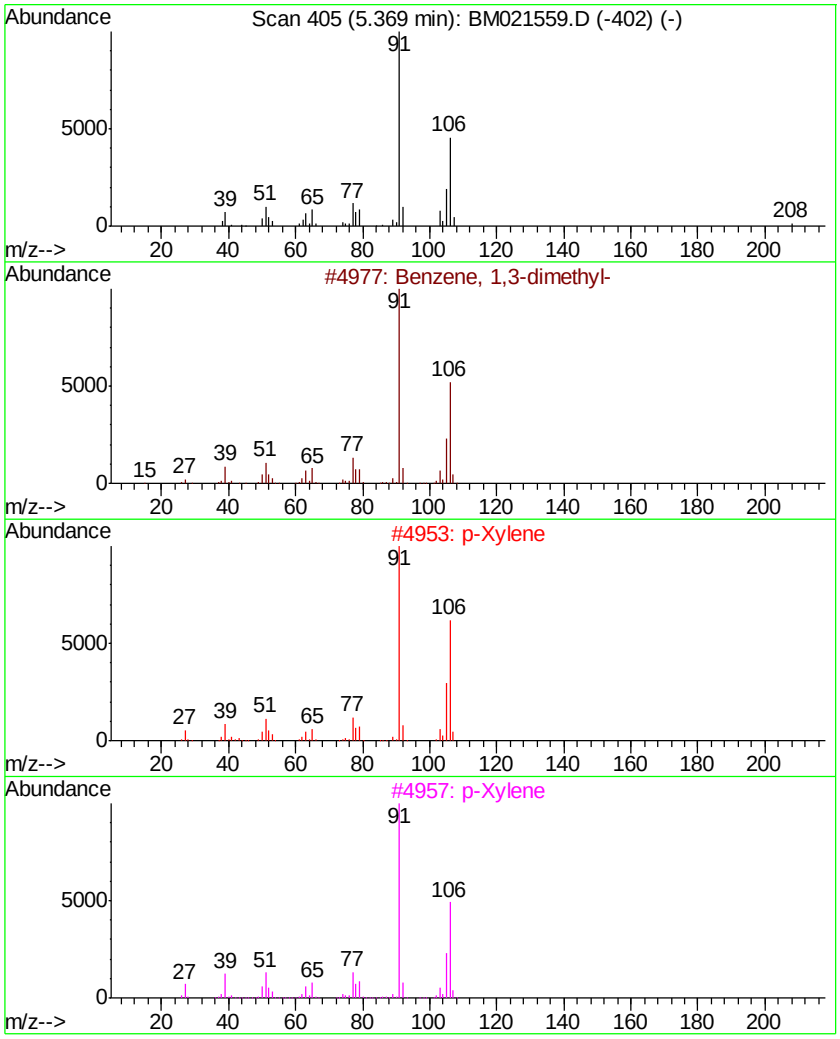
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

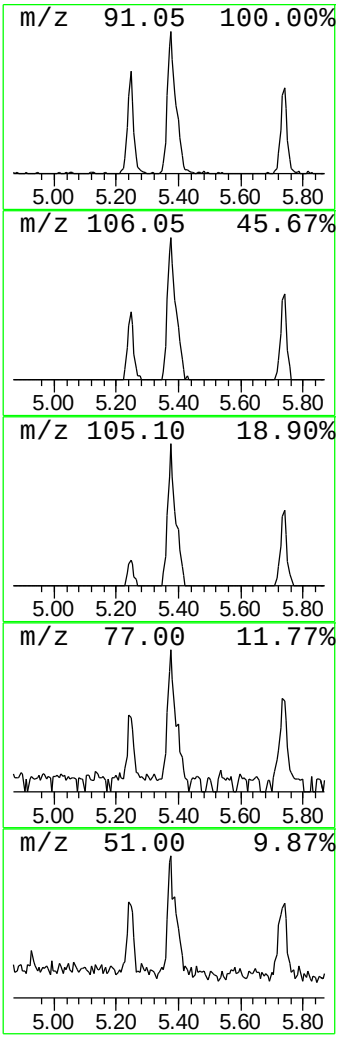
****

Peak Number 1 Benzene, 1,3-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.37	3.77 ng/ul	165866	1,4-Dichlorobenzene-d4	7.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	94
2	p-Xylene	106	C8H10	000106-42-3	94
3	p-Xylene	106	C8H10	000106-42-3	94
4	o-Xylene	106	C8H10	000095-47-6	94
5	p-Xylene	106	C8H10	000106-42-3	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071919\
Data File : BM021559.D
Acq On : 19 Jul 2019 15:50
Operator : HP/JU
Sample : K3822-07DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF4B8DL

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

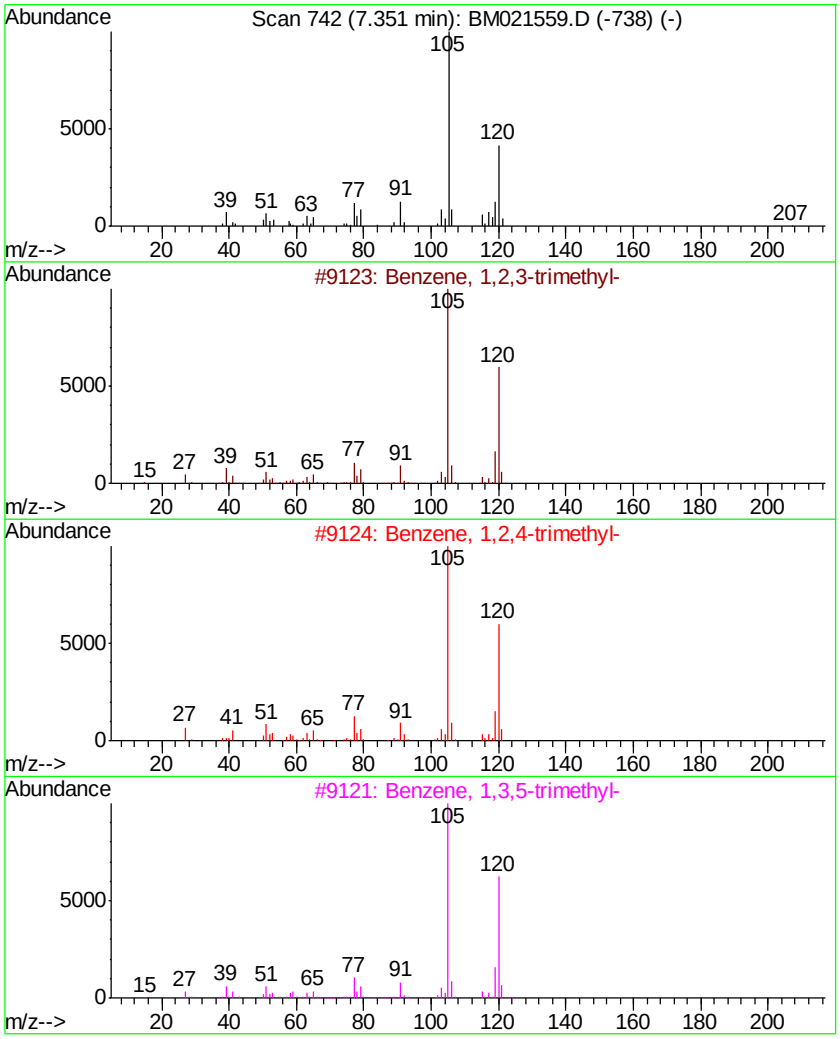
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

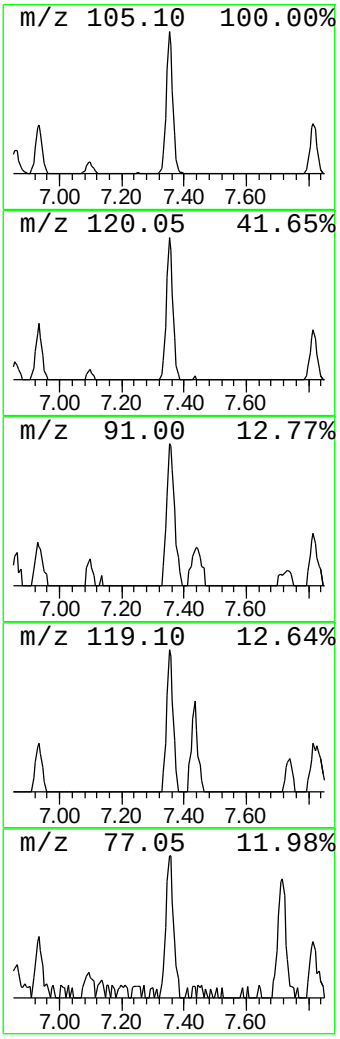
****

Peak Number 2 Benzene, 1,2,3-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.35	3.99 ng/ul	175287	1,4-Dichlorobenzene-d4	7.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	90
4	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	90
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071919\
Data File : BM021559.D
Acq On : 19 Jul 2019 15:50
Operator : HP/JU
Sample : K3822-07DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF4B8DL

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

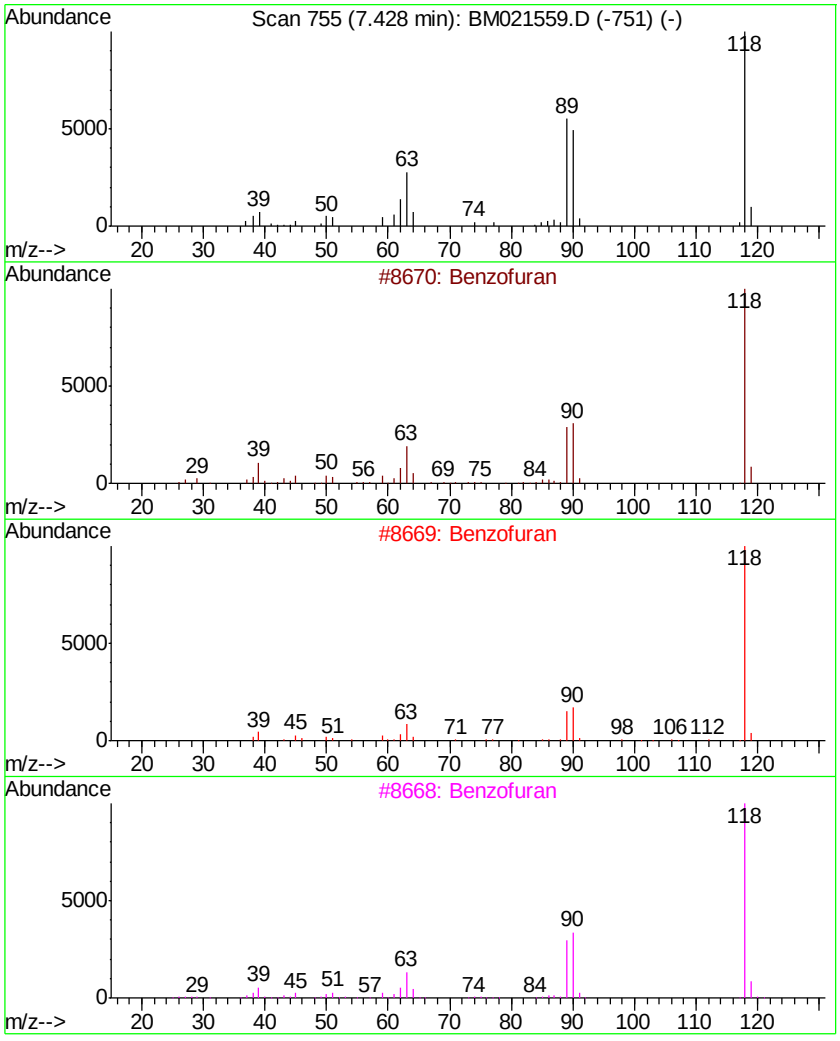
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

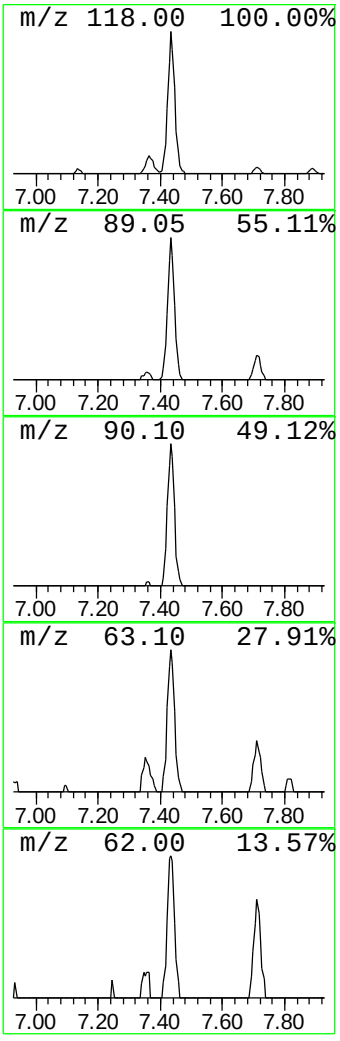
****

Peak Number 3 Benzofuran Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.43	3.48 ng/ul	153028	1,4-Dichlorobenzene-d4	7.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	91
2	Benzofuran	118	C8H6O	000271-89-6	90
3	Benzofuran	118	C8H6O	000271-89-6	90
4	2H-1-Benzopyran-2-one	146	C9H6O2	000091-64-5	83
5	Homophthalimide	161	C9H7NO2	004456-77-3	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071919\
Data File : BM021559.D
Acq On : 19 Jul 2019 15:50
Operator : HP/JU
Sample : K3822-07DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF4B8DL

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

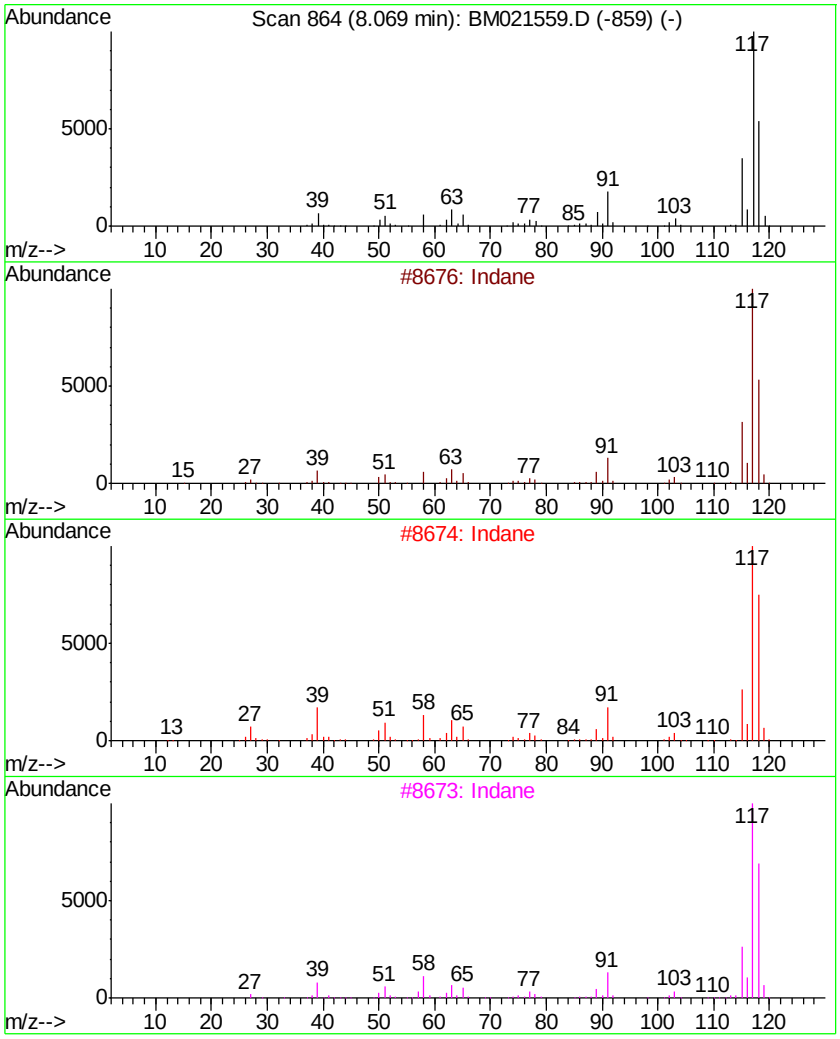
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

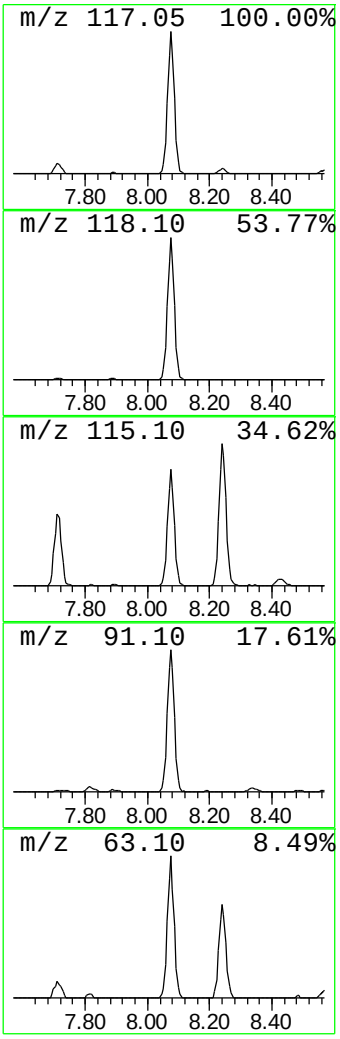
****

Peak Number 4 Indane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.07	27.29 ng/ul	1199200	1,4-Dichlorobenzene-d4	7.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Indane	118	C9H10	000496-11-7	91
3	Indane	118	C9H10	000496-11-7	83
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	60





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071919\
Data File : BM021559.D
Acq On : 19 Jul 2019 15:50
Operator : HP/JU
Sample : K3822-07DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF4B8DL

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

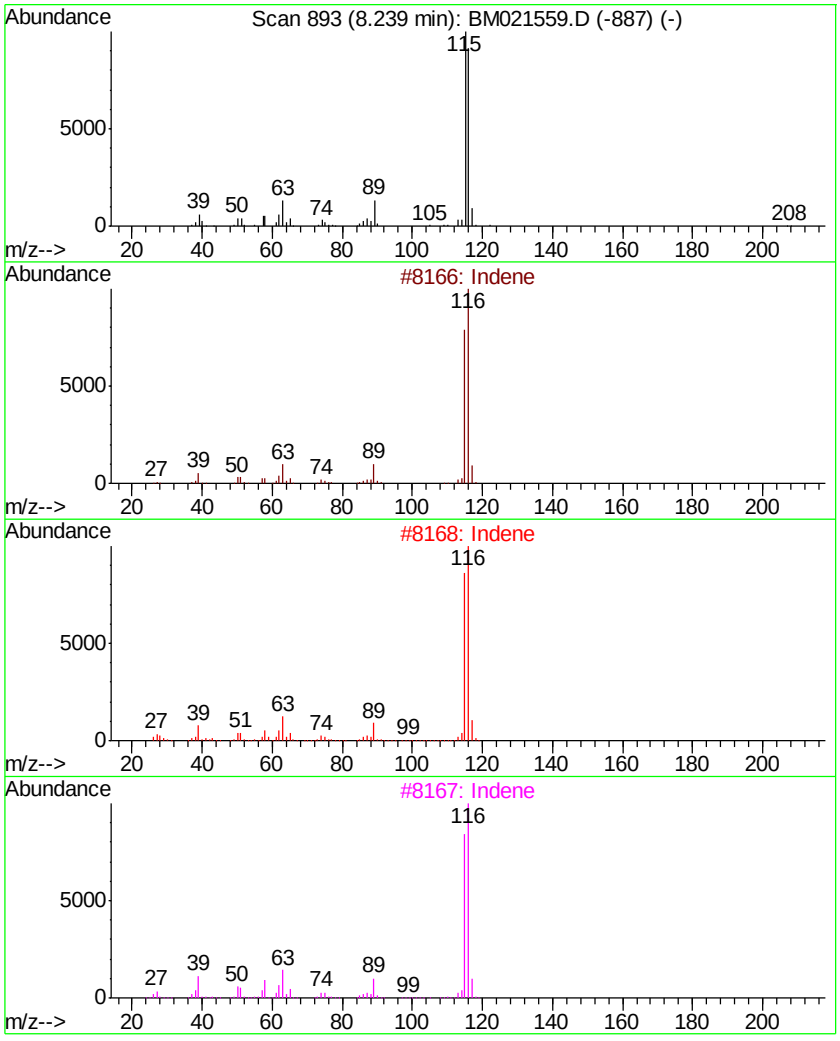
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

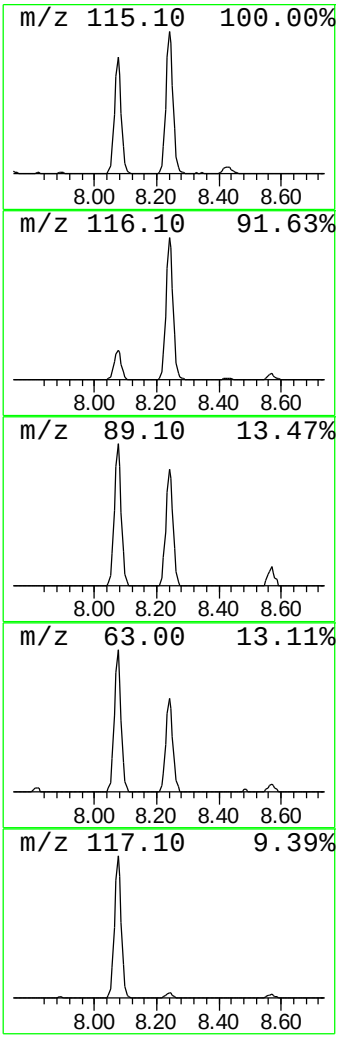
****

Peak Number 5 Indene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.24	12.40 ng/ul	544676	1,4-Dichlorobenzene-d4	7.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Indene	116	C9H8	000095-13-6	95
3	Indene	116	C9H8	000095-13-6	94
4	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





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Operator : HP/JU
Sample : K3822-07DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF4B8DL

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Quant Title : SVOA CALIBRATION

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

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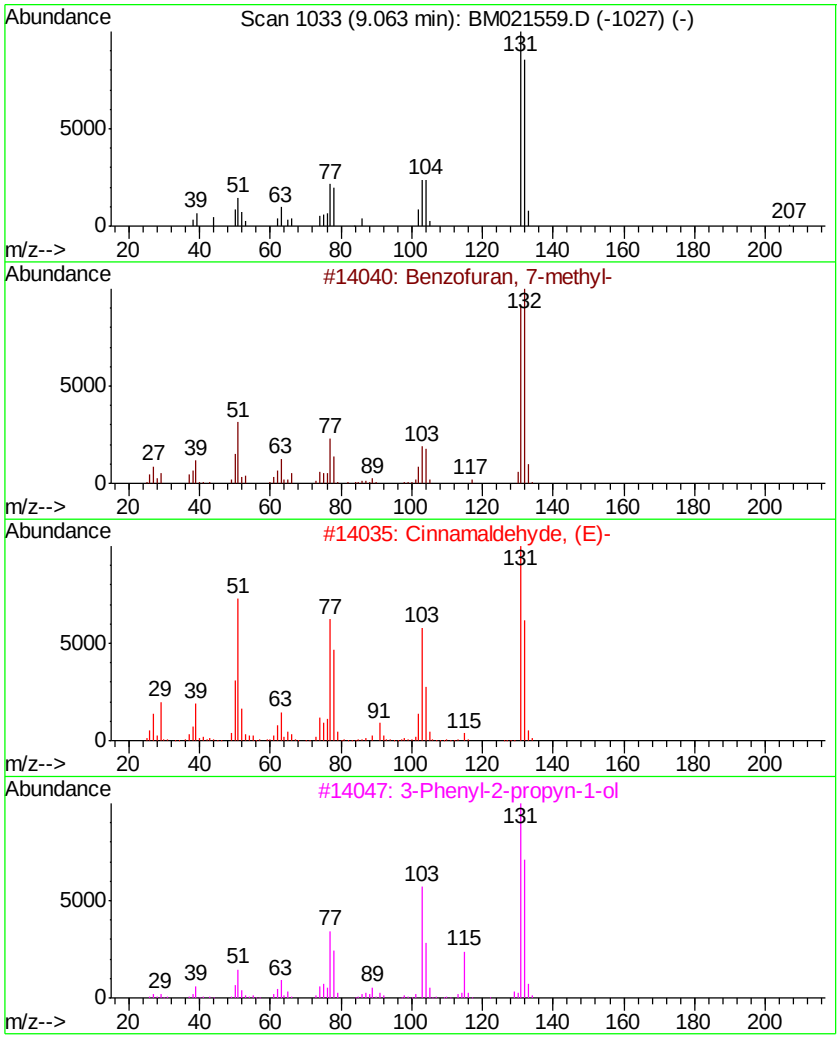
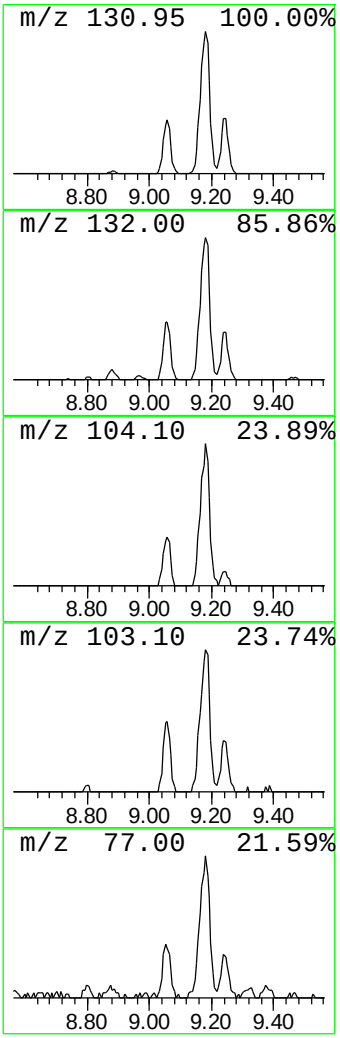
Peak Number 6 Benzofuran, 7-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.06	2.47 ng/ul	108700	1,4-Dichlorobenzene-d4	7.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 7-methyl-	132	C9H8O	017059-52-8	95
2	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	90
3	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	87
4	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	87
5	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	87





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Misc :
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ClientSampleId : BF4B8DL

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Quant Title : SVOA CALIBRATION

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

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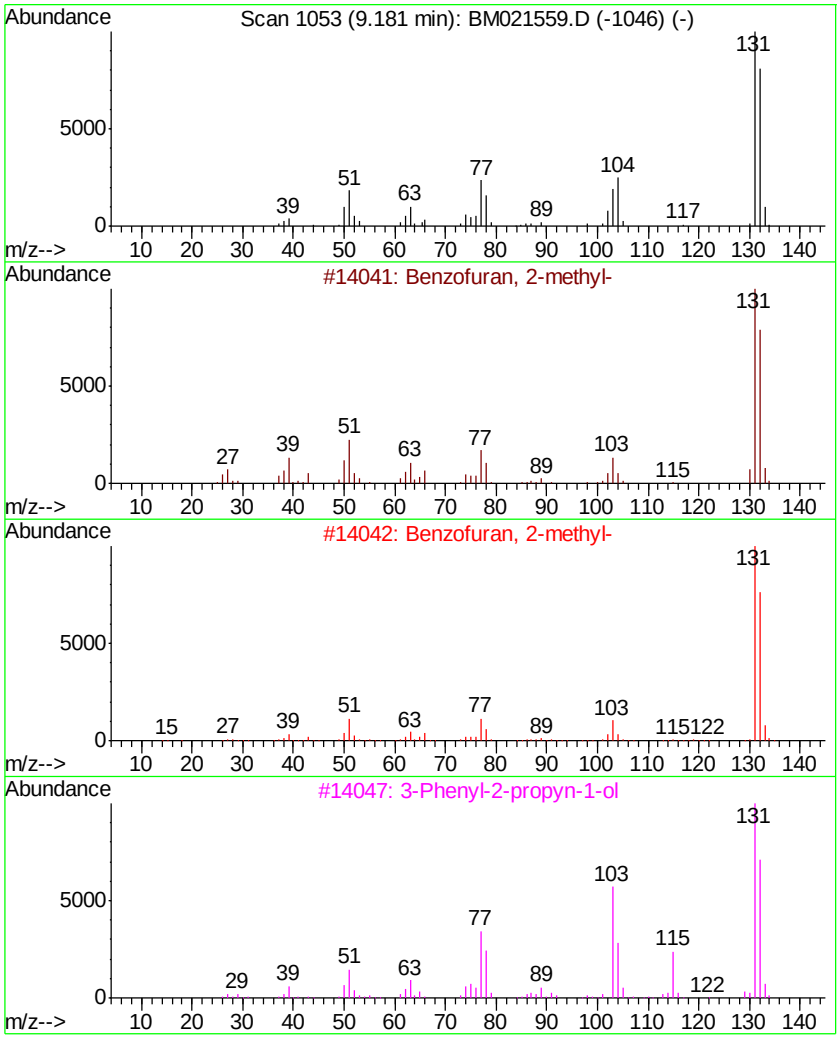
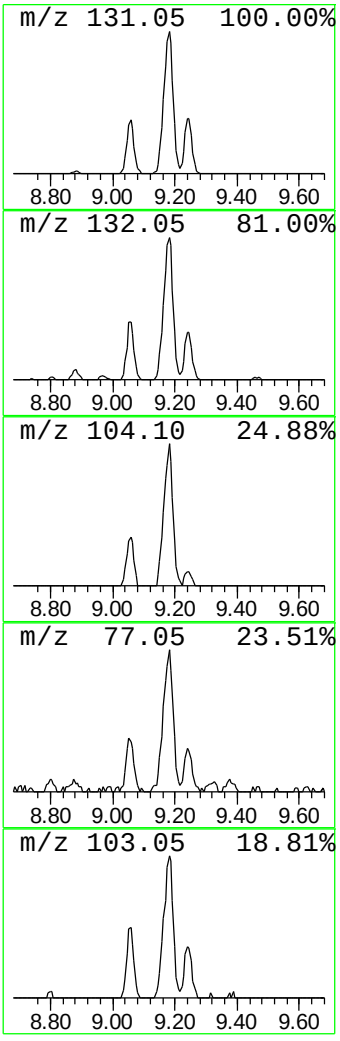
Peak Number 7 Benzofuran, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.18	5.67 ng/ul	349919	Naphthalene-d8	10.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	93
2	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	90
3	3-Phenyl-2-propyn-1-ol	132	C9H8O	001504-58-1	90
4	Benzofuran, 2-methyl-	132	C9H8O	004265-25-2	90
5	Cinnamaldehyde, (E)-	132	C9H8O	014371-10-9	90





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ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF4B8DL

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Quant Title : SVOA CALIBRATION

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

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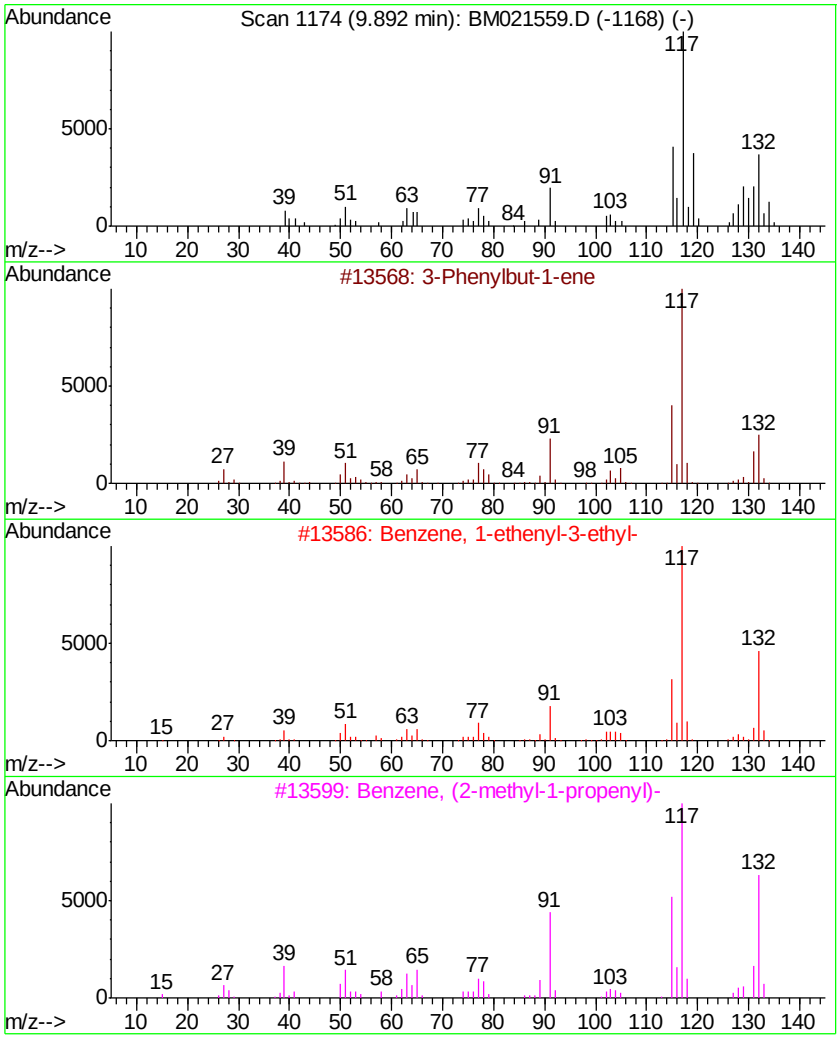
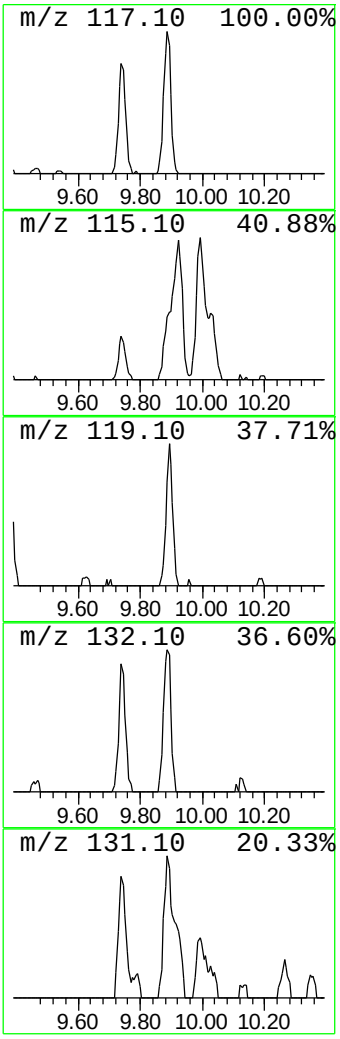
Peak Number 8 3-Phenylbut-1-ene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.89	2.95 ng/ul	181873	Naphthalene-d8	10.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	70
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	64
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	64
4	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	64
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	62





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Instrument : BNA_M
ClientSampleId : BF4B8DL

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Quant Title : SVOA CALIBRATION

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

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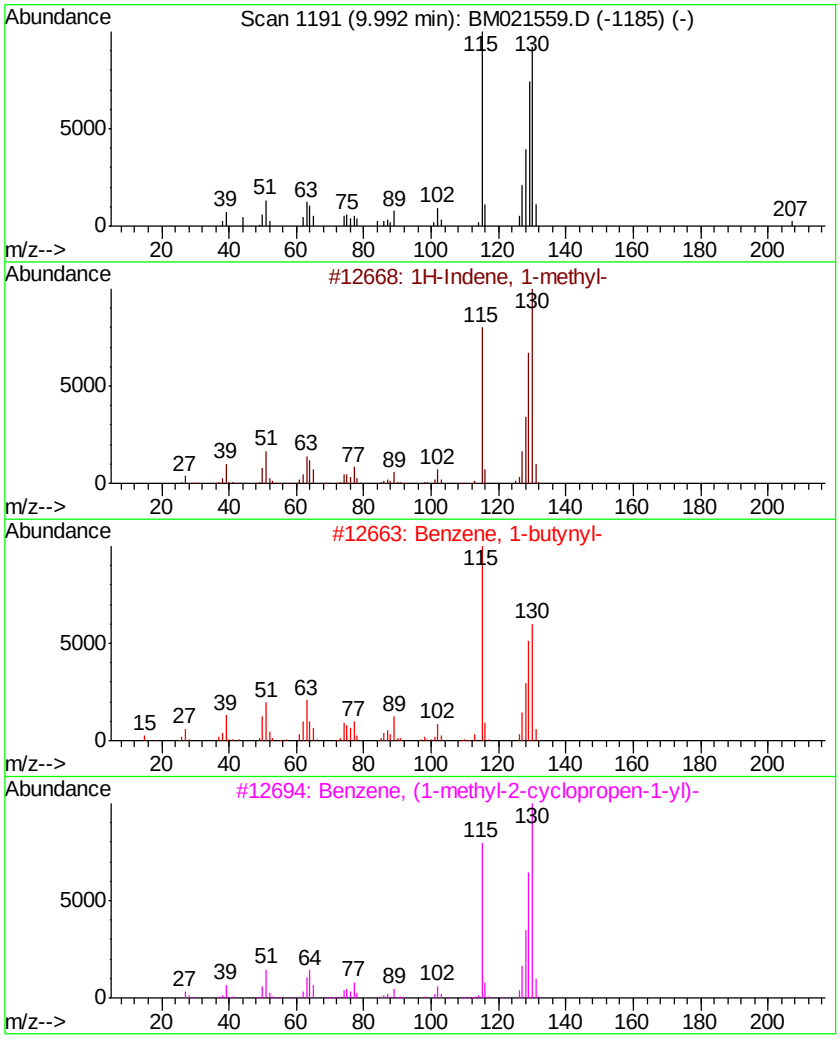
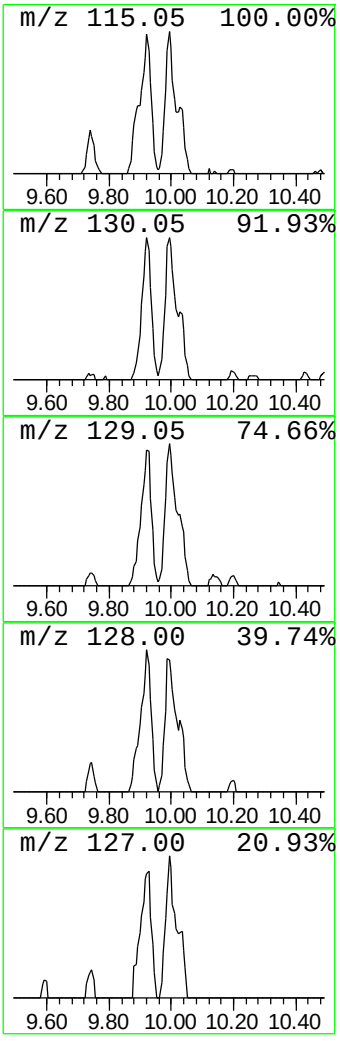
Peak Number 9 1H-Indene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.99	2.63 ng/ul	162317	Naphthalene-d8	10.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
2	Benzene, 1-butynyl-	130	C10H10	000622-76-4	94
3	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	93
4	2-Methylindene	130	C10H10	002177-47-1	92
5	Benzene, 1-butynyl-	130	C10H10	000622-76-4	91





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Misc :
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Instrument : BNA_M
ClientSampleId : BF4B8DL

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Quant Title : SVOA CALIBRATION

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

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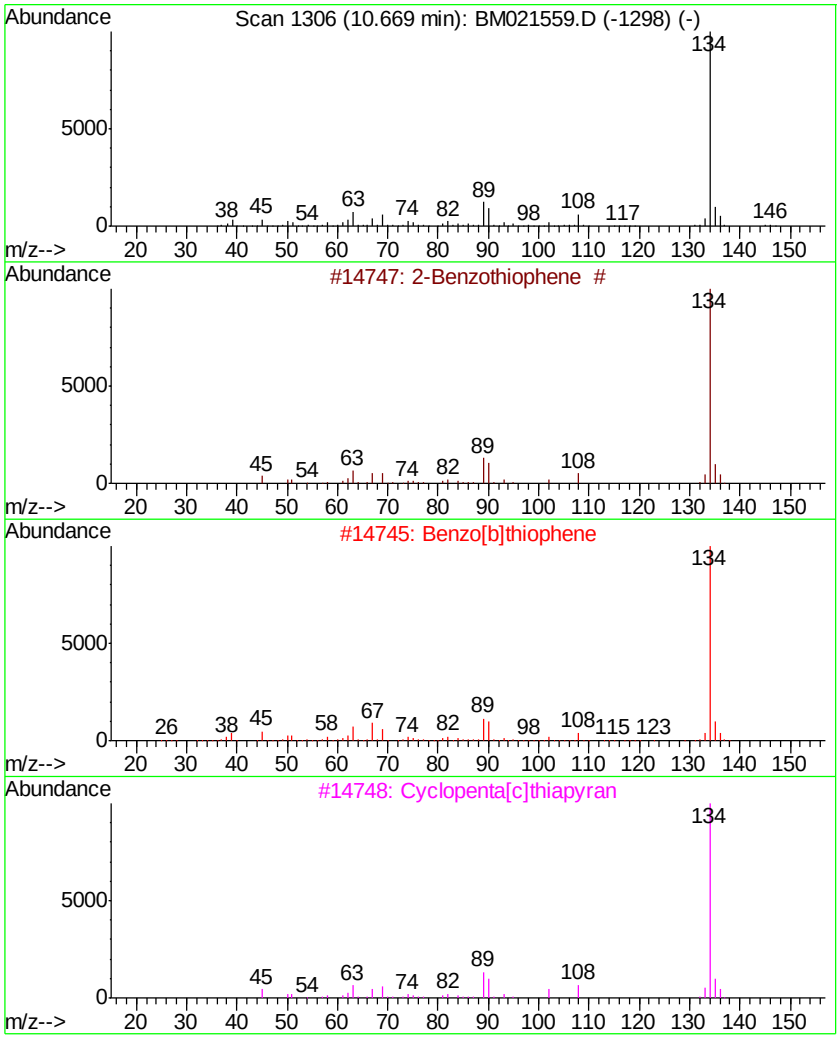
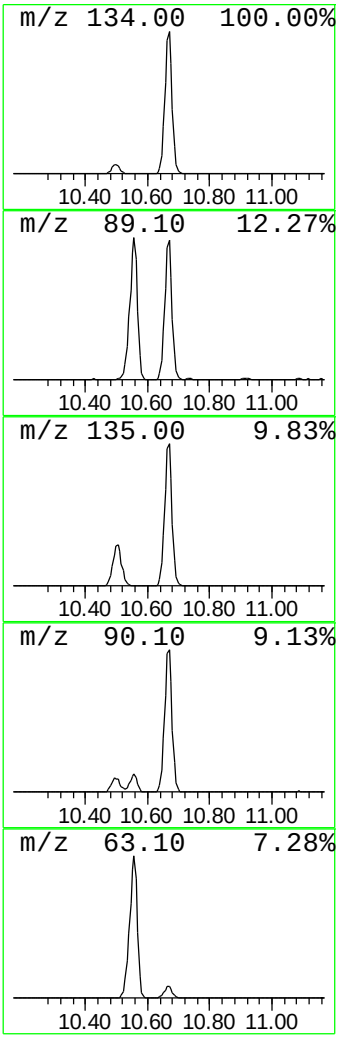
Peak Number 10 2-Benzothiophene # Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	28.76 ng/ul	1775550	Naphthalene-d8	10.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Benzothiophene #	134	C8H6S	000270-82-6	97
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	94
3	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	94
4	Benzo[b]thiophene	134	C8H6S	000095-15-8	93
5	Cyclopenta[b]thiapyran	134	C8H6S	000271-17-0	87





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Sample : K3822-07DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF4B8DL

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Quant Title : SVOA CALIBRATION

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

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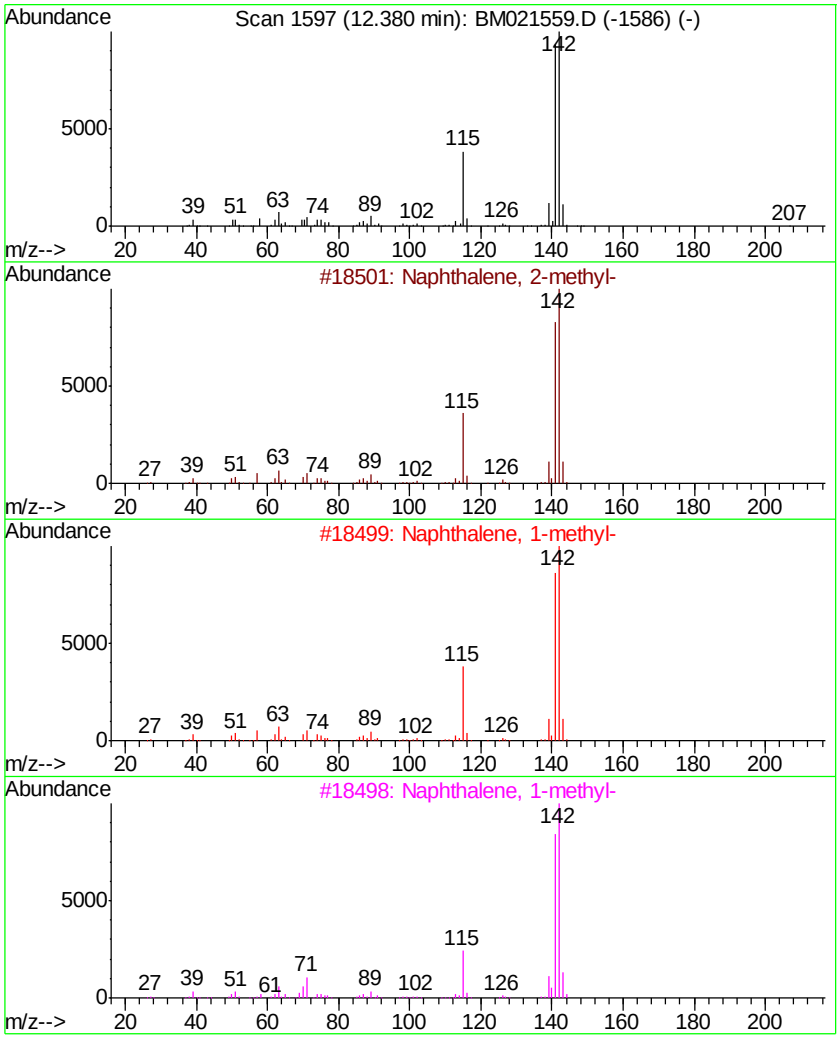
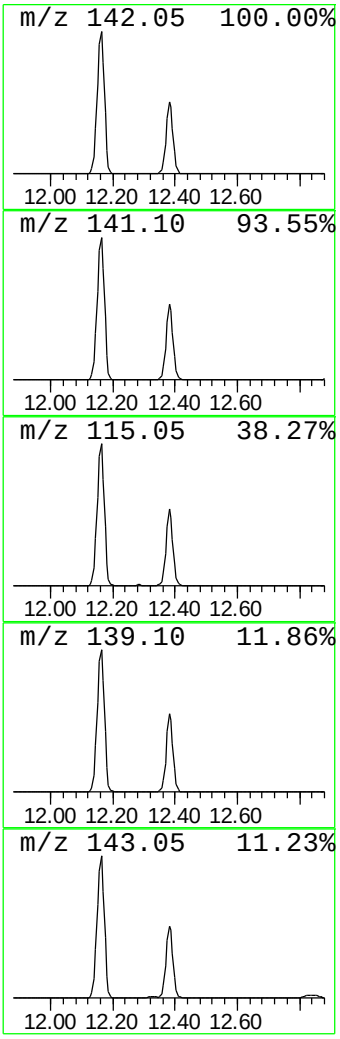
Peak Number 11 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	34.28 ng/ul	2116230	Naphthalene-d8	10.50

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





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Operator : HP/JU
Sample : K3822-07DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF4B8DL

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Quant Title : SVOA CALIBRATION

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

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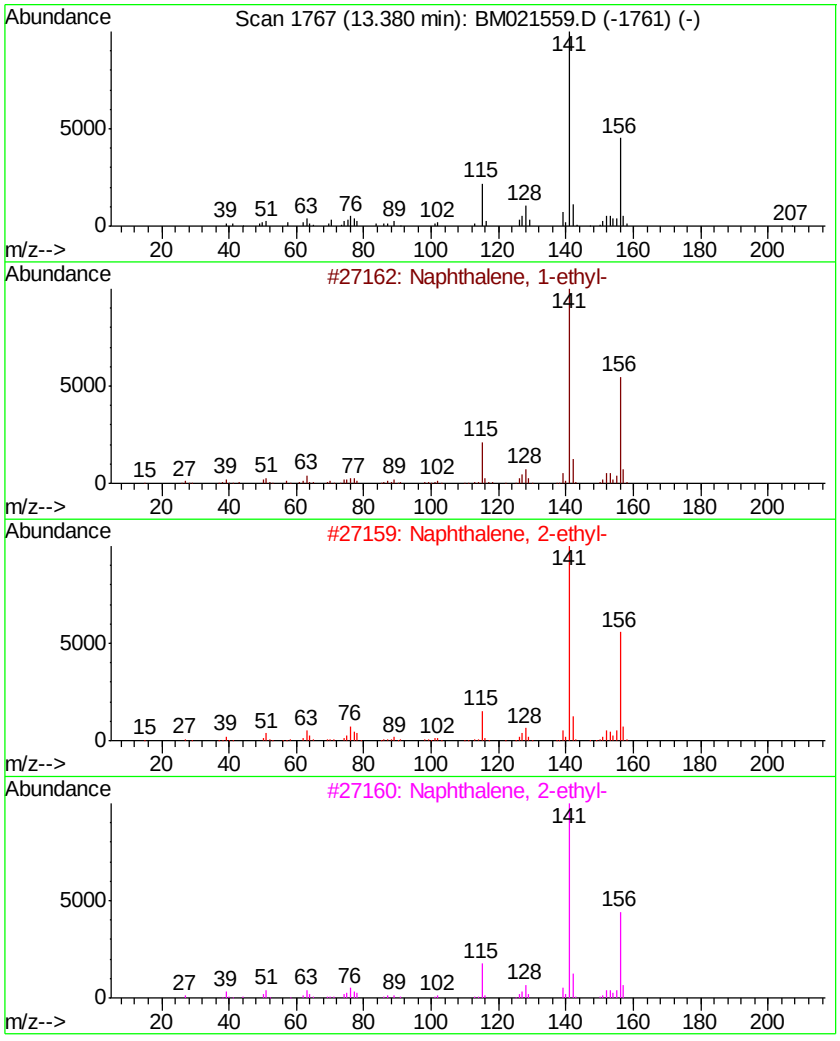
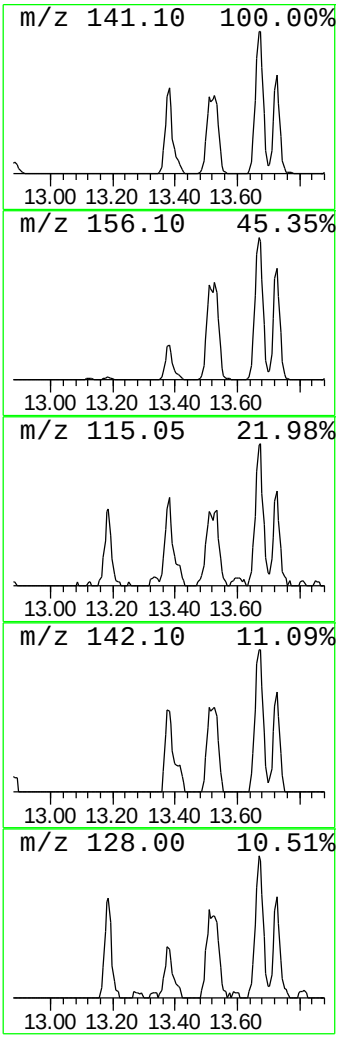
Peak Number 12 Naphthalene, 1-ethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	2.10 ng/ul	189442	Acenaphthene-d10	14.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	91





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Sample : K3822-07DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF4B8DL

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Quant Title : SVOA CALIBRATION

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

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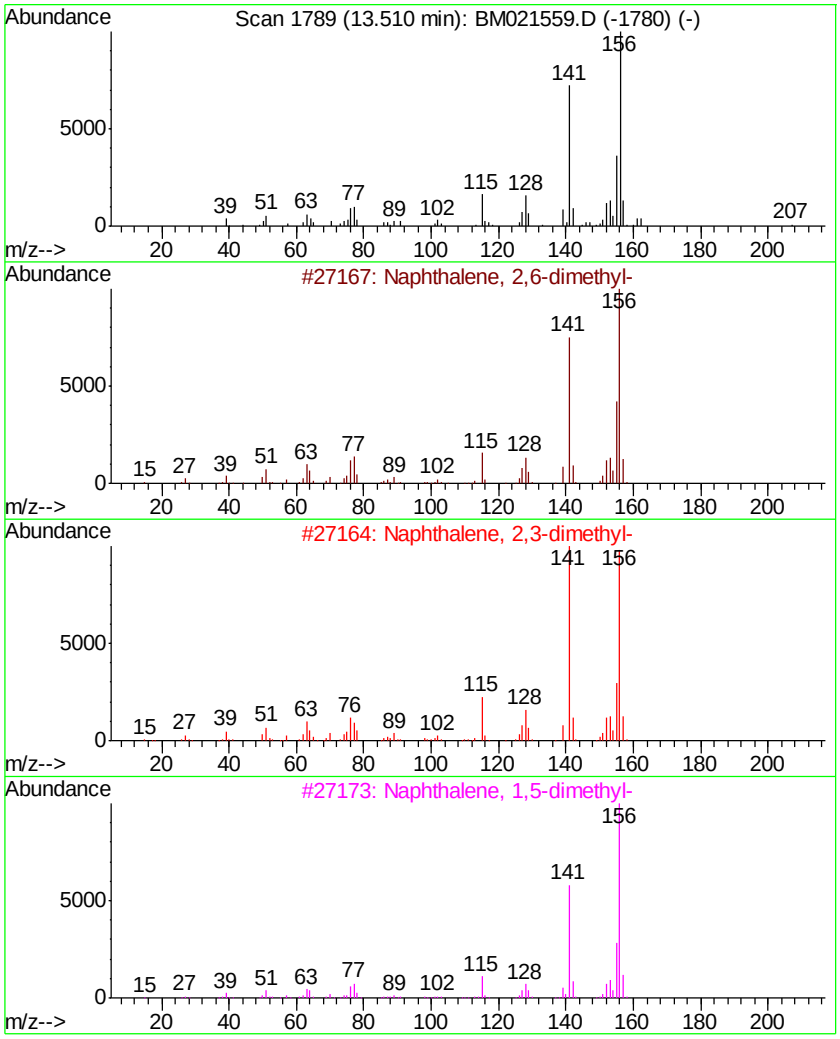
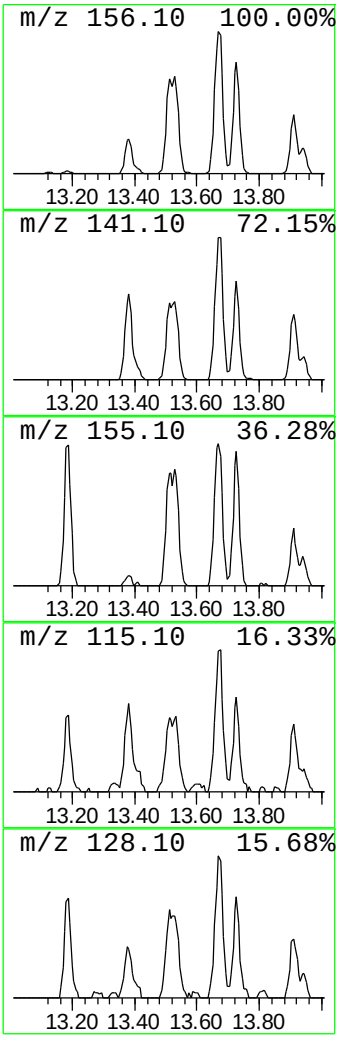
Peak Number 13 Naphthalene, 2,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.51	3.06 ng/ul	275619	Acenaphthene-d10	14.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





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Misc :
ALS Vial : 3 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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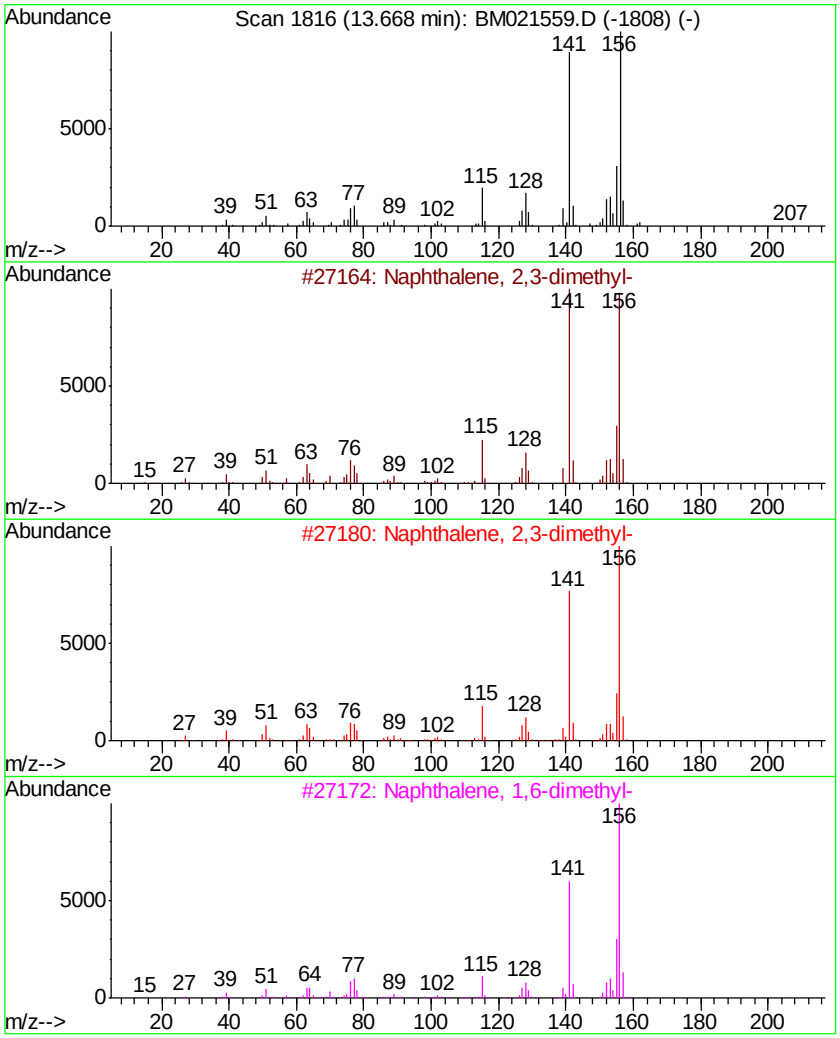
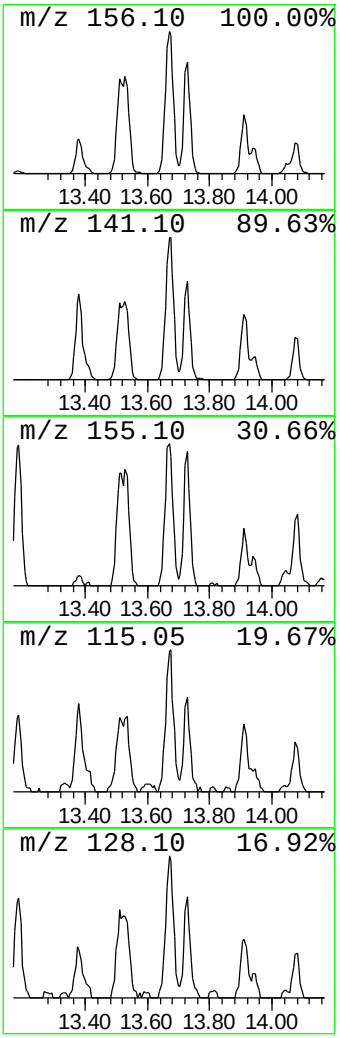
Peak Number 14 Naphthalene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	5.32 ng/ul	480285	Acenaphthene-d10	14.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





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Instrument : BNA_M
ClientSampleId : BF4B8DL

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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 2-Naphthalenecarbonitrile Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.50	3.75 ng/ul	338330	Acenaphthene-d10	14.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	97
2	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	97
3	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	95
4	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	95
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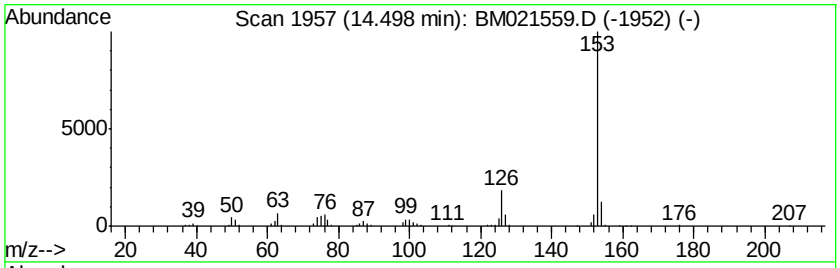

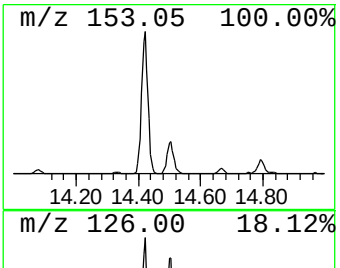

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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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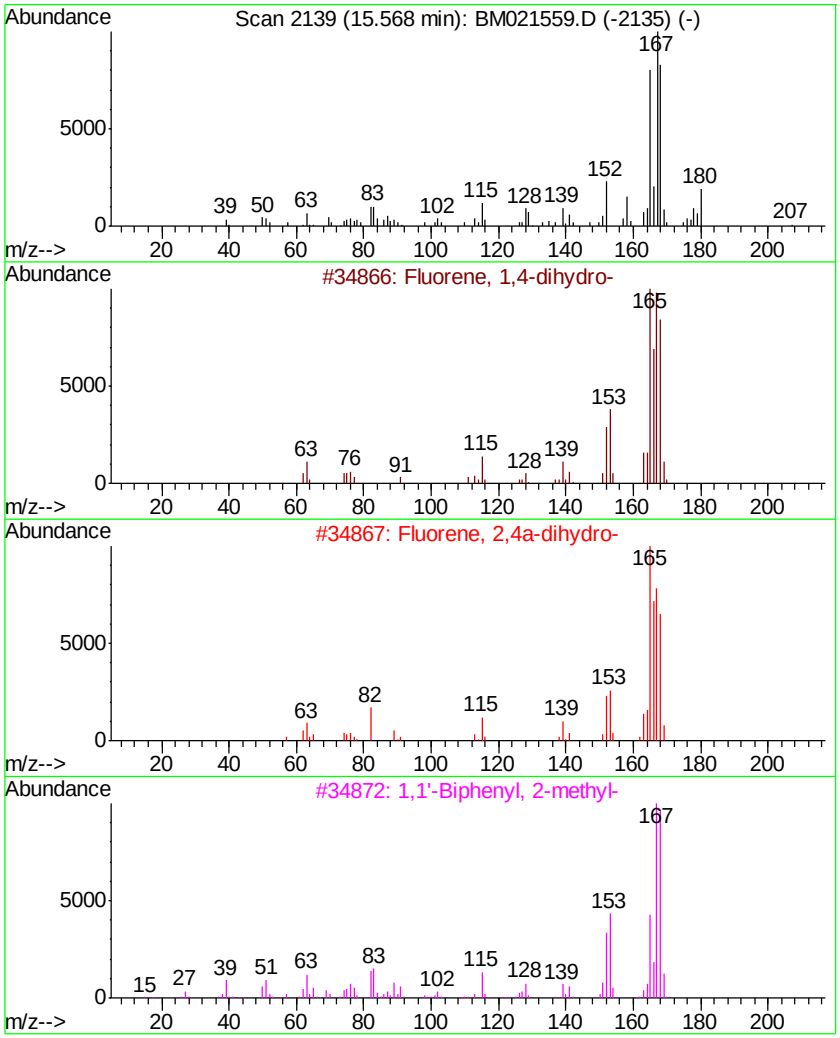
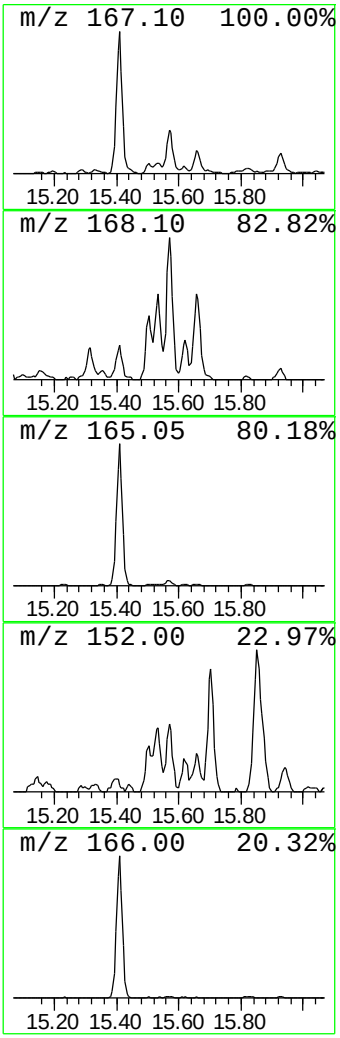
Peak Number 16 Fluorene, 1,4-dihydro- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	2.46 ng/ul	221668	Acenaphthene-d10	14.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	90
2	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	70
3	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	60
4	Nordiphenamid	225	C15H15NO	000954-21-2	59
5	Benzeneethanol, .alpha.,.alpha.,...	350	C26H22O	000981-24-8	50





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Sample : K3822-07DL 10X
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Quant Title : SVOA CALIBRATION

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

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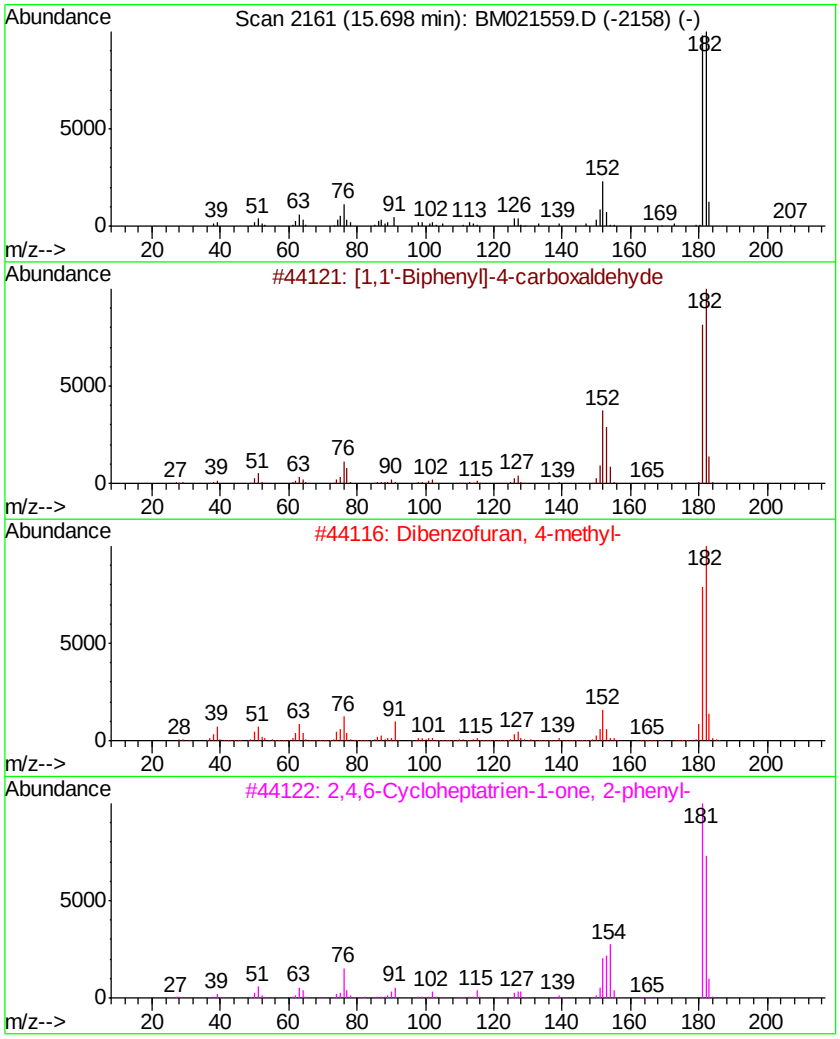
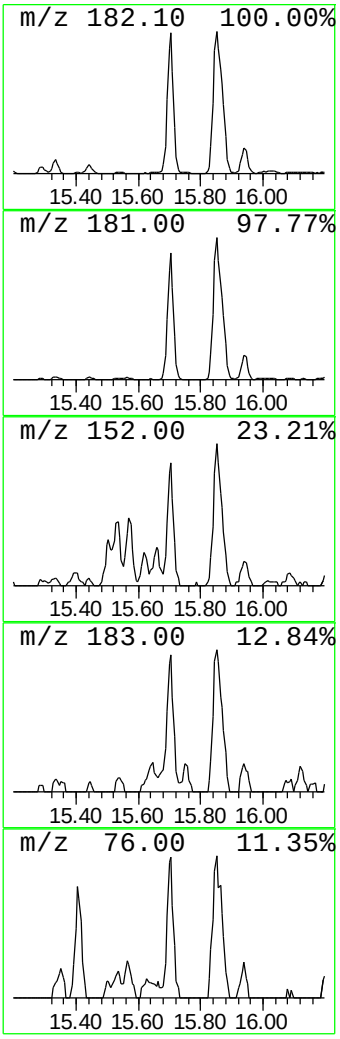
Peak Number 17 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.70	2.92 ng/ul	263397	Acenaphthene-d10	14.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





Library Search Compound Report

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Acq On : 19 Jul 2019 15:50
Operator : HP/JU
Sample : K3822-07DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF4B8DL

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

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

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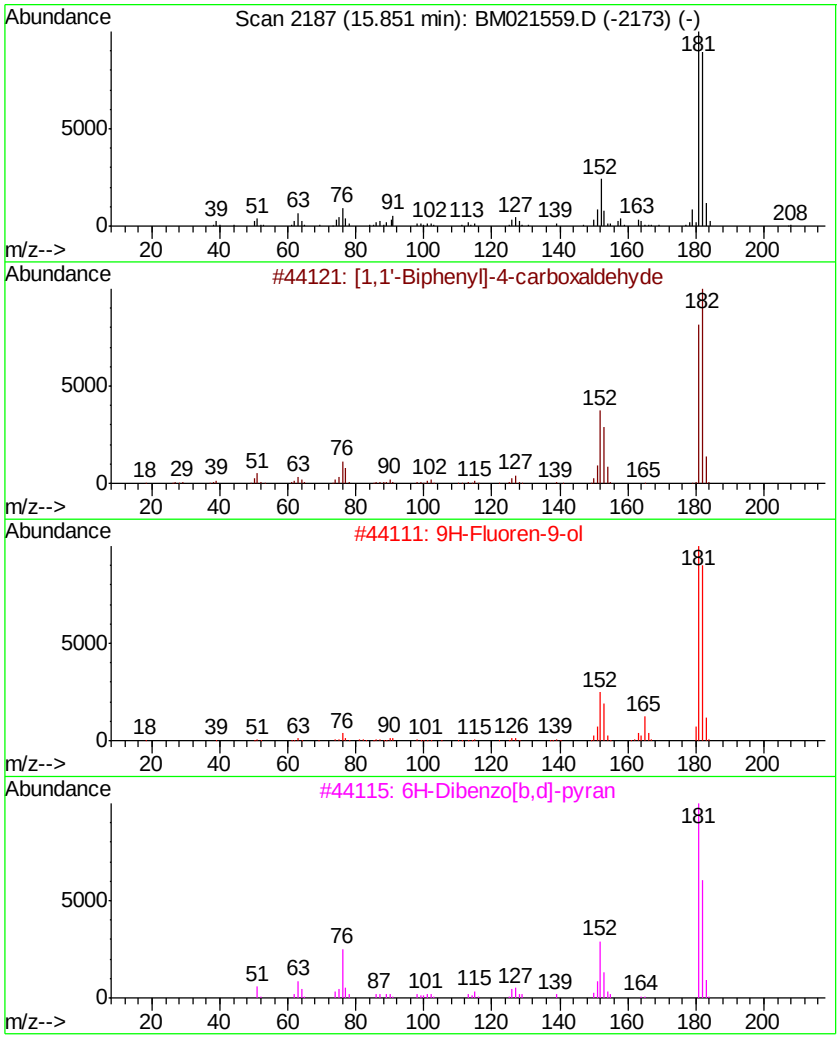
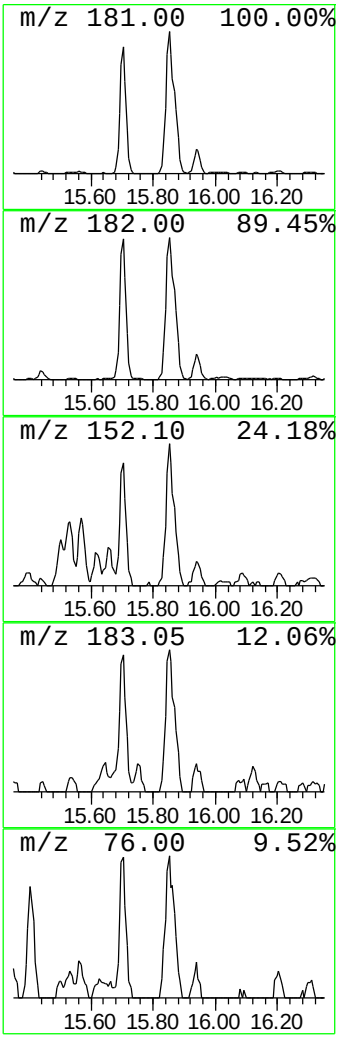
Peak Number 18 9H-Fluoren-9-ol Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.85	4.64 ng/ul	484675	Phenanthrene-d10	17.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	90
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	87
3	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	87
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	80
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78





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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF4B8DL

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Quant Title : SVOA CALIBRATION

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

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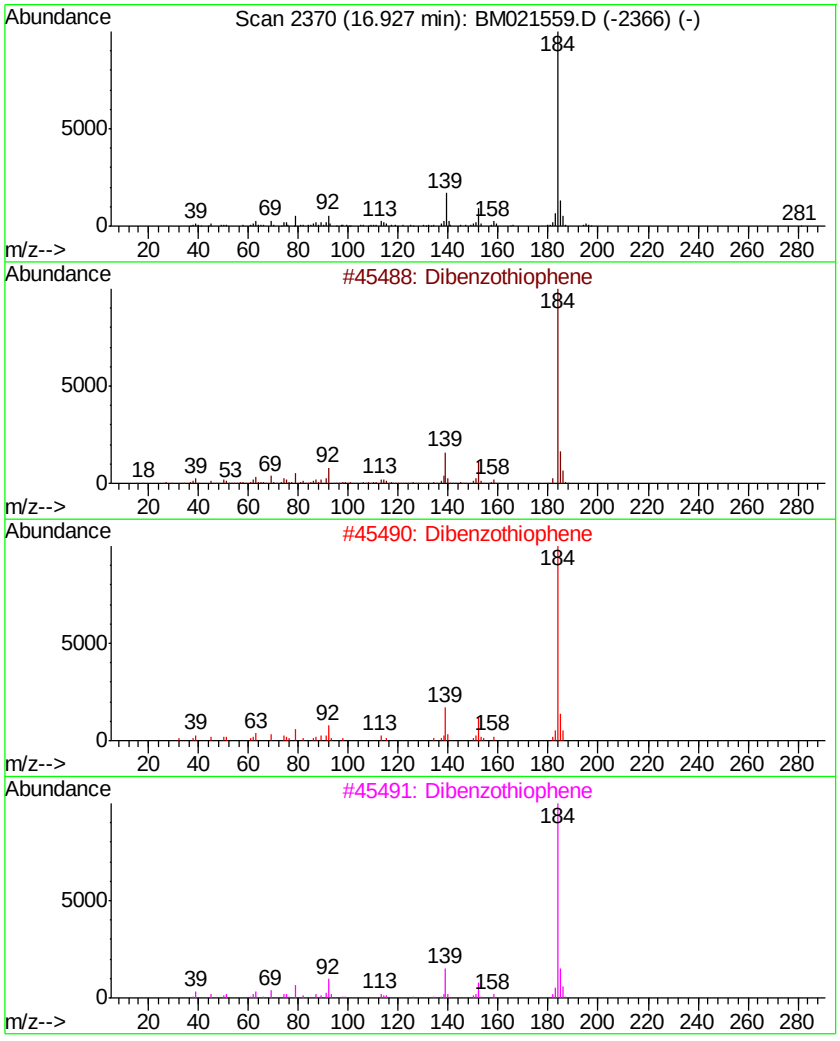
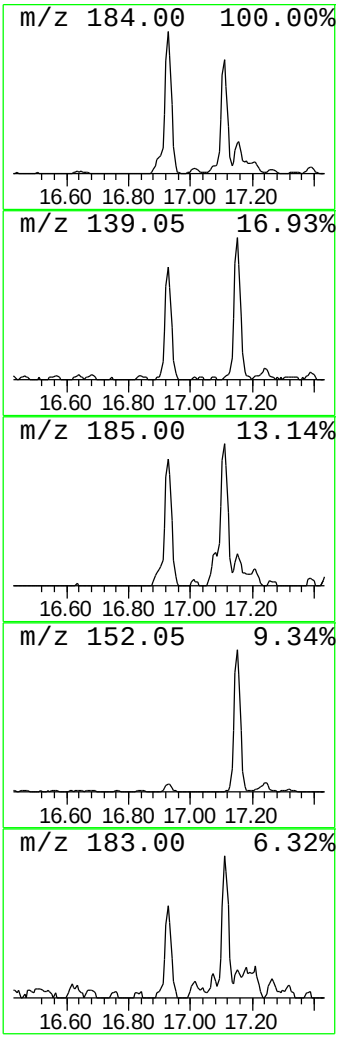
Peak Number 19 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.93	3.59 ng/ul	374767	Phenanthrene-d10	17.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Dibenzothiophene	184	C12H8S	000132-65-0	95
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Dibenzothiophene	184	C12H8S	000132-65-0	91





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Quant Title : SVOA CALIBRATION

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

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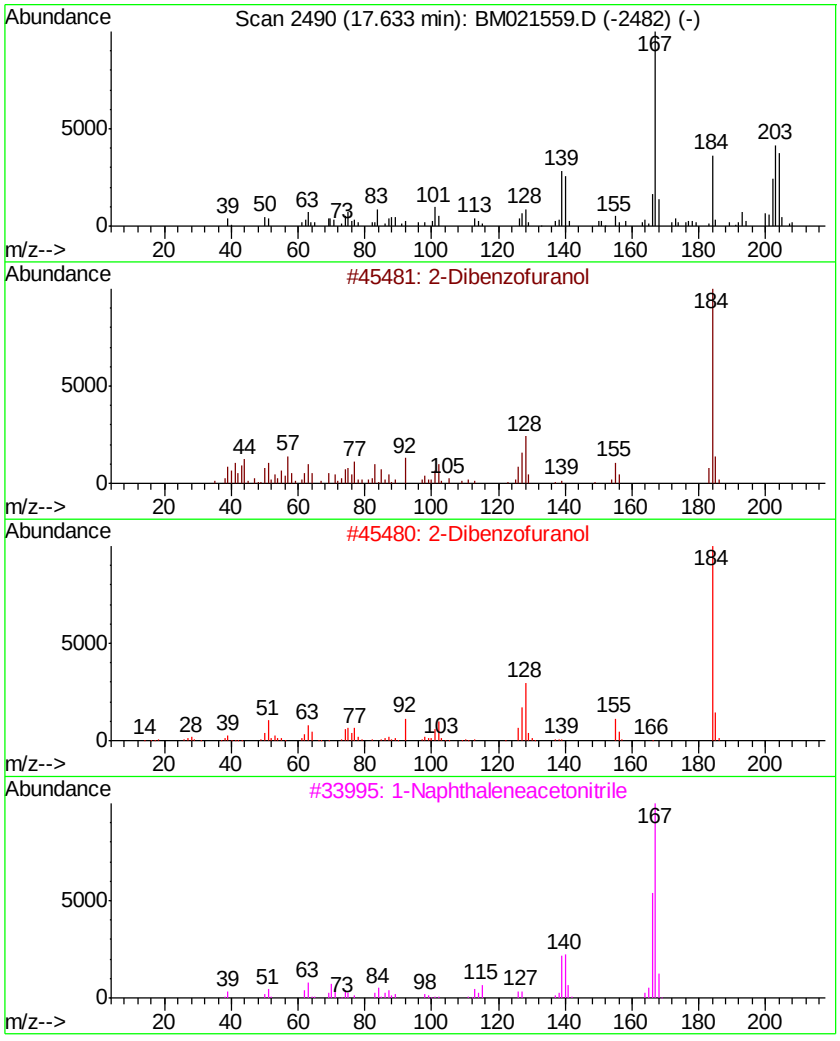
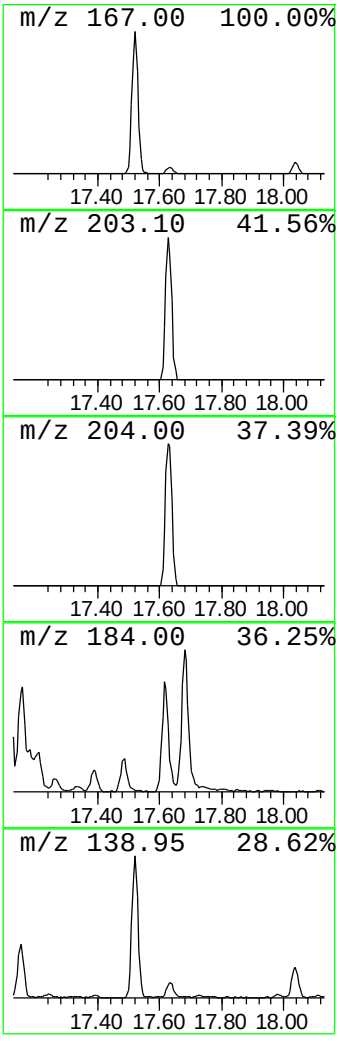
Peak Number 20 unknown-01 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.63	2.34 ng/ul	244604	Phenanthrene-d10	17.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Dibenzofuranol	184	C12H8O2	000086-77-1	47
2	2-Dibenzofuranol	184	C12H8O2	000086-77-1	43
3	1-Naphthaleneacetonitrile	167	C12H9N	000132-75-2	38
4	Carbazole	167	C12H9N	000086-74-8	38
5	2-Dibenzofuranol	184	C12H8O2	000086-77-1	35





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Operator : HP/JU
Sample : K3822-07DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF4B8DL

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

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

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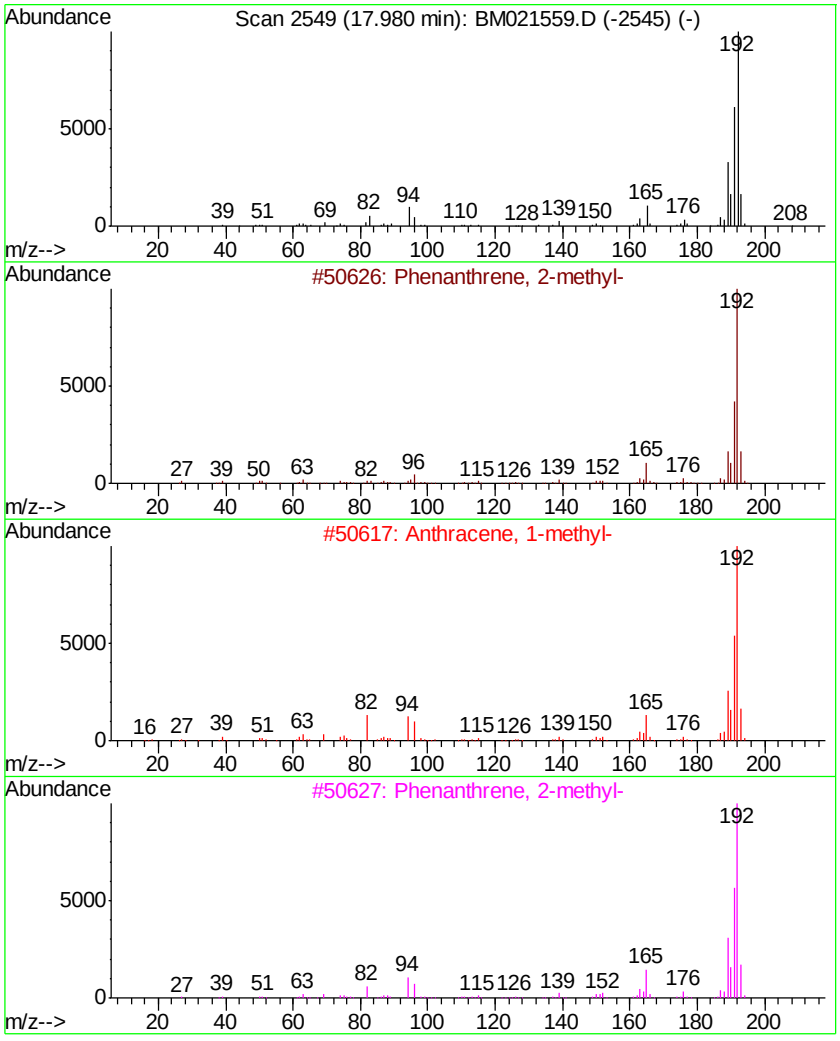
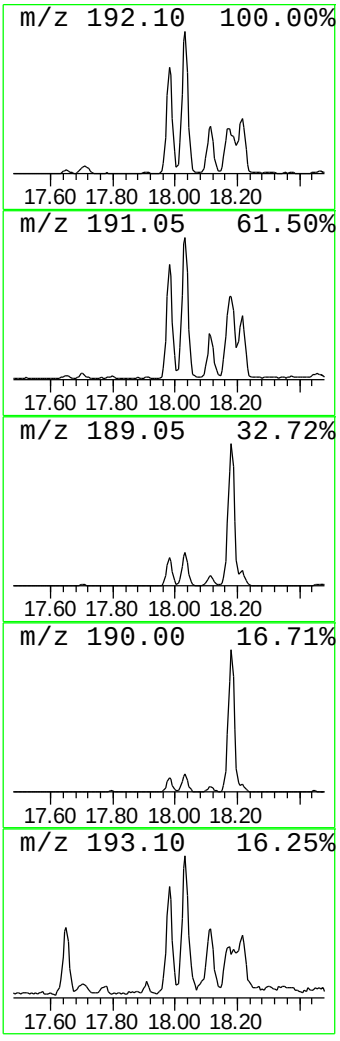
Peak Number 21 Phenanthrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.98	3.10 ng/ul	323354	Phenanthrene-d10	17.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





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Acq On : 19 Jul 2019 15:50
Operator : HP/JU
Sample : K3822-07DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF4B8DL

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

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

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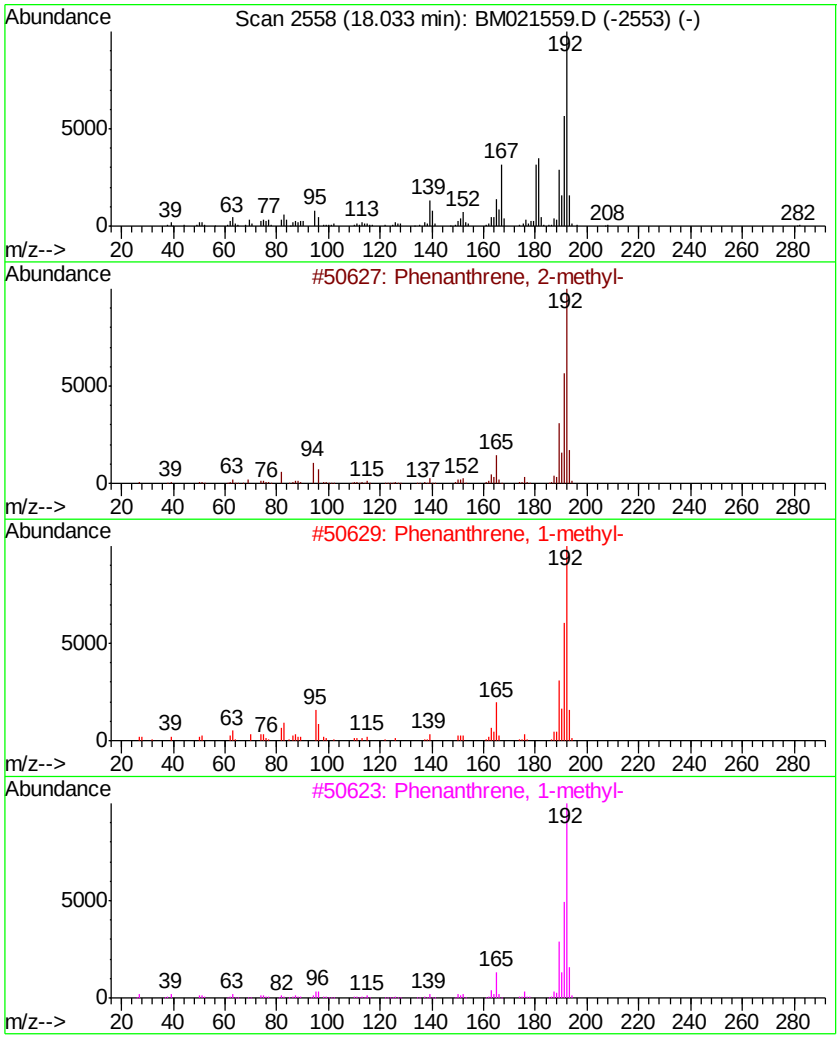
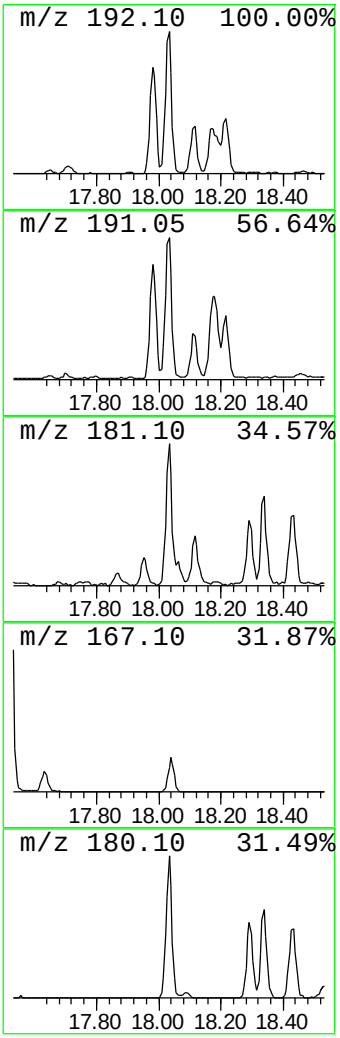
Peak Number 22 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	6.37 ng/ul	665241	Phenanthrene-d10	17.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83





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Sample : K3822-07DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF4B8DL

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Quant Title : SVOA CALIBRATION

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

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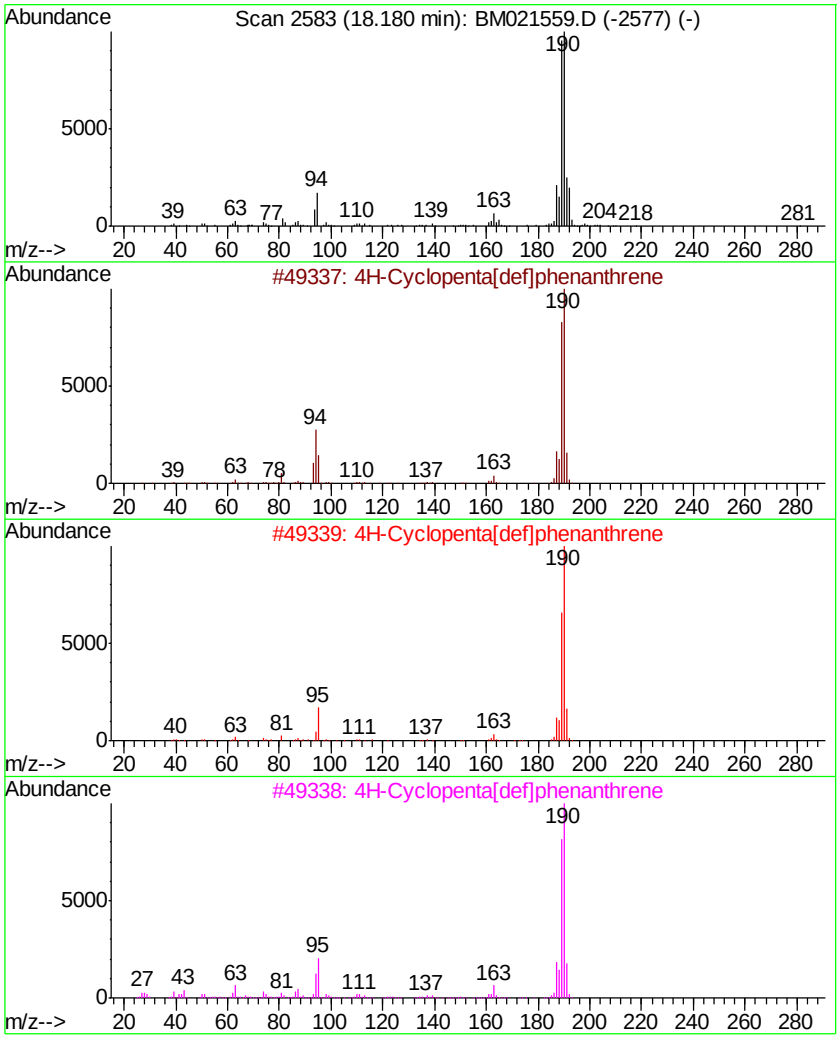
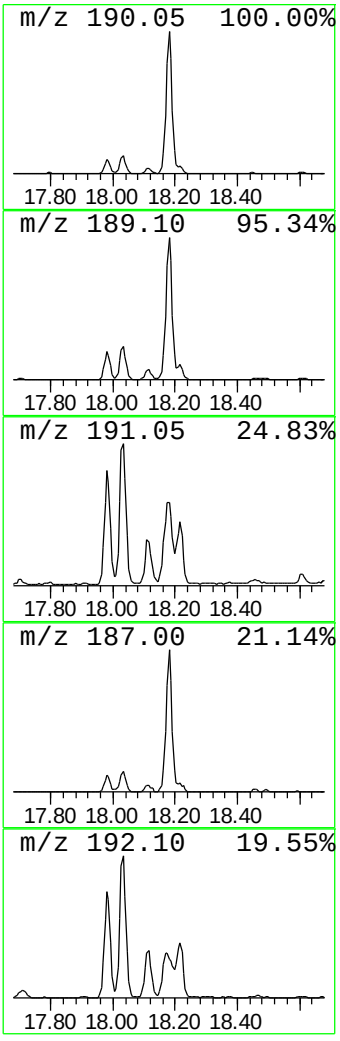
Peak Number 23 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	6.53 ng/ul	681405	Phenanthrene-d10	17.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
5	Methyl diselenide	190	C2H6Se2	007101-31-7	60





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Sample : K3822-07DL 10X
Misc :
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Instrument : BNA_M
ClientSampleId : BF4B8DL

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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 2-Phenylnaphthalene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	2.11 ng/ul	220200	Phenanthrene-d10	17.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	89
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
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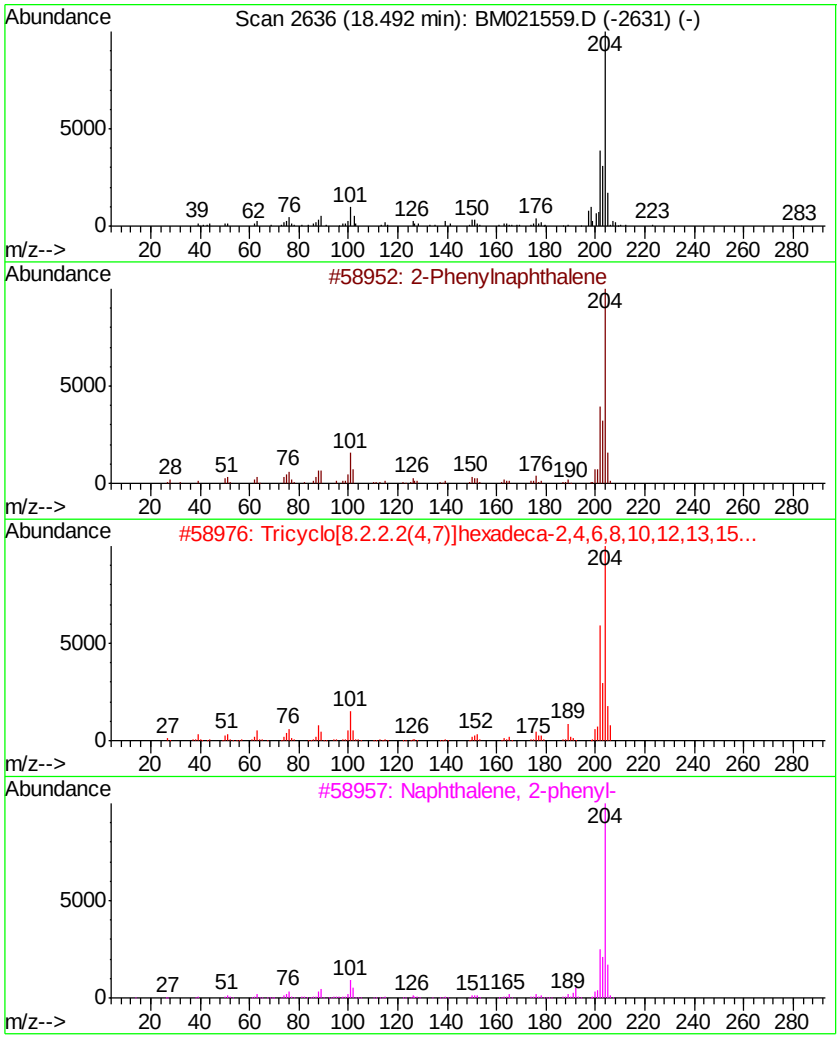

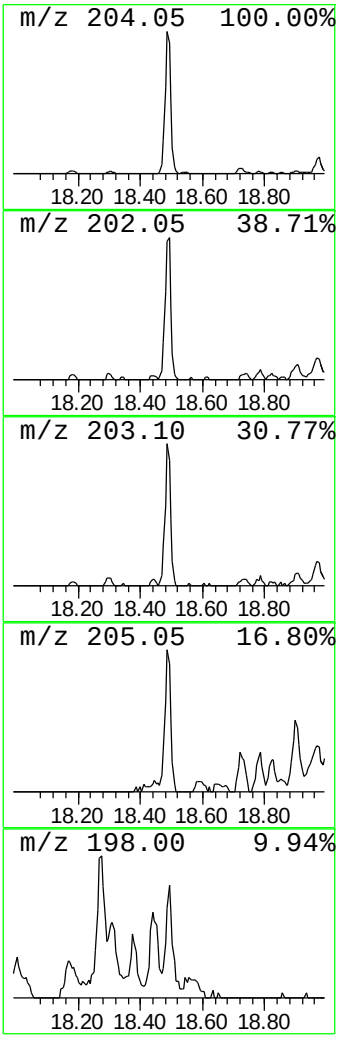

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Sample : K3822-07DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF4B8DL

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Quant Title : SVOA CALIBRATION

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

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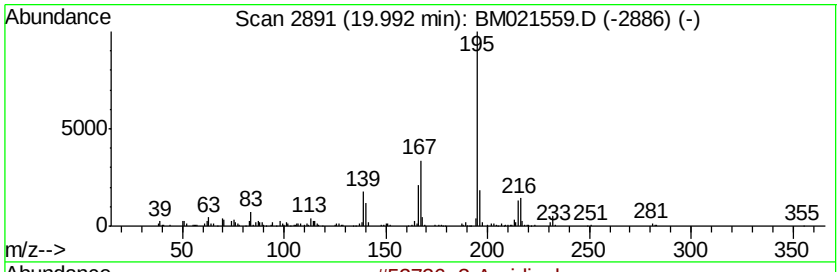
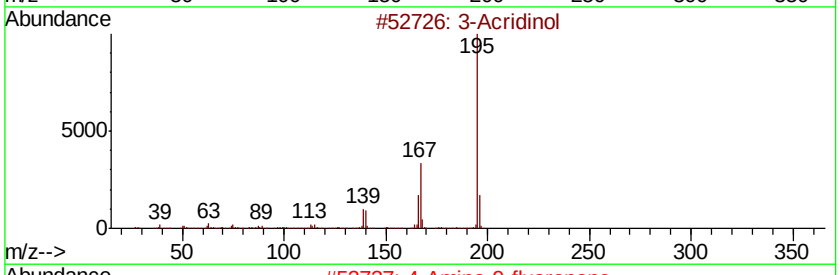
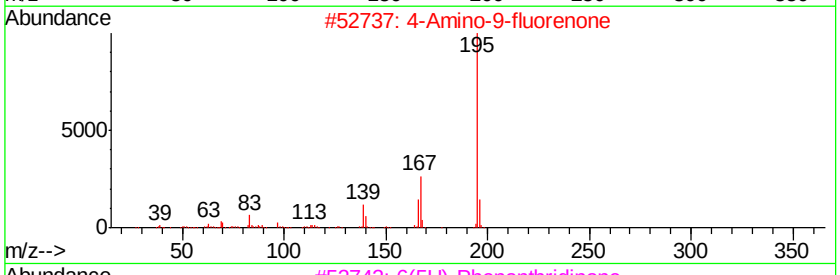
Peak Number 25 3-Acridinol Concentration Rank 19

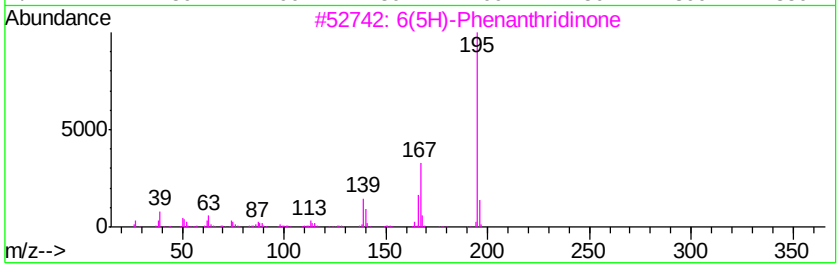
R.T.	EstConc	Area	Relative to ISTD	R.T.
19.99	2.77 ng/ul	445372	Chrysene-d12	21.30

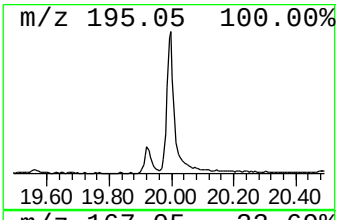
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Acridinol	195	C13H9NO	007132-70-9	96
2	4-Amino-9-fluorenone	195	C13H9NO	004269-15-2	94
3	6(5H)-Phenanthridinone	195	C13H9NO	001015-89-0	94
4	9(10H)-Acridinone	195	C13H9NO	000578-95-0	94
5	4-Amino-9-fluorenone	195	C13H9NO	004269-15-2	91

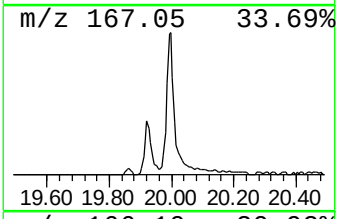


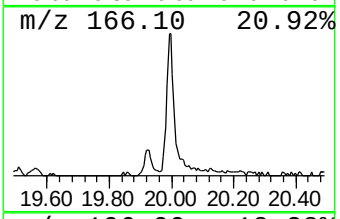


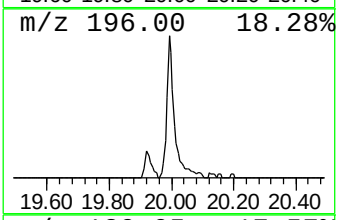


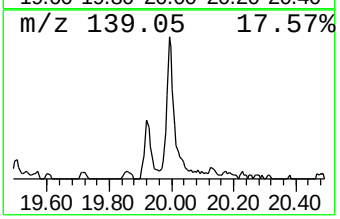












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Acq On : 19 Jul 2019 15:50
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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF4B8DL

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

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

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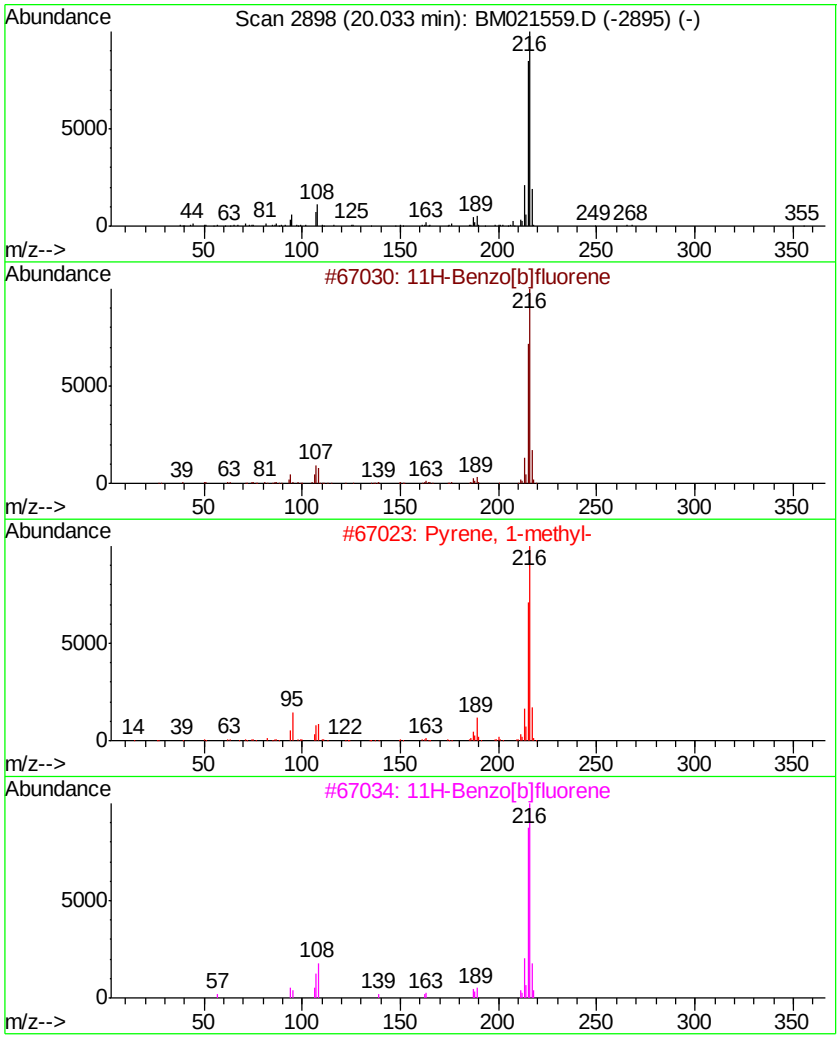
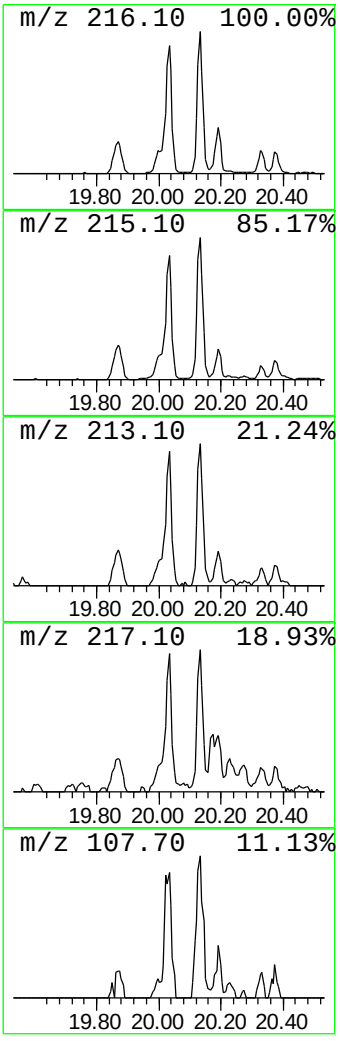
Peak Number 26 11H-Benzo[b]fluorene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.03	2.06 ng/ul	331757	Chrysene-d12	21.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF4B8DL

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Quant Title : SVOA CALIBRATION

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

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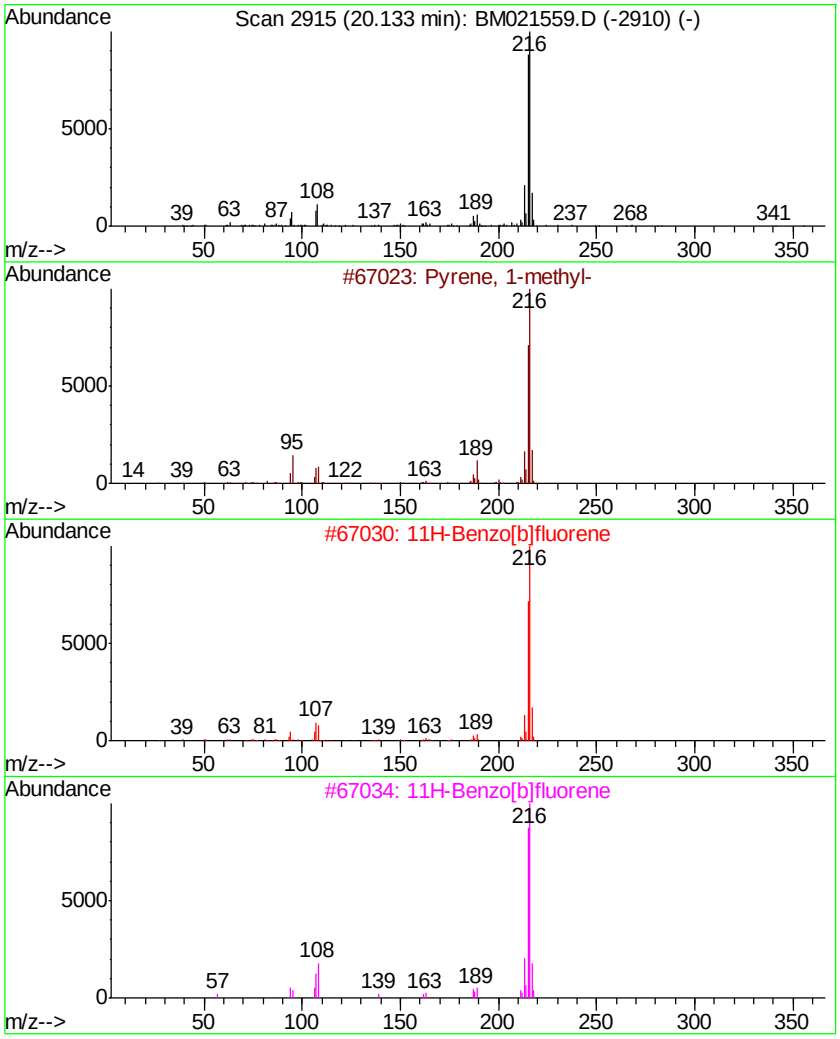
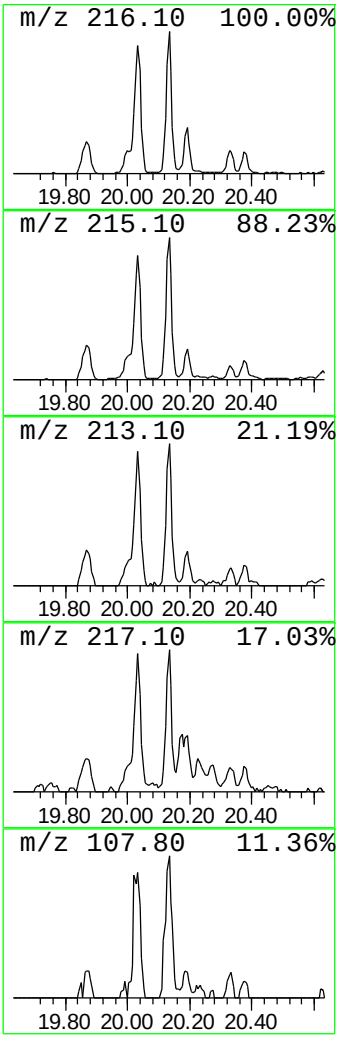
Peak Number 27 Pyrene, 1-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.13	2.08 ng/ul	334549	Chrysene-d12	21.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM071919\
Data File : BM021559.D
Acq On : 19 Jul 2019 15:50
Operator : HP/JU
Sample : K3822-07DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BF4B8DL

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

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

					Internal Standard		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1,3-dime...	5.37	3.8	ng/ul	165866	1	7.71	878848	20.0
Benzene, 1,2,3-tr...	7.35	4.0	ng/ul	175287	1	7.71	878848	20.0
Benzofuran	7.43	3.5	ng/ul	153028	1	7.71	878848	20.0
Indane	8.07	27.3	ng/ul	1199200	1	7.71	878848	20.0
Indene	8.24	12.4	ng/ul	544676	1	7.71	878848	20.0
Benzofuran, 7-met...	9.06	2.5	ng/ul	108700	1	7.71	878848	20.0
Benzofuran, 2-met...	9.18	5.7	ng/ul	349919	2	10.50	1234660	20.0
3-Phenylbut-1-ene	9.89	3.0	ng/ul	181873	2	10.50	1234660	20.0
1H-Indene, 1-methyl-	9.99	2.6	ng/ul	162317	2	10.50	1234660	20.0
2-Benzothiophene #	10.67	28.8	ng/ul	1775550	2	10.50	1234660	20.0
Naphthalene, 1-me...	12.38	34.3	ng/ul	2116230	2	10.50	1234660	20.0
Naphthalene, 1-et...	13.38	2.1	ng/ul	189442	3	14.36	1804190	20.0
Naphthalene, 2,6-...	13.51	3.1	ng/ul	275619	3	14.36	1804190	20.0
Naphthalene, 2,3-...	13.67	5.3	ng/ul	480285	3	14.36	1804190	20.0
2-Naphthalenecarb...	14.50	3.8	ng/ul	338330	3	14.36	1804190	20.0
Fluorene, 1,4-dih...	15.57	2.5	ng/ul	221668	3	14.36	1804190	20.0
[1,1'-Biphenyl]-4...	15.70	2.9	ng/ul	263397	3	14.36	1804190	20.0
9H-Fluoren-9-ol	15.85	4.6	ng/ul	484675	4	17.11	2088050	20.0
Dibenzothiophene	16.93	3.6	ng/ul	374767	4	17.11	2088050	20.0
unknown-01	17.63	2.3	ng/ul	244604	4	17.11	2088050	20.0
Phenanthrene, 2-m...	17.98	3.1	ng/ul	323354	4	17.11	2088050	20.0
Phenanthrene, 1-m...	18.03	6.4	ng/ul	665241	4	17.11	2088050	20.0
4H-Cyclopenta[def...	18.18	6.5	ng/ul	681405	4	17.11	2088050	20.0
2-Phenylnaphthalene	18.49	2.1	ng/ul	220200	4	17.11	2088050	20.0
3-Acridinol	19.99	2.8	ng/ul	445372	5	21.30	3217040	20.0
11H-Benzo[b]fluorene	20.03	2.1	ng/ul	331757	5	21.30	3217040	20.0
Pyrene, 1-methyl-	20.13	2.1	ng/ul	334549	5	21.30	3217040	20.0