LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
Data File : BM025020.D
Acq On : 22 Feb 2020 11:08
Operator : CG/JU
Sample : L1507-17
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD15

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-BM020620MA.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.704	811	819	829	rBV	6591962	9885857	3.01%	0.270%
2	7.863	836	846	861	rBV	9960192	15774672	4.81%	0.431%
3	9.510	1116	1126	1136	rBV4	2383320	5673726	1.73%	0.155%
4	10.175	1227	1239	1244	rVB2	41447406	102955791	31.39%	2.811%
5	10.916	1358	1365	1377	rVV	5159148	8554249	2.61%	0.234%
6	11.810	1502	1517	1521	rBV2	50576297	134048835	40.87%	3.660%
7	11.898	1527	1532	1539	rVV2	2676038	5368403	1.64%	0.147%
8	12.022	1539	1553	1562	rVB2	38440744	77344176	23.58%	2.112%
9	12.827	1682	1690	1701	rVV	27586205	42243847	12.88%	1.153%
10	13.022	1716	1723	1734	rVB	12766707	21813976	6.65%	0.596%
11	13.157	1734	1746	1747	rBV	11702140	16897379	5.15%	0.461%
12	13.322	1765	1774	1779	rBV	16929018	31501650	9.60%	0.860%
13	13.374	1779	1783	1791	rVV	13460950	18992126	5.79%	0.519%
14	13.557	1807	1814	1817	rBV	6770071	10403979	3.17%	0.284%
15	13.716	1831	1841	1849	rBV4	4708791	9059068	2.76%	0.247%
16	14.022	1885	1893	1896	rVV	11482505	18246275	5.56%	0.498%
17	14.116	1896	1909	1912	rVV2	61711560	207659354	63.31%	5.670%
18	14.151	1912	1915	1921	rVB	6846295	8935272	2.72%	0.244%
19	14.227	1921	1928	1937	rBV	2379411	5720351	1.74%	0.156%
20	14.321	1937	1944	1951	rVB	7383450	11893930	3.63%	0.325%
21	14.445	1951	1965	1969	rBV4	50925883	134199927	40.91%	3.664%
22	15.104	2065	2077	2081	rVV2	54548737	155833341	47.51%	4.255%
23	15.169	2083	2088	2090	rBV	5601400	8096039	2.47%	0.221%
24	15.198	2090	2093	2096	rVV	9331369	13325792	4.06%	0.364%
25	15.233	2096	2099	2104	rVV	18372488	24240928	7.39%	0.662%
26	15.316	2110	2113	2117	rVV	9505261	12122195	3.70%	0.331%
27	15.368	2117	2122	2132	rVB	21464157	30117798	9.18%	0.822%
28	15.516	2132	2147	2154	rBV	20510399	44441038	13.55%	1.213%
29	15.598	2158	2161	2167	rVB	4071226	5763185	1.76%	0.157%
30	16.074	2234	2242	2247	rVV2	13311802	27446795	8.37%	0.749%
31	16.121	2247	2250	2255	rVV2	5190489	7723023	2.35%	0.211%
32	16.221	2261	2267	2272	rVV3	5407751	9470102	2.89%	0.259%
33	16.310	2278	2282	2285	rVV	4982498	8208157	2.50%	0.224%
34	16.345	2285	2288	2292	rVV2	5247612	8736703	2.66%	0.239%

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Instrument : BNA_M
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Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Title : SVOA CALIBRATION

35	16.445	2298	2305	2311	rVV	6049411	11926671	3.64%	0.326%
36	16.510	2311	2316	2322	rVV2	5746299	11681253	3.56%	0.319%
37	16.586	2322	2329	2342	rVB2	32377000	57342196	17.48%	1.566%
38	16.874	2354	2378	2381	rBV6	61035983	328016201	100.00%	8.956%
39	16.945	2386	2390	2393	rVB2	42309928	56640927	17.27%	1.546%
40	17.180	2418	2430	2434	rBV3	24735812	46197392	14.08%	1.261%
41	17.292	2443	2449	2454	rBV2	9396634	14066601	4.29%	0.384%
42	17.345	2454	2458	2467	rVB4	4240980	9009683	2.75%	0.246%
43	17.486	2477	2482	2490	rVB	3521601	6633988	2.02%	0.181%
44	17.645	2498	2509	2513	rBV	26391459	44007751	13.42%	1.202%
45	17.698	2513	2518	2524	rVB	36062170	56364814	17.18%	1.539%
46	17.786	2524	2533	2537	rBV	9787594	18087978	5.51%	0.494%
47	17.857	2537	2545	2555	rVB4	49891436	119035020	36.29%	3.250%
48	18.151	2590	2595	2600	rVB	27461566	37084305	11.31%	1.013%
49	18.392	2629	2636	2641	rBV2	5609599	9015702	2.75%	0.246%
50	18.445	2641	2645	2649	rBV	3857949	5113408	1.56%	0.140%
51	18.574	2660	2667	2672	rBV2	5582581	12147174	3.70%	0.332%
52	18.639	2672	2678	2688	rVB2	4276735	11417442	3.48%	0.312%
53	18.768	2688	2700	2705	rVB4	4230530	12220362	3.73%	0.334%
54	18.880	2705	2719	2723	rBV5	61288410	251602239	76.70%	6.869%
55	18.956	2729	2732	2736	rVB	5897543	6726108	2.05%	0.184%
56	19.092	2748	2755	2760	rBV	15450441	23309057	7.11%	0.636%
57	19.239	2769	2780	2784	rVV3	75476940	243577094	74.26%	6.650%
58	19.298	2788	2790	2796	rVB2	12324877	13572579	4.14%	0.371%
59	19.398	2801	2807	2812	rBV	16773660	23055173	7.03%	0.629%
60	19.451	2812	2816	2822	rVB	7265644	10230884	3.12%	0.279%
61	19.551	2823	2833	2837	rBV3	13116419	35092922	10.70%	0.958%
62	19.592	2837	2840	2844	rVB	9944779	11454324	3.49%	0.313%
63	19.674	2849	2854	2857	rBV2	10856665	18423519	5.62%	0.503%
64	19.721	2857	2862	2866	rVB	34804073	53195722	16.22%	1.452%
65	19.821	2873	2879	2883	rBV	36296161	55687546	16.98%	1.520%
66	19.874	2883	2888	2891	rVV2	16694100	27780134	8.47%	0.758%
67	19.909	2891	2894	2898	rVB	8907803	10407090	3.17%	0.284%
68	19.951	2898	2901	2906	rVB	4914363	6329151	1.93%	0.173%
69	20.009	2907	2911	2914	rBV	7060899	8297442	2.53%	0.227%
70	20.051	2914	2918	2923	rBV2	7378333	10947933	3.34%	0.299%
71	20.280	2951	2957	2959	rBV5	2679878	5312844	1.62%	0.145%

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Instrument : BNA_M
ClientSampleId : DBD15

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
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72	20.339	2964	2967	2970	rVV3	4826403	6725977	2.05%	0.184%
73	20.421	2976	2981	2985	rBV	4920280	8701539	2.65%	0.238%
74	20.462	2985	2988	2994	rVB3	4181747	6609622	2.02%	0.180%
75	20.621	3010	3015	3019	rBV	14380387	21969704	6.70%	0.600%
76	20.668	3019	3023	3026	rVV	17828317	26044055	7.94%	0.711%
77	20.703	3026	3029	3037	rVV3	17136028	32301413	9.85%	0.882%
78	20.862	3053	3056	3066	rVB	4493248	8035974	2.45%	0.219%
79	20.992	3066	3078	3081	rBV4	61683622	134382614	40.97%	3.669%
80	21.045	3081	3087	3094	rVB3	46904126	84169993	25.66%	2.298%
81	21.145	3100	3104	3109	rBV	28843968	36831303	11.23%	1.006%
82	21.286	3124	3128	3134	rVV2	12166629	18398734	5.61%	0.502%
83	21.462	3154	3158	3161	rVV2	4372658	6666025	2.03%	0.182%
84	21.515	3161	3167	3170	rVV	11484869	18413364	5.61%	0.503%
85	21.562	3170	3175	3179	rVV2	5600775	9304973	2.84%	0.254%
86	21.633	3182	3187	3188	rVV2	4085351	6110471	1.86%	0.167%
87	21.656	3188	3191	3194	rVV	7183197	9956455	3.04%	0.272%
88	21.697	3194	3198	3200	rVV	7304084	10893698	3.32%	0.297%
89	21.727	3200	3203	3208	rVV2	11390295	15051221	4.59%	0.411%
90	21.780	3208	3212	3221	rVV3	5380709	10145492	3.09%	0.277%
91	22.227	3283	3288	3297	rVB2	3090411	5859224	1.79%	0.160%
92	22.474	3319	3330	3334	rBV2	33892495	90176721	27.49%	2.462%
93	22.609	3348	3353	3358	rVB	7370981	10768445	3.28%	0.294%
94	22.815	3382	3388	3394	rBV3	2072351	5034202	1.53%	0.137%
95	22.897	3394	3402	3409	rVB	18854815	35577364	10.85%	0.971%
96	22.992	3409	3418	3422	rBV2	28689287	53981670	16.46%	1.474%
97	23.056	3422	3429	3432	rVV2	2427299	5840216	1.78%	0.159%
98	23.109	3432	3438	3445	rVB	9556395	16884901	5.15%	0.461%
99	25.080	3764	3773	3781	rVB	8033395	20844769	6.35%	0.569%
100	25.685	3866	3876	3890	rBV	4423266	13232419	4.03%	0.361%

Sum of corrected areas: 3662621126

LSC Report - Integrated Chromatogram

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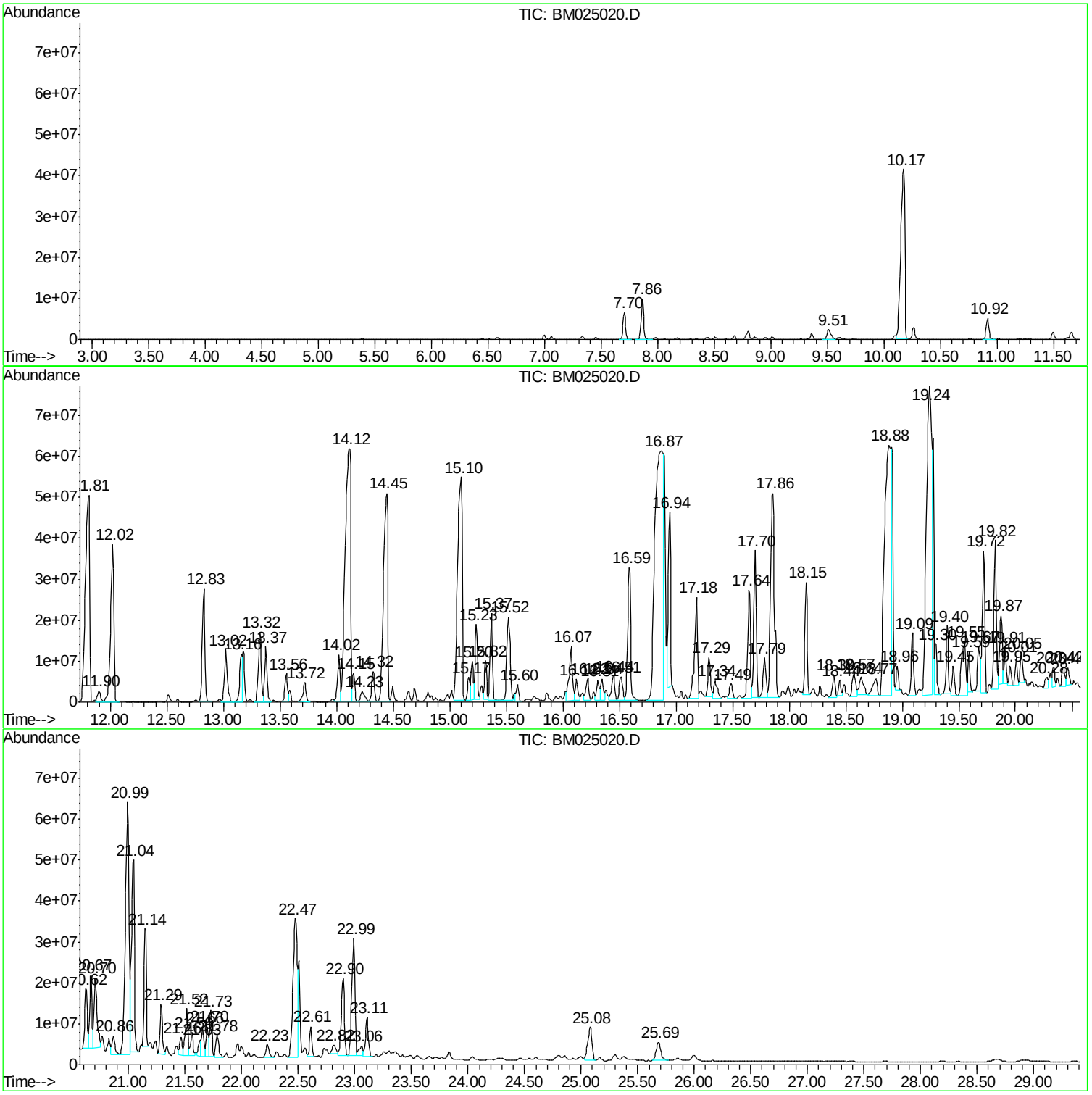
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD15

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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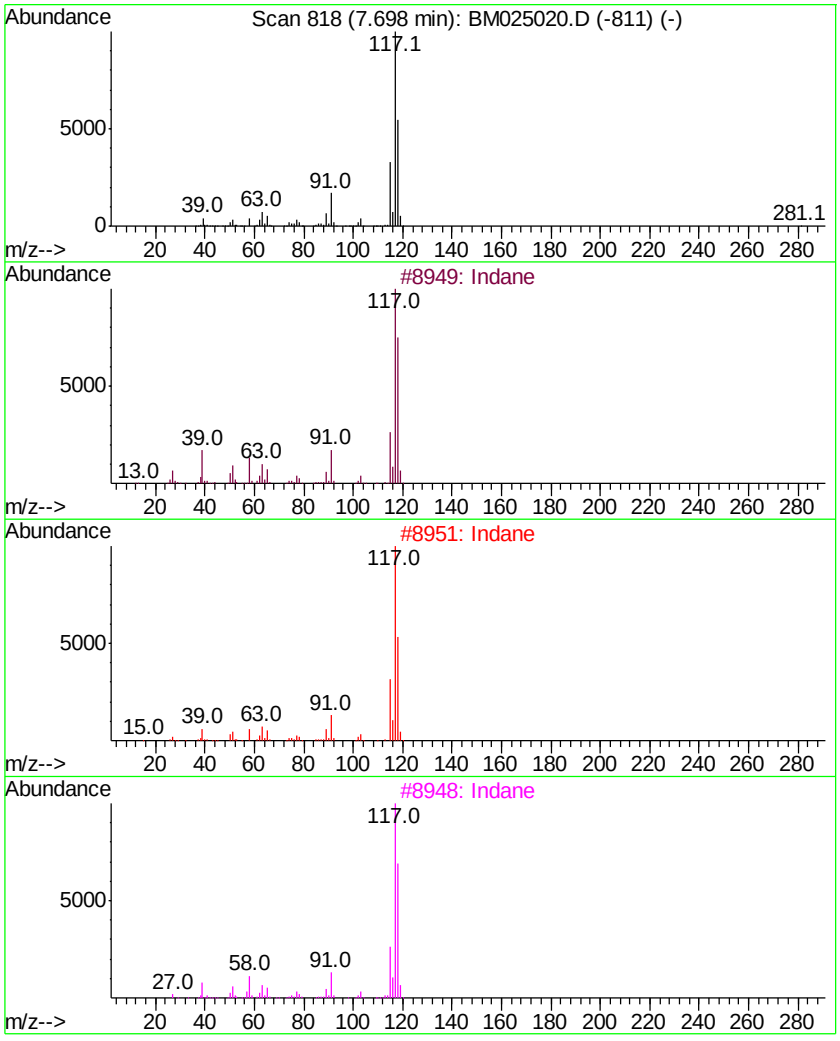
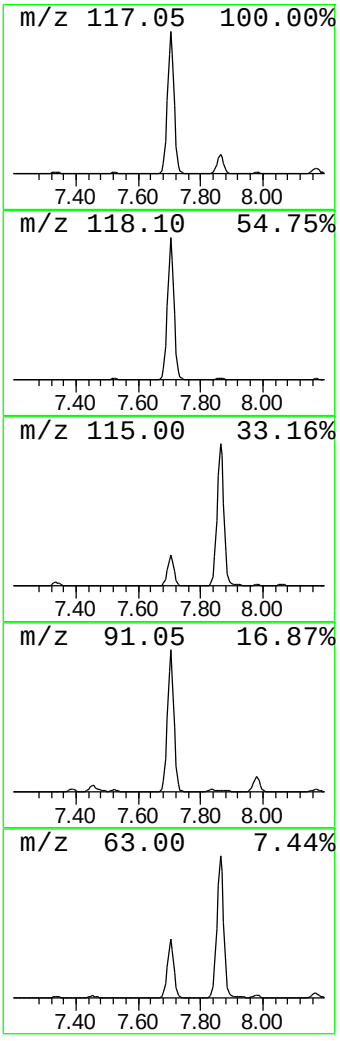
****

Peak Number 1 Indane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.70	20.00 ng/ul	9885860	1,4-Dichlorobenzene-d4	7.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	91
2	Indane	118	C9H10	000496-11-7	87
3	Indane	118	C9H10	000496-11-7	64
4	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	59
5	Benzeneethanol, .beta.-ethenyl-	148	C10H12O	006052-63-7	53





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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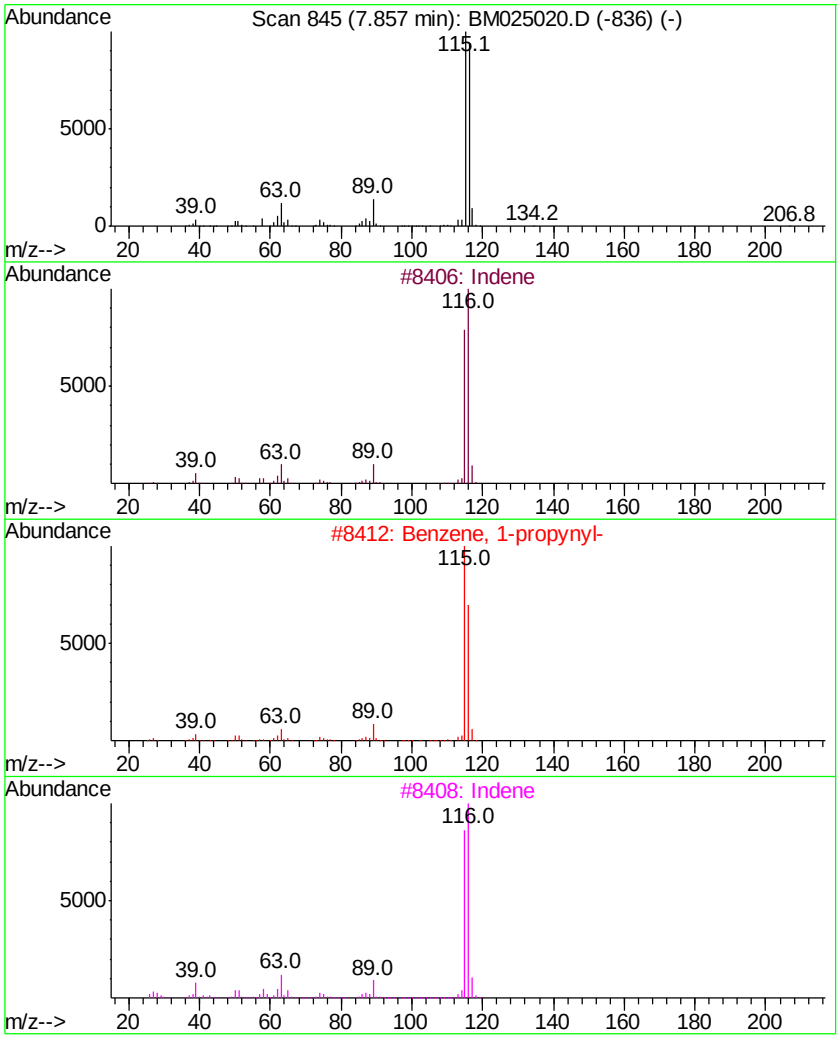
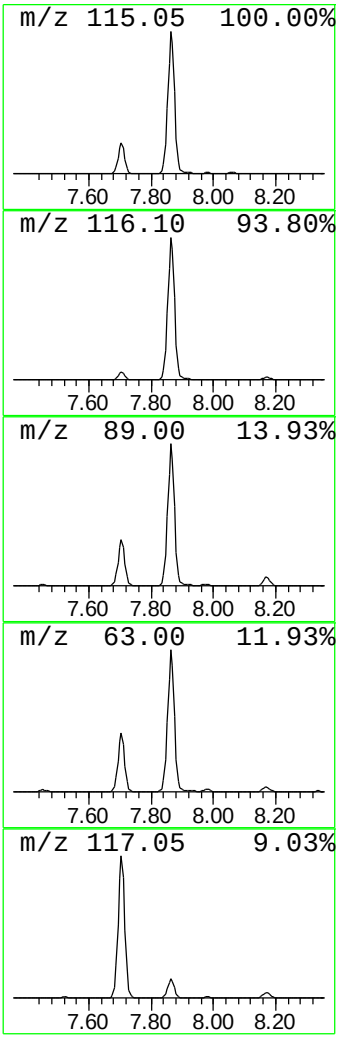
Peak Number 2 Indene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.86	31.91 ng/ul	15774700	1,4-Dichlorobenzene-d4	7.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	95
3	Indene	116	C9H8	000095-13-6	95
4	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	94
5	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91





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Quant Title : SVOA CALIBRATION

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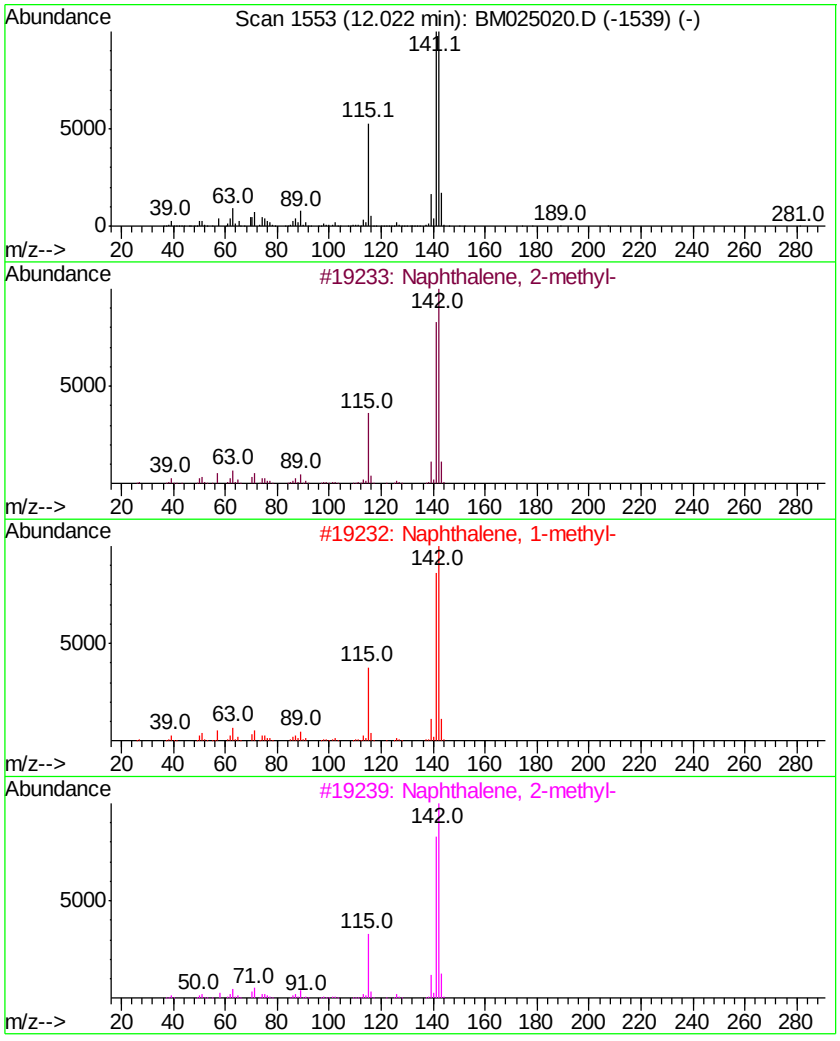
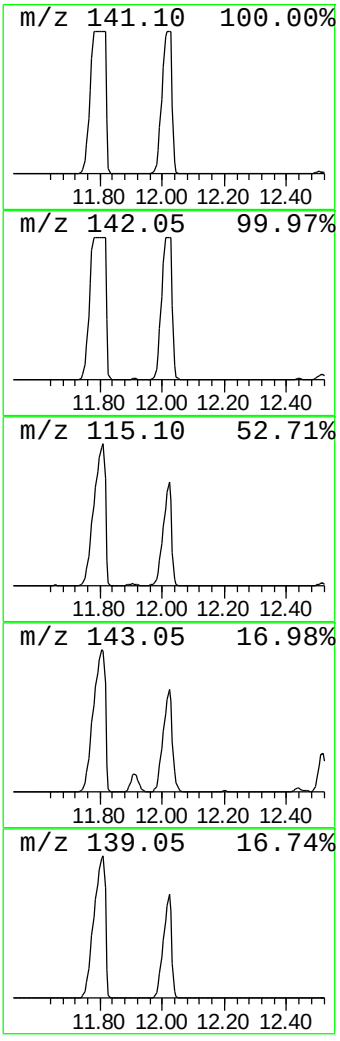
Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	15.02 ng/ul	77344200	Naphthalene-d8	10.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
4	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	94
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Library Search Compound Report

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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Naphthalene, 1-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	23.91 ng/ul	21814000	Acenaphthene-d10	14.01

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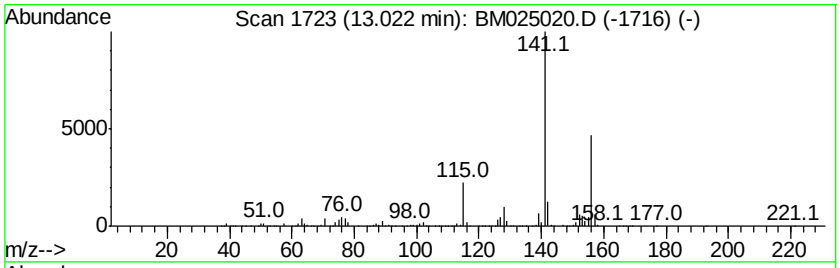
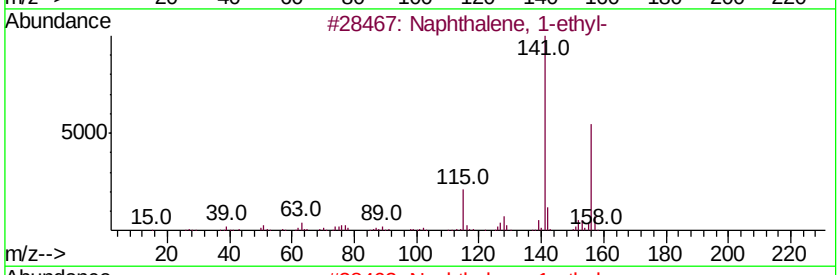
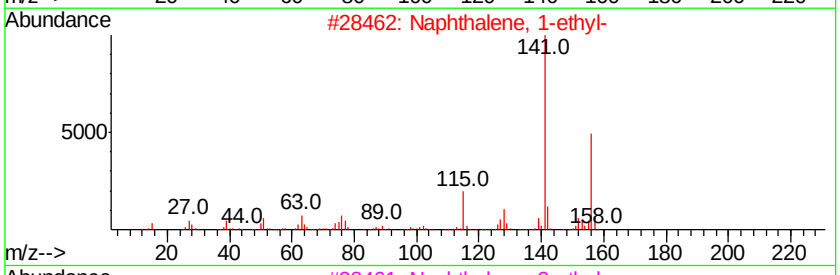
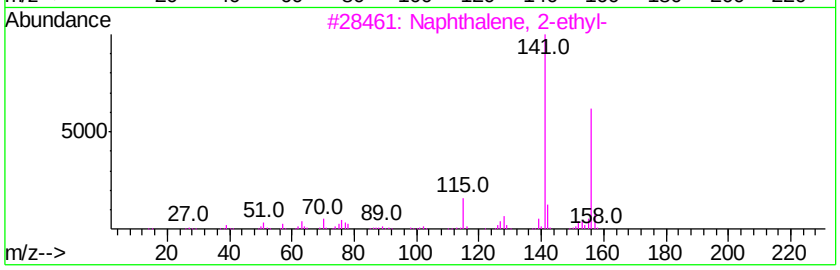
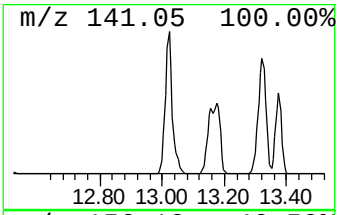
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94

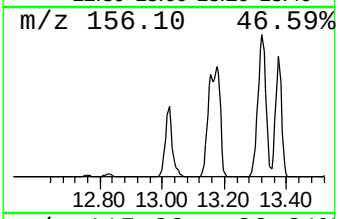


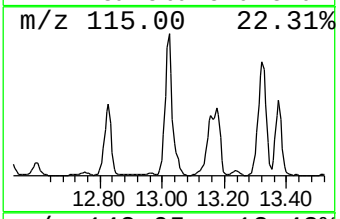


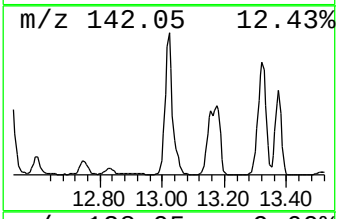


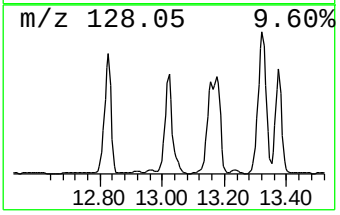












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Acq On : 22 Feb 2020 11:08
Operator : CG/JU
Sample : L1507-17
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD15

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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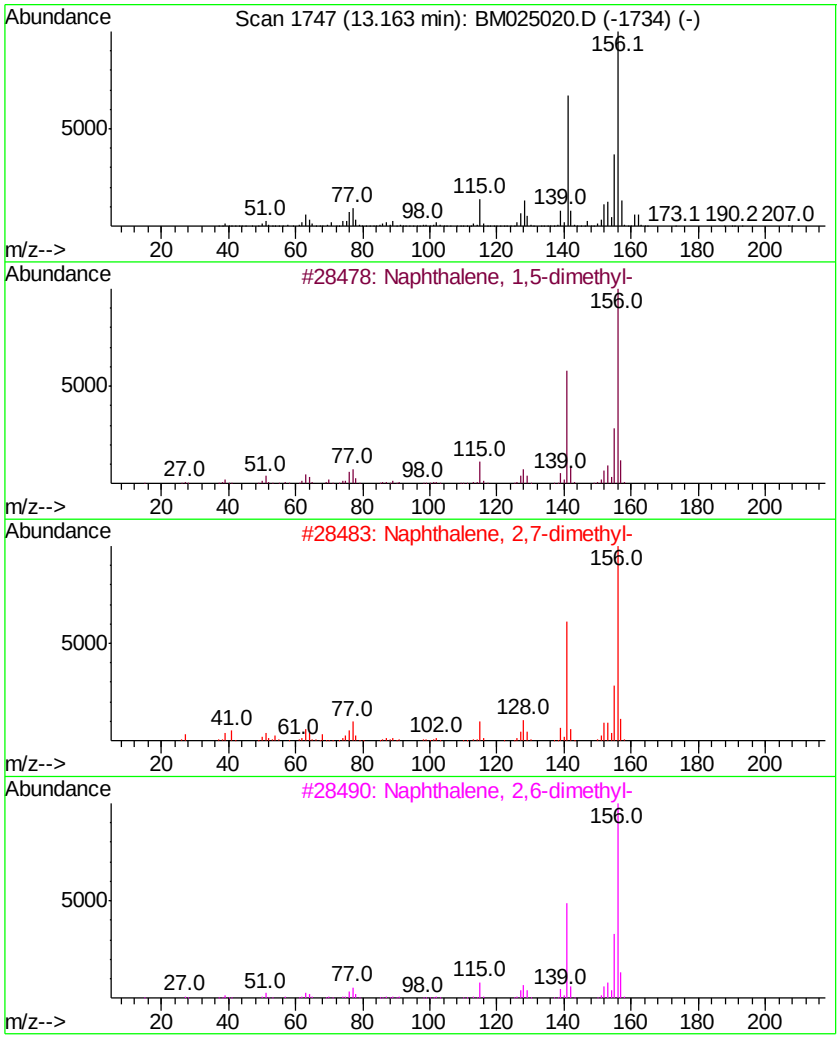
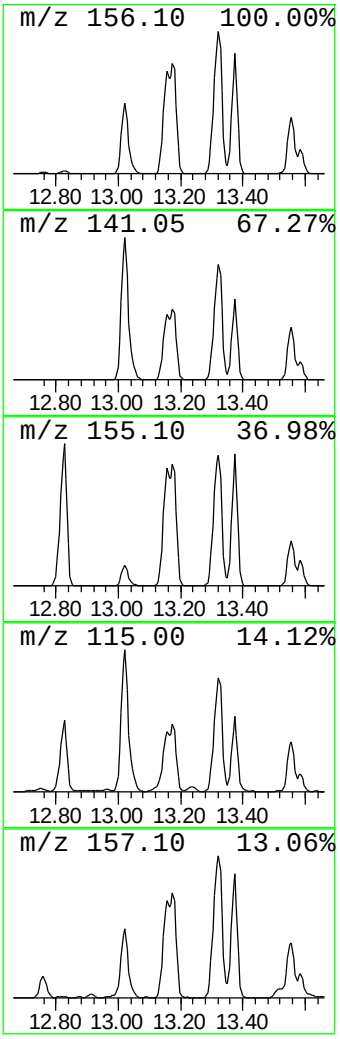
Peak Number 5 Naphthalene, 1,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	18.52 ng/ul	16897400	Acenaphthene-d10	14.01

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





Library Search Compound Report

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Acq On : 22 Feb 2020 11:08
Operator : CG/JU
Sample : L1507-17
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD15

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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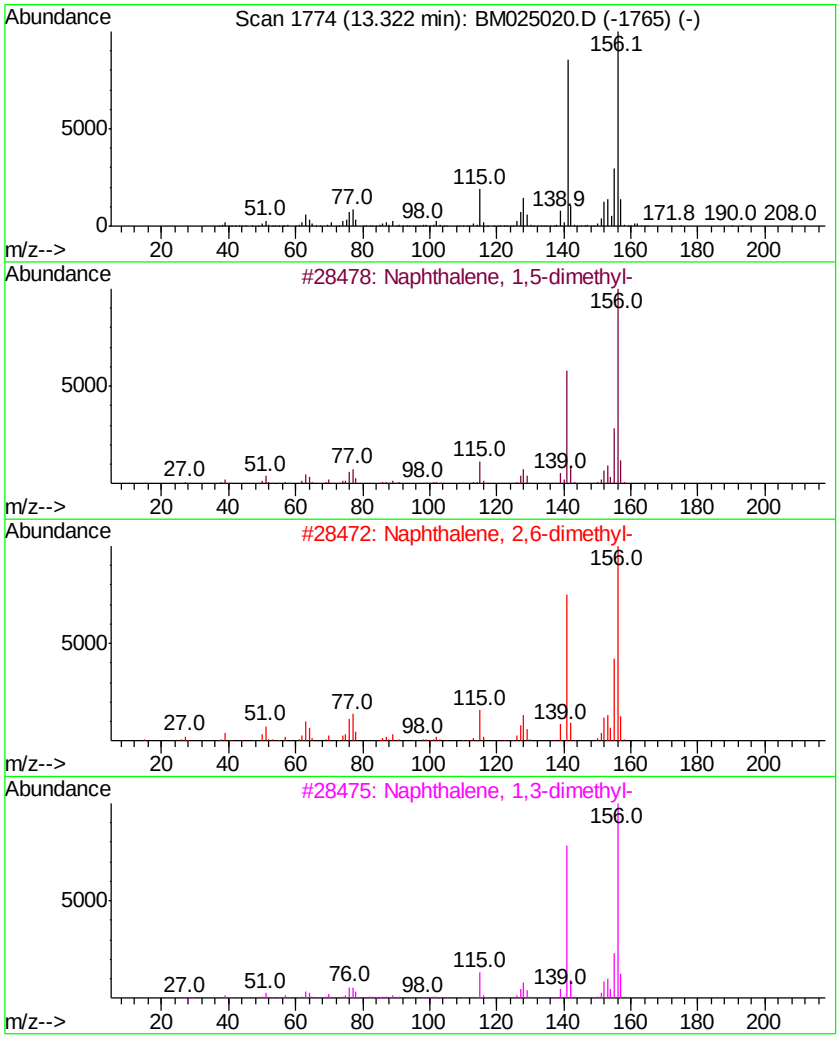
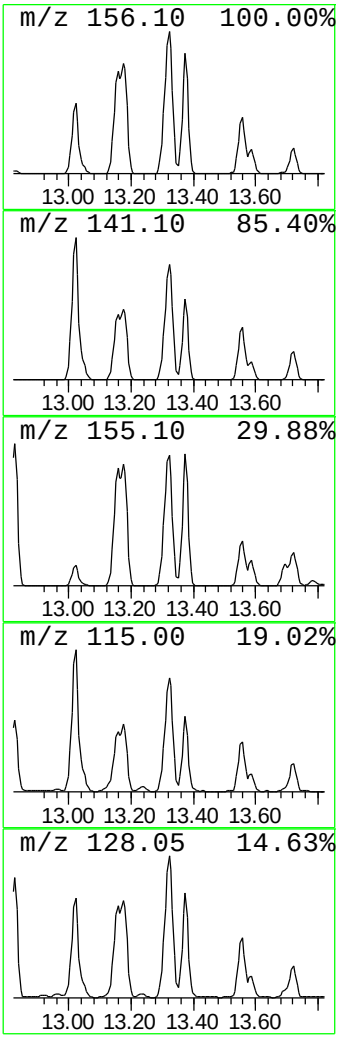
Peak Number 6 Naphthalene, 2,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	34.53 ng/ul	31501700	Acenaphthene-d10	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





Library Search Compound Report

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Acq On : 22 Feb 2020 11:08
Operator : CG/JU
Sample : L1507-17
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD15

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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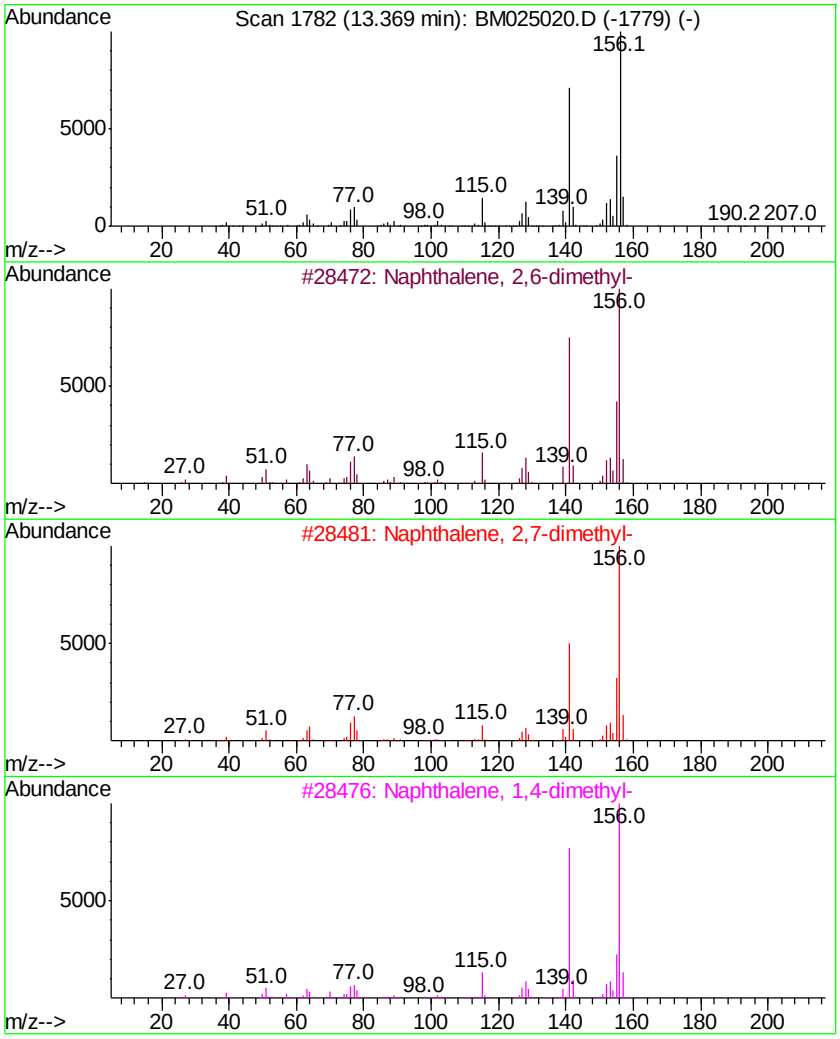
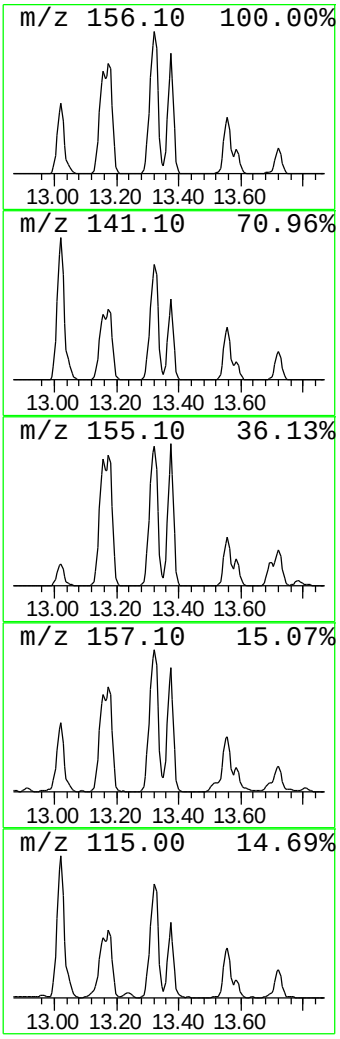
Peak Number 7 Naphthalene, 2,7-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	20.82 ng/ul	18992100	Acenaphthene-d10	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97





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Acq On : 22 Feb 2020 11:08
Operator : CG/JU
Sample : L1507-17
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD15

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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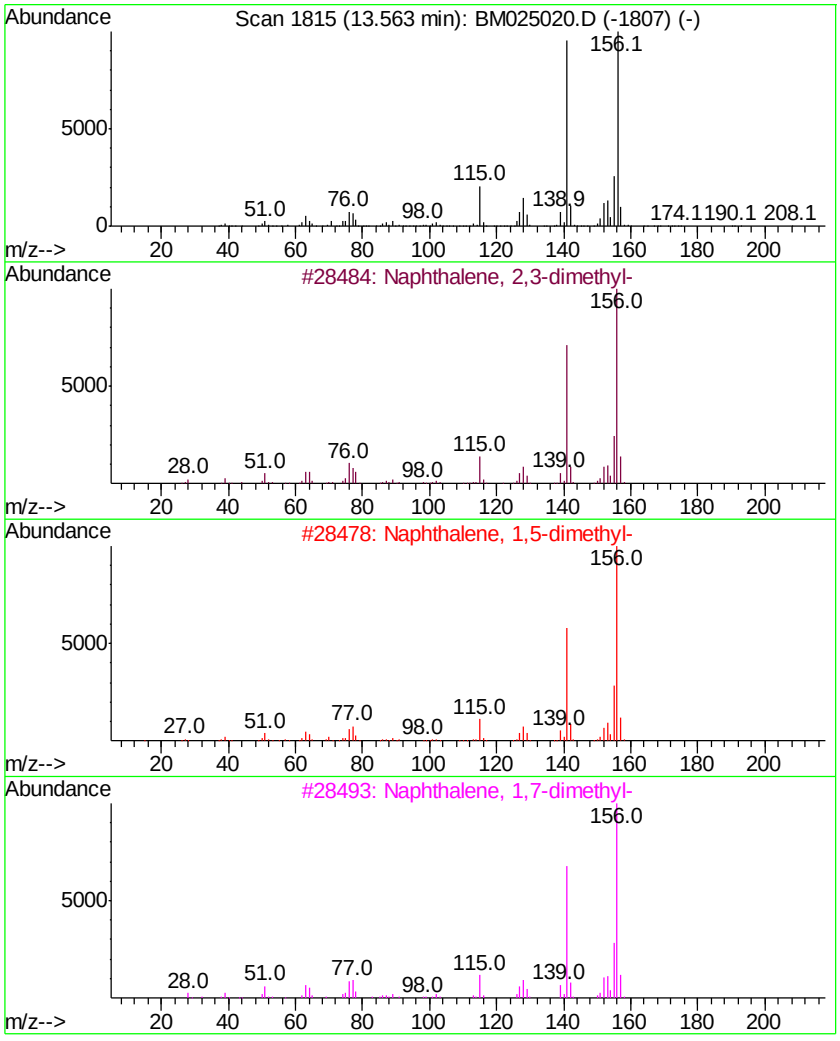
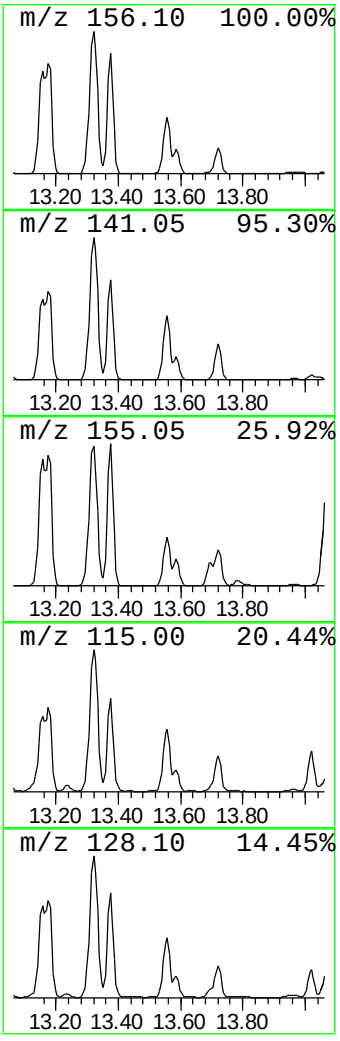
Peak Number 8 Naphthalene, 2,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.56	11.40 ng/ul	10404000	Acenaphthene-d10	14.01

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





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Acq On : 22 Feb 2020 11:08
Operator : CG/JU
Sample : L1507-17
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD15

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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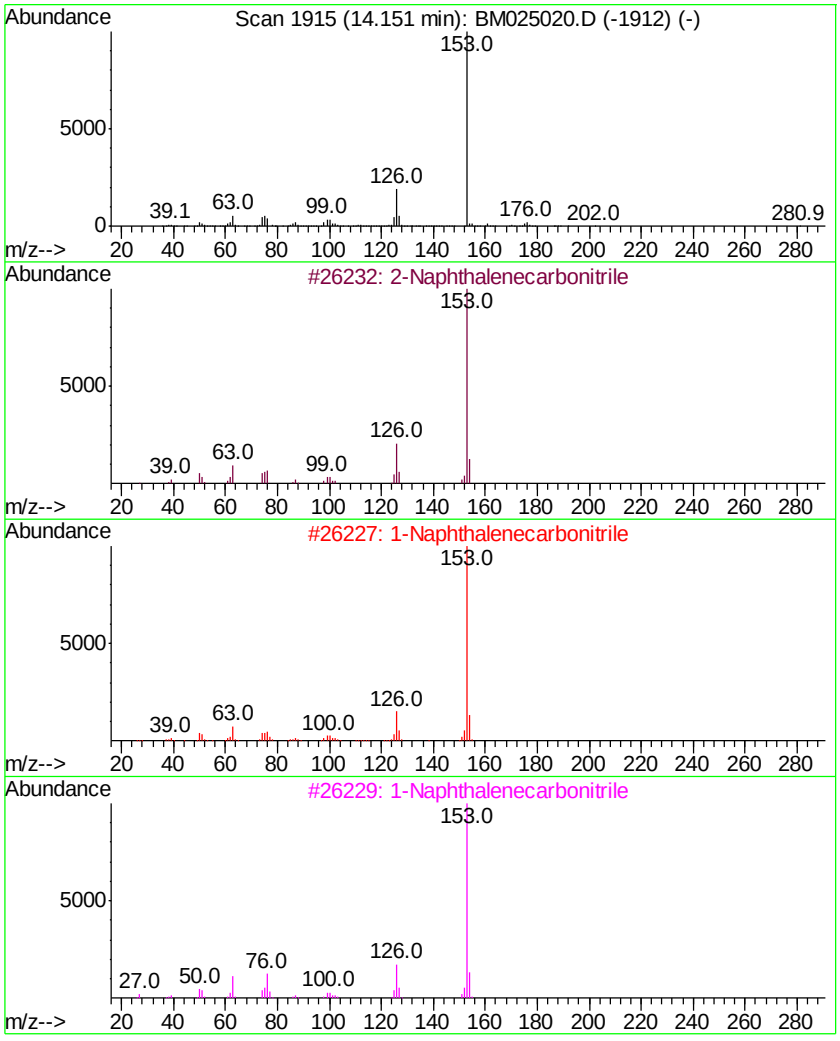
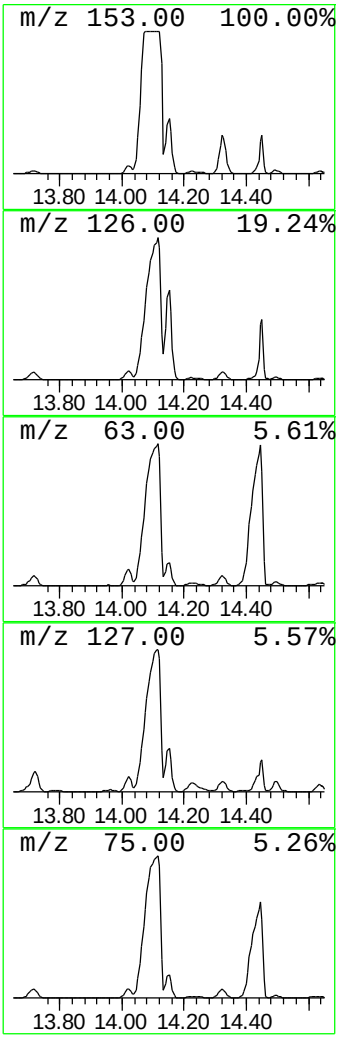
Peak Number 9 2-Naphthalenecarbonitrile Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.15	9.79 ng/ul	8935270	Acenaphthene-d10	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	87
2	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	87
3	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	83
4	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	80
5	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	80





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Sample : L1507-17
Misc :
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Instrument : BNA_M
ClientSampleId : DBD15

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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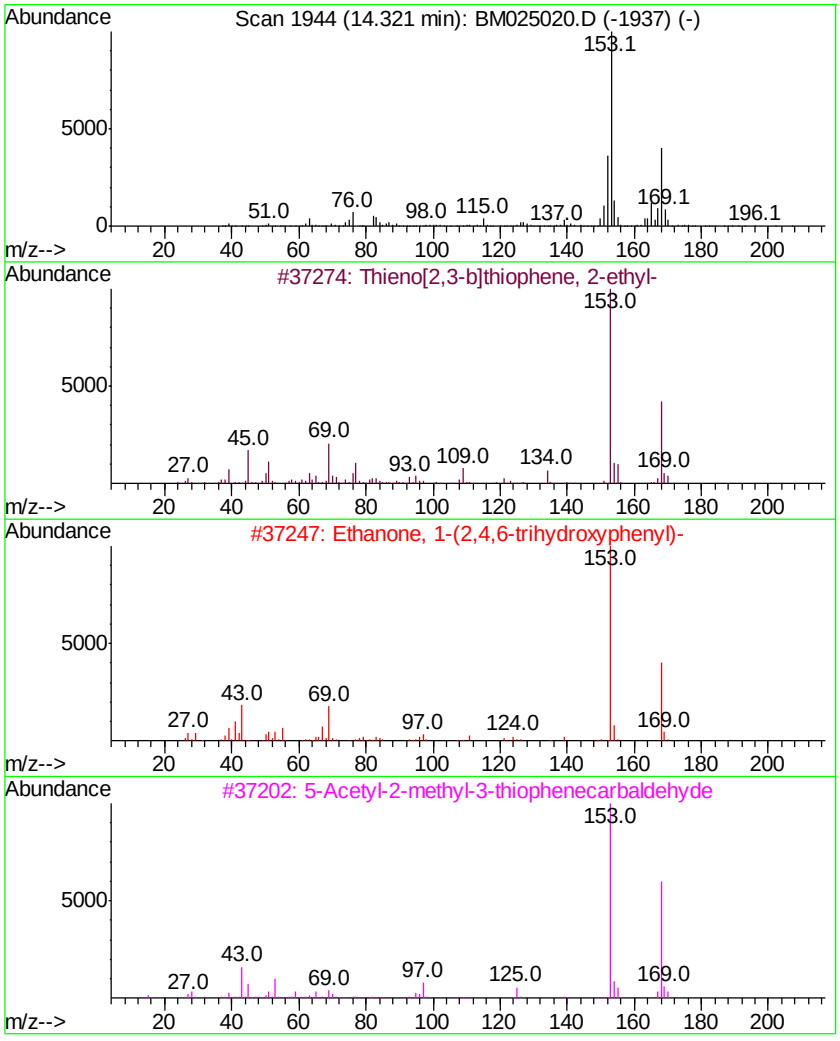
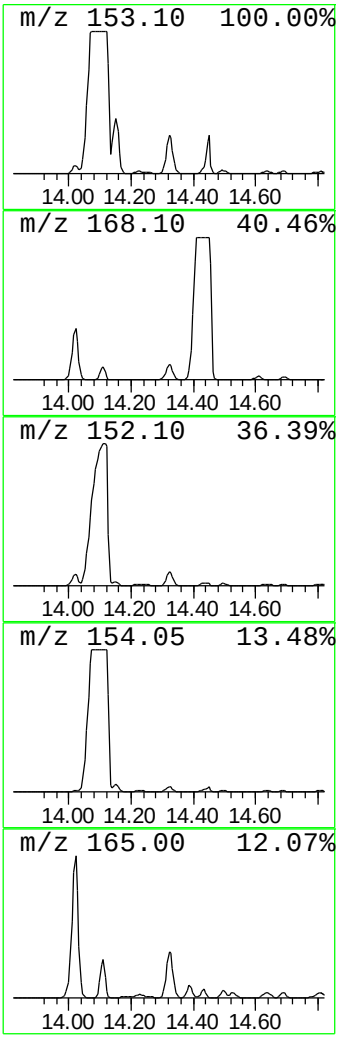
Peak Number 10 Thieno[2,3-b]thiophene, 2-e... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.32	13.04 ng/ul	11893900	Acenaphthene-d10	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thieno[2,3-b]thiophene, 2-ethyl-	168	C8H8S2	005912-01-6	59
2	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	53
3	5-Acetyl-2-methyl-3-thiophenecar...	168	C8H8O2S	090345-55-4	53
4	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	53
5	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	53





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Operator : CG/JU
Sample : L1507-17
Misc :
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Instrument : BNA_M
ClientSampleId : DBD15

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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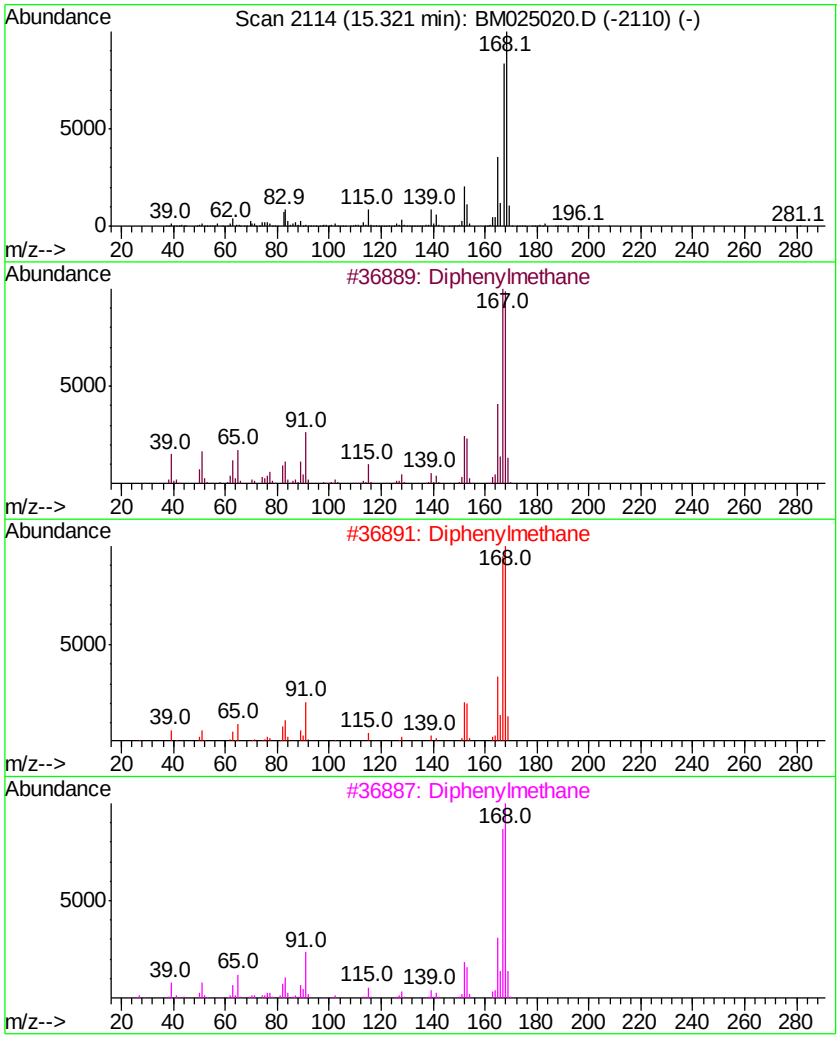
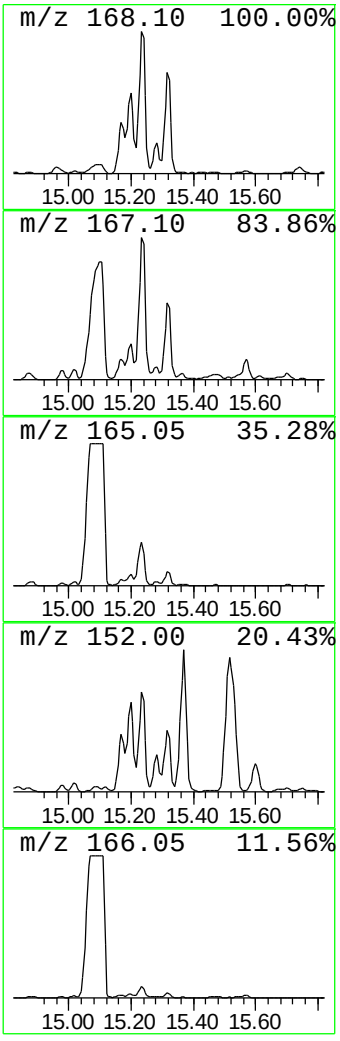
Peak Number 11 Diphenylmethane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	13.29 ng/ul	12122200	Acenaphthene-d10	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	93
2	Diphenylmethane	168	C13H12	000101-81-5	93
3	Diphenylmethane	168	C13H12	000101-81-5	90
4	Nordiphenamid	225	C15H15NO	000954-21-2	90
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	87





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Operator : CG/JU
Sample : L1507-17
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD15

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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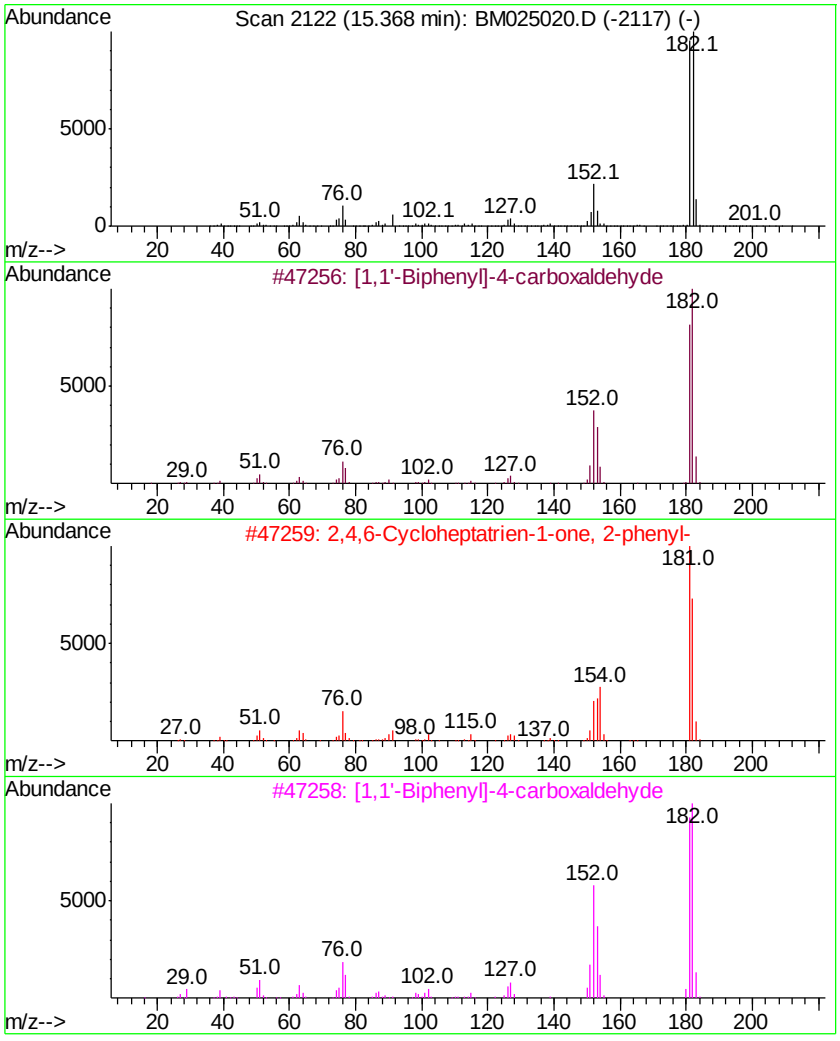
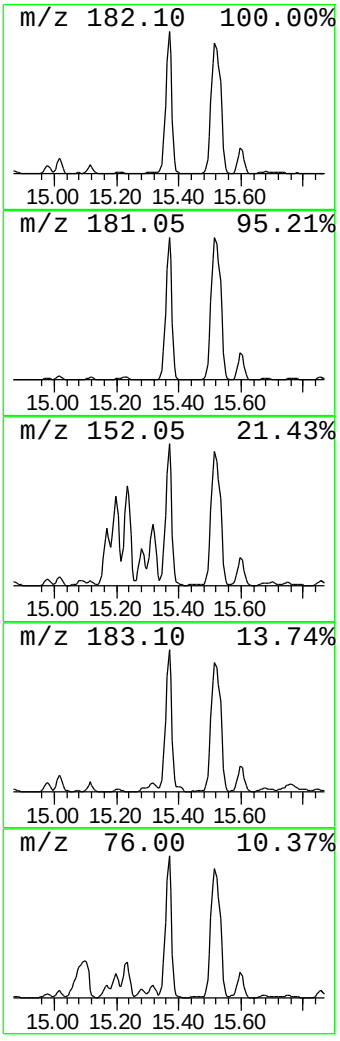
Peak Number 12 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	33.01 ng/ul	30117800	Acenaphthene-d10	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	80
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	68





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Sample : L1507-17
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD15

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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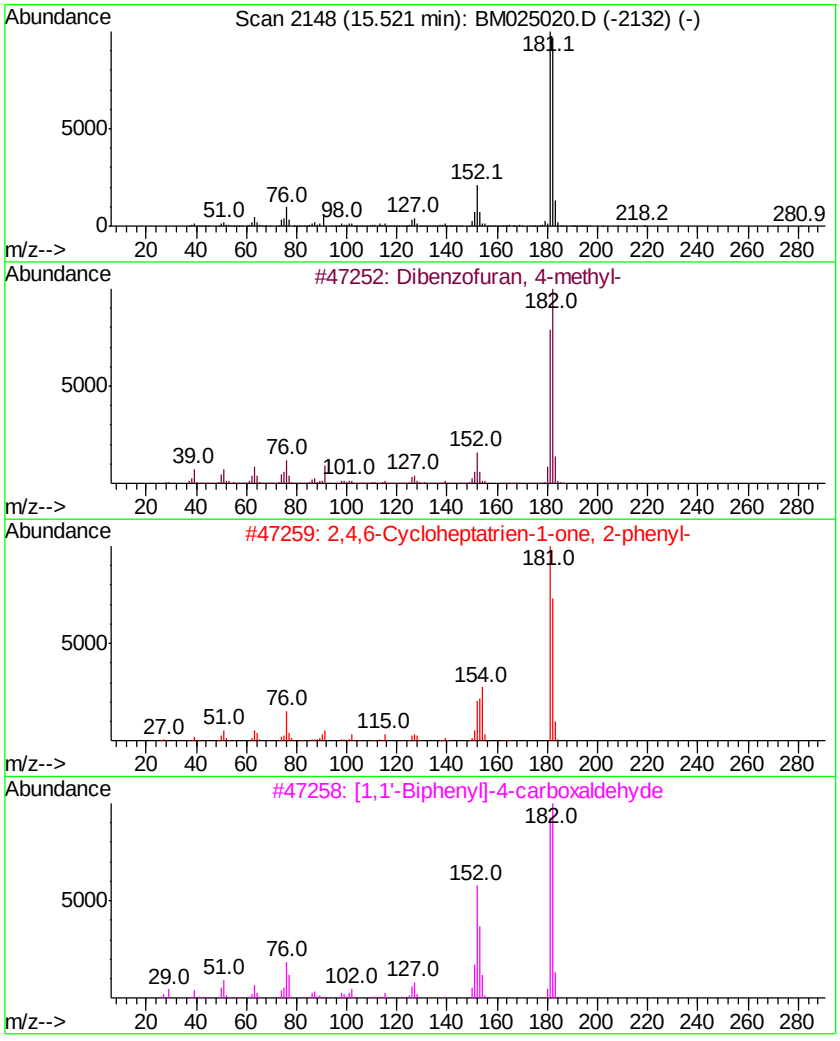
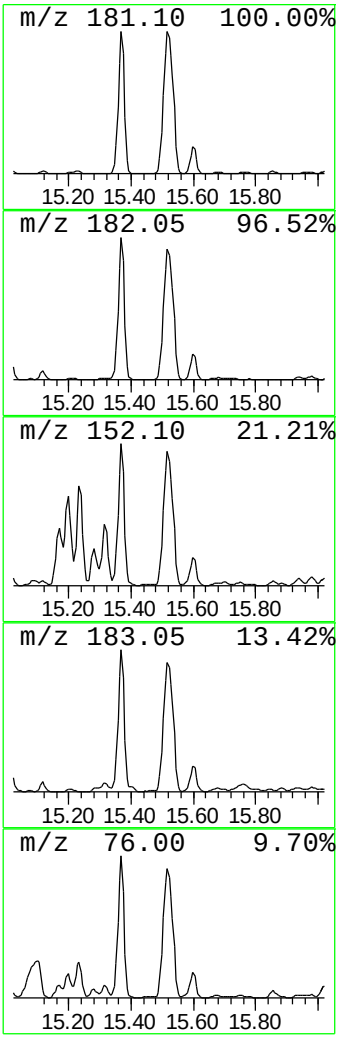
Peak Number 13 Dibenzofuran, 4-methyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.52	2.71 ng/ul	44441000	Phenanthrene-d10	16.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	80
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72





Library Search Compound Report

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Instrument : BNA_M
ClientSampleId : DBD15

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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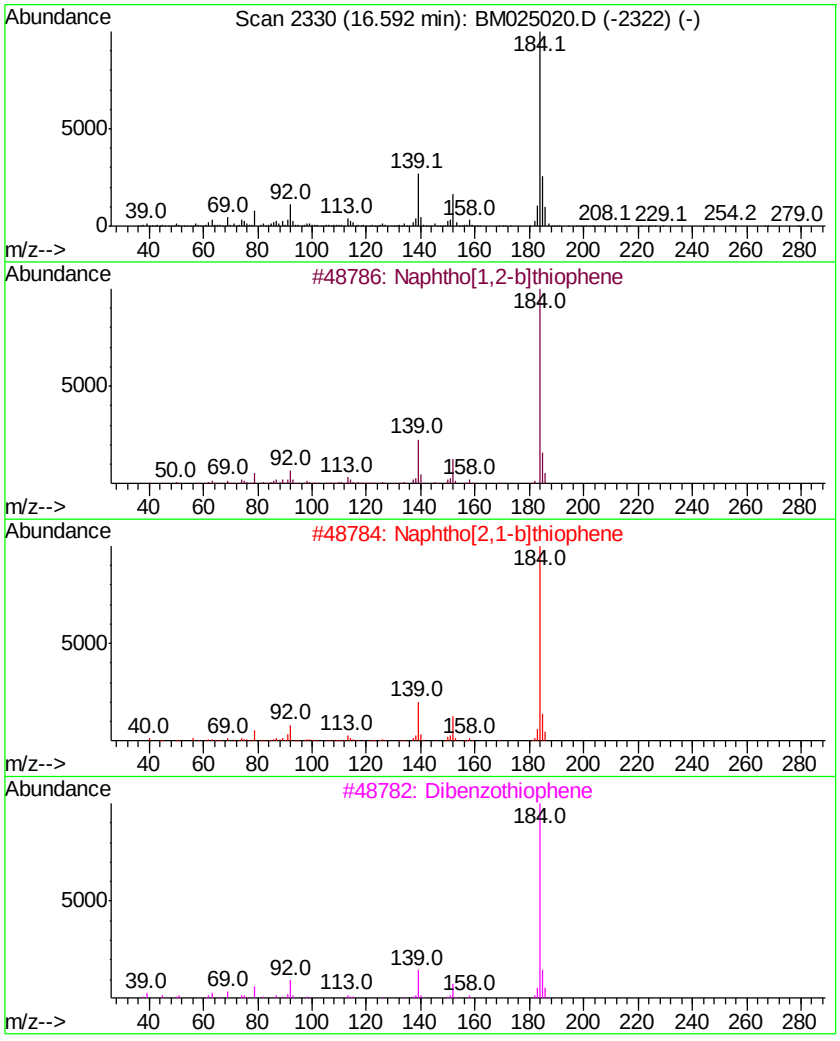
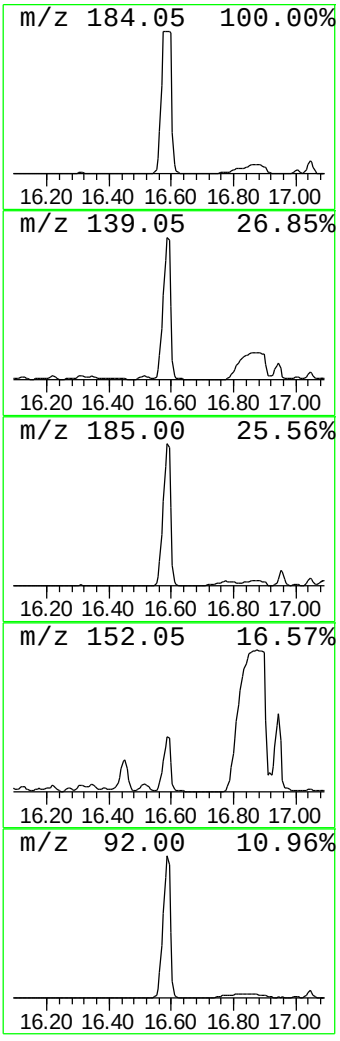
Peak Number 14 Naphtho[1,2-b]thiophene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.59	3.50 ng/ul	57342200	Phenanthrene-d10	16.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	95
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5	Dibenzothiophene	184	C12H8S	000132-65-0	93





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ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD15

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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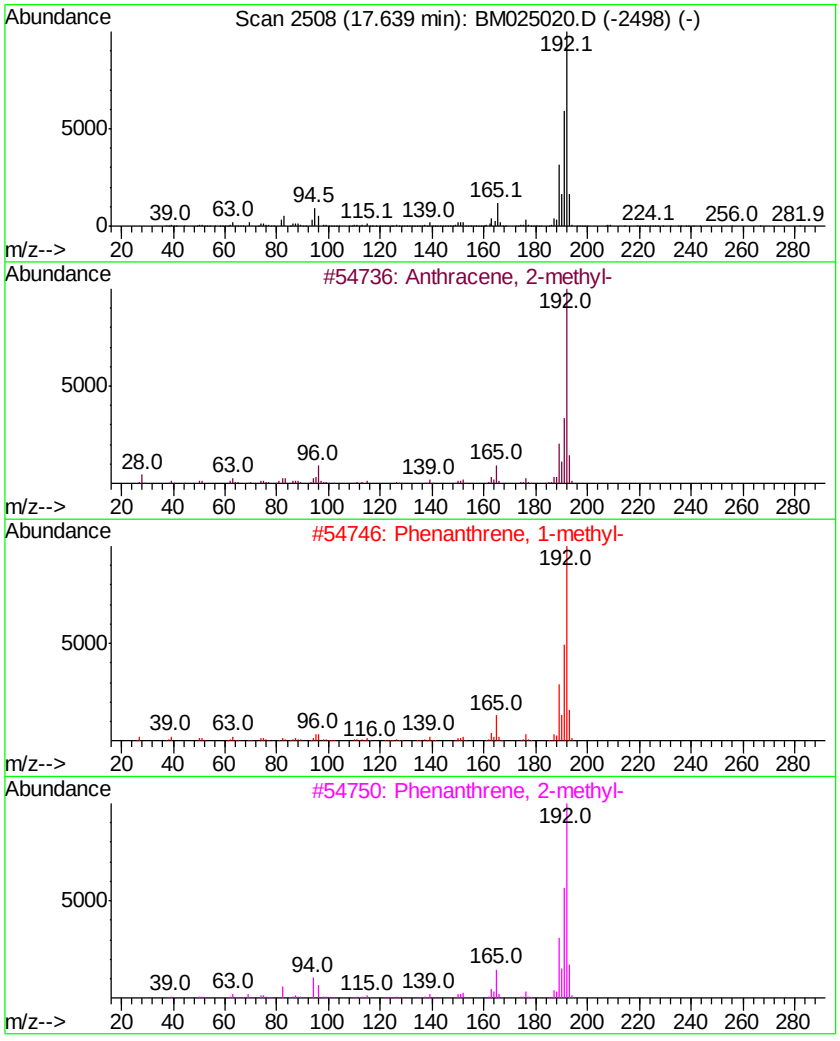
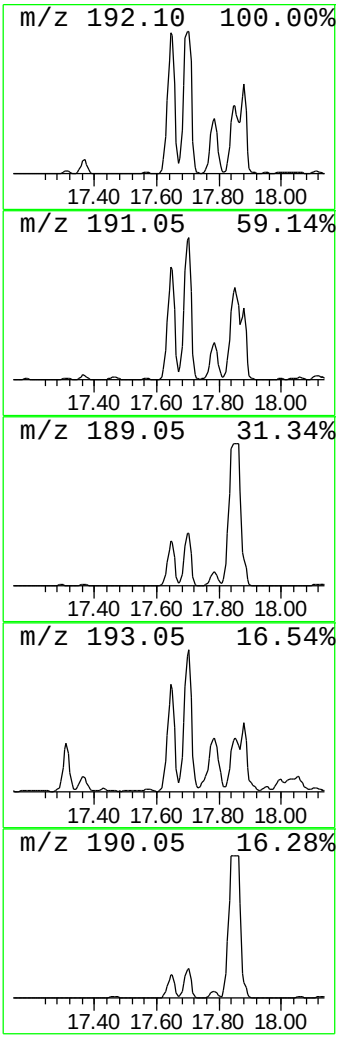
Peak Number 15 Anthracene, 2-methyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.64	2.68 ng/ul	44007800	Phenanthrene-d10	16.80

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





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Acq On : 22 Feb 2020 11:08
Operator : CG/JU
Sample : L1507-17
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD15

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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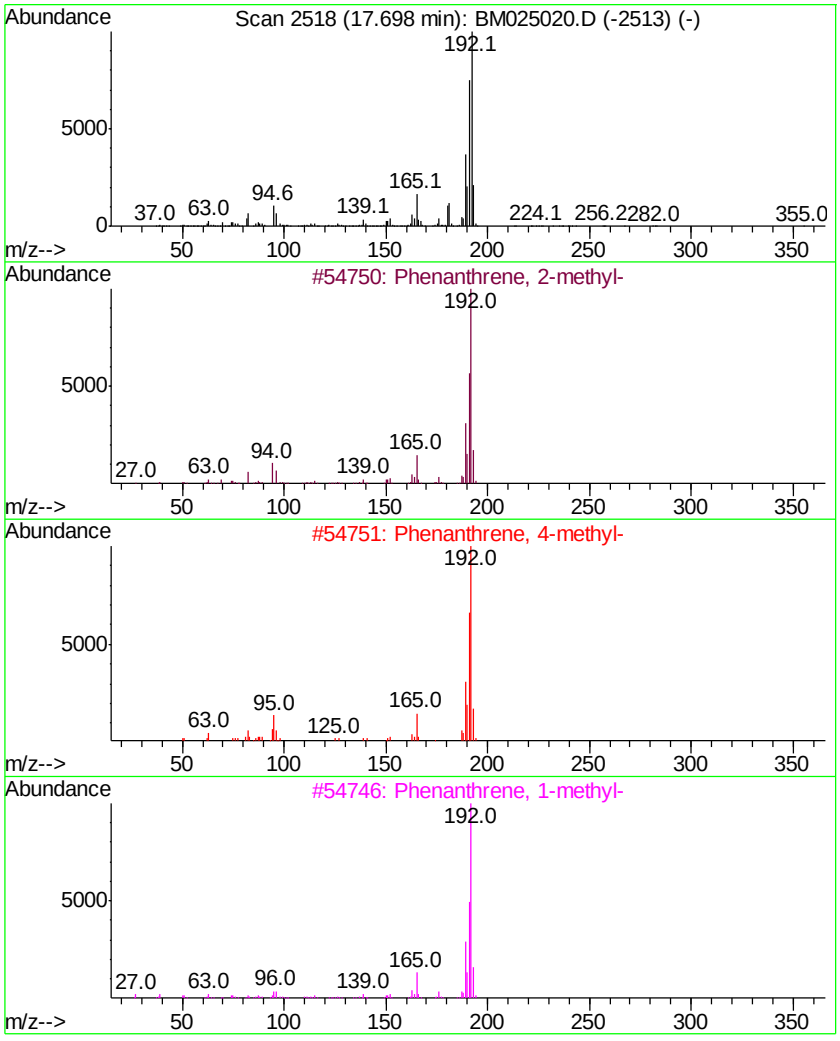
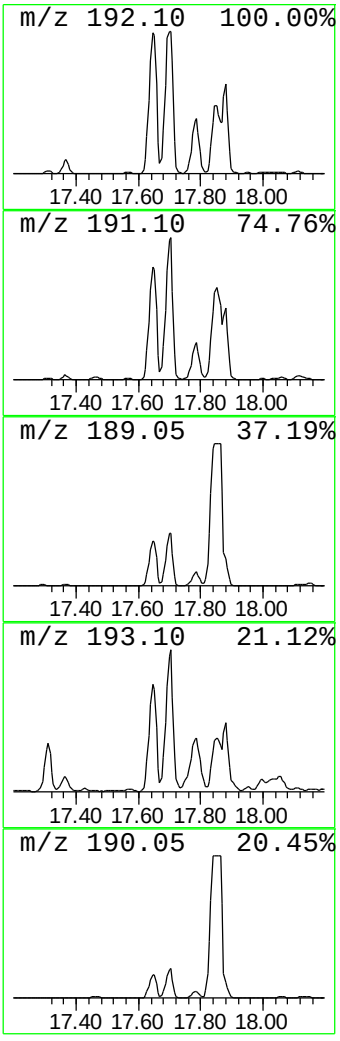
Peak Number 16 Phenanthrene, 2-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.70	3.44 ng/ul	56364800	Phenanthrene-d10	16.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





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Acq On : 22 Feb 2020 11:08
Operator : CG/JU
Sample : L1507-17
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD15

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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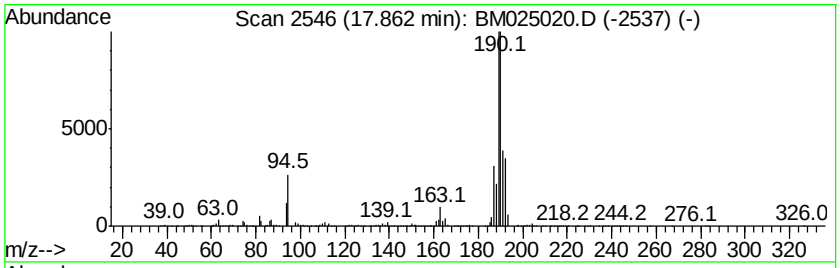
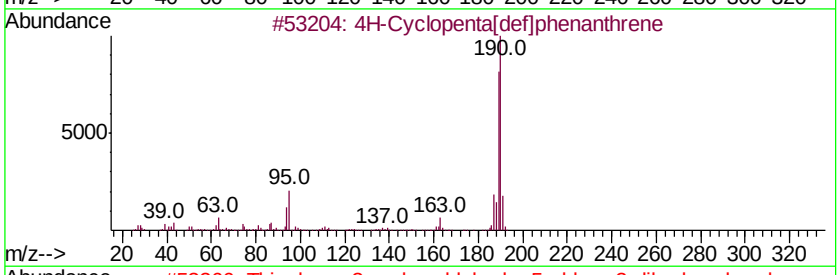
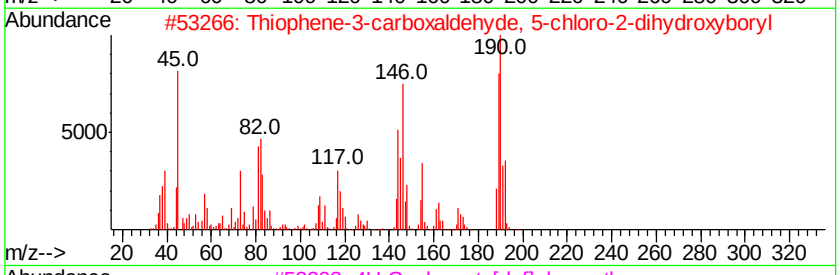
Peak Number 17 4H-Cyclopenta[def]phenanthrene Concentration Rank 19

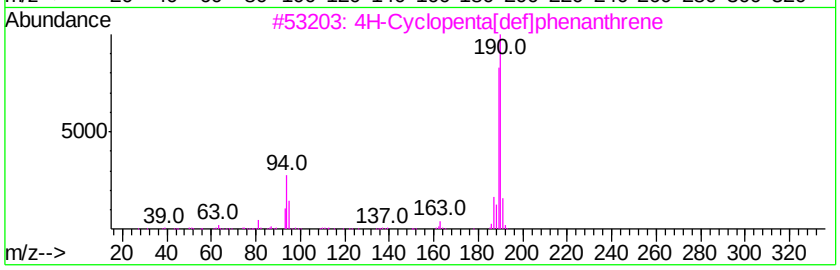
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	7.26 ng/ul	119035000	Phenanthrene-d10	16.80

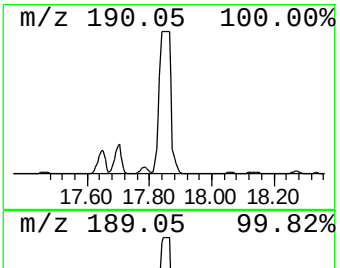
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	59
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	47

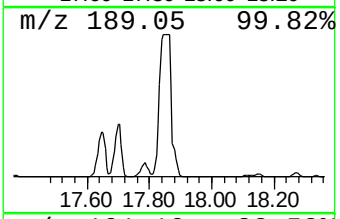


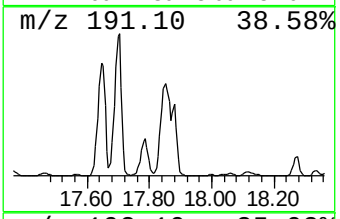


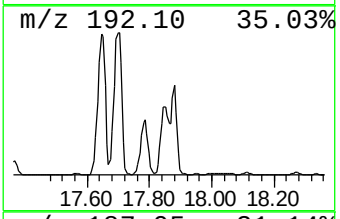


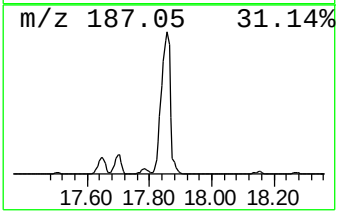












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Data File : BM025020.D
Acq On : 22 Feb 2020 11:08
Operator : CG/JU
Sample : L1507-17
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD15

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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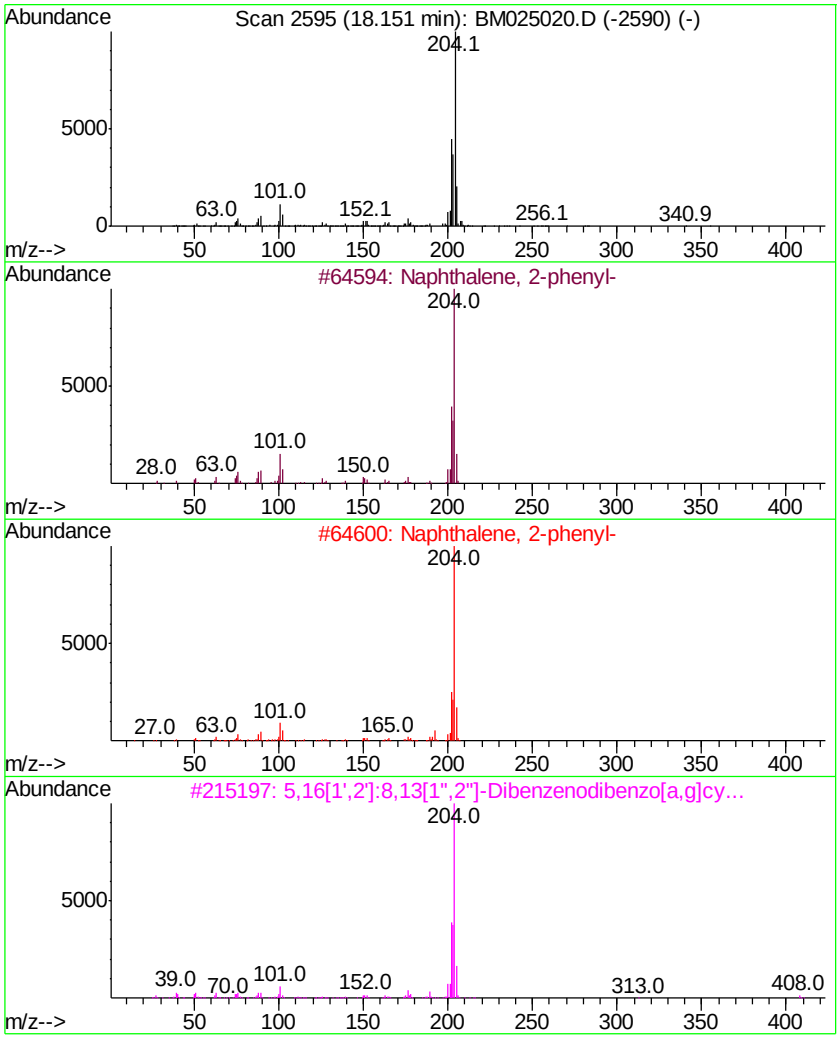
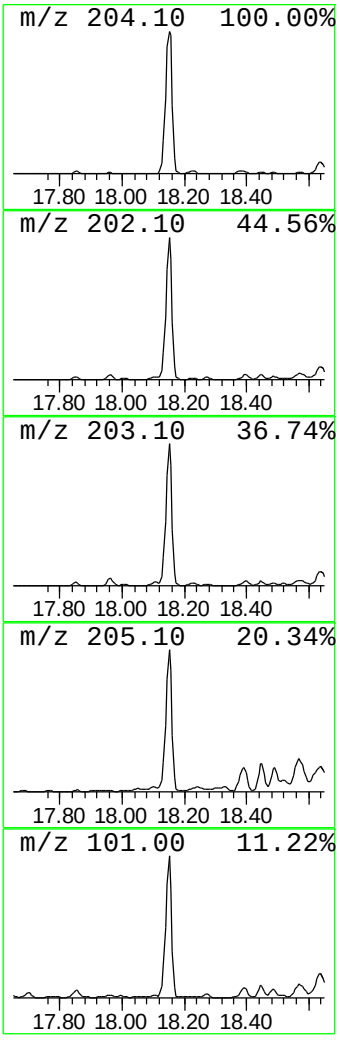
Peak Number 18 Naphthalene, 2-phenyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	2.26 ng/ul	37084300	Phenanthrene-d10	16.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





Library Search Compound Report

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Operator : CG/JU
Sample : L1507-17
Misc :
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Instrument : BNA_M
ClientSampleId : DBD15

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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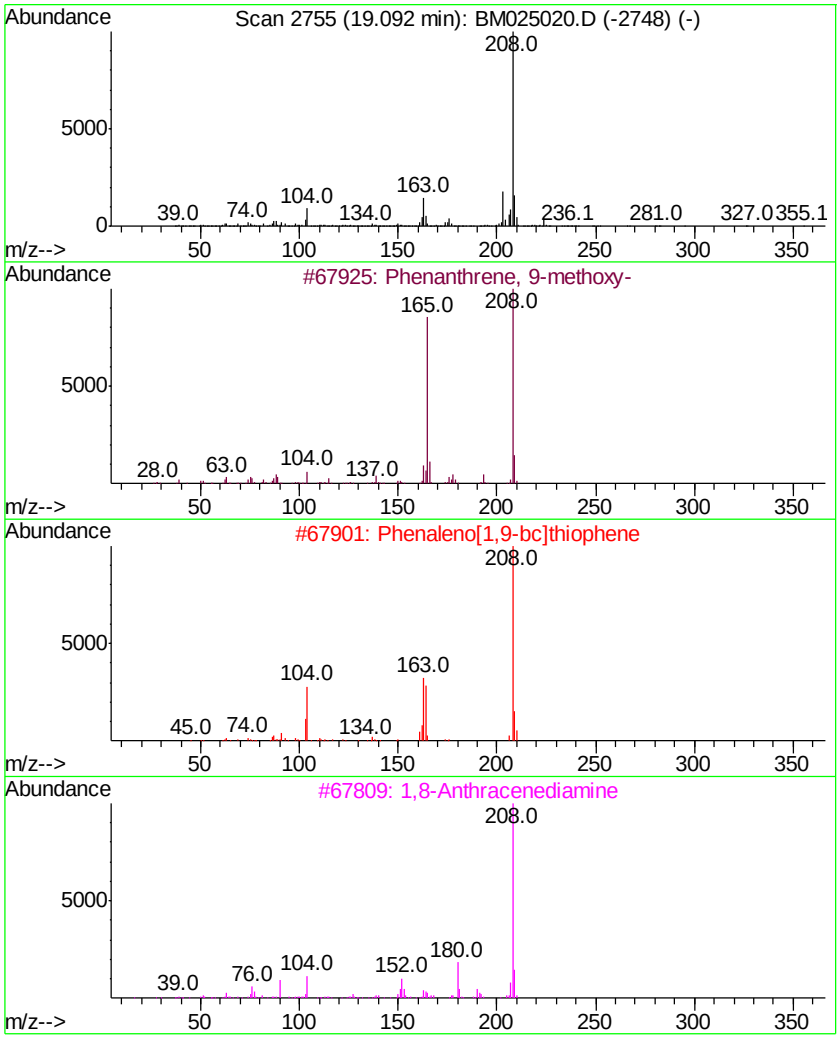
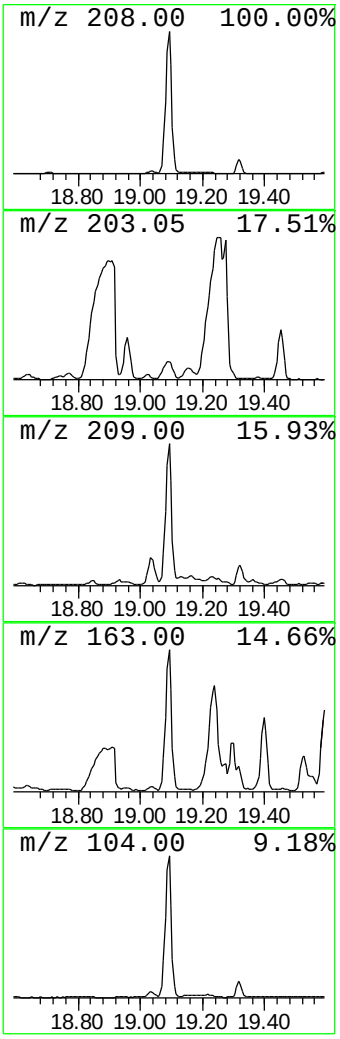
Peak Number 20 Phenanthrene, 9-methoxy- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.09	3.47 ng/ul	23309100	Chrysene-d12	21.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 9-methoxy-	208	C15H12O	005085-74-5	64
2	Phenaleno[1,9-bc]thiophene	208	C14H8S	079965-99-4	64
3	1,8-Anthracenediamine	208	C14H12N2	139312-39-3	59
4	1,6-Dimethylphenazine	208	C14H12N2	058718-43-7	58
5	Benzene, 1,1'-(1-butenylidene)bis-	208	C16H16	001726-14-3	52





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Acq On : 22 Feb 2020 11:08
Operator : CG/JU
Sample : L1507-17
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD15

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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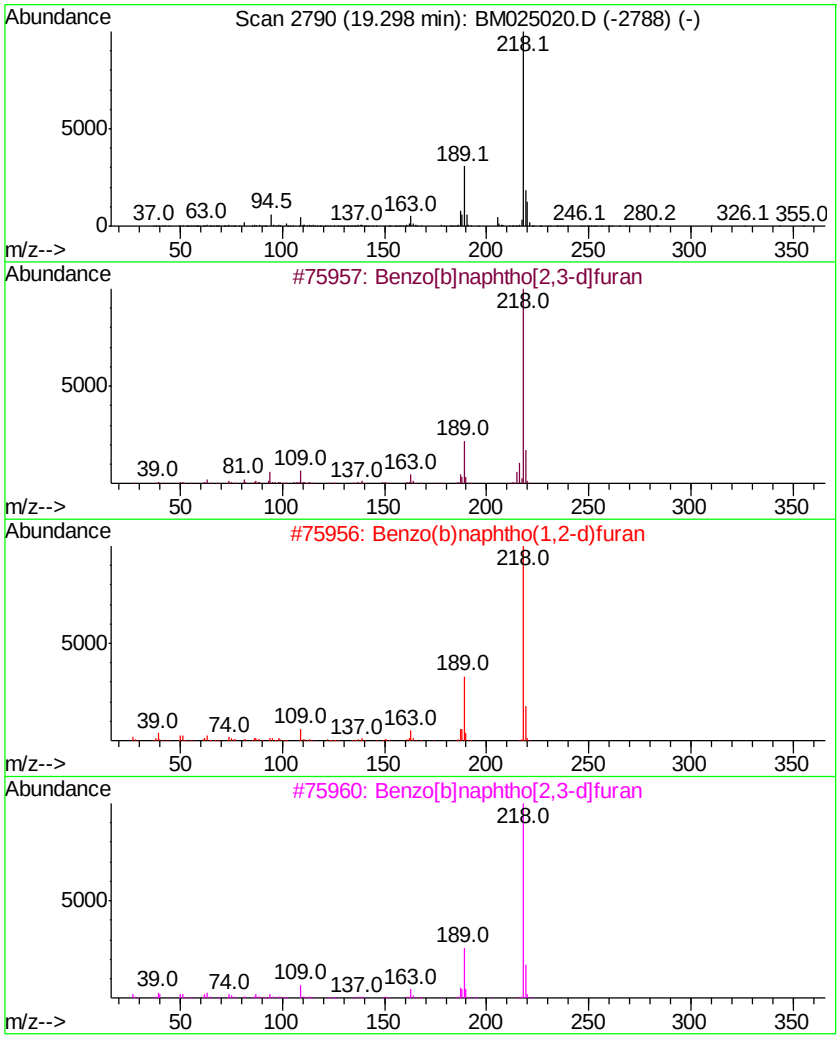
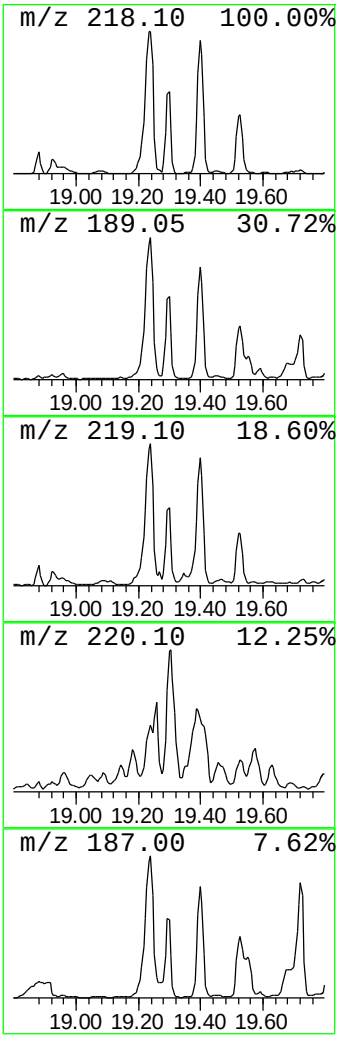
Peak Number 21 Benzo[b]naphtho[2,3-d]furan Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.30	2.02 ng/ul	13572600	Chrysene-d12	21.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	90
2	Benzo(b)naphtho(1,2-d)furan	218	C16H10O	000205-39-0	90
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	87
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	86
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	83





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Operator : CG/JU
Sample : L1507-17
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD15

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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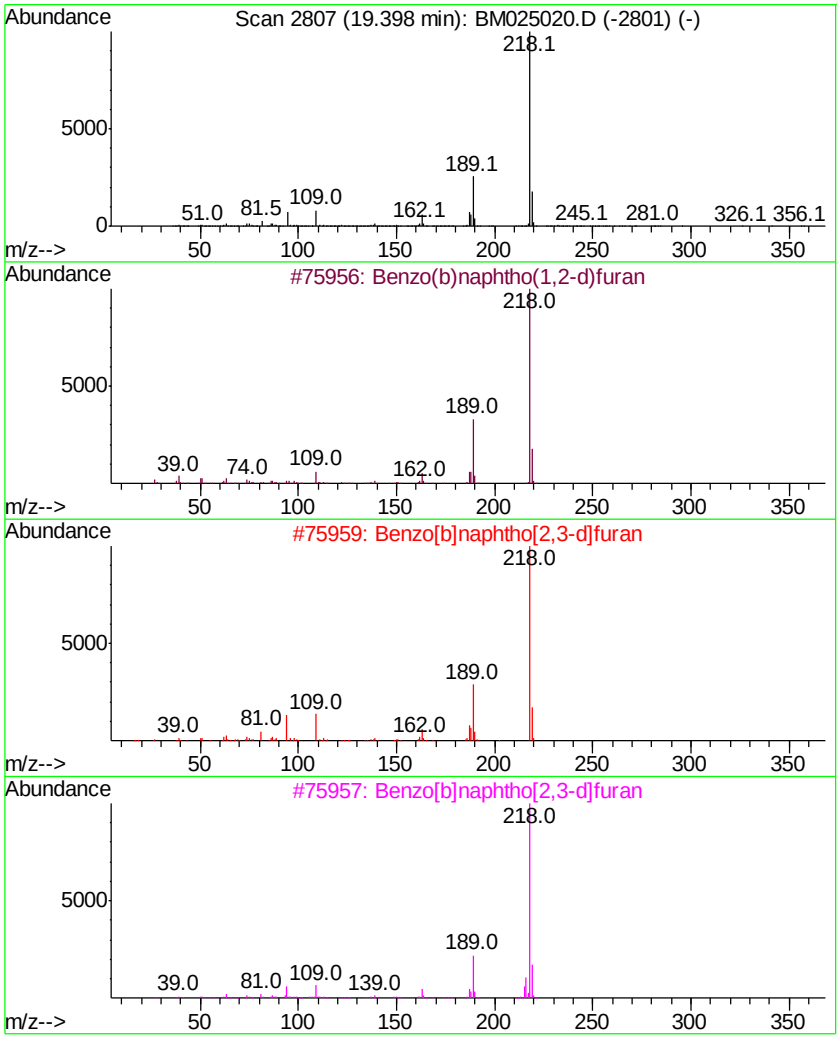
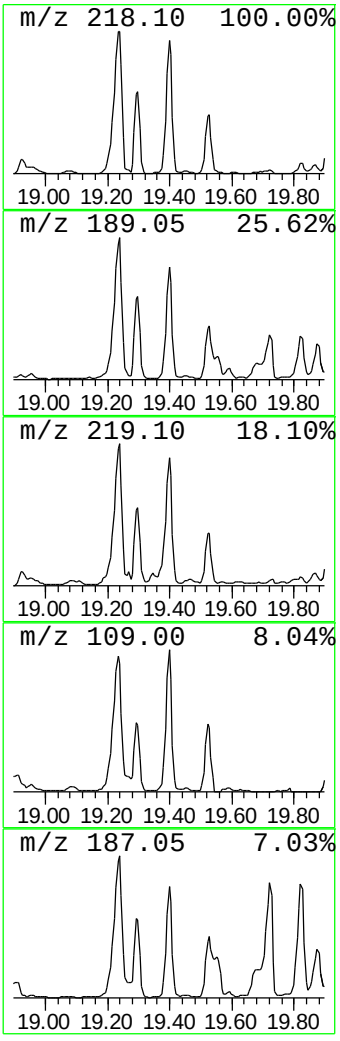
Peak Number 22 Benzo(b)naphtho(1,2-d)furan Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.40	3.43 ng/ul	23055200	Chrysene-d12	21.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(b)naphtho(1,2-d)furan	218	C16H10O	000205-39-0	96
2	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	95
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	95
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94
5	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	94





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Operator : CG/JU
Sample : L1507-17
Misc :
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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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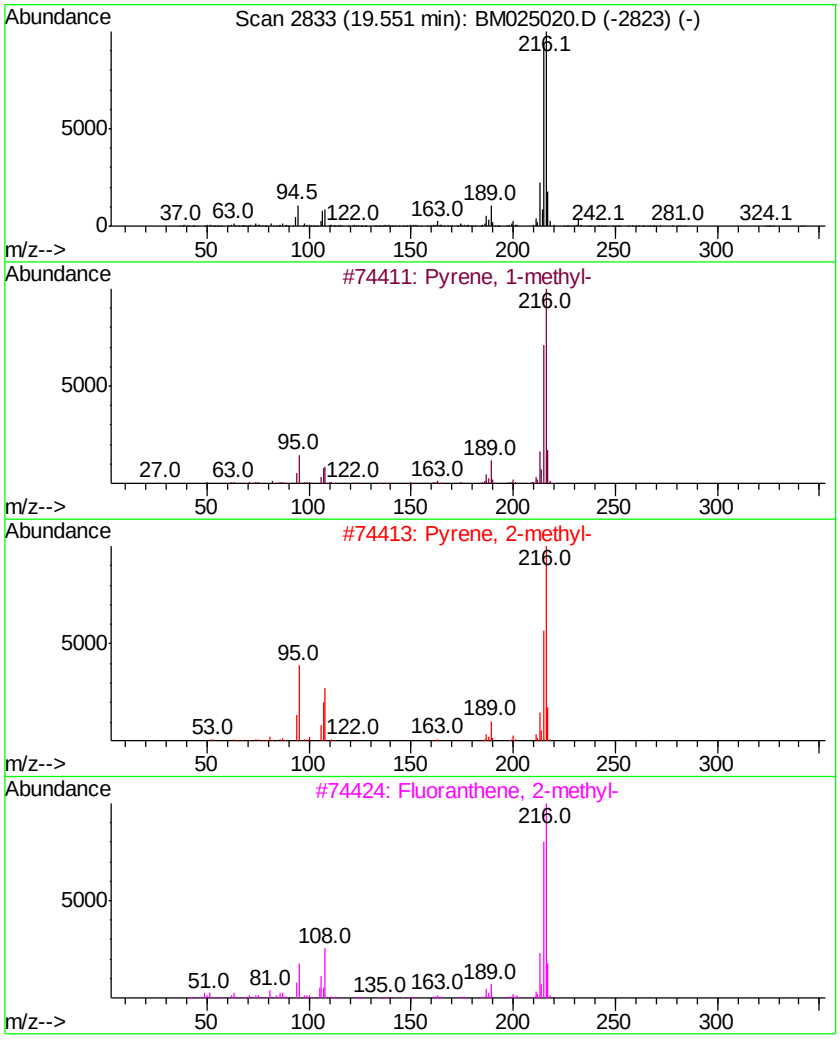
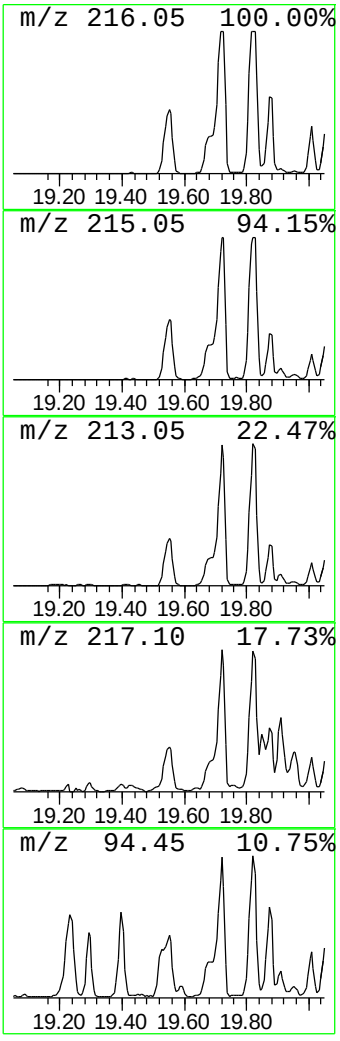
Peak Number 23 Pyrene, 1-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.55	5.22 ng/ul	35092900	Chrysene-d12	21.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Misc :
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Instrument : BNA_M
ClientSampleId : DBD15

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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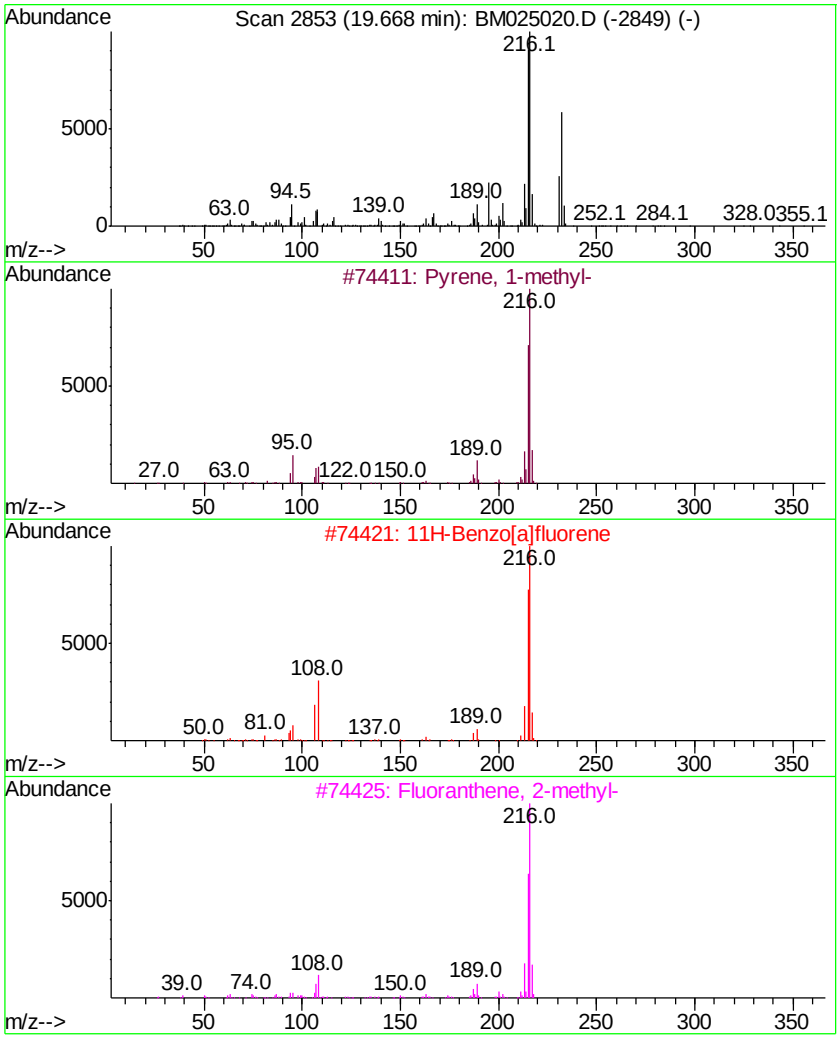
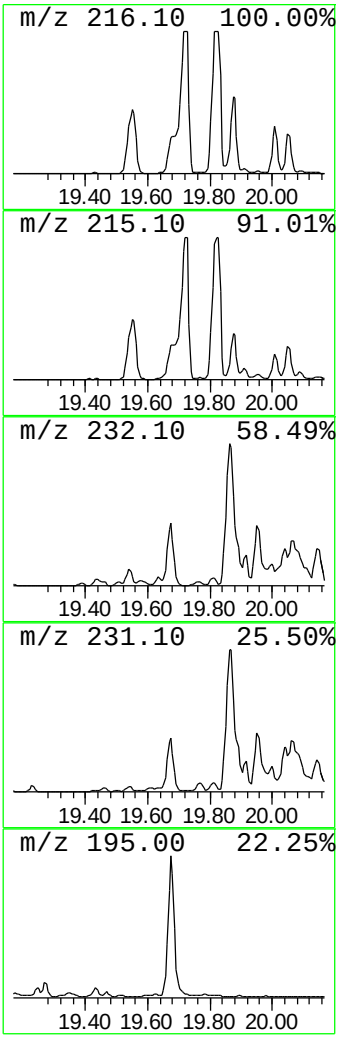
Peak Number 24 11H-Benzo[a]fluorene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.67	2.74 ng/ul	18423500	Chrysene-d12	21.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	78





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Operator : CG/JU
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Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD15

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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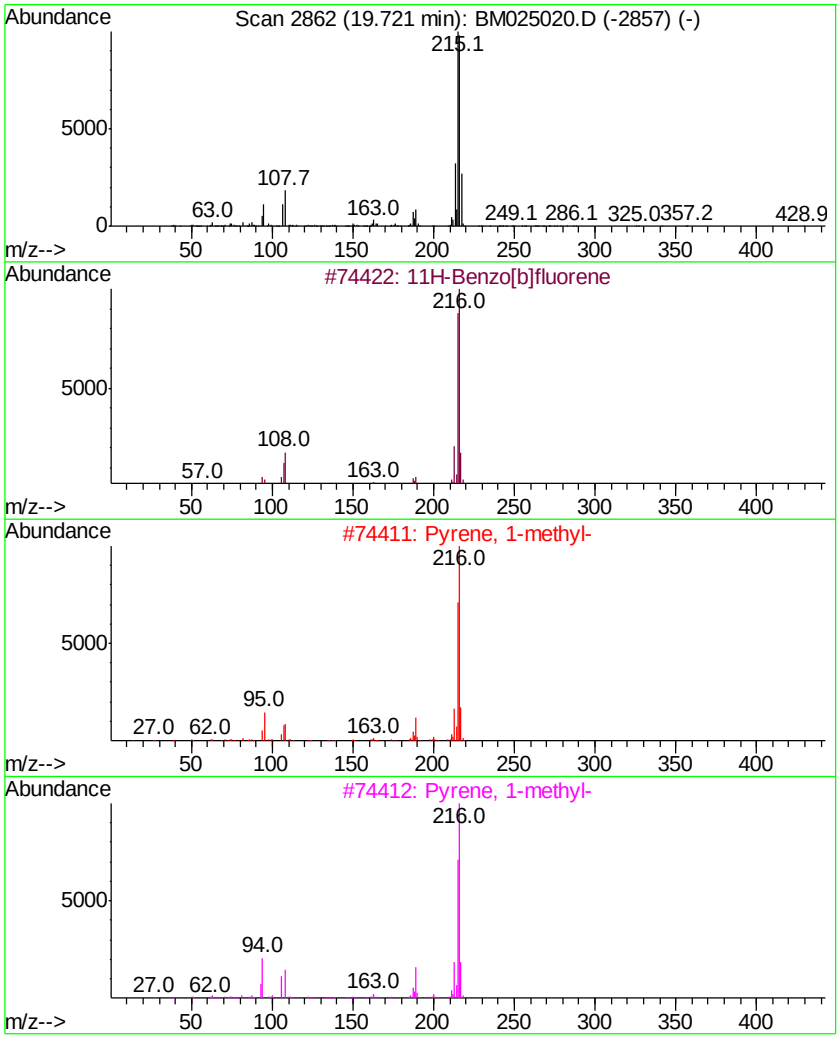
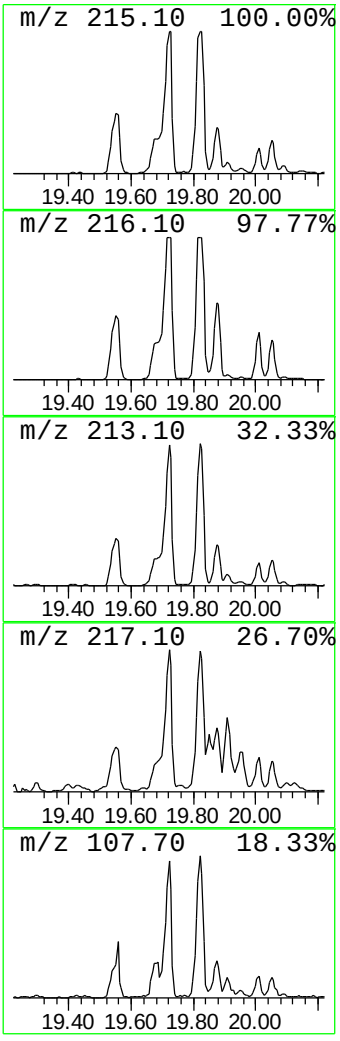
Peak Number 25 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.72	7.92 ng/ul	53195700	Chrysene-d12	21.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





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ClientSampleId : DBD15

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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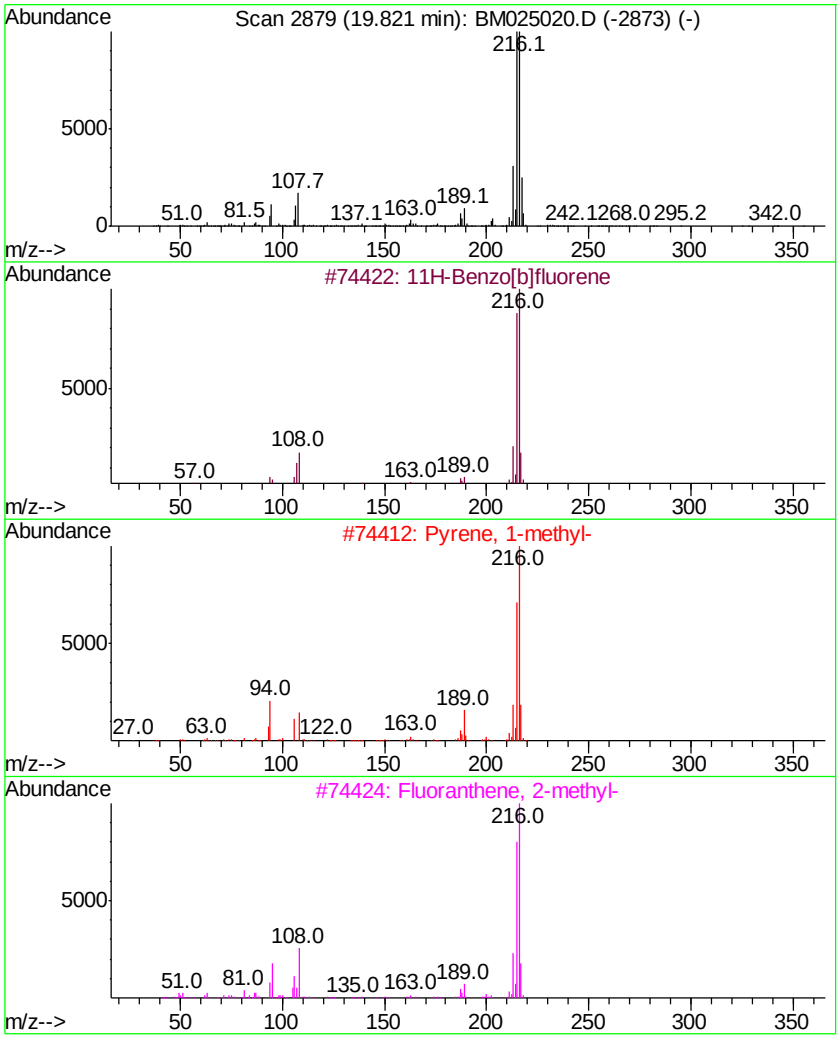
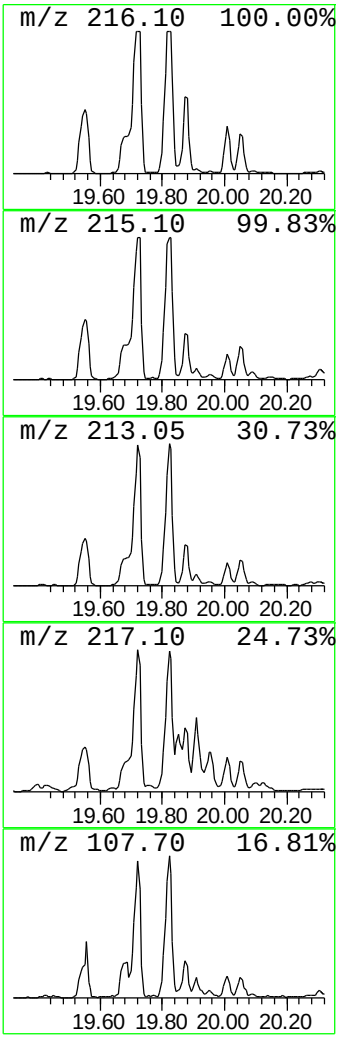
Peak Number 26 Fluoranthene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.82	8.29 ng/ul	55687500	Chrysene-d12	21.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
Data File : BM025020.D
Acq On : 22 Feb 2020 11:08
Operator : CG/JU
Sample : L1507-17
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD15

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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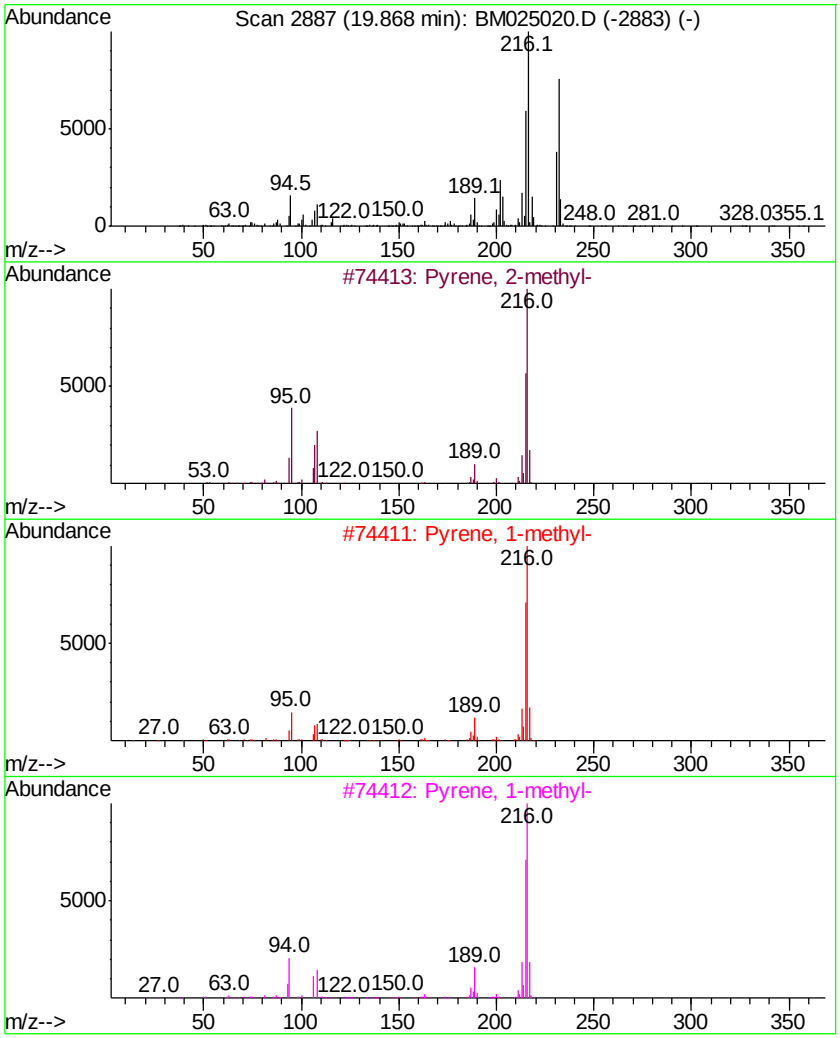
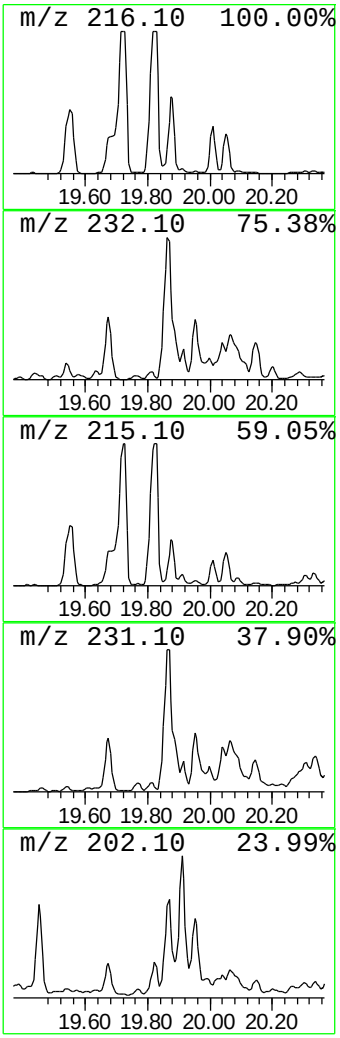
Peak Number 27 Pyrene, 2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.87	4.13 ng/ul	27780100	Chrysene-d12	21.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
Data File : BM025020.D
Acq On : 22 Feb 2020 11:08
Operator : CG/JU
Sample : L1507-17
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD15

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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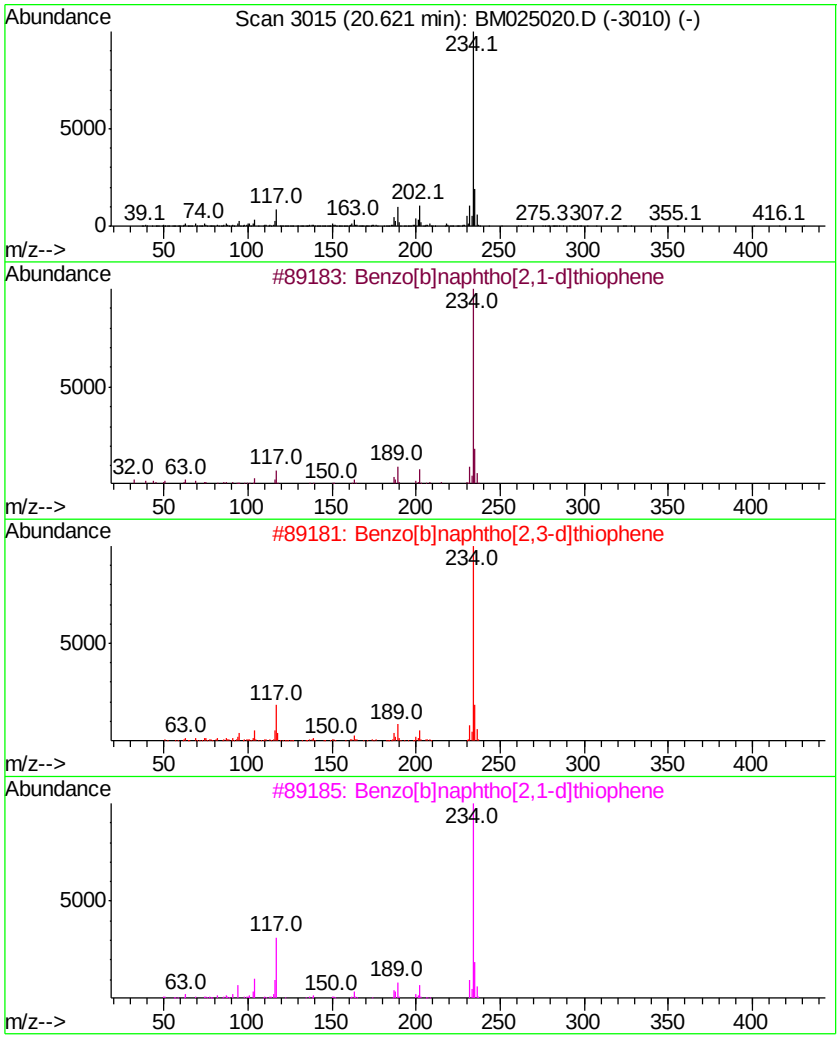
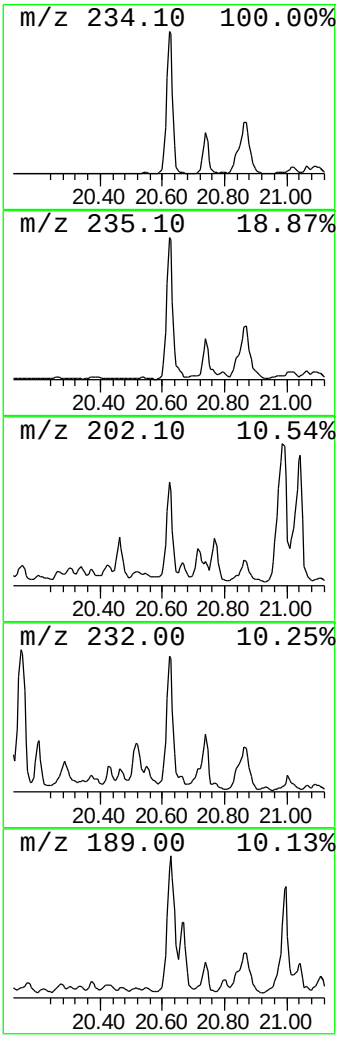
Peak Number 28 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.62	3.27 ng/ul	21969700	Chrysene-d12	21.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
Data File : BM025020.D
Acq On : 22 Feb 2020 11:08
Operator : CG/JU
Sample : L1507-17
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD15

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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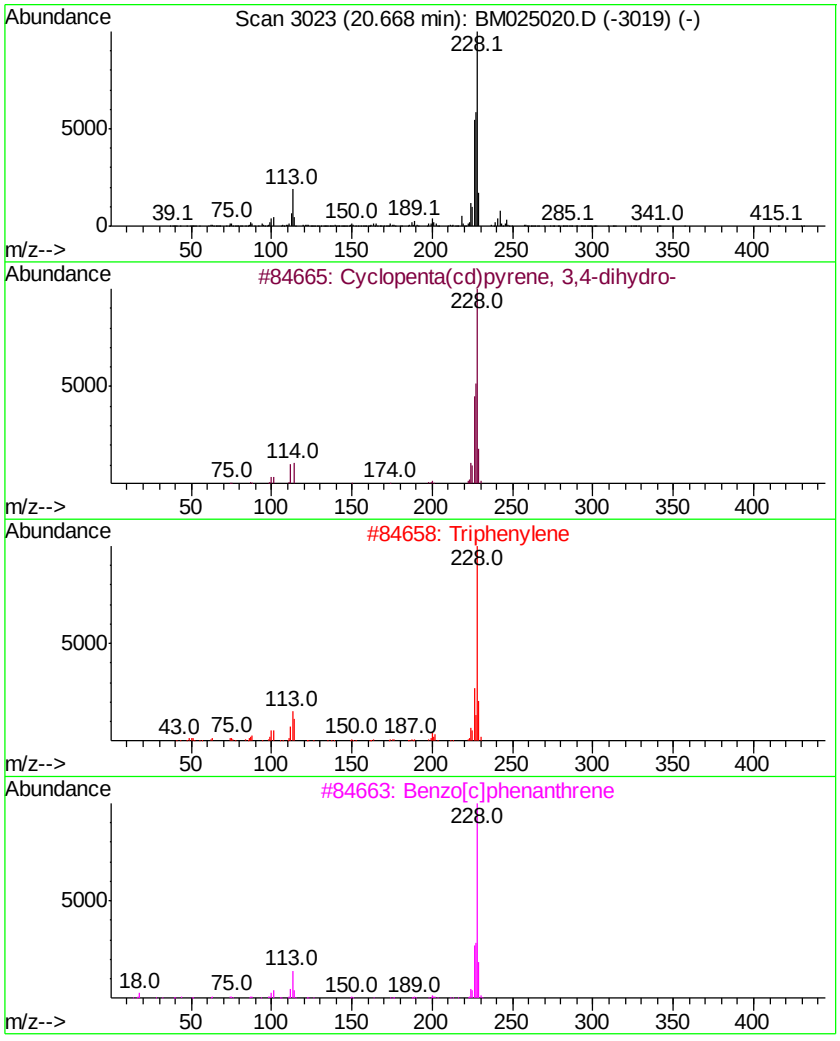
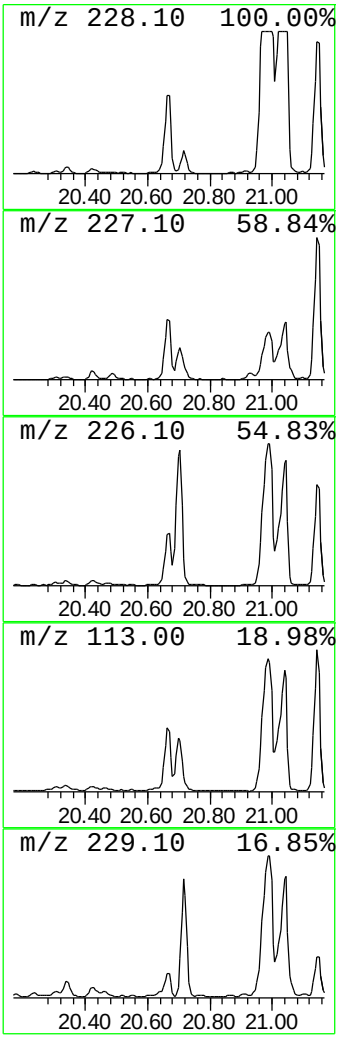
Peak Number 29 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.67	3.88 ng/ul	26044100	Chrysene-d12	21.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	64
2	Triphenylene	228	C18H12	000217-59-4	55
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49
4	Chrysene	228	C18H12	000218-01-9	49
5	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	49





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\
Data File : BM025020.D
Acq On : 22 Feb 2020 11:08
Operator : CG/JU
Sample : L1507-17
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD15

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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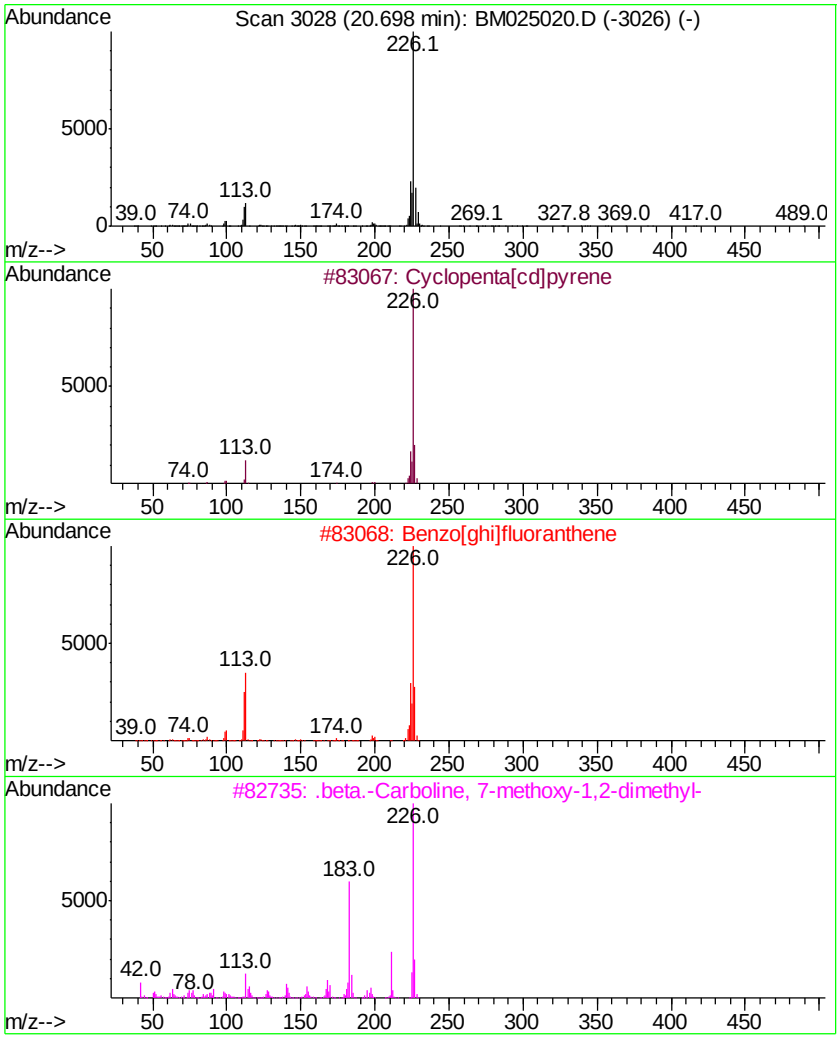
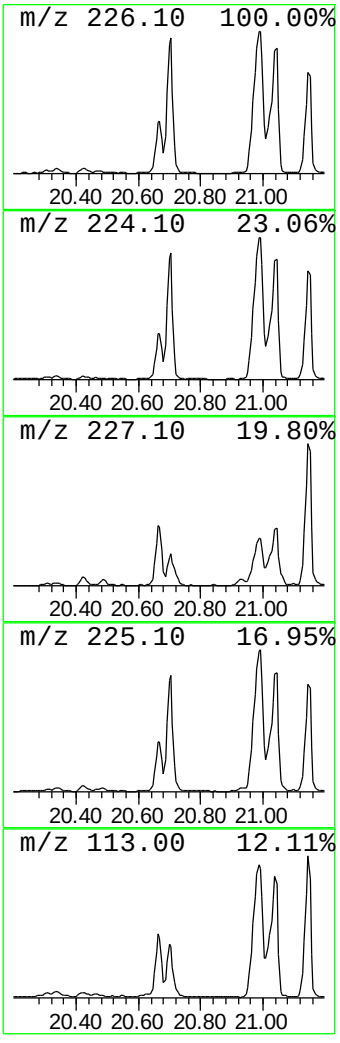
Peak Number 30 Cyclopenta[cd]pyrene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.70	4.81 ng/ul	32301400	Chrysene-d12	21.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	64
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	62
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	58
4	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	50
5	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM022120\
Data File : BM025020.D
Acq On : 22 Feb 2020 11:08
Operator : CG/JU
Sample : L1507-17
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBD15

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Indane	7.70	20.0	ng/ul	9885860	1	7.33	9885860	20.0
Indene	7.86	31.9	ng/ul	15774700	1	7.33	9885860	20.0
Naphthalene, 1-me...	12.02	15.0	ng/ul	77344200	2	10.10	102956000	20.0
Naphthalene, 1-et...	13.02	23.9	ng/ul	21814000	3	14.01	18246300	20.0
Naphthalene, 1,5-...	13.16	18.5	ng/ul	16897400	3	14.01	18246300	20.0
Naphthalene, 2,6-...	13.32	34.5	ng/ul	31501700	3	14.01	18246300	20.0
Naphthalene, 2,7-...	13.37	20.8	ng/ul	18992100	3	14.01	18246300	20.0
Naphthalene, 2,3-...	13.56	11.4	ng/ul	10404000	3	14.01	18246300	20.0
2-Naphthalenecarb...	14.15	9.8	ng/ul	8935270	3	14.01	18246300	20.0
Thieno[2,3-b]thio...	14.32	13.0	ng/ul	11893900	3	14.01	18246300	20.0
Diphenylmethane	15.32	13.3	ng/ul	12122200	3	14.01	18246300	20.0
[1,1'-Biphenyl]-4...	15.37	33.0	ng/ul	30117800	3	14.01	18246300	20.0
Dibenzofuran, 4-m...	15.52	2.7	ng/ul	44441000	4	16.80	328016000	20.0
Naphtho[1,2-b]thi...	16.59	3.5	ng/ul	57342200	4	16.80	328016000	20.0
Anthracene, 2-met...	17.64	2.7	ng/ul	44007800	4	16.80	328016000	20.0
Phenanthrene, 2-m...	17.70	3.4	ng/ul	56364800	4	16.80	328016000	20.0
4H-Cyclopenta[def...	17.86	7.3	ng/ul	119035000	4	16.80	328016000	20.0
Naphthalene, 2-ph...	18.15	2.3	ng/ul	37084300	4	16.80	328016000	20.0
Phenanthrene, 9-m...	19.09	3.5	ng/ul	23309100	5	21.00	134383000	20.0
Benzo[b]naphtho[2...	19.30	2.0	ng/ul	13572600	5	21.00	134383000	20.0
Benzo(b)naphtho(1...	19.40	3.4	ng/ul	23055200	5	21.00	134383000	20.0
Pyrene, 1-methyl-	19.55	5.2	ng/ul	35092900	5	21.00	134383000	20.0
11H-Benzo[a]fluorene	19.67	2.7	ng/ul	18423500	5	21.00	134383000	20.0
11H-Benzo[b]fluorene	19.72	7.9	ng/ul	53195700	5	21.00	134383000	20.0
Fluoranthene, 2-m...	19.82	8.3	ng/ul	55687500	5	21.00	134383000	20.0
Pyrene, 2-methyl-	19.87	4.1	ng/ul	27780100	5	21.00	134383000	20.0
Benzo[b]naphtho[2...	20.62	3.3	ng/ul	21969700	5	21.00	134383000	20.0
Cyclopenta(cd)pyr...	20.67	3.9	ng/ul	26044100	5	21.00	134383000	20.0
Cyclopenta[cd]pyrene	20.70	4.8	ng/ul	32301400	5	21.00	134383000	20.0