LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030320\
Data File : BN010060.D
Acq On : 03 Mar 2020 14:03
Operator : CG/JU
Sample : L1507-22DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBD20DL

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_N\METHODS\SOM-EPA-BN021220MA.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	7.364	738	744	762	rVB	201418	369446	7.64%	1.311%
2	10.110	1204	1211	1223	rBV	258231	502366	10.39%	1.783%
3	13.163	1725	1730	1739	rBV3	53397	119874	2.48%	0.425%
4	13.322	1751	1757	1762	rBV2	88238	147740	3.06%	0.524%
5	13.381	1762	1767	1777	rVB	61868	90409	1.87%	0.321%
6	13.563	1792	1798	1801	rBV2	27634	44659	0.92%	0.158%
7	13.593	1801	1803	1807	rVB2	16606	20333	0.42%	0.072%
8	13.728	1816	1826	1834	rBV3	21374	32781	0.68%	0.116%
9	14.004	1867	1873	1878	rBV	498855	703963	14.56%	2.498%
10	14.069	1878	1884	1895	rVB	685243	973632	20.14%	3.455%
11	14.222	1906	1910	1919	rVB2	17020	37974	0.79%	0.135%
12	14.322	1919	1927	1933	rBV	54762	77519	1.60%	0.275%
13	14.416	1937	1943	1952	rVV	240044	375470	7.77%	1.333%
14	14.498	1953	1957	1962	rVB	33900	46827	0.97%	0.166%
15	14.640	1974	1981	1986	rBV3	22518	37167	0.77%	0.132%
16	14.698	1986	1991	1997	rVB2	23373	31823	0.66%	0.113%
17	14.816	2002	2011	2013	rBV3	19633	34456	0.71%	0.122%
18	15.004	2040	2043	2048	rVV3	20214	28343	0.59%	0.101%
19	15.069	2048	2054	2060	rVV	553514	792574	16.39%	2.813%
20	15.169	2066	2071	2072	rVV	50060	67102	1.39%	0.238%
21	15.193	2072	2075	2078	rVV	77182	107195	2.22%	0.380%
22	15.228	2078	2081	2086	rVV2	43383	65340	1.35%	0.232%
23	15.281	2086	2090	2093	rVV2	29461	42487	0.88%	0.151%
24	15.322	2093	2097	2100	rVV4	31979	49027	1.01%	0.174%
25	15.369	2100	2105	2114	rVB	183325	248709	5.14%	0.883%
26	15.516	2124	2130	2139	rBV	181798	358103	7.41%	1.271%
27	15.604	2139	2145	2154	rVB3	34539	55563	1.15%	0.197%
28	16.034	2213	2218	2219	rVV2	29628	33705	0.70%	0.120%
29	16.081	2219	2226	2231	rVV3	105019	220857	4.57%	0.784%
30	16.128	2231	2234	2239	rVV4	41140	67592	1.40%	0.240%
31	16.181	2239	2243	2245	rVV3	18368	26406	0.55%	0.094%
32	16.228	2245	2251	2256	rVV3	35483	71012	1.47%	0.252%
33	16.281	2256	2260	2262	rVV	20971	29306	0.61%	0.104%
34	16.310	2262	2265	2268	rVV2	57397	84967	1.76%	0.302%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030320\
Data File : BN010060.D
Acq On : 03 Mar 2020 14:03
Operator : CG/JU
Sample : L1507-22DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBD20DL

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_N\METHODS\SOM-EPA-BN021220MA.M
Title : SVOA CALIBRATION

35	16.351	2268	2272	2275	rVV4	67953	105984	2.19%	0.376%
36	16.381	2275	2277	2282	rVV3	25003	43263	0.89%	0.154%
37	16.434	2282	2286	2293	rVV7	15436	35471	0.73%	0.126%
38	16.504	2293	2298	2305	rVV4	76141	160784	3.33%	0.571%
39	16.587	2305	2312	2316	rVV	107573	171127	3.54%	0.607%
40	16.763	2335	2342	2345	rBV	646861	872949	18.06%	3.098%
41	16.810	2345	2350	2357	rVV	1818584	2515104	52.02%	8.926%
42	16.904	2357	2366	2373	rVB2	176458	323777	6.70%	1.149%
43	16.969	2373	2377	2383	rBV4	20449	41613	0.86%	0.148%
44	17.175	2406	2412	2416	rBV5	25179	51899	1.07%	0.184%
45	17.216	2416	2419	2428	rVB5	22640	52878	1.09%	0.188%
46	17.292	2428	2432	2438	rBV2	83419	120982	2.50%	0.429%
47	17.345	2438	2441	2444	rBV3	19265	23059	0.48%	0.082%
48	17.492	2461	2466	2471	rVV3	30664	52344	1.08%	0.186%
49	17.639	2484	2491	2496	rVV	318799	447154	9.25%	1.587%
50	17.692	2496	2500	2507	rVB	402386	545678	11.29%	1.937%
51	17.775	2510	2514	2518	rVV2	70640	97172	2.01%	0.345%
52	17.834	2518	2524	2528	rVV2	557785	826535	17.10%	2.933%
53	17.875	2528	2531	2536	rVB	126298	167626	3.47%	0.595%
54	18.051	2556	2561	2564	rBV5	17075	25671	0.53%	0.091%
55	18.092	2564	2568	2569	rVV4	14250	21683	0.45%	0.077%
56	18.151	2573	2578	2583	rVV	187088	273953	5.67%	0.972%
57	18.204	2583	2587	2593	rVV	81228	122564	2.54%	0.435%
58	18.275	2594	2599	2604	rVB	29048	40284	0.83%	0.143%
59	18.404	2616	2621	2626	rVV4	79240	121589	2.51%	0.432%
60	18.457	2626	2630	2633	rVV	40204	50701	1.05%	0.180%
61	18.492	2633	2636	2641	rVV	33390	43168	0.89%	0.153%
62	18.575	2645	2650	2655	rBV2	70779	113778	2.35%	0.404%
63	18.639	2655	2661	2664	rVV6	58196	101680	2.10%	0.361%
64	18.669	2664	2666	2670	rVB	39777	37772	0.78%	0.134%
65	18.722	2670	2675	2682	rBV2	150005	241692	5.00%	0.858%
66	18.839	2689	2695	2703	rBV	3706231	4834680	100.00%	17.159%
67	18.916	2704	2708	2710	rVV	34414	37814	0.78%	0.134%
68	18.945	2710	2713	2719	rVB3	52876	72590	1.50%	0.258%
69	19.081	2728	2736	2742	rBV2	92631	169050	3.50%	0.600%
70	19.204	2748	2757	2767	rBV2	2055981	3501730	72.43%	12.428%
71	19.286	2767	2771	2778	rVB2	89681	135108	2.79%	0.480%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030320\
Data File : BN010060.D
Acq On : 03 Mar 2020 14:03
Operator : CG/JU
Sample : L1507-22DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBD20DL

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_N\METHODS\SOM-EPA-BN021220MA.M
Title : SVOA CALIBRATION

72	19.398	2784	2790	2795	rBV	135885	186825	3.86%	0.663%
73	19.457	2797	2800	2806	rVB3	25508	37195	0.77%	0.132%
74	19.539	2809	2814	2821	rBV3	88297	226460	4.68%	0.804%
75	19.681	2833	2838	2840	rBV2	59939	103439	2.14%	0.367%
76	19.716	2840	2844	2849	rVB	144643	228510	4.73%	0.811%
77	19.822	2857	2862	2865	rBV	102601	135372	2.80%	0.480%
78	19.875	2865	2871	2874	rBV2	127709	193301	4.00%	0.686%
79	19.904	2874	2876	2882	rVV4	30972	57628	1.19%	0.205%
80	19.957	2882	2885	2890	rVB4	32844	42521	0.88%	0.151%
81	20.010	2890	2894	2899	rBV	43706	61096	1.26%	0.217%
82	20.057	2899	2902	2908	rBV3	60143	93675	1.94%	0.332%
83	20.286	2936	2941	2942	rBV5	18208	24568	0.51%	0.087%
84	20.480	2970	2974	2979	rVB	89474	121122	2.51%	0.430%
85	20.633	2996	3000	3004	rBV	83816	114484	2.37%	0.406%
86	20.675	3004	3007	3011	rVV2	93189	137394	2.84%	0.488%
87	20.710	3011	3013	3014	rVV	52568	46238	0.96%	0.164%
88	20.739	3014	3018	3022	rVV3	66802	121226	2.51%	0.430%
89	20.786	3022	3026	3033	rVB2	191198	238261	4.93%	0.846%
90	20.986	3053	3060	3064	rBV2	864223	1480534	30.62%	5.254%
91	21.028	3064	3067	3078	rVB	269534	361686	7.48%	1.284%
92	21.116	3079	3082	3085	rBV2	38887	52840	1.09%	0.188%
93	21.145	3085	3087	3091	rVB3	28305	28732	0.59%	0.102%
94	21.998	3228	3232	3233	rBV4	30451	35204	0.73%	0.125%
95	22.480	3310	3314	3319	rBV3	84492	156309	3.23%	0.555%
96	23.004	3398	3403	3407	rBV5	59840	115794	2.40%	0.411%
97	23.086	3411	3417	3423	rBV2	577577	1049397	21.71%	3.724%
98	23.569	3497	3499	3505	rVB5	35376	63051	1.30%	0.224%
99	23.880	3550	3552	3555	rBV2	25535	28439	0.59%	0.101%
100	24.233	3609	3612	3613	rBV2	38597	39613	0.82%	0.141%

Sum of corrected areas: 28176547

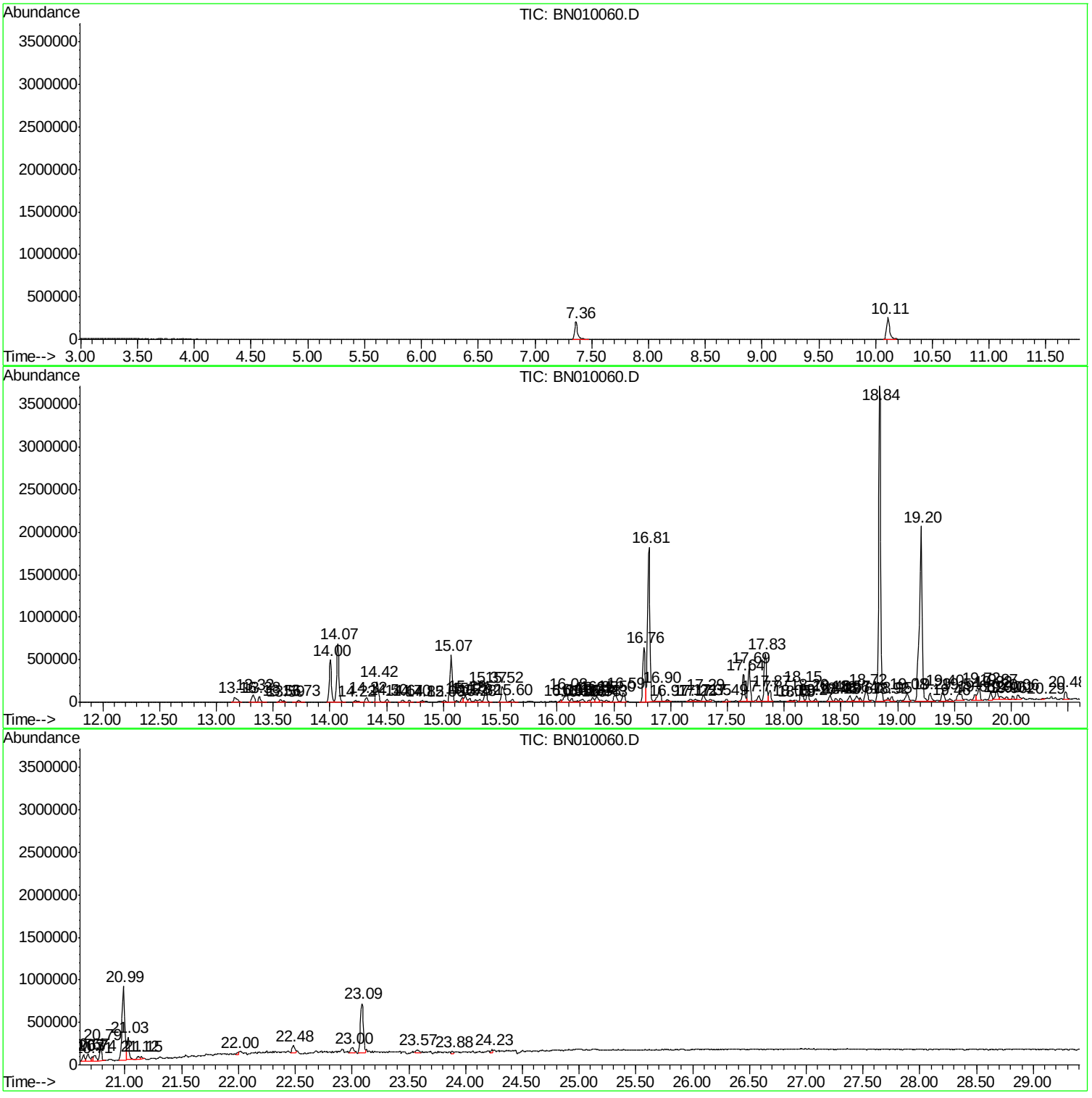
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030320\
Data File : BN010060.D
Acq On : 03 Mar 2020 14:03
Operator : CG/JU
Sample : L1507-22DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBD20DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030320\
Data File : BN010060.D
Acq On : 03 Mar 2020 14:03
Operator : CG/JU
Sample : L1507-22DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBD20DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

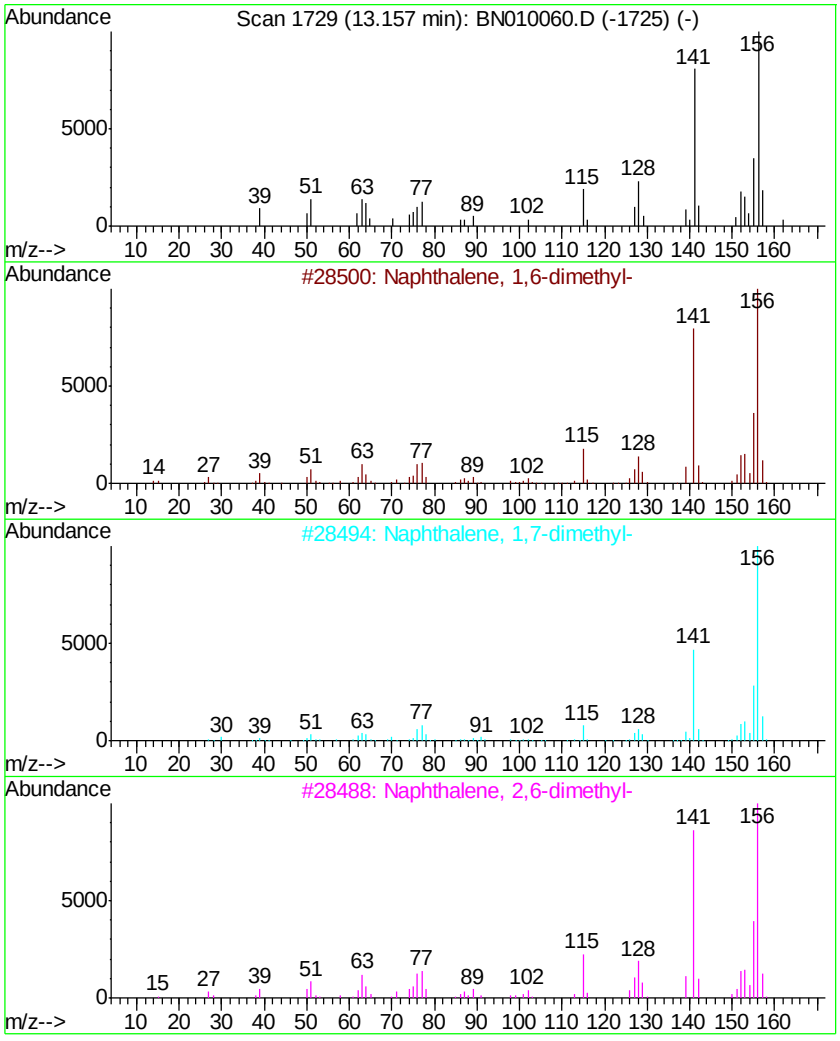
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

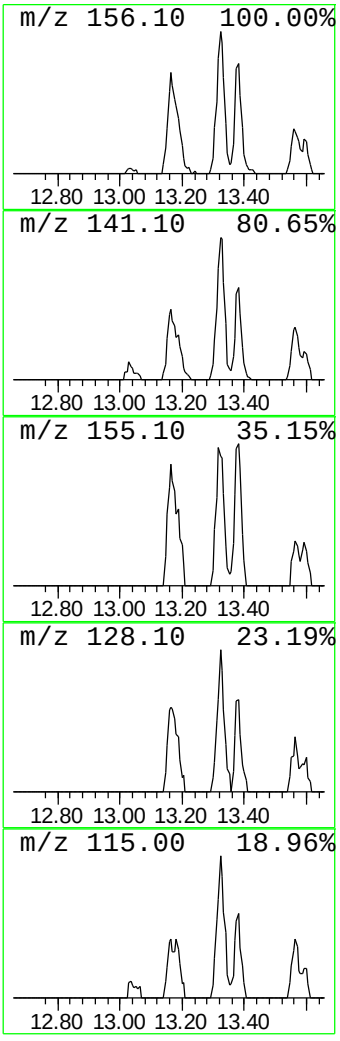
****

Peak Number 1 Naphthalene, 1,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	3.41 ng/ul	119874	Acenaphthene-d10	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030320\
Data File : BN010060.D
Acq On : 03 Mar 2020 14:03
Operator : CG/JU
Sample : L1507-22DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBD20DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

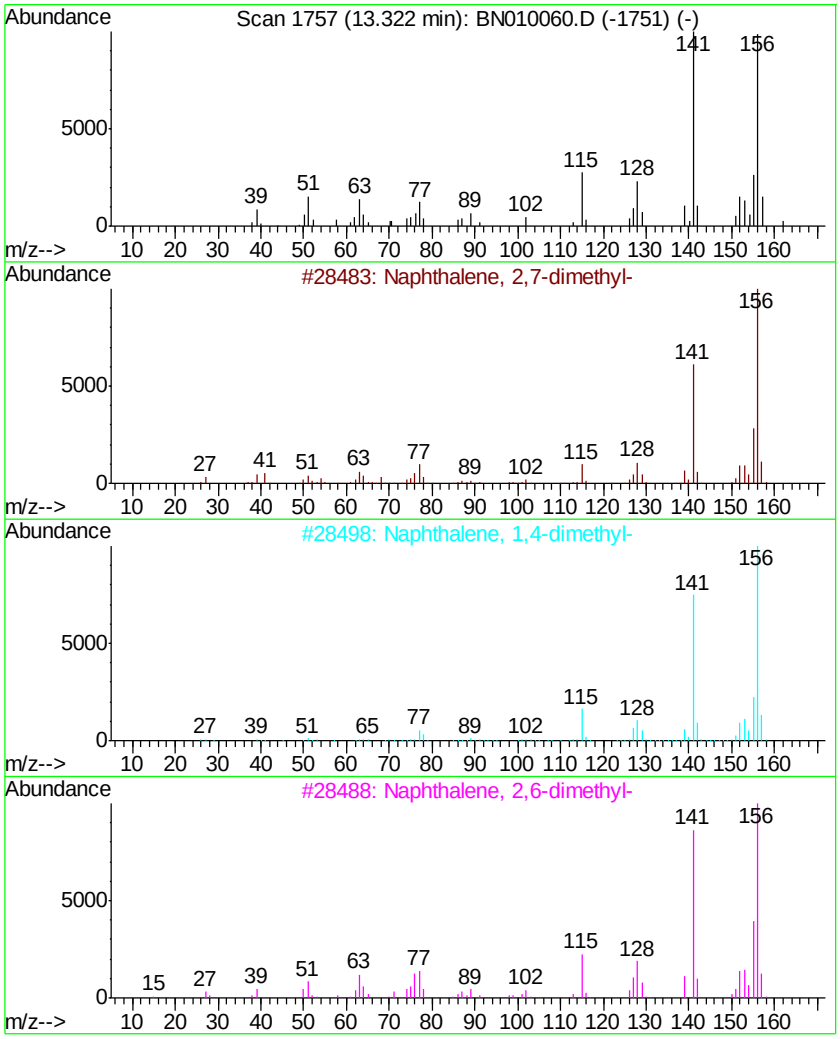
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

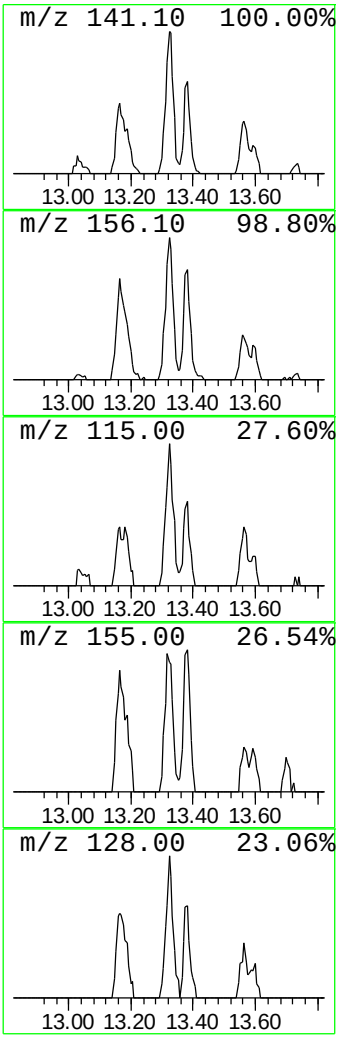
****

Peak Number 2 Naphthalene, 2,7-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	4.20 ng/ul	147740	Acenaphthene-d10	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030320\
Data File : BN010060.D
Acq On : 03 Mar 2020 14:03
Operator : CG/JU
Sample : L1507-22DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBD20DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

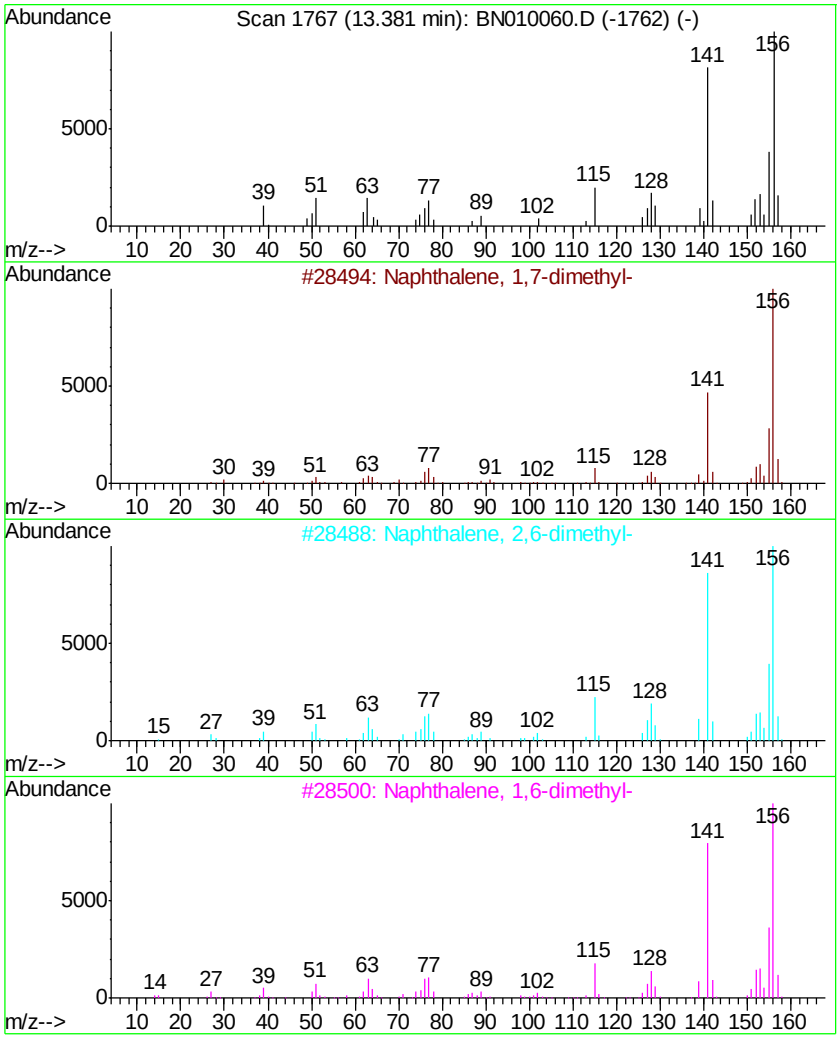
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

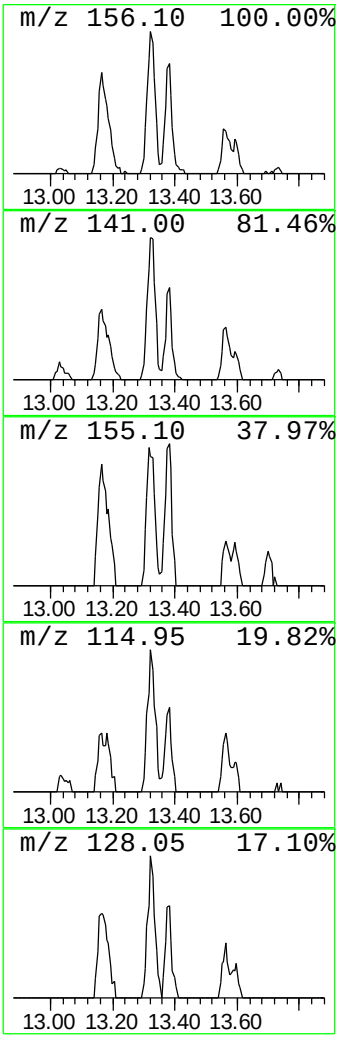
****

Peak Number 3 Naphthalene, 1,7-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	2.57 ng/ul	90409	Acenaphthene-d10	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030320\
Data File : BN010060.D
Acq On : 03 Mar 2020 14:03
Operator : CG/JU
Sample : L1507-22DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBD20DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

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

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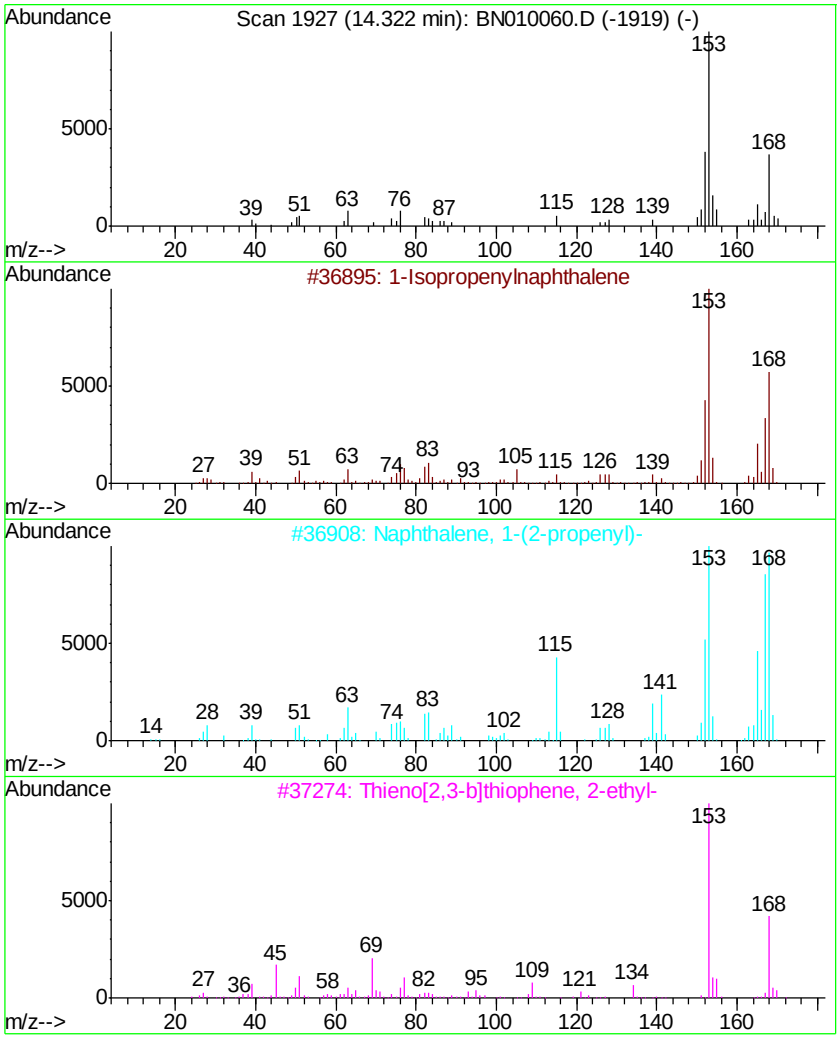
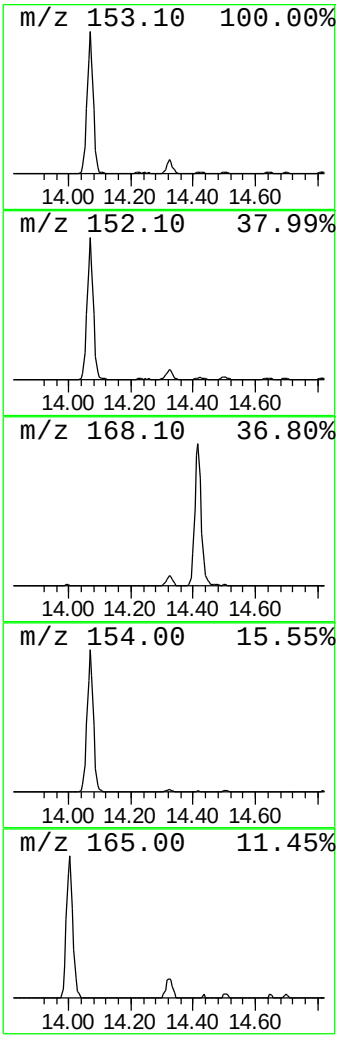
Peak Number 4 1-Isopropenylnaphthalene Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.32	2.20 ng/ul	77519	Acenaphthene-d10	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	80
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	72
3	Thieno[2,3-b]thiophene, 2-ethyl-	168	C8H8S2	005912-01-6	59
4	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	53
5	Acetophenone, 3'-fluoro-4'-methoxy-	168	C9H9FO2	000455-91-4	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030320\
Data File : BN010060.D
Acq On : 03 Mar 2020 14:03
Operator : CG/JU
Sample : L1507-22DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBD20DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

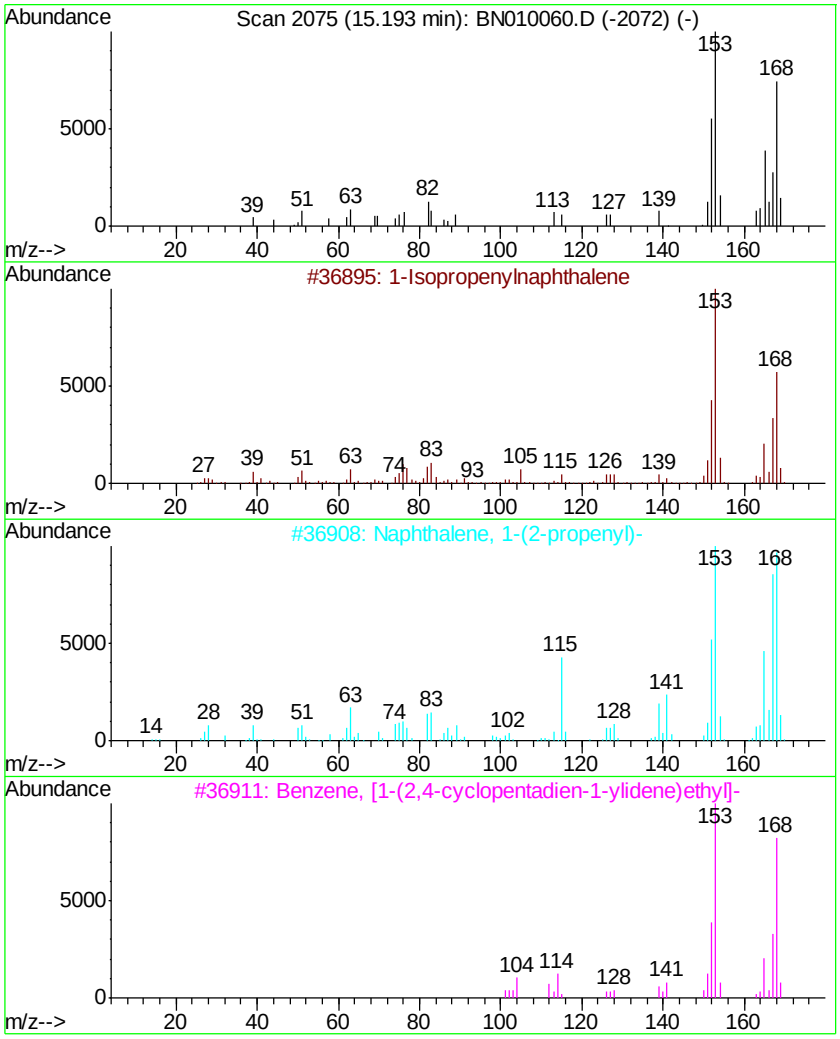
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

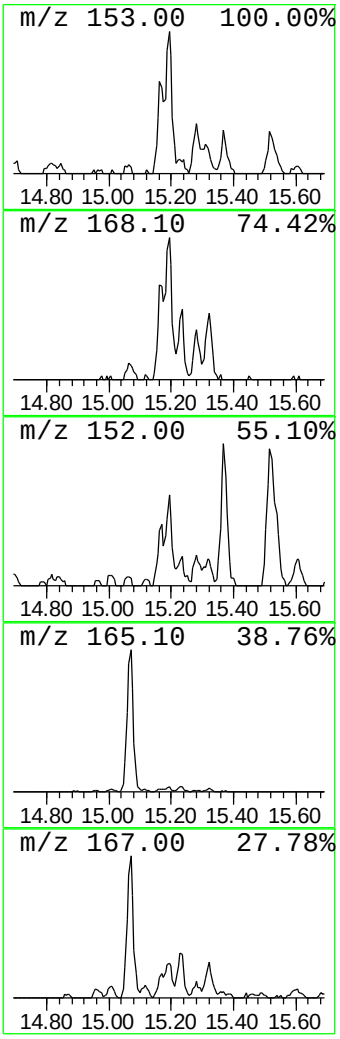
****

Peak Number 5 Naphthalene, 1-(2-propenyl)- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	3.05 ng/ul	107195	Acenaphthene-d10	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	74
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	72
3	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	72
4	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	72
5	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	47





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Acq On : 03 Mar 2020 14:03
Operator : CG/JU
Sample : L1507-22DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBD20DL

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Quant Title : SVOA CALIBRATION

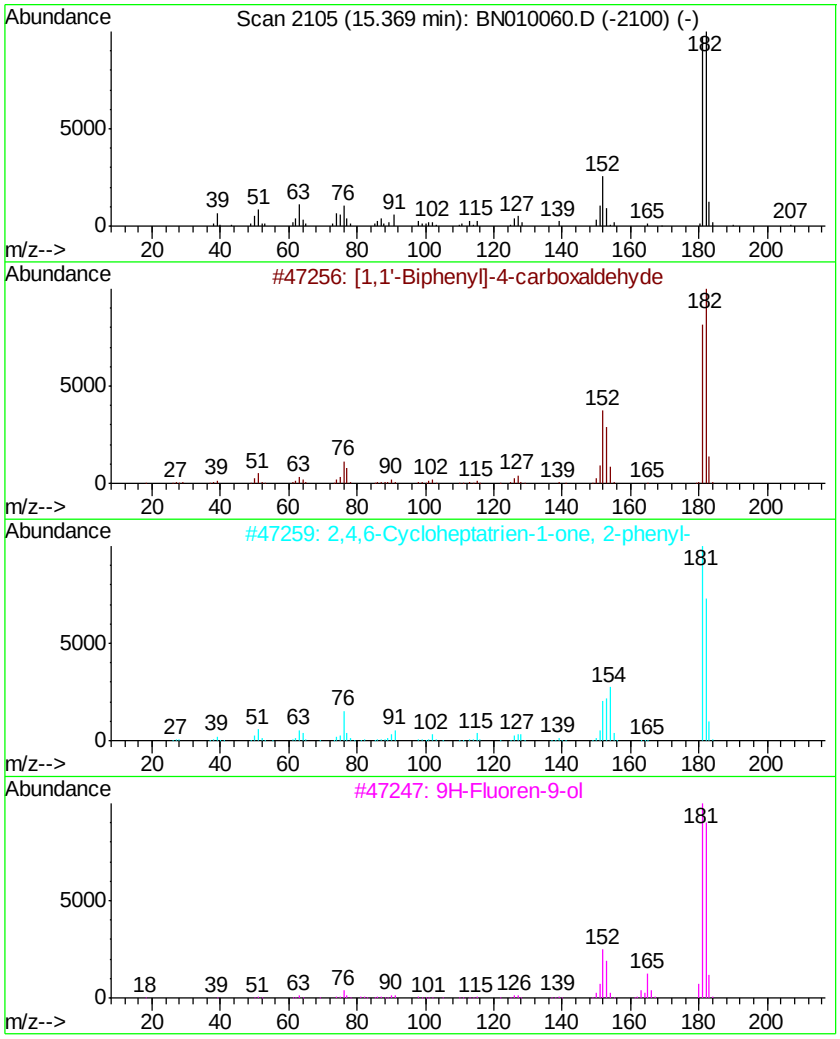
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

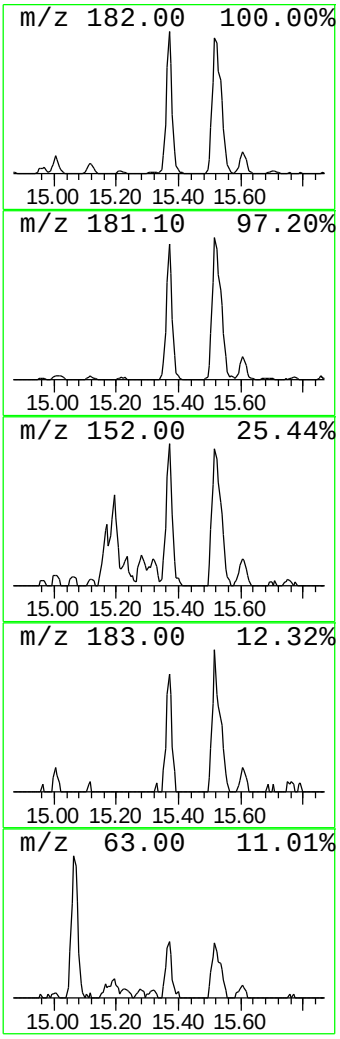
****

Peak Number 6 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	7.07 ng/ul	248709	Acenaphthene-d10	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	72
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	64





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Instrument : BNA_N
ClientSampleId : DBD20DL

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Quant Title : SVOA CALIBRATION

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

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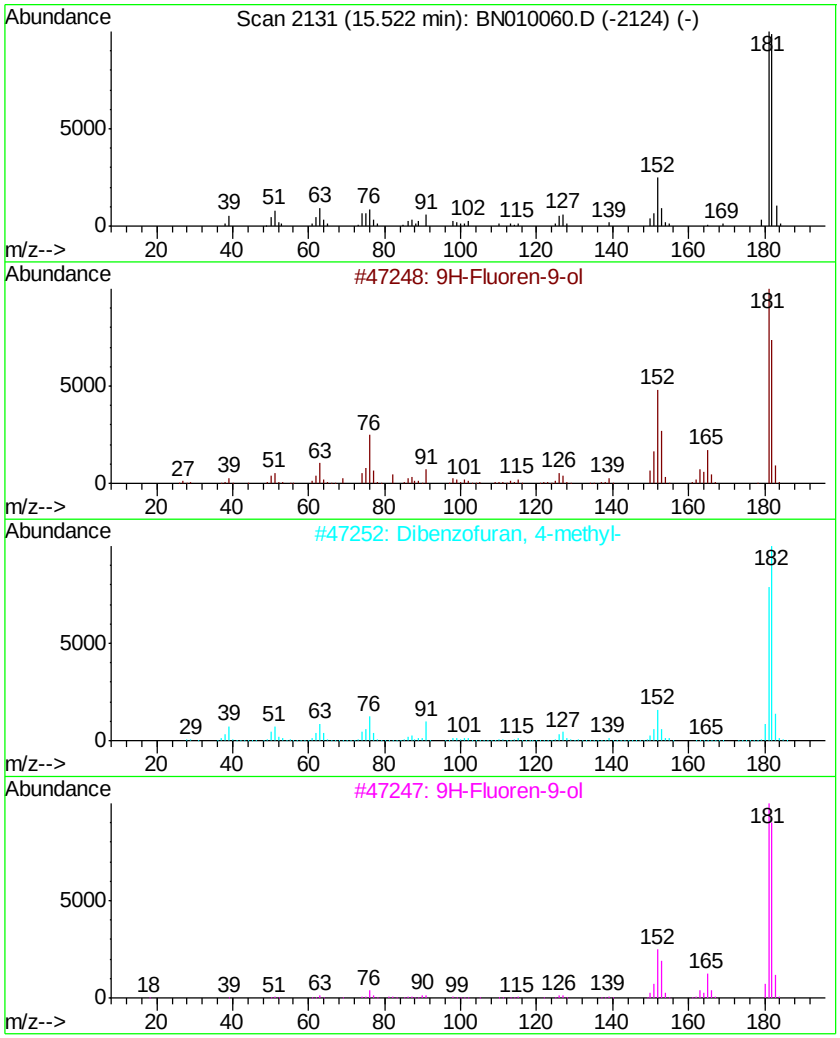
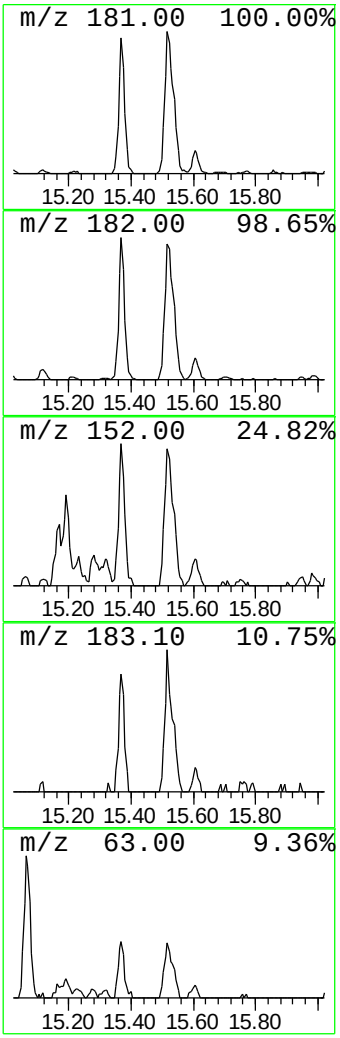
Peak Number 7 9H-Fluoren-9-ol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.52	8.20 ng/ul	358103	Phenanthrene-d10	16.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	91
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	89
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	68





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Instrument : BNA_N
ClientSampleId : DBD20DL

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Quant Title : SVOA CALIBRATION

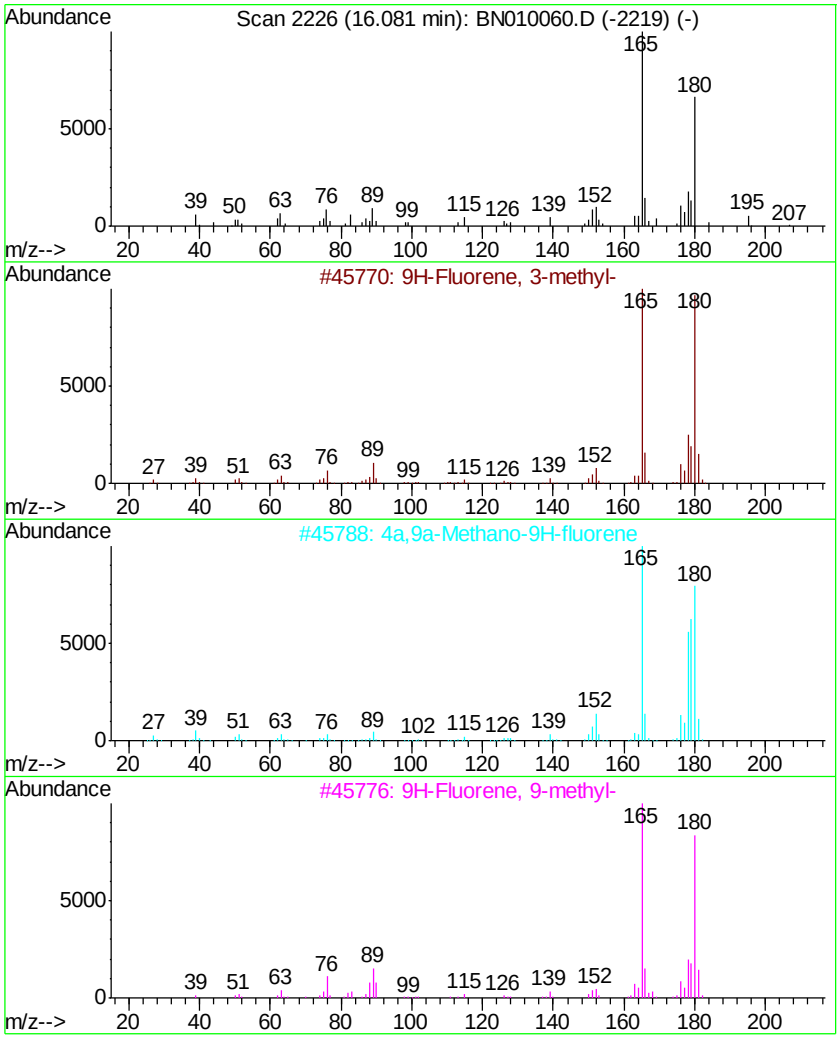
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

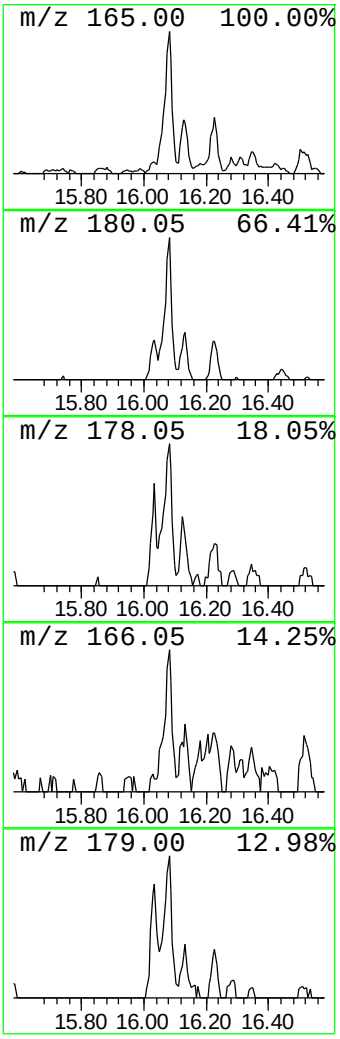
****

Peak Number 8 9H-Fluorene, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.08	5.06 ng/ul	220857	Phenanthrene-d10	16.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
2	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	89
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	80
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	68
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	64





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Instrument : BNA_N
ClientSampleId : DBD20DL

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Quant Title : SVOA CALIBRATION

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

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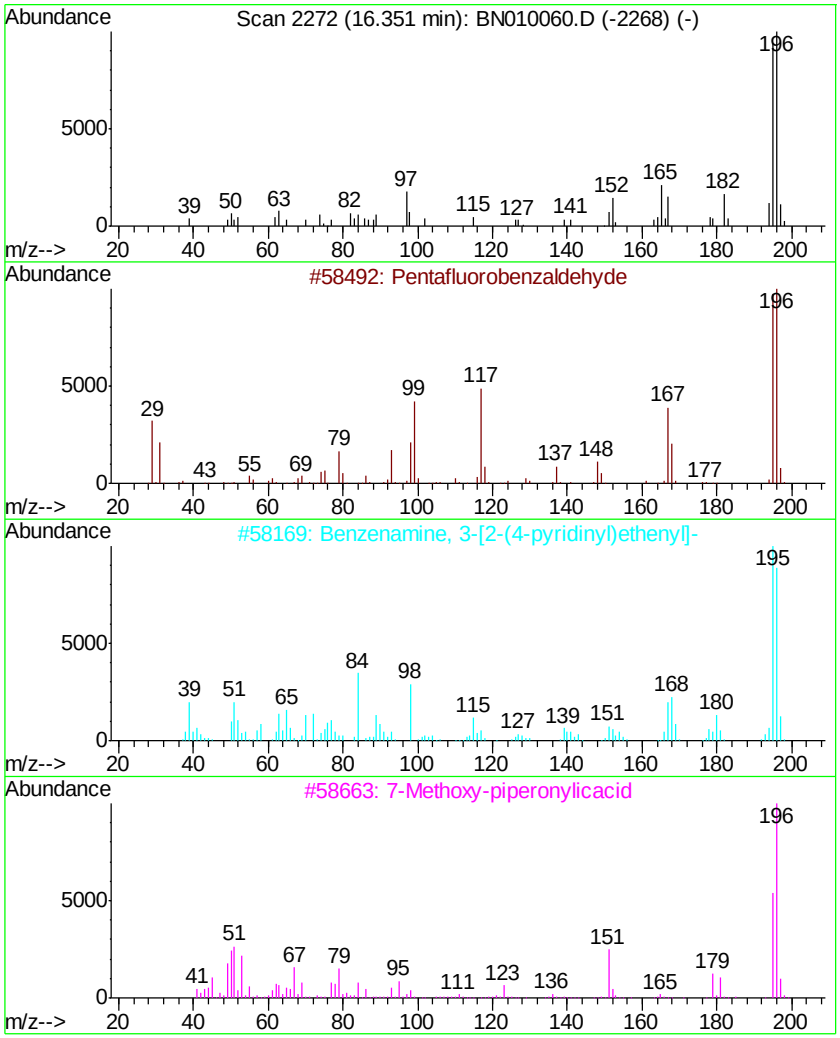
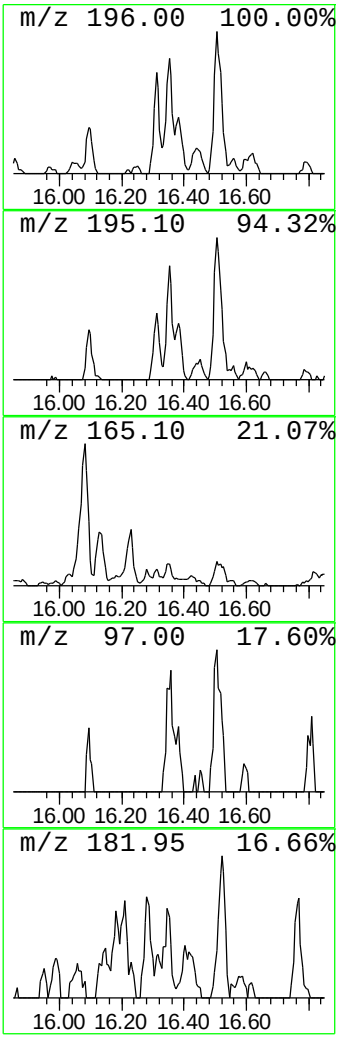
Peak Number 9 Pentafluorobenzaldehyde Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.35	2.43 ng/ul	105984	Phenanthrene-d10	16.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentafluorobenzaldehyde	196	C7HF5O	000653-37-2	64
2	Benzenamine, 3-[2-(4-pyridinyl)e...	196	C13H12N2	1000337-31-3	64
3	7-Methoxy-piperonylicacid	196	C9H8O5	000526-34-1	43
4	Benzenamine, 4-[(E)-2-(4-pyridin...	196	C13H12N2	1000351-61-4	43
5	9-Anthracenamine, 9,10-dihydro-	195	C14H13N	097825-91-7	43





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Sample : L1507-22DL 30X
Misc :
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Instrument : BNA_N
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Quant Title : SVOA CALIBRATION

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

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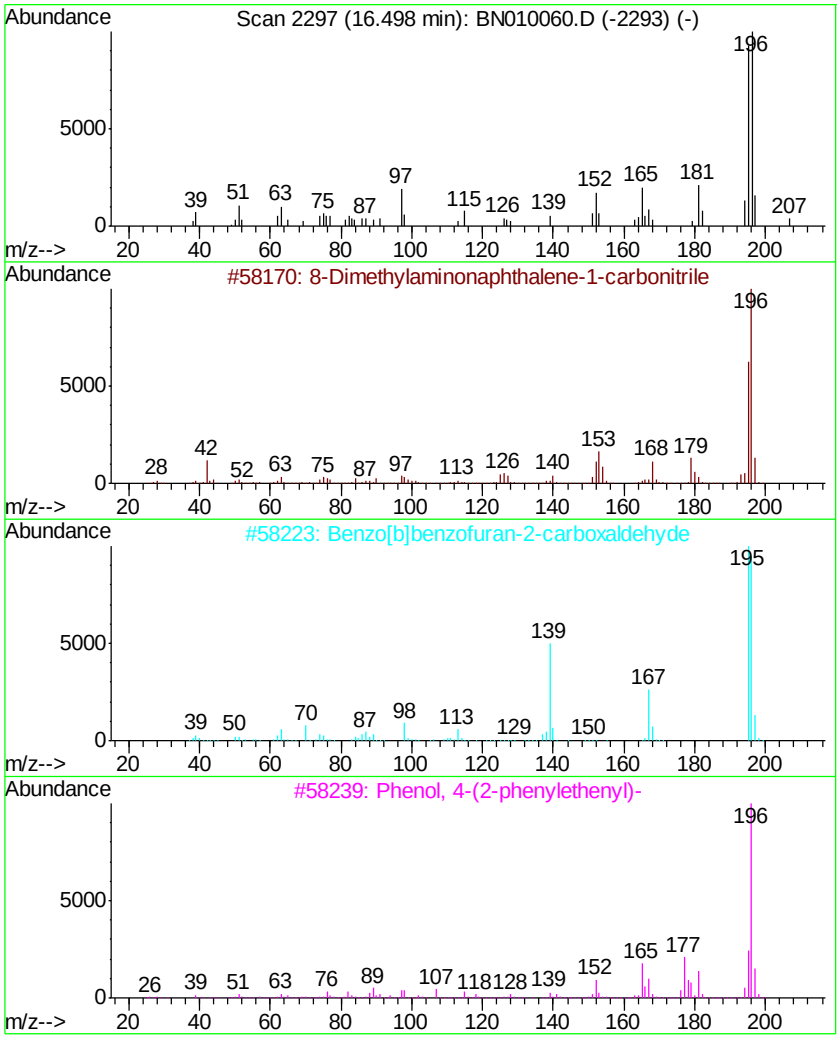
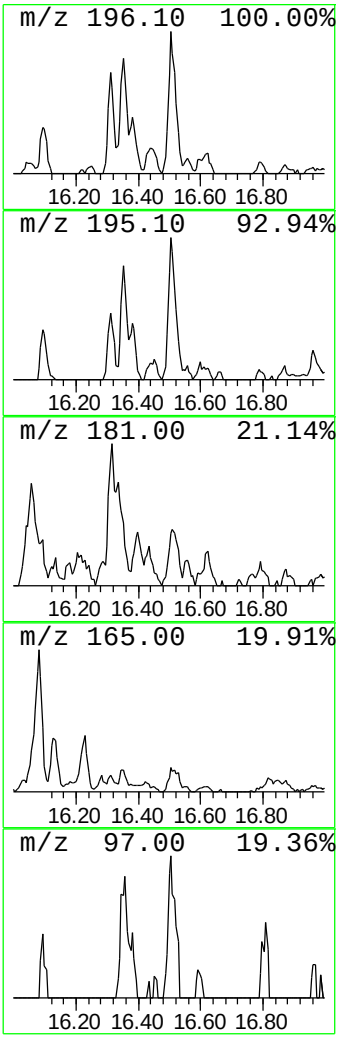
Peak Number 10 8-Dimethylaminonaphthalene-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.50	3.68 ng/ul	160784	Phenanthrene-d10	16.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	59
2	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	53
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	52
4	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	47
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	47





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Quant Title : SVOA CALIBRATION

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

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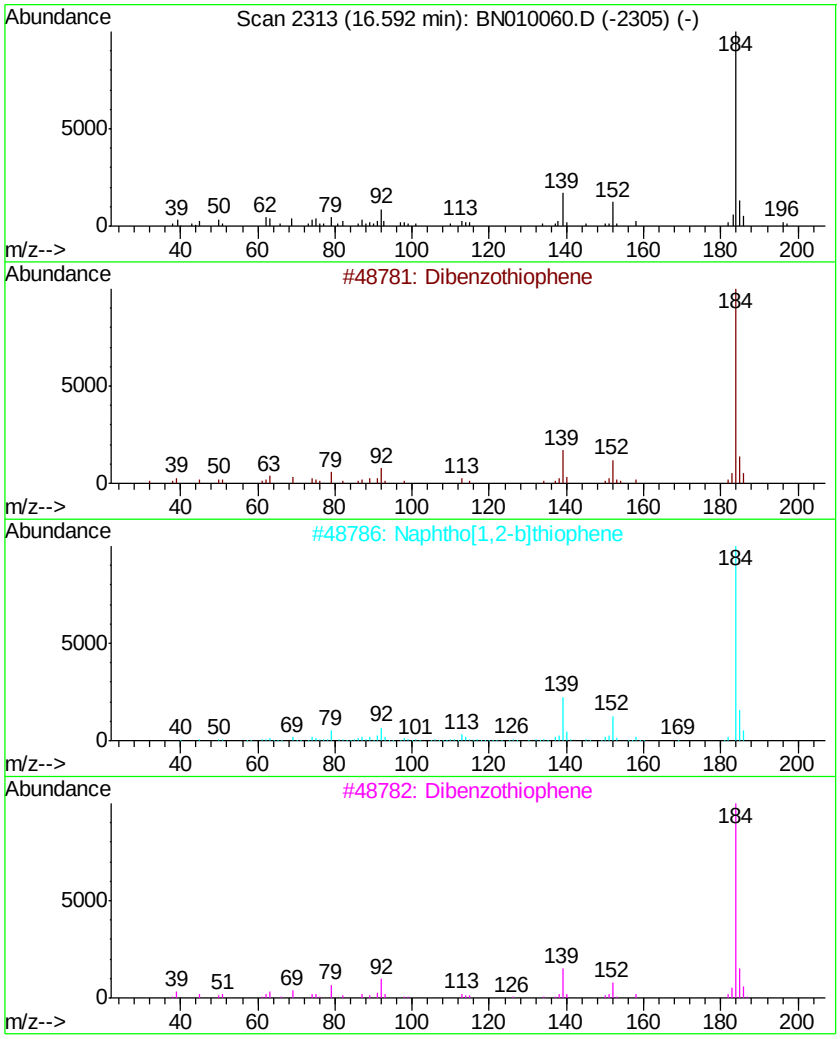
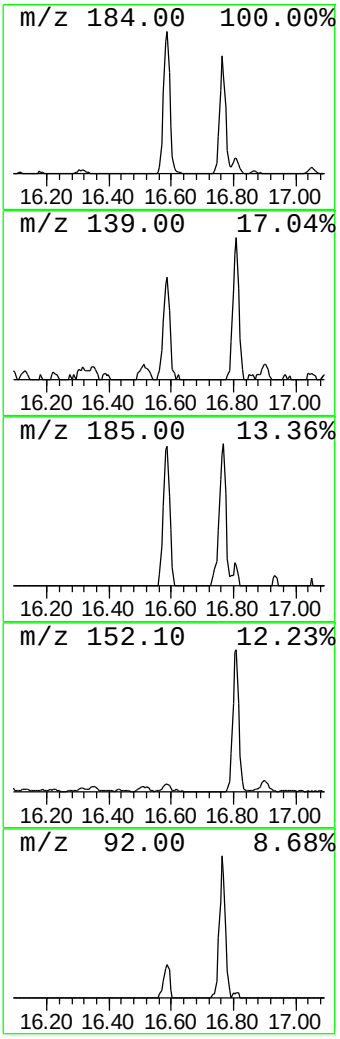
Peak Number 11 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.59	3.92 ng/ul	171127	Phenanthrene-d10	16.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	96
3	Dibenzothiophene	184	C12H8S	000132-65-0	96
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95





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Misc :
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Instrument : BNA_N
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Quant Title : SVOA CALIBRATION

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

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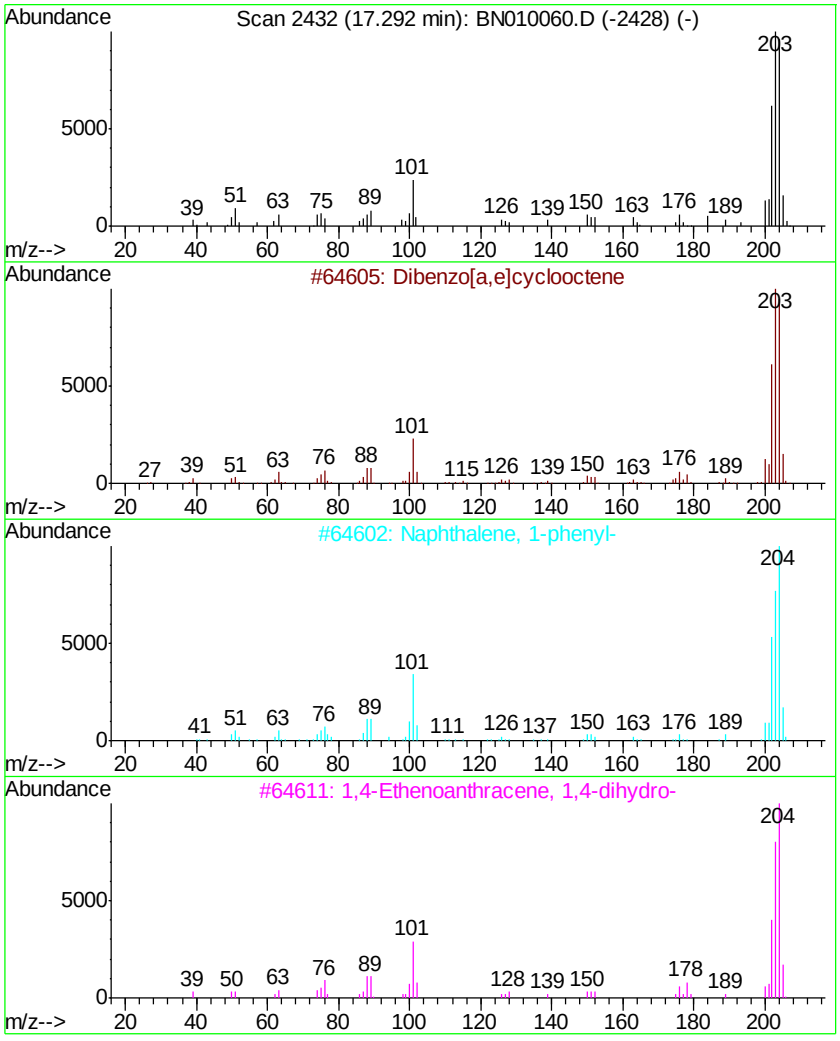
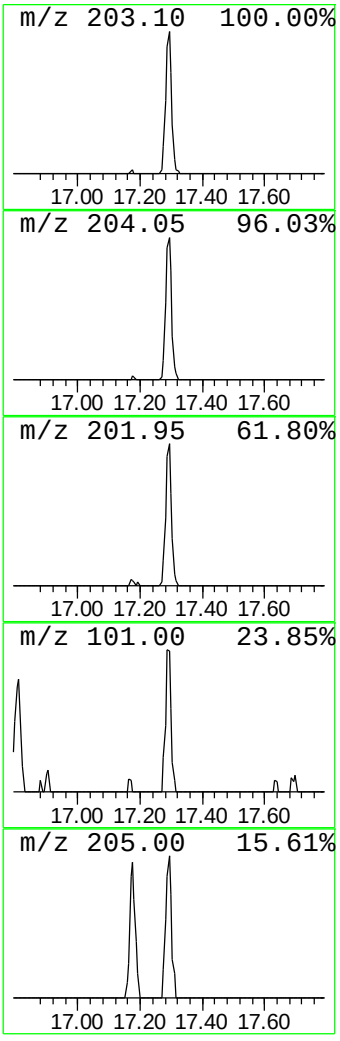
Peak Number 12 Dibenzo[a,e]cyclooctene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.29	2.77 ng/ul	120982	Phenanthrene-d10	16.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	94
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	90
3	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	90
4	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	81
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	78





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ClientSampleId : DBD20DL

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Quant Title : SVOA CALIBRATION

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

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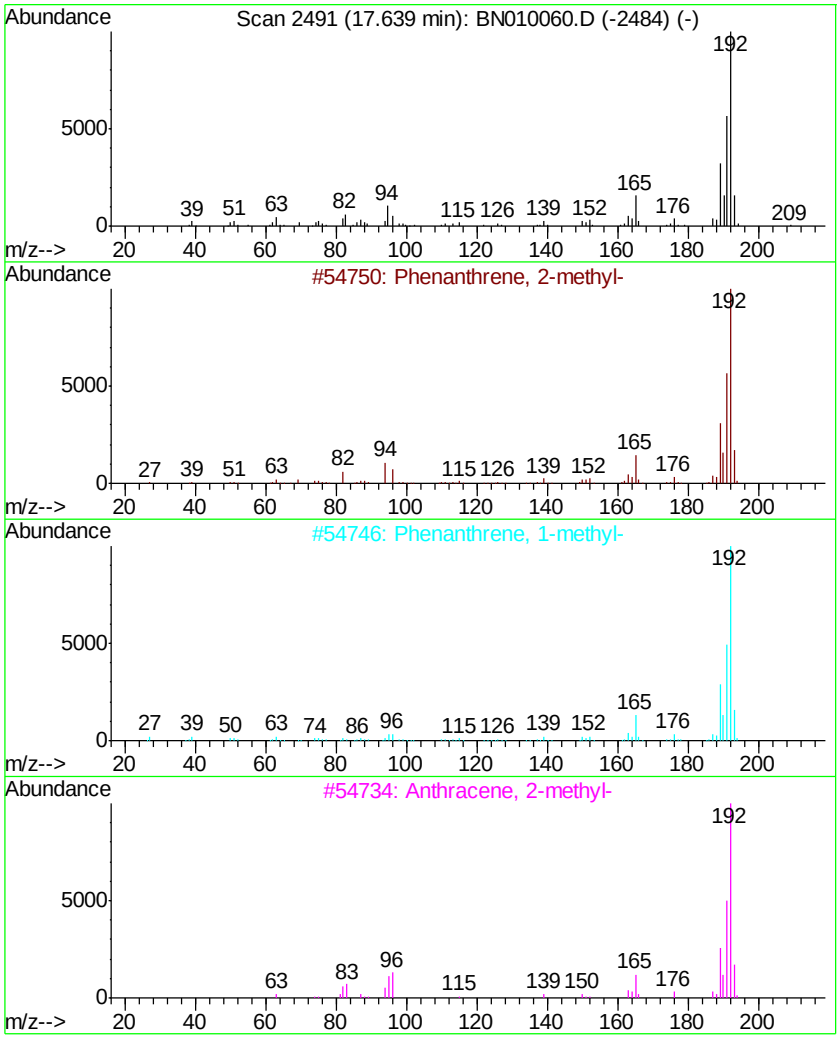
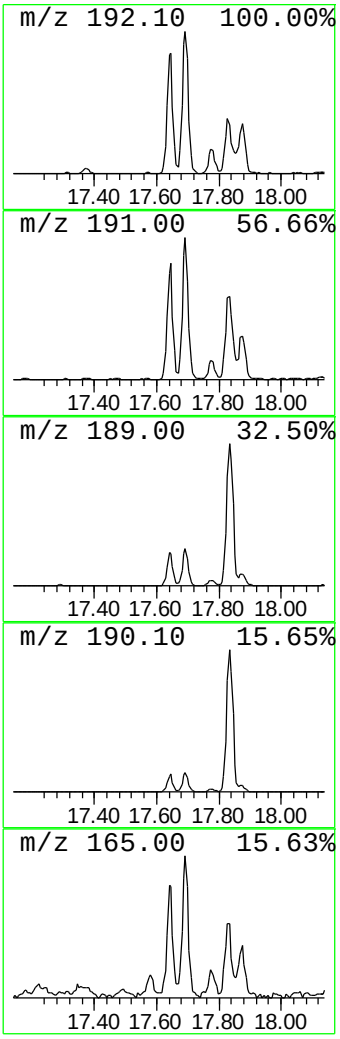
Peak Number 13 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.64	10.24 ng/ul	447154	Phenanthrene-d10	16.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





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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 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.69	12.50 ng/ul	545678	Phenanthrene-d10	16.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
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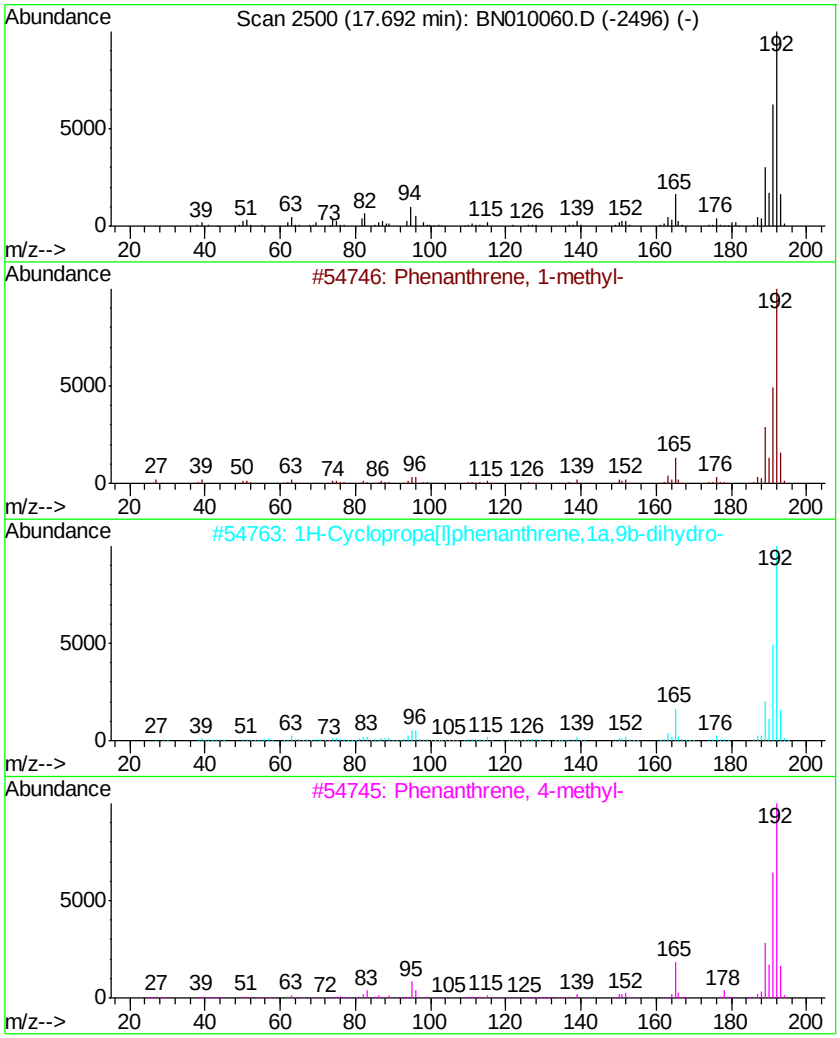

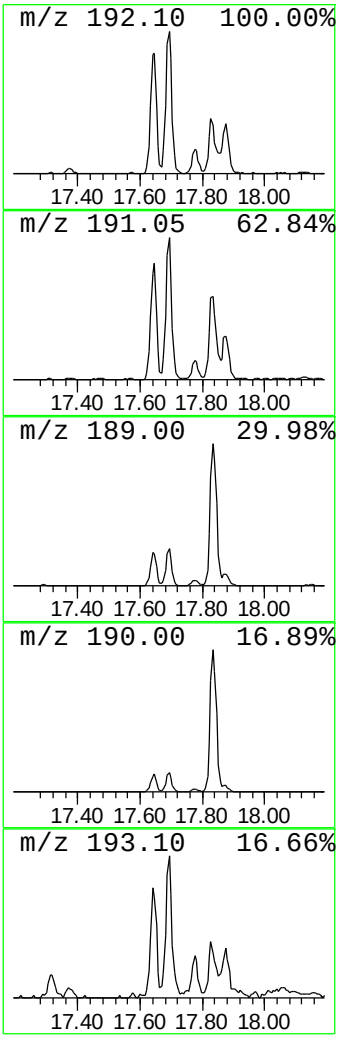

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Quant Title : SVOA CALIBRATION

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

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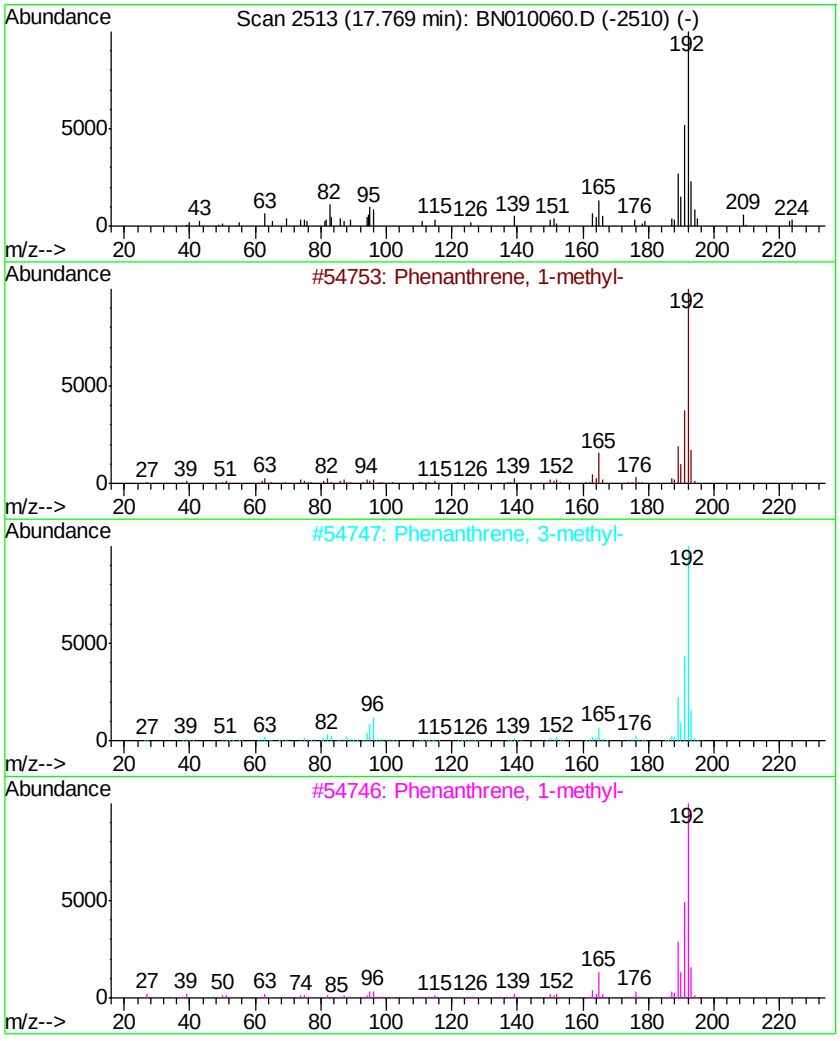
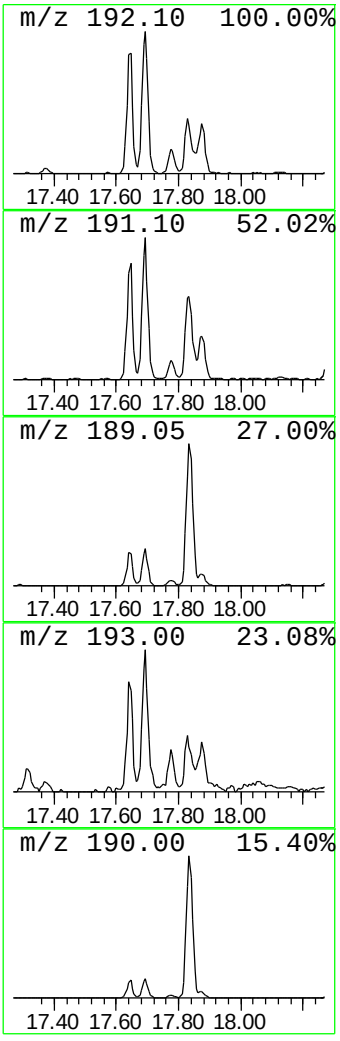
Peak Number 15 Phenanthrene, 3-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.77	2.23 ng/ul	97172	Phenanthrene-d10	16.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	89
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89





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Quant Title : SVOA CALIBRATION

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

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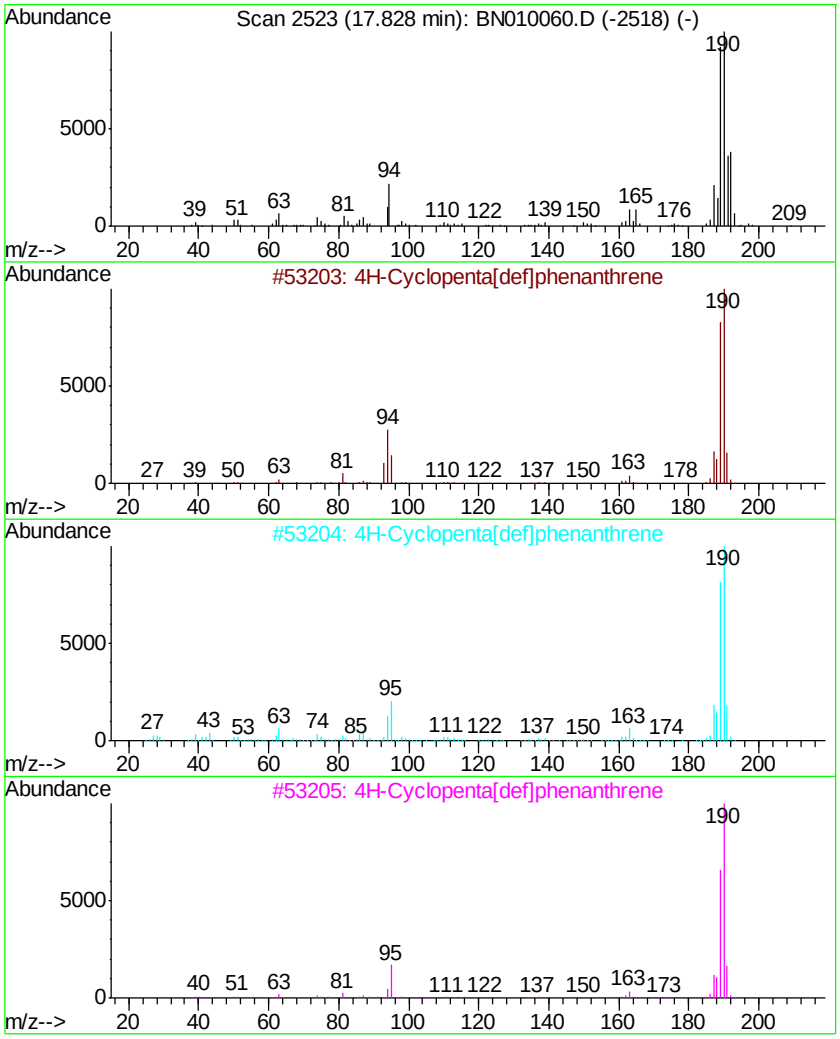
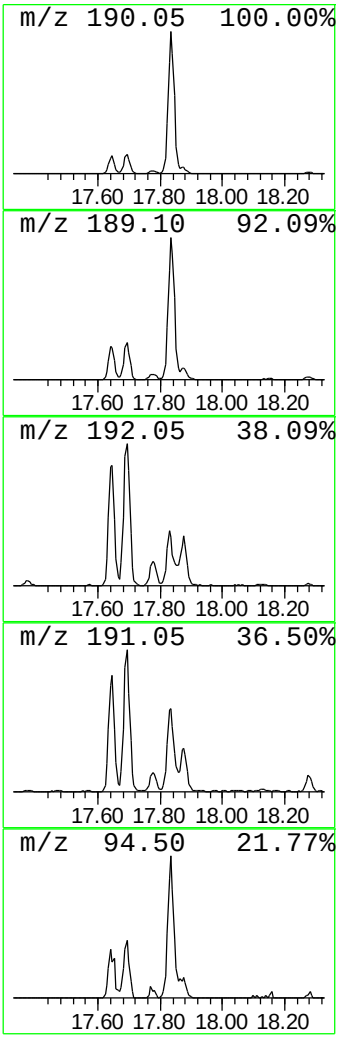
Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.83	18.94 ng/ul	826535	Phenanthrene-d10	16.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	80
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	74
4	Methyl diselenide	190	C2H6Se2	007101-31-7	55
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50





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Data File : BN010060.D
Acq On : 03 Mar 2020 14:03
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Sample : L1507-22DL 30X
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ClientSampleId : DBD20DL

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Quant Title : SVOA CALIBRATION

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

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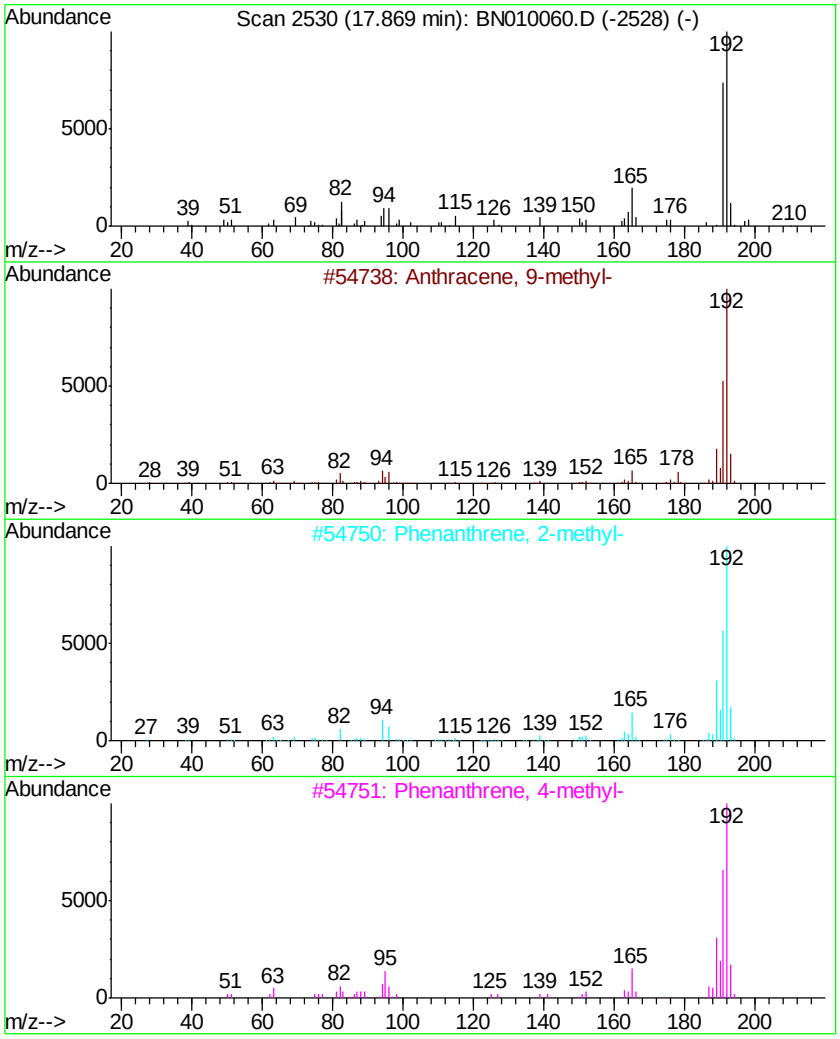
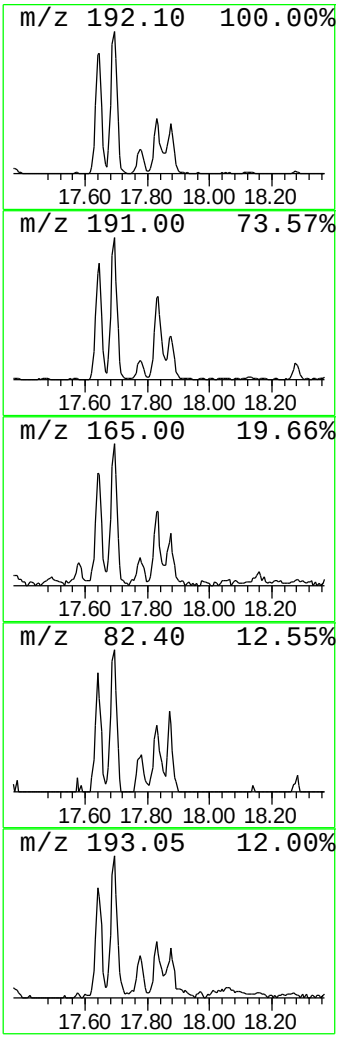
Peak Number 17 Anthracene, 9-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	3.84 ng/ul	167626	Phenanthrene-d10	16.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90





Library Search Compound Report

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Acq On : 03 Mar 2020 14:03
Operator : CG/JU
Sample : L1507-22DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBD20DL

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Quant Title : SVOA CALIBRATION

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

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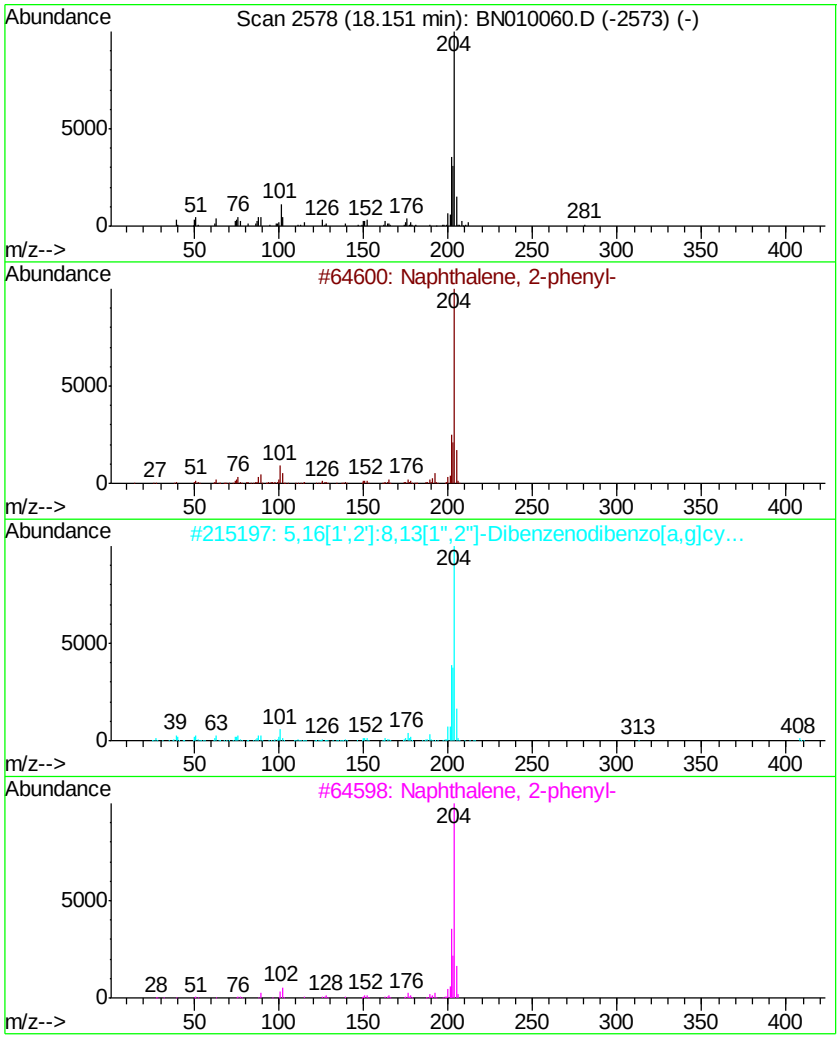
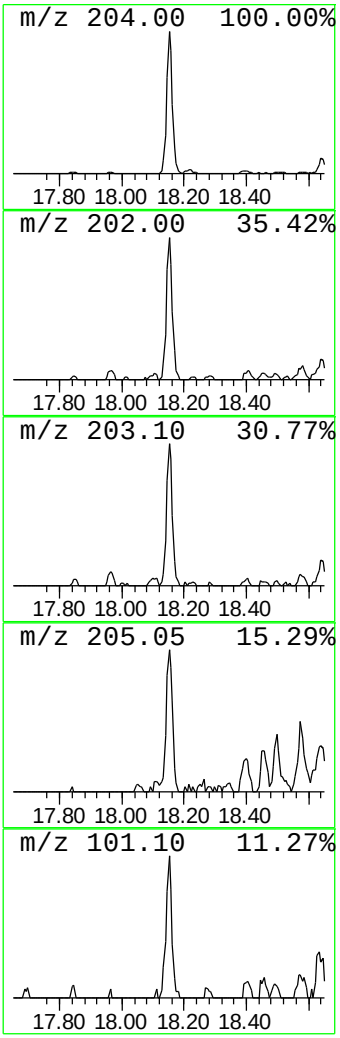
Peak Number 18 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	6.28 ng/ul	273953	Phenanthrene-d10	16.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	87
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	68





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Sample : L1507-22DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBD20DL

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Quant Title : SVOA CALIBRATION

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

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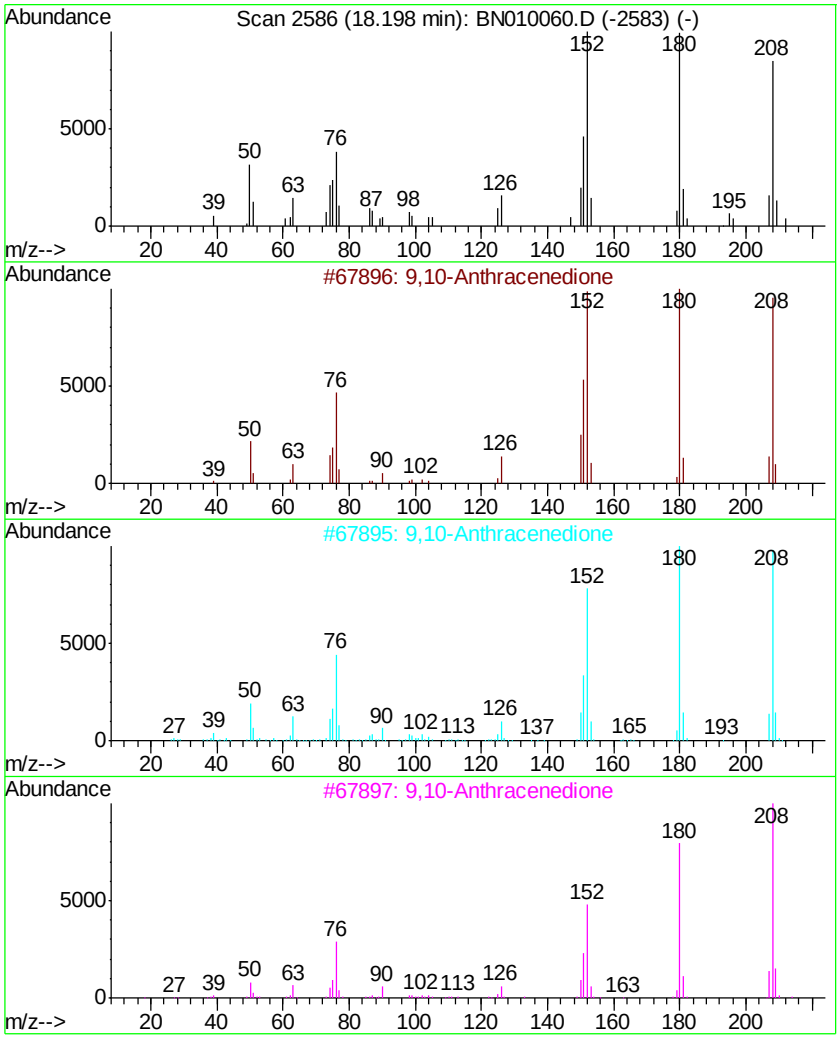
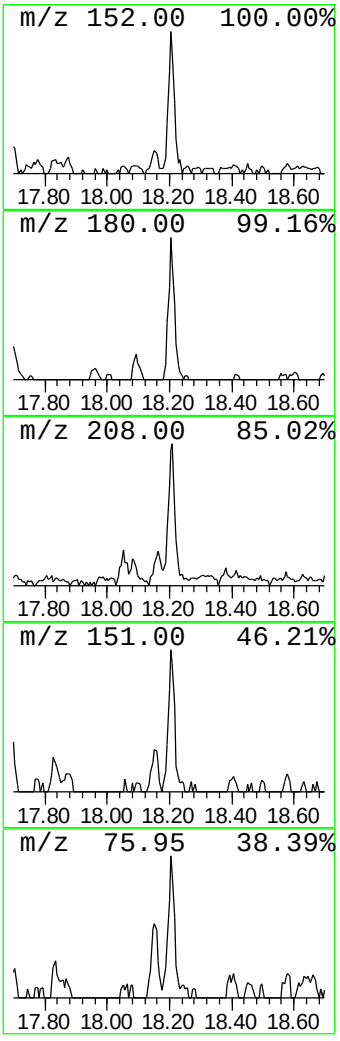
Peak Number 19 9,10-Anthracenedione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.20	2.81 ng/ul	122564	Phenanthrene-d10	16.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70





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Acq On : 03 Mar 2020 14:03
Operator : CG/JU
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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBD20DL

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Quant Title : SVOA CALIBRATION

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

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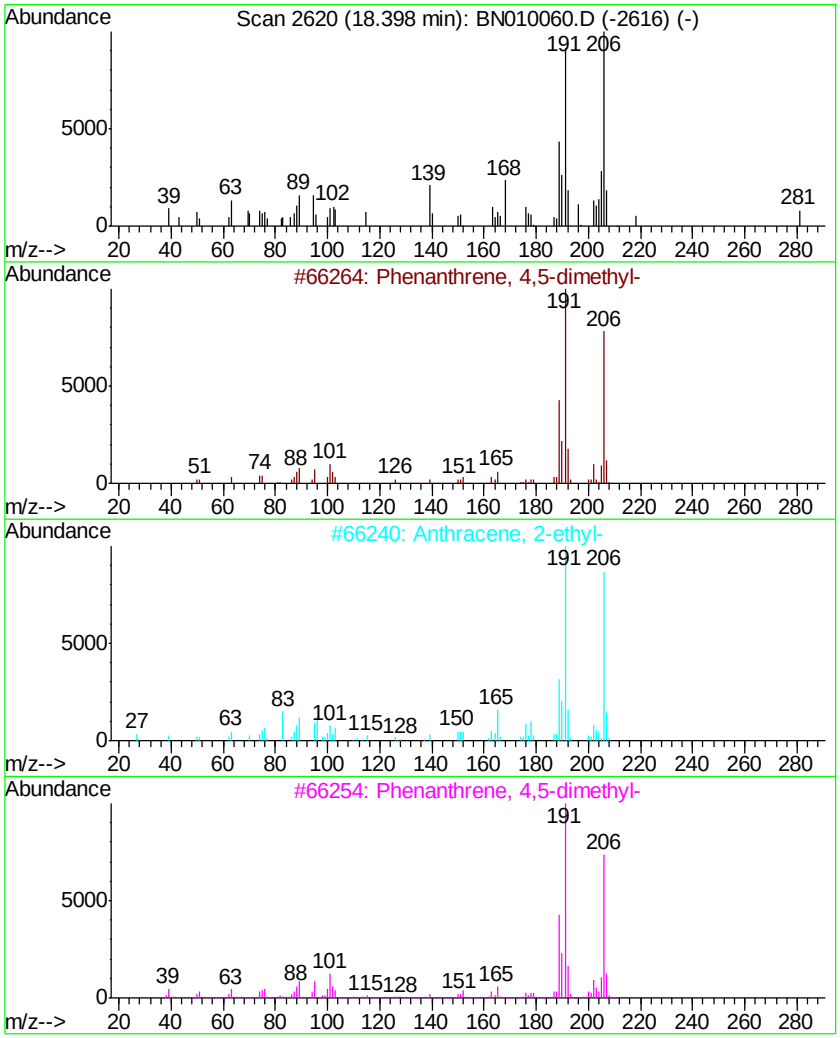
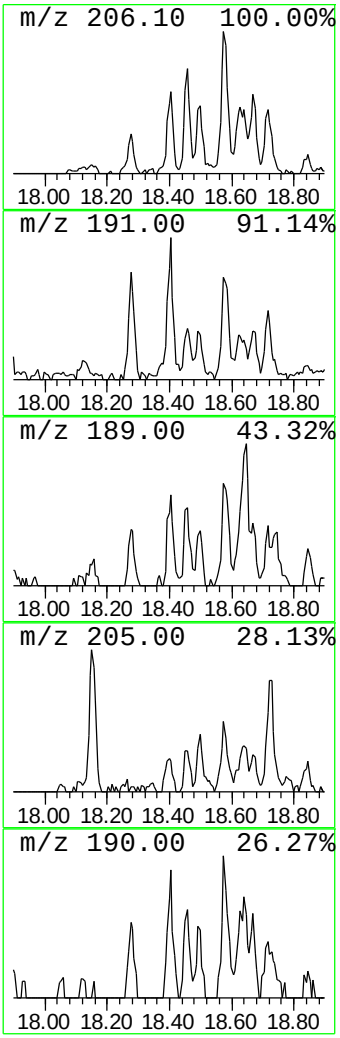
Peak Number 20 Phenanthrene, 4,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	2.79 ng/ul	121589	Phenanthrene-d10	16.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	96
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	89
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	89
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	89
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	86





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Sample : L1507-22DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBD20DL

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Quant Title : SVOA CALIBRATION

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

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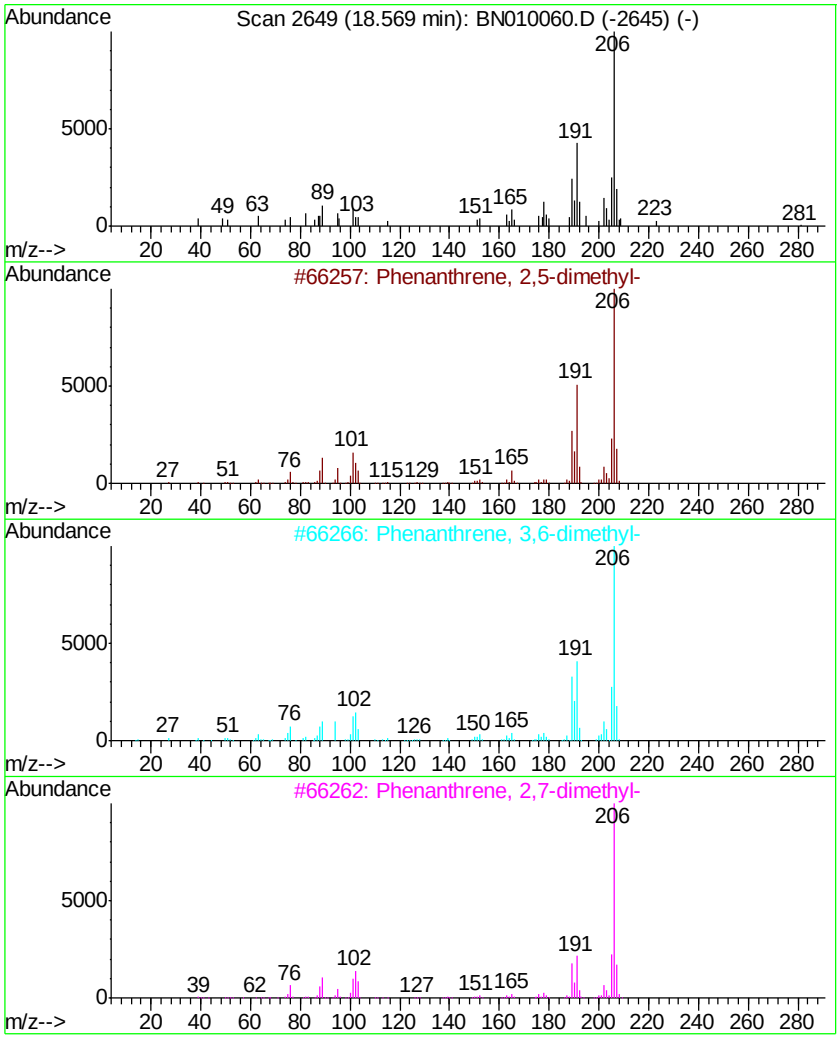
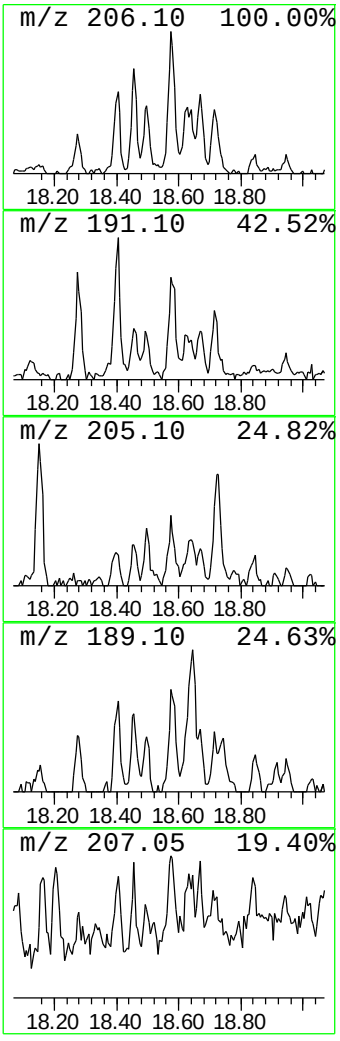
Peak Number 21 Phenanthrene, 2,5-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	2.61 ng/ul	113778	Phenanthrene-d10	16.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





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Sample : L1507-22DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBD20DL

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Quant Title : SVOA CALIBRATION

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

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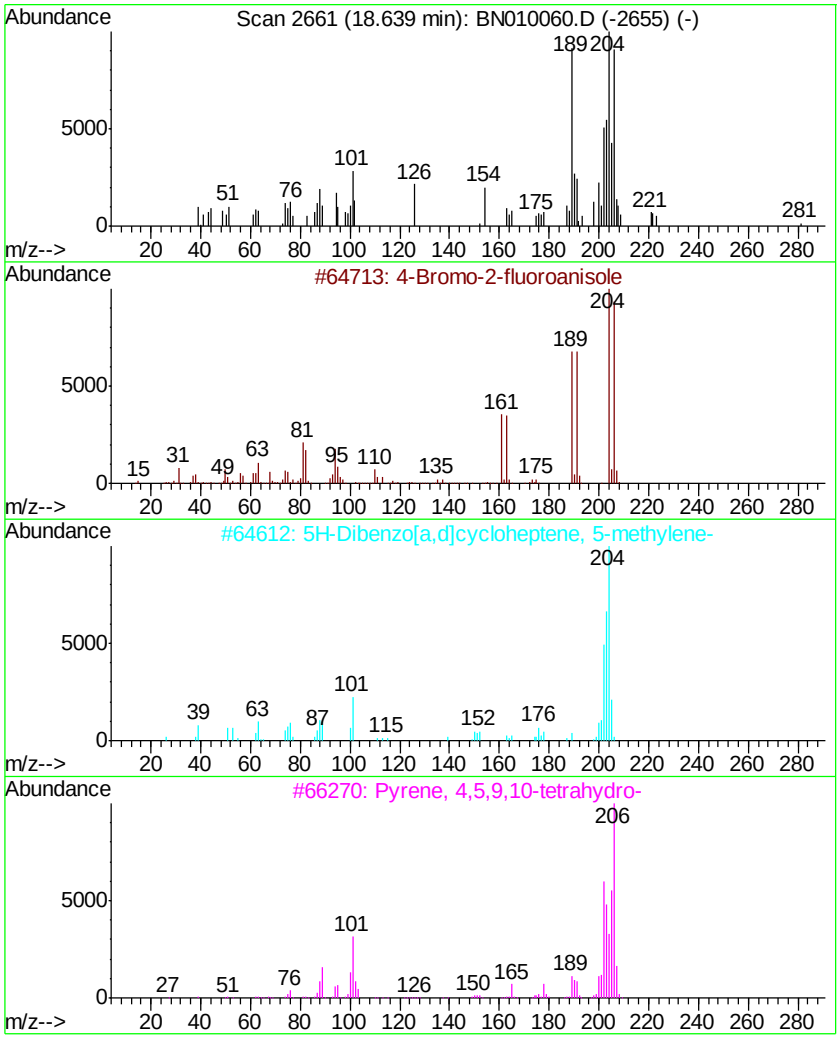
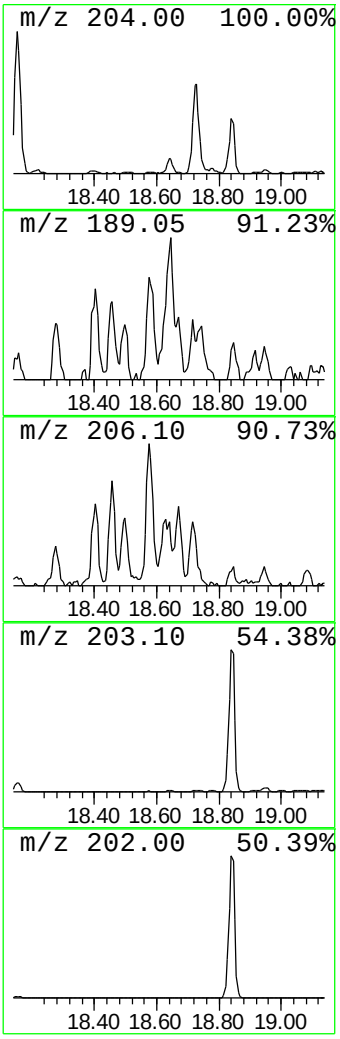
Peak Number 22 unknown-01 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.64	2.33 ng/ul	101680	Phenanthrene-d10	16.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Bromo-2-fluoroanisole	204	C7H6BrFO	002357-52-0	46
2	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	35
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	35
4	3,5-Dichloro-2,4-dimethyl-1-meth...	204	C9H10Cl2O	1000250-17-8	30
5	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	30





Library Search Compound Report

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Operator : CG/JU
Sample : L1507-22DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBD20DL

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Quant Title : SVOA CALIBRATION

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

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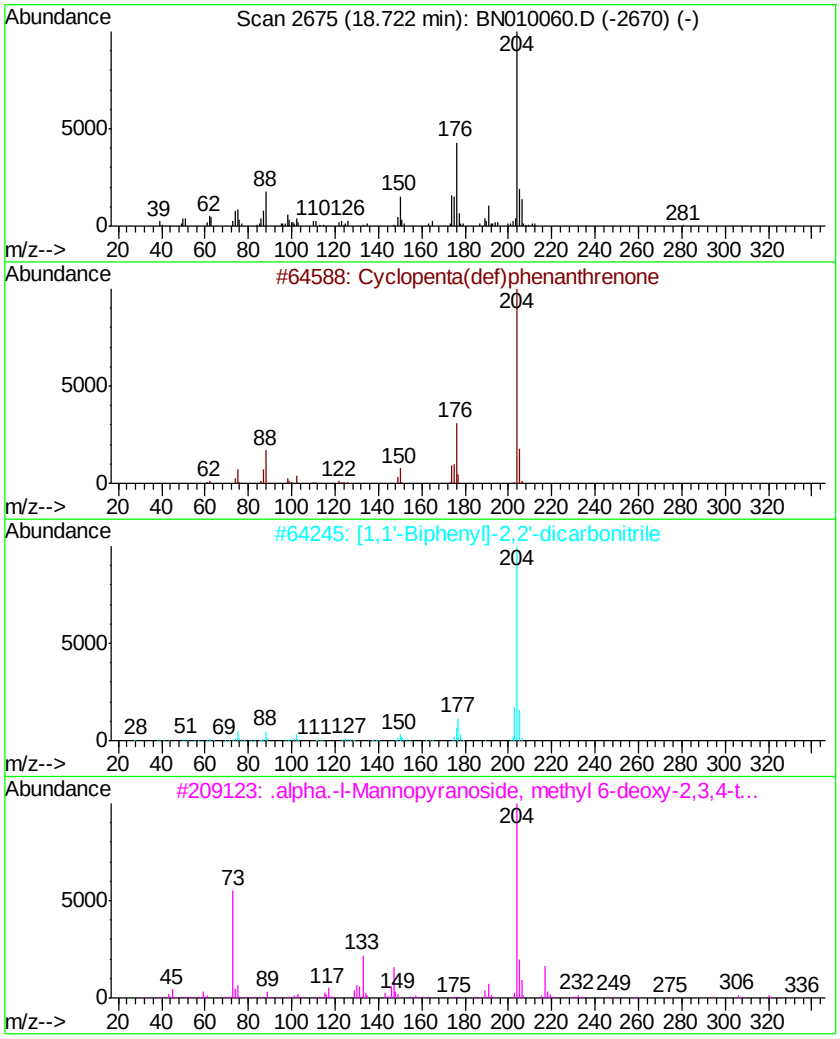
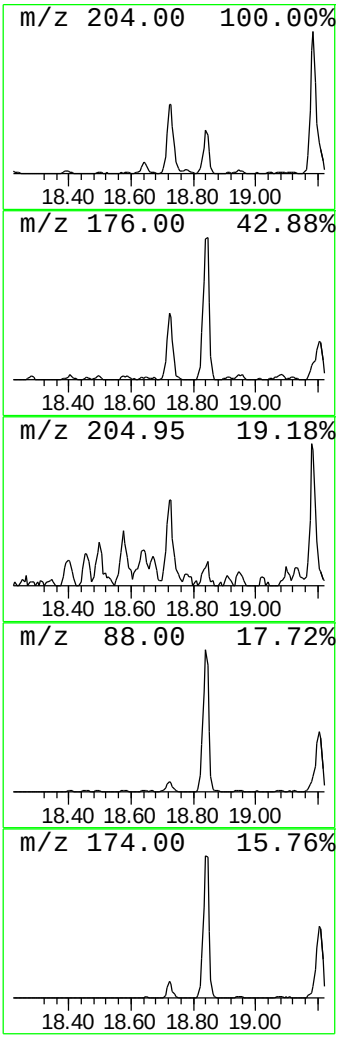
Peak Number 23 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	5.54 ng/ul	241692	Phenanthrene-d10	16.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
3	.alpha.-l-Mannopyranoside, methy...	394	C16H38O5Si3	056271-60-4	47
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	45
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43





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Operator : CG/JU
Sample : L1507-22DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBD20DL

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Quant Title : SVOA CALIBRATION

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

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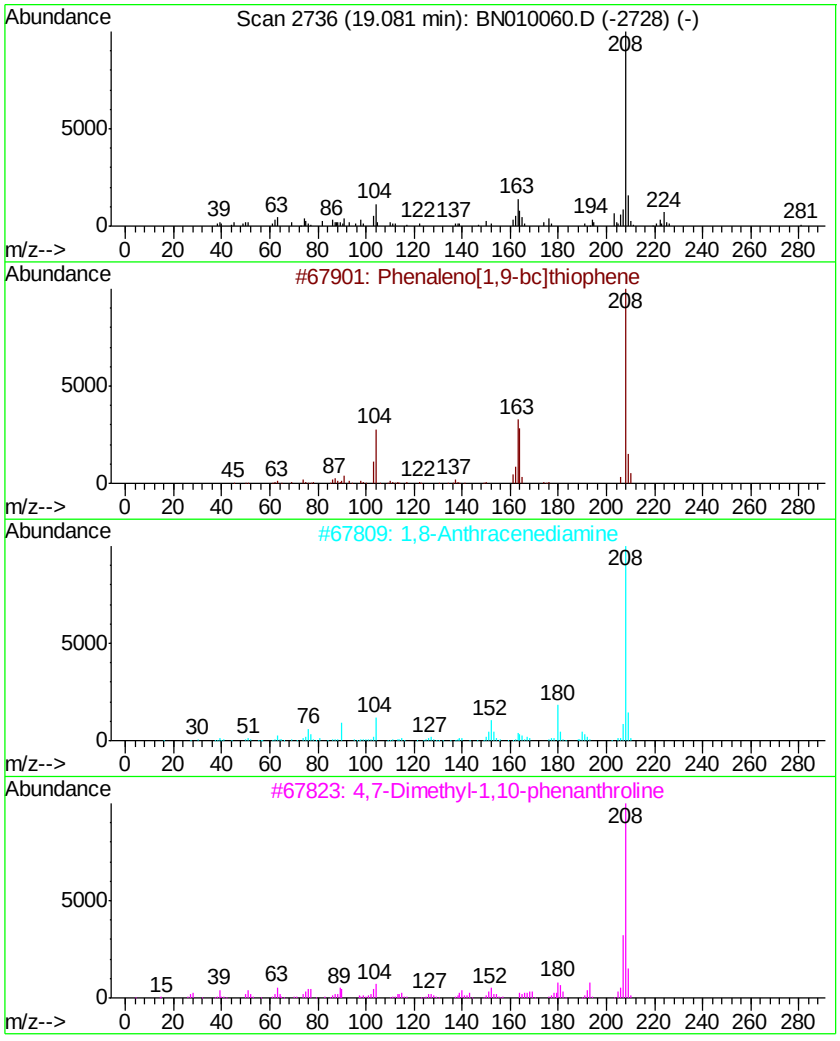
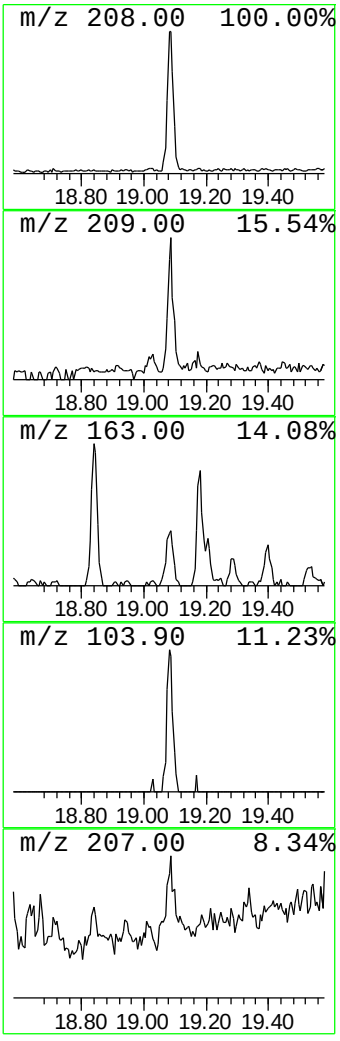
Peak Number 24 Phenaleno[1,9-bc]thiophene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.08	2.28 ng/ul	169050	Chrysene-d12	20.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenaleno[1,9-bc]thiophene	208	C14H8S	079965-99-4	80
2	1,8-Anthracenediamine	208	C14H12N2	139312-39-3	72
3	4,7-Dimethyl-1,10-phenanthroline	208	C14H12N2	003248-05-3	64
4	Phenanthrene, 3-methoxy-	208	C15H12O	000835-06-3	64
5	1H-Indazole, 6-methyl-1-phenyl-	208	C14H12N2	1000305-65-6	64





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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBD20DL

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Quant Title : SVOA CALIBRATION

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

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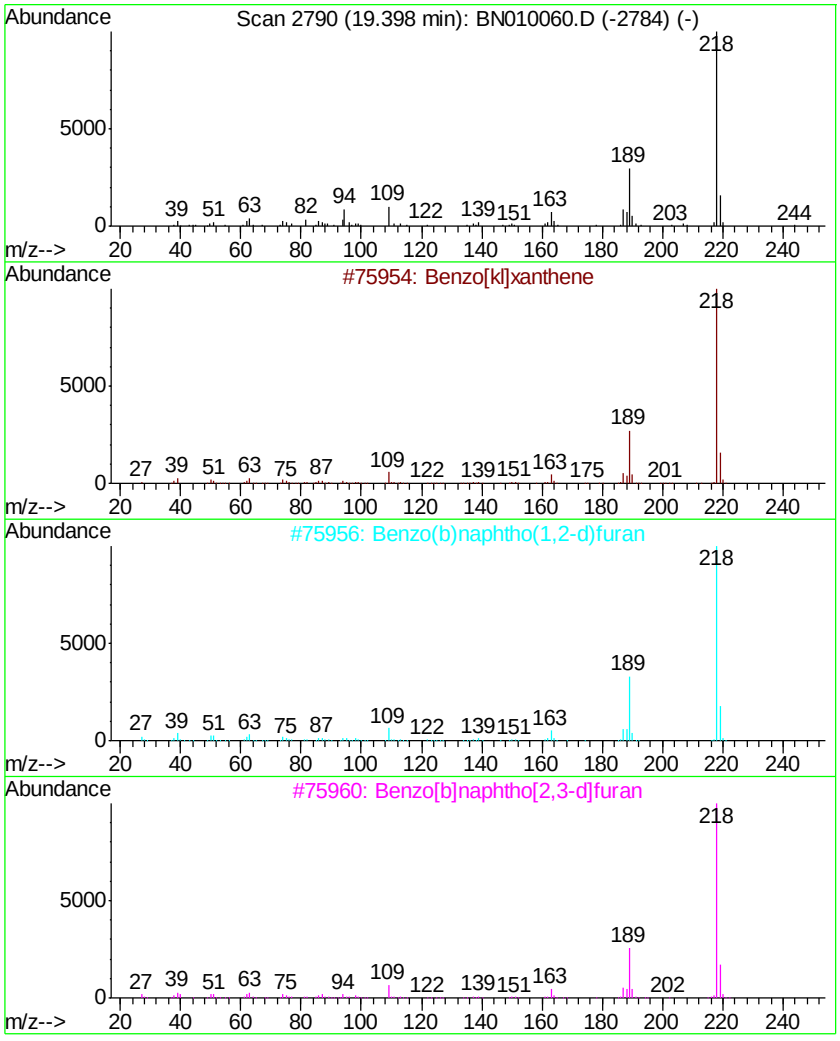
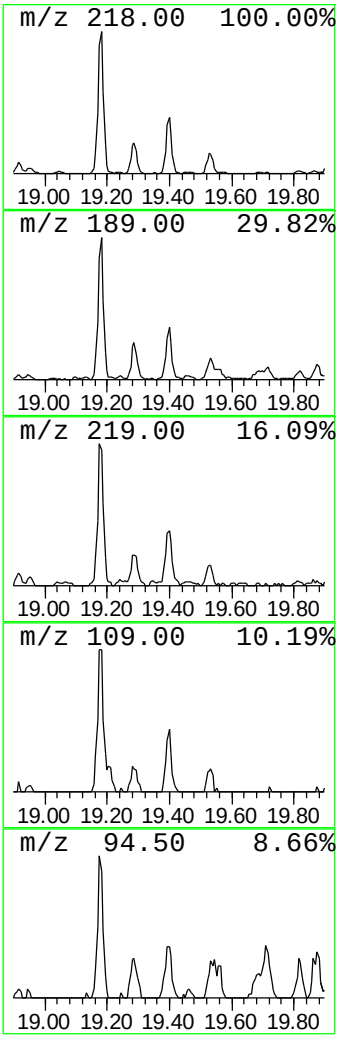
Peak Number 25 Benzo[kl]xanthene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.40	2.52 ng/ul	186825	Chrysene-d12	20.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[kl]xanthene	218	C16H10O	000200-23-7	97
2	Benzo(b)naphtho(1,2-d)furan	218	C16H10O	000205-39-0	97
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	97
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	96
5	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	93





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Misc :
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Instrument : BNA_N
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Quant Title : SVOA CALIBRATION

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

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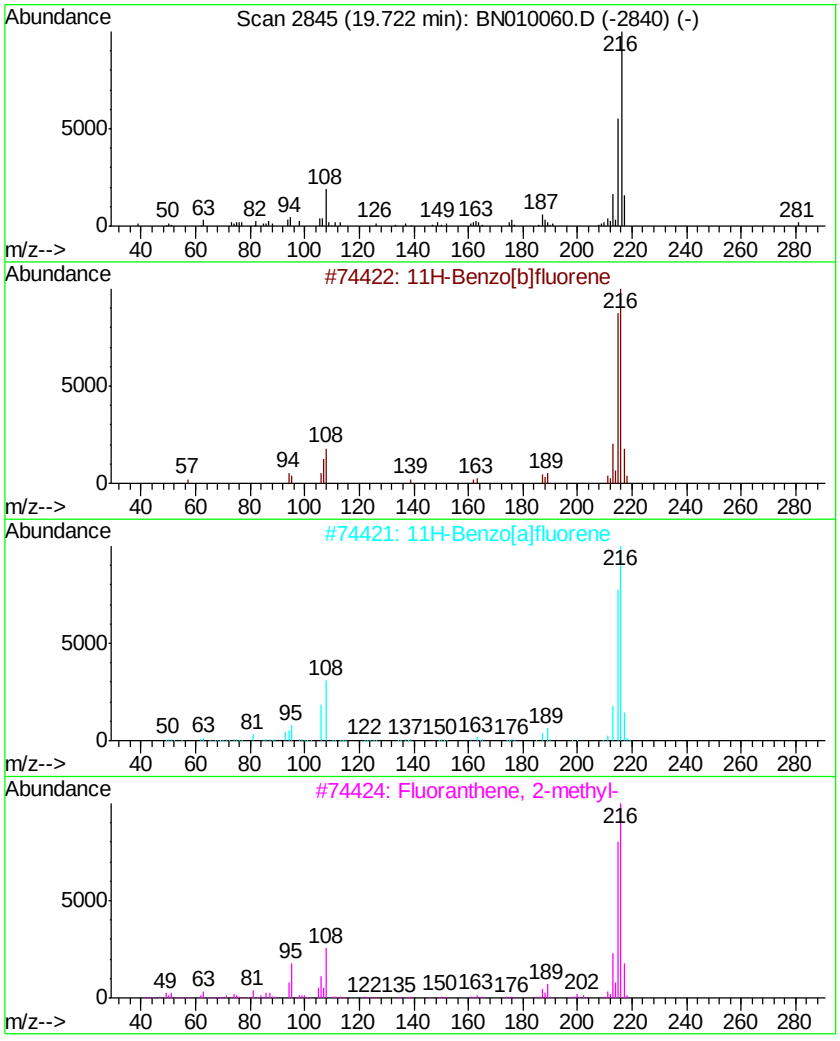
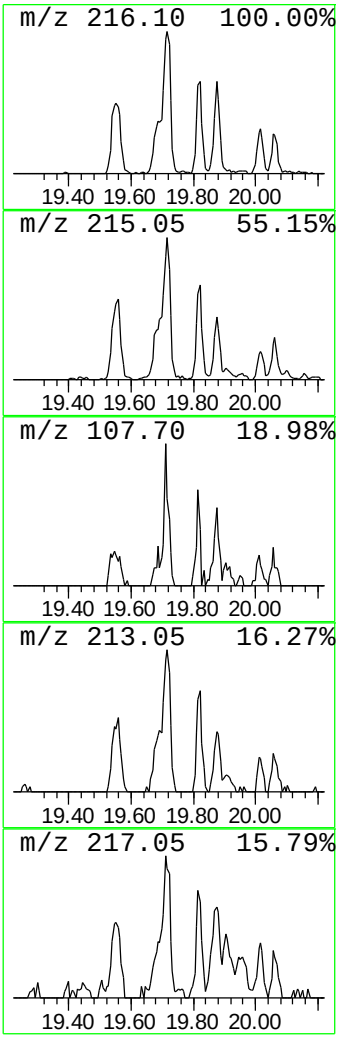
Peak Number 27 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.72	3.09 ng/ul	228510	Chrysene-d12	20.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	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	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	86





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Misc :
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Instrument : BNA_N
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Quant Title : SVOA CALIBRATION

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

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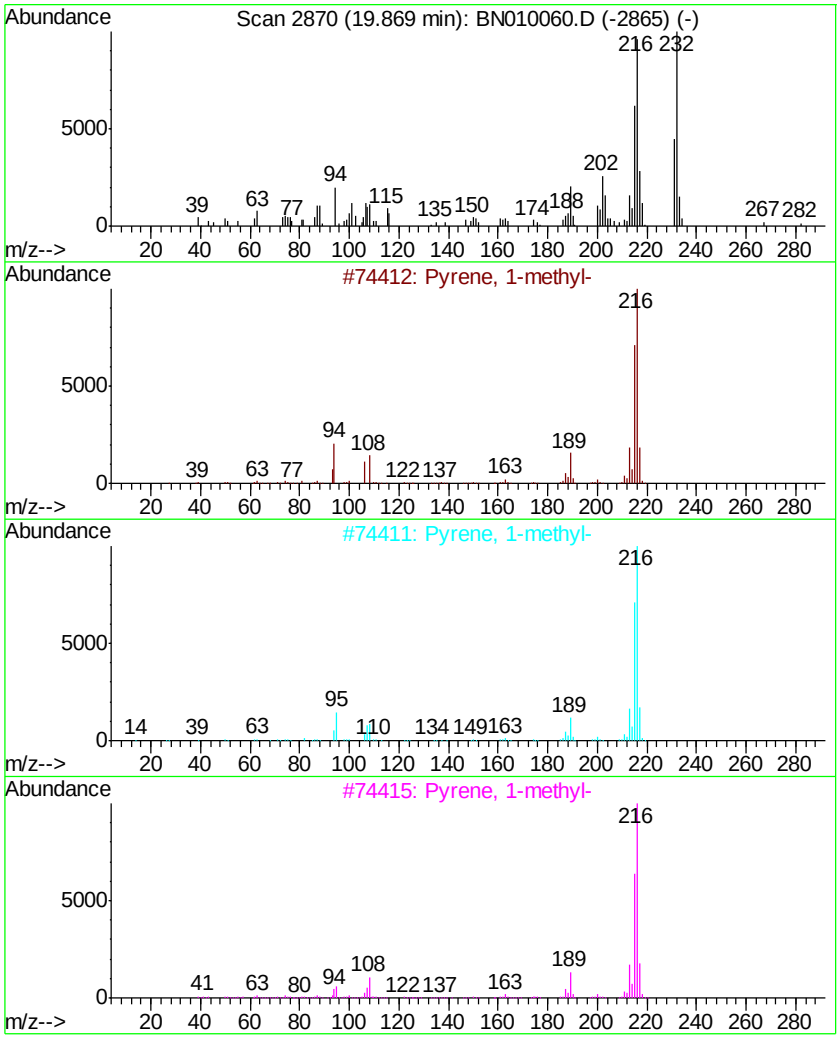
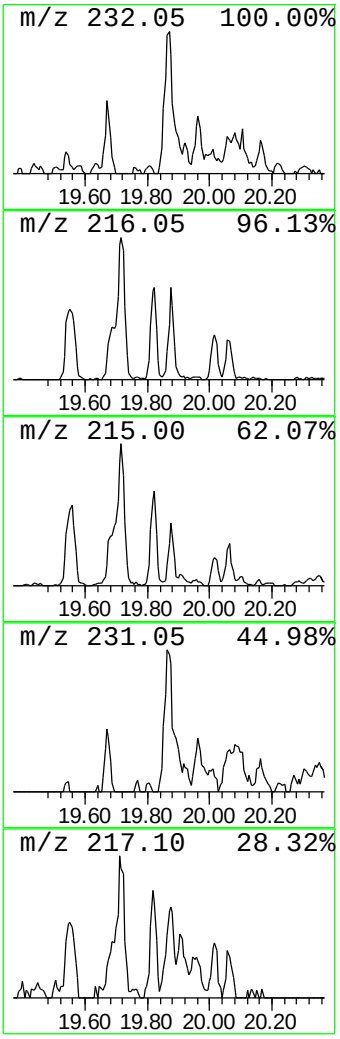
Peak Number 28 Pyrene, 1-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.87	2.61 ng/ul	193301	Chrysene-d12	20.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83





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Misc :
ALS Vial : 5 Sample Multiplier: 1

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ClientSampleId : DBD20DL

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Quant Title : SVOA CALIBRATION

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

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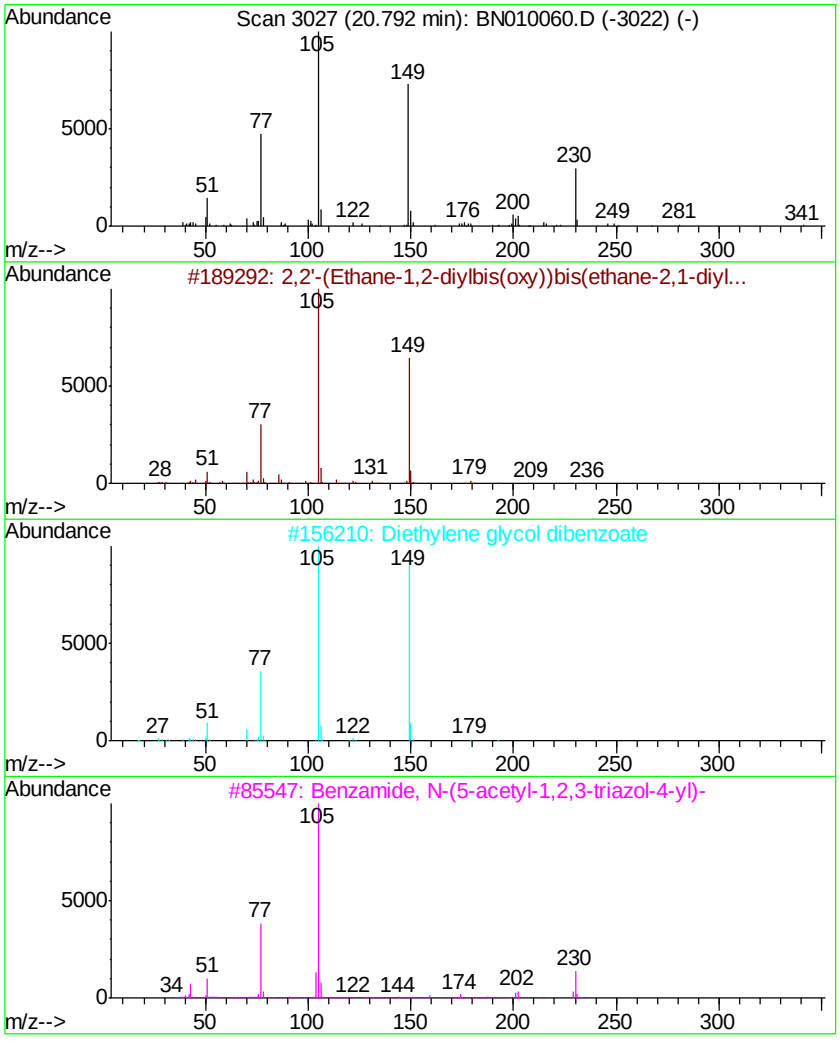
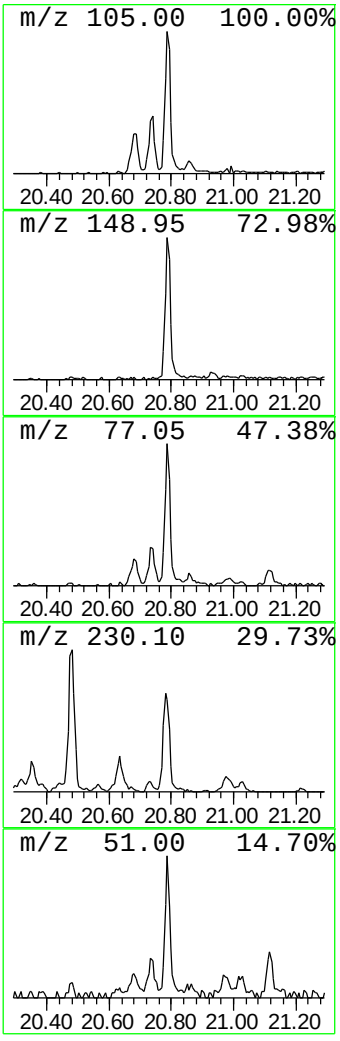
Peak Number 29 2,2'-(Ethane-1,2-diylbis(ox... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.79	3.22 ng/ul	238261	Chrysene-d12	20.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2'-(Ethane-1,2-diylbis(oxy))bi...	358	C20H22O6	1000366-99-4	53
2	Diethylene glycol dibenzoate	314	C18H18O5	000120-55-8	53
3	Benzamide, N-(5-acetyl-1,2,3-tri...	230	C11H10N4O2	129959-33-7	49
4	Benzamide, N-(5-methyl-3-isoxazo...	202	C11H10N2O2	013053-85-5	25
5	4'-Chlorobenzanilide	231	C13H10ClNO	002866-82-2	22





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030320\
Data File : BN010060.D
Acq On : 03 Mar 2020 14:03
Operator : CG/JU
Sample : L1507-22DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBD20DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

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

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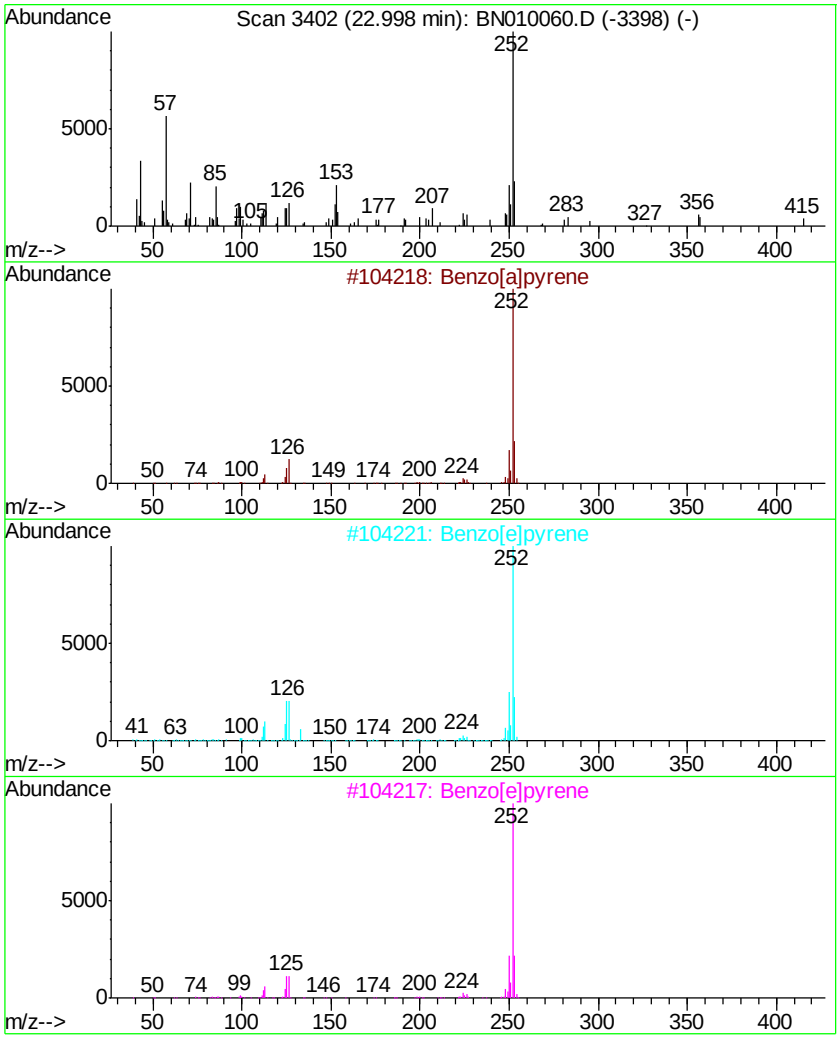
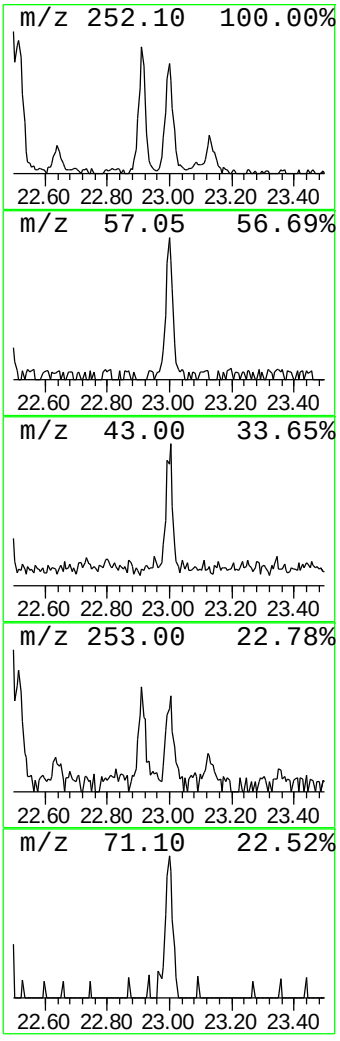
Peak Number 30 unknown-02 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.00	2.21 ng/ul	115794	Perylene-d12	23.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	49
2	Benzo[e]pyrene	252	C20H12	000192-97-2	46
3	Benzo[e]pyrene	252	C20H12	000192-97-2	43
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	43
5	Pendimethalin	281	C13H19N3O4	040487-42-1	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN030320\
Data File : BN010060.D
Acq On : 03 Mar 2020 14:03
Operator : CG/JU
Sample : L1507-22DL 30X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBD20DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.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
Naphthalene, 1,6-...	13.16	3.4	ng/ul	119874	3	14.00	703963	20.0
Naphthalene, 2,7-...	13.32	4.2	ng/ul	147740	3	14.00	703963	20.0
Naphthalene, 1,7-...	13.38	2.6	ng/ul	90409	3	14.00	703963	20.0
1-Isopropenylnaph...	14.32	2.2	ng/ul	77519	3	14.00	703963	20.0
Naphthalene, 1-(2...	15.19	3.0	ng/ul	107195	3	14.00	703963	20.0
[1,1'-Biphenyl]-4...	15.37	7.1	ng/ul	248709	3	14.00	703963	20.0
9H-Fluoren-9-ol	15.52	8.2	ng/ul	358103	4	16.76	872949	20.0
9H-Fluorene, 3-me...	16.08	5.1	ng/ul	220857	4	16.76	872949	20.0
Pentafluorobenzal...	16.35	2.4	ng/ul	105984	4	16.76	872949	20.0
8-Dimethylaminona...	16.50	3.7	ng/ul	160784	4	16.76	872949	20.0
Dibenzothiophene	16.59	3.9	ng/ul	171127	4	16.76	872949	20.0
Dibenzo[a,e]cyclo...	17.29	2.8	ng/ul	120982	4	16.76	872949	20.0
Phenanthrene, 2-m...	17.64	10.2	ng/ul	447154	4	16.76	872949	20.0
Phenanthrene, 1-m...	17.69	12.5	ng/ul	545678	4	16.76	872949	20.0
Phenanthrene, 3-m...	17.77	2.2	ng/ul	97172	4	16.76	872949	20.0
4H-Cyclopenta[def...	17.83	18.9	ng/ul	826535	4	16.76	872949	20.0
Anthracene, 9-met...	17.87	3.8	ng/ul	167626	4	16.76	872949	20.0
Naphthalene, 2-ph...	18.15	6.3	ng/ul	273953	4	16.76	872949	20.0
9,10-Anthracenedione	18.20	2.8	ng/ul	122564	4	16.76	872949	20.0
Phenanthrene, 4,5...	18.40	2.8	ng/ul	121589	4	16.76	872949	20.0
Phenanthrene, 2,5...	18.57	2.6	ng/ul	113778	4	16.76	872949	20.0
unknown-01	18.64	2.3	ng/ul	101680	4	16.76	872949	20.0
Cyclopenta(def)ph...	18.72	5.5	ng/ul	241692	4	16.76	872949	20.0
Phenaleno[1,9-bc]...	19.08	2.3	ng/ul	169050	5	20.99	1480530	20.0
Benzo[kl]xanthene	19.40	2.5	ng/ul	186825	5	20.99	1480530	20.0
11H-Benzo[b]fluorene	19.72	3.1	ng/ul	228510	5	20.99	1480530	20.0
Pyrene, 1-methyl-	19.87	2.6	ng/ul	193301	5	20.99	1480530	20.0
2,2'-(Ethane-1,2-...	20.79	3.2	ng/ul	238261	5	20.99	1480530	20.0
unknown-02	23.00	2.2	ng/ul	115794	6	23.09	1049400	20.0