LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052219\
Data File : BM020510.D
Acq On : 23 May 2019 10:30
Operator : JU/SJ
Sample : K2927-03DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4294DL

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-BM051619MA.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.846	651	656	665	rVB	89593	157792	5.75%	0.506%
2	7.016	680	685	695	rBV	72106	126280	4.61%	0.405%
3	7.204	712	717	724	rVB	102831	168000	6.13%	0.538%
4	7.669	791	796	806	rVB	169440	279373	10.19%	0.895%
5	8.387	912	918	927	rBV	89325	162159	5.91%	0.520%
6	8.845	990	996	1004	rBV	85328	147977	5.40%	0.474%
7	9.557	1112	1117	1127	rVB2	71346	119519	4.36%	0.383%
8	10.092	1202	1208	1221	rBV	109500	193615	7.06%	0.620%
9	10.463	1265	1271	1277	rBV	225997	361507	13.18%	1.158%
10	10.622	1292	1298	1311	rBV2	39959	82487	3.01%	0.264%
11	13.645	1807	1812	1817	rBV2	30116	49266	1.80%	0.158%
12	13.698	1817	1821	1824	rVV	18483	25985	0.95%	0.083%
13	13.745	1824	1829	1833	rVV	221820	304799	11.12%	0.976%
14	13.792	1833	1837	1844	rVV	90126	121053	4.41%	0.388%
15	13.886	1846	1853	1856	rVV3	15890	23147	0.84%	0.074%
16	14.022	1869	1876	1880	rBV	238996	395962	14.44%	1.269%
17	14.051	1880	1881	1893	rVV	128847	156340	5.70%	0.501%
18	14.333	1920	1929	1935	rBV2	330797	490473	17.89%	1.571%
19	14.392	1935	1939	1947	rVB	35934	56593	2.06%	0.181%
20	14.569	1964	1969	1977	rBV2	27723	51189	1.87%	0.164%
21	14.733	1990	1997	2004	rBV2	55288	85823	3.13%	0.275%
22	14.804	2004	2009	2015	rVB	21673	28130	1.03%	0.090%
23	14.945	2027	2033	2038	rBV4	19298	30872	1.13%	0.099%
24	15.121	2054	2063	2066	rBV4	12991	26535	0.97%	0.085%
25	15.327	2092	2098	2103	rVV	337722	470395	17.15%	1.507%
26	15.386	2103	2108	2119	rVV	92950	163203	5.95%	0.523%
27	15.474	2119	2123	2127	rVV2	48442	69814	2.55%	0.224%
28	15.592	2140	2143	2147	rVV4	12994	21554	0.79%	0.069%
29	15.674	2153	2157	2163	rVV	45010	70355	2.57%	0.225%
30	15.821	2174	2182	2191	rVV2	42352	90983	3.32%	0.291%
31	16.051	2213	2221	2230	rVB7	23235	51617	1.88%	0.165%
32	16.386	2270	2278	2283	rBV3	31223	63734	2.32%	0.204%
33	16.433	2283	2286	2292	rVB3	18413	25003	0.91%	0.080%
34	16.615	2309	2317	2320	rBV3	29325	52523	1.92%	0.168%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052219\
Data File : BM020510.D
Acq On : 23 May 2019 10:30
Operator : JU/SJ
Sample : K2927-03DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4294DL

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-BM051619MA.M
Title : SVOA CALIBRATION

35	16.657	2320	2324	2327	rVV4	22021	24610	0.90%	0.079%
36	16.745	2334	2339	2345	rVB	71462	105414	3.84%	0.338%
37	16.810	2345	2350	2356	rVV3	32311	59030	2.15%	0.189%
38	16.904	2362	2366	2375	rVB	43322	66900	2.44%	0.214%
39	17.086	2390	2397	2400	rBV	442040	628288	22.91%	2.013%
40	17.127	2400	2404	2409	rVV	1124456	1567401	57.16%	5.022%
41	17.186	2409	2414	2417	rVV	365371	521899	19.03%	1.672%
42	17.221	2417	2420	2425	rVB	248344	337472	12.31%	1.081%
43	17.504	2457	2468	2475	rBV3	52469	127568	4.65%	0.409%
44	17.604	2481	2485	2492	rBV2	32937	49452	1.80%	0.158%
45	17.674	2492	2497	2505	rVB6	32954	68281	2.49%	0.219%
46	17.804	2516	2519	2524	rVB2	11979	19898	0.73%	0.064%
47	17.886	2529	2533	2537	rVB4	18438	21675	0.79%	0.069%
48	17.962	2539	2546	2550	rBV	182834	283886	10.35%	0.909%
49	18.009	2550	2554	2559	rVV	226767	310638	11.33%	0.995%
50	18.092	2563	2568	2572	rVB	80864	107104	3.91%	0.343%
51	18.157	2572	2579	2583	rBV2	253323	474387	17.30%	1.520%
52	18.192	2583	2585	2592	rVB	143276	167144	6.10%	0.535%
53	18.268	2593	2598	2603	rBV5	16653	31812	1.16%	0.102%
54	18.357	2609	2613	2618	rVB4	15355	20171	0.74%	0.065%
55	18.409	2618	2622	2626	rBV6	13324	23941	0.87%	0.077%
56	18.462	2626	2631	2636	rVV	118234	165479	6.03%	0.530%
57	18.515	2636	2640	2647	rVB	87757	118702	4.33%	0.380%
58	18.680	2664	2668	2670	rBV4	15081	20434	0.75%	0.065%
59	18.709	2670	2673	2678	rVV3	39611	52348	1.91%	0.168%
60	18.762	2678	2682	2685	rVB	39026	48016	1.75%	0.154%
61	18.798	2685	2688	2692	rVB2	39566	48308	1.76%	0.155%
62	18.880	2697	2702	2706	rBV	128315	207901	7.58%	0.666%
63	18.974	2716	2718	2722	rVB	56034	61405	2.24%	0.197%
64	19.033	2722	2728	2739	rVB2	135928	257489	9.39%	0.825%
65	19.151	2741	2748	2754	rBV	2003072	2742078	100.00%	8.785%
66	19.215	2755	2759	2761	rBV2	29081	36286	1.32%	0.116%
67	19.251	2761	2765	2770	rVB2	54657	72465	2.64%	0.232%
68	19.304	2770	2774	2778	rBV	127552	157175	5.73%	0.504%
69	19.356	2778	2783	2785	rBV3	27781	46544	1.70%	0.149%
70	19.398	2787	2790	2793	rVB	24494	31659	1.15%	0.101%
71	19.486	2800	2805	2807	rBV2	697046	971768	35.44%	3.113%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052219\
Data File : BM020510.D
Acq On : 23 May 2019 10:30
Operator : JU/SJ
Sample : K2927-03DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4294DL

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-BM051619MA.M
Title : SVOA CALIBRATION

72	19.521	2807	2811	2818	rVV	1769213	2354902	85.88%	7.544%
73	19.586	2818	2822	2828	rVB2	122063	176419	6.43%	0.565%
74	19.698	2835	2841	2846	rBV	111430	169321	6.17%	0.542%
75	19.756	2846	2851	2859	rVB3	53566	111074	4.05%	0.356%
76	19.839	2859	2865	2873	rBV3	153764	394159	14.37%	1.263%
77	19.909	2874	2877	2878	rBV2	26798	28313	1.03%	0.091%
78	19.980	2883	2889	2890	rBV2	129935	203097	7.41%	0.651%
79	20.015	2891	2895	2900	rVB	240799	357509	13.04%	1.145%
80	20.115	2908	2912	2915	rBV	117250	152282	5.55%	0.488%
81	20.174	2915	2922	2926	rVB2	179926	326612	11.91%	1.046%
82	20.309	2942	2945	2949	rBV	118206	156454	5.71%	0.501%
83	20.356	2950	2953	2957	rVB	130187	160589	5.86%	0.514%
84	20.768	3018	3023	3029	rBV	239368	337158	12.30%	1.080%
85	20.927	3046	3050	3054	rBV2	137297	203353	7.42%	0.651%
86	20.968	3054	3057	3061	rVV2	202259	300897	10.97%	0.964%
87	21.009	3061	3064	3069	rVV2	150426	250080	9.12%	0.801%
88	21.068	3070	3074	3079	rVB	244687	337443	12.31%	1.081%
89	21.274	3104	3109	3114	rBV2	1248456	2448966	89.31%	7.846%
90	21.321	3114	3117	3127	rVB	931137	1245542	45.42%	3.990%
91	21.492	3143	3146	3151	rBV2	123215	197717	7.21%	0.633%
92	21.833	3201	3204	3208	rVB	188301	237393	8.66%	0.761%
93	22.027	3235	3237	3241	rBV	105043	115594	4.22%	0.370%
94	22.862	3373	3379	3383	rBV	789031	1761378	64.24%	5.643%
95	23.027	3404	3407	3412	rVB	186245	278417	10.15%	0.892%
96	23.344	3456	3461	3465	rBV	374865	678974	24.76%	2.175%
97	23.392	3465	3469	3472	rVV2	318933	525717	19.17%	1.684%
98	23.439	3472	3477	3485	rVB	717813	1294937	47.22%	4.149%
99	23.533	3489	3493	3498	rBV	374799	625500	22.81%	2.004%
100	25.815	3875	3881	3892	rVB	365648	1004732	36.64%	3.219%

Sum of corrected areas: 31213614

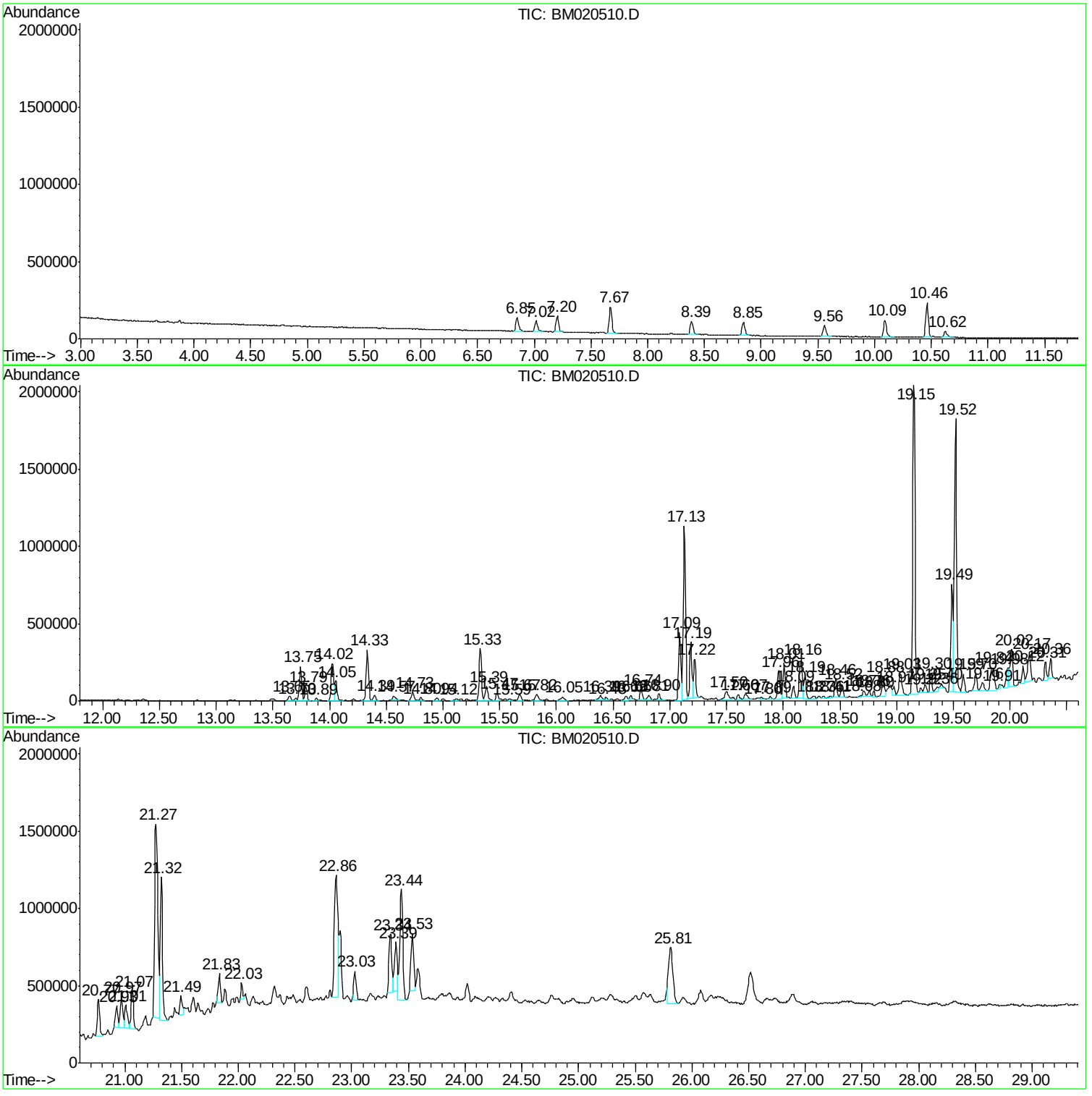
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052219\
Data File : BM020510.D
Acq On : 23 May 2019 10:30
Operator : JU/SJ
Sample : K2927-03DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4294DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052219\
Data File : BM020510.D
Acq On : 23 May 2019 10:30
Operator : JU/SJ
Sample : K2927-03DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4294DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

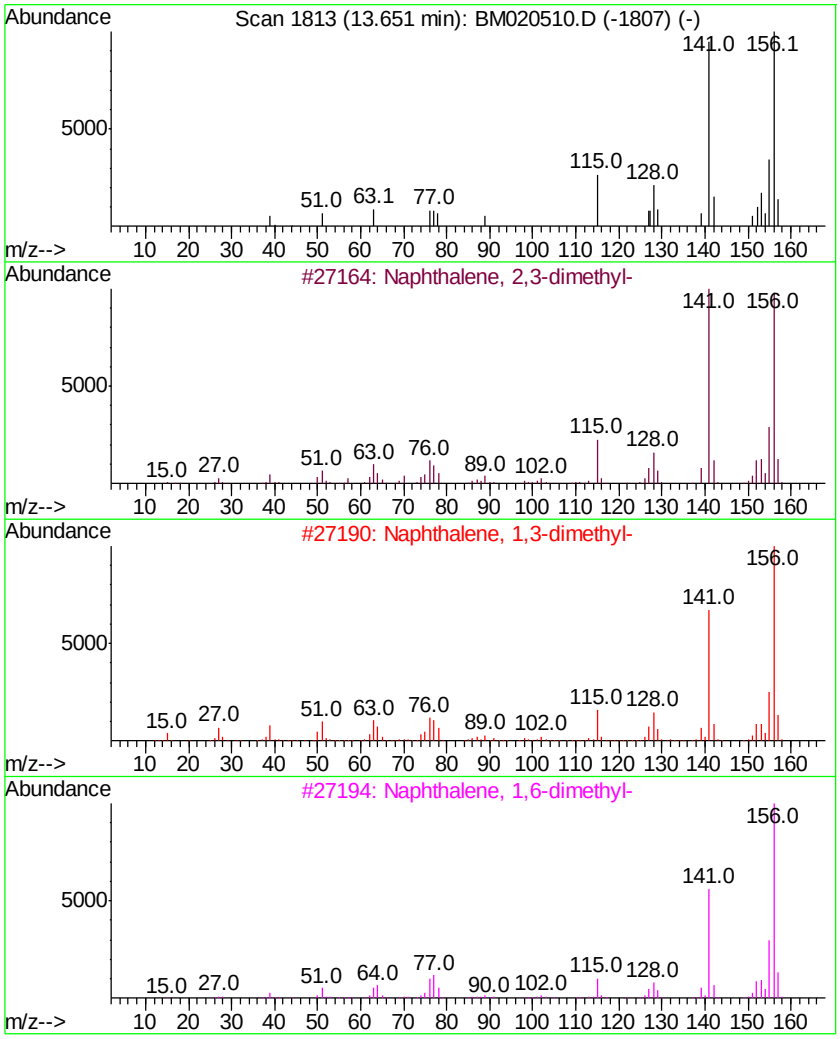
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

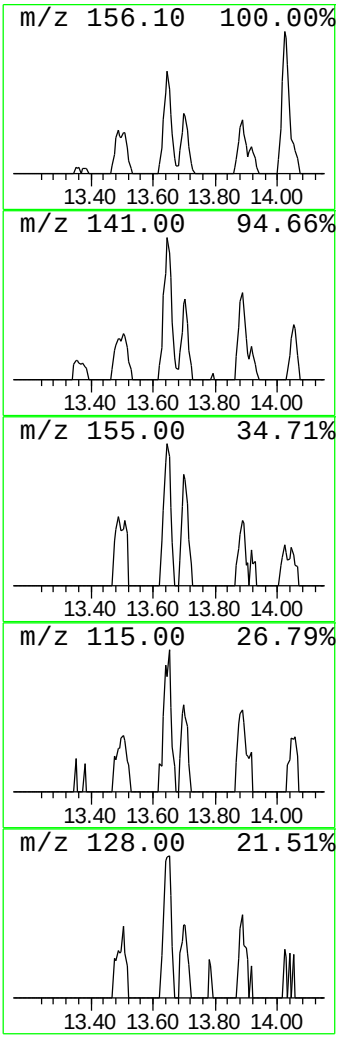
****

Peak Number 1 Naphthalene, 2,3-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	2.01 ng/ul	49266	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052219\
Data File : BM020510.D
Acq On : 23 May 2019 10:30
Operator : JU/SJ
Sample : K2927-03DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4294DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

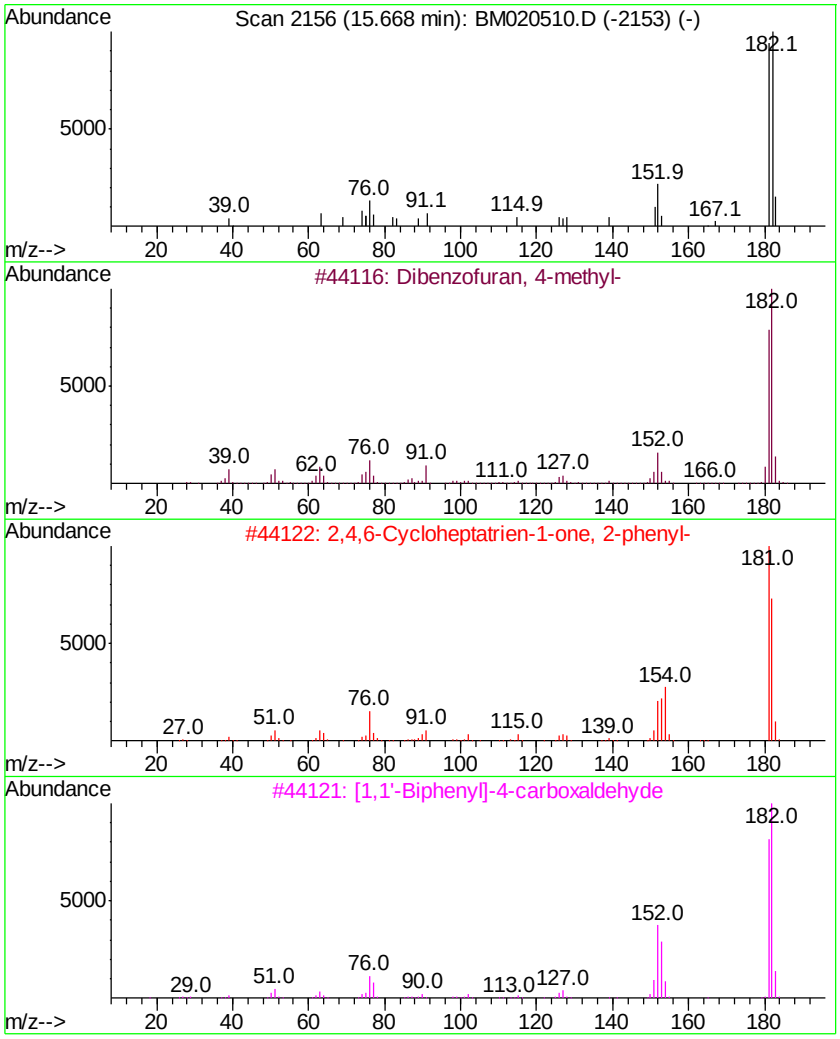
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

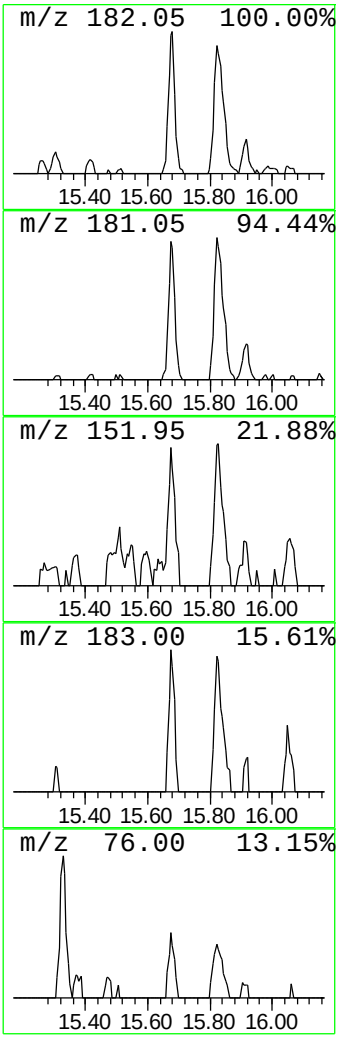
****

Peak Number 2 Dibenzofuran, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	2.87 ng/ul	70355	Acenaphthene-d10	14.33

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	91
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	80
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72
5	2,3-Dihydro-1-oxo-1H-phenalene	182	C13H10O	000518-85-4	70





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052219\
Data File : BM020510.D
Acq On : 23 May 2019 10:30
Operator : JU/SJ
Sample : K2927-03DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4294DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

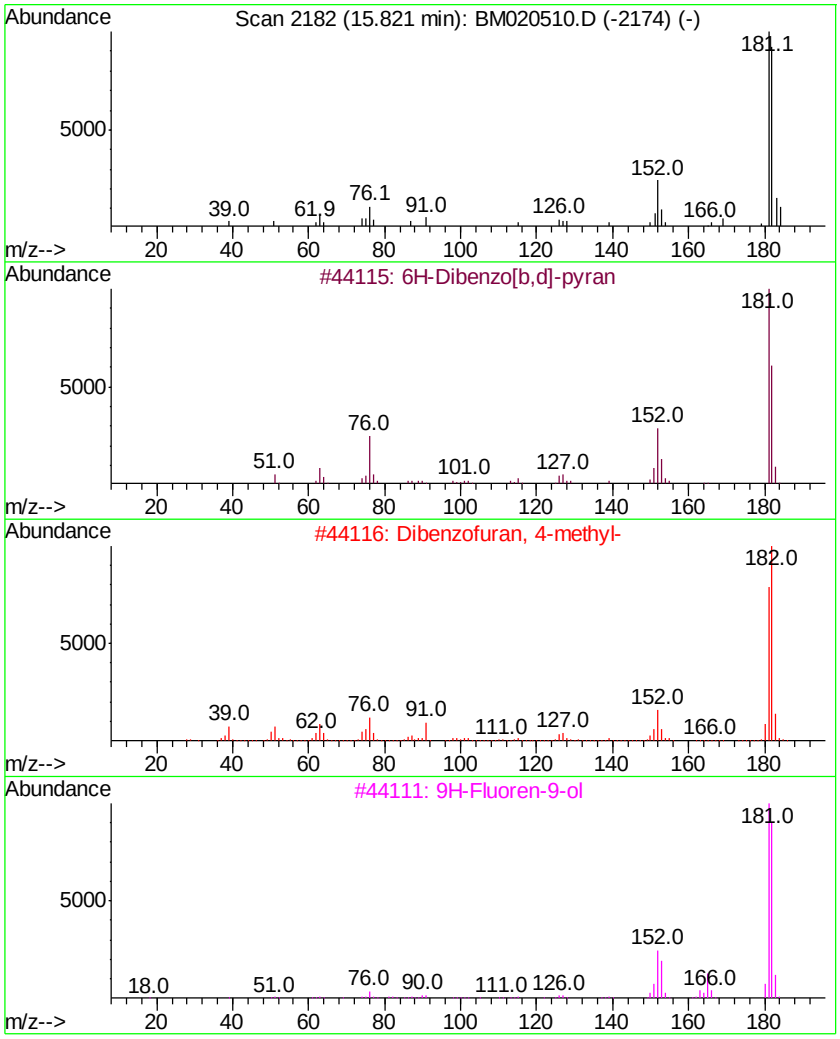
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

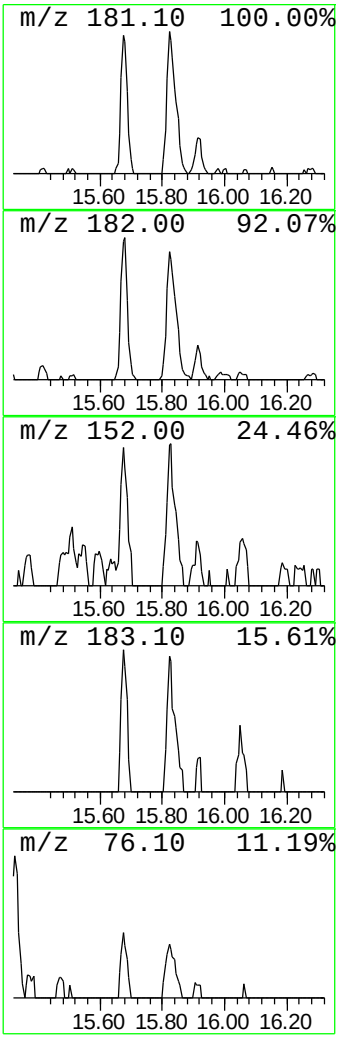
****

Peak Number 3 6H-Dibenzo[b,d]-pyran Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.82	2.90 ng/ul	90983	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	87
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	83
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052219\
Data File : BM020510.D
Acq On : 23 May 2019 10:30
Operator : JU/SJ
Sample : K2927-03DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4294DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

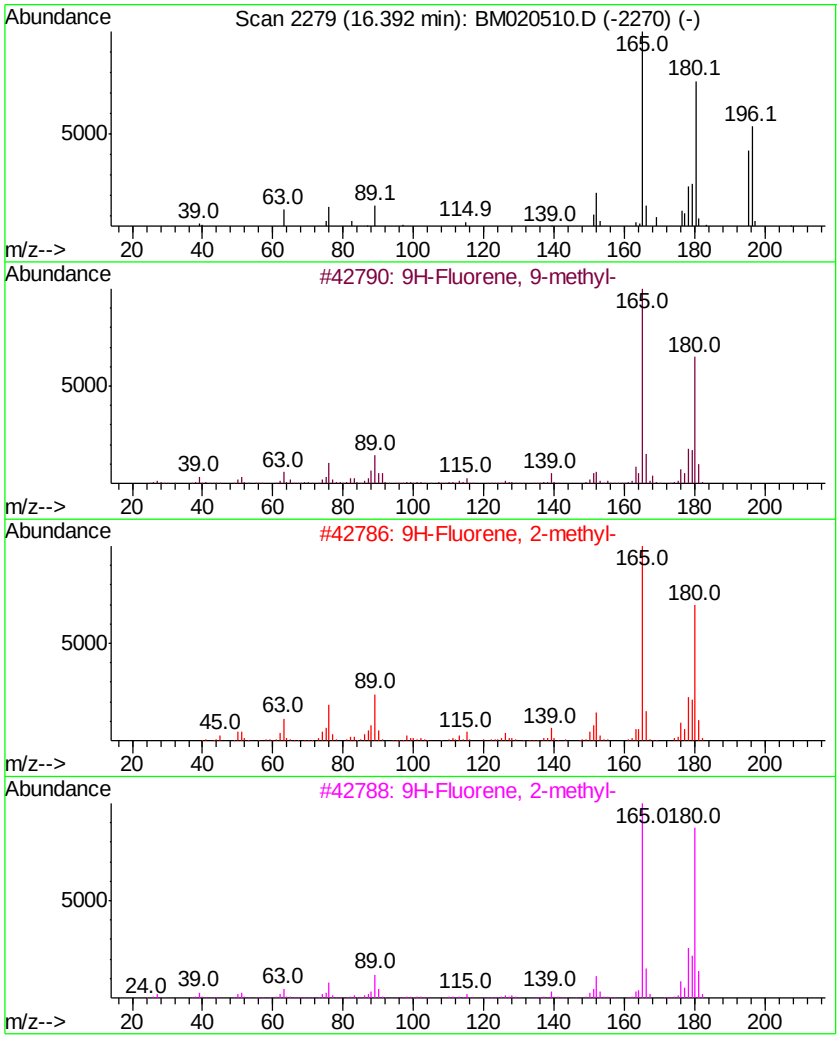
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

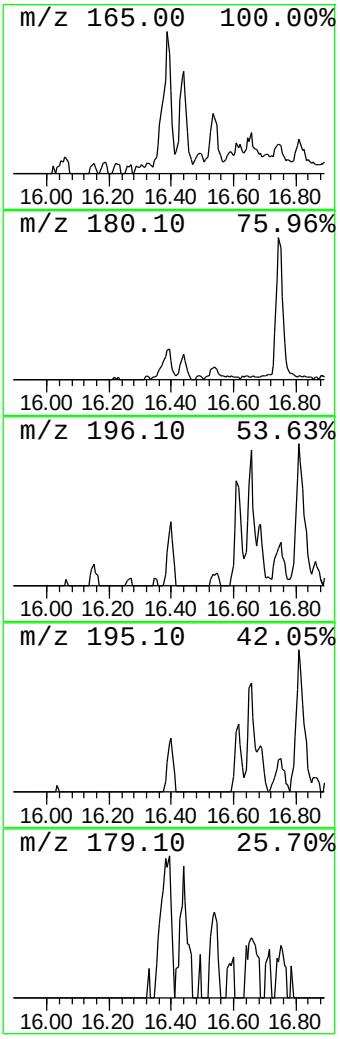
****

Peak Number 4 9H-Fluorene, 9-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.39	2.03 ng/ul	63734	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	78
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	60
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	60
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	60
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	60





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052219\
Data File : BM020510.D
Acq On : 23 May 2019 10:30
Operator : JU/SJ
Sample : K2927-03DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4294DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

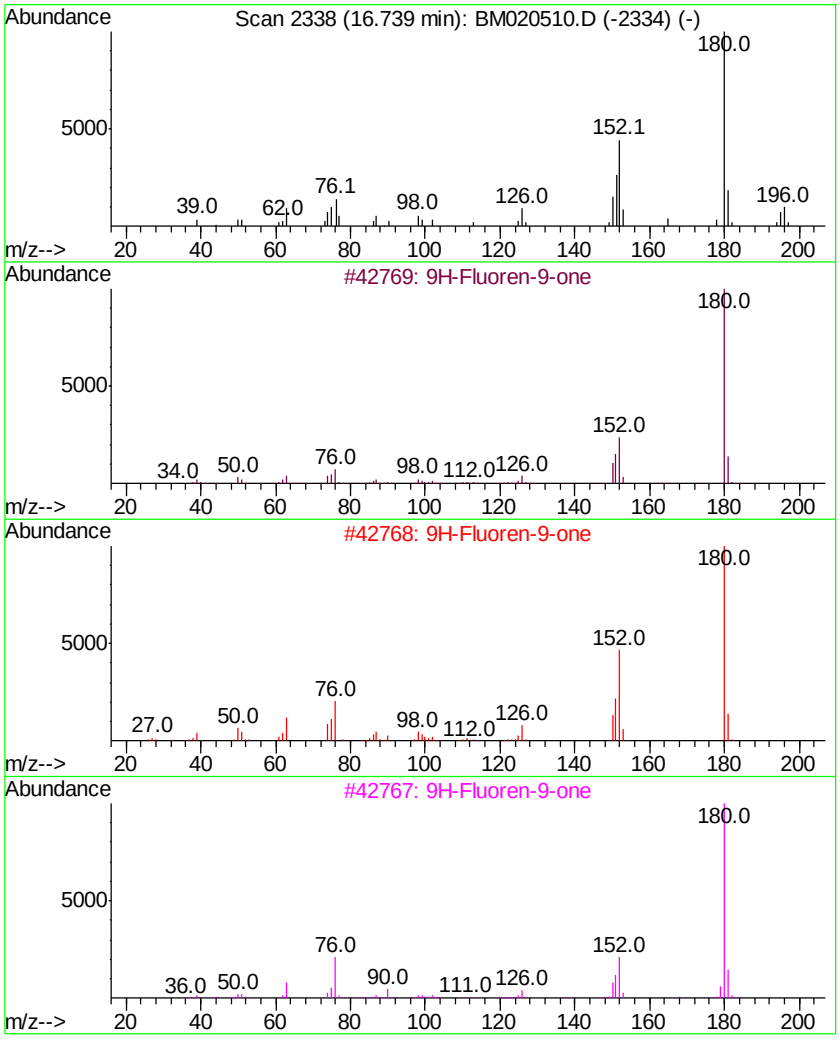
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

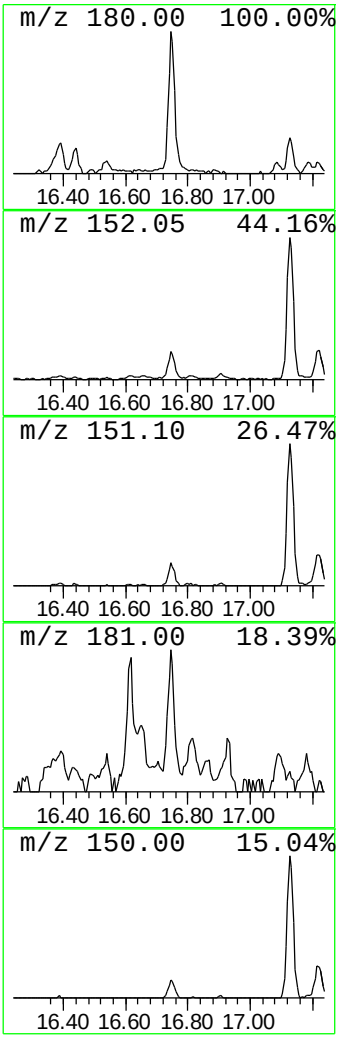
****

Peak Number 5 9H-Fluoren-9-one Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.74	3.36 ng/ul	105414	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	78
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64





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Sample : K2927-03DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

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ClientSampleId : A4294DL

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Quant Title : SVOA CALIBRATION

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

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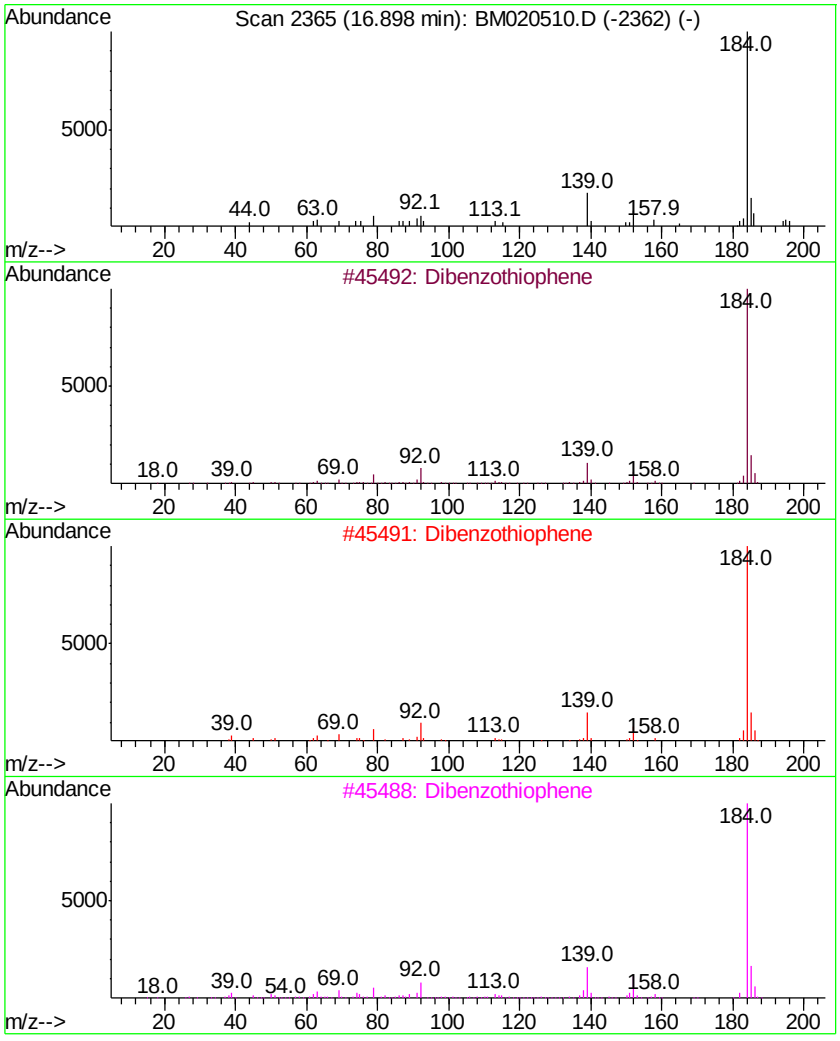
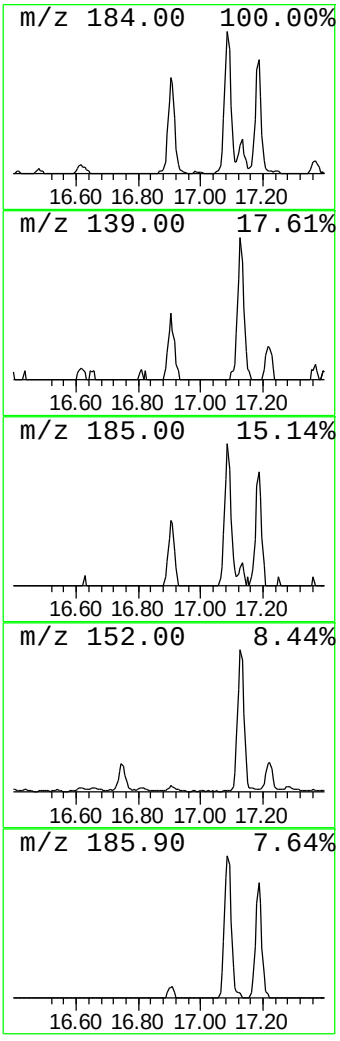
Peak Number 6 Dibenzothiophene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.90	2.13 ng/ul	66900	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	93
2	Dibenzothiophene	184	C12H8S	000132-65-0	91
3	Dibenzothiophene	184	C12H8S	000132-65-0	91
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	91
5	Dibenzothiophene	184	C12H8S	000132-65-0	90





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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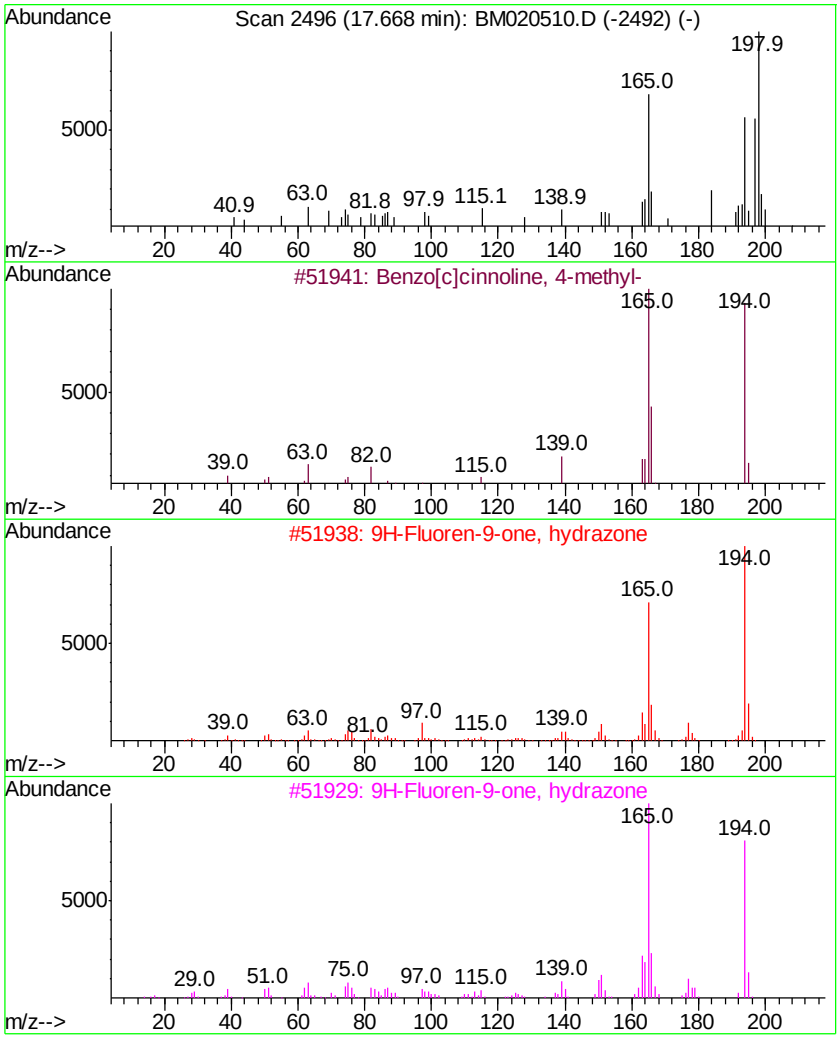
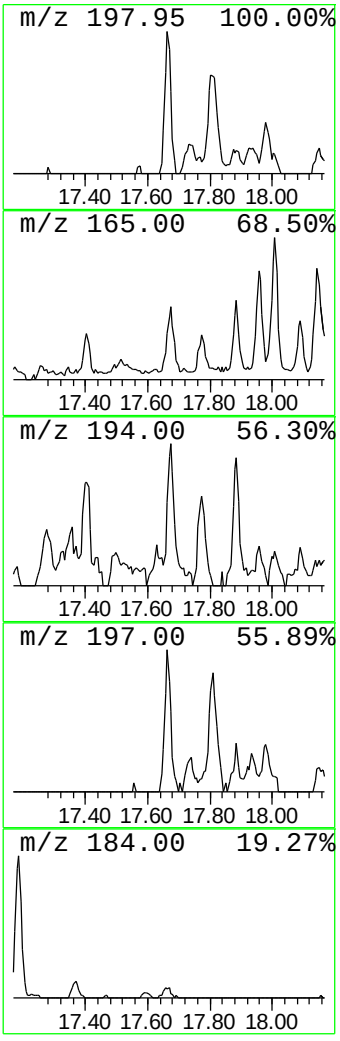
Peak Number 7 Benzo[c]cinnoline, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.67	2.17 ng/ul	68281	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]cinnoline, 4-methyl-	194	C13H10N2	019174-78-8	66
2	9H-Fluoren-9-one, hydrazone	194	C13H10N2	013629-22-6	50
3	9H-Fluoren-9-one, hydrazone	194	C13H10N2	013629-22-6	46
4	2-Fluorenecarboxaldehyde	194	C14H10O	030084-90-3	43
5	3-Phenyl-benzofuran	194	C14H10O	029909-72-6	41





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ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4294DL

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Quant Title : SVOA CALIBRATION

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

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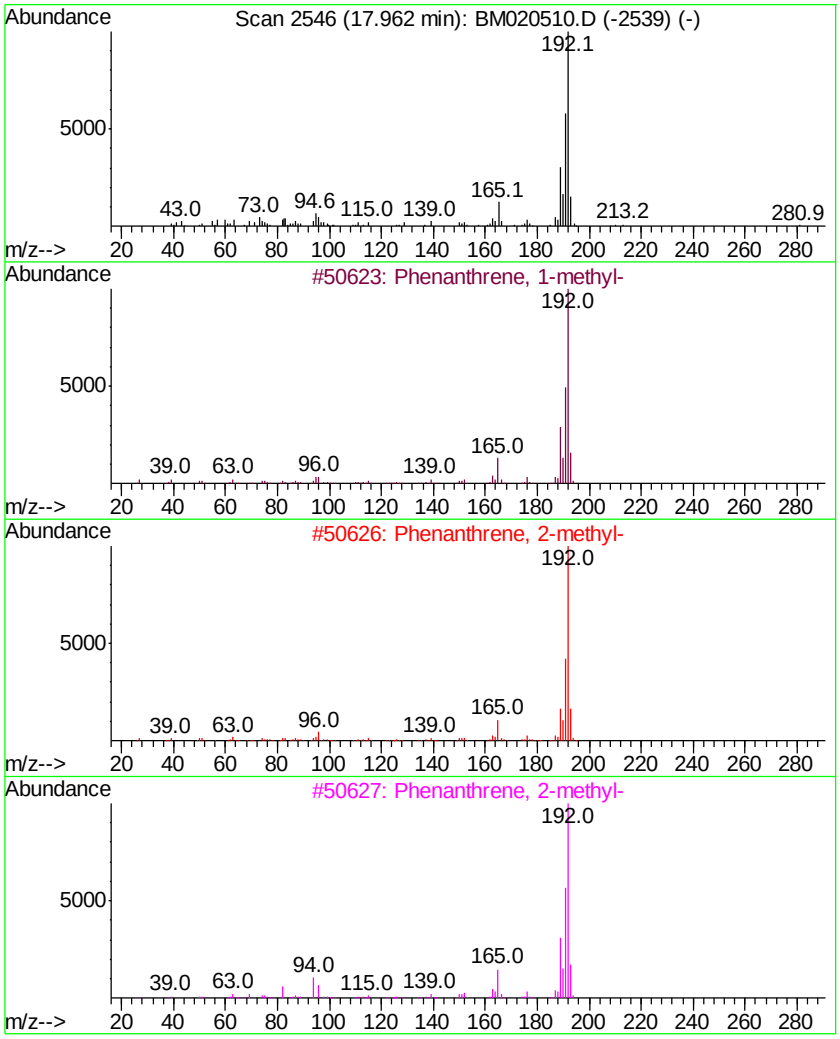
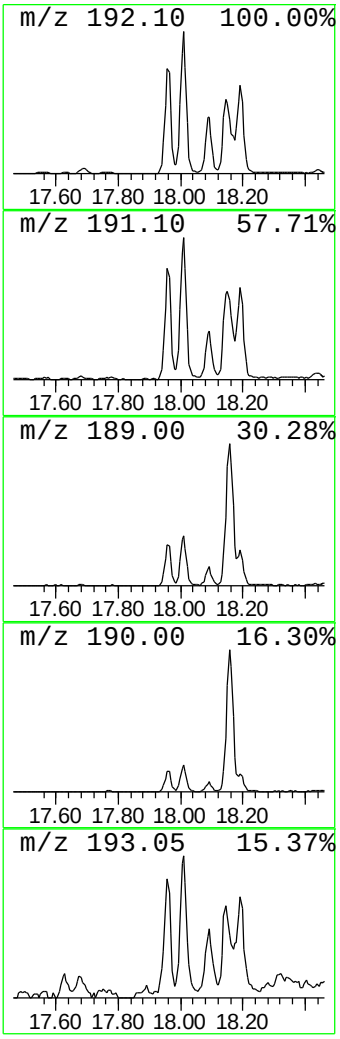
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	9.04 ng/ul	283886	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





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ClientSampleId : A4294DL

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Quant Title : SVOA CALIBRATION

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

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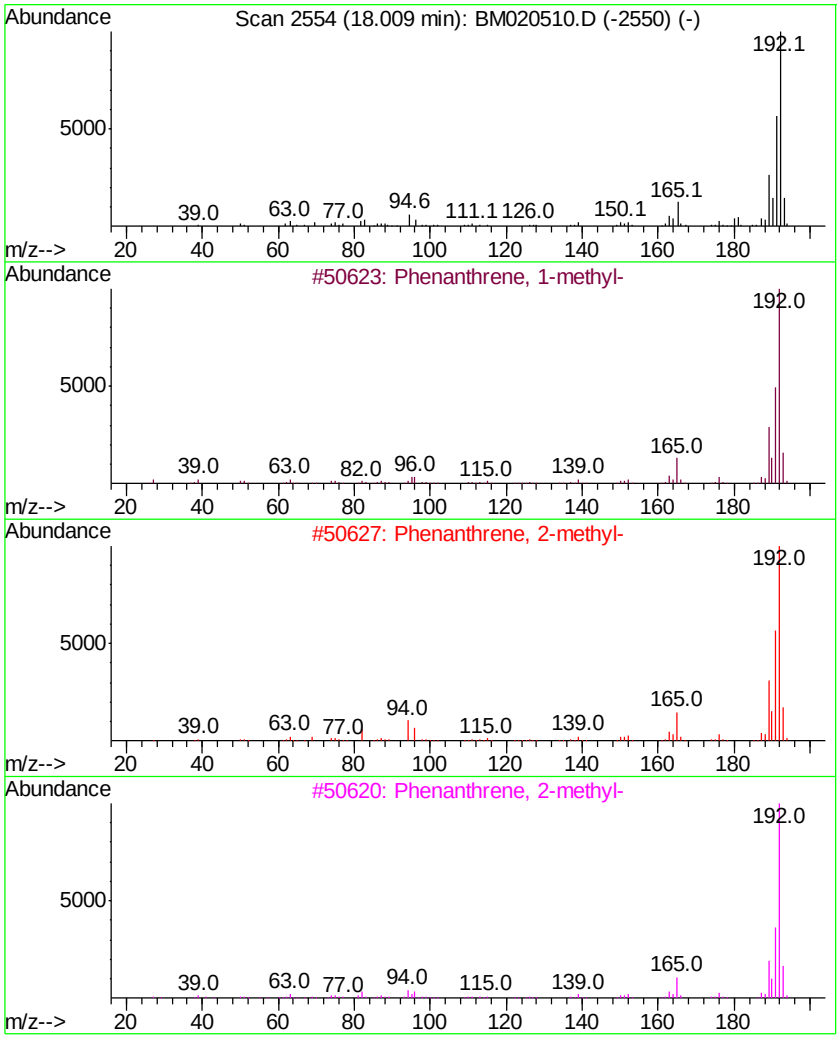
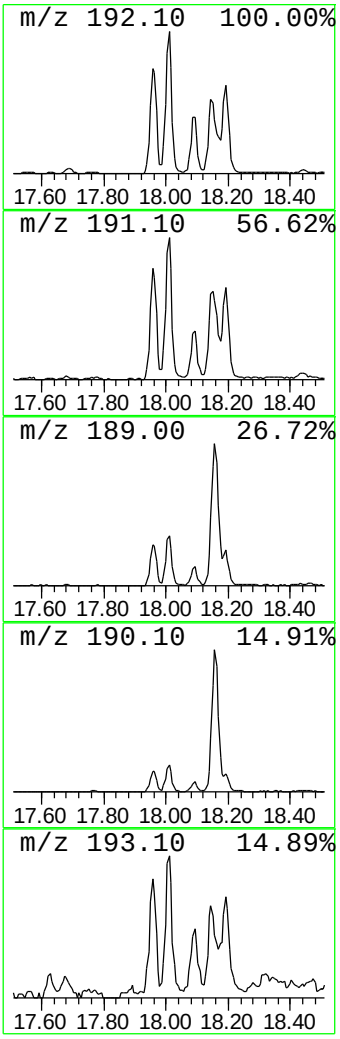
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	9.89 ng/ul	310638	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Instrument : BNA_M
ClientSampleId : A4294DL

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Quant Title : SVOA CALIBRATION

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

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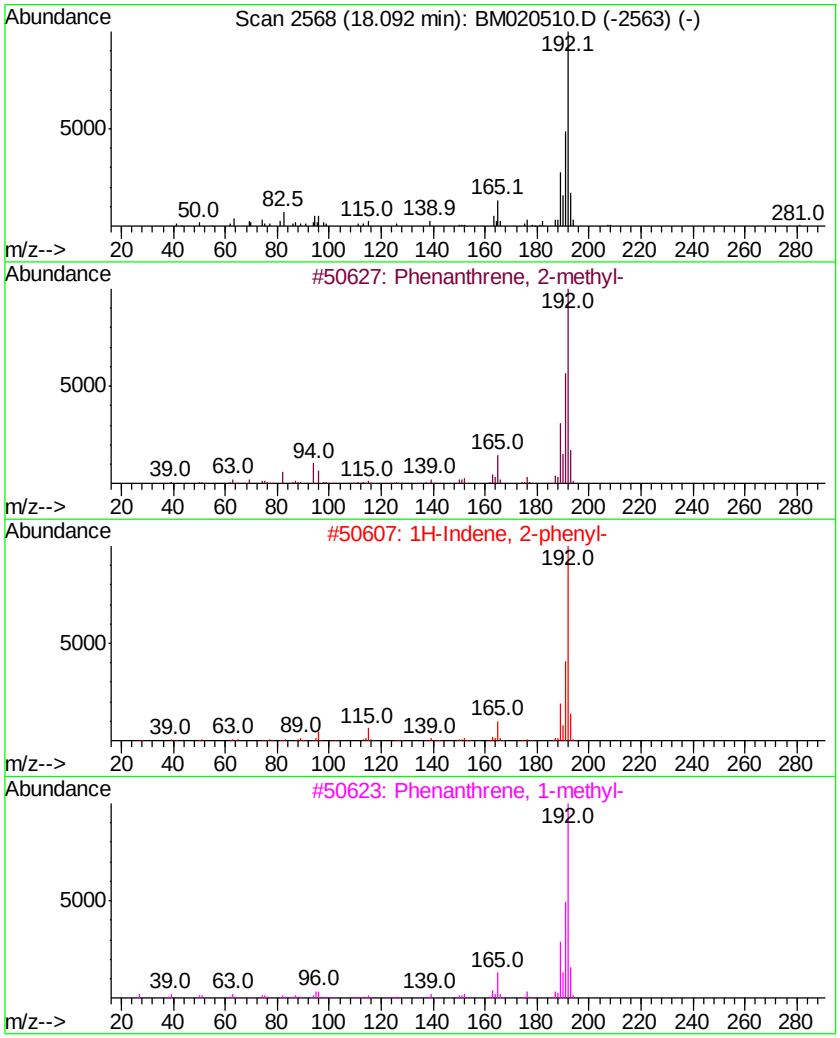
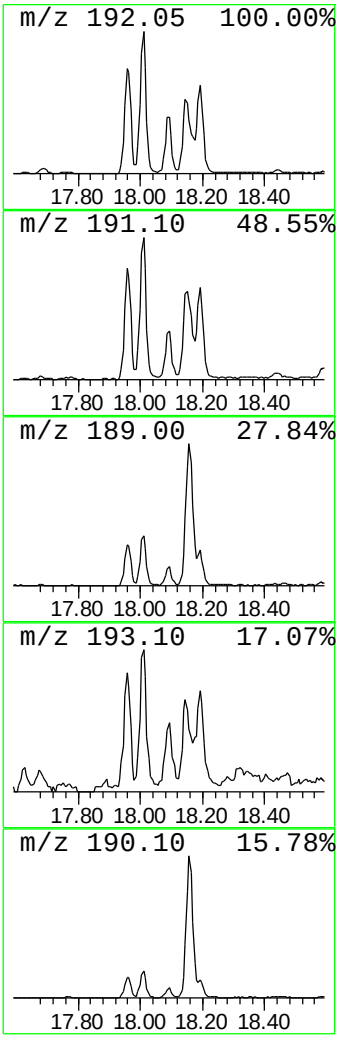
Peak Number 10 1H-Indene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	3.41 ng/ul	107104	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





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Sample : K2927-03DL 2X
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ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4294DL

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Quant Title : SVOA CALIBRATION

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

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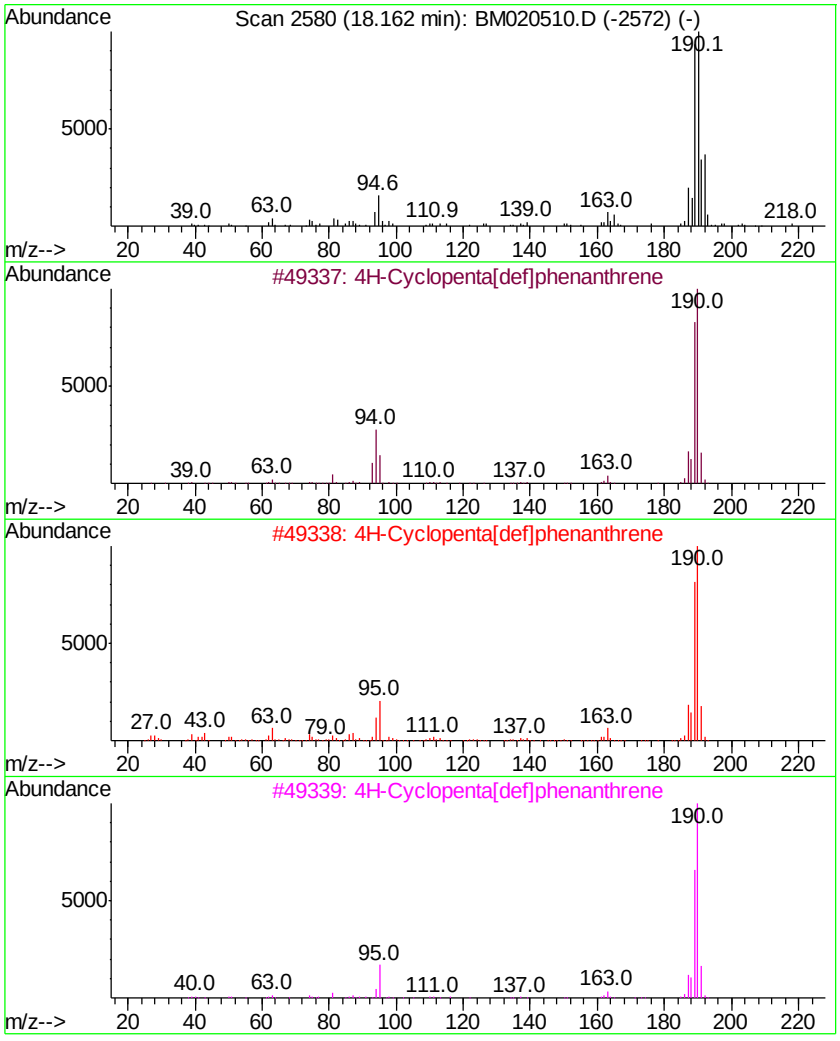
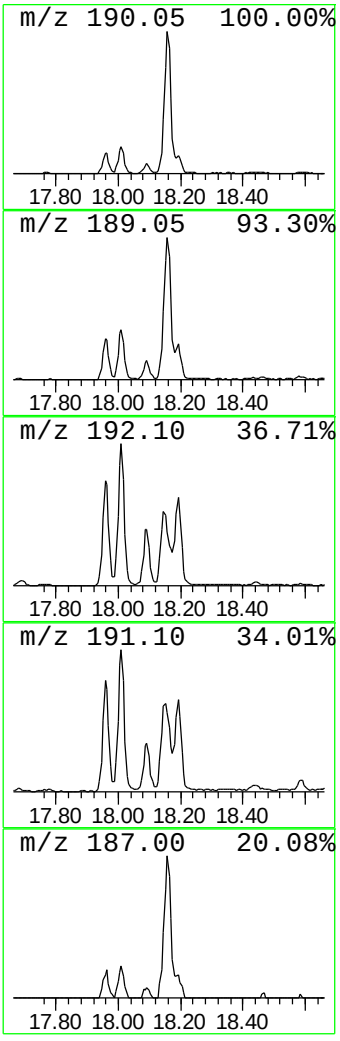
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	15.10 ng/ul	474387	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42





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Sample : K2927-03DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4294DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

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

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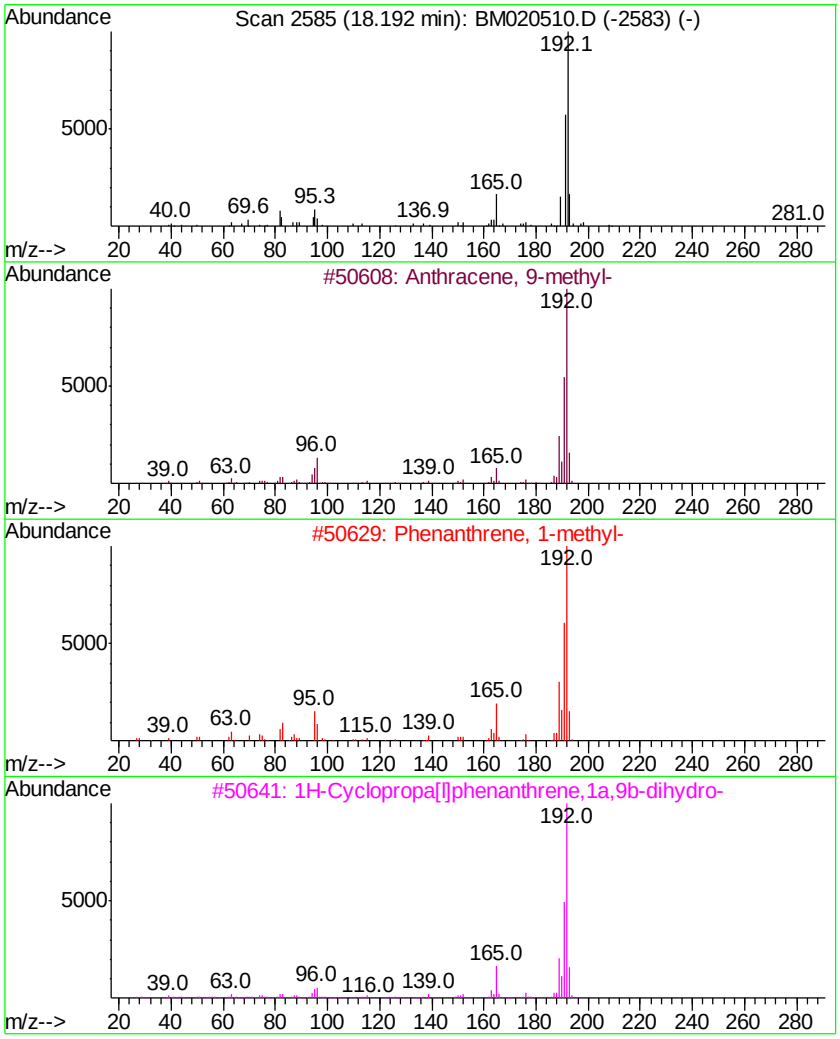
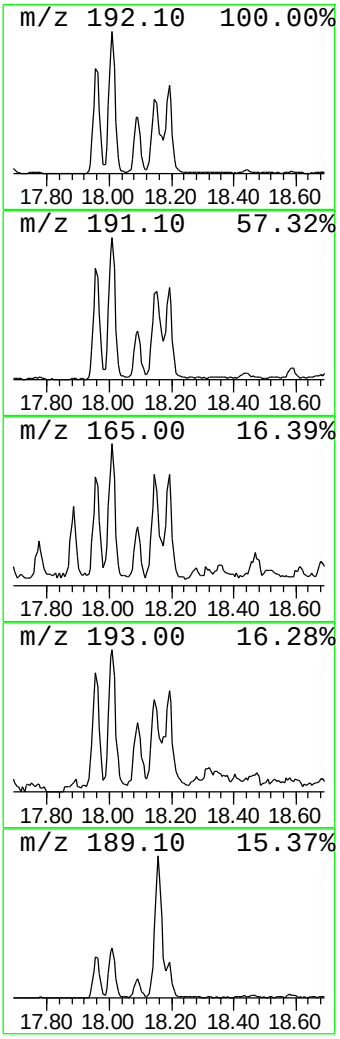
Peak Number 12 Anthracene, 9-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	5.32 ng/ul	167144	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
5	1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	87





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Sample : K2927-03DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4294DL

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Quant Title : SVOA CALIBRATION

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

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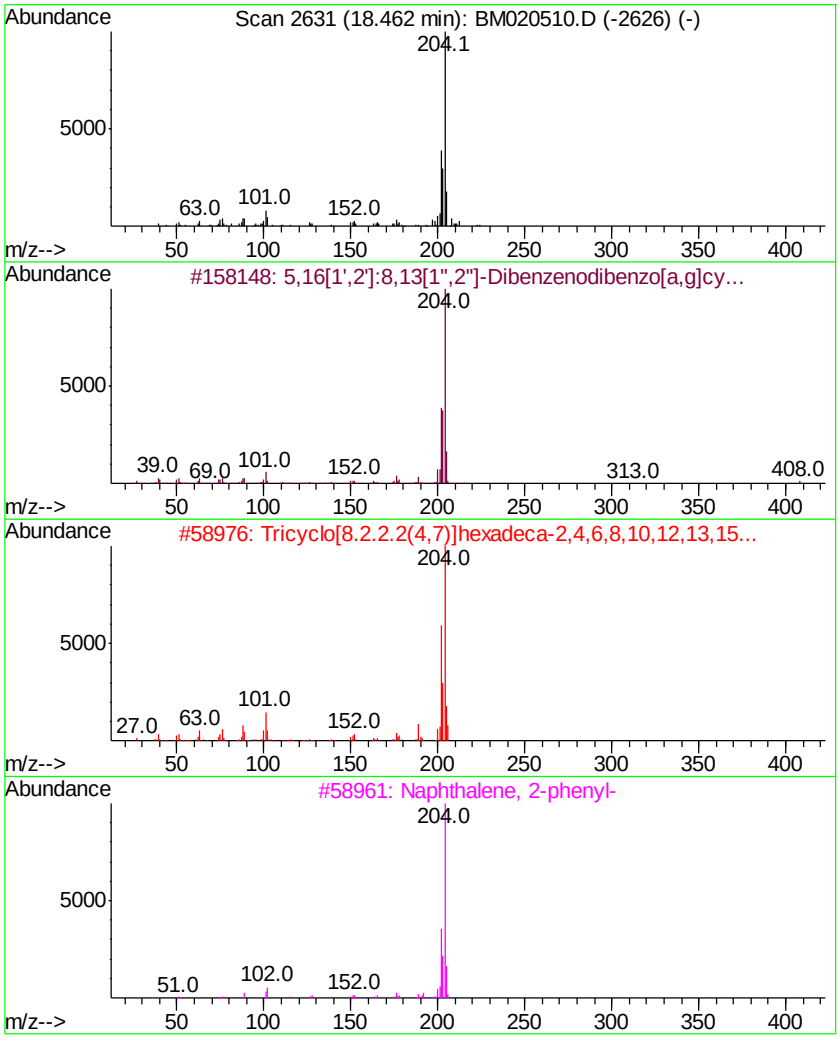
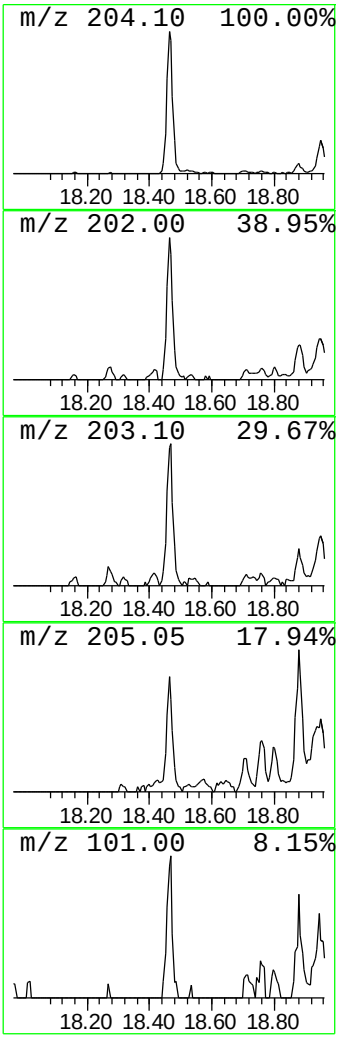
Peak Number 13 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.46	5.27 ng/ul	165479	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	2-Phenylnaphthalene	204	C16H12	035465-71-5	64
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64





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Quant Title : SVOA CALIBRATION

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

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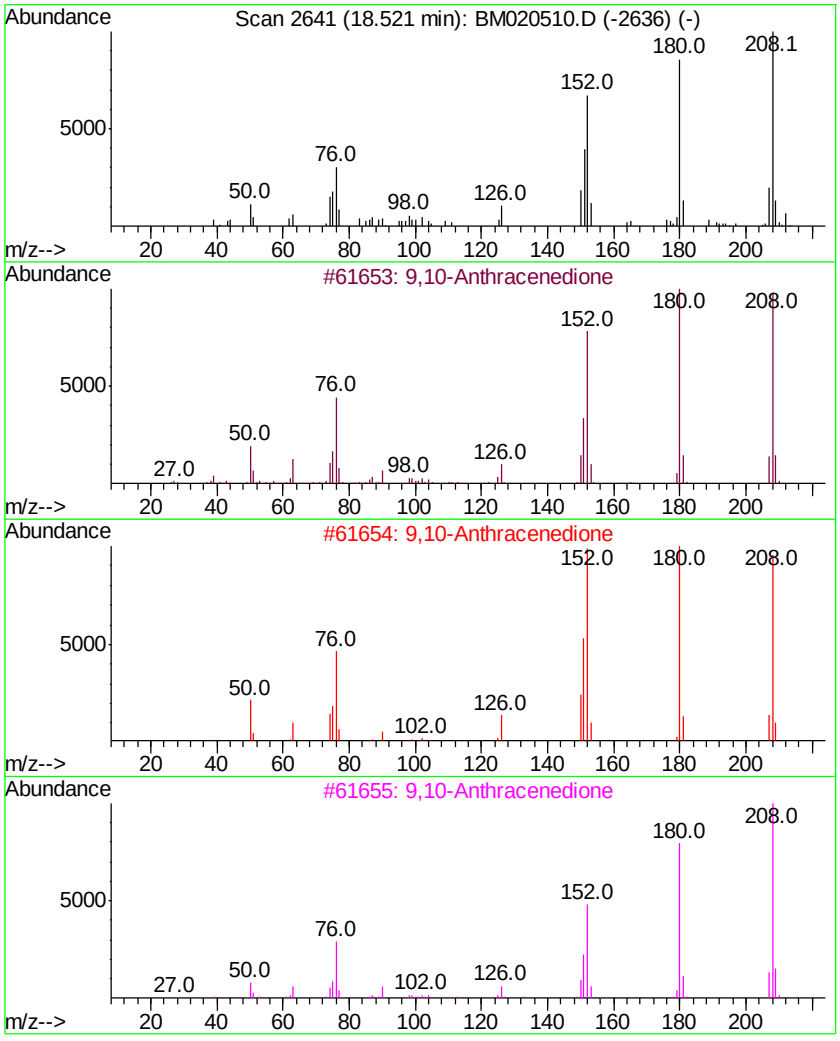
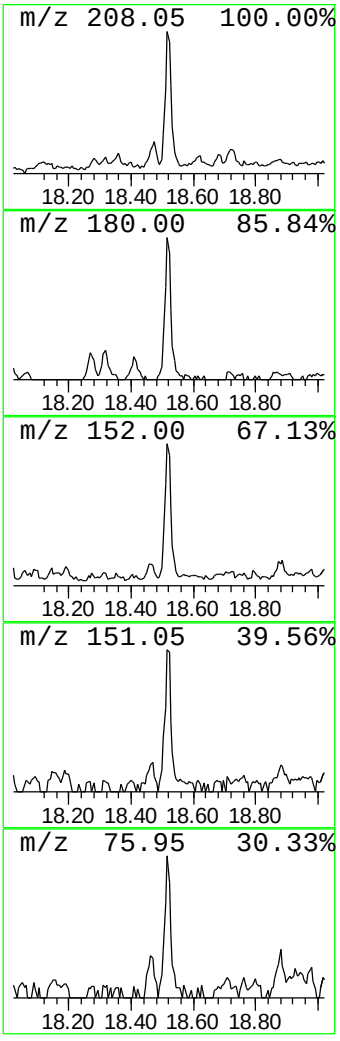
Peak Number 14 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	3.78 ng/ul	118702	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	60





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Quant Title : SVOA CALIBRATION

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

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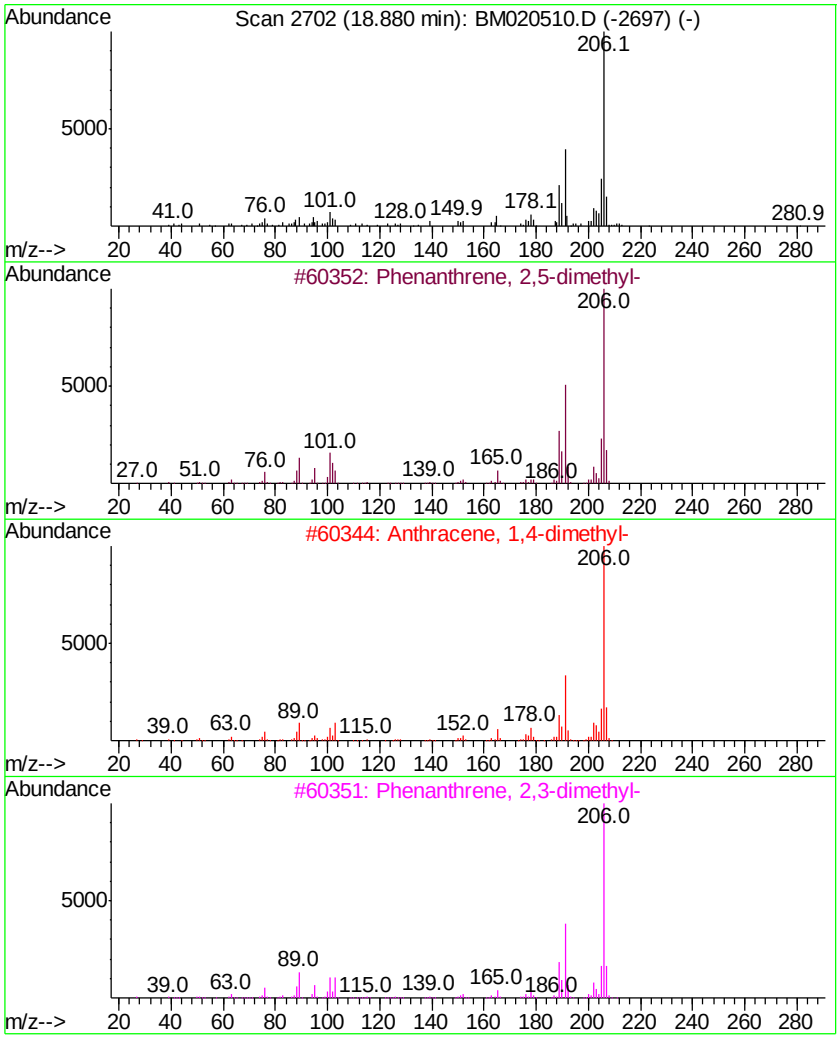
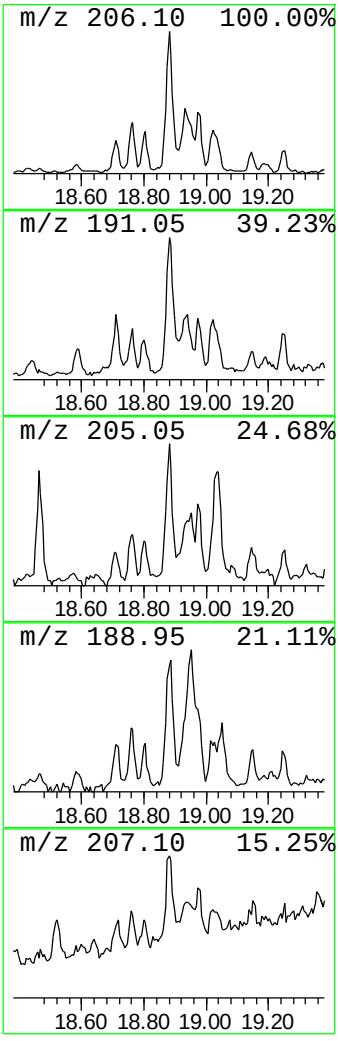
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.88	6.62 ng/ul	207901	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	86
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	83





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Quant Title : SVOA CALIBRATION

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

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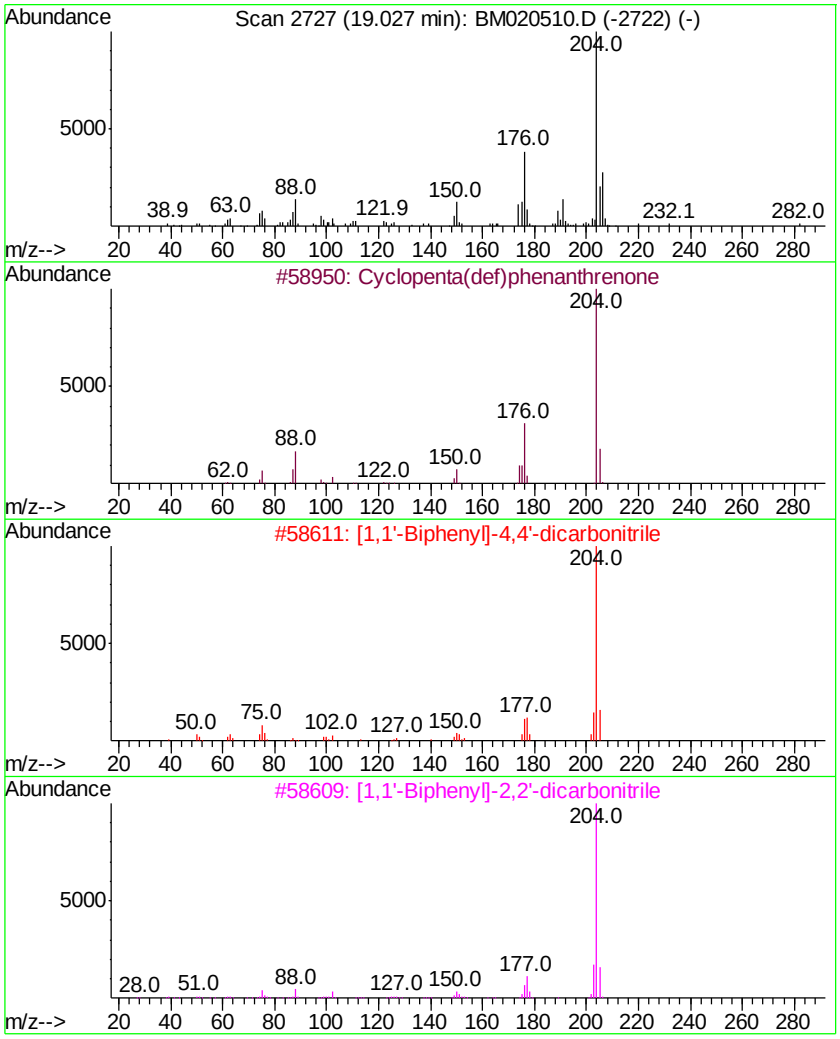
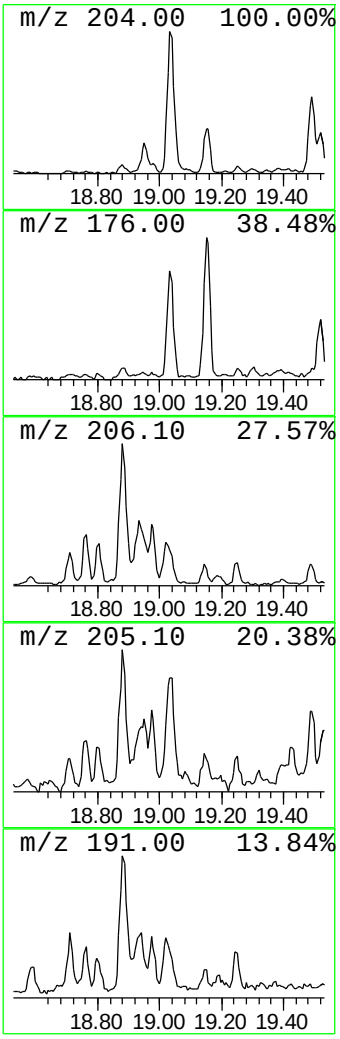
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.03	8.20 ng/ul	257489	Phenanthrene-d10	17.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	59
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	59
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	53
5	4,5,6,7-Tetrafluoro-2-methyl-1H-...	204	C8H4F4N2	081430-75-3	53





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Instrument : BNA_M
ClientSampleId : A4294DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

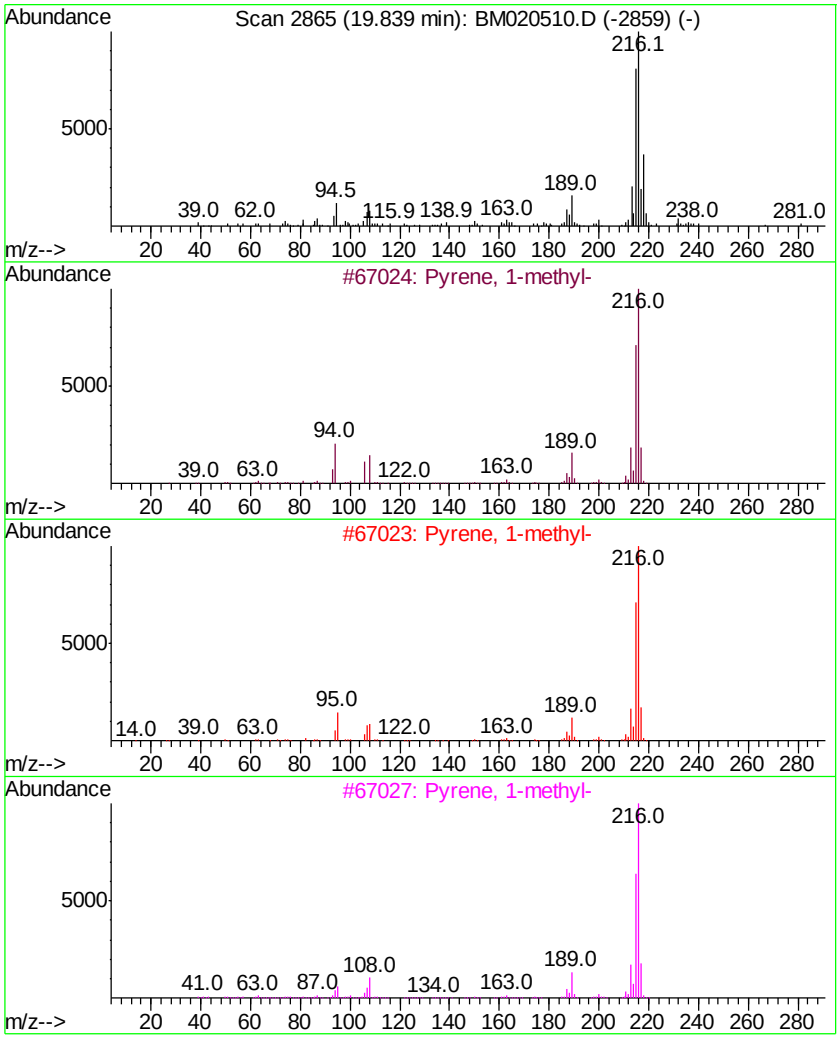
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

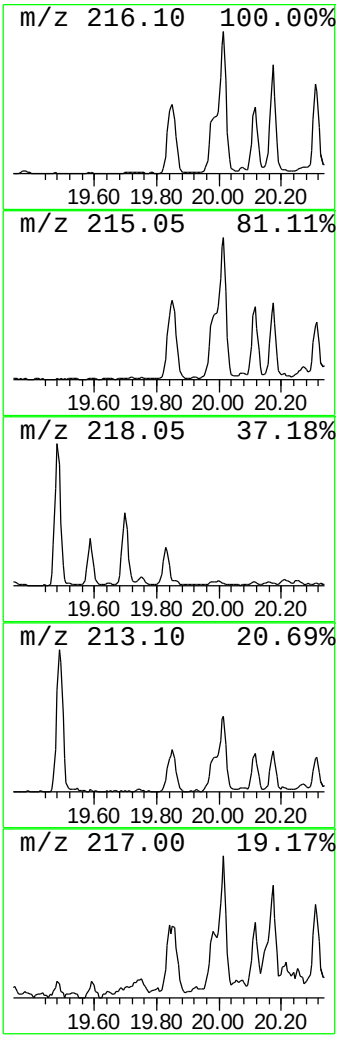
****

Peak Number 17 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.84	3.22 ng/ul	394159	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Data File : BM020510.D
Acq On : 23 May 2019 10:30
Operator : JU/SJ
Sample : K2927-03DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4294DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

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

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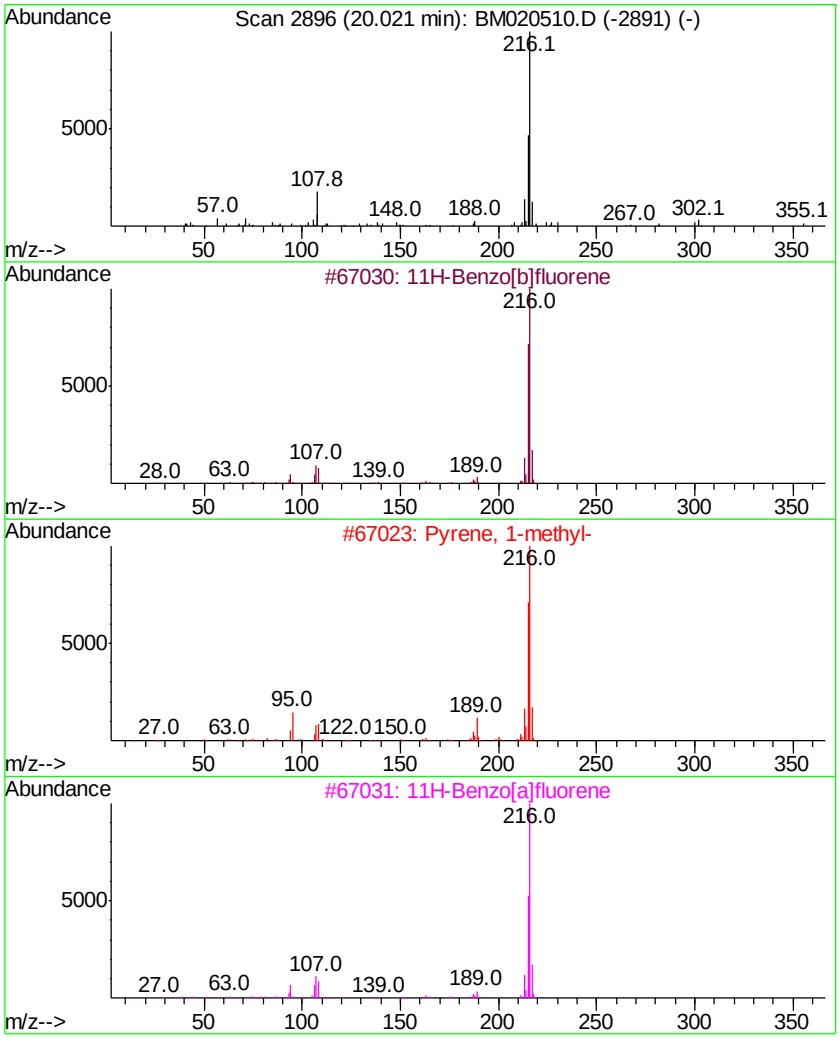
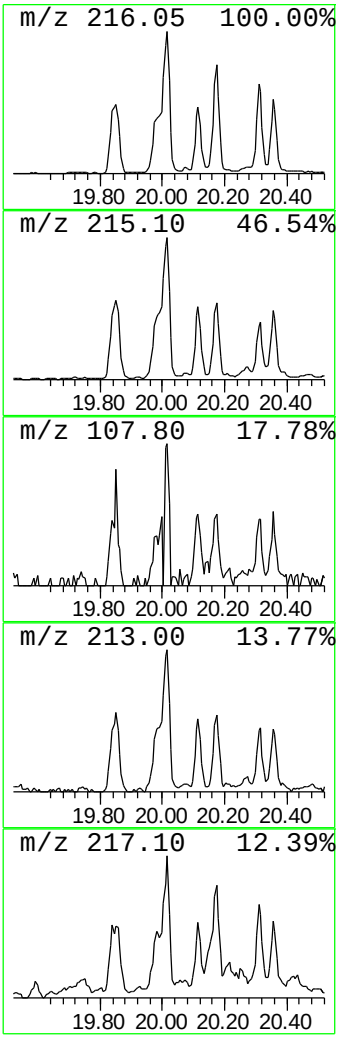
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.02	2.92 ng/ul	357509	Chrysene-d12	21.29

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	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83





Library Search Compound Report

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Data File : BM020510.D
Acq On : 23 May 2019 10:30
Operator : JU/SJ
Sample : K2927-03DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4294DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

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

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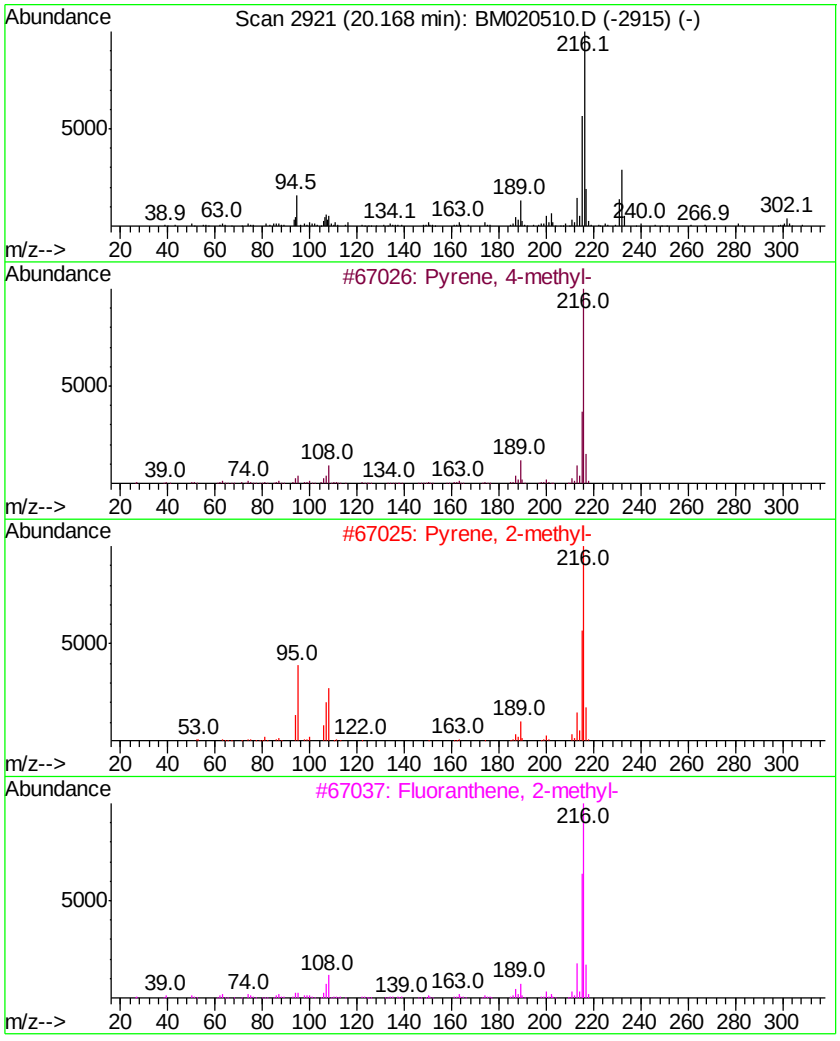
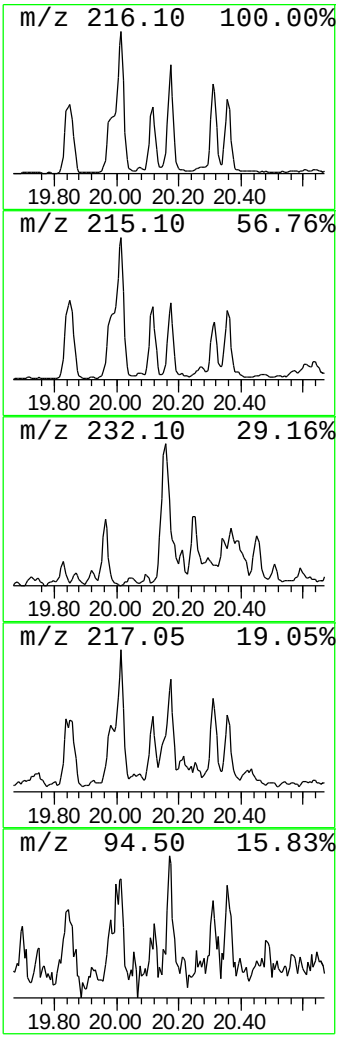
Peak Number 19 Pyrene, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.17	2.67 ng/ul	326612	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91





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Data File : BM020510.D
Acq On : 23 May 2019 10:30
Operator : JU/SJ
Sample : K2927-03DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4294DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

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

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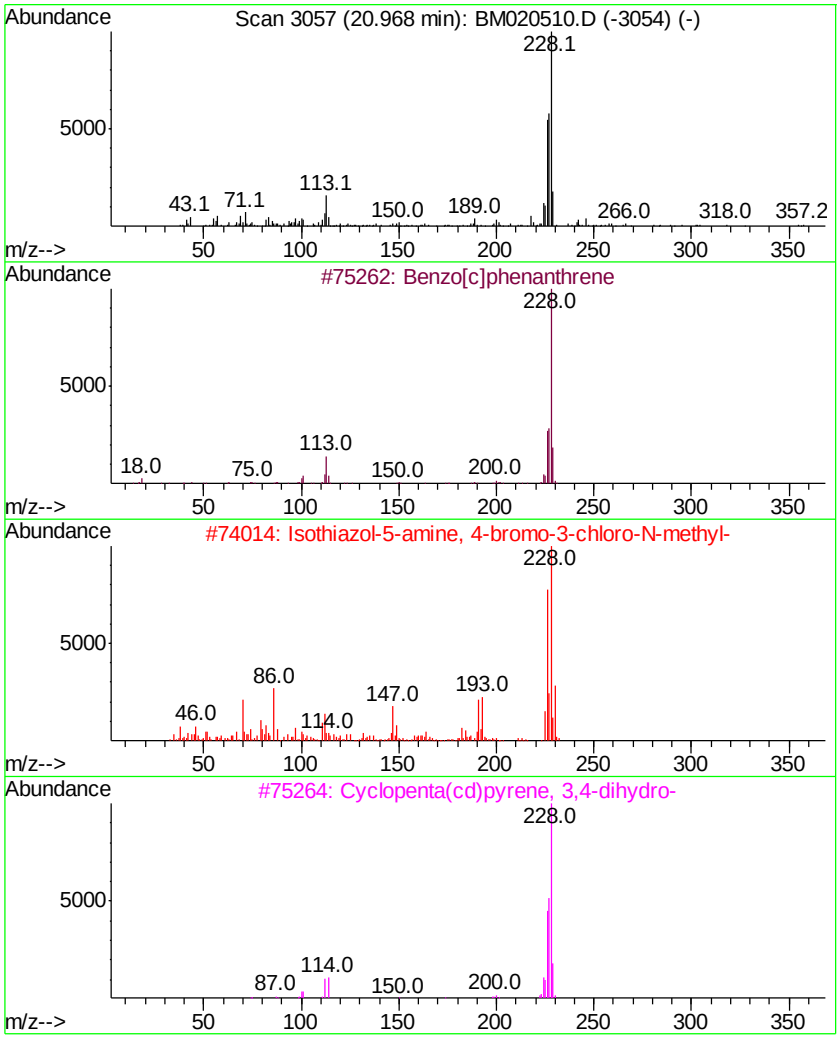
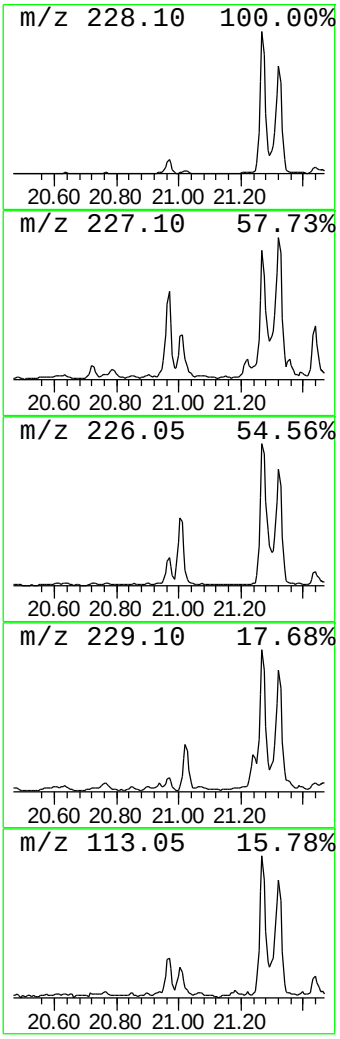
Peak Number 21 Benzo[c]phenanthrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.97	2.46 ng/ul	300897	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	58
2	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	53
3	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	52
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49
5	Triphenylene	228	C18H12	000217-59-4	49





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Data File : BM020510.D
Acq On : 23 May 2019 10:30
Operator : JU/SJ
Sample : K2927-03DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4294DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

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

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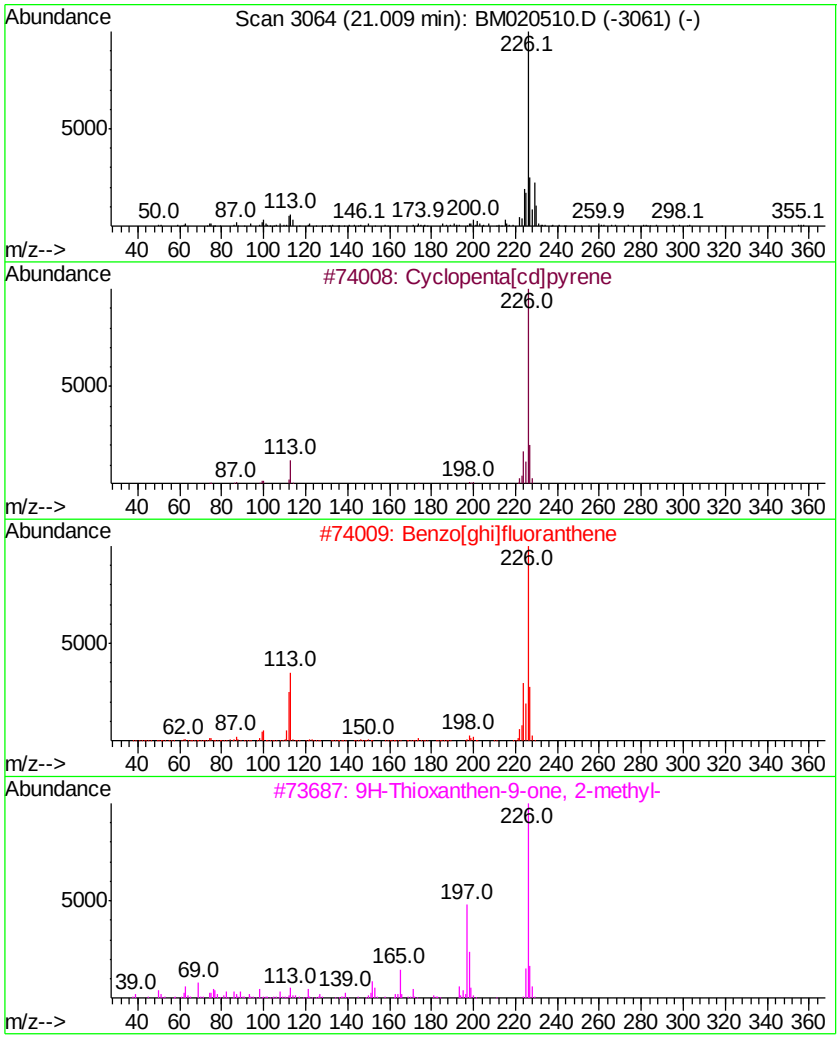
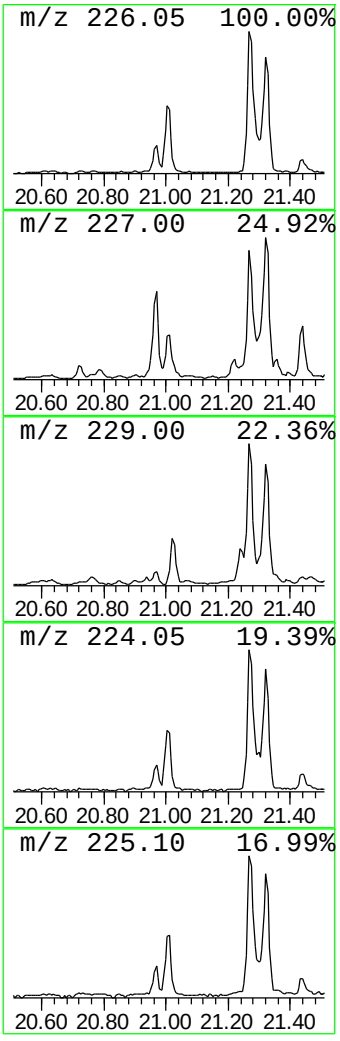
Peak Number 22 Cyclopenta[cd]pyrene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.01	2.04 ng/ul	250080	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	58
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	58
3	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	50
4	Benzene, 1-bromo-2,6-dichloro-	224	C6H3BrCl2	019393-92-1	47
5	6-Methyl-4-phenyl-3-cyanopyridin...	226	C13H10N2S	078564-23-5	47





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052219\
Data File : BM020510.D
Acq On : 23 May 2019 10:30
Operator : JU/SJ
Sample : K2927-03DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4294DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

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

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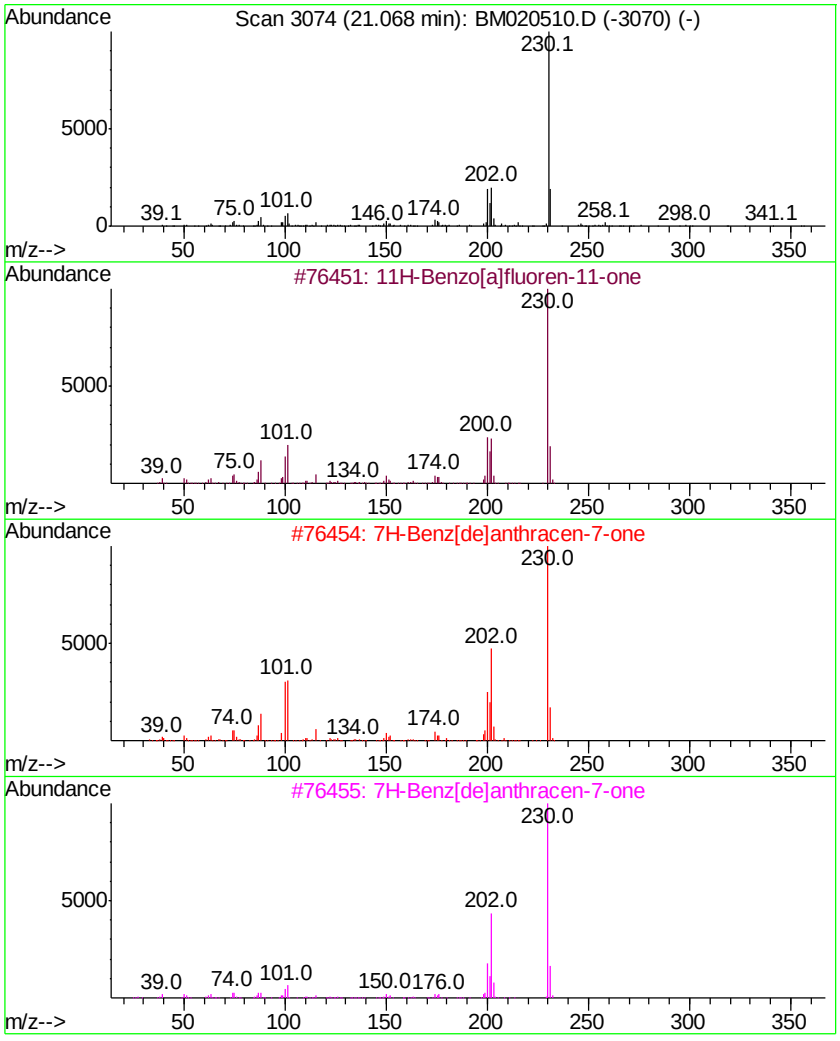
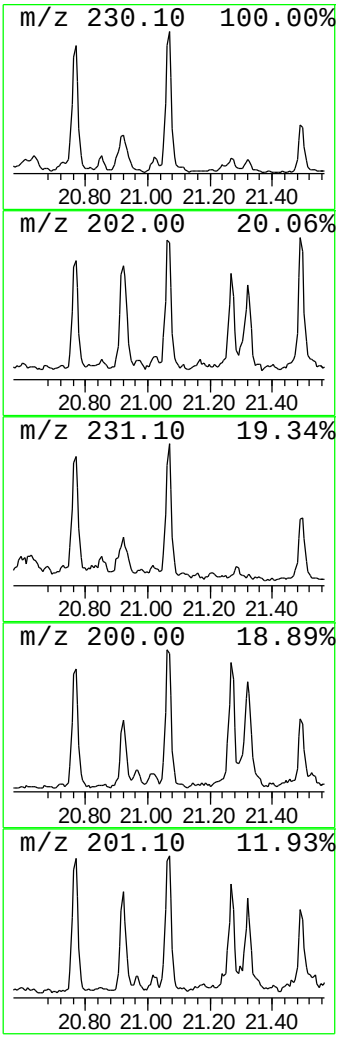
Peak Number 23 11H-Benzo[a]fluoren-11-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.07	2.76 ng/ul	337443	Chrysene-d12	21.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052219\
Data File : BM020510.D
Acq On : 23 May 2019 10:30
Operator : JU/SJ
Sample : K2927-03DL 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : A4294DL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphthalene, 2,3-...	13.65	2.0	ng/ul	49266	3	14.33	490473	20.0
Dibenzofuran, 4-m...	15.67	2.9	ng/ul	70355	3	14.33	490473	20.0
6H-Dibenzo[b,d]-p...	15.82	2.9	ng/ul	90983	4	17.09	628288	20.0
9H-Fluorene, 9-me...	16.39	2.0	ng/ul	63734	4	17.09	628288	20.0
9H-Fluoren-9-one	16.74	3.4	ng/ul	105414	4	17.09	628288	20.0
Dibenzothiophene	16.90	2.1	ng/ul	66900	4	17.09	628288	20.0
Benzo[c]cinnoline...	17.67	2.2	ng/ul	68281	4	17.09	628288	20.0
Phenanthrene, 1-m...	17.96	9.0	ng/ul	283886	4	17.09	628288	20.0
Phenanthrene, 2-m...	18.01	9.9	ng/ul	310638	4	17.09	628288	20.0
1H-Indene, 2-phenyl-	18.09	3.4	ng/ul	107104	4	17.09	628288	20.0
4H-Cyclopenta[def...	18.16	15.1	ng/ul	474387	4	17.09	628288	20.0
Anthracene, 9-met...	18.19	5.3	ng/ul	167144	4	17.09	628288	20.0
5,16[1',2']:8,13[...	18.46	5.3	ng/ul	165479	4	17.09	628288	20.0
9,10-Anthracenedione	18.52	3.8	ng/ul	118702	4	17.09	628288	20.0
Phenanthrene, 2,5...	18.88	6.6	ng/ul	207901	4	17.09	628288	20.0
Cyclopenta(def)ph...	19.03	8.2	ng/ul	257489	4	17.09	628288	20.0
Pyrene, 1-methyl-	19.84	3.2	ng/ul	394159	5	21.29	2448970	20.0
11H-Benzo[b]fluorene	20.02	2.9	ng/ul	357509	5	21.29	2448970	20.0
Pyrene, 4-methyl-	20.17	2.7	ng/ul	326612	5	21.29	2448970	20.0
Benzo[c]phenanthrene	20.97	2.5	ng/ul	300897	5	21.29	2448970	20.0
Cyclopenta[cd]pyrene	21.01	2.0	ng/ul	250080	5	21.29	2448970	20.0
11H-Benzo[a]fluor...	21.07	2.8	ng/ul	337443	5	21.29	2448970	20.0