LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
Data File : BM026965.D
Acq On : 31 Jul 2020 19:18
Operator : JU/CG
Sample : L3424-10 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S83

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-BM072720MA.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	2.902	23	28	36	rBV	119134	209973	2.85%	0.275%
2	2.978	36	41	56	rVB	536869	703279	9.55%	0.921%
3	6.837	690	697	704	rVB	75157	115715	1.57%	0.152%
4	6.995	719	724	733	rBV	52989	83461	1.13%	0.109%
5	7.195	753	758	766	rVB	75346	114467	1.55%	0.150%
6	7.660	831	837	844	rBV	444301	685349	9.30%	0.897%
7	8.360	950	956	962	rBV2	84677	131538	1.79%	0.172%
8	8.801	1022	1031	1037	rVB	63698	108457	1.47%	0.142%
9	9.519	1147	1153	1160	rBV	51286	87958	1.19%	0.115%
10	10.054	1237	1244	1252	rVB	88455	144145	1.96%	0.189%
11	10.431	1301	1308	1314	rBV	557202	938096	12.73%	1.228%
12	10.566	1324	1331	1336	rBV2	44354	79745	1.08%	0.104%
13	13.707	1860	1865	1869	rVV	133374	194572	2.64%	0.255%
14	13.748	1869	1872	1877	rVV2	69219	100043	1.36%	0.131%
15	13.983	1905	1912	1913	rBV	162602	217701	2.95%	0.285%
16	14.013	1913	1917	1926	rVV	276139	464286	6.30%	0.608%
17	14.295	1958	1965	1971	rBV	838063	1237987	16.80%	1.621%
18	14.477	1991	1996	2004	rBV2	66468	110906	1.51%	0.145%
19	14.695	2027	2033	2043	rBV	44252	78678	1.07%	0.103%
20	15.289	2128	2134	2139	rBV	199668	287154	3.90%	0.376%
21	15.342	2139	2143	2149	rVV4	36721	59822	0.81%	0.078%
22	15.789	2215	2219	2227	rVB2	27403	60808	0.83%	0.080%
23	16.007	2250	2256	2264	rBV2	51875	107561	1.46%	0.141%
24	16.618	2356	2360	2364	rVV2	57599	90144	1.22%	0.118%
25	16.683	2367	2371	2381	rVB2	68174	128468	1.74%	0.168%
26	16.771	2382	2386	2392	rBV3	34991	64816	0.88%	0.085%
27	17.036	2424	2431	2434	rBV	961913	1401399	19.02%	1.835%
28	17.077	2434	2438	2443	rVV	682748	948623	12.88%	1.242%
29	17.130	2443	2447	2450	rVV2	223507	348253	4.73%	0.456%
30	17.165	2450	2453	2458	rVV	503114	694866	9.43%	0.910%
31	17.224	2459	2463	2471	rVB3	58704	112257	1.52%	0.147%
32	17.430	2490	2498	2503	rBV2	132682	265977	3.61%	0.348%
33	17.559	2517	2520	2524	rVV	62010	79113	1.07%	0.104%
34	17.912	2573	2580	2583	rBV	147876	220581	2.99%	0.289%

LSC Area Percent Report

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Operator : JU/CG
Sample : L3424-10 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S83

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-BM072720MA.M
Title : SVOA CALIBRATION

35	17.954	2583	2587	2595	rVB	275865	411981	5.59%	0.539%
36	18.036	2596	2601	2606	rBV	105573	154799	2.10%	0.203%
37	18.101	2606	2612	2616	rBV2	260788	478086	6.49%	0.626%
38	18.136	2616	2618	2623	rVB	116663	155417	2.11%	0.204%
39	18.230	2627	2634	2636	rBV6	40330	77937	1.06%	0.102%
40	18.295	2642	2645	2651	rVB4	42950	76800	1.04%	0.101%
41	18.412	2661	2665	2668	rBV	171651	237257	3.22%	0.311%
42	18.448	2668	2671	2678	rVB	354496	457609	6.21%	0.599%
43	18.665	2705	2708	2712	rVV2	93784	126851	1.72%	0.166%
44	18.712	2713	2716	2720	rVV	79433	106061	1.44%	0.139%
45	18.753	2720	2723	2727	rVB	83576	105225	1.43%	0.138%
46	18.836	2732	2737	2742	rBV2	214424	349354	4.74%	0.457%
47	18.895	2742	2747	2750	rVV2	96090	164629	2.23%	0.216%
48	18.930	2750	2753	2756	rVV	63777	87318	1.19%	0.114%
49	18.971	2756	2760	2769	rVB	488207	701736	9.52%	0.919%
50	19.101	2776	2782	2787	rVB	5594377	7176784	97.41%	9.398%
51	19.171	2790	2794	2796	rBV	64574	102191	1.39%	0.134%
52	19.242	2802	2806	2810	rBV2	144969	214035	2.91%	0.280%
53	19.295	2810	2815	2820	rVV3	132768	284876	3.87%	0.373%
54	19.336	2820	2822	2828	rVB2	108267	130002	1.76%	0.170%
55	19.430	2833	2838	2839	rBV	1002333	1137059	15.43%	1.489%
56	19.459	2839	2843	2851	rVV	4742683	6696696	90.89%	8.769%
57	19.530	2851	2855	2862	rVB2	178623	328286	4.46%	0.430%
58	19.642	2869	2874	2879	rBV	266313	407920	5.54%	0.534%
59	19.695	2879	2883	2890	rVB	336499	574853	7.80%	0.753%
60	19.795	2893	2900	2905	rBV3	394619	916618	12.44%	1.200%
61	19.877	2911	2914	2917	rBV4	40947	60002	0.81%	0.079%
62	19.924	2917	2922	2925	rBV4	387152	746568	10.13%	0.978%
63	20.006	2932	2936	2939	rBV3	79951	130101	1.77%	0.170%
64	20.053	2941	2944	2948	rVV3	168475	231446	3.14%	0.303%
65	20.112	2948	2954	2958	rVV2	573459	967299	13.13%	1.267%
66	20.153	2958	2961	2965	rVB3	129082	173353	2.35%	0.227%
67	20.200	2965	2969	2974	rBV2	121699	206461	2.80%	0.270%
68	20.253	2974	2978	2982	rBV	330631	456886	6.20%	0.598%
69	20.300	2982	2986	2991	rBV3	239347	401914	5.46%	0.526%
70	20.518	3019	3023	3026	rBV5	130647	250972	3.41%	0.329%
71	20.624	3038	3041	3044	rVB2	81573	83870	1.14%	0.110%

LSC Area Percent Report

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Acq On : 31 Jul 2020 19:18
Operator : JU/CG
Sample : L3424-10 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S83

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-BM072720MA.M
Title : SVOA CALIBRATION

72	20.700	3050	3054	3061	rVB	959964	1223893	16.61%	1.603%
73	20.865	3076	3082	3086	rBV2	529304	1106104	15.01%	1.448%
74	20.906	3086	3089	3092	rVV2	486727	643912	8.74%	0.843%
75	20.947	3092	3096	3101	rVV2	578390	1010591	13.72%	1.323%
76	21.000	3101	3105	3114	rVB	729946	1045109	14.18%	1.369%
77	21.177	3132	3135	3136	rBV	163381	166589	2.26%	0.218%
78	21.212	3136	3141	3147	rVV2	2842100	5990298	81.30%	7.844%
79	21.265	3147	3150	3156	rVB	2659595	3526360	47.86%	4.618%
80	21.342	3161	3163	3166	rVB2	109408	114098	1.55%	0.149%
81	21.395	3167	3172	3175	rBV3	240676	444614	6.03%	0.582%
82	21.530	3191	3195	3199	rBV2	381844	611759	8.30%	0.801%
83	21.583	3201	3204	3207	rVB3	188036	259515	3.52%	0.340%
84	21.718	3224	3227	3230	rBV3	167077	265273	3.60%	0.347%
85	21.771	3230	3236	3240	rVB	499853	880729	11.95%	1.153%
86	21.824	3241	3245	3251	rVB2	600935	833283	11.31%	1.091%
87	21.965	3265	3269	3271	rBV	249385	320498	4.35%	0.420%
88	22.236	3311	3315	3319	rVB	224038	305288	4.14%	0.400%
89	22.389	3338	3341	3350	rVB3	280727	503455	6.83%	0.659%
90	22.512	3358	3362	3375	rVB3	289152	881296	11.96%	1.154%
91	22.636	3379	3383	3389	rVB2	288554	492141	6.68%	0.644%
92	22.789	3401	3409	3413	rBV2	3147304	7367742	100.00%	9.648%
93	22.947	3431	3436	3445	rVB	368745	615235	8.35%	0.806%
94	23.077	3453	3458	3469	rBV2	228266	607254	8.24%	0.795%
95	23.247	3481	3487	3493	rBV	1522502	2583777	35.07%	3.383%
96	23.341	3498	3503	3511	rVB	1322290	2368082	32.14%	3.101%
97	23.436	3512	3519	3524	rBV2	752396	1546520	20.99%	2.025%
98	23.483	3524	3527	3536	rVB3	347107	767127	10.41%	1.005%
99	25.647	3886	3895	3906	rVB	1020881	3063567	41.58%	4.012%
100	26.312	4003	4008	4018	rVB	285800	777308	10.55%	1.018%

Sum of corrected areas: 76366867

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
Data File : BM026965.D
Acq On : 31 Jul 2020 19:18
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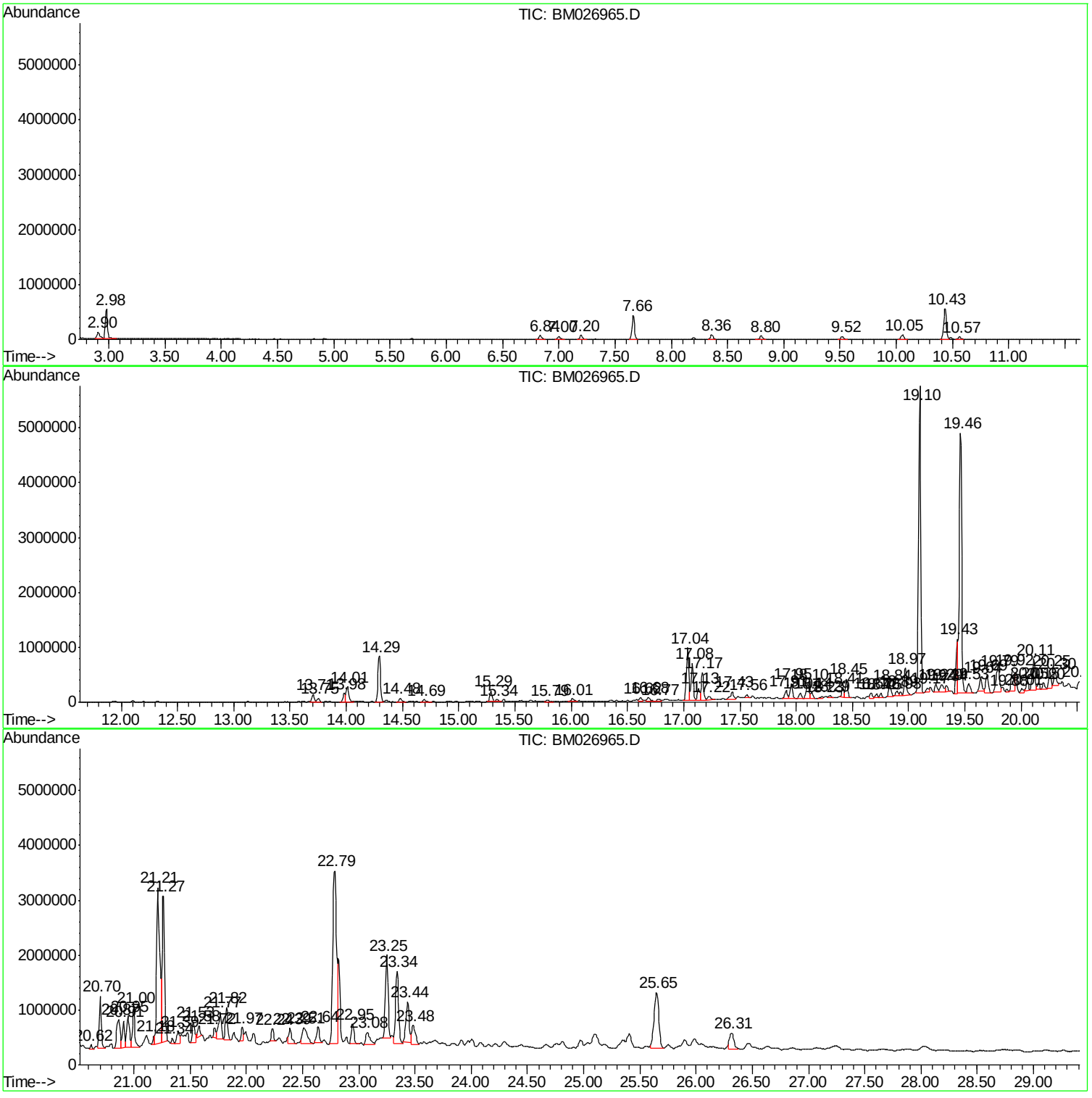
Sample : L3424-10 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S83

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
Data File : BM026965.D
Acq On : 31 Jul 2020 19:18
Operator : JU/CG
Sample : L3424-10 5X
Misc :
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Instrument : BNA_M
ClientSampleId : C0S83

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION

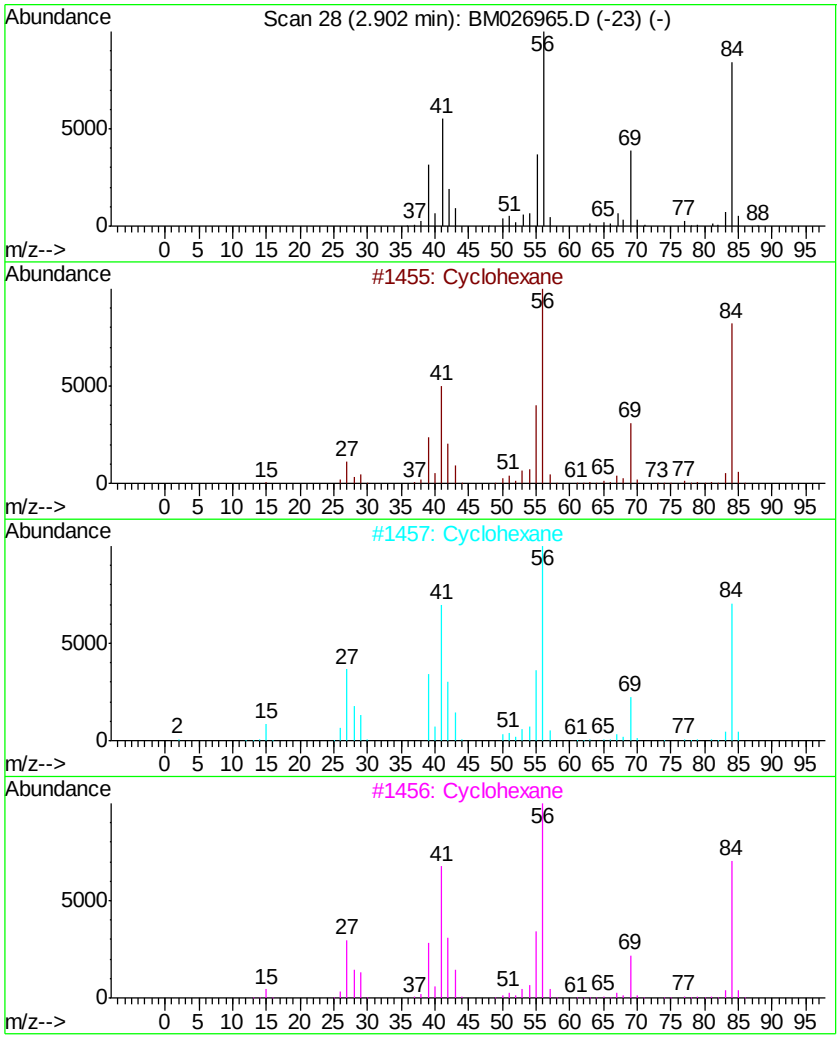
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

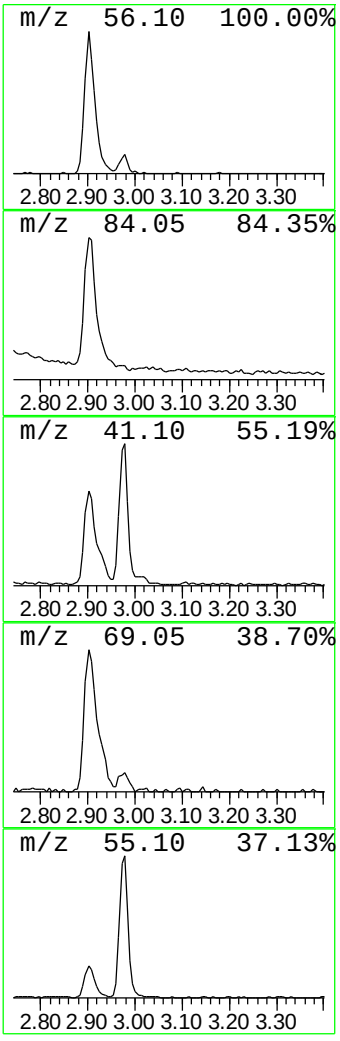
****

Peak Number 1 (DEL) Alkane: Cyclic2.90 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.90	6.13 ng/ul	209973	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane	84	C6H12	000110-82-7	94
2	Cyclohexane	84	C6H12	000110-82-7	87
3	Cyclohexane	84	C6H12	000110-82-7	87
4	Cyclohexane	84	C6H12	000110-82-7	86
5	Cyclohexane	84	C6H12	000110-82-7	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
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Instrument : BNA_M
ClientSampleId : C0S83

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION

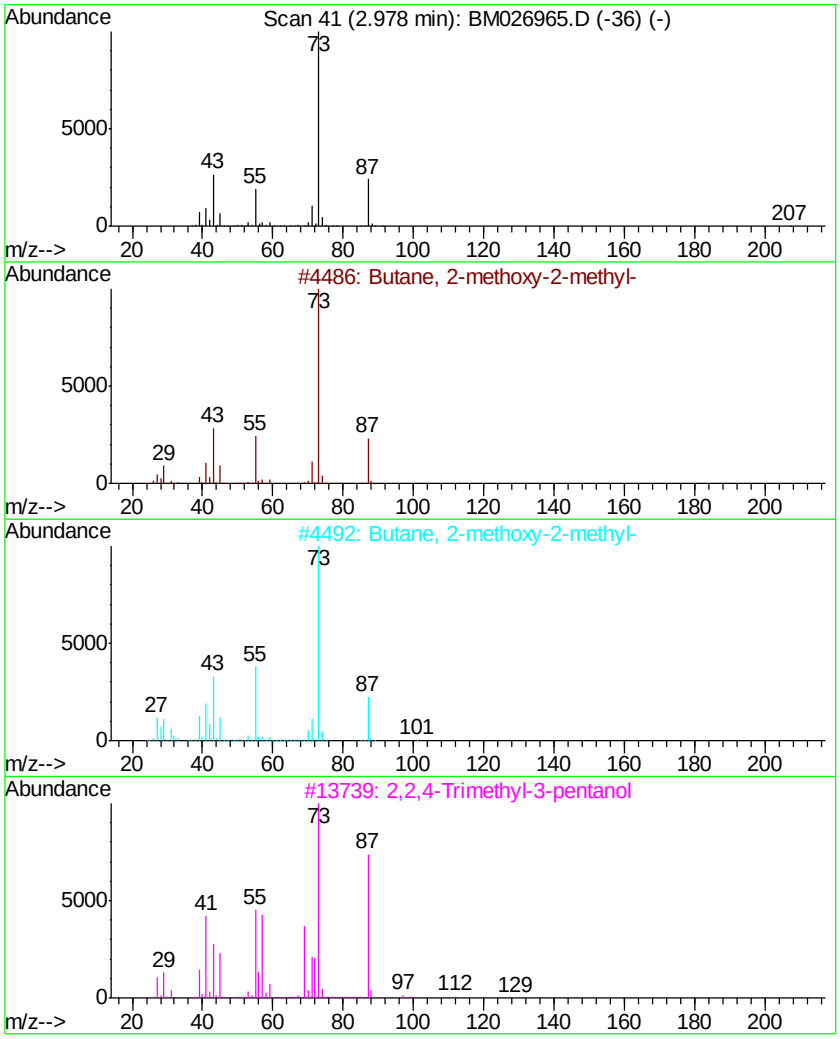
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

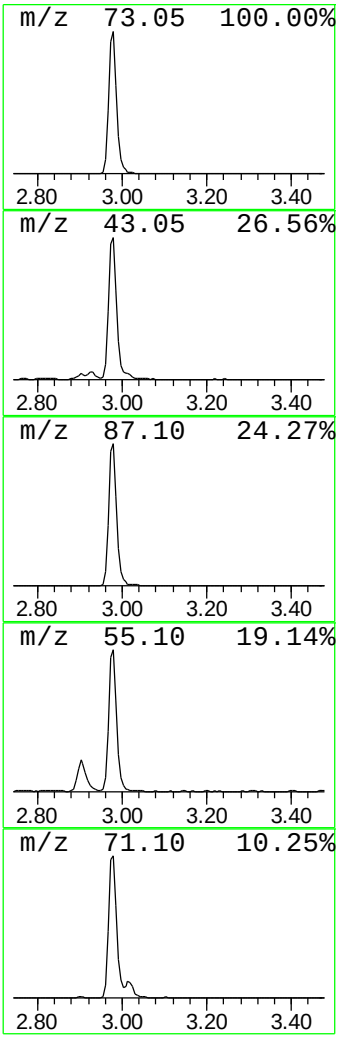
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.98	20.52 ng/ul	703279	1,4-Dichlorobenzene-d4	7.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	72
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	43
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	16





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Quant Title : SVOA CALIBRATION

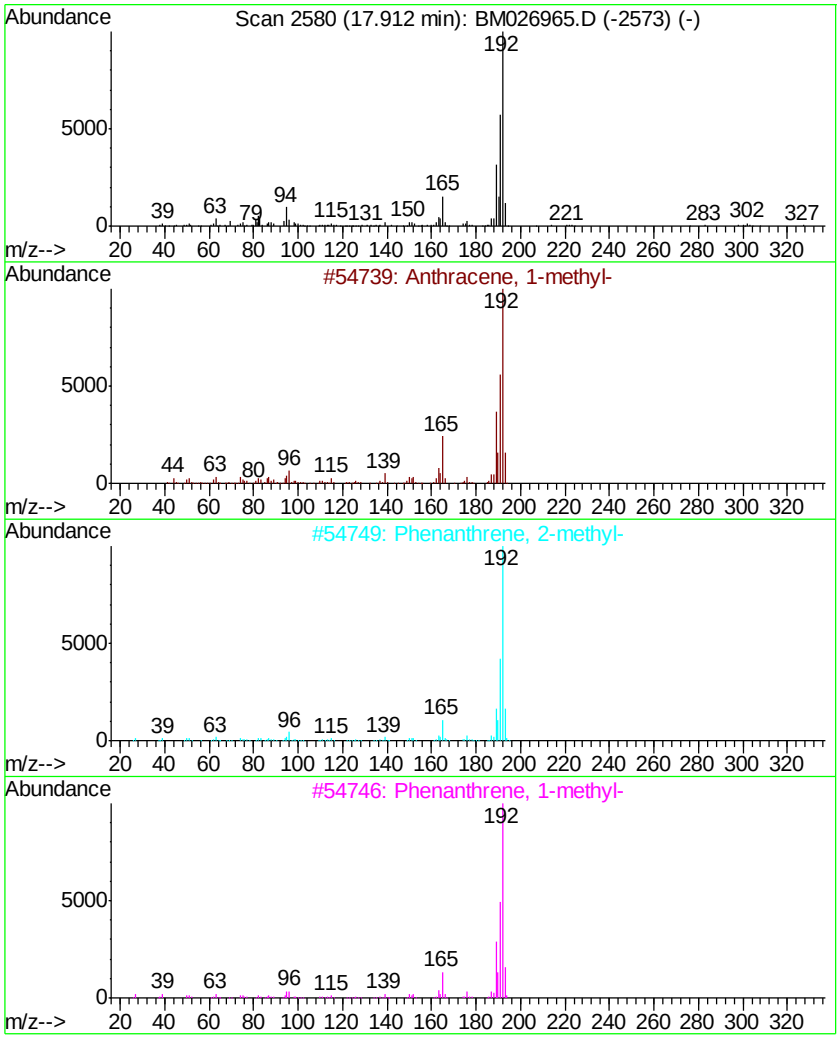
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

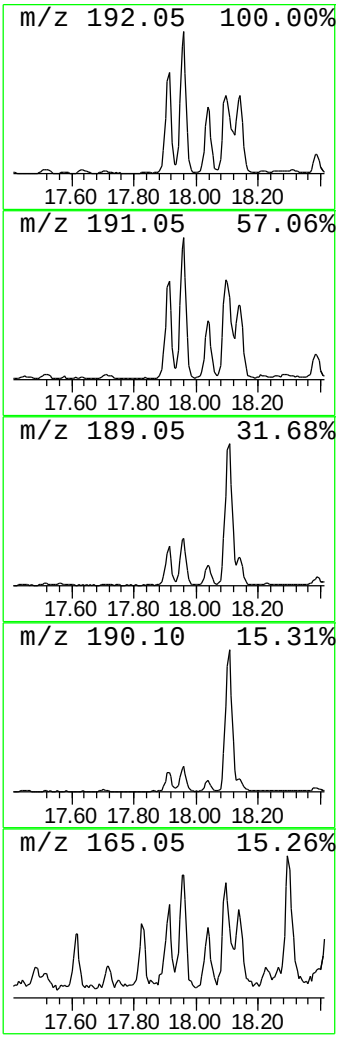
****

Peak Number 3 Anthracene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.91	3.15 ng/ul	220581	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
Data File : BM026965.D
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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S83

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION

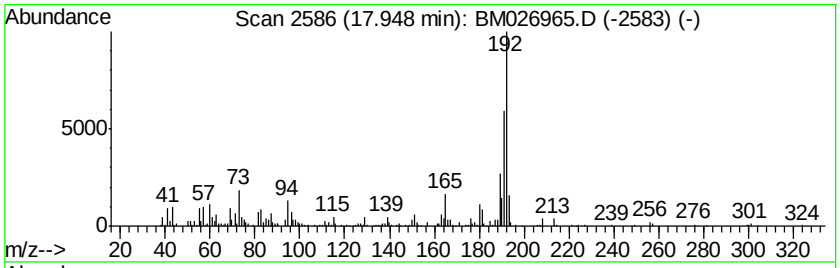
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

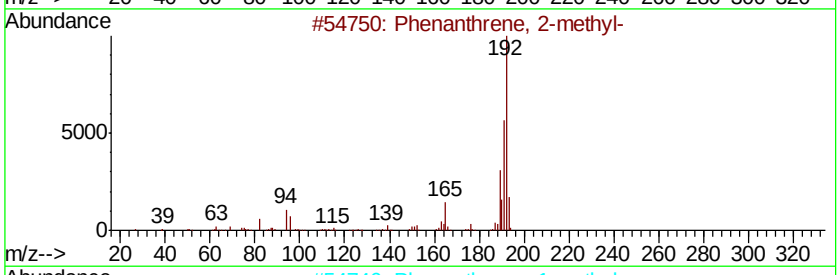
****

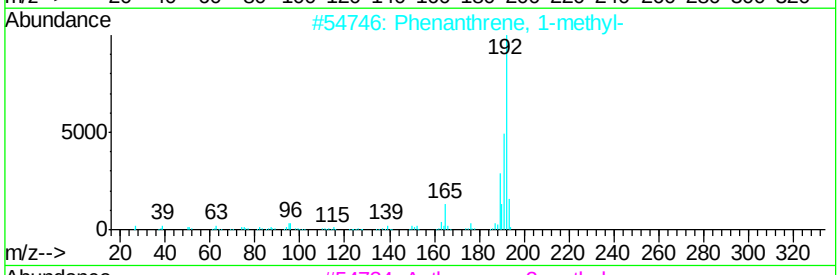
Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 11

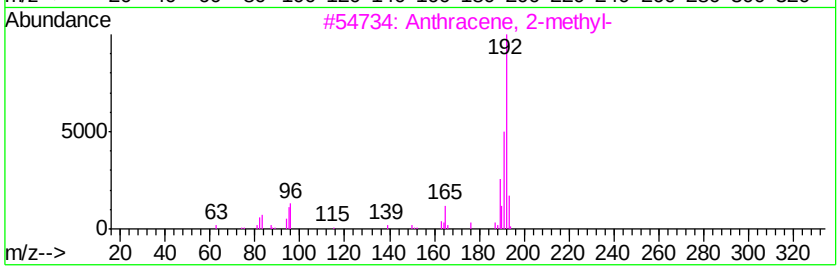
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	5.88 ng/ul	411981	Phenanthrene-d10	17.04

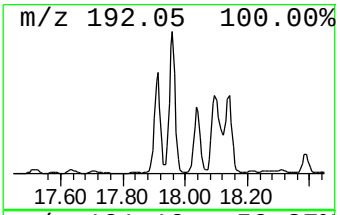
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94

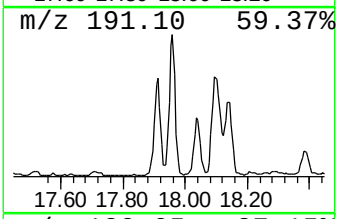


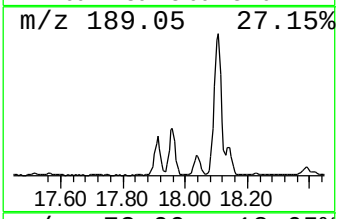


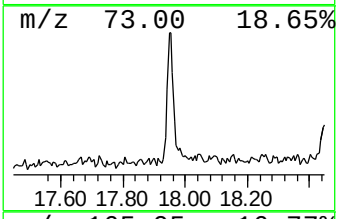


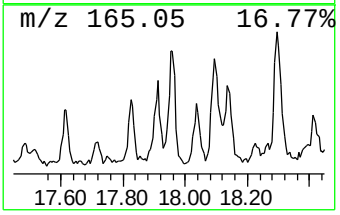












Library Search Compound Report

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Acq On : 31 Jul 2020 19:18
Operator : JU/CG
Sample : L3424-10 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S83

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION

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

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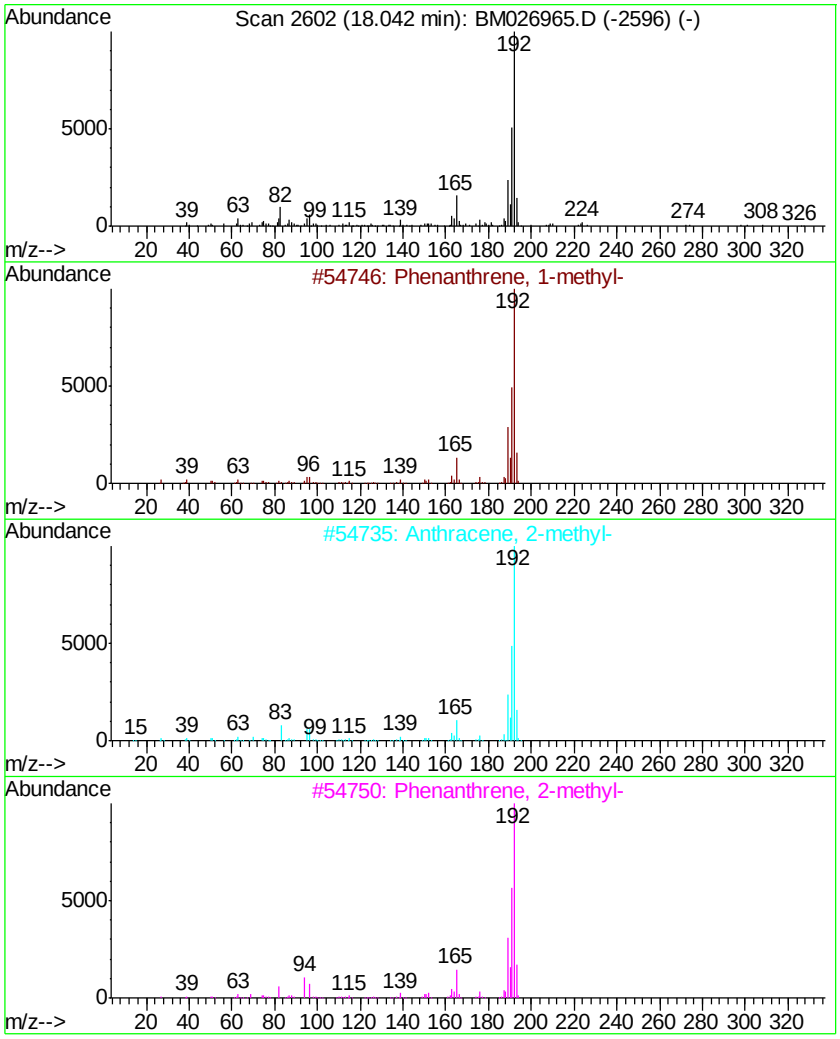
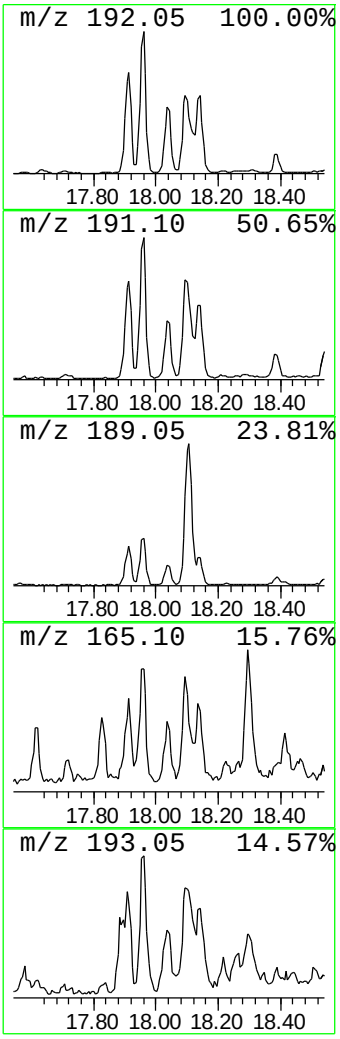
Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	2.21 ng/ul	154799	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





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Sample : L3424-10 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S83

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Quant Title : SVOA CALIBRATION

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

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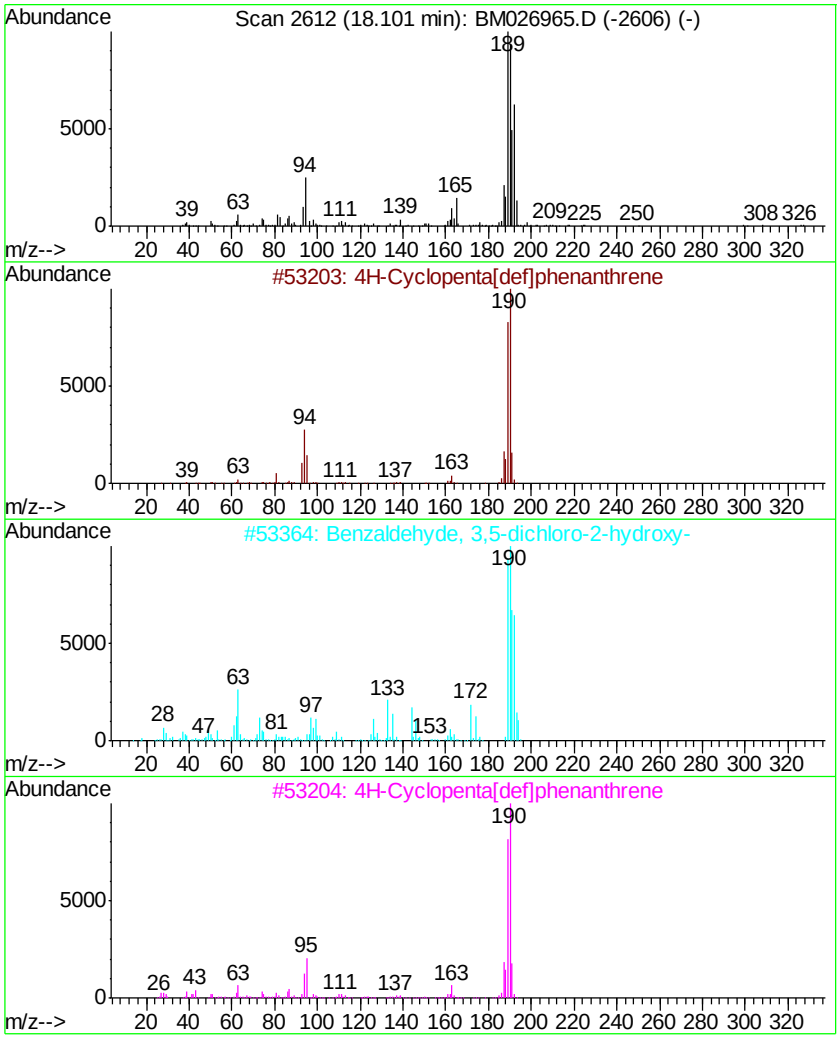
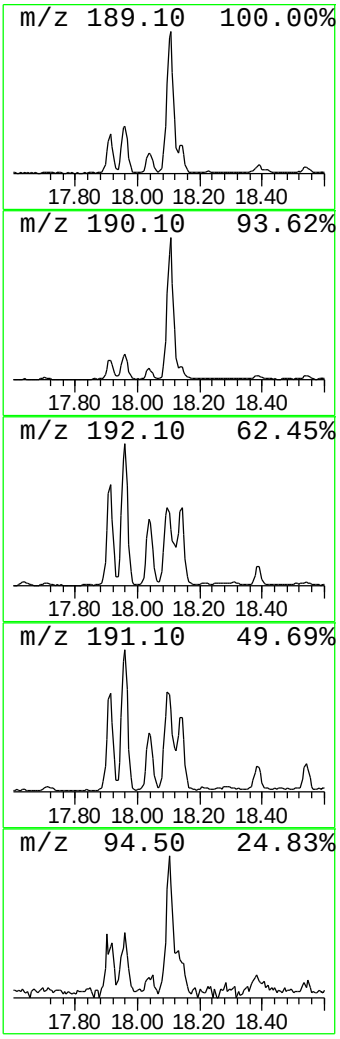
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	6.82 ng/ul	478086	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	43





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Misc :
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Instrument : BNA_M
ClientSampleId : C0S83

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Quant Title : SVOA CALIBRATION

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

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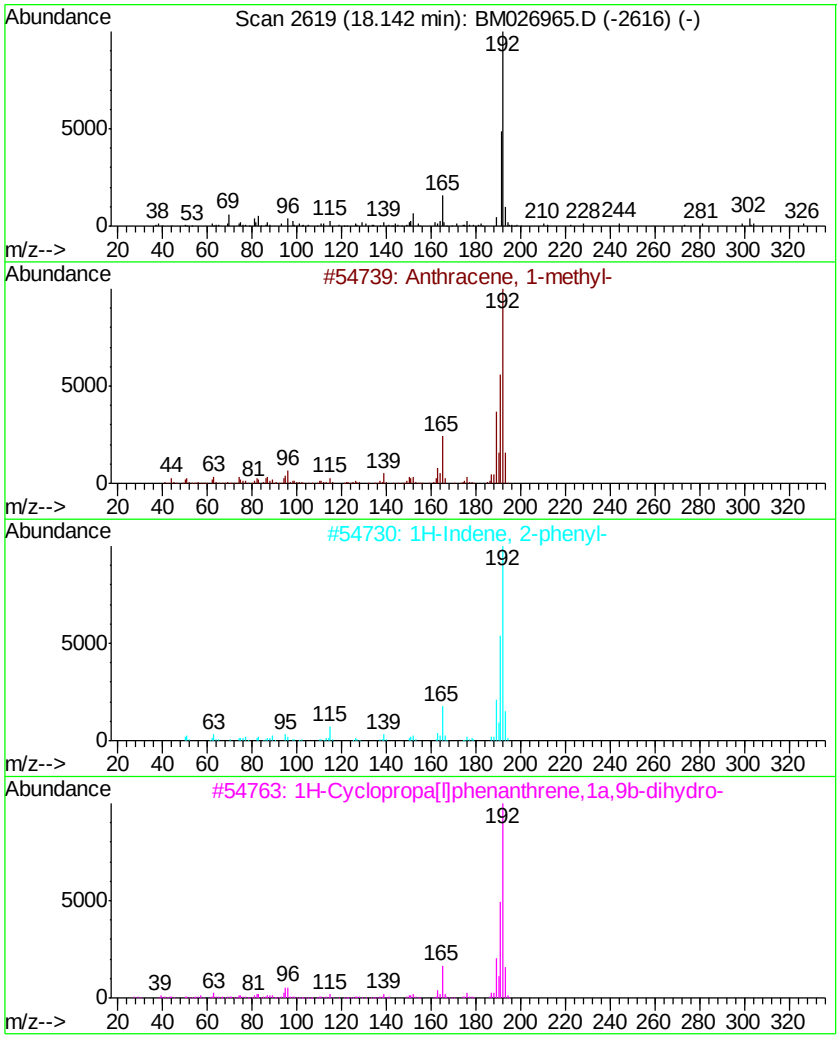
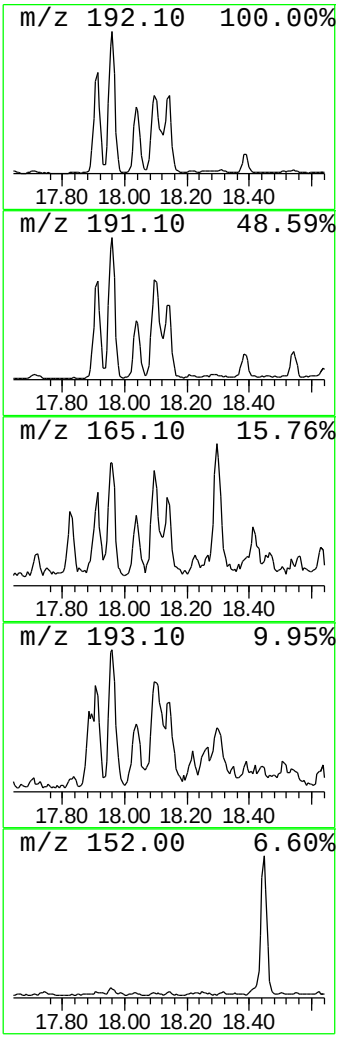
Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	2.22 ng/ul	155417	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	80
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	80
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	80
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	72
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	72





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Sample : L3424-10 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S83

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Quant Title : SVOA CALIBRATION

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

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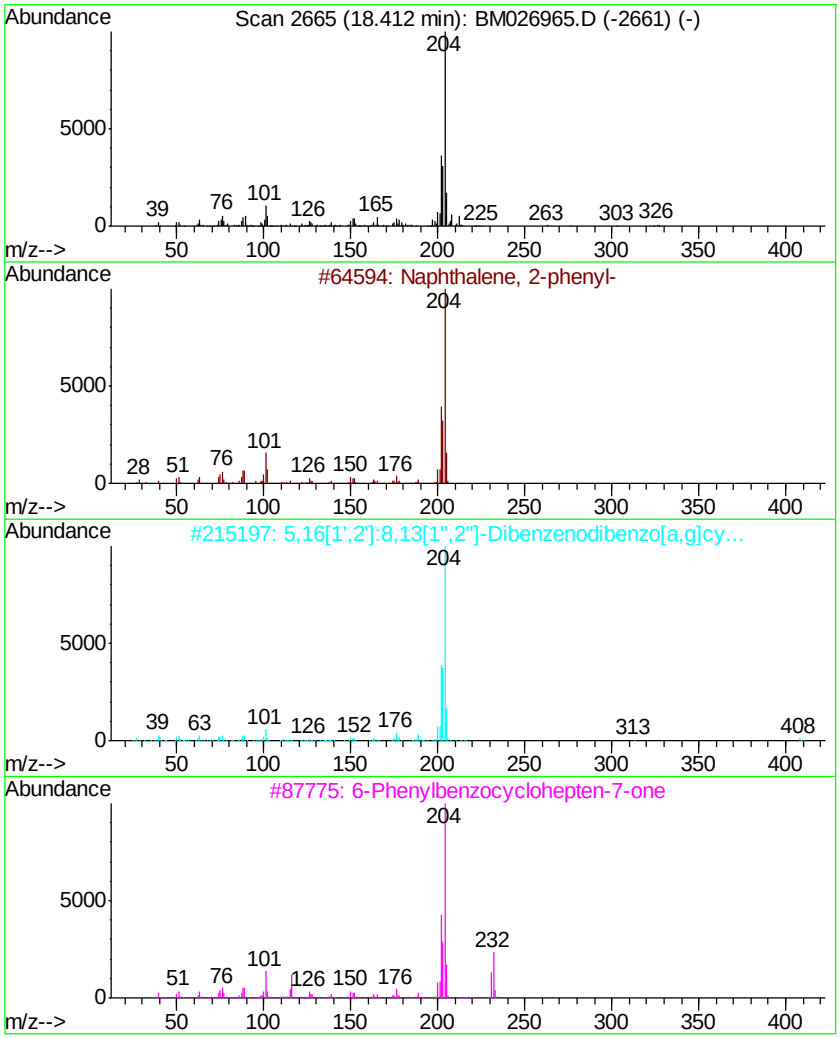
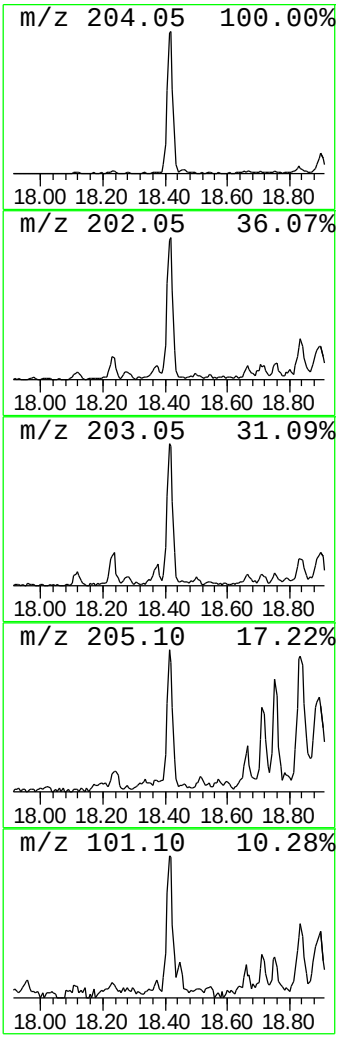
Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.41	3.39 ng/ul	237257	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81





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Misc :
ALS Vial : 13 Sample Multiplier: 1

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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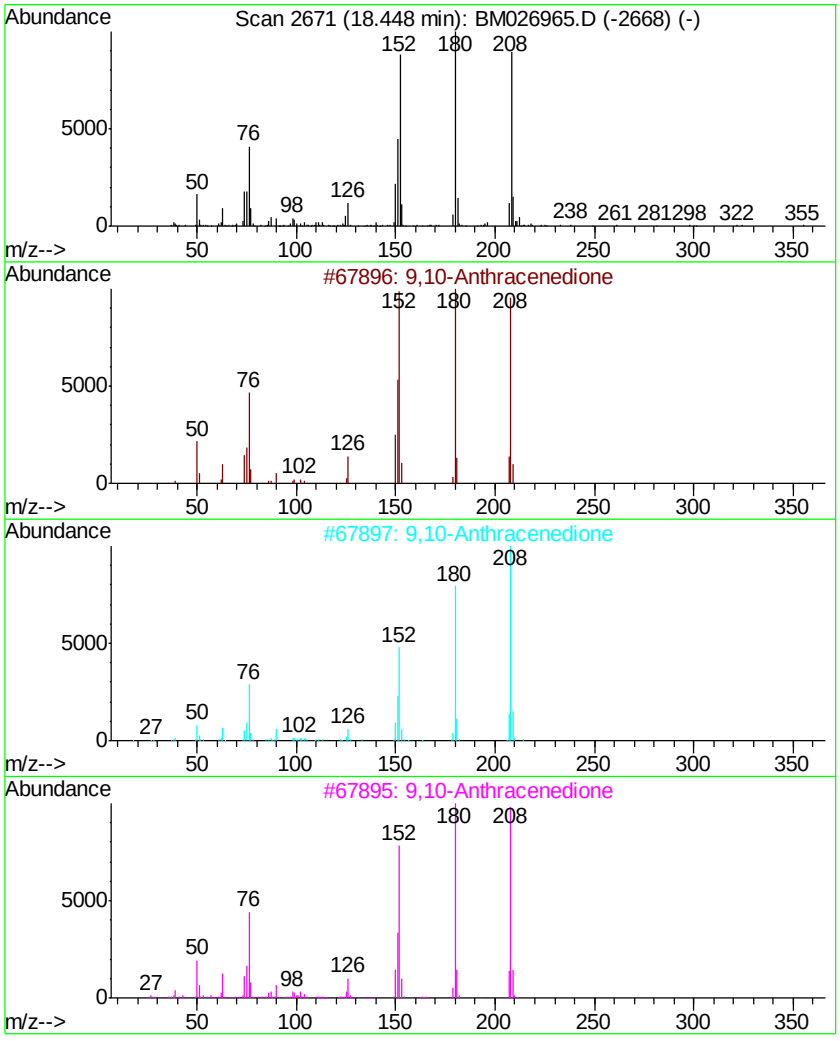
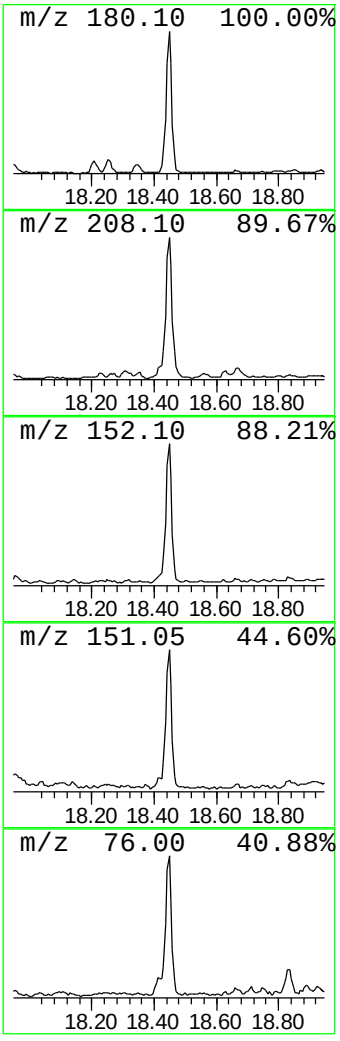
Peak Number 9 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	6.53 ng/ul	457609	Phenanthrene-d10	17.04

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	95
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60





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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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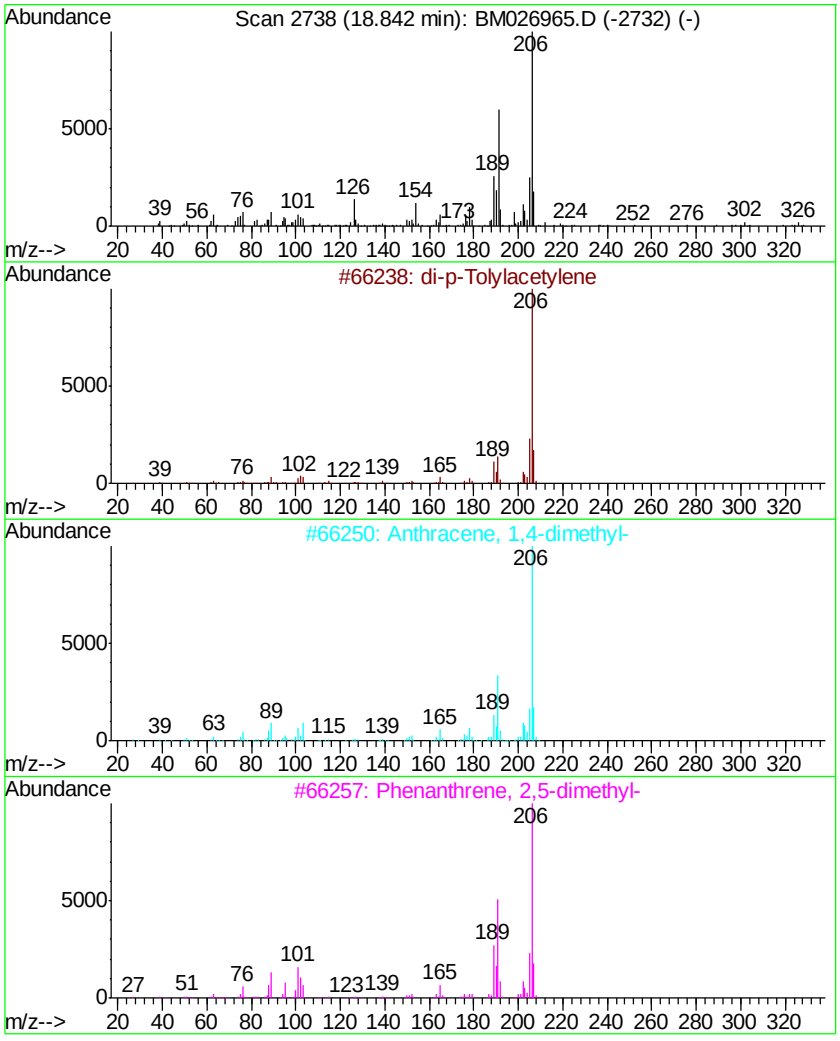
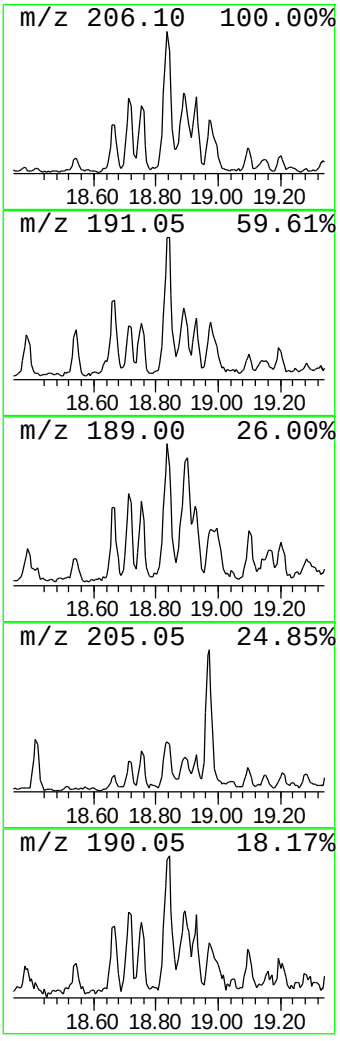
Peak Number 10 di-p-Tolylacetylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.84	4.99 ng/ul	349354	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	92
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	89
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	86
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86





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Acq On : 31 Jul 2020 19:18
Operator : JU/CG
Sample : L3424-10 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S83

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION

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

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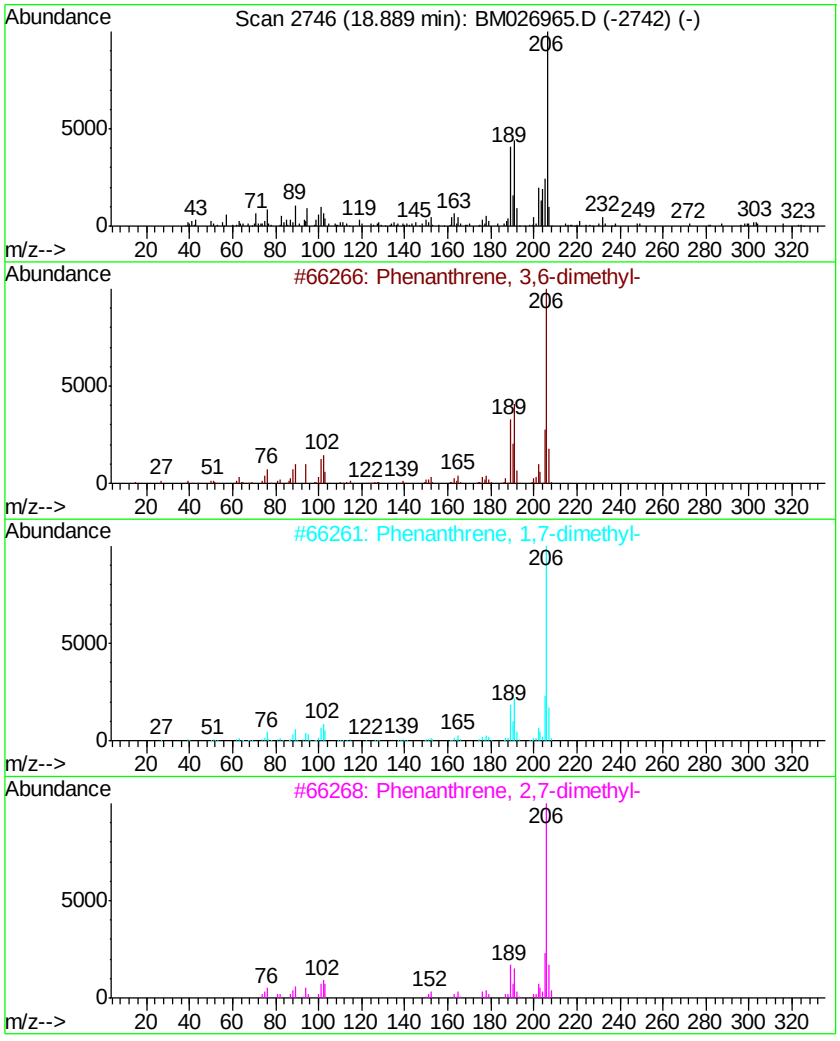
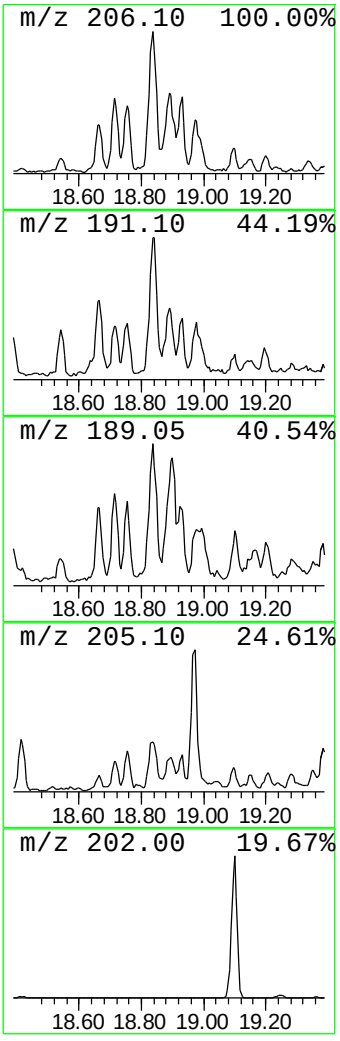
Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.89	2.35 ng/ul	164629	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	76
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	74
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	74
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	70





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Sample : L3424-10 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S83

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Quant Title : SVOA CALIBRATION

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

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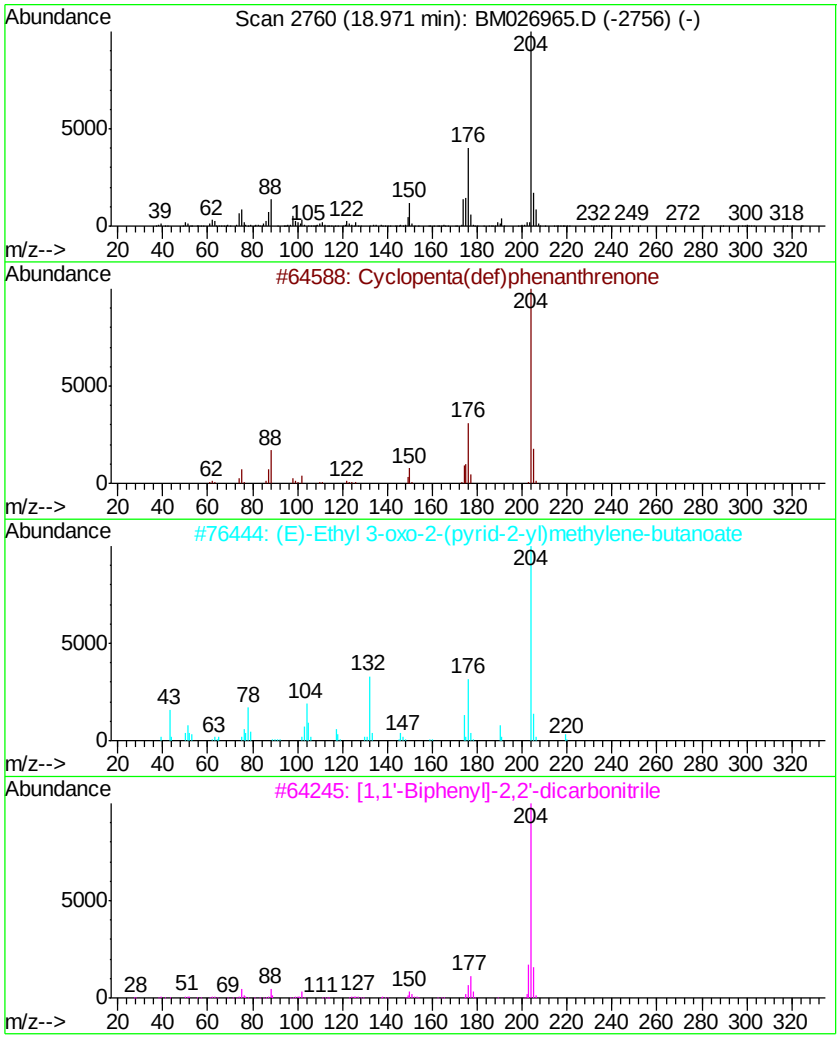
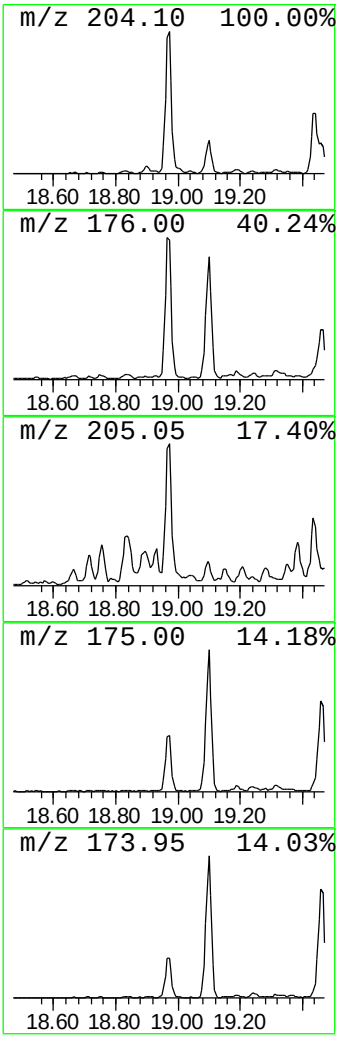
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	10.01 ng/ul	701736	Phenanthrene-d10	17.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	87
2	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	50
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	46
5	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	43





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Instrument : BNA_M
ClientSampleId : C0S83

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Quant Title : SVOA CALIBRATION

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

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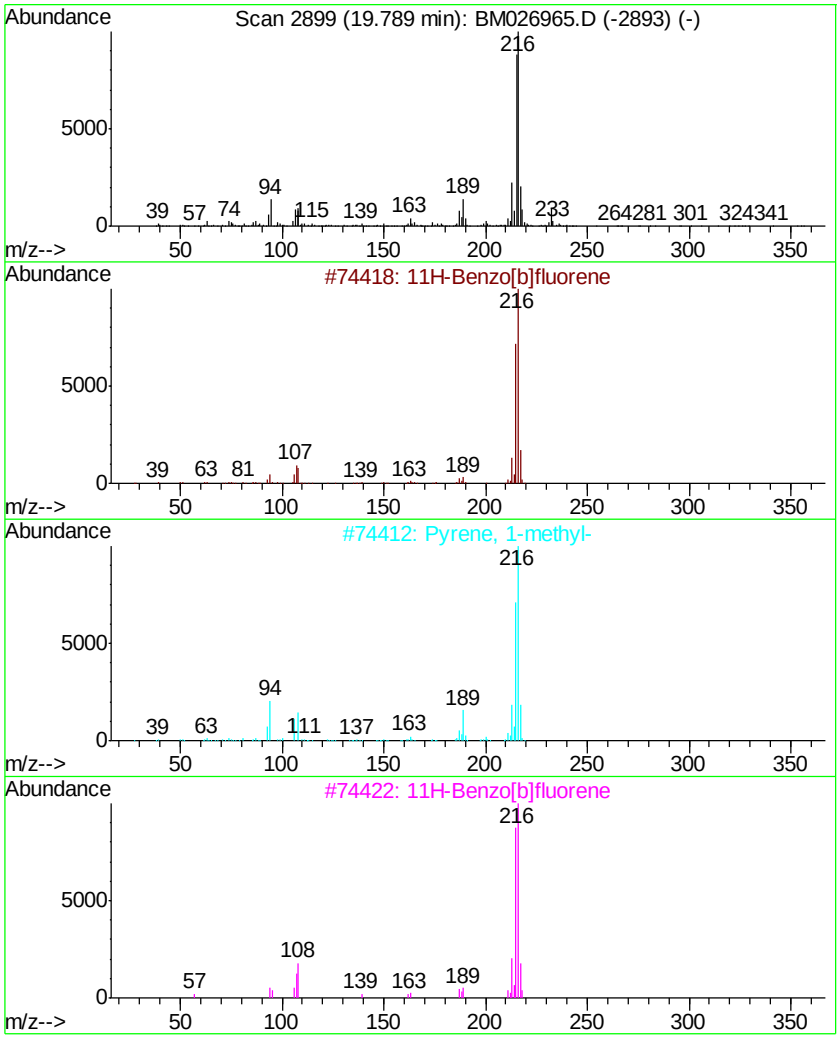
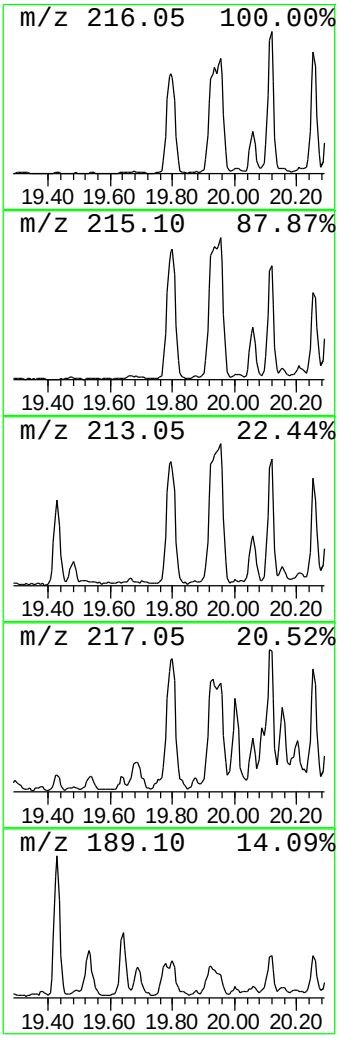
Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.79	3.06 ng/ul	916618	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83





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Misc :
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ClientSampleId : C0S83

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Quant Title : SVOA CALIBRATION

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

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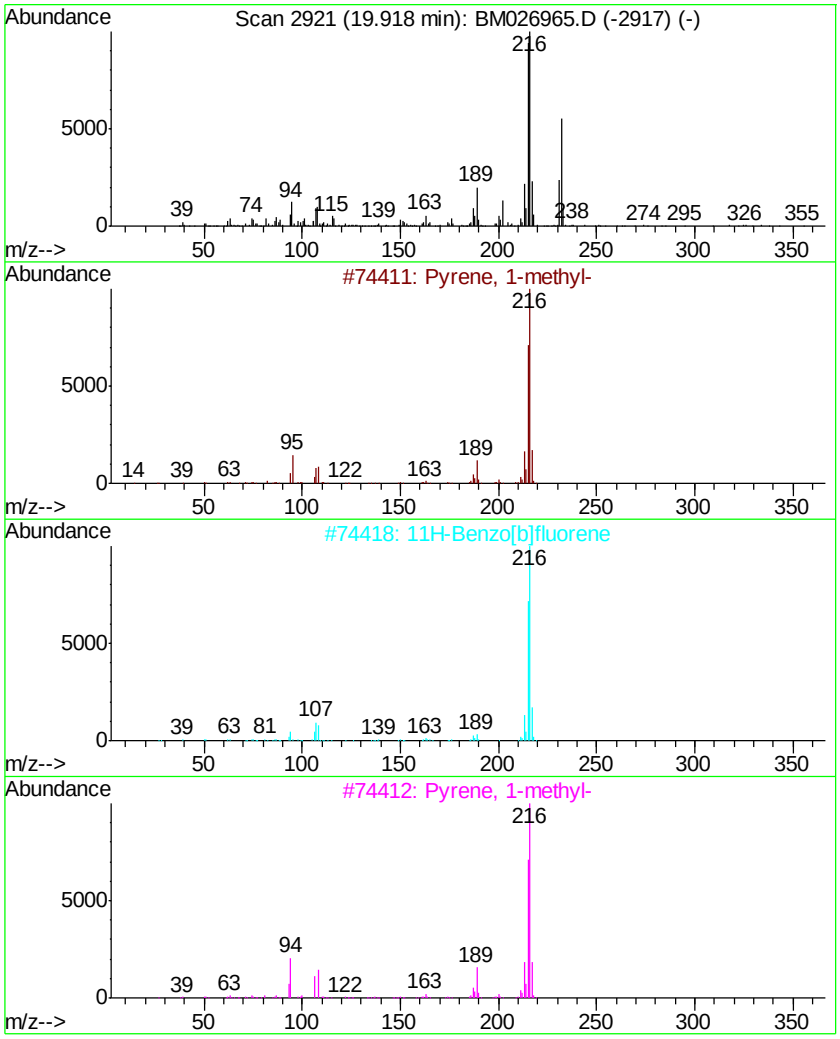
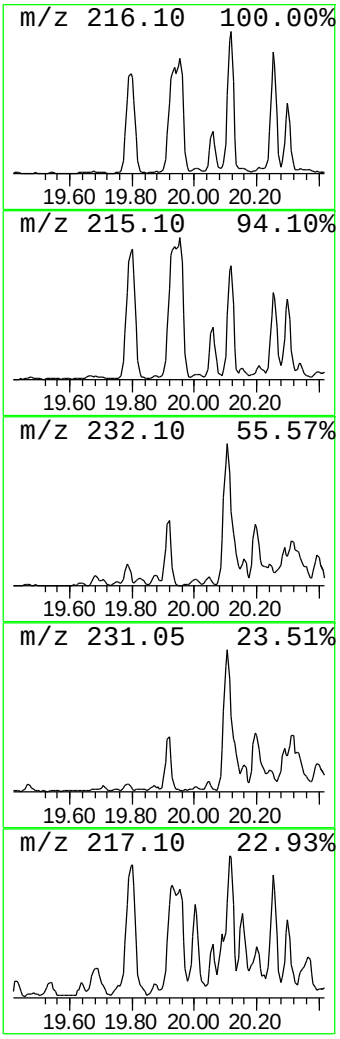
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.92	2.49 ng/ul	746568	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89





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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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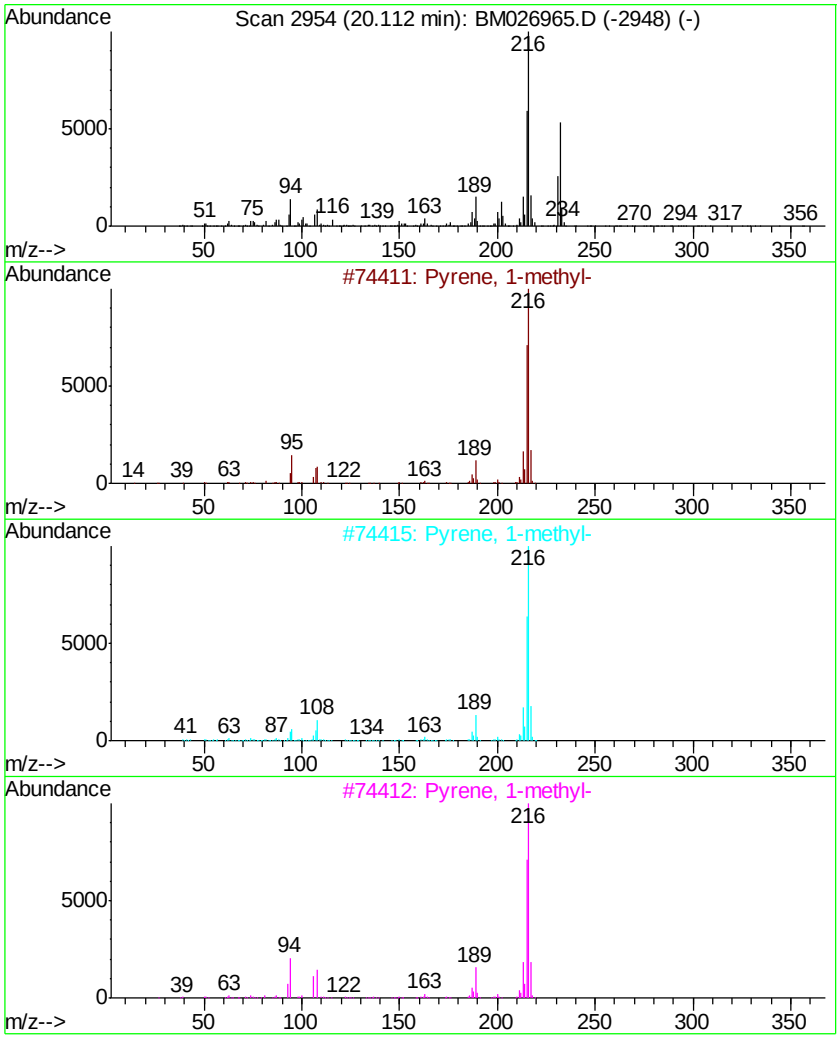
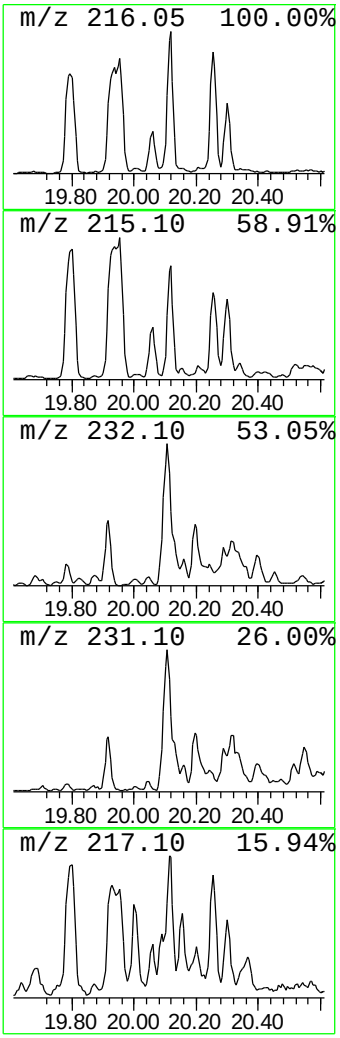
Peak Number 15 Pyrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.11	3.23 ng/ul	967299	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	78
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	60





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Acq On : 31 Jul 2020 19:18
Operator : JU/CG
Sample : L3424-10 5X
Misc :
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Instrument : BNA_M
ClientSampleId : C0S83

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Quant Title : SVOA CALIBRATION

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

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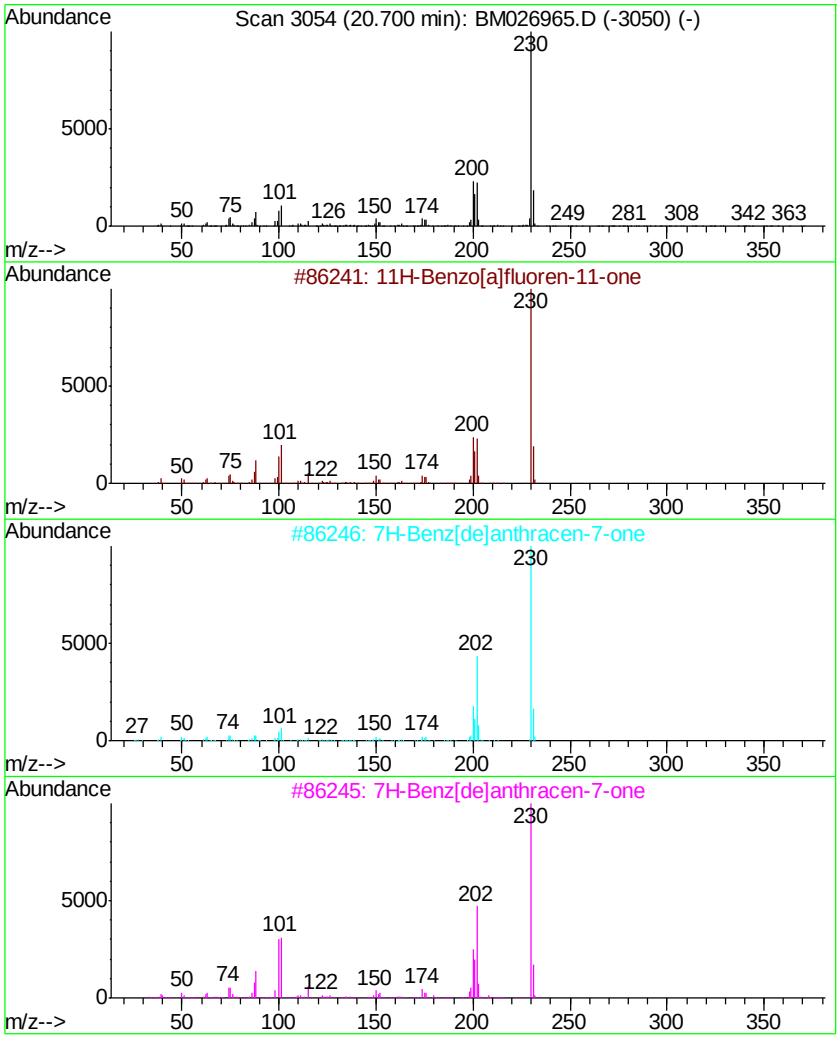
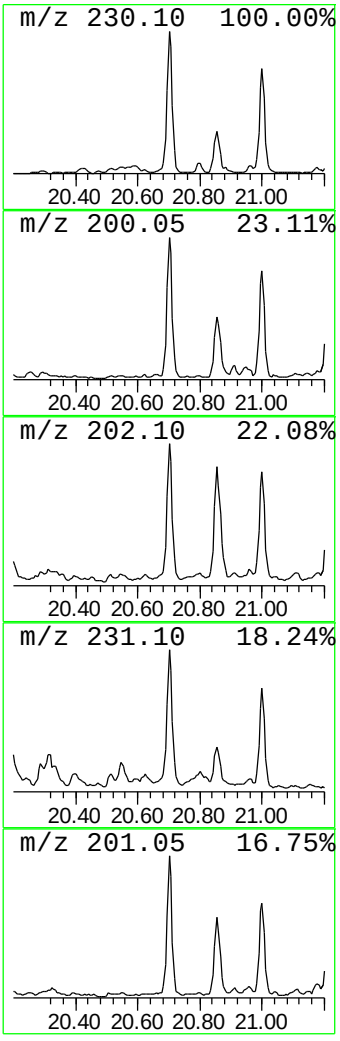
Peak Number 16 11H-Benzo[a]fluoren-11-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.70	4.09 ng/ul	1223890	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	64
5	4-Methoxy-2-(p-methoxyphenyl)-6-...	230	C13H14N2O2	063896-93-5	53





Library Search Compound Report

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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S83

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Quant Title : SVOA CALIBRATION

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

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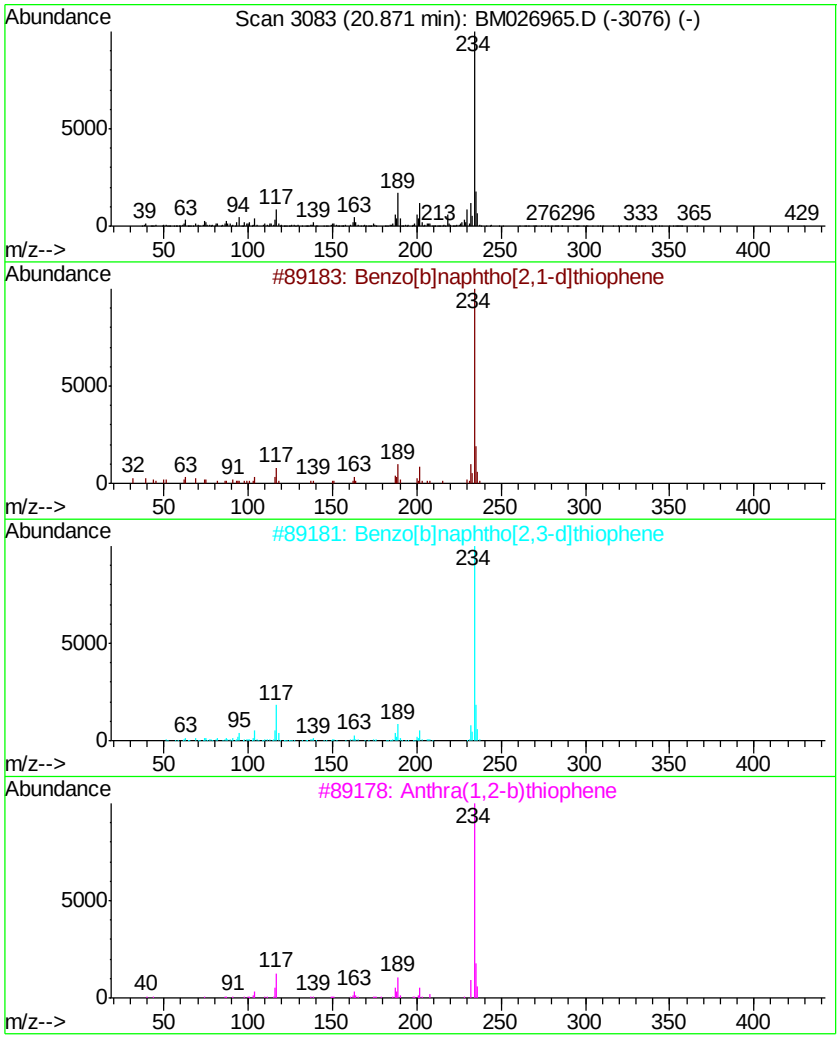
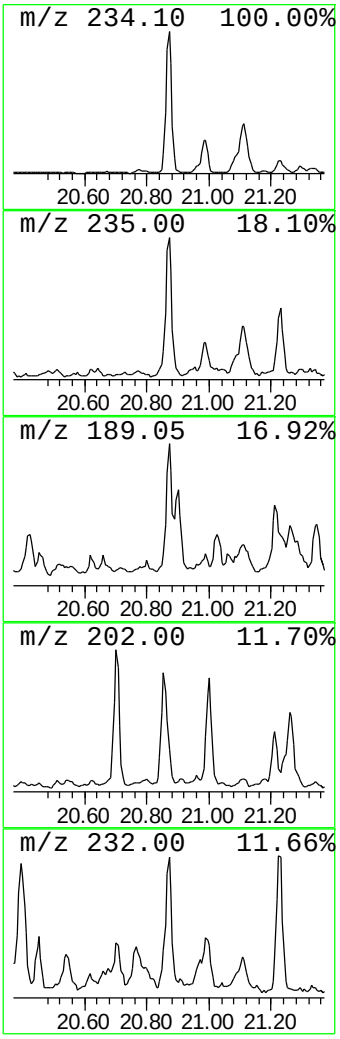
Peak Number 17 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	3.69 ng/ul	1106100	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	86
3	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	83
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	70
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	62





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Instrument : BNA_M
ClientSampleId : C0S83

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Quant Title : SVOA CALIBRATION

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

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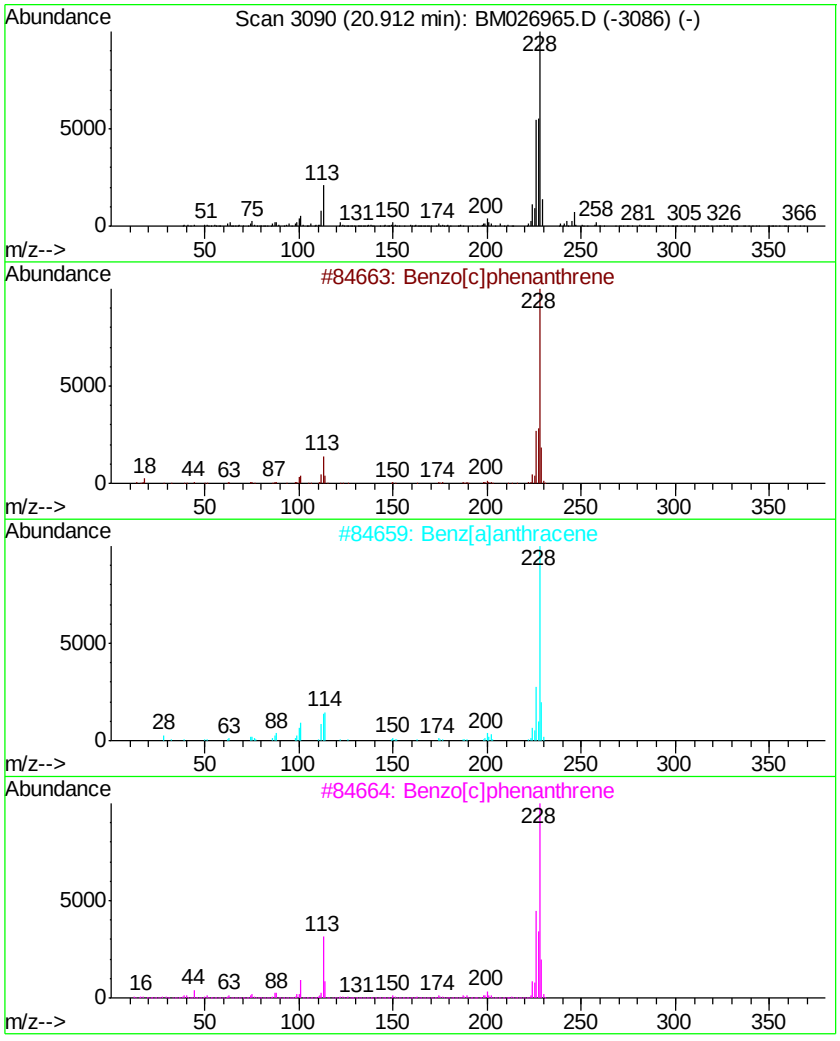
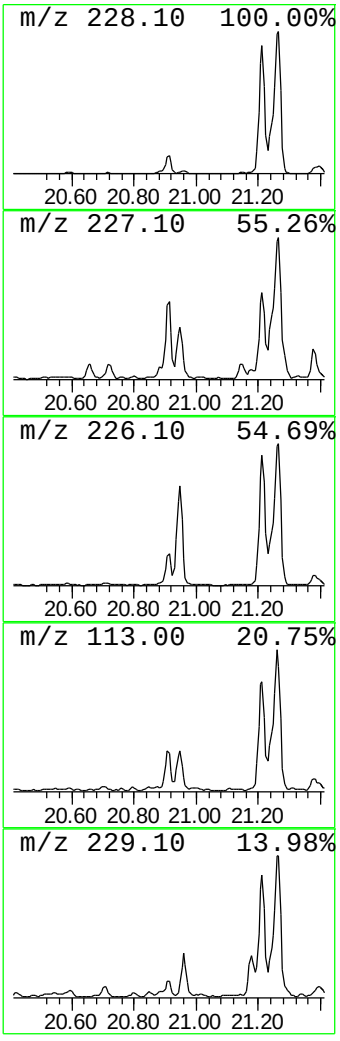
Peak Number 18 Benzo[c]phenanthrene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.91	2.15 ng/ul	643912	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	58
2	Benz[a]anthracene	228	C18H12	000056-55-3	50
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49
4	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	47
5	Triphenylene	228	C18H12	000217-59-4	43





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Sample : L3424-10 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S83

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Quant Title : SVOA CALIBRATION

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

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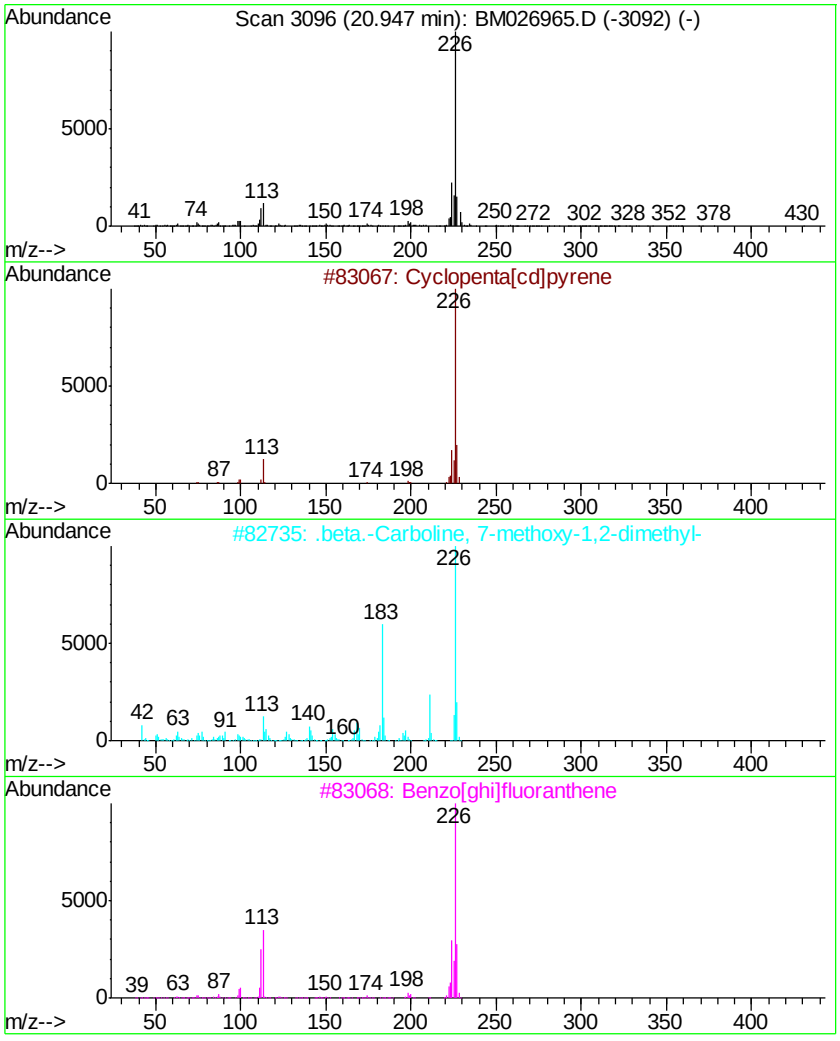
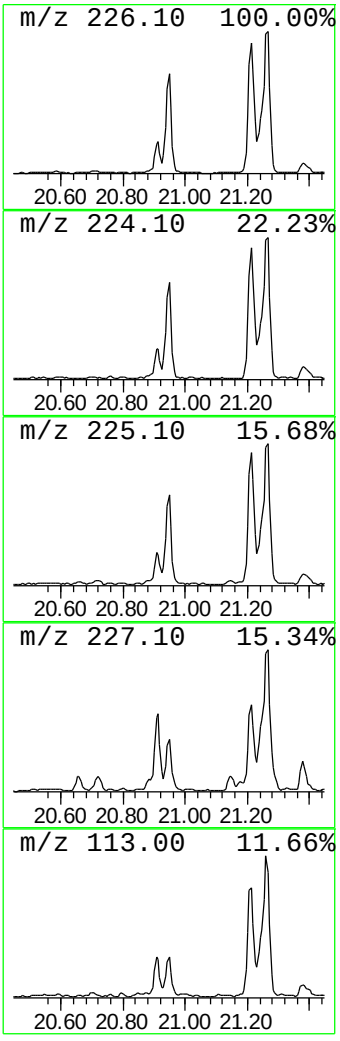
Peak Number 19 Cyclopenta[cd]pyrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.95	3.37 ng/ul	1010590	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	62
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	53
3	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	37
4	1,8-Diazacyclotetradecane-2,7-dione	226	C12H22N2O2	004266-66-4	37
5	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	36





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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S83

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Quant Title : SVOA CALIBRATION

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

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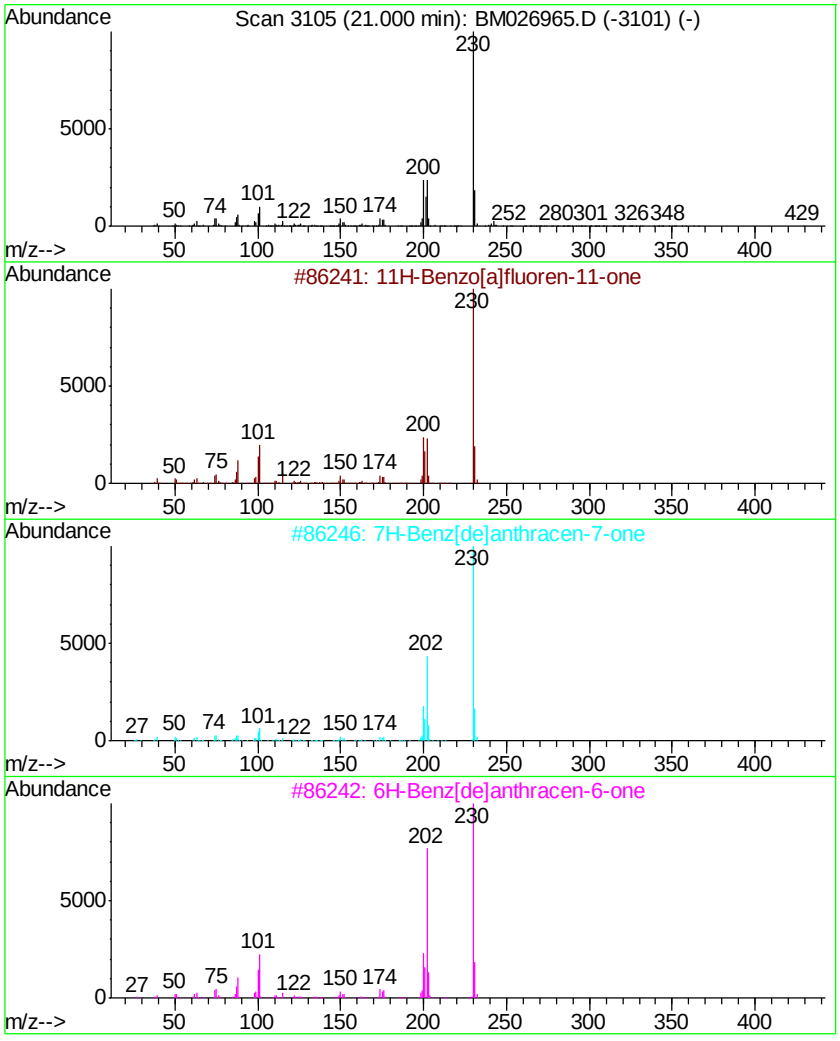
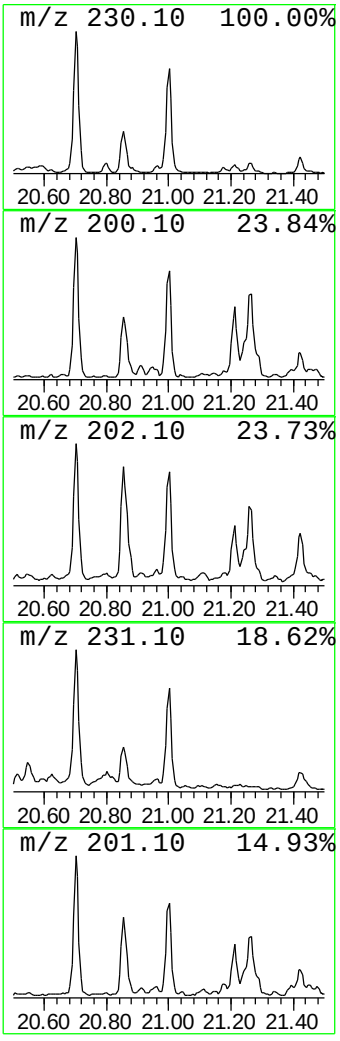
Peak Number 20 7H-Benz[de]anthracen-7-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.00	3.49 ng/ul	1045110	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	68
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	59
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	59





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Sample : L3424-10 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S83

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Quant Title : SVOA CALIBRATION

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

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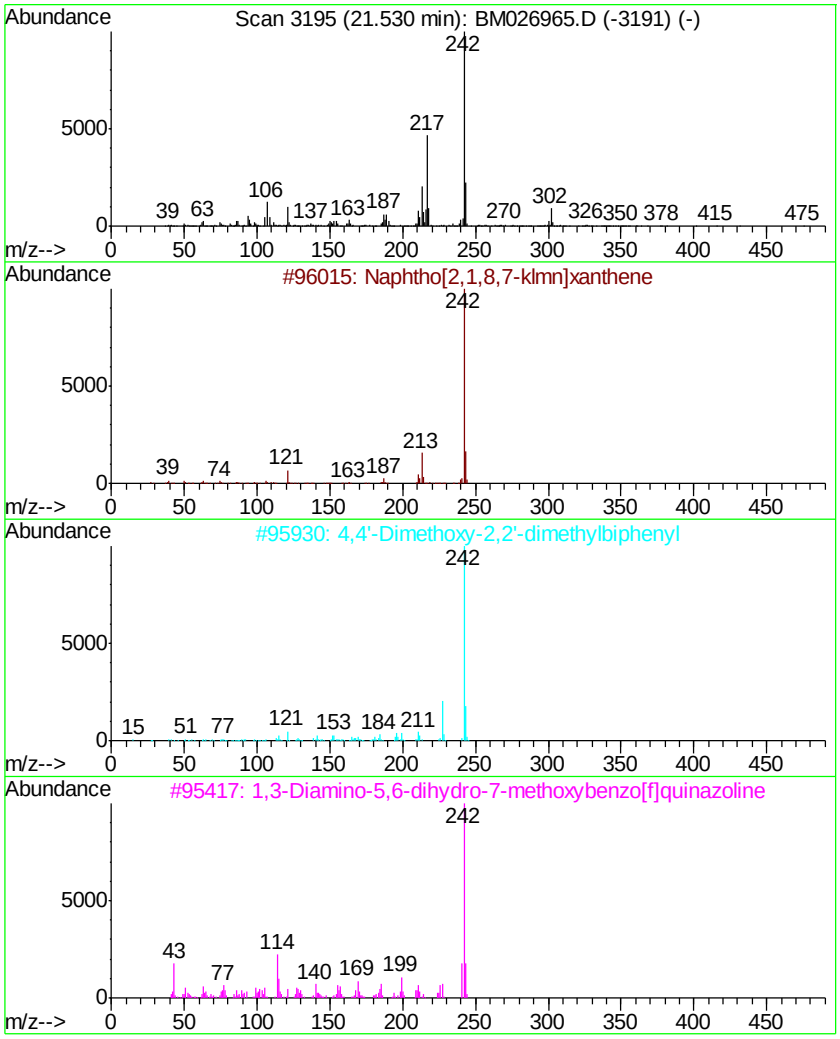
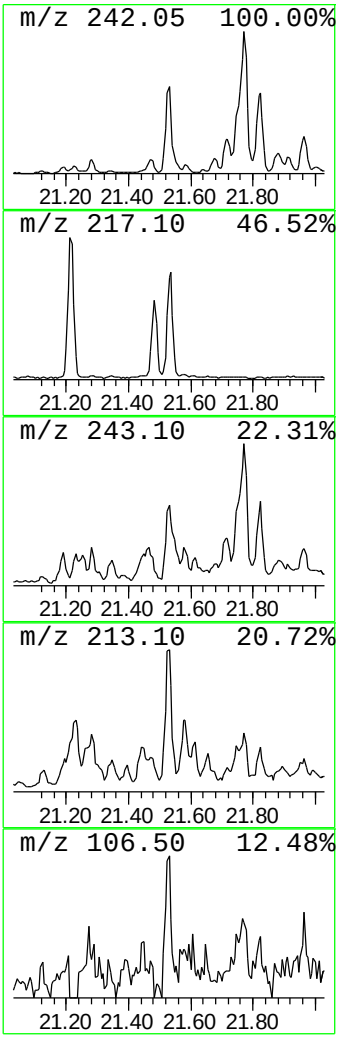
Peak Number 21 Naphtho[2,1,8,7-klmn]xanthene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.53	2.04 ng/ul	611759	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1,8,7-klmn]xanthene	242	C18H10O	000191-37-7	83
2	4,4'-Dimethoxy-2,2'-dimethylbiph...	242	C16H18O2	046873-19-2	43
3	1,3-Diamino-5,6-dihydro-7-methox...	242	C13H14N4O	037436-49-0	38
4	1-Phenyl-3-m-chlorophenyl-propenone	242	C15H11ClO	1000148-13-7	38
5	2-(5-Thiophen-2-yl-1H-pyrazol-3-...	242	C13H10N2OS	1000301-11-6	38





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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S83

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Quant Title : SVOA CALIBRATION

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

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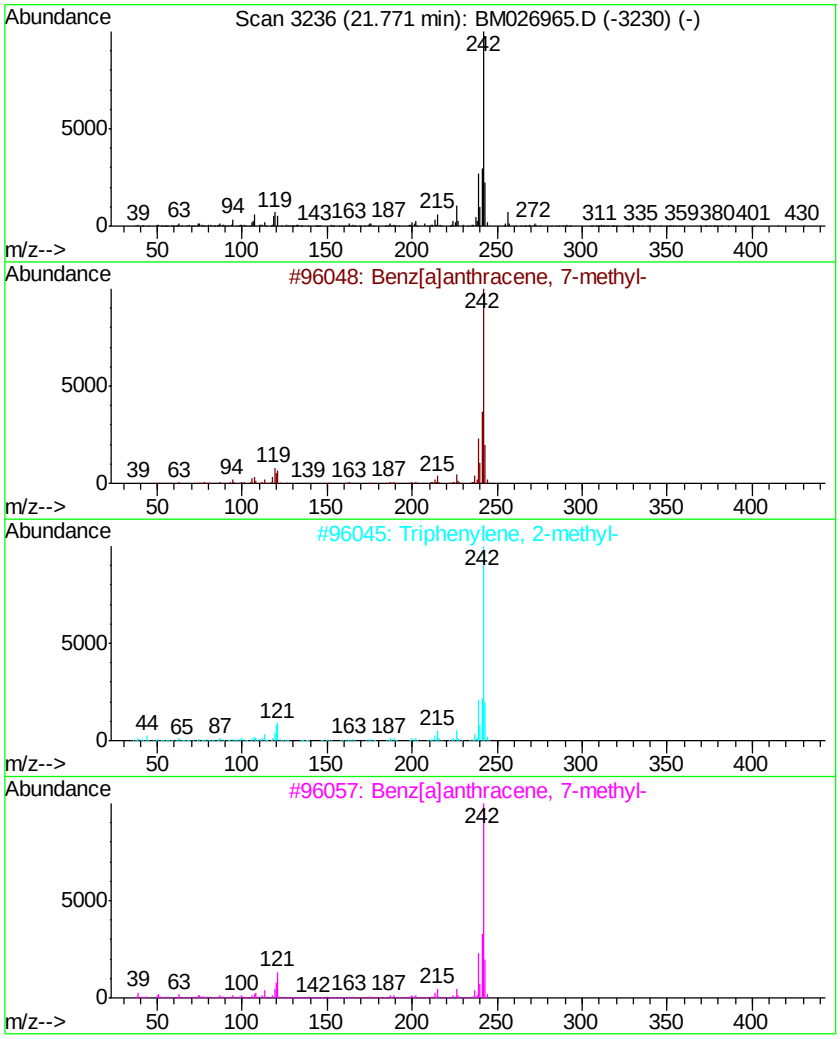
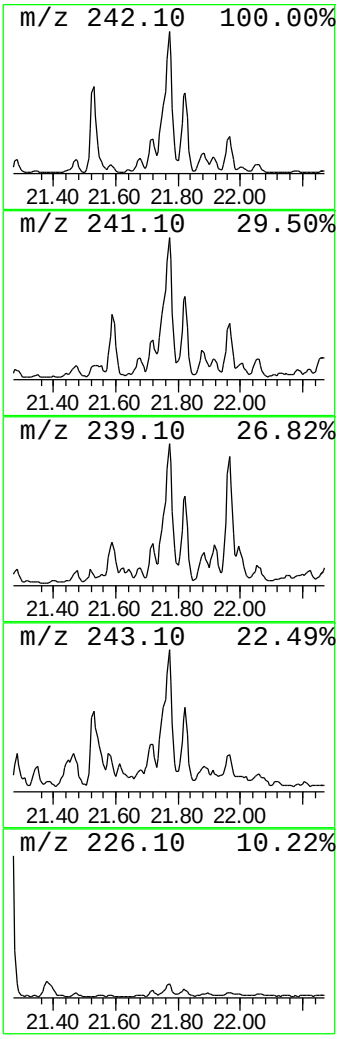
Peak Number 22 Benz[a]anthracene, 7-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.77	2.94 ng/ul	880729	Chrysene-d12	21.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	90
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	90
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	89
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	89





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Misc :
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Instrument : BNA_M
ClientSampleId : C0S83

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Quant Title : SVOA CALIBRATION

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

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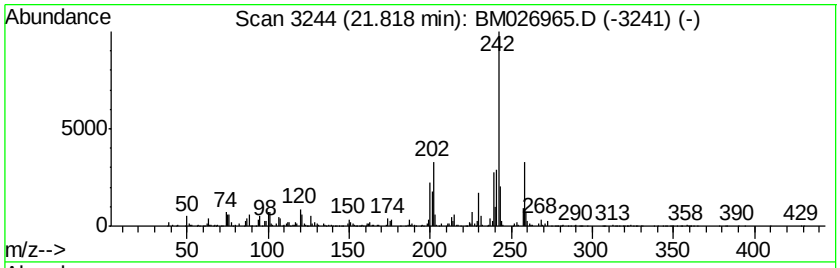
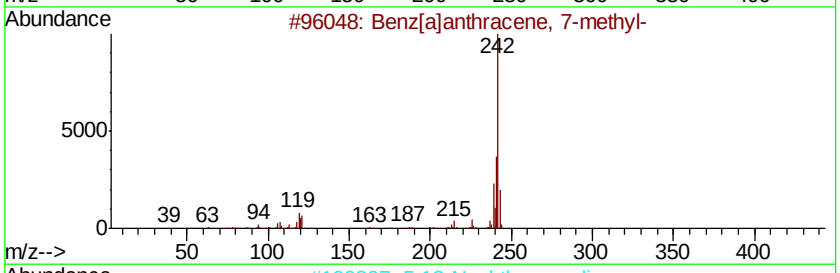
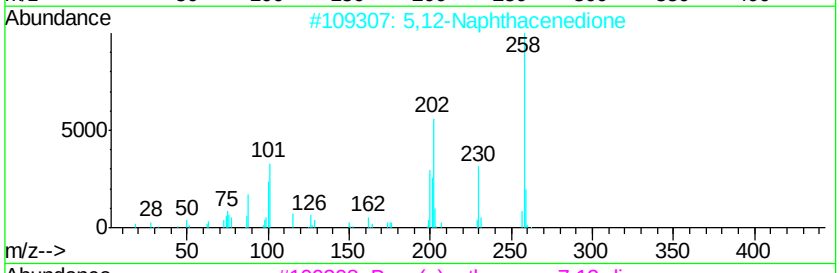
Peak Number 23 Benz(a)anthracene-7,12-dione Concentration Rank 22

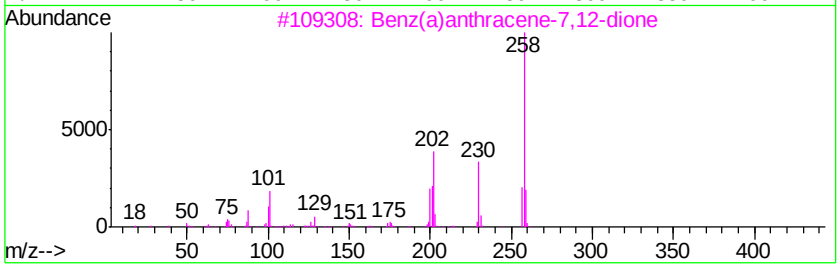
R.T.	EstConc	Area	Relative to ISTD	R.T.
21.82	2.78 ng/ul	833283	Chrysene-d12	21.22

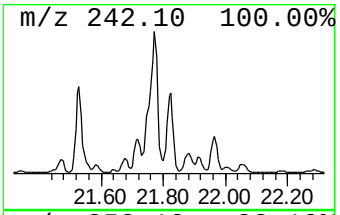
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	89
2	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	84
3	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	83
4	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	80
5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	66

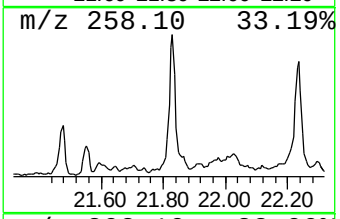


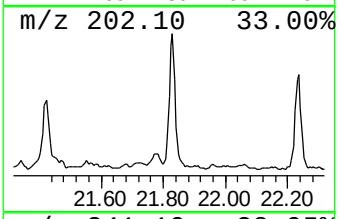


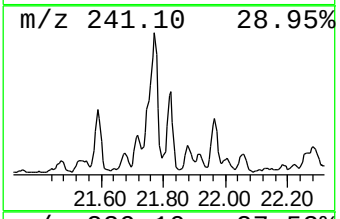


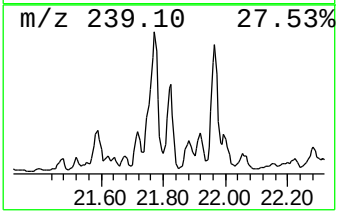












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Acq On : 31 Jul 2020 19:18
Operator : JU/CG
Sample : L3424-10 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S83

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Quant Title : SVOA CALIBRATION

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

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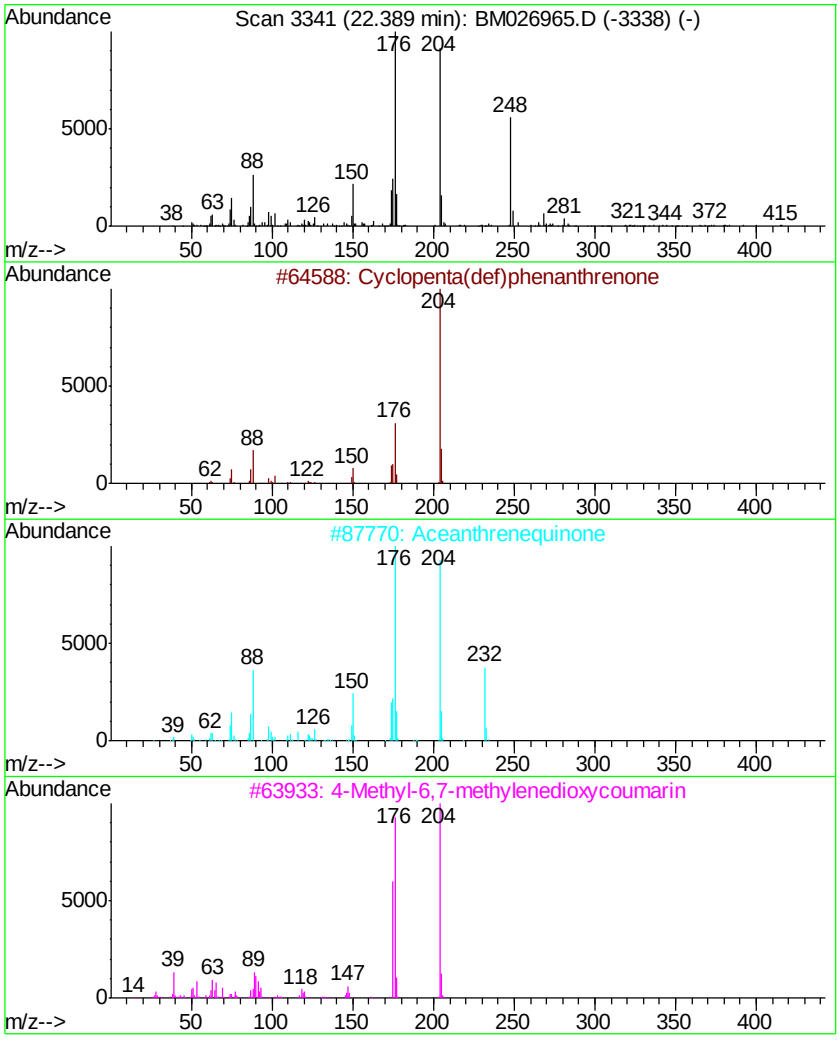
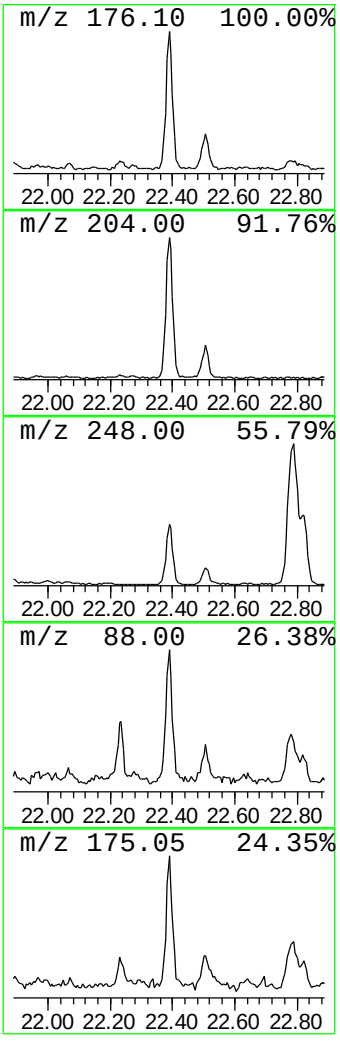
Peak Number 24 Aceanthrenequinone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.39	6.51 ng/ul	503455	Perylene-d12	23.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	72
2	Aceanthrenequinone	232	C16H8O2	006373-11-1	68
3	4-Methyl-6,7-methylenedioxycoumarin	204	C11H8O4	015071-04-2	38
4	Pyrido[4,3-d]pyrimidine-8-carbox...	248	C11H12N4O3	1000350-96-4	35
5	6-Methoxy-8-nitro-2-quinoline ca...	248	C11H8N2O5	133378-40-2	32





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Sample : L3424-10 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S83

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Quant Title : SVOA CALIBRATION

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

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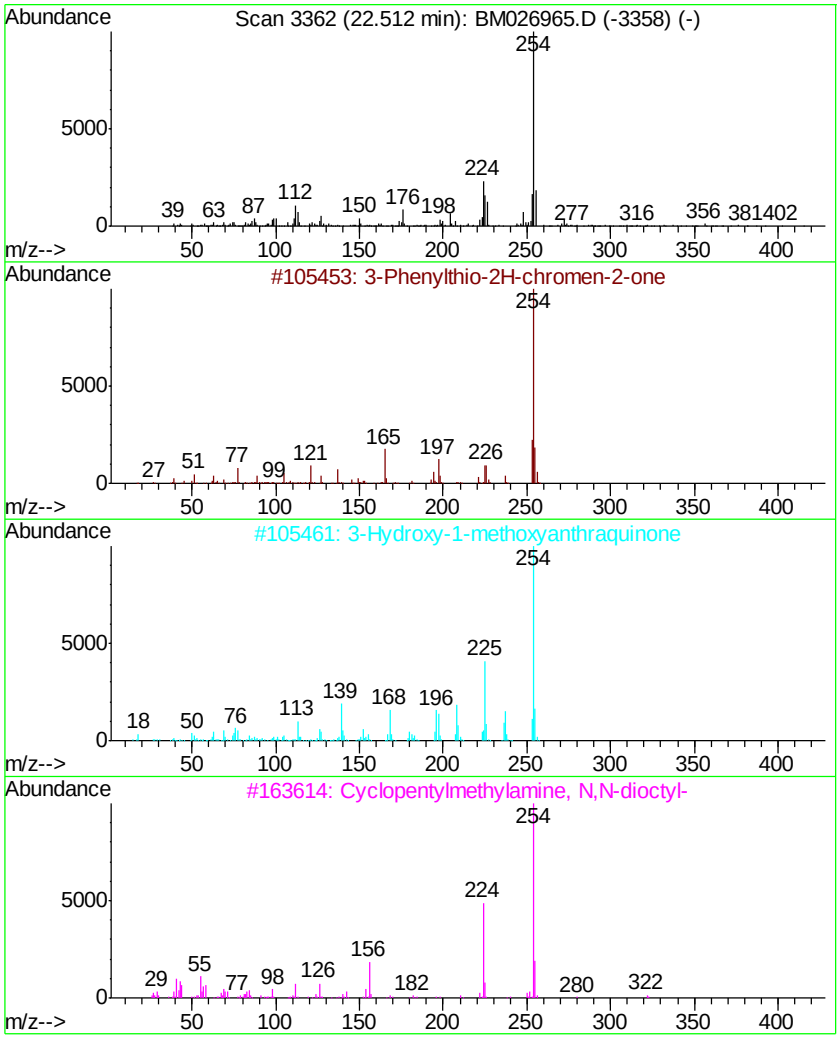
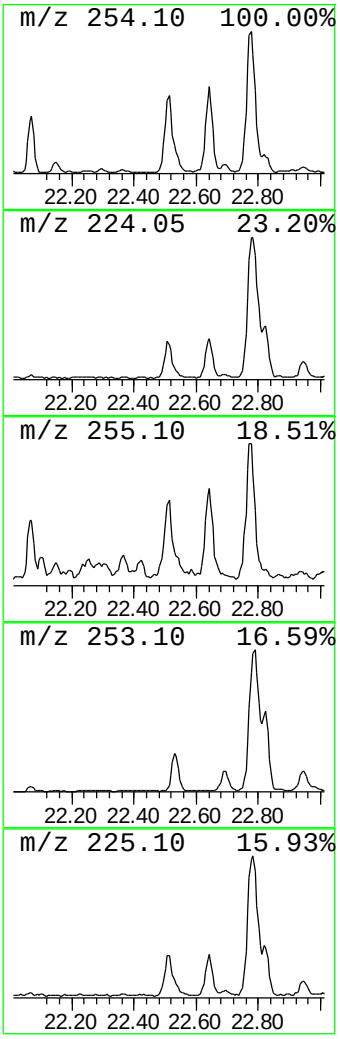
Peak Number 25 3-Phenylthio-2H-chromen-2-one Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.51	11.40 ng/ul	881296	Perylene-d12	23.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylthio-2H-chromen-2-one	254	C15H10O2S	072167-95-4	53
2	3-Hydroxy-1-methoxyanthraquinone	254	C15H10O4	028504-24-7	53
3	Cyclopentylmethylamine, N,N-dioc...	323	C22H45N	1000310-50-1	53
4	Phenanthrene, 2-phenyl-	254	C20H14	004325-77-3	52
5	5,8-Dimethoxy-1,4-dihydro-2,3-qu...	254	C10H10N2O2S2	001790-96-1	50





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Data File : BM026965.D
Acq On : 31 Jul 2020 19:18
Operator : JU/CG
Sample : L3424-10 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S83

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION

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

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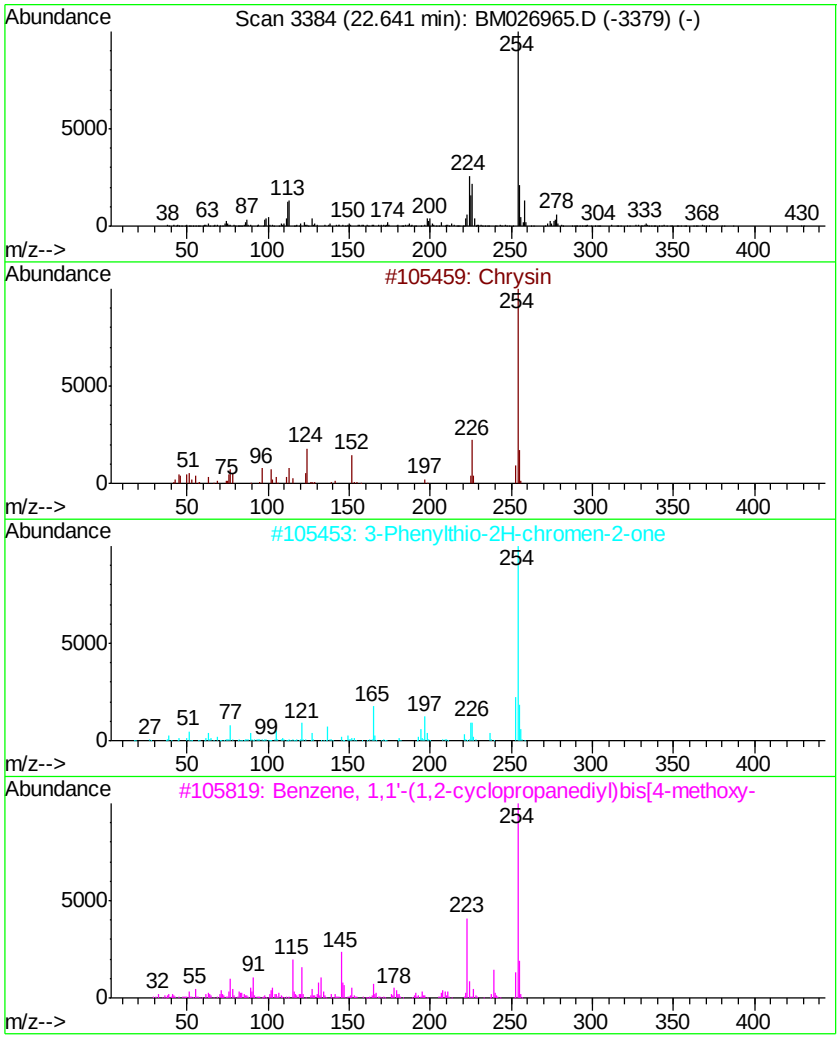
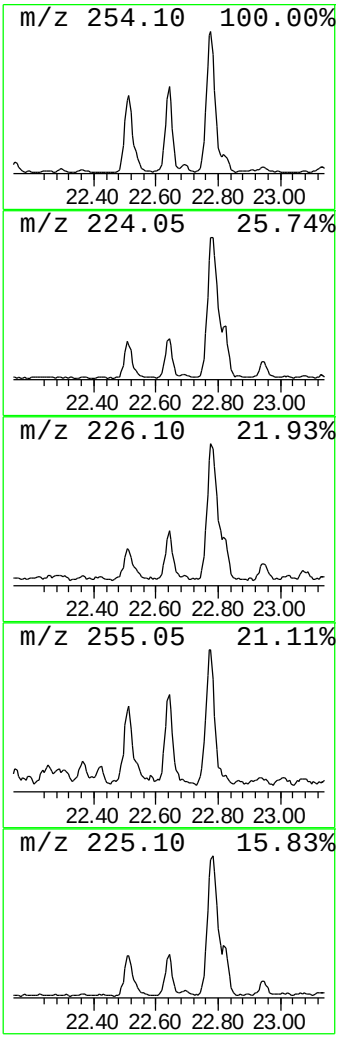
Peak Number 26 Chrysin Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.64	6.36 ng/ul	492141	Perylene-d12	23.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysin	254	C15H10O4	000480-40-0	50
2	3-Phenylthio-2H-chromen-2-one	254	C15H10O2S	072167-95-4	50
3	Benzene, 1,1'-(1,2-cyclopropaned...	254	C17H18O2	1000327-36-3	47
4	Chrysin	254	C15H10O4	000480-40-0	47
5	Phenanthrene, 2-phenyl-	254	C20H14	004325-77-3	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
Data File : BM026965.D
Acq On : 31 Jul 2020 19:18
Operator : JU/CG
Sample : L3424-10 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S83

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION

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

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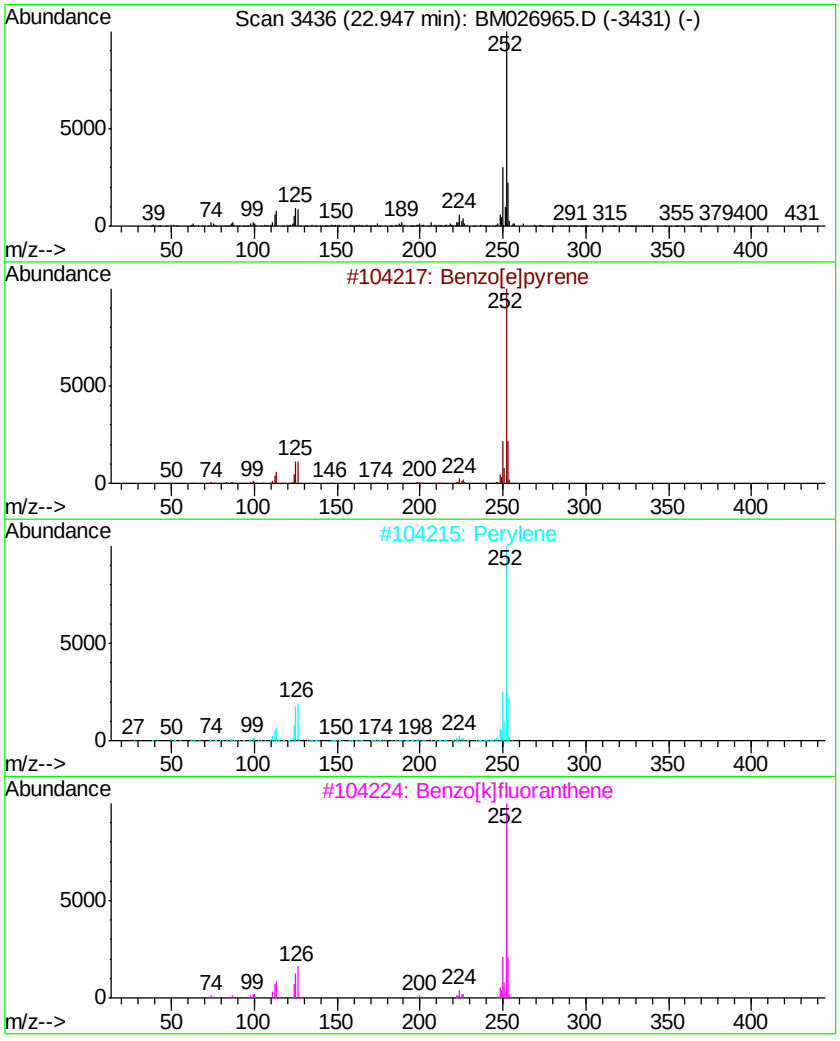
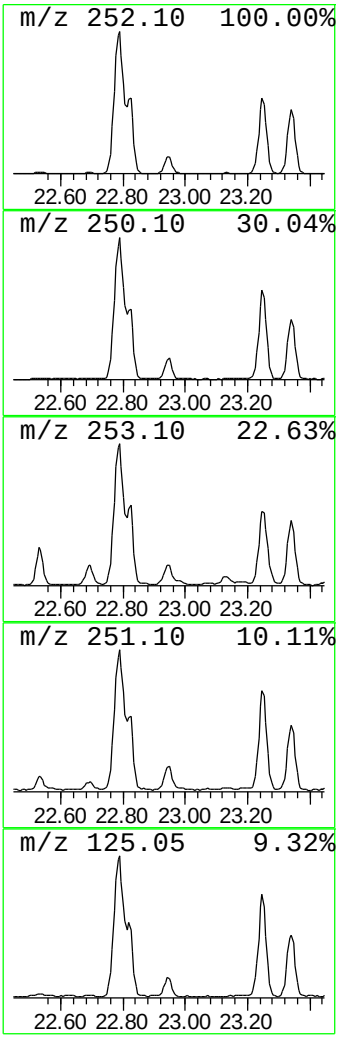
Peak Number 27 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.95	7.96 ng/ul	615235	Perylene-d12	23.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Perylene	252	C20H12	000198-55-0	94
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM073120\
Data File : BM026965.D
Acq On : 31 Jul 2020 19:18
Operator : JU/CG
Sample : L3424-10 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S83

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.M
Quant Title : SVOA CALIBRATION

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

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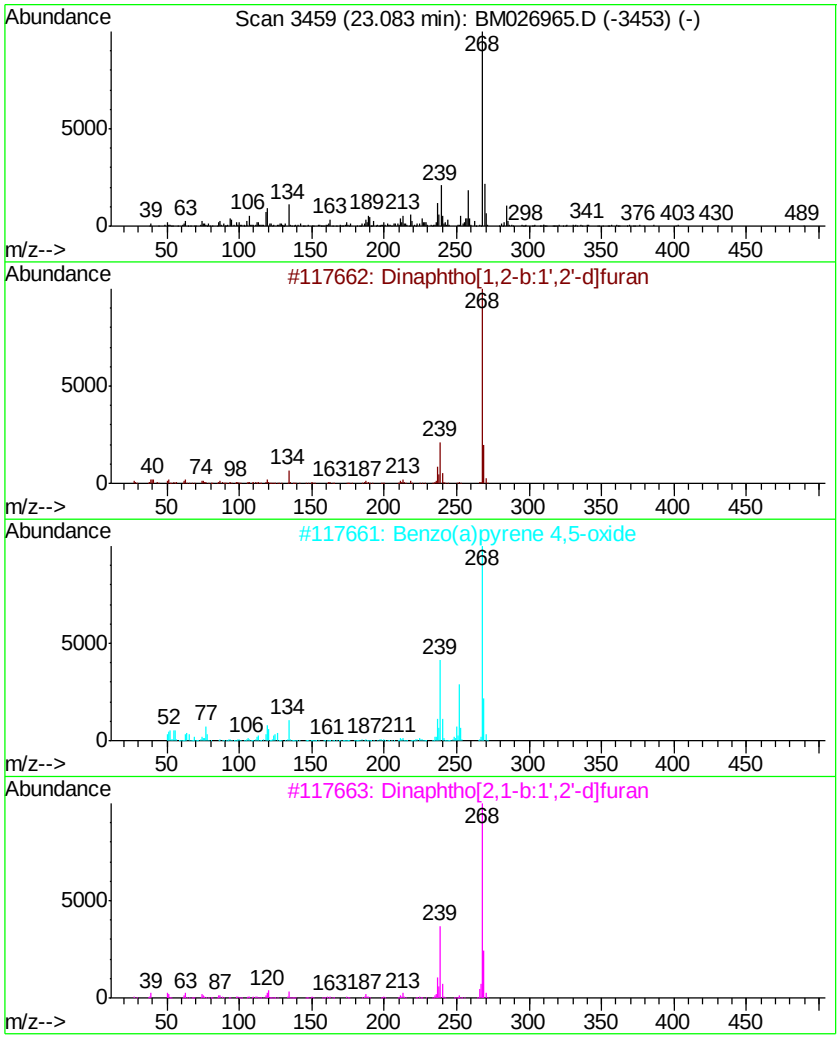
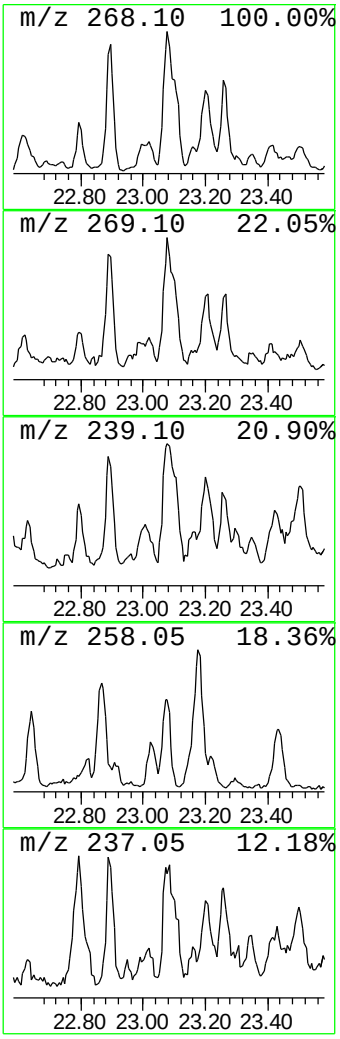
Peak Number 28 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.08	7.85 ng/ul	607254	Perylene-d12	23.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	94
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	72
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	68
4	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	62
5	9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM073120\
Data File : BM026965.D
Acq On : 31 Jul 2020 19:18
Operator : JU/CG
Sample : L3424-10 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0S83

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072720MA.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
(DEL) Alkane: Cyc...	2.90	6.1	ng/ul	209973	1	7.66	685349	20.0
Butane, 2-methoxy...	2.98	20.5	ng/ul	703279	1	7.66	685349	20.0
Anthracene, 1-met...	17.91	3.1	ng/ul	220581	4	17.04	1401400	20.0
Phenanthrene, 2-m...	17.95	5.9	ng/ul	411981	4	17.04	1401400	20.0
Phenanthrene, 1-m...	18.04	2.2	ng/ul	154799	4	17.04	1401400	20.0
4H-Cyclopenta[def...	18.10	6.8	ng/ul	478086	4	17.04	1401400	20.0
1H-Cyclopropa[l]p...	18.14	2.2	ng/ul	155417	4	17.04	1401400	20.0
Naphthalene, 2-ph...	18.41	3.4	ng/ul	237257	4	17.04	1401400	20.0
9,10-Anthracenedione	18.45	6.5	ng/ul	457609	4	17.04	1401400	20.0
di-p-Tolylacetylene	18.84	5.0	ng/ul	349354	4	17.04	1401400	20.0
Phenanthrene, 3,6...	18.89	2.4	ng/ul	164629	4	17.04	1401400	20.0
Cyclopenta(def)ph...	18.97	10.0	ng/ul	701736	4	17.04	1401400	20.0
11H-Benzo[b]fluorene	19.79	3.1	ng/ul	916618	5	21.22	5990300	20.0
Pyrene, 1-methyl-	19.92	2.5	ng/ul	746568	5	21.22	5990300	20.0
Pyrene, 2-methyl-	20.11	3.2	ng/ul	967299	5	21.22	5990300	20.0
11H-Benzo[a]fluor...	20.70	4.1	ng/ul	1223890	5	21.22	5990300	20.0
Benzo[b]naphtho[2...	20.87	3.7	ng/ul	1106100	5	21.22	5990300	20.0
Benzo[c]phenanthrene	20.91	2.1	ng/ul	643912	5	21.22	5990300	20.0
Cyclopenta[cd]pyrene	20.95	3.4	ng/ul	1010590	5	21.22	5990300	20.0
7H-Benz[de]anthra...	21.00	3.5	ng/ul	1045110	5	21.22	5990300	20.0
Naphtho[2,1,8,7-k...	21.53	2.0	ng/ul	611759	5	21.22	5990300	20.0
Benz[a]anthracene...	21.77	2.9	ng/ul	880729	5	21.22	5990300	20.0
Benz(a)anthracene...	21.82	2.8	ng/ul	833283	5	21.22	5990300	20.0
Aceanthrenequinone	22.39	6.5	ng/ul	503455	6	23.44	1546520	20.0
3-Phenylthio-2H-c...	22.51	11.4	ng/ul	881296	6	23.44	1546520	20.0
Chrysin	22.64	6.4	ng/ul	492141	6	23.44	1546520	20.0
Benzo[e]pyrene	22.95	8.0	ng/ul	615235	6	23.44	1546520	20.0
Dinaphtho[1,2-b:1...	23.08	7.8	ng/ul	607254	6	23.44	1546520	20.0