LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020361.D
Acq On : 17 May 2019 12:46
Operator : JU/SJ
Sample : K2604-18DL 20X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ89DL

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	7.733	801	807	820	rBV	205981	354347	13.35%	1.486%
2	8.269	894	898	904	rBV3	6487	11365	0.43%	0.048%
3	8.916	1005	1008	1013	rVB2	3492	4482	0.17%	0.019%
4	10.527	1275	1282	1295	rBV	258948	463938	17.48%	1.945%
5	12.039	1532	1539	1541	rBV2	2980	5235	0.20%	0.022%
6	13.804	1833	1839	1842	rBV	12991	19459	0.73%	0.082%
7	13.839	1842	1845	1852	rVB2	16078	26429	1.00%	0.111%
8	14.104	1880	1890	1902	rBV2	127671	227122	8.56%	0.952%
9	14.386	1932	1938	1947	rBV2	421985	643876	24.26%	2.699%
10	14.992	2037	2041	2045	rBV5	3878	4944	0.19%	0.021%
11	15.256	2082	2086	2092	rBV	14398	19807	0.75%	0.083%
12	15.380	2101	2107	2112	rBV2	28320	39653	1.49%	0.166%
13	15.456	2113	2120	2125	rVV3	8487	14429	0.54%	0.060%
14	15.645	2145	2152	2156	rBV2	7091	15103	0.57%	0.063%
15	16.080	2222	2226	2228	rBV3	6374	6883	0.26%	0.029%
16	16.433	2280	2286	2287	rVV2	3918	6903	0.26%	0.029%
17	16.492	2291	2296	2299	rBV3	4120	6802	0.26%	0.029%
18	16.527	2299	2302	2307	rVB3	2693	4035	0.15%	0.017%
19	16.586	2310	2312	2316	rVB2	3725	4119	0.16%	0.017%
20	16.709	2330	2333	2338	rVB2	8225	10470	0.39%	0.044%
21	16.798	2343	2348	2352	rBV3	8325	12350	0.47%	0.052%
22	16.874	2357	2361	2366	rVV4	12562	17155	0.65%	0.072%
23	16.927	2366	2370	2373	rVV4	5731	9560	0.36%	0.040%
24	16.950	2373	2374	2382	rVB3	4545	6856	0.26%	0.029%
25	17.133	2399	2405	2410	rBV2	549342	808320	30.45%	3.389%
26	17.174	2410	2412	2417	rVB	68607	86937	3.28%	0.364%
27	17.233	2417	2422	2424	rBV	20836	27713	1.04%	0.116%
28	17.268	2424	2428	2434	rVB	73390	105423	3.97%	0.442%
29	17.533	2470	2473	2474	rBV2	4784	5354	0.20%	0.022%
30	17.568	2474	2479	2482	rBV5	3689	6601	0.25%	0.028%
31	17.615	2482	2487	2490	rBV4	21042	24570	0.93%	0.103%
32	17.650	2490	2493	2500	rVB2	30280	37825	1.43%	0.159%
33	17.721	2500	2505	2512	rVB4	20516	34754	1.31%	0.146%
34	17.827	2518	2523	2532	rBV5	17636	40723	1.53%	0.171%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020361.D
Acq On : 17 May 2019 12:46
Operator : JU/SJ
Sample : K2604-18DL 20X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ89DL

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	17.933	2536	2541	2546	rBV3	18050	31565	1.19%	0.132%
36	18.009	2549	2554	2558	rBV	66315	104306	3.93%	0.437%
37	18.056	2558	2562	2568	rVB	87733	121795	4.59%	0.511%
38	18.139	2572	2576	2581	rBV	32096	47305	1.78%	0.198%
39	18.203	2581	2587	2591	rBV2	160205	308081	11.61%	1.292%
40	18.239	2591	2593	2602	rVB	72297	94871	3.57%	0.398%
41	18.321	2602	2607	2611	rVB5	17044	34033	1.28%	0.143%
42	18.362	2611	2614	2618	rBV4	7467	12195	0.46%	0.051%
43	18.409	2618	2622	2625	rVB2	20243	25941	0.98%	0.109%
44	18.474	2629	2633	2634	rBV3	7453	9345	0.35%	0.039%
45	18.515	2634	2640	2643	rBV2	74376	120686	4.55%	0.506%
46	18.562	2644	2648	2657	rVB3	63472	107567	4.05%	0.451%
47	18.633	2658	2660	2662	rBV3	5962	6113	0.23%	0.026%
48	18.680	2666	2668	2673	rVB5	8467	9051	0.34%	0.038%
49	18.727	2673	2676	2678	rBV4	20281	26504	1.00%	0.111%
50	18.756	2678	2681	2686	rVB2	21846	30622	1.15%	0.128%
51	18.809	2686	2690	2693	rVB2	34773	39609	1.49%	0.166%
52	18.850	2693	2697	2701	rVB2	35900	44641	1.68%	0.187%
53	18.933	2705	2711	2715	rBV2	160136	278408	10.49%	1.167%
54	18.992	2715	2721	2724	rVV3	60138	103286	3.89%	0.433%
55	19.021	2724	2726	2730	rVB3	59605	67095	2.53%	0.281%
56	19.080	2730	2736	2747	rBV	247147	471128	17.75%	1.975%
57	19.197	2747	2756	2762	rBV	877700	1220075	45.97%	5.115%
58	19.256	2762	2766	2770	rBV2	45654	62848	2.37%	0.263%
59	19.297	2770	2773	2777	rVB3	36839	51590	1.94%	0.216%
60	19.350	2777	2782	2787	rBV	215326	284331	10.71%	1.192%
61	19.397	2787	2790	2794	rVB3	26153	33212	1.25%	0.139%
62	19.444	2794	2798	2799	rBV2	30690	36247	1.37%	0.152%
63	19.468	2799	2802	2807	rVB	86119	116726	4.40%	0.489%
64	19.562	2807	2818	2826	rBV	1610764	2450663	92.33%	10.274%
65	19.633	2826	2830	2836	rVB2	71907	105517	3.98%	0.442%
66	19.697	2836	2841	2842	rBV5	16112	24449	0.92%	0.102%
67	19.727	2842	2846	2848	rBV4	26725	35334	1.33%	0.148%
68	19.797	2854	2858	2863	rVB3	57036	77583	2.92%	0.325%
69	19.897	2868	2875	2883	rBV2	157508	387095	14.58%	1.623%
70	19.974	2884	2888	2891	rBV5	33058	48977	1.85%	0.205%
71	20.056	2891	2902	2907	rVB2	237539	689651	25.98%	2.891%

LSC Area Percent Report

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Data File : BM020361.D
Acq On : 17 May 2019 12:46
Operator : JU/SJ
Sample : K2604-18DL 20X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ89DL

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	20.121	2910	2913	2916	rBV3	34673	47433	1.79%	0.199%
73	20.162	2916	2920	2924	rBV	95024	129616	4.88%	0.543%
74	20.215	2925	2929	2933	rBV	239808	302546	11.40%	1.268%
75	20.356	2949	2953	2957	rBV	230723	312336	11.77%	1.309%
76	20.403	2957	2961	2972	rVB	235350	361199	13.61%	1.514%
77	20.568	2986	2989	2992	rBV4	28902	32087	1.21%	0.135%
78	20.615	2992	2997	2999	rBV5	31142	60663	2.29%	0.254%
79	20.721	3012	3015	3019	rBV5	25733	33396	1.26%	0.140%
80	20.809	3026	3030	3036	rVB	162919	240719	9.07%	1.009%
81	20.974	3049	3058	3062	rBV3	193228	385572	14.53%	1.616%
82	21.015	3062	3065	3068	rVV	195217	232880	8.77%	0.976%
83	21.050	3068	3071	3075	rVV	153685	210644	7.94%	0.883%
84	21.109	3076	3081	3087	rVB2	158509	267300	10.07%	1.121%
85	21.221	3097	3100	3104	rBV2	45630	68180	2.57%	0.286%
86	21.327	3111	3118	3122	rBV3	1190198	2654180	100.00%	11.127%
87	21.368	3122	3125	3135	rVB	834232	1135939	42.80%	4.762%
88	21.444	3136	3138	3143	rVB	49016	56473	2.13%	0.237%
89	21.538	3150	3154	3167	rVB	304229	455502	17.16%	1.910%
90	21.691	3177	3180	3185	rBV3	75420	109052	4.11%	0.457%
91	21.827	3200	3203	3205	rBV2	67031	71785	2.70%	0.301%
92	21.885	3206	3213	3218	rVV	245672	497459	18.74%	2.086%
93	21.938	3218	3222	3228	rVB	145837	223487	8.42%	0.937%
94	22.085	3243	3247	3249	rBV	96886	126974	4.78%	0.532%
95	22.921	3383	3389	3402	rVB2	482441	1513678	57.03%	6.346%
96	23.091	3413	3418	3427	rVB	167957	346848	13.07%	1.454%
97	23.409	3466	3472	3477	rBV	392534	723727	27.27%	3.034%
98	23.503	3483	3488	3495	rVB	527150	960194	36.18%	4.025%
99	23.603	3500	3505	3510	rVV	482701	832078	31.35%	3.488%
100	25.903	3890	3896	3906	rVB2	218835	629168	23.70%	2.638%

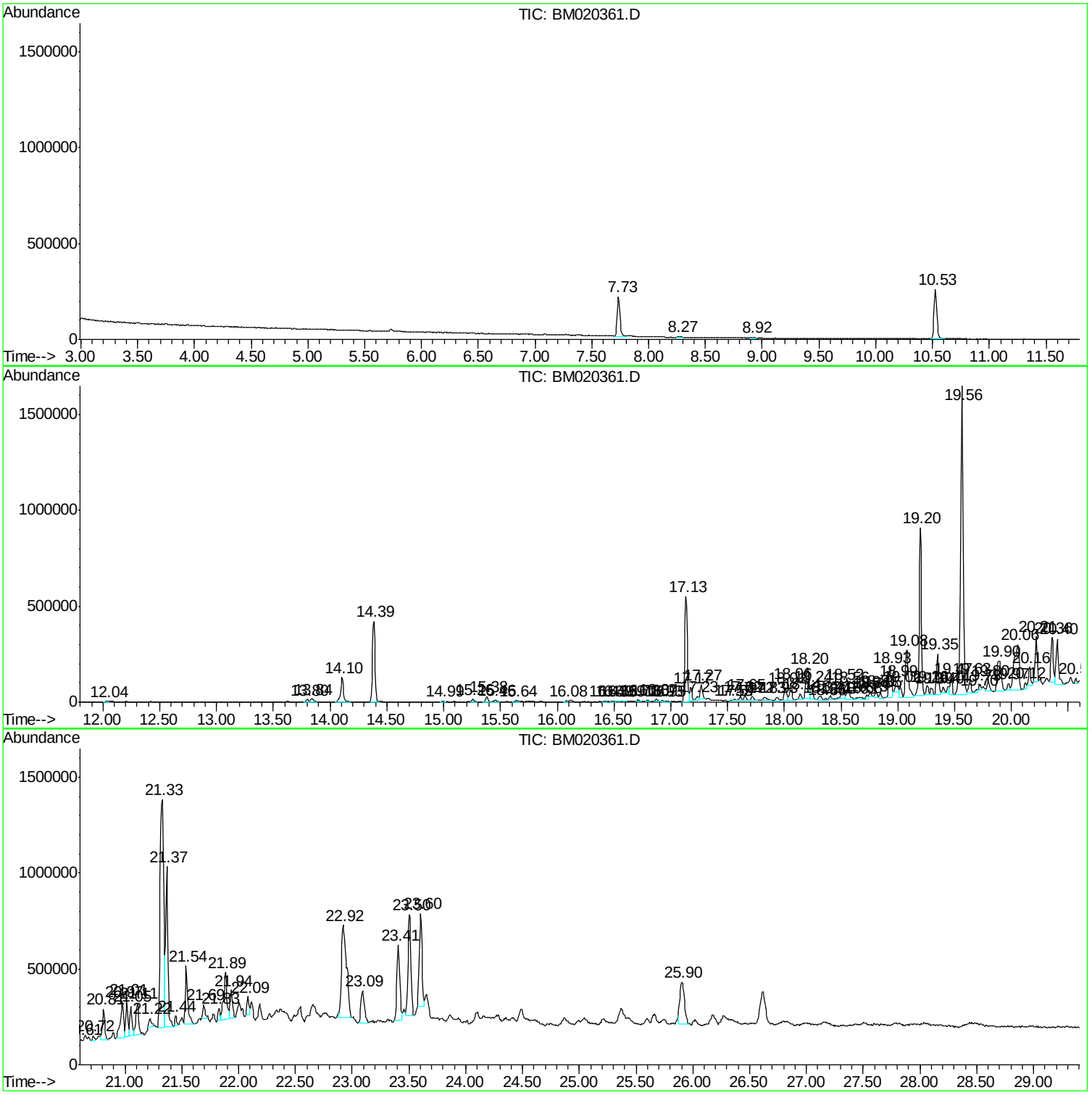
Sum of corrected areas: 23853102

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020361.D
Acq On : 17 May 2019 12:46
Operator : JU/SJ
Sample : K2604-18DL 20X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ89DL

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020361.D
Acq On : 17 May 2019 12:46
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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ89DL

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

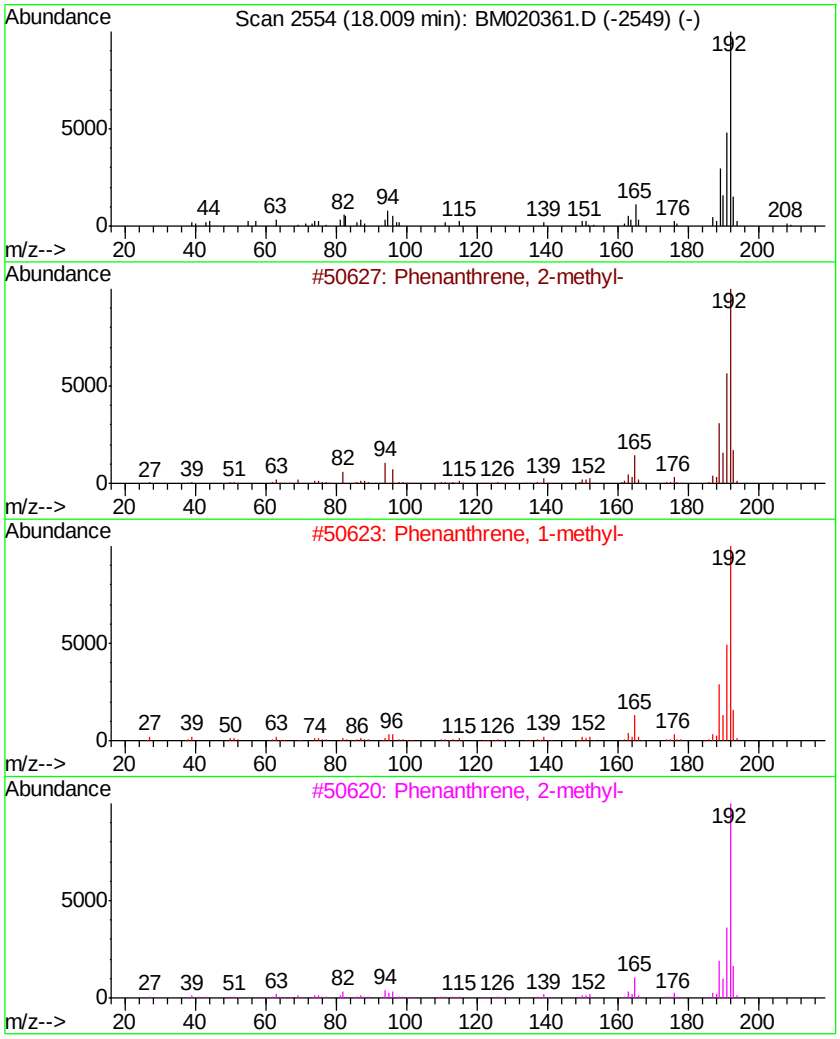
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

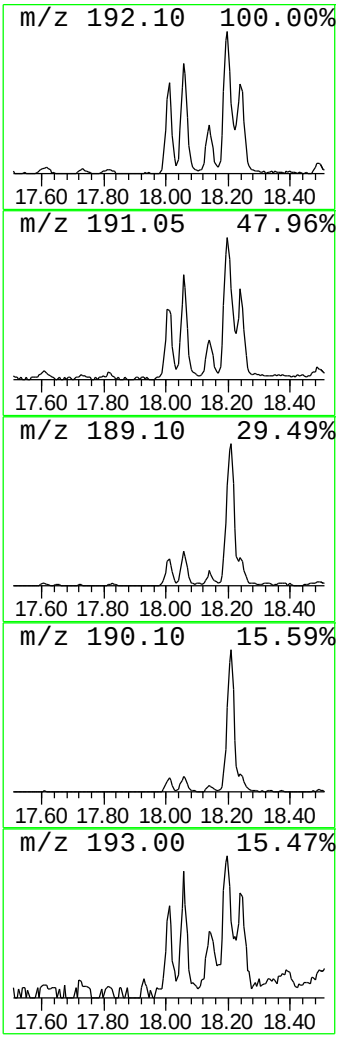
****

Peak Number 1 Phenanthrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	2.58 ng/ul	104306	Phenanthrene-d10	17.13

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





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020361.D
Acq On : 17 May 2019 12:46
Operator : JU/SJ
Sample : K2604-18DL 20X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ89DL

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

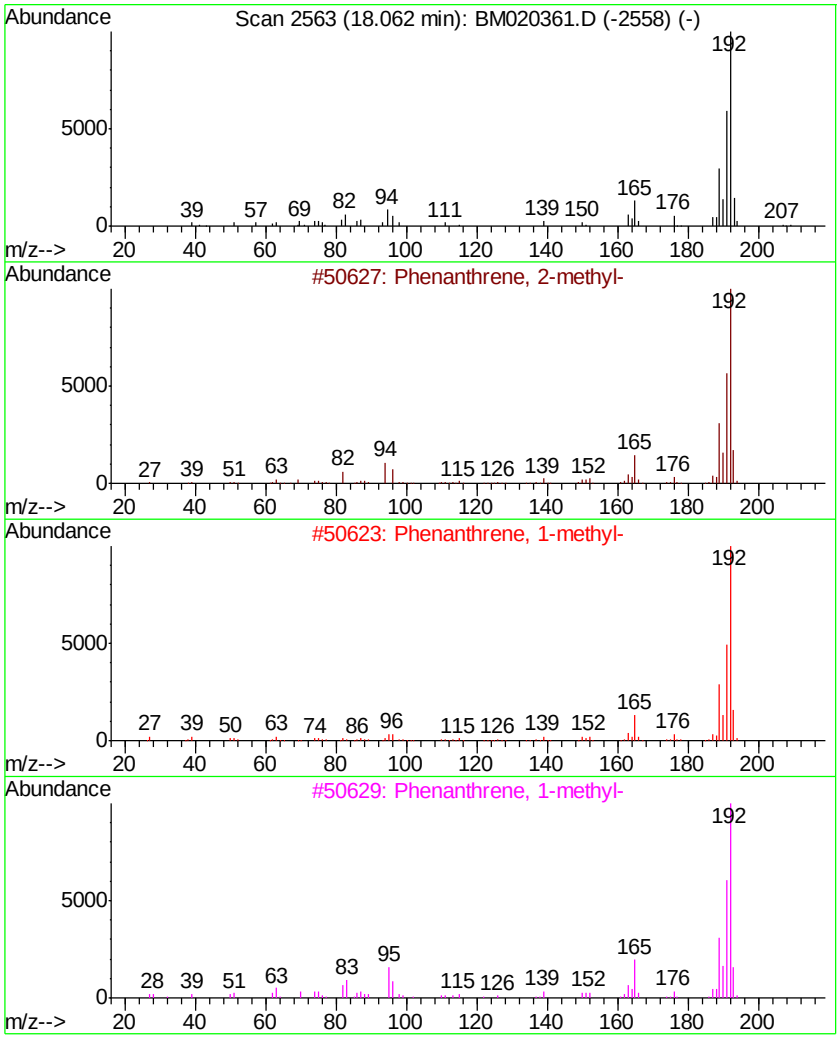
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

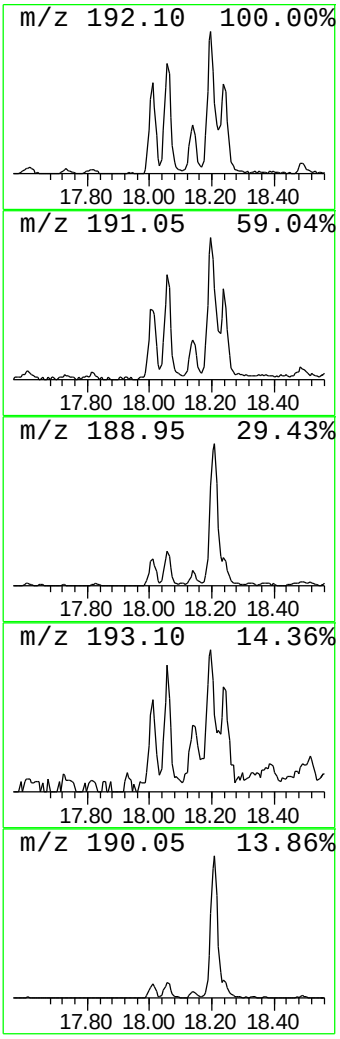
****

Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	3.01 ng/ul	121795	Phenanthrene-d10	17.13

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	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020361.D
Acq On : 17 May 2019 12:46
Operator : JU/SJ
Sample : K2604-18DL 20X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ89DL

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

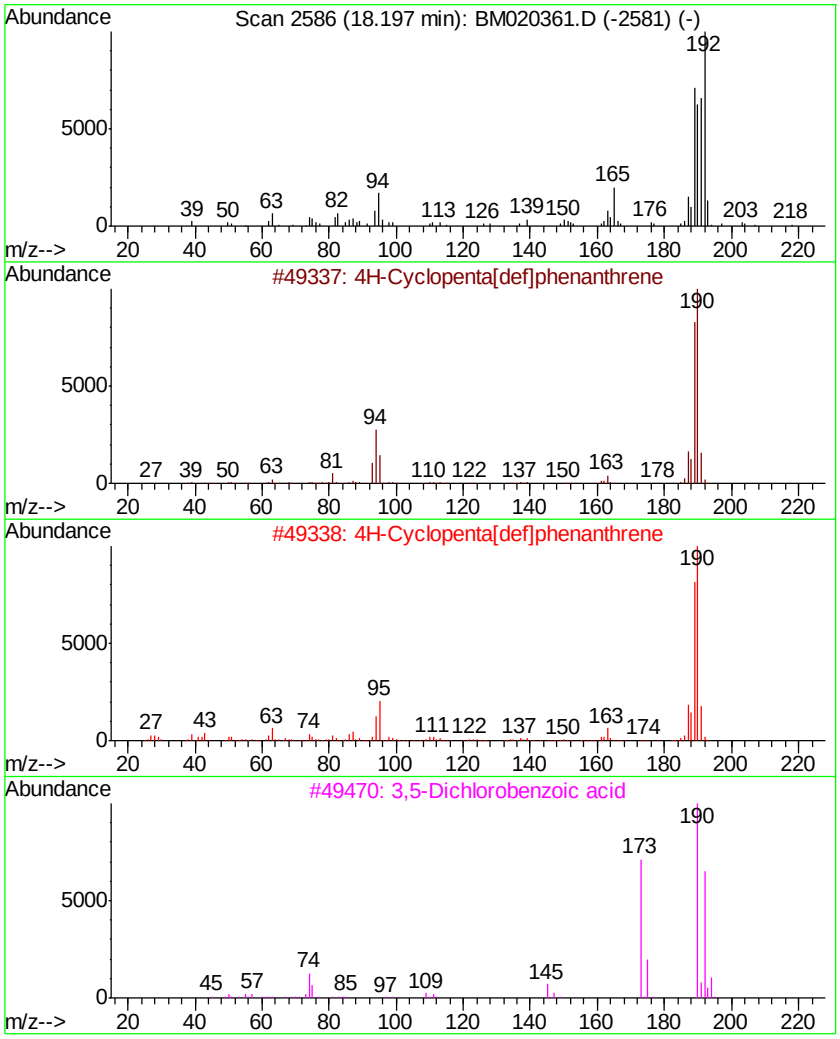
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

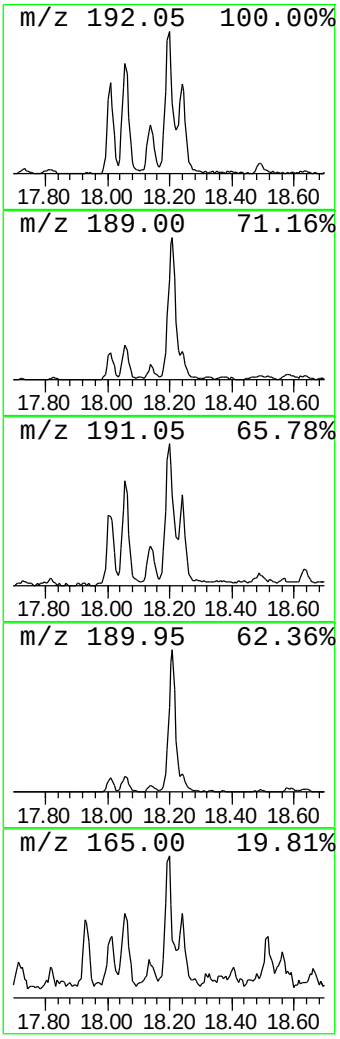
****

Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.20	7.62 ng/ul	308081	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	27
4	3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	27
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020361.D
Acq On : 17 May 2019 12:46
Operator : JU/SJ
Sample : K2604-18DL 20X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ89DL

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

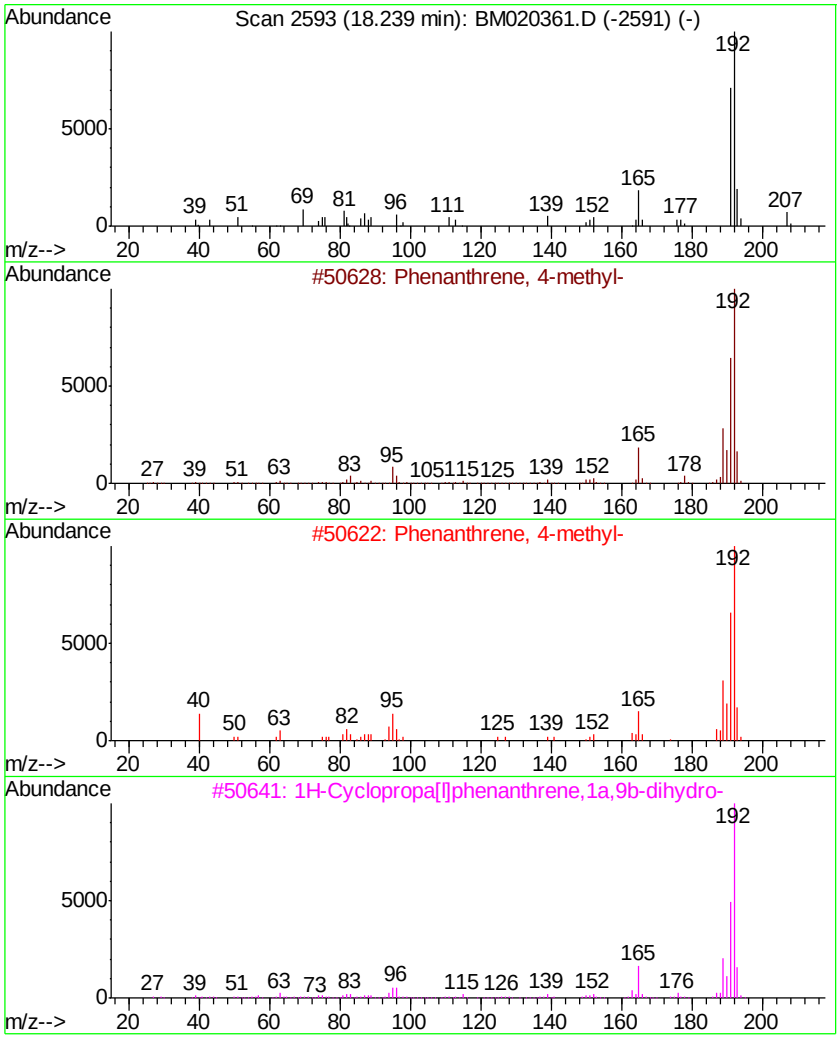
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

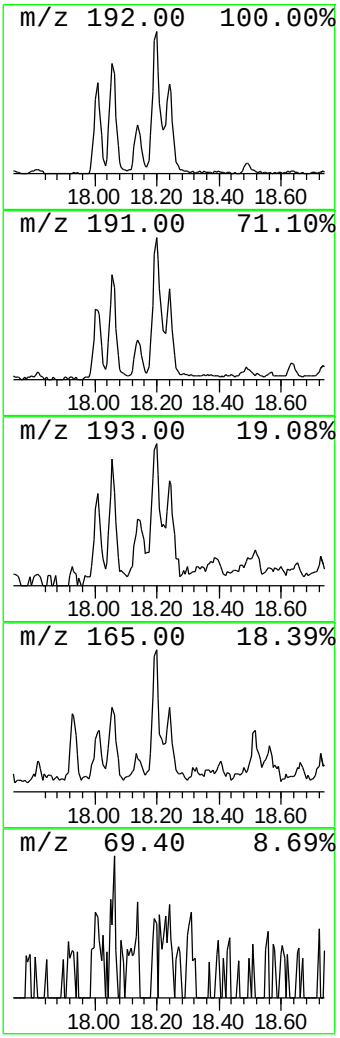
****

Peak Number 4 Phenanthrene, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	2.35 ng/ul	94871	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020361.D
Acq On : 17 May 2019 12:46
Operator : JU/SJ
Sample : K2604-18DL 20X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ89DL

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

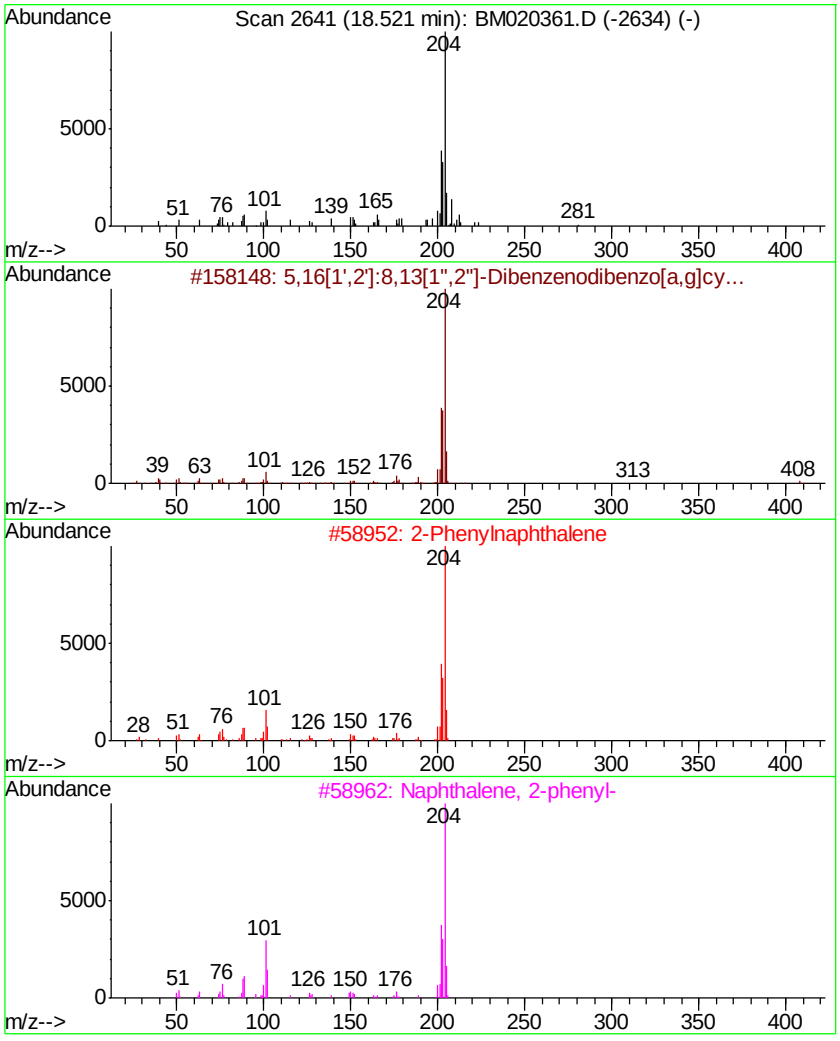
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

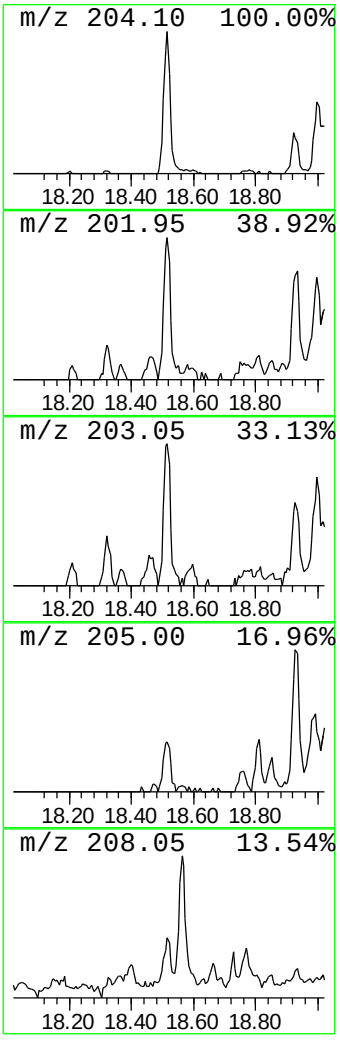
****

Peak Number 5 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	2.99 ng/ul	120686	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
2	2-Phenylnaphthalene	204	C16H12	035465-71-5	70
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62





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Acq On : 17 May 2019 12:46
Operator : JU/SJ
Sample : K2604-18DL 20X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ89DL

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Quant Title : SVOA CALIBRATION

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

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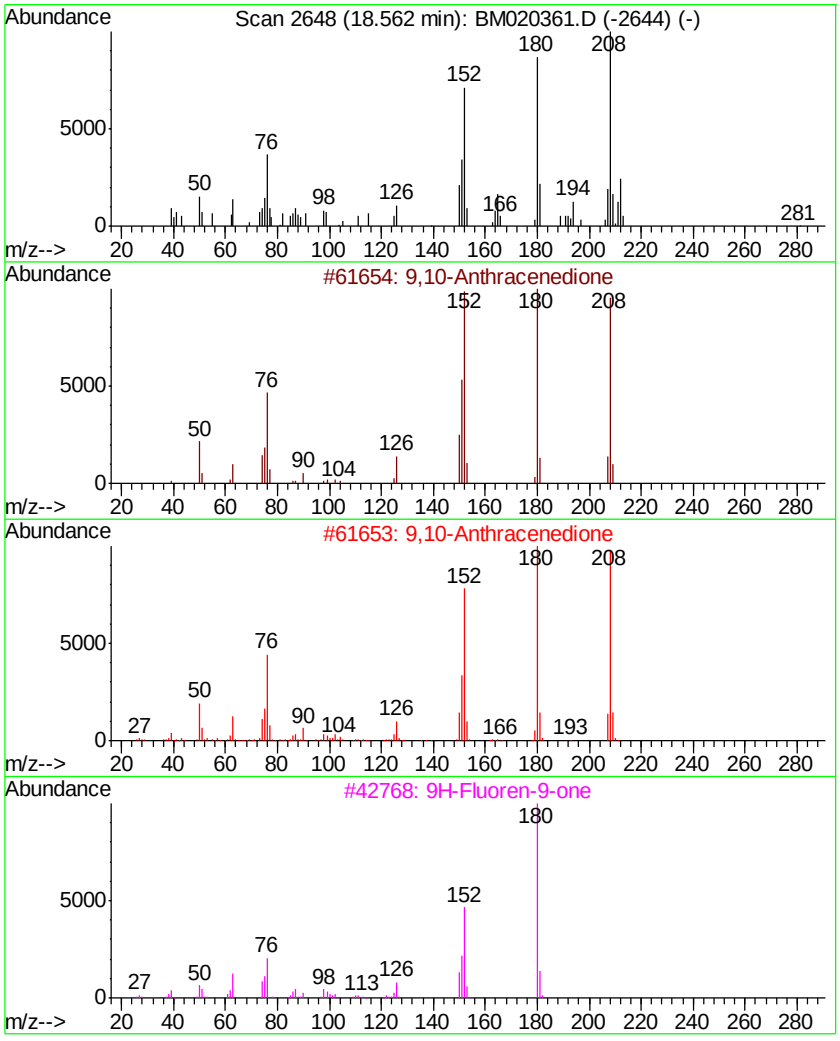
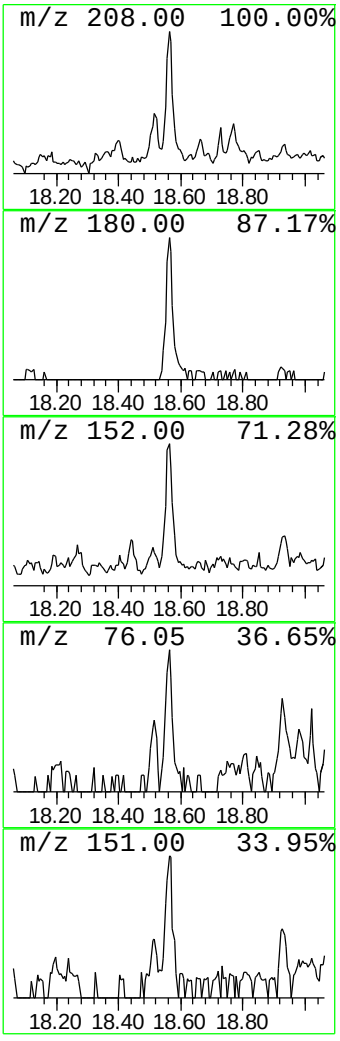
Peak Number 6 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	2.66 ng/ul	107567	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
4	9,10-Anthracenedione	208	C14H8O2	000084-65-1	81
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	49





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Instrument : BNA_M
ClientSampleId : GAJ89DL

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Quant Title : SVOA CALIBRATION

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

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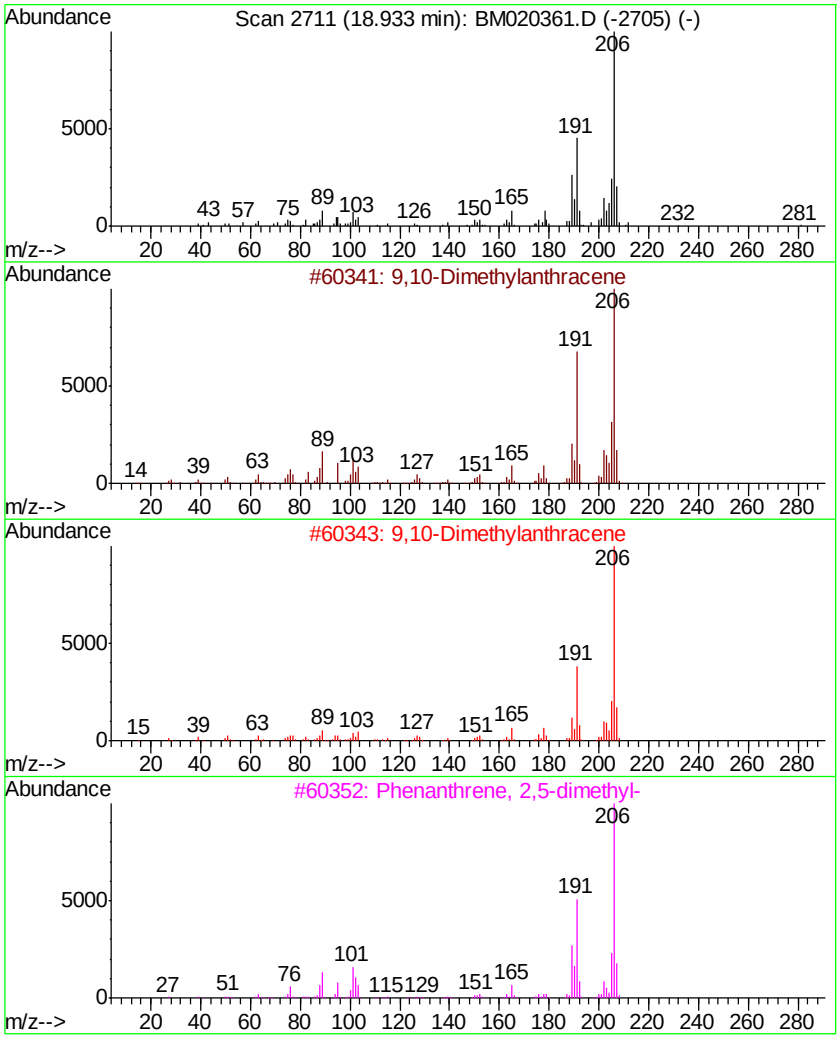
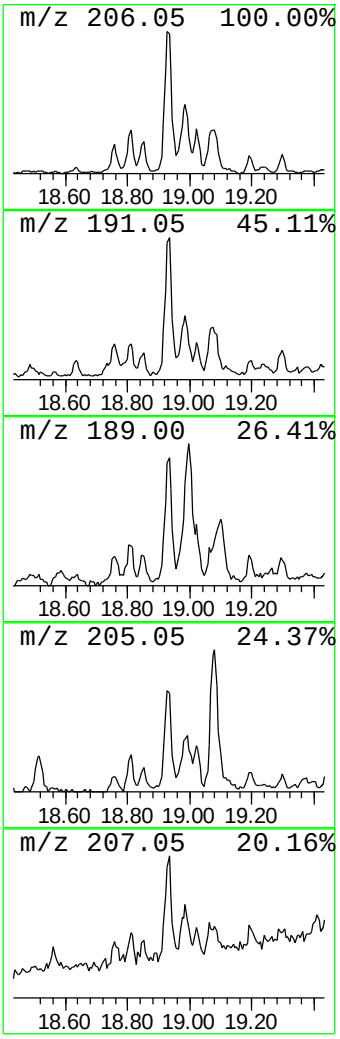
Peak Number 7 9,10-Dimethylanthracene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	6.89 ng/ul	278408	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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Instrument : BNA_M
ClientSampleId : GAJ89DL

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Quant Title : SVOA CALIBRATION

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

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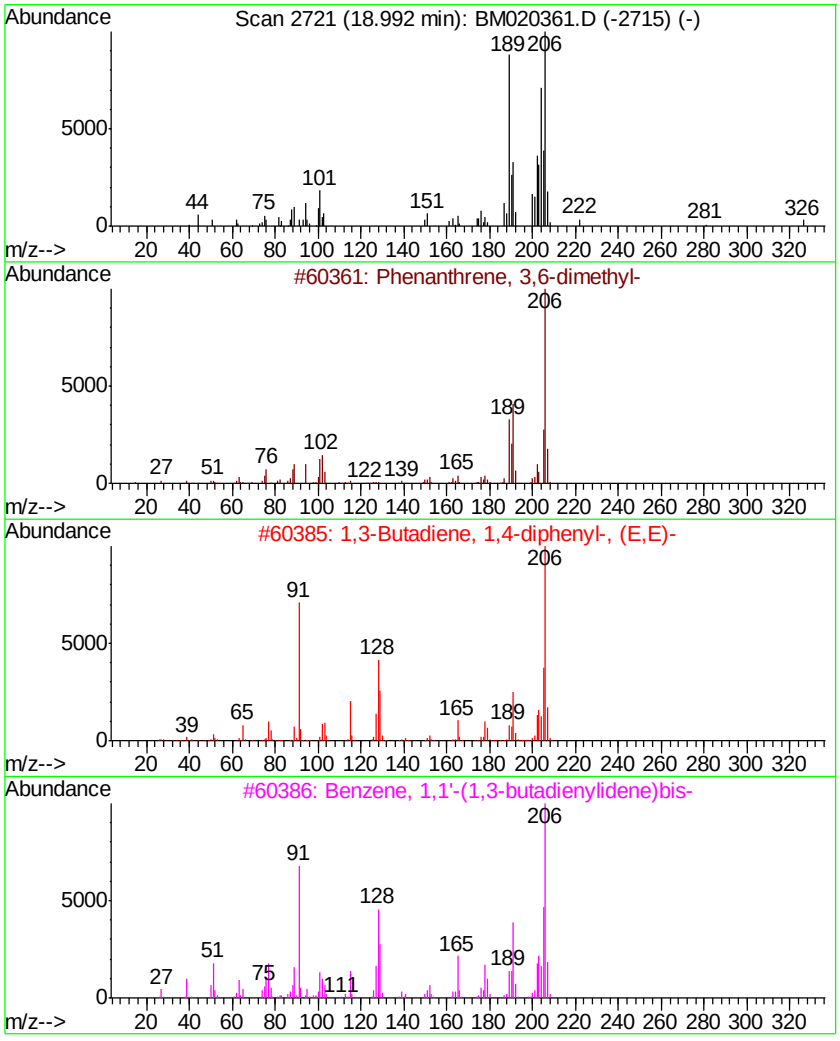
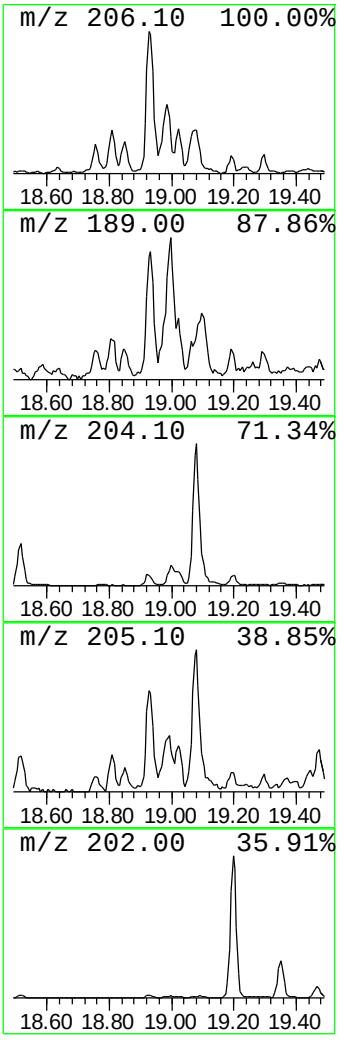
Peak Number 8 Phenanthrene, 3,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.99	2.56 ng/ul	103286	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	64
2	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	43
3	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	43
4	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	43
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	38





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ClientSampleId : GAJ89DL

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Quant Title : SVOA CALIBRATION

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

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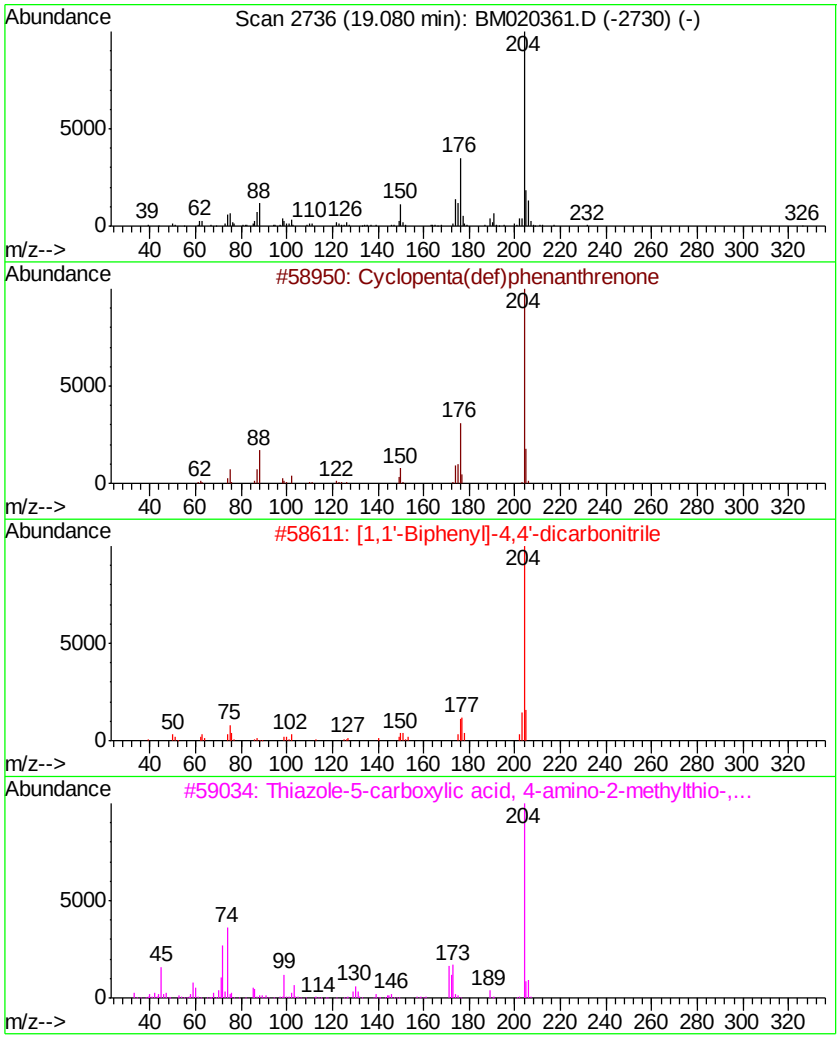
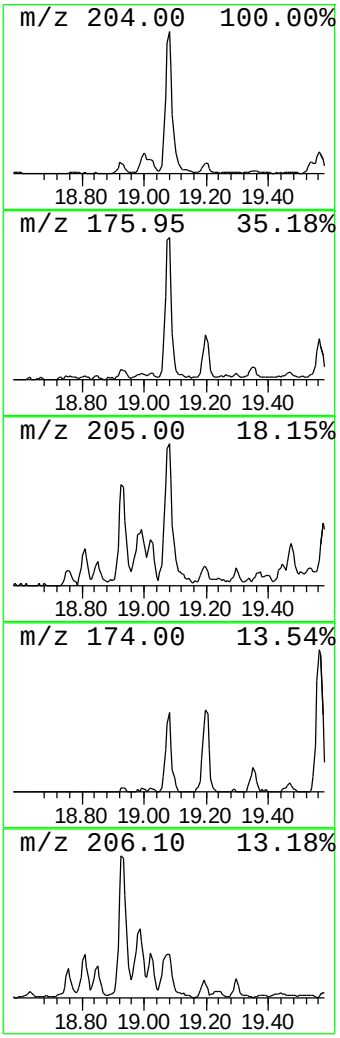
Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.08	11.66 ng/ul	471128	Phenanthrene-d10	17.13

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	50
3	Thiazole-5-carboxylic acid, 4-am...	204	C6H8N2O2S2	060093-05-2	43
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43
5	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	42





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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 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.35	2.14 ng/ul	284331	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	94
2	Fluoranthene	202	C16H10	000206-44-0	90
3	Pyrene	202	C16H10	000129-00-0	90
4	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	74
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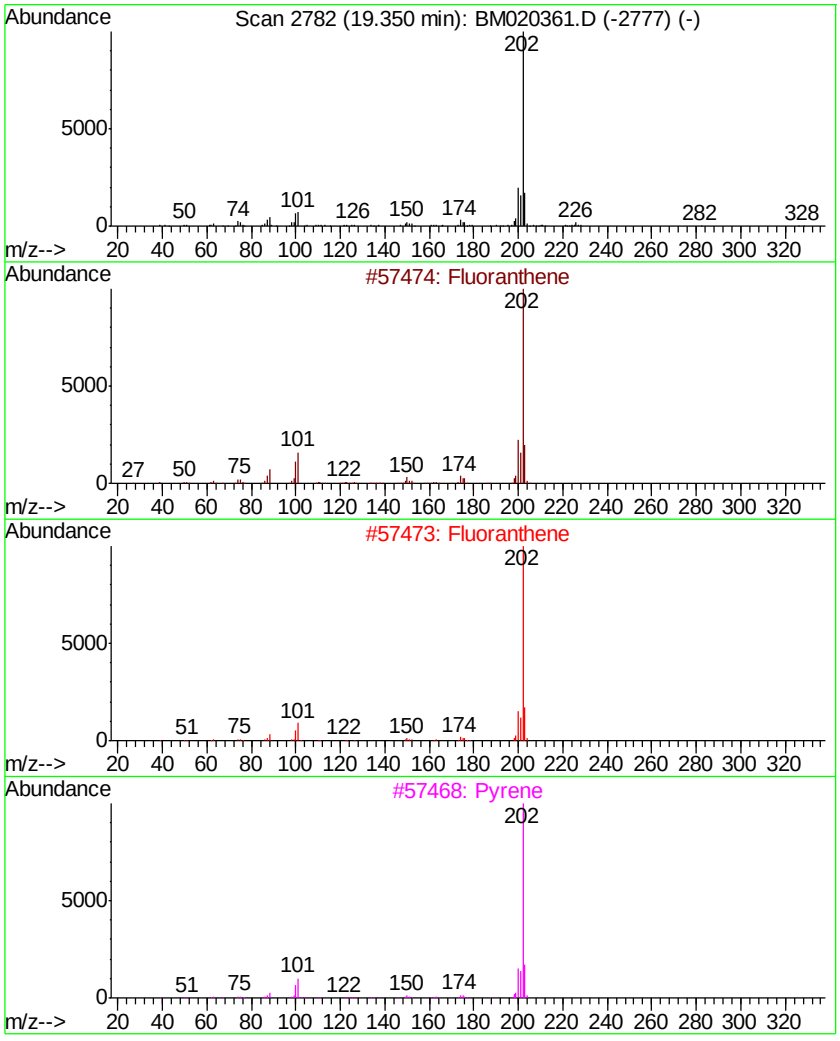

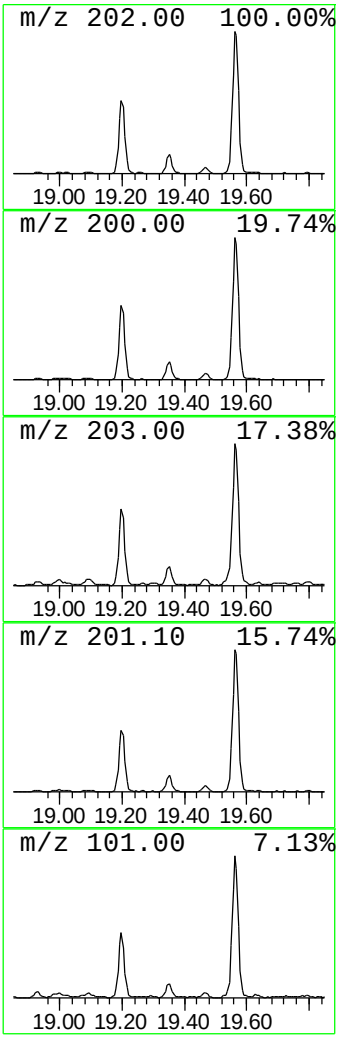

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Sample : K2604-18DL 20X
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Quant Title : SVOA CALIBRATION

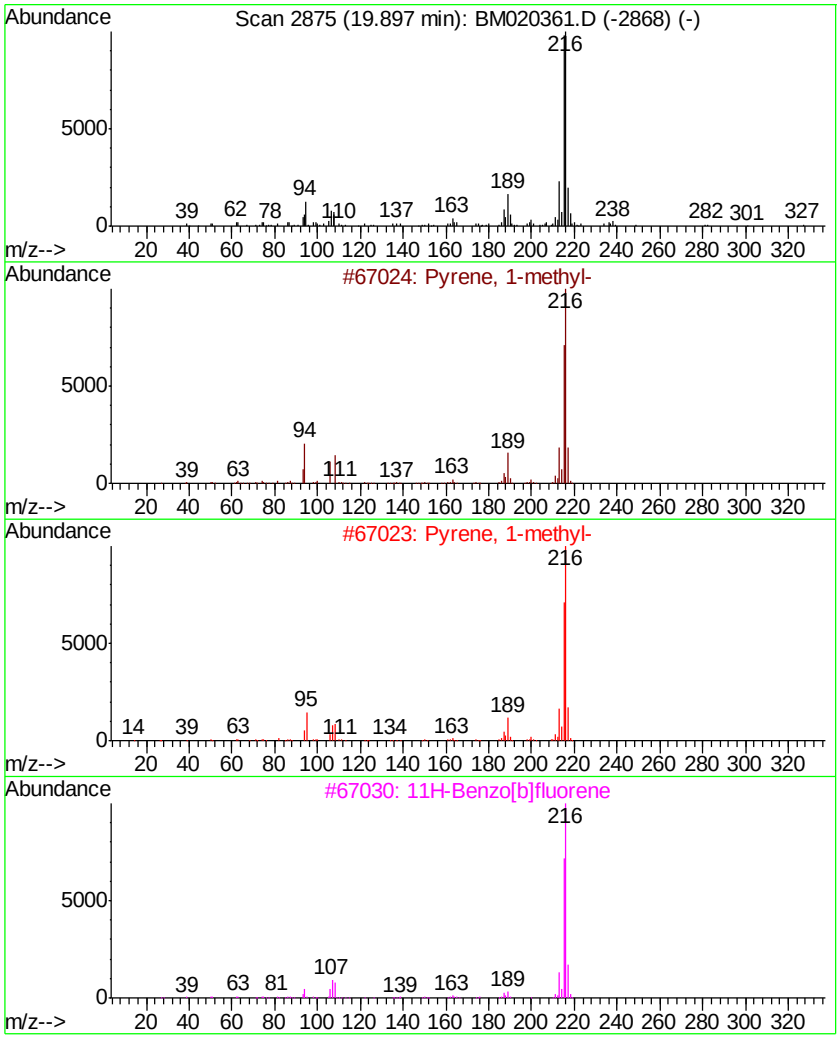
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

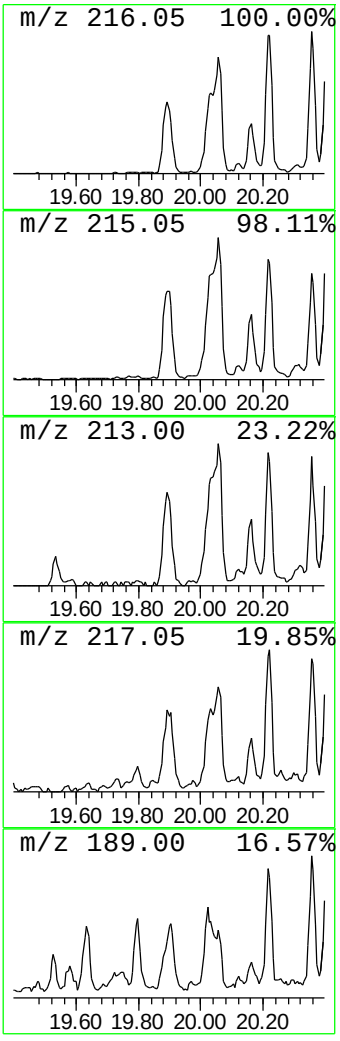
****

Peak Number 11 Pyrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.90	2.92 ng/ul	387095	Chrysene-d12	21.33

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	92
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87





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Sample : K2604-18DL 20X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ89DL

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Quant Title : SVOA CALIBRATION

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

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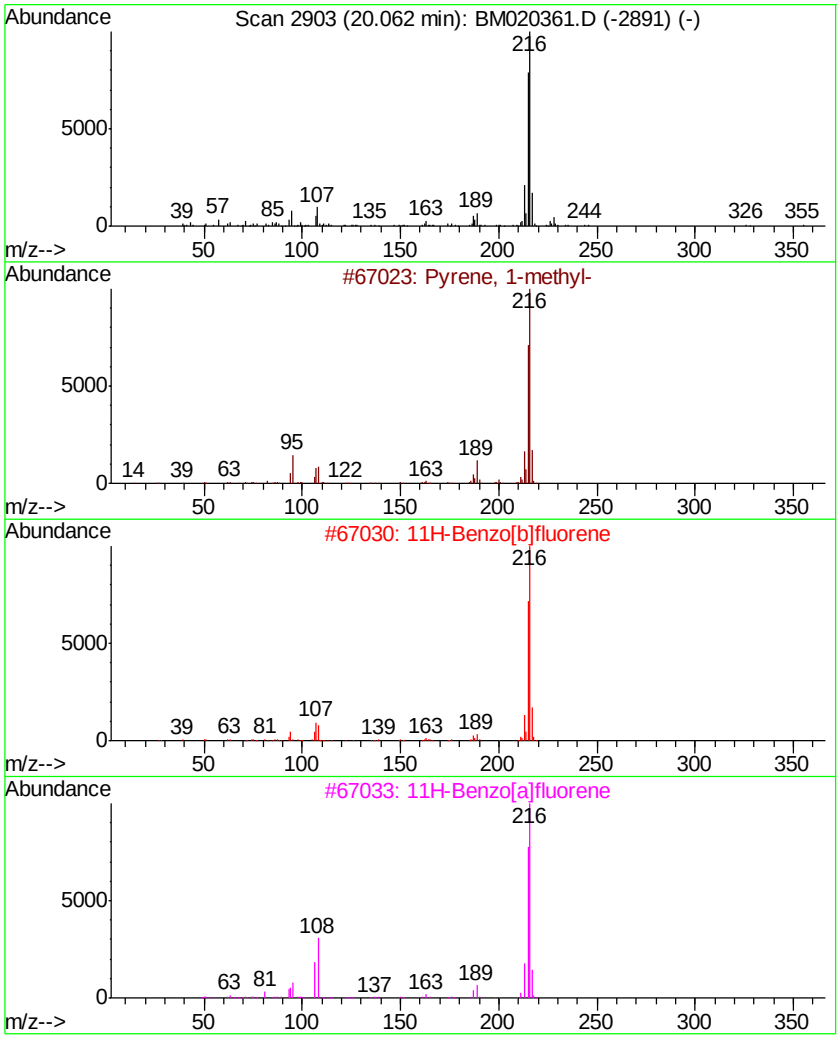
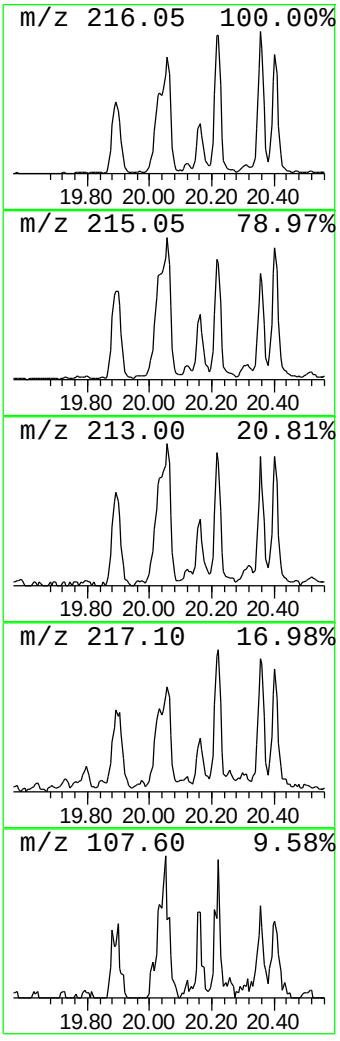
Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.06	5.20 ng/ul	689651	Chrysene-d12	21.33

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





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Quant Title : SVOA CALIBRATION

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

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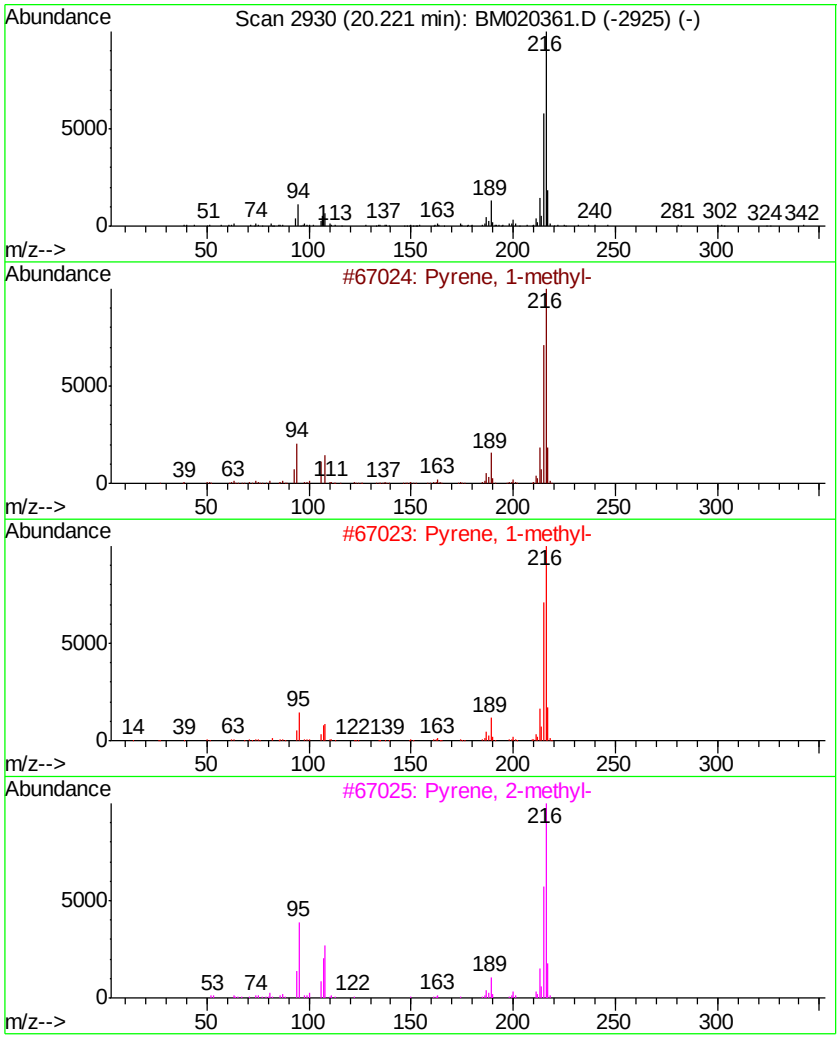
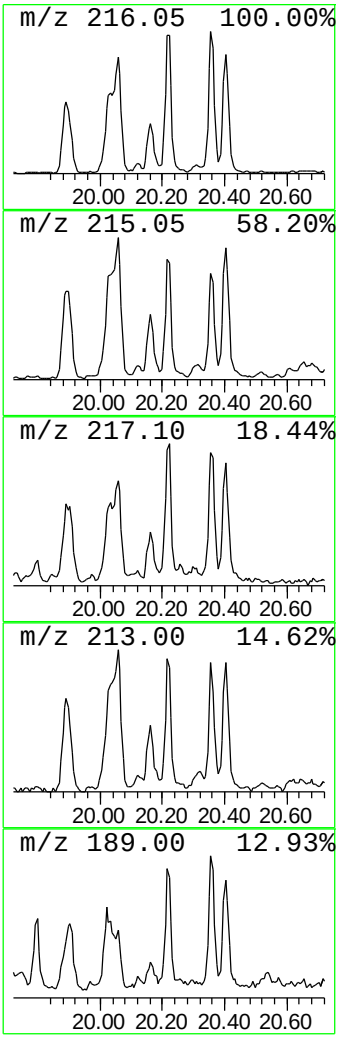
Peak Number 13 Pyrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.22	2.28 ng/ul	302546	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93





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Quant Title : SVOA CALIBRATION

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

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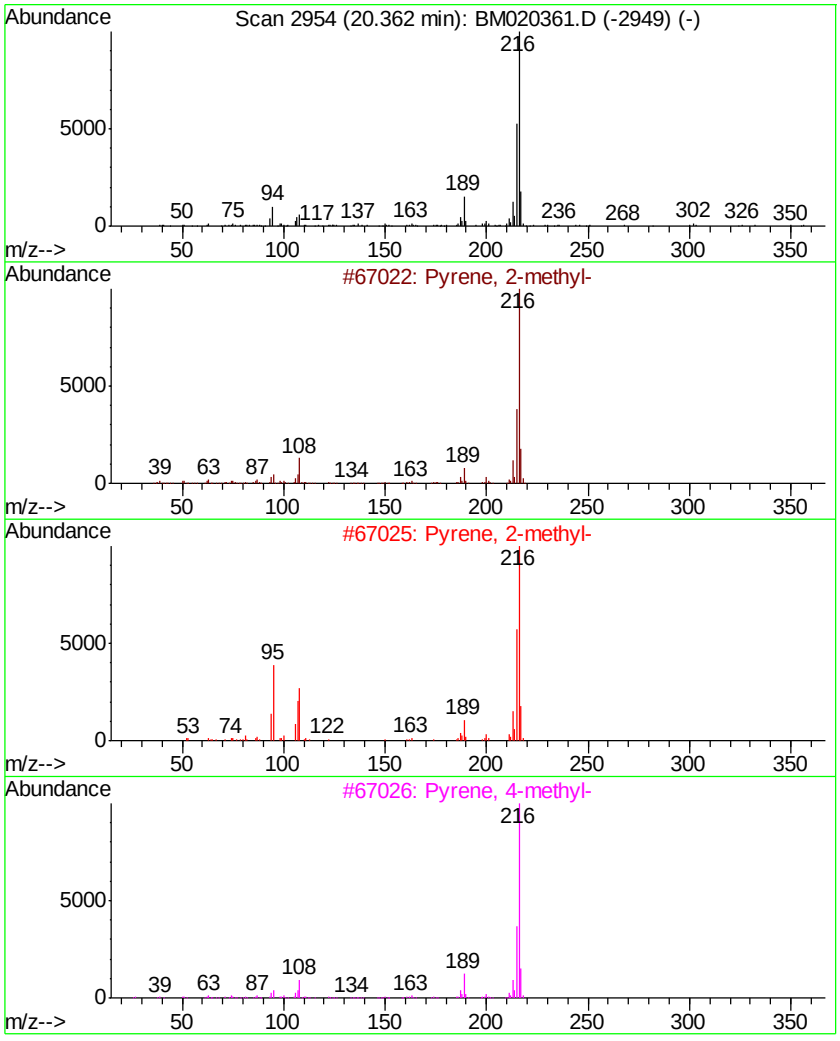
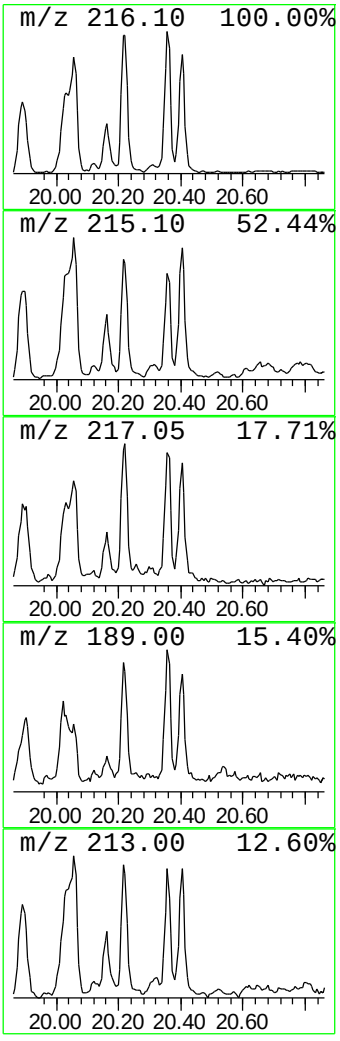
Peak Number 14 Pyrene, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.36	2.35 ng/ul	312336	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86





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Quant Title : SVOA CALIBRATION

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

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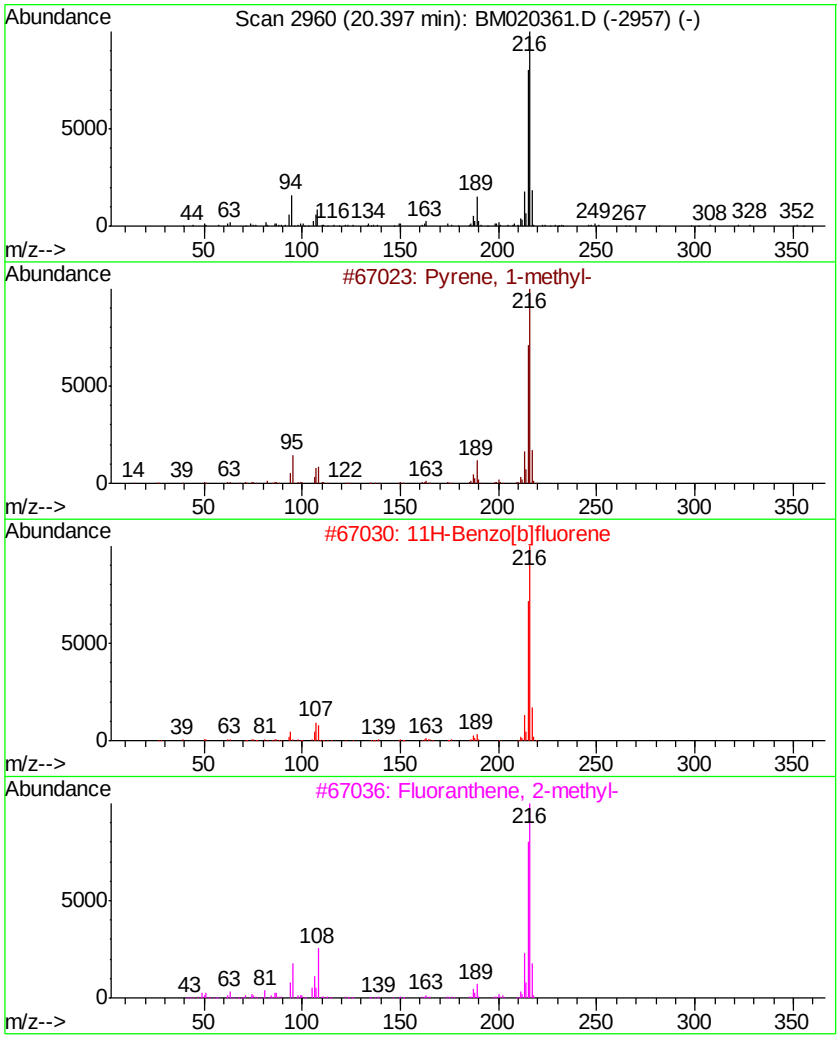
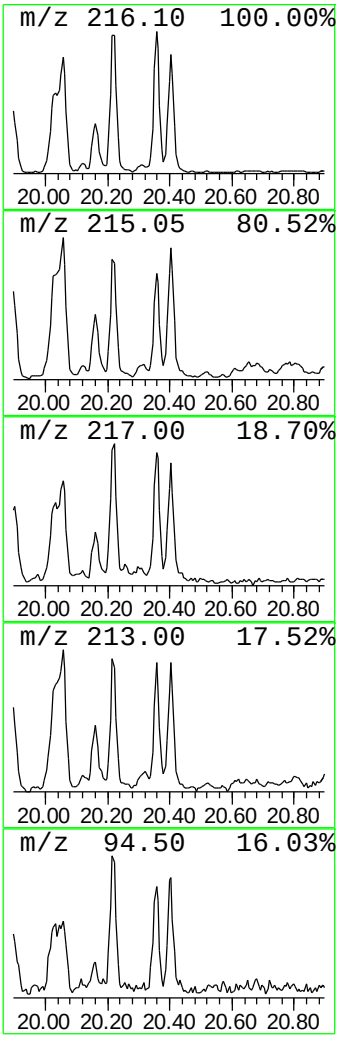
Peak Number 15 Fluoranthene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.40	2.72 ng/ul	361199	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93





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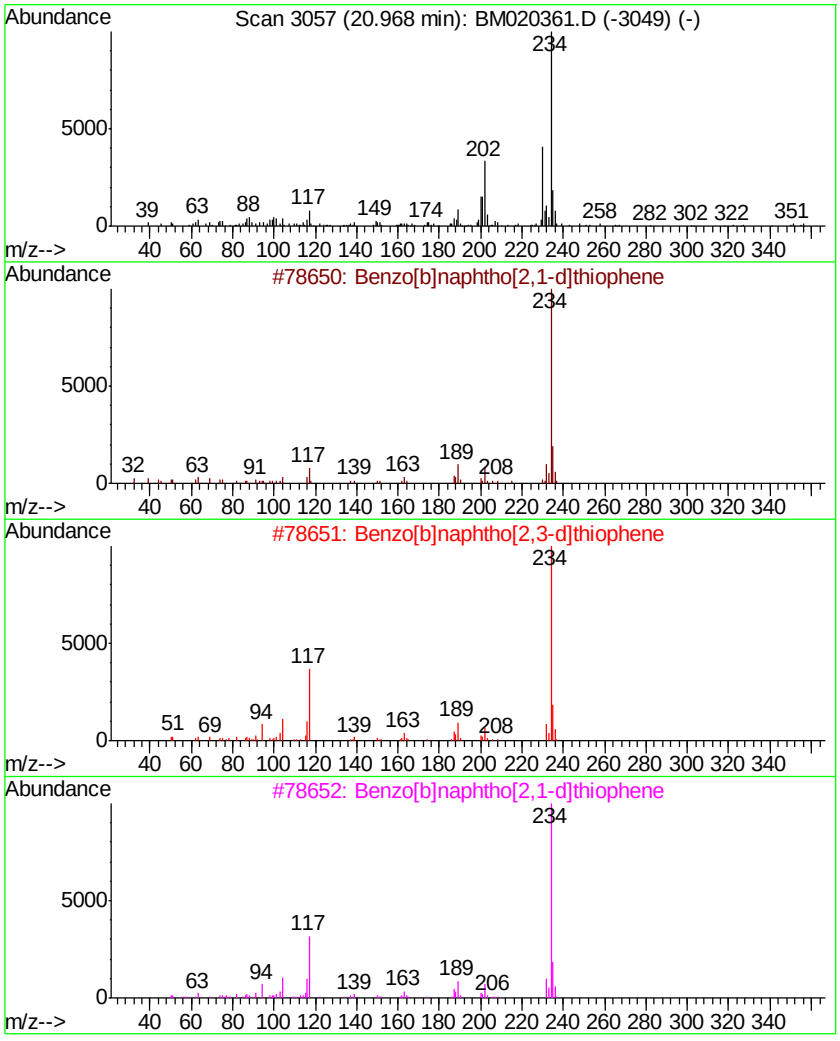
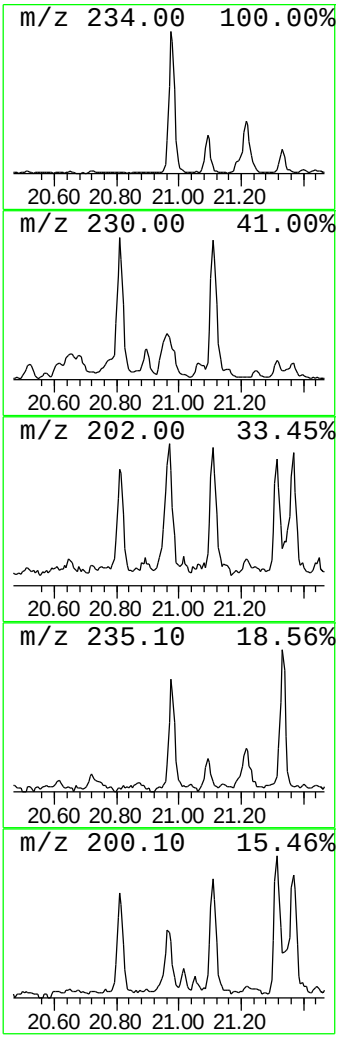
Peak Number 16 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.97	2.91 ng/ul	385572	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	81
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	81
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	81
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	76
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	74





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Instrument : BNA_M
ClientSampleId : GAJ89DL

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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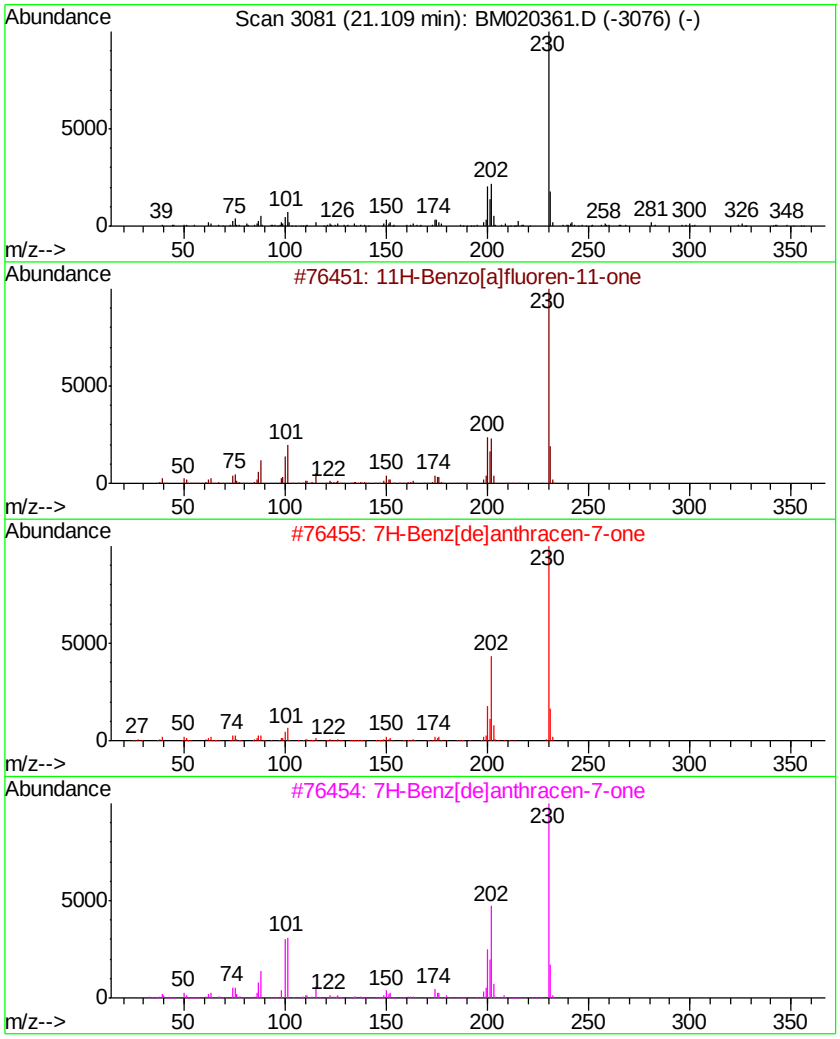
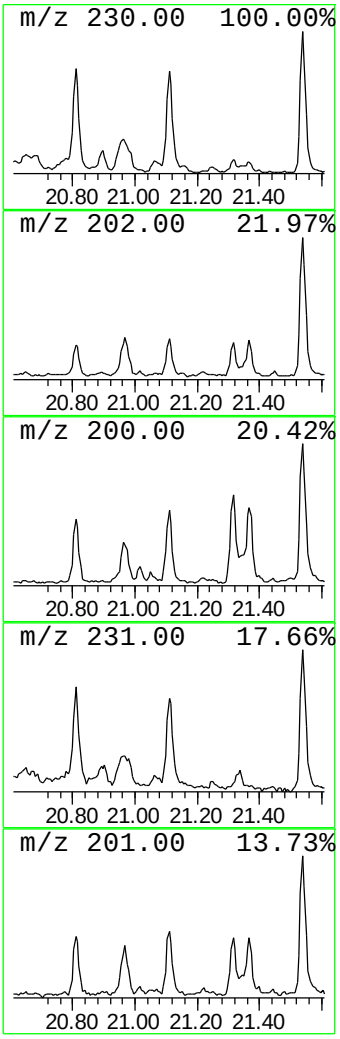
Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.11	2.01 ng/ul	267300	Chrysene-d12	21.33

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	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020361.D
Acq On : 17 May 2019 12:46
Operator : JU/SJ
Sample : K2604-18DL 20X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ89DL

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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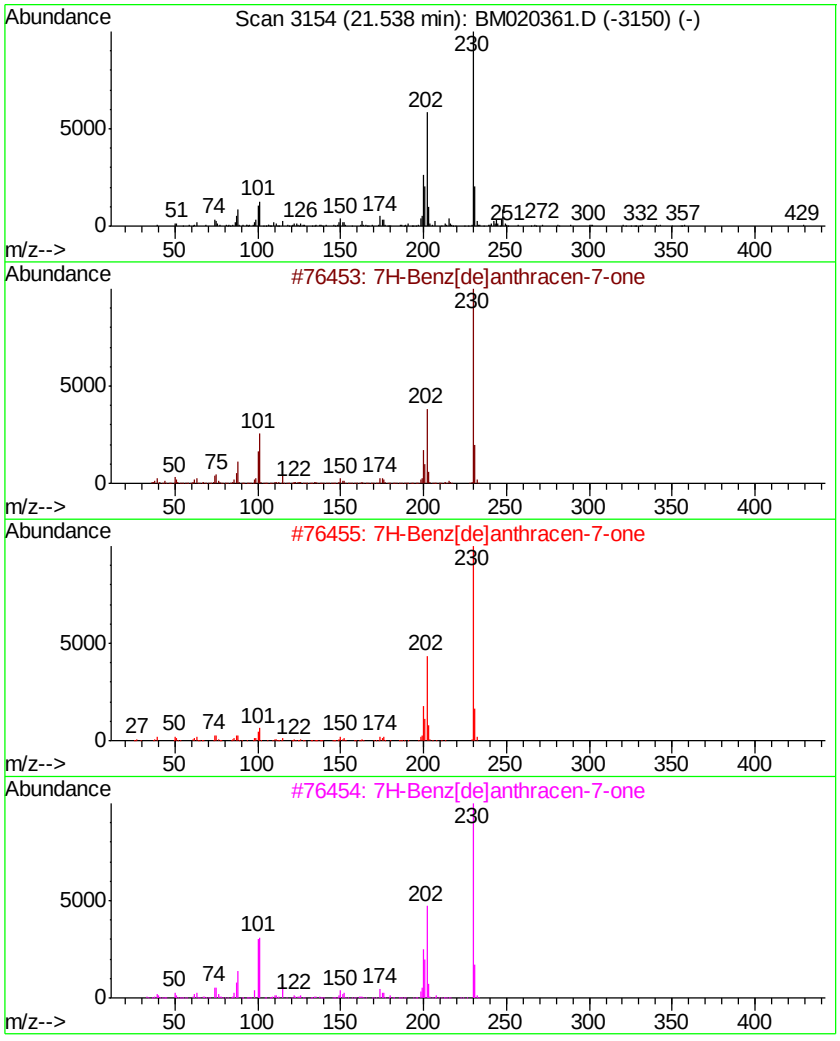
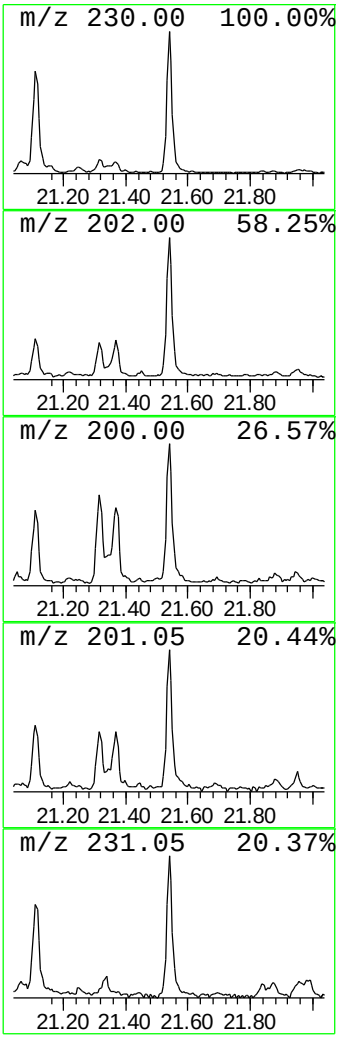
Peak Number 18 7H-Benz[de]anthracen-7-one Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.54	3.43 ng/ul	455502	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	95
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	93
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	93
5	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	89





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020361.D
Acq On : 17 May 2019 12:46
Operator : JU/SJ
Sample : K2604-18DL 20X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ89DL

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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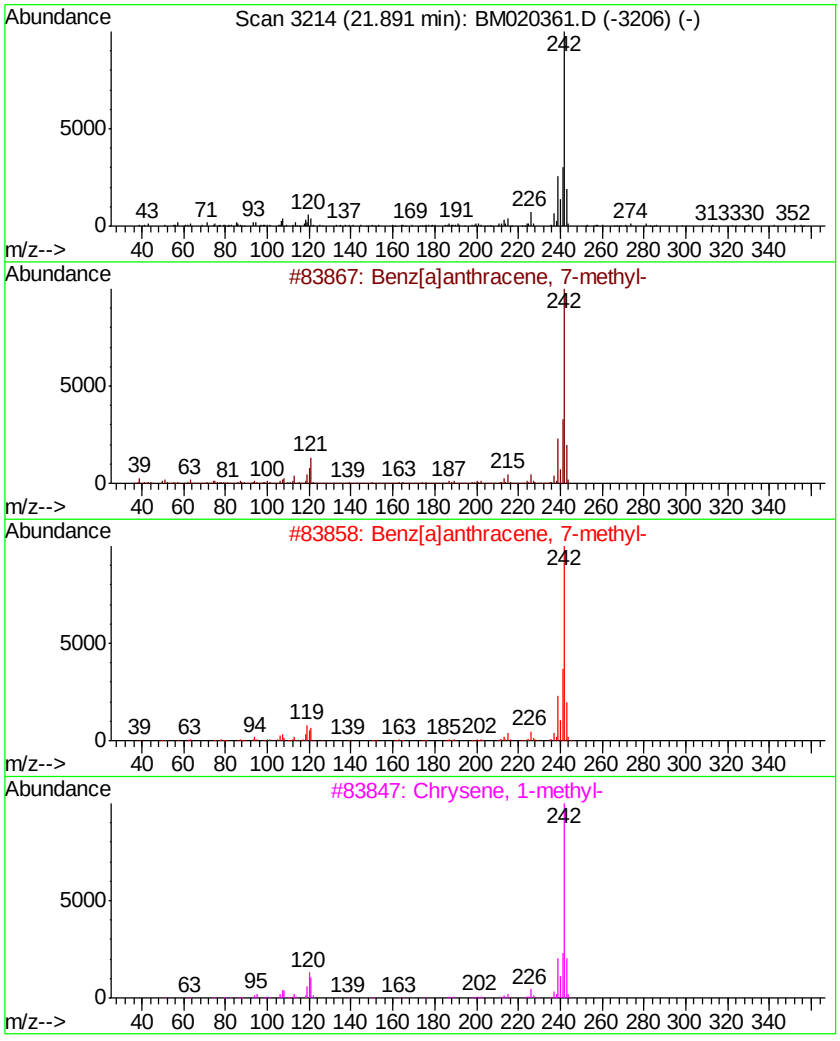
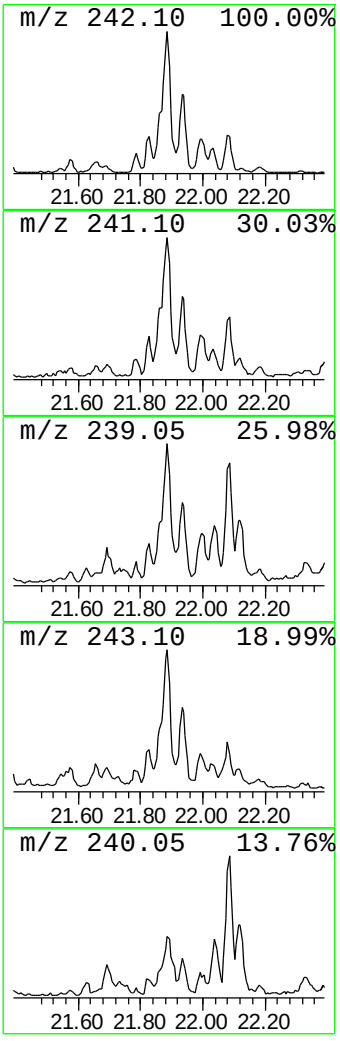
Peak Number 19 Benz[a]anthracene, 7-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.89	3.75 ng/ul	497459	Chrysene-d12	21.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	91
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	91
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	91
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	90
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051719\
Data File : BM020361.D
Acq On : 17 May 2019 12:46
Operator : JU/SJ
Sample : K2604-18DL 20X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ89DL

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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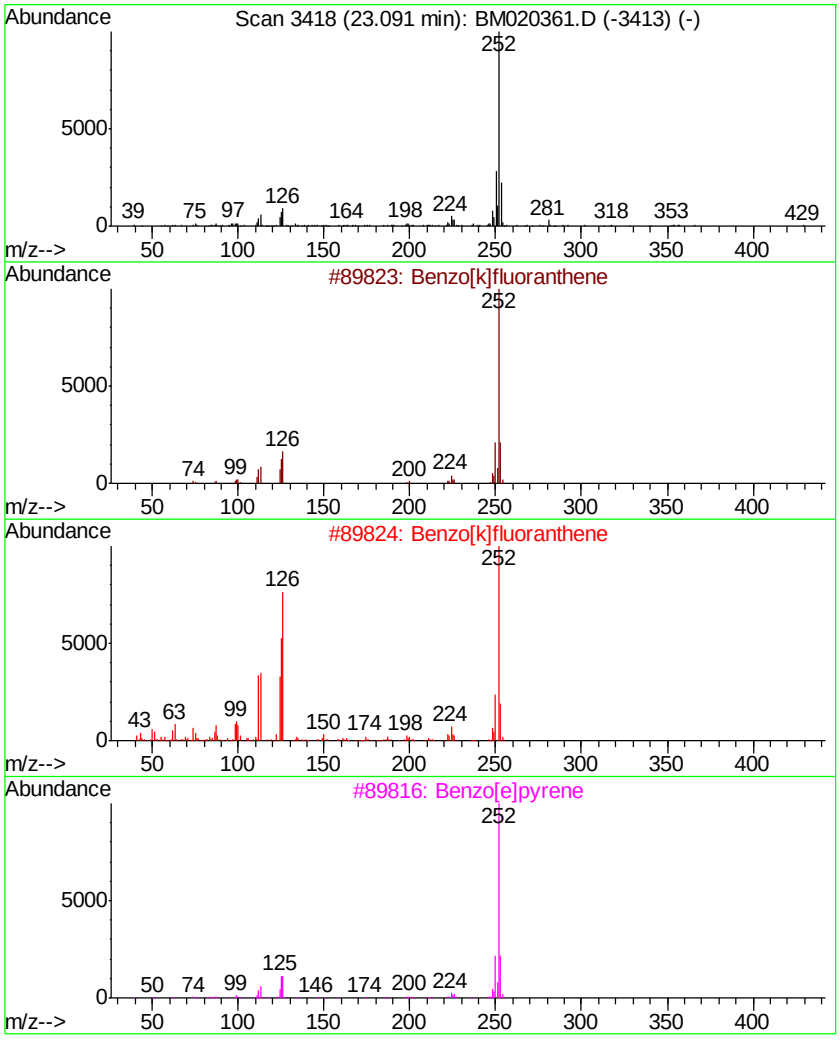
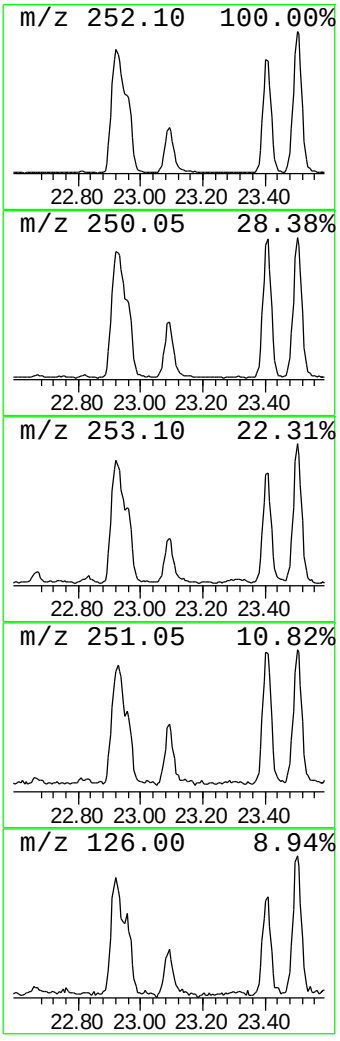
Peak Number 20 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.09	8.34 ng/ul	346848	Perylene-d12	23.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benzo[e]pyrene	252	C20H12	000192-97-2	90
4	Perylene	252	C20H12	000198-55-0	89
5	Benzo[a]pyrene	252	C20H12	000050-32-8	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM051719\
Data File : BM020361.D
Acq On : 17 May 2019 12:46
Operator : JU/SJ
Sample : K2604-18DL 20X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : GAJ89DL

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
Phenanthrene, 2-m...	18.01	2.6	ng/ul	104306	4	17.13	808320	20.0
Phenanthrene, 1-m...	18.06	3.0	ng/ul	121795	4	17.13	808320	20.0
4H-Cyclopenta[def...	18.20	7.6	ng/ul	308081	4	17.13	808320	20.0
Phenanthrene, 4-m...	18.24	2.4	ng/ul	94871	4	17.13	808320	20.0
5,16[1',2']:8,13[...	18.52	3.0	ng/ul	120686	4	17.13	808320	20.0
9,10-Anthracenedione	18.56	2.7	ng/ul	107567	4	17.13	808320	20.0
9,10-Dimethylanth...	18.93	6.9	ng/ul	278408	4	17.13	808320	20.0
Phenanthrene, 3,6...	18.99	2.6	ng/ul	103286	4	17.13	808320	20.0
Cyclopenta(def)ph...	19.08	11.7	ng/ul	471128	4	17.13	808320	20.0
Benzene, 1,1'-(1,...	19.35	2.1	ng/ul	284331	5	21.33	2654180	20.0
Pyrene, 1-methyl-	19.90	2.9	ng/ul	387095	5	21.33	2654180	20.0
11H-Benzo[b]fluorene	20.06	5.2	ng/ul	689651	5	21.33	2654180	20.0
Pyrene, 2-methyl-	20.22	2.3	ng/ul	302546	5	21.33	2654180	20.0
Pyrene, 4-methyl-	20.36	2.4	ng/ul	312336	5	21.33	2654180	20.0
Fluoranthene, 2-m...	20.40	2.7	ng/ul	361199	5	21.33	2654180	20.0
Benzo[b]naphtho[2...	20.97	2.9	ng/ul	385572	5	21.33	2654180	20.0
11H-Benzo[a]fluor...	21.11	2.0	ng/ul	267300	5	21.33	2654180	20.0
7H-Benz[de]anthra...	21.54	3.4	ng/ul	455502	5	21.33	2654180	20.0
Benz[a]anthracene...	21.89	3.8	ng/ul	497459	5	21.33	2654180	20.0
Benzo[e]pyrene	23.09	8.3	ng/ul	346848	6	23.60	832078	20.0