LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070820\
Data File : BP002685.D
Acq On : 08 Jul 2020 20:51
Operator : CG/JU
Sample : L3183-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-02-070720

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_P\METHODS\8270-BP062920.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.193	386	392	409	rBV	632155	1090486	8.85%	0.743%
2	6.769	653	660	674	rBV	730179	1317933	10.69%	0.898%
3	7.569	788	796	806	rBV	655087	1048045	8.50%	0.714%
4	7.887	842	850	861	rBV	632174	1040809	8.44%	0.709%
5	8.099	880	886	898	rBV	71612	157107	1.27%	0.107%
6	8.710	979	990	1005	rBV	467301	863392	7.00%	0.588%
7	10.340	1259	1267	1273	rBV	959284	1627686	13.20%	1.109%
8	11.863	1520	1526	1544	rVB4	43596	135288	1.10%	0.092%
9	12.234	1582	1589	1600	rVB	79327	138924	1.13%	0.095%
10	12.834	1684	1691	1708	rVB	1289608	2087196	16.93%	1.422%
11	13.539	1805	1811	1816	rBV	113732	202644	1.64%	0.138%
12	13.675	1825	1834	1842	rBV2	287124	508868	4.13%	0.347%
13	13.934	1872	1878	1895	rBV	786408	1318603	10.70%	0.898%
14	14.216	1920	1926	1933	rBV	1563589	2379743	19.30%	1.621%
15	14.281	1933	1937	1941	rVV	141858	185165	1.50%	0.126%
16	14.439	1958	1964	1972	rBV4	50576	125916	1.02%	0.086%
17	14.622	1988	1995	2004	rVV3	120011	252172	2.05%	0.172%
18	14.704	2004	2009	2014	rVB	100918	148759	1.21%	0.101%
19	14.845	2026	2033	2038	rBV3	117469	267901	2.17%	0.183%
20	15.098	2072	2076	2083	rVB2	146276	228512	1.85%	0.156%
21	15.222	2093	2097	2101	rVV2	115210	171838	1.39%	0.117%
22	15.275	2101	2106	2119	rVB	286829	595359	4.83%	0.406%
23	15.575	2152	2157	2160	rBV	105223	159931	1.30%	0.109%
24	15.716	2173	2181	2192	rBV2	1131540	1855249	15.05%	1.264%
25	15.957	2217	2222	2228	rBV3	144298	292437	2.37%	0.199%
26	16.286	2271	2278	2283	rBV2	139917	304729	2.47%	0.208%
27	16.333	2283	2286	2292	rVB2	129912	189851	1.54%	0.129%
28	16.433	2299	2303	2309	rVB3	99738	169812	1.38%	0.116%
29	16.557	2321	2324	2328	rVB3	113454	154018	1.25%	0.105%
30	16.633	2333	2337	2346	rVB4	187609	342897	2.78%	0.234%
31	16.722	2347	2352	2357	rBV2	97058	179884	1.46%	0.123%
32	16.792	2358	2364	2369	rBV	260482	452061	3.67%	0.308%
33	16.980	2390	2396	2399	rBV	2115899	3090330	25.07%	2.105%
34	17.022	2399	2403	2410	rVV	2900142	4050647	32.86%	2.760%

LSC Area Percent Report

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Acq On : 08 Jul 2020 20:51
Operator : CG/JU
Sample : L3183-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-02-070720

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_P\METHODS\8270-BP062920.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	17.110	2413	2418	2424	rVB	1408254	1971115	15.99%	1.343%
36	17.175	2424	2429	2435	rBV3	166956	316524	2.57%	0.216%
37	17.298	2447	2450	2455	rVB2	100703	127875	1.04%	0.087%
38	17.386	2461	2465	2470	rBV	195379	272531	2.21%	0.186%
39	17.510	2482	2486	2490	rVV2	166995	233523	1.89%	0.159%
40	17.563	2491	2495	2501	rVB2	378506	529399	4.29%	0.361%
41	17.710	2515	2520	2526	rVB	237402	439661	3.57%	0.300%
42	17.780	2528	2532	2536	rBV2	112511	176929	1.44%	0.121%
43	17.857	2540	2545	2549	rVV	1064656	1648304	13.37%	1.123%
44	17.904	2549	2553	2560	rVV	1460111	1942223	15.75%	1.323%
45	17.980	2562	2566	2571	rVV	689963	994219	8.06%	0.677%
46	18.045	2571	2577	2581	rVV2	1694152	3194099	25.91%	2.176%
47	18.080	2581	2583	2592	rVB	941027	1137043	9.22%	0.775%
48	18.198	2600	2603	2607	rVB4	150183	185923	1.51%	0.127%
49	18.245	2607	2611	2616	rBV3	301485	431998	3.50%	0.294%
50	18.345	2624	2628	2631	rBV2	576194	691026	5.60%	0.471%
51	18.386	2631	2635	2646	rVB2	530677	1024147	8.31%	0.698%
52	18.469	2646	2649	2651	rBV	107088	135104	1.10%	0.092%
53	18.557	2661	2664	2667	rBV	204650	291442	2.36%	0.199%
54	18.586	2667	2669	2673	rVV2	404014	521530	4.23%	0.355%
55	18.639	2674	2678	2681	rVV2	729387	1026849	8.33%	0.700%
56	18.674	2681	2684	2688	rVB2	447683	594580	4.82%	0.405%
57	18.757	2693	2698	2702	rVV	1208143	1826341	14.81%	1.244%
58	18.816	2702	2708	2711	rVV2	739130	1298383	10.53%	0.885%
59	18.845	2711	2713	2716	rVB	427994	434256	3.52%	0.296%
60	18.892	2716	2721	2728	rBV2	924739	1744953	14.15%	1.189%
61	19.010	2736	2741	2748	rVB	6707653	9773007	79.27%	6.658%
62	19.080	2749	2753	2755	rBV	280123	387360	3.14%	0.264%
63	19.110	2755	2758	2762	rVB3	275374	334865	2.72%	0.228%
64	19.157	2762	2766	2770	rBV2	492678	735742	5.97%	0.501%
65	19.245	2777	2781	2786	rBV3	374405	588755	4.78%	0.401%
66	19.363	2792	2801	2810	rBV2	6425998	12328818	100.00%	8.400%
67	19.439	2810	2814	2820	rVB3	571877	1083834	8.79%	0.738%
68	19.539	2827	2831	2832	rBV2	519025	590103	4.79%	0.402%
69	19.569	2832	2836	2839	rVB	2571549	2985783	24.22%	2.034%
70	19.686	2850	2856	2862	rBV3	987742	2385379	19.35%	1.625%
71	19.769	2867	2870	2873	rBV3	293276	343519	2.79%	0.234%

LSC Area Percent Report

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Operator : CG/JU
Sample : L3183-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-02-070720

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP062920.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	19.816	2873	2878	2880	rVV3	846409	1349787	10.95%	0.920%
73	19.851	2881	2884	2888	rVB	1597420	2010971	16.31%	1.370%
74	19.898	2889	2892	2894	rBV2	197914	255833	2.08%	0.174%
75	19.945	2897	2900	2904	rVB	920838	1091016	8.85%	0.743%
76	20.004	2905	2910	2915	rBV2	1506600	2097375	17.01%	1.429%
77	20.139	2929	2933	2937	rBV	1032352	1227814	9.96%	0.837%
78	20.186	2937	2941	2945	rVB	953133	1289971	10.46%	0.879%
79	20.392	2972	2976	2979	rBV4	259127	458877	3.72%	0.313%
80	20.580	3005	3008	3014	rVB	1069293	1510255	12.25%	1.029%
81	20.739	3030	3035	3039	rBV3	923394	1676485	13.60%	1.142%
82	20.780	3039	3042	3045	rVV	911203	1037172	8.41%	0.707%
83	20.821	3045	3049	3054	rVV2	1041692	1971943	15.99%	1.343%
84	20.874	3055	3058	3064	rVB	816602	1124237	9.12%	0.766%
85	21.080	3088	3093	3098	rBV2	4777977	9501554	77.07%	6.473%
86	21.127	3098	3101	3111	rVB	4055000	5686206	46.12%	3.874%
87	21.210	3112	3115	3117	rBV	307409	349771	2.84%	0.238%
88	21.245	3117	3121	3126	rBV2	644830	1232064	9.99%	0.839%
89	21.292	3126	3129	3136	rVV3	325964	499647	4.05%	0.340%
90	21.398	3143	3147	3152	rBV2	473928	805307	6.53%	0.549%
91	21.633	3184	3187	3191	rVB	1033180	1252694	10.16%	0.853%
92	21.686	3193	3196	3202	rVB2	672505	925050	7.50%	0.630%
93	21.827	3217	3220	3222	rBV	498288	573794	4.65%	0.391%
94	22.639	3352	3358	3363	rBV	3100642	7376745	59.83%	5.026%
95	22.804	3382	3386	3396	rVB	767490	1371113	11.12%	0.934%
96	23.104	3432	3437	3446	rVB	1949429	3736961	30.31%	2.546%
97	23.204	3448	3454	3462	rVB	2851343	5409956	43.88%	3.686%
98	23.292	3465	3469	3473	rVV2	902978	1425691	11.56%	0.971%
99	25.515	3841	3847	3857	rVB2	1504369	4233489	34.34%	2.884%
100	26.186	3955	3961	3978	rVB	1155797	3434199	27.86%	2.340%

Sum of corrected areas: 146777311

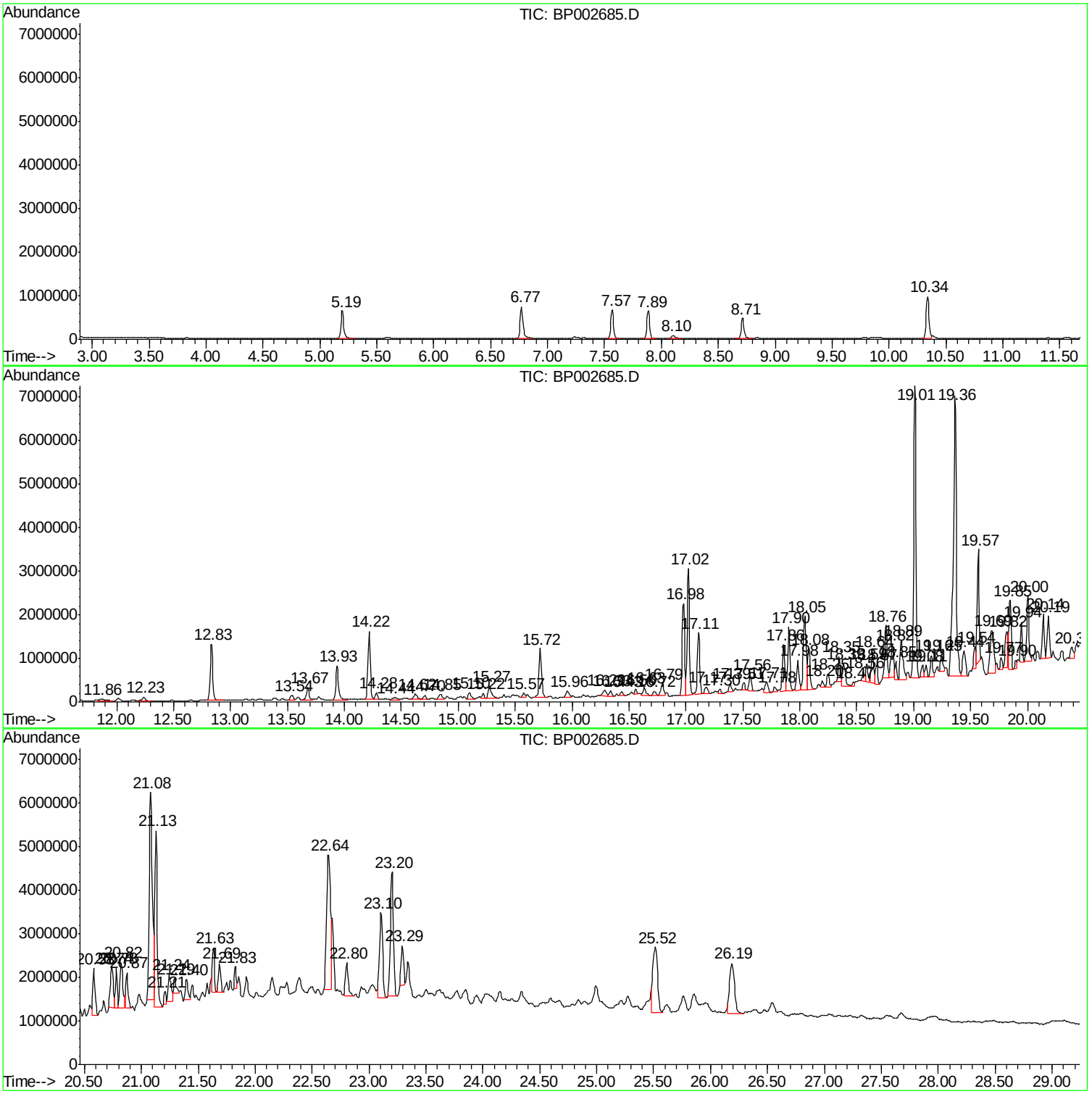
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070820\
Data File : BP002685.D
Acq On : 08 Jul 2020 20:51
Operator : CG/JU
Sample : L3183-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-02-070720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP062920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070820\
Data File : BP002685.D
Acq On : 08 Jul 2020 20:51
Operator : CG/JU
Sample : L3183-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-02-070720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP062920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

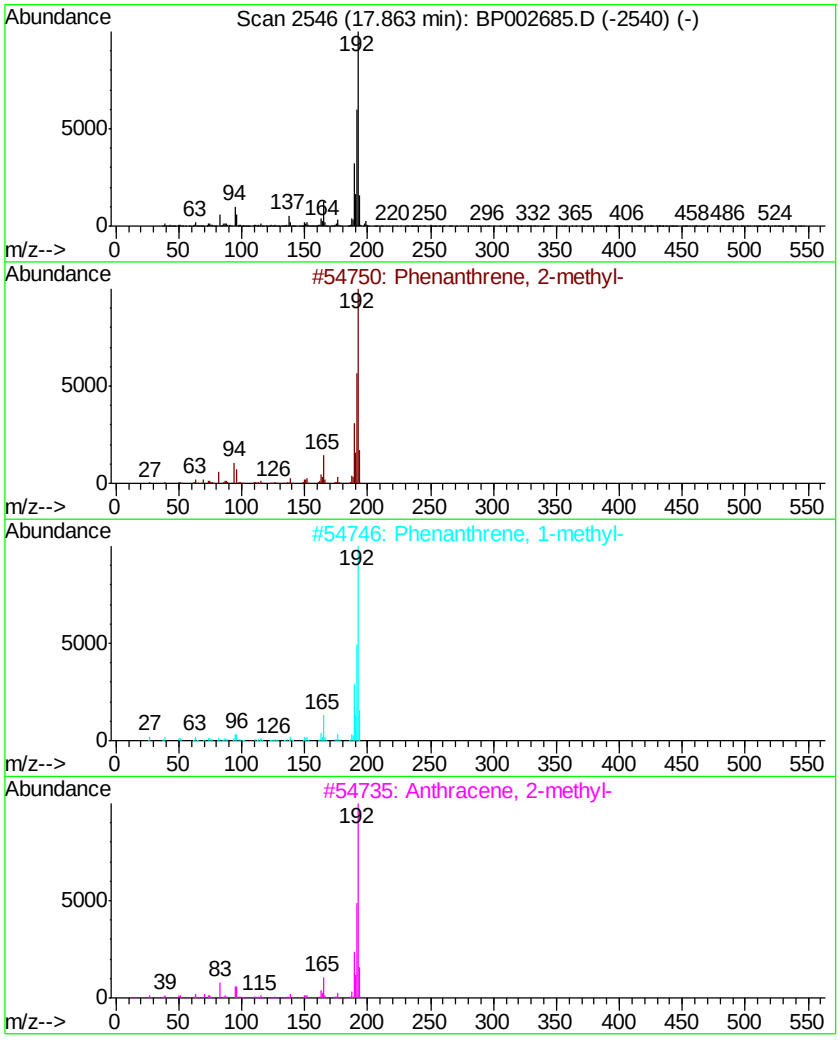
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

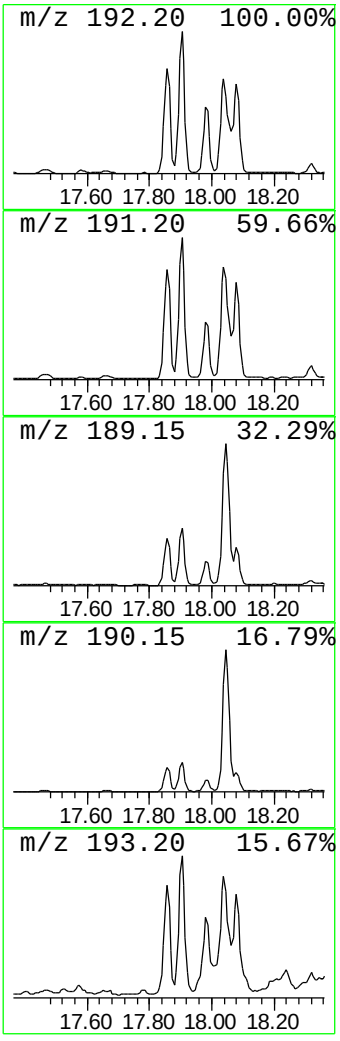
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	10.67 ng	1648300	Phenanthrene-d10	16.98

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	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070820\
Data File : BP002685.D
Acq On : 08 Jul 2020 20:51
Operator : CG/JU
Sample : L3183-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-02-070720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP062920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

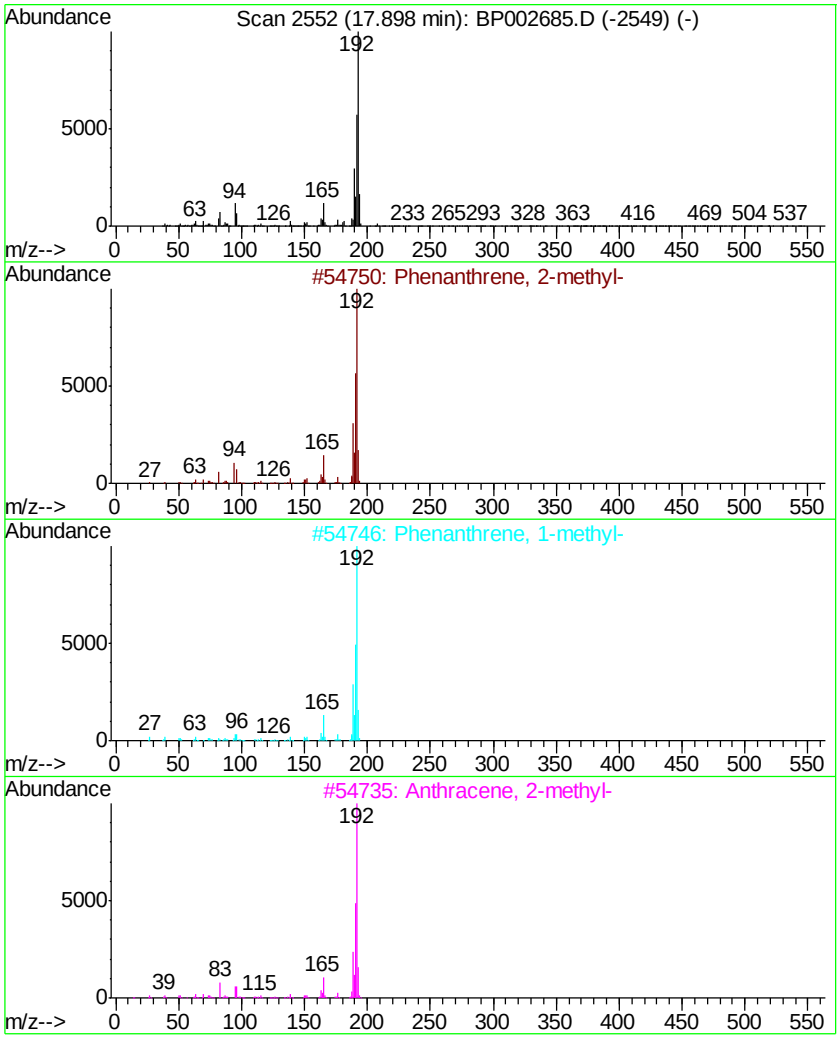
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

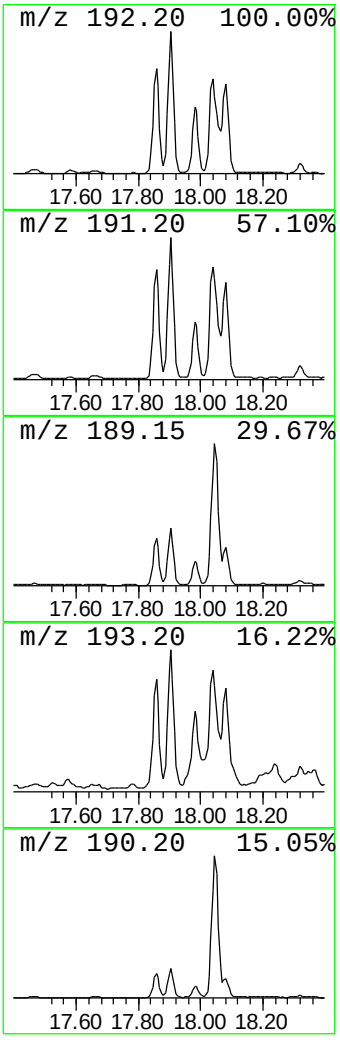
****

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.90	12.57 ng	1942220	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





Library Search Compound Report

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Operator : CG/JU
Sample : L3183-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-02-070720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP062920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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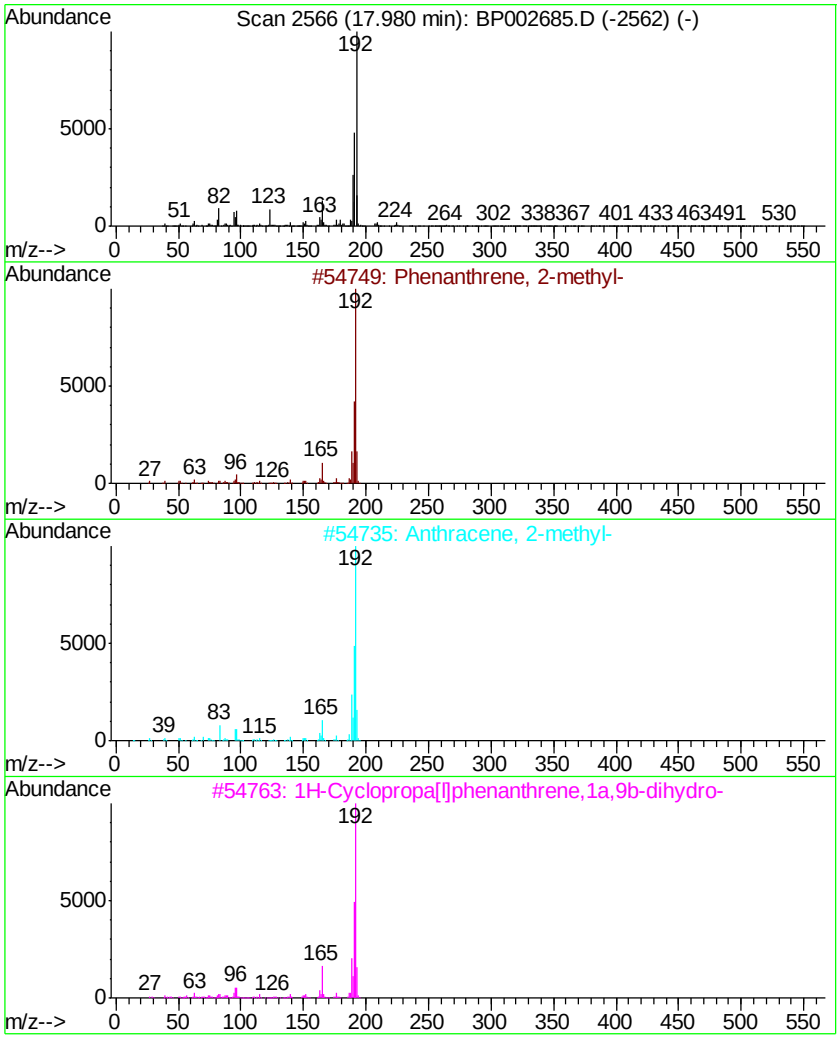
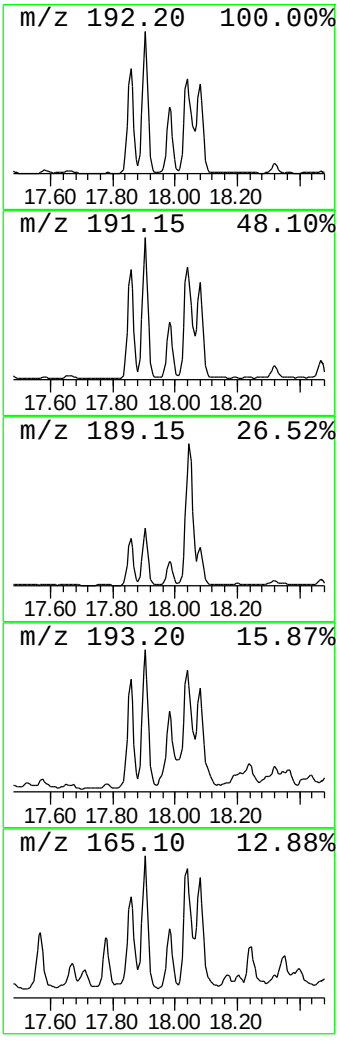
Peak Number 4 Anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.98	6.43 ng	994219	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070820\
Data File : BP002685.D
Acq On : 08 Jul 2020 20:51
Operator : CG/JU
Sample : L3183-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-02-070720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP062920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

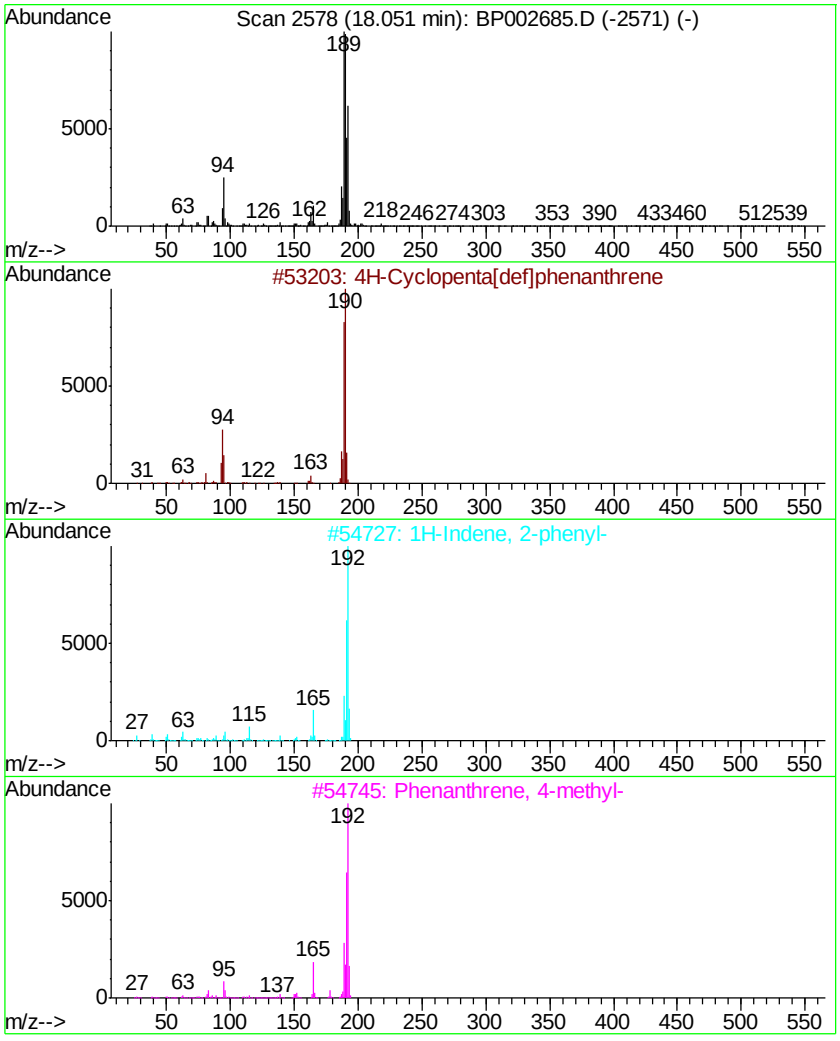
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

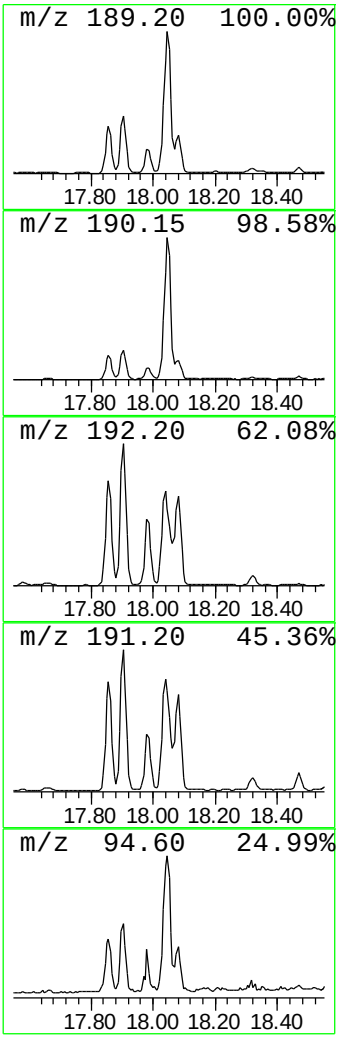
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	20.67 ng	3194100	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
4	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	35
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	35





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Data File : BP002685.D
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Operator : CG/JU
Sample : L3183-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-02-070720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP062920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

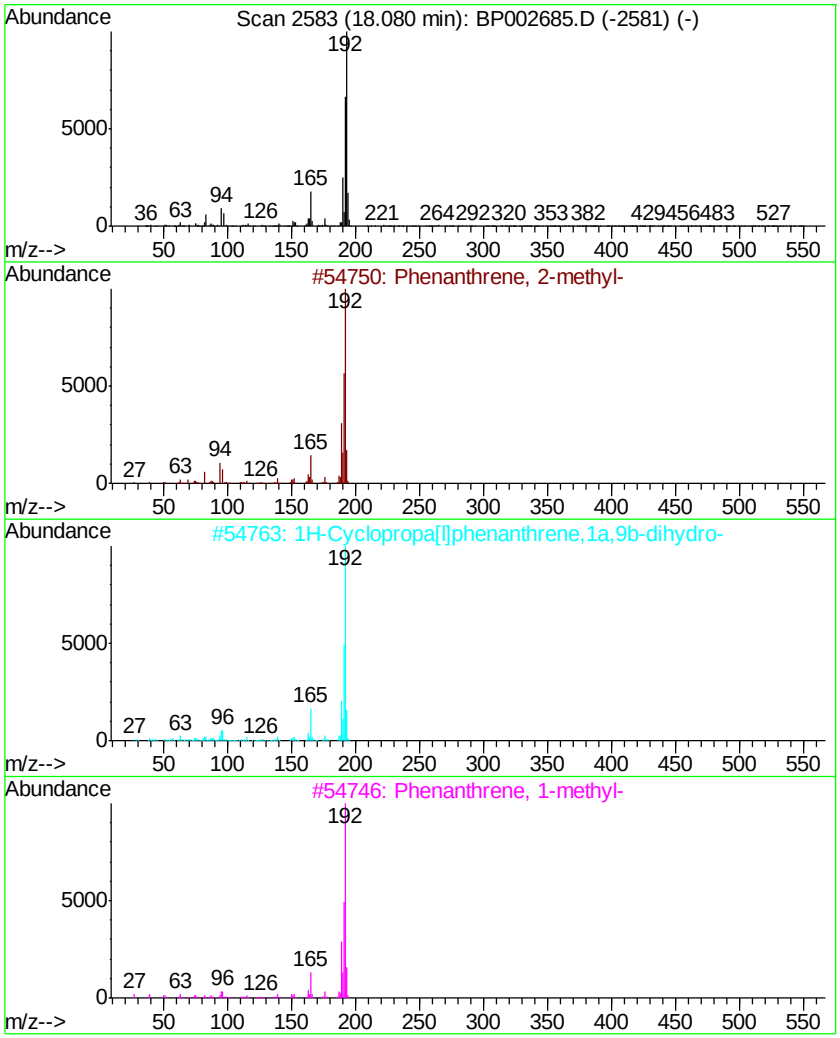
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

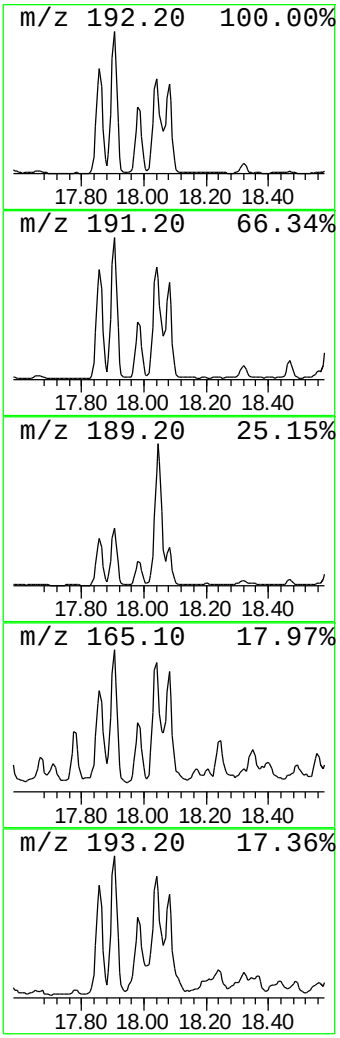
****

Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	7.36 ng	1137040	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070820\
Data File : BP002685.D
Acq On : 08 Jul 2020 20:51
Operator : CG/JU
Sample : L3183-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-02-070720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP062920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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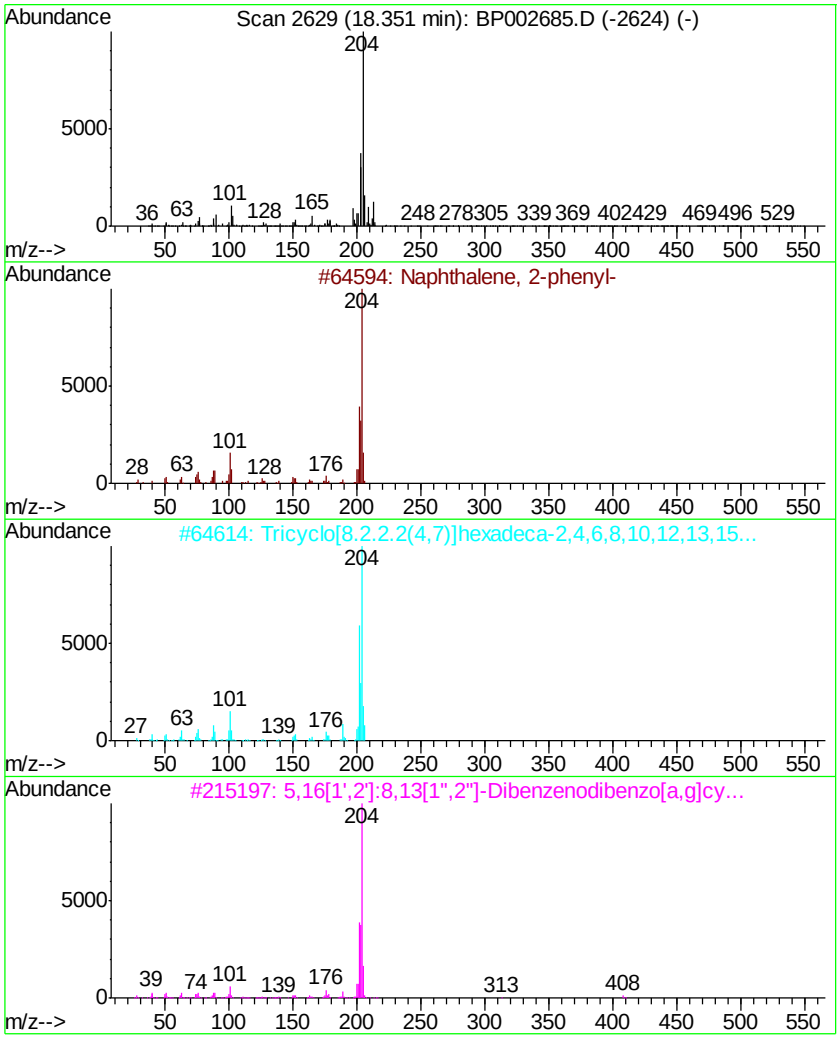
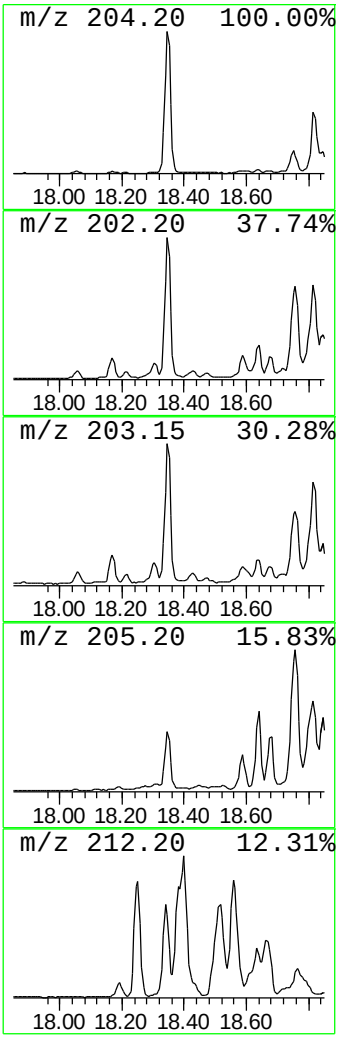
Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	4.47 ng	691026	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	78
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	78
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	50





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Sample : L3183-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-02-070720

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

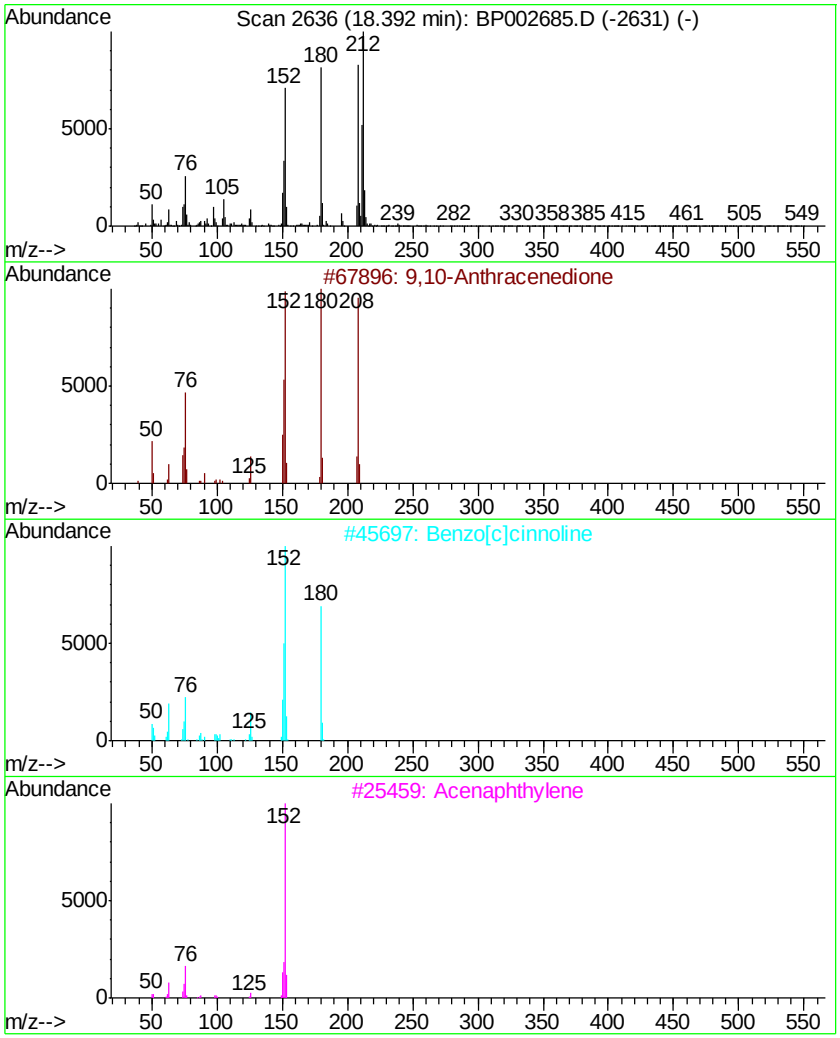
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

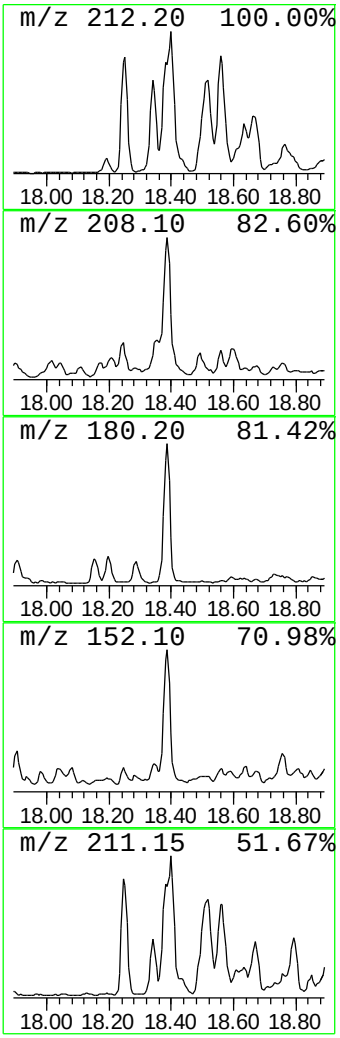
****

Peak Number 8 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	6.63 ng	1024150	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
3	Acenaphthylene	152	C12H8	000208-96-8	53
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	42
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	41





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Sample : L3183-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

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ClientSampleId : OK-02-070720

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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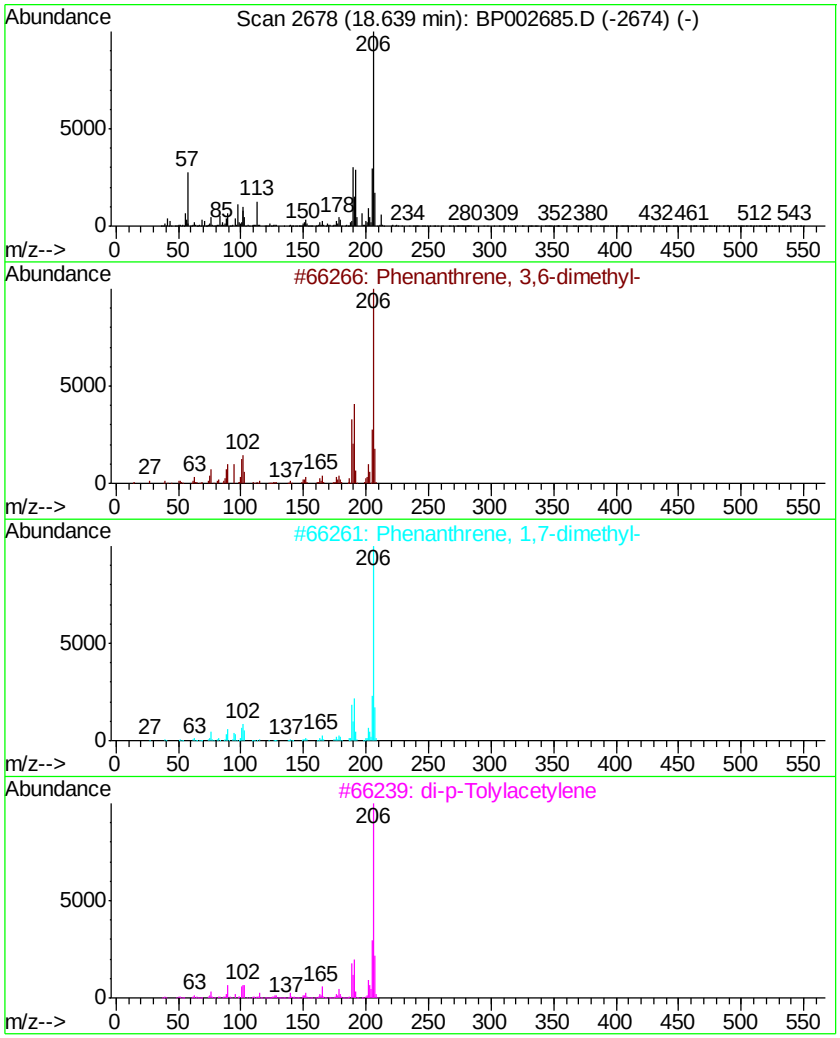
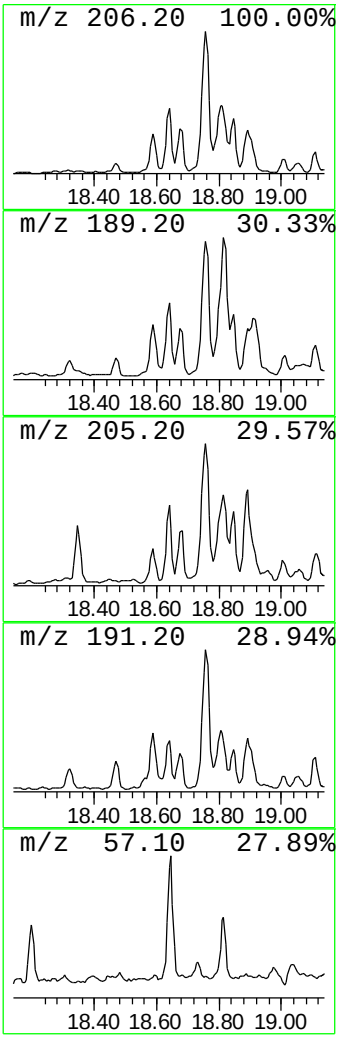
Peak Number 9 Phenanthrene, 3,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.64	6.65 ng	1026850	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	96
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	89
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	76





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Operator : CG/JU
Sample : L3183-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-02-070720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP062920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

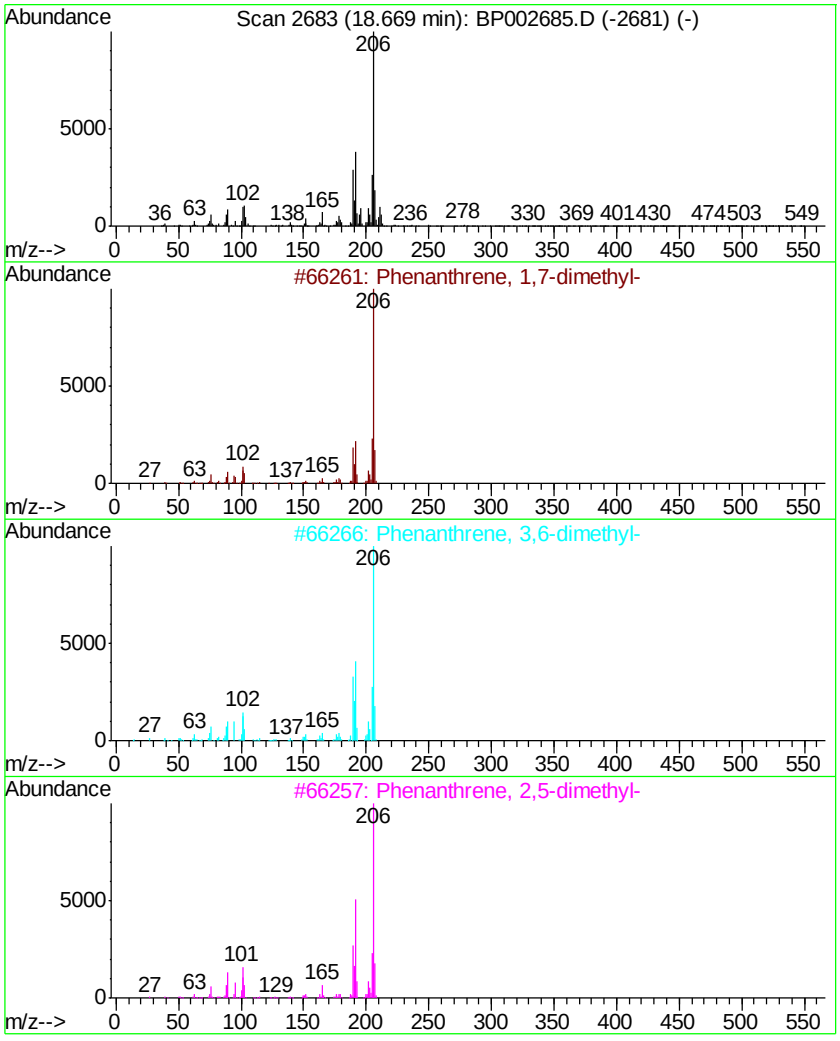
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

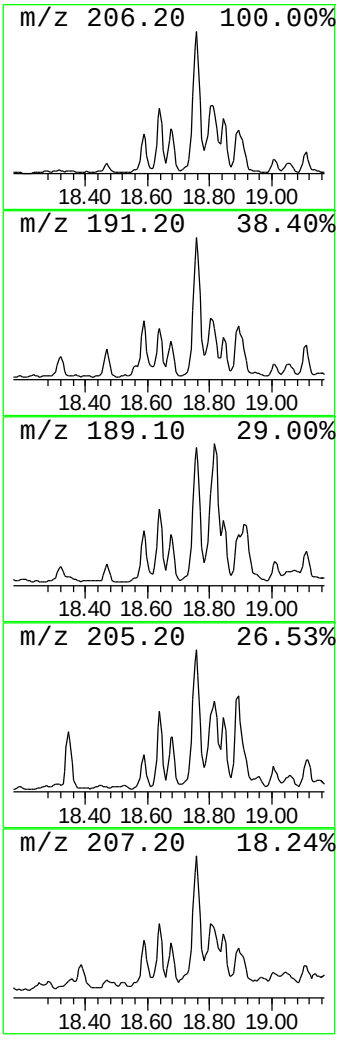
****

Peak Number 10 Phenanthrene, 1,7-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.67	3.85 ng	594580	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	96
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





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Operator : CG/JU
Sample : L3183-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-02-070720

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

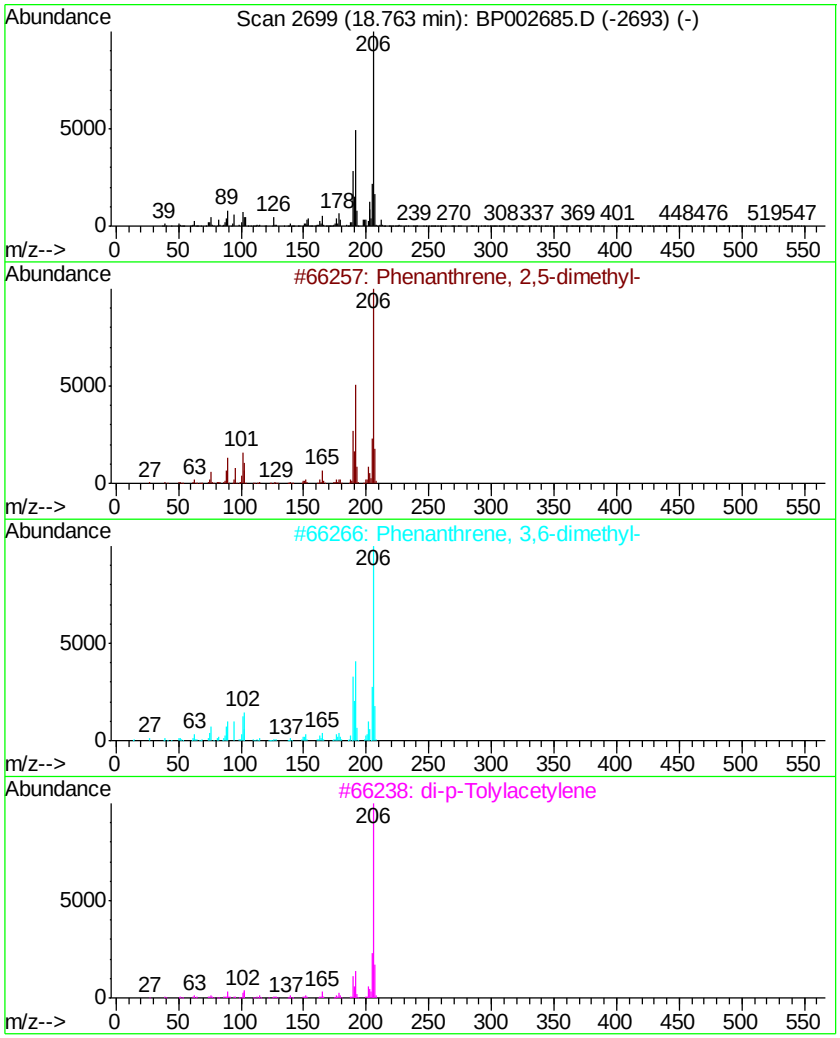
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

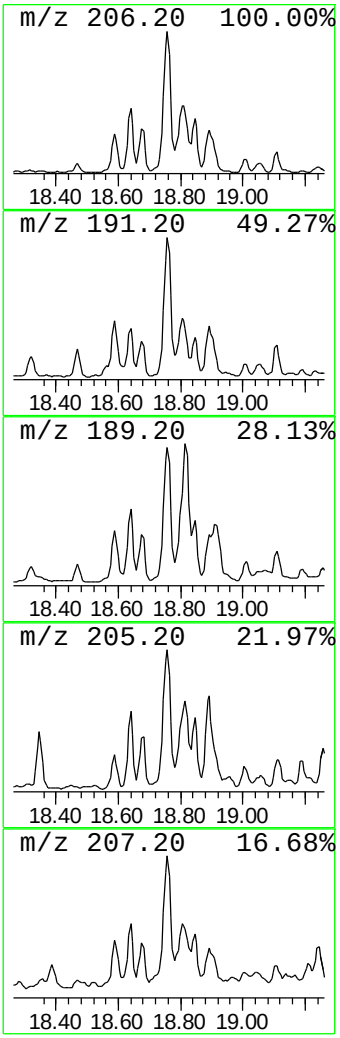
****

Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.76	11.82 ng	1826340	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	90





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Data File : BP002685.D
Acq On : 08 Jul 2020 20:51
Operator : CG/JU
Sample : L3183-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-02-070720

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

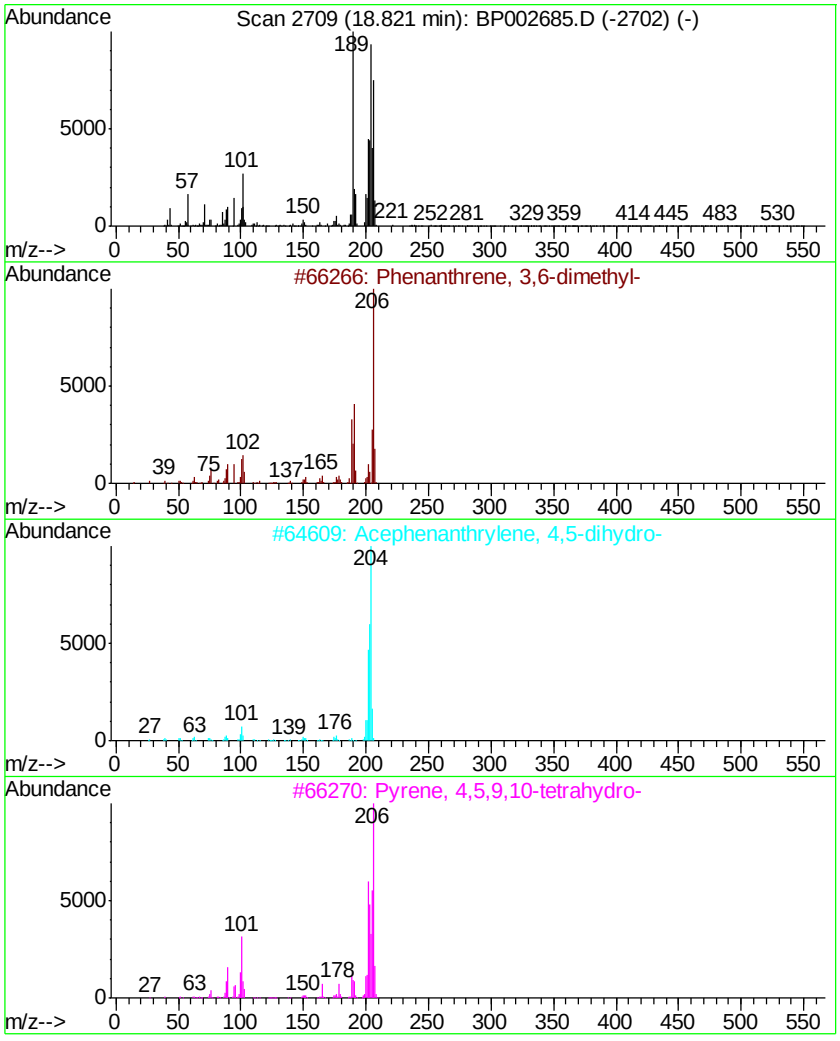
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

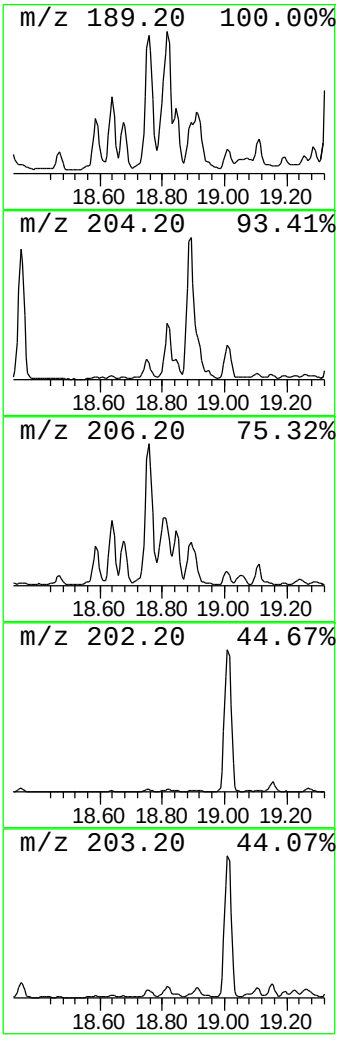
****

Peak Number 12 Acephenanthrylene, 4,5-dihy... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	8.40 ng	1298380	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	62
2	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	62
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
4	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	38
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	35





Library Search Compound Report

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Acq On : 08 Jul 2020 20:51
Operator : CG/JU
Sample : L3183-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-02-070720

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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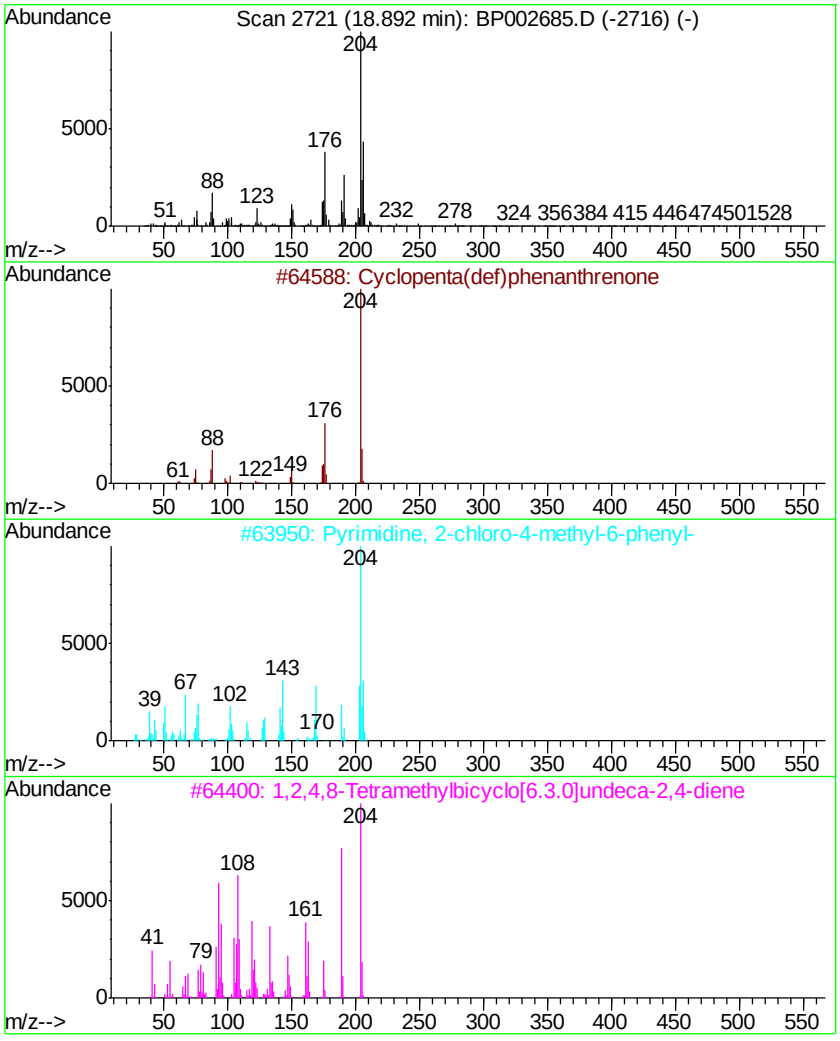
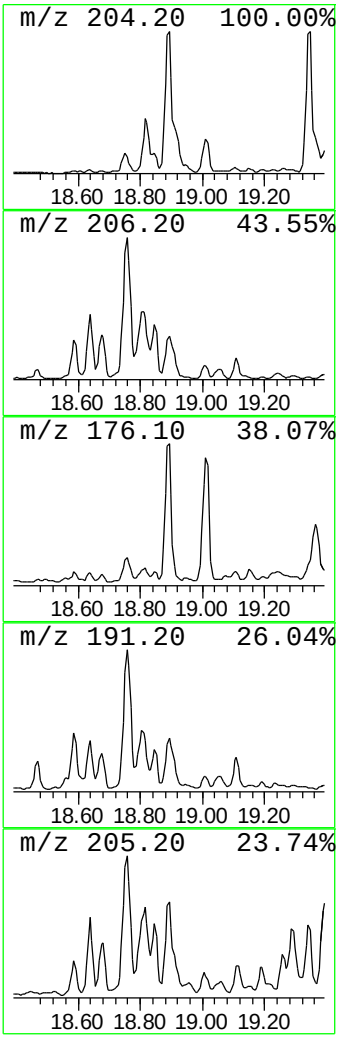
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.89	11.29 ng	1744950	Phenanthrene-d10	16.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	98
2	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	47
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	46
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43





Library Search Compound Report

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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-02-070720

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

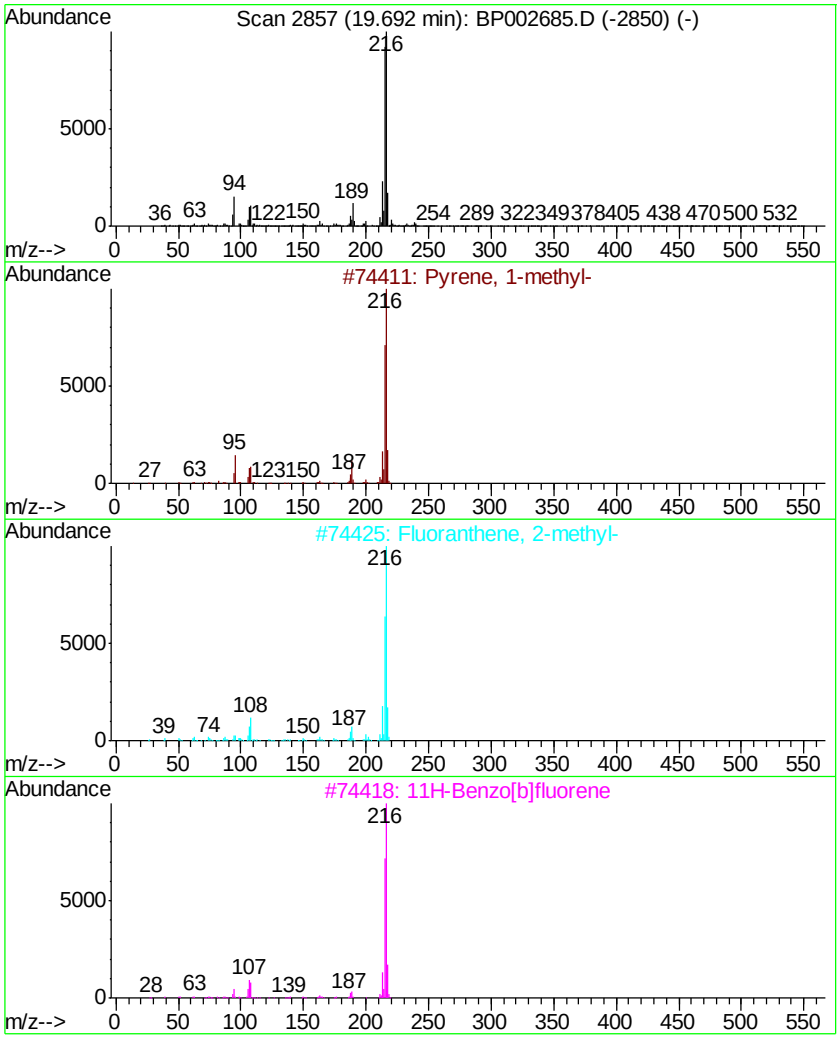
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

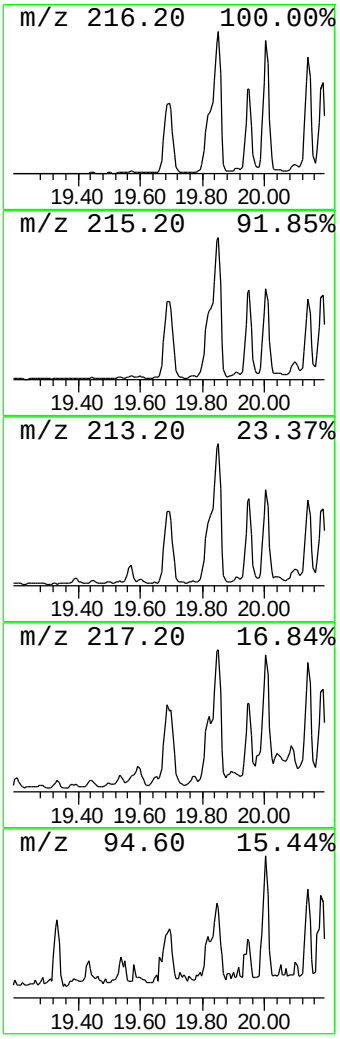
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.69	5.02 ng	2385380	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83





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Sample : L3183-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-02-070720

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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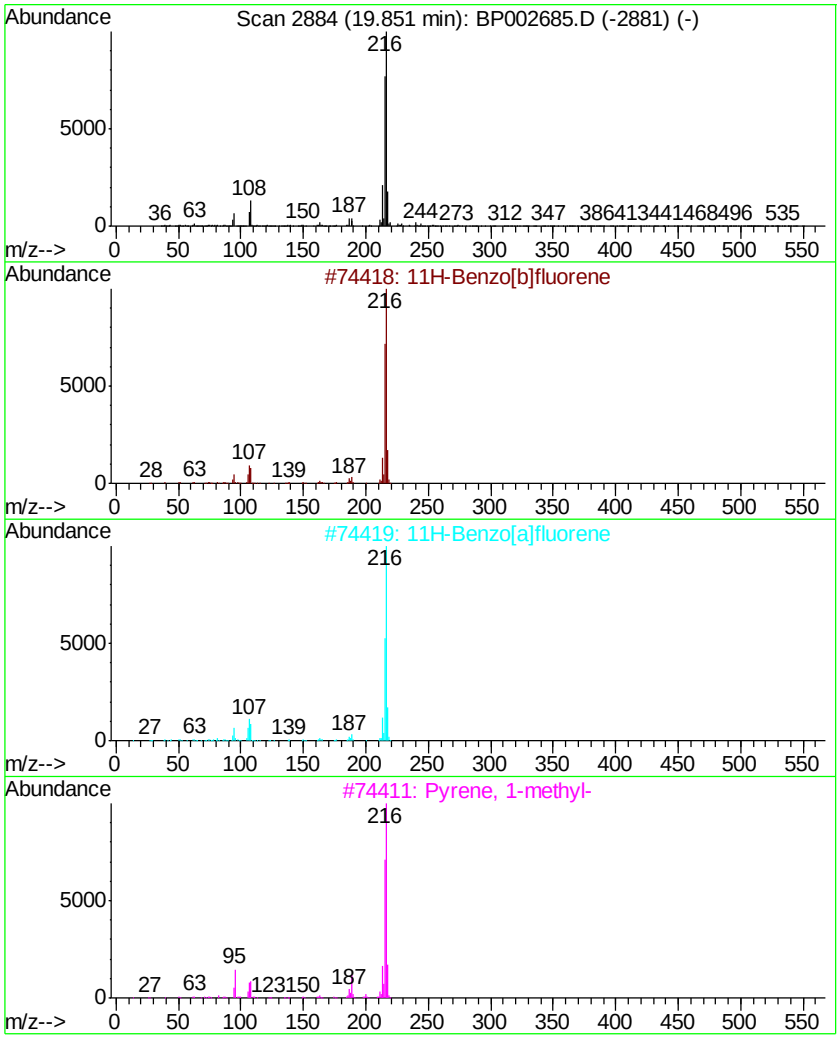
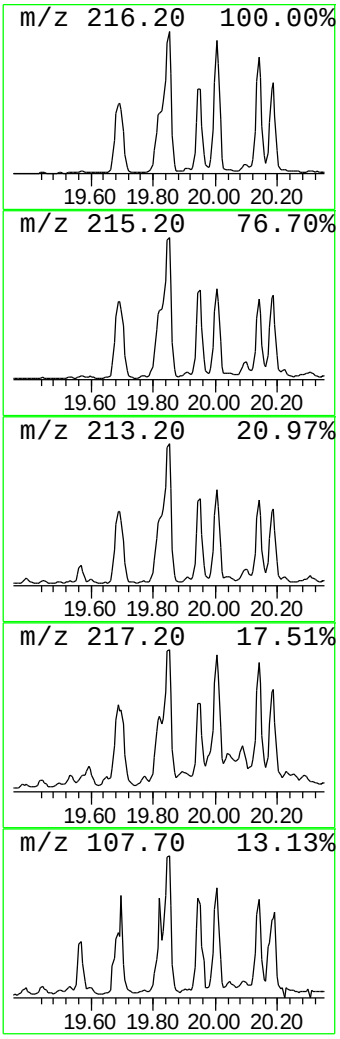
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.85	4.23 ng	2010970	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	64





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Sample : L3183-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-02-070720

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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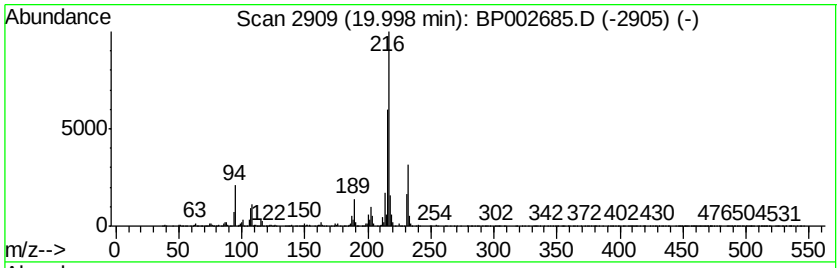
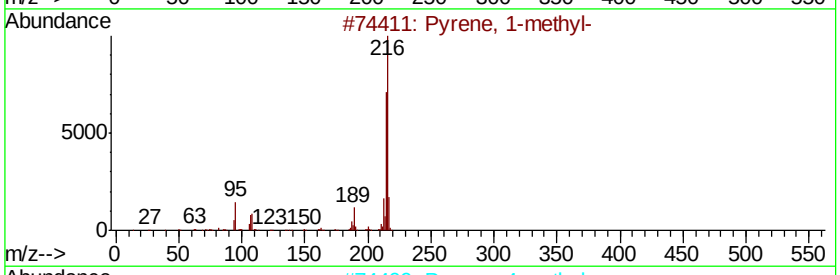
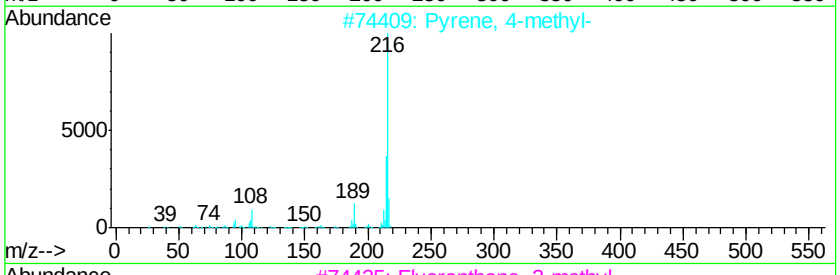
Peak Number 16 Pyrene, 4-methyl- Concentration Rank 16

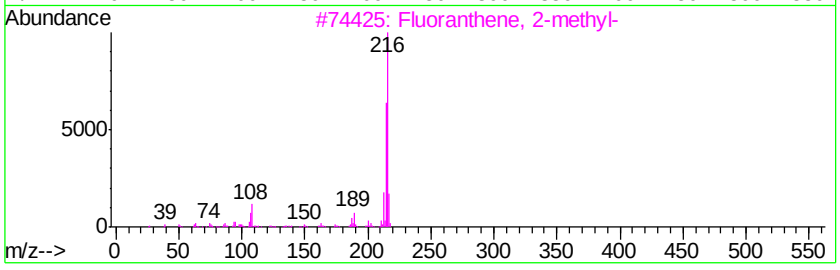
R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	4.41 ng	2097380	Chrysene-d12	21.09

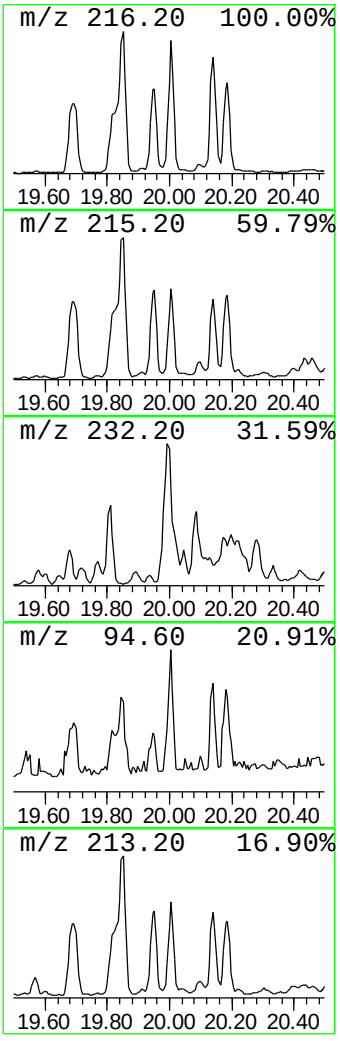
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87











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Data File : BP002685.D
Acq On : 08 Jul 2020 20:51
Operator : CG/JU
Sample : L3183-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-02-070720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP062920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

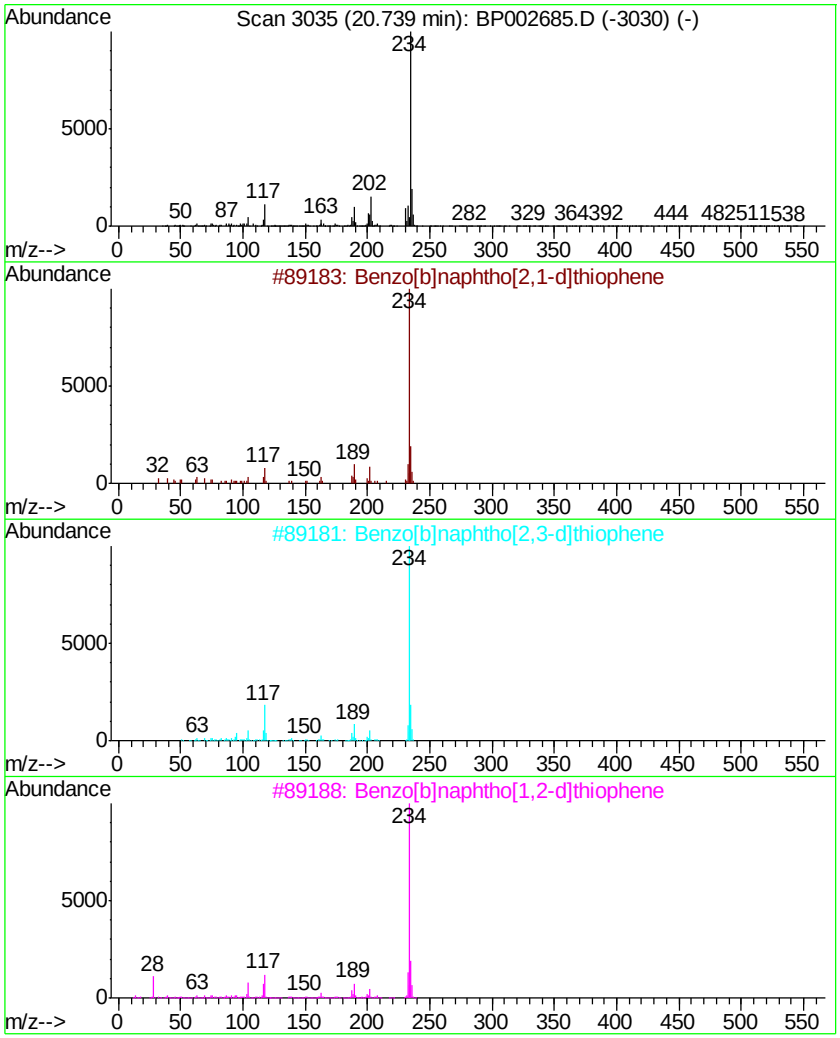
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

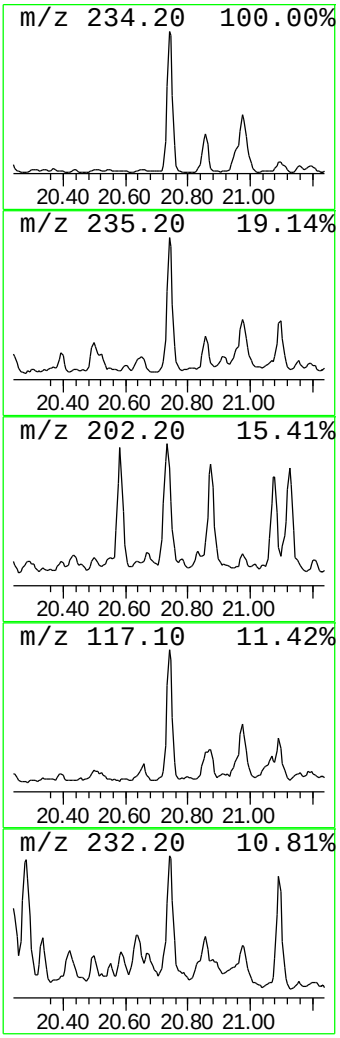
****

Peak Number 17 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.74	3.53 ng	1676490	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	81
4	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	59
5	Anthra[1,9a,9-cd:5,10a,10-c'd']d...	234	C14H6N2O2	000201-91-2	53





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Data File : BP002685.D
Acq On : 08 Jul 2020 20:51
Operator : CG/JU
Sample : L3183-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-02-070720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP062920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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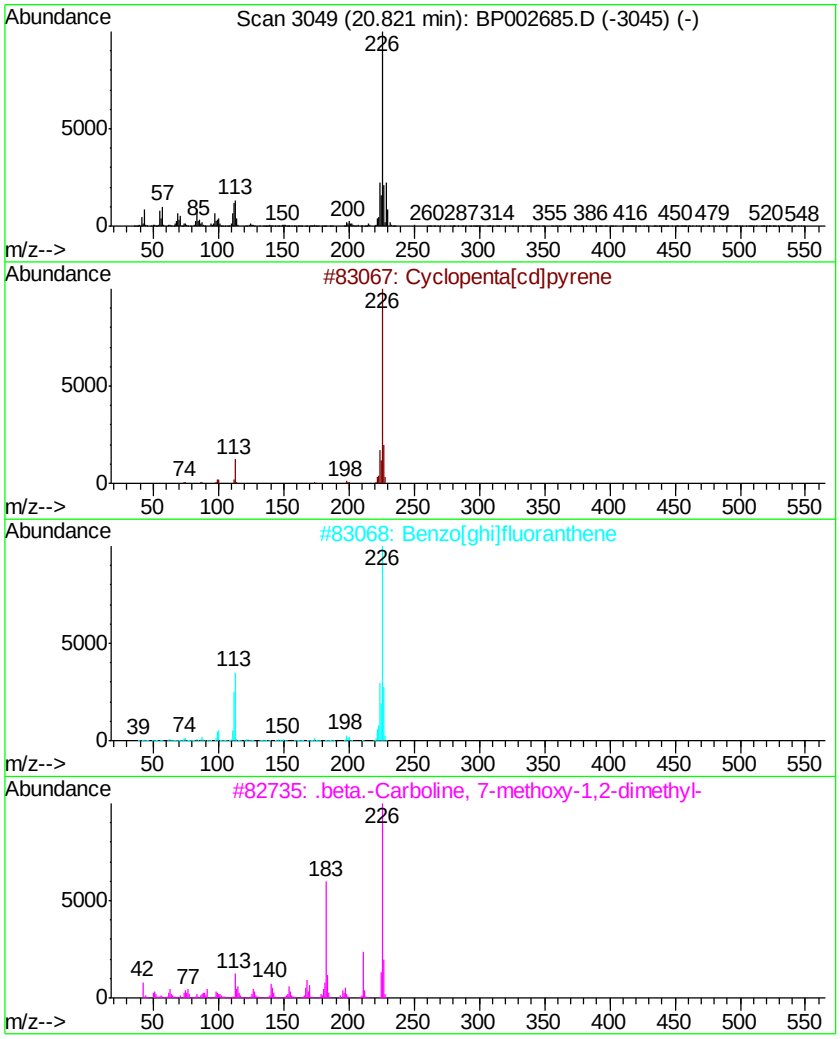
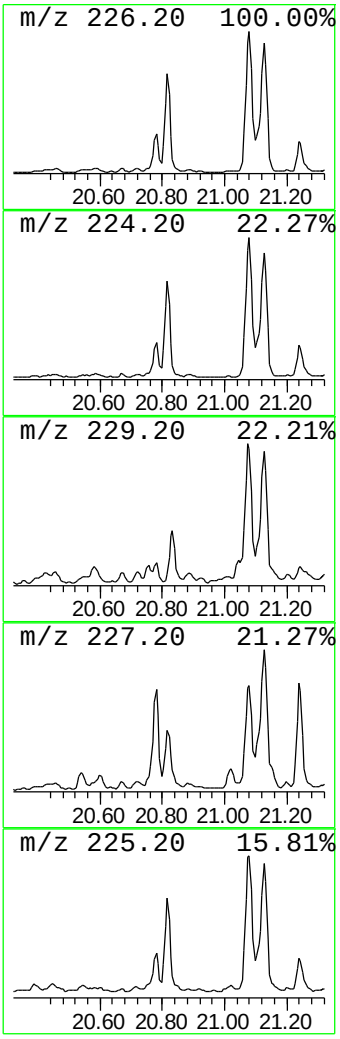
Peak Number 18 Cyclopenta[cd]pyrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.82	4.15 ng	1971940	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	64
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	60
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	52
4	p-Anisaldehyde phenylhydrazone	226	C14H14N2O	000622-73-1	49
5	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070820\
Data File : BP002685.D
Acq On : 08 Jul 2020 20:51
Operator : CG/JU
Sample : L3183-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-02-070720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP062920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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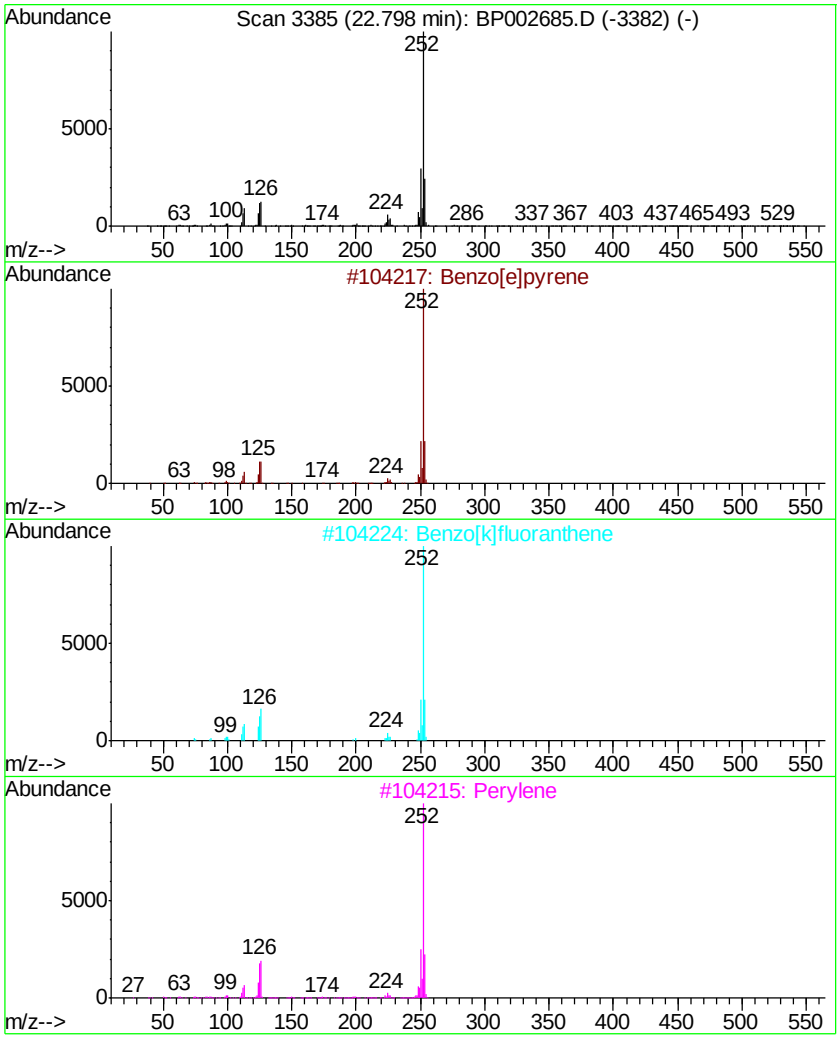
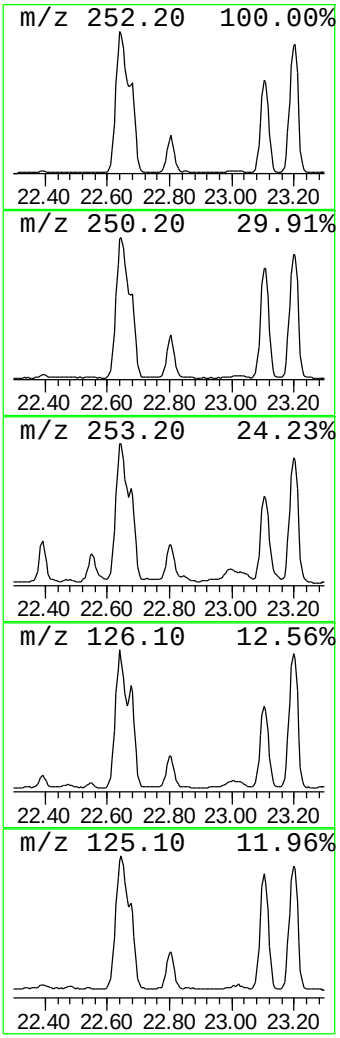
Peak Number 19 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.80	19.23 ng	1371110	Perylene-d12	23.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Perylene	252	C20H12	000198-55-0	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070820\
Data File : BP002685.D
Acq On : 08 Jul 2020 20:51
Operator : CG/JU
Sample : L3183-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-02-070720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP062920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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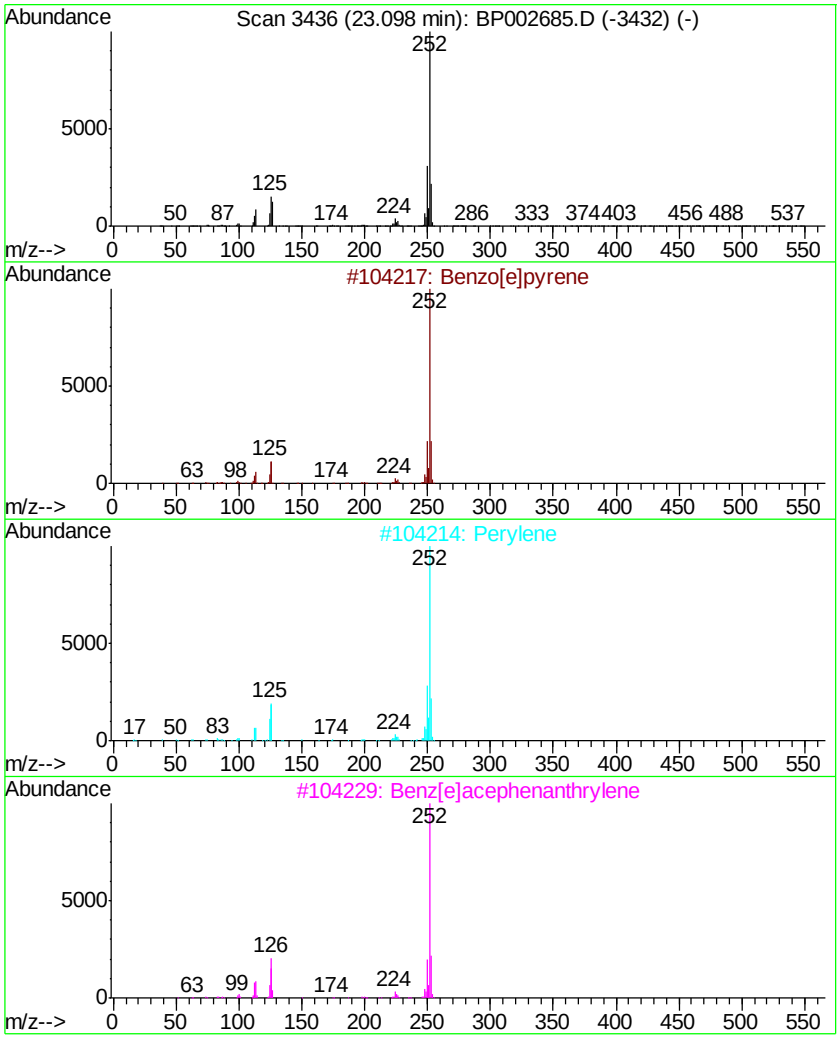
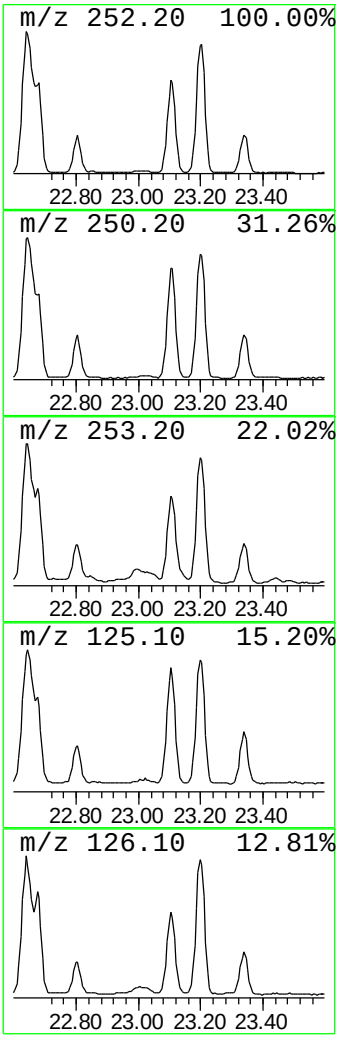
Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.10	52.42 ng	3736960	Perylene-d12	23.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	94
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP070820\
Data File : BP002685.D
Acq On : 08 Jul 2020 20:51
Operator : CG/JU
Sample : L3183-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-02-070720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP062920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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
Phenanthrene, 2-m...	17.86	10.7	ng	1648300	4	16.98	3090330	20.0
Phenanthrene, 1-m...	17.90	12.6	ng	1942220	4	16.98	3090330	20.0
Anthracene, 2-met...	17.98	6.4	ng	994219	4	16.98	3090330	20.0
4H-Cyclopenta[def...	18.05	20.7	ng	3194100	4	16.98	3090330	20.0
1H-Cyclopropa[l]p...	18.08	7.4	ng	1137040	4	16.98	3090330	20.0
Naphthalene, 2-ph...	18.35	4.5	ng	691026	4	16.98	3090330	20.0
9,10-Anthracenedione	18.39	6.6	ng	1024150	4	16.98	3090330	20.0
Phenanthrene, 3,6...	18.64	6.7	ng	1026850	4	16.98	3090330	20.0
Phenanthrene, 1,7...	18.67	3.9	ng	594580	4	16.98	3090330	20.0
Phenanthrene, 2,5...	18.76	11.8	ng	1826340	4	16.98	3090330	20.0
Acephenanthrylene...	18.82	8.4	ng	1298380	4	16.98	3090330	20.0
Cyclopenta(def)ph...	18.89	11.3	ng	1744950	4	16.98	3090330	20.0
Pyrene, 1-methyl-	19.69	5.0	ng	2385380	5	21.09	9501550	20.0
11H-Benzo[b]fluorene	19.85	4.2	ng	2010970	5	21.09	9501550	20.0
Pyrene, 4-methyl-	20.00	4.4	ng	2097380	5	21.09	9501550	20.0
Benzo[b]naphtho[2...	20.74	3.5	ng	1676490	5	21.09	9501550	20.0
Cyclopenta[cd]pyrene	20.82	4.2	ng	1971940	5	21.09	9501550	20.0
Benzo[e]pyrene	22.80	19.2	ng	1371110	6	23.29	1425690	20.0
Perylene	23.10	52.4	ng	3736960	6	23.29	1425690	20.0