LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP071520\
Data File : BP002766.D
Acq On : 15 Jul 2020 21:53
Operator : CG/JU
Sample : L3183-06 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-01-071420

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-BP071020.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	5.187	385	391	407	rBV	206725	334628	6.39%	0.637%
2	6.769	653	660	672	rBV	174923	347552	6.64%	0.661%
3	7.558	786	794	808	rBV	586037	969059	18.52%	1.844%
4	8.099	879	886	894	rBV	29955	68798	1.31%	0.131%
5	8.710	984	990	1004	rBV	104720	202006	3.86%	0.384%
6	10.334	1258	1266	1272	rBV	778168	1323491	25.29%	2.519%
7	12.228	1583	1588	1598	rVB	43867	77716	1.49%	0.148%
8	12.828	1683	1690	1700	rBV	349308	551669	10.54%	1.050%
9	13.381	1777	1784	1792	rBV4	25907	70190	1.34%	0.134%
10	13.534	1804	1810	1815	rBV	64391	115153	2.20%	0.219%
11	13.669	1825	1833	1842	rBV2	119915	209688	4.01%	0.399%
12	13.928	1870	1877	1894	rBV	335844	617633	11.80%	1.175%
13	14.210	1919	1925	1932	rBV	1110132	1710629	32.69%	3.256%
14	14.275	1932	1936	1945	rVB	89034	144483	2.76%	0.275%
15	14.440	1958	1964	1973	rBV3	26052	65782	1.26%	0.125%
16	14.622	1988	1995	2003	rVV3	59098	126413	2.42%	0.241%
17	14.704	2004	2009	2014	rVB	49103	71794	1.37%	0.137%
18	14.839	2025	2032	2039	rBV3	59437	144219	2.76%	0.274%
19	15.092	2071	2075	2084	rBV2	65568	112750	2.15%	0.215%
20	15.216	2092	2096	2100	rVV2	55891	85210	1.63%	0.162%
21	15.269	2100	2105	2118	rVB	169723	327739	6.26%	0.624%
22	15.475	2136	2140	2146	rBV2	30047	66985	1.28%	0.127%
23	15.569	2151	2156	2159	rBV	51008	80726	1.54%	0.154%
24	15.716	2177	2181	2190	rVB2	251532	417929	7.99%	0.795%
25	15.957	2217	2222	2227	rBV4	64408	122804	2.35%	0.234%
26	16.281	2271	2277	2282	rBV2	72676	158055	3.02%	0.301%
27	16.334	2282	2286	2292	rVB3	52938	85851	1.64%	0.163%
28	16.434	2298	2303	2309	rVB2	51252	83993	1.61%	0.160%
29	16.557	2320	2324	2328	rVB	54564	75518	1.44%	0.144%
30	16.634	2333	2337	2347	rVB4	65471	126253	2.41%	0.240%
31	16.716	2347	2351	2357	rBV	44469	82842	1.58%	0.158%
32	16.792	2357	2364	2368	rBV	110029	197545	3.78%	0.376%
33	16.975	2389	2395	2398	rBV	1368384	1924706	36.78%	3.663%
34	17.016	2398	2402	2407	rVB	1295040	1795137	34.31%	3.416%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP071520\
Data File : BP002766.D
Acq On : 15 Jul 2020 21:53
Operator : CG/JU
Sample : L3183-06 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-01-071420

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-BP071020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	17.104	2412	2417	2424	rVV	683890	1001201	19.13%	1.905%
36	17.175	2424	2429	2435	rVV4	77702	152054	2.91%	0.289%
37	17.386	2461	2465	2469	rBV	74006	99004	1.89%	0.188%
38	17.504	2481	2485	2489	rVB2	76587	106971	2.04%	0.204%
39	17.557	2490	2494	2501	rVB	136433	193011	3.69%	0.367%
40	17.704	2515	2519	2525	rVB	91618	158454	3.03%	0.302%
41	17.775	2528	2531	2535	rVV2	39690	56569	1.08%	0.108%
42	17.851	2539	2544	2548	rVV	401353	606664	11.59%	1.155%
43	17.898	2548	2552	2559	rVB	533923	721293	13.78%	1.373%
44	17.980	2561	2566	2570	rVV	274329	386647	7.39%	0.736%
45	18.039	2570	2576	2580	rVV2	714925	1281120	24.48%	2.438%
46	18.075	2580	2582	2591	rVB	326494	430045	8.22%	0.818%
47	18.192	2599	2602	2606	rVB5	50604	61898	1.18%	0.118%
48	18.245	2607	2611	2614	rVV2	91952	119169	2.28%	0.227%
49	18.339	2624	2627	2631	rVV	210446	247785	4.74%	0.472%
50	18.380	2631	2634	2640	rVB2	142517	247206	4.72%	0.470%
51	18.557	2660	2664	2666	rBV	97320	141858	2.71%	0.270%
52	18.580	2666	2668	2673	rVV	146045	219310	4.19%	0.417%
53	18.633	2673	2677	2680	rVV	246065	332731	6.36%	0.633%
54	18.669	2680	2683	2687	rVB2	162232	215632	4.12%	0.410%
55	18.751	2692	2697	2701	rBV	489705	741754	14.17%	1.412%
56	18.810	2702	2707	2710	rVV2	282741	514220	9.83%	0.979%
57	18.839	2710	2712	2716	rVB	158086	155896	2.98%	0.297%
58	18.886	2716	2720	2727	rBV2	330705	605522	11.57%	1.152%
59	19.004	2735	2740	2745	rBV	3197381	4201126	80.28%	7.995%
60	19.069	2749	2751	2754	rVV	105684	130197	2.49%	0.248%
61	19.104	2754	2757	2761	rVB2	108588	126995	2.43%	0.242%
62	19.151	2761	2765	2769	rBV	202788	283096	5.41%	0.539%
63	19.239	2777	2780	2784	rBV2	146884	212006	4.05%	0.403%
64	19.357	2791	2800	2809	rBV	3224270	5232841	100.00%	9.959%
65	19.439	2809	2814	2819	rVB3	218842	429623	8.21%	0.818%
66	19.533	2827	2830	2831	rBV2	161419	162676	3.11%	0.310%
67	19.557	2831	2834	2838	rVB	519300	617783	11.81%	1.176%
68	19.680	2850	2855	2861	rBV3	344348	807700	15.44%	1.537%
69	19.810	2873	2877	2879	rBV3	321497	459501	8.78%	0.875%
70	19.845	2880	2883	2887	rVB	577390	726072	13.88%	1.382%
71	19.939	2896	2899	2903	rVB	352721	415724	7.94%	0.791%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP071520\
Data File : BP002766.D
Acq On : 15 Jul 2020 21:53
Operator : CG/JU
Sample : L3183-06 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-01-071420

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-BP071020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	19.998	2905	2909	2913	rVB2	500545	672444	12.85%	1.280%
73	20.133	2929	2932	2936	rBV	374832	418228	7.99%	0.796%
74	20.174	2936	2939	2944	rVB	372800	484619	9.26%	0.922%
75	20.580	3005	3008	3013	rVB	330334	460036	8.79%	0.876%
76	20.774	3038	3041	3044	rVB	319183	336711	6.43%	0.641%
77	20.816	3044	3048	3052	rBV2	286650	513799	9.82%	0.978%
78	21.074	3087	3092	3097	rBV2	2186706	4441604	84.88%	8.453%
79	21.122	3097	3100	3110	rVB	1571152	2013764	38.48%	3.833%
80	22.633	3351	3357	3361	rBV2	1287164	2833232	54.14%	5.392%
81	23.092	3431	3435	3443	rVB	829822	1481590	28.31%	2.820%
82	23.186	3446	3451	3458	rVB	1282687	2262896	43.24%	4.307%
83	23.280	3463	3467	3472	rVV2	687838	1128856	21.57%	2.148%

Sum of corrected areas: 52544079

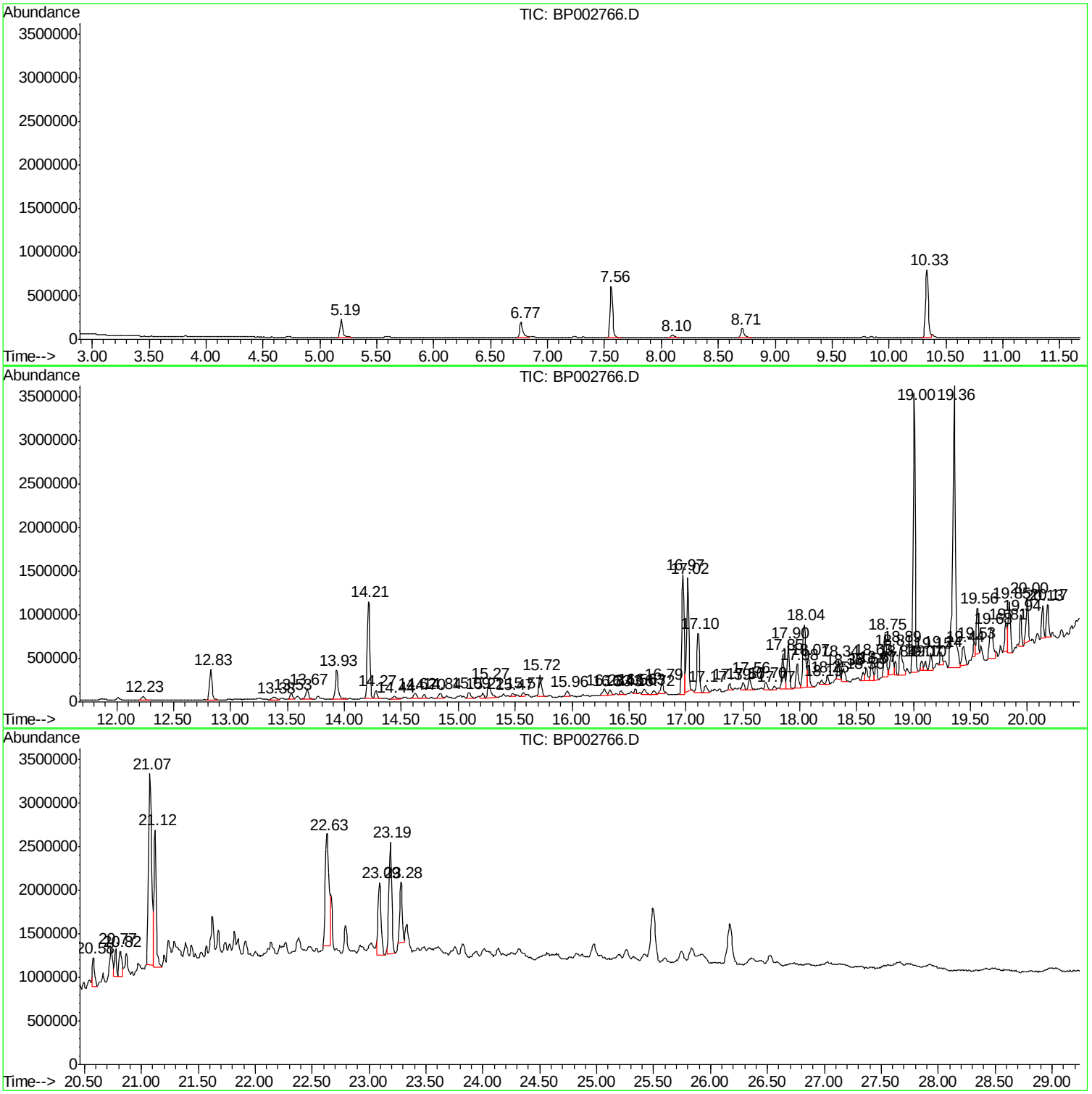
LSC Report - Integrated Chromatogram

Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP071520\
Data File : BP002766.D
Acq On : 15 Jul 2020 21:53
Operator : CG/JU
Sample : L3183-06 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-01-071420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP071520\
Data File : BP002766.D
Acq On : 15 Jul 2020 21:53
Operator : CG/JU
Sample : L3183-06 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-01-071420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

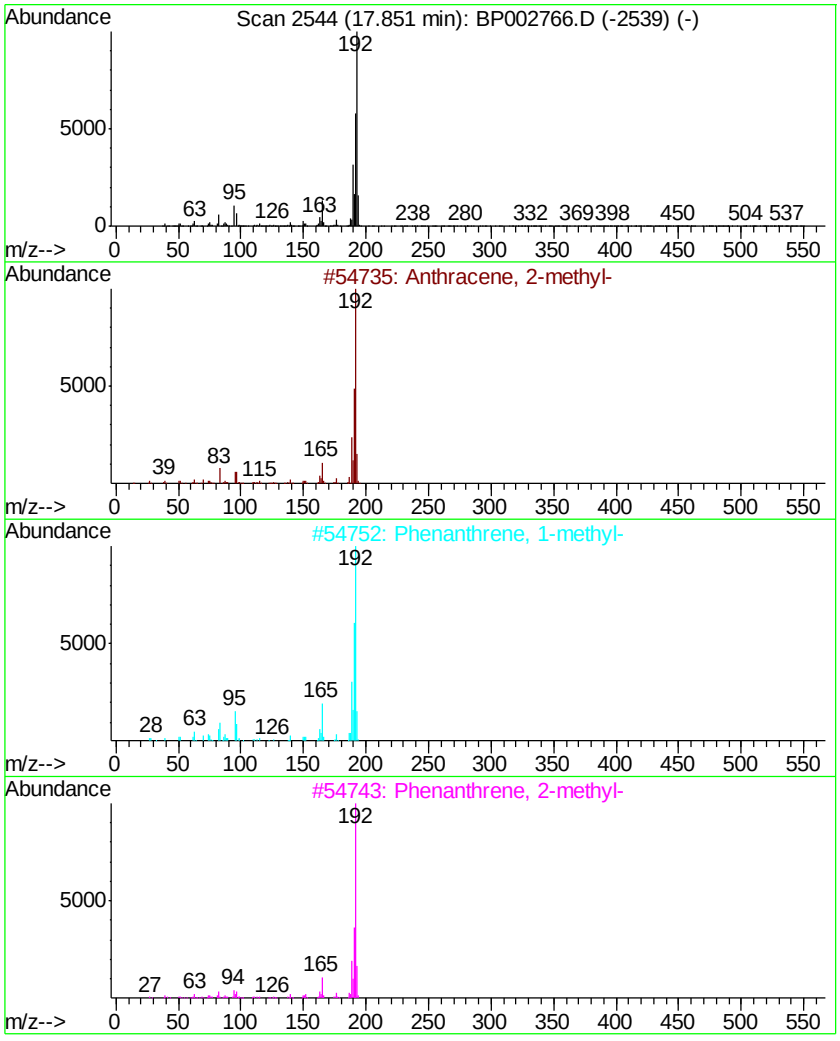
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

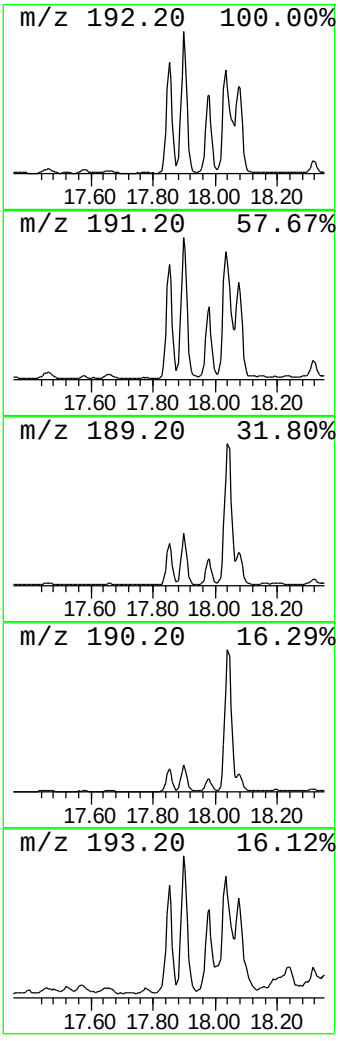
****

Peak Number 2 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.85	6.30 ng	606664	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP071520\
Data File : BP002766.D
Acq On : 15 Jul 2020 21:53
Operator : CG/JU
Sample : L3183-06 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-01-071420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

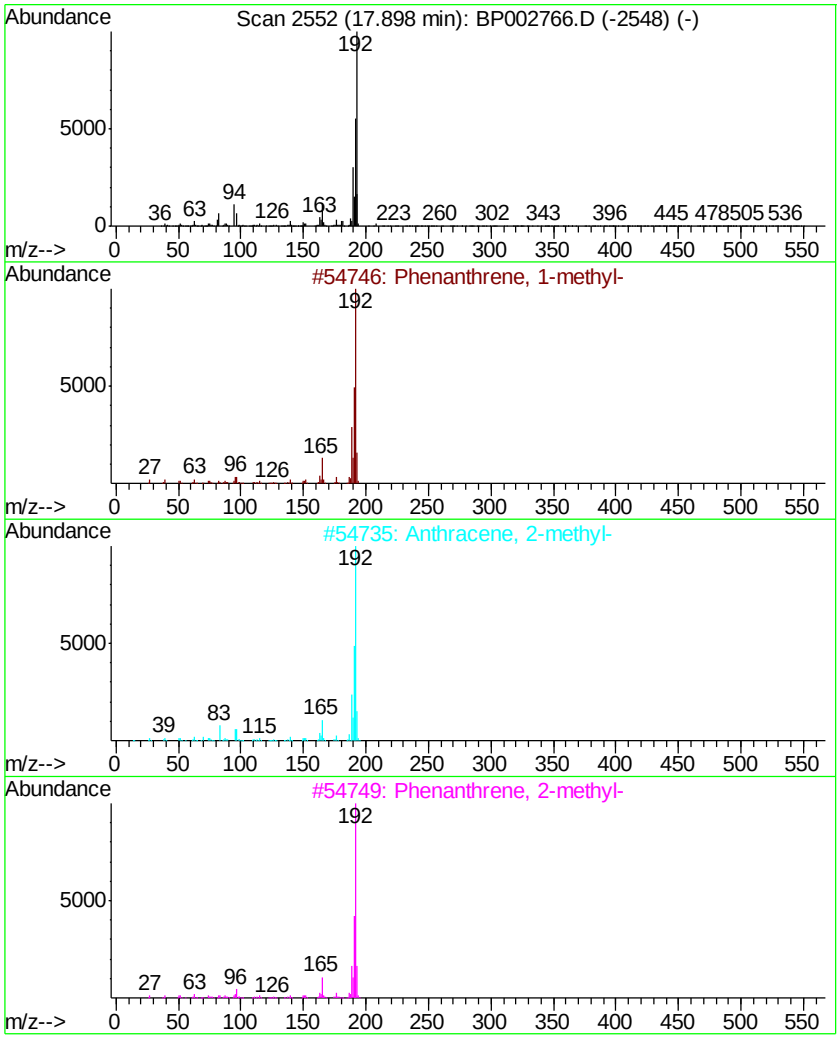
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

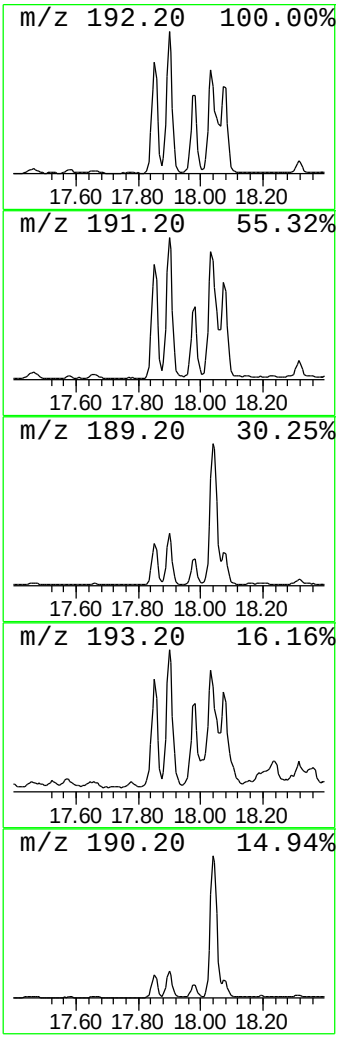
****

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.90	7.50 ng	721293	Phenanthrene-d10	16.97

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	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP071520\
Data File : BP002766.D
Acq On : 15 Jul 2020 21:53
Operator : CG/JU
Sample : L3183-06 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-01-071420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

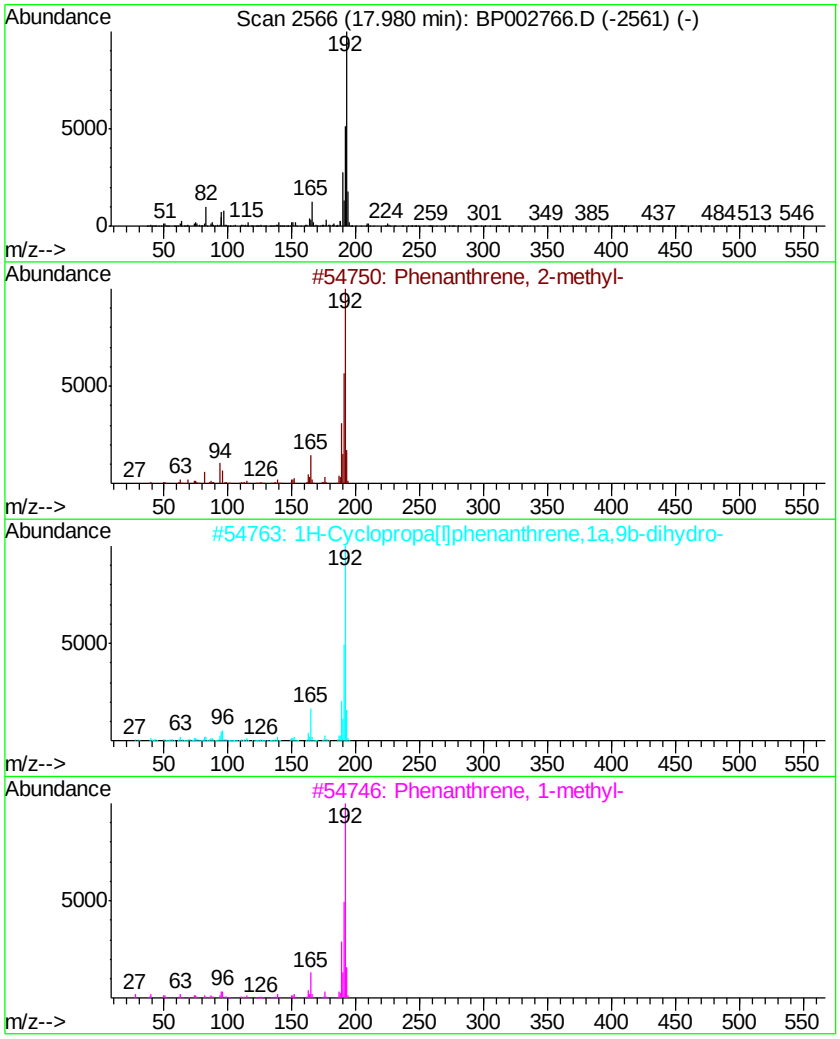
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

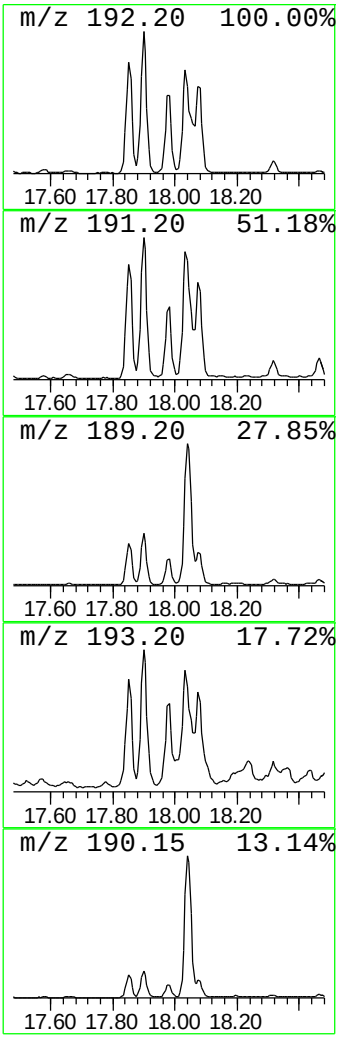
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.98	4.02 ng	386647	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	96





Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP071520\
Data File : BP002766.D
Acq On : 15 Jul 2020 21:53
Operator : CG/JU
Sample : L3183-06 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-01-071420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

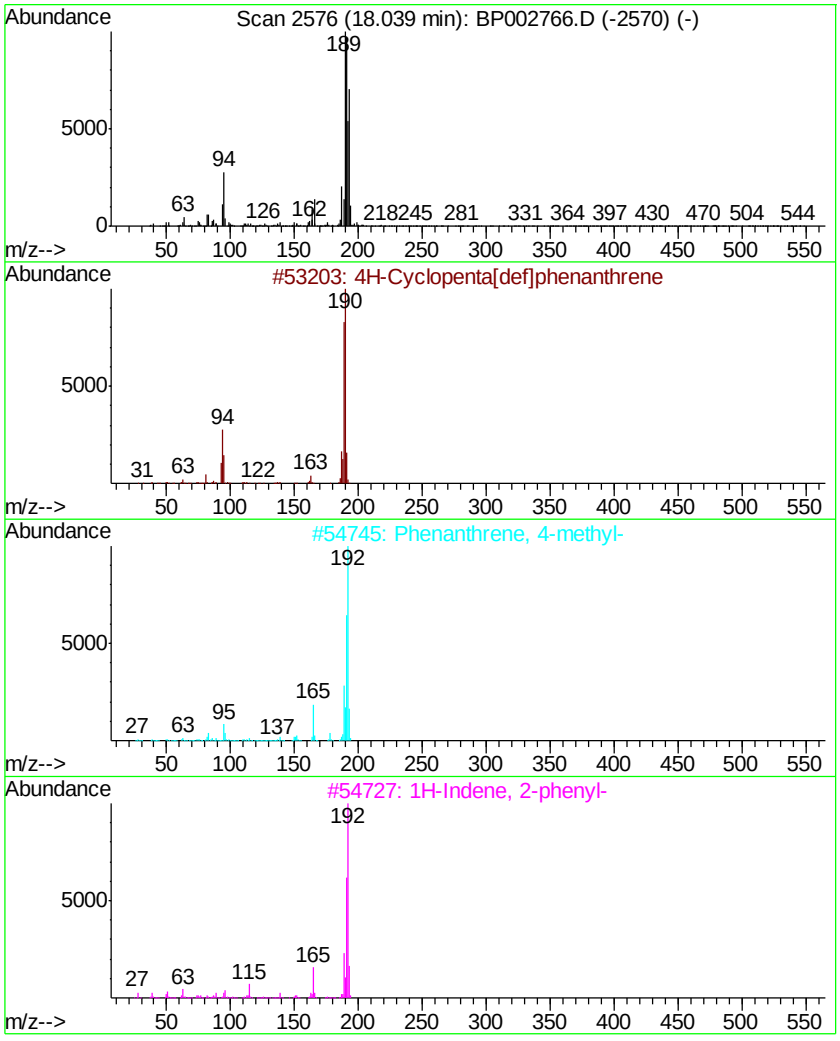
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

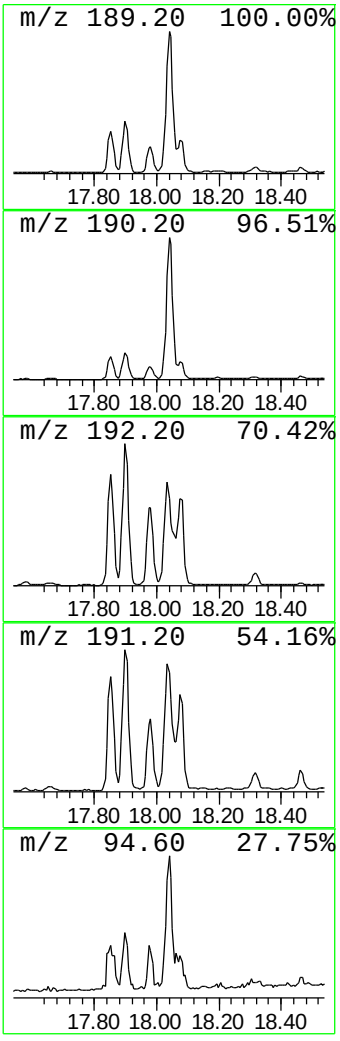
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	13.31 ng	1281120	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	35
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	25
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	25





Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP071520\
Data File : BP002766.D
Acq On : 15 Jul 2020 21:53
Operator : CG/JU
Sample : L3183-06 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-01-071420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

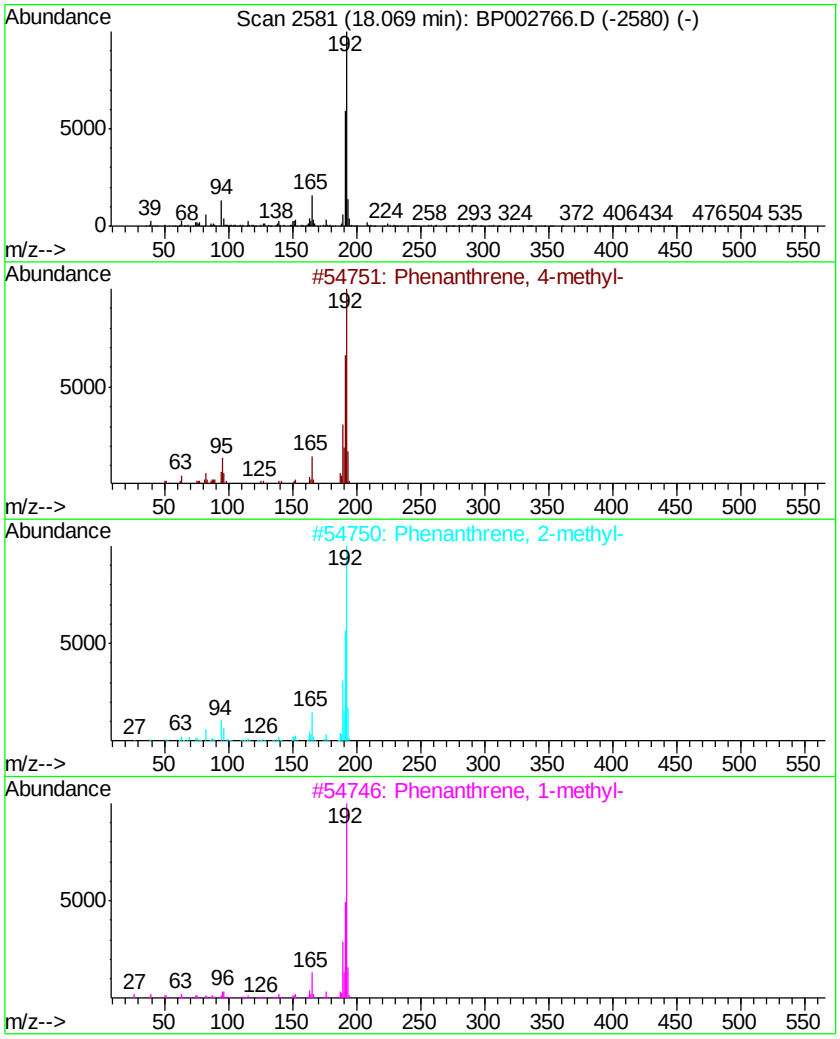
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

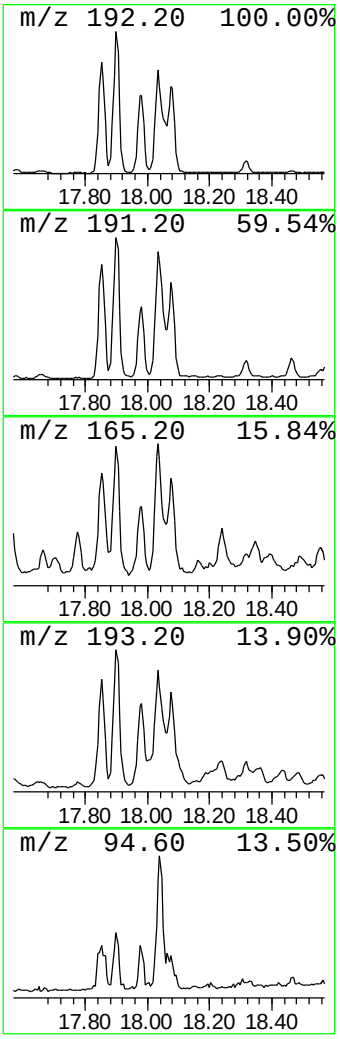
****

Peak Number 6 Phenanthrene, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	4.47 ng	430045	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	83





Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP071520\
Data File : BP002766.D
Acq On : 15 Jul 2020 21:53
Operator : CG/JU
Sample : L3183-06 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-01-071420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

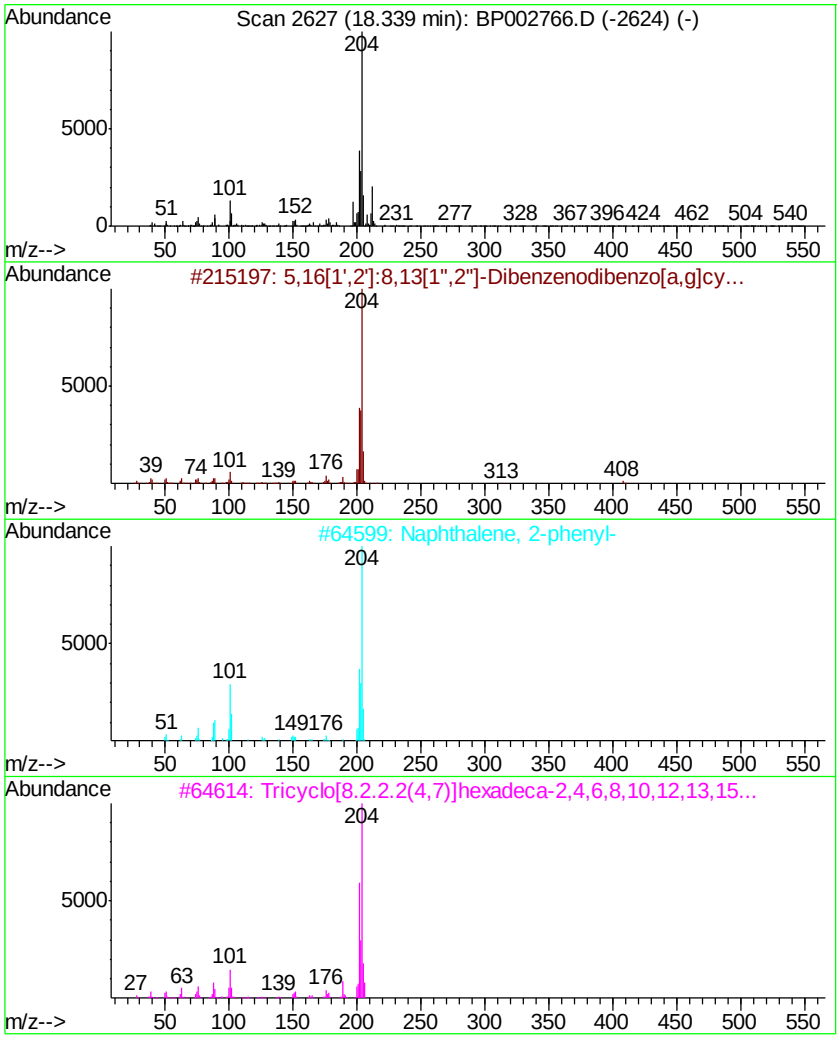
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

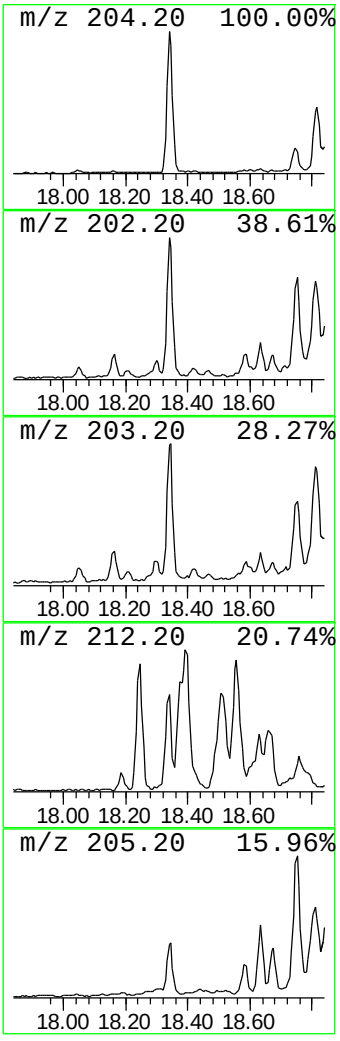
****

Peak Number 7 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	2.57 ng	247785	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	53
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43





Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP071520\
Data File : BP002766.D
Acq On : 15 Jul 2020 21:53
Operator : CG/JU
Sample : L3183-06 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-01-071420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

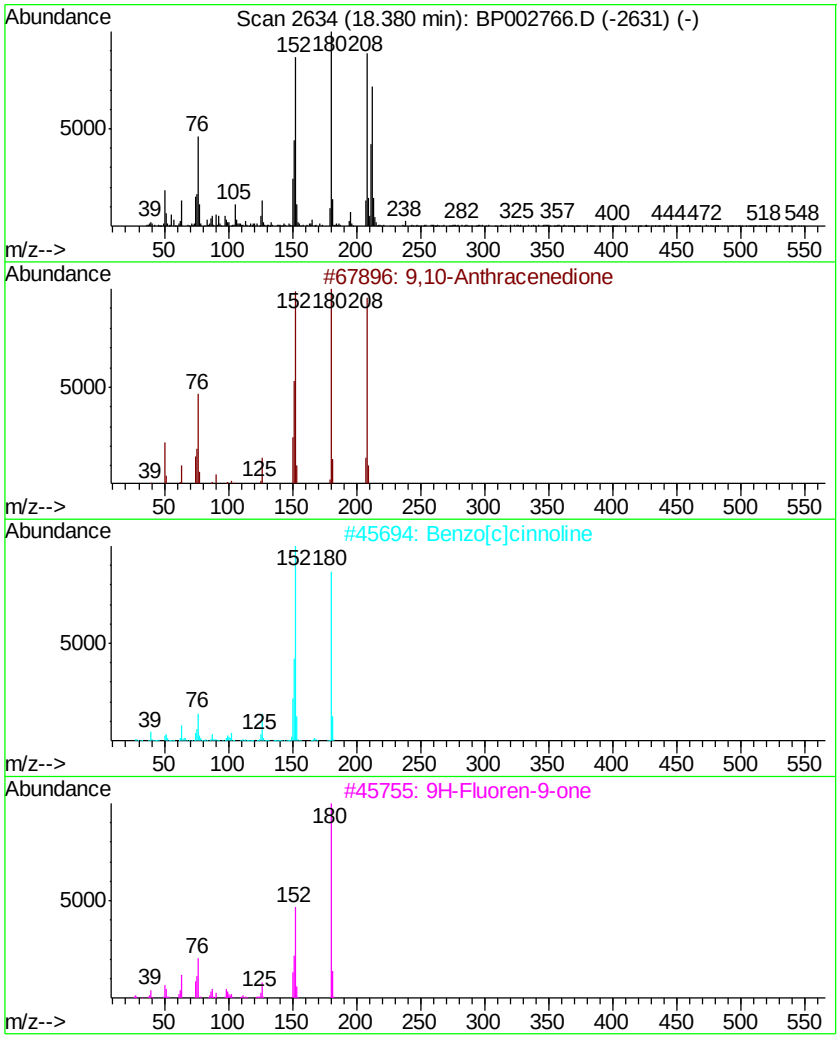
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

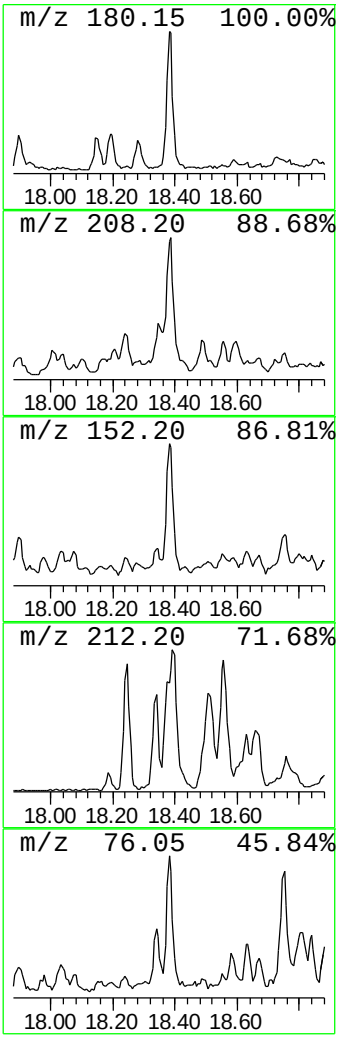
****

Peak Number 8 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	2.57 ng	247206	Phenanthrene-d10	16.97

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	9H-Fluoren-9-one	180	C13H8O	000486-25-9	49
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	45
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	43





Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP071520\
Data File : BP002766.D
Acq On : 15 Jul 2020 21:53
Operator : CG/JU
Sample : L3183-06 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-01-071420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

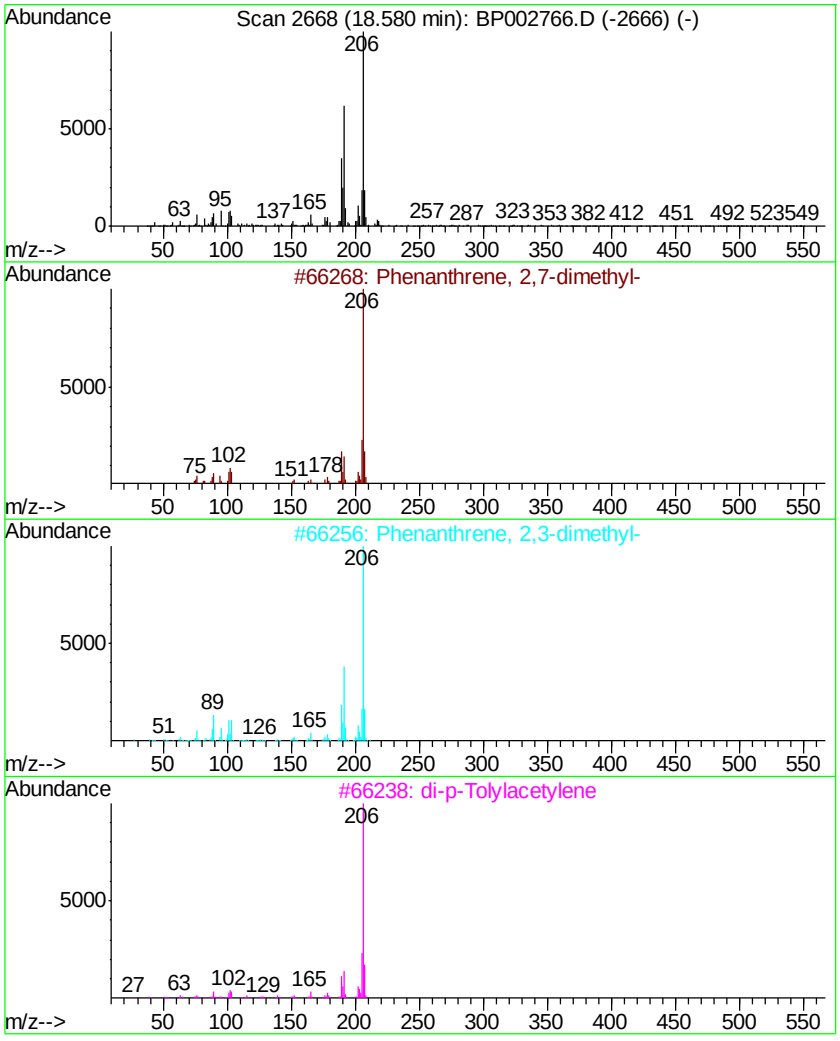
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

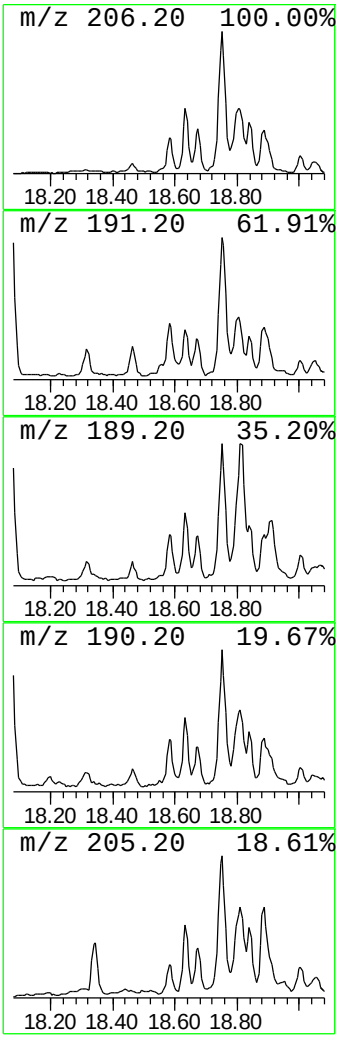
****

Peak Number 9 Phenanthrene, 2,7-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.58	2.28 ng	219310	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
4	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	86
5	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	81





Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP071520\
Data File : BP002766.D
Acq On : 15 Jul 2020 21:53
Operator : CG/JU
Sample : L3183-06 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-01-071420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

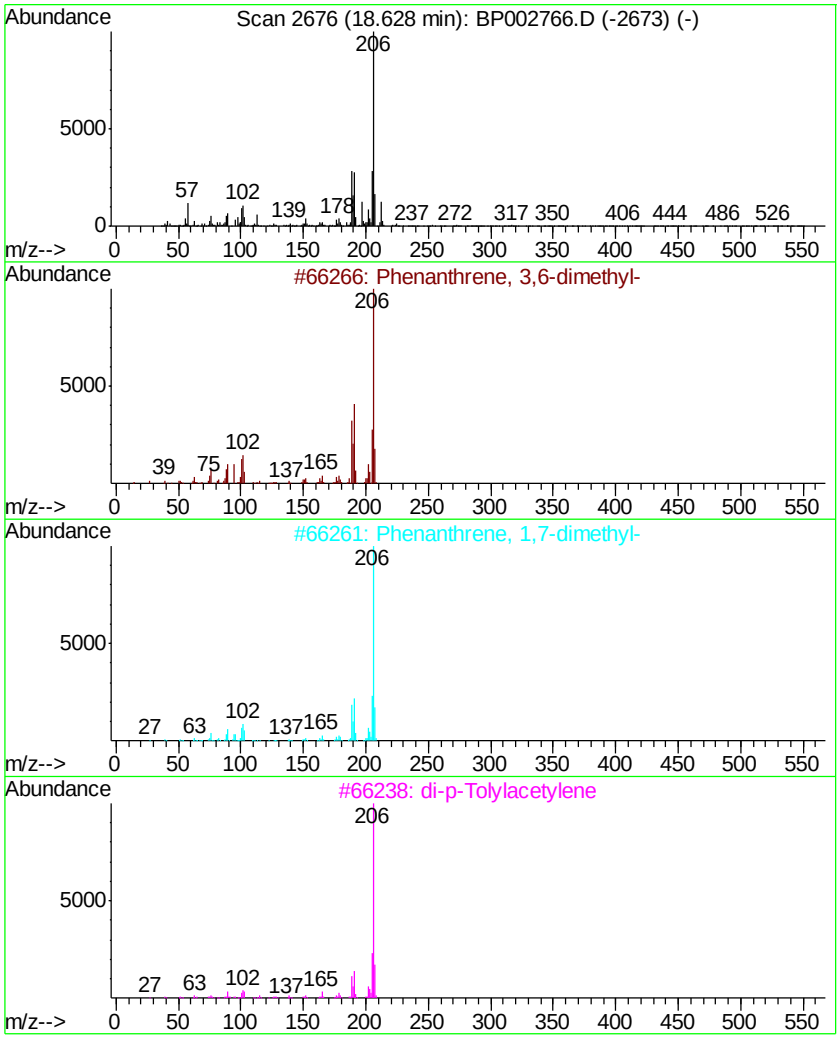
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

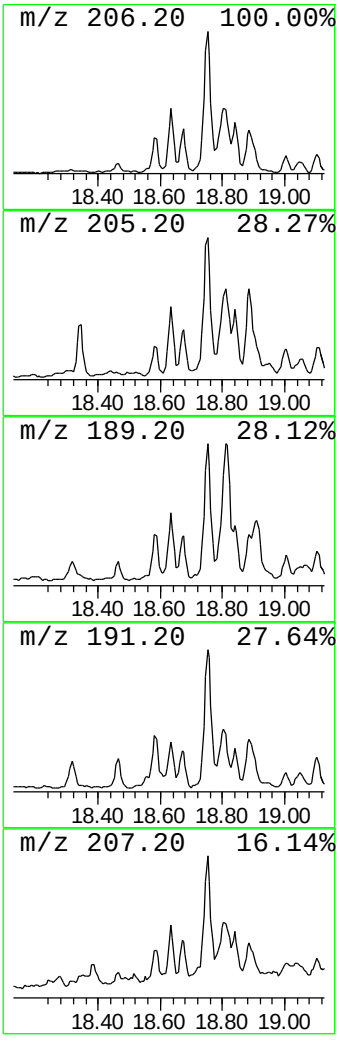
****

Peak Number 10 Phenanthrene, 3,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.63	3.46 ng	332731	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	97
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	96
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	81





Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP071520\
Data File : BP002766.D
Acq On : 15 Jul 2020 21:53
Operator : CG/JU
Sample : L3183-06 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-01-071420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

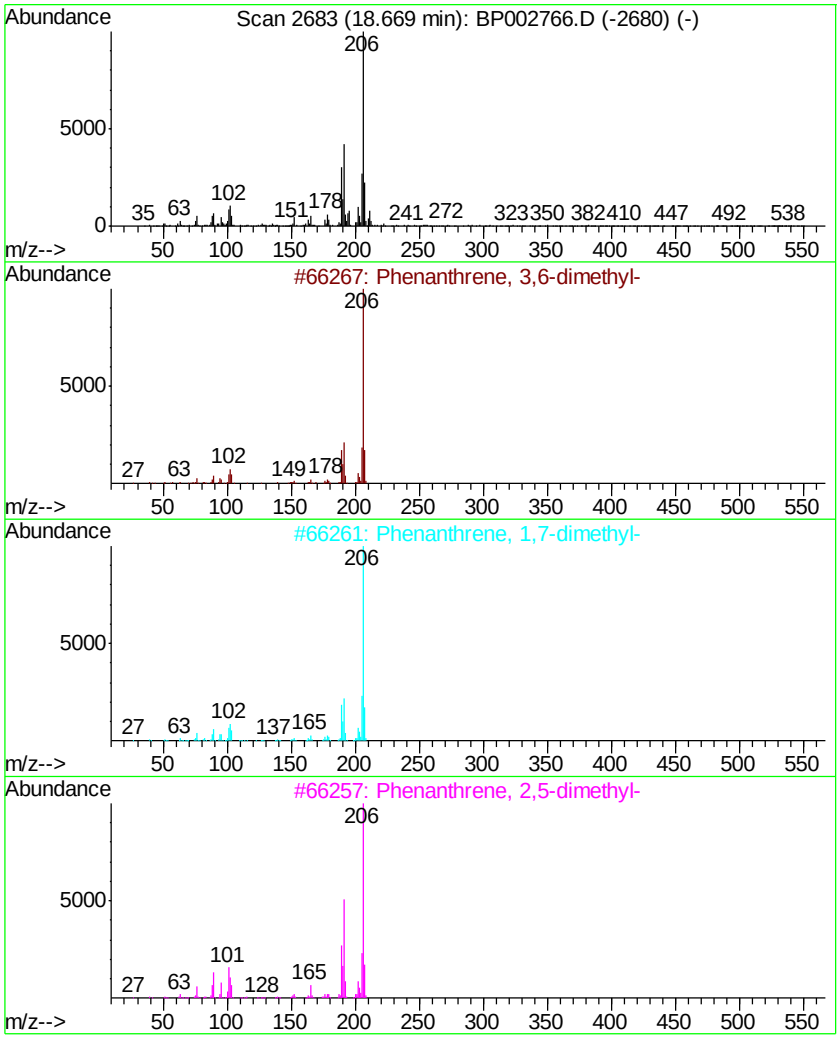
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

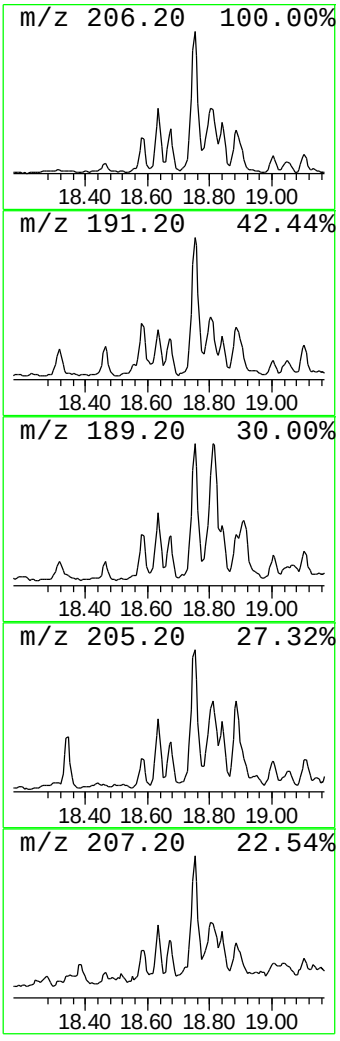
****

Peak Number 11 Phenanthrene, 1,7-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.67	2.24 ng	215632	Phenanthrene-d10	16.97

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	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	89
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	86





Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP071520\
Data File : BP002766.D
Acq On : 15 Jul 2020 21:53
Operator : CG/JU
Sample : L3183-06 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-01-071420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

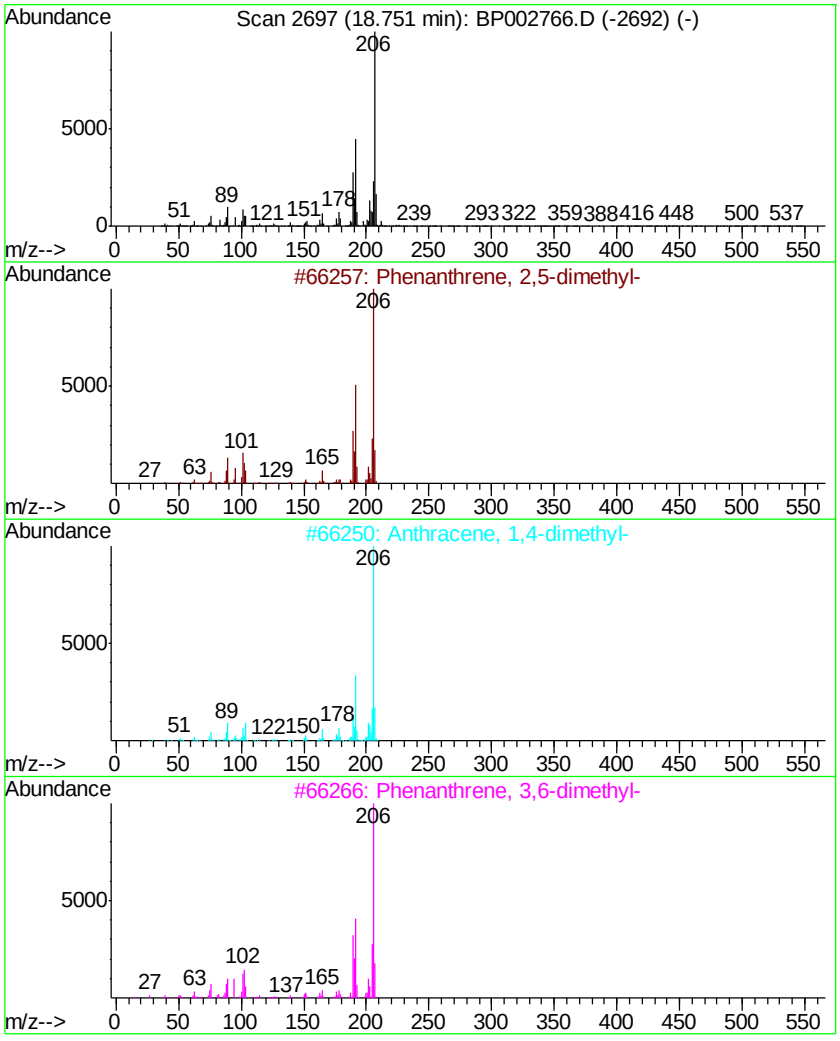
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

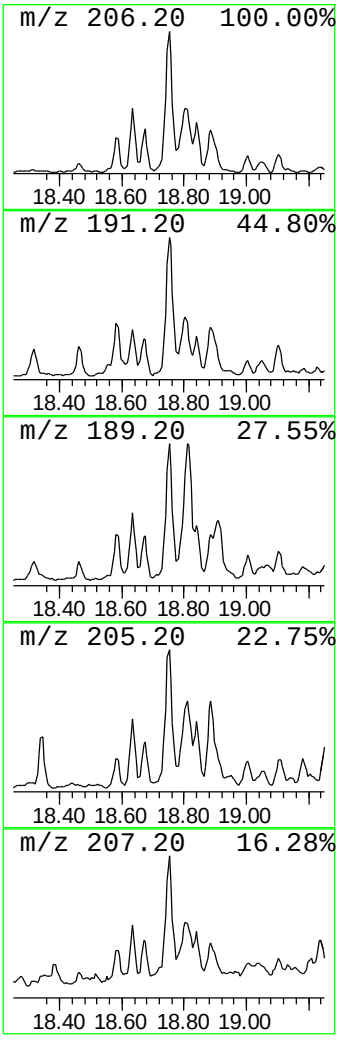
****

Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.75	7.71 ng	741754	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP071520\
Data File : BP002766.D
Acq On : 15 Jul 2020 21:53
Operator : CG/JU
Sample : L3183-06 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-01-071420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

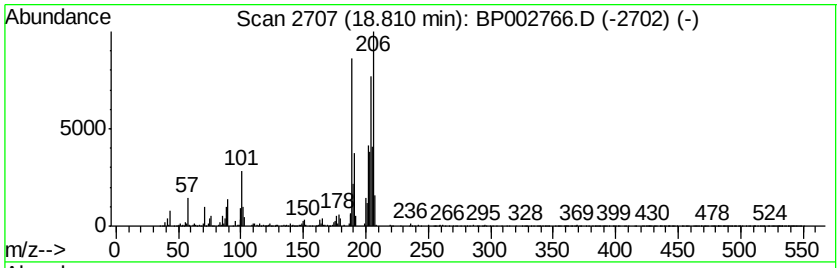
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

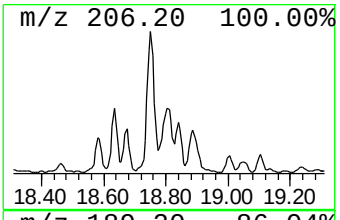
****

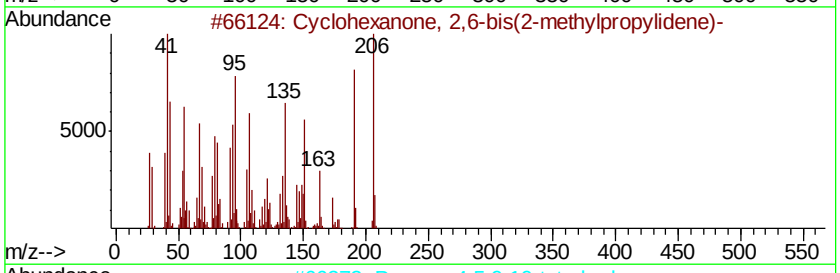
Peak Number 13 Cyclohexanone, 2,6-bis(2-me... Concentration Rank 7

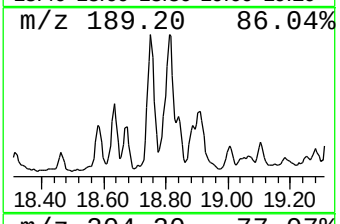
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.81	5.34 ng	514220	Phenanthrene-d10	16.97

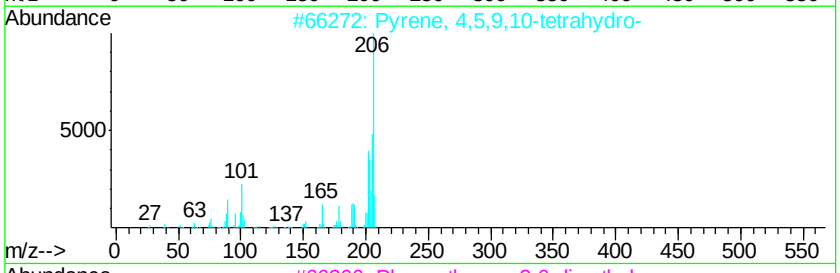
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 2,6-bis(2-methylp...	206	C14H22O	092368-82-6	90
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
4	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	38
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	35

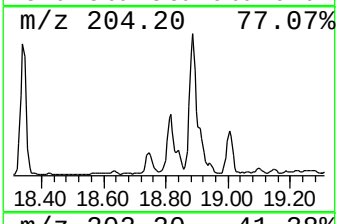


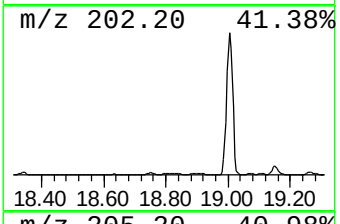


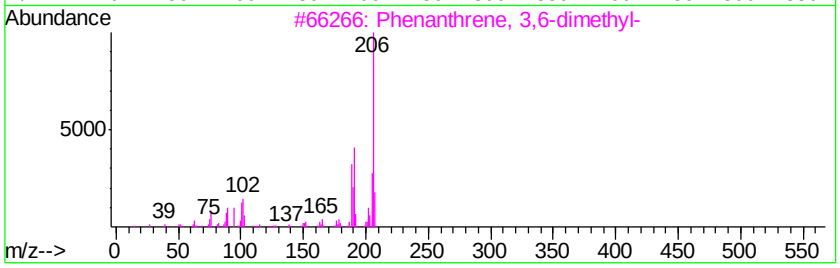


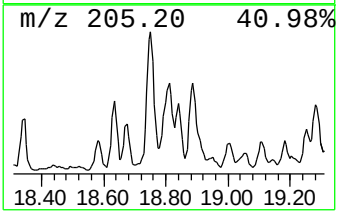












Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP071520\
Data File : BP002766.D
Acq On : 15 Jul 2020 21:53
Operator : CG/JU
Sample : L3183-06 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-01-071420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

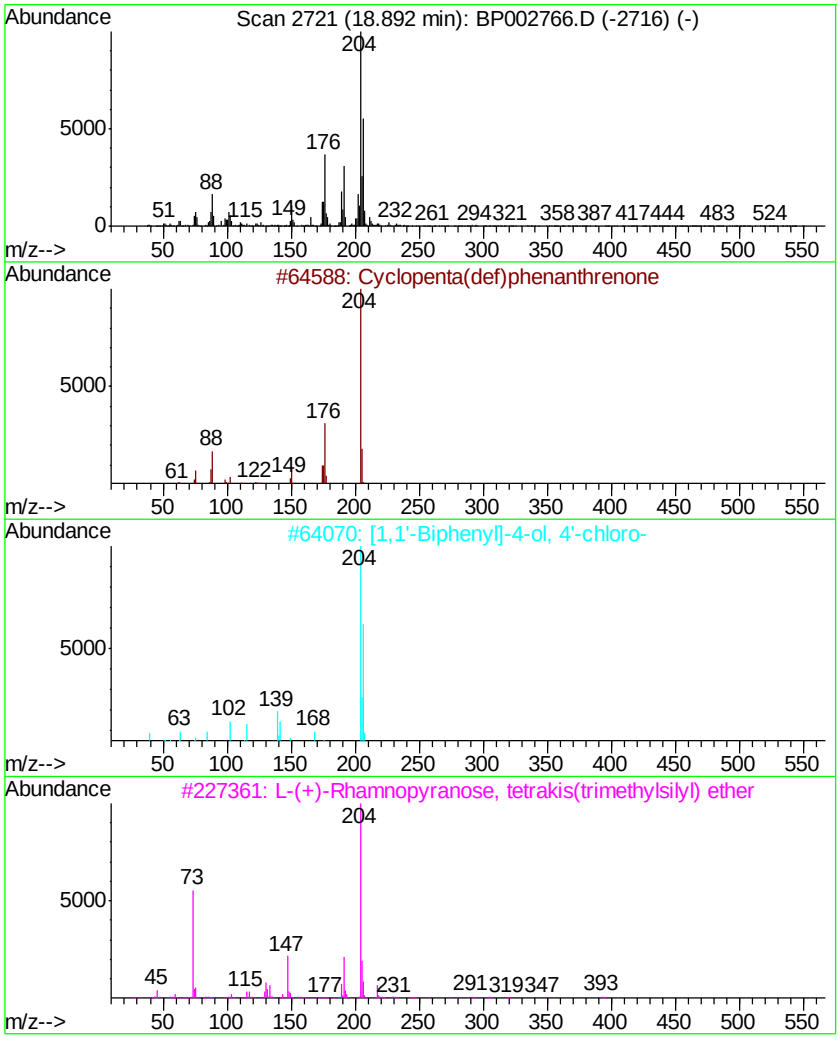
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

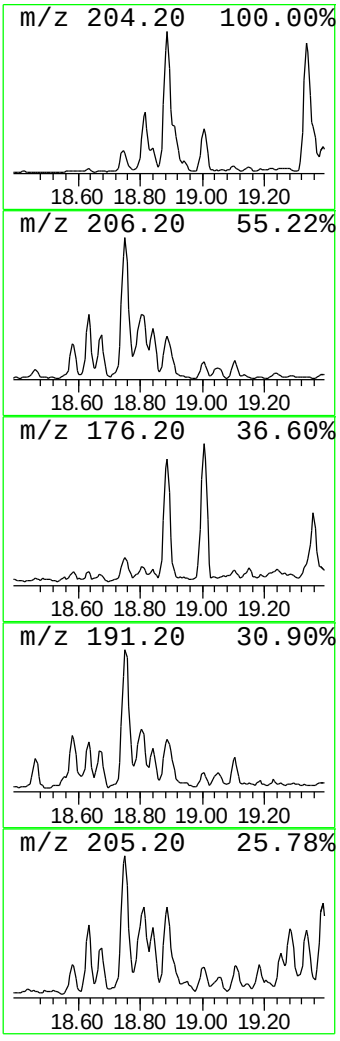
****

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.89	6.29 ng	605522	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	50
3	L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	47
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	43
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41





Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP071520\
Data File : BP002766.D
Acq On : 15 Jul 2020 21:53
Operator : CG/JU
Sample : L3183-06 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-01-071420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

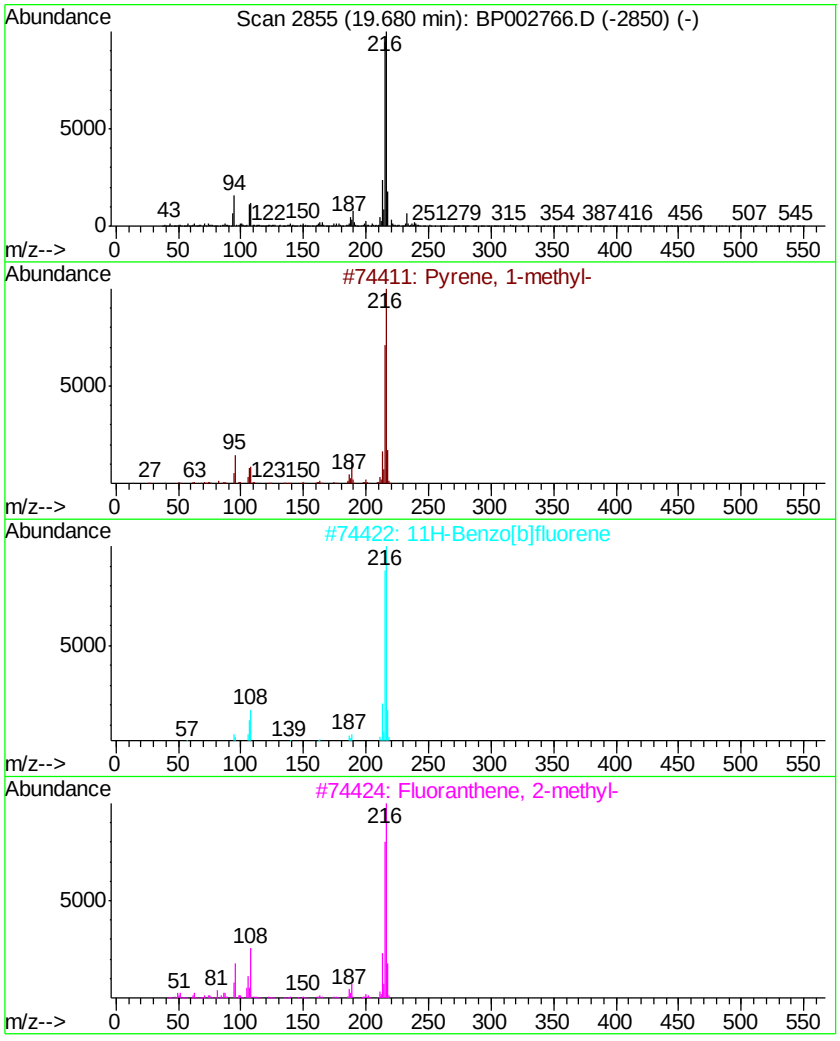
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

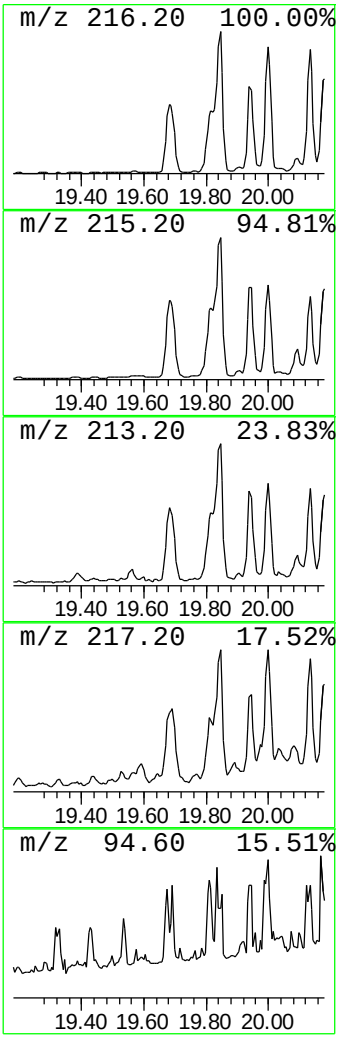
****

Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.68	3.64 ng	807700	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64





Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP071520\
Data File : BP002766.D
Acq On : 15 Jul 2020 21:53
Operator : CG/JU
Sample : L3183-06 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-01-071420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

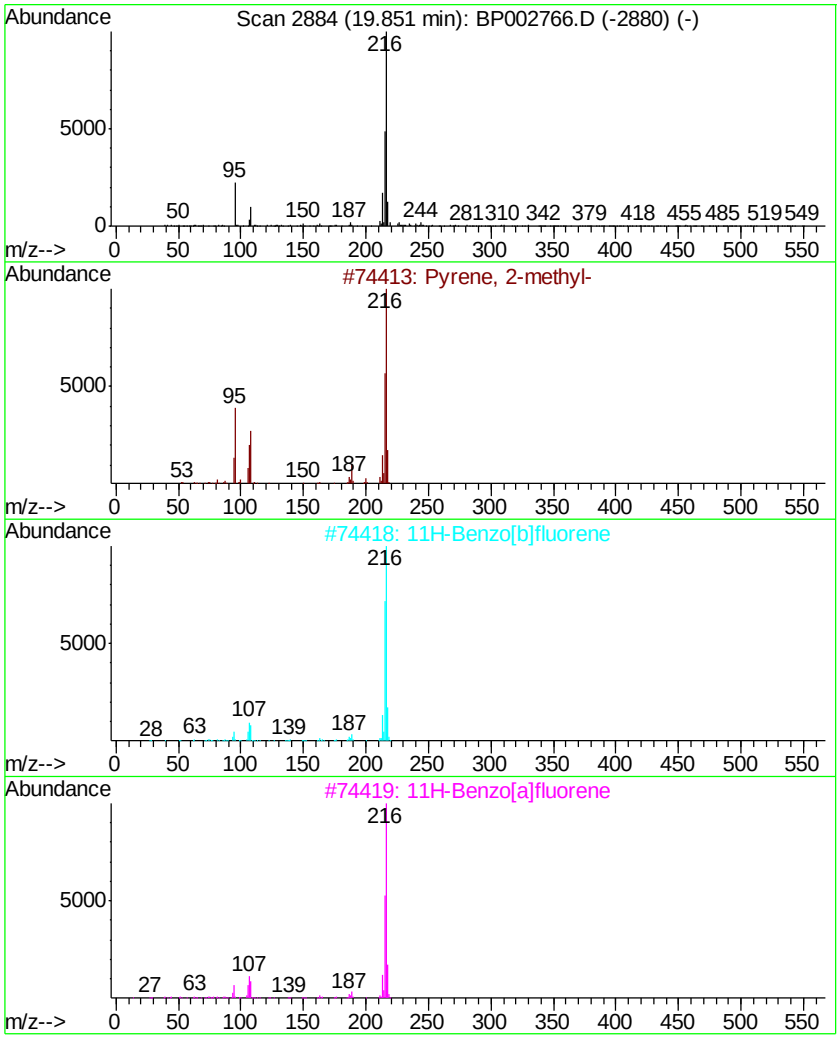
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

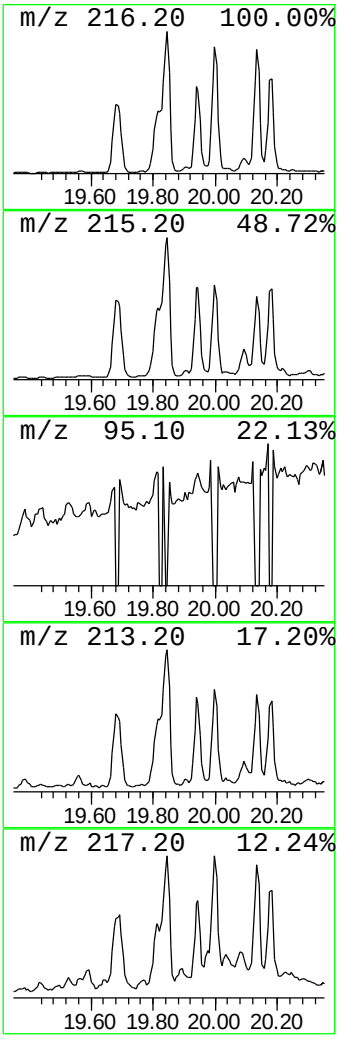
****

Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.85	3.27 ng	726072	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76





Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP071520\
Data File : BP002766.D
Acq On : 15 Jul 2020 21:53
Operator : CG/JU
Sample : L3183-06 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-01-071420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

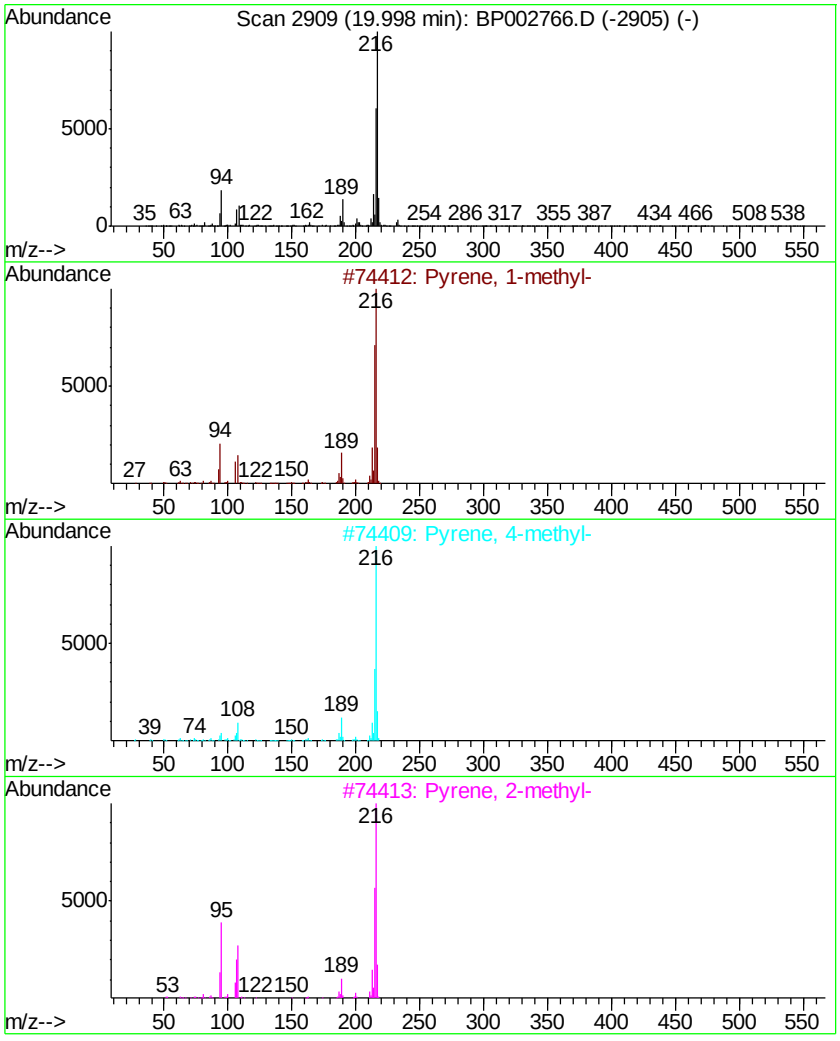
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

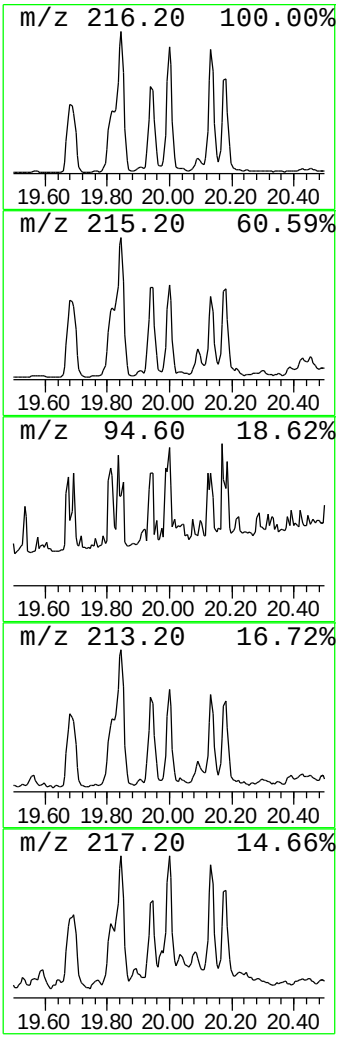
****

Peak Number 17 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	3.03 ng	672444	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90





Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP071520\
Data File : BP002766.D
Acq On : 15 Jul 2020 21:53
Operator : CG/JU
Sample : L3183-06 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-01-071420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

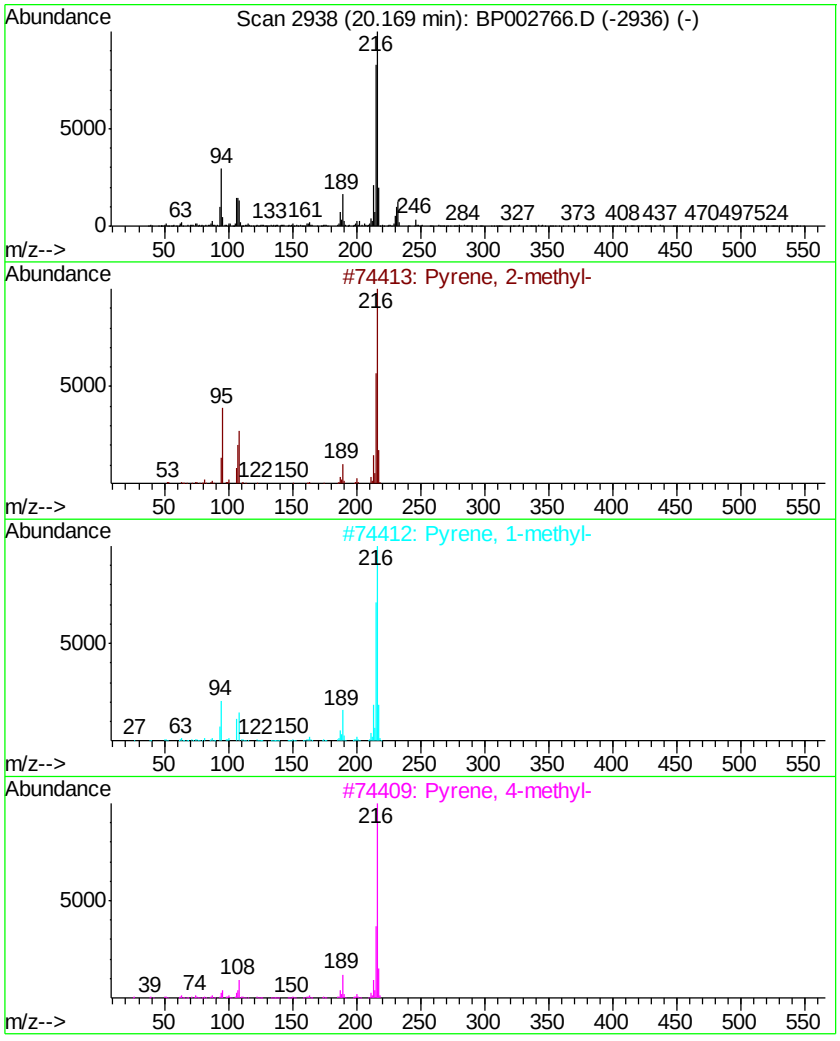
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

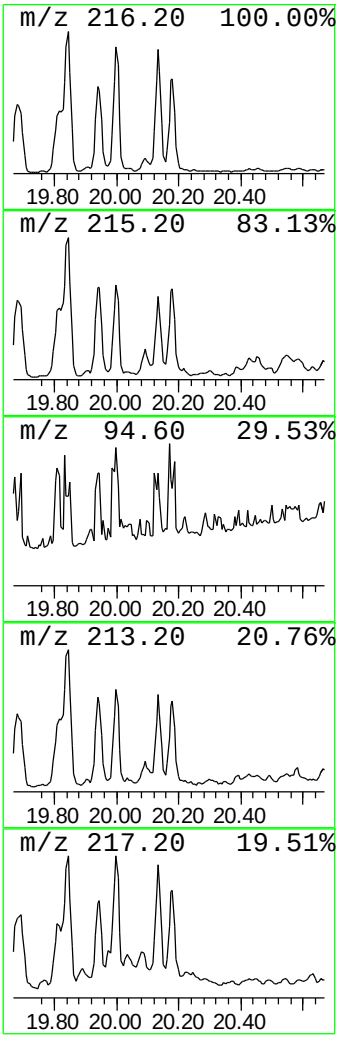
****

Peak Number 18 Pyrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.17	2.18 ng	484619	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	92
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP071520\
Data File : BP002766.D
Acq On : 15 Jul 2020 21:53
Operator : CG/JU
Sample : L3183-06 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-01-071420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

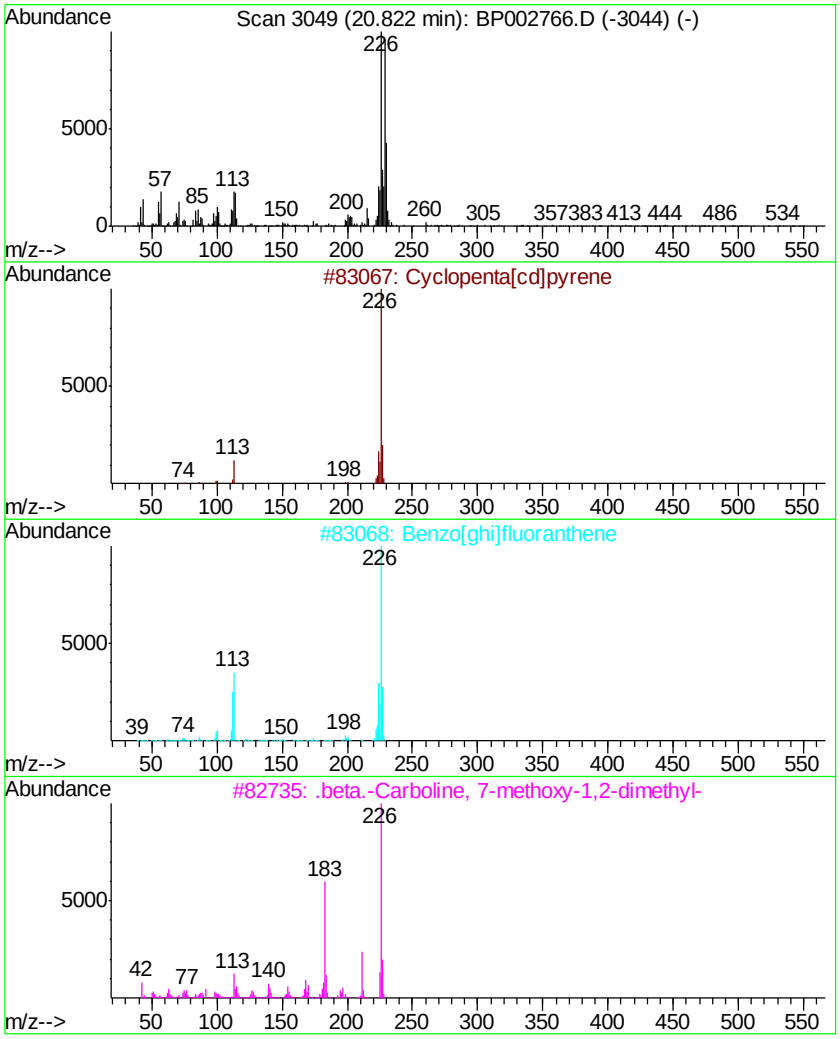
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

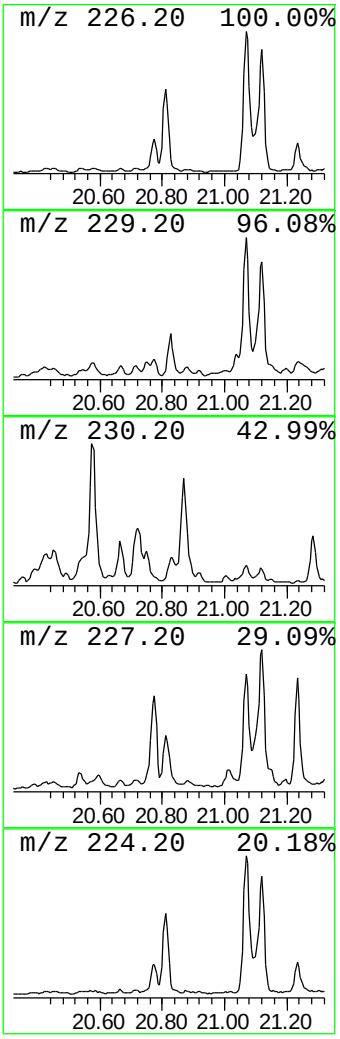
****

Peak Number 19 Cyclopenta[cd]pyrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.82	2.31 ng	513799	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	50
4	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	38
5	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	38





Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP071520\
Data File : BP002766.D
Acq On : 15 Jul 2020 21:53
Operator : CG/JU
Sample : L3183-06 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-01-071420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

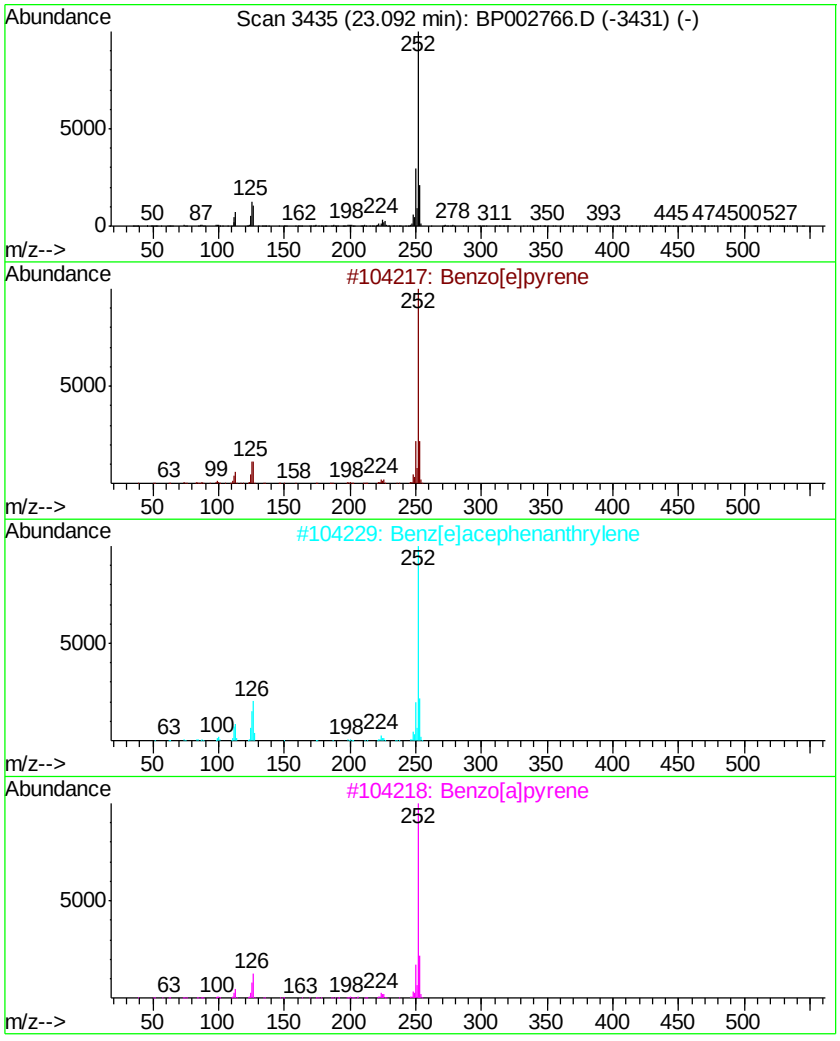
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

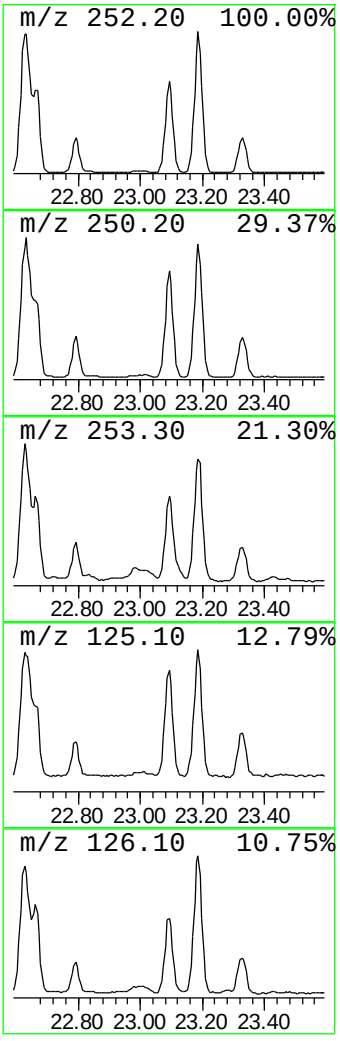
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.09	26.25 ng	1481590	Perylene-d12	23.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071520\
Data File : BP002766.D
Acq On : 15 Jul 2020 21:53
Operator : CG/JU
Sample : L3183-06 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OK-01-071420

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP071020.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
Anthracene, 2-met...	17.85	6.3	ng	606664	4	16.97	1924710	20.0
Phenanthrene, 1-m...	17.90	7.5	ng	721293	4	16.97	1924710	20.0
Phenanthrene, 2-m...	17.98	4.0	ng	386647	4	16.97	1924710	20.0
4H-Cyclopenta[def...	18.04	13.3	ng	1281120	4	16.97	1924710	20.0
Phenanthrene, 4-m...	18.07	4.5	ng	430045	4	16.97	1924710	20.0
5,16[1',2']:8,13[...	18.34	2.6	ng	247785	4	16.97	1924710	20.0
9,10-Anthracenedione	18.38	2.6	ng	247206	4	16.97	1924710	20.0
Phenanthrene, 2,7...	18.58	2.3	ng	219310	4	16.97	1924710	20.0
Phenanthrene, 3,6...	18.63	3.5	ng	332731	4	16.97	1924710	20.0
Phenanthrene, 1,7...	18.67	2.2	ng	215632	4	16.97	1924710	20.0
Phenanthrene, 2,5...	18.75	7.7	ng	741754	4	16.97	1924710	20.0
Cyclohexanone, 2,...	18.81	5.3	ng	514220	4	16.97	1924710	20.0
Cyclopenta(def)ph...	18.89	6.3	ng	605522	4	16.97	1924710	20.0
11H-Benzo[b]fluorene	19.68	3.6	ng	807700	5	21.09	4441600	20.0
11H-Benzo[a]fluorene	19.85	3.3	ng	726072	5	21.09	4441600	20.0
Pyrene, 1-methyl-	20.00	3.0	ng	672444	5	21.09	4441600	20.0
Pyrene, 2-methyl-	20.17	2.2	ng	484619	5	21.09	4441600	20.0
Cyclopenta[cd]pyrene	20.82	2.3	ng	513799	5	21.09	4441600	20.0
Benzo[e]pyrene	23.09	26.3	ng	1481590	6	23.28	1128860	20.0