LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100820\
Data File : BP003580.D
Acq On : 08 Oct 2020 20:05
Operator : CG/JU
Sample : L4291-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : PAV-B4-100620-DP

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-BP091520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP003580.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.099	370	376	395	rBV	433196	696080	37.79%	4.186%
2	6.693	641	647	672	rBV	346047	669642	36.36%	4.027%
3	7.481	773	781	792	rBV	186437	306517	16.64%	1.843%
4	8.634	969	977	999	rBV	265787	513414	27.87%	3.087%
5	10.257	1246	1253	1272	rBV	221743	410092	22.26%	2.466%
6	12.751	1671	1677	1697	rBV	768450	1186216	64.40%	7.133%
7	13.610	1817	1823	1834	rBV	64715	104154	5.65%	0.626%
8	14.139	1907	1913	1920	rBV2	345179	517136	28.08%	3.110%
9	14.204	1920	1924	1930	rVB	18398	27537	1.50%	0.166%
10	15.204	2088	2094	2100	rBV2	12847	21442	1.16%	0.129%
11	15.651	2164	2170	2182	rBV	504849	816546	44.33%	4.910%
12	15.892	2207	2211	2224	rVB6	12603	27960	1.52%	0.168%
13	16.722	2349	2352	2361	rVB	13632	25022	1.36%	0.150%
14	16.898	2376	2382	2386	rBV	440531	627521	34.07%	3.774%
15	16.939	2386	2389	2397	rVV	263719	371576	20.17%	2.234%
16	17.039	2401	2406	2412	rVB	61476	93087	5.05%	0.560%
17	17.322	2448	2454	2467	rBV3	16721	42258	2.29%	0.254%
18	17.780	2527	2532	2536	rBV	44377	64536	3.50%	0.388%
19	17.827	2536	2540	2546	rVV	66464	90464	4.91%	0.544%
20	17.910	2550	2554	2557	rVV	30122	40680	2.21%	0.245%
21	17.969	2559	2564	2568	rVV2	67612	125607	6.82%	0.755%
22	18.004	2568	2570	2578	rVB2	36691	50381	2.74%	0.303%
23	18.269	2612	2615	2620	rVB	33043	40810	2.22%	0.245%
24	18.327	2622	2625	2630	rVV	15636	19935	1.08%	0.120%
25	18.510	2653	2656	2660	rBV4	14934	19208	1.04%	0.116%
26	18.557	2661	2664	2668	rVV3	20707	26982	1.46%	0.162%
27	18.680	2681	2685	2688	rBV	37794	54053	2.93%	0.325%
28	18.822	2705	2709	2715	rVB2	35816	67362	3.66%	0.405%
29	18.933	2723	2728	2735	rBV	617192	803153	43.61%	4.830%
30	19.033	2743	2745	2749	rVB2	18713	20071	1.09%	0.121%
31	19.286	2779	2788	2797	rBV	599478	933129	50.66%	5.611%
32	19.486	2816	2822	2827	rBV	1583703	1841881	100.00%	11.076%
33	19.616	2838	2844	2850	rBV4	40811	94033	5.11%	0.565%
34	19.739	2862	2865	2867	rBV4	36915	52102	2.83%	0.313%
35	19.769	2868	2870	2874	rVB	72139	87090	4.73%	0.524%
36	19.869	2885	2887	2891	rVB	36628	36112	1.96%	0.217%

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100820\
Data File : BP003580.D
Acq On : 08 Oct 2020 20:05
Operator : CG/JU
Sample : L4291-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : PAV-B4-100620-DP

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-BP091520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	19.927	2893	2897	2901	rVB2	62704	90595	4.92%	0.545%
38	20.063	2917	2920	2923	rBV	43952	47316	2.57%	0.285%
39	20.169	2935	2938	2941	rVB	120042	121455	6.59%	0.730%
40	20.510	2993	2996	3001	rBV	64096	73240	3.98%	0.440%
41	20.663	3020	3022	3025	rBV	51184	51780	2.81%	0.311%
42	20.698	3025	3028	3031	rVB	65595	70240	3.81%	0.422%
43	20.739	3031	3035	3041	rBV4	156491	265616	14.42%	1.597%
44	21.010	3075	3081	3084	rBV2	813359	1407128	76.40%	8.462%
45	21.045	3084	3087	3092	rVB	402174	472031	25.63%	2.838%
46	22.533	3334	3340	3344	rBV	423571	915101	49.68%	5.503%
47	22.698	3364	3368	3373	rVB	97423	146480	7.95%	0.881%
48	22.986	3413	3417	3426	rVB	289931	517423	28.09%	3.111%
49	23.080	3428	3433	3441	rVB	409749	741088	40.24%	4.456%
50	23.174	3444	3449	3454	rBV	469200	786391	42.69%	4.729%

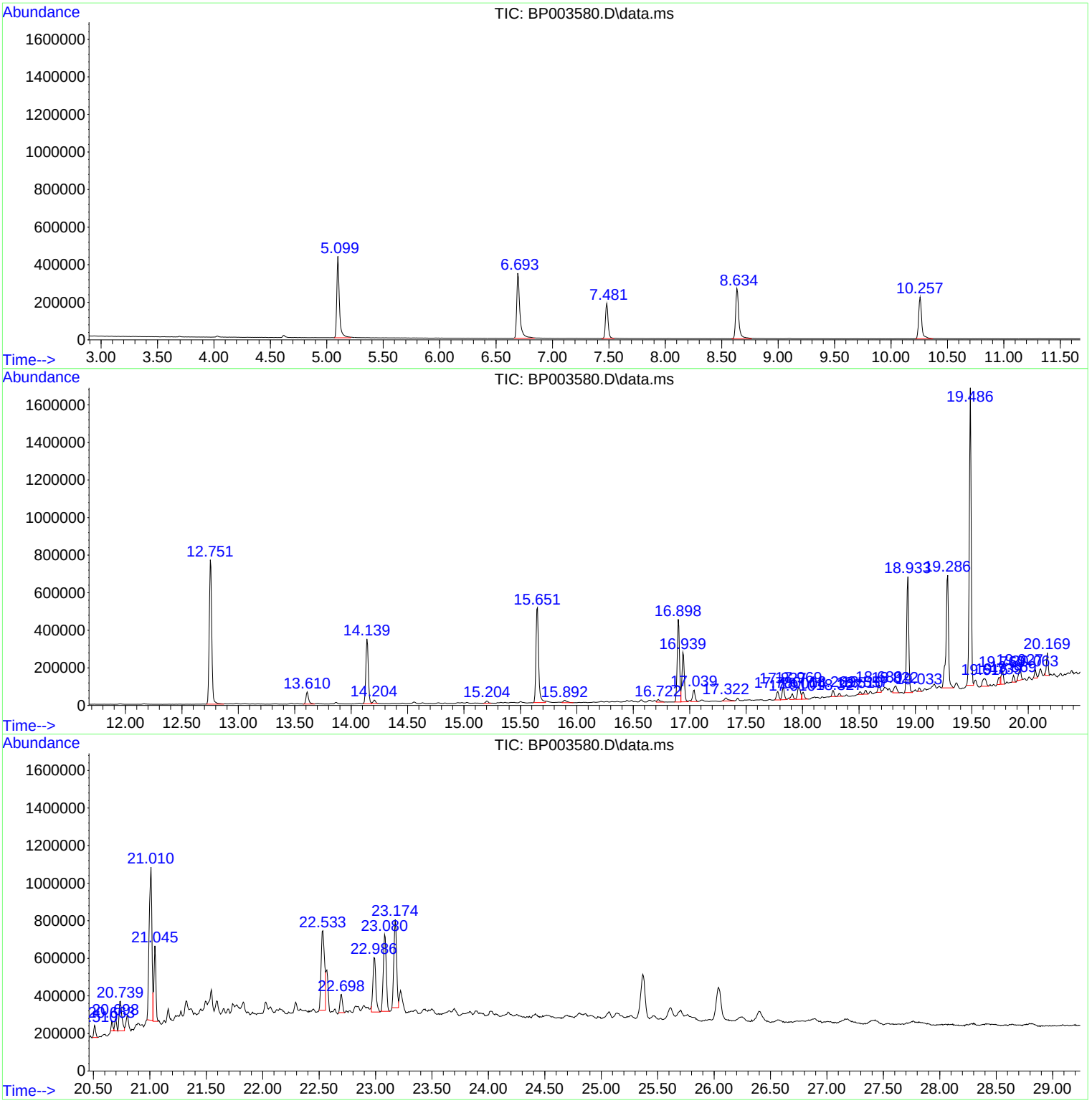
Sum of corrected areas: 16629673

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100820\
Data File : BP003580.D
Acq On : 08 Oct 2020 20:05
Operator : CG/JU
Sample : L4291-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PAV-B4-100620-DP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.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\BP100820\
Data File : BP003580.D
Acq On : 08 Oct 2020 20:05
Operator : CG/JU
Sample : L4291-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : PAV-B4-100620-DP

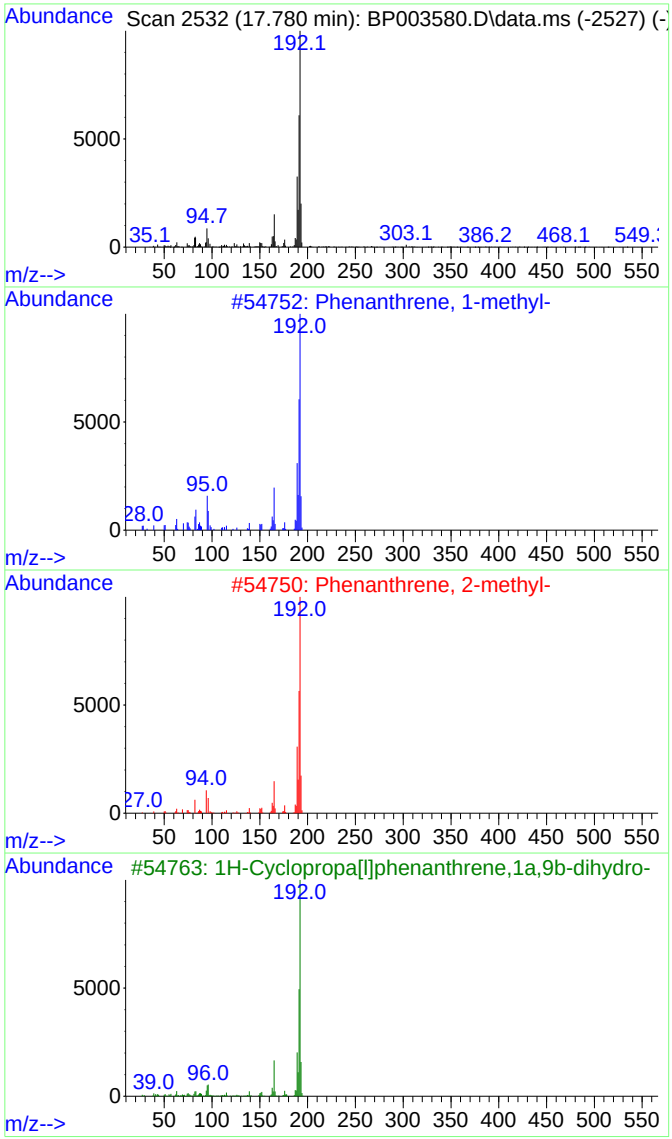
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

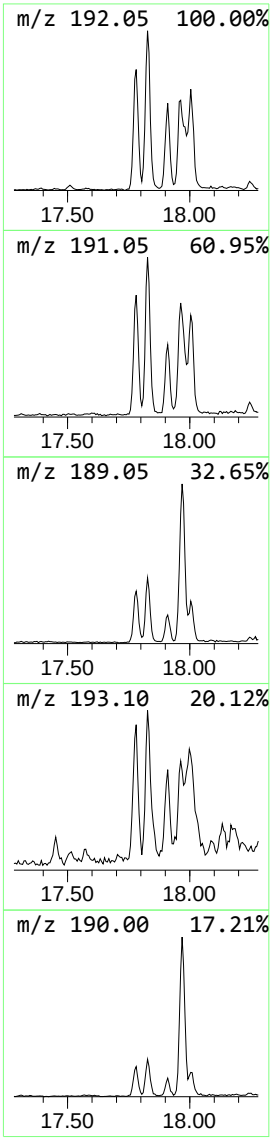
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.780	2.06 ng	64536	Phenanthrene-d10	16.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	92
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100820\
Data File : BP003580.D
Acq On : 08 Oct 2020 20:05
Operator : CG/JU
Sample : L4291-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : PAV-B4-100620-DP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

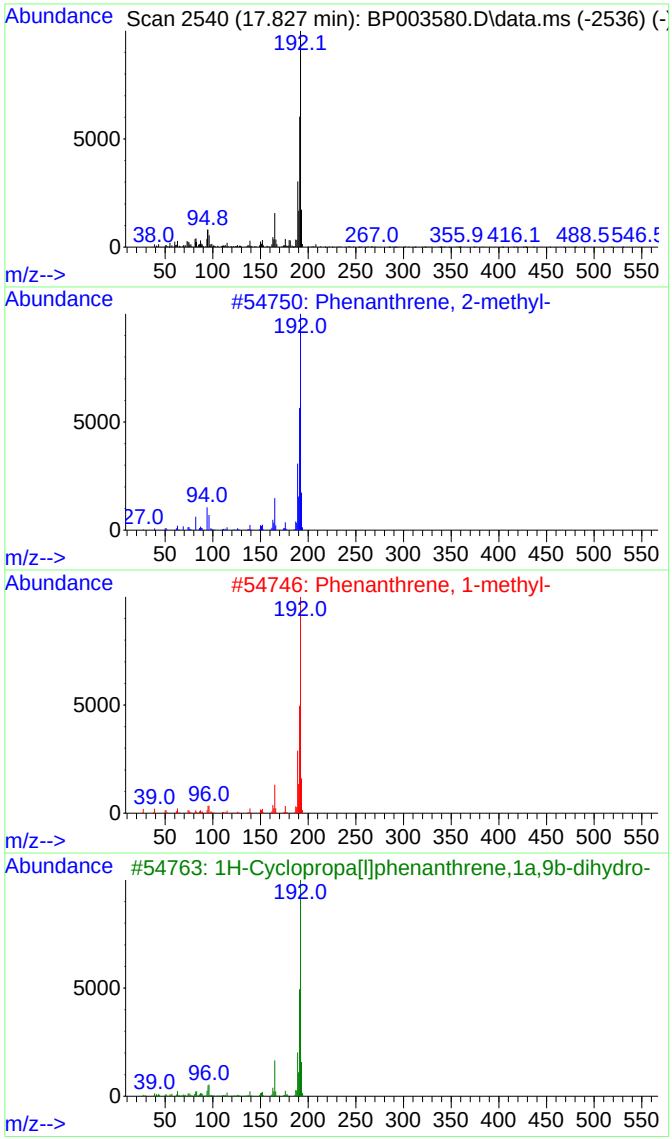
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

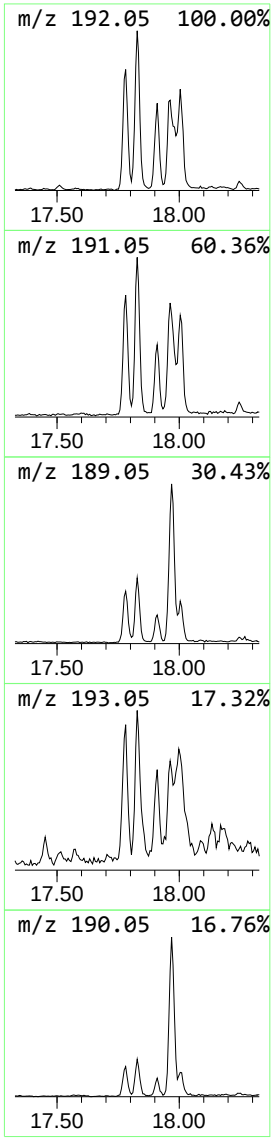
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.828	2.88 ng	90464	Phenanthrene-d10	16.898

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100820\
Data File : BP003580.D
Acq On : 08 Oct 2020 20:05
Operator : CG/JU
Sample : L4291-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PAV-B4-100620-DP

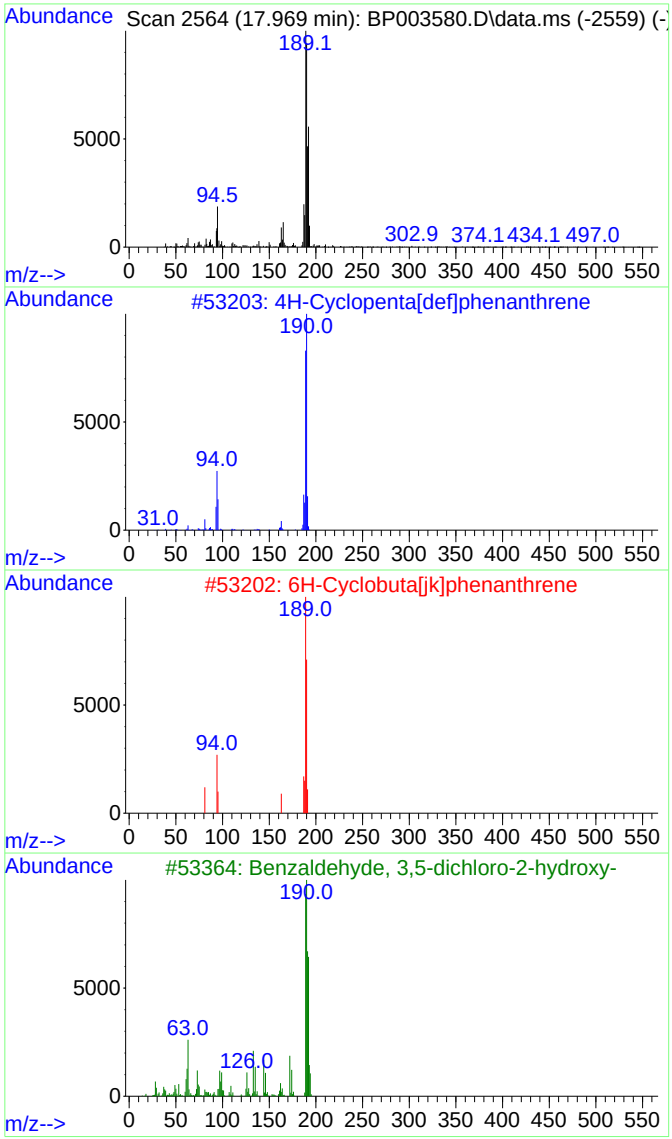
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

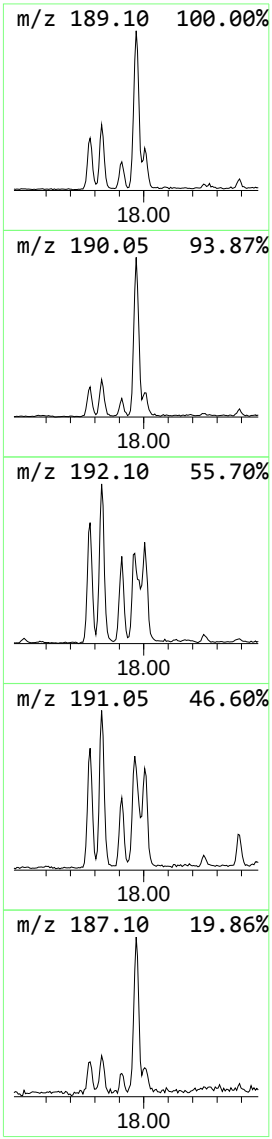
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.969	4.00 ng	125607	Phenanthrene-d10	16.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
4	Cyclohexanone, 2-(2-furanylmethy...	190	C12H14O2	056053-07-7	27
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100820\
Data File : BP003580.D
Acq On : 08 Oct 2020 20:05
Operator : CG/JU
Sample : L4291-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PAV-B4-100620-DP

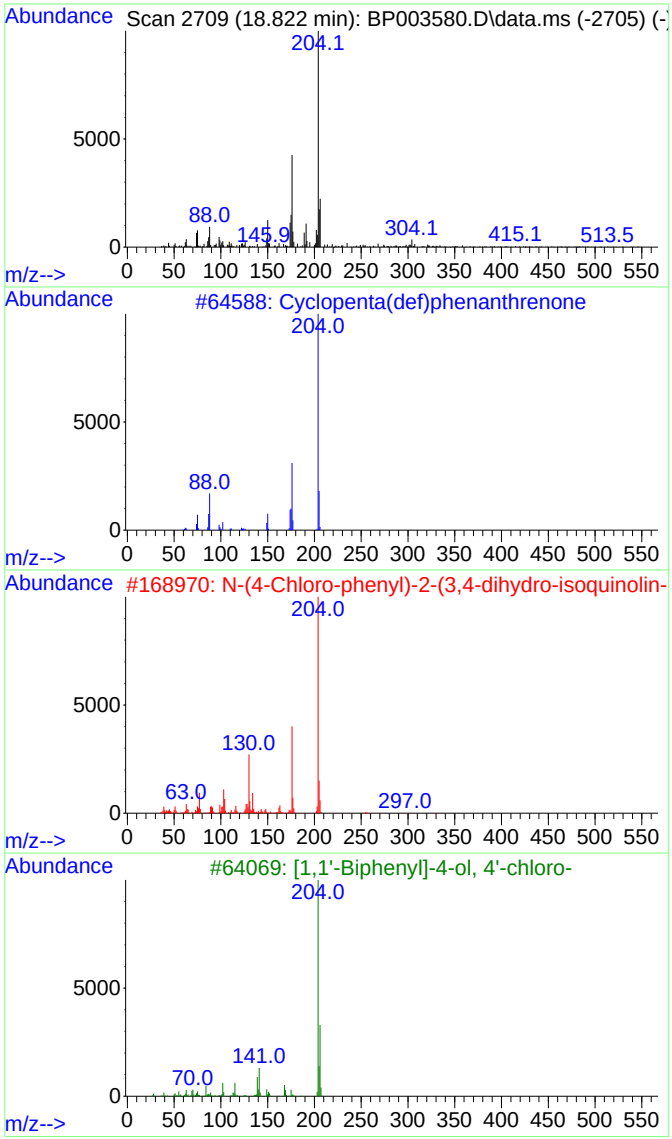
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

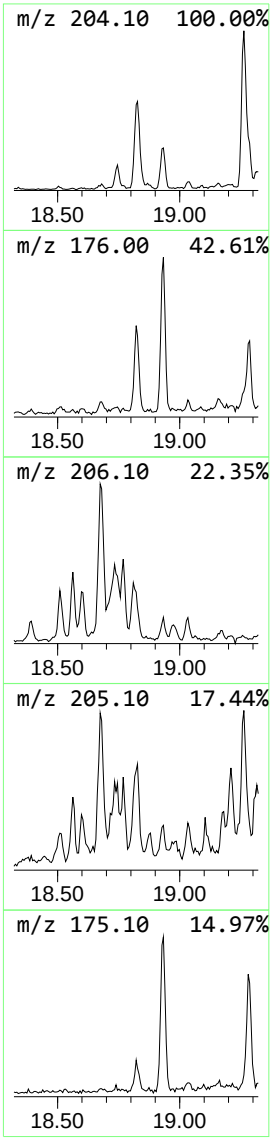
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.822	2.15 ng	67362	Phenanthrene-d10	16.898

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	81
2	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	53
3	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	47
4	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43
5	Cyano-(1,7,7-trimethyl-bicyclo[2...	247	C15H21NO2	1000303-25-1	40





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100820\
Data File : BP003580.D
Acq On : 08 Oct 2020 20:05
Operator : CG/JU
Sample : L4291-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : PAV-B4-100620-DP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

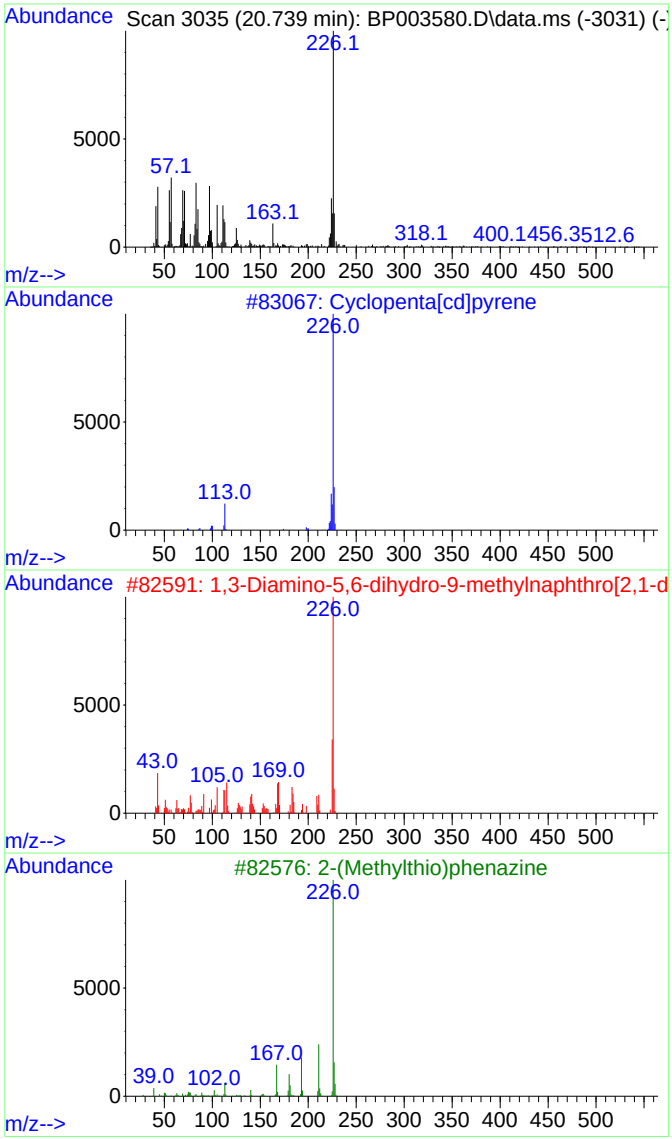
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

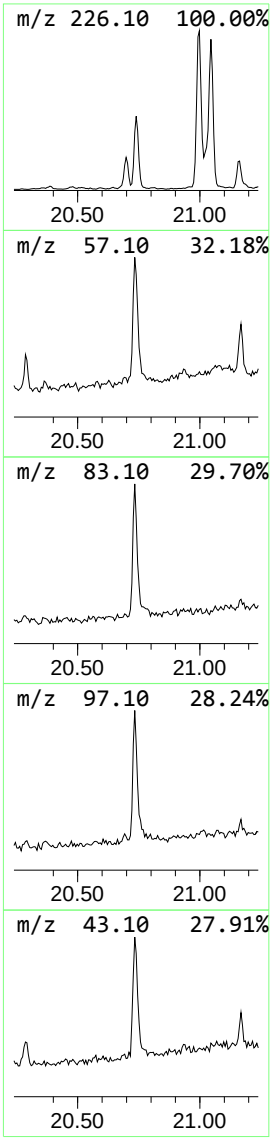
****

Peak Number 5 unknown20.739 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.739	3.78 ng	265616	Chrysene-d12	21.010

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	49
2	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	46
3	2-(Methylthio)phenazine	226	C13H10N2S	005752-54-5	43
4	9H-Xanthen-9-one, 4-methoxy-	226	C14H10O3	006702-58-5	32
5	Benzenesulfonic acid, 3,4-dichloro-	226	C6H4Cl2O3S	000939-95-7	32





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100820\
Data File : BP003580.D
Acq On : 08 Oct 2020 20:05
Operator : CG/JU
Sample : L4291-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : PAV-B4-100620-DP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

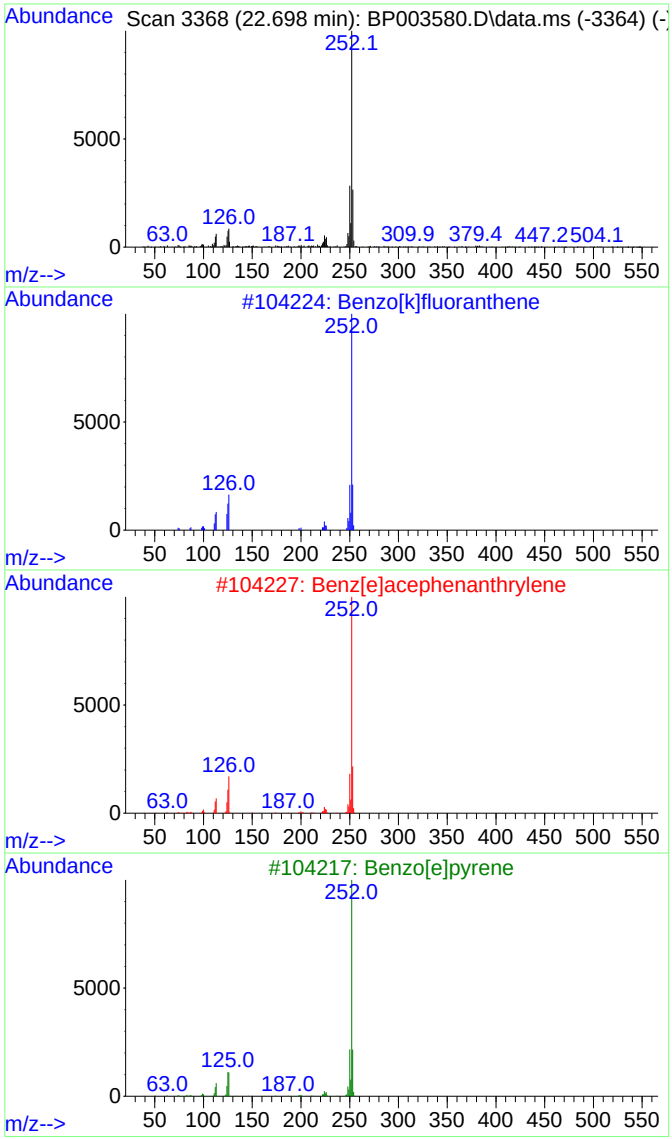
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

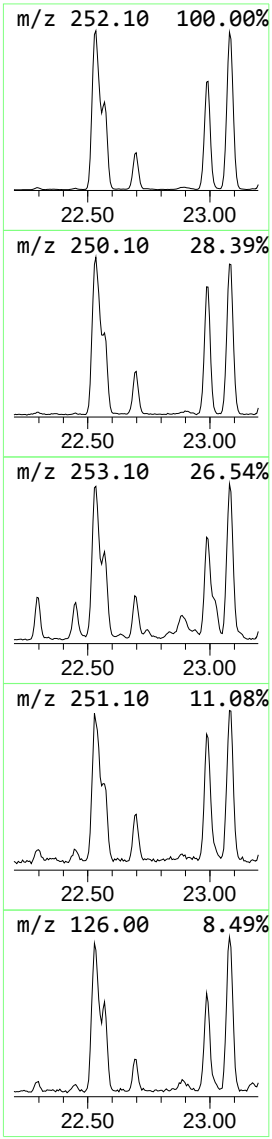
****

Peak Number 6 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.698	3.73 ng	146480	Perylene-d12	23.174

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
3	Benzo[e]pyrene	252	C20H12	000192-97-2	90
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Perylene	252	C20H12	000198-55-0	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100820\
Data File : BP003580.D
Acq On : 08 Oct 2020 20:05
Operator : CG/JU
Sample : L4291-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : PAV-B4-100620-DP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

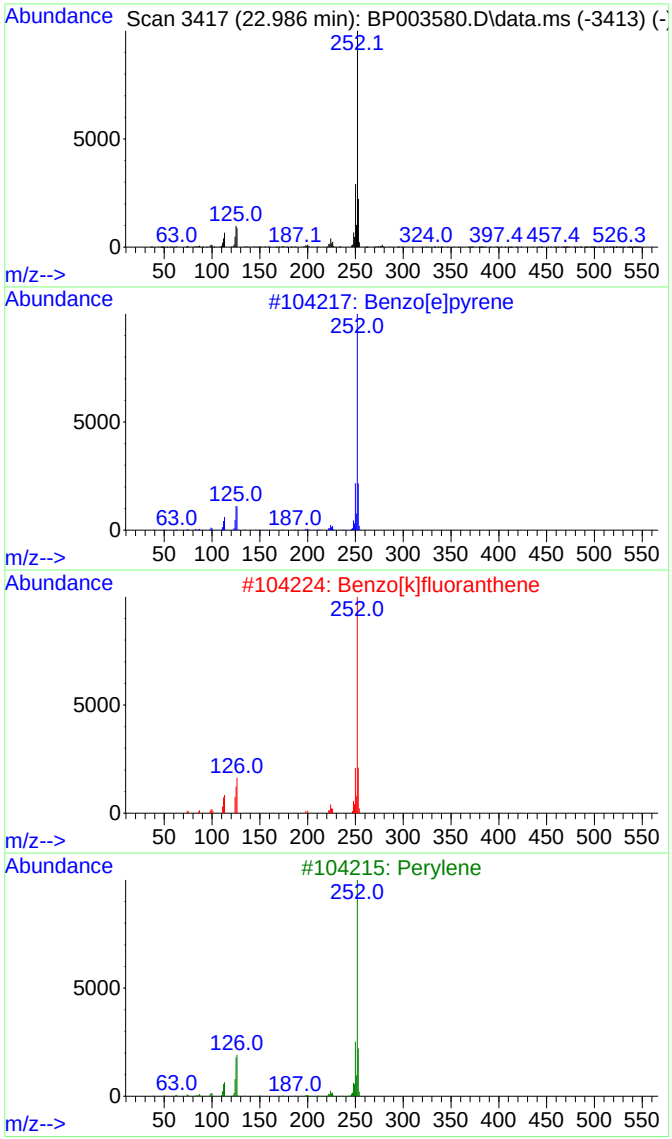
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

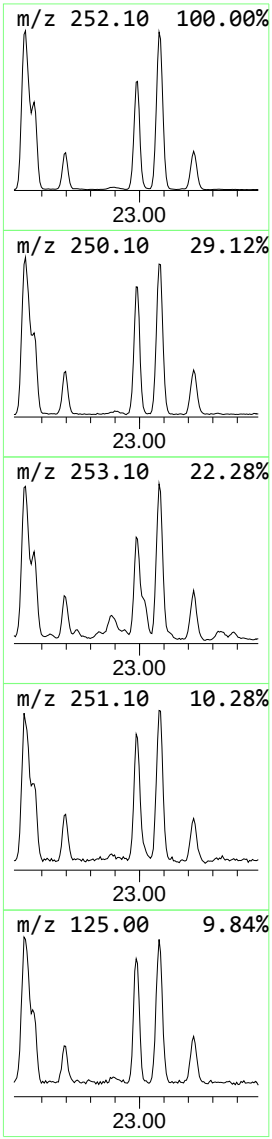
****

Peak Number 7 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.986	13.16 ng	517423	Perylene-d12	23.174

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	98
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP100820\
Data File : BP003580.D
Acq On : 08 Oct 2020 20:05
Operator : CG/JU
Sample : L4291-11
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : PAV-B4-100620-DP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091520.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, 1...	17.780	2.1	ng	64536	4	16.898	627521	20.0
Phenanthrene, 2...	17.828	2.9	ng	90464	4	16.898	627521	20.0
4H-Cyclopenta[d...	17.969	4.0	ng	125607	4	16.898	627521	20.0
Cyclopenta(def)...	18.822	2.1	ng	67362	4	16.898	627521	20.0
unknown20.739	20.739	3.8	ng	265616	5	21.010	1407130	20.0
Benzo[e]pyrene	22.698	3.7	ng	146480	6	23.174	786391	20.0
Perylene	22.986	13.2	ng	517423	6	23.174	786391	20.0