LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062821\
Data File : BP006088.D
Acq On : 28 Jun 2021 21:15
Operator : CG/JU
Sample : M2865-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-01-062521

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\8270E-BP060821.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BP006088.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.481	400	407	425	rBV	484991	792414	20.55%	2.190%
2	7.087	673	680	695	rBV	442136	789905	20.49%	2.183%
3	7.905	811	819	834	rBV	380943	624882	16.21%	1.727%
4	8.446	905	911	922	rBV	27500	57992	1.50%	0.160%
5	9.075	1010	1018	1034	rBV	256457	509671	13.22%	1.408%
6	10.710	1285	1296	1311	rBV	472376	863913	22.41%	2.387%
7	13.163	1703	1713	1724	rBV	864657	1325638	34.38%	3.663%
8	13.998	1850	1855	1862	rBV	58368	97962	2.54%	0.271%
9	14.263	1895	1900	1911	rBV	76640	135757	3.52%	0.375%
10	14.534	1940	1946	1953	rVV	748251	1090698	28.29%	3.014%
11	15.581	2119	2124	2135	rBV2	39660	79960	2.07%	0.221%
12	16.028	2193	2200	2212	rBV	734268	1125194	29.18%	3.109%
13	16.263	2233	2240	2246	rVB4	31740	68114	1.77%	0.188%
14	17.281	2408	2413	2417	rBV	883589	1278404	33.16%	3.533%
15	17.322	2417	2420	2426	rVB	676258	921859	23.91%	2.547%
16	17.416	2431	2436	2442	rVB	288649	406578	10.55%	1.124%
17	17.692	2480	2483	2493	rBV3	26523	61831	1.60%	0.171%
18	18.151	2556	2561	2565	rBV2	146750	292682	7.59%	0.809%
19	18.192	2565	2568	2575	rVB	189669	267874	6.95%	0.740%
20	18.269	2578	2581	2586	rVV	88120	122560	3.18%	0.339%
21	18.334	2587	2592	2596	rVV3	251647	423898	10.99%	1.171%
22	18.369	2596	2598	2606	rVB	94500	116215	3.01%	0.321%
23	18.439	2608	2610	2614	rBV5	34771	40426	1.05%	0.112%
24	18.628	2638	2642	2646	rBV	124613	166502	4.32%	0.460%
25	18.916	2688	2691	2694	rBV	46934	66071	1.71%	0.183%
26	19.033	2707	2711	2716	rBV2	92987	173690	4.51%	0.480%
27	19.175	2731	2735	2739	rBV2	95673	153500	3.98%	0.424%
28	19.286	2749	2754	2760	rBV	2485017	3267200	84.74%	9.028%
29	19.610	2804	2809	2810	rBV	468352	585585	15.19%	1.618%
30	19.639	2810	2814	2822	rVV	2153564	2979119	77.27%	8.232%
31	19.710	2822	2826	2831	rVV2	114148	179921	4.67%	0.497%
32	19.828	2841	2846	2851	rVB	1666125	2031362	52.69%	5.613%
33	19.945	2863	2866	2868	rBV	144003	196790	5.10%	0.544%
34	20.116	2893	2895	2900	rVB	391215	481354	12.49%	1.330%
35	20.216	2909	2912	2915	rBV2	262079	312852	8.11%	0.865%
36	20.851	3017	3020	3025	rVB	206326	235194	6.10%	0.650%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062821\
Data File : BP006088.D
Acq On : 28 Jun 2021 21:15
Operator : CG/JU
Sample : M2865-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OR-01-062521

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\8270E-BP060821.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	21.051	3051	3054	3057	rBV2	333822	384587	9.98%	1.063%
38	21.345	3099	3104	3109	rBV2	1997479	3855448	100.00%	10.654%
39	21.392	3109	3112	3121	rVB	1359073	1834623	47.59%	5.070%
40	23.027	3385	3390	3396	rBV	1209806	2901896	75.27%	8.019%
41	23.551	3475	3479	3485	rVB	735208	1355514	35.16%	3.746%
42	23.657	3492	3497	3504	rVB	1253214	2403922	62.35%	6.643%
43	23.763	3511	3515	3520	rVB	678391	1128366	29.27%	3.118%

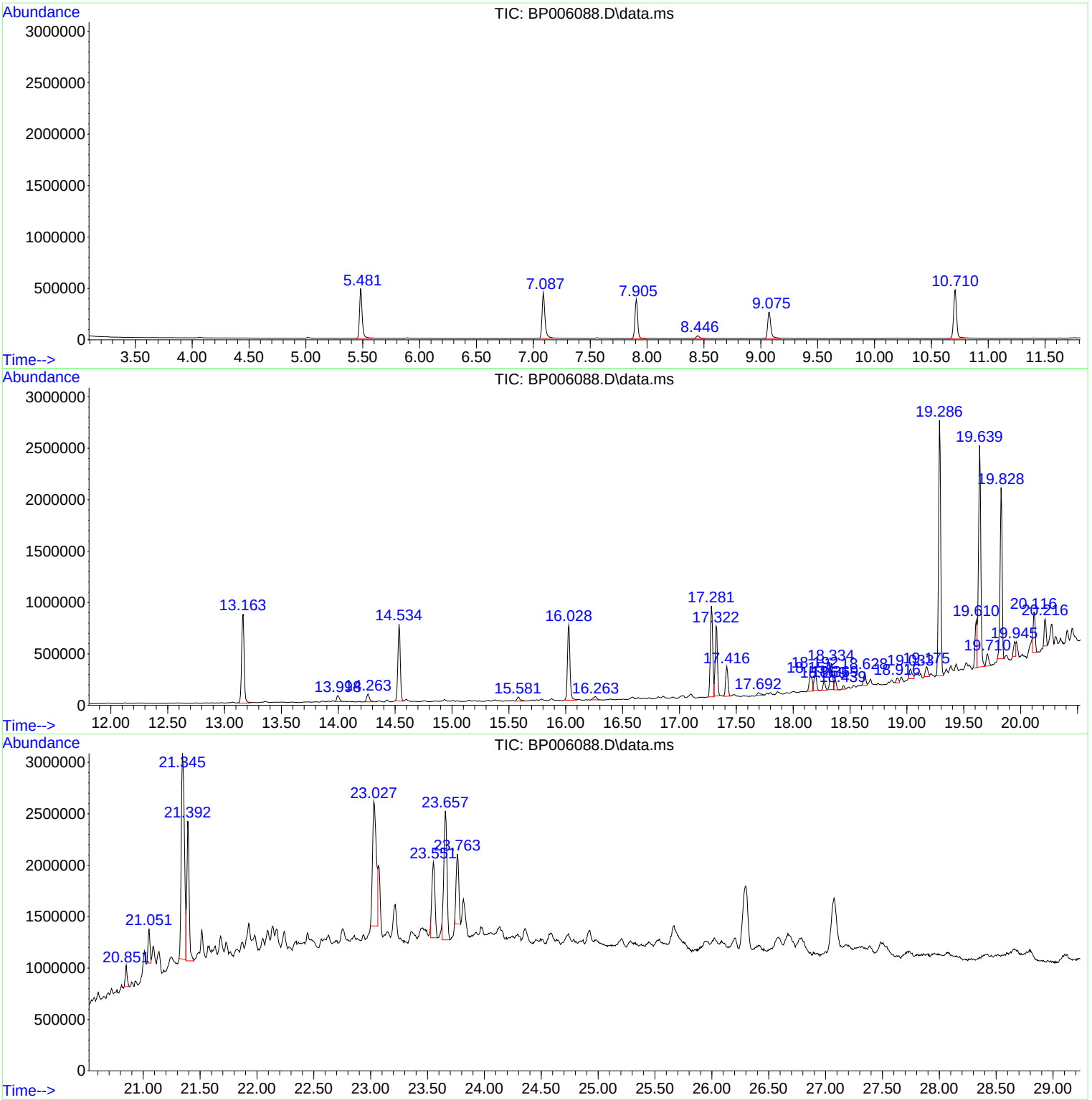
Sum of corrected areas: 36187923

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062821\
Data File : BP006088.D
Acq On : 28 Jun 2021 21:15
Operator : CG/JU
Sample : M2865-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OR-01-062521

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060821.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\BP062821\
Data File : BP006088.D
Acq On : 28 Jun 2021 21:15
Operator : CG/JU
Sample : M2865-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-01-062521

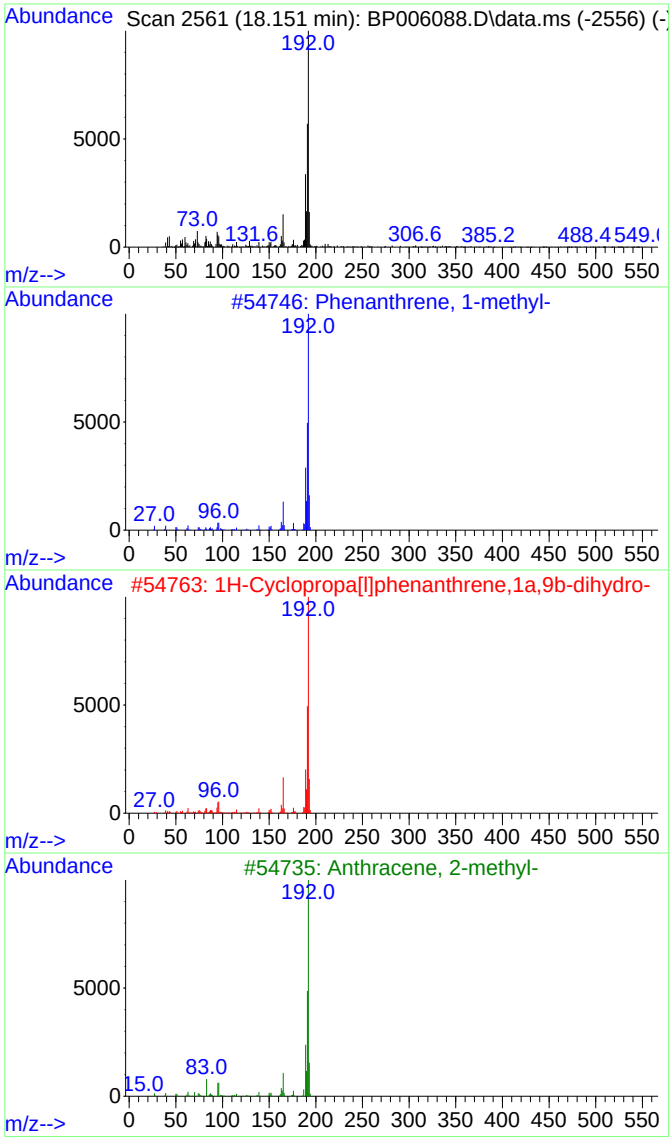
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

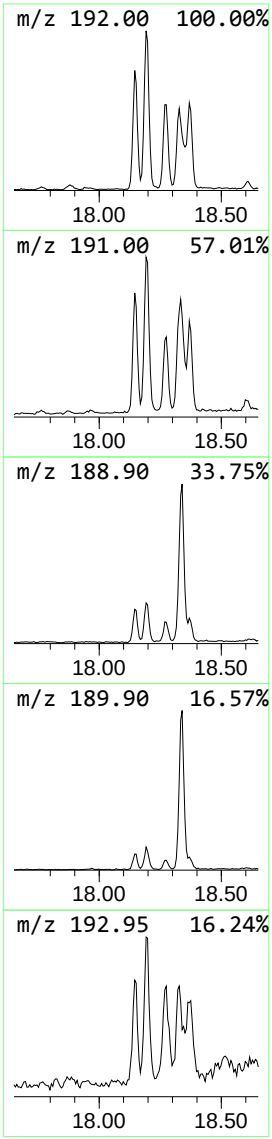
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.151	4.58 ng	292682	Phenanthrene-d10	17.281

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062821\
Data File : BP006088.D
Acq On : 28 Jun 2021 21:15
Operator : CG/JU
Sample : M2865-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OR-01-062521

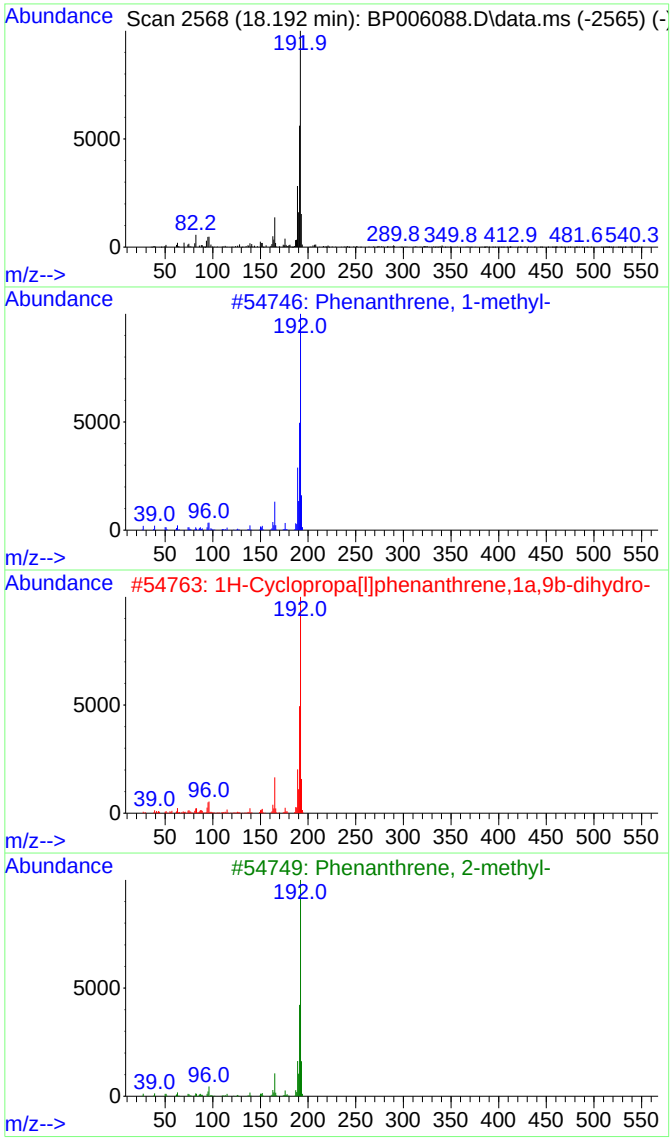
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

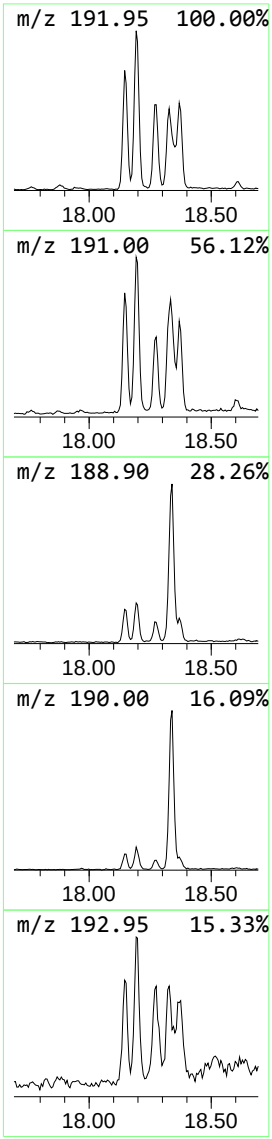
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 1H-Cyclopropa[l]phenanthren... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.192	4.19 ng	267874	Phenanthrene-d10	17.281

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062821\
Data File : BP006088.D
Acq On : 28 Jun 2021 21:15
Operator : CG/JU
Sample : M2865-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OR-01-062521

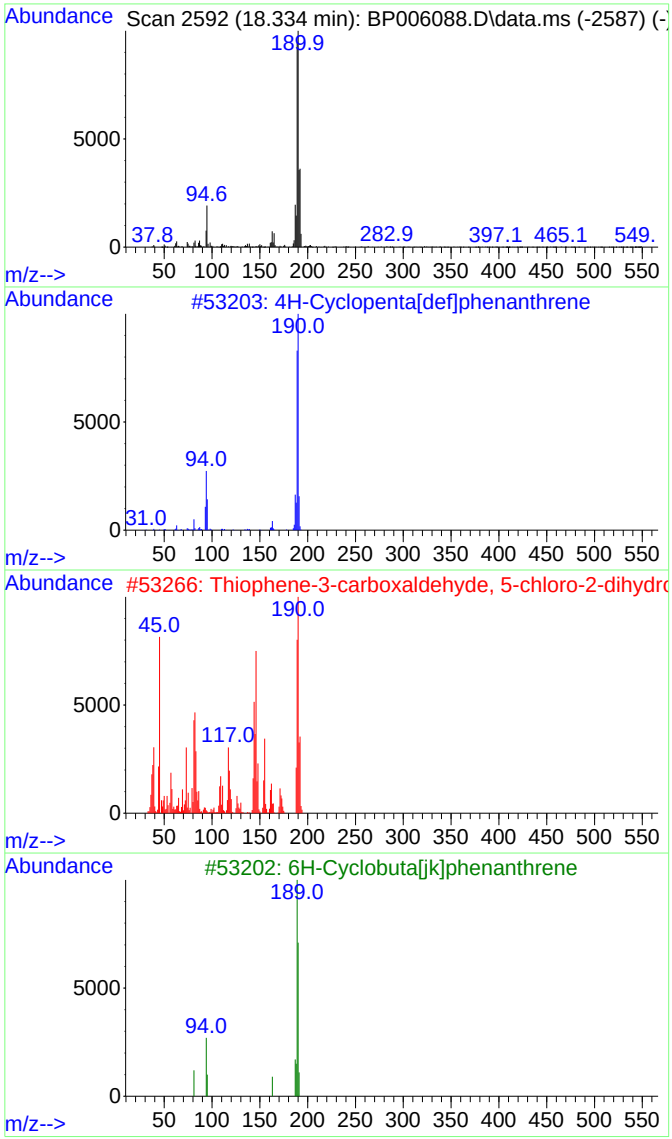
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

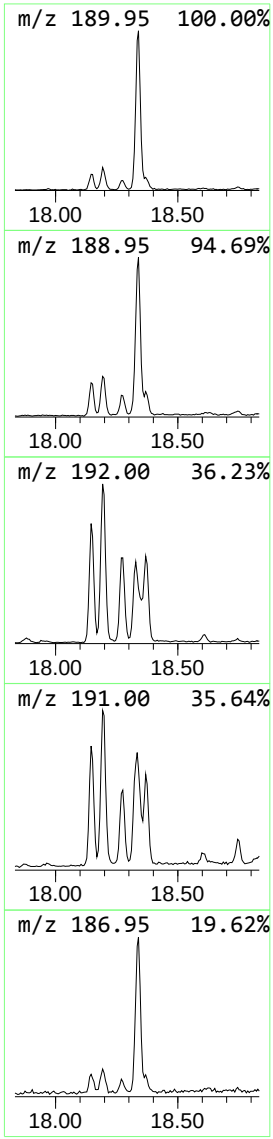
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.334	6.63 ng	423898	Phenanthrene-d10	17.281

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062821\
Data File : BP006088.D
Acq On : 28 Jun 2021 21:15
Operator : CG/JU
Sample : M2865-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OR-01-062521

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

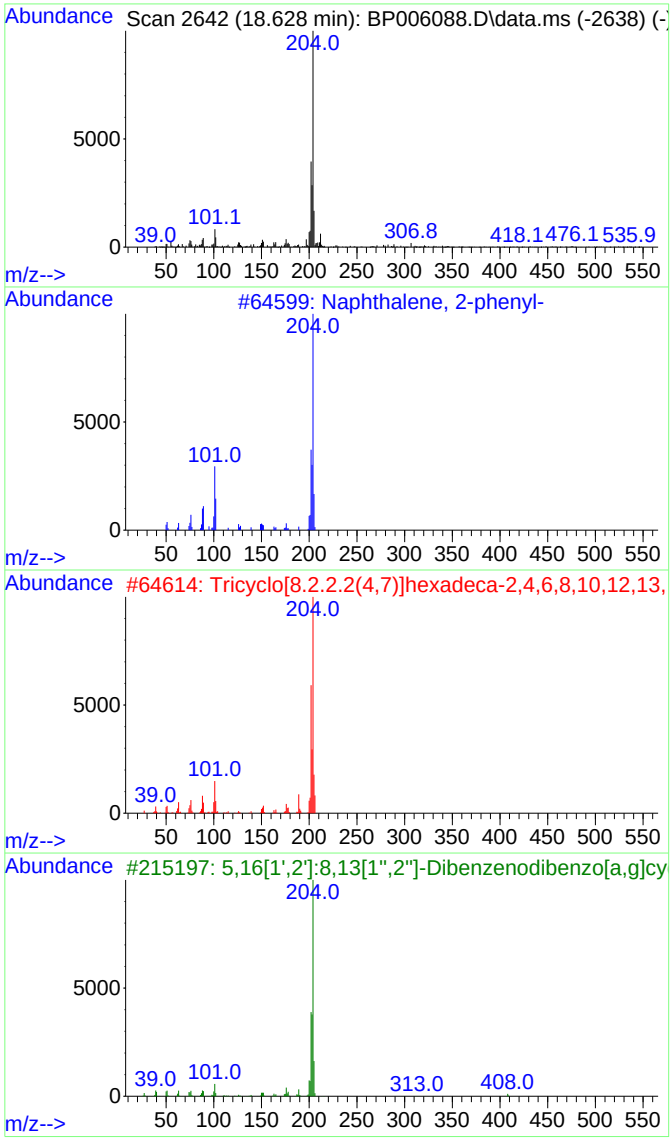
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

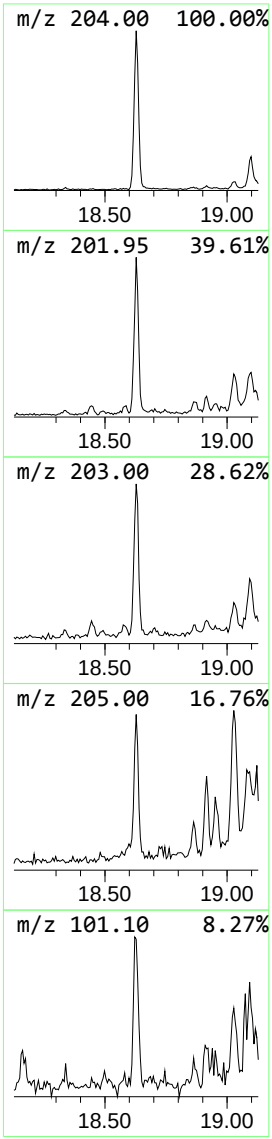
****

Peak Number 4 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.628	2.60 ng	166502	Phenanthrene-d10	17.281

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	59
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	50
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062821\
Data File : BP006088.D
Acq On : 28 Jun 2021 21:15
Operator : CG/JU
Sample : M2865-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OR-01-062521

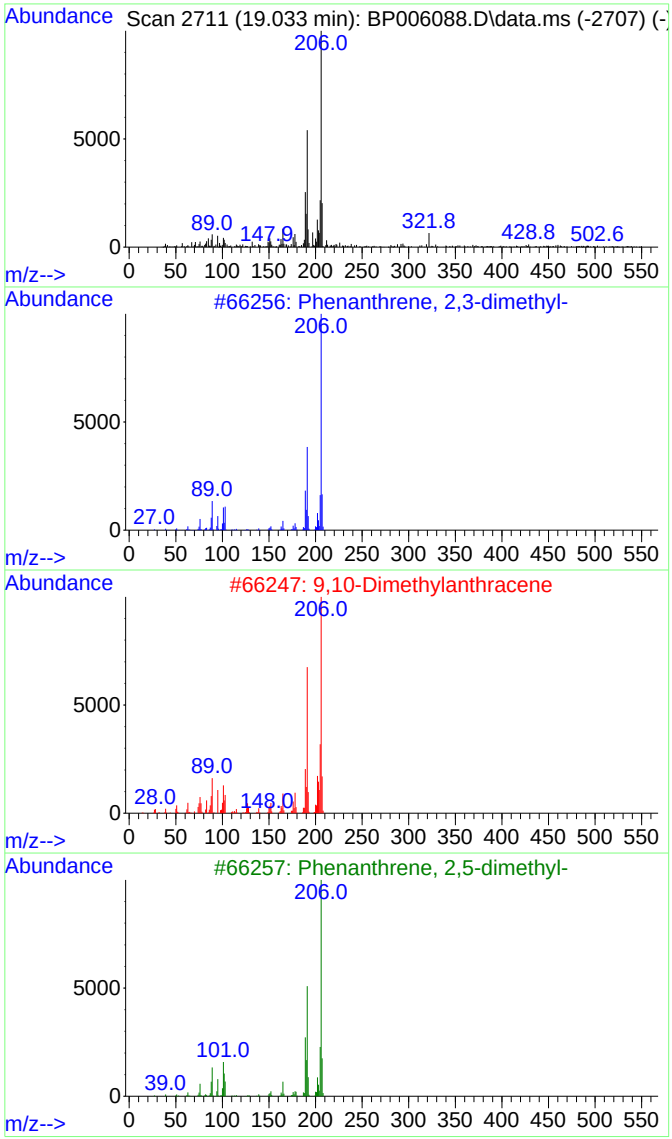
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

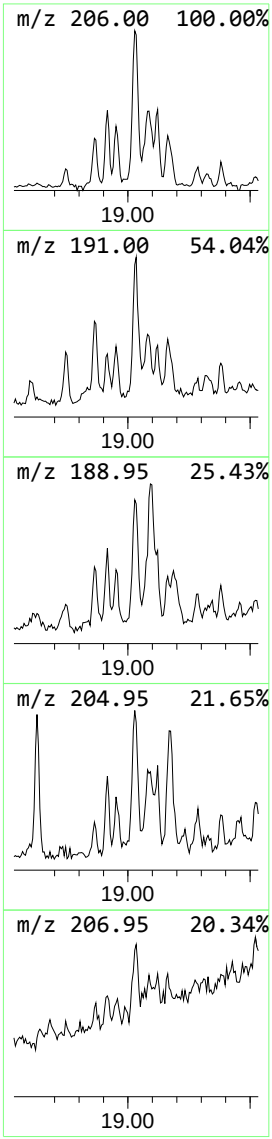
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.034	2.72 ng	173690	Phenanthrene-d10	17.281

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062821\
Data File : BP006088.D
Acq On : 28 Jun 2021 21:15
Operator : CG/JU
Sample : M2865-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OR-01-062521

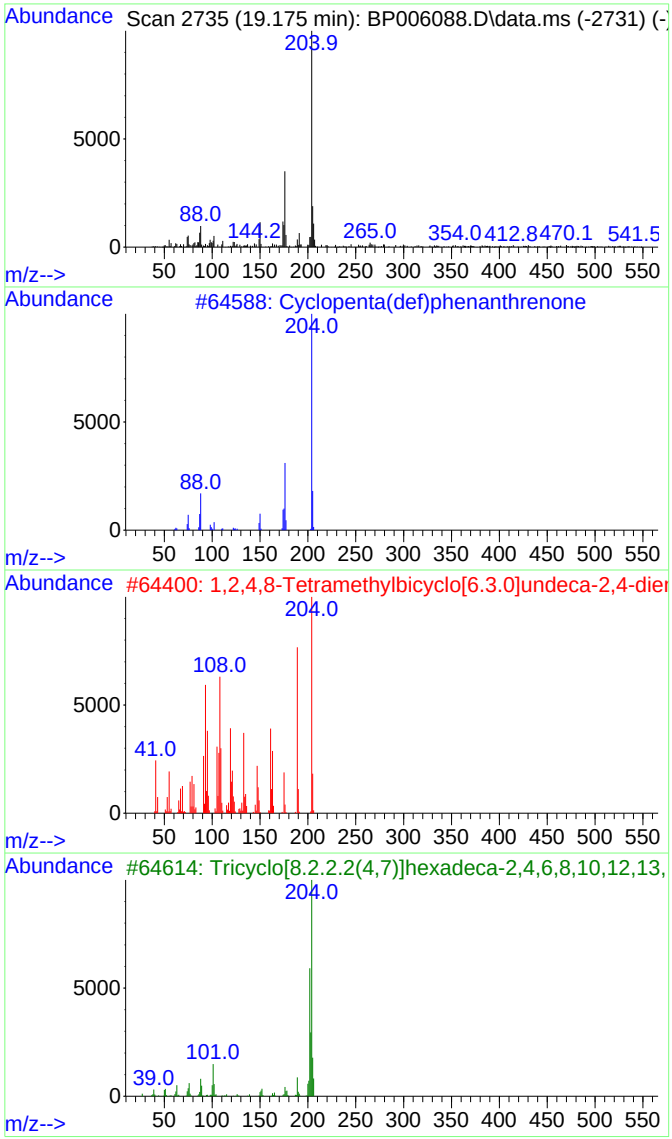
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

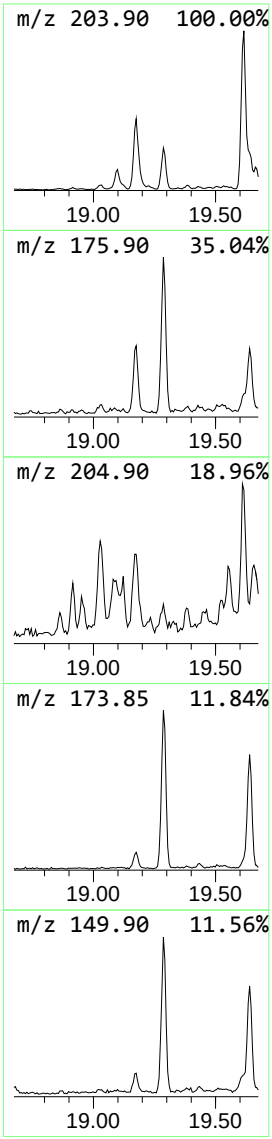
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.175	2.40 ng	153500	Phenanthrene-d10	17.281

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	60
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	59
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	58
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062821\
Data File : BP006088.D
Acq On : 28 Jun 2021 21:15
Operator : CG/JU
Sample : M2865-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
OR-01-062521

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

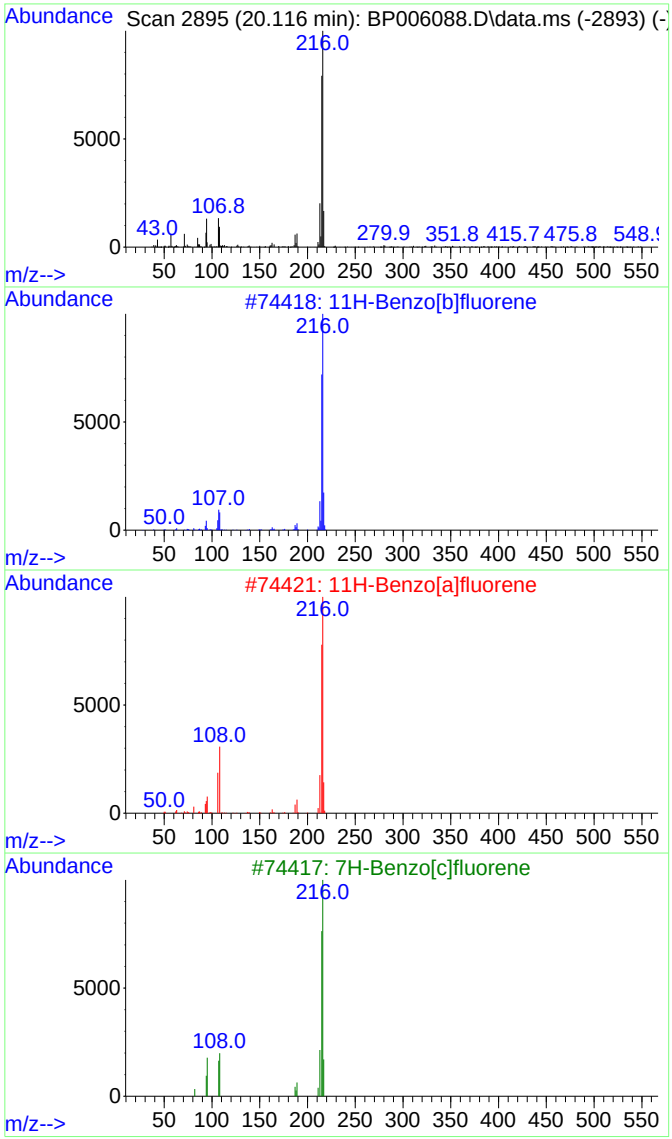
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

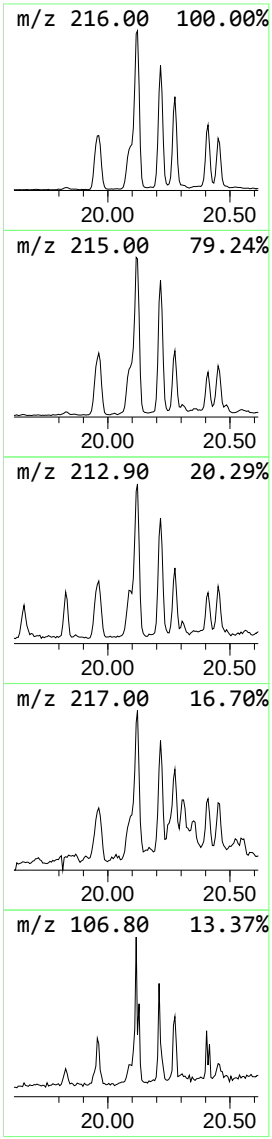
****

Peak Number 7 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.116	2.50 ng	481354	Chrysene-d12	21.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062821\
Data File : BP006088.D
Acq On : 28 Jun 2021 21:15
Operator : CG/JU
Sample : M2865-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-01-062521

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

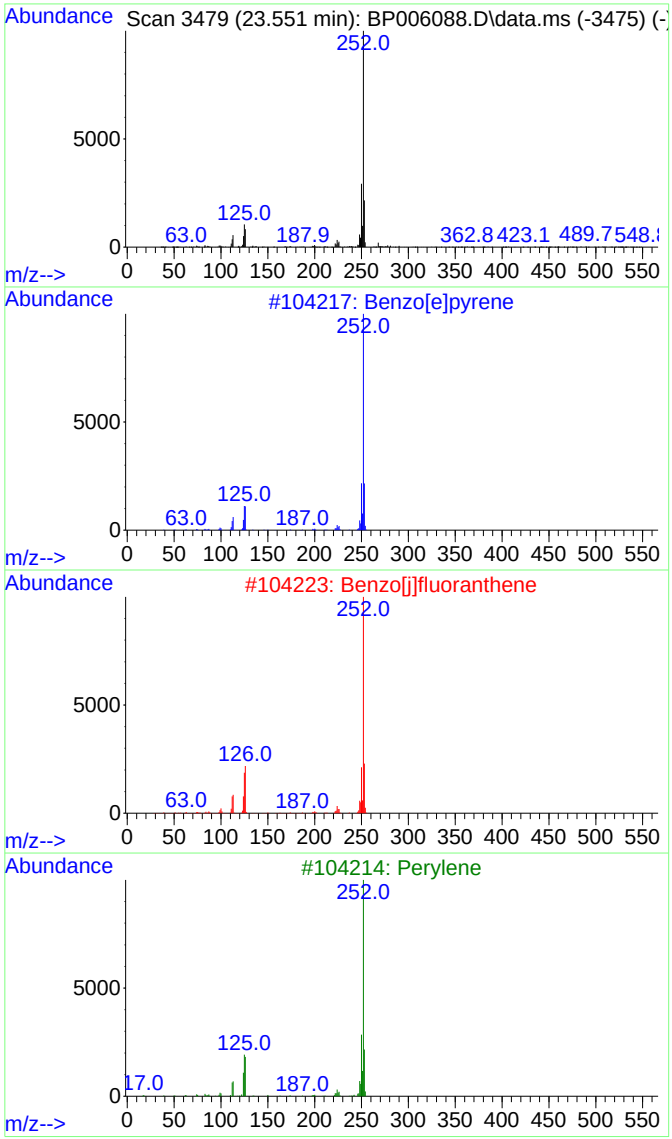
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

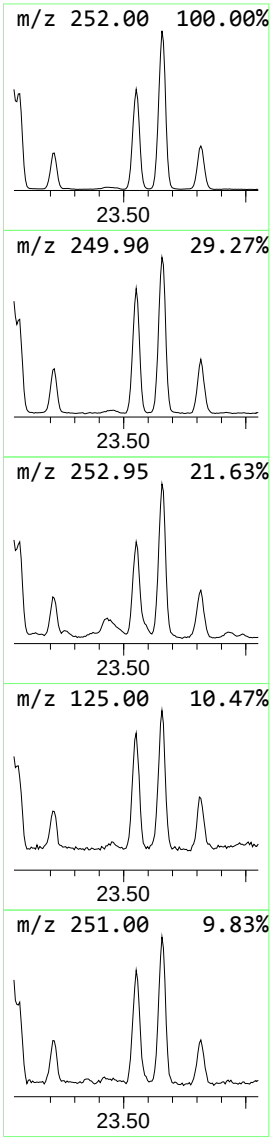
****

Peak Number 8 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.551	24.03 ng	1355510	Perylene-d12	23.763

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP062821\
Data File : BP006088.D
Acq On : 28 Jun 2021 21:15
Operator : CG/JU
Sample : M2865-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : OR-01-062521

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP060821.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...	18.151	4.6	ng	292682	4	17.281	1278400	20.0
1H-Cyclopropa[l...	18.192	4.2	ng	267874	4	17.281	1278400	20.0
4H-Cyclopenta[d...	18.334	6.6	ng	423898	4	17.281	1278400	20.0
Naphthalene, 2-...	18.628	2.6	ng	166502	4	17.281	1278400	20.0
Phenanthrene, 2...	19.034	2.7	ng	173690	4	17.281	1278400	20.0
Cyclopenta(def)...	19.175	2.4	ng	153500	4	17.281	1278400	20.0
11H-Benzo[b]flu...	20.116	2.5	ng	481354	5	21.357	3855450	20.0
Benzo[e]pyrene	23.551	24.0	ng	1355510	6	23.763	1128370	20.0