LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032322\
Data File : BM034355.D
Acq On : 24 Mar 2022 00:57
Operator : CG/JU
Sample : N1958-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C-9-8-9

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_M\Methods\8270-BM031522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM034355.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.496	377	384	392	rBV	490200	744846	13.03%	1.652%
2	7.096	649	656	665	rBV	435354	758400	13.26%	1.682%
3	7.937	793	799	807	rBV	654931	1027486	17.97%	2.279%
4	9.101	990	997	1007	rBV	272505	475220	8.31%	1.054%
5	10.748	1269	1277	1283	rBV	817323	1417920	24.80%	3.145%
6	10.801	1283	1286	1292	rVB	83319	127357	2.23%	0.282%
7	13.207	1688	1695	1706	rBV	741888	1084300	18.96%	2.405%
8	14.301	1876	1881	1889	rBV	55329	89046	1.56%	0.197%
9	14.413	1893	1900	1908	rBV3	31532	81089	1.42%	0.180%
10	14.577	1921	1928	1935	rBV	1185455	1768405	30.93%	3.922%
11	14.642	1935	1939	1947	rVB	99033	150315	2.63%	0.333%
12	14.977	1990	1996	2004	rVB	58997	94790	1.66%	0.210%
13	15.624	2100	2106	2117	rVB2	98160	155317	2.72%	0.344%
14	15.918	2151	2156	2165	rVB	51543	89242	1.56%	0.198%
15	16.060	2174	2180	2190	rBV	578646	891477	15.59%	1.977%
16	16.289	2215	2219	2228	rBV4	44673	95450	1.67%	0.212%
17	16.630	2270	2277	2281	rBV4	34713	62972	1.10%	0.140%
18	16.971	2331	2335	2343	rVB4	48768	82656	1.45%	0.183%
19	17.136	2359	2363	2373	rVB	94256	157406	2.75%	0.349%
20	17.318	2388	2394	2398	rBV	1372418	1964526	34.36%	4.357%
21	17.360	2398	2401	2408	rVV	1483071	2067489	36.16%	4.585%
22	17.454	2412	2417	2423	rVV	401105	576825	10.09%	1.279%
23	17.507	2423	2426	2432	rVB3	41170	76954	1.35%	0.171%
24	17.718	2459	2462	2466	rBV	41387	62341	1.09%	0.138%
25	17.824	2476	2480	2481	rBV2	55203	66034	1.15%	0.146%
26	18.201	2539	2544	2548	rBV	231541	432876	7.57%	0.960%
27	18.248	2548	2552	2560	rVB	295947	447376	7.82%	0.992%
28	18.324	2561	2565	2569	rBV	136678	183519	3.21%	0.407%
29	18.395	2571	2577	2581	rBV2	343896	641078	11.21%	1.422%
30	18.512	2594	2597	2602	rBV	74965	91383	1.60%	0.203%
31	18.695	2624	2628	2631	rBV	162539	215493	3.77%	0.478%
32	18.730	2631	2634	2642	rVB3	115043	175650	3.07%	0.390%
33	18.942	2668	2670	2673	rVB	60111	57334	1.00%	0.127%
34	19.112	2695	2699	2702	rBV	138950	206874	3.62%	0.459%
35	19.148	2702	2705	2707	rVV	59971	68906	1.21%	0.153%
36	19.254	2719	2723	2729	rVB	153759	236596	4.14%	0.525%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032322\
Data File : BM034355.D
Acq On : 24 Mar 2022 00:57
Operator : CG/JU
Sample : N1958-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C-9-8-9

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_M\Methods\8270-BM031522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	19.377	2738	2744	2751	rBV	4289860	5717563	100.00%	12.680%
38	19.618	2782	2785	2789	rVB	105686	119895	2.10%	0.266%
39	19.736	2795	2805	2813	rBV	3406599	5470697	95.68%	12.133%
40	19.806	2814	2817	2824	rVB2	140982	232494	4.07%	0.516%
41	19.936	2833	2839	2843	rVB2	1073466	1325887	23.19%	2.941%
42	20.230	2886	2889	2899	rVB2	311727	457384	8.00%	1.014%
43	20.977	3013	3016	3021	rVB	218171	286512	5.01%	0.635%
44	21.489	3097	3103	3107	rBV2	2186767	4511242	78.90%	10.005%
45	21.530	3107	3110	3120	rVB	1477916	2032070	35.54%	4.507%
46	23.177	3385	3390	3396	rBV	1162287	2783557	48.68%	6.173%
47	23.700	3475	3479	3489	rVB	762630	1585222	27.73%	3.516%
48	23.806	3492	3497	3504	rVB	1101188	2039625	35.67%	4.523%
49	23.912	3510	3515	3521	rBV2	891924	1603231	28.04%	3.556%

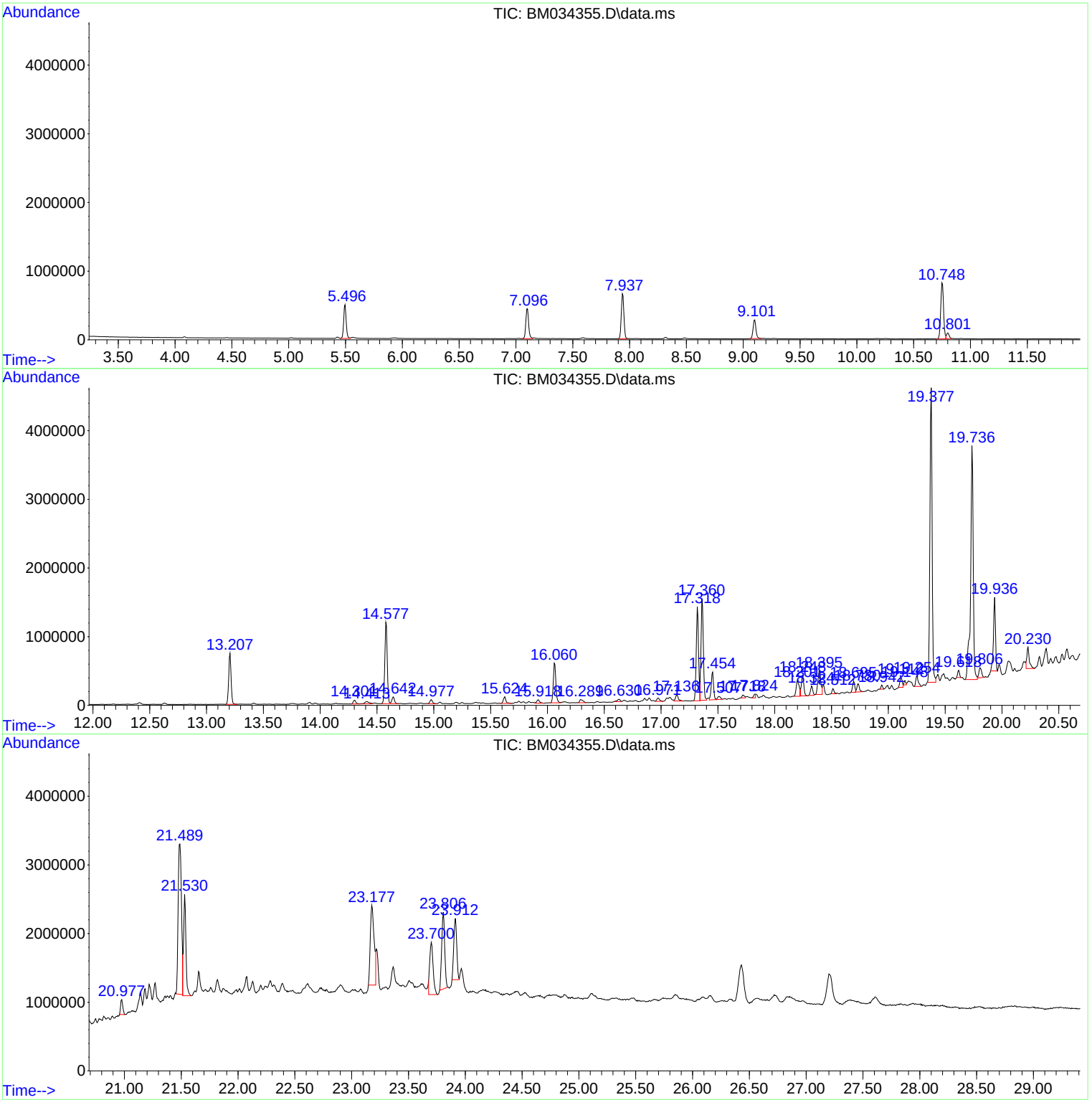
Sum of corrected areas: 45090327

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032322\
Data File : BM034355.D
Acq On : 24 Mar 2022 00:57
Operator : CG/JU
Sample : N1958-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C-9-8-9

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032322\
Data File : BM034355.D
Acq On : 24 Mar 2022 00:57
Operator : CG/JU
Sample : N1958-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C-9-8-9

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

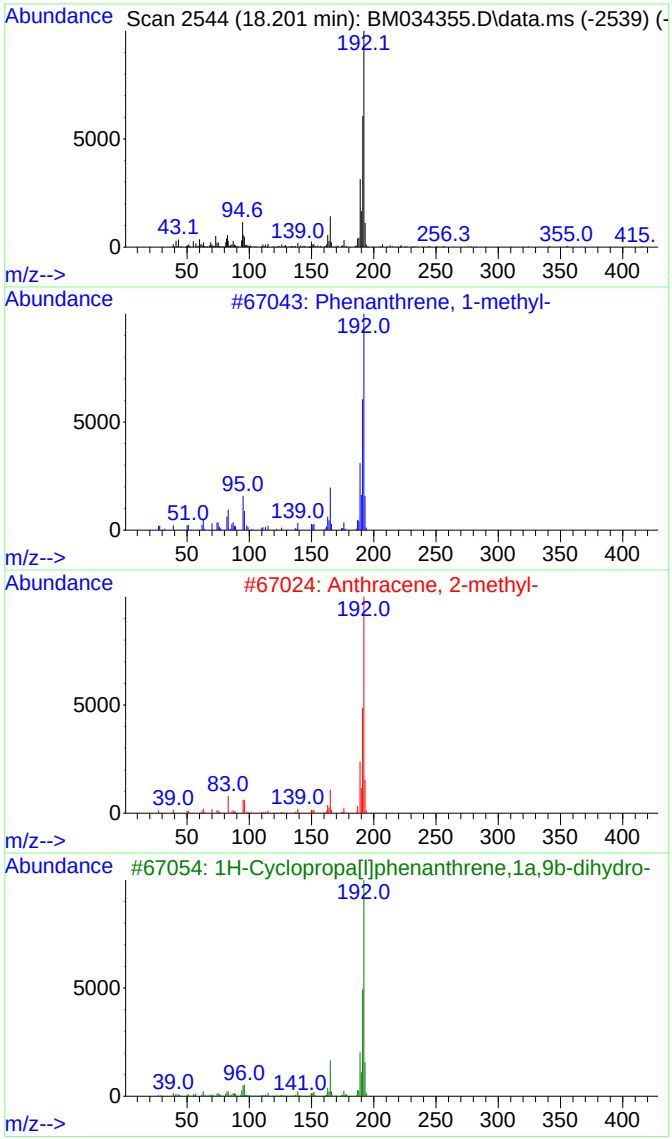
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

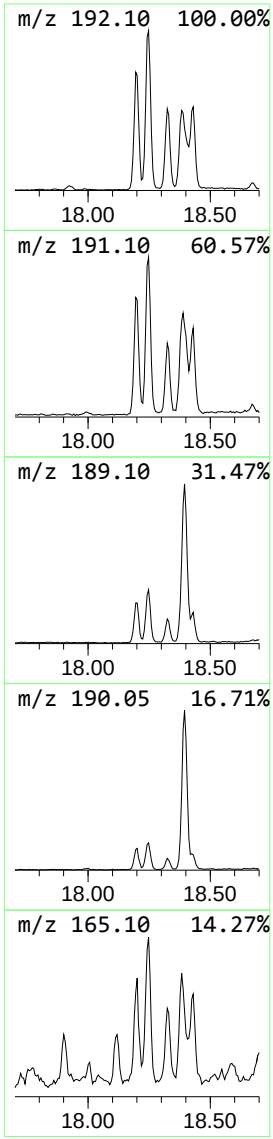
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.201	4.41 ng	432876	Phenanthrene-d10	17.318

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032322\
Data File : BM034355.D
Acq On : 24 Mar 2022 00:57
Operator : CG/JU
Sample : N1958-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C-9-8-9

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

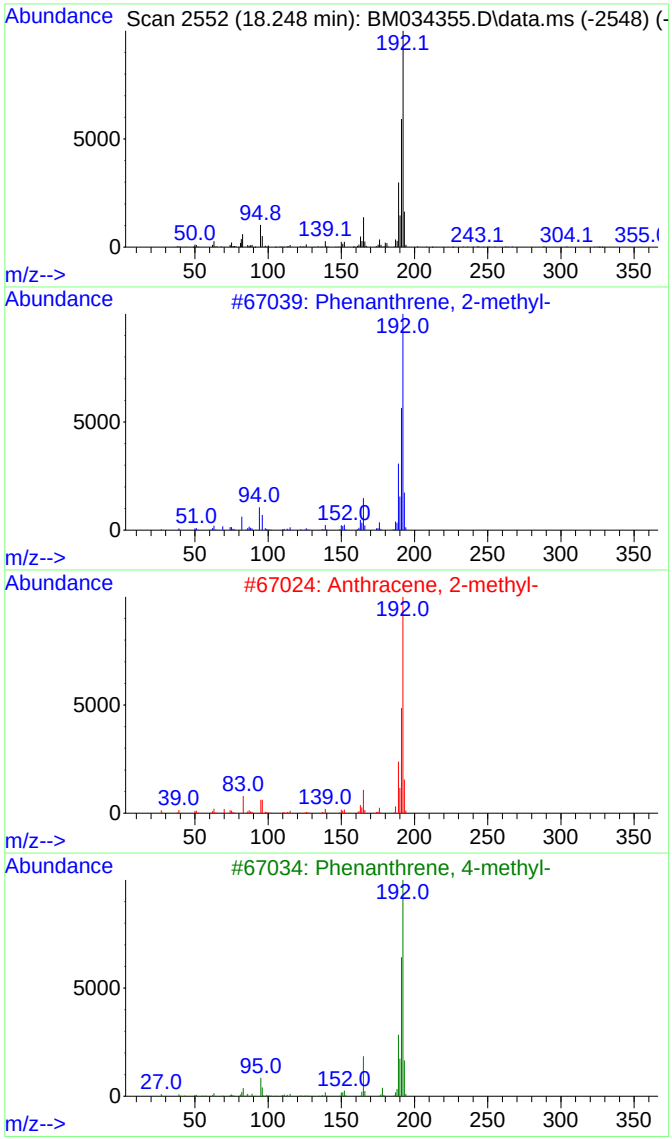
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

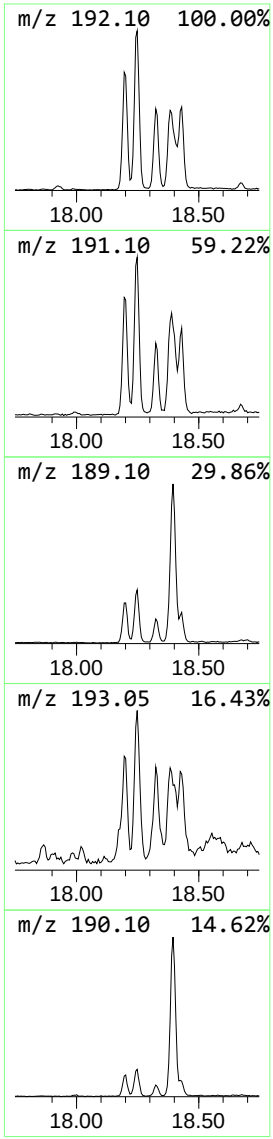
****

Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.248	4.55 ng	447376	Phenanthrene-d10	17.318

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	96
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032322\
Data File : BM034355.D
Acq On : 24 Mar 2022 00:57
Operator : CG/JU
Sample : N1958-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C-9-8-9

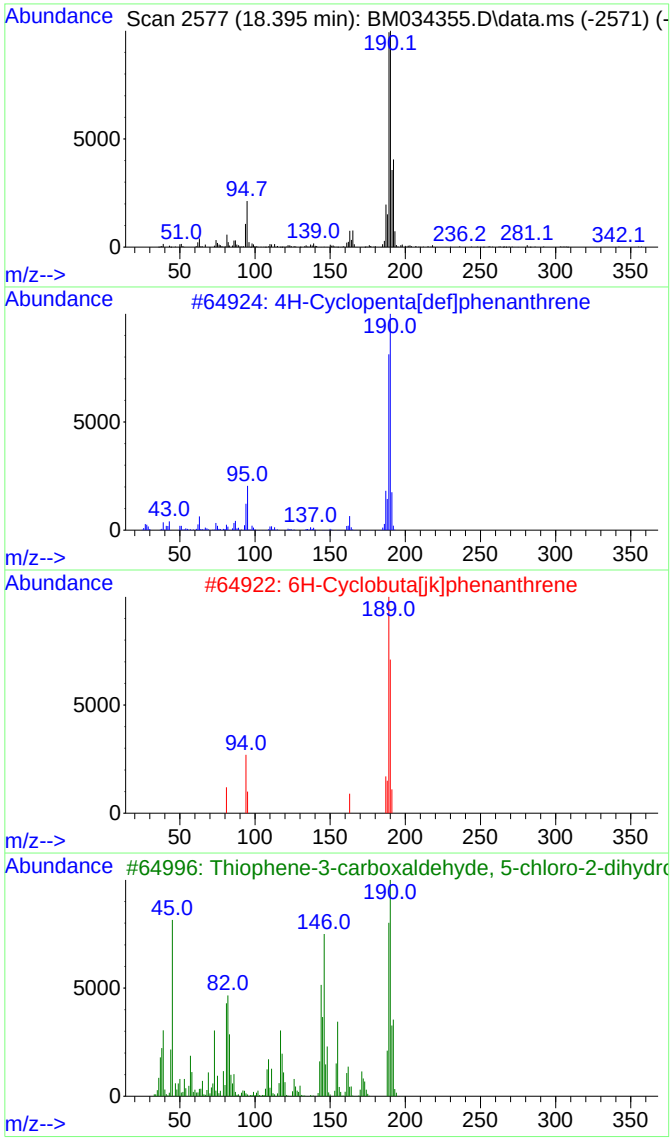
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

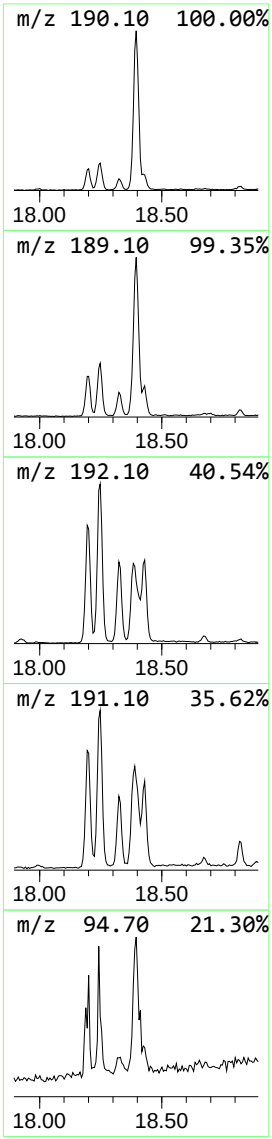
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.395	6.53 ng	641078	Phenanthrene-d10	17.318

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	52
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	28





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032322\
Data File : BM034355.D
Acq On : 24 Mar 2022 00:57
Operator : CG/JU
Sample : N1958-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C-9-8-9

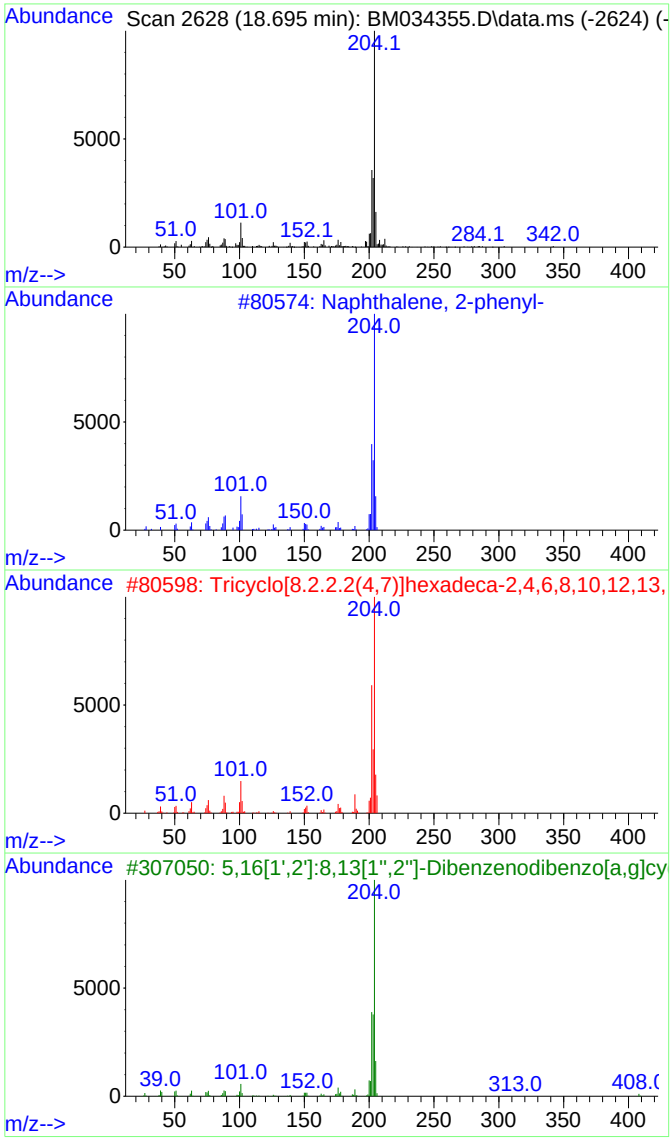
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

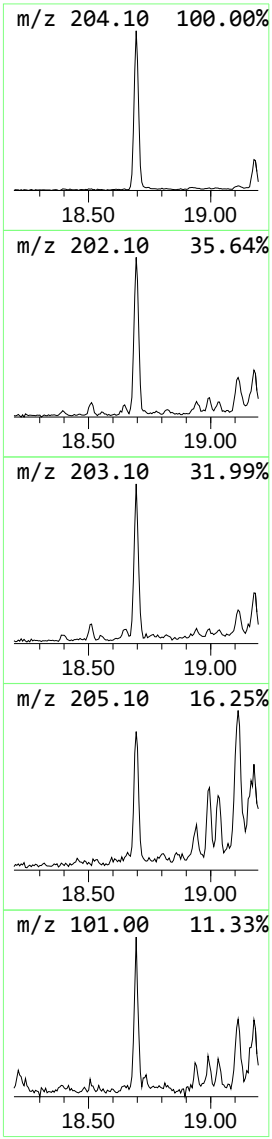
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.695	2.19 ng	215493	Phenanthrene-d10	17.318

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	90
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032322\
Data File : BM034355.D
Acq On : 24 Mar 2022 00:57
Operator : CG/JU
Sample : N1958-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C-9-8-9

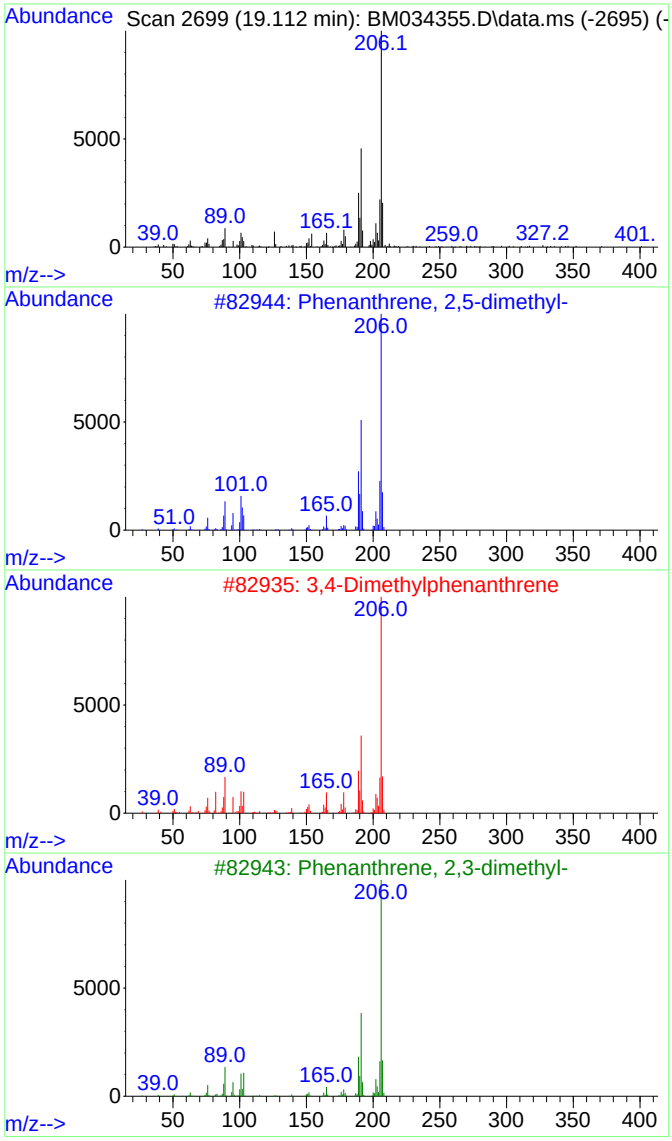
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

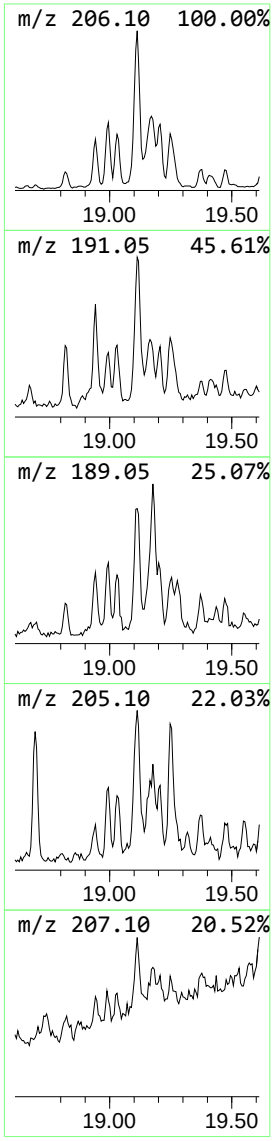
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.112	2.11 ng	206874	Phenanthrene-d10	17.318

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	90
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032322\
Data File : BM034355.D
Acq On : 24 Mar 2022 00:57
Operator : CG/JU
Sample : N1958-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C-9-8-9

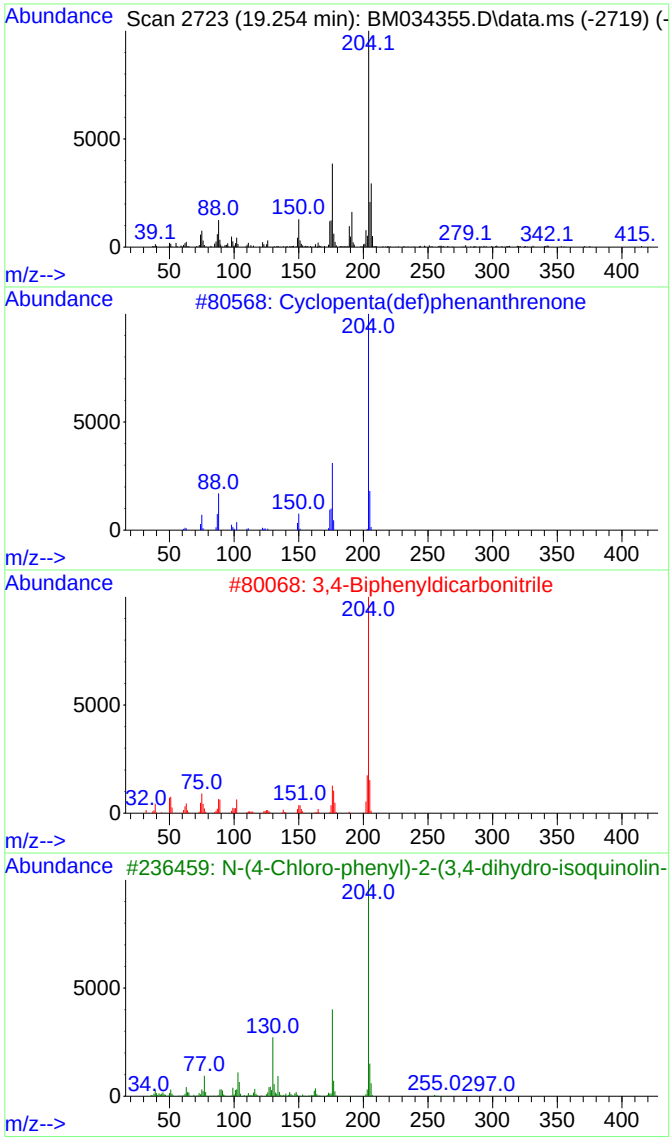
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

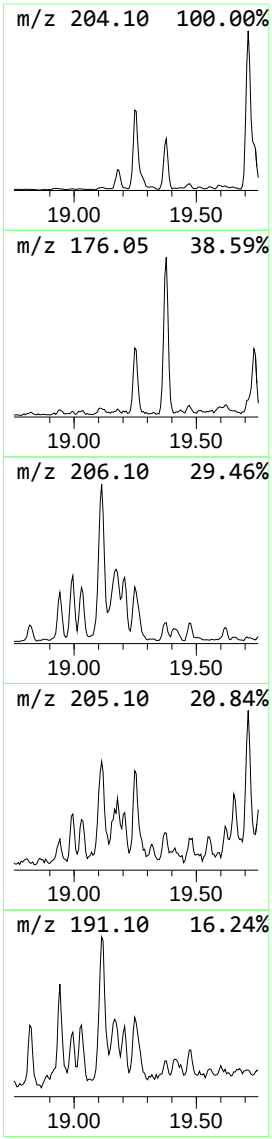
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Cyclopenta(def)phenanthrenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.254	2.41 ng	236596	Phenanthrene-d10	17.318

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
3	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1010296-34-3	50
4	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	47
5	[1,1'-Biphenyl-4-ol], 2-chloro-	204	C12H9ClO	023719-22-4	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032322\
Data File : BM034355.D
Acq On : 24 Mar 2022 00:57
Operator : CG/JU
Sample : N1958-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C-9-8-9

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

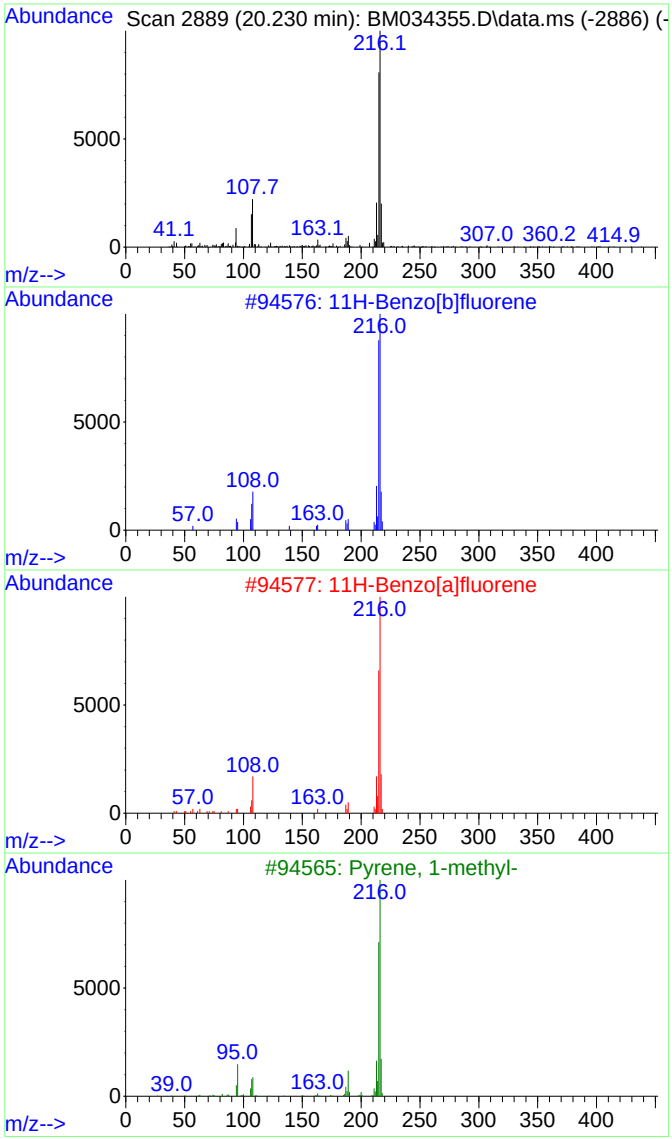
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

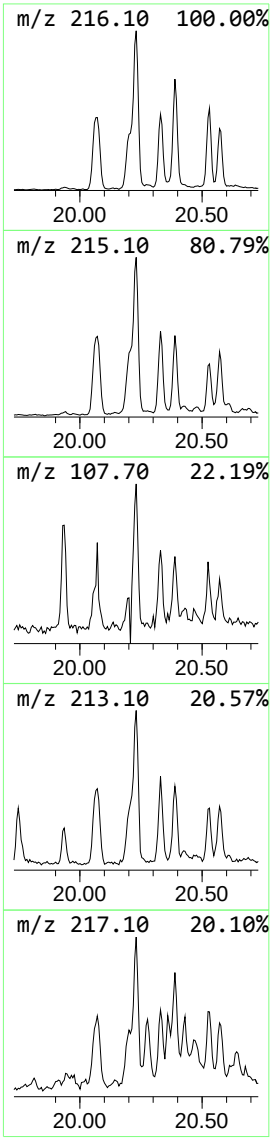
****

Peak Number 7 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.230	2.03 ng	457384	Chrysene-d12	21.495

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032322\
Data File : BM034355.D
Acq On : 24 Mar 2022 00:57
Operator : CG/JU
Sample : N1958-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C-9-8-9

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

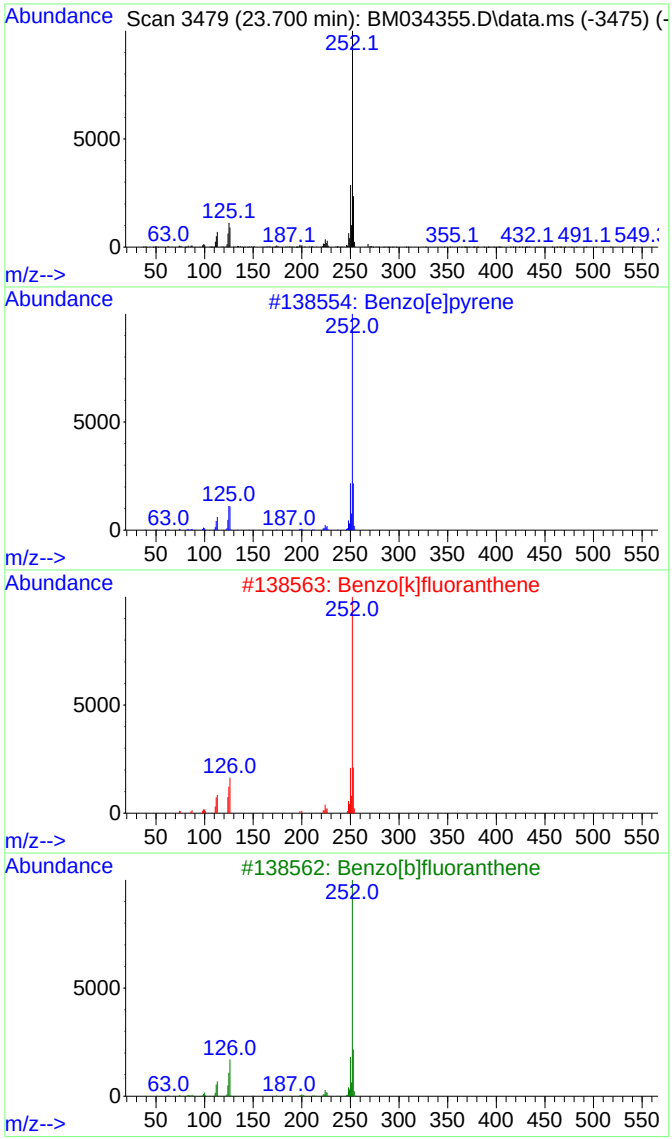
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

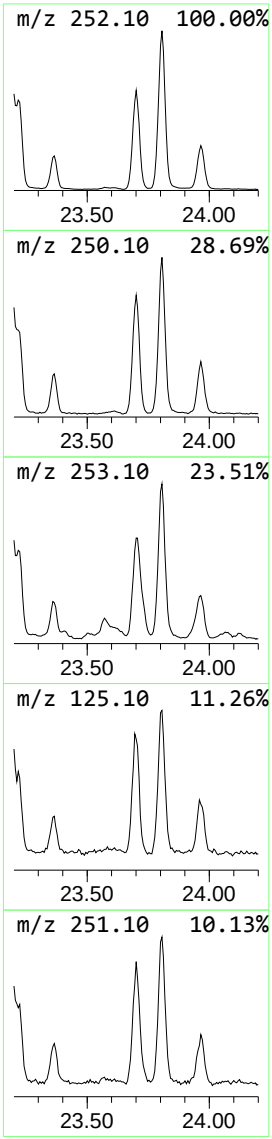
****

Peak Number 8 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.700	19.78 ng	1585220	Perylene-d12	23.912

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	96
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Perylene	252	C20H12	000198-55-0	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032322\
Data File : BM034355.D
Acq On : 24 Mar 2022 00:57
Operator : CG/JU
Sample : N1958-09 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
C-9-8-9

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Phenanthrene, 1...	18.201	4.4	ng	432876	4	17.318	1964530	20.0
Phenanthrene, 2...	18.248	4.5	ng	447376	4	17.318	1964530	20.0
4H-Cyclopenta[d...	18.395	6.5	ng	641078	4	17.318	1964530	20.0
Naphthalene, 2-...	18.695	2.2	ng	215493	4	17.318	1964530	20.0
Phenanthrene, 2...	19.112	2.1	ng	206874	4	17.318	1964530	20.0
Cyclopenta(def)...	19.254	2.4	ng	236596	4	17.318	1964530	20.0
11H-Benzo[b]flu...	20.230	2.0	ng	457384	5	21.495	4511240	20.0
Benzo[e]pyrene	23.700	19.8	ng	1585220	6	23.912	1603230	20.0