LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
Data File : BG054293.D
Acq On : 14 Jul 2022 23:58
Operator : CG/JU
Sample : N3708-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-2-071322

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_G\Methods\8270-BG071222.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG054293.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.609	372	378	387	rBV	39374	67286	8.38%	0.994%
2	7.207	643	650	659	rVB	43354	75934	9.46%	1.121%
3	8.036	785	791	799	rBB	60644	106974	13.32%	1.580%
4	9.199	983	989	997	rBV2	25595	47207	5.88%	0.697%
5	10.844	1260	1269	1276	rBV	84395	160637	20.01%	2.372%
6	13.288	1678	1685	1693	rBB	94199	148227	18.46%	2.189%
7	14.393	1868	1873	1879	rBV3	6564	11715	1.46%	0.173%
8	14.663	1910	1919	1926	rBV	153589	255550	31.83%	3.774%
9	14.728	1926	1930	1936	rVB	12264	19045	2.37%	0.281%
10	15.057	1982	1986	1991	rBV2	7385	12581	1.57%	0.186%
11	15.709	2091	2097	2105	rVB2	16326	27314	3.40%	0.403%
12	16.150	2164	2172	2182	rBV3	80099	134802	16.79%	1.991%
13	16.385	2203	2212	2217	rBV3	5853	10516	1.31%	0.155%
14	16.714	2258	2268	2272	rBV4	5674	13289	1.66%	0.196%
15	17.066	2322	2328	2334	rVB5	4637	9291	1.16%	0.137%
16	17.143	2334	2341	2348	rBV6	4470	11685	1.46%	0.173%
17	17.231	2348	2356	2361	rBV2	7814	15424	1.92%	0.228%
18	17.407	2380	2386	2390	rBV	207643	333347	41.52%	4.923%
19	17.454	2390	2394	2401	rVV	156460	238796	29.74%	3.526%
20	17.542	2404	2409	2414	rVV	40775	61898	7.71%	0.914%
21	17.601	2414	2419	2425	rVB4	5127	10360	1.29%	0.153%
22	17.813	2449	2455	2460	rBV	6982	12930	1.61%	0.191%
23	17.989	2478	2485	2493	rVB3	8596	17508	2.18%	0.259%
24	18.288	2531	2536	2540	rBV	32553	52370	6.52%	0.773%
25	18.335	2540	2544	2549	rVB	43644	67759	8.44%	1.001%
26	18.412	2552	2557	2563	rBV2	16429	31728	3.95%	0.469%
27	18.482	2563	2569	2573	rBV3	53279	104208	12.98%	1.539%
28	18.676	2597	2602	2608	rBV5	8154	17077	2.13%	0.252%
29	18.776	2615	2619	2624	rVV	26199	41523	5.17%	0.613%
30	18.823	2624	2627	2634	rVB3	13430	26757	3.33%	0.395%
31	19.005	2653	2658	2659	rBV5	7331	10405	1.30%	0.154%
32	19.029	2659	2662	2666	rVV5	11242	16605	2.07%	0.245%
33	19.082	2667	2671	2674	rVV2	14418	21690	2.70%	0.320%
34	19.117	2674	2677	2680	rVB3	10331	13883	1.73%	0.205%
35	19.199	2686	2691	2695	rBV	30544	51999	6.48%	0.768%
36	19.258	2697	2701	2705	rVV5	10985	21066	2.62%	0.311%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
Data File : BG054293.D
Acq On : 14 Jul 2022 23:58
Operator : CG/JU
Sample : N3708-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-2-071322

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_G\Methods\8270-BG071222.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	19.340	2710	2715	2720	rBV2	21860	45800	5.70%	0.676%
38	19.464	2730	2736	2742	rBV	401866	581874	72.47%	8.593%
39	19.516	2742	2745	2749	rVV4	11053	17710	2.21%	0.262%
40	19.558	2749	2752	2756	rVB3	10779	12948	1.61%	0.191%
41	19.616	2756	2762	2766	rBV4	10831	23093	2.88%	0.341%
42	19.704	2773	2777	2780	rBV2	14623	22262	2.77%	0.329%
43	19.793	2787	2792	2793	rBV	72355	92680	11.54%	1.369%
44	19.822	2793	2797	2806	rVV	344622	557285	69.41%	8.230%
45	19.898	2806	2810	2817	rVB2	24442	41278	5.14%	0.610%
46	20.016	2822	2830	2834	rBV	210013	307359	38.28%	4.539%
47	20.063	2834	2838	2843	rVB2	19370	34594	4.31%	0.511%
48	20.145	2846	2852	2858	rBV4	36219	95250	11.86%	1.407%
49	20.316	2871	2881	2886	rBV	73158	153008	19.06%	2.260%
50	20.415	2894	2898	2902	rVB	48397	62486	7.78%	0.923%
51	20.474	2902	2908	2912	rBV2	42277	72382	9.01%	1.069%
52	20.615	2928	2932	2936	rBV	27952	44719	5.57%	0.660%
53	21.303	3046	3049	3054	rVB	24561	35568	4.43%	0.525%
54	21.679	3105	3113	3118	rBV2	311147	802920	100.00%	11.857%
55	21.731	3118	3122	3134	rVB	160255	302948	37.73%	4.474%
56	21.884	3144	3148	3153	rVB	34394	51593	6.43%	0.762%
57	23.900	3484	3491	3498	rBV3	116690	369468	46.02%	5.456%
58	24.769	3633	3639	3652	rVB	132132	382737	47.67%	5.652%
59	24.928	3658	3666	3674	rBV2	137995	382357	47.62%	5.646%

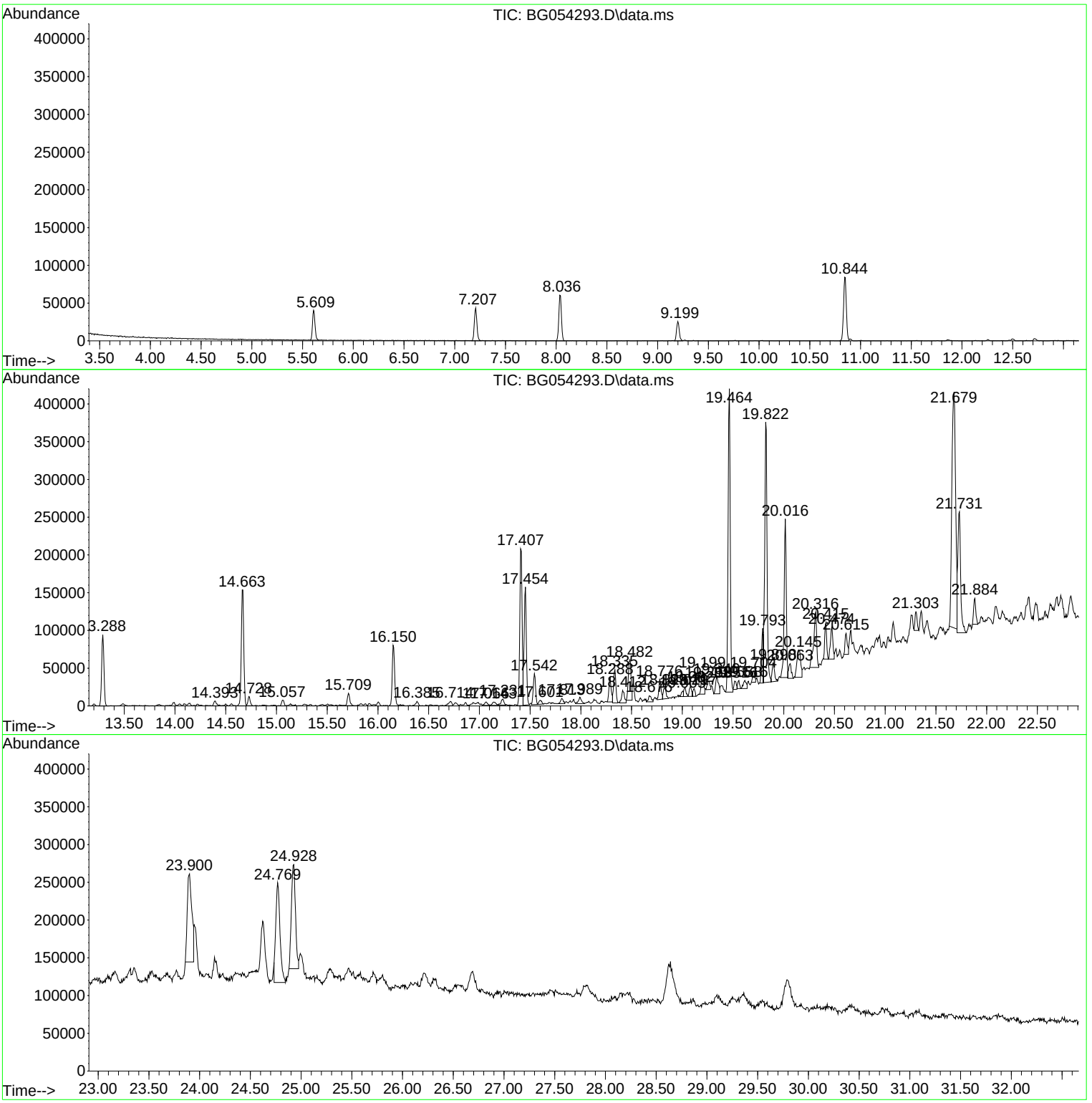
Sum of corrected areas: 6771705

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
Data File : BG054293.D
Acq On : 14 Jul 2022 23:58
Operator : CG/JU
Sample : N3708-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-2-071322

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.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_G\Data\BG071422\
Data File : BG054293.D
Acq On : 14 Jul 2022 23:58
Operator : CG/JU
Sample : N3708-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-2-071322

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

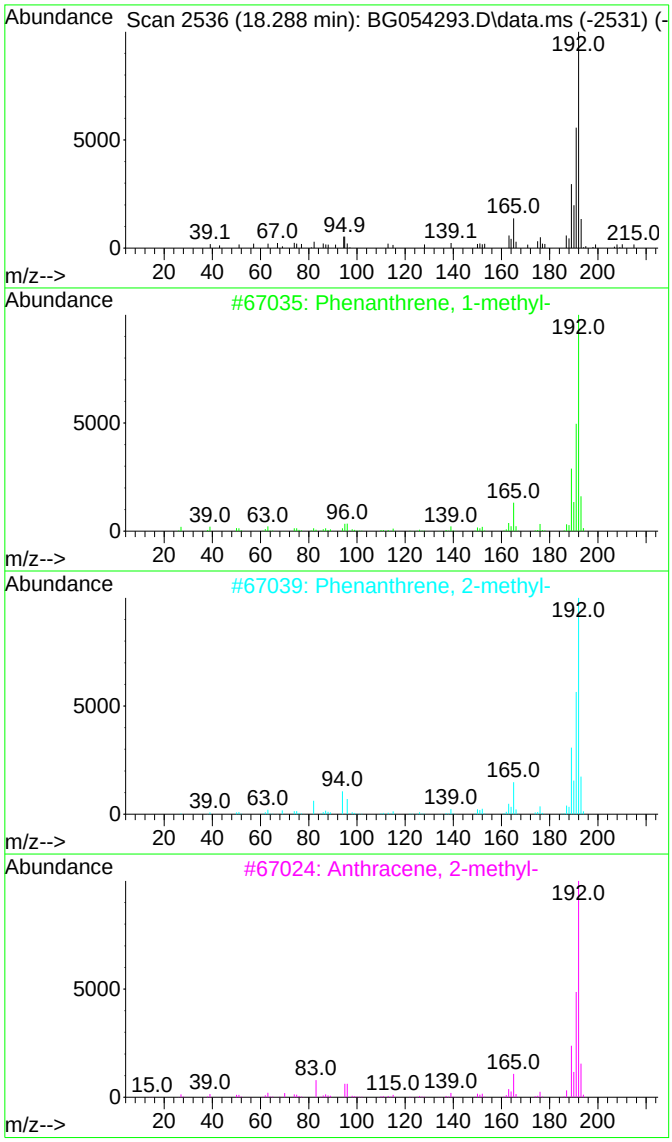
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

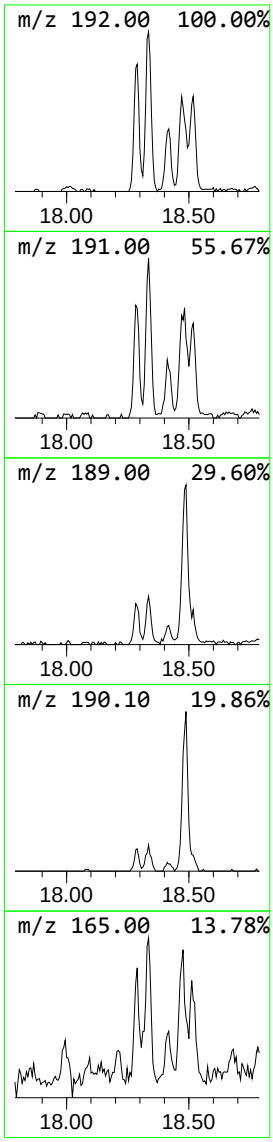
****

Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.288	3.14 ng	52370	Phenanthrene-d10	17.407

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
Data File : BG054293.D
Acq On : 14 Jul 2022 23:58
Operator : CG/JU
Sample : N3708-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-2-071322

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

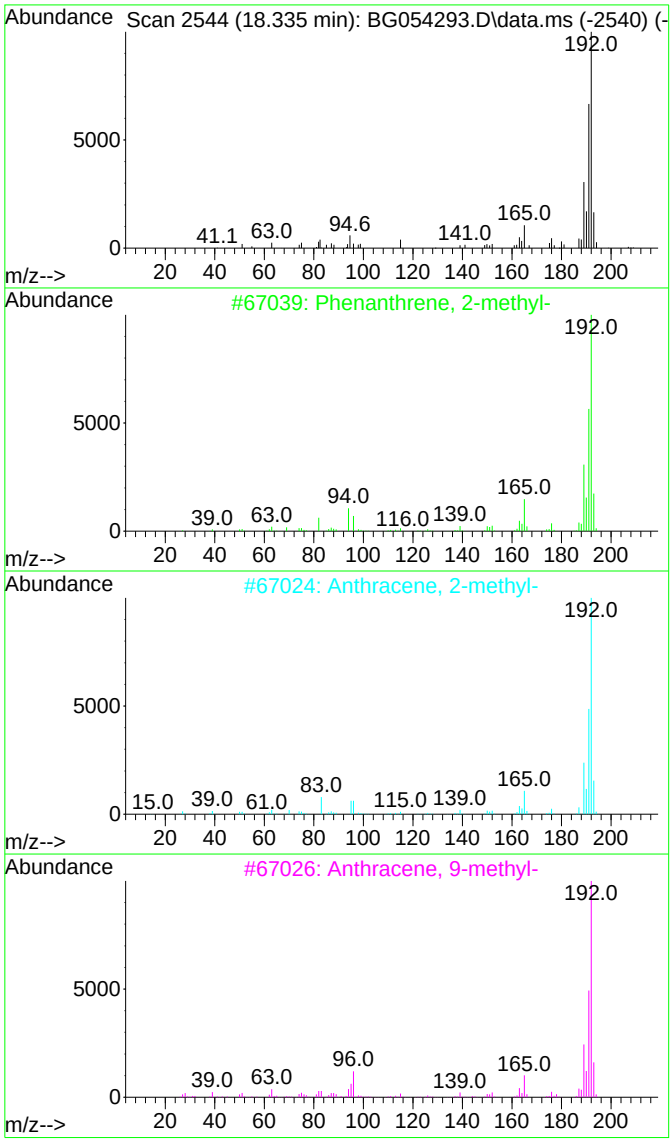
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

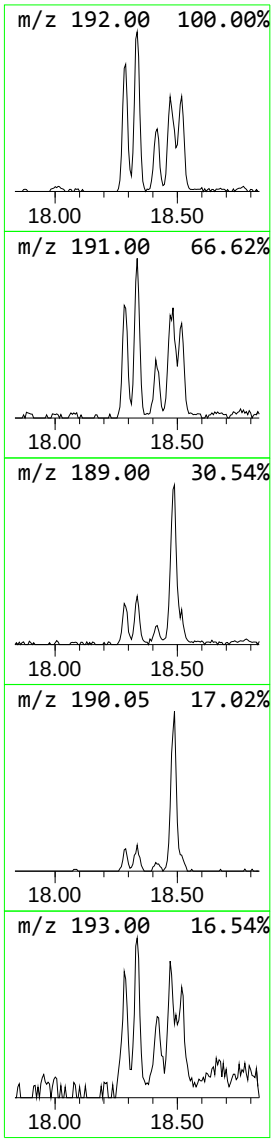
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.336	4.07 ng	67759	Phenanthrene-d10	17.407

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
Data File : BG054293.D
Acq On : 14 Jul 2022 23:58
Operator : CG/JU
Sample : N3708-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-2-071322

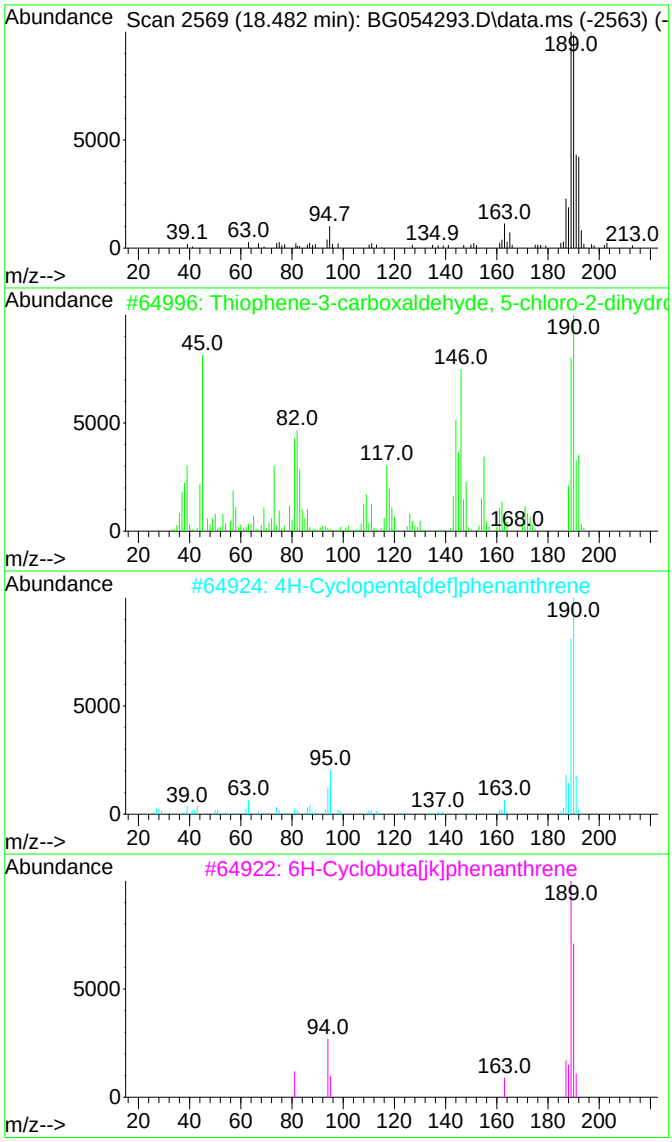
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

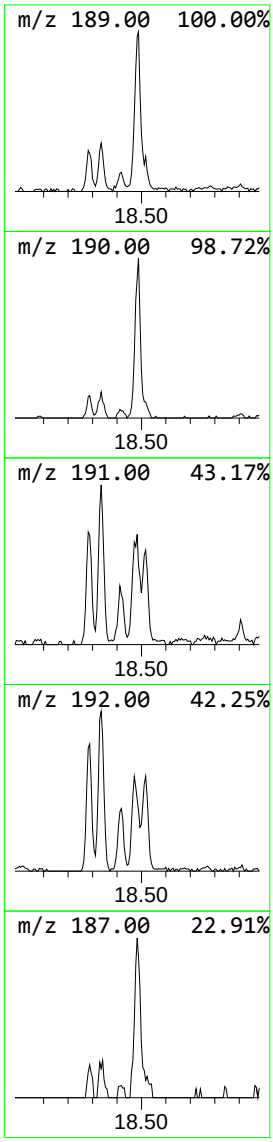
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Thiophene-3-carboxaldehyde,... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.482	6.25 ng	104208	Phenanthrene-d10	17.407

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	80
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	28
5	Carbonic acid, 2-formyl-4,6-dich...	276	C11H10Cl2O4	1000331-39-3	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
Data File : BG054293.D
Acq On : 14 Jul 2022 23:58
Operator : CG/JU
Sample : N3708-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-2-071322

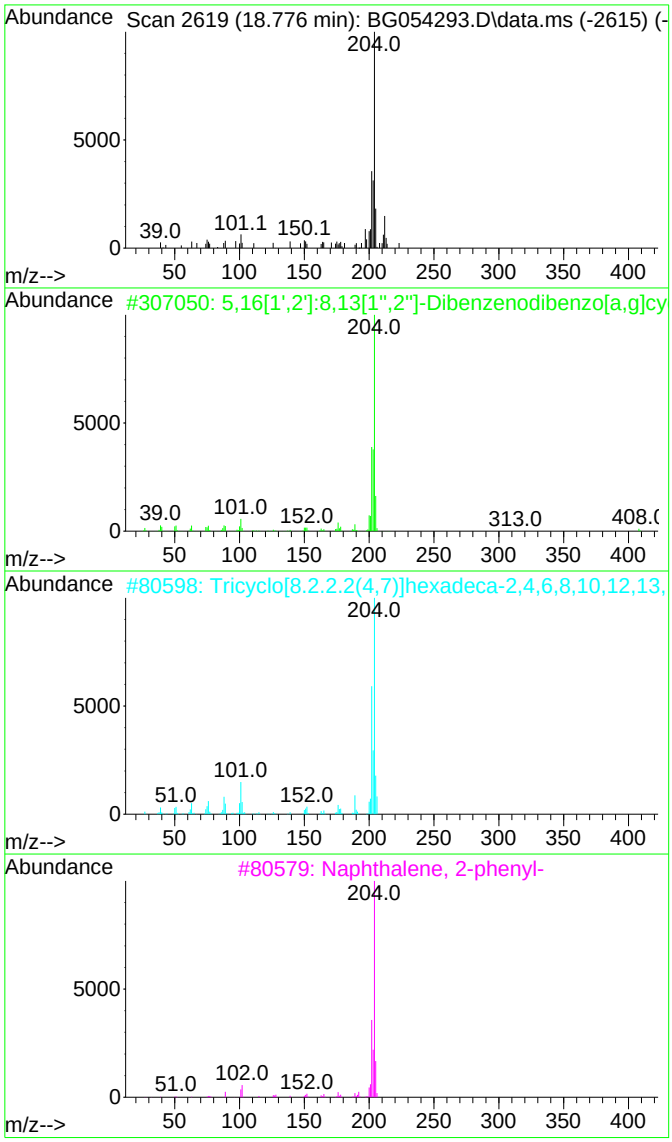
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

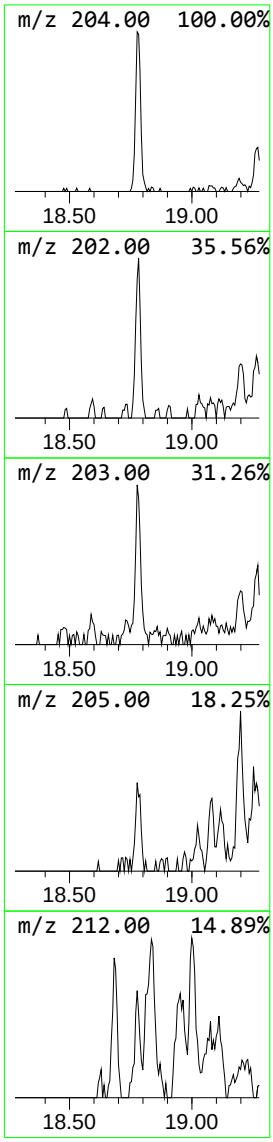
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.776	2.49 ng	41523	Phenanthrene-d10	17.407

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
Data File : BG054293.D
Acq On : 14 Jul 2022 23:58
Operator : CG/JU
Sample : N3708-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-2-071322

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

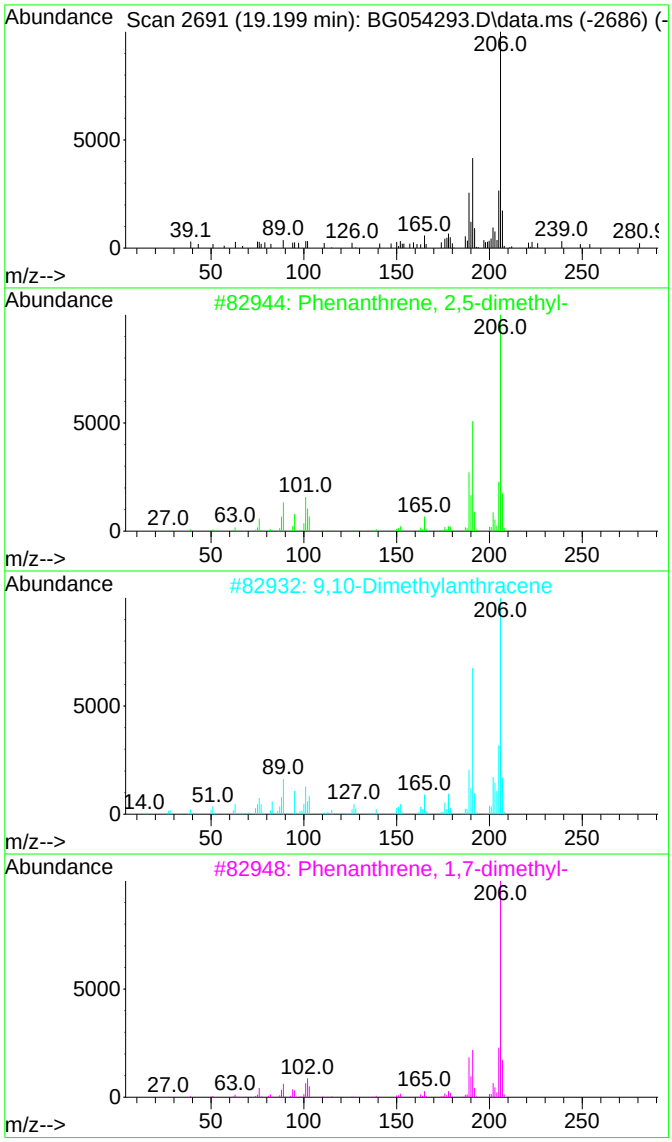
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

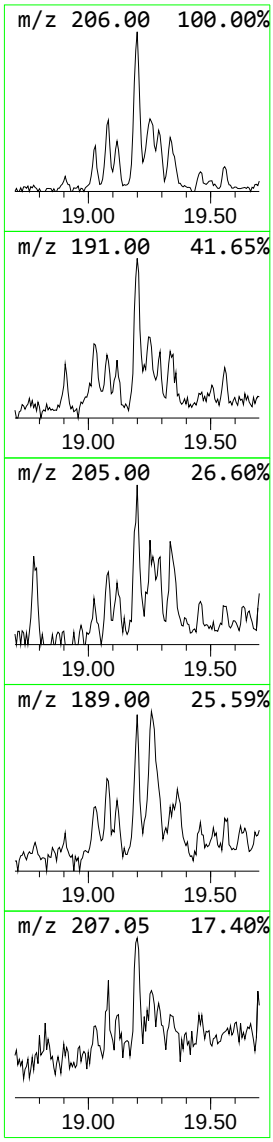
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.199	3.12 ng	51999	Phenanthrene-d10	17.407

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
Data File : BG054293.D
Acq On : 14 Jul 2022 23:58
Operator : CG/JU
Sample : N3708-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-2-071322

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

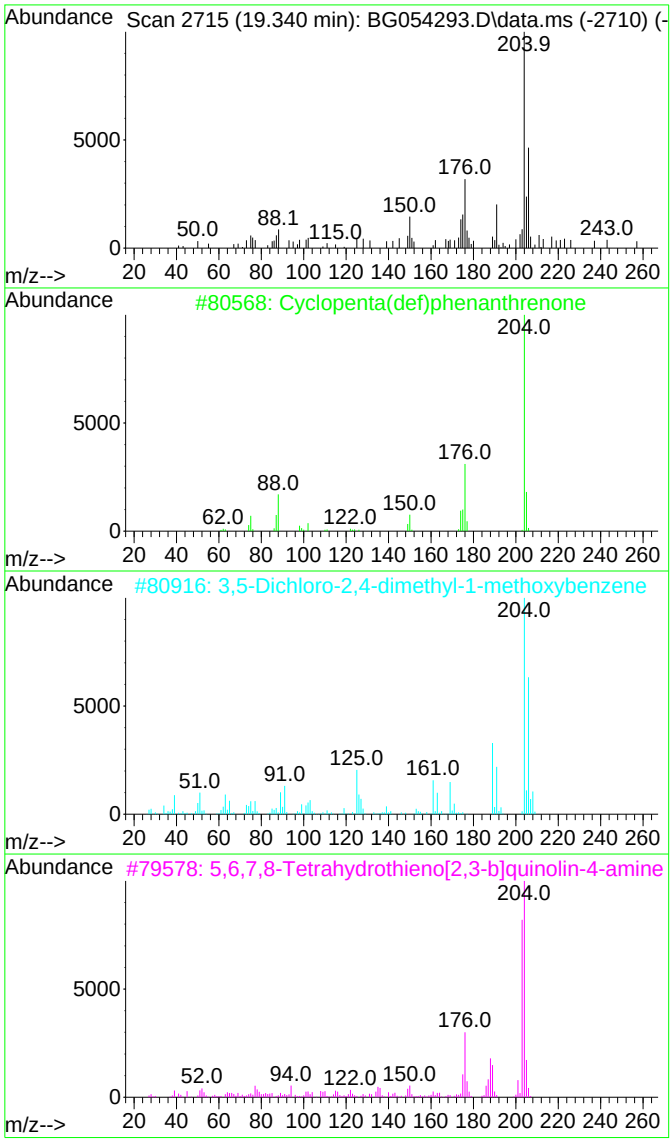
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

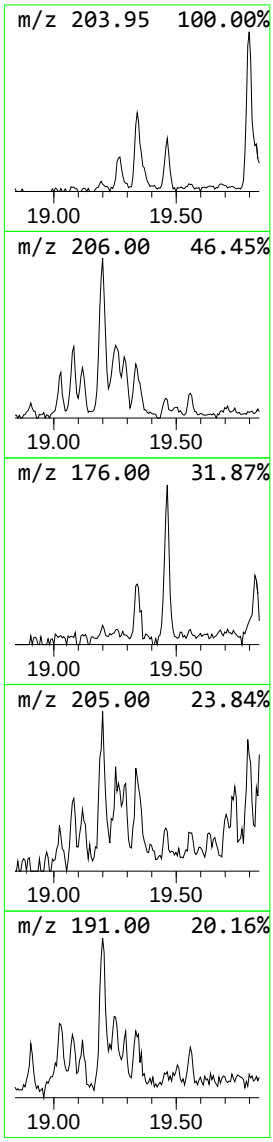
****

Peak Number 7 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.340	2.75 ng	45800	Phenanthrene-d10	17.407

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	62
2	3,5-Dichloro-2,4-dimethyl-1-meth...	204	C9H10Cl2O	1010250-17-8	52
3	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	50
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	49
5	[1,1'-Biphenyl-4-ol], 2-chloro-	204	C12H9ClO	023719-22-4	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
Data File : BG054293.D
Acq On : 14 Jul 2022 23:58
Operator : CG/JU
Sample : N3708-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-2-071322

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

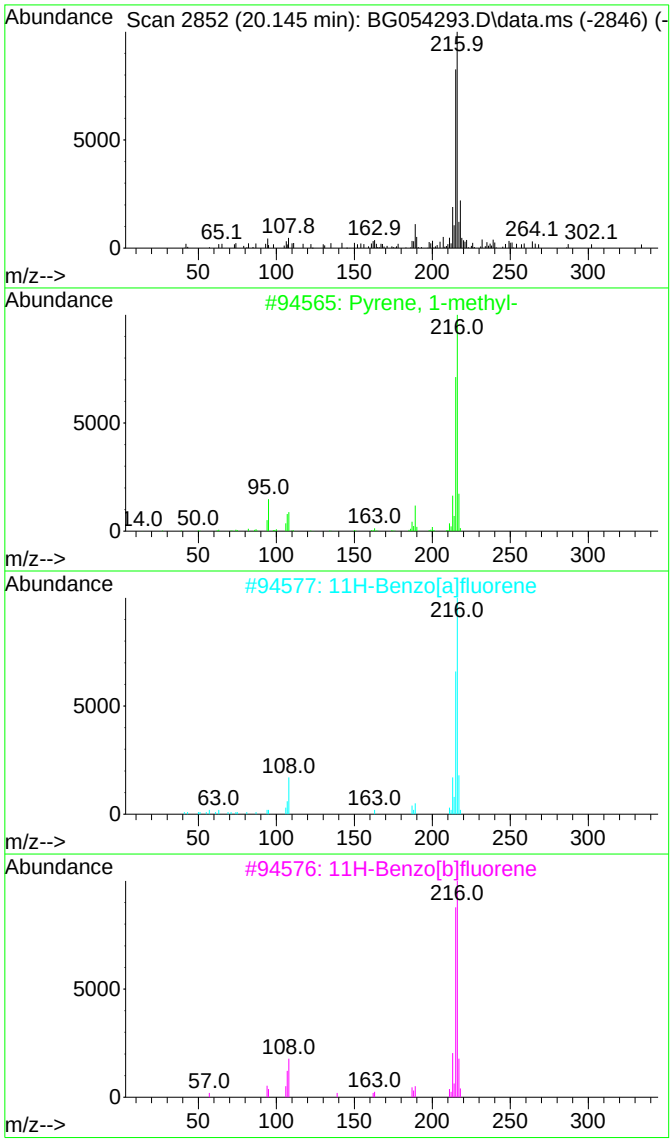
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

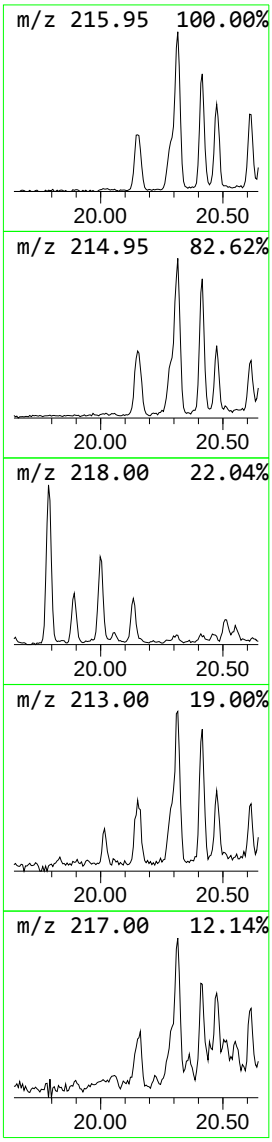
****

Peak Number 8 Pyrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.145	2.37 ng	95250	Chrysene-d12	21.685

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	74
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	68
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	64
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	59
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
Data File : BG054293.D
Acq On : 14 Jul 2022 23:58
Operator : CG/JU
Sample : N3708-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-2-071322

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

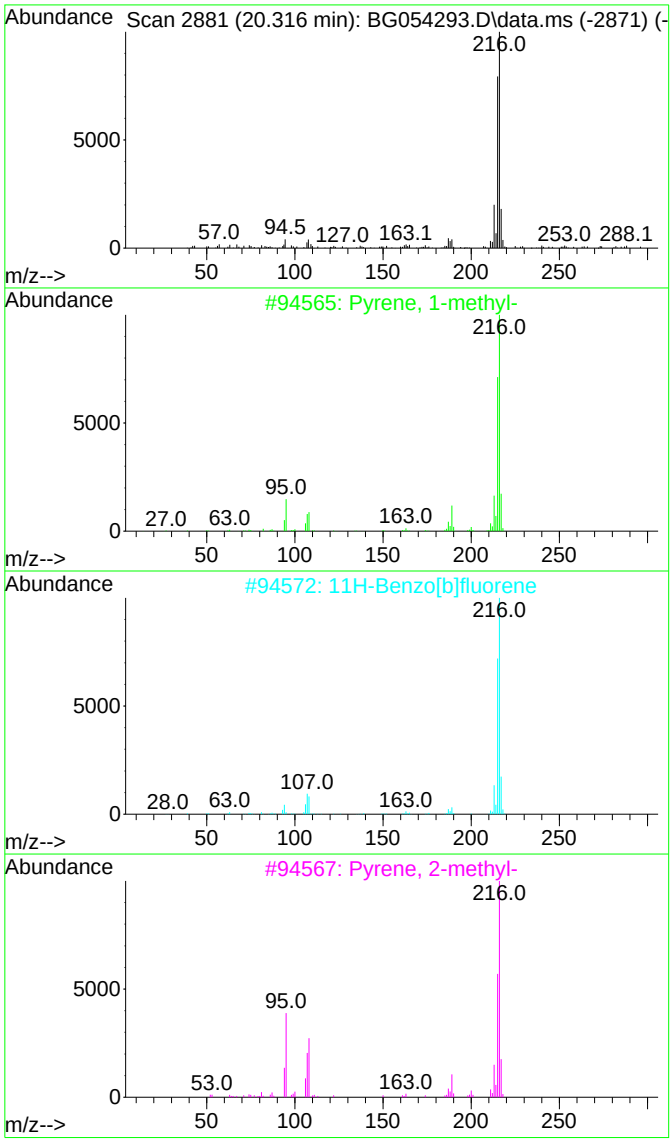
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

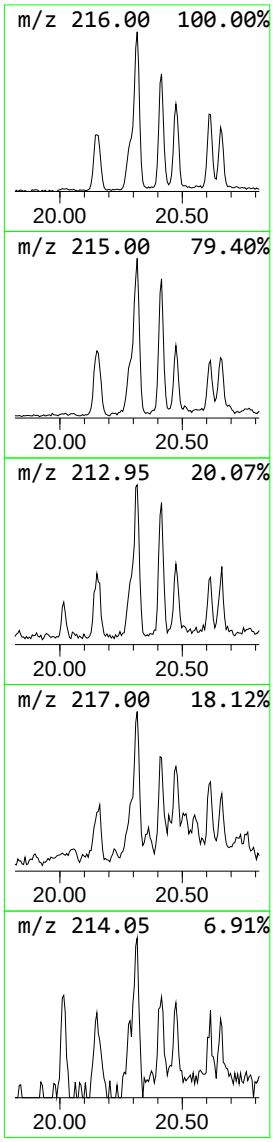
****

Peak Number 9 11H-Benzo[b]fluorene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.316	3.81 ng	153008	Chrysene-d12	21.685

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071422\
Data File : BG054293.D
Acq On : 14 Jul 2022 23:58
Operator : CG/JU
Sample : N3708-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-2-071322

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071222.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...	18.288	3.1	ng	52370	4	17.407	333347	20.0
Phenanthrene, 2...	18.336	4.1	ng	67759	4	17.407	333347	20.0
Thiophene-3-car...	18.482	6.3	ng	104208	4	17.407	333347	20.0
5,16[1',2']:8,1...	18.776	2.5	ng	41523	4	17.407	333347	20.0
Phenanthrene, 2...	19.199	3.1	ng	51999	4	17.407	333347	20.0
Cyclopenta(def)...	19.340	2.8	ng	45800	4	17.407	333347	20.0
Pyrene, 1-methyl-	20.145	2.4	ng	95250	5	21.685	802920	20.0
11H-Benzo[b]flu...	20.316	3.8	ng	153008	5	21.685	802920	20.0