LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112723\
Data File : BG059908.D
Acq On : 27 Nov 2023 19:52
Operator : MA/JU
Sample : 05466-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB21144

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-BG111623.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG059908.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.803	403	411	421	rVB	917588	1452712	5.53%	1.342%
2	7.436	681	689	696	rBV	1019878	1754653	6.68%	1.621%
3	8.306	831	837	843	rBV3	160449	286174	1.09%	0.264%
4	9.510	1032	1042	1050	rBV	689193	1224925	4.67%	1.132%
5	11.155	1315	1322	1328	rBV	222269	410792	1.56%	0.380%
6	13.564	1725	1732	1740	rVB	2041109	3026585	11.53%	2.797%
7	14.939	1960	1966	1972	rBV	340041	526981	2.01%	0.487%
8	16.426	2212	2219	2225	rBV	1442680	2233932	8.51%	2.064%
9	16.972	2303	2312	2317	rBV3	121547	265739	1.01%	0.246%
10	17.695	2429	2435	2438	rBV	365227	604409	2.30%	0.559%
11	17.736	2438	2442	2450	rVB	840427	1236736	4.71%	1.143%
12	17.824	2452	2457	2463	rBV	269831	423286	1.61%	0.391%
13	18.088	2494	2502	2516	rVB7	160542	537574	2.05%	0.497%
14	18.194	2516	2520	2528	rBV3	219454	407424	1.55%	0.376%
15	18.558	2577	2582	2586	rVV	458928	653561	2.49%	0.604%
16	18.605	2586	2590	2596	rVB	585984	876887	3.34%	0.810%
17	18.688	2599	2604	2608	rVB	205450	306688	1.17%	0.283%
18	18.764	2609	2617	2626	rVV3	1241896	2682829	10.22%	2.479%
19	19.046	2660	2665	2671	rBV	729309	1059301	4.03%	0.979%
20	19.116	2671	2677	2682	rBV	2008225	2925858	11.14%	2.704%
21	19.287	2699	2706	2710	rBV2	174387	314276	1.20%	0.290%
22	19.451	2729	2734	2739	rBV2	311180	494842	1.88%	0.457%
23	19.522	2739	2746	2754	rVB8	188132	548749	2.09%	0.507%
24	19.628	2754	2764	2770	rBV	744140	1328588	5.06%	1.228%
25	19.757	2774	2786	2793	rVV	15049176	26256815	100.00%	24.263%
26	19.827	2793	2798	2804	rVB3	144246	340056	1.30%	0.314%
27	19.939	2812	2817	2820	rBV	227120	367502	1.40%	0.340%
28	19.980	2820	2824	2832	rVB2	363085	695351	2.65%	0.643%
29	20.121	2833	2848	2852	rBV2	10860154	21819811	83.10%	20.163%
30	20.156	2852	2854	2859	rVB	425821	432655	1.65%	0.400%
31	20.268	2867	2873	2879	rBV2	3369153	4589335	17.48%	4.241%
32	20.409	2890	2897	2903	rVB3	589649	1266470	4.82%	1.170%
33	20.544	2912	2920	2921	rBV2	312218	566875	2.16%	0.524%
34	20.579	2922	2926	2930	rVB	1468936	1918655	7.31%	1.773%
35	20.679	2937	2943	2946	rBV	1414916	2144687	8.17%	1.982%
36	20.738	2950	2953	2956	rVV	463940	640062	2.44%	0.591%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112723\
Data File : BG059908.D
Acq On : 27 Nov 2023 19:52
Operator : MA/JU
Sample : 05466-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB21144

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-BG111623.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	20.767	2956	2958	2962	rVV	286274	383169	1.46%	0.354%
38	20.879	2972	2977	2981	rVV	265278	472975	1.80%	0.437%
39	20.920	2982	2984	2994	rVB3	266956	470807	1.79%	0.435%
40	21.367	3056	3060	3066	rVB	426801	632808	2.41%	0.585%
41	21.567	3087	3094	3098	rBV2	498045	1036263	3.95%	0.958%
42	21.614	3098	3102	3106	rVV	439341	676395	2.58%	0.625%
43	21.666	3106	3111	3115	rVV3	423158	778667	2.97%	0.720%
44	21.731	3119	3122	3132	rVB	391667	670701	2.55%	0.620%
45	21.860	3142	3144	3156	rVB3	125974	263868	1.00%	0.244%
46	22.007	3158	3169	3175	rVV	1844502	4377855	16.67%	4.045%
47	22.084	3176	3182	3194	rVB	2795021	5026330	19.14%	4.645%
48	22.236	3203	3208	3217	rVB2	302307	512000	1.95%	0.473%
49	22.471	3240	3248	3253	rBV3	136785	364851	1.39%	0.337%
50	22.906	3314	3322	3327	rVB5	188875	481028	1.83%	0.444%
51	23.552	3426	3432	3440	rVB3	196017	440166	1.68%	0.407%
52	23.817	3473	3477	3486	rVB3	134302	277718	1.06%	0.257%
53	24.446	3573	3584	3592	rBV2	698937	2626794	10.00%	2.427%
54	25.250	3713	3721	3732	rVB	312792	939650	3.58%	0.868%
55	25.421	3741	3750	3765	rBV2	349795	1164585	4.44%	1.076%

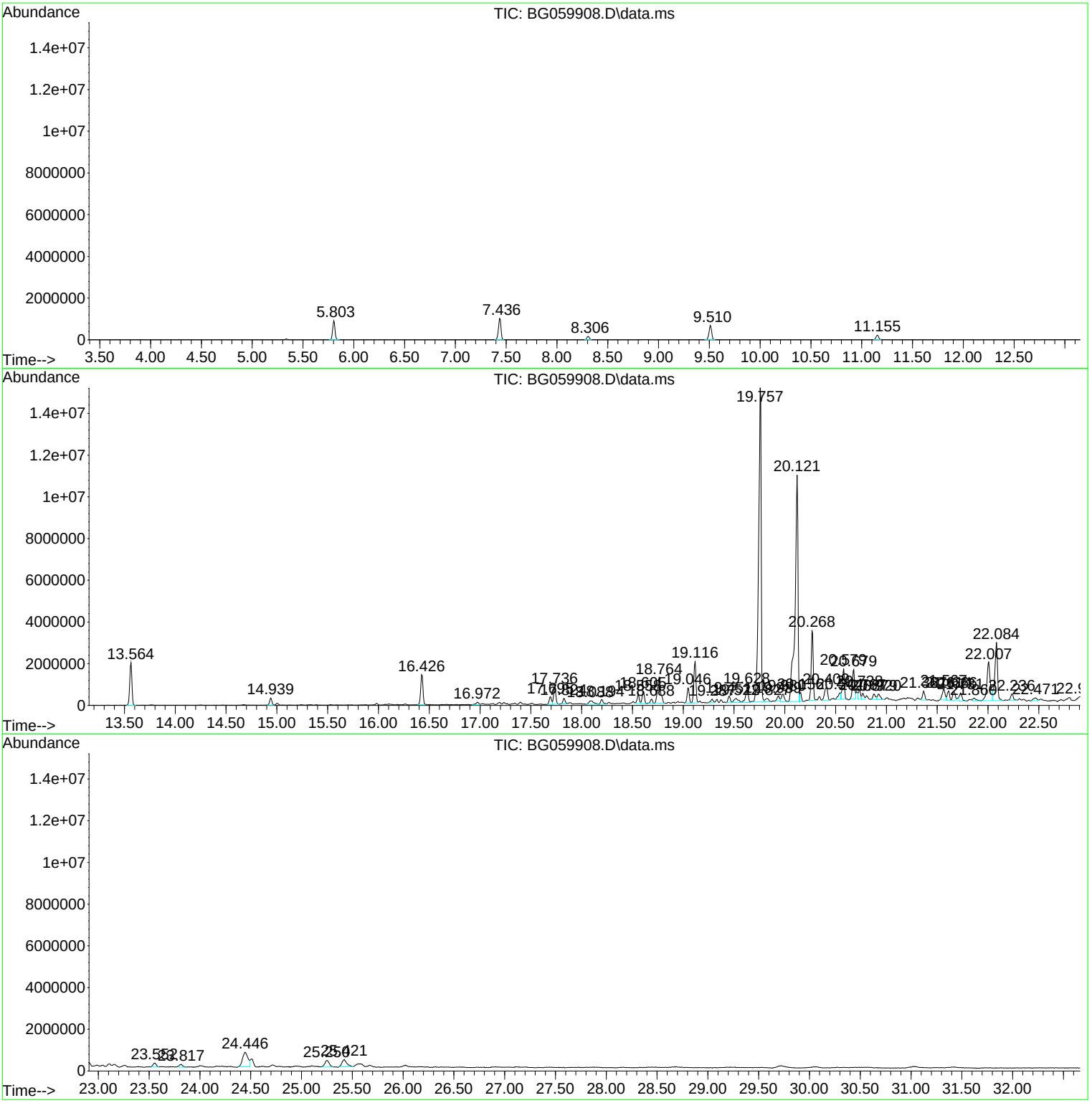
Sum of corrected areas: 108218405

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112723\
Data File : BG059908.D
Acq On : 27 Nov 2023 19:52
Operator : MA/JU
Sample : 05466-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB21144

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.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\BG112723\
Data File : BG059908.D
Acq On : 27 Nov 2023 19:52
Operator : MA/JU
Sample : 05466-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

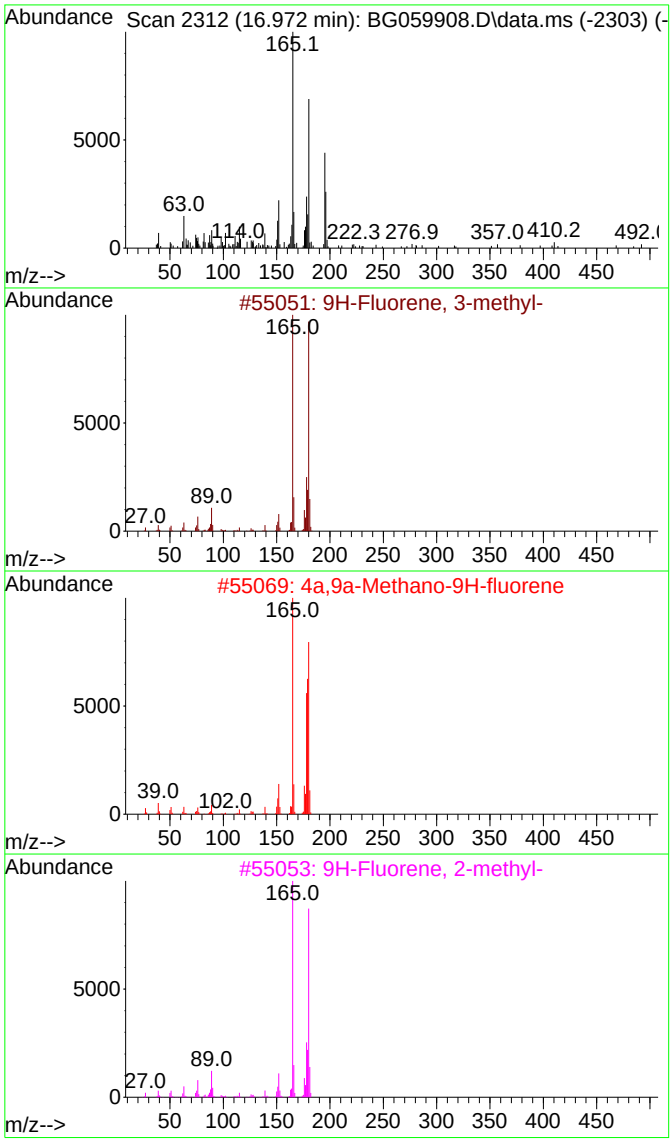
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

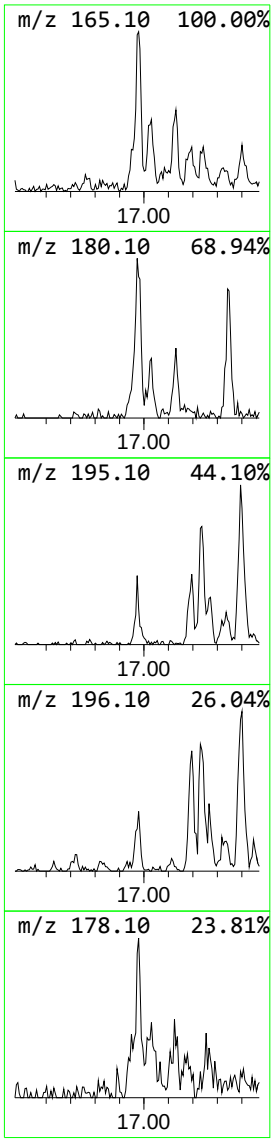
****

Peak Number 1 9H-Fluorene, 3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.972	8.79 ng	265739	Phenanthrene-d10	17.695

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	55
2	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	53
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	49
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	49
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112723\
Data File : BG059908.D
Acq On : 27 Nov 2023 19:52
Operator : MA/JU
Sample : 05466-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB21144

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

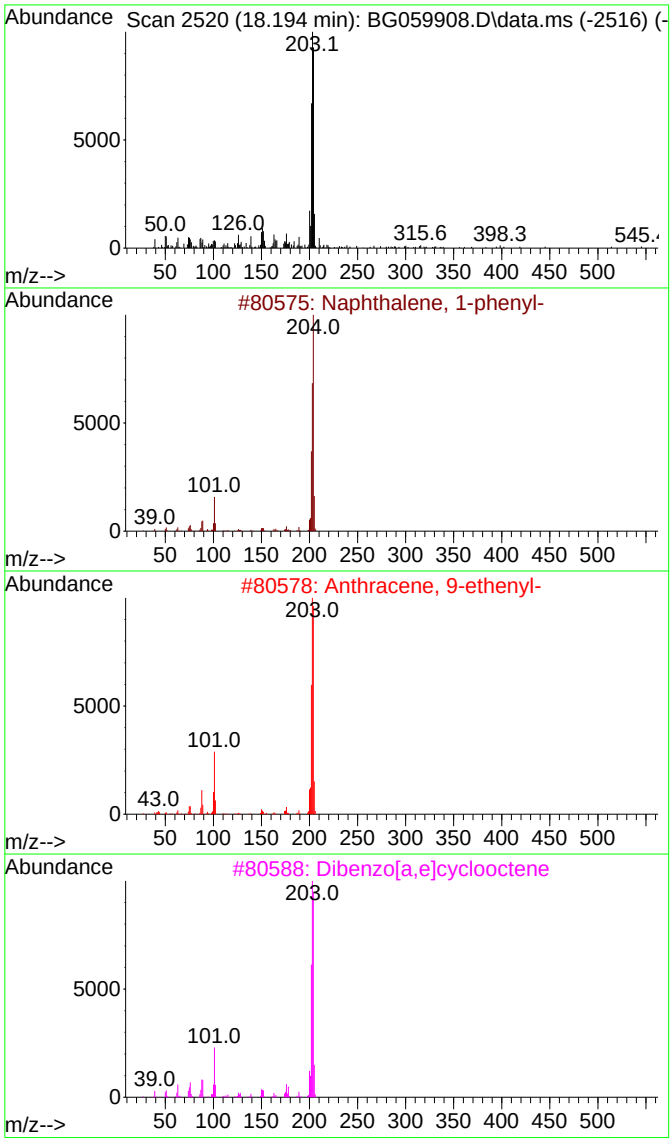
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

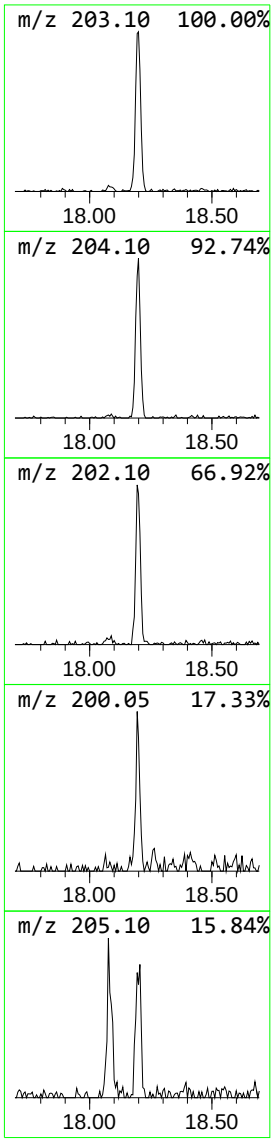
****

Peak Number 2 Naphthalene, 1-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.194	13.48 ng	407424	Phenanthrene-d10	17.695

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	68
2	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	62
3	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	62
4	Pyrene, 4,5-dihydro-	204	C16H12	006628-98-4	52
5	5-(4-Fluorophenyl)-1-methylpyraz...	204	C11H9FN2O	689250-52-0	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112723\
Data File : BG059908.D
Acq On : 27 Nov 2023 19:52
Operator : MA/JU
Sample : 05466-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB21144

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

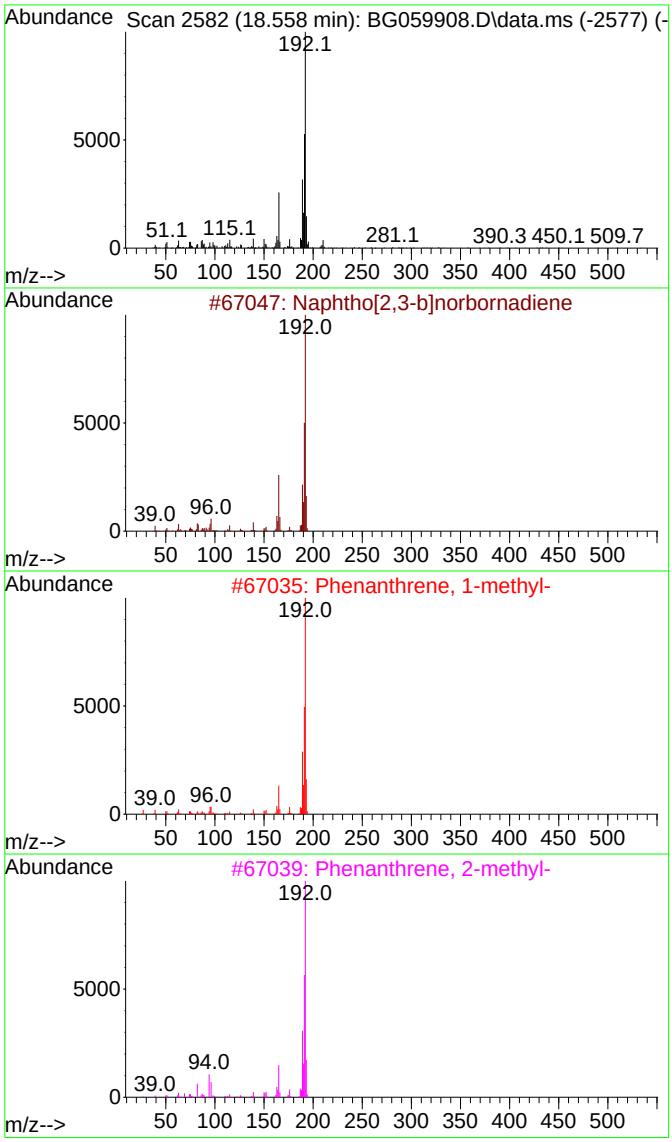
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

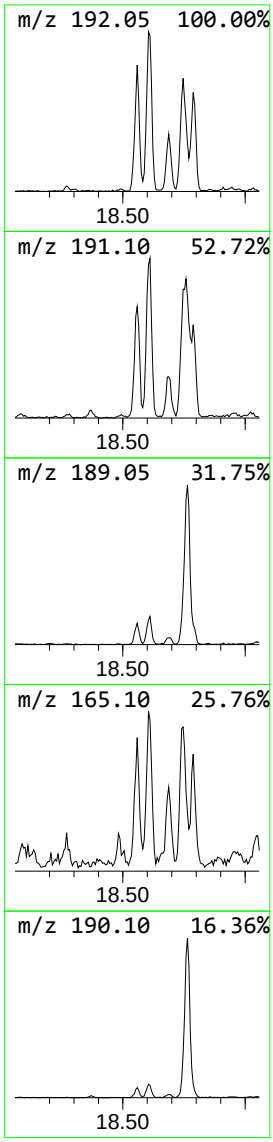
****

Peak Number 3 Naphtho[2,3-b]norbornadiene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.558	21.63 ng	653561	Phenanthrene-d10	17.695

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112723\
Data File : BG059908.D
Acq On : 27 Nov 2023 19:52
Operator : MA/JU
Sample : 05466-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB21144

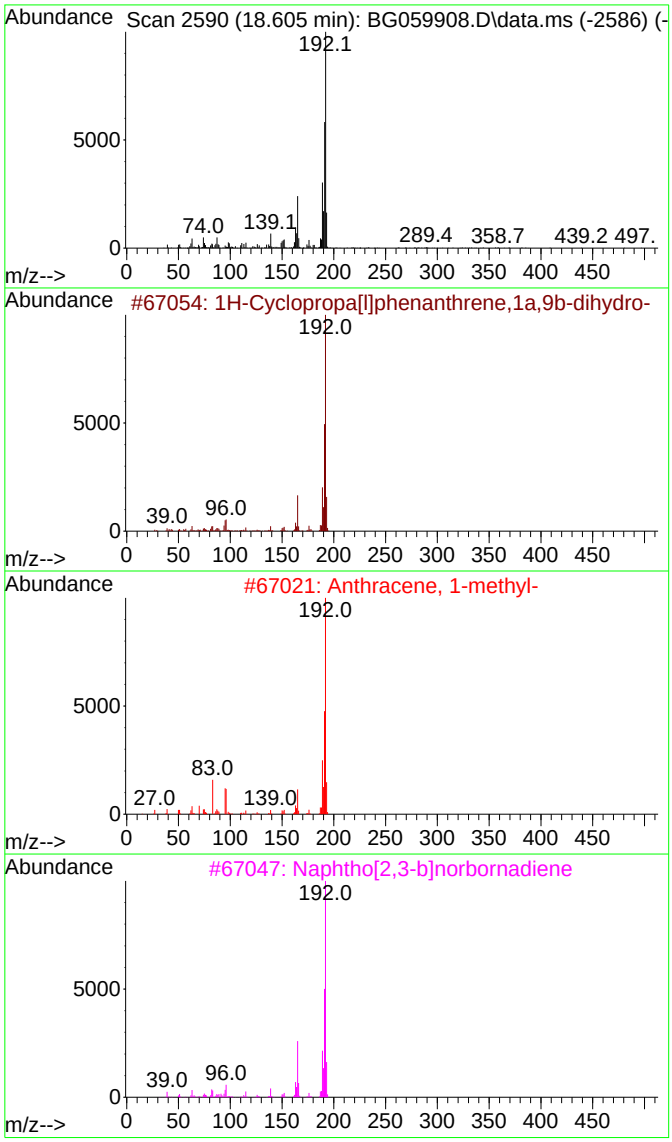
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

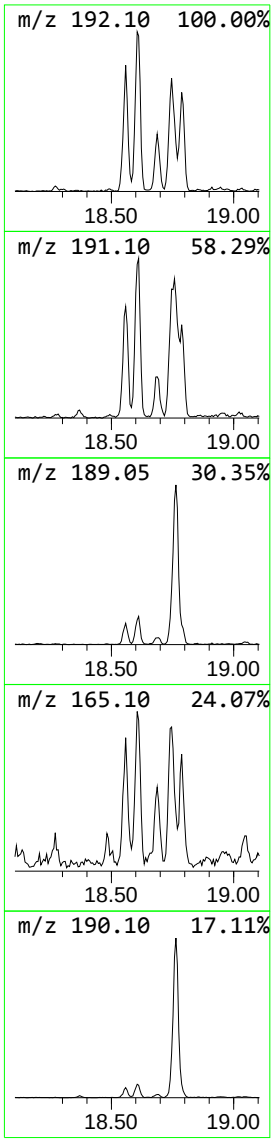
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 1H-Cyclopropa[l]phenanthren... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.605	29.02 ng	876887	Phenanthrene-d10	17.695

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	93
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112723\
Data File : BG059908.D
Acq On : 27 Nov 2023 19:52
Operator : MA/JU
Sample : 05466-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB21144

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

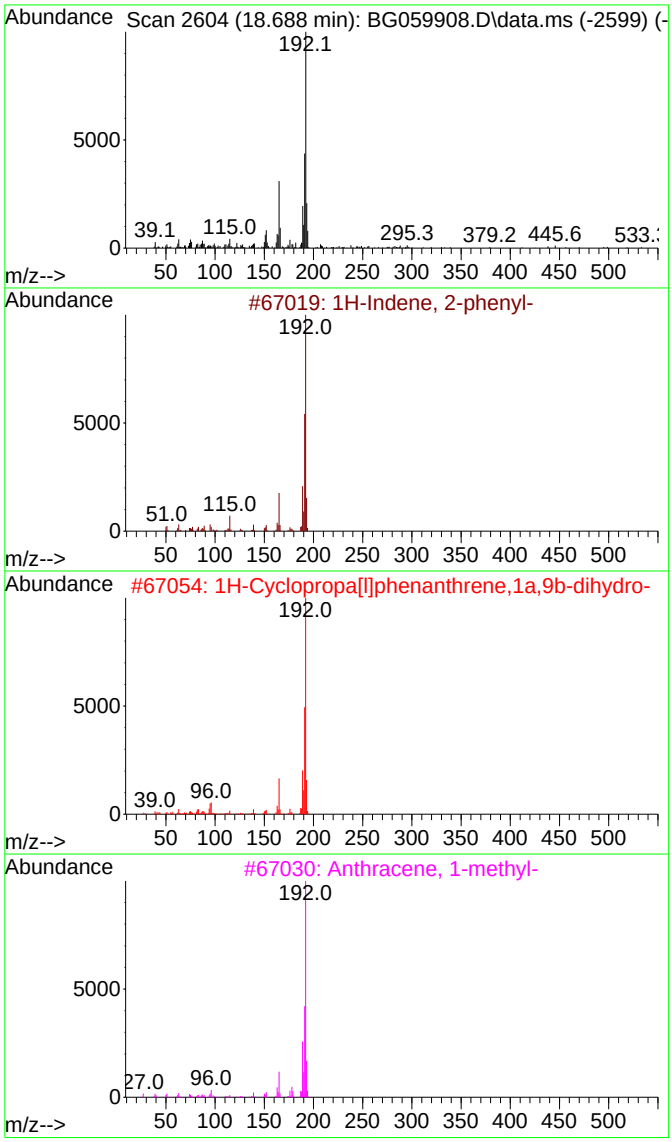
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

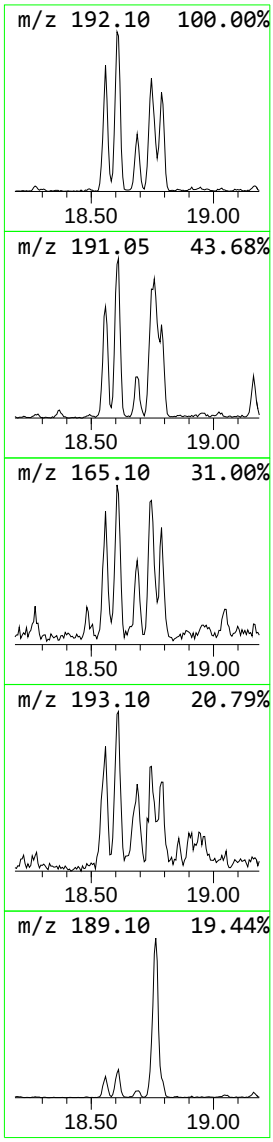
****

Peak Number 5 1H-Indene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.688	10.15 ng	306688	Phenanthrene-d10	17.695

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	74
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	74
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	74
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112723\
Data File : BG059908.D
Acq On : 27 Nov 2023 19:52
Operator : MA/JU
Sample : 05466-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB21144

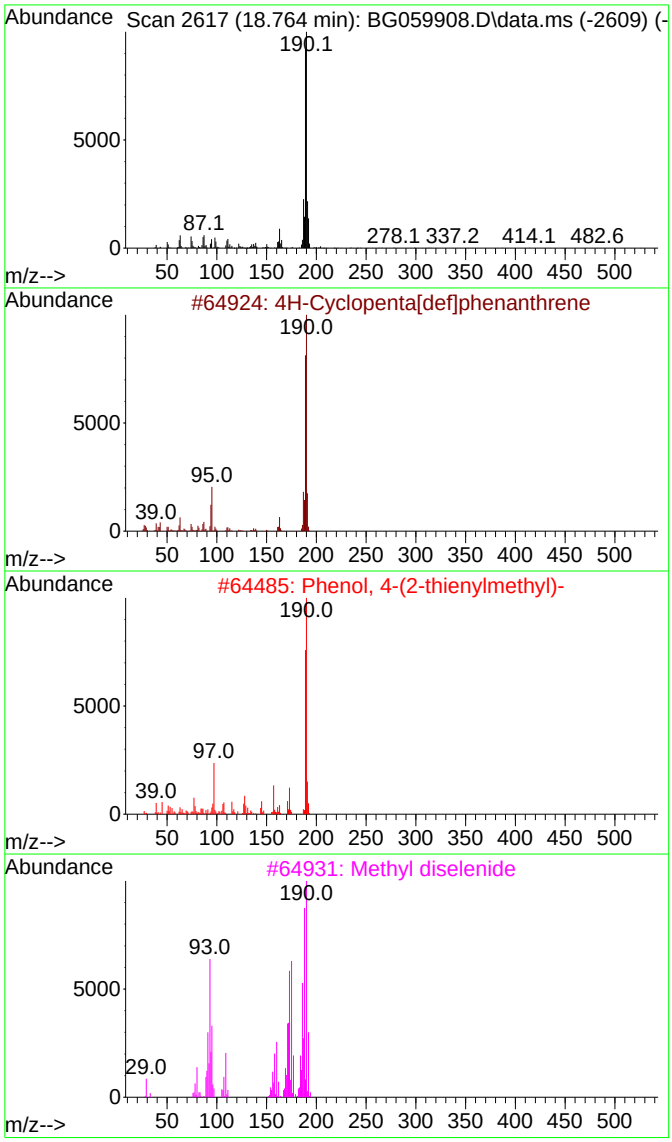
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

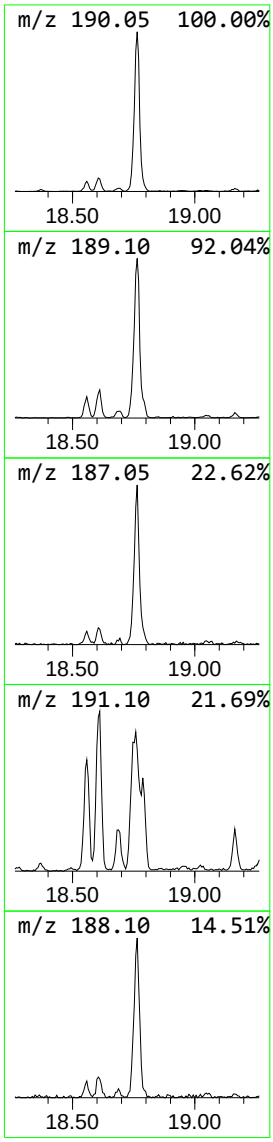
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.764	88.78 ng	2682830	Phenanthrene-d10	17.695

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	64
3	Methyl diselenide	190	C2H6Se2	007101-31-7	43
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	36
5	Cyclohexanone, 2-(2-furanylmethy...	190	C12H14O2	056053-07-7	27





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112723\
Data File : BG059908.D
Acq On : 27 Nov 2023 19:52
Operator : MA/JU
Sample : 05466-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB21144

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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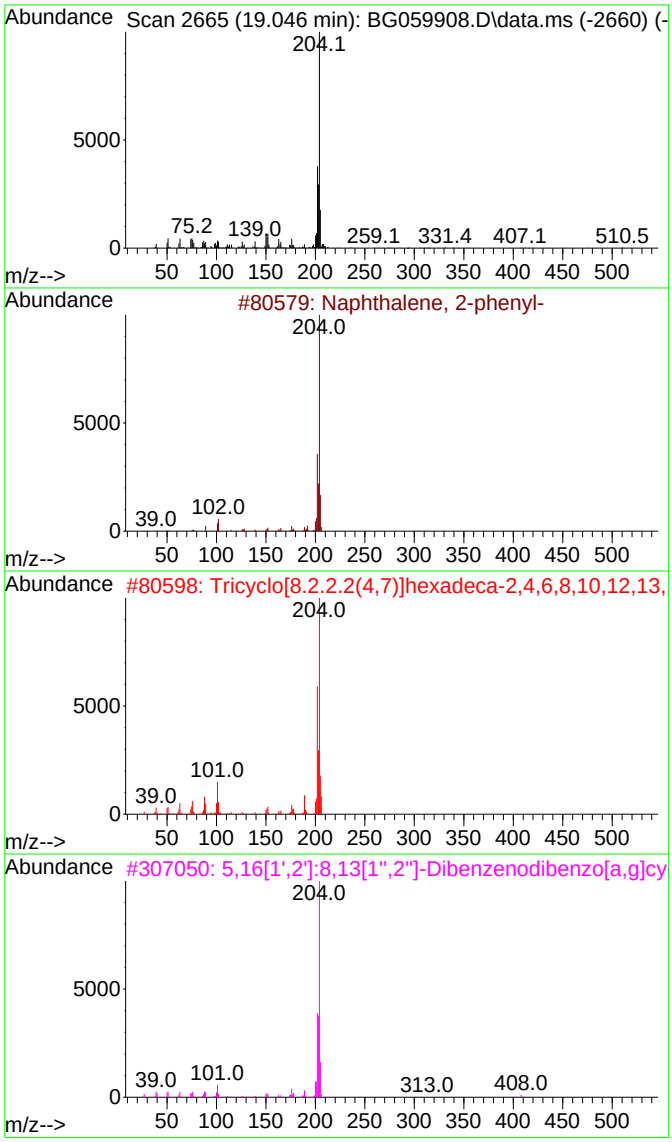
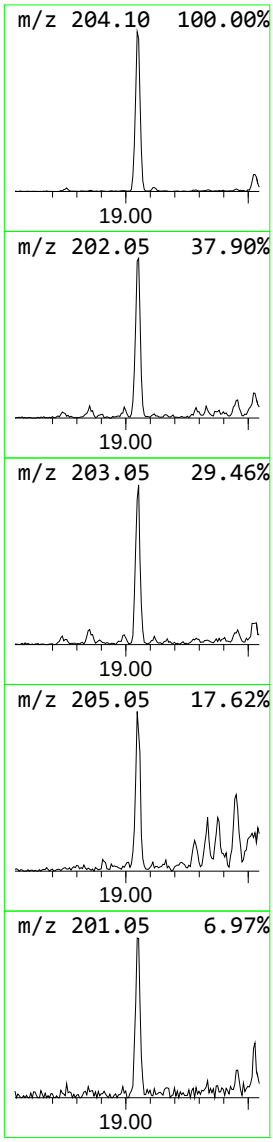
Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.046	35.05 ng	1059300	Phenanthrene-d10	17.695

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	58
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112723\
Data File : BG059908.D
Acq On : 27 Nov 2023 19:52
Operator : MA/JU
Sample : 05466-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB21144

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

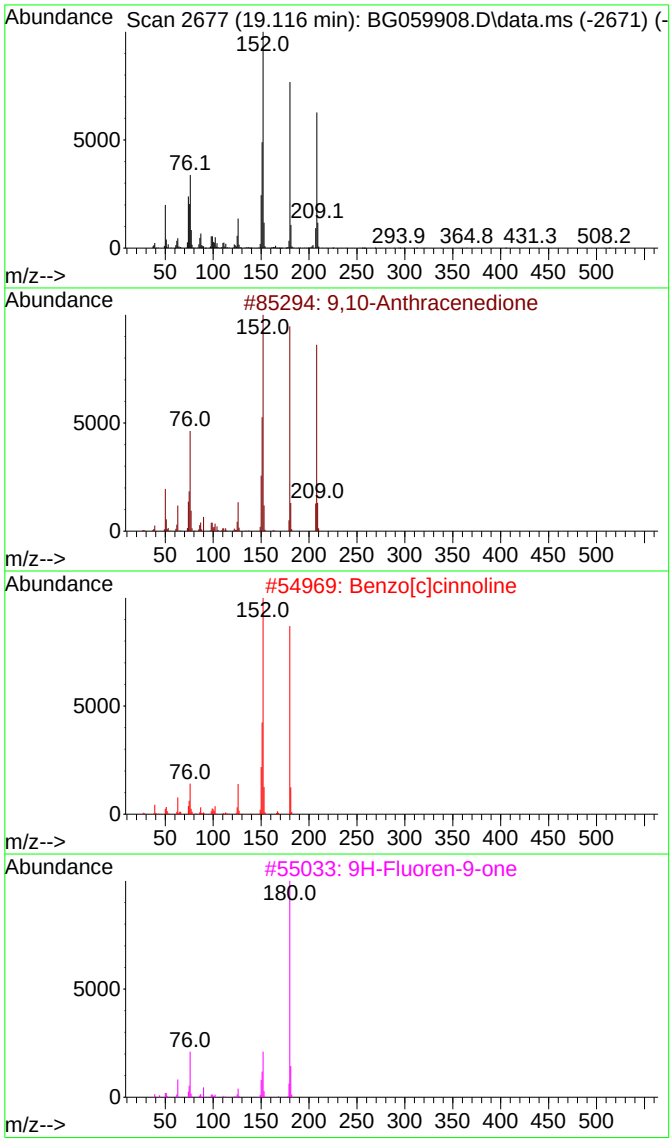
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

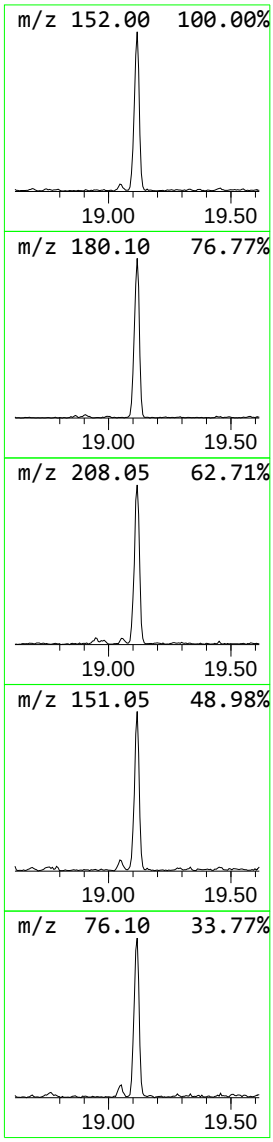
****

Peak Number 8 9,10-Anthracenedione Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.116	96.82 ng	2925860	Phenanthrene-d10	17.695

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	83
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	74





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Sample : 05466-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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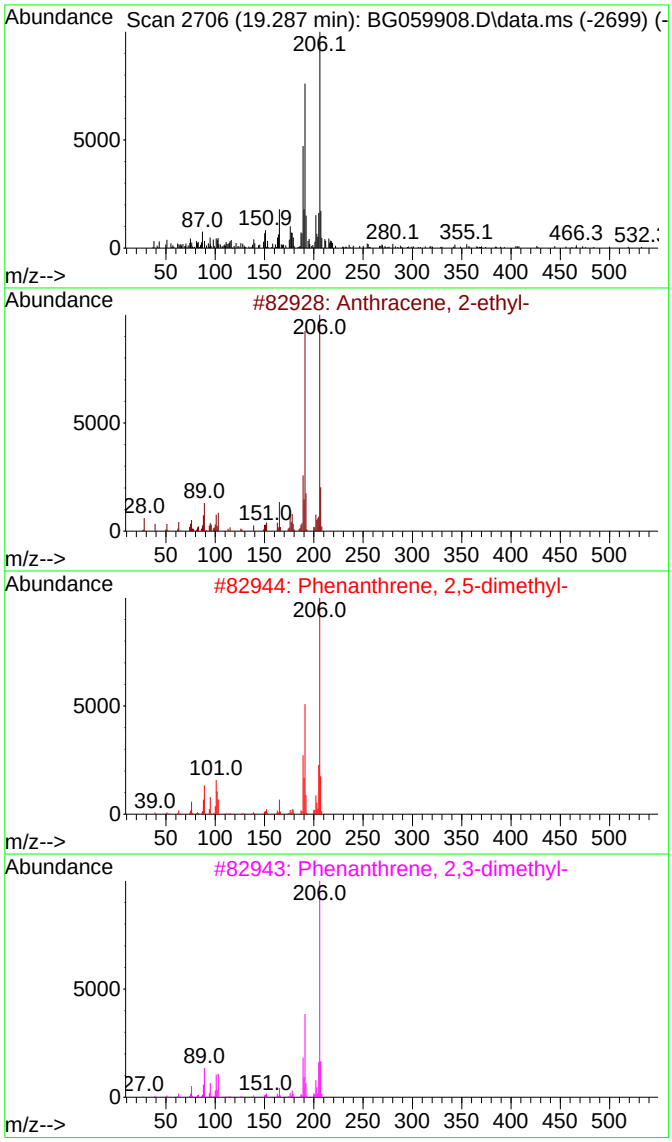
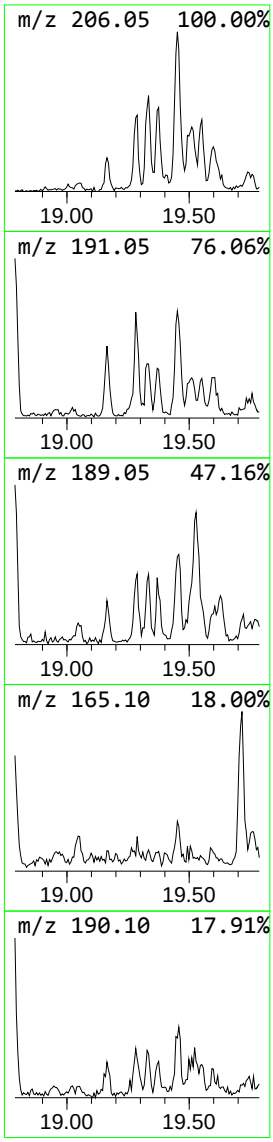
Peak Number 9 Anthracene, 2-ethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.287	10.40 ng	314276	Phenanthrene-d10	17.695

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	91
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	87
5	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	87





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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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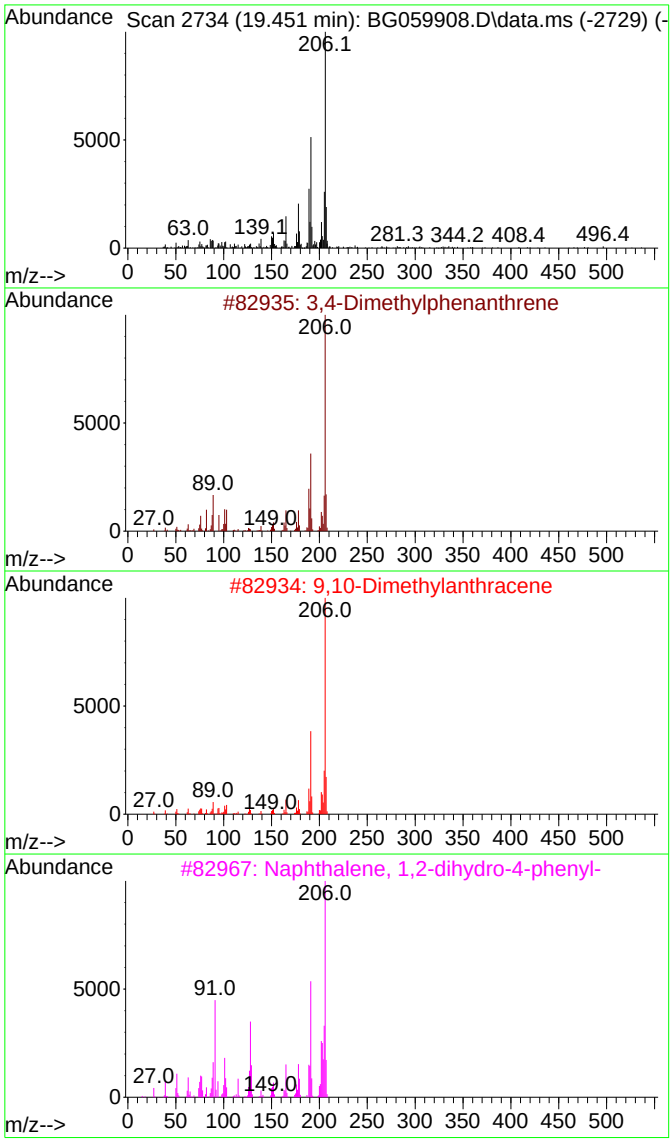
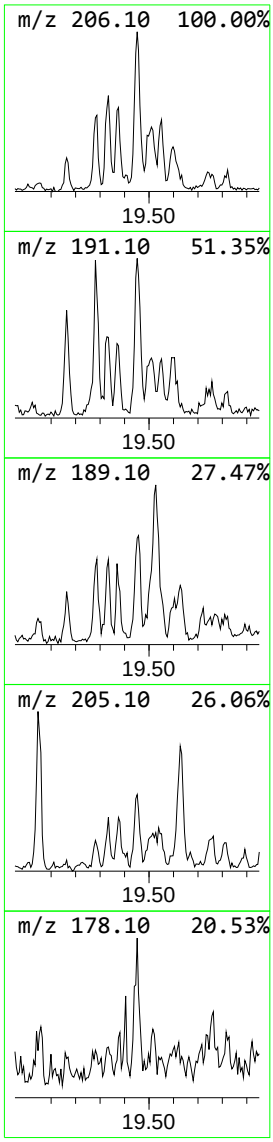
Peak Number 10 3,4-Dimethylphenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.451	16.37 ng	494842	Phenanthrene-d10	17.695

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	87
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	87
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	83
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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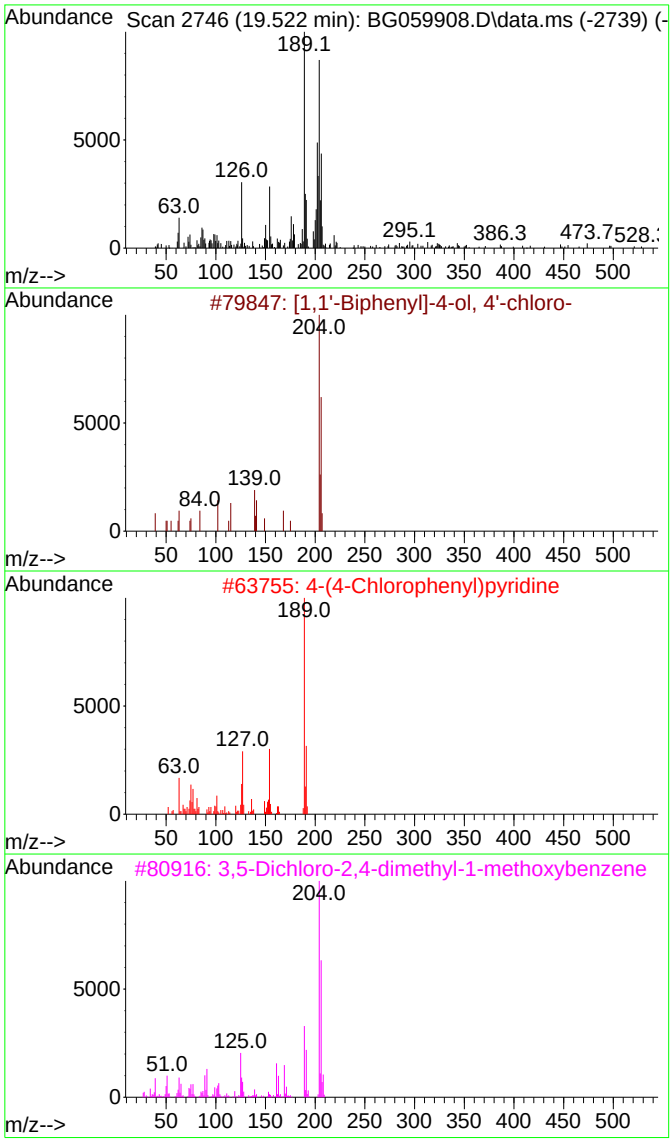
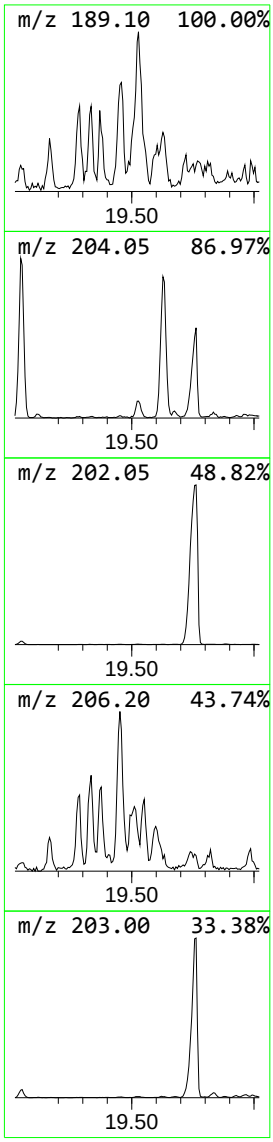
Peak Number 11 unknown19.522 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.522	18.16 ng	548749	Phenanthrene-d10	17.695

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	38
2	4-(4-Chlorophenyl)pyridine	189	C11H8ClN	005957-96-0	38
3	3,5-Dichloro-2,4-dimethyl-1-meth...	204	C9H10Cl2O	1010250-17-8	35
4	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	27
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	27





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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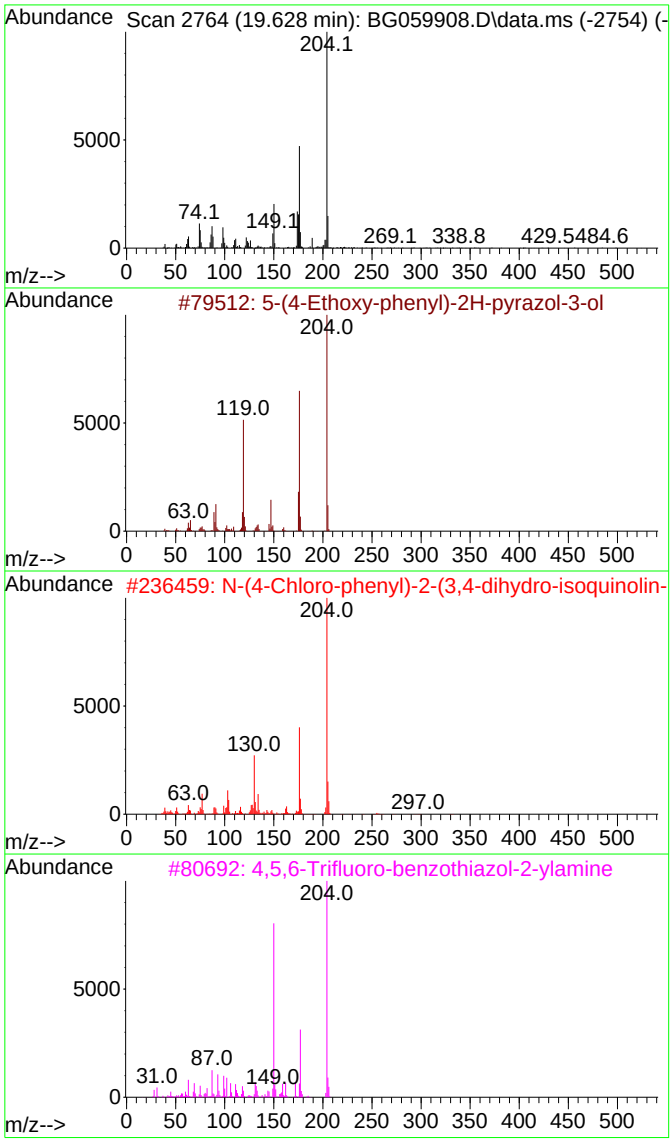
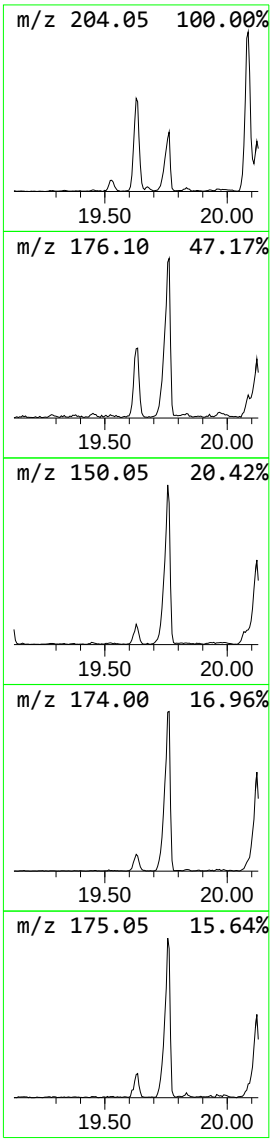
Peak Number 12 5-(4-Ethoxy-phenyl)-2H-pyra... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.628	43.96 ng	1328590	Phenanthrene-d10	17.695

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	53
2	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1010296-34-3	53
3	4,5,6-Trifluoro-benzothiazol-2-y...	204	C7H3F3N2S	328037-32-7	47
4	[1,2,4]Triazolo[5,1-b]quinazolin...	204	C10H12N4O	1000337-56-5	40
5	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	38





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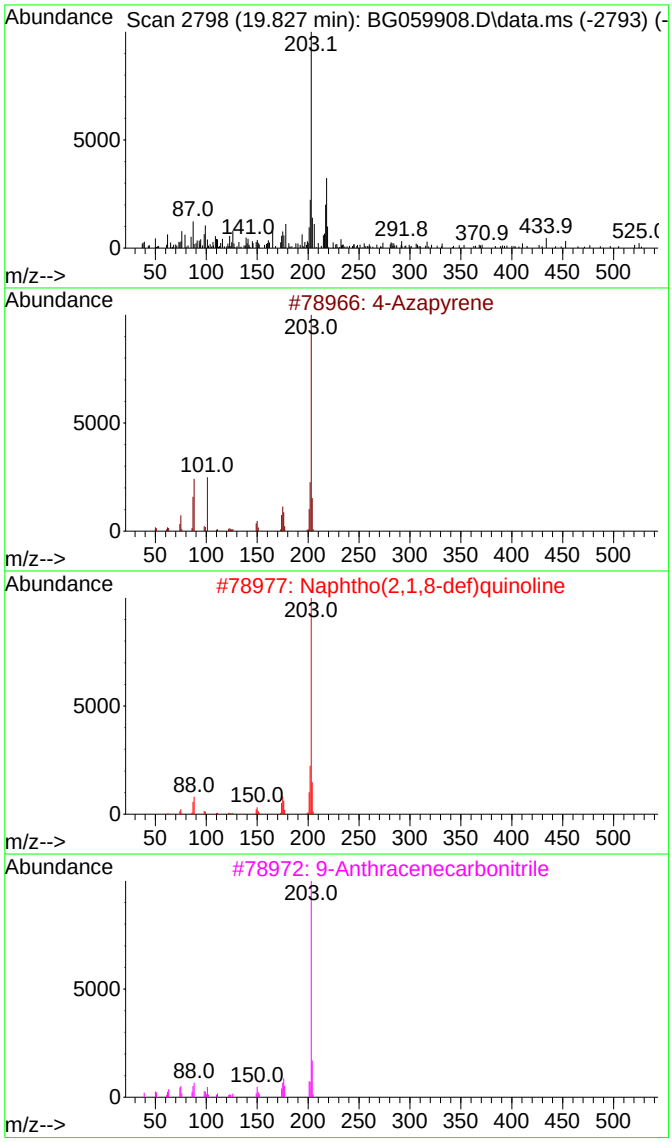
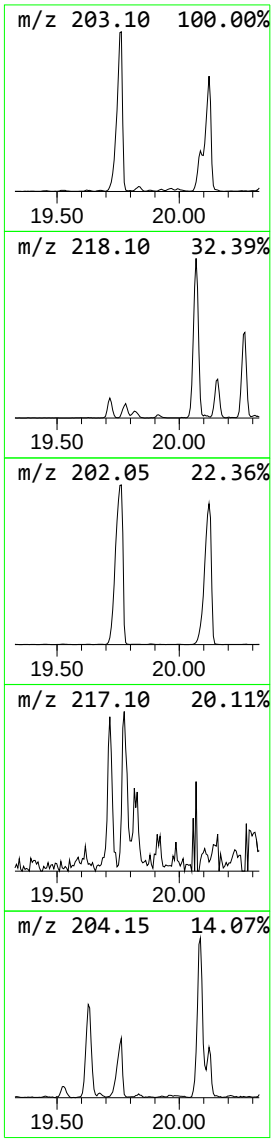
Peak Number 13 4-Azapyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.827	11.25 ng	340056	Phenanthrene-d10	17.695

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Azapyrene	203	C15H9N	000194-03-6	78
2	Naphtho(2,1,8-def)quinoline	203	C15H9N	000313-80-4	60
3	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	50
4	4,4-Dimethyl-5-methylene-2-pheny...	218	C12H14N2S	037120-32-4	47
5	3-(5-Methyl-1,2,4-oxadiazol-3-yl...	218	C8H6N6O2	1000444-80-2	47





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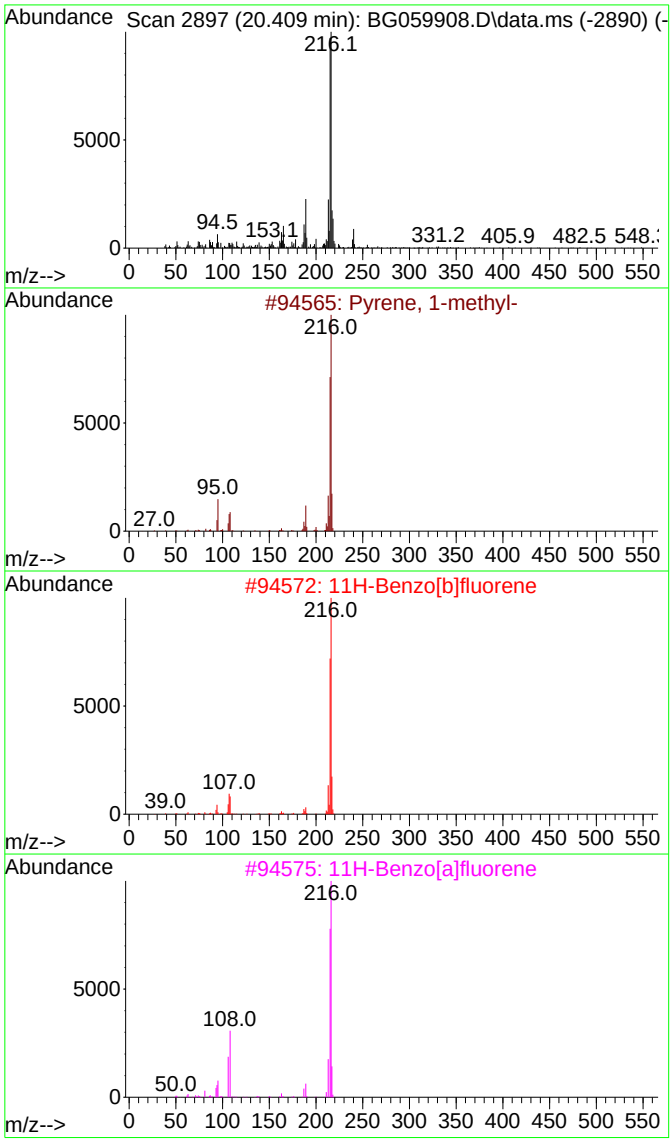
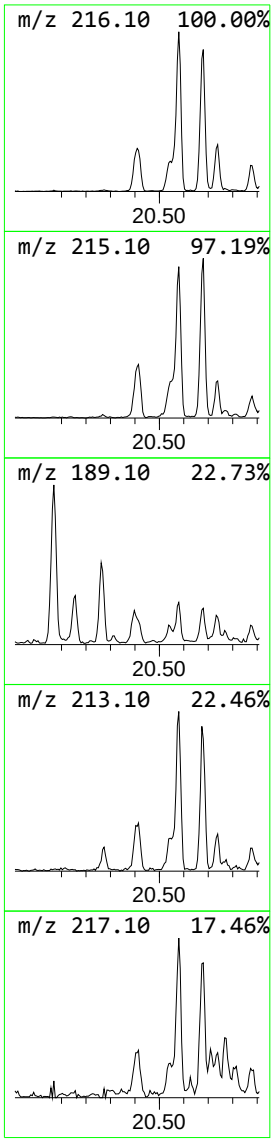
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.409	5.79 ng	1266470	Chrysene-d12	22.031

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	68
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	59





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Misc :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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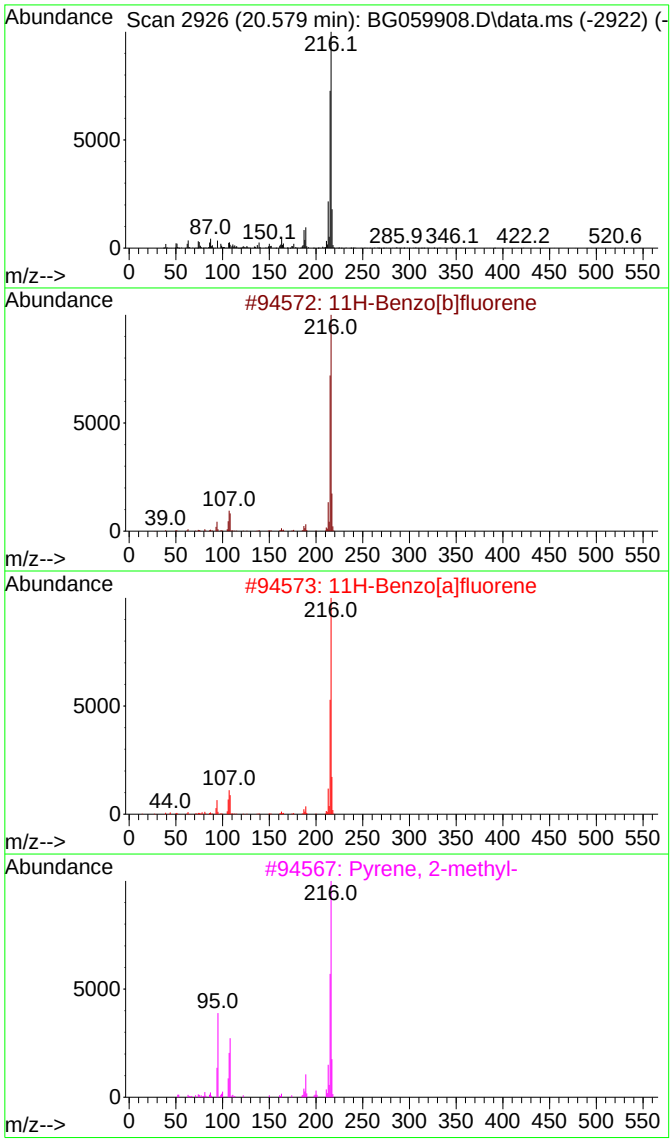
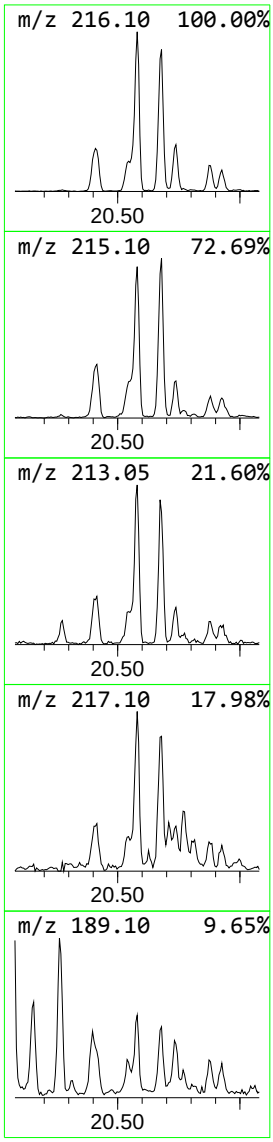
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.579	8.77 ng	1918660	Chrysene-d12	22.031

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





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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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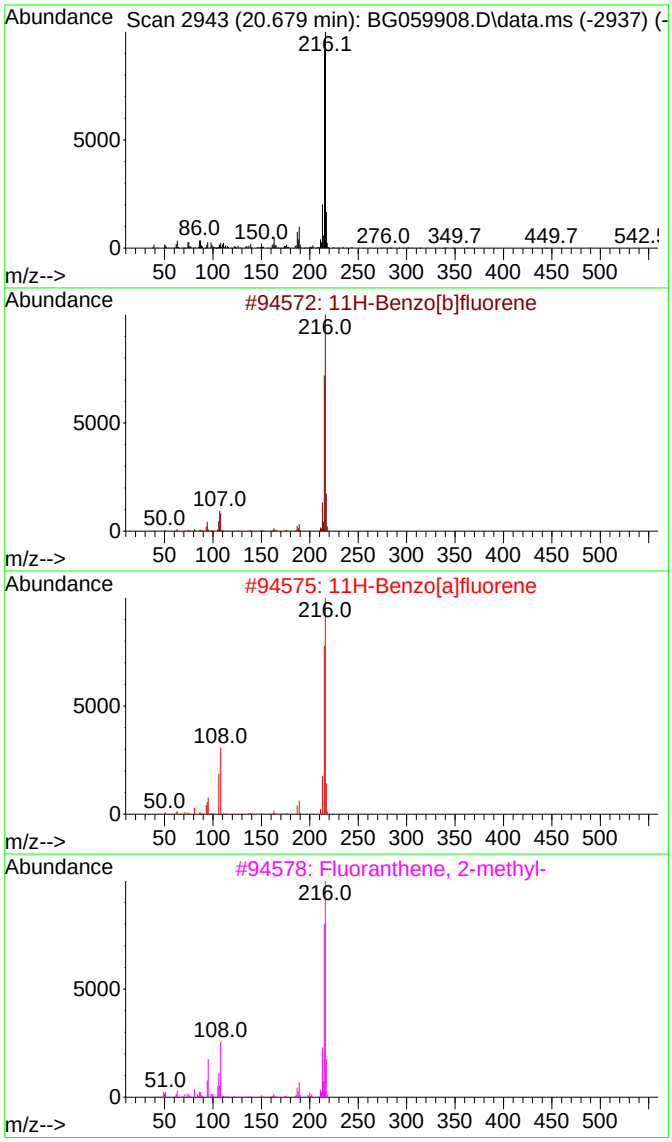
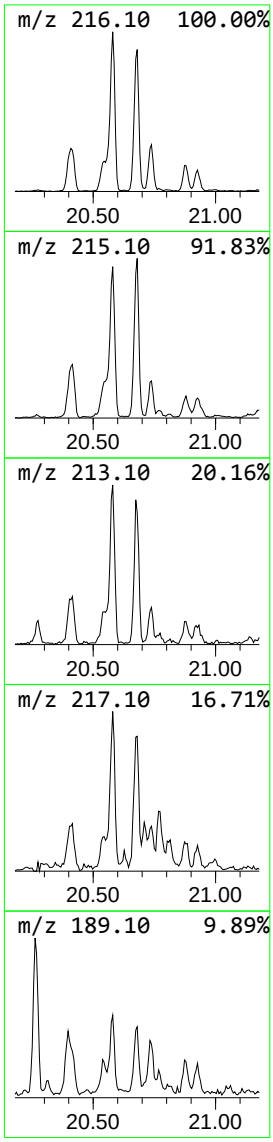
Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.679	9.80 ng	2144690	Chrysene-d12	22.031

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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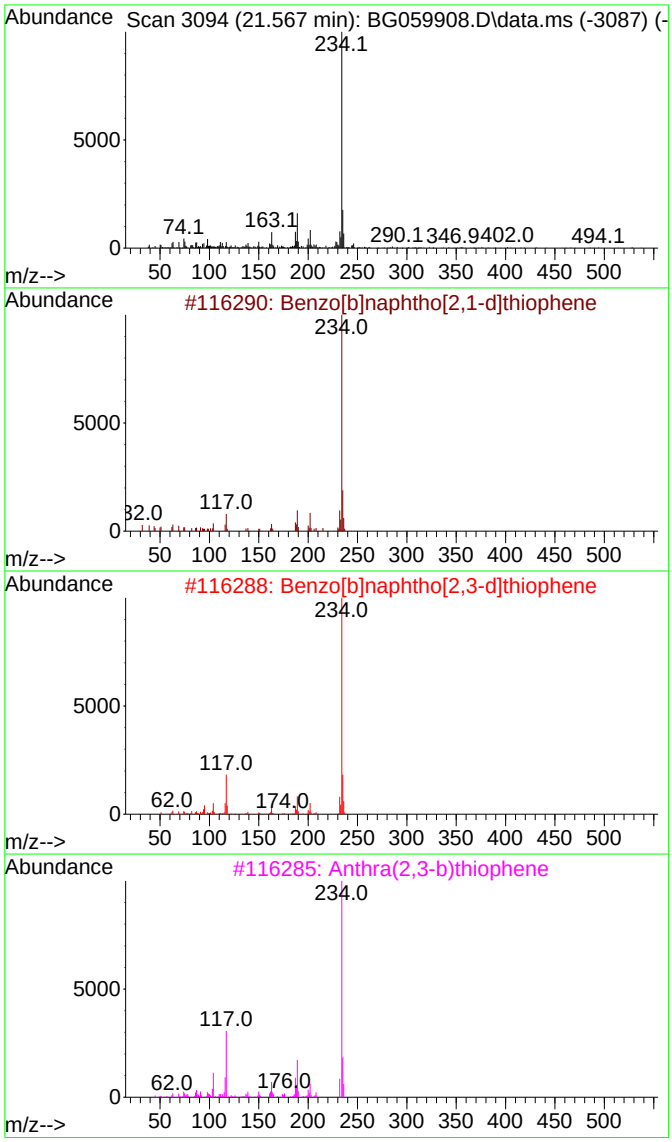
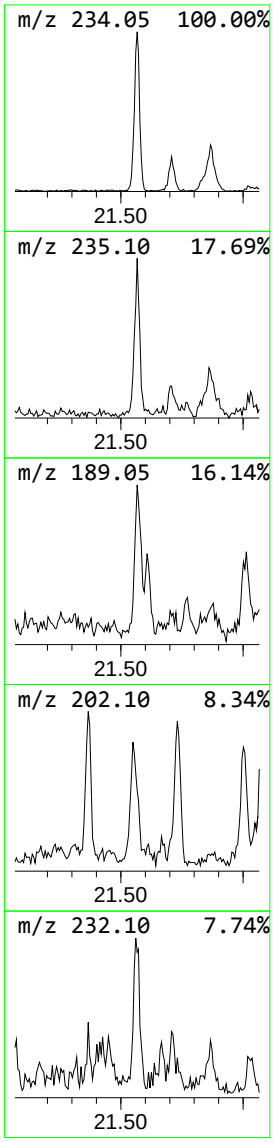
Peak Number 17 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.567	4.73 ng	1036260	Chrysene-d12	22.031

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
3	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	80
4	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	72
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	72





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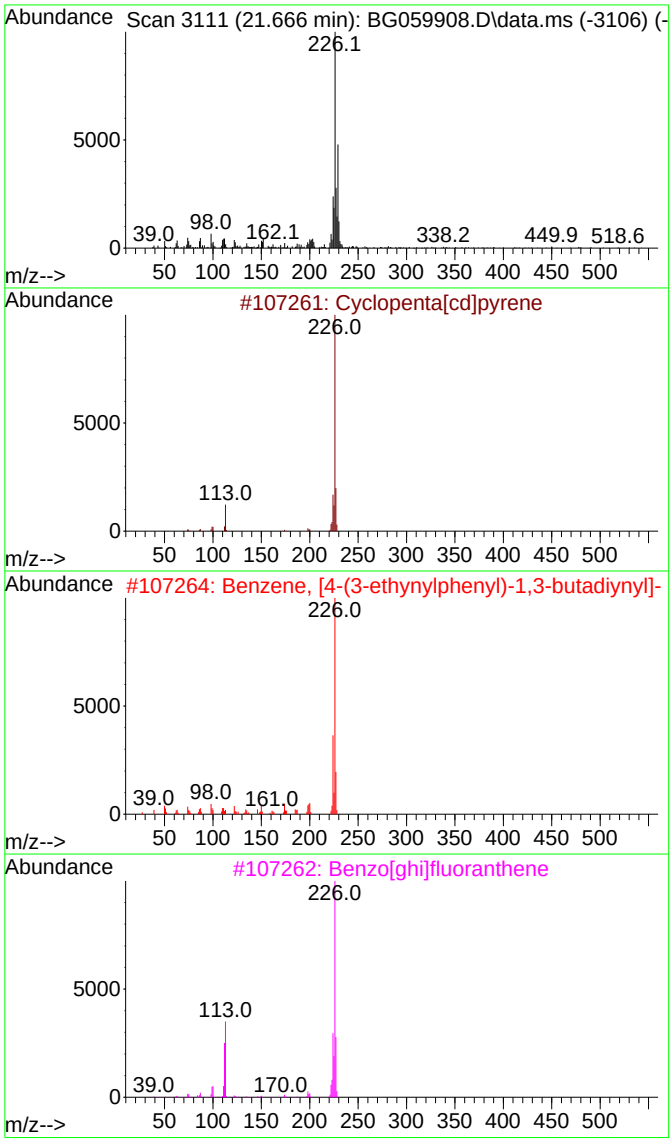
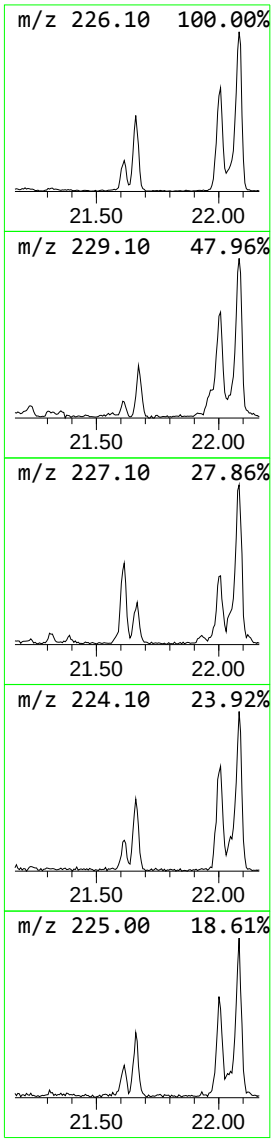
Peak Number 18 unknown21.666 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.666	3.56 ng	778667	Chrysene-d12	22.031

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	46
2	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	43
3	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	43
4	Pentanedioic acid, 1-(6-bromo-9-...	625	C35H48BrNO4	049646-95-9	32
5	4-Heptenamide, 6-(benzyloxymetho...	363	C20H33NO3Si	1000196-23-6	25





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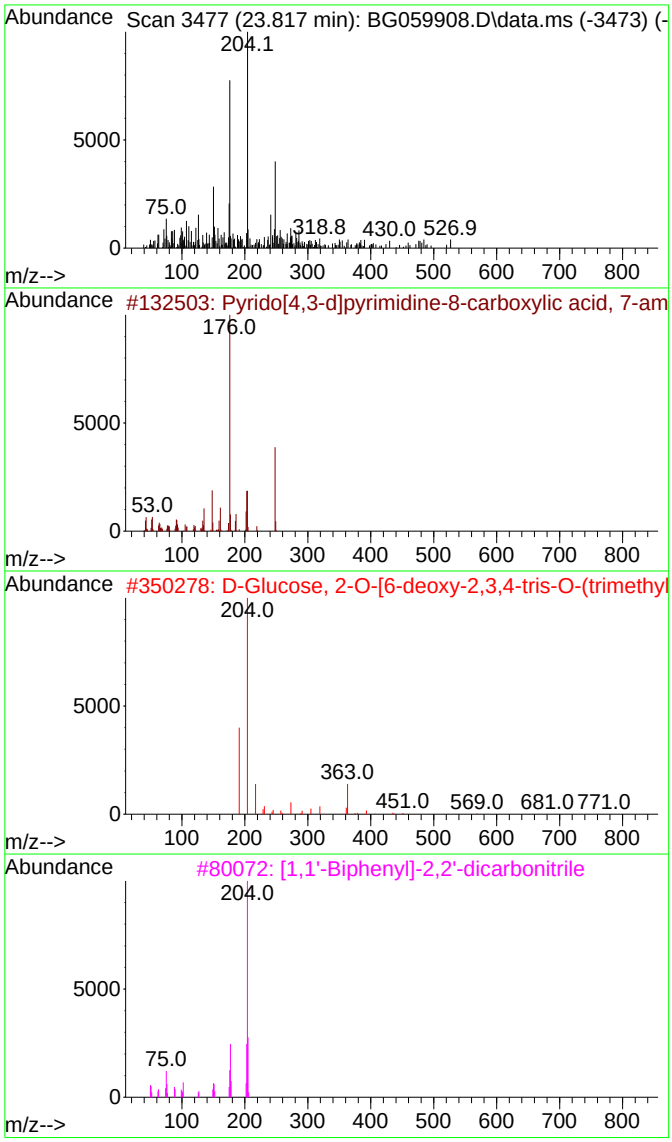
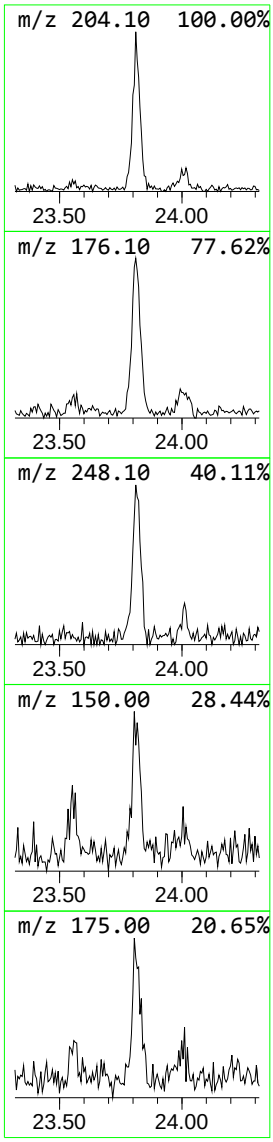
Peak Number 19 unknown23.817 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.817	4.77 ng	277718	Perylene-d12	25.597

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrido[4,3-d]pyrimidine-8-carbox...	248	C11H12N4O3	1000350-96-4	43
2	D-Glucose, 2-O-[6-deoxy-2,3,4-tr...	830	C33H78O10Si7	056784-14-6	38
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	27
4	Trifluoromethylbenzene, 3,4-diam...	176	C7H7F3N2	000368-71-8	25
5	1H-1,3-Benzimidazole, 5-methoxy-...	261	C14H19N3O2	1000350-29-4	22





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Data File : BG059908.D
Acq On : 27 Nov 2023 19:52
Operator : MA/JU
Sample : 05466-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB21144

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

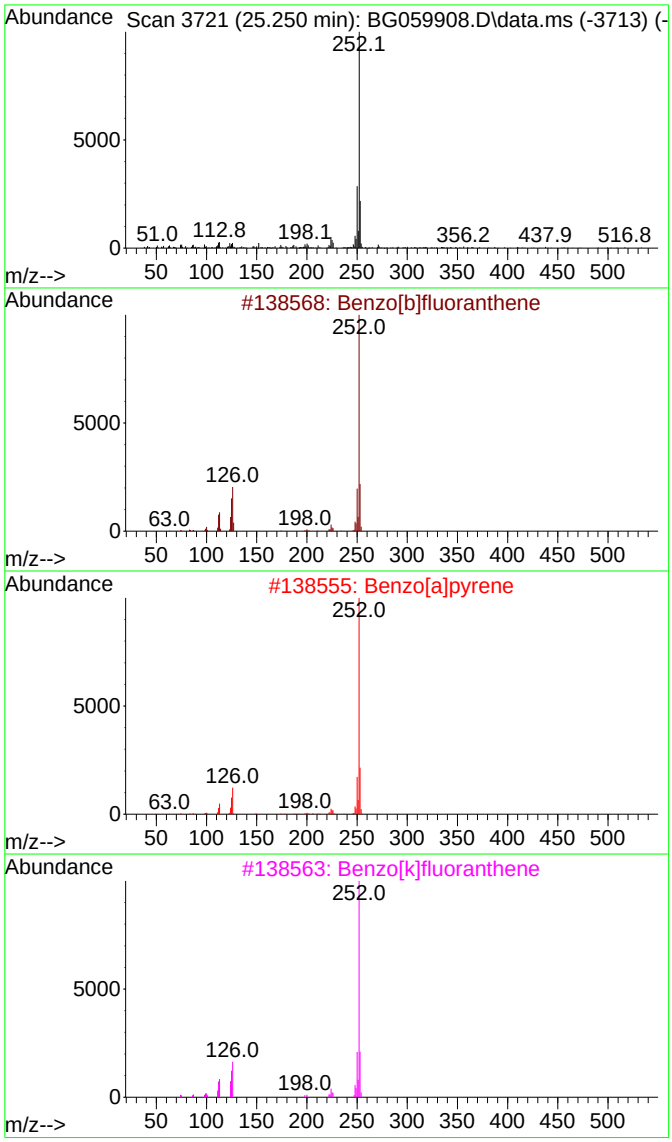
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

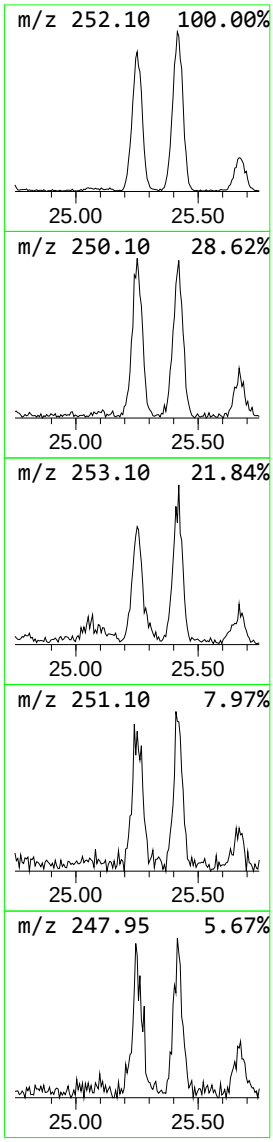
****

Peak Number 20 Perylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.250	16.14 ng	939650	Perylene-d12	25.597

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]fluoranthene	252	C20H12	000205-99-2	81
2	Benzo[a]pyrene	252	C20H12	000050-32-8	81
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	76
4	Perylene	252	C20H12	000198-55-0	74
5	Benzo[e]pyrene	252	C20H12	000192-97-2	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112723\
Data File : BG059908.D
Acq On : 27 Nov 2023 19:52
Operator : MA/JU
Sample : 05466-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RB21144

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.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
9H-Fluorene, 3-...	16.972	8.8	ng	265739	4	17.695	604409	20.0
Naphthalene, 1-...	18.194	13.5	ng	407424	4	17.695	604409	20.0
Naphtho[2,3-b]n...	18.558	21.6	ng	653561	4	17.695	604409	20.0
1H-Cyclopropa[l...	18.605	29.0	ng	876887	4	17.695	604409	20.0
1H-Indene, 2-ph...	18.688	10.2	ng	306688	4	17.695	604409	20.0
4H-Cyclopenta[d...	18.764	88.8	ng	2682830	4	17.695	604409	20.0
Naphthalene, 2-...	19.046	35.0	ng	1059300	4	17.695	604409	20.0
9,10-Anthracene...	19.116	96.8	ng	2925860	4	17.695	604409	20.0
Anthracene, 2-e...	19.287	10.4	ng	314276	4	17.695	604409	20.0
3,4-Dimethylphe...	19.451	16.4	ng	494842	4	17.695	604409	20.0
unknown19.522	19.522	18.2	ng	548749	4	17.695	604409	20.0
5-(4-Ethoxy-phe...	19.628	44.0	ng	1328590	4	17.695	604409	20.0
4-Azapyrene	19.827	11.3	ng	340056	4	17.695	604409	20.0
Pyrene, 1-methyl-	20.409	5.8	ng	1266470	5	22.031	4377860	20.0
11H-Benzo[b]flu...	20.579	8.8	ng	1918660	5	22.031	4377860	20.0
11H-Benzo[a]flu...	20.679	9.8	ng	2144690	5	22.031	4377860	20.0
Benzo[b]naphtho...	21.567	4.7	ng	1036260	5	22.031	4377860	20.0
unknown21.666	21.666	3.6	ng	778667	5	22.031	4377860	20.0
unknown23.817	23.817	4.8	ng	277718	6	25.597	1164590	20.0
Perylene	25.250	16.1	ng	939650	6	25.597	1164590	20.0