LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082923\
Data File : BG058896.D
Acq On : 29 Aug 2023 20:51
Operator : MA/JU
Sample : 04188-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : WC-7

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-BG081823.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG058896.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.371	381	388	404	rBV	260693	454971	59.11%	5.672%
2	6.969	653	660	676	rBV	283608	511020	66.39%	6.371%
3	7.791	794	800	808	rBV	80668	131708	17.11%	1.642%
4	8.955	991	998	1010	rBV	163239	308506	40.08%	3.846%
5	10.594	1270	1277	1284	rBV	102737	185269	24.07%	2.310%
6	13.062	1690	1697	1710	rBV	406634	628505	81.66%	7.835%
7	14.166	1881	1885	1894	rBV3	4776	8284	1.08%	0.103%
8	14.442	1925	1932	1939	rBV	156726	238147	30.94%	2.969%
9	14.507	1939	1943	1949	rVB	12032	16756	2.18%	0.209%
10	14.848	1993	2001	2007	rBV3	5422	9500	1.23%	0.118%
11	15.494	2104	2111	2118	rBV	16735	28032	3.64%	0.349%
12	15.935	2180	2186	2198	rBV	369974	573572	74.52%	7.151%
13	16.499	2274	2282	2286	rVB7	5222	10195	1.32%	0.127%
14	16.845	2335	2341	2346	rVB3	9419	14045	1.82%	0.175%
15	17.010	2362	2369	2377	rVB	14123	22556	2.93%	0.281%
16	17.192	2393	2400	2403	rBV	183161	281381	36.56%	3.508%
17	17.233	2403	2407	2415	rVV	244982	343938	44.69%	4.288%
18	17.321	2417	2422	2427	rVV	40430	59633	7.75%	0.743%
19	17.392	2427	2434	2437	rVB6	5240	10552	1.37%	0.132%
20	17.597	2460	2469	2477	rBV2	17909	37068	4.82%	0.462%
21	17.703	2484	2487	2492	rBV2	8889	9253	1.20%	0.115%
22	17.768	2494	2498	2505	rVB5	7410	13767	1.79%	0.172%
23	17.915	2519	2523	2528	rVB4	4143	8577	1.11%	0.107%
24	18.073	2542	2550	2554	rBV2	75758	133306	17.32%	1.662%
25	18.114	2554	2557	2563	rVV	51531	73333	9.53%	0.914%
26	18.197	2565	2571	2576	rVV	11746	17789	2.31%	0.222%
27	18.261	2576	2582	2586	rBV2	55989	103652	13.47%	1.292%
28	18.297	2586	2588	2595	rVB	25848	31184	4.05%	0.389%
29	18.373	2597	2601	2605	rBV6	4976	8746	1.14%	0.109%
30	18.461	2612	2616	2619	rBV6	6349	8284	1.08%	0.103%
31	18.567	2630	2634	2637	rBV	26088	33392	4.34%	0.416%
32	18.614	2639	2642	2648	rVB	27494	39215	5.09%	0.489%
33	18.867	2681	2685	2687	rBV	10499	12355	1.61%	0.154%
34	18.902	2689	2691	2696	rVB3	11969	11507	1.50%	0.143%
35	18.984	2701	2705	2709	rBV	22066	33456	4.35%	0.417%
36	19.131	2725	2730	2735	rBV3	25215	51643	6.71%	0.644%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082923\
Data File : BG058896.D
Acq On : 29 Aug 2023 20:51
Operator : MA/JU
Sample : 04188-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-7

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-BG081823.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	19.248	2744	2750	2757	rBV	448278	650564	84.52%	8.110%
38	19.354	2764	2768	2772	rBV6	19050	30441	3.95%	0.380%
39	19.489	2788	2791	2796	rBV2	14434	24394	3.17%	0.304%
40	19.583	2802	2807	2808	rBV	65361	92023	11.96%	1.147%
41	19.613	2808	2812	2821	rVB	356634	530694	68.95%	6.616%
42	19.677	2821	2823	2829	rBV3	24300	36785	4.78%	0.459%
43	19.812	2840	2846	2850	rBV	581016	769686	100.00%	9.596%
44	19.942	2862	2868	2874	rBV5	31578	83225	10.81%	1.038%
45	20.106	2886	2896	2901	rBV	69342	143112	18.59%	1.784%
46	20.206	2910	2913	2916	rVB	36912	41522	5.39%	0.518%
47	21.076	3058	3061	3065	rBV3	41847	56021	7.28%	0.698%
48	21.428	3114	3121	3126	rBV3	225511	584511	75.94%	7.287%
49	21.475	3126	3129	3138	rVB	165558	267794	34.79%	3.339%
50	23.526	3473	3478	3485	rBV	81656	247437	32.15%	3.085%

Sum of corrected areas: 8021306

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082923\
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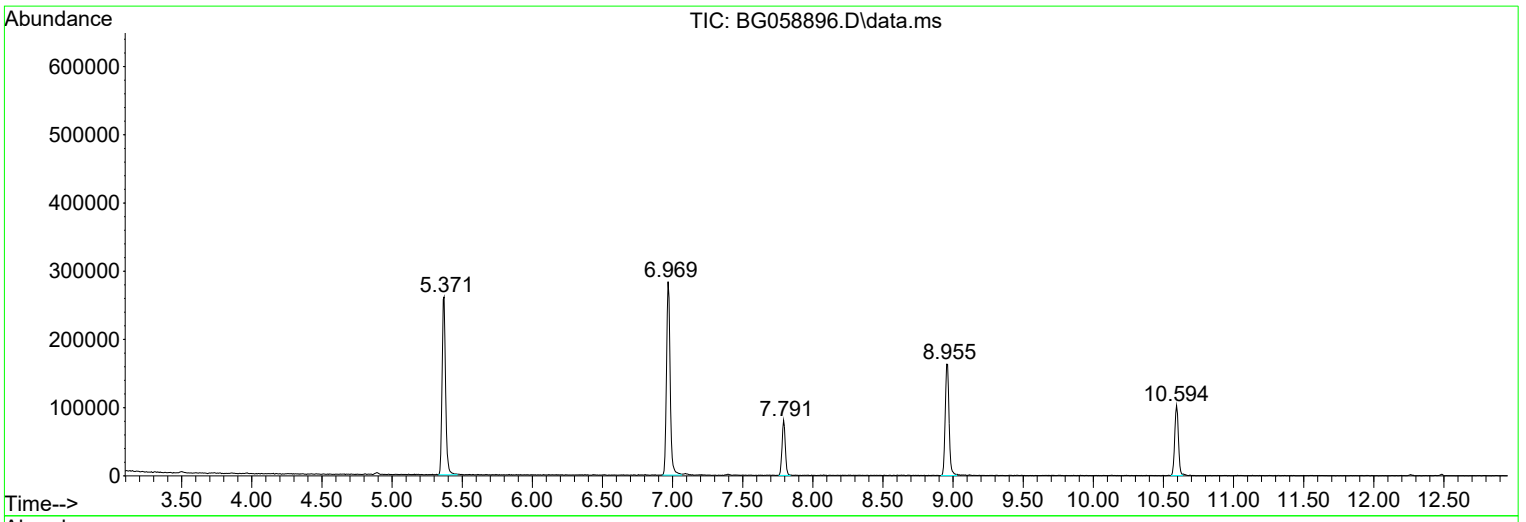
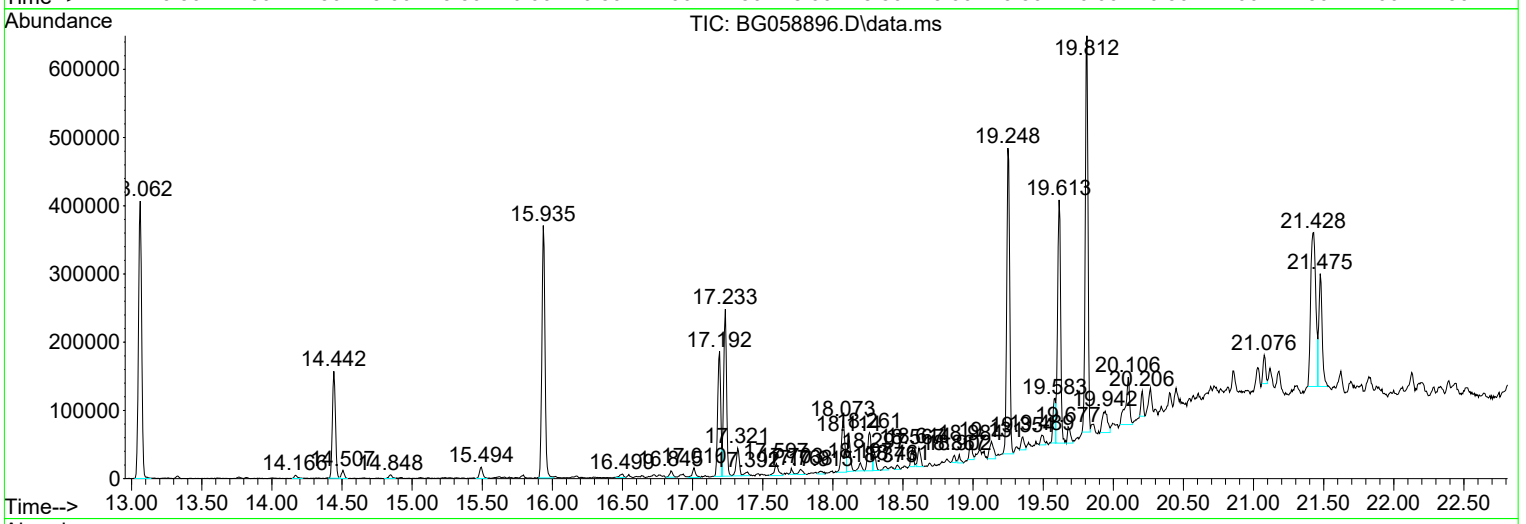
Acq On : 29 Aug 2023 20:51
Operator : MA/JU
Sample : 04188-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

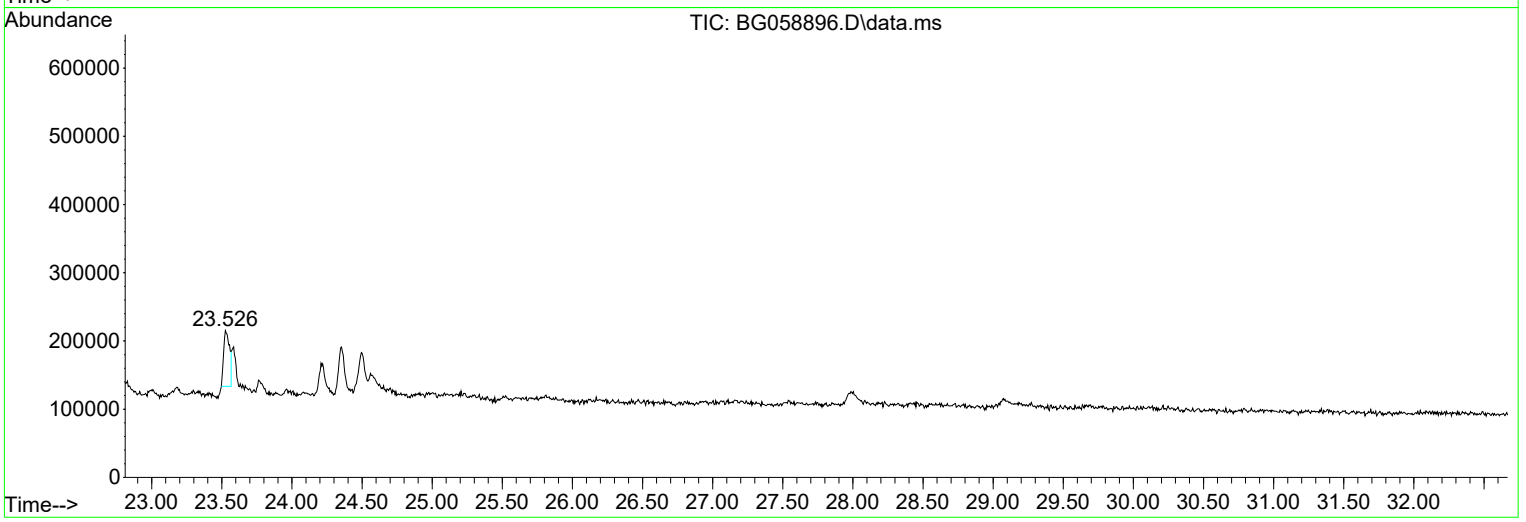
Instrument :
BNA_G
ClientSampleId :
WC-7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.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\BG082923\
Data File : BG058896.D
Acq On : 29 Aug 2023 20:51
Operator : MA/JU
Sample : 04188-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

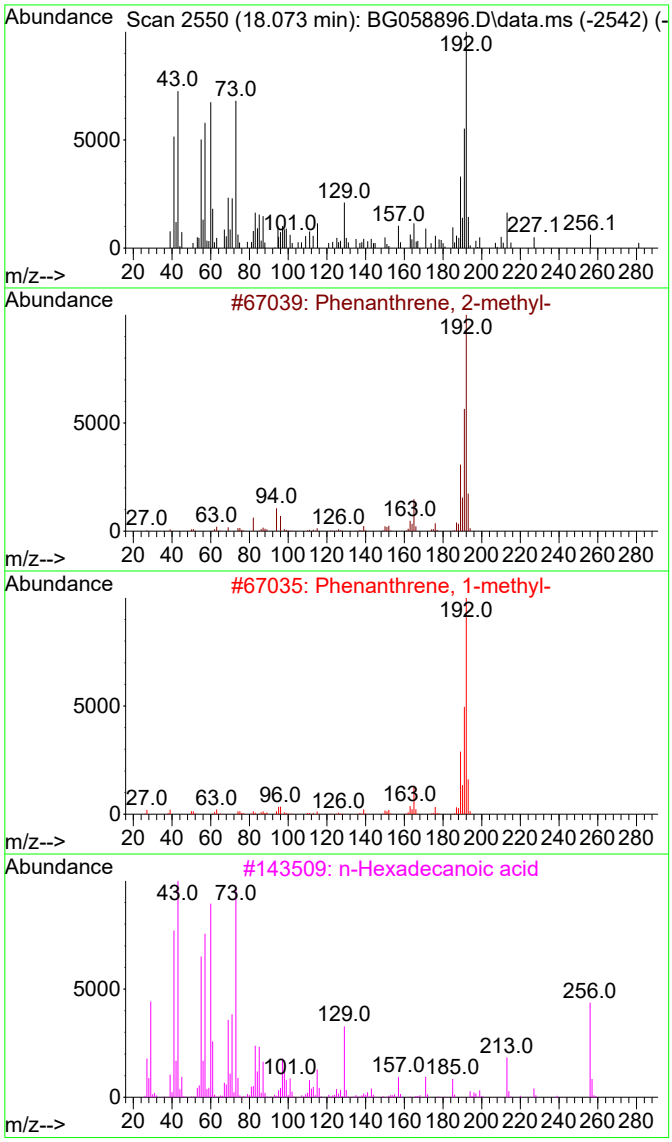
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

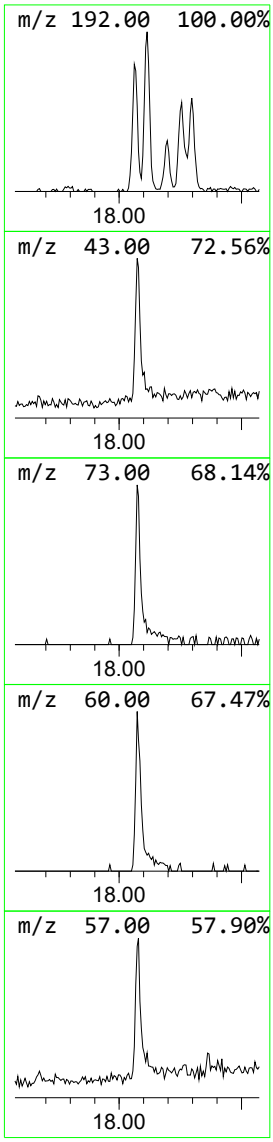
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.073	9.48 ng	133306	Phenanthrene-d10	17.192

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082923\
Data File : BG058896.D
Acq On : 29 Aug 2023 20:51
Operator : MA/JU
Sample : 04188-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

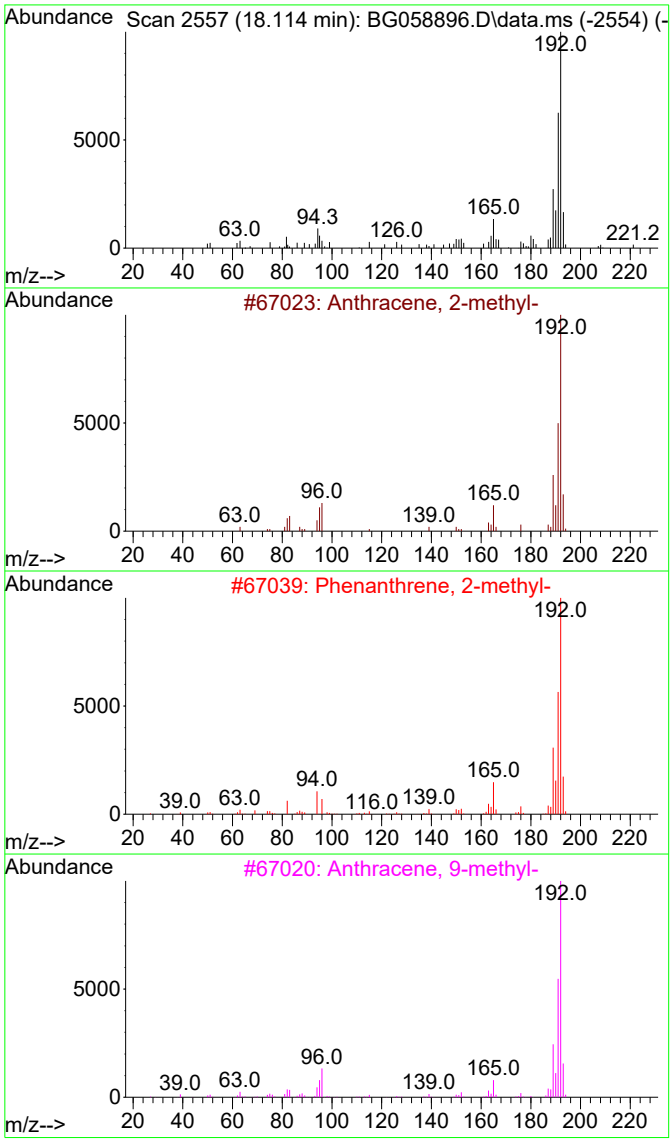
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

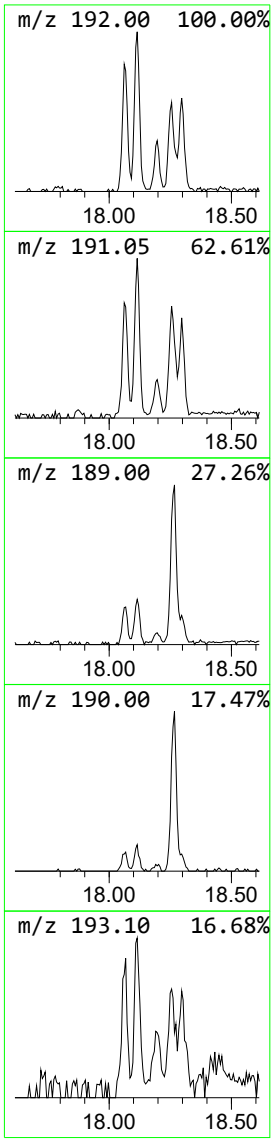
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.114	5.21 ng	73333	Phenanthrene-d10	17.192

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082923\
Data File : BG058896.D
Acq On : 29 Aug 2023 20:51
Operator : MA/JU
Sample : 04188-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-7

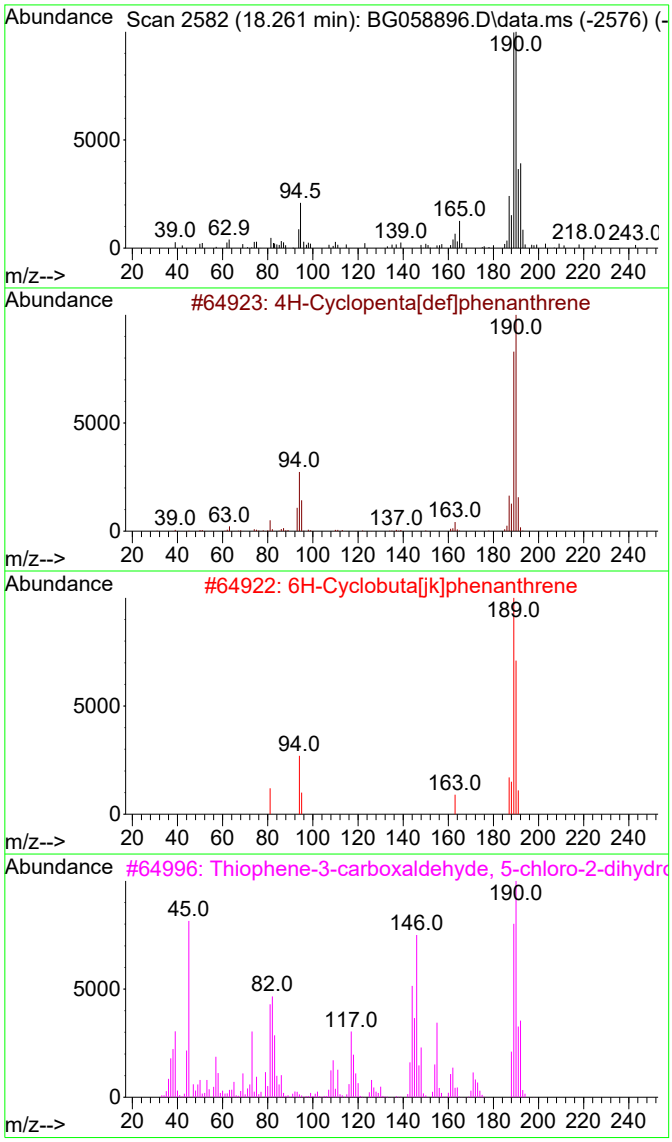
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

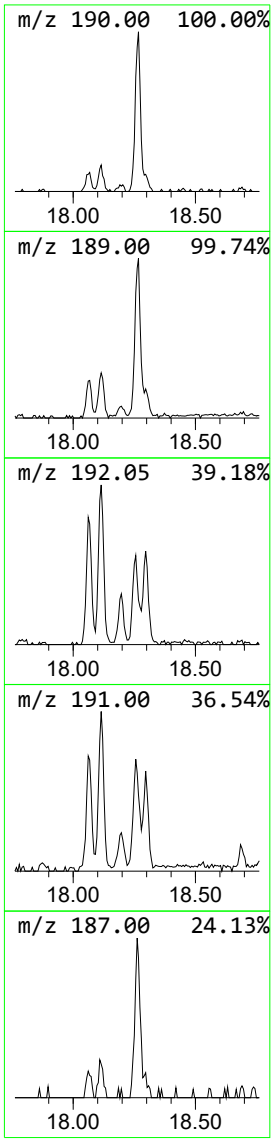
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.261	7.37 ng	103652	Phenanthrene-d10	17.192

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	47
5	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	28





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082923\
Data File : BG058896.D
Acq On : 29 Aug 2023 20:51
Operator : MA/JU
Sample : 04188-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-7

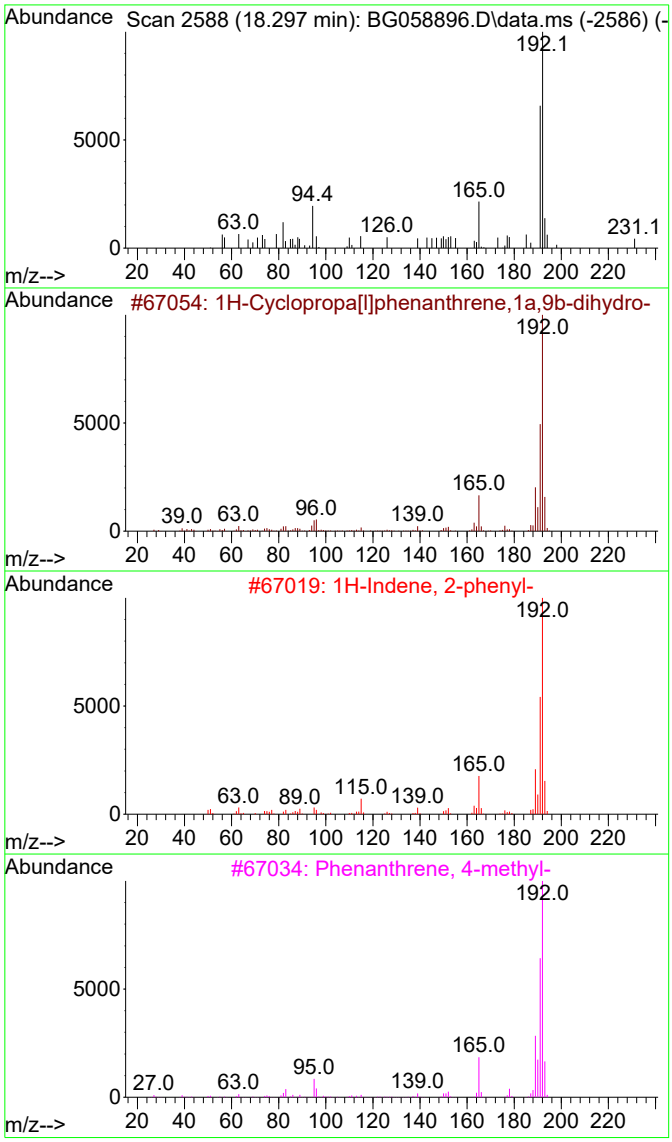
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

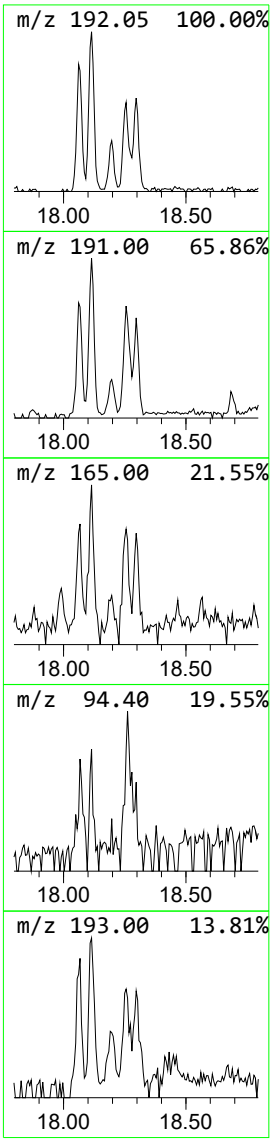
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 1H-Cyclopropa[l]phenanthren... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.297	2.22 ng	31184	Phenanthrene-d10	17.192

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	72
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	72
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	72
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	64
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082923\
Data File : BG058896.D
Acq On : 29 Aug 2023 20:51
Operator : MA/JU
Sample : 04188-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

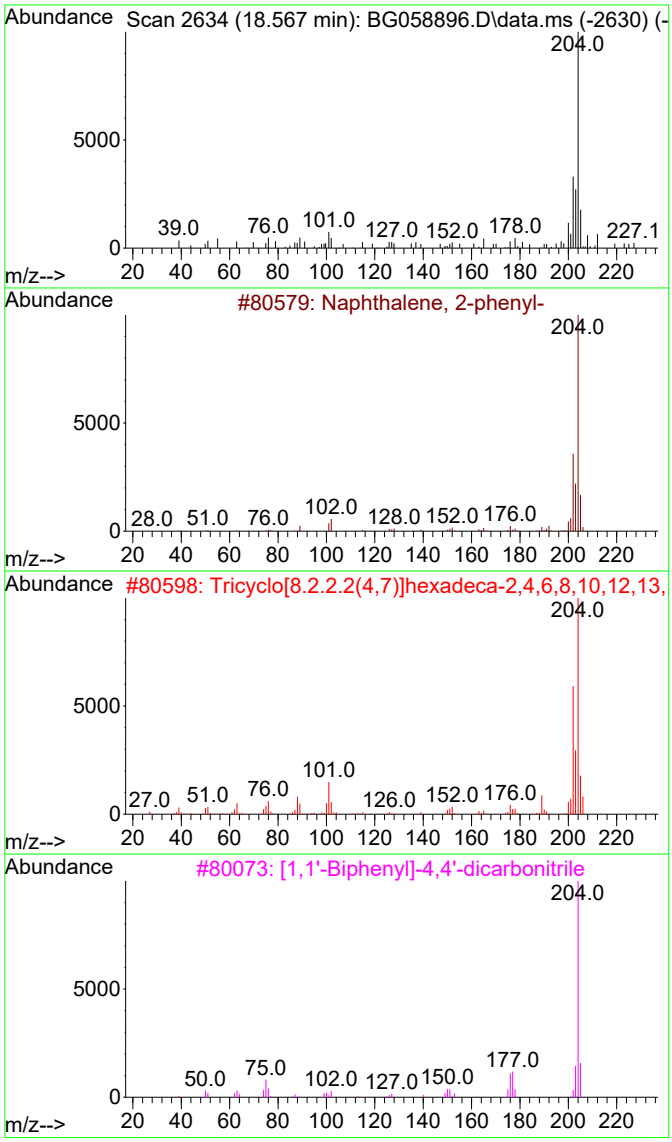
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

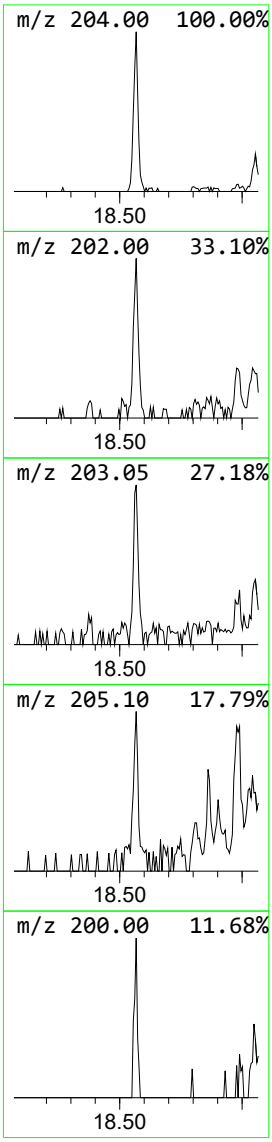
****

Peak Number 6 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.567	2.37 ng	33392	Phenanthrene-d10	17.192

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
4	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	50
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082923\
Data File : BG058896.D
Acq On : 29 Aug 2023 20:51
Operator : MA/JU
Sample : 04188-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

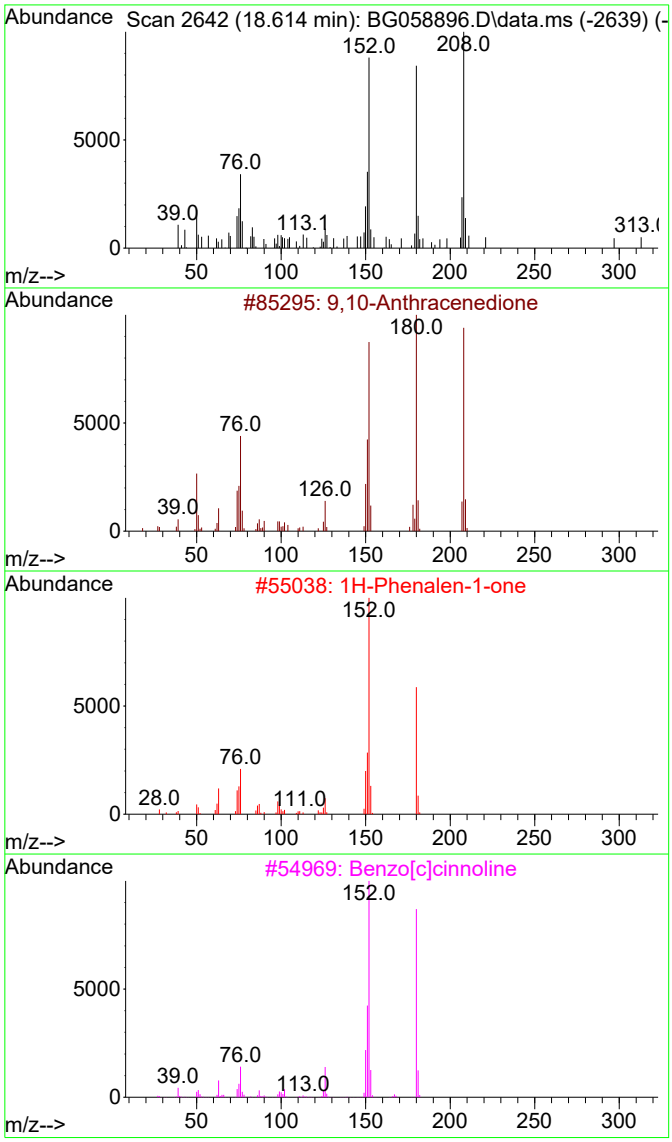
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

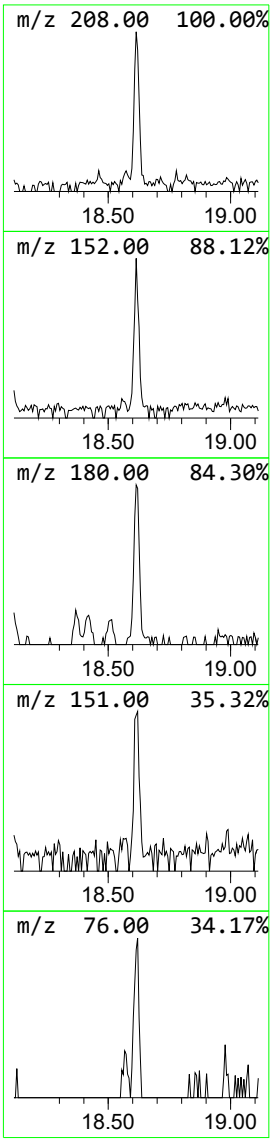
****

Peak Number 7 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.614	2.79 ng	39215	Phenanthrene-d10	17.192

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
5	1-Phenylbicyclo(3.2.2)nona-3,6,8...	208	C15H12O	1010427-19-9	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082923\
Data File : BG058896.D
Acq On : 29 Aug 2023 20:51
Operator : MA/JU
Sample : 04188-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

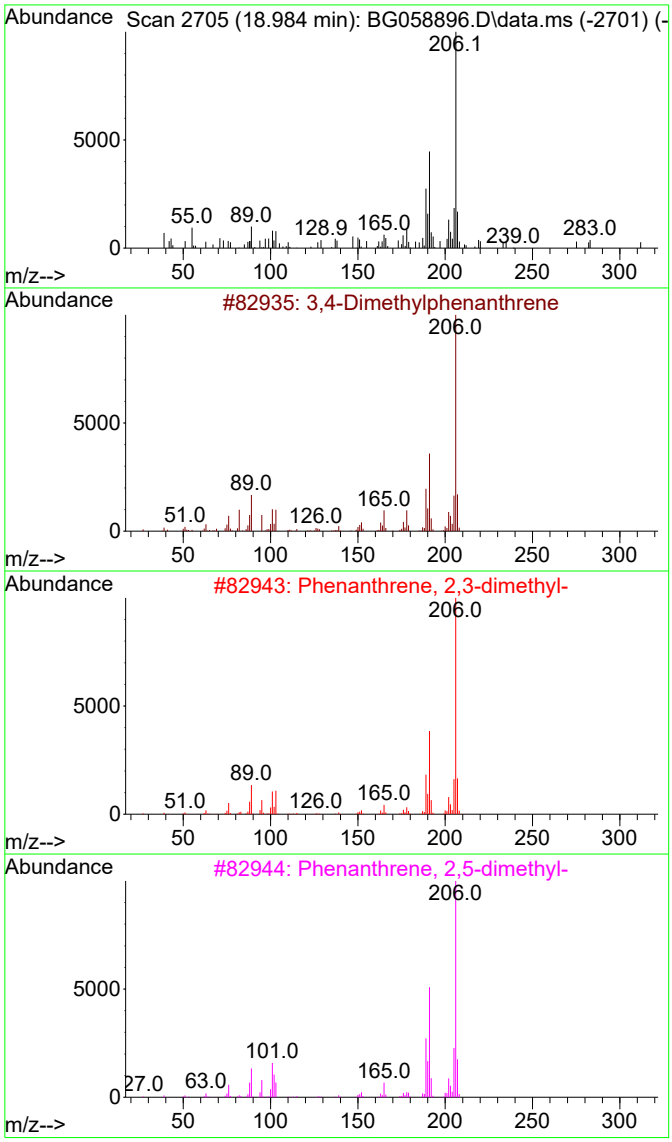
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

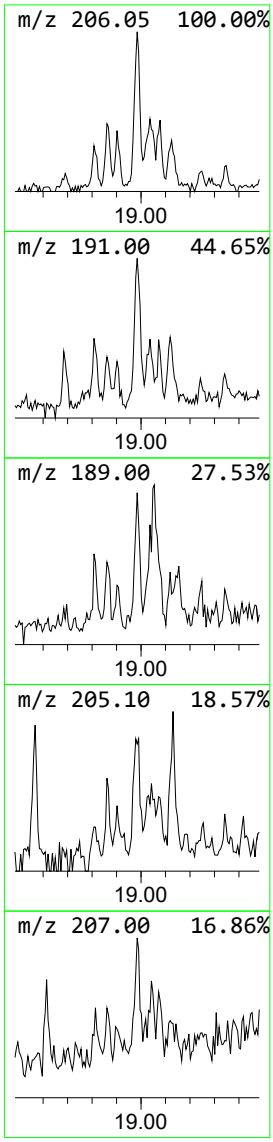
****

Peak Number 8 3,4-Dimethylphenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.984	2.38 ng	33456	Phenanthrene-d10	17.192

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082923\
Data File : BG058896.D
Acq On : 29 Aug 2023 20:51
Operator : MA/JU
Sample : 04188-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

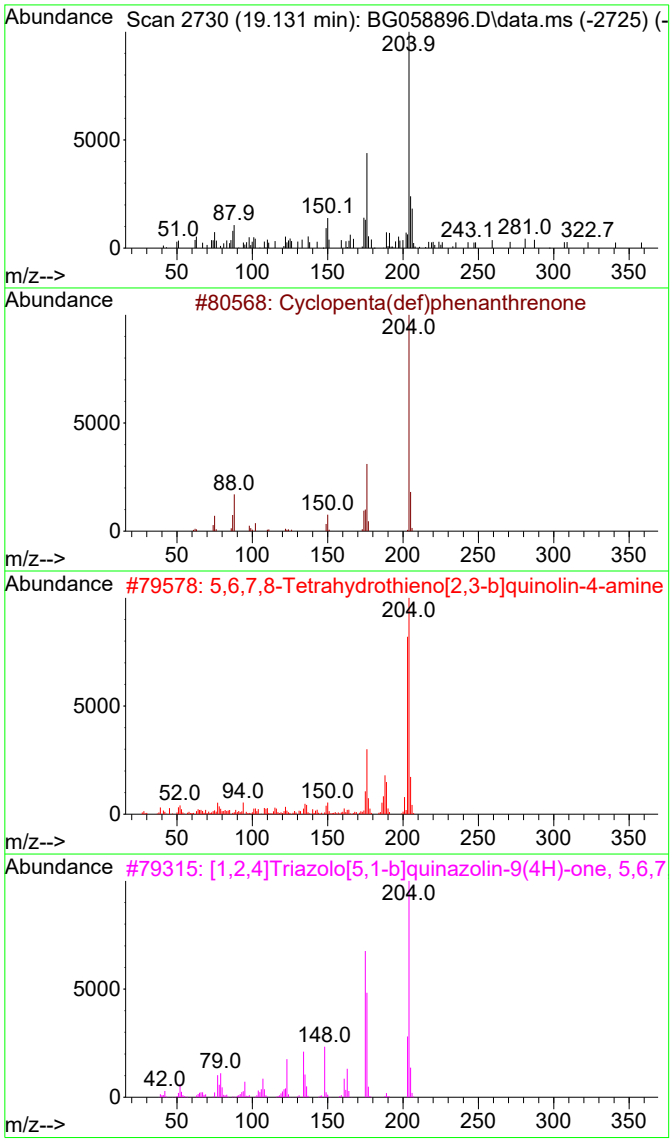
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

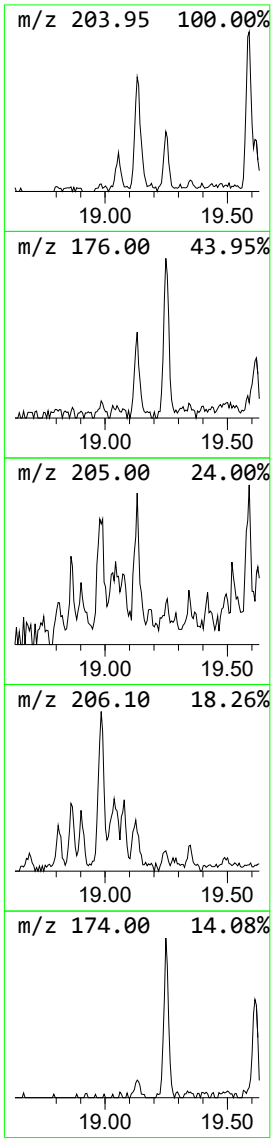
****

Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.131	3.67 ng	51643	Phenanthrene-d10	17.192

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	87
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	64
3	[1,2,4]Triazolo[5,1-b]quinazolin...	204	C10H12N4O	1000337-56-5	50
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
5	Tetracyano-p-quinodimethane	204	C12H4N4	001518-16-7	46





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Data File : BG058896.D
Acq On : 29 Aug 2023 20:51
Operator : MA/JU
Sample : 04188-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.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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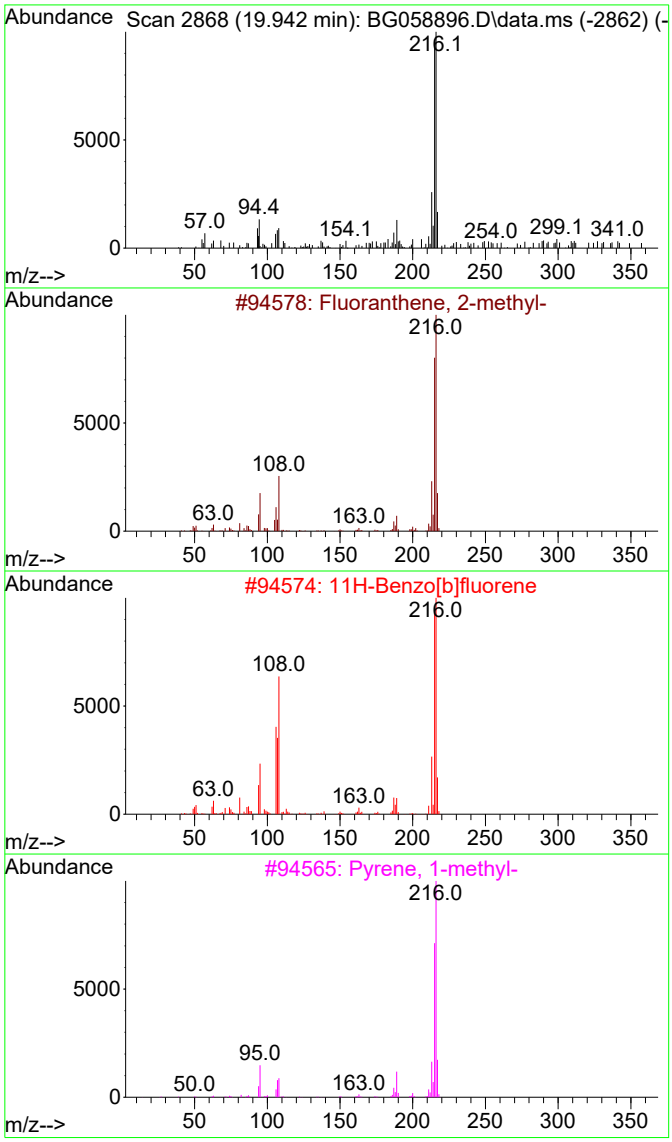
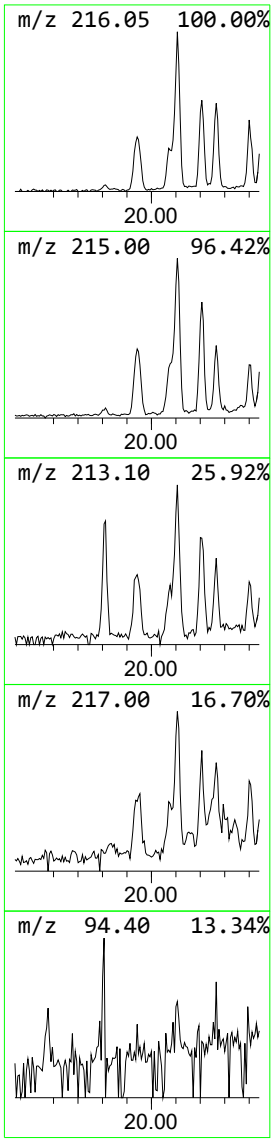
Peak Number 10 Fluoranthene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.942	2.85 ng	83225	Chrysene-d12	21.434

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	72
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	60
5	Benzoic acid, 3-(3,5-dimethyl-1-...	216	C12H12N2O2	312531-88-7	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082923\
Data File : BG058896.D
Acq On : 29 Aug 2023 20:51
Operator : MA/JU
Sample : 04188-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.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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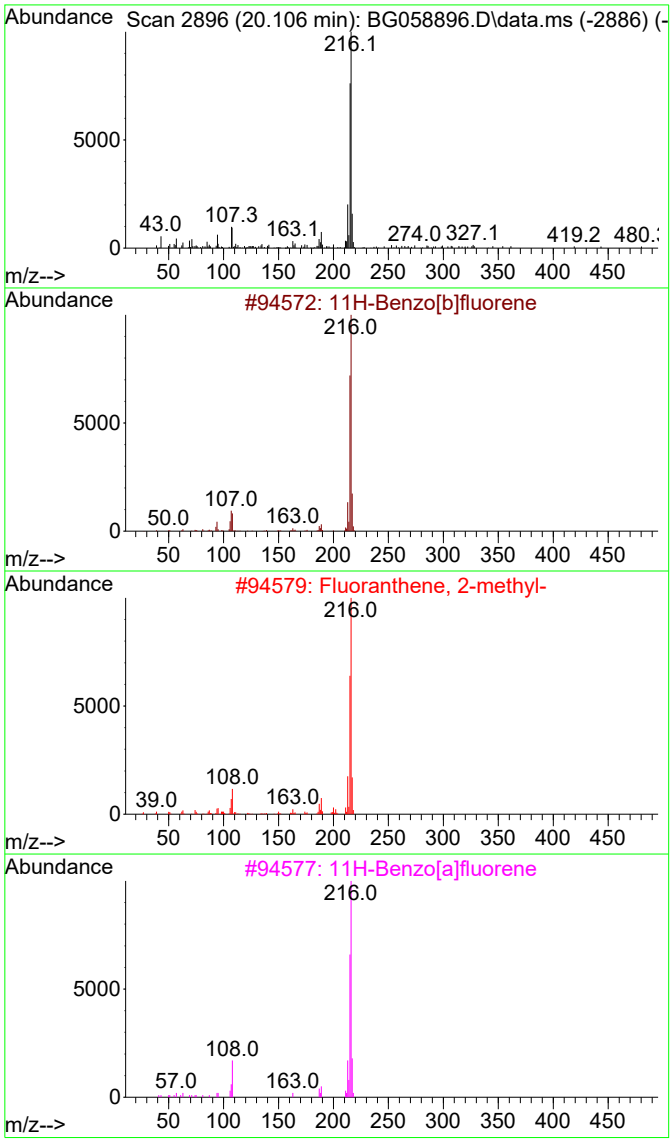
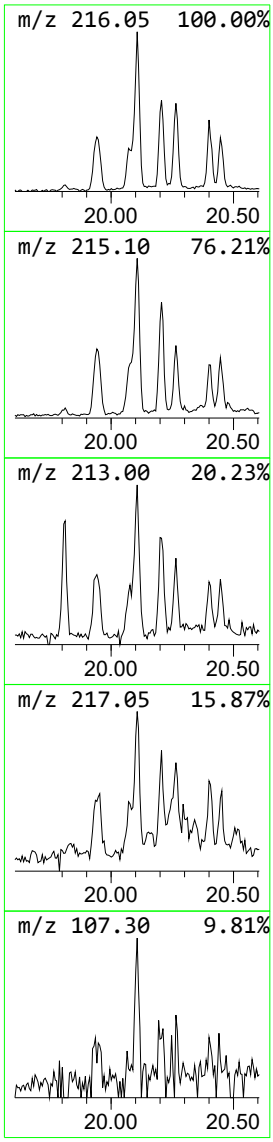
Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.106	4.90 ng	143112	Chrysene-d12	21.434

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082923\
Data File : BG058896.D
Acq On : 29 Aug 2023 20:51
Operator : MA/JU
Sample : 04188-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-7

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.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, 2...	18.073	9.5	ng	133306	4	17.192	281381	20.0
Anthracene, 2-m...	18.114	5.2	ng	73333	4	17.192	281381	20.0
4H-Cyclopenta[d...	18.261	7.4	ng	103652	4	17.192	281381	20.0
1H-Cyclopropa[l...	18.297	2.2	ng	31184	4	17.192	281381	20.0
Naphthalene, 2-...	18.567	2.4	ng	33392	4	17.192	281381	20.0
9,10-Anthracene...	18.614	2.8	ng	39215	4	17.192	281381	20.0
3,4-Dimethylphe...	18.984	2.4	ng	33456	4	17.192	281381	20.0
Cyclopenta(def)...	19.131	3.7	ng	51643	4	17.192	281381	20.0
Fluoranthene, 2...	19.942	2.9	ng	83225	5	21.434	584511	20.0
11H-Benzo[b]flu...	20.106	4.9	ng	143112	5	21.434	584511	20.0