LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041124\
Data File : BG060865.D
Acq On : 11 Apr 2024 18:56
Operator : MA/JU
Sample : P2070-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-2

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-BG032924.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG060865.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.170	26	31	44	rVB	81175	138930	3.56%	0.290%
2	5.532	426	433	443	rBV	916167	1463507	37.52%	3.059%
3	7.112	694	702	712	rVB	997042	1662115	42.61%	3.474%
4	7.946	837	844	851	rBV	243372	406676	10.42%	0.850%
5	9.104	1032	1041	1049	rBV	584792	1053248	27.00%	2.201%
6	10.743	1310	1320	1326	rBV	315774	556923	14.28%	1.164%
7	13.199	1731	1738	1746	rBV	1363237	2138481	54.82%	4.469%
8	14.304	1919	1926	1944	rBV	93072	247235	6.34%	0.517%
9	14.574	1961	1972	1979	rBV	530346	849211	21.77%	1.775%
10	14.803	2001	2011	2016	rBV4	31018	76300	1.96%	0.159%
11	16.066	2218	2226	2235	rBV	1381744	2129627	54.59%	4.451%
12	17.324	2433	2440	2444	rBV	701589	1073418	27.52%	2.243%
13	17.365	2444	2447	2453	rVV	182320	258820	6.63%	0.541%
14	17.453	2457	2462	2467	rVV	59064	95280	2.44%	0.199%
15	17.512	2467	2472	2478	rVB6	25315	47323	1.21%	0.099%
16	17.723	2503	2508	2512	rBV	44177	66775	1.71%	0.140%
17	18.234	2590	2595	2606	rVB2	292087	449041	11.51%	0.939%
18	18.399	2617	2623	2627	rBV3	90491	178505	4.58%	0.373%
19	18.698	2671	2674	2677	rBV2	35090	46992	1.20%	0.098%
20	18.734	2678	2680	2685	rVB4	40877	52487	1.35%	0.110%
21	19.116	2741	2745	2750	rBV2	71337	125971	3.23%	0.263%
22	19.180	2751	2756	2760	rBV7	41237	88871	2.28%	0.186%
23	19.257	2765	2769	2778	rVB5	67976	140030	3.59%	0.293%
24	19.380	2784	2790	2796	rBV	1599059	2279480	58.43%	4.764%
25	19.527	2809	2815	2820	rBV	138927	257996	6.61%	0.539%
26	19.744	2842	2852	2860	rBV	1582592	2598558	66.61%	5.431%
27	19.950	2879	2887	2898	rVB	2442587	3507989	89.93%	7.332%
28	20.067	2902	2907	2913	rBV4	137616	359119	9.21%	0.751%
29	20.203	2927	2930	2932	rBV2	93558	134196	3.44%	0.280%
30	20.238	2932	2936	2940	rVB	321374	448596	11.50%	0.938%
31	20.338	2949	2953	2956	rBV	187266	241376	6.19%	0.504%
32	20.396	2959	2963	2967	rVB2	183885	293397	7.52%	0.613%
33	20.532	2983	2986	2990	rBV	106513	146846	3.76%	0.307%
34	20.990	3061	3064	3071	rVB	200653	326198	8.36%	0.682%
35	21.219	3099	3103	3106	rBV2	131620	189045	4.85%	0.395%
36	21.266	3106	3111	3116	rVV3	404841	712325	18.26%	1.489%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041124\
Data File : BG060865.D
Acq On : 11 Apr 2024 18:56
Operator : MA/JU
Sample : P2070-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-2

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-BG032924.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	21.319	3117	3120	3130	rVB2	216838	371129	9.51%	0.776%
38	21.572	3158	3163	3170	rBV3	1542989	3713100	95.18%	7.760%
39	21.636	3170	3174	3186	rVB	932802	1706397	43.74%	3.566%
40	21.783	3195	3199	3203	rBV	162722	245482	6.29%	0.513%
41	21.983	3228	3233	3241	rBV2	194064	444114	11.38%	0.928%
42	23.745	3523	3533	3539	rBV	1191305	3900988	100.00%	8.153%
43	23.986	3568	3574	3582	rVB	339068	787099	20.18%	1.645%
44	24.439	3644	3651	3665	rVB	697021	2040513	52.31%	4.265%
45	24.586	3666	3676	3690	rVB	1143277	3183765	81.61%	6.654%
46	24.727	3693	3700	3707	rVV	457927	1313728	33.68%	2.746%
47	24.803	3708	3713	3728	rVB2	382707	1200935	30.79%	2.510%
48	28.293	4297	4307	4332	rVB3	519753	2575587	66.02%	5.383%
49	29.398	4483	4495	4509	rVB	348741	1522478	39.03%	3.182%

Sum of corrected areas: 47846202

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Misc :
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Instrument :
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ClientSampleId :
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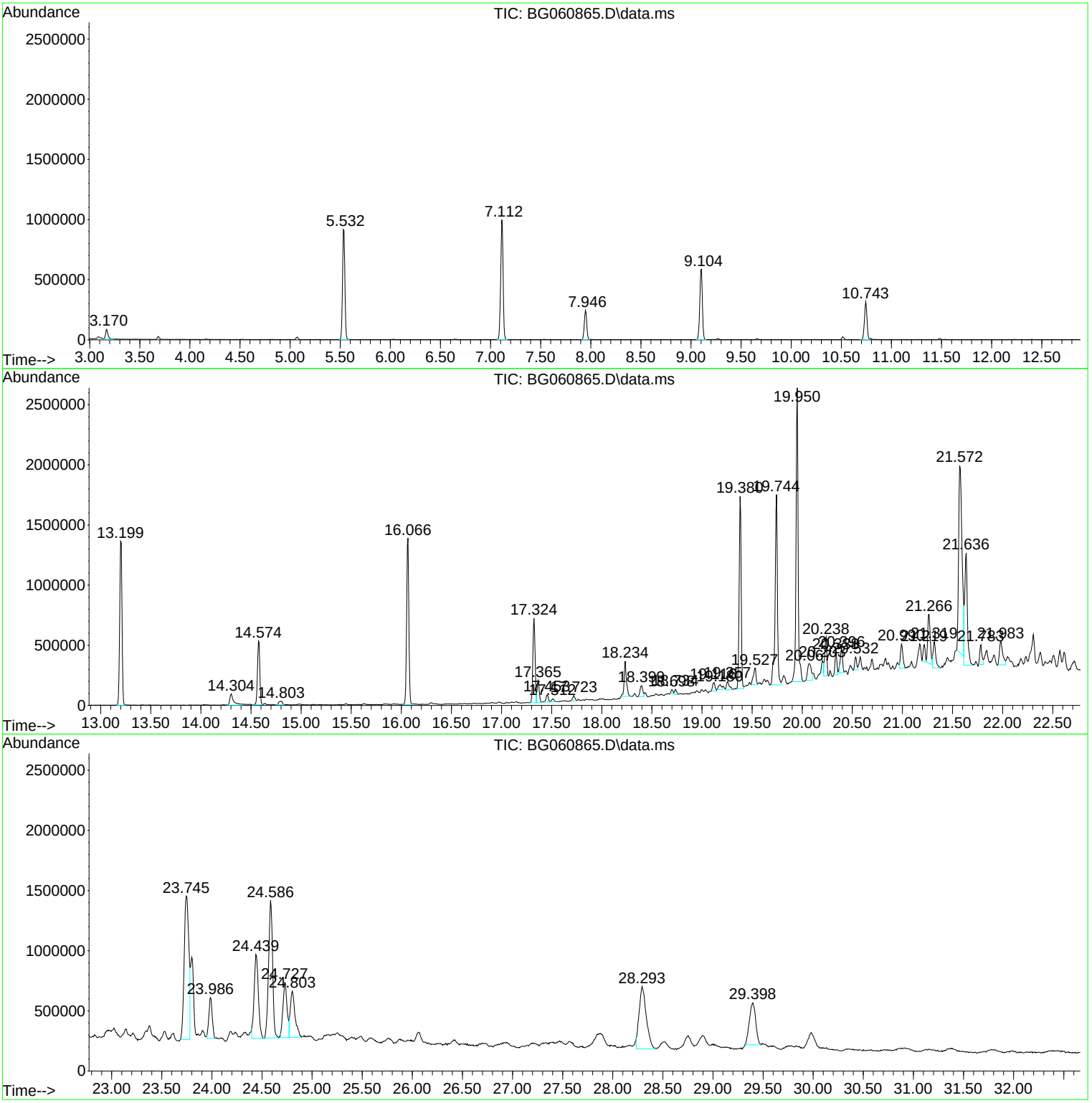
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041124\
Data File : BG060865.D
Acq On : 11 Apr 2024 18:56
Operator : MA/JU
Sample : P2070-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

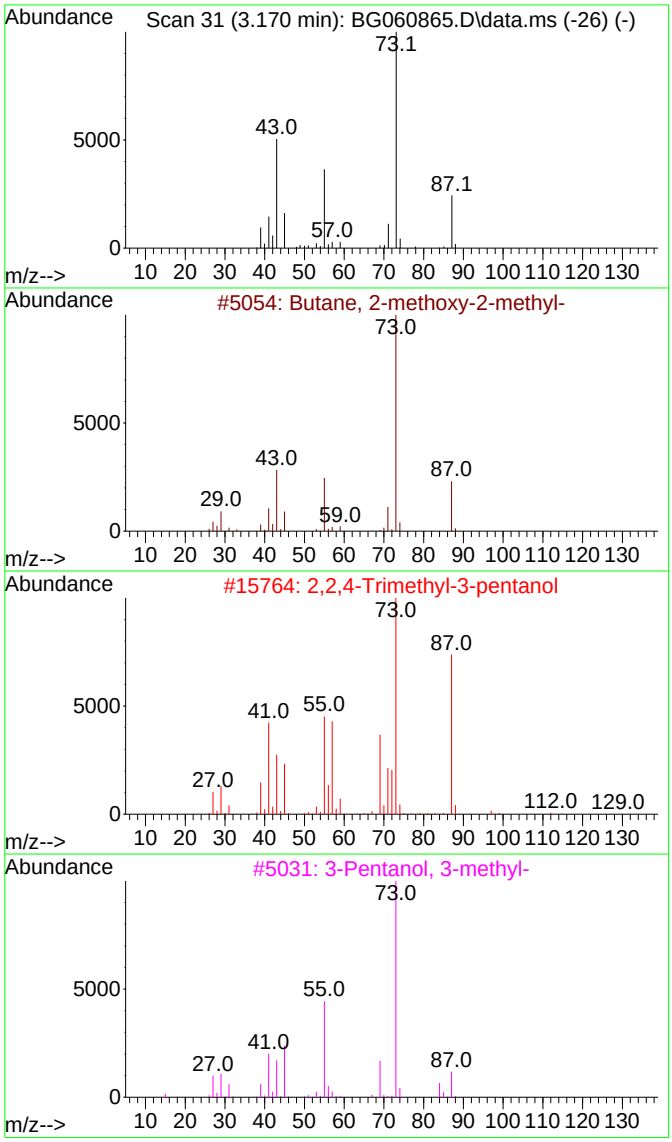
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

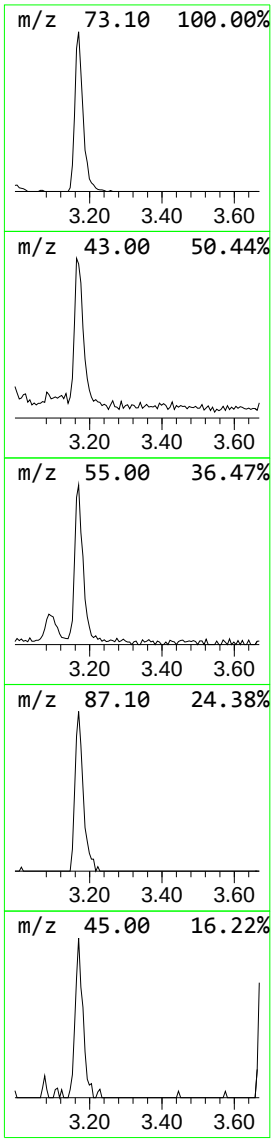
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.170	6.83 ng	138930	1,4-Dichlorobenzene-d4	7.946

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	25
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041124\
Data File : BG060865.D
Acq On : 11 Apr 2024 18:56
Operator : MA/JU
Sample : P2070-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

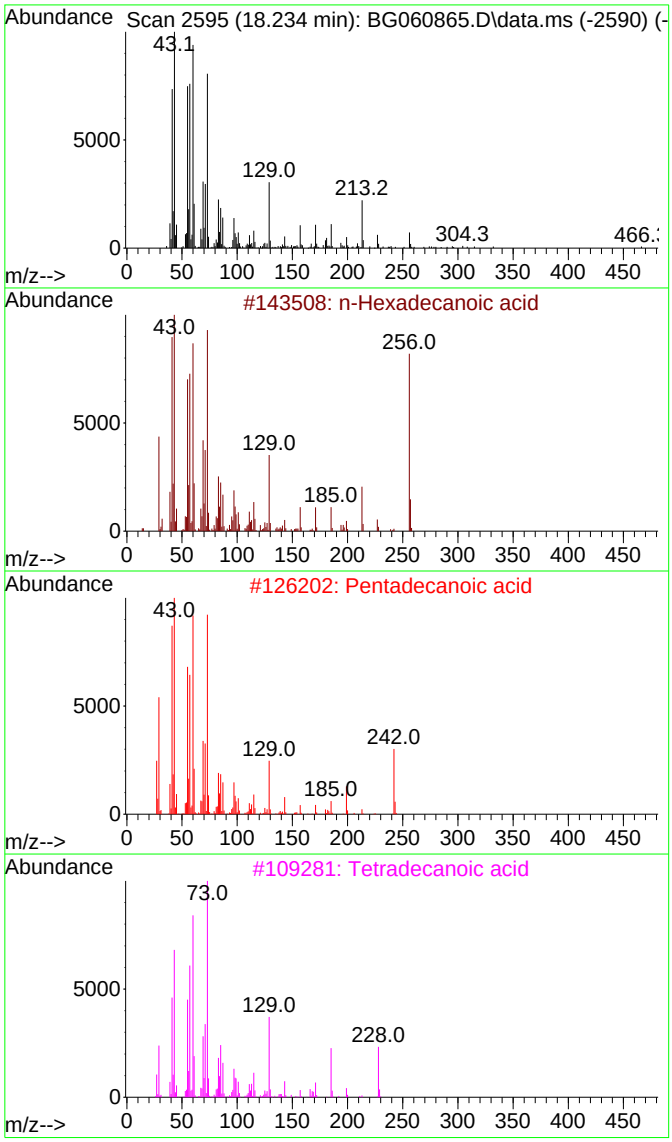
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

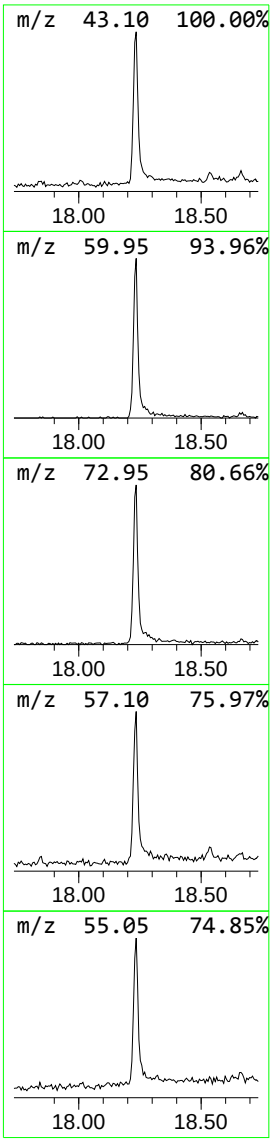
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.234	8.37 ng	449041	Phenanthrene-d10	17.324

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	92
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	72
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	59
4	n-Decanoic acid	172	C10H20O2	000334-48-5	52
5	Dodecanoic acid	200	C12H24O2	000143-07-7	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041124\
Data File : BG060865.D
Acq On : 11 Apr 2024 18:56
Operator : MA/JU
Sample : P2070-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-2

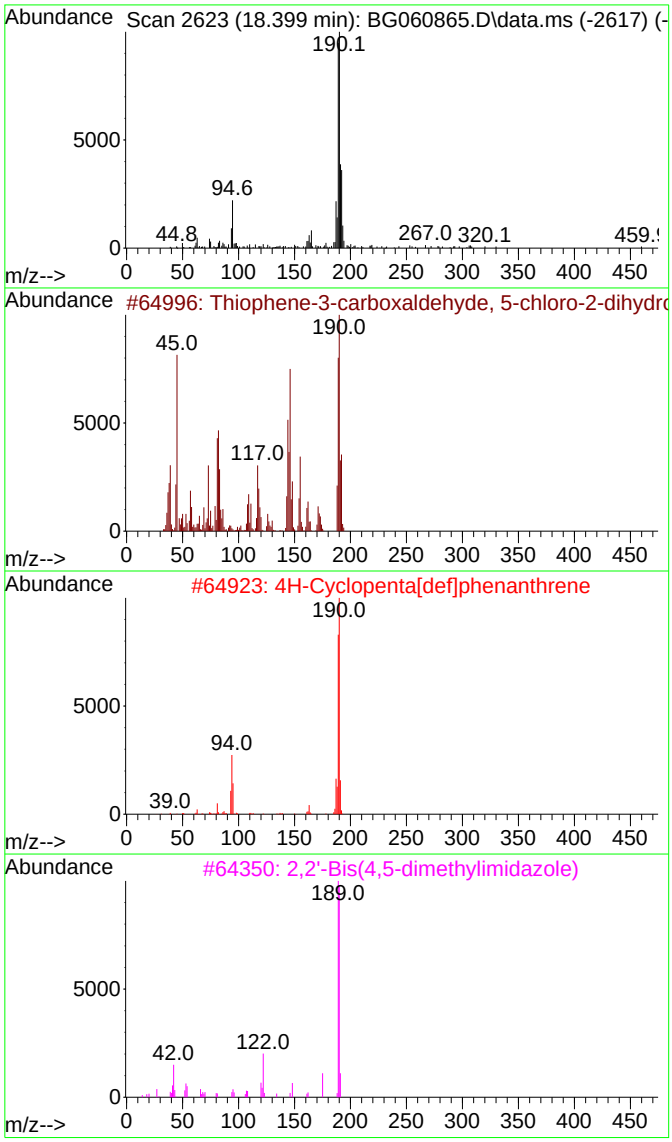
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

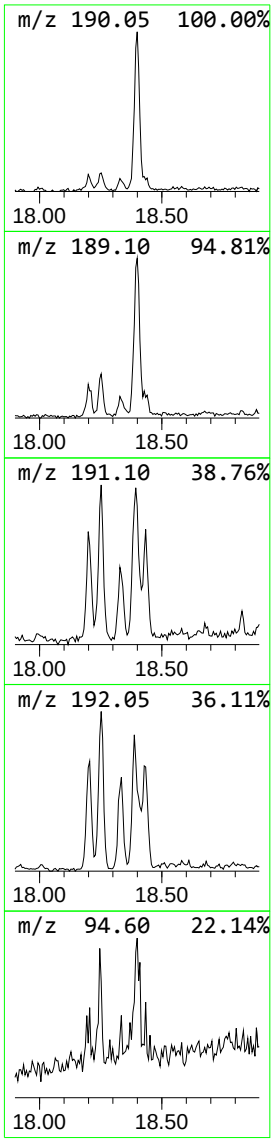
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Thiophene-3-carboxaldehyde,... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.399	3.33 ng	178505	Phenanthrene-d10	17.324

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
4	Methyl diselenide	190	C2H6Se2	007101-31-7	38
5	1,1'-Biphenyl, 4,4'-difluoro-	190	C12H8F2	000398-23-2	23





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041124\
Data File : BG060865.D
Acq On : 11 Apr 2024 18:56
Operator : MA/JU
Sample : P2070-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

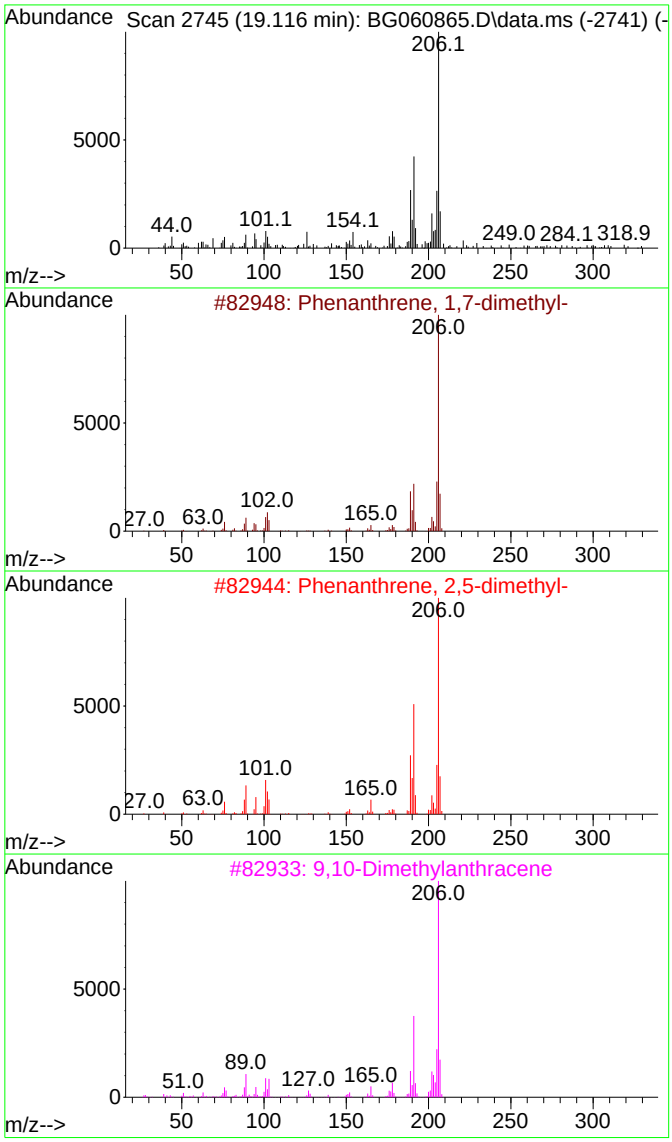
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

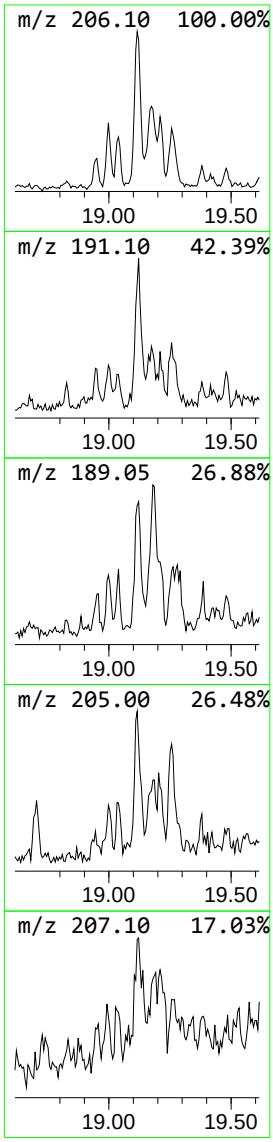
****

Peak Number 4 Phenanthrene, 1,7-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.116	2.35 ng	125971	Phenanthrene-d10	17.324

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041124\
Data File : BG060865.D
Acq On : 11 Apr 2024 18:56
Operator : MA/JU
Sample : P2070-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

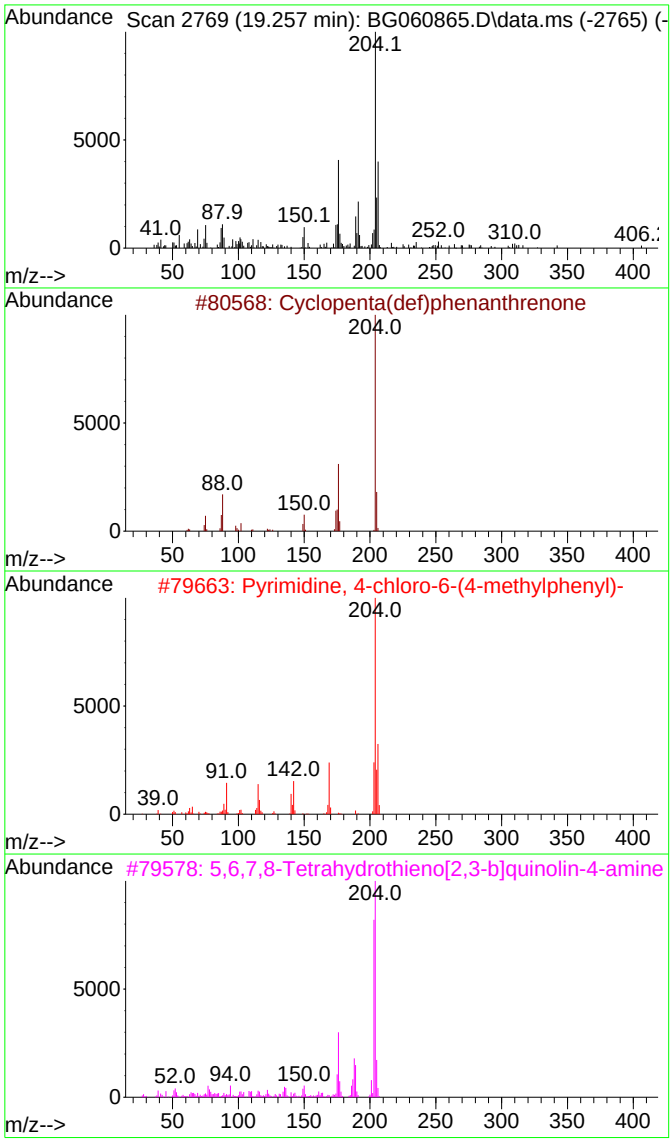
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

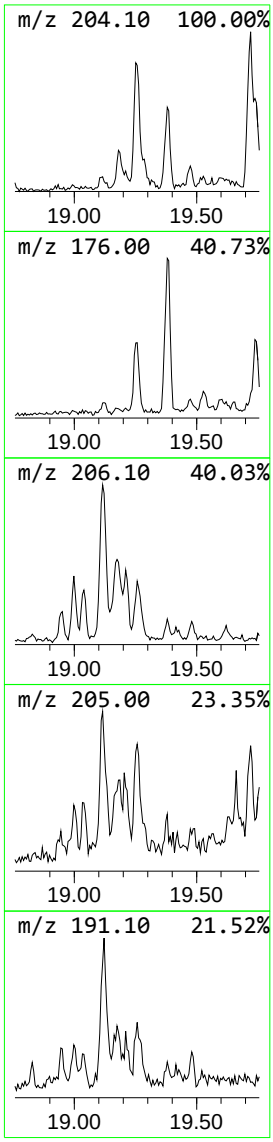
****

Peak Number 5 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.257	2.61 ng	140030	Phenanthrene-d10	17.324

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	78
2	Pyrimidine, 4-chloro-6-(4-methyl...	204	C11H9ClN2	1000380-55-8	47
3	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	46
4	4-Methyl-6,7-methylenedioxycoumarin	204	C11H8O4	015071-04-2	46
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041124\
Data File : BG060865.D
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Operator : MA/JU
Sample : P2070-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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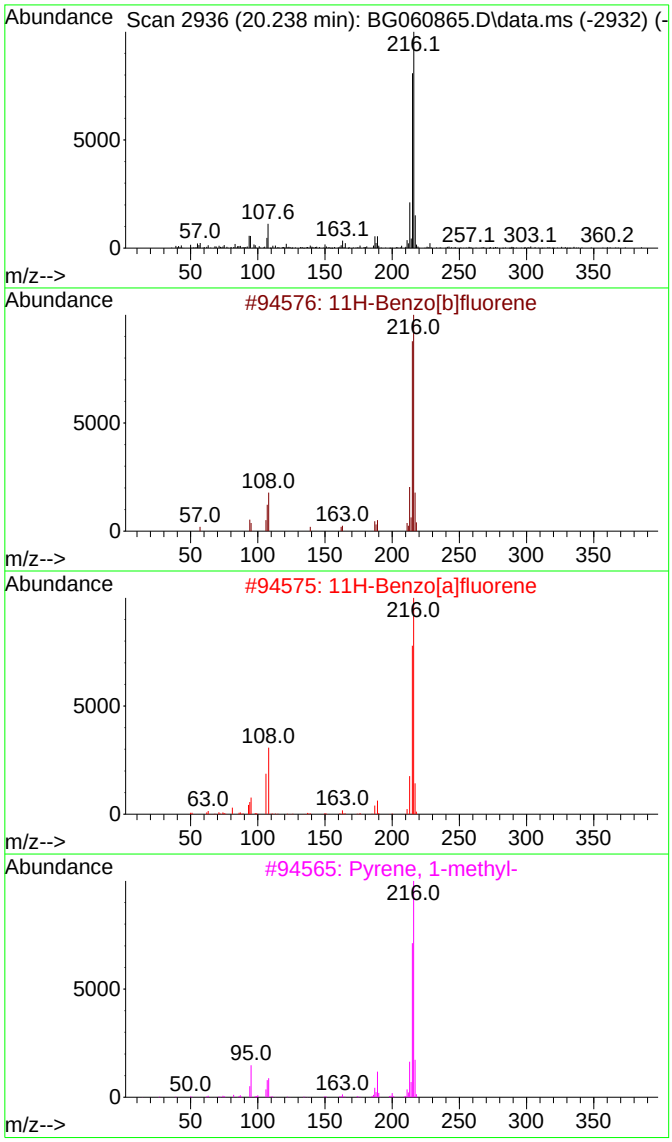
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

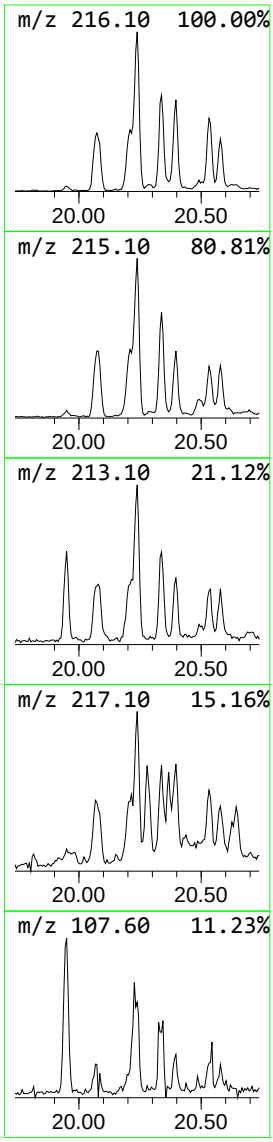
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.238	2.42 ng	448596	Chrysene-d12	21.589

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041124\
Data File : BG060865.D
Acq On : 11 Apr 2024 18:56
Operator : MA/JU
Sample : P2070-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

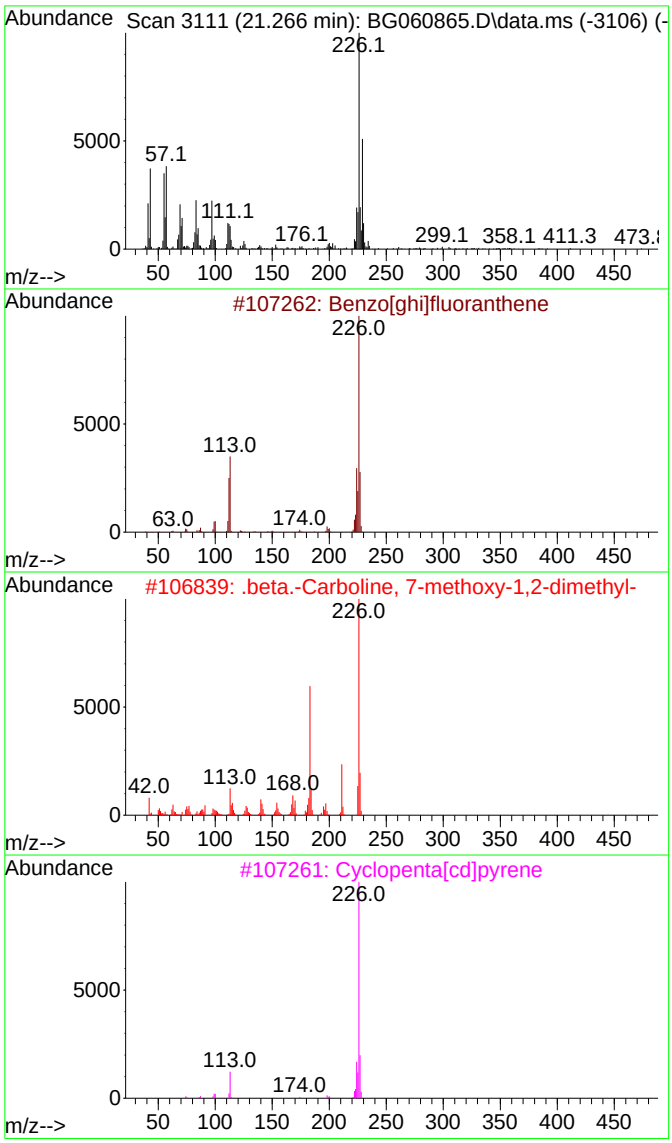
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

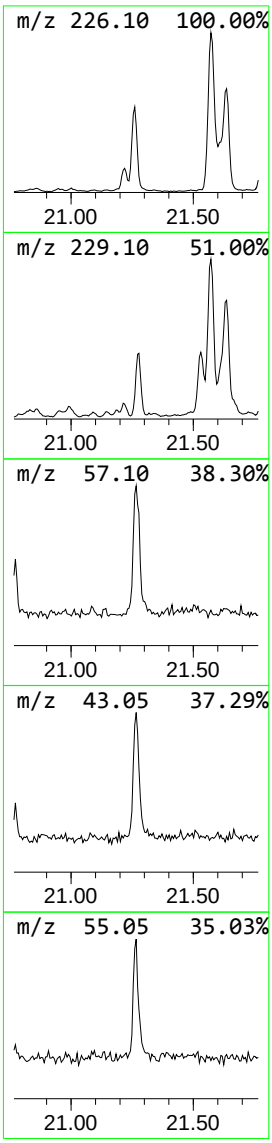
****

Peak Number 7 Benzo[ghi]fluoranthene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.266	3.84 ng	712325	Chrysene-d12	21.589

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	50
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	43
3	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	43
4	Cyclopentanecarboxamide, N-(2-ph...	413	C28H47NO	1000451-59-7	38
5	6-Methyl-4-phenyl-3-cyanopyridin...	226	C13H10N2S	078564-23-5	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041124\
Data File : BG060865.D
Acq On : 11 Apr 2024 18:56
Operator : MA/JU
Sample : P2070-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.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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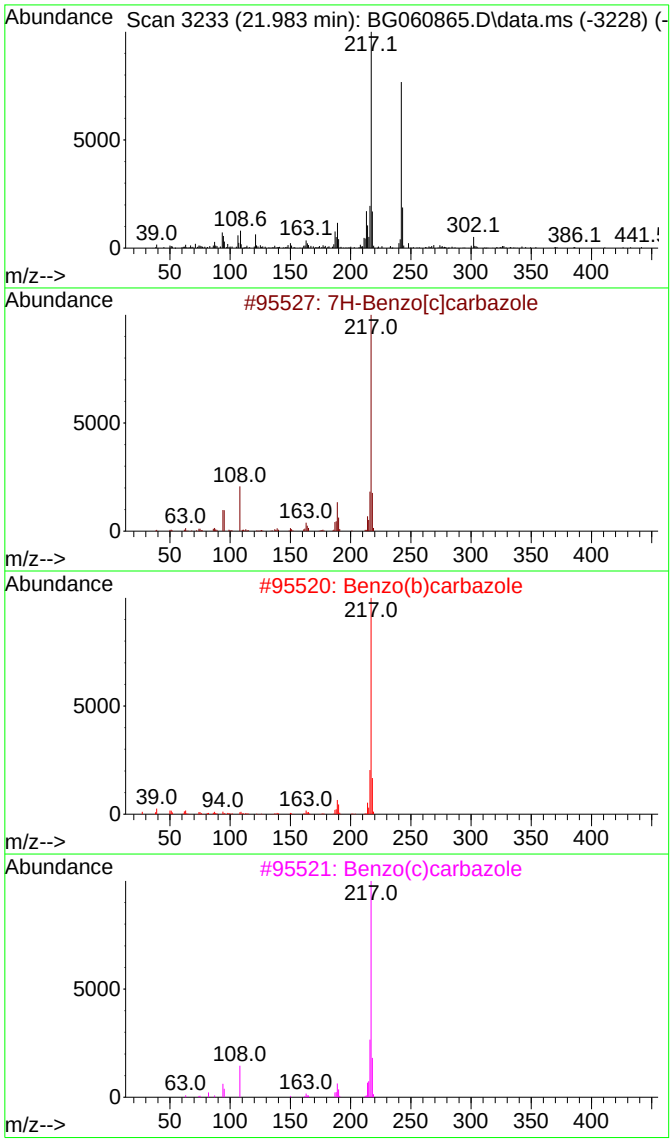
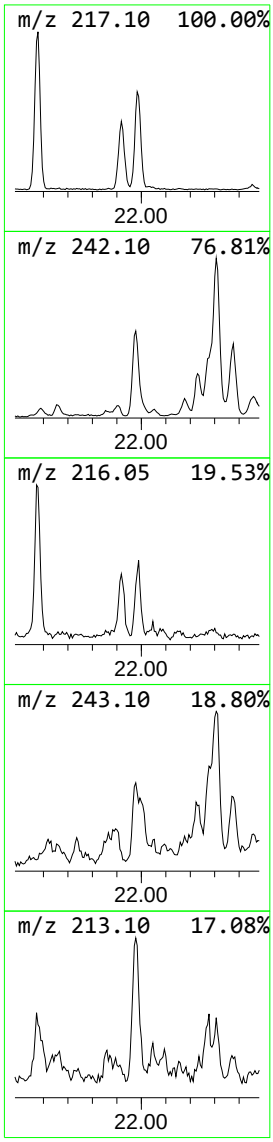
Peak Number 8 7H-Benzo[c]carbazole Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.983	2.39 ng	444114	Chrysene-d12	21.589

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	70
2	Benzo(b)carbazole	217	C16H11N	000243-28-7	55
3	Benzo(c)carbazole	217	C16H11N	034777-33-8	45
4	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	43
5	1-Aminopyrene	217	C16H11N	001606-67-3	38





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Data File : BG060865.D
Acq On : 11 Apr 2024 18:56
Operator : MA/JU
Sample : P2070-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.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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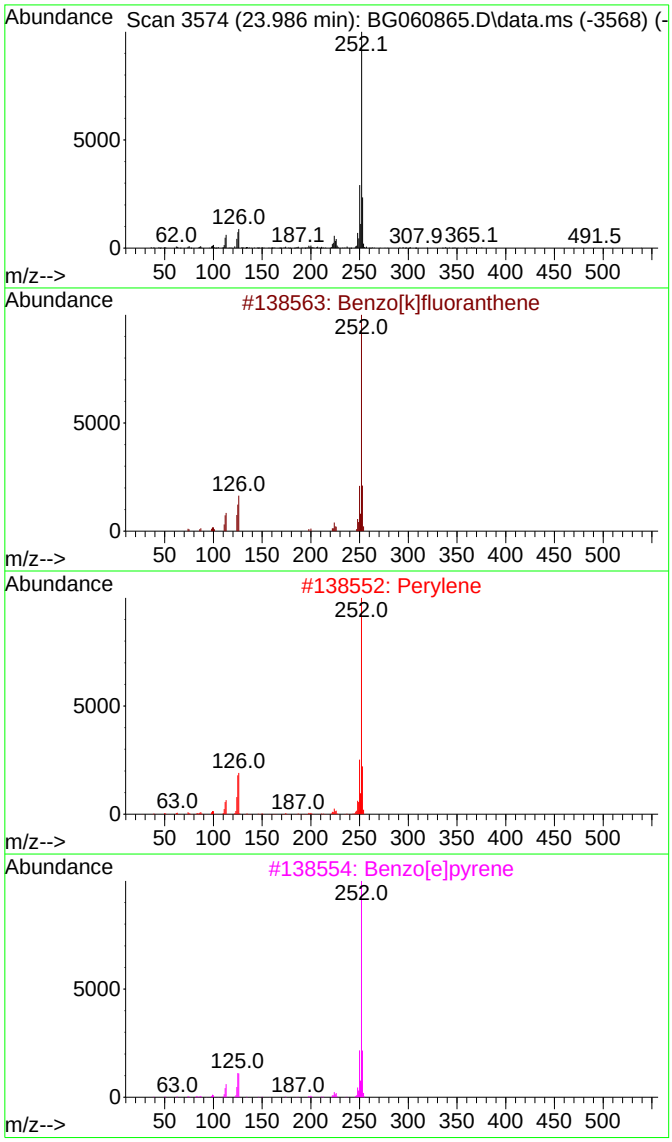
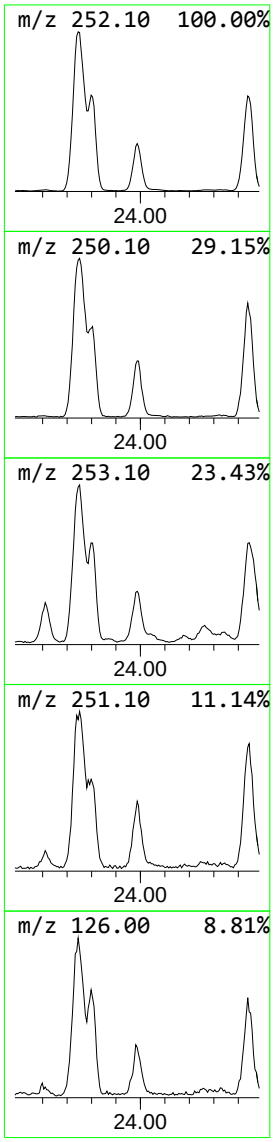
Peak Number 9 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.986	11.98 ng	787099	Perylene-d12	24.733

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
2	Perylene	252	C20H12	000198-55-0	93
3	Benzo[e]pyrene	252	C20H12	000192-97-2	91
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041124\
Data File : BG060865.D
Acq On : 11 Apr 2024 18:56
Operator : MA/JU
Sample : P2070-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.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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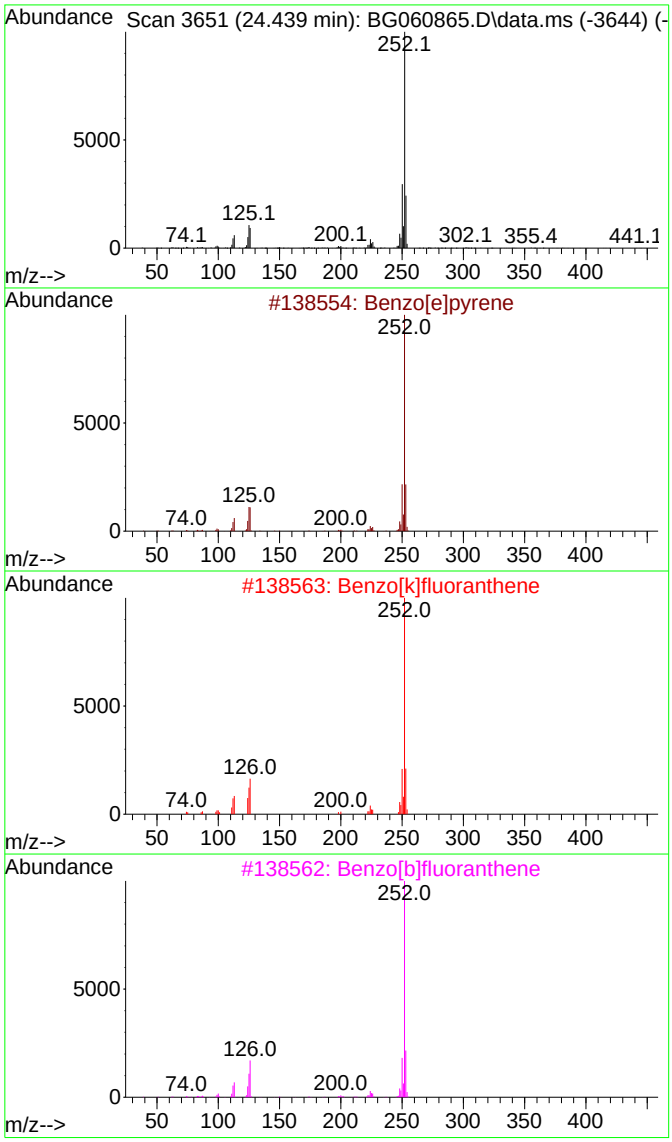
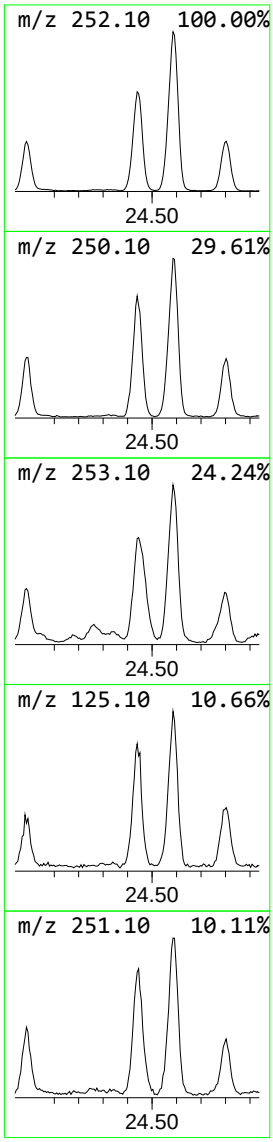
Peak Number 10 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.439	31.06 ng	2040510	Perylene-d12	24.733

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4	Perylene	252	C20H12	000198-55-0	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041124\
Data File : BG060865.D
Acq On : 11 Apr 2024 18:56
Operator : MA/JU
Sample : P2070-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.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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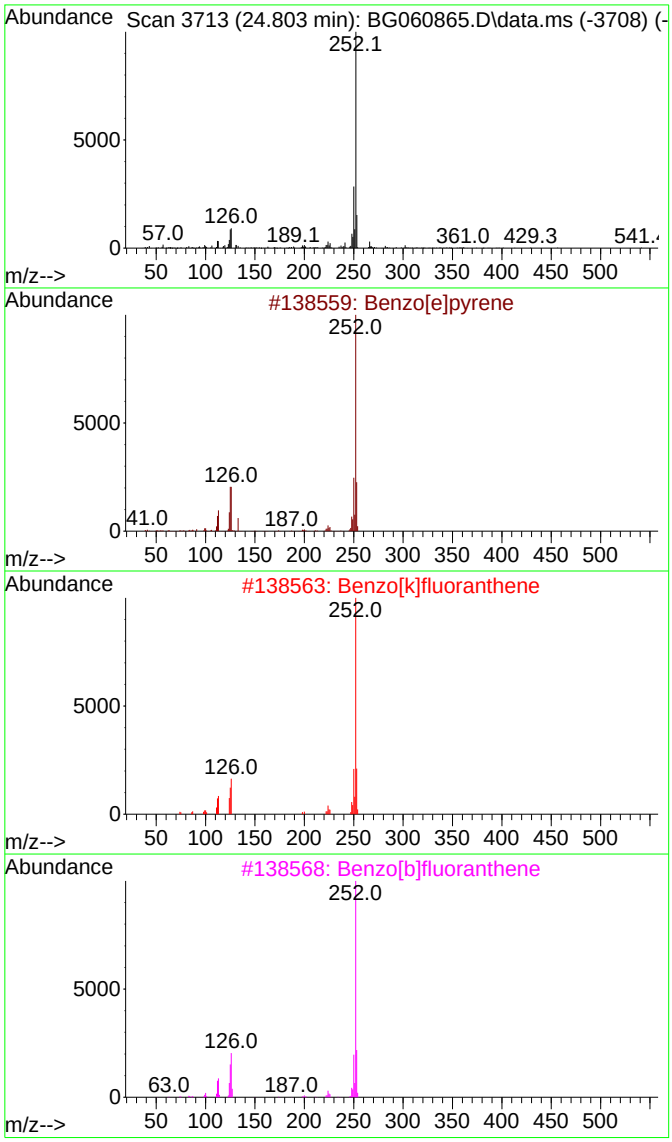
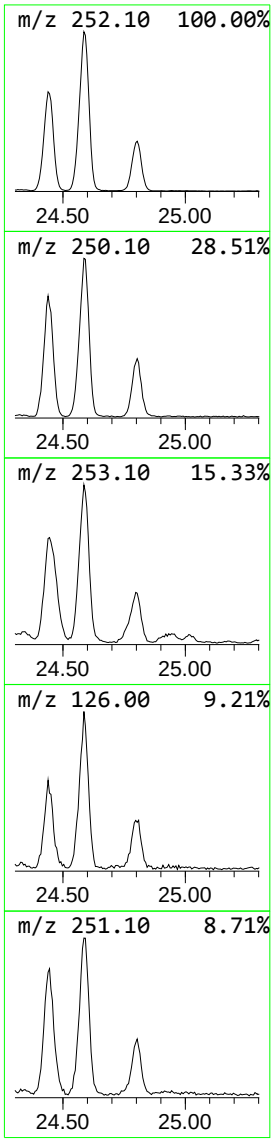
Peak Number 11 Benzo[j]fluoranthene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.803	18.28 ng	1200940	Perylene-d12	24.733

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	81
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	76
5	Benzo[a]pyrene	252	C20H12	000050-32-8	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041124\
Data File : BG060865.D
Acq On : 11 Apr 2024 18:56
Operator : MA/JU
Sample : P2070-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.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
Butane, 2-metho...	3.170	6.8	ng	138930	1	7.946	406676	20.0
n-Hexadecanoic ...	18.234	8.4	ng	449041	4	17.324	1073420	20.0
Thiophene-3-car...	18.399	3.3	ng	178505	4	17.324	1073420	20.0
Phenanthrene, 1...	19.116	2.4	ng	125971	4	17.324	1073420	20.0
Cyclopenta(def)...	19.257	2.6	ng	140030	4	17.324	1073420	20.0
11H-Benzo[b]flu...	20.238	2.4	ng	448596	5	21.589	3713100	20.0
Benzo[ghi]fluor...	21.266	3.8	ng	712325	5	21.589	3713100	20.0
7H-Benzo[c]carb...	21.983	2.4	ng	444114	5	21.589	3713100	20.0
Perylene	23.986	12.0	ng	787099	6	24.733	1313730	20.0
Benzo[e]pyrene	24.439	31.1	ng	2040510	6	24.733	1313730	20.0
Benzo[j]fluoran...	24.803	18.3	ng	1200940	6	24.733	1313730	20.0