LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
Data File : BG057523.D
Acq On : 23 May 2023 17:19
Operator : CG/JU
Sample : 02891-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 290-328

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-BG042723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG057523.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.384	309	314	322	rBB	20592	30461	1.94%	0.187%
2	5.872	390	397	406	rBV	222079	365257	23.21%	2.243%
3	7.499	667	674	686	rBV	251668	448129	28.47%	2.752%
4	8.351	813	819	827	rBV	74819	129840	8.25%	0.797%
5	9.532	1013	1020	1030	rBV	171937	310726	19.74%	1.908%
6	11.188	1294	1302	1308	rBV	105487	184572	11.73%	1.133%
7	13.591	1704	1711	1720	rBV	464176	687917	43.71%	4.224%
8	14.813	1913	1919	1924	rVB2	12055	17685	1.12%	0.109%
9	14.971	1940	1946	1952	rVB	170241	265929	16.90%	1.633%
10	15.759	2071	2080	2085	rVB5	9615	16262	1.03%	0.100%
11	16.011	2117	2123	2133	rVB2	11368	20305	1.29%	0.125%
12	16.305	2167	2173	2177	rVB3	11409	18297	1.16%	0.112%
13	16.452	2192	2198	2206	rBV	310304	480699	30.54%	2.952%
14	17.010	2285	2293	2297	rVB4	7495	16559	1.05%	0.102%
15	17.527	2376	2381	2387	rBV2	14686	21807	1.39%	0.134%
16	17.709	2405	2412	2415	rBV	224699	340569	21.64%	2.091%
17	17.750	2415	2419	2426	rVB	294374	439191	27.91%	2.697%
18	17.838	2429	2434	2440	rBV	114784	173621	11.03%	1.066%
19	18.108	2474	2480	2483	rBV3	16060	31181	1.98%	0.191%
20	18.543	2550	2554	2556	rBV3	39417	51262	3.26%	0.315%
21	18.573	2556	2559	2563	rVB	55262	76643	4.87%	0.471%
22	18.620	2563	2567	2575	rVB	88315	132715	8.43%	0.815%
23	18.702	2575	2581	2586	rBV	41960	68881	4.38%	0.423%
24	18.772	2586	2593	2597	rBV3	104300	208748	13.26%	1.282%
25	19.054	2637	2641	2647	rBV	69155	100830	6.41%	0.619%
26	19.113	2647	2651	2658	rVB3	19628	31316	1.99%	0.192%
27	19.301	2675	2683	2687	rBV4	30629	57689	3.67%	0.354%
28	19.354	2688	2692	2695	rVV	23215	29778	1.89%	0.183%
29	19.389	2695	2698	2702	rVB	23995	31479	2.00%	0.193%
30	19.471	2705	2712	2716	rBV	68820	115192	7.32%	0.707%
31	19.530	2717	2722	2726	rBV3	19964	44688	2.84%	0.274%
32	19.606	2731	2735	2742	rBV4	23170	57351	3.64%	0.352%
33	19.747	2750	2759	2764	rBV	1042781	1573832	100.00%	9.664%
34	19.830	2770	2773	2777	rVB4	18965	25741	1.64%	0.158%
35	19.988	2792	2800	2807	rVB5	45683	119264	7.58%	0.732%
36	20.065	2807	2813	2816	rBV2	206906	364696	23.17%	2.239%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
Data File : BG057523.D
Acq On : 23 May 2023 17:19
Operator : CG/JU
Sample : 02891-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 290-328

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-BG042723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	20.106	2816	2820	2826	rVV	892502	1255232	79.76%	7.708%
38	20.164	2826	2830	2835	rVB	74125	112097	7.12%	0.688%
39	20.241	2836	2843	2844	rBV4	18801	36353	2.31%	0.223%
40	20.276	2844	2849	2854	rVB	738129	946630	60.15%	5.813%
41	20.423	2865	2874	2879	rBV3	69264	168572	10.71%	1.035%
42	20.476	2880	2883	2886	rVV3	16234	24331	1.55%	0.149%
43	20.582	2889	2901	2909	rVB	177545	388091	24.66%	2.383%
44	20.681	2909	2918	2922	rBV	170268	266562	16.94%	1.637%
45	20.740	2922	2928	2932	rVV2	85107	184949	11.75%	1.136%
46	20.775	2932	2934	2938	rVV2	47684	59928	3.81%	0.368%
47	20.817	2938	2941	2949	rVV5	22224	42590	2.71%	0.262%
48	20.887	2949	2953	2957	rVV	57732	93017	5.91%	0.571%
49	20.934	2957	2961	2972	rVB2	68432	146051	9.28%	0.897%
50	21.040	2973	2979	2982	rBV6	26794	47580	3.02%	0.292%
51	21.322	3022	3027	3031	rBV6	29230	58963	3.75%	0.362%
52	21.369	3031	3035	3041	rVB	46372	82126	5.22%	0.504%
53	21.568	3065	3069	3073	rBV	93251	153633	9.76%	0.943%
54	21.610	3074	3076	3081	rVB	74295	97302	6.18%	0.597%
55	21.668	3081	3086	3091	rBV2	72663	136404	8.67%	0.838%
56	21.839	3110	3115	3119	rBV	71751	120673	7.67%	0.741%
57	21.997	3135	3142	3150	rBV2	438987	1138049	72.31%	6.988%
58	22.068	3150	3154	3164	rVB	340310	591527	37.59%	3.632%
59	22.150	3165	3168	3170	rBV3	19171	24506	1.56%	0.150%
60	22.232	3177	3182	3191	rBV	79975	164171	10.43%	1.008%
61	22.309	3191	3195	3196	rBV3	17999	25261	1.61%	0.155%
62	22.455	3215	3220	3226	rVB4	40612	85786	5.45%	0.527%
63	22.708	3259	3263	3268	rBV5	16624	37557	2.39%	0.231%
64	22.796	3270	3278	3283	rVV	74829	177963	11.31%	1.093%
65	22.873	3287	3291	3297	rVB2	33921	63832	4.06%	0.392%
66	23.096	3324	3329	3334	rBV4	27854	64582	4.10%	0.397%
67	23.237	3348	3353	3360	rVB5	29545	67992	4.32%	0.418%
68	23.536	3400	3404	3406	rBV5	16076	26085	1.66%	0.160%
69	24.400	3542	3551	3559	rBV	178625	638668	40.58%	3.922%
70	24.682	3592	3599	3606	rVB2	35318	86287	5.48%	0.530%
71	24.899	3631	3636	3638	rBV5	11581	21949	1.39%	0.135%
72	25.187	3677	3685	3697	rVB	99223	303499	19.28%	1.864%
73	25.346	3703	3712	3727	rVB	160636	451657	28.70%	2.773%
74	25.516	3732	3741	3749	rBV	117136	334884	21.28%	2.056%
75	29.552	4417	4428	4447	rVB4	50842	259779	16.51%	1.595%
76	30.233	4537	4544	4547	rBV8	11234	29140	1.85%	0.179%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
Data File : BG057523.D
Acq On : 23 May 2023 17:19
Operator : CG/JU
Sample : 02891-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
290-328

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-BG042723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	30.821	4630	4644	4657	rBV2	37757	182114	11.57%	1.118%

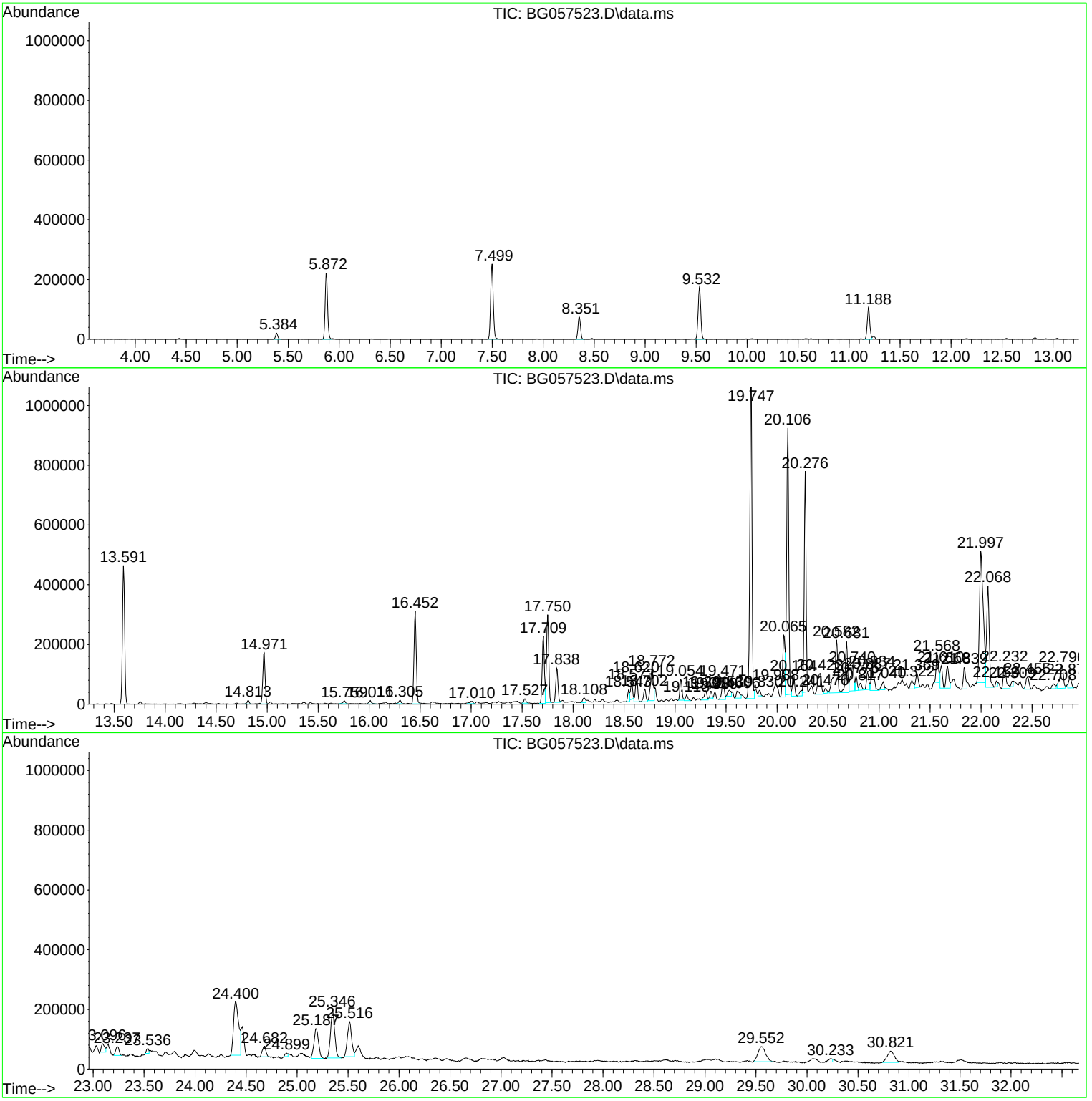
Sum of corrected areas: 16285484

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
Data File : BG057523.D
Acq On : 23 May 2023 17:19
Operator : CG/JU
Sample : 02891-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
290-328

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.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\BG052323\
Data File : BG057523.D
Acq On : 23 May 2023 17:19
Operator : CG/JU
Sample : 02891-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
290-328

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

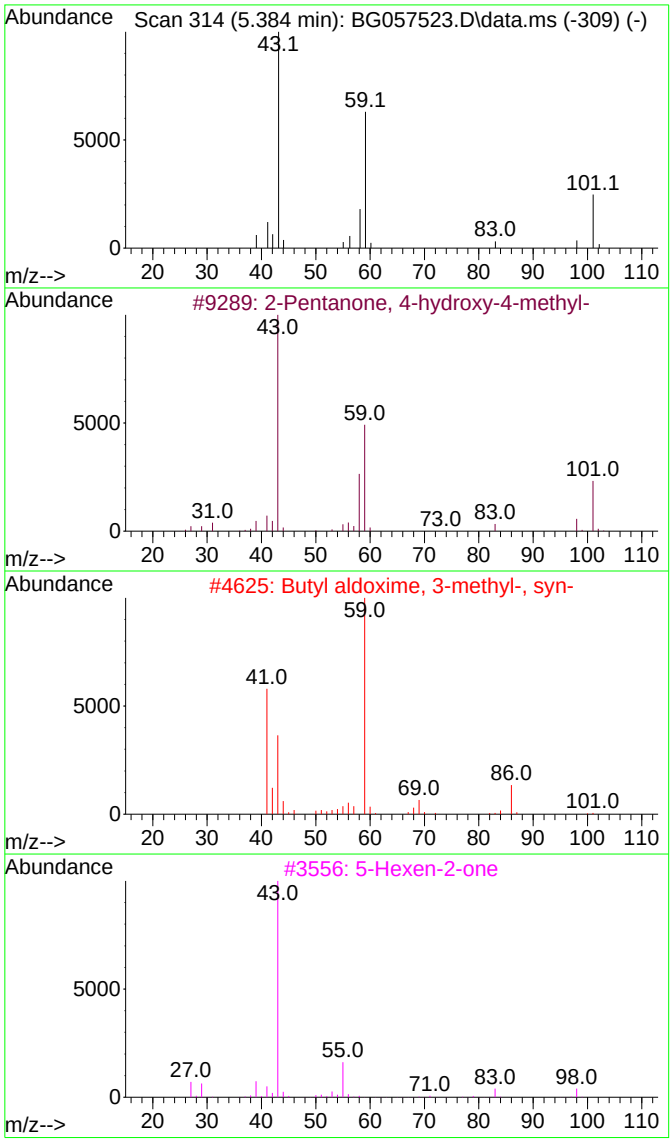
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

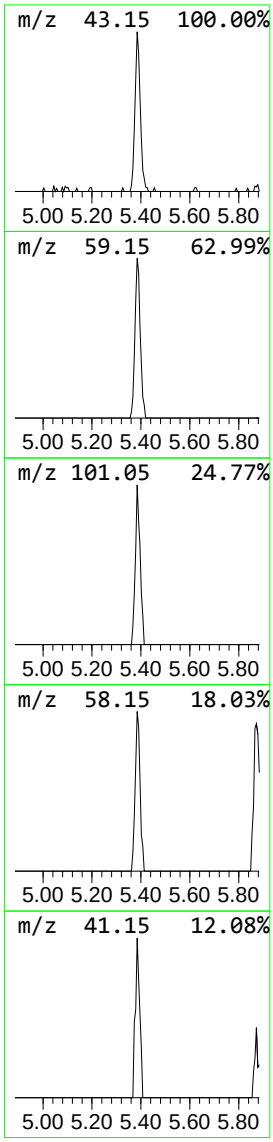
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.384	4.69 ng	30461	1,4-Dichlorobenzene-d4	8.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	17
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	Acetone	58	C3H6O	000067-64-1	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
Data File : BG057523.D
Acq On : 23 May 2023 17:19
Operator : CG/JU
Sample : 02891-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
290-328

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

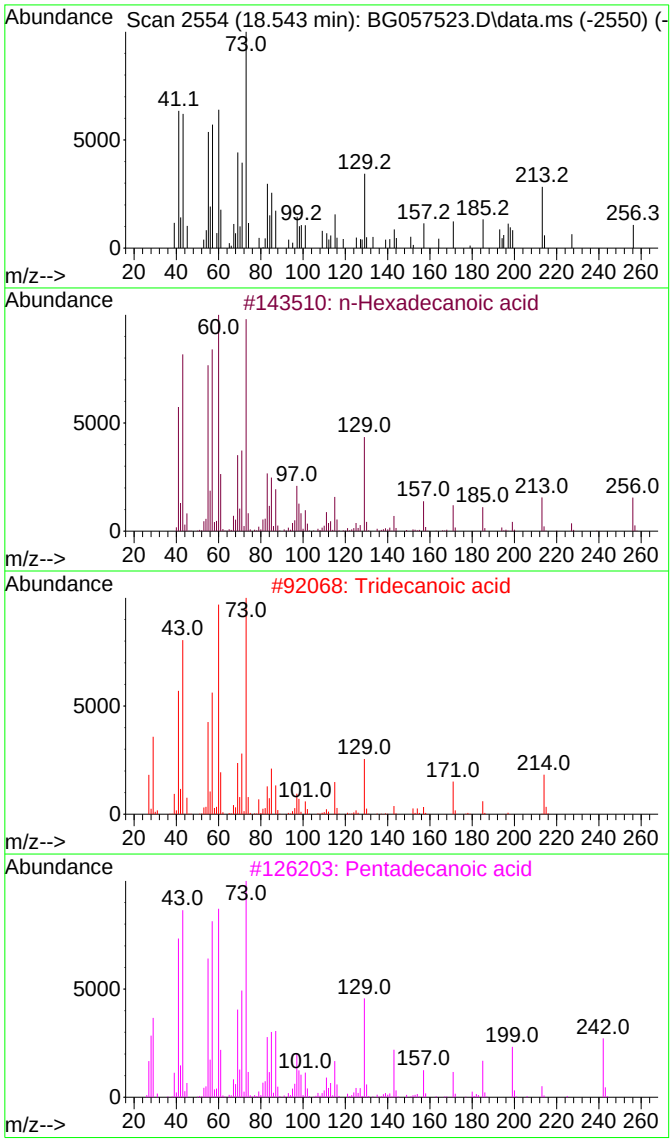
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

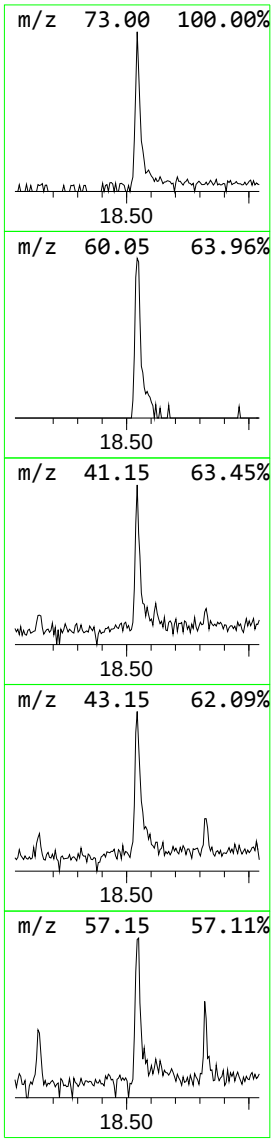
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.543	3.01 ng	51262	Phenanthrene-d10	17.709

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	Tridecanoic acid	214	C13H26O2	000638-53-9	64
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	58
4	Dodecanoic acid	200	C12H24O2	000143-07-7	49
5	Ether, dodecyl isopropyl	228	C15H32O	029379-42-8	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
Data File : BG057523.D
Acq On : 23 May 2023 17:19
Operator : CG/JU
Sample : 02891-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
290-328

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

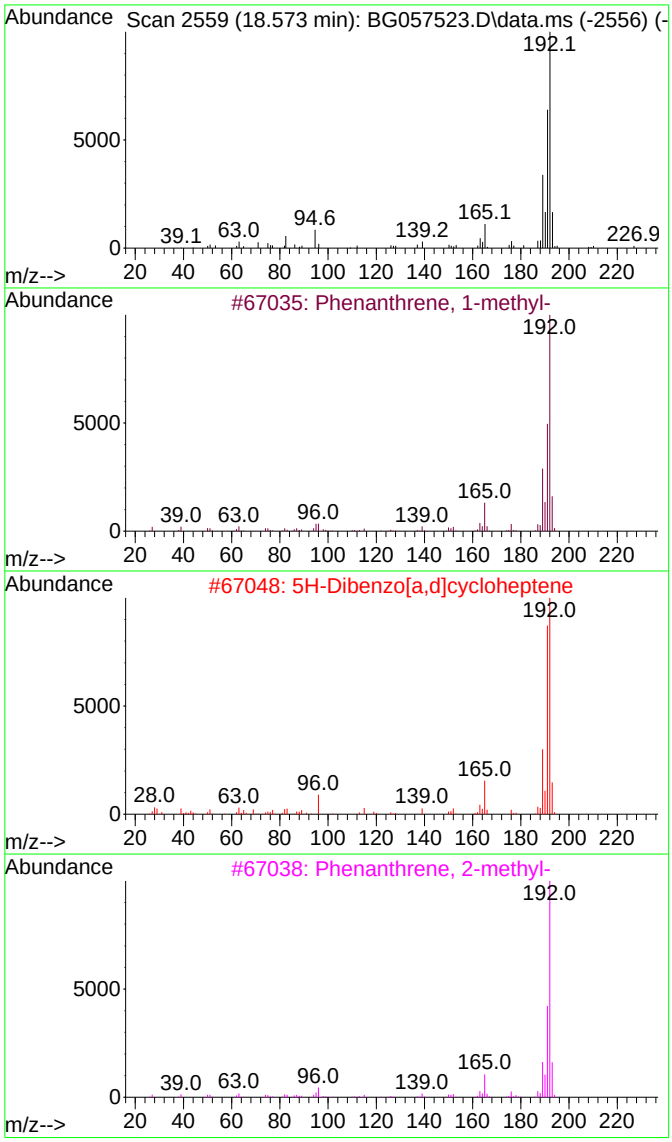
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

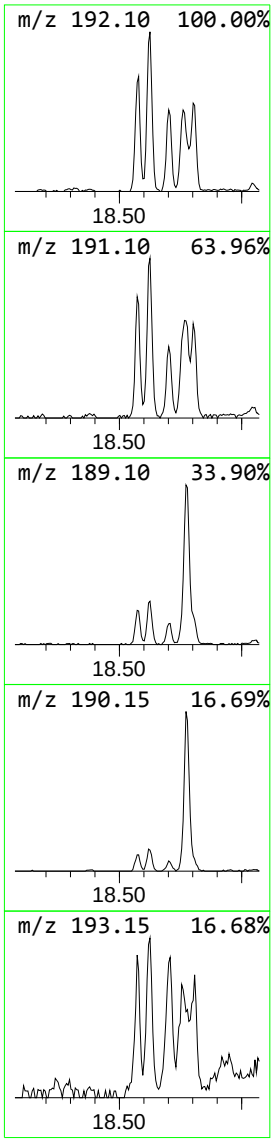
****

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.573	4.50 ng	76643	Phenanthrene-d10	17.709

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
Data File : BG057523.D
Acq On : 23 May 2023 17:19
Operator : CG/JU
Sample : 02891-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
290-328

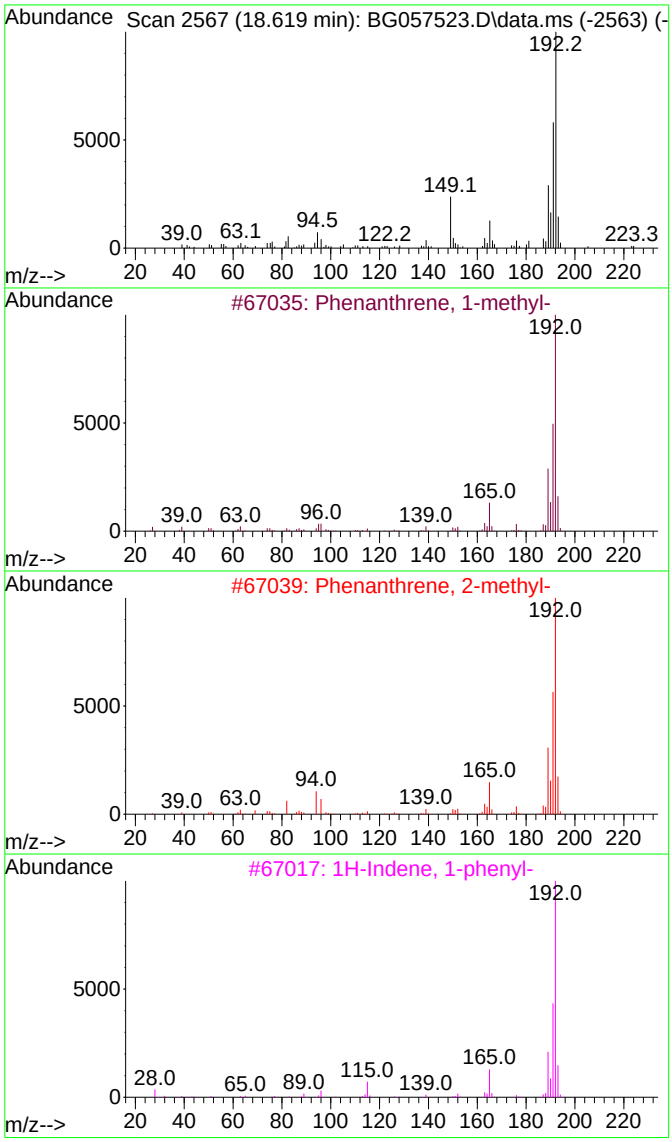
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

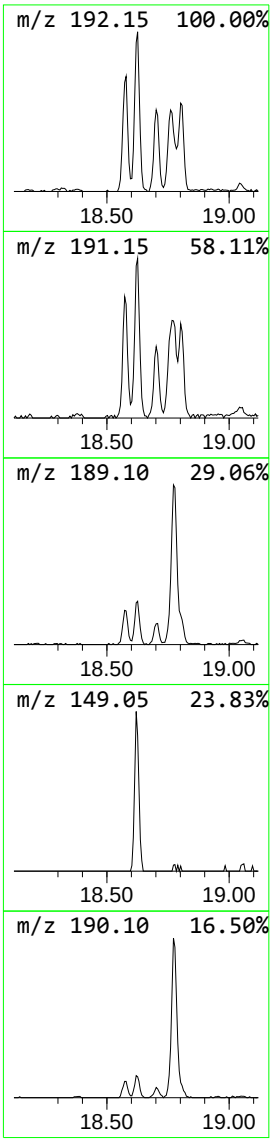
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.619	7.79 ng	132715	Phenanthrene-d10	17.709

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
Data File : BG057523.D
Acq On : 23 May 2023 17:19
Operator : CG/JU
Sample : 02891-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
290-328

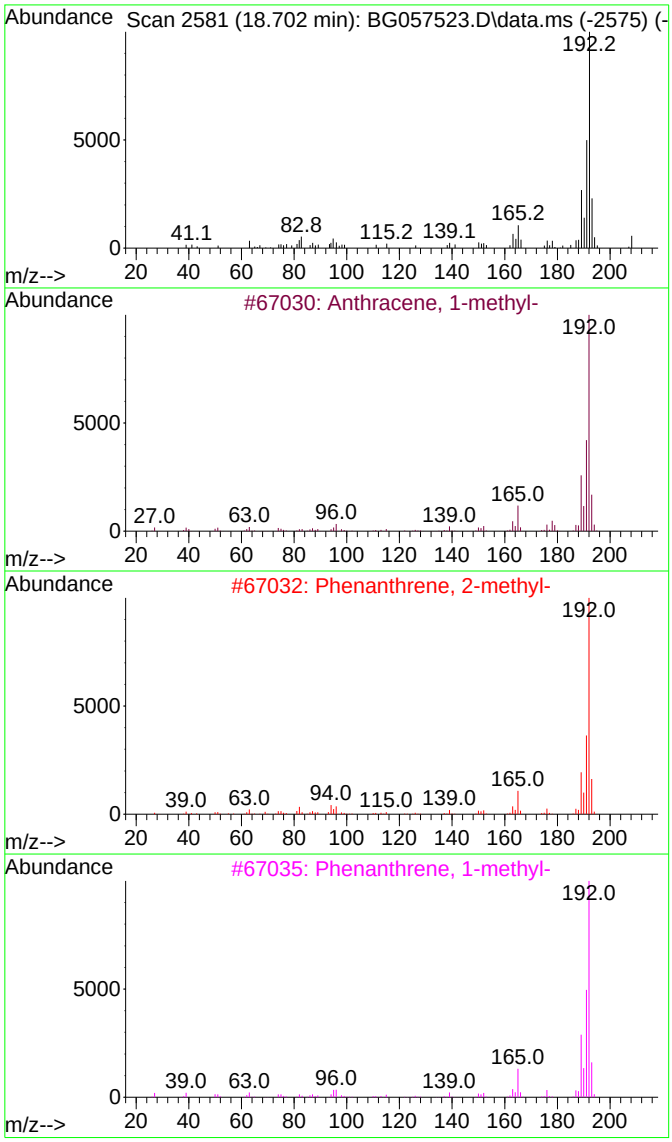
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

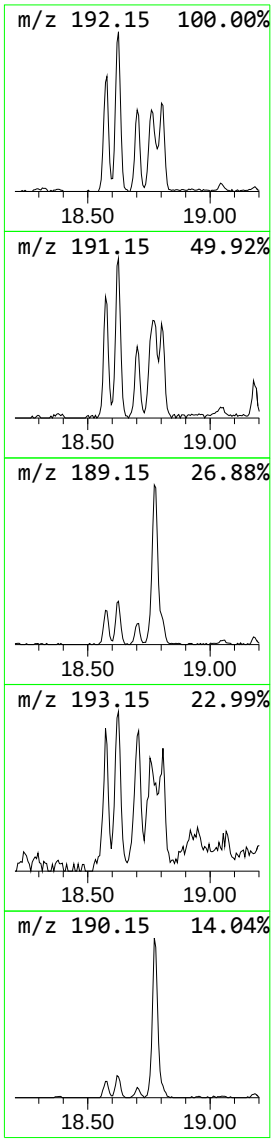
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Anthracene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.702	4.05 ng	68881	Phenanthrene-d10	17.709

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	83
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
Data File : BG057523.D
Acq On : 23 May 2023 17:19
Operator : CG/JU
Sample : 02891-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
290-328

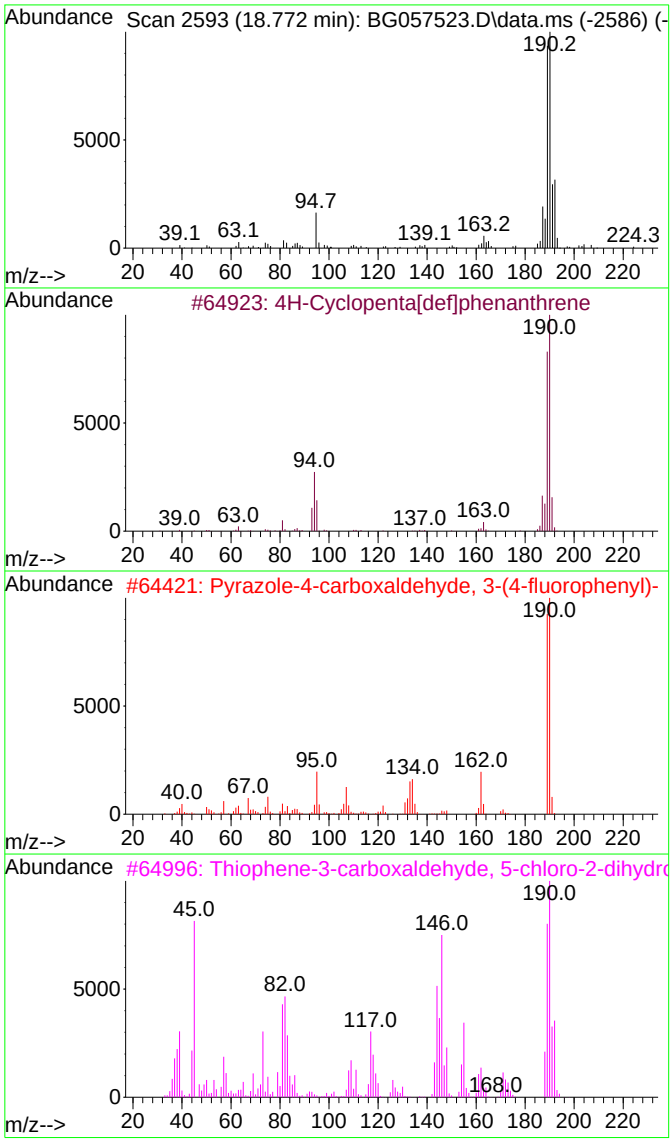
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

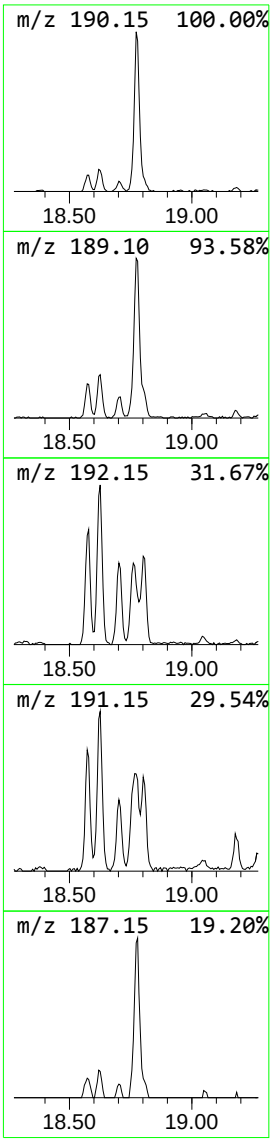
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.772	12.26 ng	208748	Phenanthrene-d10	17.709

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	53
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	32





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
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Acq On : 23 May 2023 17:19
Operator : CG/JU
Sample : 02891-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
290-328

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.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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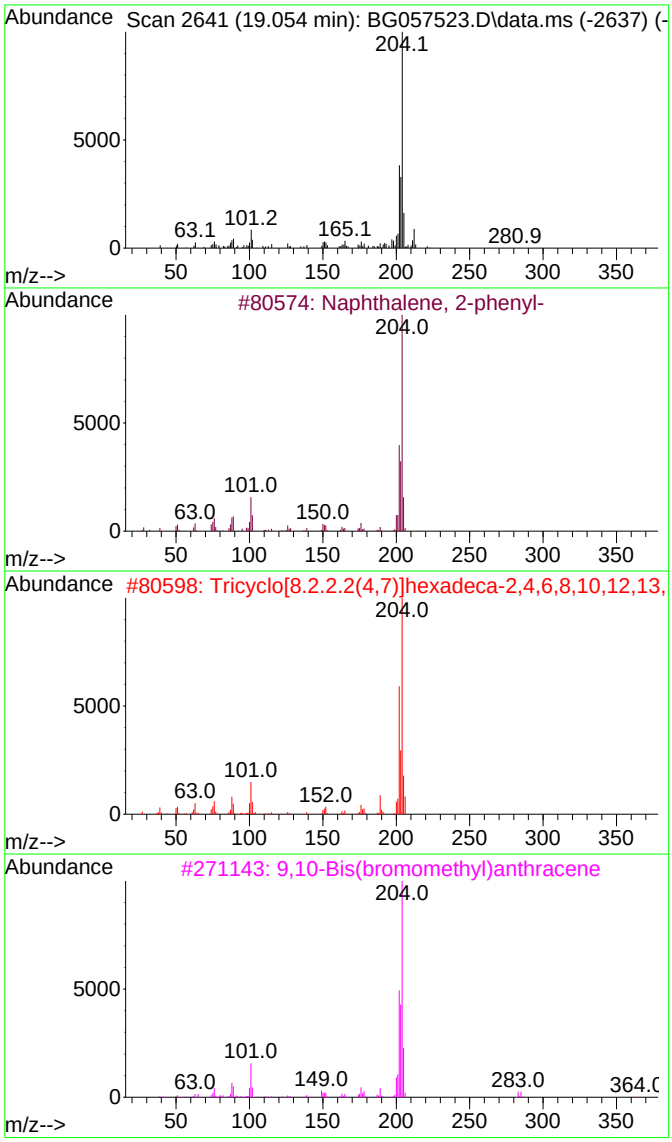
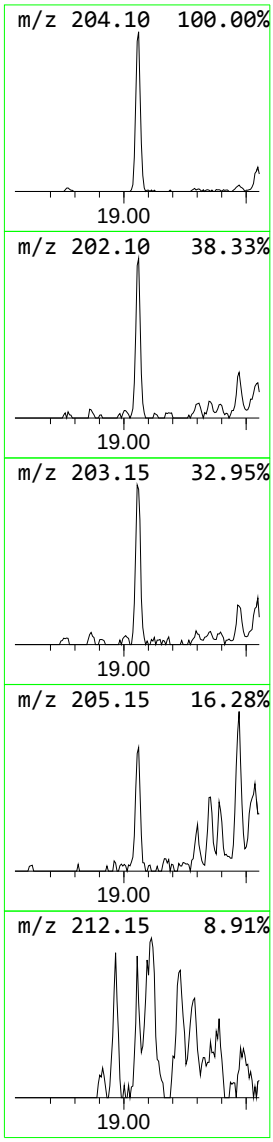
Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.054	5.92 ng	100830	Phenanthrene-d10	17.709

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	64
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49
5	Pyrene, 4,5-dihydro-	204	C16H12	006628-98-4	43





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Sample : 02891-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.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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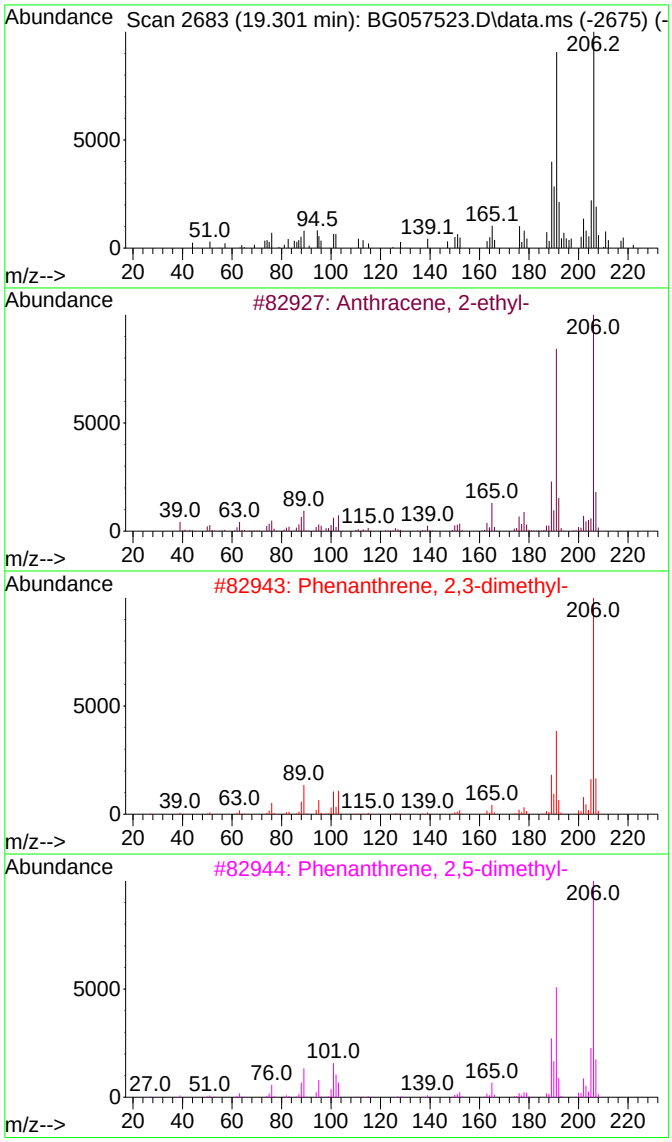
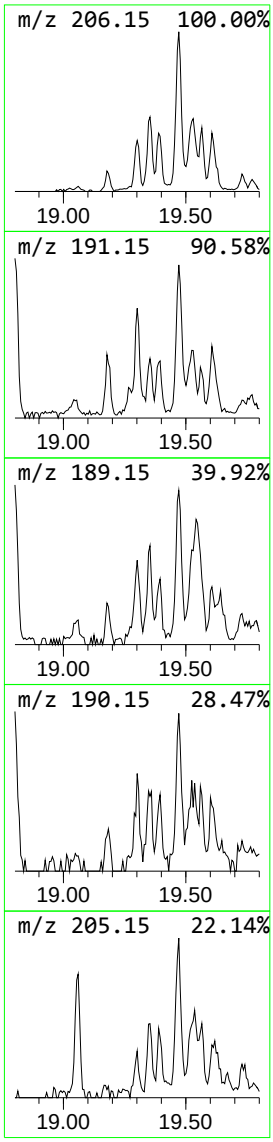
Peak Number 8 Anthracene, 2-ethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.301	3.39 ng	57689	Phenanthrene-d10	17.709

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	92
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	90
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90





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Operator : CG/JU
Sample : 02891-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
290-328

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.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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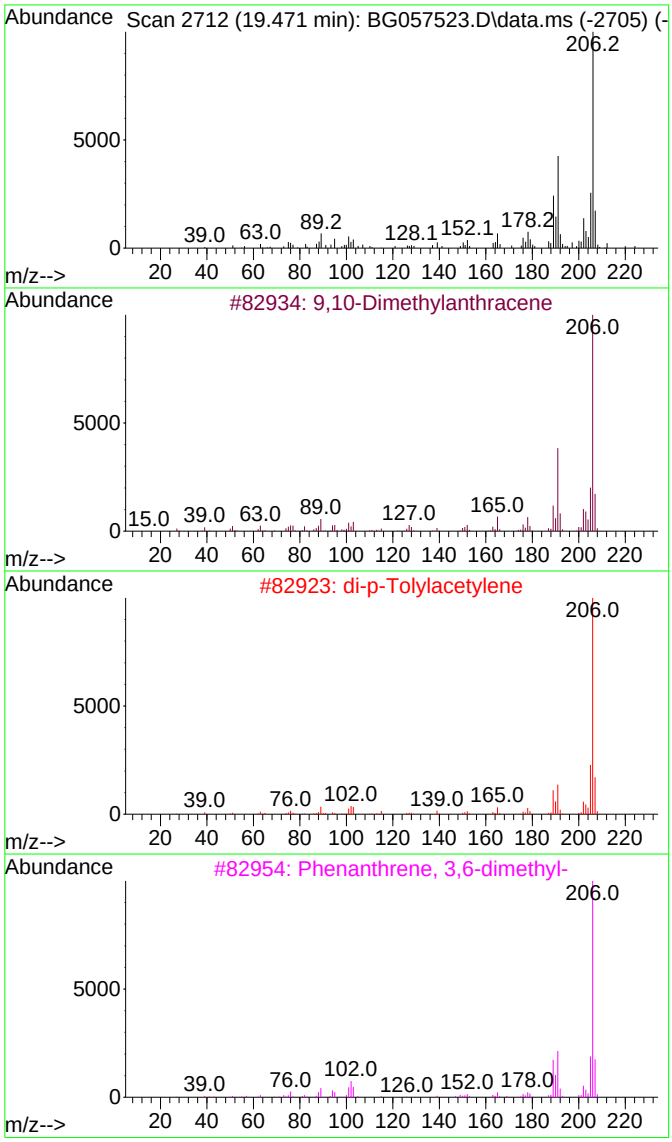
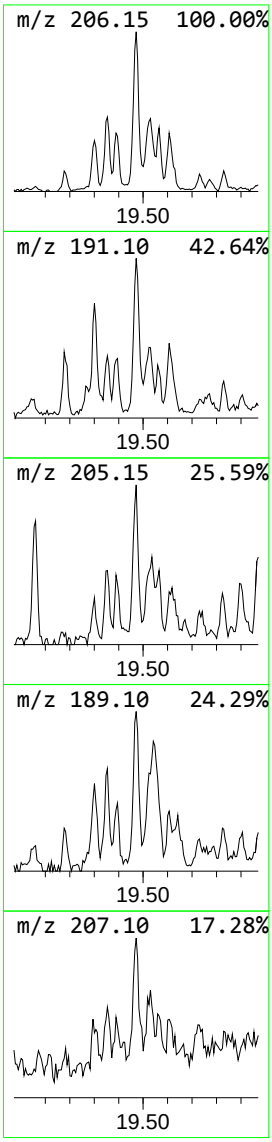
Peak Number 9 9,10-Dimethylanthracene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.471	6.76 ng	115192	Phenanthrene-d10	17.709

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90





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Acq On : 23 May 2023 17:19
Operator : CG/JU
Sample : 02891-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
290-328

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.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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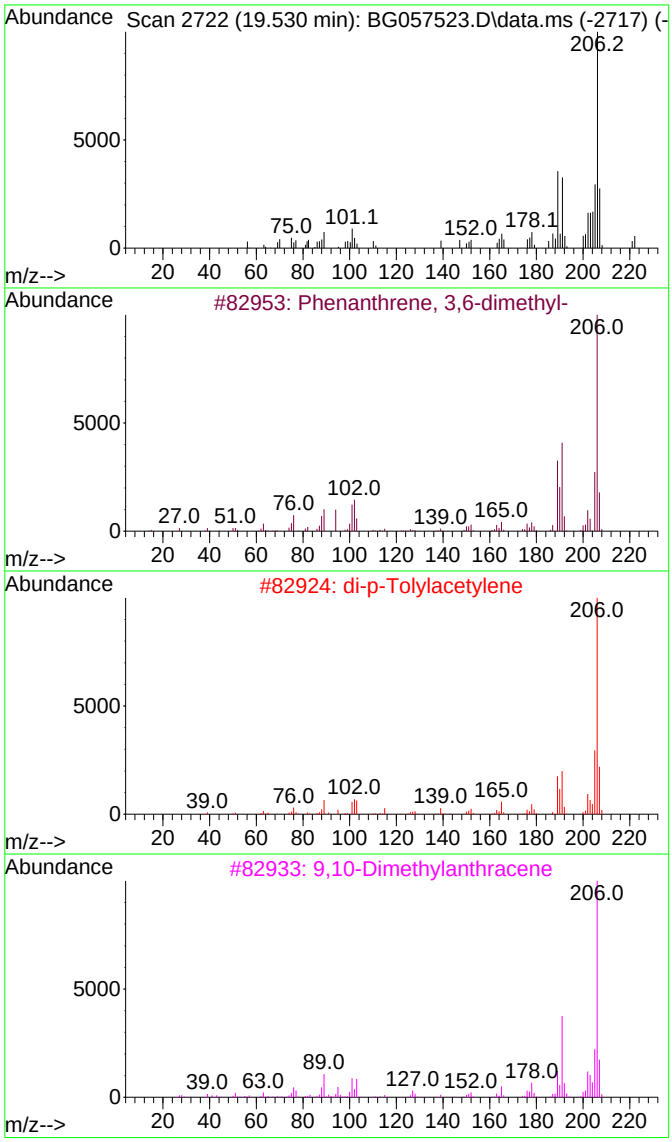
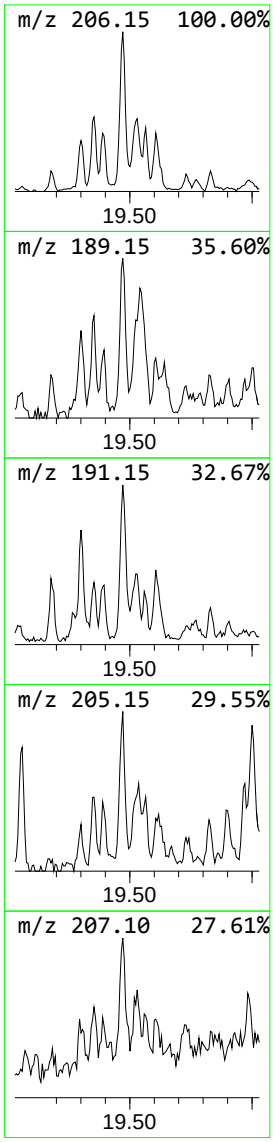
Peak Number 10 Phenanthrene, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.530	2.62 ng	44688	Phenanthrene-d10	17.709

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	80
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	70
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	68
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	64





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Acq On : 23 May 2023 17:19
Operator : CG/JU
Sample : 02891-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
290-328

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.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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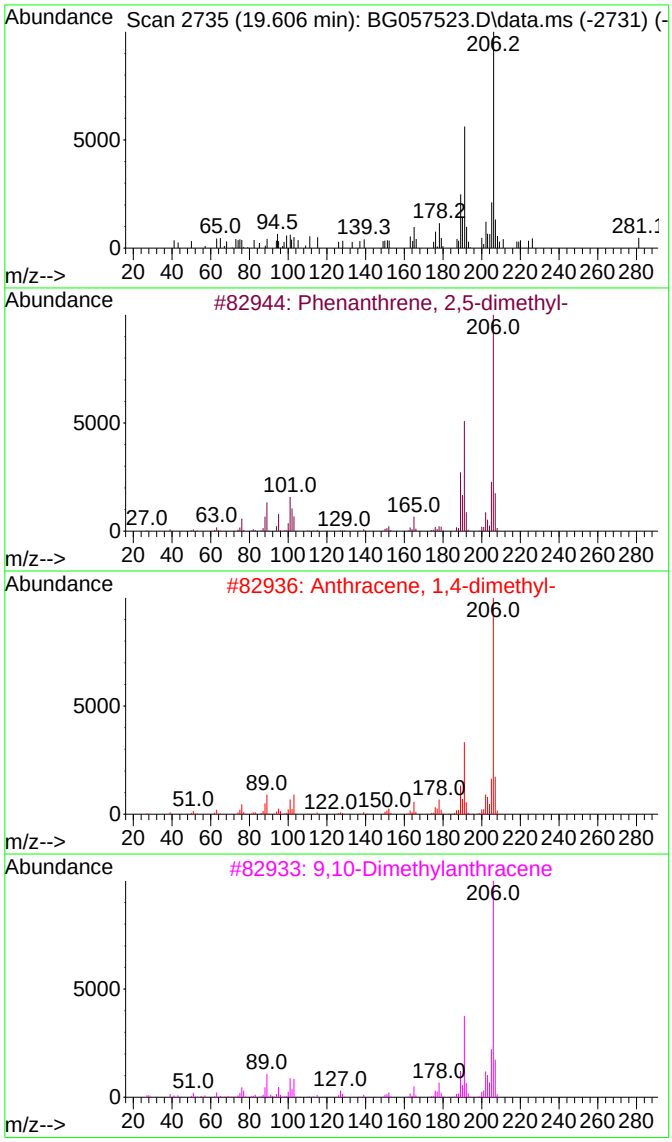
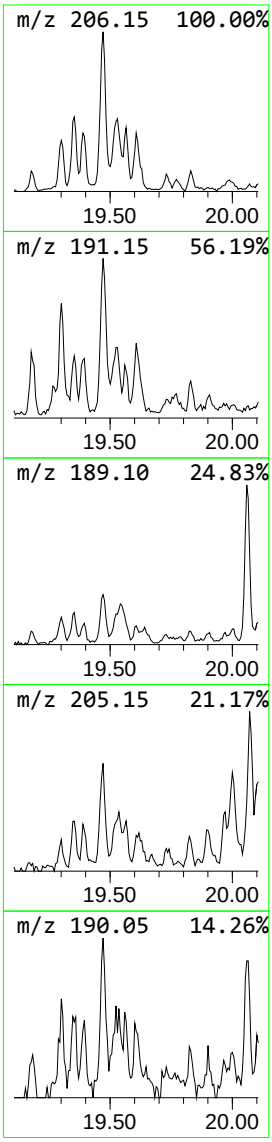
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.606	3.37 ng	57351	Phenanthrene-d10	17.709

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	87
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87





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Operator : CG/JU
Sample : 02891-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.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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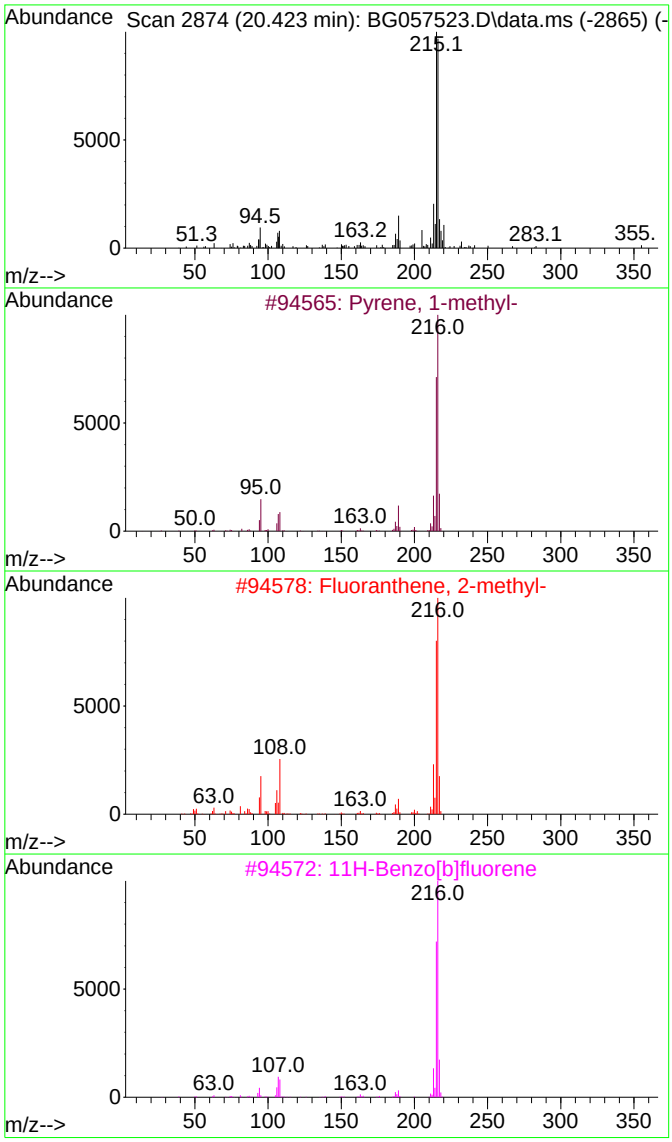
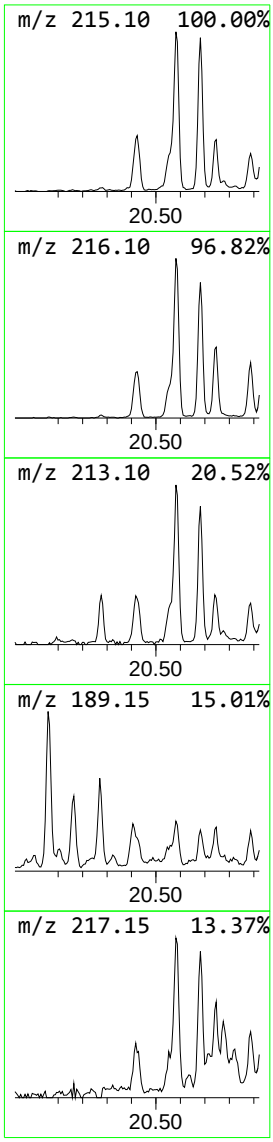
Peak Number 12 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.423	2.96 ng	168572	Chrysene-d12	22.021

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	72
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	62





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Operator : CG/JU
Sample : 02891-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
290-328

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.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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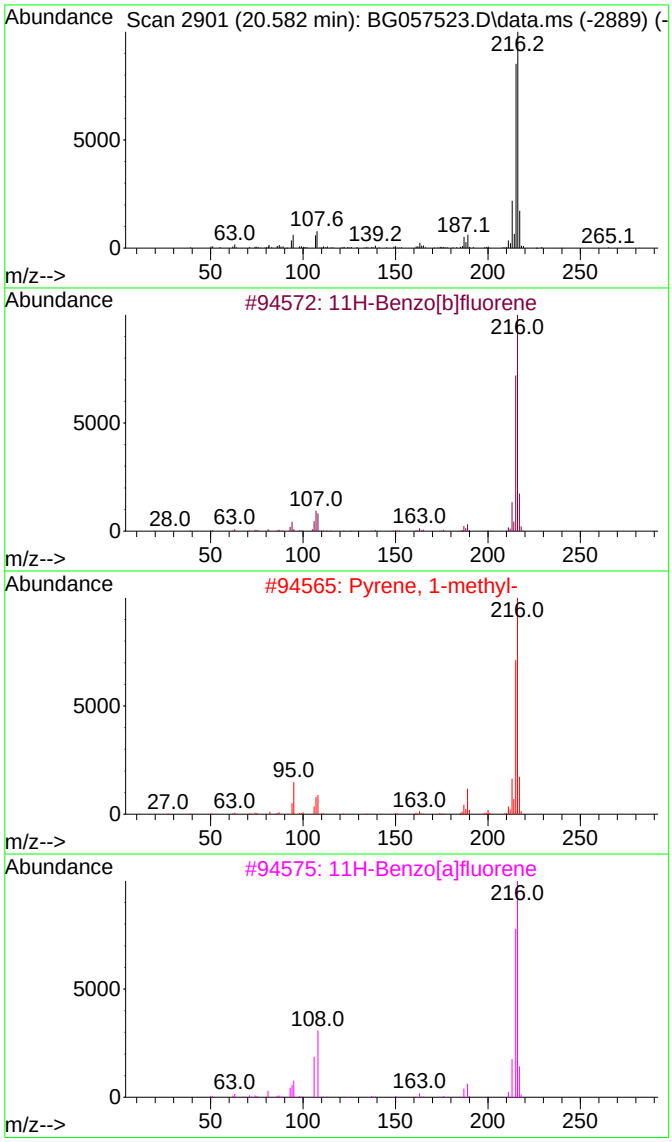
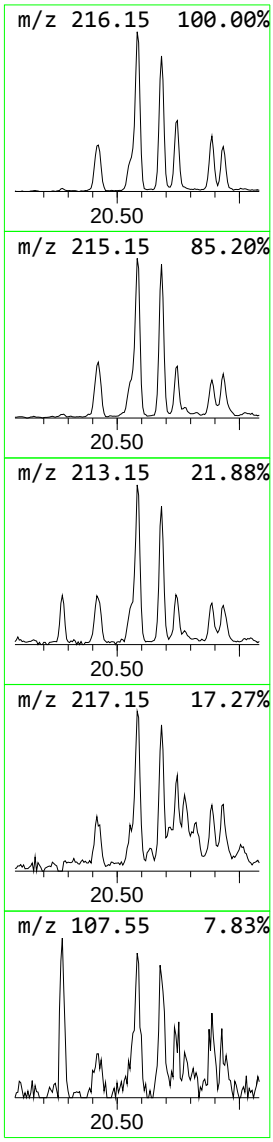
Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.581	6.82 ng	388091	Chrysene-d12	22.021

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83





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Sample : 02891-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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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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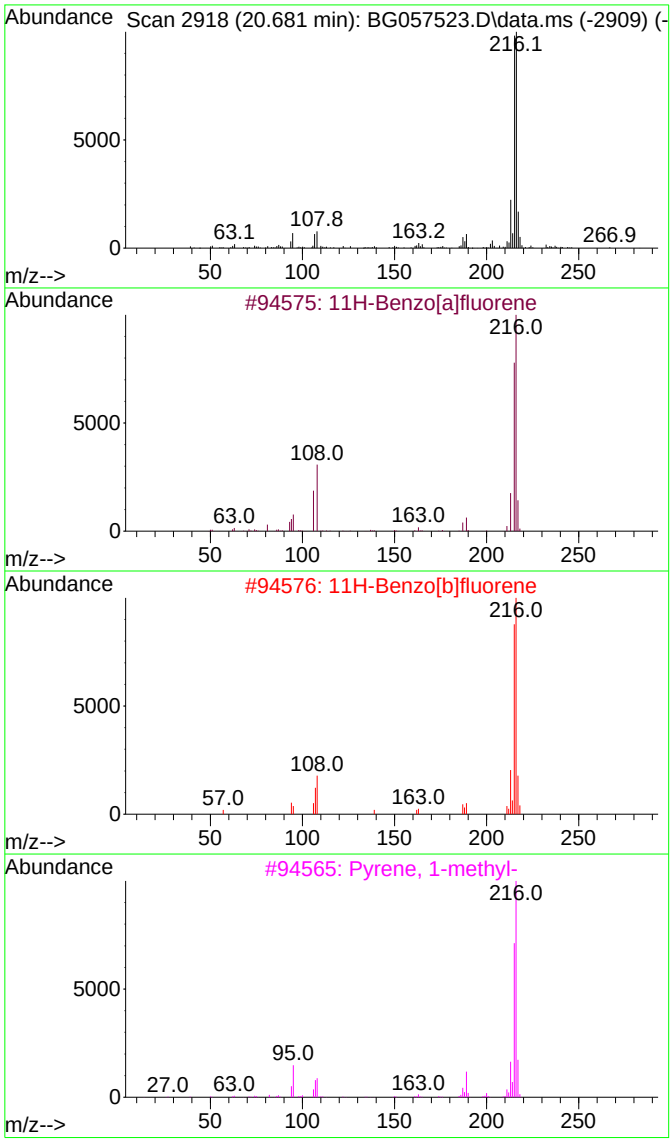
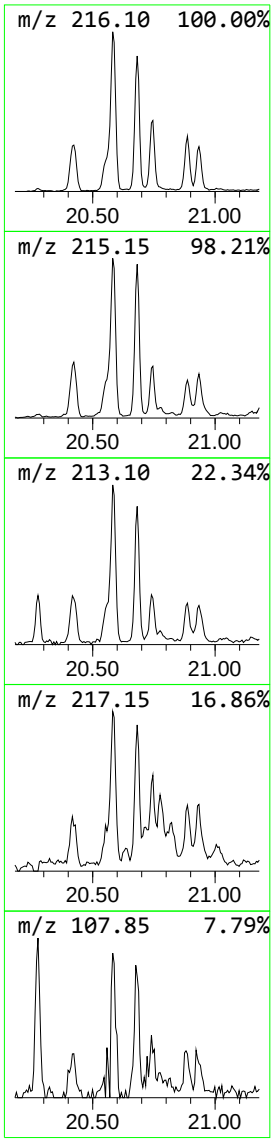
Peak Number 14 11H-Benzo[a]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.681	4.68 ng	266562	Chrysene-d12	22.021

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





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Sample : 02891-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.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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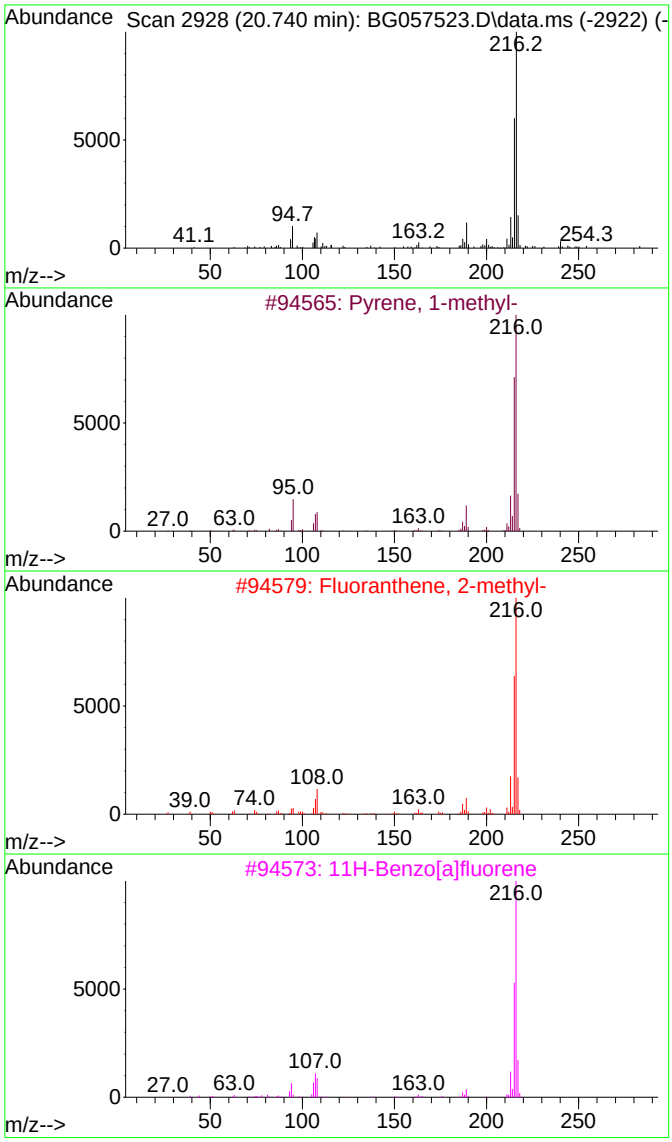
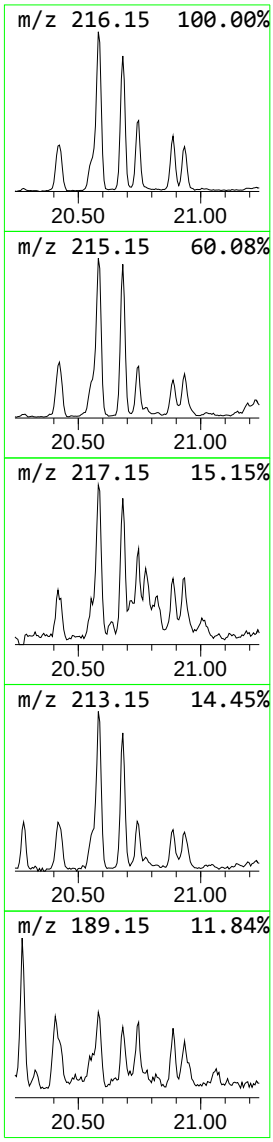
Peak Number 15 Fluoranthene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.740	3.25 ng	184949	Chrysene-d12	22.021

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90





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Sample : 02891-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
290-328

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.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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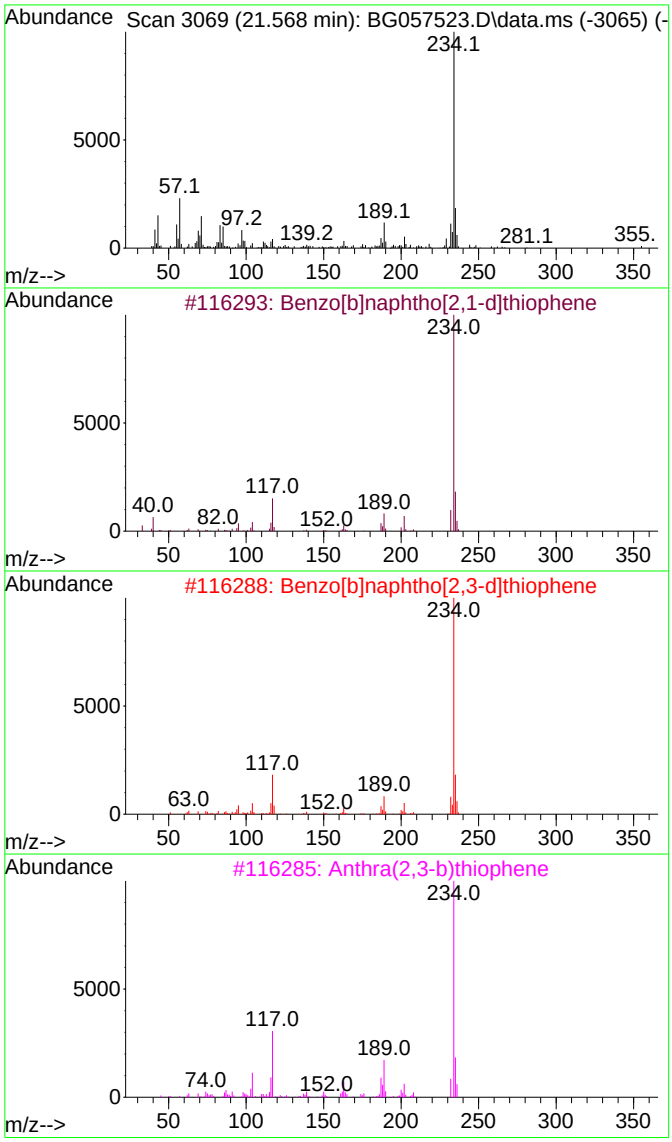
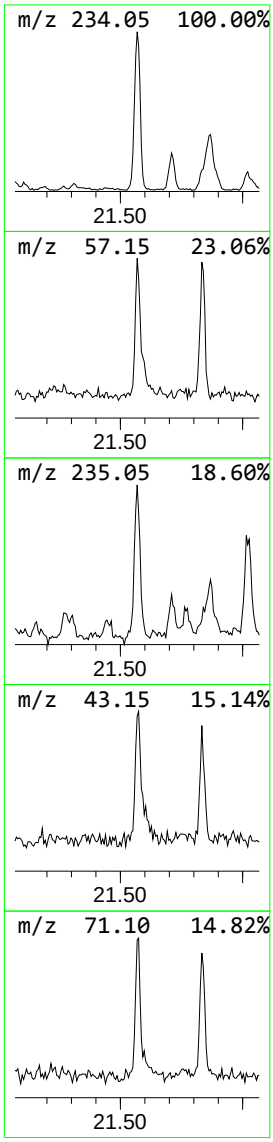
Peak Number 16 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.569	2.70 ng	153633	Chrysene-d12	22.021

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87
3	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	81
4	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	68
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	68





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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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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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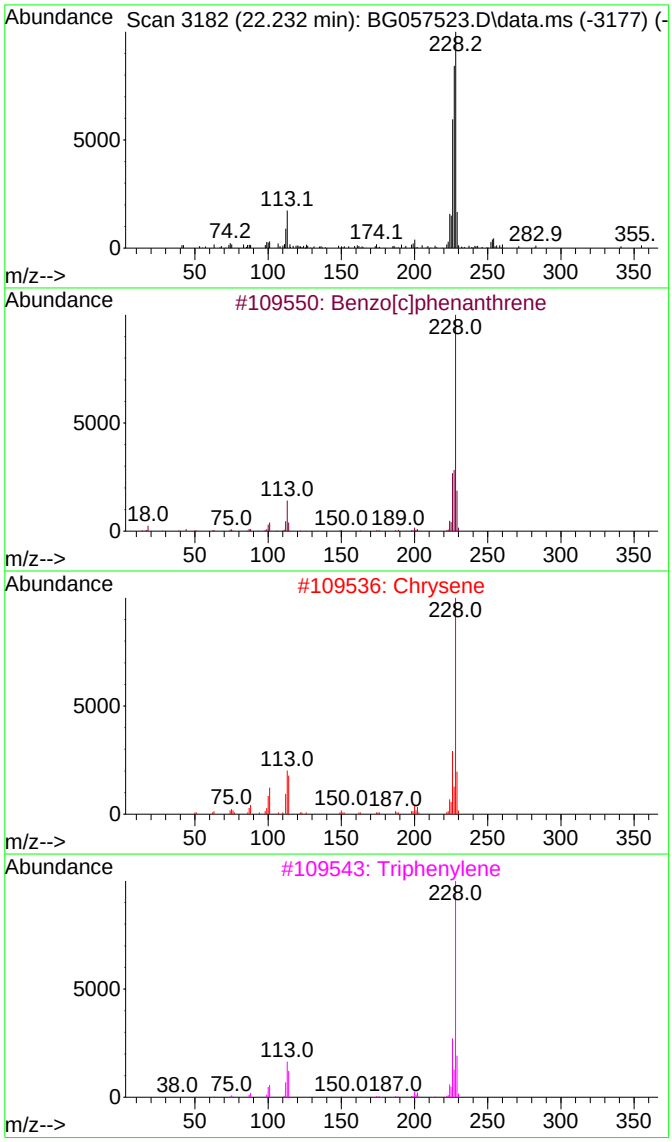
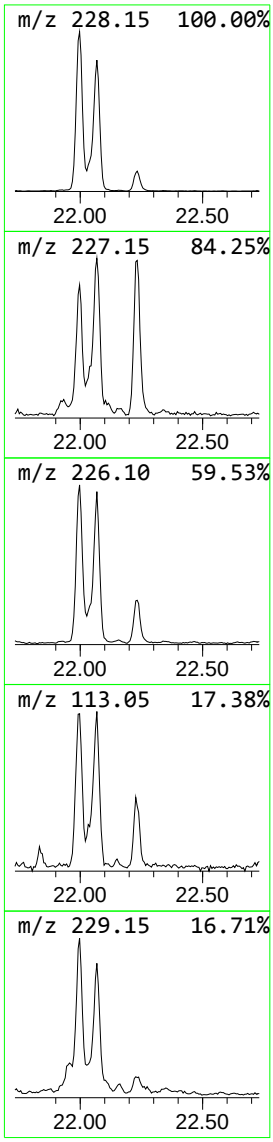
Peak Number 17 Benzo[c]phenanthrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.232	2.89 ng	164171	Chrysene-d12	22.021

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	43
2	Chrysene	228	C18H12	000218-01-9	38
3	Triphenylene	228	C18H12	000217-59-4	38
4	Benz[a]anthracene	228	C18H12	000056-55-3	38
5	2-Nitrophenyl selenocyanate	228	C7H4N2O2Se	051694-22-5	32





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Operator : CG/JU
Sample : 02891-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
290-328

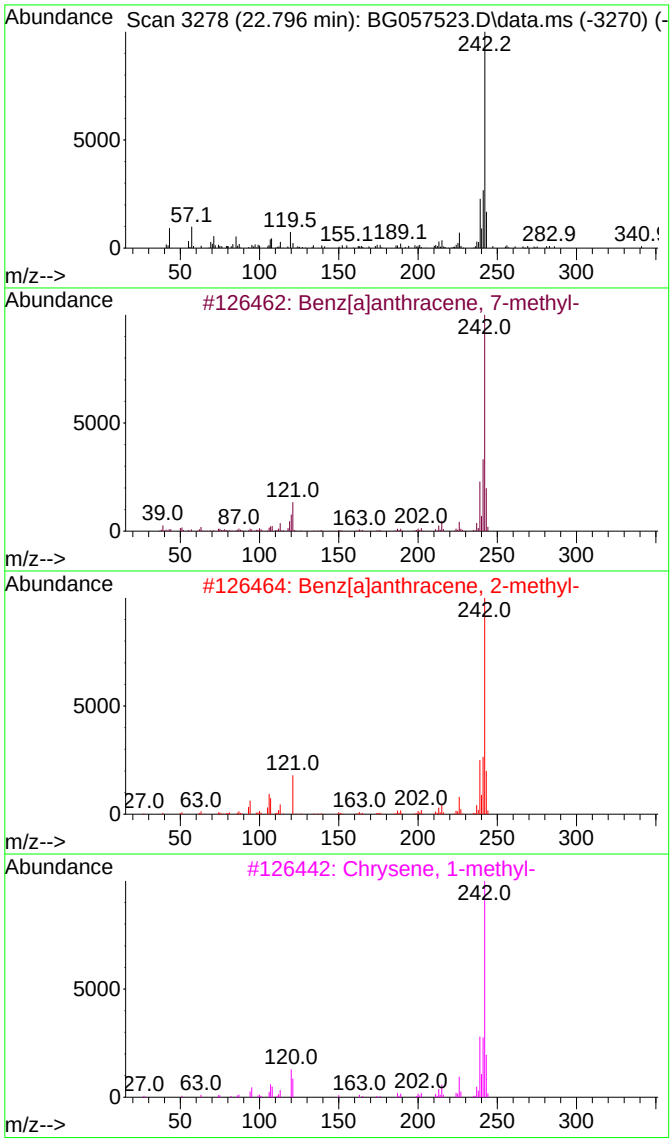
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

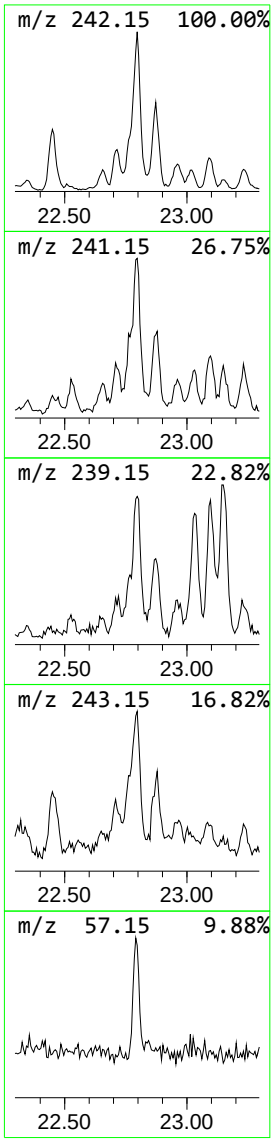
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Benz[a]anthracene, 7-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.796	3.13 ng	177963	Chrysene-d12	22.021

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
2	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	91
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	83
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	83
5	2-Methylchrysene	242	C19H14	003351-32-4	83





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Data File : BG057523.D
Acq On : 23 May 2023 17:19
Operator : CG/JU
Sample : 02891-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
290-328

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

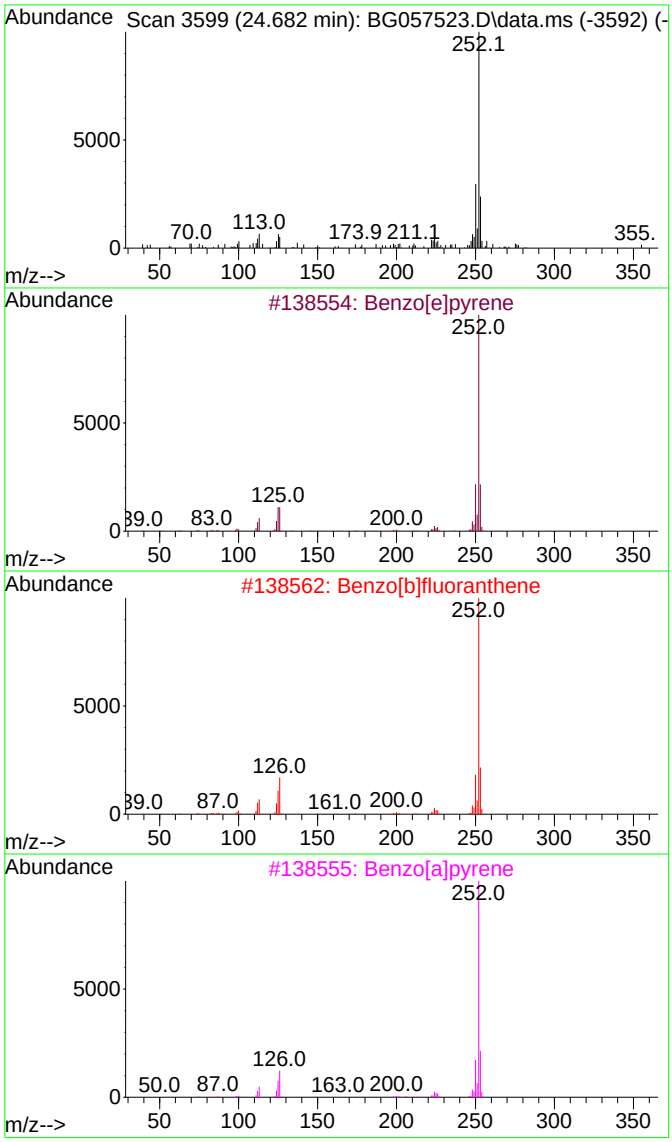
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

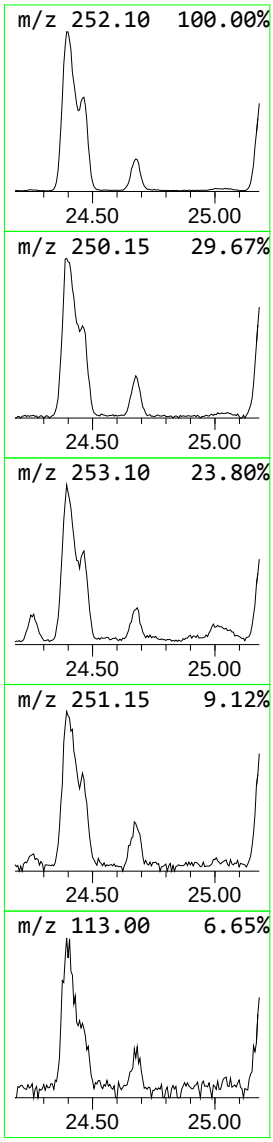
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.682	5.15 ng	86287	Perylene-d12	25.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	90
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
3	Benzo[a]pyrene	252	C20H12	000050-32-8	81
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	81
5	Perylene	252	C20H12	000198-55-0	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
Data File : BG057523.D
Acq On : 23 May 2023 17:19
Operator : CG/JU
Sample : 02891-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
290-328

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.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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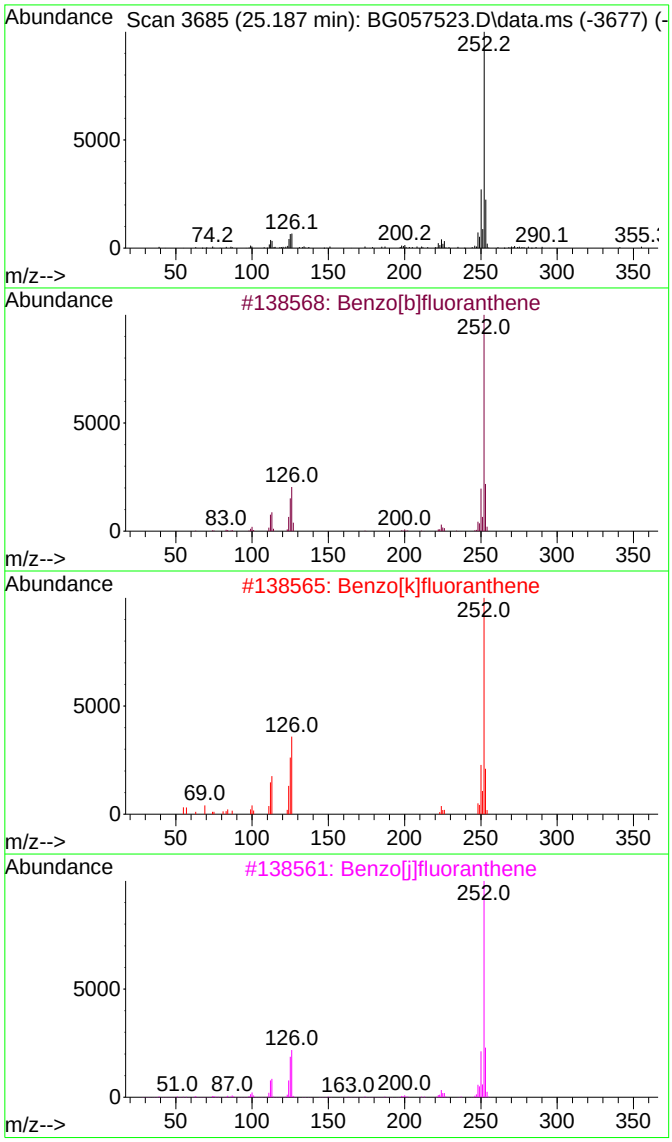
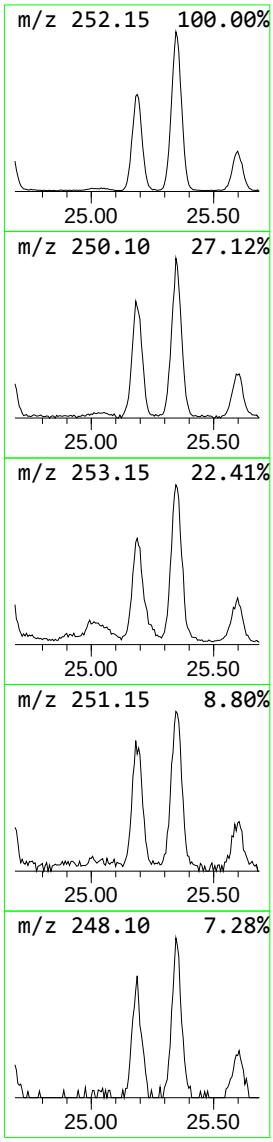
Peak Number 20 Benzo[j]fluoranthene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.187	18.13 ng	303499	Perylene-d12	25.516

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[e]pyrene	252	C20H12	000192-97-2	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052323\
Data File : BG057523.D
Acq On : 23 May 2023 17:19
Operator : CG/JU
Sample : 02891-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
290-328

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.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
2-Pentanone, 4-...	5.384	4.7	ng	30461	1	8.357	129840	20.0
n-Hexadecanoic ...	18.543	3.0	ng	51262	4	17.709	340569	20.0
Phenanthrene, 1...	18.573	4.5	ng	76643	4	17.709	340569	20.0
Phenanthrene, 2...	18.619	7.8	ng	132715	4	17.709	340569	20.0
Anthracene, 1-m...	18.702	4.0	ng	68881	4	17.709	340569	20.0
4H-Cyclopenta[d...	18.772	12.3	ng	208748	4	17.709	340569	20.0
Naphthalene, 2-...	19.054	5.9	ng	100830	4	17.709	340569	20.0
Anthracene, 2-e...	19.301	3.4	ng	57689	4	17.709	340569	20.0
9,10-Dimethylan...	19.471	6.8	ng	115192	4	17.709	340569	20.0
Phenanthrene, 3...	19.530	2.6	ng	44688	4	17.709	340569	20.0
Phenanthrene, 2...	19.606	3.4	ng	57351	4	17.709	340569	20.0
Pyrene, 1-methyl-	20.423	3.0	ng	168572	5	22.021	1138050	20.0
11H-Benzo[b]flu...	20.581	6.8	ng	388091	5	22.021	1138050	20.0
11H-Benzo[a]flu...	20.681	4.7	ng	266562	5	22.021	1138050	20.0
Fluoranthene, 2...	20.740	3.3	ng	184949	5	22.021	1138050	20.0
Benzo[b]naphtho...	21.569	2.7	ng	153633	5	22.021	1138050	20.0
Benzo[c]phenant...	22.232	2.9	ng	164171	5	22.021	1138050	20.0
Benz[a]anthrace...	22.796	3.1	ng	177963	5	22.021	1138050	20.0
Benzo[e]pyrene	24.682	5.2	ng	86287	6	25.516	334884	20.0
Benzo[j]fluoran...	25.187	18.1	ng	303499	6	25.516	334884	20.0