LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021023\
Data File : BG056613.D
Acq On : 10 Feb 2023 20:04
Operator : CG/JU
Sample : 01510-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TWM-TP14-020823

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-BG012723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG056613.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.239	323	332	339	rBB	82696	130040	5.83%	0.609%
2	5.733	409	416	429	rVB	353434	557263	24.97%	2.608%
3	7.366	686	694	708	rBV	358720	617300	27.66%	2.889%
4	8.212	831	838	845	rBB	96633	162499	7.28%	0.760%
5	9.387	1030	1038	1048	rBV	215976	381026	17.08%	1.783%
6	11.044	1312	1320	1326	rBV	134724	239153	10.72%	1.119%
7	13.459	1724	1731	1742	rBV	855213	1303800	58.43%	6.101%
8	14.840	1955	1966	1972	rBV	267222	415310	18.61%	1.943%
9	14.899	1972	1976	1982	rVB	35976	56053	2.51%	0.262%
10	15.880	2135	2143	2149	rBV2	32114	47164	2.11%	0.221%
11	16.179	2188	2194	2203	rVB	322520	468109	20.98%	2.190%
12	16.326	2213	2219	2231	rBV	592557	927046	41.54%	4.338%
13	16.738	2283	2289	2301	rBV	37669	59092	2.65%	0.277%
14	16.849	2301	2308	2311	rBV3	21608	42532	1.91%	0.199%
15	17.231	2368	2373	2379	rVB	17612	29044	1.30%	0.136%
16	17.325	2385	2389	2394	rVB	30745	44886	2.01%	0.210%
17	17.390	2394	2400	2411	rVB2	21678	46933	2.10%	0.220%
18	17.578	2425	2432	2435	rBV	351753	534855	23.97%	2.503%
19	17.619	2435	2439	2445	rVB	587537	847904	38.00%	3.968%
20	17.707	2445	2454	2460	rBV	87593	144669	6.48%	0.677%
21	17.977	2492	2500	2505	rBV2	31555	58924	2.64%	0.276%
22	18.083	2514	2518	2524	rBV2	24377	33999	1.52%	0.159%
23	18.447	2572	2580	2583	rBV	76788	125369	5.62%	0.587%
24	18.494	2583	2588	2594	rVV	95103	142981	6.41%	0.669%
25	18.571	2594	2601	2606	rVV	34251	55763	2.50%	0.261%
26	18.641	2606	2613	2617	rBV3	104977	220103	9.86%	1.030%
27	18.677	2617	2619	2626	rVB2	61113	69553	3.12%	0.325%
28	18.929	2658	2662	2667	rBV	84521	117253	5.25%	0.549%
29	18.982	2667	2671	2675	rBV	36839	47365	2.12%	0.222%
30	19.176	2697	2704	2709	rBV2	30705	47723	2.14%	0.223%
31	19.264	2715	2719	2727	rVB5	16451	27653	1.24%	0.129%
32	19.346	2727	2733	2738	rBV	47935	89464	4.01%	0.419%
33	19.411	2738	2744	2746	rBV4	18768	31684	1.42%	0.148%
34	19.493	2752	2758	2764	rBV3	37895	73127	3.28%	0.342%
35	19.617	2772	2779	2784	rBV	989749	1383254	61.99%	6.473%
36	19.705	2790	2794	2798	rVB3	21101	31123	1.39%	0.146%

LSC Area Percent Report

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Sample : 01510-03
Misc :
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Instrument :
BNA_G
ClientSampleId :
TWM-TP14-020823

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-BG012723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	19.799	2805	2810	2814	rBV8	12146	24677	1.11%	0.115%
38	19.858	2814	2820	2826	rVV3	32002	69029	3.09%	0.323%
39	19.940	2829	2834	2836	rBV2	145672	227222	10.18%	1.063%
40	19.975	2836	2840	2846	rVB	983716	1379420	61.82%	6.455%
41	20.040	2846	2851	2856	rVB2	57742	88365	3.96%	0.413%
42	20.151	2856	2870	2876	rBV	1653047	2231445	100.00%	10.442%
43	20.210	2876	2880	2886	rVB	35470	60752	2.72%	0.284%
44	20.286	2887	2893	2900	rBV2	66976	156798	7.03%	0.734%
45	20.369	2900	2907	2911	rBV2	37302	62709	2.81%	0.293%
46	20.427	2911	2917	2918	rVV3	61216	94811	4.25%	0.444%
47	20.457	2919	2922	2927	rVB	109404	151991	6.81%	0.711%
48	20.557	2934	2939	2942	rBV	59706	89579	4.01%	0.419%
49	20.615	2942	2949	2953	rVV2	81574	155459	6.97%	0.727%
50	20.651	2953	2955	2958	rVB2	26975	26084	1.17%	0.122%
51	20.756	2969	2973	2976	rBV	73140	96351	4.32%	0.451%
52	20.803	2976	2981	2987	rVB	68947	114462	5.13%	0.536%
53	20.921	2998	3001	3008	rVB5	25112	36575	1.64%	0.171%
54	21.232	3049	3054	3060	rVB	64556	113701	5.10%	0.532%
55	21.426	3082	3087	3090	rBV2	42044	96362	4.32%	0.451%
56	21.462	3090	3093	3097	rVB	80706	113551	5.09%	0.531%
57	21.514	3097	3102	3107	rBV2	79394	139077	6.23%	0.651%
58	21.579	3109	3113	3119	rVB	59060	102475	4.59%	0.480%
59	21.843	3150	3158	3164	rBV3	466772	1299642	58.24%	6.082%
60	21.902	3164	3168	3174	rVB	347222	556986	24.96%	2.606%
61	21.996	3181	3184	3189	rVB5	18313	29746	1.33%	0.139%
62	22.061	3190	3195	3204	rVB2	71236	129049	5.78%	0.604%
63	22.278	3227	3232	3238	rVB3	37247	76372	3.42%	0.357%
64	22.607	3283	3288	3294	rVB	62390	124480	5.58%	0.582%
65	22.895	3332	3337	3341	rBV2	32362	75540	3.39%	0.353%
66	23.030	3357	3360	3369	rVB3	33717	70982	3.18%	0.332%
67	24.147	3542	3550	3558	rBV	276815	904306	40.53%	4.232%
68	24.411	3590	3595	3603	rBV2	41708	97676	4.38%	0.457%
69	24.634	3627	3633	3636	rBV5	20282	42418	1.90%	0.198%
70	24.910	3672	3680	3695	rVB	189147	567982	25.45%	2.658%
71	25.063	3697	3706	3717	rVB	267106	729884	32.71%	3.415%
72	25.222	3725	3733	3741	rBV2	193852	547518	24.54%	2.562%
73	25.298	3742	3746	3759	rVB2	74167	227099	10.18%	1.063%
74	29.100	4383	4393	4412	rVB4	107949	529146	23.71%	2.476%
75	30.310	4591	4599	4600	rBV	65605	120671	5.41%	0.565%

LSC Area Percent Report

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Acq On : 10 Feb 2023 20:04
Operator : CG/JU
Sample : 01510-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TWM-TP14-020823

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-BG012723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

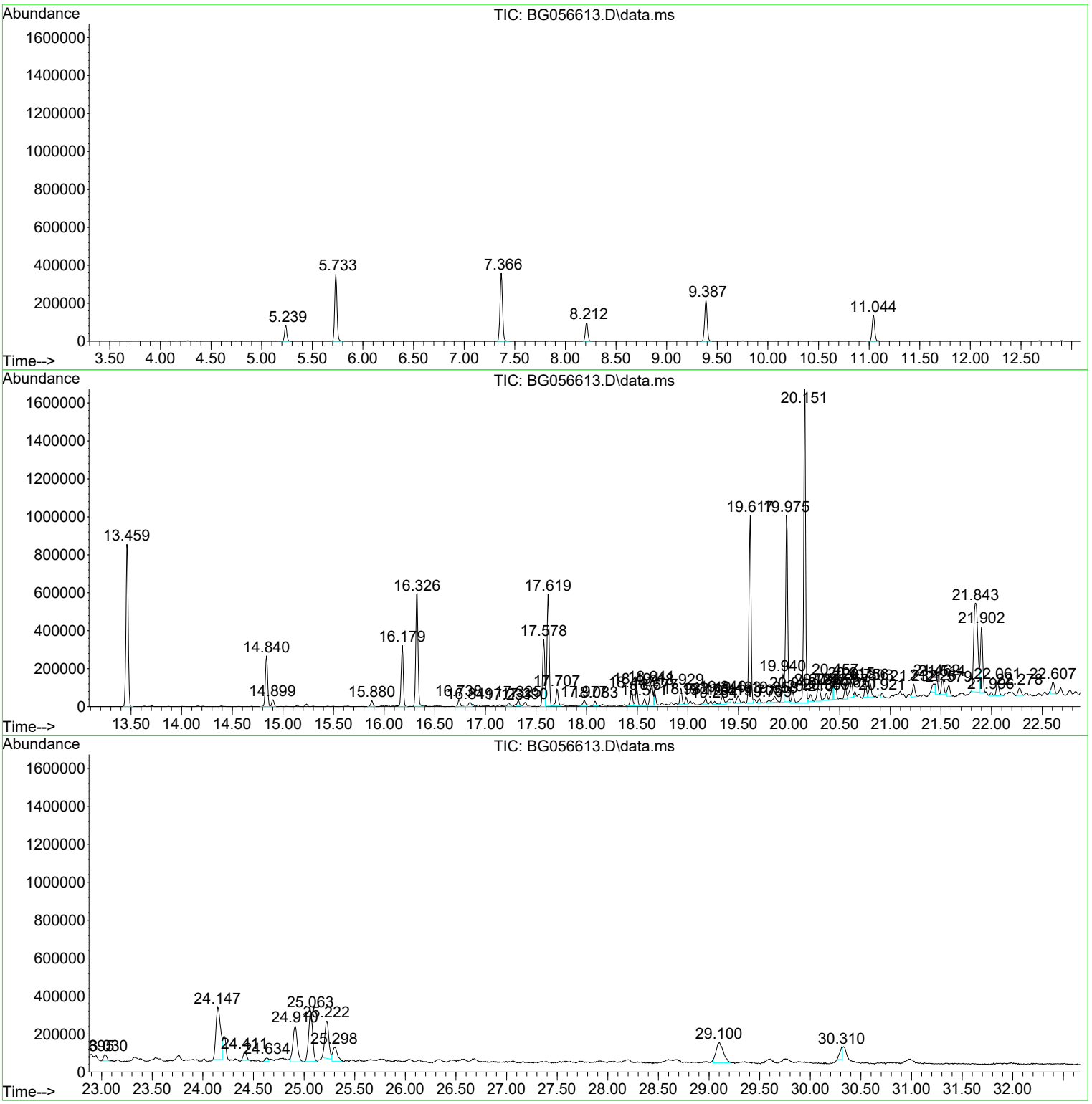
Sum of corrected areas: 21370408

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021023\
Data File : BG056613.D
Acq On : 10 Feb 2023 20:04
Operator : CG/JU
Sample : 01510-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TWM-TP14-020823

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.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\BG021023\
Data File : BG056613.D
Acq On : 10 Feb 2023 20:04
Operator : CG/JU
Sample : 01510-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TWM-TP14-020823

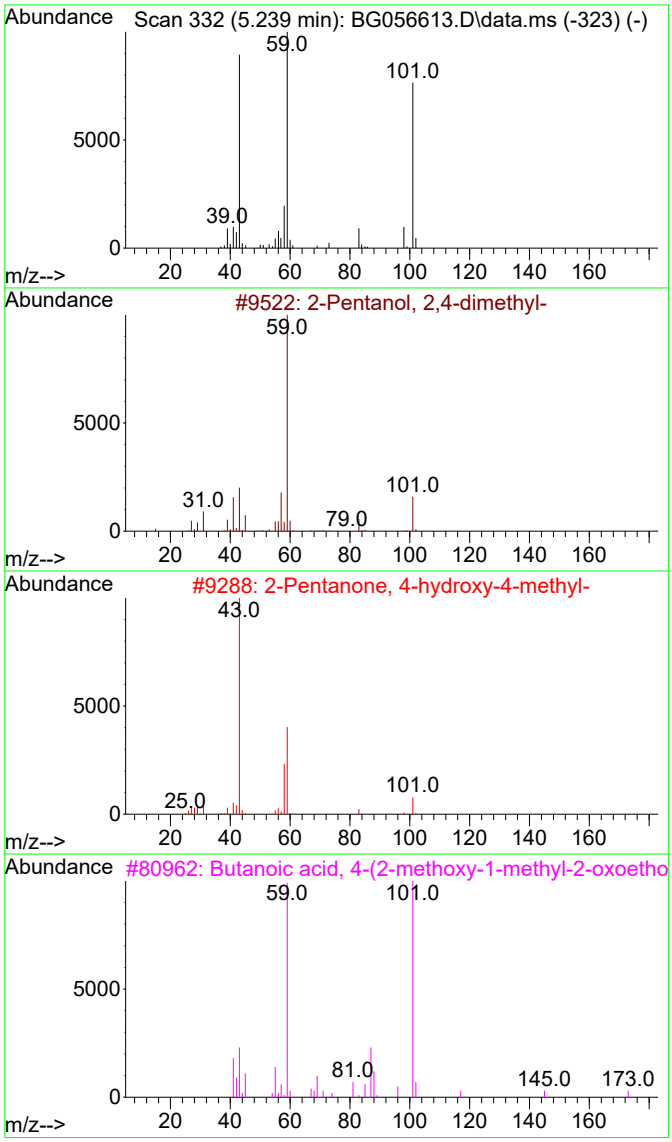
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

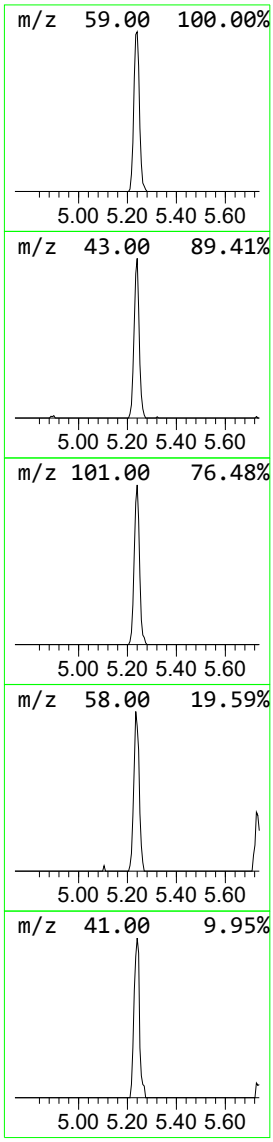
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanol, 2,4-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.239	16.00 ng	130040	1,4-Dichlorobenzene-d4	8.212

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	59
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	42
3	Butanoic acid, 4-(2-methoxy-1-me...	204	C9H16O5	054966-46-0	36
4	Guanidine	59	CH5N3	000113-00-8	25
5	3-Heptanol, 4-methyl-	130	C8H18O	014979-39-6	23





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021023\
Data File : BG056613.D
Acq On : 10 Feb 2023 20:04
Operator : CG/JU
Sample : 01510-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TWM-TP14-020823

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

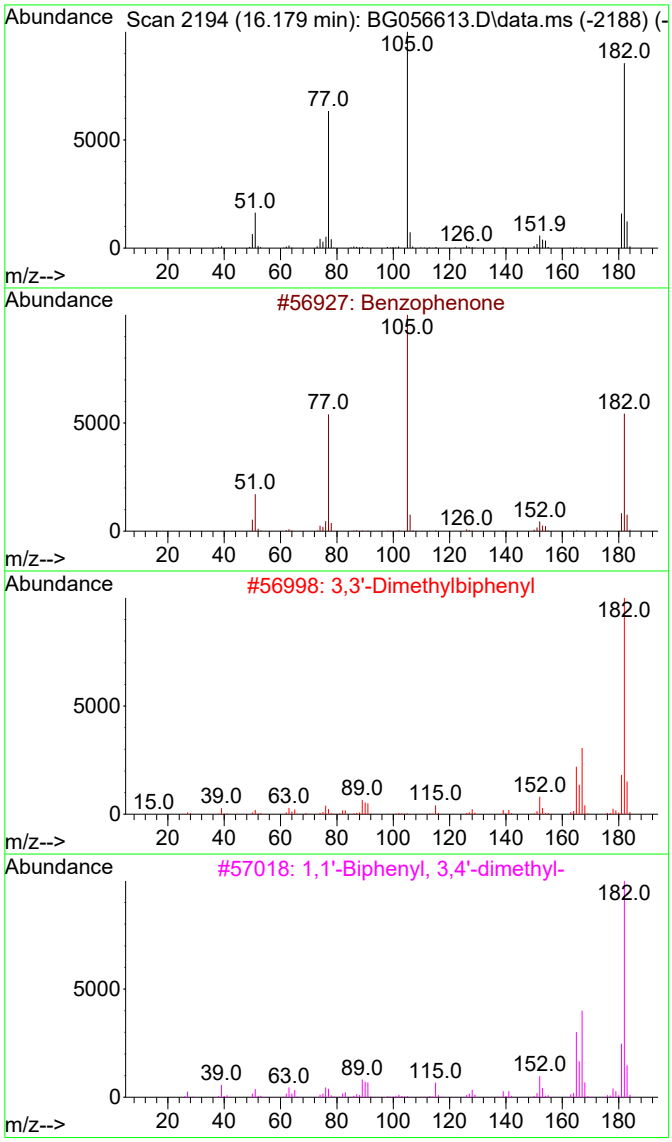
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

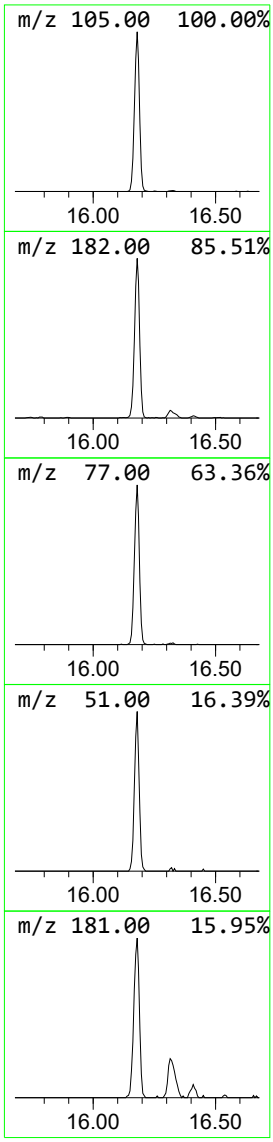
****

Peak Number 3 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.180	22.54 ng	468109	Acenaphthene-d10	14.840

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	95
2	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	49
3	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	49
4	2,4,6-Trimethoxytoluene	182	C10H14O3	014107-97-2	46
5	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021023\
Data File : BG056613.D
Acq On : 10 Feb 2023 20:04
Operator : CG/JU
Sample : 01510-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TWM-TP14-020823

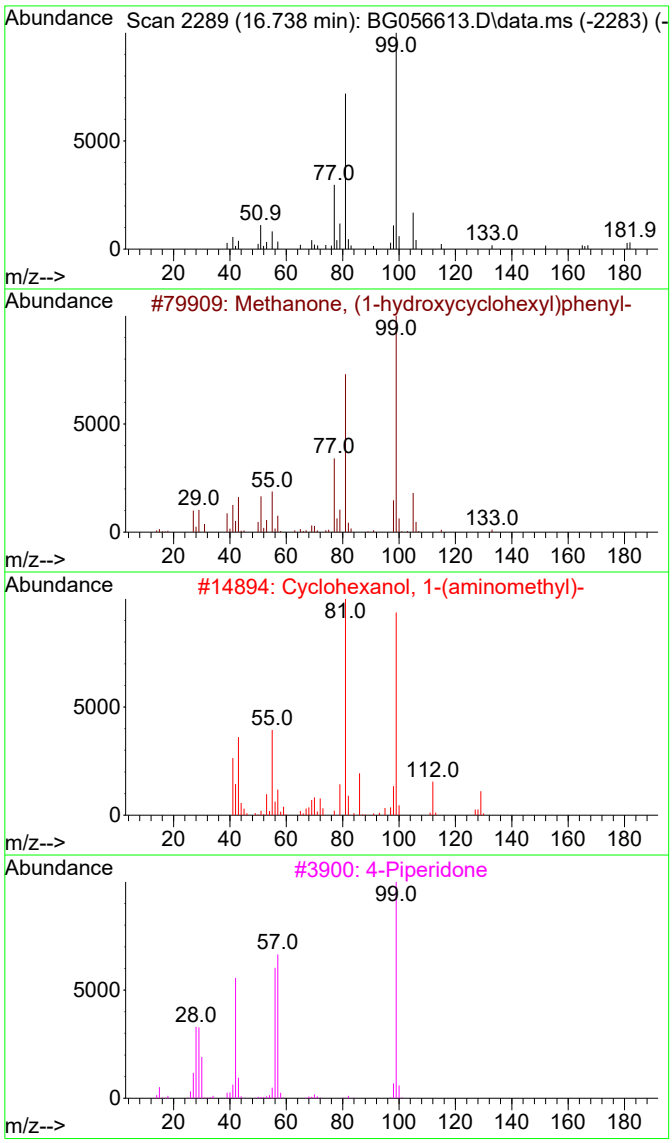
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

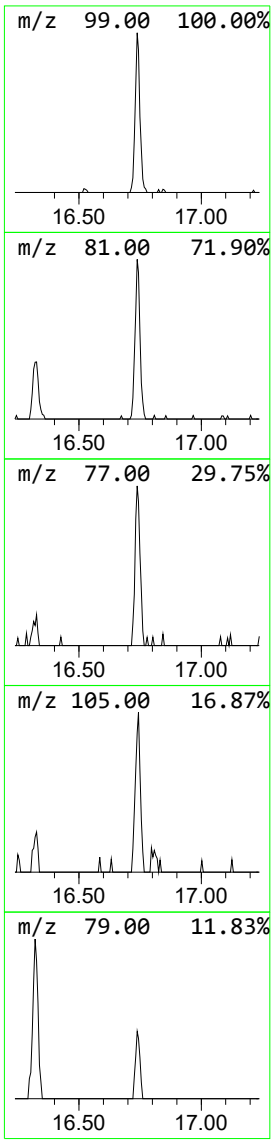
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Methanone, (1-hydroxycycloh... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.738	2.21 ng	59092	Phenanthrene-d10	17.578

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methanone, (1-hydroxycyclohexyl)...	204	C13H16O2	000947-19-3	53
2	Cyclohexanol, 1-(aminomethyl)-	129	C7H15NO	004000-72-0	53
3	4-Piperidone	99	C5H9NO	041661-47-6	37
4	3,5-Diamino-1,2,4-triazole	99	C2H5N5	001455-77-2	32
5	5'-Methoxyauraptene	328	C20H24O4	1388156-87-3	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021023\
Data File : BG056613.D
Acq On : 10 Feb 2023 20:04
Operator : CG/JU
Sample : 01510-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

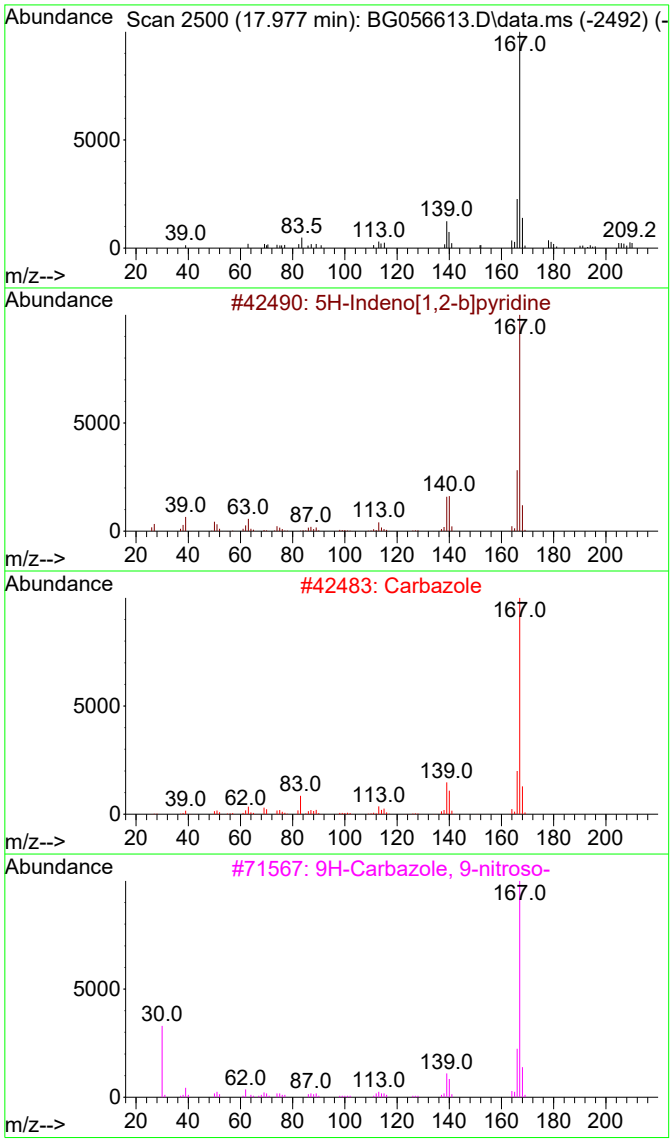
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

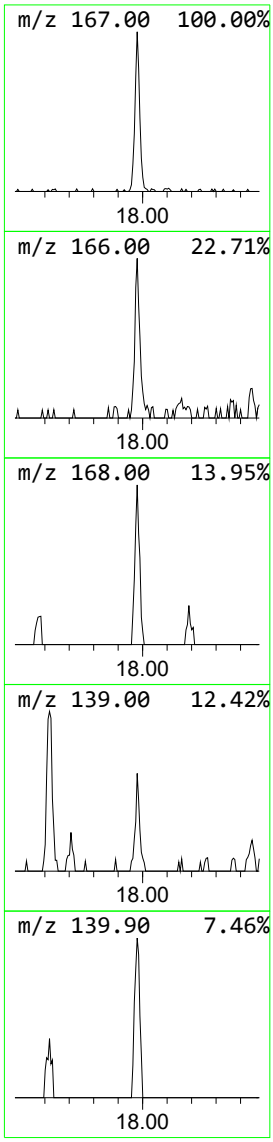
****

Peak Number 5 5H-Indeno[1,2-b]pyridine Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.977	2.20 ng	58924	Phenanthrene-d10	17.578

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	90
2	Carbazole	167	C12H9N	000086-74-8	90
3	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	86
4	ethanone, 1-(9H-carbazol-9-yl)-	209	C14H11NO	1000400-59-5	81
5	9H-Carbazole-9-methanol	197	C13H11NO	002409-36-1	78





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Data File : BG056613.D
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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TWM-TP14-020823

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

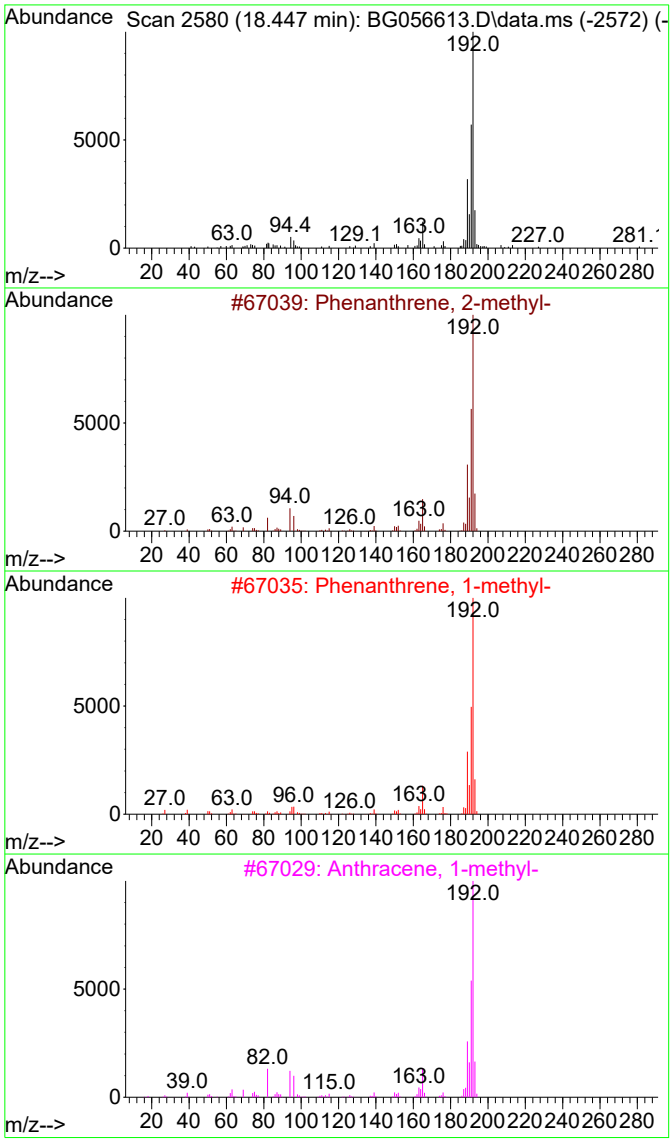
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

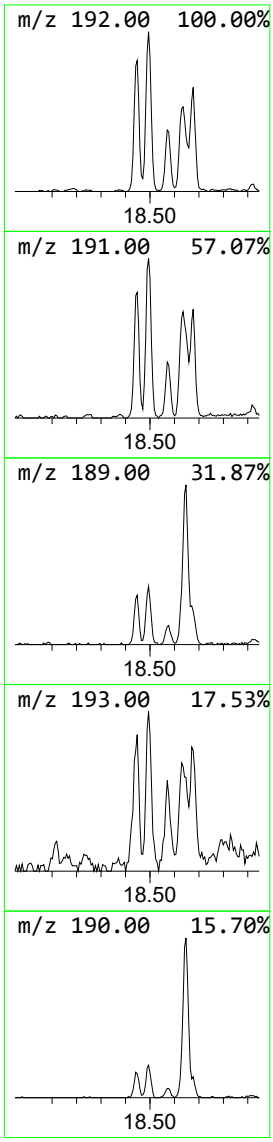
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.447	4.69 ng	125369	Phenanthrene-d10	17.578

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021023\
Data File : BG056613.D
Acq On : 10 Feb 2023 20:04
Operator : CG/JU
Sample : 01510-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TWM-TP14-020823

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

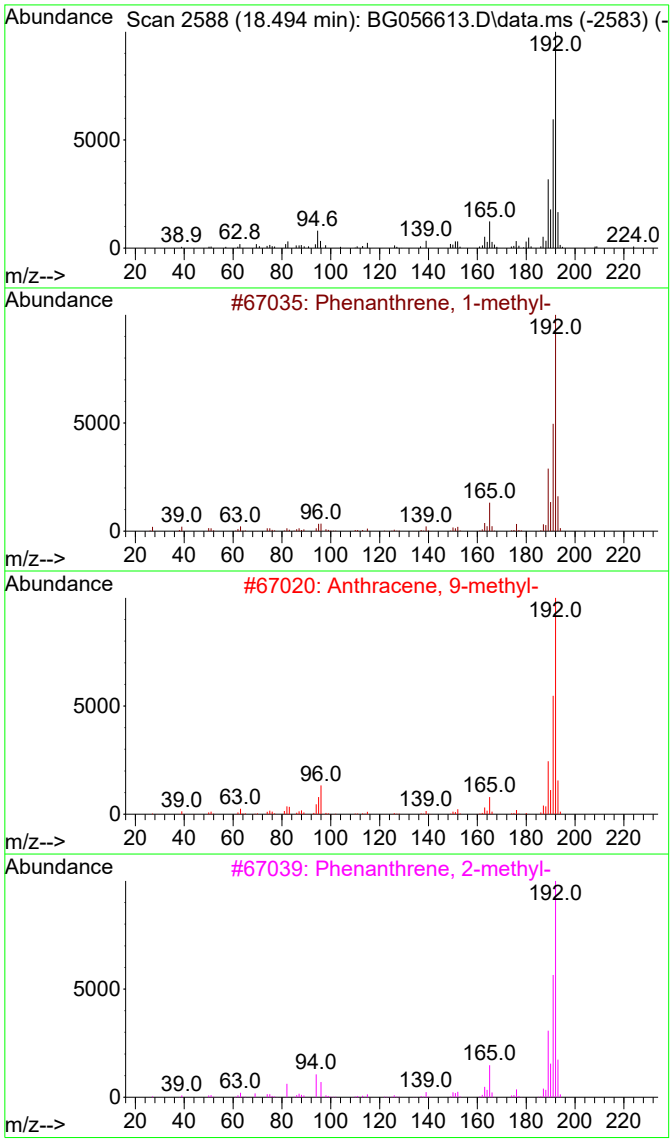
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

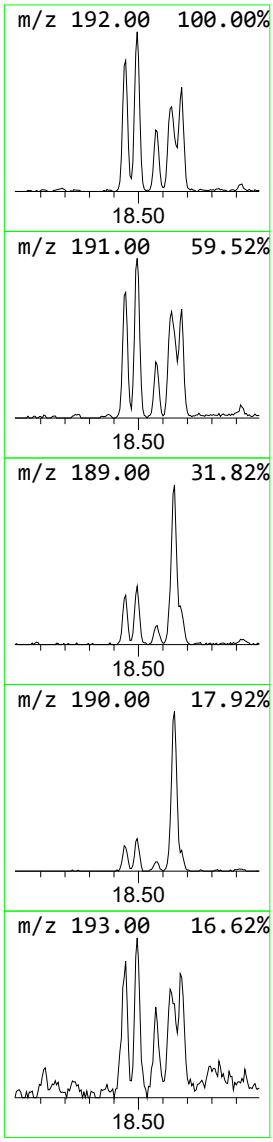
****

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.494	5.35 ng	142981	Phenanthrene-d10	17.578

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Acq On : 10 Feb 2023 20:04
Operator : CG/JU
Sample : 01510-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TWM-TP14-020823

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.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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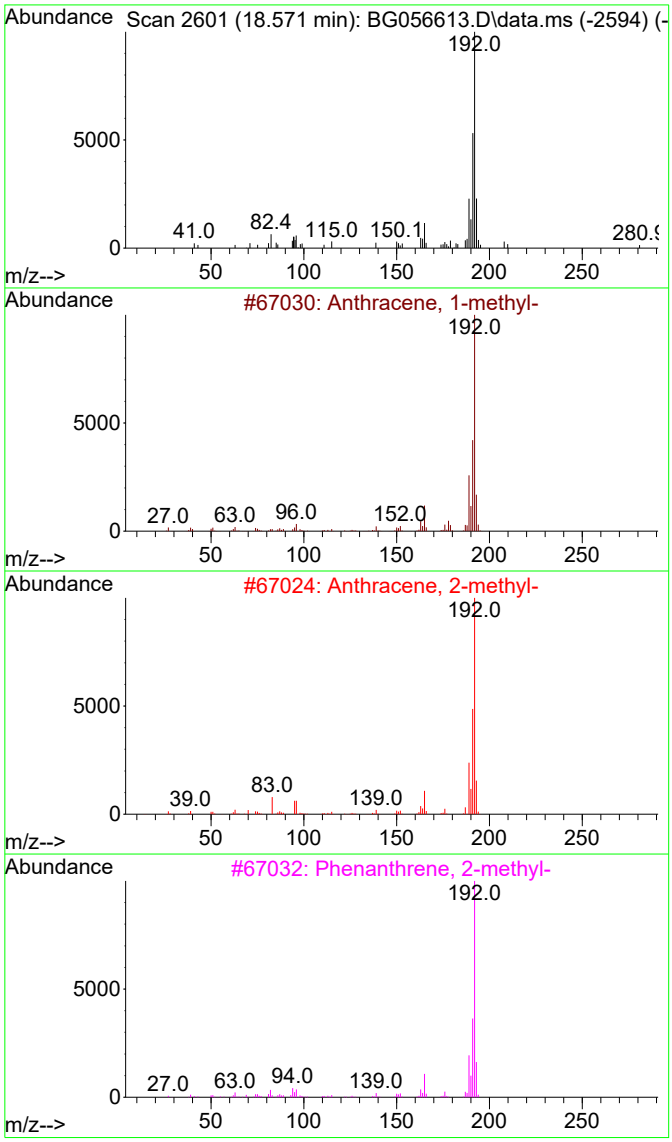
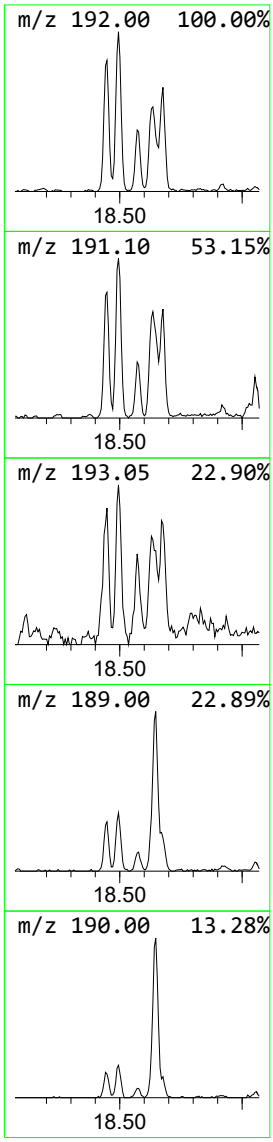
Peak Number 8 Anthracene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.571	2.09 ng	55763	Phenanthrene-d10	17.578

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





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Sample : 01510-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TWM-TP14-020823

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

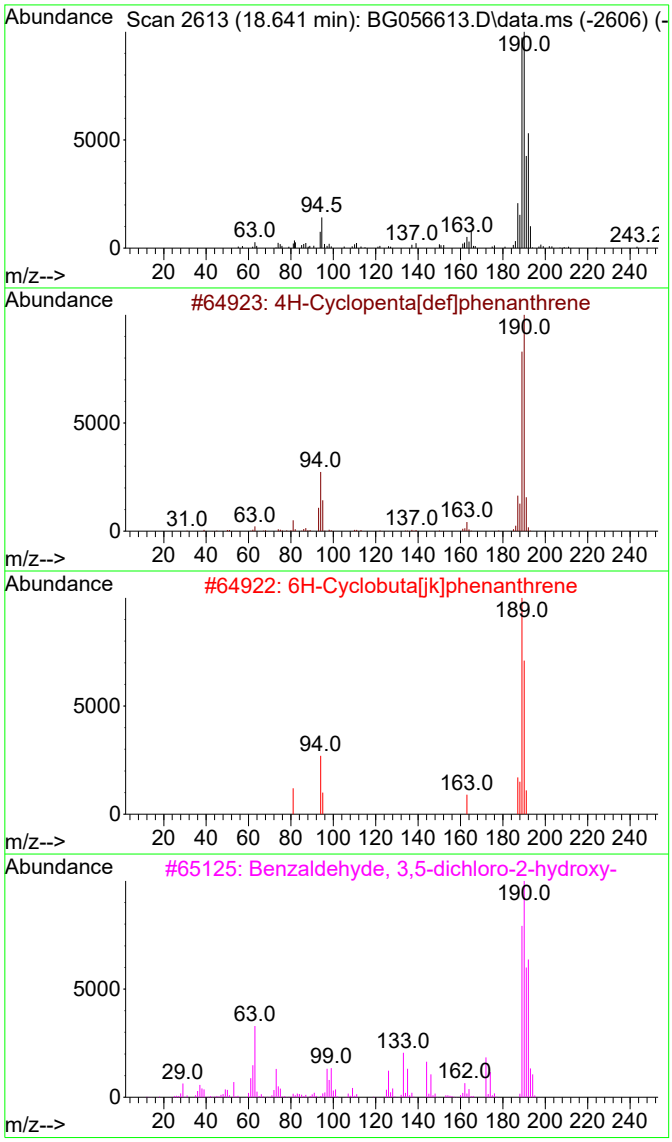
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

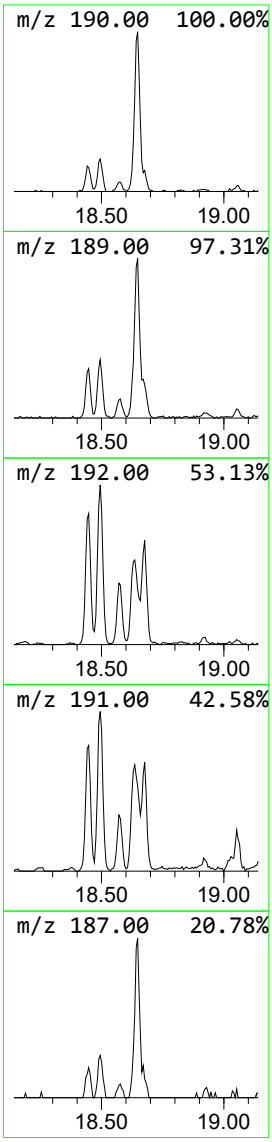
****

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.641	8.23 ng	220103	Phenanthrene-d10	17.578

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
4	Cyclohexanone, 2-(2-furanylmethy...	190	C12H14O2	056053-07-7	27
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18





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Sample : 01510-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TWM-TP14-020823

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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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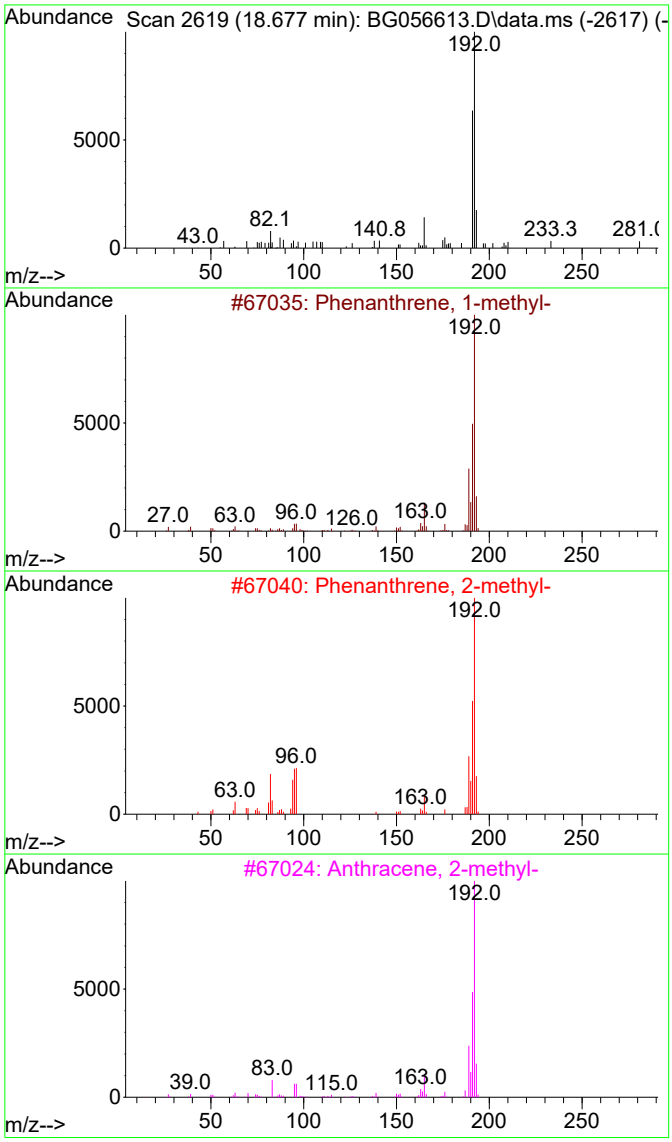
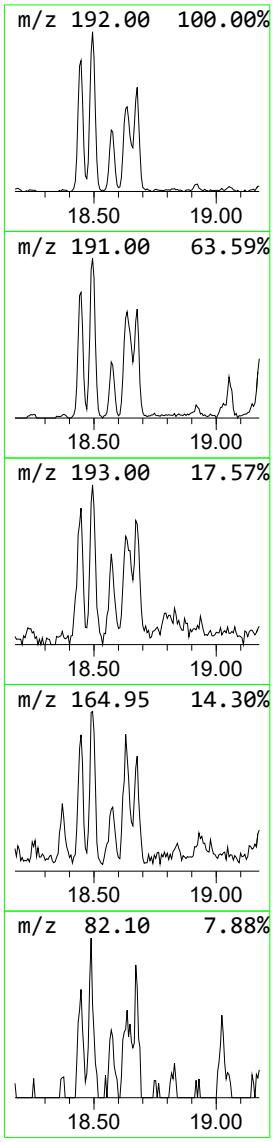
Peak Number 10 Anthracene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.677	2.60 ng	69553	Phenanthrene-d10	17.578

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78





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Operator : CG/JU
Sample : 01510-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TWM-TP14-020823

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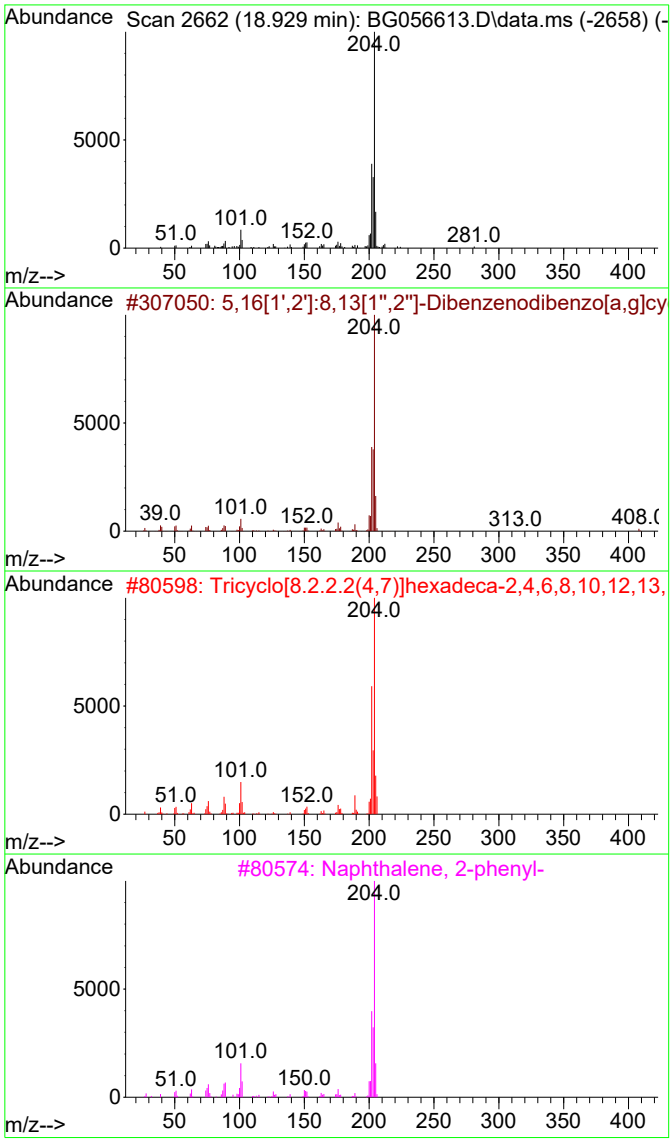
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

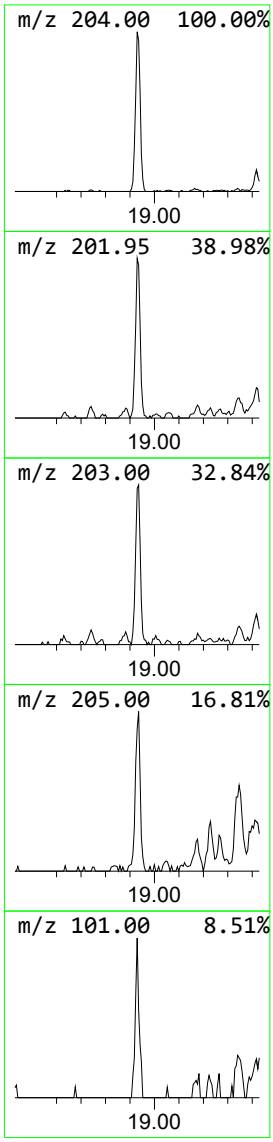
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.929	4.38 ng	117253	Phenanthrene-d10	17.578

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	47





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ALS Vial : 12 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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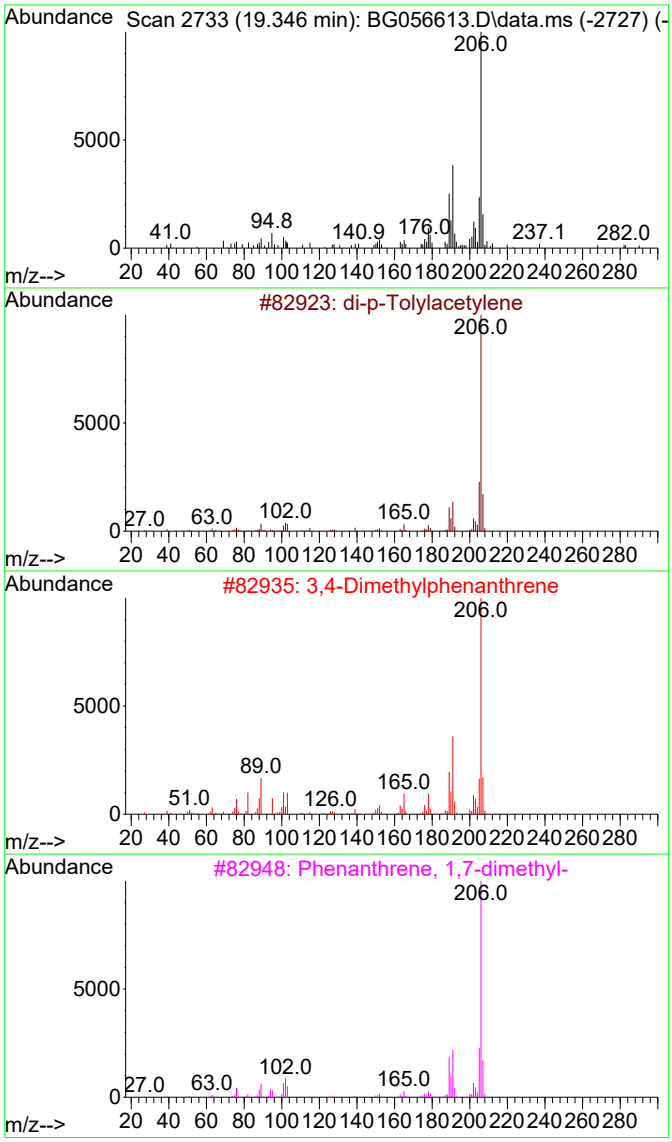
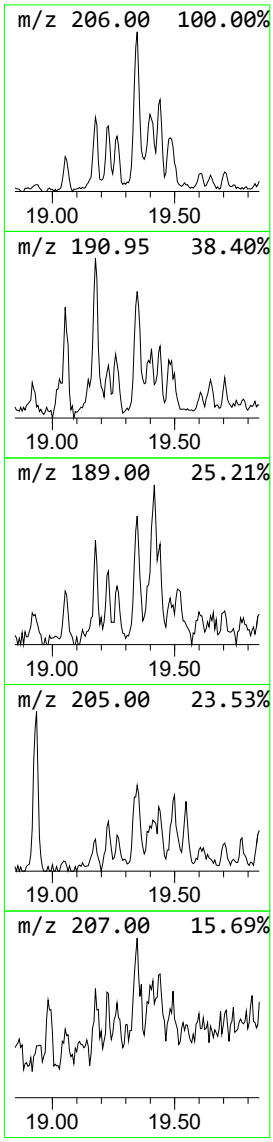
Peak Number 12 di-p-Tolylacetylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.346	3.35 ng	89464	Phenanthrene-d10	17.578

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	95
2	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	87





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ClientSampleId :
TWM-TP14-020823

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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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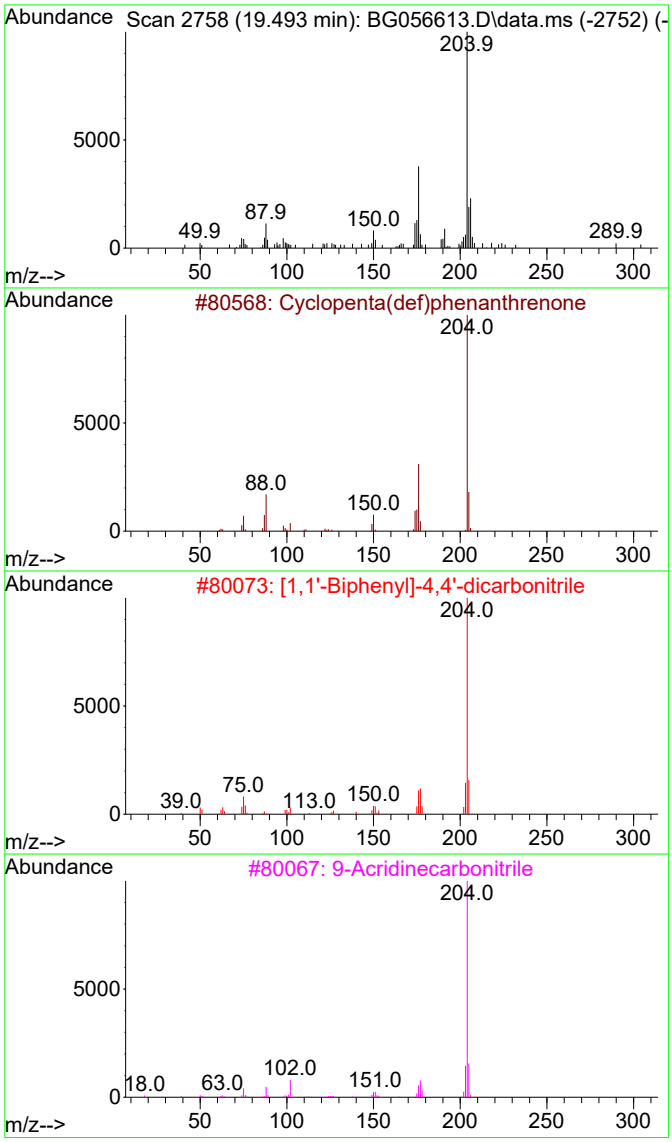
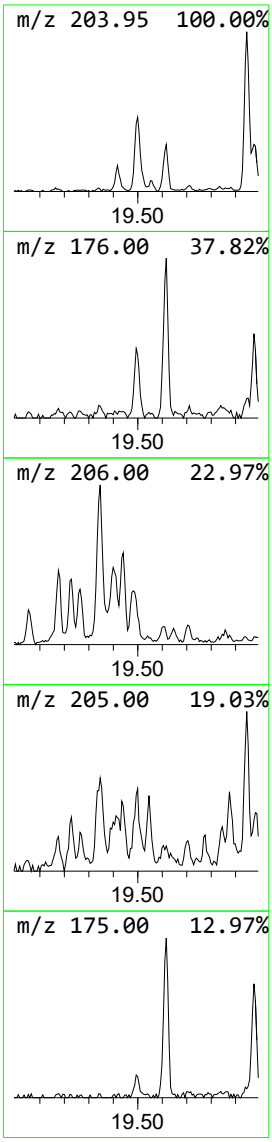
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.493	2.73 ng	73127	Phenanthrene-d10	17.578

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	87
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
3	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	50
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
5	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	49





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Sample : 01510-03
Misc :
ALS Vial : 12 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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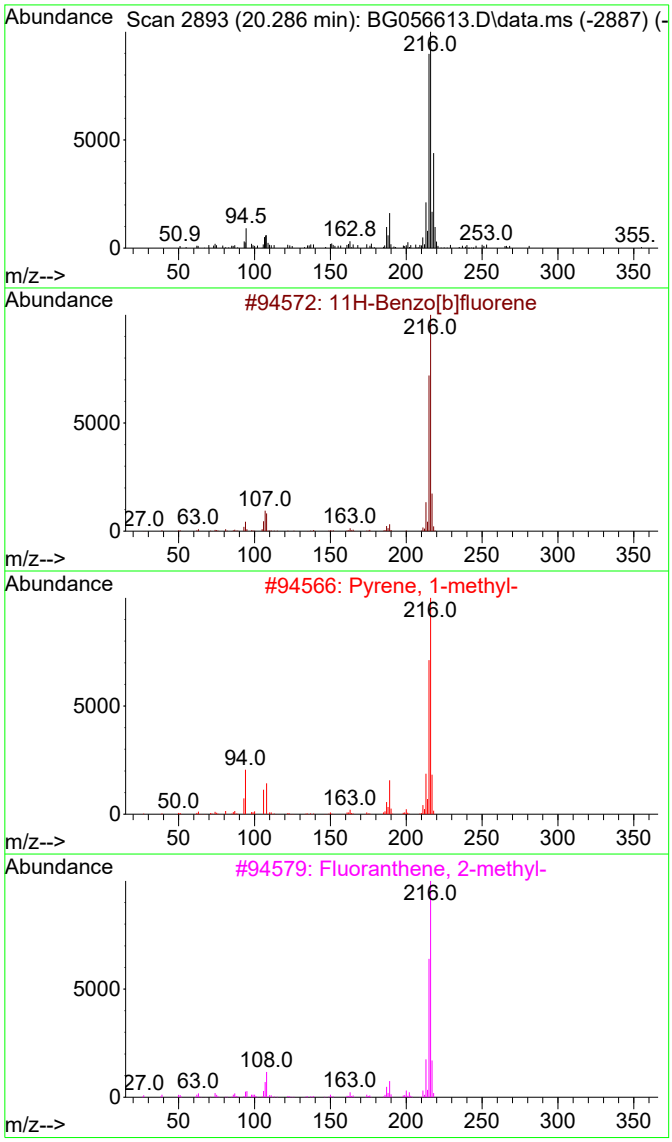
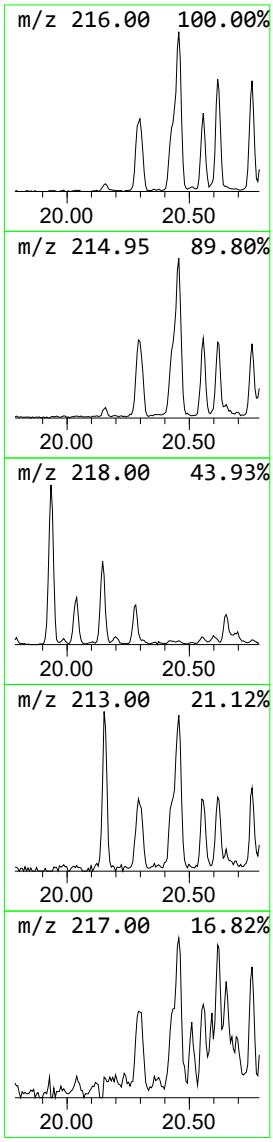
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.286	2.41 ng	156798	Chrysene-d12	21.855

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	68
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	53





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Sample : 01510-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TWM-TP14-020823

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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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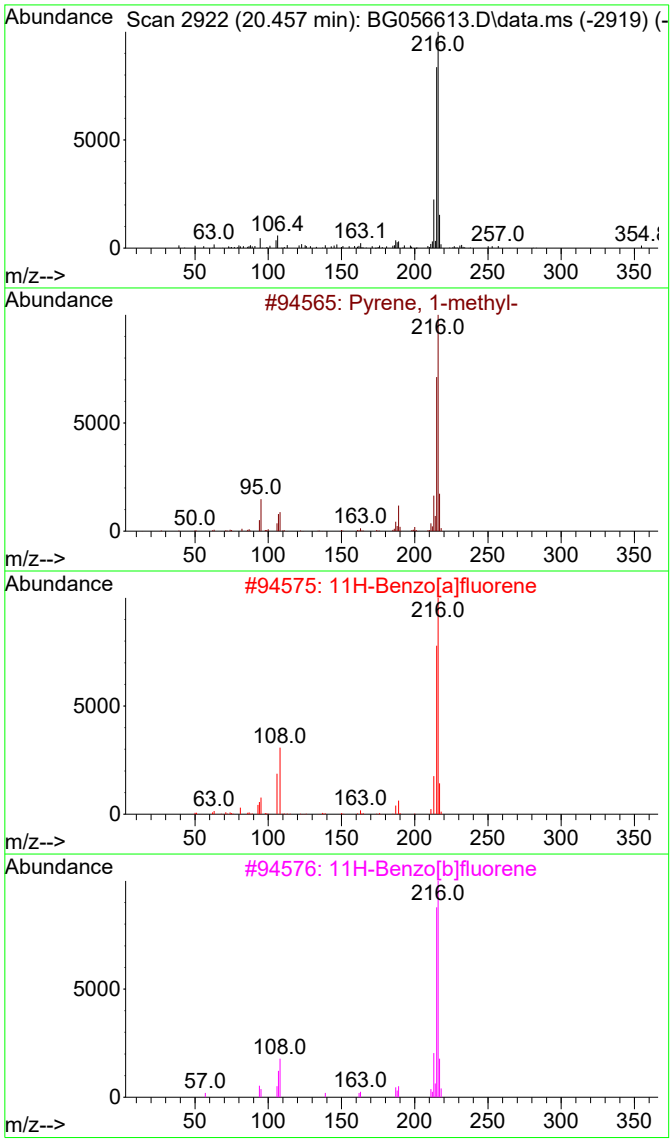
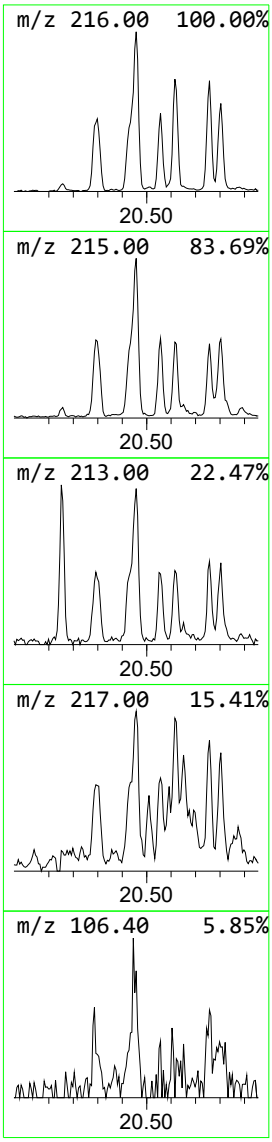
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.457	2.34 ng	151991	Chrysene-d12	21.855

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	80
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	64





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Instrument :
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ClientSampleId :
TWM-TP14-020823

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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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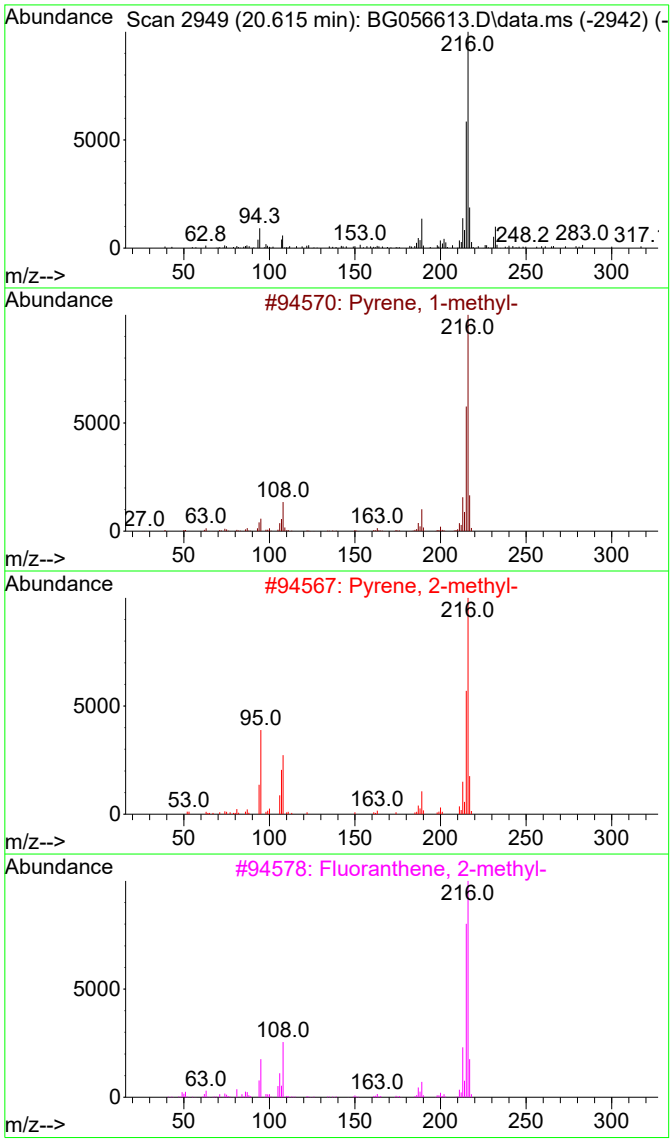
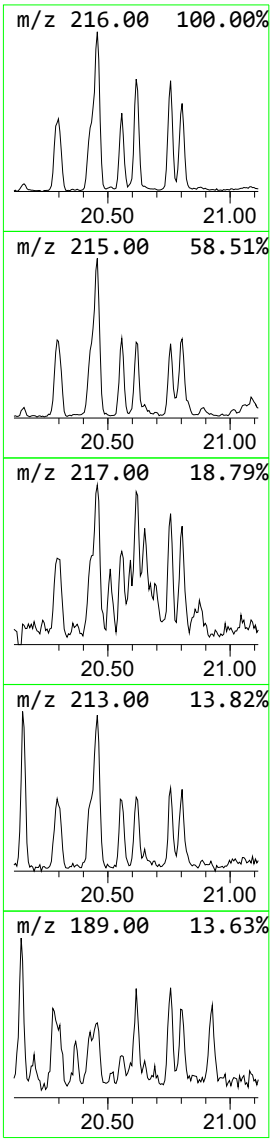
Peak Number 16 Pyrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.616	2.39 ng	155459	Chrysene-d12	21.855

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	76





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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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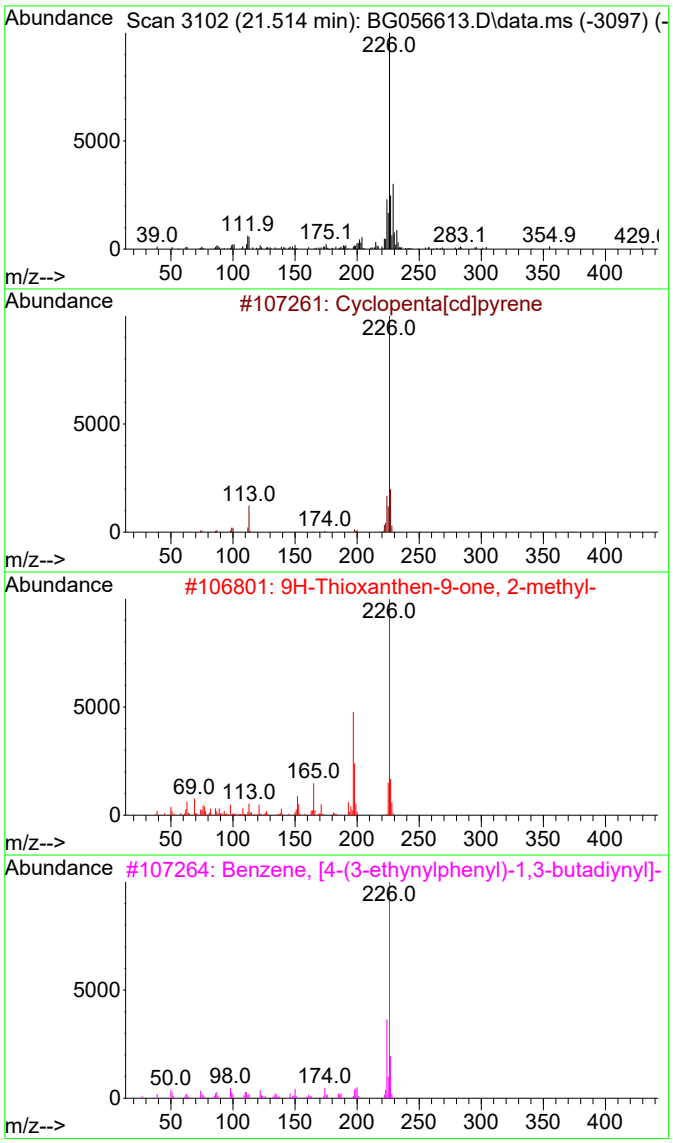
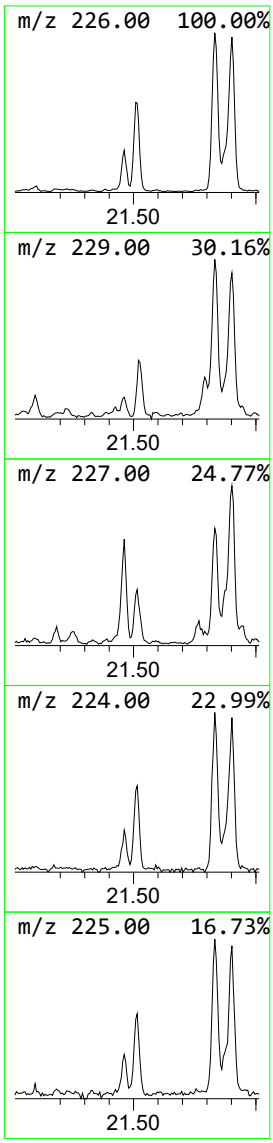
Peak Number 17 Cyclopenta[cd]pyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.514	2.14 ng	139077	Chrysene-d12	21.855

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	58
2	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	50
3	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	43
4	Benzene, 1-bromo-2,6-dichloro-	224	C6H3BrCl2	019393-92-1	40
5	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	40





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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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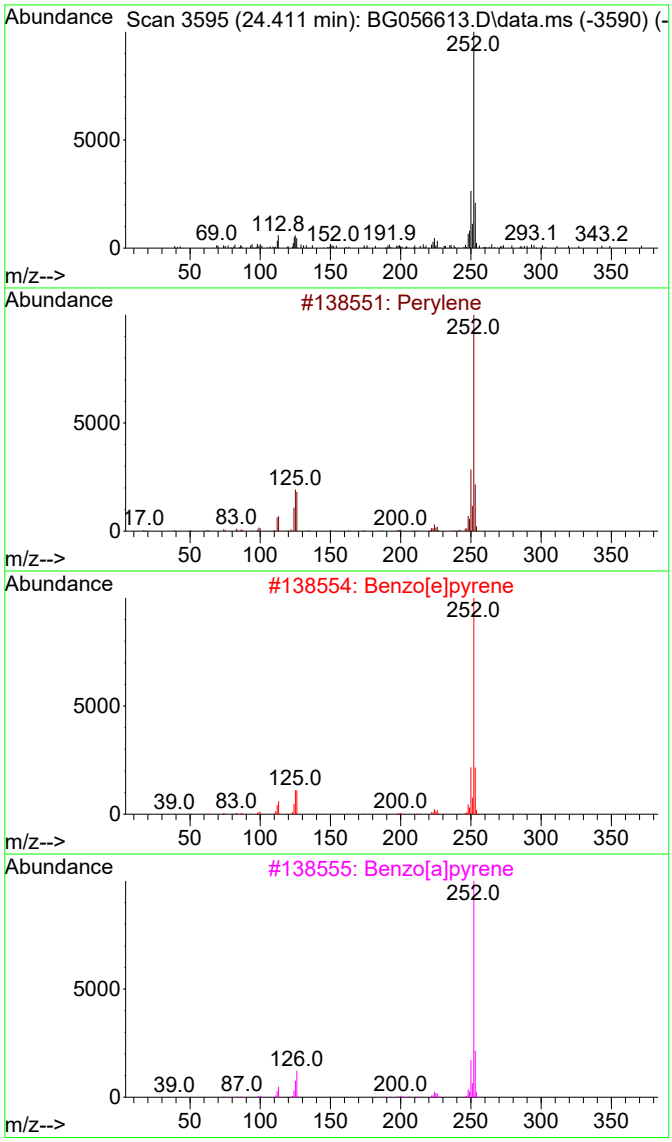
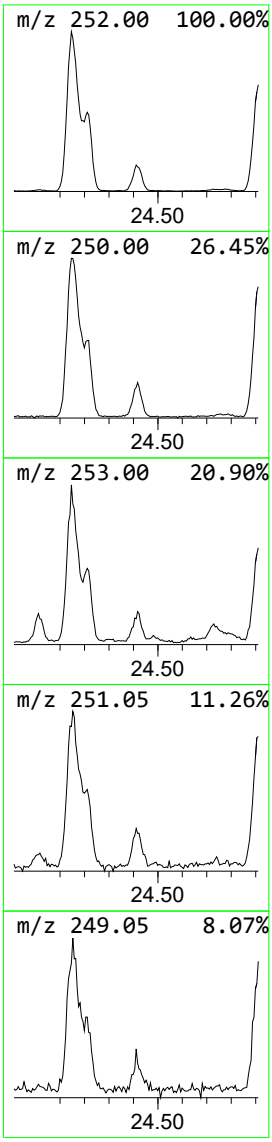
Peak Number 18 Perylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.411	3.57 ng	97676	Perylene-d12	25.222

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	89
2	Benzo[e]pyrene	252	C20H12	000192-97-2	81
3	Benzo[a]pyrene	252	C20H12	000050-32-8	81
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	81
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	74





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BNA_G
ClientSampleId :
TWM-TP14-020823

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

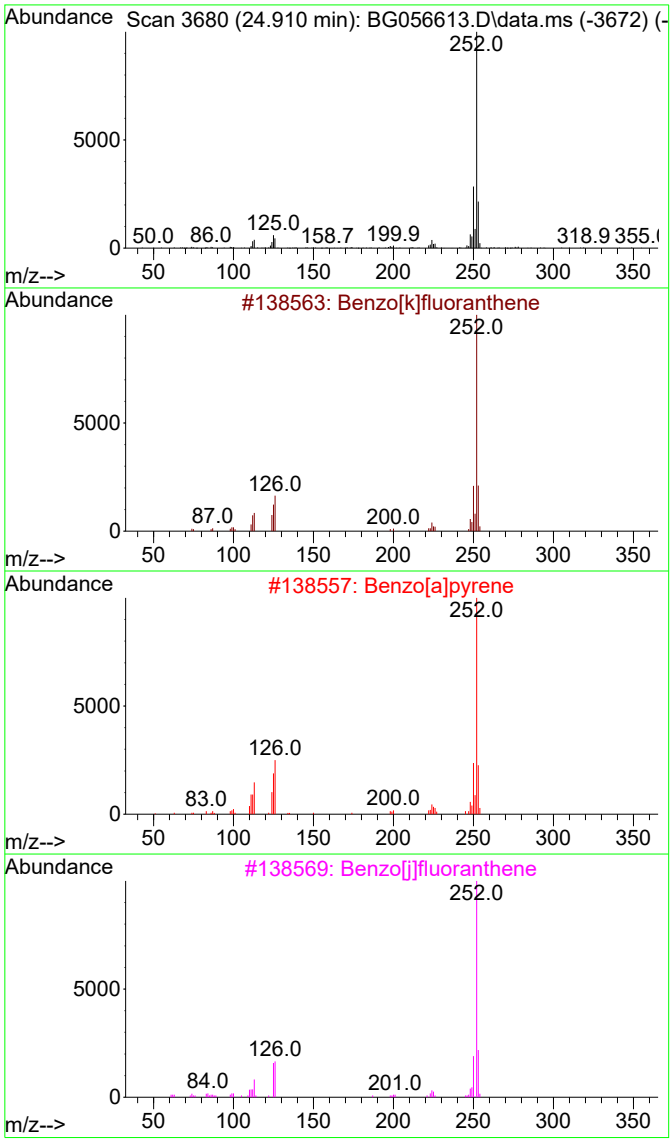
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

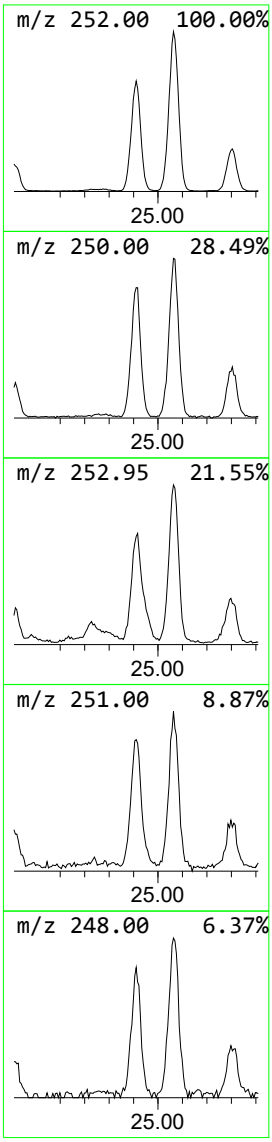
****

Peak Number 19 Benzo[j]fluoranthene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.910	20.75 ng	567982	Perylene-d12	25.222

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
2	Benzo[a]pyrene	252	C20H12	000050-32-8	95
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
4	Benzo[e]pyrene	252	C20H12	000192-97-2	91
5	Perylene	252	C20H12	000198-55-0	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021023\
Data File : BG056613.D
Acq On : 10 Feb 2023 20:04
Operator : CG/JU
Sample : 01510-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TWM-TP14-020823

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.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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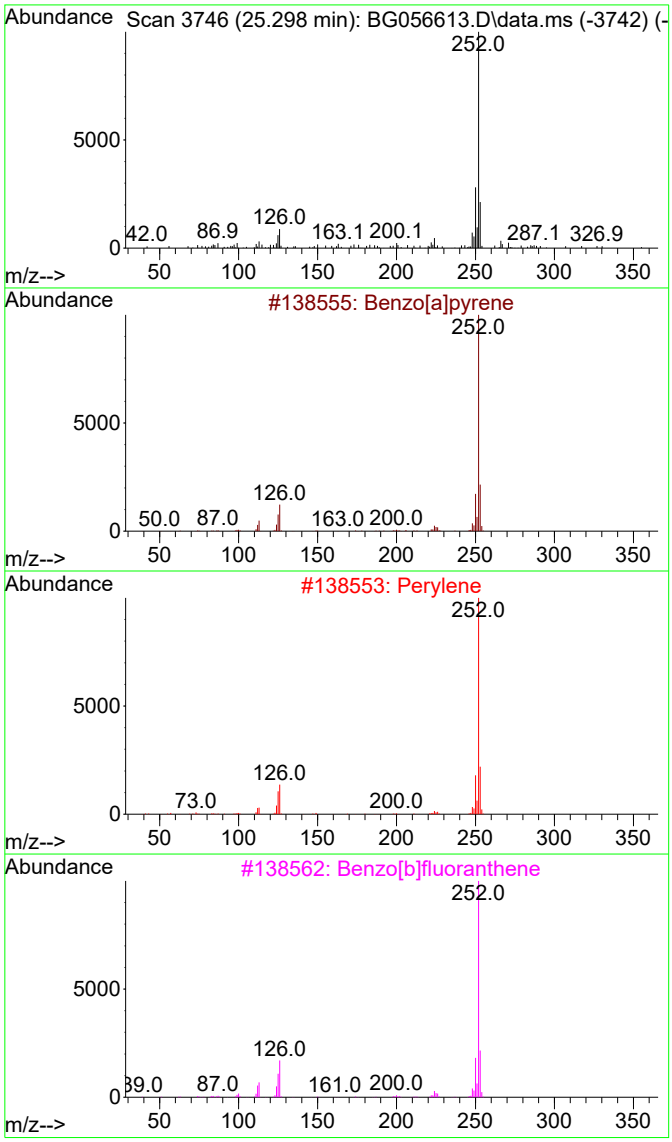
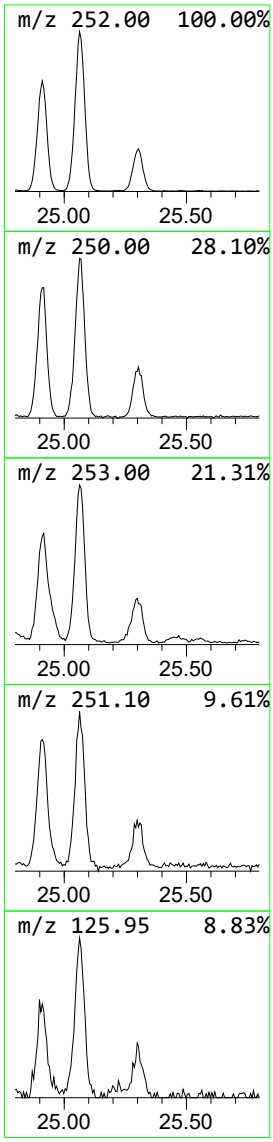
Peak Number 20 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.298	8.30 ng	227099	Perylene-d12	25.222

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021023\
Data File : BG056613.D
Acq On : 10 Feb 2023 20:04
Operator : CG/JU
Sample : 01510-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TWM-TP14-020823

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.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-Pentanol, 2,4...	5.239	16.0	ng	130040	1	8.212	162499	20.0
Benzophenone	16.180	22.5	ng	468109	3	14.840	415310	20.0
Methanone, (1-h...	16.738	2.2	ng	59092	4	17.578	534855	20.0
5H-Indeno[1,2-b...	17.977	2.2	ng	58924	4	17.578	534855	20.0
Phenanthrene, 2...	18.447	4.7	ng	125369	4	17.578	534855	20.0
Phenanthrene, 1...	18.494	5.3	ng	142981	4	17.578	534855	20.0
Anthracene, 1-m...	18.571	2.1	ng	55763	4	17.578	534855	20.0
4H-Cyclopenta[d...	18.641	8.2	ng	220103	4	17.578	534855	20.0
Anthracene, 2-m...	18.677	2.6	ng	69553	4	17.578	534855	20.0
5,16[1',2']:8,1...	18.929	4.4	ng	117253	4	17.578	534855	20.0
di-p-Tolylacety...	19.346	3.4	ng	89464	4	17.578	534855	20.0
Cyclopenta(def)...	19.493	2.7	ng	73127	4	17.578	534855	20.0
11H-Benzo[b]flu...	20.286	2.4	ng	156798	5	21.855	1299640	20.0
Pyrene, 1-methyl-	20.457	2.3	ng	151991	5	21.855	1299640	20.0
Pyrene, 2-methyl-	20.616	2.4	ng	155459	5	21.855	1299640	20.0
Cyclopenta[cd]p...	21.514	2.1	ng	139077	5	21.855	1299640	20.0
Perylene	24.411	3.6	ng	97676	6	25.222	547518	20.0
Benzo[j]fluoran...	24.910	20.8	ng	567982	6	25.222	547518	20.0
Benzo[e]pyrene	25.298	8.3	ng	227099	6	25.222	547518	20.0