LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062023\
Data File : BG057783.D
Acq On : 20 Jun 2023 19:43
Operator : CG/JU
Sample : 03289-08 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-03-4.0-6.0

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-BG061923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG057783.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.034	326	331	339	rBV	64798	96713	1.85%	0.195%
2	5.498	404	410	424	rVB	355341	565177	10.84%	1.140%
3	7.090	673	681	688	rBV	352336	605682	11.61%	1.222%
4	7.931	815	824	832	rBV	156071	268413	5.15%	0.542%
5	9.088	1014	1021	1028	rBV	200450	354726	6.80%	0.716%
6	10.733	1291	1301	1306	rBV	219373	401882	7.71%	0.811%
7	10.780	1306	1309	1319	rVB	40150	63401	1.22%	0.128%
8	12.390	1576	1583	1590	rBV	32203	53073	1.02%	0.107%
9	12.607	1612	1620	1626	rBV	32880	52357	1.00%	0.106%
10	13.183	1711	1718	1725	rVB	532517	794701	15.24%	1.604%
11	13.882	1829	1837	1842	rBV2	40951	71319	1.37%	0.144%
12	14.564	1943	1953	1958	rBV	325258	538886	10.33%	1.087%
13	14.623	1958	1963	1970	rVB	210872	331603	6.36%	0.669%
14	14.958	2014	2020	2027	rVB	123669	190608	3.65%	0.385%
15	15.610	2124	2131	2141	rVB	242662	372027	7.13%	0.751%
16	15.768	2155	2158	2163	rVB	38984	52964	1.02%	0.107%
17	15.909	2176	2182	2190	rVB2	92323	184702	3.54%	0.373%
18	16.045	2196	2205	2213	rBV2	464732	743309	14.25%	1.500%
19	16.280	2236	2245	2252	rVB7	31990	76006	1.46%	0.153%
20	16.609	2290	2301	2306	rBV3	63771	161071	3.09%	0.325%
21	16.761	2321	2327	2332	rVB2	26796	52315	1.00%	0.106%
22	16.955	2355	2360	2368	rVB	95925	158938	3.05%	0.321%
23	17.038	2368	2374	2381	rBV4	48841	127838	2.45%	0.258%
24	17.126	2384	2389	2398	rVB	129358	207232	3.97%	0.418%
25	17.308	2414	2420	2423	rBV	395178	617523	11.84%	1.246%
26	17.355	2423	2428	2434	rVV	2122357	3299377	63.26%	6.658%
27	17.443	2434	2443	2448	rVV	583768	934580	17.92%	1.886%
28	17.496	2448	2452	2457	rVB3	48002	85467	1.64%	0.172%
29	17.707	2477	2488	2492	rBV2	192890	360266	6.91%	0.727%
30	17.884	2514	2518	2526	rVB2	52483	83144	1.59%	0.168%
31	18.025	2538	2542	2550	rVB2	25810	53962	1.03%	0.109%
32	18.183	2559	2569	2573	rBV	314729	550074	10.55%	1.110%
33	18.230	2573	2577	2583	rVB	416964	615336	11.80%	1.242%
34	18.313	2584	2591	2596	rBV	174495	274005	5.25%	0.553%
35	18.377	2596	2602	2606	rVV2	470107	874335	16.76%	1.764%
36	18.412	2606	2608	2613	rVB	199295	240163	4.60%	0.485%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062023\
Data File : BG057783.D
Acq On : 20 Jun 2023 19:43
Operator : CG/JU
Sample : 03289-08 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-03-4.0-6.0

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-BG061923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.677	2649	2653	2657	rBV	223341	326474	6.26%	0.659%
38	18.718	2657	2660	2668	rVB	146495	213276	4.09%	0.430%
39	18.924	2691	2695	2699	rBV	72187	92660	1.78%	0.187%
40	18.976	2700	2704	2707	rVV	72929	93763	1.80%	0.189%
41	19.012	2707	2710	2714	rVB	73452	89028	1.71%	0.180%
42	19.094	2719	2724	2730	rBV2	160788	314572	6.03%	0.635%
43	19.159	2731	2735	2739	rBV3	67761	104641	2.01%	0.211%
44	19.241	2744	2749	2758	rVV	151050	261066	5.01%	0.527%
45	19.370	2764	2771	2776	rBV	3144634	4871125	93.40%	9.829%
46	19.423	2776	2780	2783	rVV	50481	78629	1.51%	0.159%
47	19.458	2783	2786	2791	rVB	99281	137116	2.63%	0.277%
48	19.552	2798	2802	2805	rBV3	54321	89158	1.71%	0.180%
49	19.605	2806	2811	2815	rVV	118654	181052	3.47%	0.365%
50	19.728	2821	2832	2839	rBV2	2541230	5215540	100.00%	10.524%
51	19.793	2839	2843	2849	rVB2	170717	287037	5.50%	0.579%
52	19.922	2857	2865	2869	rBV2	783273	1246231	23.89%	2.515%
53	19.958	2869	2871	2877	rVB	189941	255082	4.89%	0.515%
54	20.040	2880	2885	2886	rBV	223222	309916	5.94%	0.625%
55	20.099	2892	2895	2898	rVB2	62697	67334	1.29%	0.136%
56	20.181	2904	2909	2910	rBV4	126392	194143	3.72%	0.392%
57	20.216	2911	2915	2920	rVB	563449	802282	15.38%	1.619%
58	20.316	2927	2932	2936	rBV2	441537	613748	11.77%	1.238%
59	20.369	2936	2941	2945	rVV2	289591	538626	10.33%	1.087%
60	20.410	2945	2948	2952	rVB	159671	187550	3.60%	0.378%
61	20.451	2952	2955	2960	rVB3	76249	107367	2.06%	0.217%
62	20.510	2962	2965	2969	rBV	136314	185552	3.56%	0.374%
63	20.557	2969	2973	2977	rVV	154772	202535	3.88%	0.409%
64	20.927	3033	3036	3039	rBV3	58612	83131	1.59%	0.168%
65	20.968	3039	3043	3050	rVB	265253	422027	8.09%	0.852%
66	21.150	3067	3074	3078	rBV2	314163	614844	11.79%	1.241%
67	21.191	3078	3081	3085	rVV	290977	467017	8.95%	0.942%
68	21.244	3085	3090	3094	rVV2	286276	592555	11.36%	1.196%
69	21.297	3094	3099	3108	rVB2	317603	566494	10.86%	1.143%
70	21.550	3132	3142	3148	rBV3	1802523	3980982	76.33%	8.033%
71	21.615	3149	3153	3164	rVB	1460042	2547241	48.84%	5.140%
72	21.761	3173	3178	3183	rBV	331405	517598	9.92%	1.044%
73	21.961	3207	3212	3219	rBV2	215337	445467	8.54%	0.899%
74	22.278	3263	3266	3273	rVB	238948	399330	7.66%	0.806%
75	22.355	3275	3279	3285	rVB	148067	270163	5.18%	0.545%
76	22.549	3309	3312	3316	rBV3	90973	125613	2.41%	0.253%

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062023\
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Operator : CG/JU
Sample : 03289-08 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-03-4.0-6.0

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
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	23.736	3504	3514	3521	rBV2	884501	3187091	61.11%	6.431%
78	23.976	3550	3555	3563	rVB	175044	386664	7.41%	0.780%
79	24.441	3627	3634	3647	rVB2	462369	1385832	26.57%	2.796%
80	24.588	3650	3659	3673	rVB	681993	1987035	38.10%	4.010%

Sum of corrected areas: 49557762

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062023\
Data File : BG057783.D
Acq On : 20 Jun 2023 19:43
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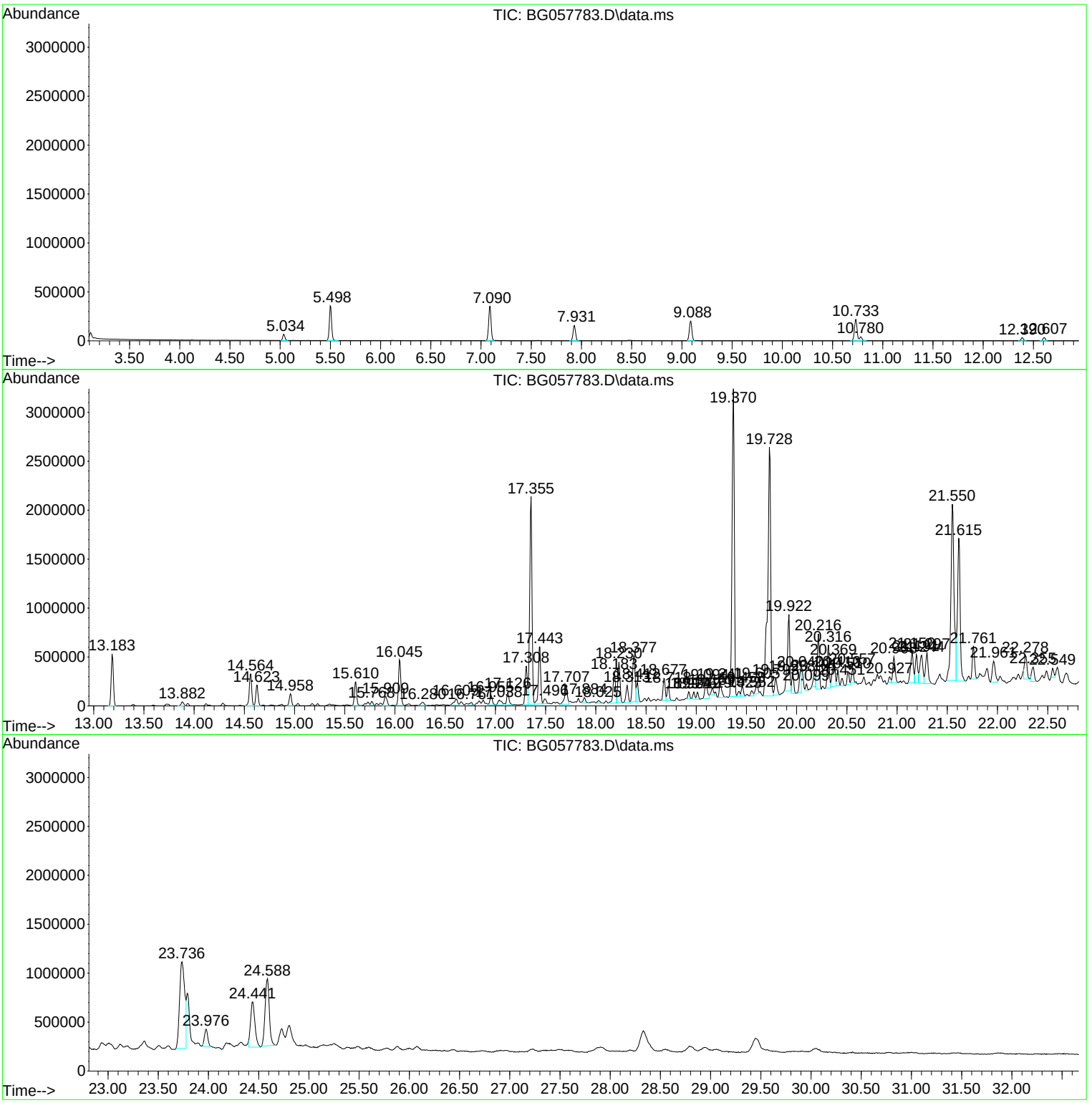
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-03-4.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.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\BG062023\
Data File : BG057783.D
Acq On : 20 Jun 2023 19:43
Operator : CG/JU
Sample : 03289-08 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-03-4.0-6.0

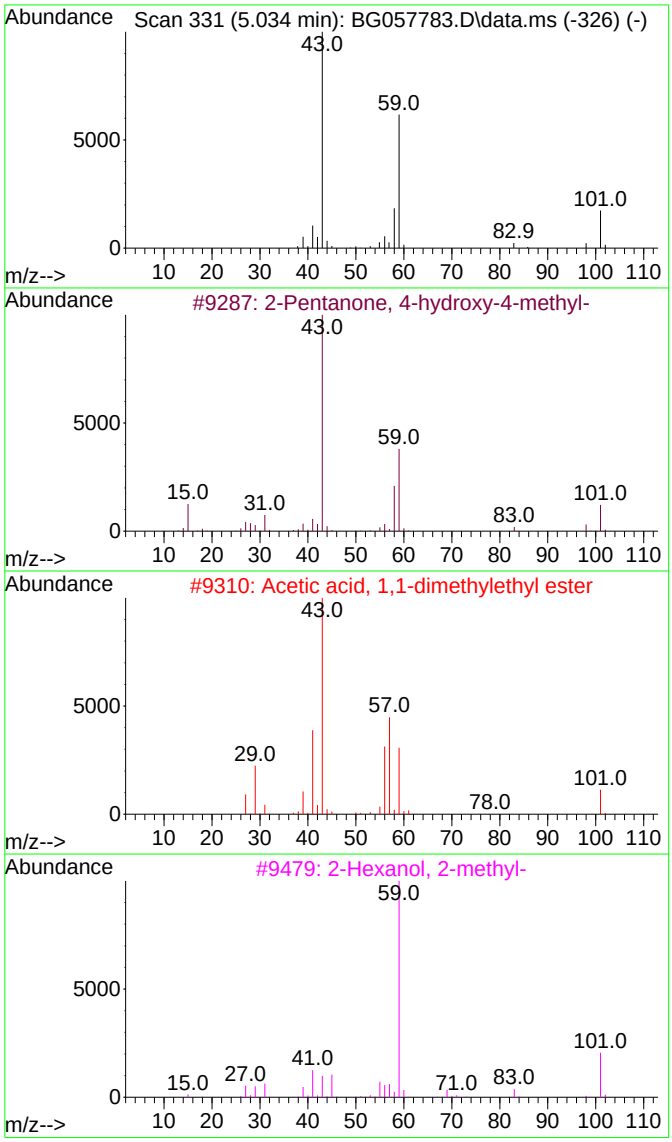
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

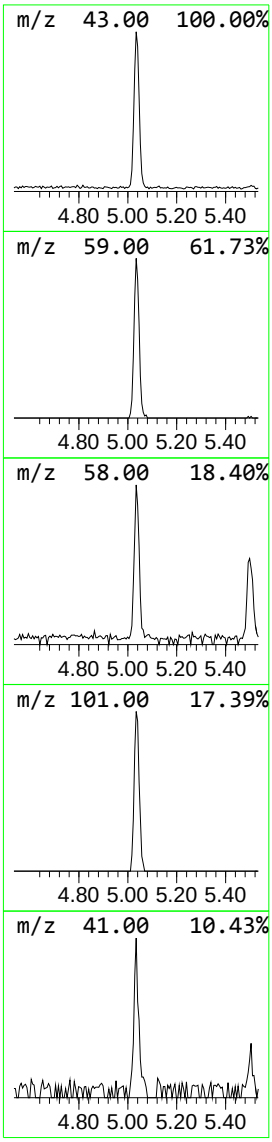
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.034	7.21 ng	96713	1,4-Dichlorobenzene-d4	7.931

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
5	Acetone	58	C3H6O	000067-64-1	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062023\
Data File : BG057783.D
Acq On : 20 Jun 2023 19:43
Operator : CG/JU
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Misc :
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Instrument :
BNA_G
ClientSampleId :
SB-03-4.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

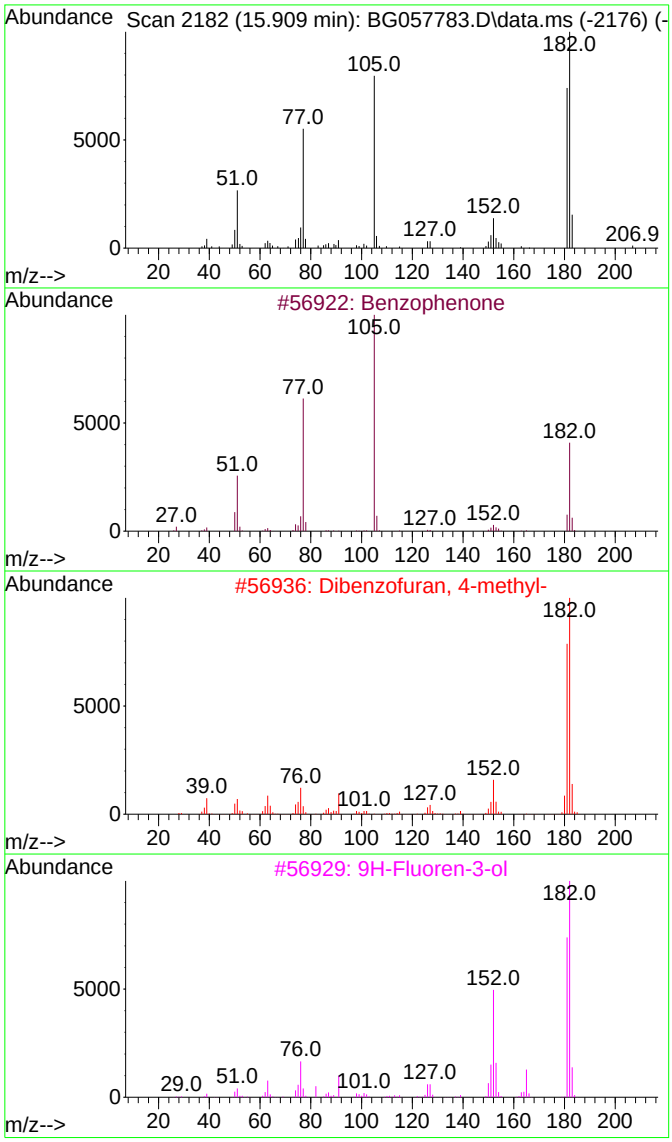
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

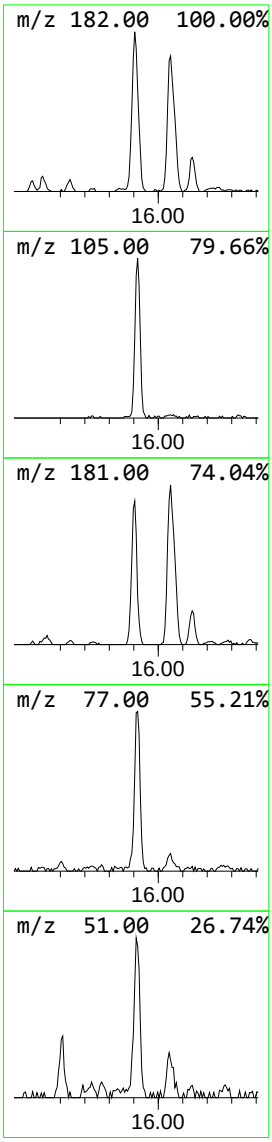
****

Peak Number 2 Benzophenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.909	6.85 ng	184702	Acenaphthene-d10	14.564

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	70
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	70
3	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	62
4	8-Methyl-5H-pyrido[4,3-b]indole	182	C12H10N2	088894-13-7	52
5	1-(Difluoromethyl)-6-methylpyrro...	182	C9H8F2N2	1000411-14-9	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062023\
Data File : BG057783.D
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BNA_G
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SB-03-4.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

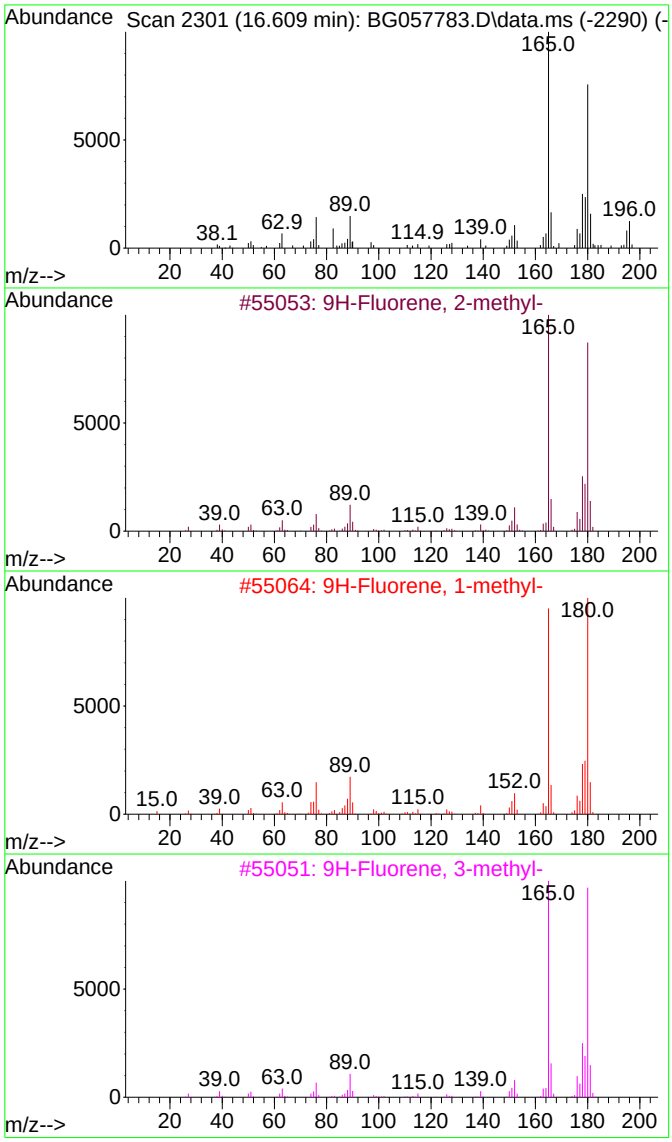
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

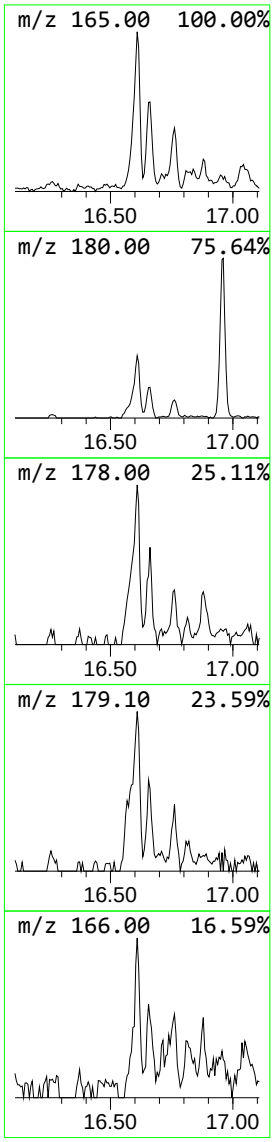
****

Peak Number 3 9H-Fluorene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.609	5.22 ng	161071	Phenanthrene-d10	17.308

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	98
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	91
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062023\
Data File : BG057783.D
Acq On : 20 Jun 2023 19:43
Operator : CG/JU
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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-03-4.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

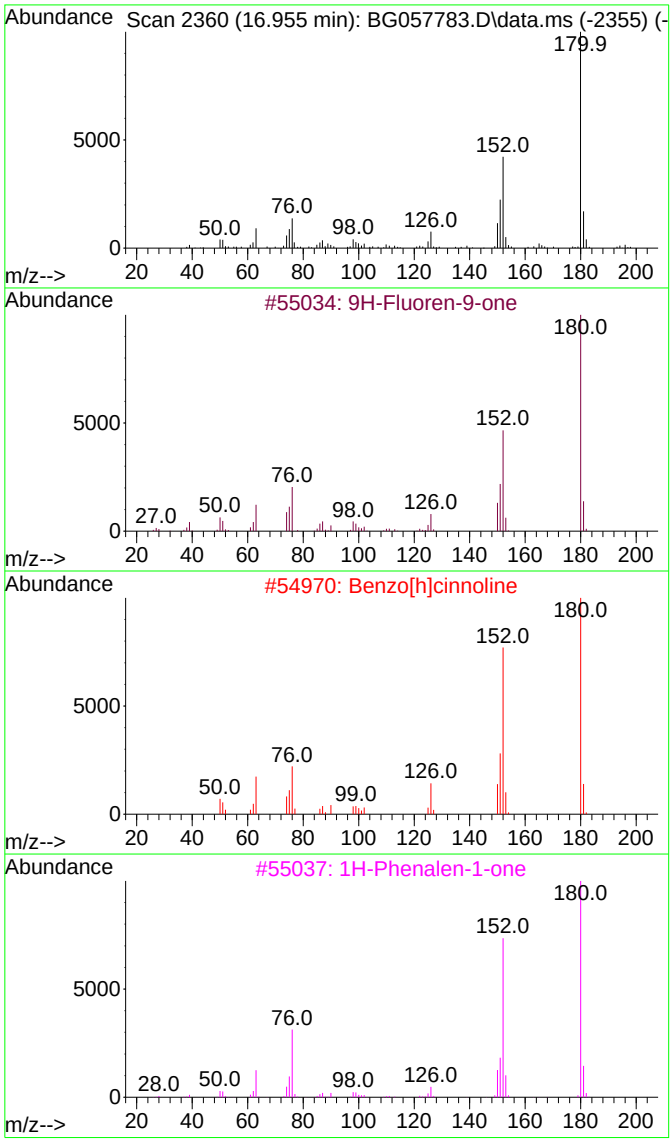
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

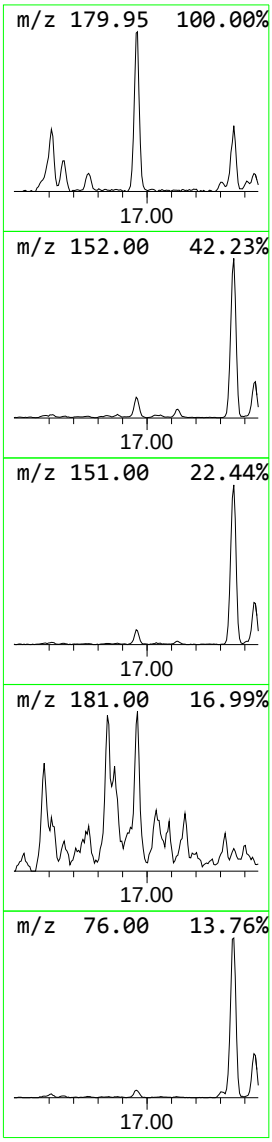
****

Peak Number 4 9H-Fluoren-9-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.955	5.15 ng	158938	Phenanthrene-d10	17.308

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	58
4	1,1'-Biphenyl, 4-ethenyl-	180	C14H12	002350-89-2	50
5	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062023\
Data File : BG057783.D
Acq On : 20 Jun 2023 19:43
Operator : CG/JU
Sample : 03289-08 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-03-4.0-6.0

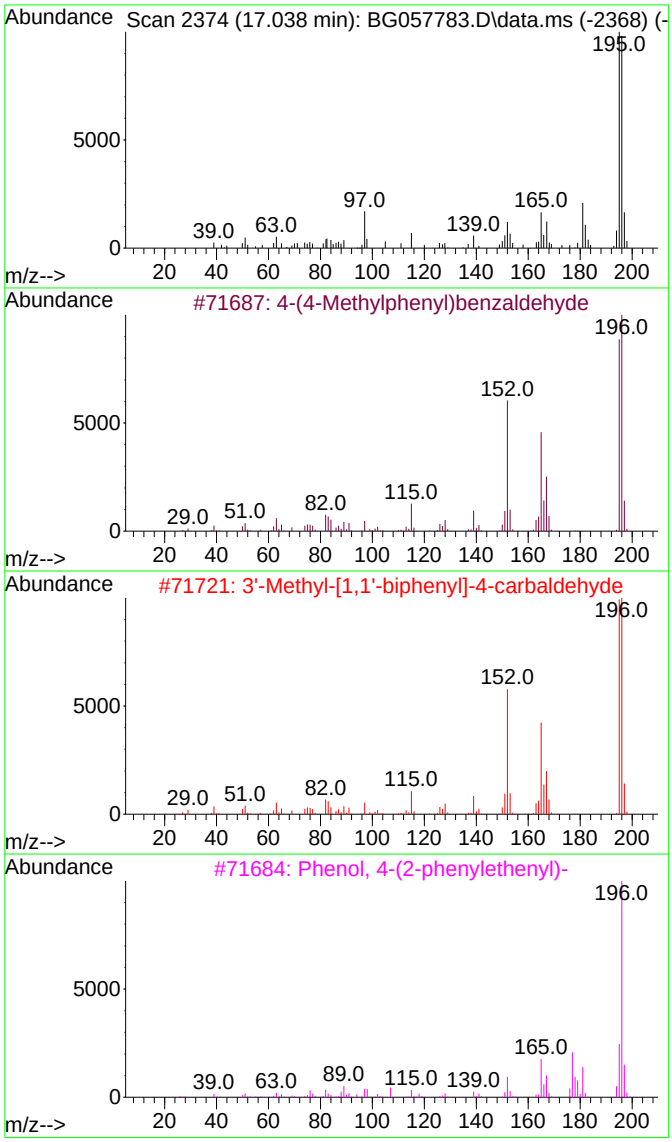
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

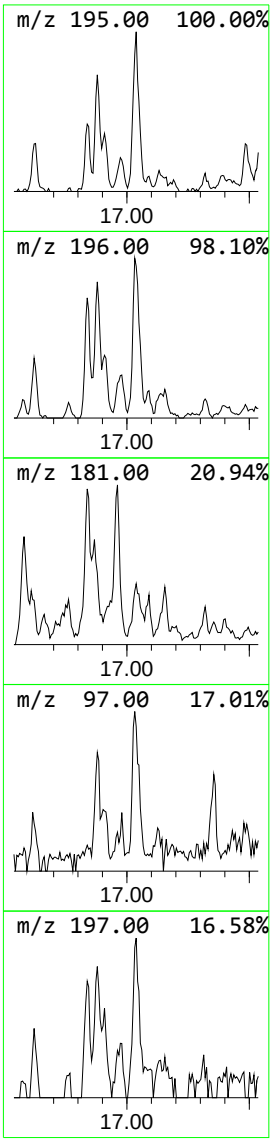
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 4-(4-Methylphenyl)benzaldehyde Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.038	4.14 ng	127838	Phenanthrene-d10	17.308

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	81
2	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	81
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	64
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	60
5	Benzenamine, 3-[2-(4-pyridinyl)e...	196	C13H12N2	1000337-31-3	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062023\
Data File : BG057783.D
Acq On : 20 Jun 2023 19:43
Operator : CG/JU
Sample : 03289-08 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-03-4.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

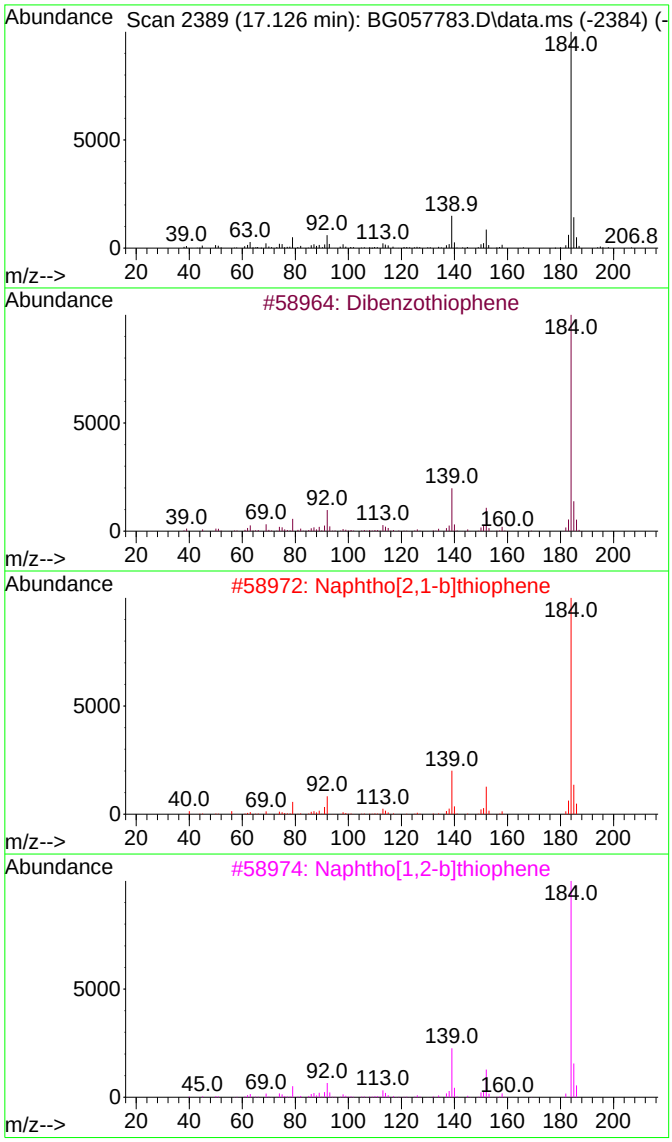
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

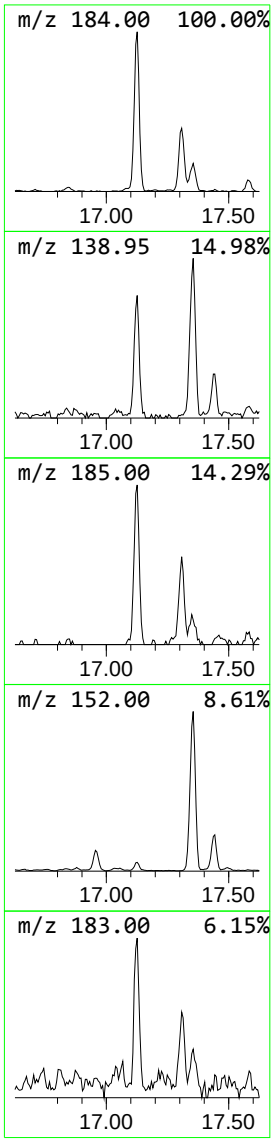
****

Peak Number 6 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.126	6.71 ng	207232	Phenanthrene-d10	17.308

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87





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Acq On : 20 Jun 2023 19:43
Operator : CG/JU
Sample : 03289-08 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-03-4.0-6.0

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

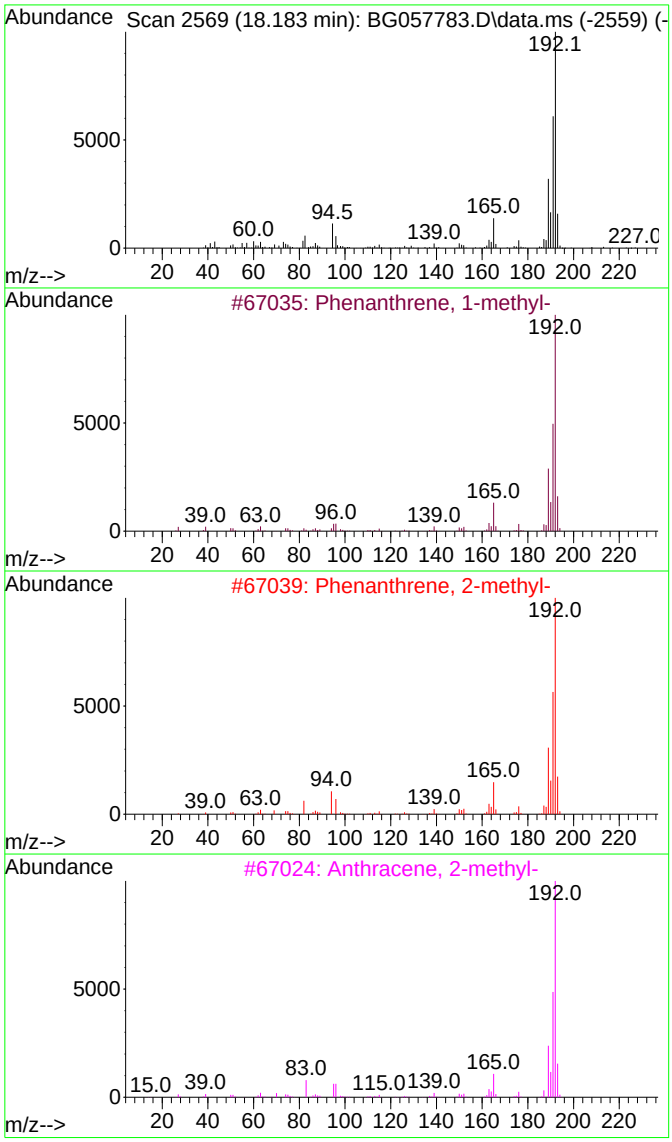
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

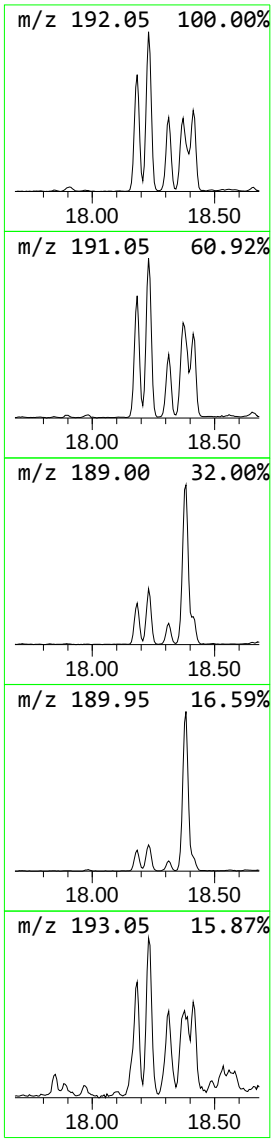
****

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.183	17.82 ng	550074	Phenanthrene-d10	17.308

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	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Sample : 03289-08 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-03-4.0-6.0

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

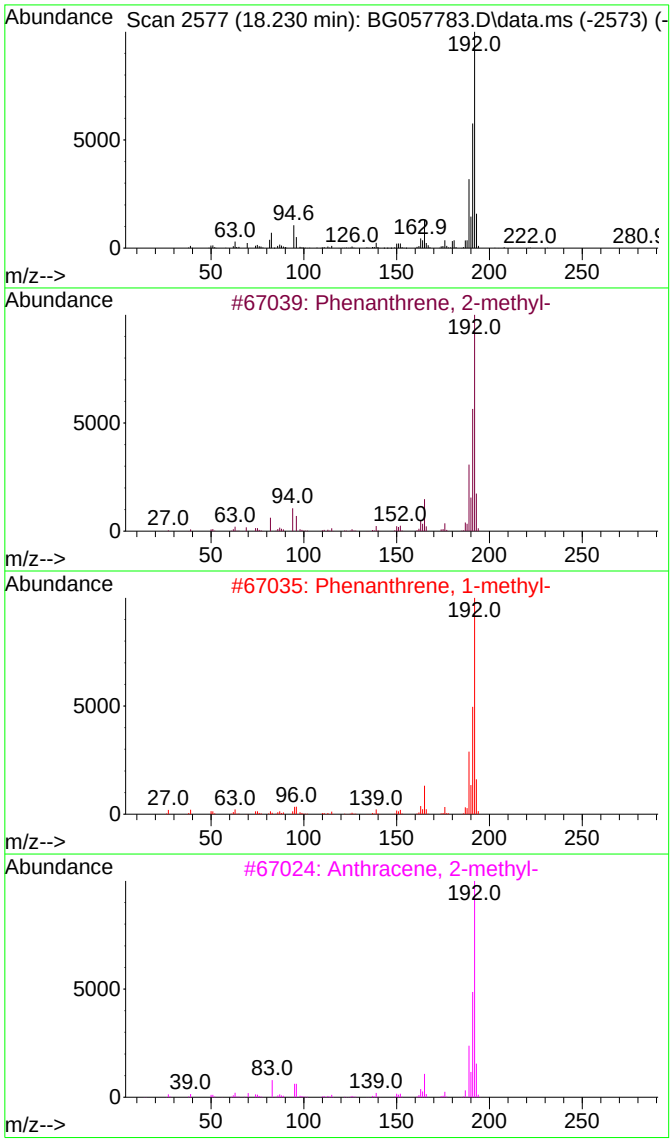
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

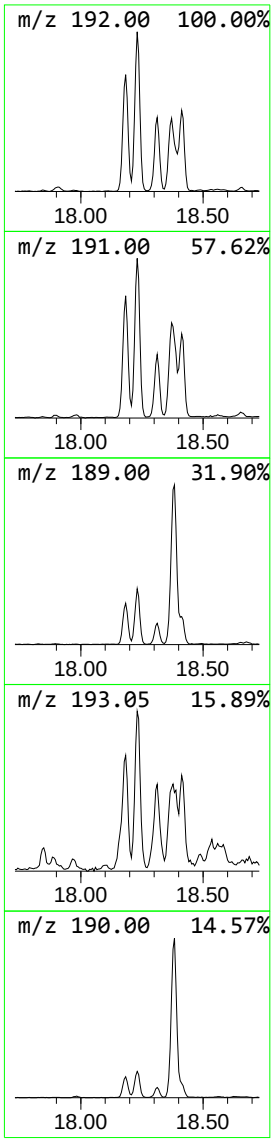
****

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.230	19.93 ng	615336	Phenanthrene-d10	17.308

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-03-4.0-6.0

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

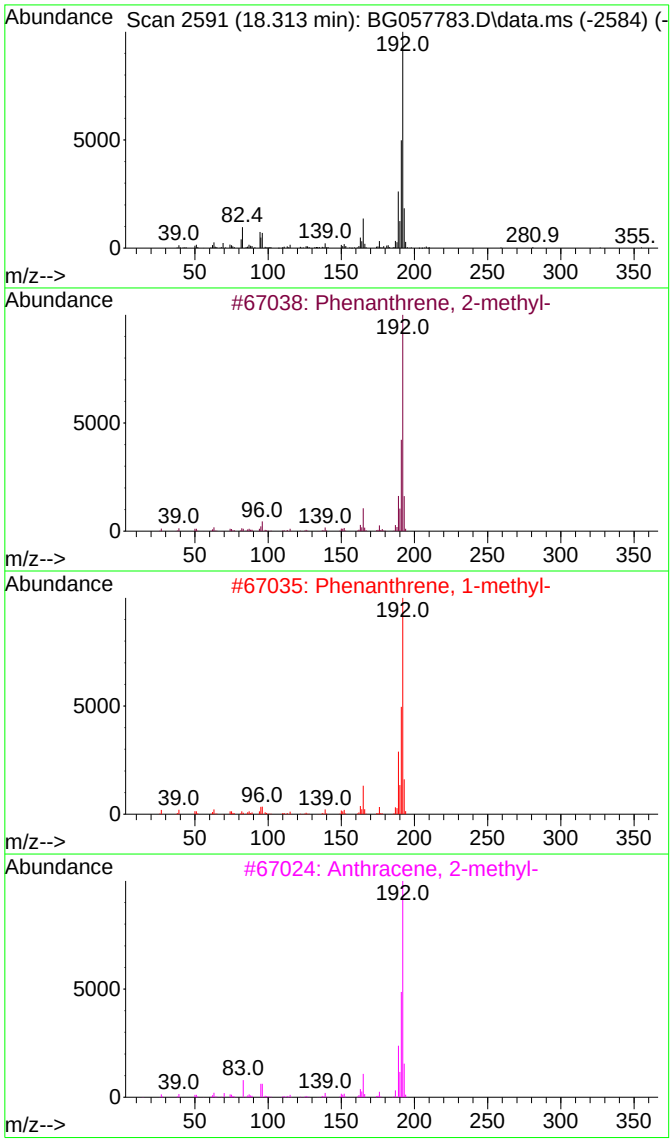
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

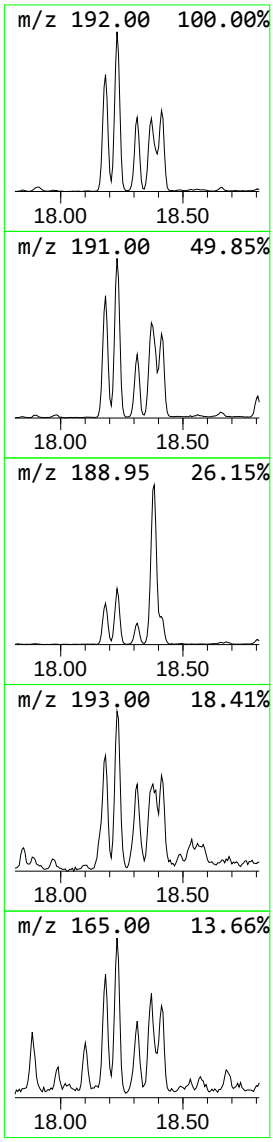
****

Peak Number 9 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.313	8.87 ng	274005	Phenanthrene-d10	17.308

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, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Operator : CG/JU
Sample : 03289-08 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-03-4.0-6.0

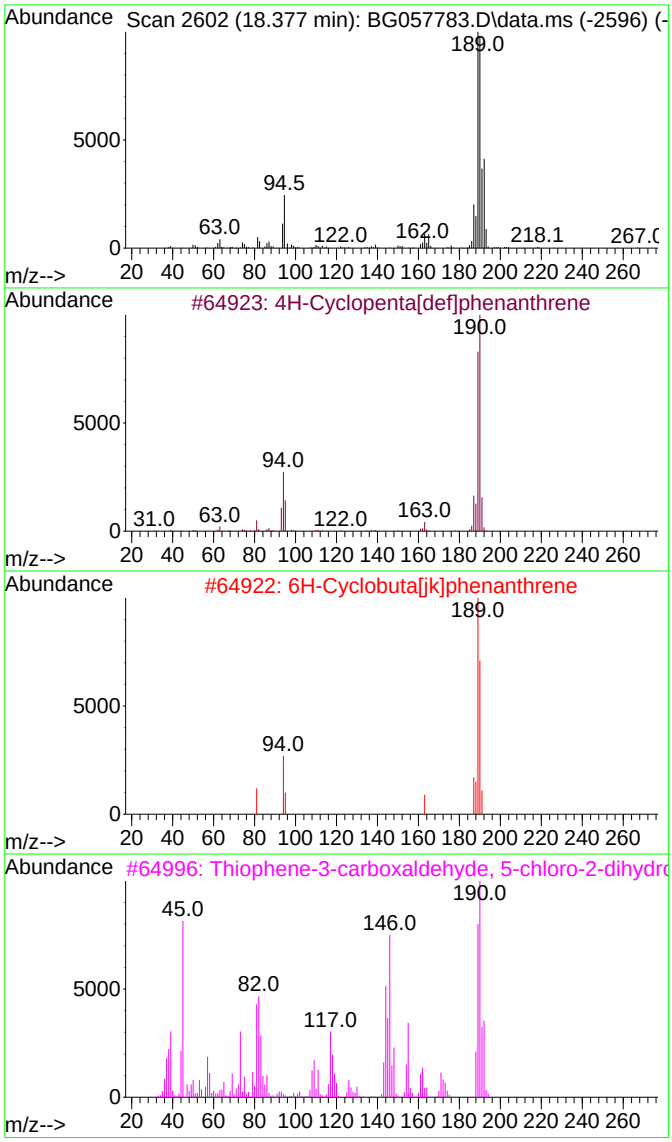
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

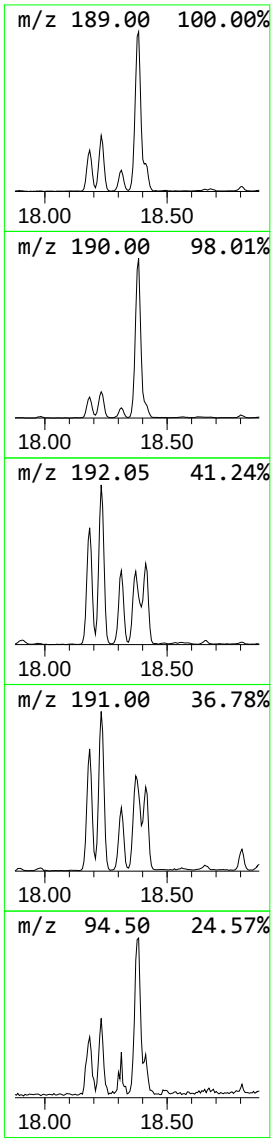
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.377	28.32 ng	874335	Phenanthrene-d10	17.308

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	Methyl diselenide	190	C2H6Se2	007101-31-7	43
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42





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Misc :
ALS Vial : 18 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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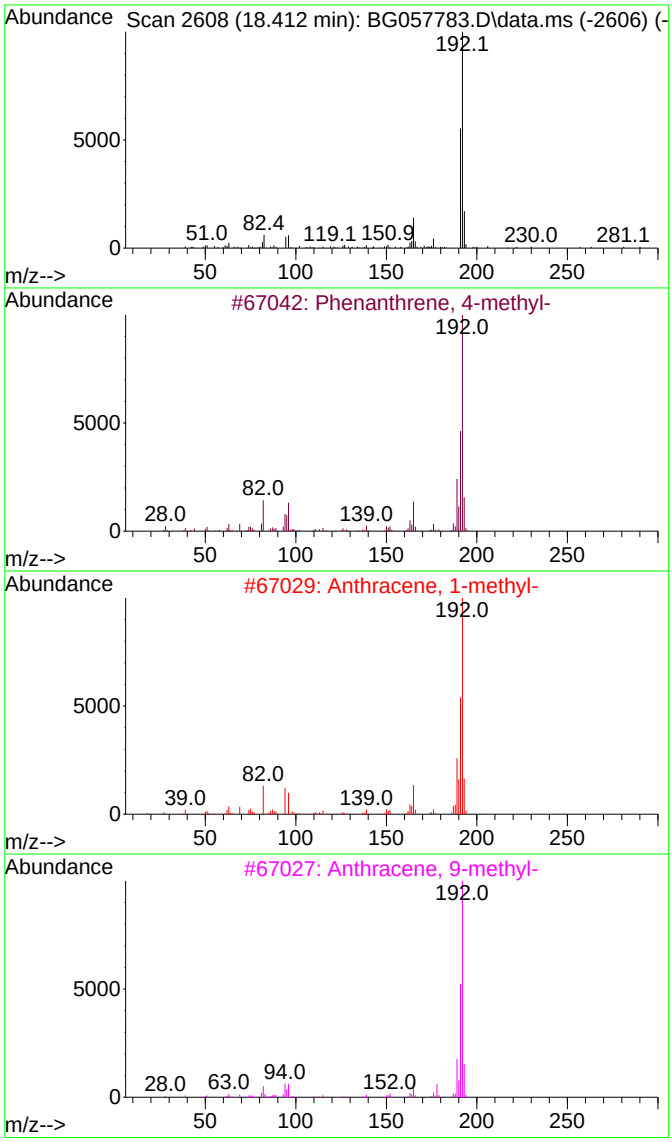
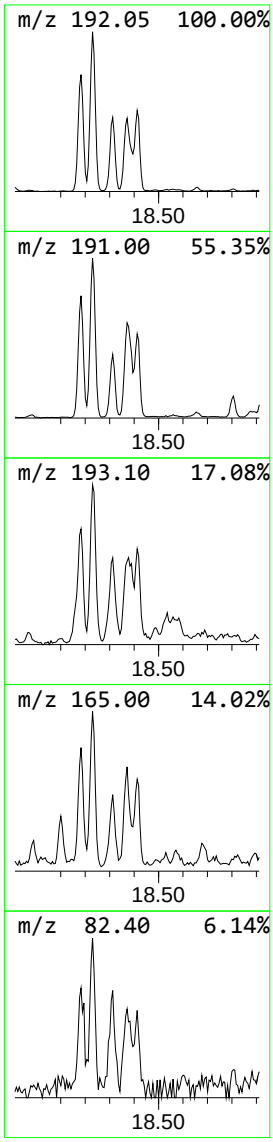
Peak Number 11 Phenanthrene, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.412	7.78 ng	240163	Phenanthrene-d10	17.308

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





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Sample : 03289-08 2X
Misc :
ALS Vial : 18 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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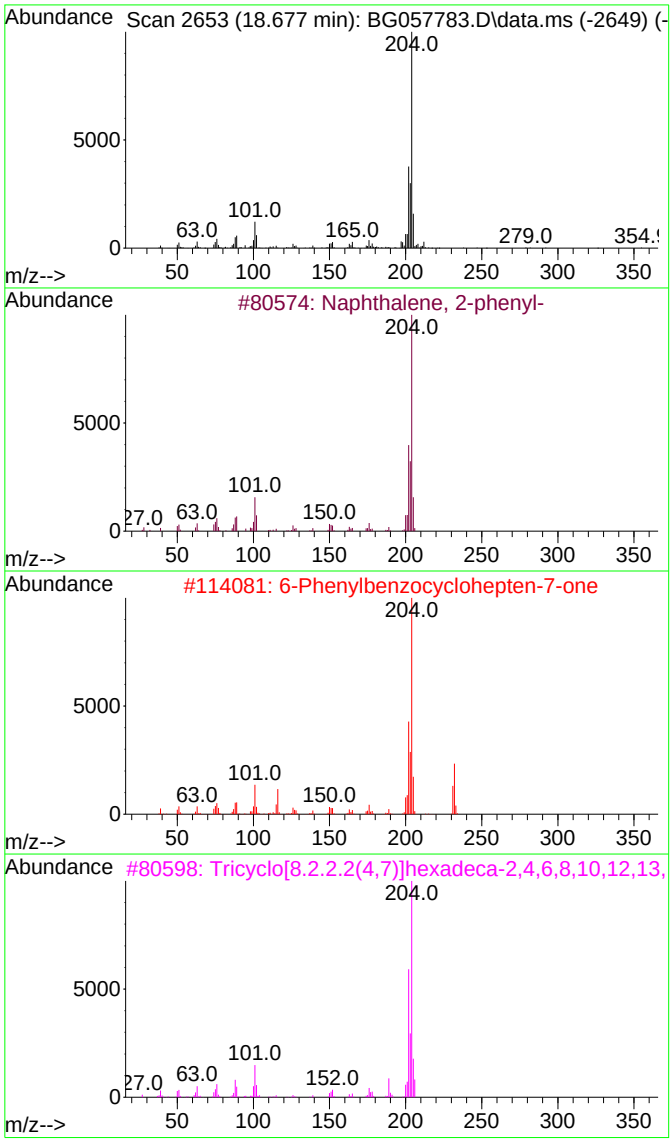
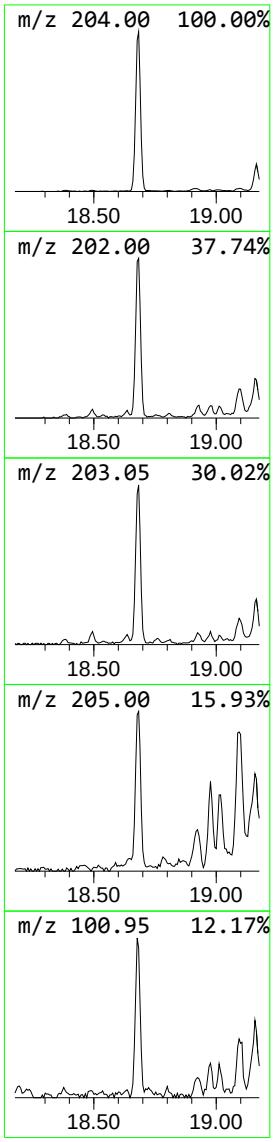
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.677	10.57 ng	326474	Phenanthrene-d10	17.308

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	91
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	90
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86





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Operator : CG/JU
Sample : 03289-08 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

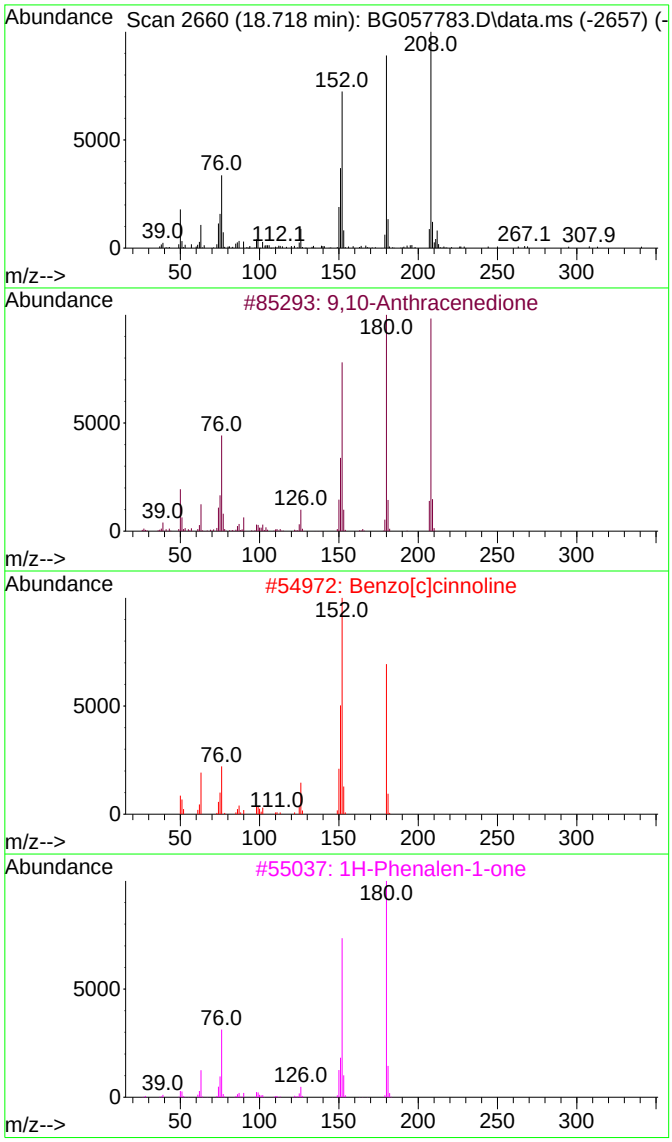
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

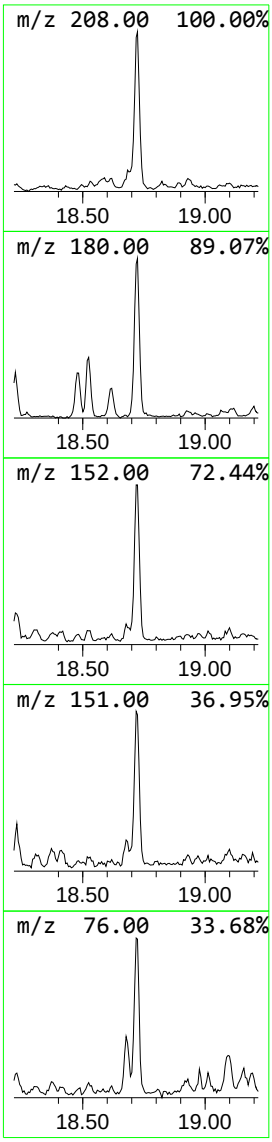
****

Peak Number 13 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.718	6.91 ng	213276	Phenanthrene-d10	17.308

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	50
5	Diphenic anhydride	224	C14H8O3	006050-13-1	47





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Misc :
ALS Vial : 18 Sample Multiplier: 1

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

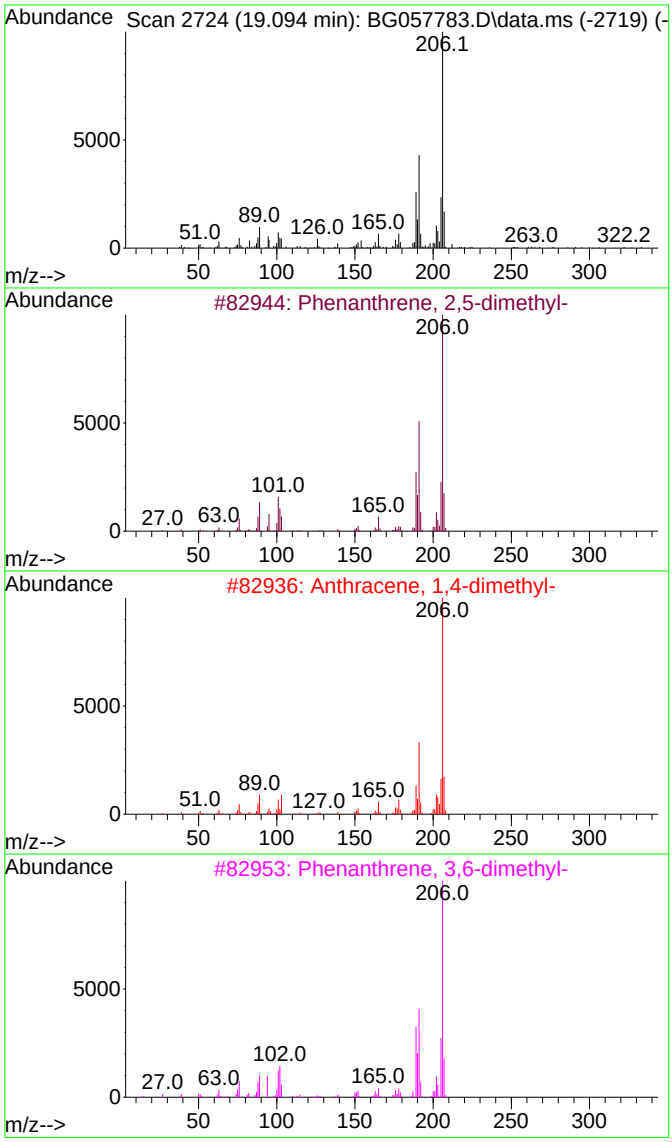
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

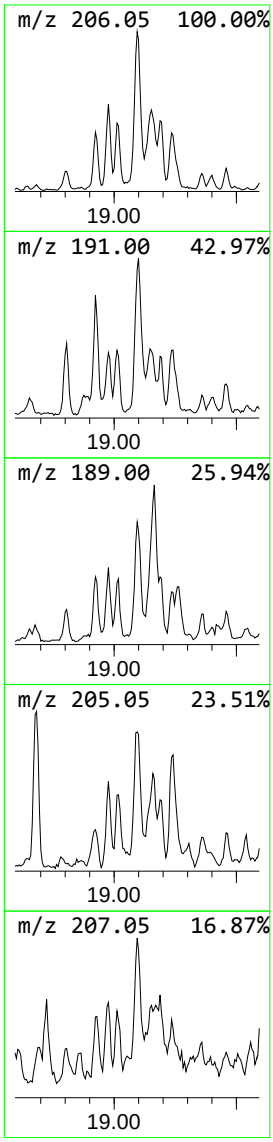
****

Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.094	10.19 ng	314572	Phenanthrene-d10	17.308

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





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Misc :
ALS Vial : 18 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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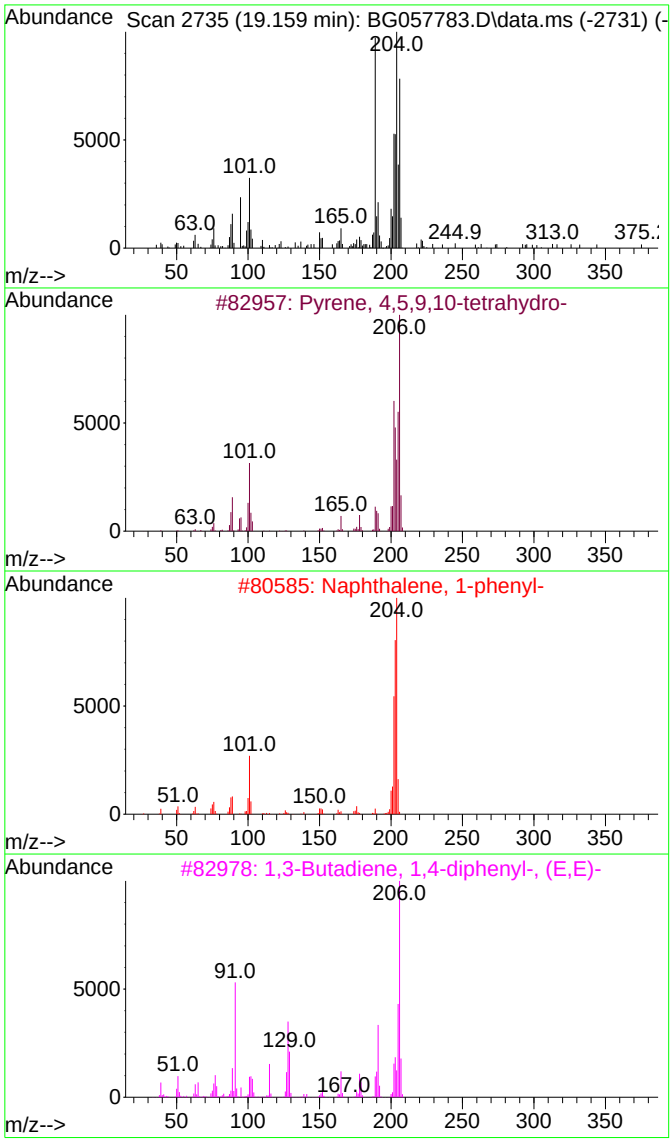
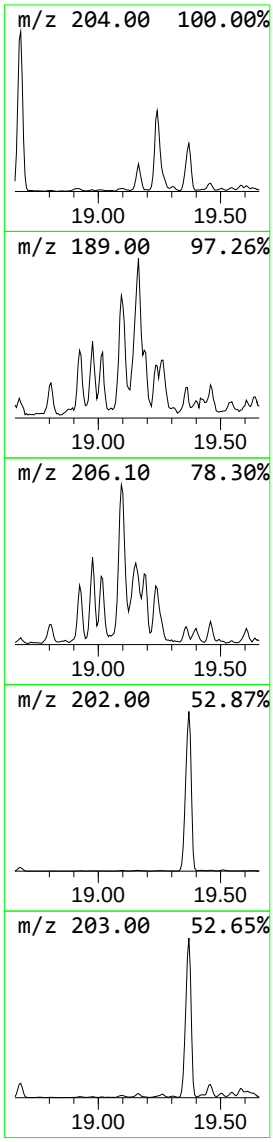
Peak Number 15 Pyrene, 4,5,9,10-tetrahydro- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.159	3.39 ng	104641	Phenanthrene-d10	17.308

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	70
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	44
3	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	38
4	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	38
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	35





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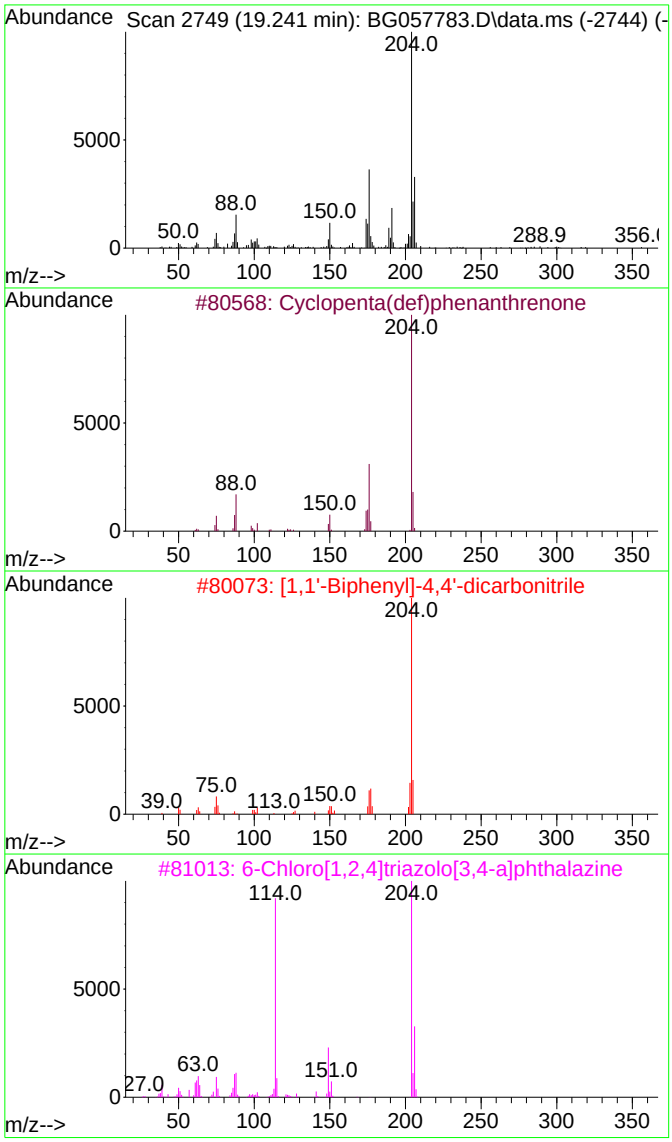
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

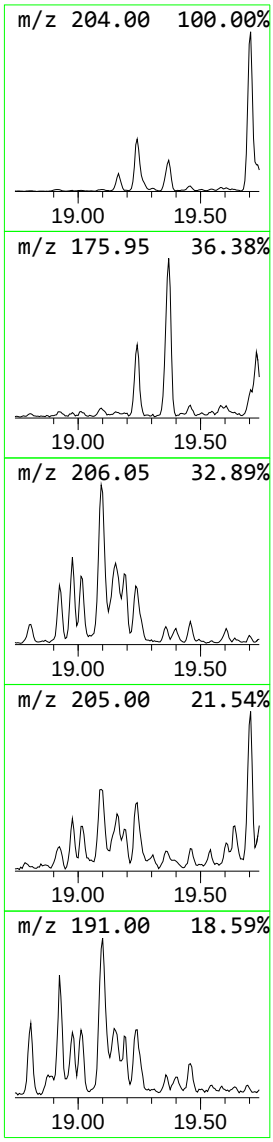
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.241	8.46 ng	261066	Phenanthrene-d10	17.308

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
3	6-Chloro[1,2,4]triazolo[3,4-a]ph...	204	C9H5ClN4	052494-53-8	49
4	L-Rhamnose, (R,R,S,S)-, 4TMS der...	452	C18H44O5Si4	108392-01-4	47
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	47





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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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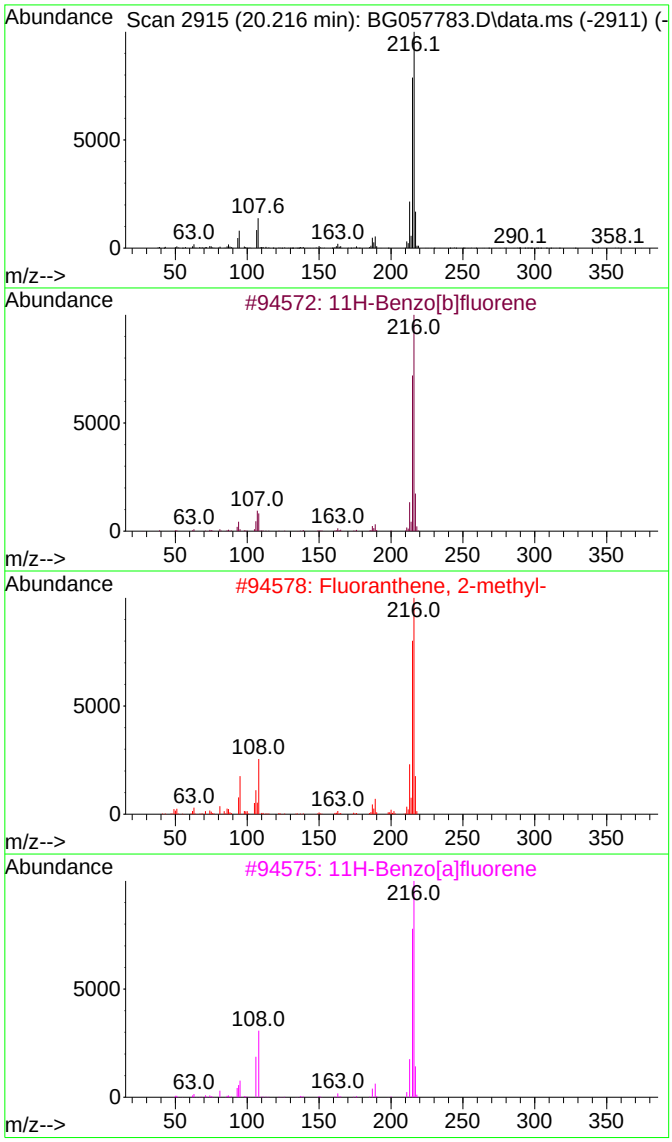
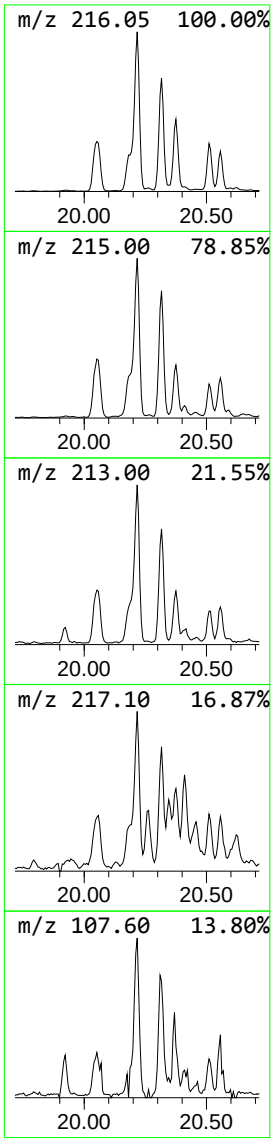
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.216	4.03 ng	802282	Chrysene-d12	21.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87





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Data File : BG057783.D
Acq On : 20 Jun 2023 19:43
Operator : CG/JU
Sample : 03289-08 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-03-4.0-6.0

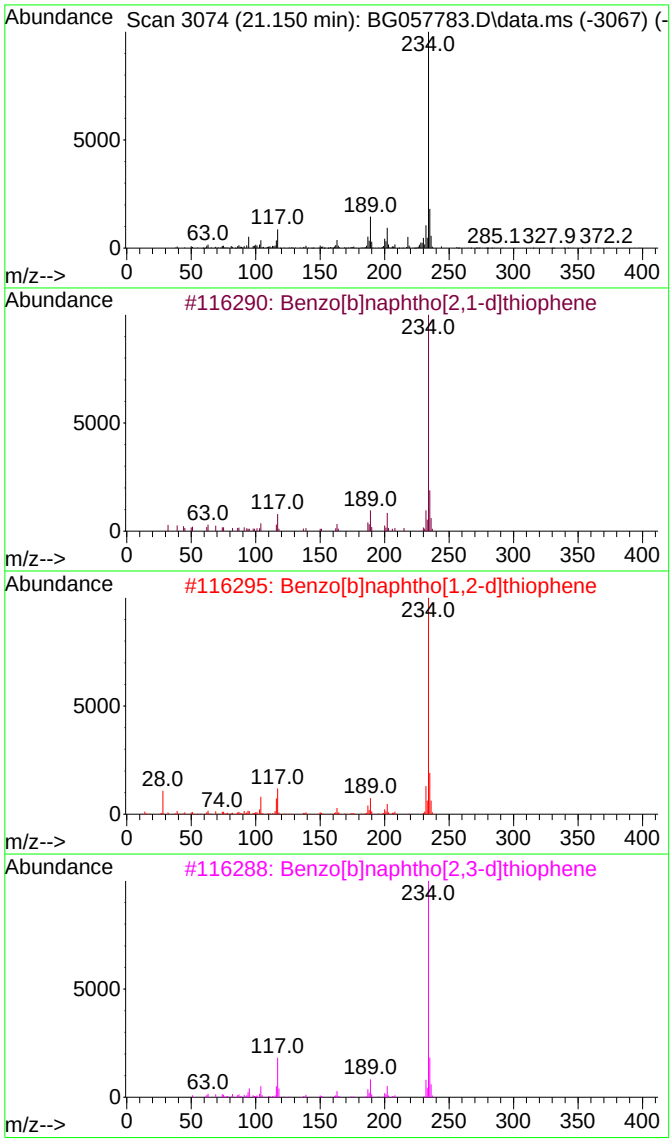
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

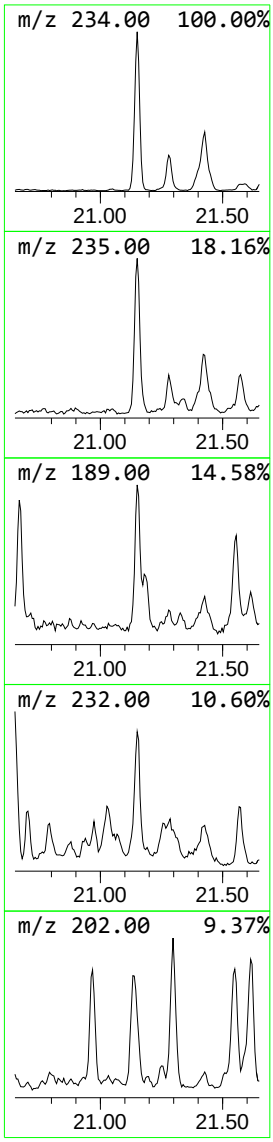
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.150	3.09 ng	614844	Chrysene-d12	21.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	94
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
4	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	91
5	Phenanthro[4,3-b]thiophene	234	C16H10S	000195-68-6	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062023\
Data File : BG057783.D
Acq On : 20 Jun 2023 19:43
Operator : CG/JU
Sample : 03289-08 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-03-4.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

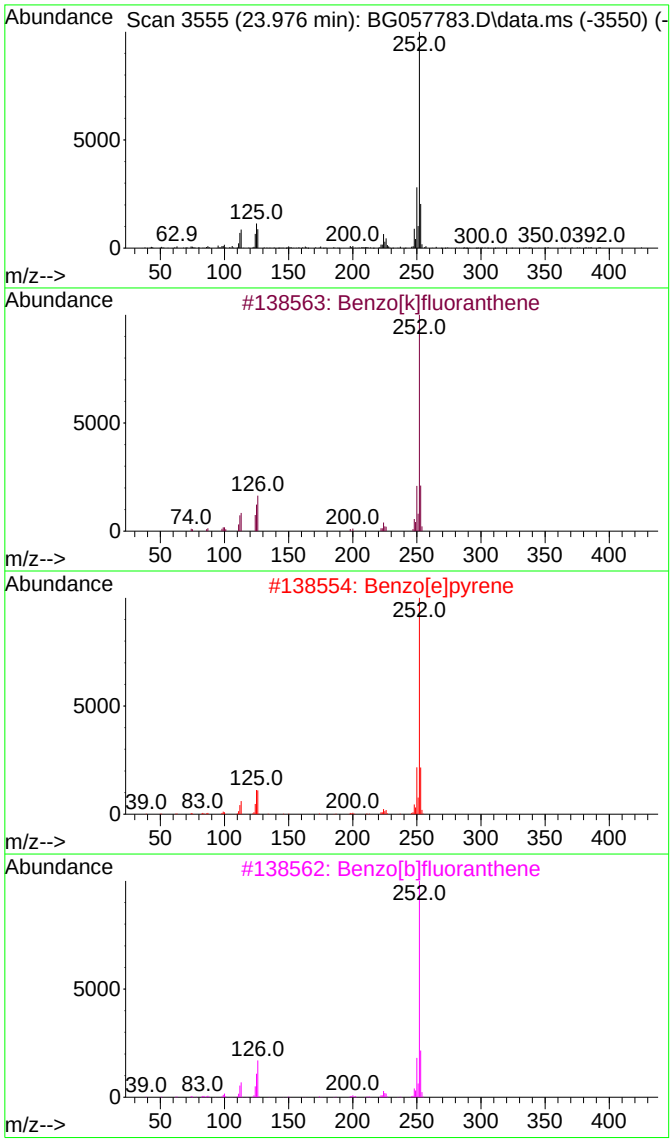
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

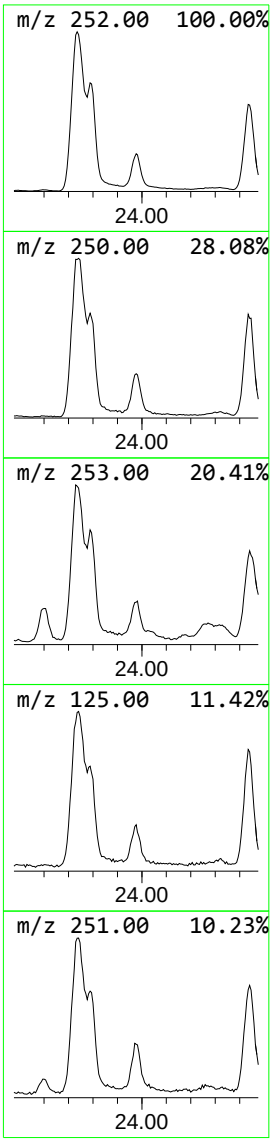
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.976	3.89 ng	386664	Perylene-d12	24.723

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
2	Benzo[e]pyrene	252	C20H12	000192-97-2	96
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89
5	Benzo[a]pyrene	252	C20H12	000050-32-8	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062023\
Data File : BG057783.D
Acq On : 20 Jun 2023 19:43
Operator : CG/JU
Sample : 03289-08 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-03-4.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

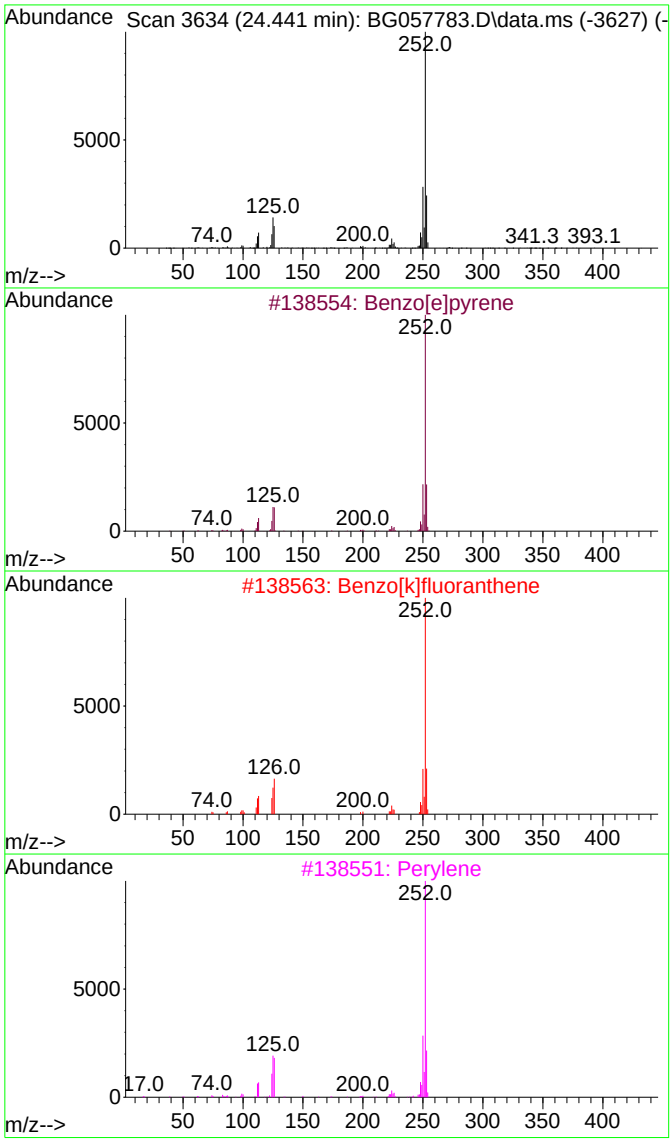
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

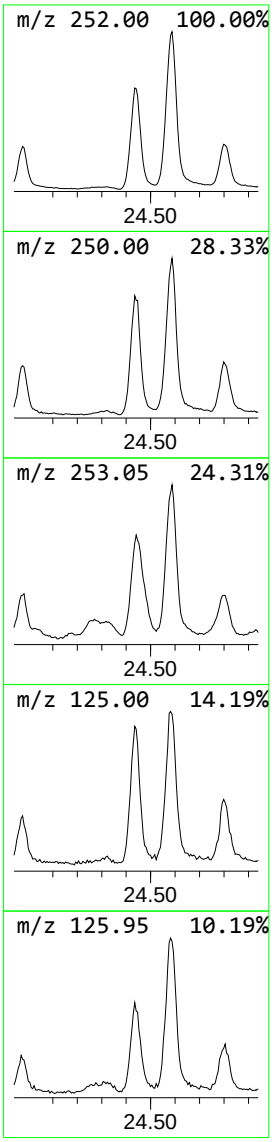
****

Peak Number 20 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.441	13.95 ng	1385830	Perylene-d12	24.723

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	97
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062023\
Data File : BG057783.D
Acq On : 20 Jun 2023 19:43
Operator : CG/JU
Sample : 03289-08 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-03-4.0-6.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061923.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-...	5.034	7.2	ng	96713	1	7.931	268413	20.0
Benzophenone	15.909	6.8	ng	184702	3	14.564	538886	20.0
9H-Fluorene, 2-...	16.609	5.2	ng	161071	4	17.308	617523	20.0
9H-Fluoren-9-one	16.955	5.2	ng	158938	4	17.308	617523	20.0
4-(4-Methylphen...	17.038	4.1	ng	127838	4	17.308	617523	20.0
Dibenzothiophene	17.126	6.7	ng	207232	4	17.308	617523	20.0
Phenanthrene, 1...	18.183	17.8	ng	550074	4	17.308	617523	20.0
Phenanthrene, 2...	18.230	19.9	ng	615336	4	17.308	617523	20.0
Anthracene, 2-m...	18.313	8.9	ng	274005	4	17.308	617523	20.0
4H-Cyclopenta[d...	18.377	28.3	ng	874335	4	17.308	617523	20.0
Phenanthrene, 4...	18.412	7.8	ng	240163	4	17.308	617523	20.0
Naphthalene, 2-...	18.677	10.6	ng	326474	4	17.308	617523	20.0
9,10-Anthracene...	18.718	6.9	ng	213276	4	17.308	617523	20.0
Phenanthrene, 2...	19.094	10.2	ng	314572	4	17.308	617523	20.0
Pyrene, 4,5,9,1...	19.159	3.4	ng	104641	4	17.308	617523	20.0
Cyclopenta(def)...	19.241	8.5	ng	261066	4	17.308	617523	20.0
11H-Benzo[b]flu...	20.216	4.0	ng	802282	5	21.567	3980980	20.0
Benzo[b]naphtho...	21.150	3.1	ng	614844	5	21.567	3980980	20.0
Benzo[e]pyrene	23.976	3.9	ng	386664	6	24.723	1987040	20.0
Perylene	24.441	13.9	ng	1385830	6	24.723	1987040	20.0