LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020823\
Data File : BG056581.D
Acq On : 8 Feb 2023 14:23
Operator : CG/JU
Sample : 01478-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : SU-04-02072023

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: BG056581.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.302	337	343	352	rVB	90802	138949	4.18%	0.412%
2	5.790	420	426	438	rBV	366829	611427	18.41%	1.814%
3	7.418	695	703	716	rBV	376182	651993	19.63%	1.934%
4	8.270	841	848	856	rBB	114860	193614	5.83%	0.574%
5	9.445	1040	1048	1058	rBB	221340	394572	11.88%	1.171%
6	11.101	1321	1330	1335	rBV	160359	292804	8.82%	0.869%
7	11.149	1335	1338	1345	rVB	81108	136808	4.12%	0.406%
8	12.735	1603	1608	1616	rBV	46157	74877	2.25%	0.222%
9	12.952	1638	1645	1653	rBV	31846	56024	1.69%	0.166%
10	13.510	1733	1740	1748	rVB	830558	1276902	38.44%	3.788%
11	14.069	1824	1835	1842	rBV4	18458	53381	1.61%	0.158%
12	14.210	1853	1859	1864	rBV3	27339	53342	1.61%	0.158%
13	14.891	1969	1975	1981	rVV2	280300	440592	13.26%	1.307%
14	14.956	1981	1986	1993	rVB	162833	253507	7.63%	0.752%
15	15.285	2036	2042	2047	rBV	108713	179393	5.40%	0.532%
16	15.931	2145	2152	2162	rVB	205140	335382	10.10%	0.995%
17	16.090	2175	2179	2183	rVB3	30282	43181	1.30%	0.128%
18	16.225	2197	2202	2210	rVB2	84973	146173	4.40%	0.434%
19	16.372	2221	2227	2235	rBV	577073	886449	26.69%	2.630%
20	16.924	2311	2321	2326	rBV3	44542	98198	2.96%	0.291%
21	17.153	2352	2360	2363	rBV5	26250	59287	1.78%	0.176%
22	17.282	2374	2382	2387	rVB2	36642	72308	2.18%	0.215%
23	17.347	2388	2393	2405	rVV5	27177	67216	2.02%	0.199%
24	17.447	2405	2410	2417	rVB	70799	110583	3.33%	0.328%
25	17.629	2435	2441	2444	rBV	343638	525268	15.81%	1.558%
26	17.676	2444	2449	2455	rVV	1435963	2163532	65.13%	6.419%
27	17.764	2455	2464	2471	rVV	448664	703104	21.17%	2.086%
28	17.817	2471	2473	2482	rVB2	24305	39743	1.20%	0.118%
29	18.029	2501	2509	2517	rBV2	111884	212500	6.40%	0.630%
30	18.134	2523	2527	2533	rBV	33490	55261	1.66%	0.164%
31	18.211	2535	2540	2543	rVV2	25859	46629	1.40%	0.138%
32	18.252	2543	2547	2555	rVV6	26240	49673	1.50%	0.147%
33	18.499	2580	2589	2593	rBV	160590	270922	8.16%	0.804%
34	18.546	2593	2597	2603	rVB	226181	330541	9.95%	0.981%
35	18.628	2603	2611	2616	rBV	105499	173882	5.23%	0.516%
36	18.698	2616	2623	2633	rBV2	302850	688352	20.72%	2.042%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020823\
Data File : BG056581.D
Acq On : 8 Feb 2023 14:23
Operator : CG/JU
Sample : 01478-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-04-02072023

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	18.792	2633	2639	2643	rVB5	20848	47174	1.42%	0.140%
38	18.980	2667	2671	2676	rBV	137894	195135	5.87%	0.579%
39	19.039	2676	2681	2689	rVB	61017	89739	2.70%	0.266%
40	19.227	2710	2713	2717	rVB2	40318	49209	1.48%	0.146%
41	19.280	2717	2722	2725	rBV	33511	47946	1.44%	0.142%
42	19.315	2725	2728	2734	rVB	31785	38514	1.16%	0.114%
43	19.380	2734	2739	2740	rBV2	79627	104926	3.16%	0.311%
44	19.398	2740	2742	2747	rVB2	85125	113618	3.42%	0.337%
45	19.550	2761	2768	2775	rBV3	66629	151613	4.56%	0.450%
46	19.674	2781	2789	2794	rBV	2277689	3321622	100.00%	9.855%
47	19.762	2799	2804	2807	rVB3	45258	69409	2.09%	0.206%
48	19.909	2823	2829	2837	rVB2	66444	153045	4.61%	0.454%
49	19.991	2838	2843	2846	rVV2	388422	692742	20.86%	2.055%
50	20.032	2846	2850	2856	rVV	1908826	2629204	79.15%	7.800%
51	20.091	2856	2860	2867	rVB	98669	154058	4.64%	0.457%
52	20.203	2874	2879	2885	rVB	1482010	1922673	57.88%	5.704%
53	20.267	2887	2890	2896	rVB	82100	112519	3.39%	0.334%
54	20.344	2896	2903	2909	rBV2	125555	318301	9.58%	0.944%
55	20.396	2909	2912	2919	rBV	40239	56949	1.71%	0.169%
56	20.479	2919	2926	2927	rBV2	97283	178732	5.38%	0.530%
57	20.508	2928	2931	2936	rVB	294864	412217	12.41%	1.223%
58	20.608	2943	2948	2952	rBV	259444	355662	10.71%	1.055%
59	20.667	2952	2958	2962	rVV2	135994	275553	8.30%	0.818%
60	20.702	2962	2964	2967	rVB2	42375	46848	1.41%	0.139%
61	20.808	2979	2982	2986	rBV	83260	117012	3.52%	0.347%
62	20.855	2987	2990	3001	rVB	106732	181132	5.45%	0.537%
63	21.290	3060	3064	3071	rVB	110398	168176	5.06%	0.499%
64	21.489	3092	3098	3101	rBV3	114095	245612	7.39%	0.729%
65	21.525	3101	3104	3108	rVB	144976	210842	6.35%	0.626%
66	21.583	3109	3114	3118	rBV2	162138	277468	8.35%	0.823%
67	21.636	3120	3123	3129	rVB	101625	166774	5.02%	0.495%
68	21.906	3162	3169	3176	rBV3	1017897	2287468	68.87%	6.786%
69	21.971	3176	3180	3192	rVB	745648	1343074	40.43%	3.985%
70	22.136	3202	3208	3215	rBV	196795	350579	10.55%	1.040%
71	22.206	3217	3220	3224	rVV3	39069	56800	1.71%	0.169%
72	22.353	3240	3245	3251	rVB2	116173	223097	6.72%	0.662%
73	24.263	3562	3570	3577	rBV	521600	1693684	50.99%	5.025%
74	24.533	3612	3616	3626	rVB	113268	261827	7.88%	0.777%
75	25.038	3694	3702	3716	rVB	303276	897416	27.02%	2.662%
76	25.191	3720	3728	3739	rVB	494597	1417132	42.66%	4.204%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020823\
Data File : BG056581.D
Acq On : 8 Feb 2023 14:23
Operator : CG/JU
Sample : 01478-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-04-02072023

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

77	25.355	3749	3756	3763	rBV2	147025	384690	11.58%	1.141%

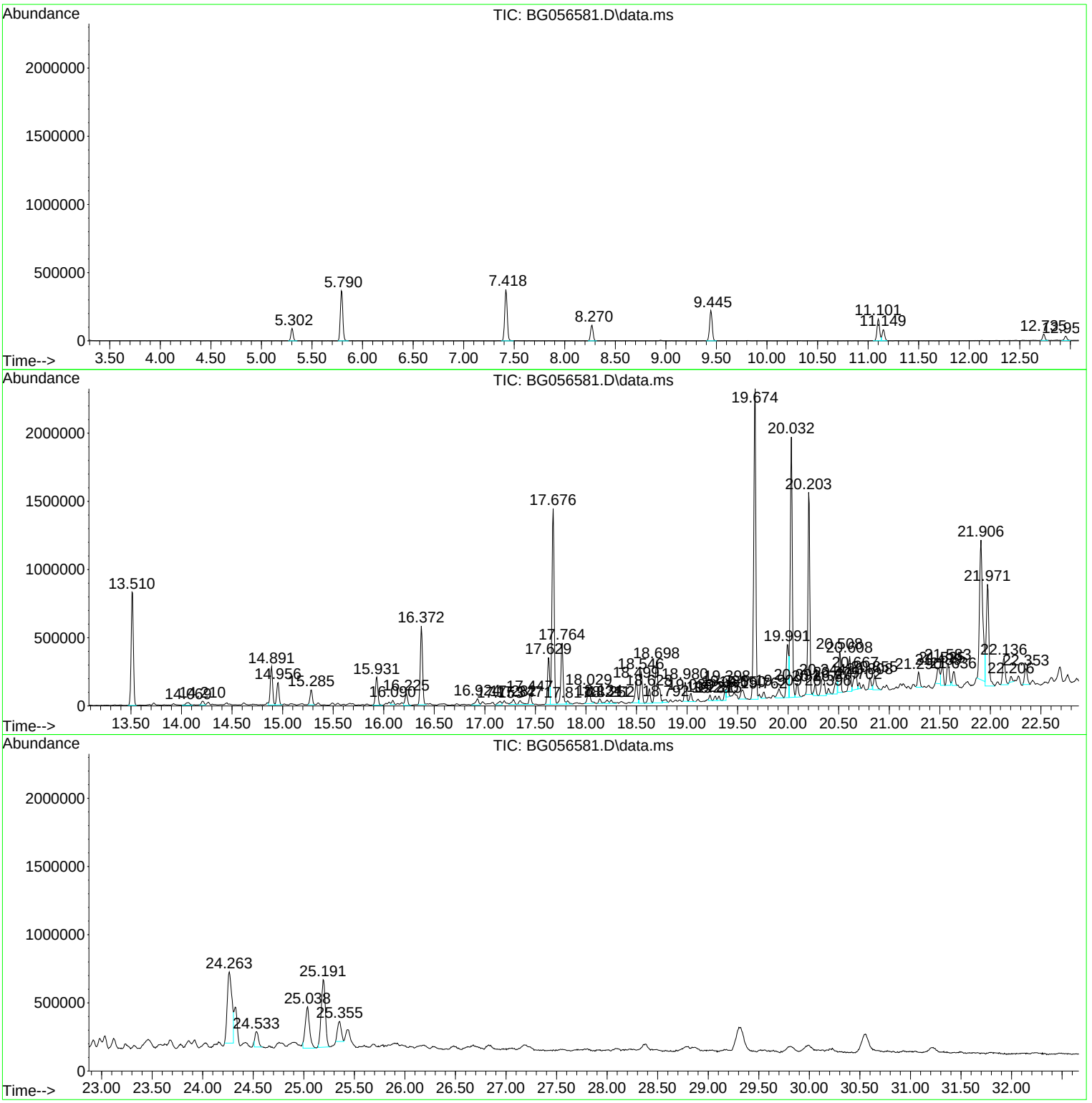
Sum of corrected areas: 33706560

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020823\
Data File : BG056581.D
Acq On : 8 Feb 2023 14:23
Operator : CG/JU
Sample : 01478-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-04-02072023

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\BG020823\
Data File : BG056581.D
Acq On : 8 Feb 2023 14:23
Operator : CG/JU
Sample : 01478-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-04-02072023

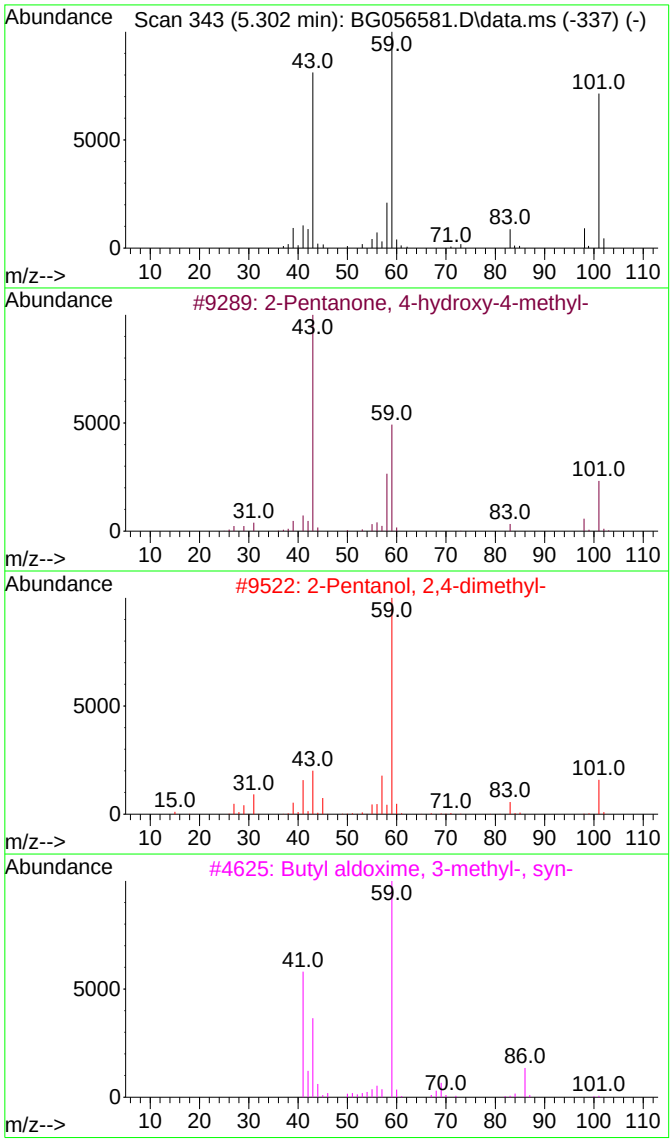
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

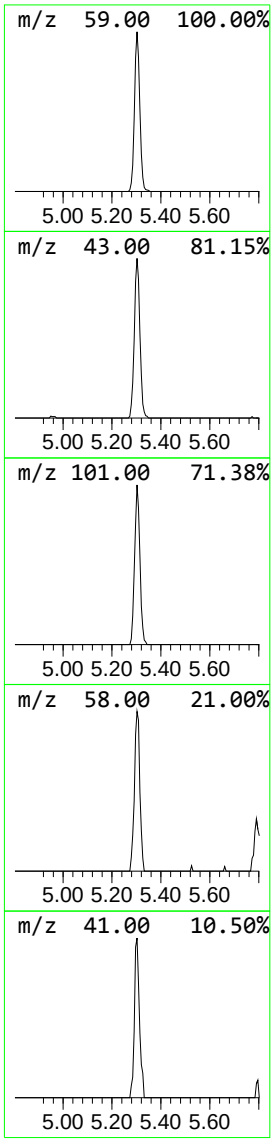
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.302	14.35 ng	138949	1,4-Dichlorobenzene-d4	8.270

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2	2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	42
3	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	35
4	3-Heptanol, 4-methyl-	130	C8H18O	014979-39-6	28
5	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020823\
Data File : BG056581.D
Acq On : 8 Feb 2023 14:23
Operator : CG/JU
Sample : 01478-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-04-02072023

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

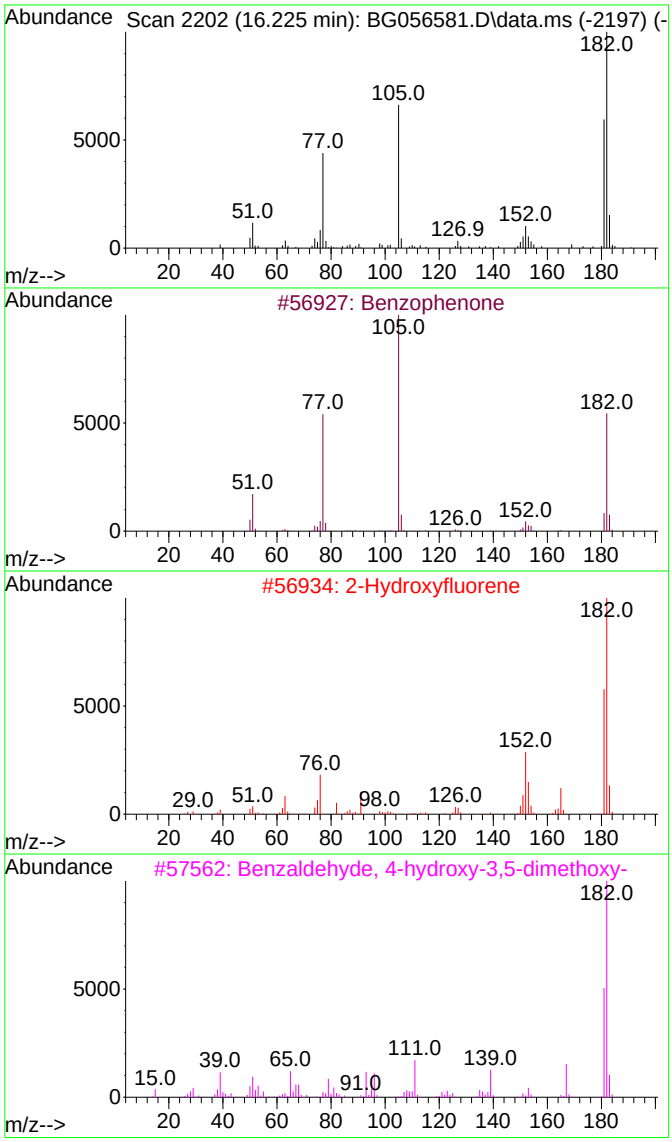
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

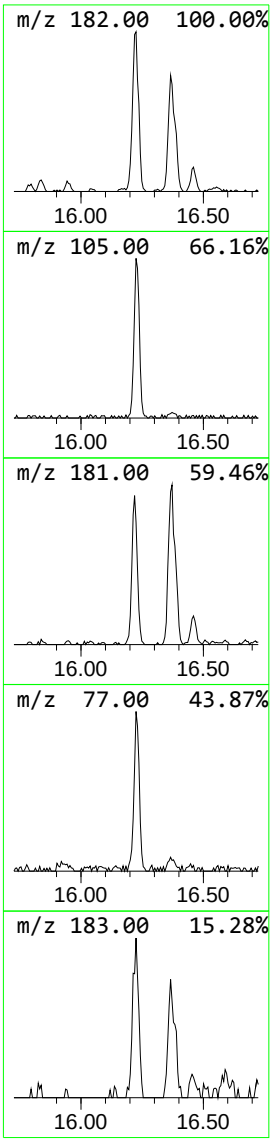
****

Peak Number 2 Benzophenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.225	6.64 ng	146173	Acenaphthene-d10	14.891

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	83
2	2-Hydroxyfluorene	182	C13H10O	002443-58-5	53
3	Benzaldehyde, 4-hydroxy-3,5-dime...	182	C9H10O4	000134-96-3	52
4	8-Methyl-5H-pyrido[4,3-b]indole	182	C12H10N2	088894-13-7	52
5	5H-Indeno[1,2-b]pyridin-4-ylamine	182	C12H10N2	1000303-41-6	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020823\
Data File : BG056581.D
Acq On : 8 Feb 2023 14:23
Operator : CG/JU
Sample : 01478-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-04-02072023

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

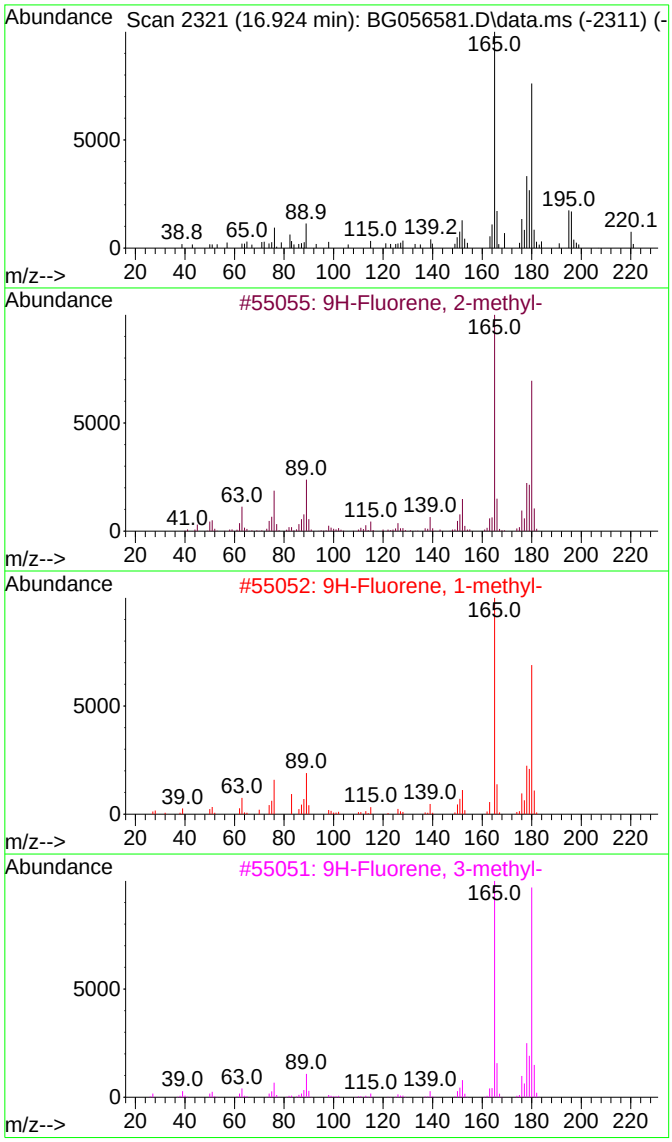
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

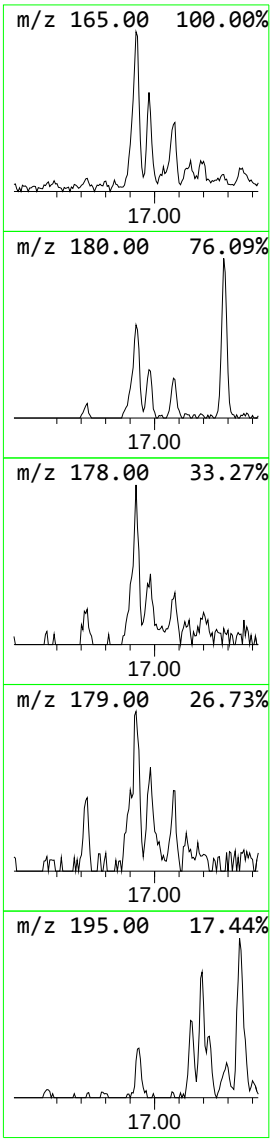
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.924	3.74 ng	98198	Phenanthrene-d10	17.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	70
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	68
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020823\
Data File : BG056581.D
Acq On : 8 Feb 2023 14:23
Operator : CG/JU
Sample : 01478-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-04-02072023

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

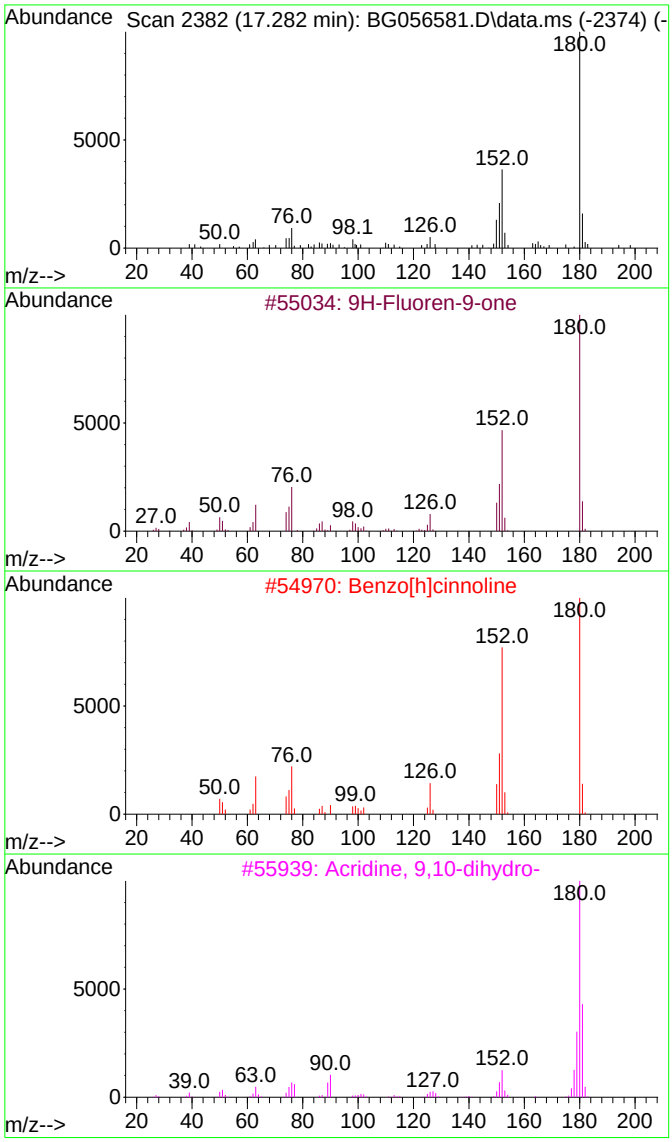
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

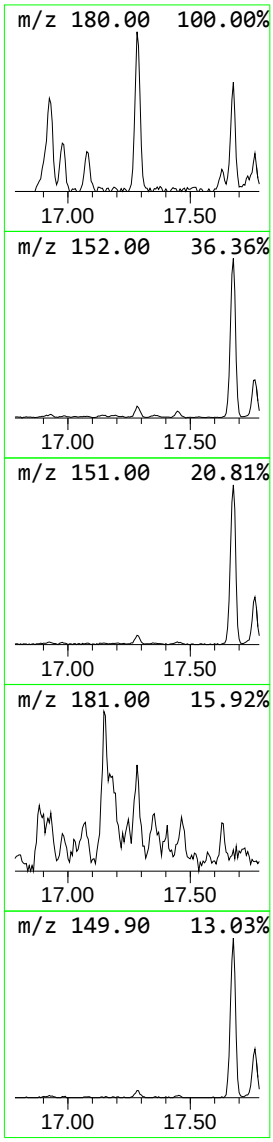
****

Peak Number 4 9H-Fluoren-9-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.282	2.75 ng	72308	Phenanthrene-d10	17.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	78
3	Acridine, 9,10-dihydro-	181	C13H11N	000092-81-9	64
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
5	1,1'-Biphenyl, 4-ethenyl-	180	C14H12	002350-89-2	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020823\
Data File : BG056581.D
Acq On : 8 Feb 2023 14:23
Operator : CG/JU
Sample : 01478-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-04-02072023

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

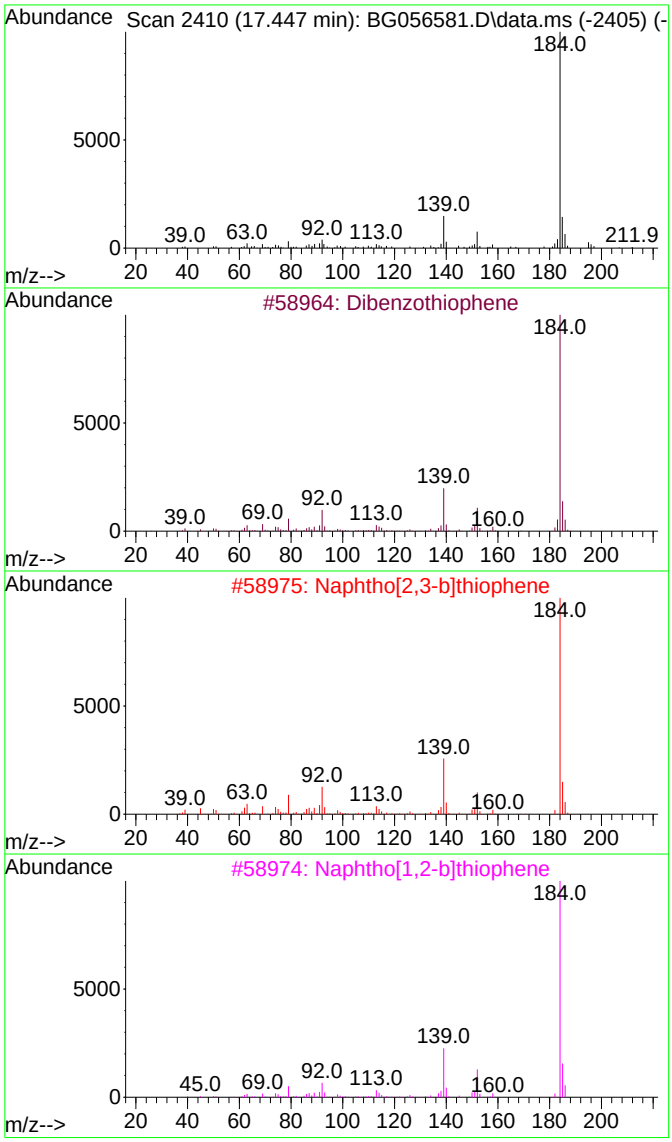
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

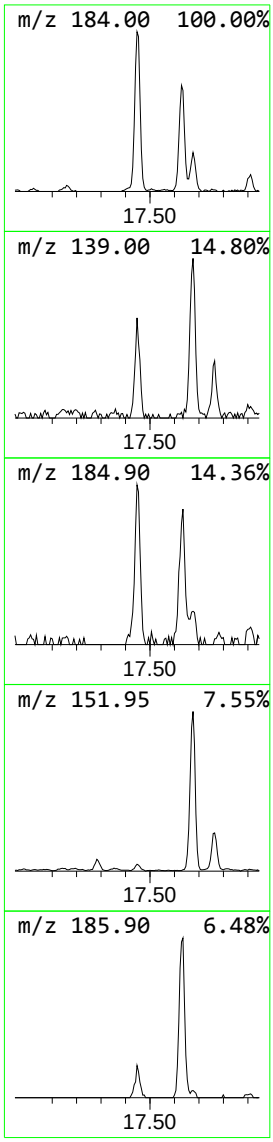
****

Peak Number 5 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.447	4.21 ng	110583	Phenanthrene-d10	17.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	80
5	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020823\
Data File : BG056581.D
Acq On : 8 Feb 2023 14:23
Operator : CG/JU
Sample : 01478-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-04-02072023

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

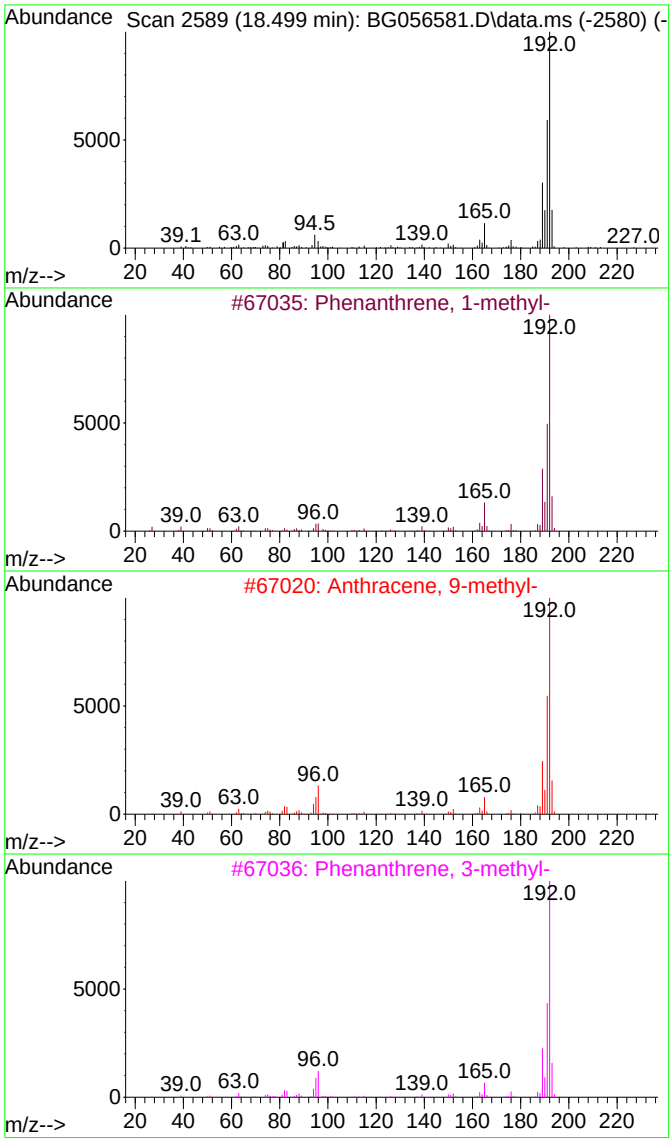
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

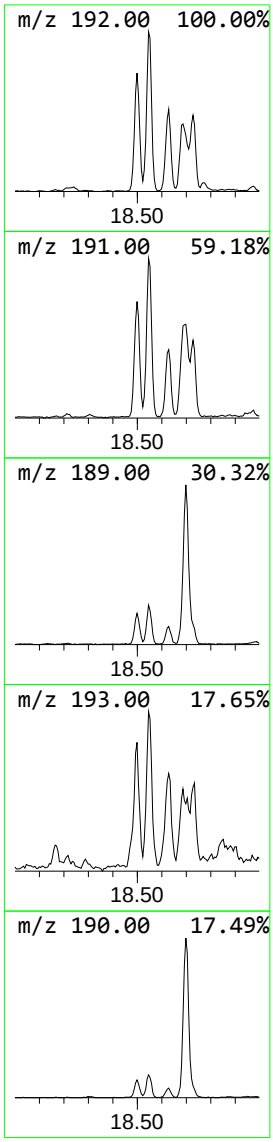
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.499	10.32 ng	270922	Phenanthrene-d10	17.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Phenanthrene, 3-methyl-	192	C15H12	002531-84-2	89
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

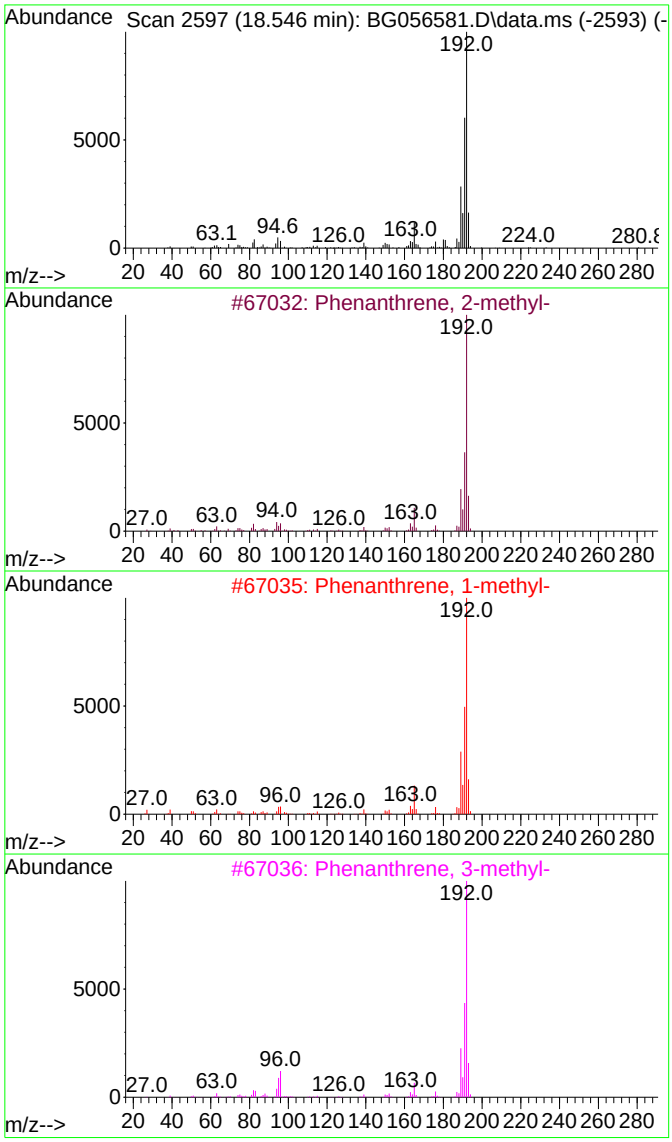
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

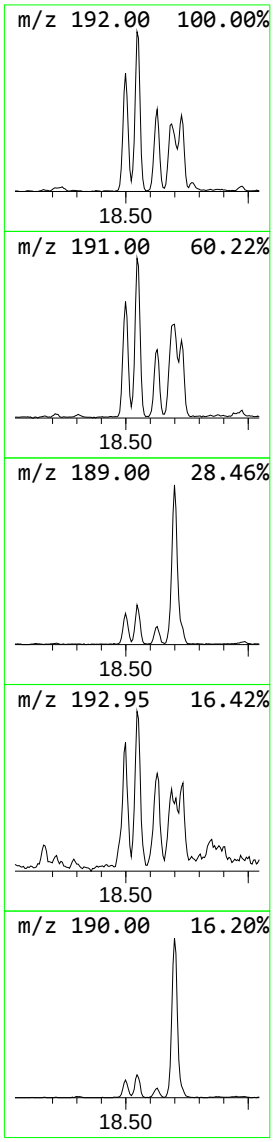
****

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.546	12.59 ng	330541	Phenanthrene-d10	17.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





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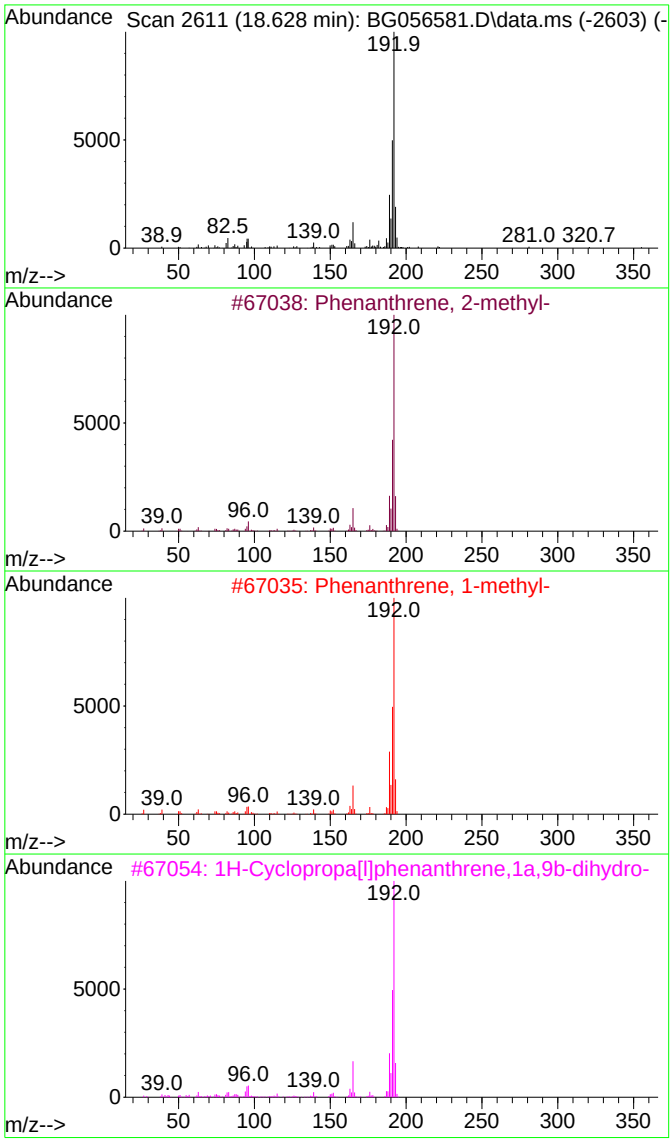
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

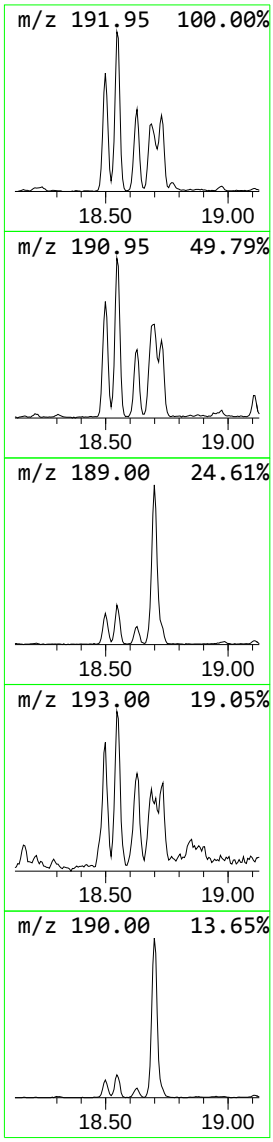
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.628	6.62 ng	173882	Phenanthrene-d10	17.629

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





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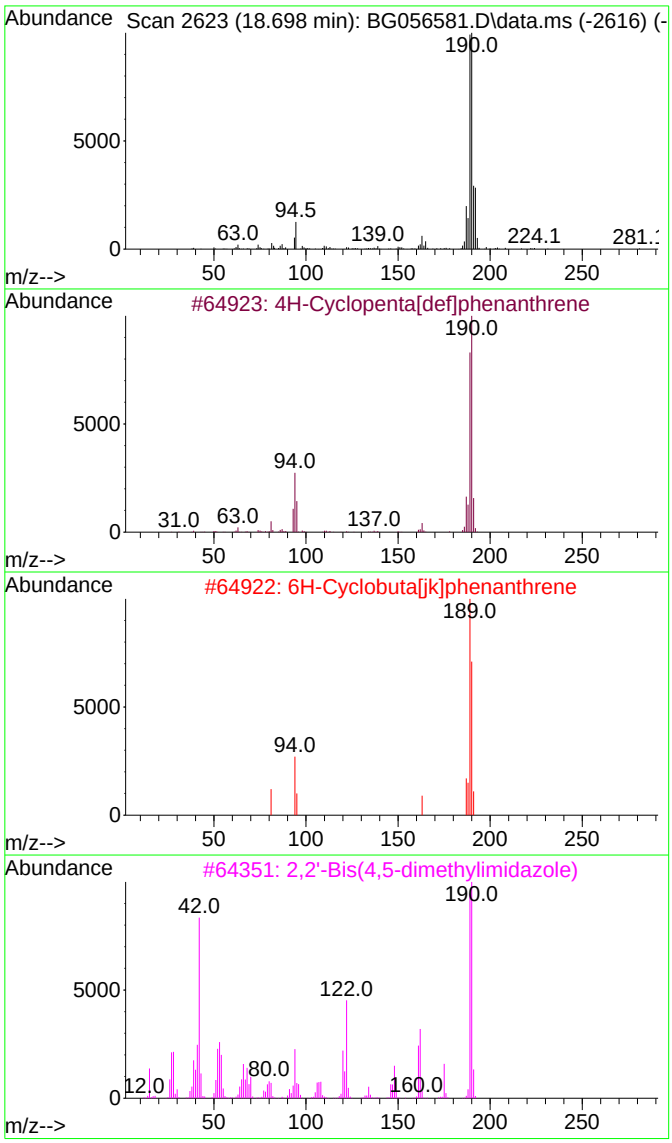
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

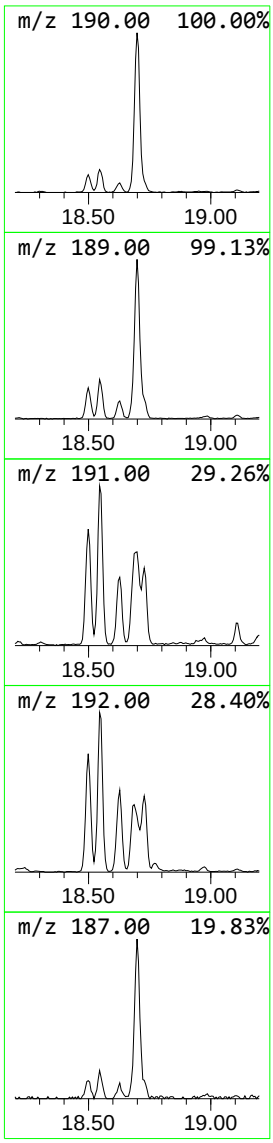
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.698	26.21 ng	688352	Phenanthrene-d10	17.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
4	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25
5	2,4(1H,3H)-Pyrimidinedione, 5-br...	190	C4H3BrN2O2	000051-20-7	16





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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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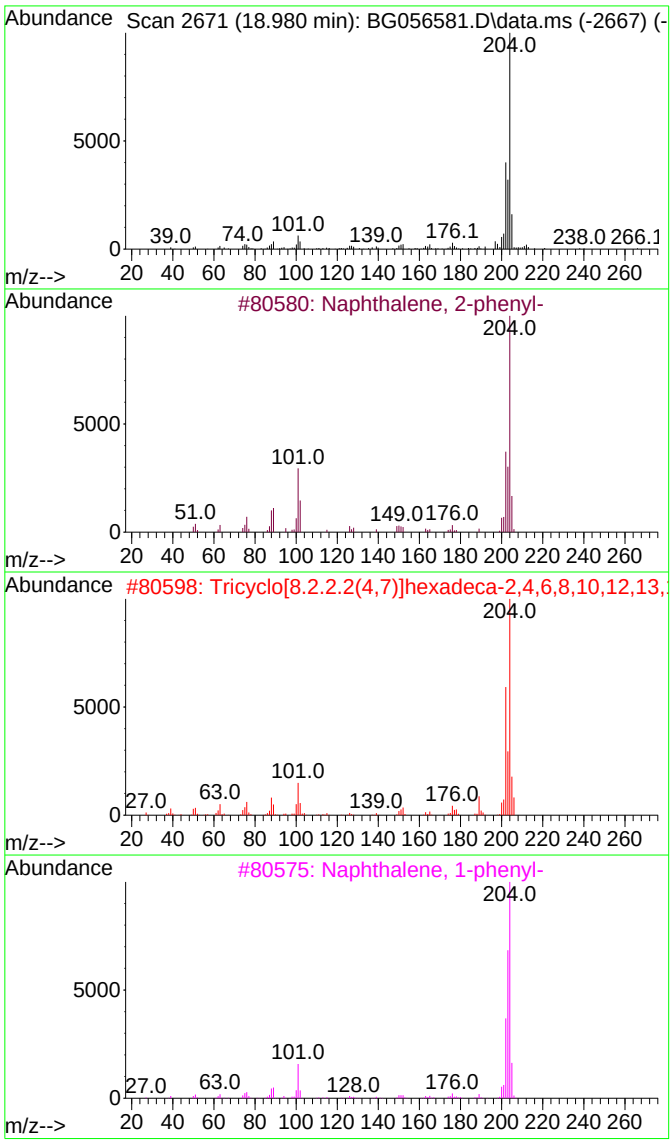
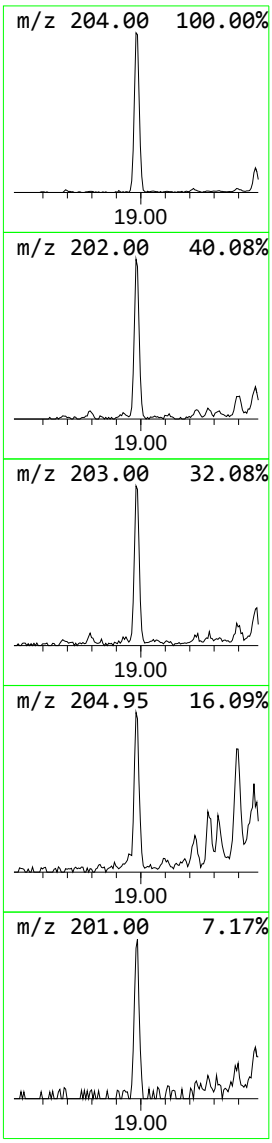
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.980	7.43 ng	195135	Phenanthrene-d10	17.629

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	62
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49
4	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	49
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47





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

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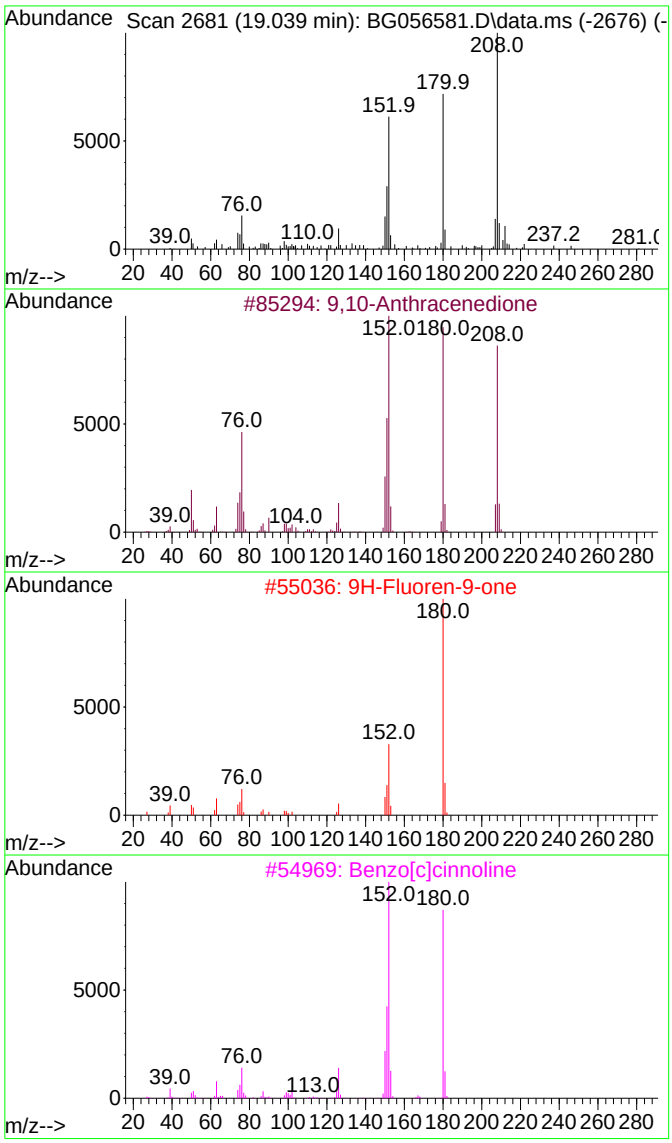
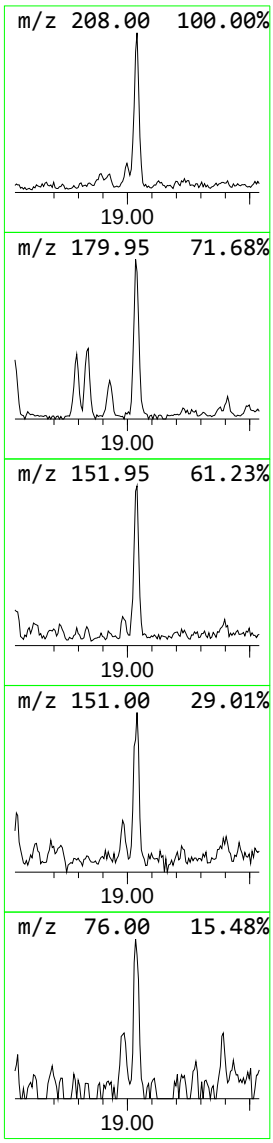
Peak Number 11 9,10-Anthracenedione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.039	3.42 ng	89739	Phenanthrene-d10	17.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	64
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	52





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

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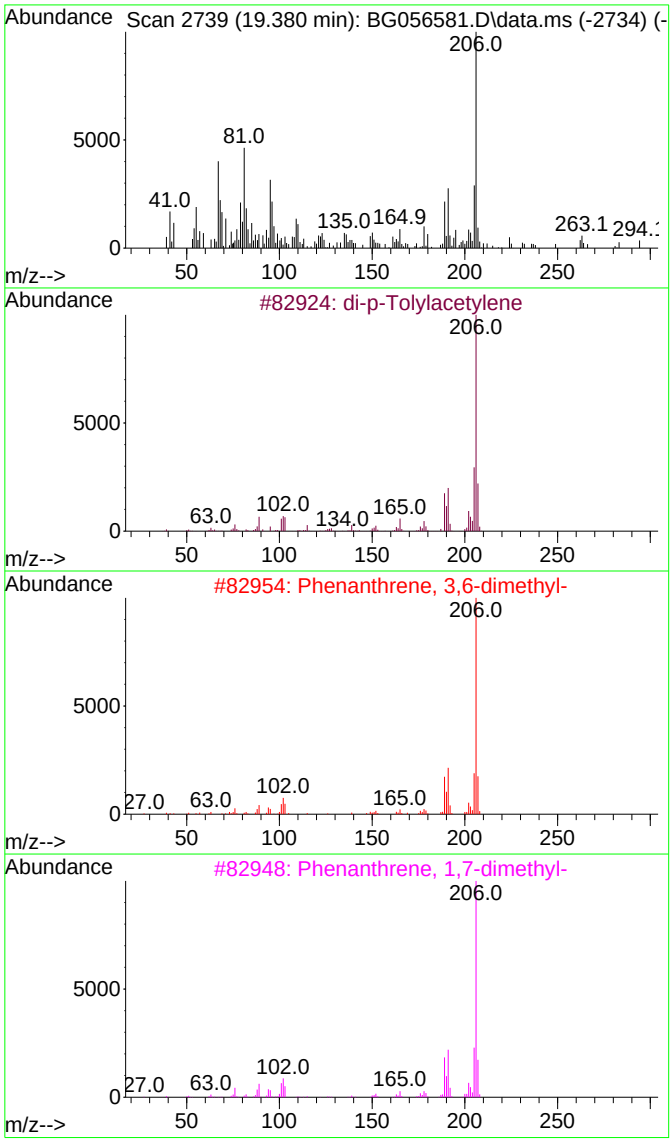
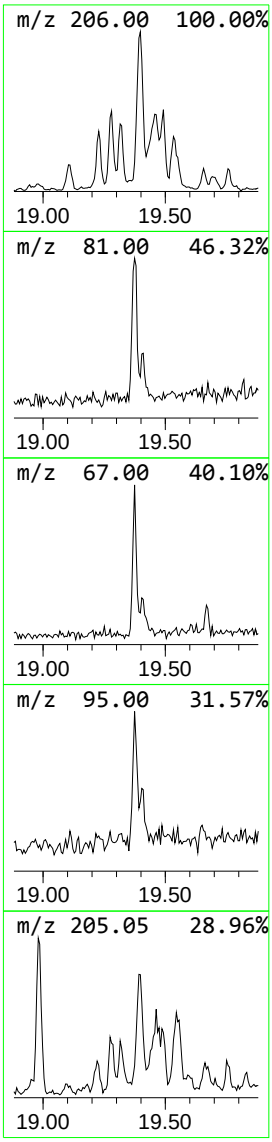
Peak Number 12 di-p-Tolylacetylene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.380	4.00 ng	104926	Phenanthrene-d10	17.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	78
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	70
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	60
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	55
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	50





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ALS Vial : 4 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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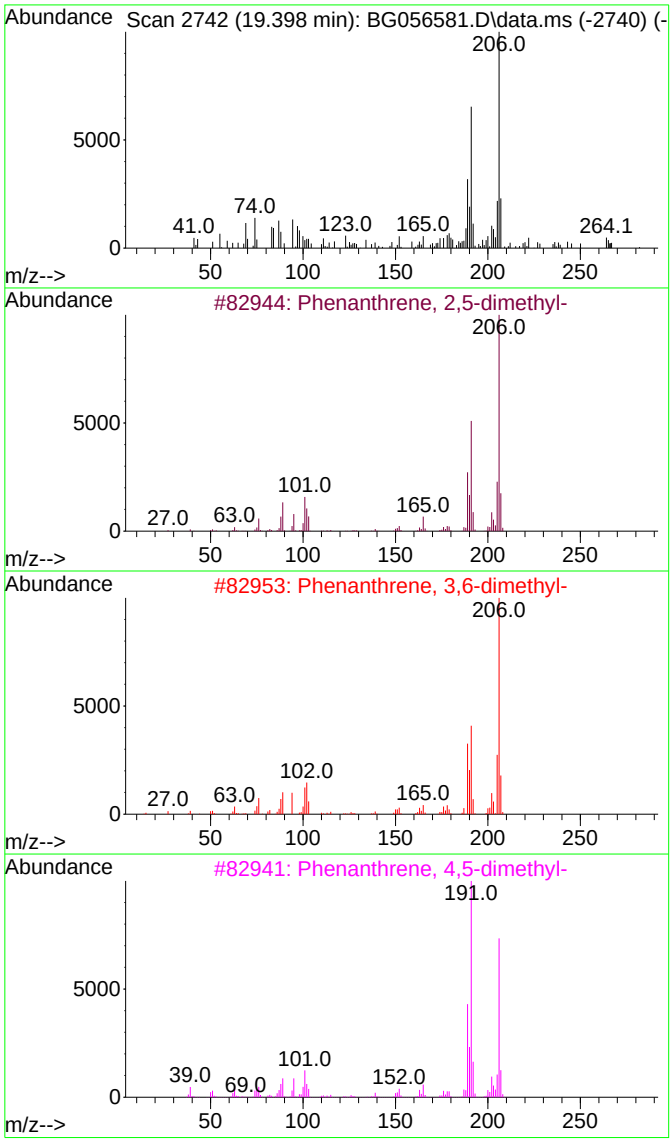
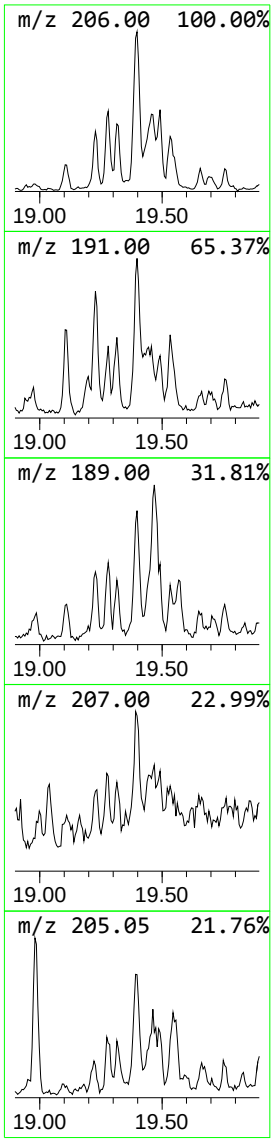
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.398	4.33 ng	113618	Phenanthrene-d10	17.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
4	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	83
5	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	76





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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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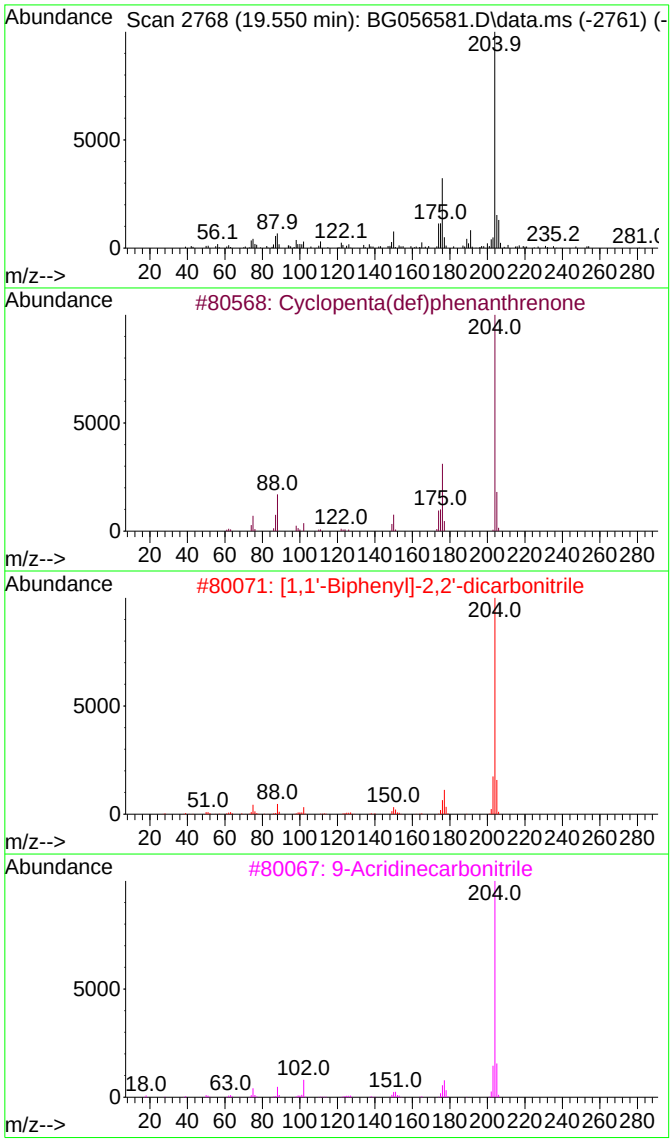
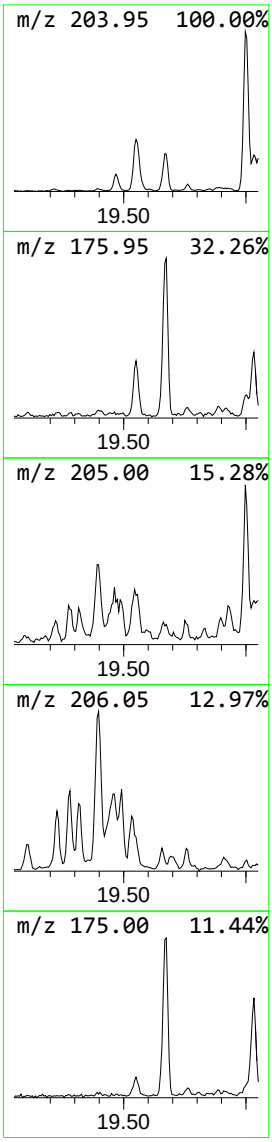
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.550	5.77 ng	151613	Phenanthrene-d10	17.629

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	81
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	52
3	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	50
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	50
5	4,5,6,7-Tetrafluoro-2-methyl-1H-...	204	C8H4F4N2	081430-75-3	50





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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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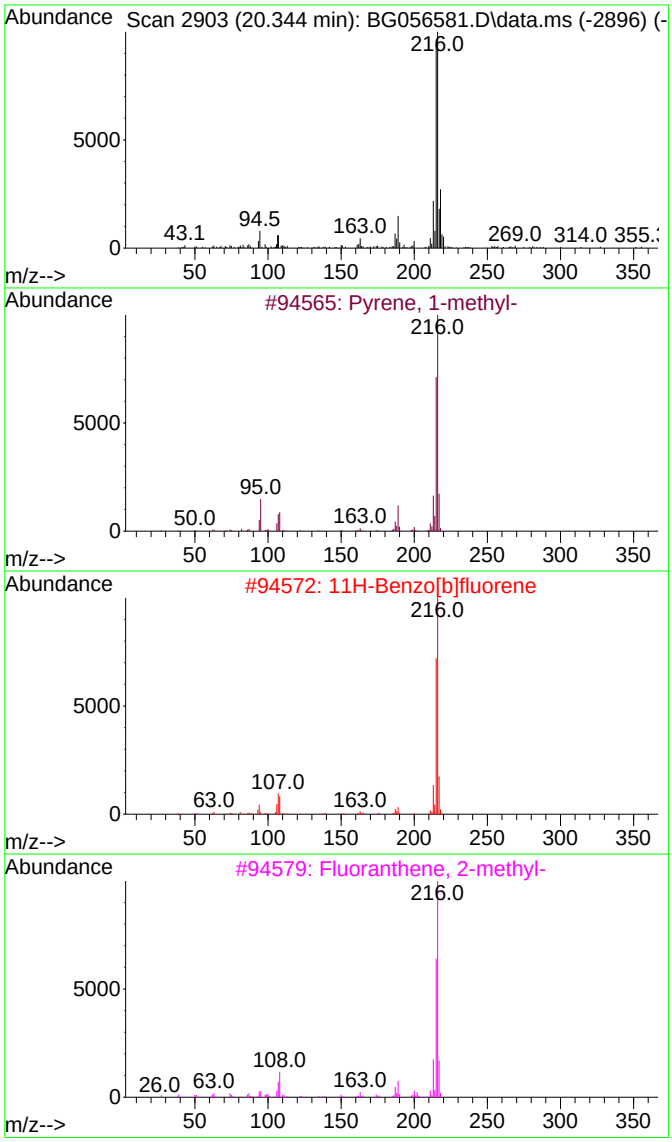
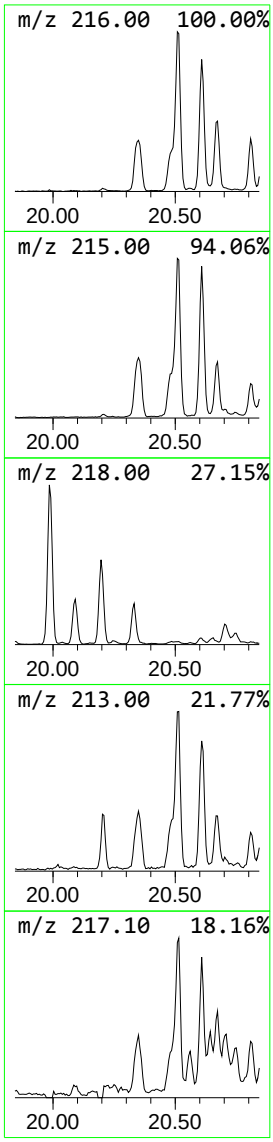
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.344	2.78 ng	318301	Chrysene-d12	21.924

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





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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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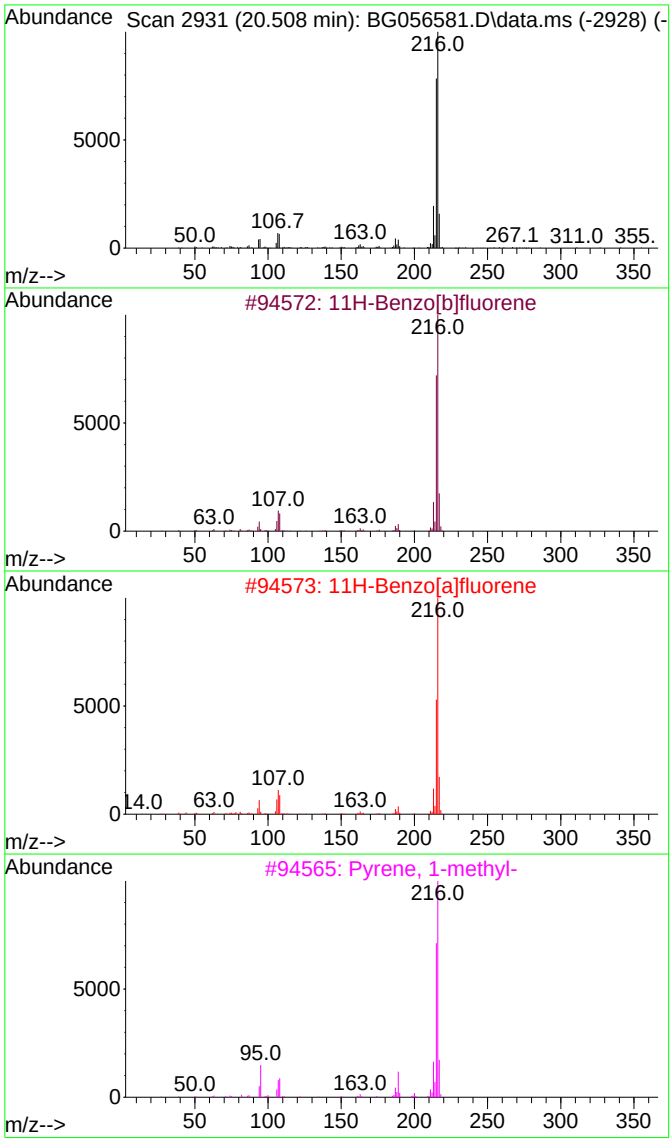
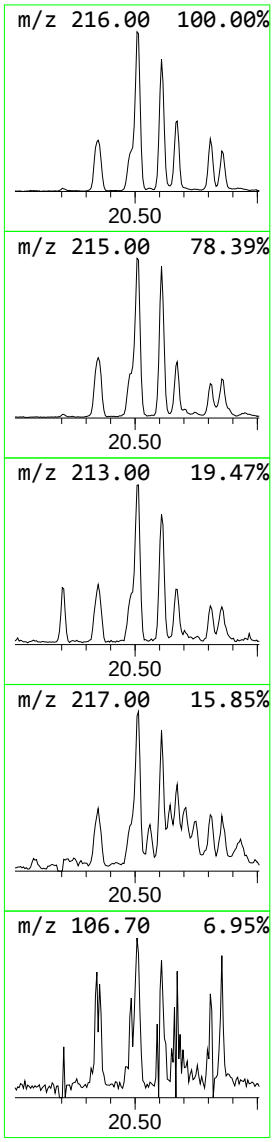
Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.508	3.60 ng	412217	Chrysene-d12	21.924

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72
5	3-Trifluoromethylcinnamic acid	216	C10H7F3O2	000779-89-5	64





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

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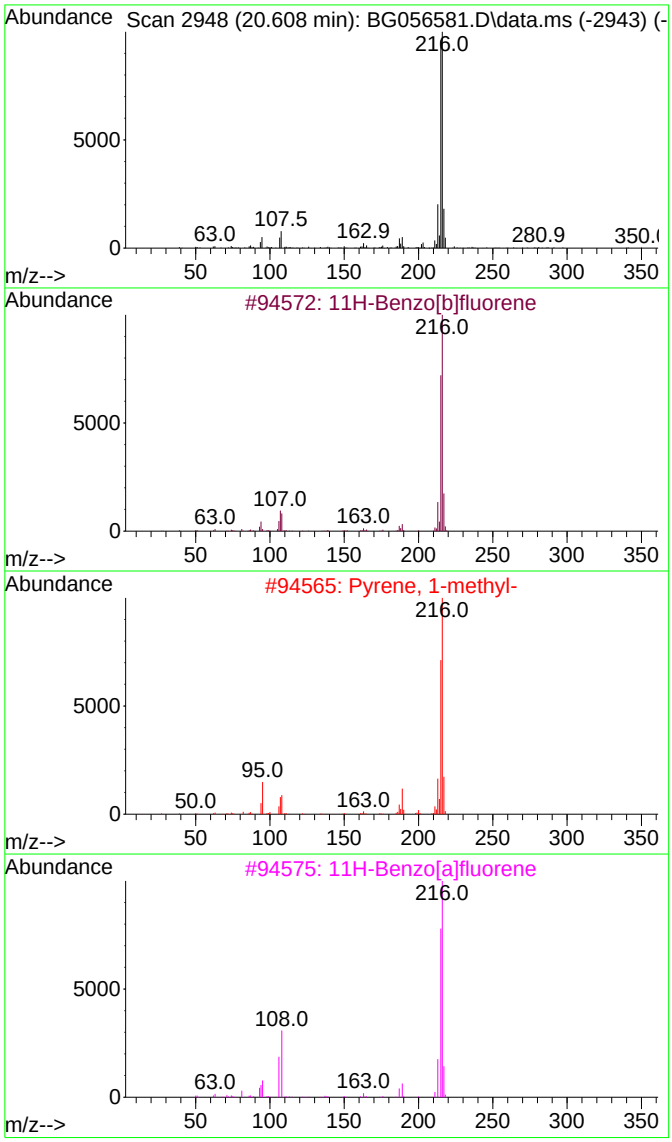
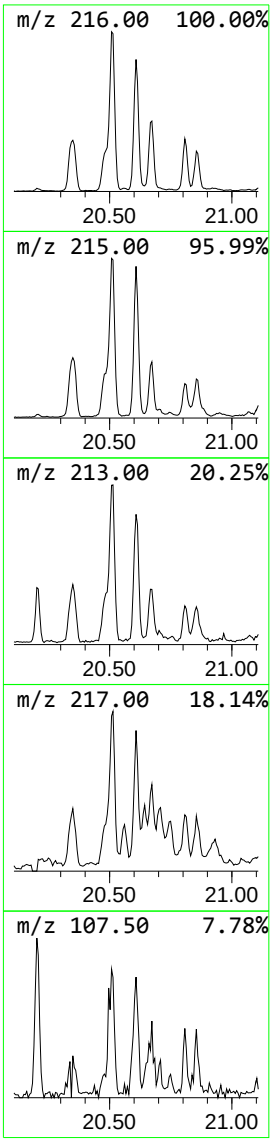
Peak Number 17 11H-Benzo[a]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.608	3.11 ng	355662	Chrysene-d12	21.924

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	89
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70





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Operator : CG/JU
Sample : 01478-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-04-02072023

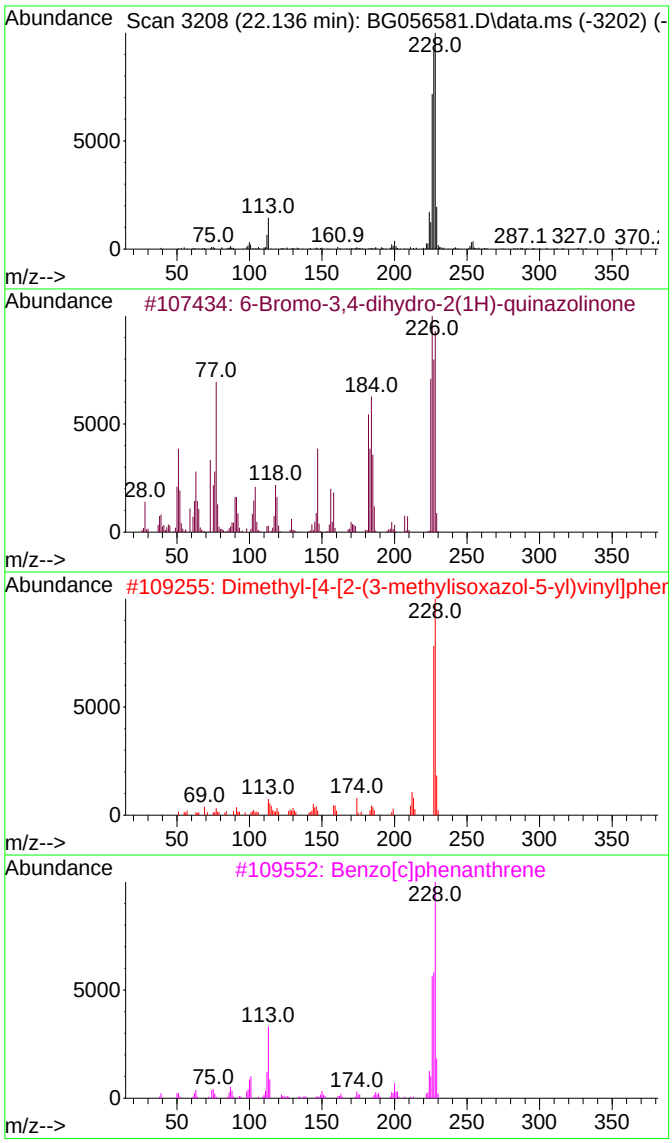
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

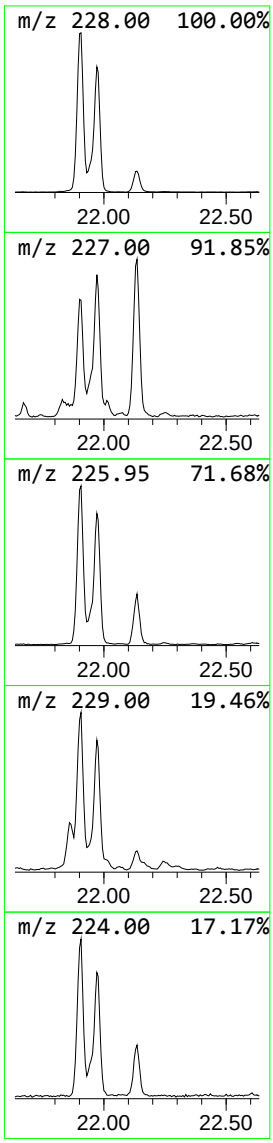
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 6-Bromo-3,4-dihydro-2(1H)-q... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.136	3.07 ng	350579	Chrysene-d12	21.924

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Bromo-3,4-dihydro-2(1H)-quinaz...	226	C8H7BrN2O	1246765-38-7	59
2	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	53
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	53
4	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	53
5	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020823\
Data File : BG056581.D
Acq On : 8 Feb 2023 14:23
Operator : CG/JU
Sample : 01478-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-04-02072023

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

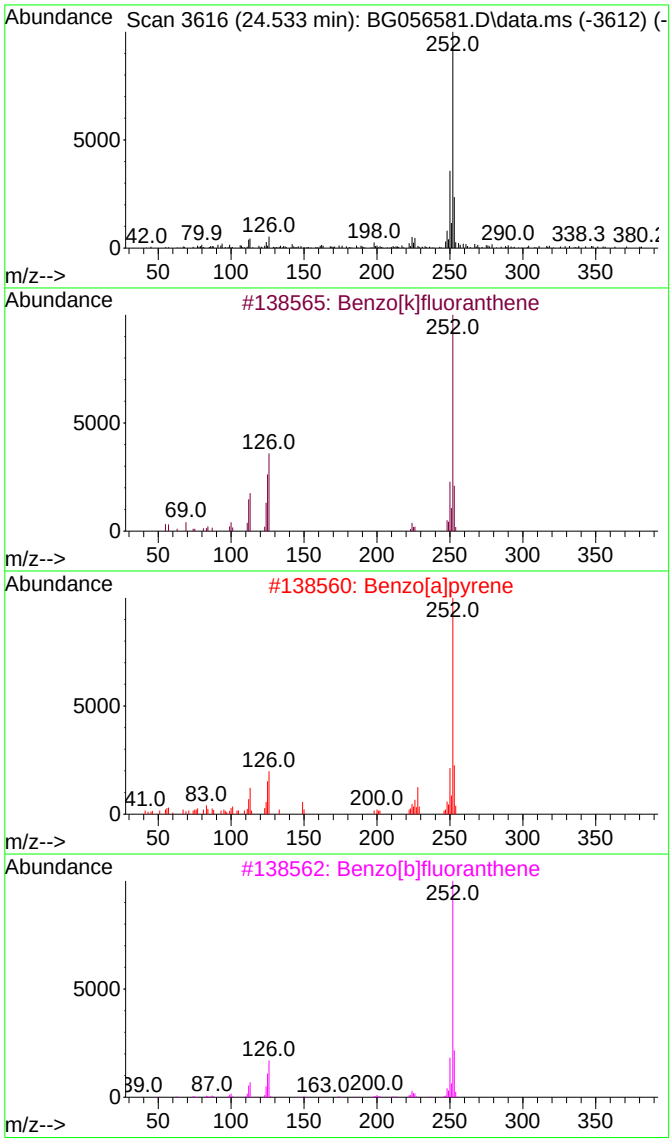
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

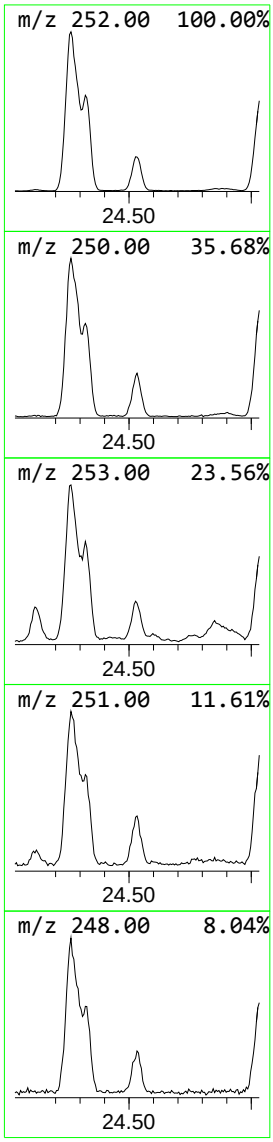
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.533	13.61 ng	261827	Perylene-d12	25.349

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	81
2	Benzo[a]pyrene	252	C20H12	000050-32-8	76
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	74
4	Benzo[e]pyrene	252	C20H12	000192-97-2	74
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020823\
Data File : BG056581.D
Acq On : 8 Feb 2023 14:23
Operator : CG/JU
Sample : 01478-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-04-02072023

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

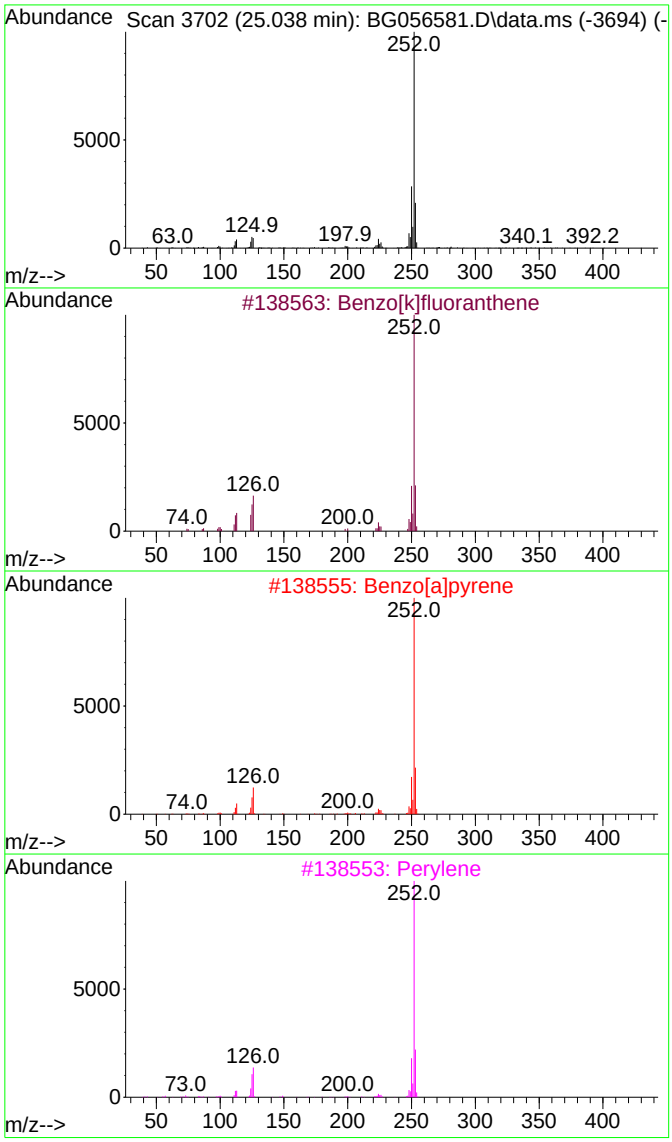
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

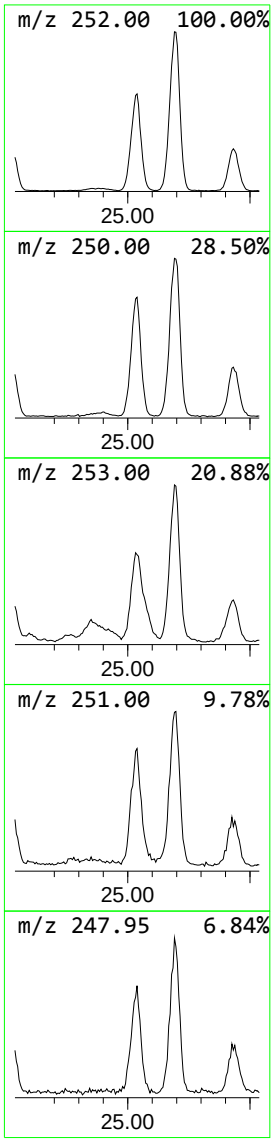
****

Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.038	46.66 ng	897416	Perylene-d12	25.349

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	91
3	Perylene	252	C20H12	000198-55-0	91
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	91
5	Benzo[e]pyrene	252	C20H12	000192-97-2	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020823\
Data File : BG056581.D
Acq On : 8 Feb 2023 14:23
Operator : CG/JU
Sample : 01478-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-04-02072023

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-Pentanone, 4-...	5.302	14.4	ng	138949	1	8.270	193614	20.0
Benzophenone	16.225	6.6	ng	146173	3	14.891	440592	20.0
9H-Fluorene, 2-...	16.924	3.7	ng	98198	4	17.629	525268	20.0
9H-Fluoren-9-one	17.282	2.8	ng	72308	4	17.629	525268	20.0
Dibenzothiophene	17.447	4.2	ng	110583	4	17.629	525268	20.0
Phenanthrene, 1...	18.499	10.3	ng	270922	4	17.629	525268	20.0
Phenanthrene, 2...	18.546	12.6	ng	330541	4	17.629	525268	20.0
1H-Cyclopropa[l...	18.628	6.6	ng	173882	4	17.629	525268	20.0
4H-Cyclopenta[d...	18.698	26.2	ng	688352	4	17.629	525268	20.0
Naphthalene, 2-...	18.980	7.4	ng	195135	4	17.629	525268	20.0
9,10-Anthracene...	19.039	3.4	ng	89739	4	17.629	525268	20.0
di-p-Tolylacety...	19.380	4.0	ng	104926	4	17.629	525268	20.0
Phenanthrene, 2...	19.398	4.3	ng	113618	4	17.629	525268	20.0
Cyclopenta(def)...	19.550	5.8	ng	151613	4	17.629	525268	20.0
Pyrene, 1-methyl-	20.344	2.8	ng	318301	5	21.924	2287470	20.0
11H-Benzo[b]flu...	20.508	3.6	ng	412217	5	21.924	2287470	20.0
11H-Benzo[a]flu...	20.608	3.1	ng	355662	5	21.924	2287470	20.0
6-Bromo-3,4-dih...	22.136	3.1	ng	350579	5	21.924	2287470	20.0
Benzo[e]pyrene	24.533	13.6	ng	261827	6	25.349	384690	20.0
Perylene	25.038	46.7	ng	897416	6	25.349	384690	20.0