LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG113022\
Data File : BG055852.D
Acq On : 30 Nov 2022 21:58
Operator : CG/JU
Sample : N5801-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-13

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-BG111622.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG055852.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.273	330	338	349	rBV	48125	78317	1.23%	0.133%
2	5.761	414	421	431	rBV	91288	188045	2.95%	0.318%
3	7.382	690	697	710	rBV	104067	211533	3.32%	0.358%
4	7.511	712	719	729	rVB	40718	77413	1.22%	0.131%
5	8.228	833	841	850	rVB	172017	299485	4.71%	0.507%
6	11.054	1315	1322	1329	rBV	230269	418210	6.57%	0.708%
7	13.469	1726	1733	1742	rBV	208916	329671	5.18%	0.558%
8	14.580	1913	1922	1930	rBV	79454	171493	2.69%	0.290%
9	14.850	1962	1968	1975	rVB	344107	549302	8.63%	0.930%
10	14.915	1975	1979	1985	rVB	59927	88731	1.39%	0.150%
11	15.244	2030	2035	2042	rVB2	46211	77575	1.22%	0.131%
12	15.455	2065	2071	2076	rBV3	38587	81101	1.27%	0.137%
13	15.625	2092	2100	2103	rBV6	29489	72924	1.15%	0.123%
14	15.890	2139	2145	2156	rBV2	89162	165231	2.60%	0.280%
15	16.190	2191	2196	2201	rVB2	96018	166905	2.62%	0.283%
16	16.331	2215	2220	2228	rBV2	110952	212349	3.34%	0.360%
17	16.560	2248	2259	2268	rVB8	49704	161641	2.54%	0.274%
18	16.895	2309	2316	2320	rBV3	65292	116953	1.84%	0.198%
19	17.112	2346	2353	2357	rBV3	73972	163205	2.56%	0.276%
20	17.159	2357	2361	2364	rVV2	46485	65403	1.03%	0.111%
21	17.247	2371	2376	2382	rBV2	68361	114747	1.80%	0.194%
22	17.312	2383	2387	2393	rBV3	62613	113455	1.78%	0.192%
23	17.412	2400	2404	2412	rVB	71485	113979	1.79%	0.193%
24	17.594	2429	2435	2438	rBV	401938	638461	10.03%	1.081%
25	17.635	2438	2442	2449	rVB	1314347	2025048	31.82%	3.429%
26	17.729	2452	2458	2462	rBV	415453	627974	9.87%	1.063%
27	17.993	2499	2503	2510	rBV2	71663	169224	2.66%	0.287%
28	18.105	2518	2522	2525	rBV	72734	93643	1.47%	0.159%
29	18.175	2530	2534	2539	rVB	80290	128102	2.01%	0.217%
30	18.463	2578	2583	2587	rBV	387551	562019	8.83%	0.952%
31	18.510	2587	2591	2597	rVB	484439	730671	11.48%	1.237%
32	18.593	2600	2605	2610	rBV	238308	353211	5.55%	0.598%
33	18.663	2610	2617	2620	rBV2	612374	1208470	18.99%	2.046%
34	18.951	2662	2666	2671	rBV	294638	397505	6.25%	0.673%
35	19.004	2671	2675	2683	rVB2	148946	224379	3.53%	0.380%
36	19.198	2705	2708	2712	rVB	122847	148699	2.34%	0.252%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG113022\
Data File : BG055852.D
Acq On : 30 Nov 2022 21:58
Operator : CG/JU
Sample : N5801-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-13

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-BG111622.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	19.245	2713	2716	2720	rVV	135707	176689	2.78%	0.299%
38	19.286	2720	2723	2726	rVB	102272	125298	1.97%	0.212%
39	19.368	2732	2737	2742	rBV	351738	647299	10.17%	1.096%
40	19.521	2758	2763	2775	rVB3	268693	603021	9.48%	1.021%
41	19.644	2776	2784	2789	rBV	3688424	6363840	100.00%	10.775%
42	19.685	2789	2791	2795	rVV	125512	165916	2.61%	0.281%
43	19.727	2795	2798	2802	rVB2	153565	214932	3.38%	0.364%
44	19.967	2834	2839	2841	rBV	823308	1326550	20.85%	2.246%
45	20.009	2841	2846	2851	rVV	3451993	5648169	88.75%	9.563%
46	20.061	2851	2855	2860	rVB	322842	487786	7.66%	0.826%
47	20.173	2870	2874	2879	rVB2	524075	721501	11.34%	1.222%
48	20.314	2892	2898	2905	rBV3	424108	1057521	16.62%	1.791%
49	20.484	2916	2927	2932	rVB2	911096	1908600	29.99%	3.232%
50	20.584	2939	2944	2947	rBV	634142	902514	14.18%	1.528%
51	20.643	2948	2954	2958	rVB2	560540	966583	15.19%	1.637%
52	20.784	2974	2978	2982	rBV	414897	600582	9.44%	1.017%
53	20.831	2983	2986	2996	rVB	415753	716836	11.26%	1.214%
54	21.260	3056	3059	3066	rVB	490480	760867	11.96%	1.288%
55	21.454	3088	3092	3096	rBV3	308222	483104	7.59%	0.818%
56	21.495	3096	3099	3104	rVB	423064	636890	10.01%	1.078%
57	21.554	3104	3109	3113	rBV2	483493	855150	13.44%	1.448%
58	21.883	3158	3165	3171	rBV3	2545919	5556284	87.31%	9.408%
59	21.953	3172	3177	3188	rVB	2334430	4265218	67.02%	7.222%
60	22.106	3199	3203	3209	rVB	410668	616810	9.69%	1.044%
61	22.318	3236	3239	3246	rVB2	306503	565424	8.88%	0.957%
62	24.239	3556	3566	3573	rBV2	1306837	5151563	80.95%	8.722%
63	25.003	3690	3696	3710	rVB	798255	2446858	38.45%	4.143%
64	25.167	3715	3724	3735	rVB	1215017	3744835	58.85%	6.341%

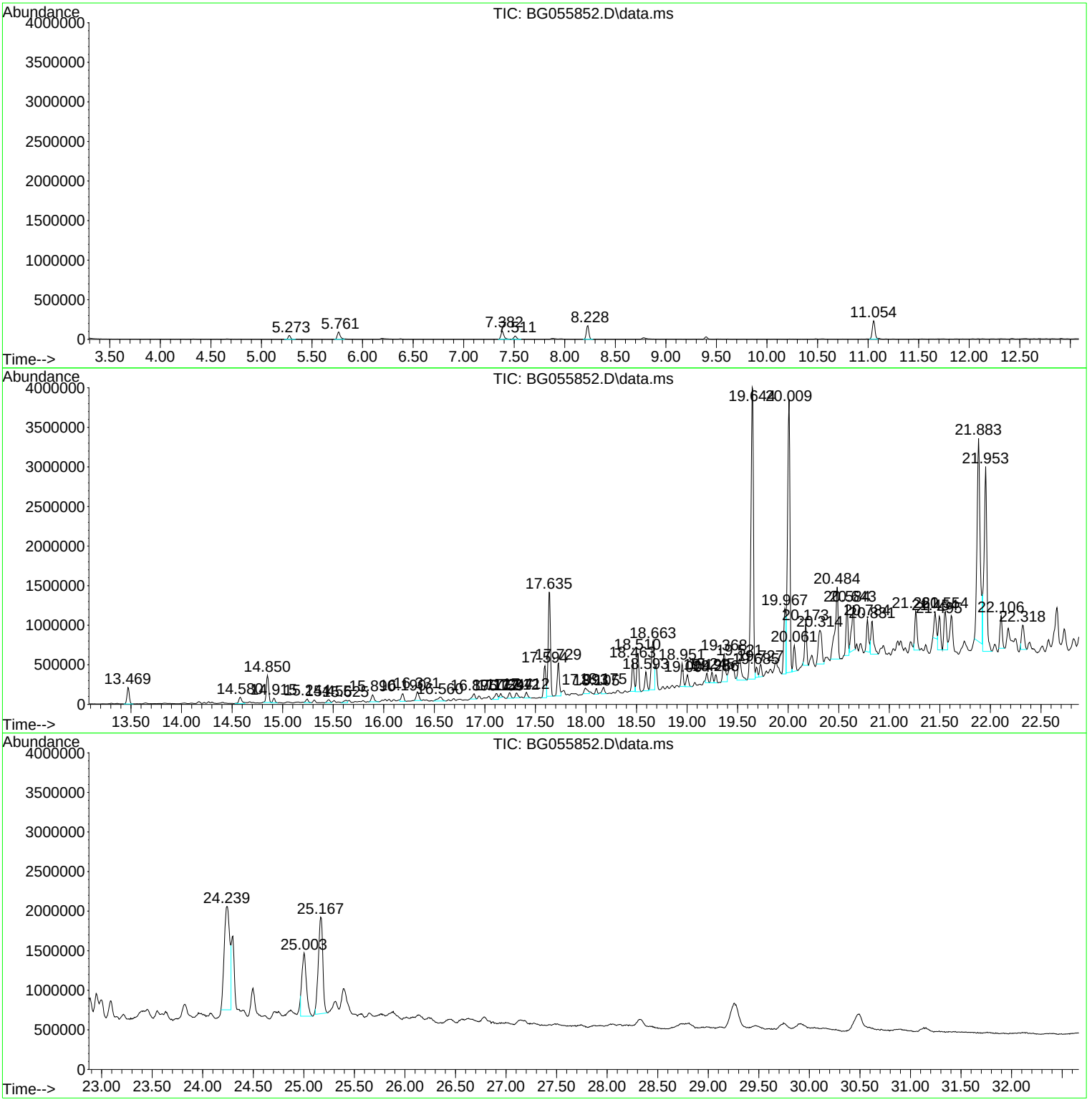
Sum of corrected areas: 59061714

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG113022\
Data File : BG055852.D
Acq On : 30 Nov 2022 21:58
Operator : CG/JU
Sample : N5801-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.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\BG113022\
Data File : BG055852.D
Acq On : 30 Nov 2022 21:58
Operator : CG/JU
Sample : N5801-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-13

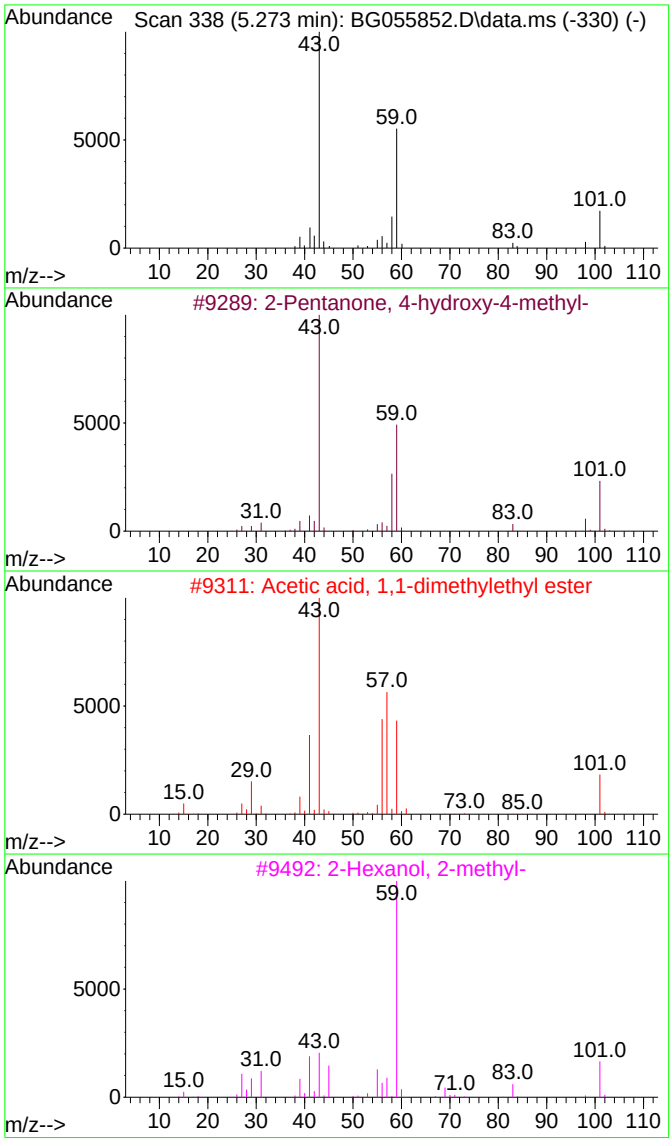
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

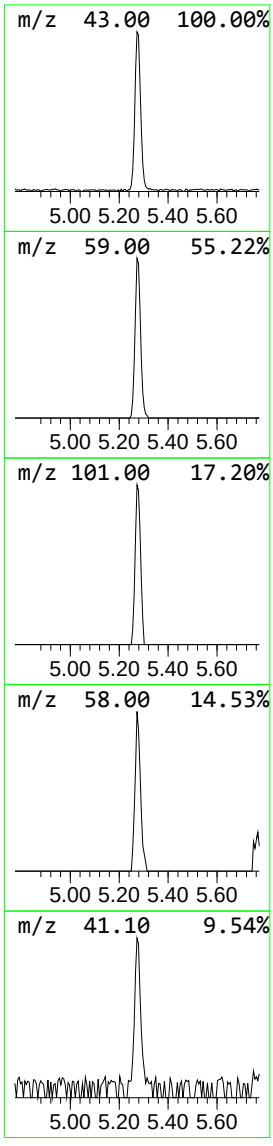
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.273	5.23 ng	78317	1,4-Dichlorobenzene-d4	8.228

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	27
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG113022\
Data File : BG055852.D
Acq On : 30 Nov 2022 21:58
Operator : CG/JU
Sample : N5801-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

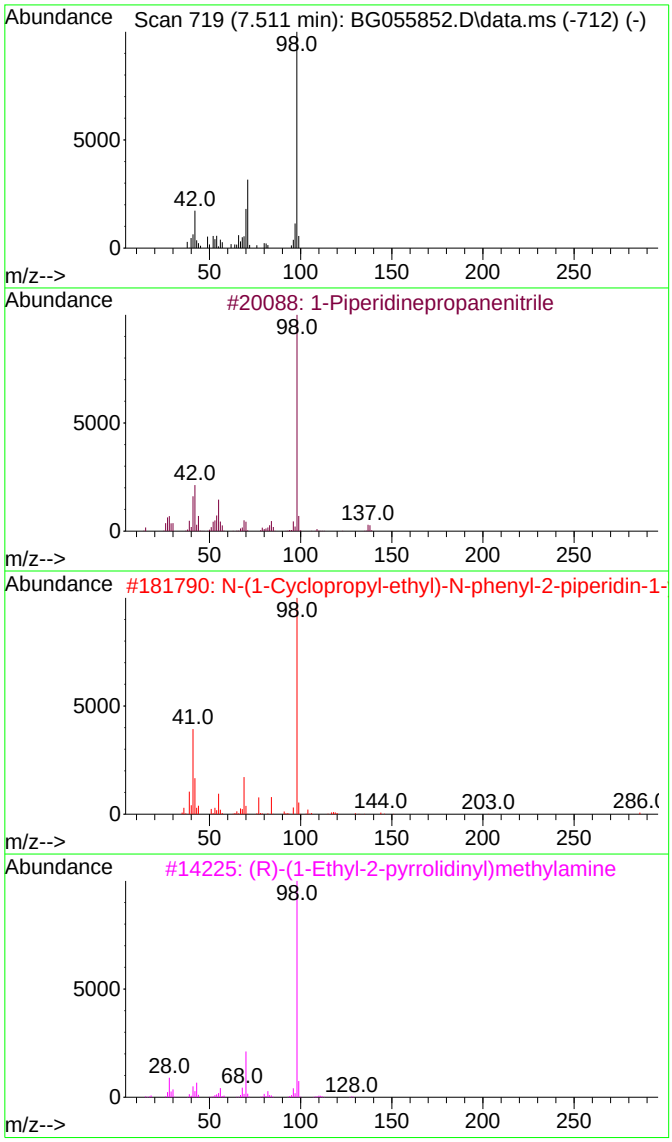
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

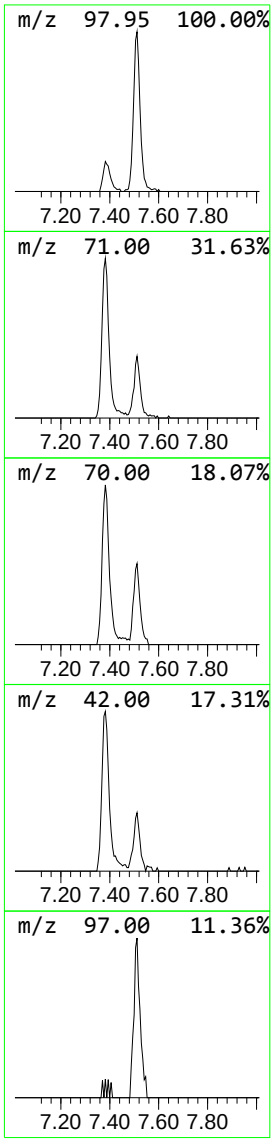
****

Peak Number 2 1-Piperidinepropanenitrile Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.511	5.17 ng	77413	1,4-Dichlorobenzene-d4	8.228

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Piperidinepropanenitrile	138	C8H14N2	003088-41-3	53
2	N-(1-Cyclopropyl-ethyl)-N-phenyl...	286	C18H26N2O	1000295-95-4	50
3	(R)-(1-Ethyl-2-pyrrolidinyl)meth...	128	C7H16N2	022795-97-7	50
4	2-Pyrrolidinemethanamine, 1-ethyl-	128	C7H16N2	026116-12-1	50
5	1-(4-Amino-furazan-3-yl)-5-piper...	321	C13H19N7O3	311314-85-9	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG113022\
Data File : BG055852.D
Acq On : 30 Nov 2022 21:58
Operator : CG/JU
Sample : N5801-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

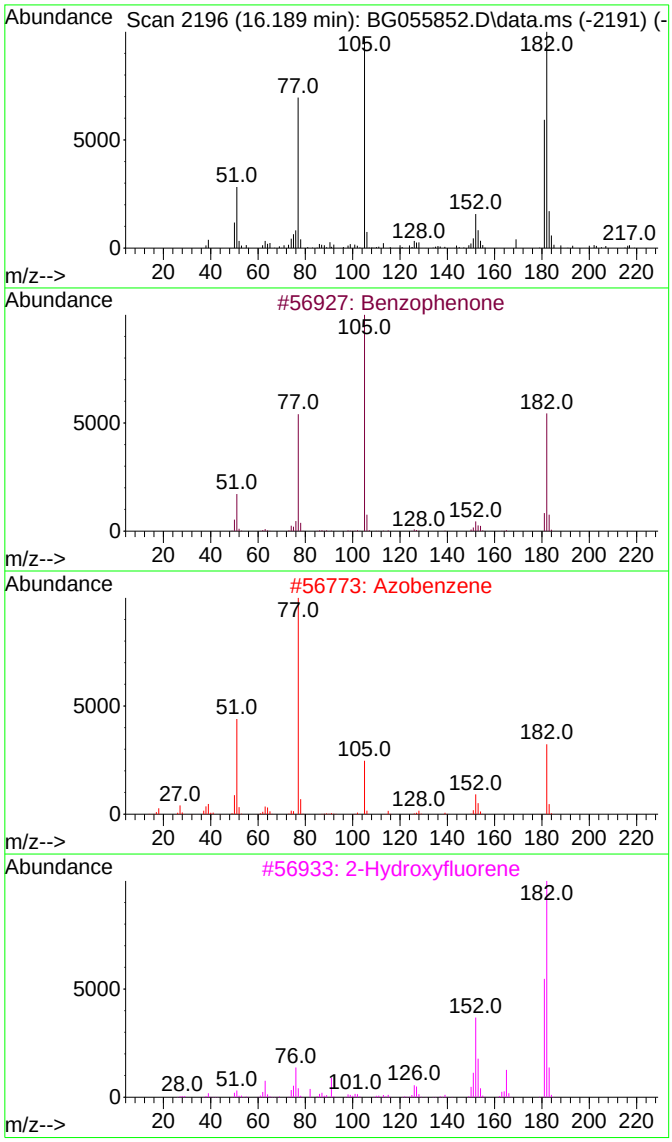
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

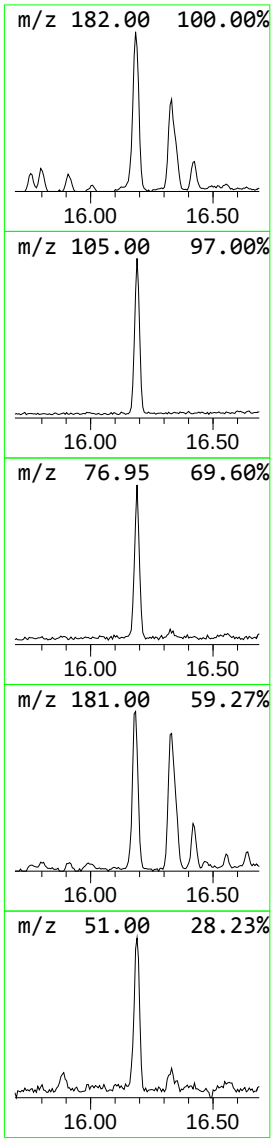
****

Peak Number 3 Benzophenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.189	6.08 ng	166905	Acenaphthene-d10	14.850

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	81
2	Azobenzene	182	C12H10N2	000103-33-3	70
3	2-Hydroxyfluorene	182	C13H10O	002443-58-5	49
4	Phenazine, 5,10-dihydro-	182	C12H10N2	000613-32-1	43
5	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG113022\
Data File : BG055852.D
Acq On : 30 Nov 2022 21:58
Operator : CG/JU
Sample : N5801-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

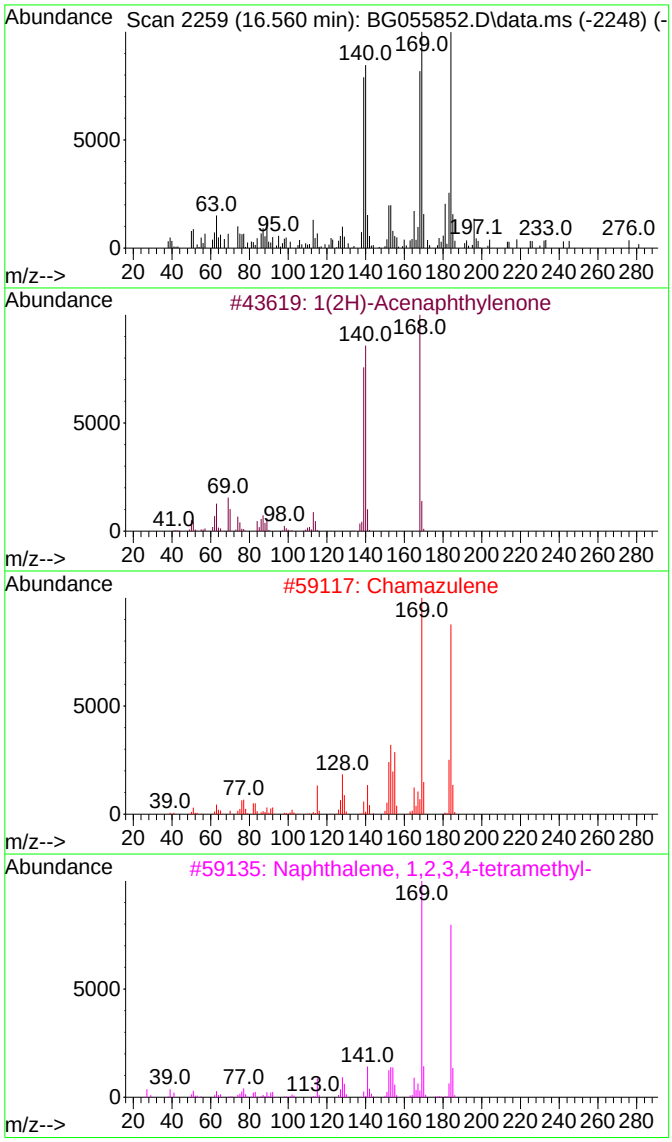
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

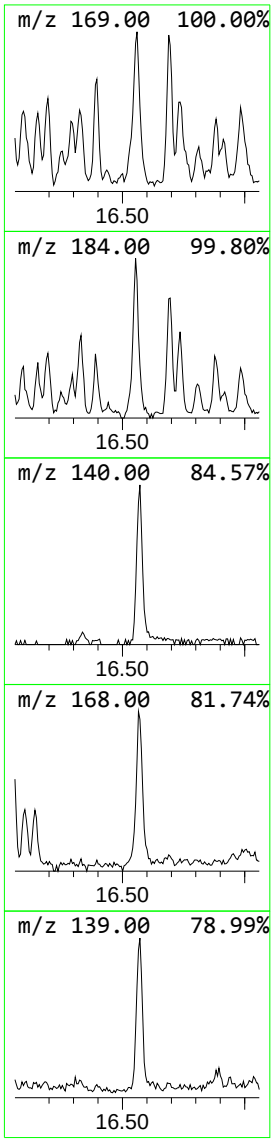
****

Peak Number 4 1(2H)-Acenaphthylenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.560	5.06 ng	161641	Phenanthrene-d10	17.594

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	86
2	Chamazulene	184	C14H16	000529-05-5	64
3	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	51
4	3-Isopropyl- 1-methylnaphthalene	184	C14H16	1000383-71-4	50
5	Benzene, (4,5,5-trimethyl-1,3-cy...	184	C14H16	033930-85-7	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG113022\
Data File : BG055852.D
Acq On : 30 Nov 2022 21:58
Operator : CG/JU
Sample : N5801-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-13

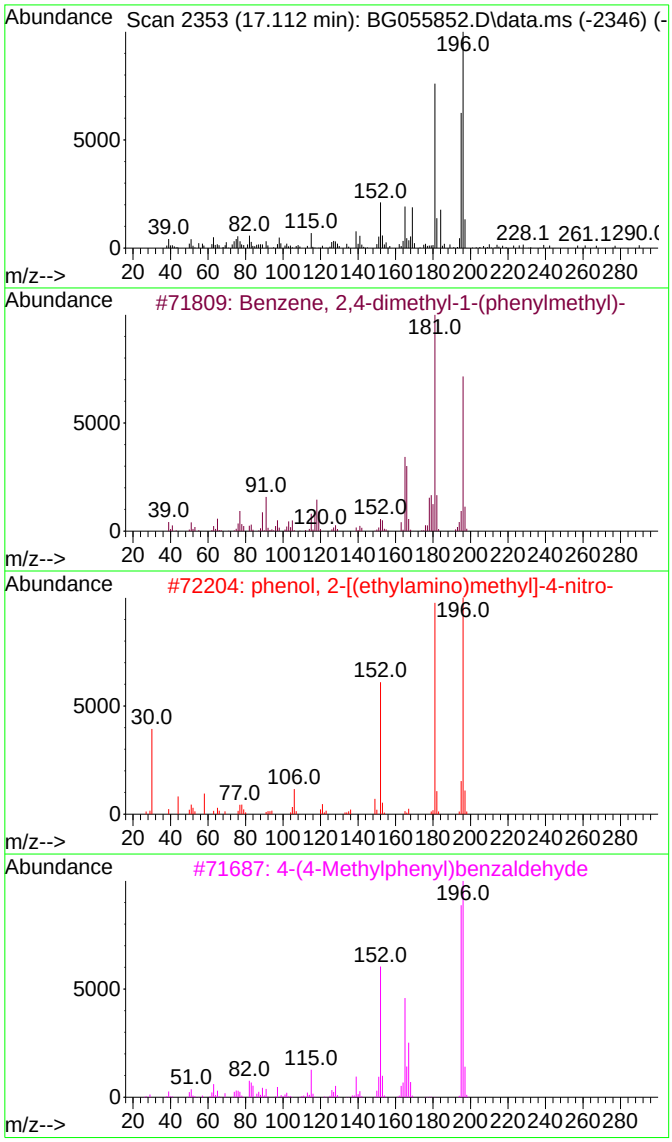
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

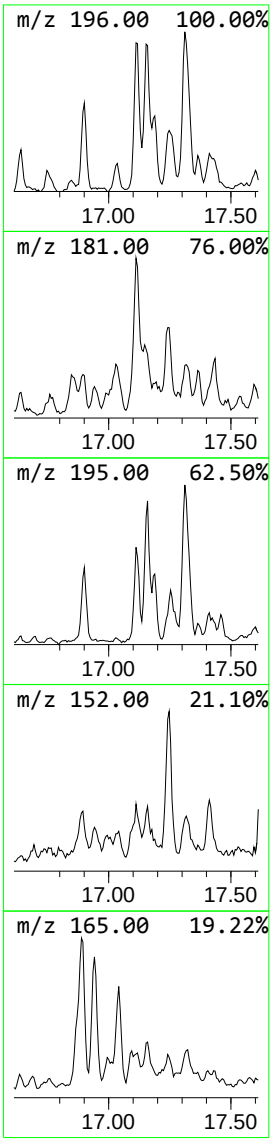
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 2,4-dimethyl-1-(ph... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.112	5.11 ng	163205	Phenanthrene-d10	17.594

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2,4-dimethyl-1-(phenylm...	196	C15H16	028122-28-3	59
2	phenol, 2-[(ethylamino)methyl]-4...	196	C9H12N2O3	1000400-09-7	59
3	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	49
4	p-Toluenesulfonamide, N-(xanthen...	351	C20H17NO3S	006326-06-3	49
5	4,5-Dimethoxy-2-hydroxyacetophenone	196	C10H12O4	020628-06-2	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG113022\
Data File : BG055852.D
Acq On : 30 Nov 2022 21:58
Operator : CG/JU
Sample : N5801-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-13

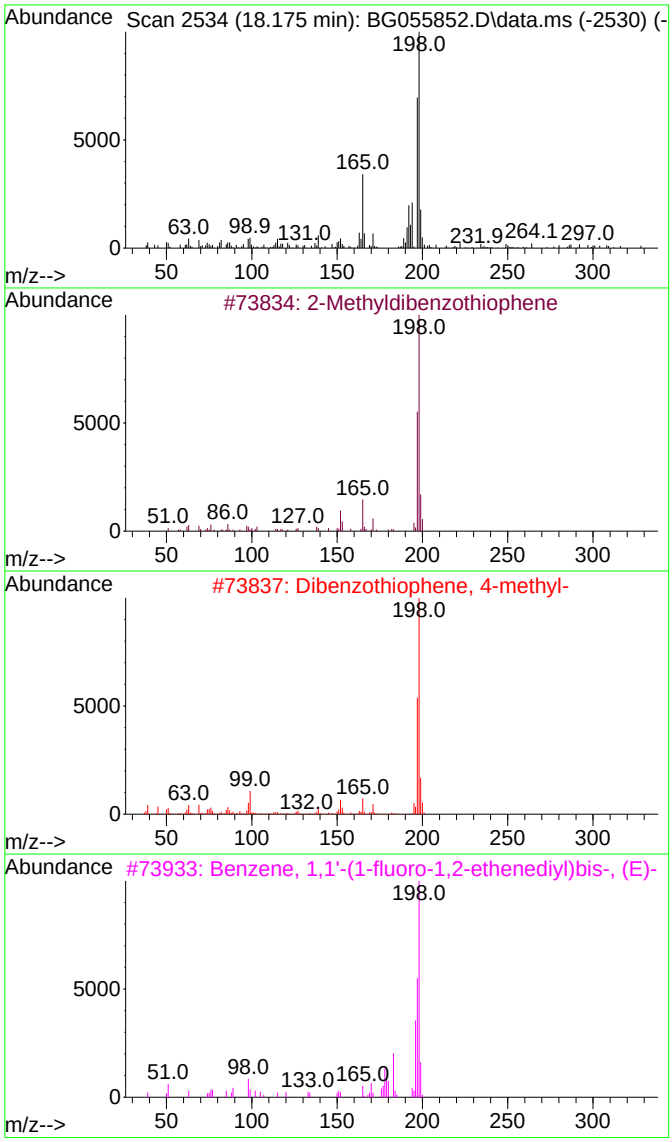
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

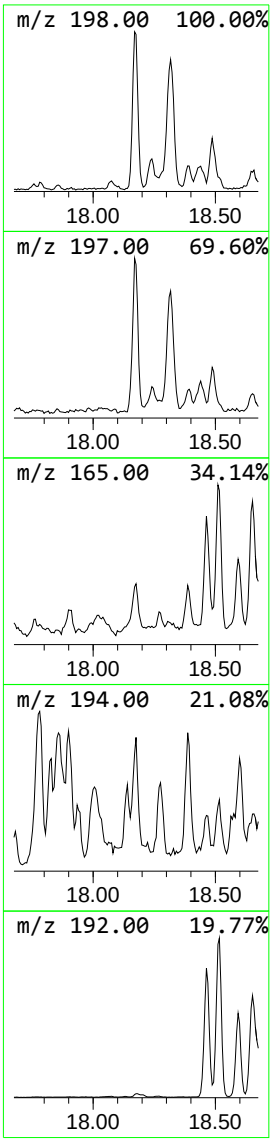
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 2-Methyldibenzothiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.175	4.01 ng	128102	Phenanthrene-d10	17.594

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	58
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	58
3	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	50
4	Tacrine	198	C13H14N2	000321-64-2	47
5	2-(1,6,7-Ttrimethylindol-3-yl)ac...	198	C13H14N2	1000436-09-3	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG113022\
Data File : BG055852.D
Acq On : 30 Nov 2022 21:58
Operator : CG/JU
Sample : N5801-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

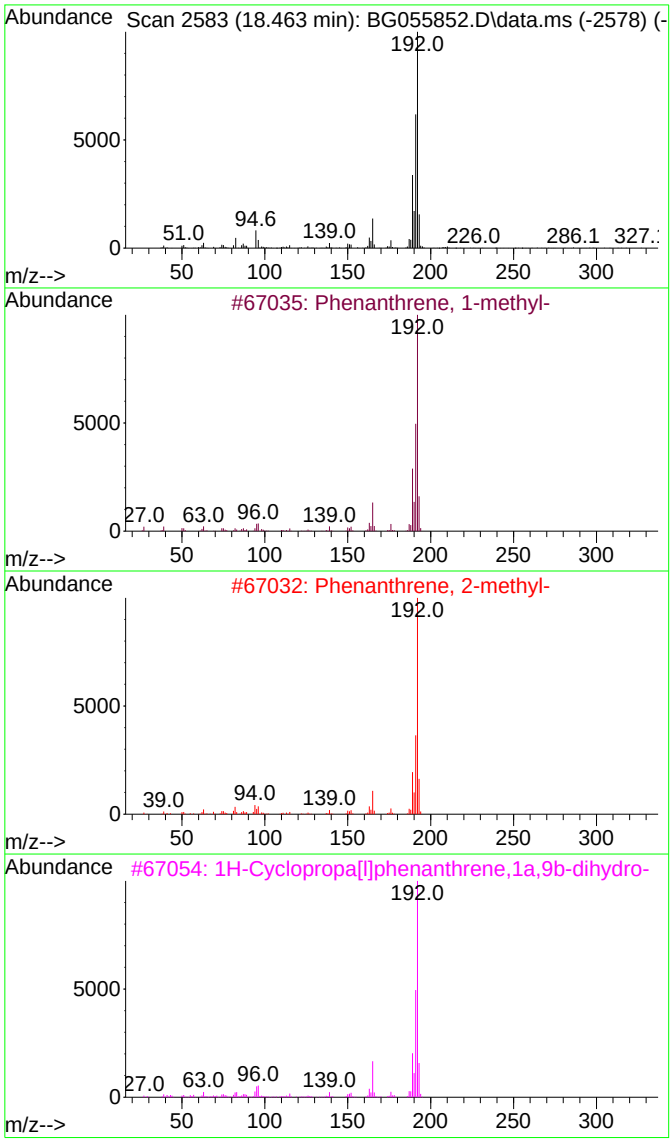
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

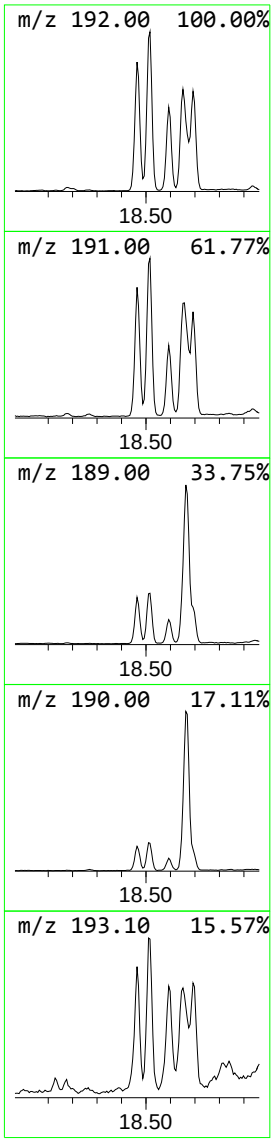
****

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.463	17.61 ng	562019	Phenanthrene-d10	17.594

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG113022\
Data File : BG055852.D
Acq On : 30 Nov 2022 21:58
Operator : CG/JU
Sample : N5801-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

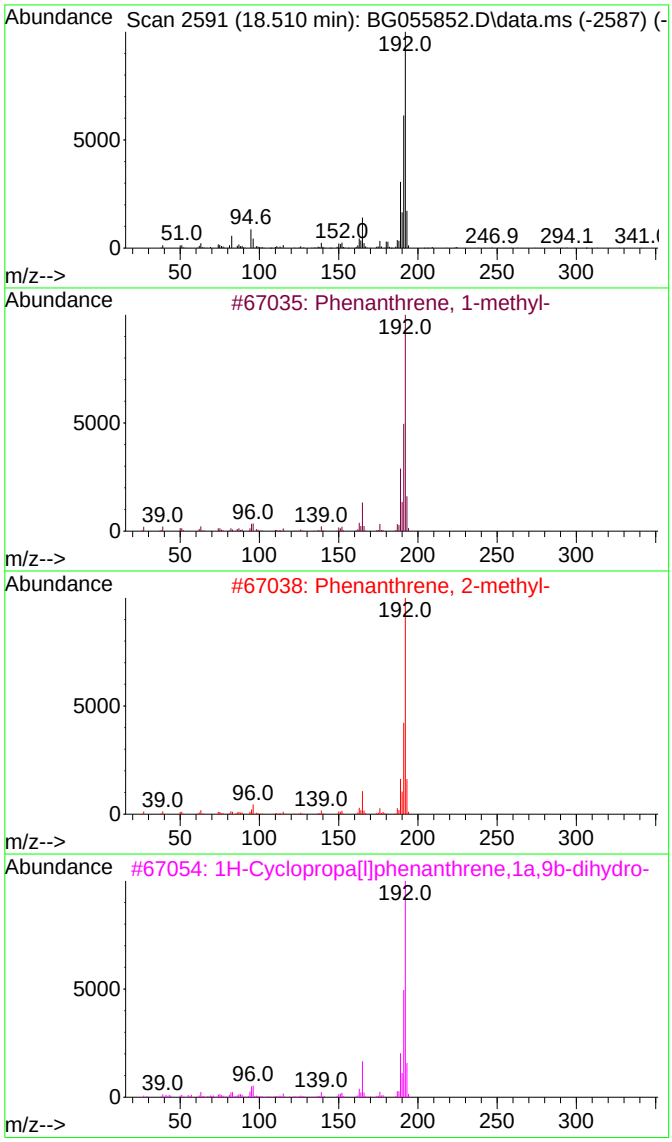
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

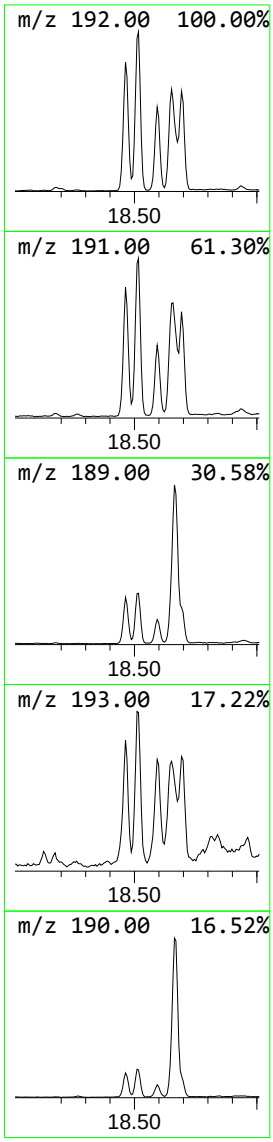
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.510	22.89 ng	730671	Phenanthrene-d10	17.594

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG113022\
Data File : BG055852.D
Acq On : 30 Nov 2022 21:58
Operator : CG/JU
Sample : N5801-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

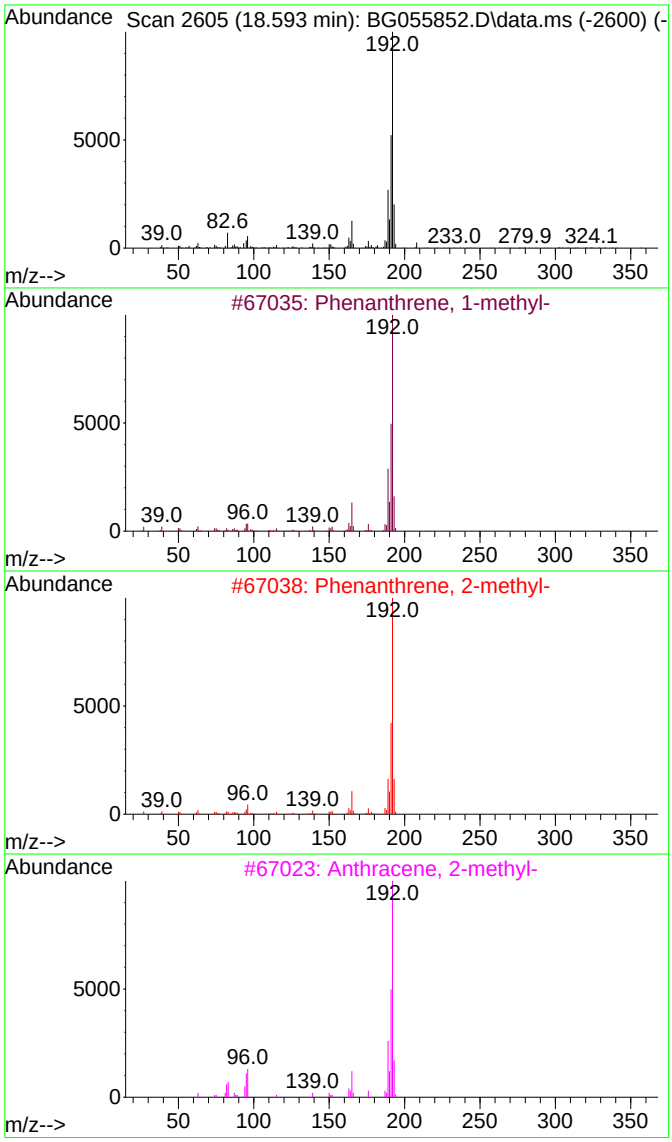
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

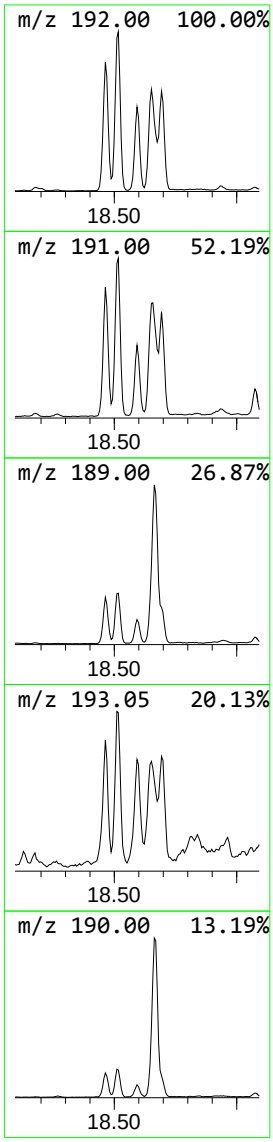
****

Peak Number 9 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.593	11.06 ng	353211	Phenanthrene-d10	17.594

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	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG113022\
Data File : BG055852.D
Acq On : 30 Nov 2022 21:58
Operator : CG/JU
Sample : N5801-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-13

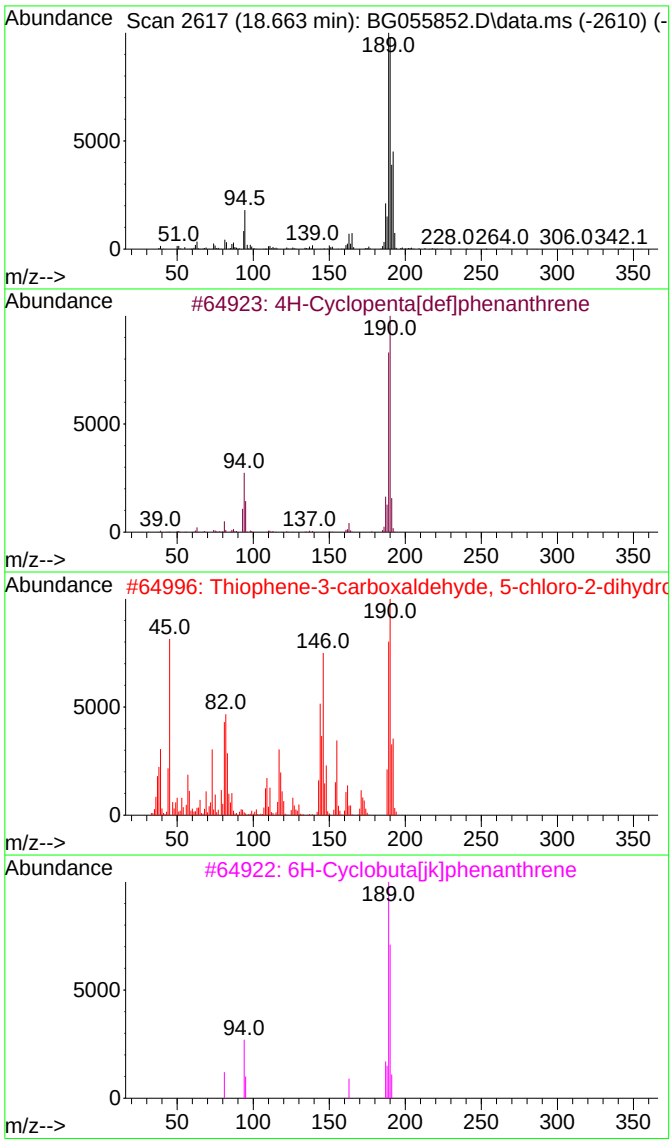
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

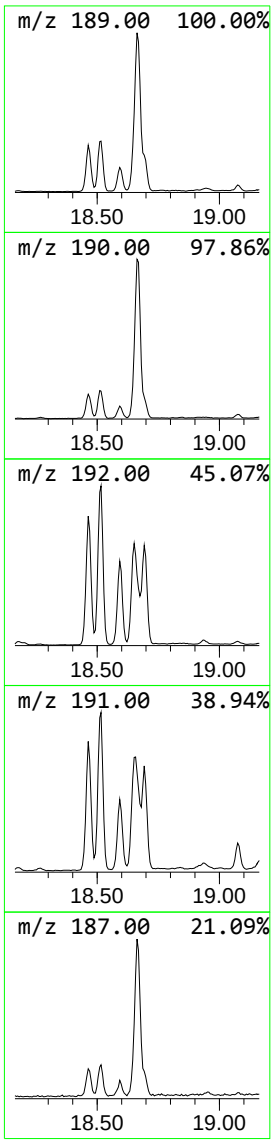
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.663	37.86 ng	1208470	Phenanthrene-d10	17.594

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG113022\
Data File : BG055852.D
Acq On : 30 Nov 2022 21:58
Operator : CG/JU
Sample : N5801-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

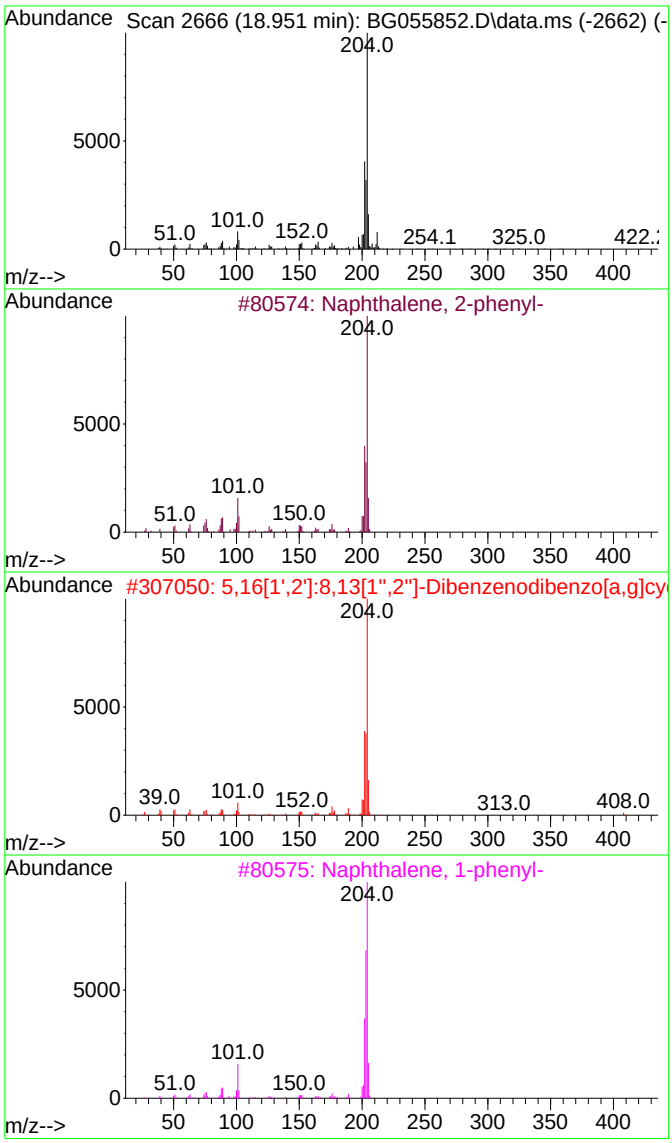
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

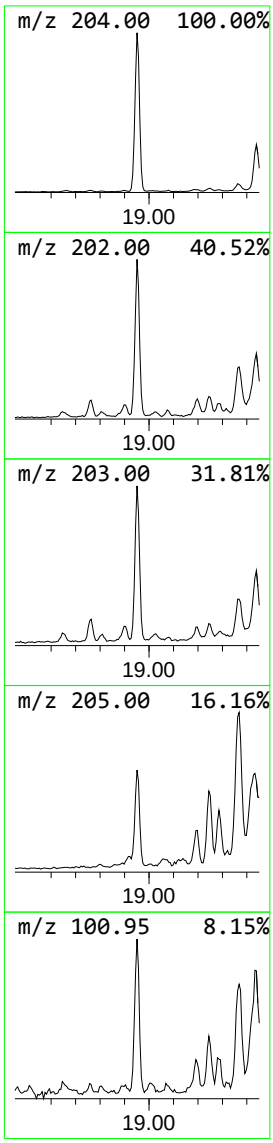
****

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.951	12.45 ng	397505	Phenanthrene-d10	17.594

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	49
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG113022\
Data File : BG055852.D
Acq On : 30 Nov 2022 21:58
Operator : CG/JU
Sample : N5801-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

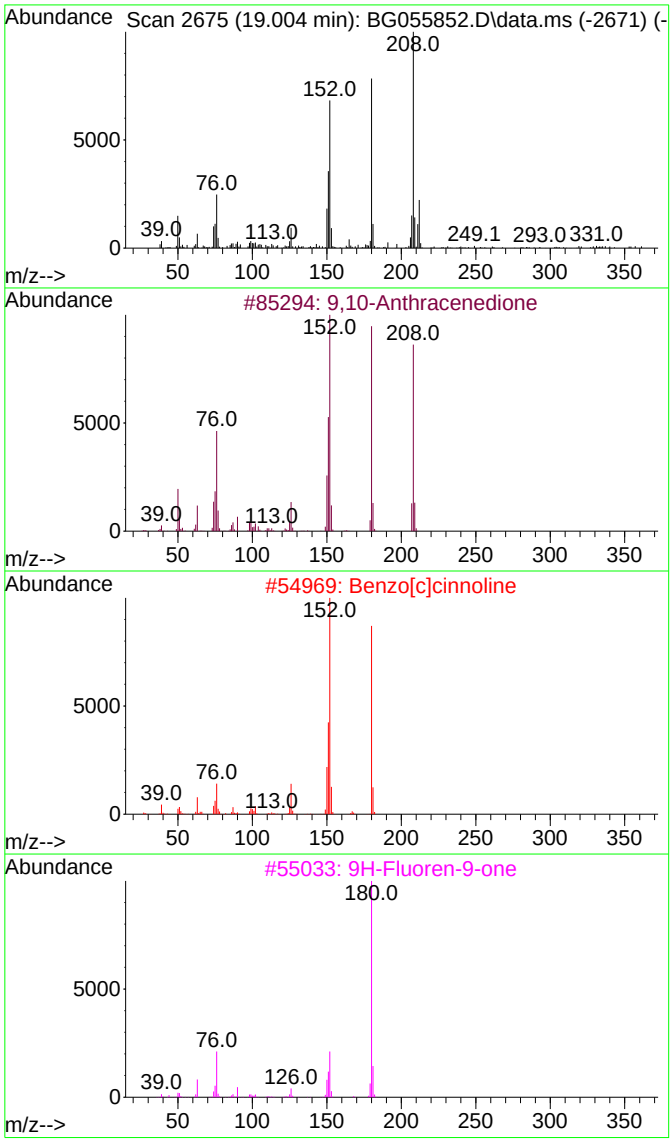
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

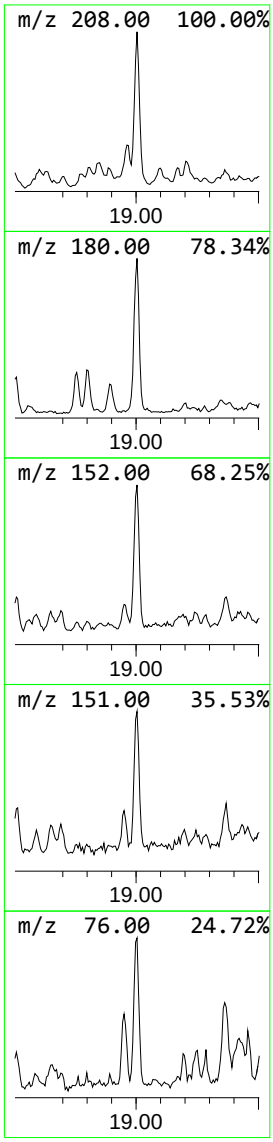
****

Peak Number 12 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.004	7.03 ng	224379	Phenanthrene-d10	17.594

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	55
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	55
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG113022\
Data File : BG055852.D
Acq On : 30 Nov 2022 21:58
Operator : CG/JU
Sample : N5801-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

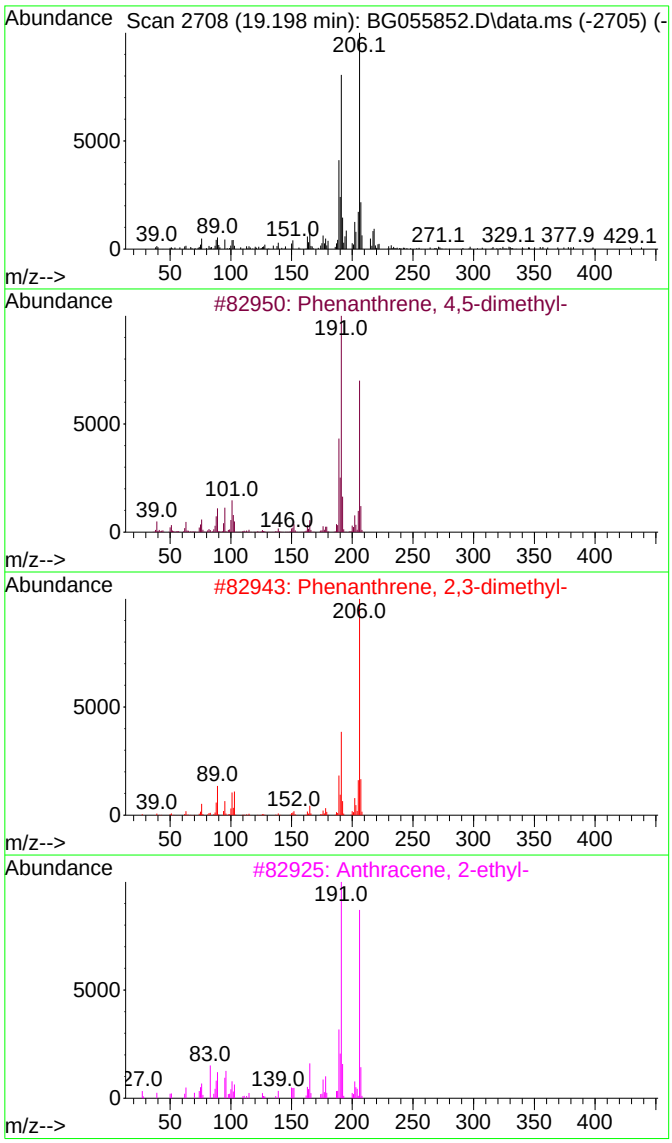
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

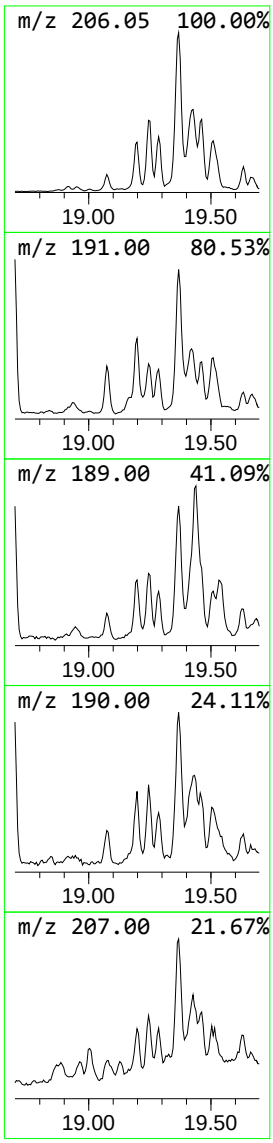
****

Peak Number 13 Phenanthrene, 4,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.198	4.66 ng	148699	Phenanthrene-d10	17.594

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	81
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	81
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG113022\
Data File : BG055852.D
Acq On : 30 Nov 2022 21:58
Operator : CG/JU
Sample : N5801-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

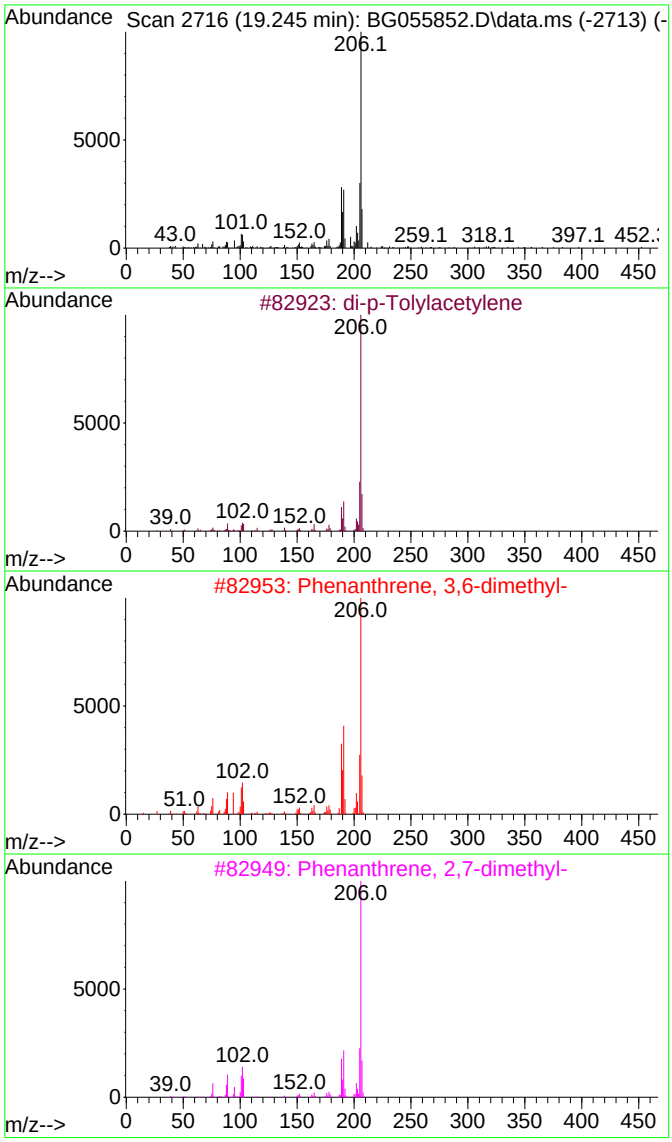
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

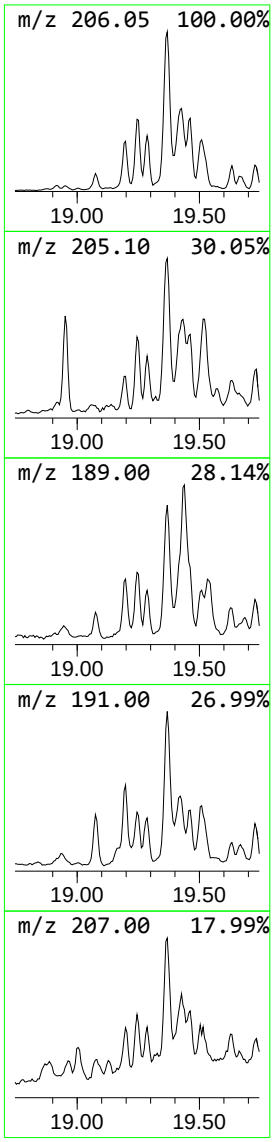
****

Peak Number 14 di-p-Tolylacetylene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.245	5.53 ng	176689	Phenanthrene-d10	17.594

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	83
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG113022\
Data File : BG055852.D
Acq On : 30 Nov 2022 21:58
Operator : CG/JU
Sample : N5801-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

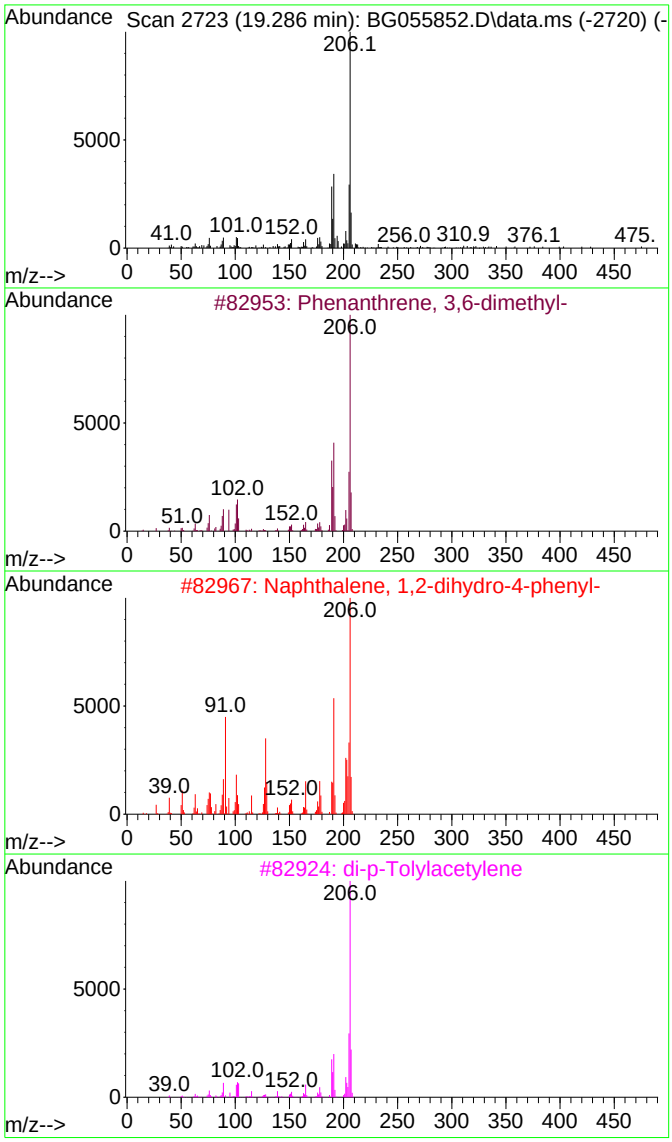
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

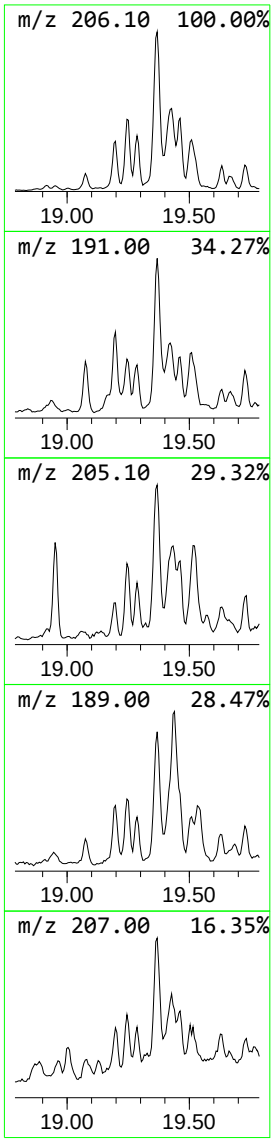
****

Peak Number 15 Phenanthrene, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.286	3.92 ng	125298	Phenanthrene-d10	17.594

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG113022\
Data File : BG055852.D
Acq On : 30 Nov 2022 21:58
Operator : CG/JU
Sample : N5801-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

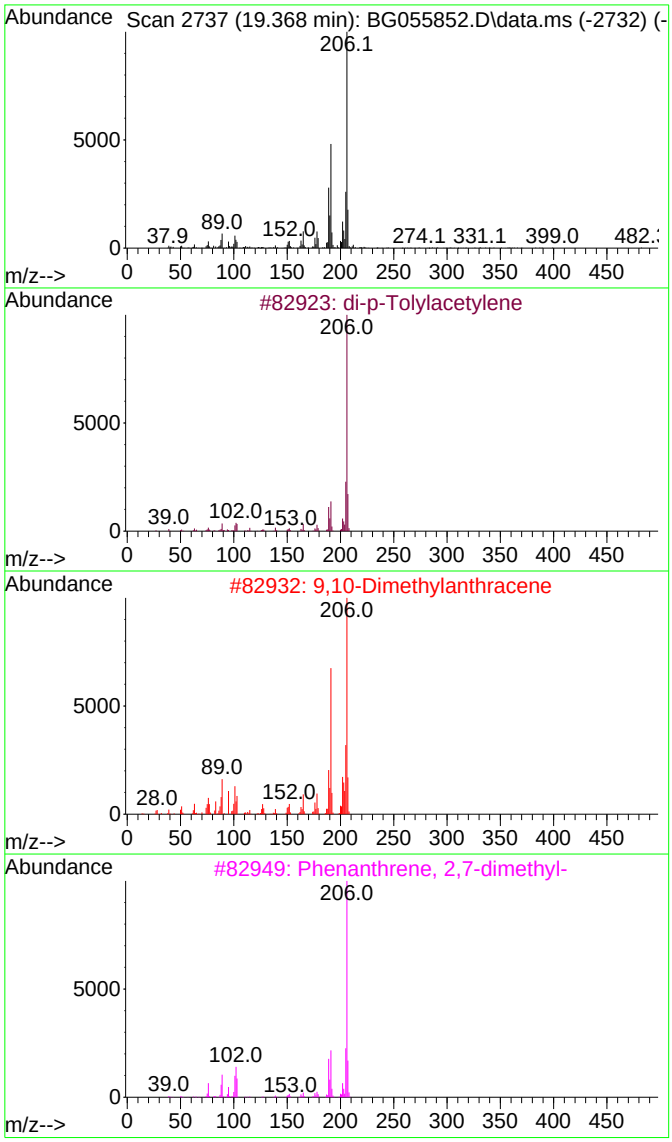
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

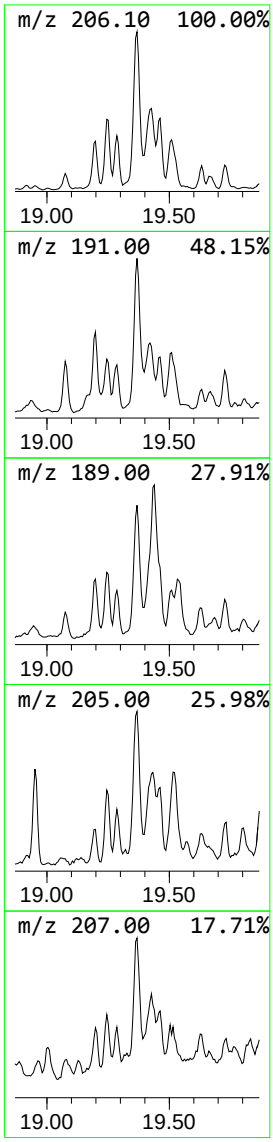
****

Peak Number 16 9,10-Dimethylanthracene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.368	20.28 ng	647299	Phenanthrene-d10	17.594

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG113022\
Data File : BG055852.D
Acq On : 30 Nov 2022 21:58
Operator : CG/JU
Sample : N5801-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

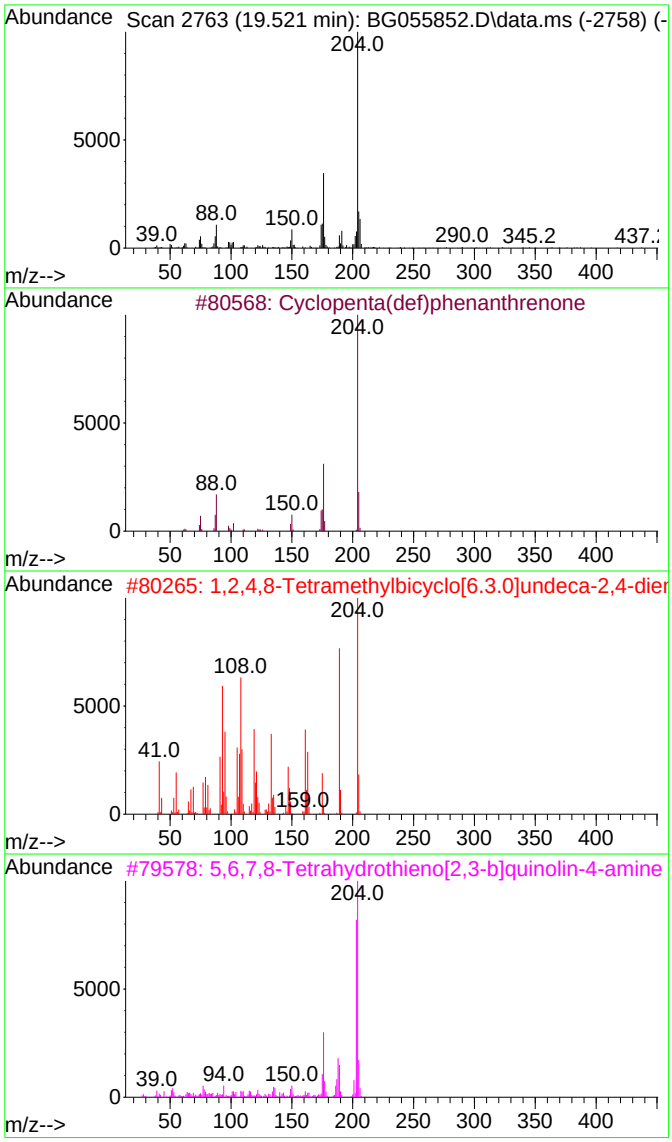
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

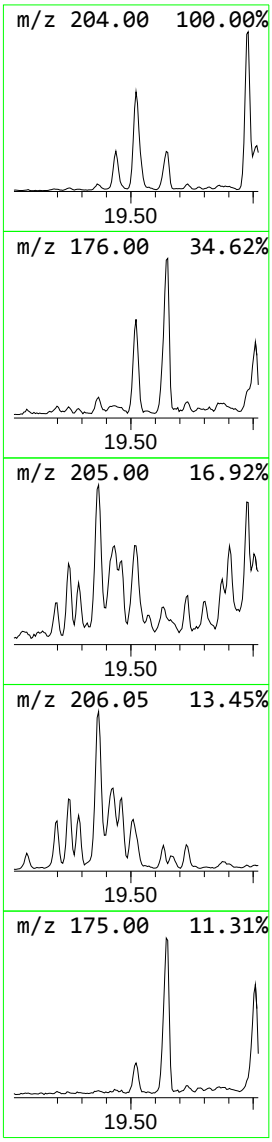
****

Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.521	18.89 ng	603021	Phenanthrene-d10	17.594

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	60
3	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	59
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
5	Dihydrofuranno(3,2-H)homochromanone	204	C12H12O3	057052-85-4	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG113022\
Data File : BG055852.D
Acq On : 30 Nov 2022 21:58
Operator : CG/JU
Sample : N5801-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-13

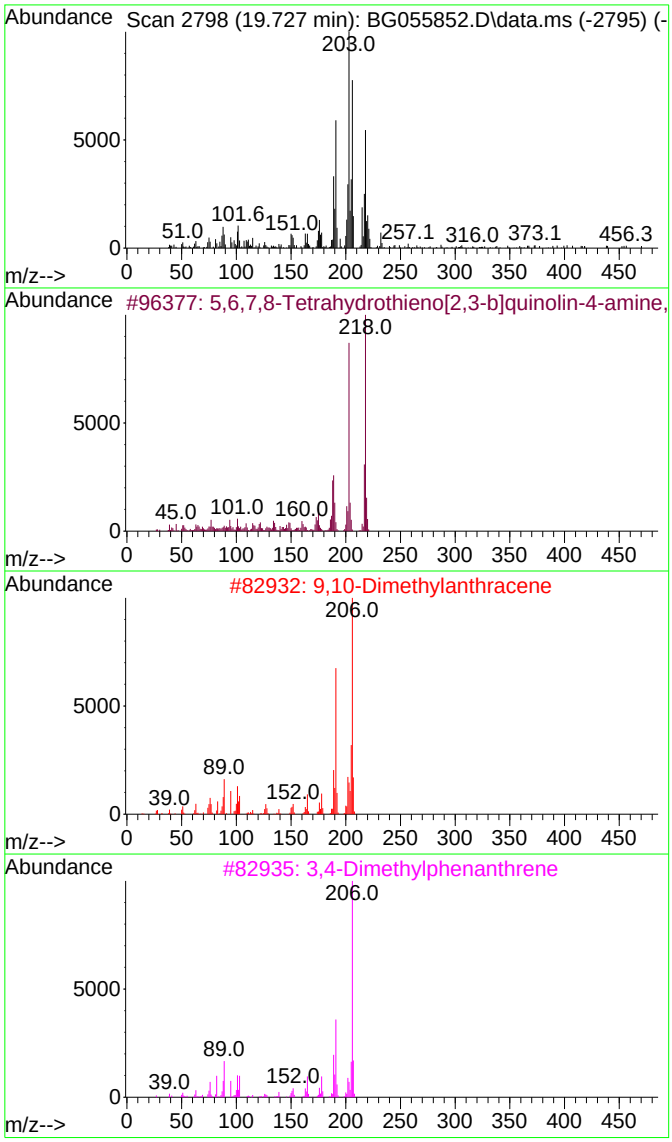
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

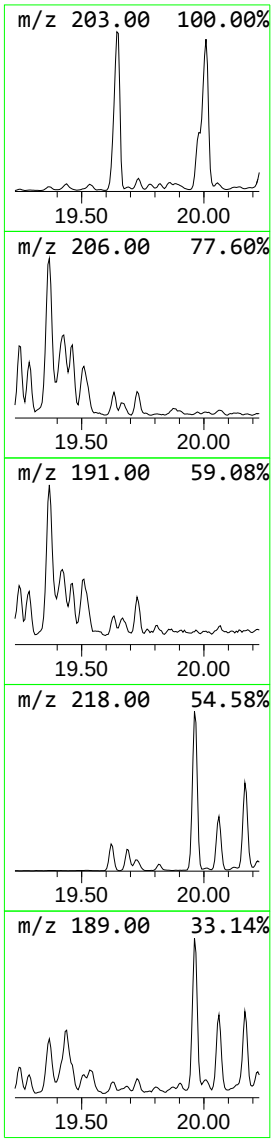
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 5,6,7,8-Tetrahydrothieno[2,... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.727	6.73 ng	214932	Phenanthrene-d10	17.594

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,6,7,8-Tetrahydrothieno[2,3-b]q...	218	C12H14N2S	134315-44-9	64
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	46
3	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	46
4	Phenanthrene, 2-ethyl-	206	C16H14	003674-74-6	41
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	41





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG113022\
Data File : BG055852.D
Acq On : 30 Nov 2022 21:58
Operator : CG/JU
Sample : N5801-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

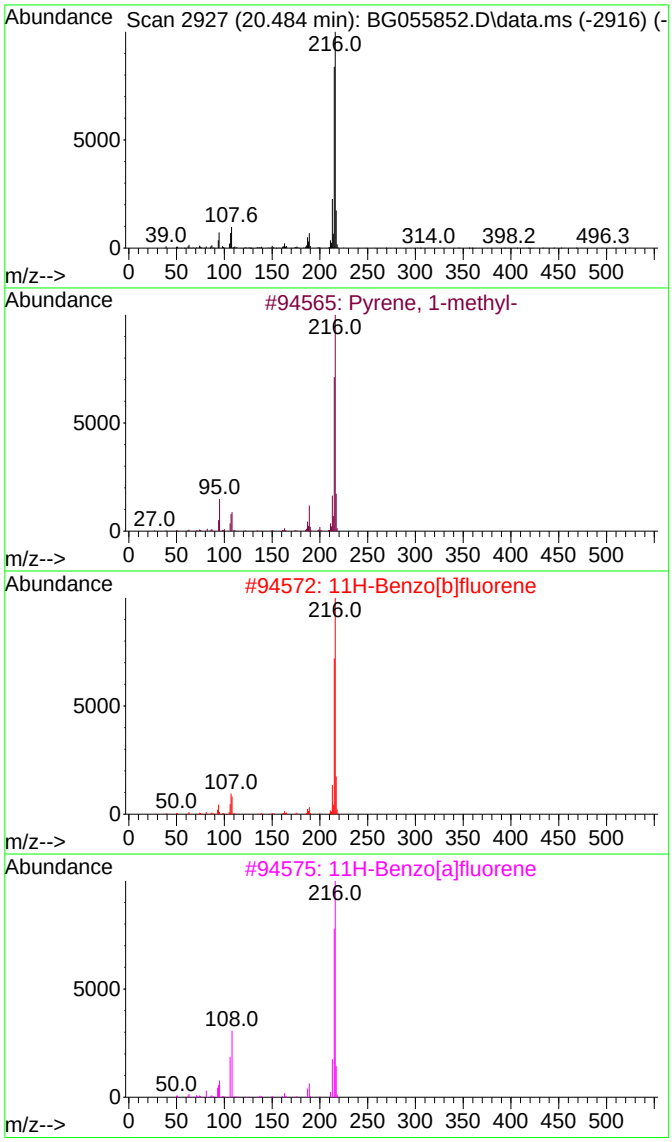
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

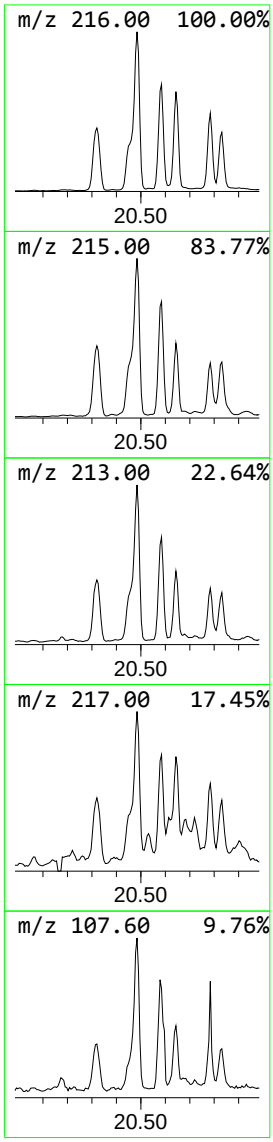
****

Peak Number 19 Pyrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.485	6.87 ng	1908600	Chrysene-d12	21.900

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG113022\
Data File : BG055852.D
Acq On : 30 Nov 2022 21:58
Operator : CG/JU
Sample : N5801-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

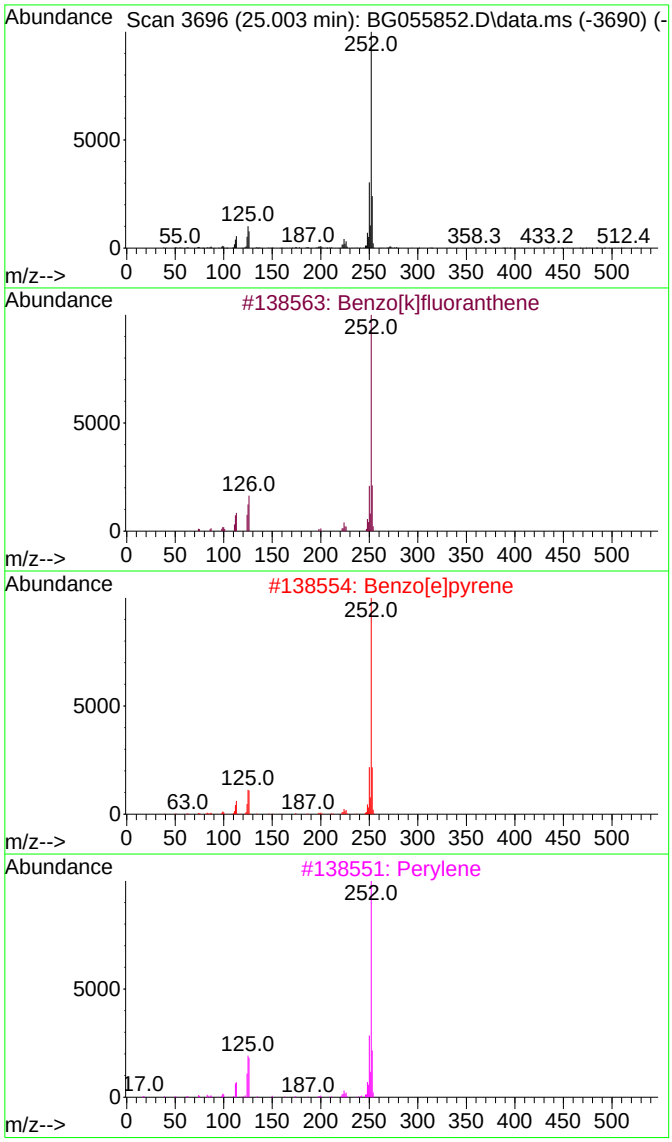
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

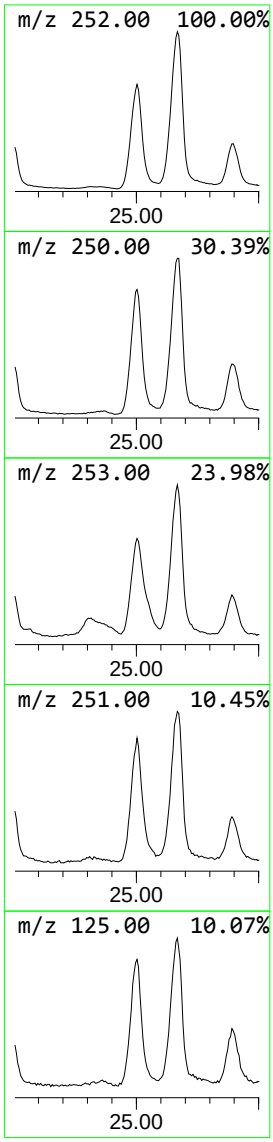
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.003	13.07 ng	2446860	Perylene-d12	25.314

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	95
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG113022\
Data File : BG055852.D
Acq On : 30 Nov 2022 21:58
Operator : CG/JU
Sample : N5801-01 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-13

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.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-...	5.273	5.2	ng	78317	1	8.228	299485	20.0
1-Piperidinepro...	7.511	5.2	ng	77413	1	8.228	299485	20.0
Benzophenone	16.189	6.1	ng	166905	3	14.850	549302	20.0
1(2H)-Acenaphth...	16.560	5.1	ng	161641	4	17.594	638461	20.0
Benzene, 2,4-di...	17.112	5.1	ng	163205	4	17.594	638461	20.0
2-Methyldibenzo...	18.175	4.0	ng	128102	4	17.594	638461	20.0
Phenanthrene, 1...	18.463	17.6	ng	562019	4	17.594	638461	20.0
Phenanthrene, 2...	18.510	22.9	ng	730671	4	17.594	638461	20.0
Anthracene, 2-m...	18.593	11.1	ng	353211	4	17.594	638461	20.0
4H-Cyclopenta[d...	18.663	37.9	ng	1208470	4	17.594	638461	20.0
Naphthalene, 2-...	18.951	12.4	ng	397505	4	17.594	638461	20.0
9,10-Anthracene...	19.004	7.0	ng	224379	4	17.594	638461	20.0
Phenanthrene, 4...	19.198	4.7	ng	148699	4	17.594	638461	20.0
di-p-Tolylacety...	19.245	5.5	ng	176689	4	17.594	638461	20.0
Phenanthrene, 3...	19.286	3.9	ng	125298	4	17.594	638461	20.0
9,10-Dimethylan...	19.368	20.3	ng	647299	4	17.594	638461	20.0
Cyclopenta(def)...	19.521	18.9	ng	603021	4	17.594	638461	20.0
5,6,7,8-Tetrahy...	19.727	6.7	ng	214932	4	17.594	638461	20.0
Pyrene, 1-methyl-	20.485	6.9	ng	1908600	5	21.900	5556280	20.0
Benzo[e]pyrene	25.003	13.1	ng	2446860	6	25.314	3744840	20.0