LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
Data File : BG054554.D
Acq On : 8 Aug 2022 15:26
Operator : CG/JU
Sample : N4023-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP2-1-6

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-BG071522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG054554.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.089	12	17	30	rVB	87500	152975	11.34%	1.117%
2	5.563	431	438	451	rBV	249082	440343	32.64%	3.216%
3	7.185	706	714	728	rBV	259696	480635	35.63%	3.510%
4	7.978	842	849	856	rBV	63901	110024	8.16%	0.803%
5	9.147	1038	1048	1061	rBV	170081	314034	23.28%	2.293%
6	10.786	1316	1327	1333	rBV	83078	157493	11.67%	1.150%
7	10.839	1333	1336	1343	rVB	12678	19205	1.42%	0.140%
8	13.236	1737	1744	1754	rVB	547443	849312	62.96%	6.202%
9	14.347	1927	1933	1941	rBV	8288	15329	1.14%	0.112%
10	14.617	1968	1979	1985	rBV	149339	239441	17.75%	1.749%
11	14.682	1985	1990	1997	rVB	30882	49483	3.67%	0.361%
12	15.017	2041	2047	2056	rBV	22721	37710	2.80%	0.275%
13	15.669	2150	2158	2164	rBV	33733	56068	4.16%	0.409%
14	15.963	2204	2208	2215	rVB	10103	15927	1.18%	0.116%
15	16.115	2228	2234	2246	rBV	481921	774891	57.44%	5.659%
16	16.344	2269	2273	2278	rVB7	8069	13609	1.01%	0.099%
17	16.673	2323	2329	2334	rVB6	6734	15156	1.12%	0.111%
18	16.891	2361	2366	2371	rBV7	7395	16910	1.25%	0.123%
19	17.026	2385	2389	2394	rVB	22917	36499	2.71%	0.267%
20	17.108	2396	2403	2408	rVV5	14011	31238	2.32%	0.228%
21	17.185	2412	2416	2425	rVB	28342	47379	3.51%	0.346%
22	17.367	2441	2447	2450	rBV	189676	294715	21.85%	2.152%
23	17.414	2450	2455	2461	rVV	447653	722033	53.52%	5.273%
24	17.502	2465	2470	2476	rVV	90744	141879	10.52%	1.036%
25	17.567	2476	2481	2484	rVB3	8642	15218	1.13%	0.111%
26	17.772	2509	2516	2523	rBV2	55082	114853	8.51%	0.839%
27	17.878	2531	2534	2541	rBV4	13820	19558	1.45%	0.143%
28	17.954	2543	2547	2550	rBV3	12365	20133	1.49%	0.147%
29	18.248	2592	2597	2601	rBV	65448	121849	9.03%	0.890%
30	18.295	2601	2605	2612	rVB2	87202	132024	9.79%	0.964%
31	18.377	2615	2619	2624	rBV2	33463	48685	3.61%	0.356%
32	18.442	2624	2630	2634	rBV2	85516	172925	12.82%	1.263%
33	18.742	2677	2681	2684	rBV	52179	71234	5.28%	0.520%
34	18.794	2686	2690	2695	rVB	57296	87039	6.45%	0.636%
35	19.429	2792	2798	2804	rBV	851585	1236118	91.63%	9.027%
36	19.758	2849	2854	2855	rBV	143512	196388	14.56%	1.434%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
Data File : BG054554.D
Acq On : 8 Aug 2022 15:26
Operator : CG/JU
Sample : N4023-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP2-1-6

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-BG071522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	19.793	2855	2860	2867	rVB	688808	1085304	80.45%	7.926%
38	19.981	2886	2892	2897	rVB	956568	1349024	100.00%	9.852%
39	21.632	3166	3173	3179	rBV3	458902	1141091	84.59%	8.333%
40	21.691	3179	3183	3188	rVB	352528	571749	42.38%	4.175%
41	23.842	3541	3549	3556	rBV2	274823	925575	68.61%	6.759%
42	24.558	3666	3671	3684	rVB	162331	457184	33.89%	3.339%
43	24.711	3689	3697	3707	rVB	222960	665337	49.32%	4.859%
44	24.858	3716	3722	3729	rVB2	102650	229887	17.04%	1.679%

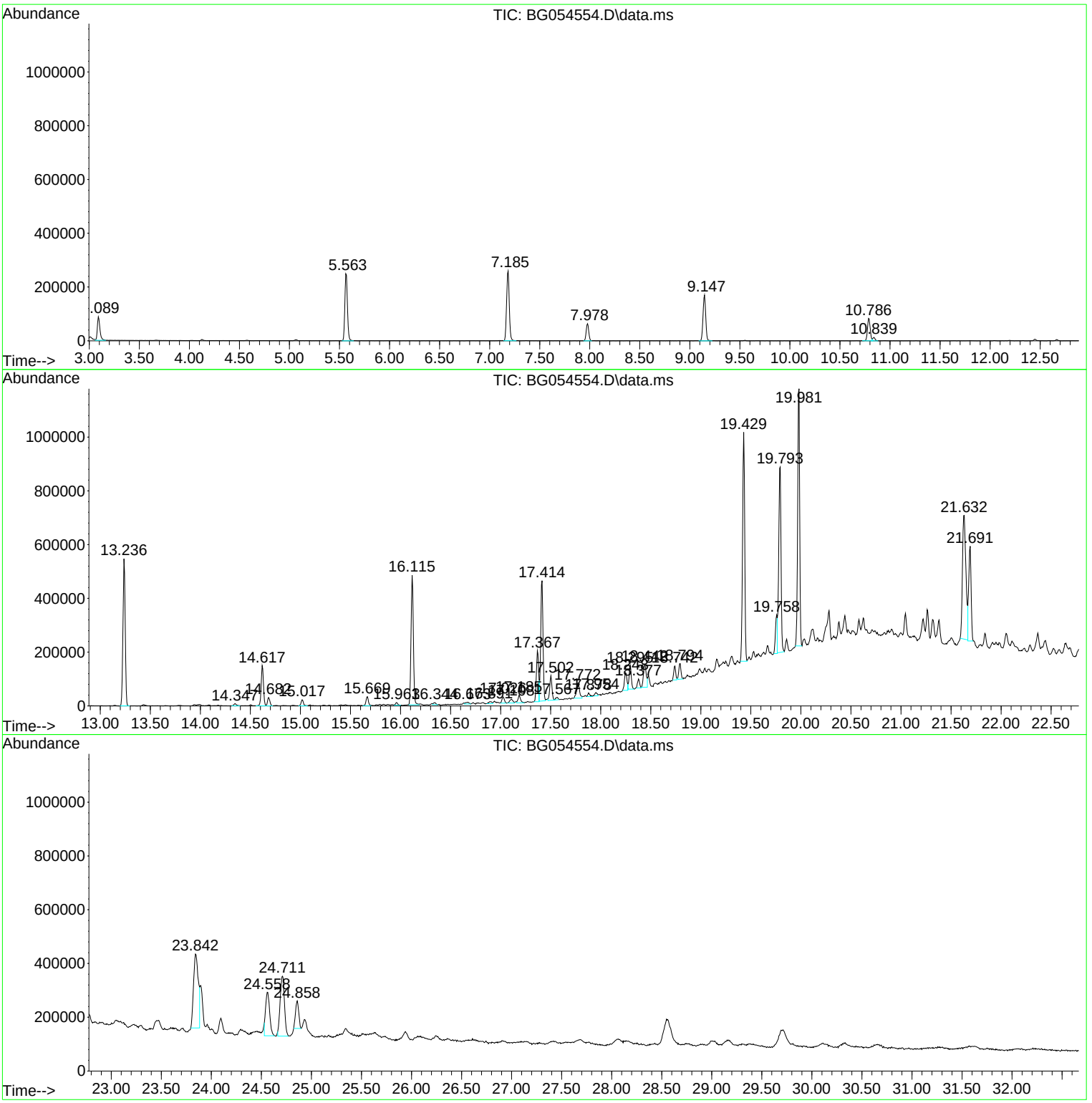
Sum of corrected areas: 13693463

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
Data File : BG054554.D
Acq On : 8 Aug 2022 15:26
Operator : CG/JU
Sample : N4023-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP2-1-6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.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\BG080822\
Data File : BG054554.D
Acq On : 8 Aug 2022 15:26
Operator : CG/JU
Sample : N4023-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP2-1-6

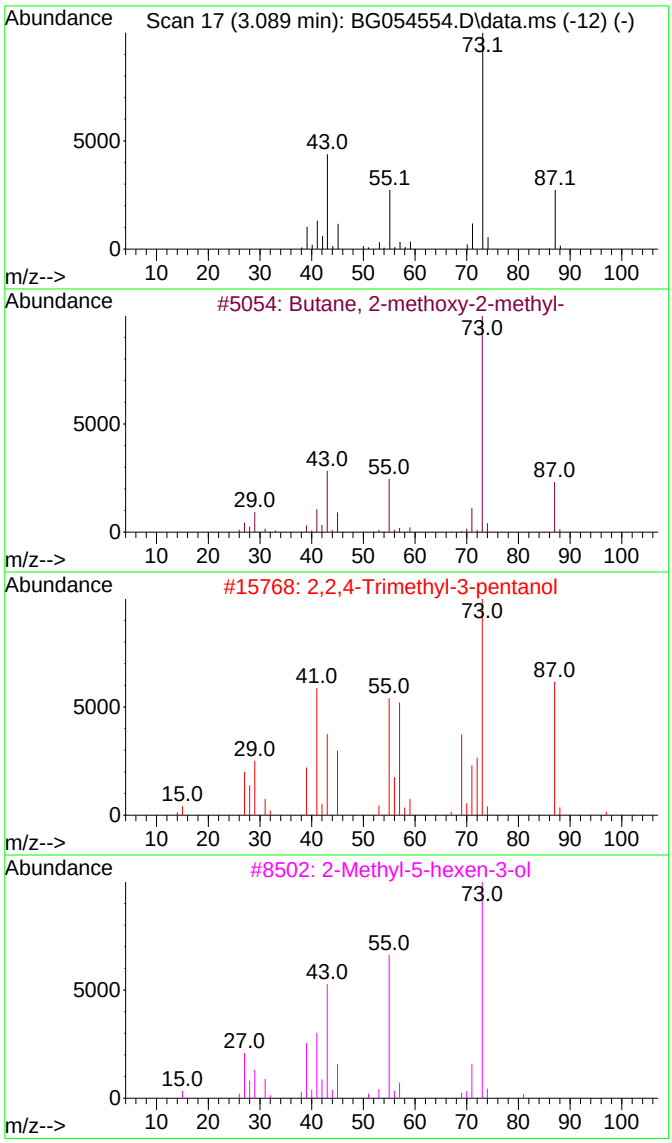
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

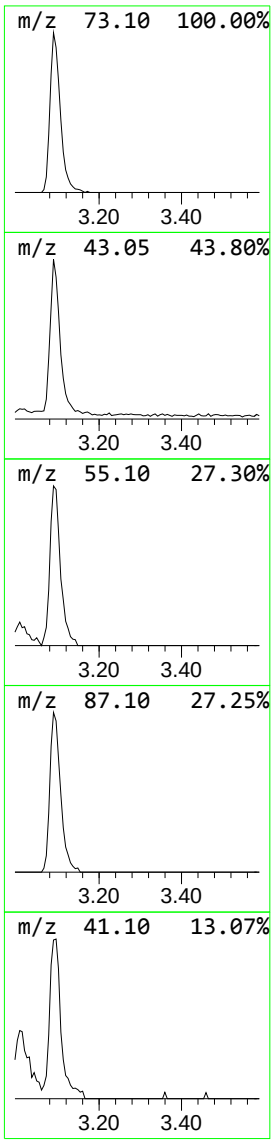
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.089	27.81 ng	152975	1,4-Dichlorobenzene-d4	7.978

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	42
3	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	40
4	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	37
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
Data File : BG054554.D
Acq On : 8 Aug 2022 15:26
Operator : CG/JU
Sample : N4023-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP2-1-6

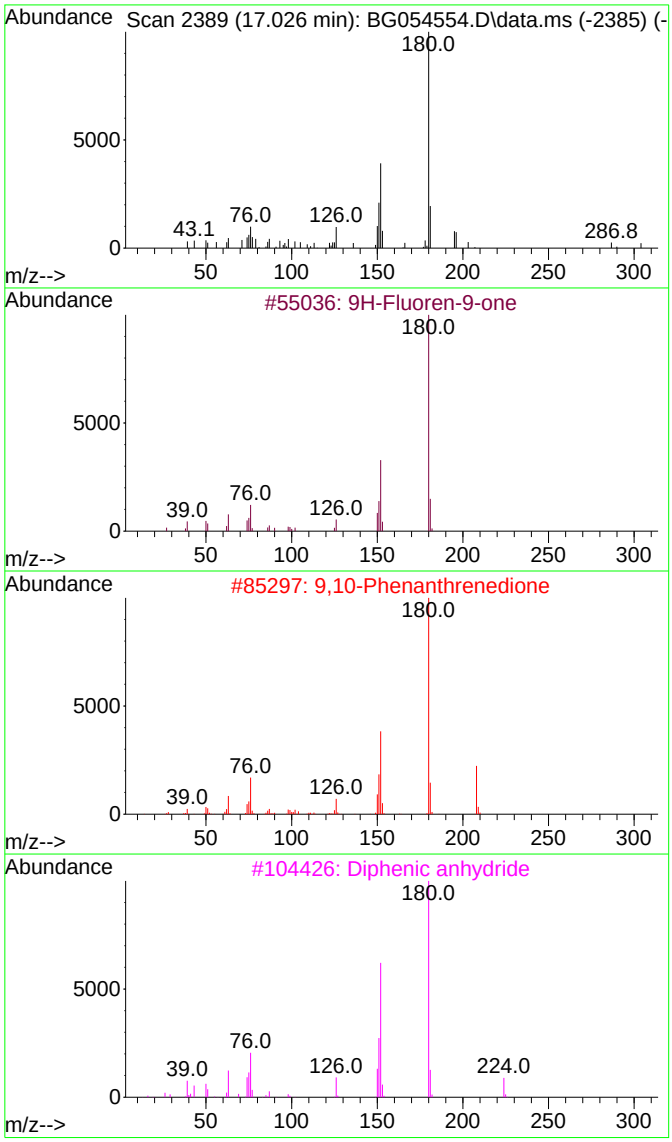
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

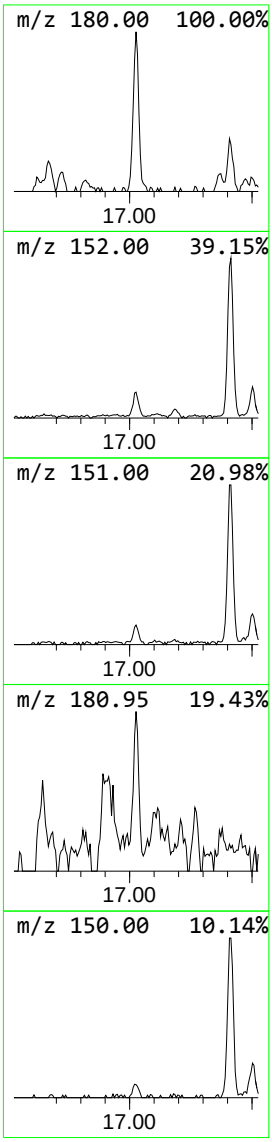
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 9H-Fluoren-9-one Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.026	2.48 ng	36499	Phenanthrene-d10	17.367

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
2	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	86
3	Diphenic anhydride	224	C14H8O3	006050-13-1	78
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	64
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
Data File : BG054554.D
Acq On : 8 Aug 2022 15:26
Operator : CG/JU
Sample : N4023-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP2-1-6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

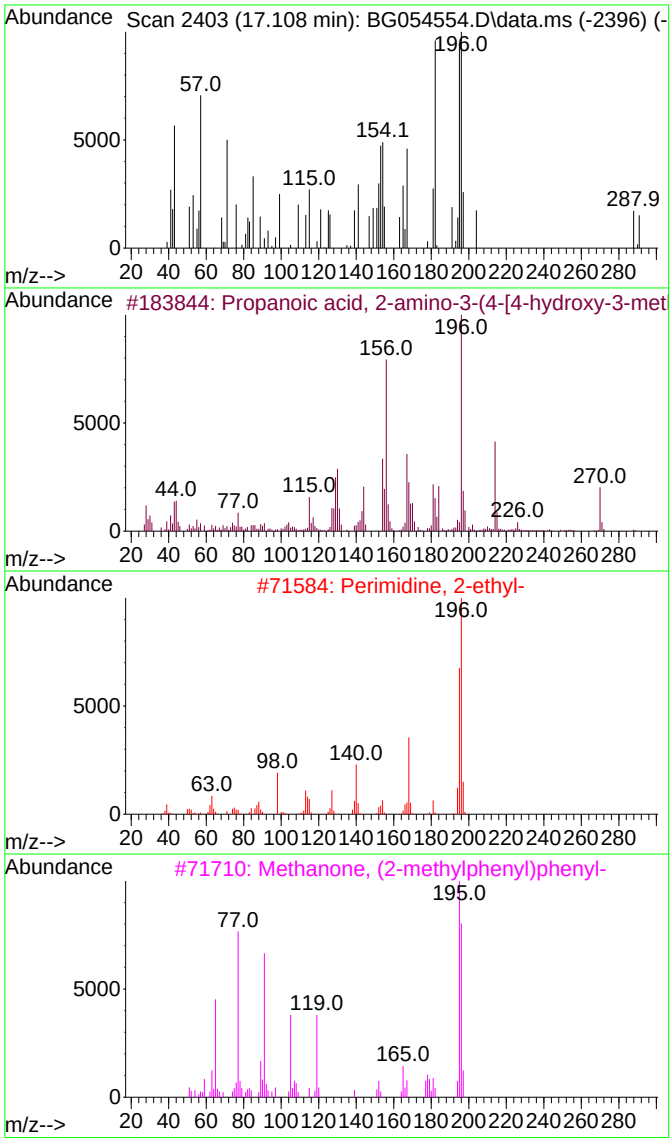
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

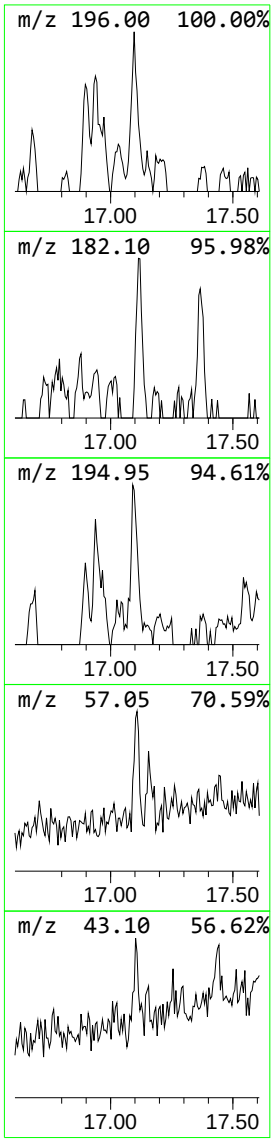
****

Peak Number 3 unknown17.108 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.108	2.12 ng	31238	Phenanthrene-d10	17.367

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-amino-3-(4-[4-...	288	C16H20N2O3	1000197-98-6	35
2	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	35
3	Methanone, (2-methylphenyl)phenyl-	196	C14H12O	000131-58-8	27
4	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	22
5	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	22





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
Data File : BG054554.D
Acq On : 8 Aug 2022 15:26
Operator : CG/JU
Sample : N4023-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP2-1-6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

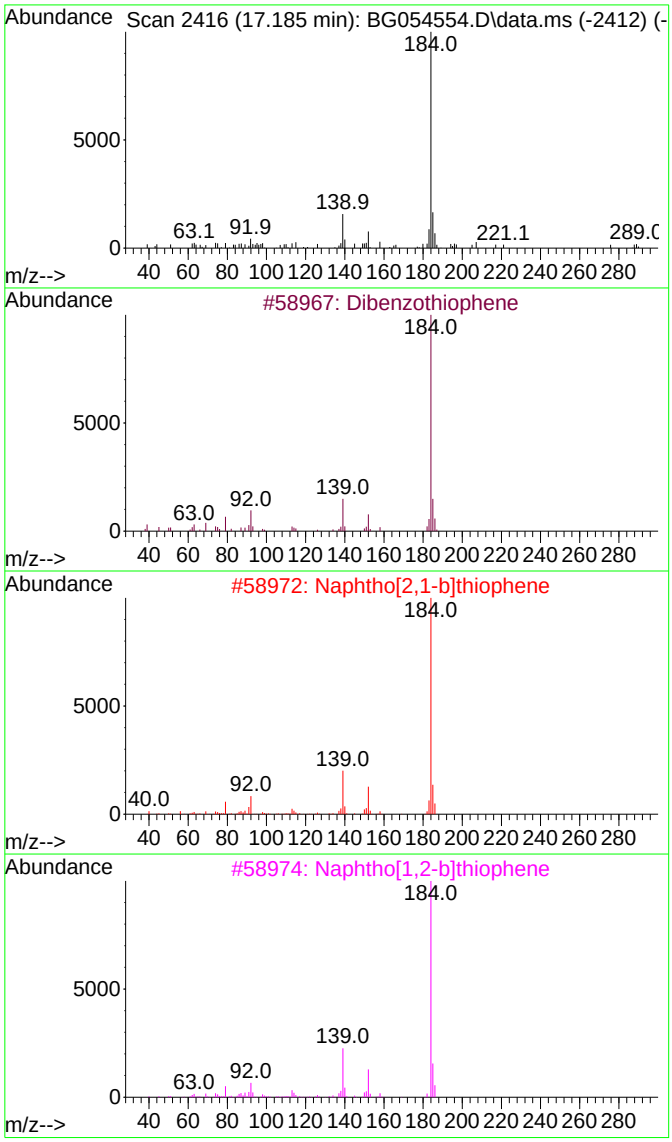
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

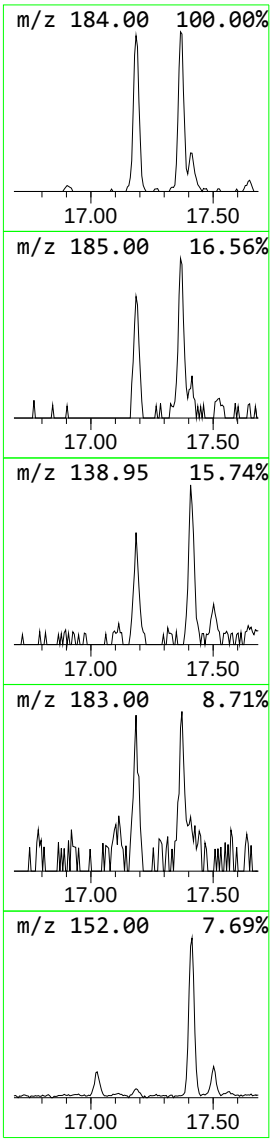
****

Peak Number 4 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.185	3.22 ng	47379	Phenanthrene-d10	17.367

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	93
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	90
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	87
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	87
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
Data File : BG054554.D
Acq On : 8 Aug 2022 15:26
Operator : CG/JU
Sample : N4023-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP2-1-6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

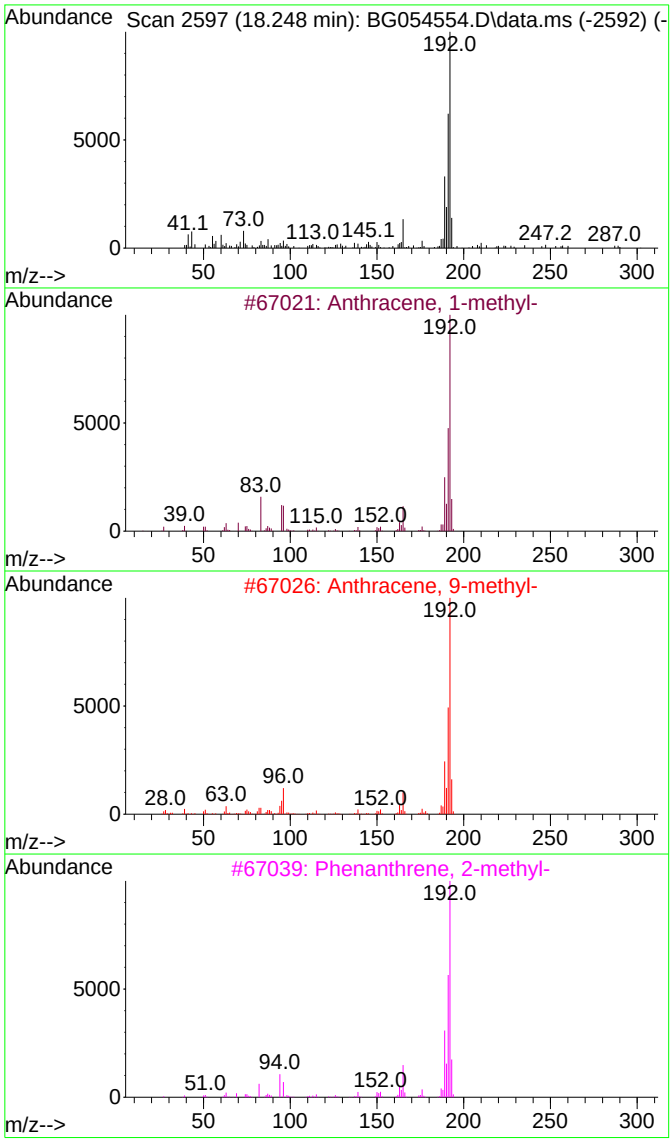
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

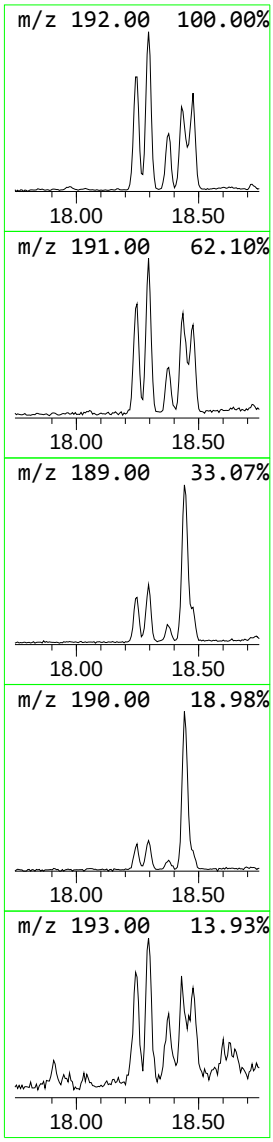
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.248	8.27 ng	121849	Phenanthrene-d10	17.367

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	83
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
Data File : BG054554.D
Acq On : 8 Aug 2022 15:26
Operator : CG/JU
Sample : N4023-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP2-1-6

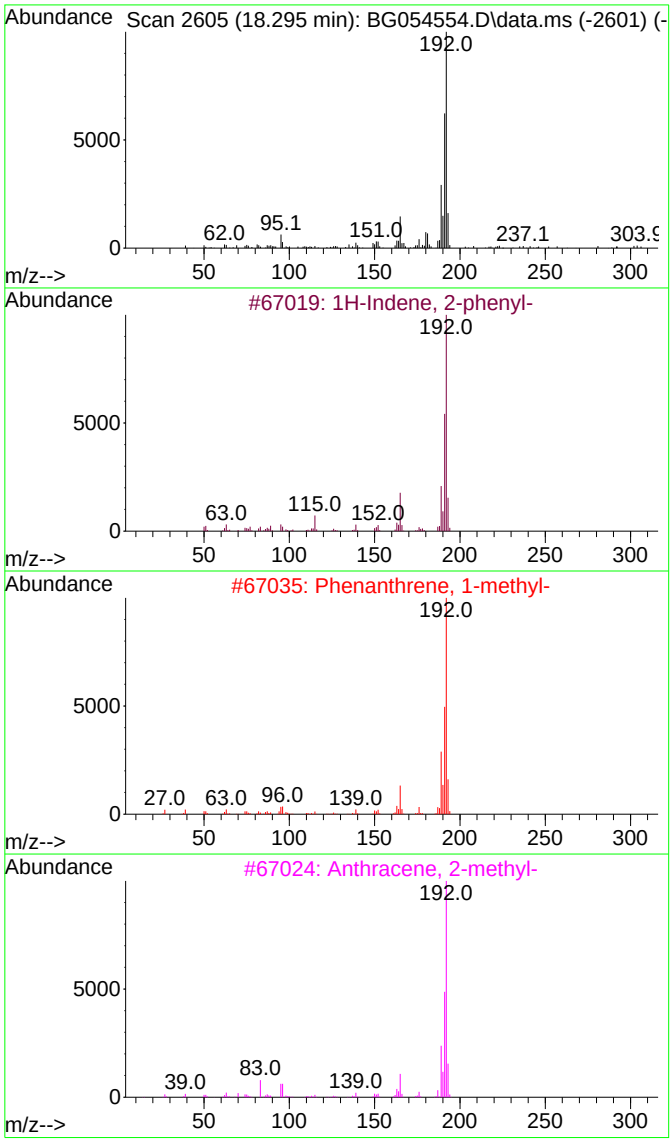
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

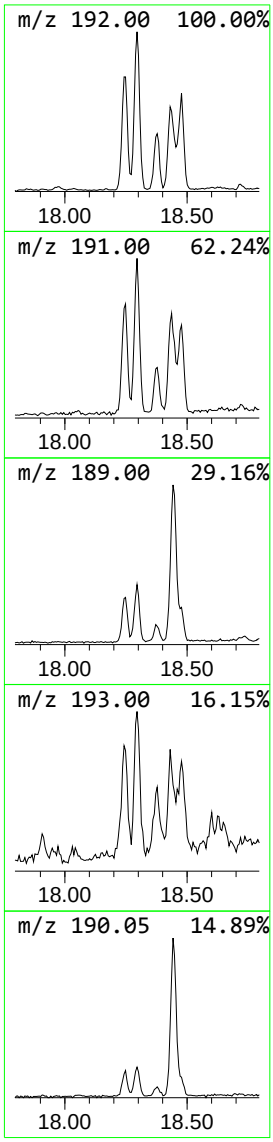
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1H-Indene, 2-phenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.295	8.96 ng	132024	Phenanthrene-d10	17.367

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
Data File : BG054554.D
Acq On : 8 Aug 2022 15:26
Operator : CG/JU
Sample : N4023-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP2-1-6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

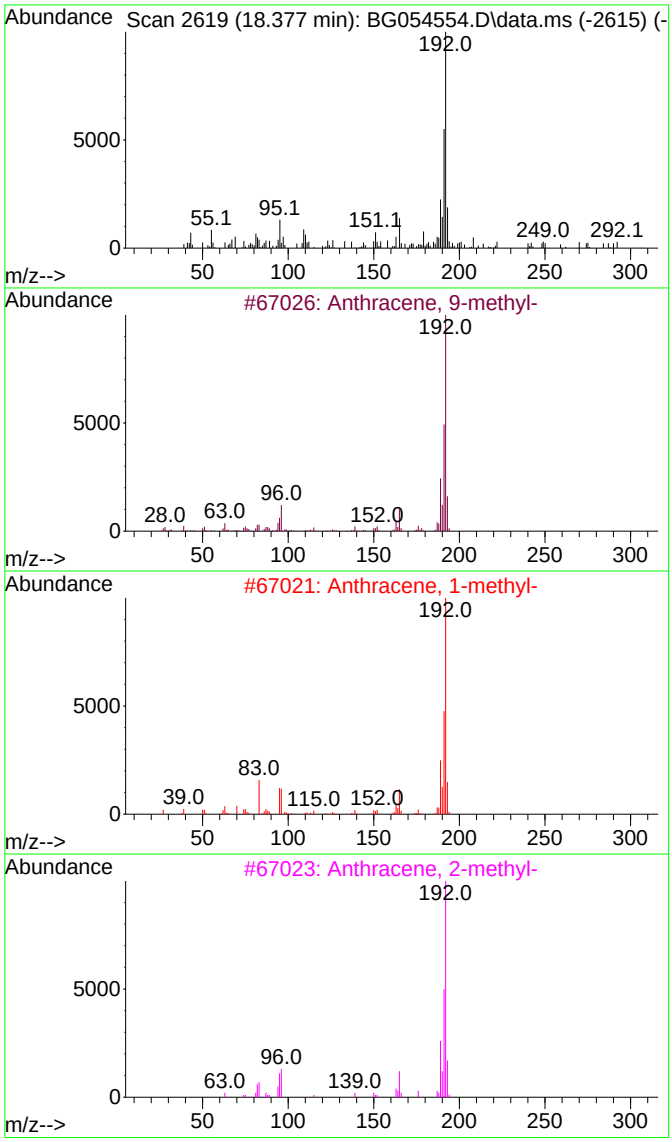
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

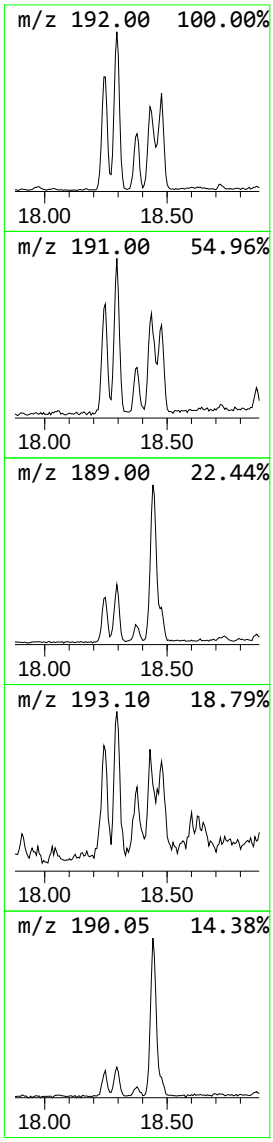
****

Peak Number 7 Anthracene, 9-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.377	3.30 ng	48685	Phenanthrene-d10	17.367

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
Data File : BG054554.D
Acq On : 8 Aug 2022 15:26
Operator : CG/JU
Sample : N4023-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP2-1-6

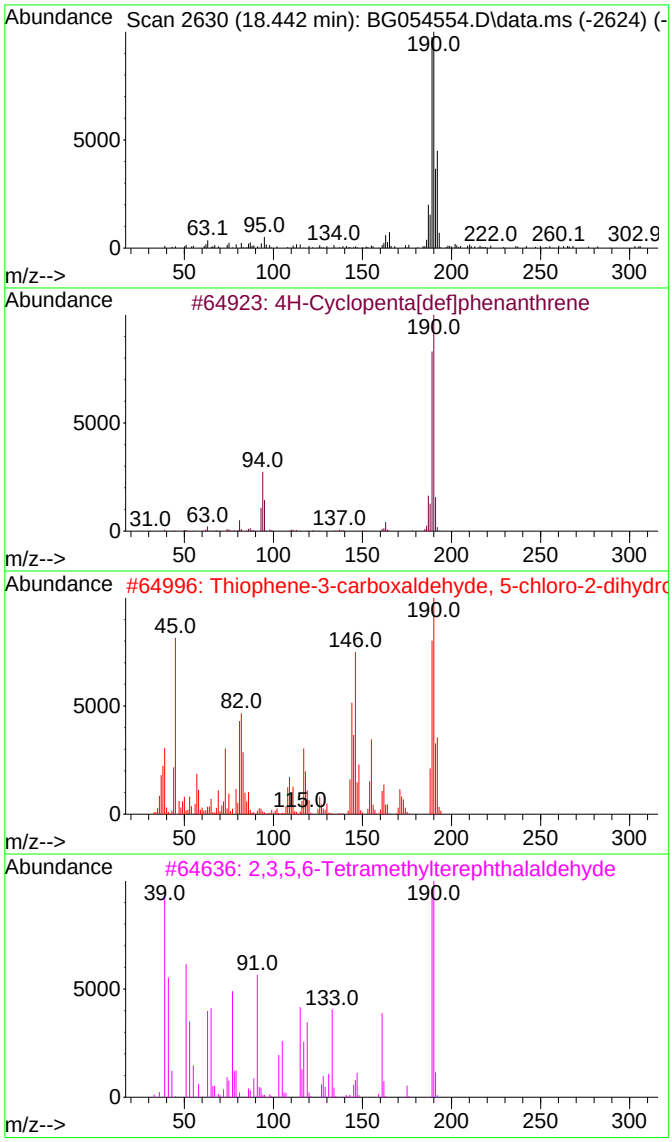
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

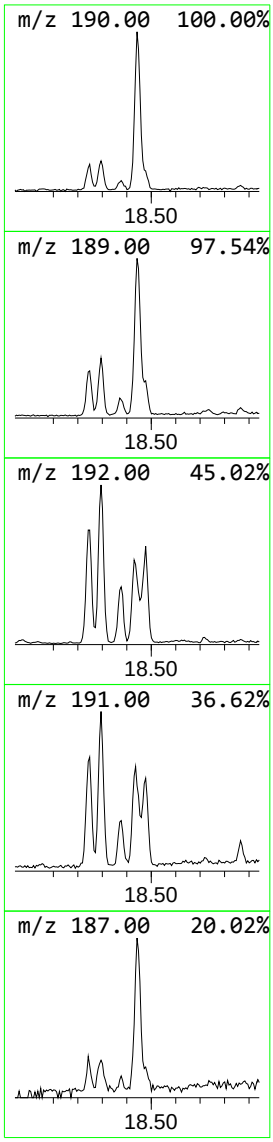
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.442	11.74 ng	172925	Phenanthrene-d10	17.367

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	47
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
Data File : BG054554.D
Acq On : 8 Aug 2022 15:26
Operator : CG/JU
Sample : N4023-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP2-1-6

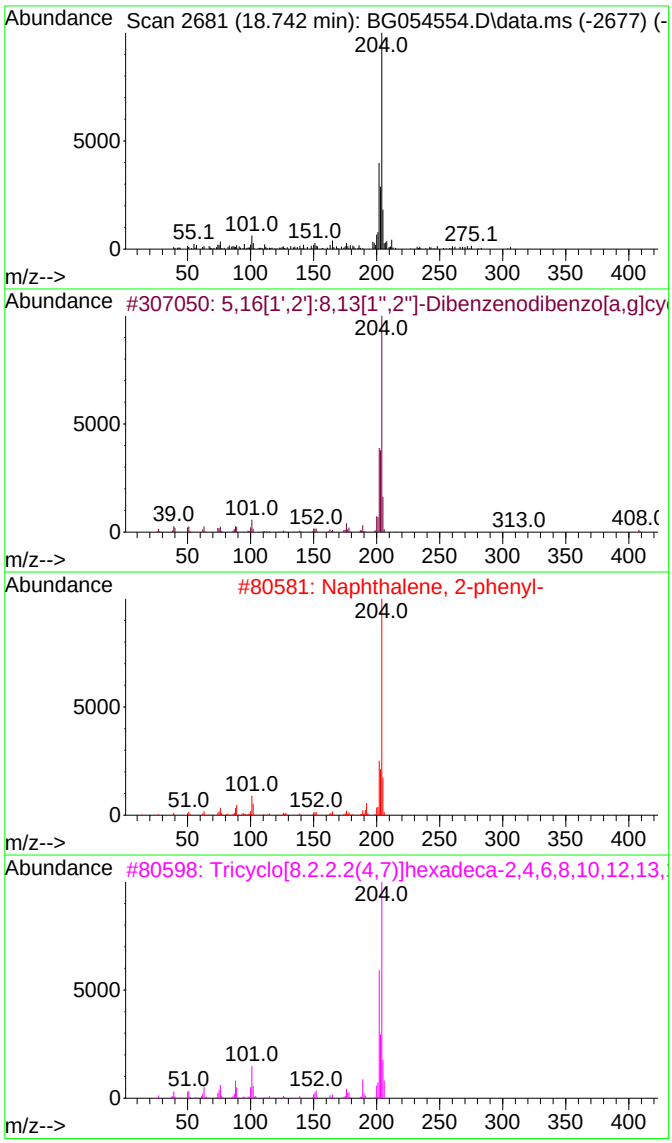
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

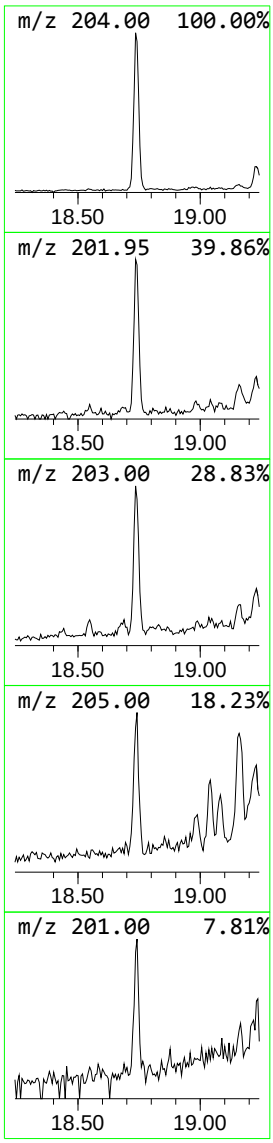
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.742	4.83 ng	71234	Phenanthrene-d10	17.367

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
4	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	56
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
Data File : BG054554.D
Acq On : 8 Aug 2022 15:26
Operator : CG/JU
Sample : N4023-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP2-1-6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

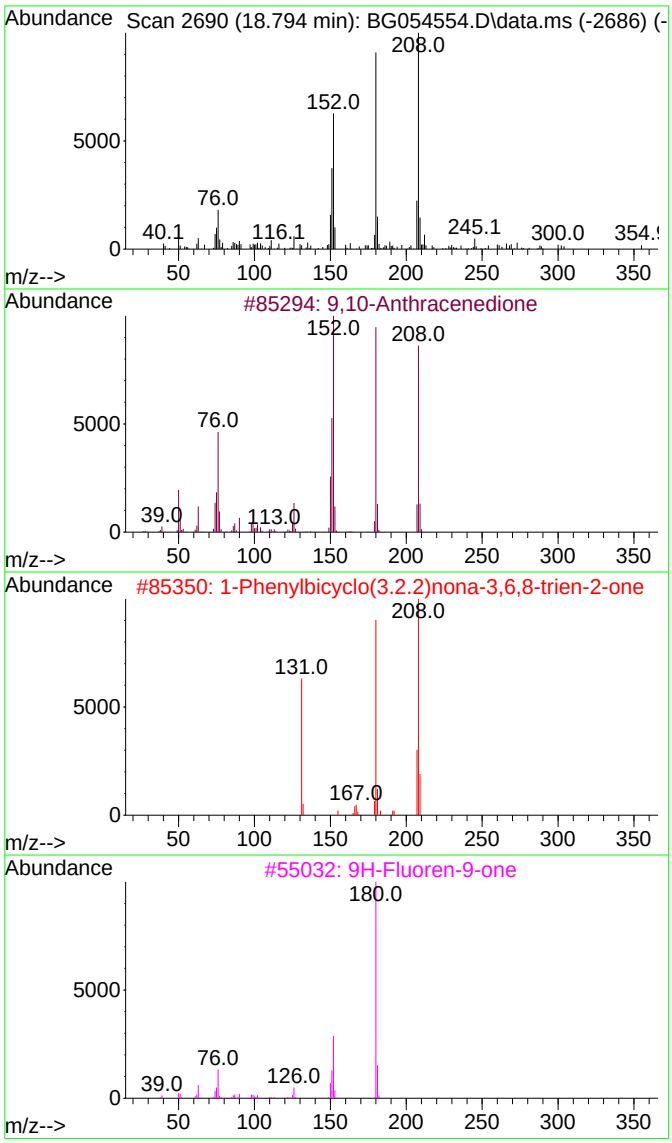
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

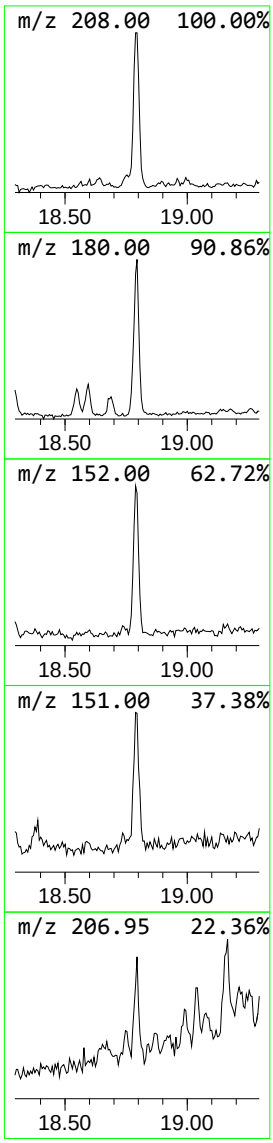
****

Peak Number 10 9,10-Anthracenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.794	5.91 ng	87039	Phenanthrene-d10	17.367

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	1-Phenylbicyclo(3.2.2)nona-3,6,8...	208	C15H12O	1010427-19-9	58
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	55
4	Naphthalene, 1,2,3,4-tetrahydro-...	208	C16H16	003018-20-0	53
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	49





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080822\
Data File : BG054554.D
Acq On : 8 Aug 2022 15:26
Operator : CG/JU
Sample : N4023-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP2-1-6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.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
Butane, 2-metho...	3.089	27.8	ng	152975	1	7.978	110024	20.0
9H-Fluoren-9-one	17.026	2.5	ng	36499	4	17.367	294715	20.0
unknown17.108	17.108	2.1	ng	31238	4	17.367	294715	20.0
Dibenzothiophene	17.185	3.2	ng	47379	4	17.367	294715	20.0
Anthracene, 1-m...	18.248	8.3	ng	121849	4	17.367	294715	20.0
1H-Indene, 2-ph...	18.295	9.0	ng	132024	4	17.367	294715	20.0
Anthracene, 9-m...	18.377	3.3	ng	48685	4	17.367	294715	20.0
4H-Cyclopenta[d...	18.442	11.7	ng	172925	4	17.367	294715	20.0
5,16[1',2']:8,1...	18.742	4.8	ng	71234	4	17.367	294715	20.0
9,10-Anthracene...	18.794	5.9	ng	87039	4	17.367	294715	20.0