LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
Data File : BG056690.D
Acq On : 21 Feb 2023 18:55
Operator : CG/JU
Sample : 01606-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : VNJ-210

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-BG021523.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG056690.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.467	321	328	338	rVB	123430	199536	19.53%	1.858%
2	5.942	402	409	417	rBV	306153	513510	50.26%	4.782%
3	7.564	677	685	694	rVB	327954	578146	56.59%	5.384%
4	8.440	826	834	841	rBV	80530	137623	13.47%	1.282%
5	9.609	1025	1033	1041	rBV	198500	353591	34.61%	3.293%
6	11.277	1308	1317	1323	rBV	105758	191986	18.79%	1.788%
7	13.669	1717	1724	1731	rVB	526308	817022	79.97%	7.608%
8	14.762	1901	1910	1919	rBV4	4911	11401	1.12%	0.106%
9	15.044	1951	1958	1964	rVV	162625	259772	25.43%	2.419%
10	15.102	1964	1968	1974	rVB	18883	28647	2.80%	0.267%
11	15.431	2020	2024	2031	rVB2	8720	13952	1.37%	0.130%
12	16.078	2127	2134	2141	rBV2	18931	31779	3.11%	0.296%
13	16.377	2178	2185	2192	rVB	159066	240252	23.52%	2.237%
14	16.518	2201	2209	2217	rBV	395851	618805	60.57%	5.762%
15	16.935	2276	2280	2285	rBV3	11918	18015	1.76%	0.168%
16	17.294	2336	2341	2346	rBV6	6811	11335	1.11%	0.106%
17	17.417	2357	2362	2369	rVB2	21388	38479	3.77%	0.358%
18	17.500	2371	2376	2378	rBV6	9547	14407	1.41%	0.134%
19	17.594	2388	2392	2395	rBV	17130	23373	2.29%	0.218%
20	17.776	2417	2423	2427	rBV	188116	305000	29.85%	2.840%
21	17.823	2427	2431	2437	rVV	313941	464881	45.50%	4.329%
22	17.911	2441	2446	2451	rVV	55568	86447	8.46%	0.805%
23	17.958	2451	2454	2459	rVB3	10852	15722	1.54%	0.146%
24	18.169	2484	2490	2494	rBV	31159	53191	5.21%	0.495%
25	18.287	2506	2510	2514	rBV4	11714	15795	1.55%	0.147%
26	18.351	2517	2521	2526	rBV5	13418	20779	2.03%	0.193%
27	18.492	2541	2545	2551	rBV7	9427	19401	1.90%	0.181%
28	18.616	2562	2566	2569	rBV2	67629	103806	10.16%	0.967%
29	18.686	2574	2578	2583	rVB	60695	94012	9.20%	0.875%
30	18.769	2589	2592	2596	rVB	18860	24230	2.37%	0.226%
31	18.839	2598	2604	2607	rBV3	70304	137028	13.41%	1.276%
32	18.968	2624	2626	2630	rBV5	9546	10485	1.03%	0.098%
33	19.027	2634	2636	2640	rVV5	10051	13324	1.30%	0.124%
34	19.127	2648	2653	2656	rBV	38973	60907	5.96%	0.567%
35	19.168	2656	2660	2666	rVB	55860	85405	8.36%	0.795%
36	19.679	2744	2747	2753	rBV2	31333	47225	4.62%	0.440%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
Data File : BG056690.D
Acq On : 21 Feb 2023 18:55
Operator : CG/JU
Sample : 01606-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-210

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-BG021523.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	19.809	2763	2769	2773	rVB	720065	1021679	100.00%	9.514%
38	20.132	2819	2824	2826	rBV2	97455	167062	16.35%	1.556%
39	20.167	2826	2830	2835	rVB	588886	801490	78.45%	7.464%
40	20.343	2855	2860	2865	rVB	744314	940214	92.03%	8.755%
41	20.643	2908	2911	2916	rVB	82381	117545	11.51%	1.095%
42	21.436	3044	3046	3053	rVB	58633	89989	8.81%	0.838%
43	22.077	3149	3155	3163	rBV2	329666	882477	86.38%	8.218%
44	22.147	3163	3167	3181	rVB	274737	539783	52.83%	5.027%
45	24.521	3564	3571	3578	rBV	164504	519194	50.82%	4.835%

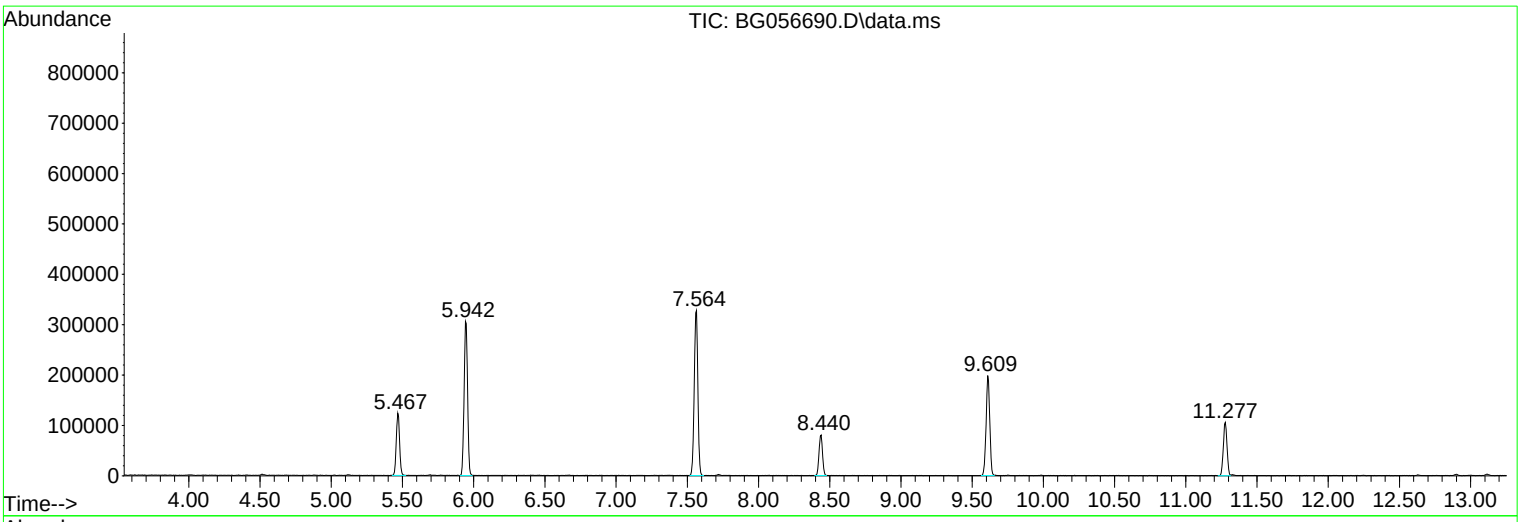
Sum of corrected areas: 10738702

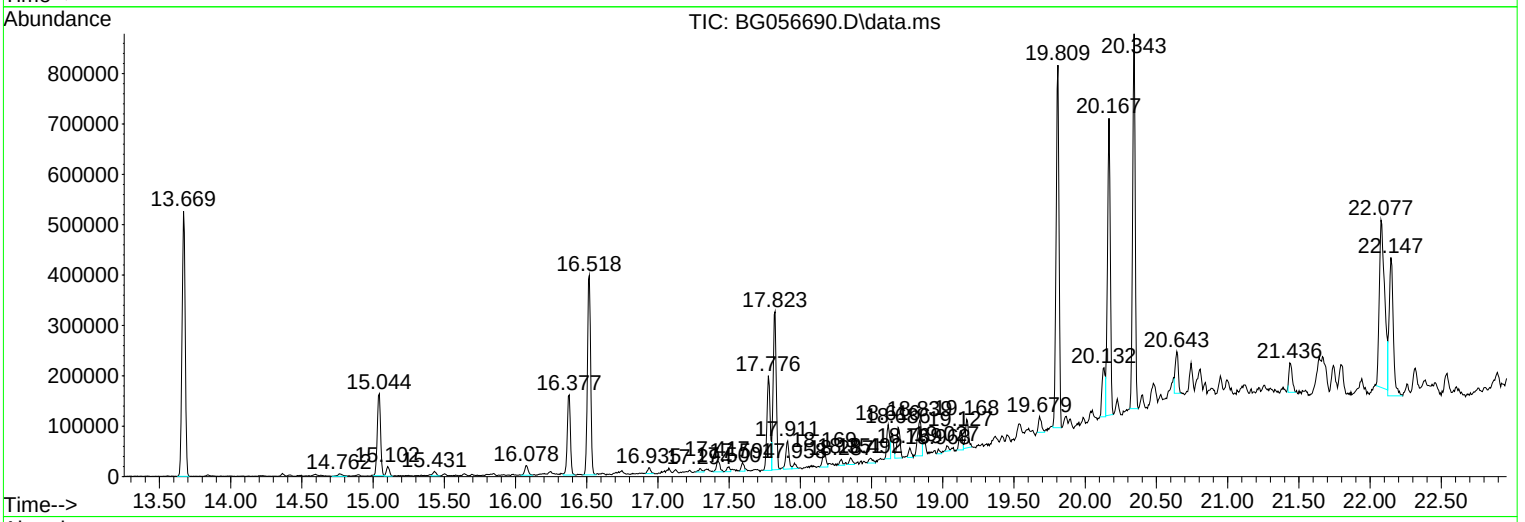
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
Data File : BG056690.D
Acq On : 21 Feb 2023 18:55
Operator : CG/JU
Sample : 01606-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

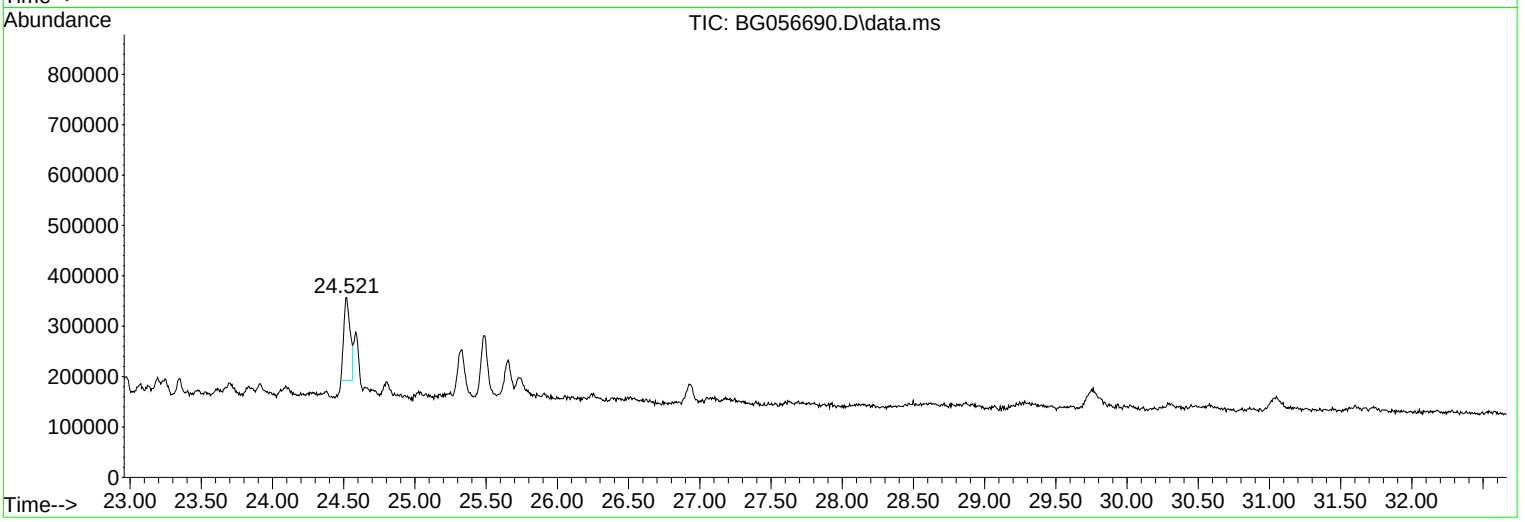
Instrument :
BNA_G
ClientSampleId :
VNJ-210

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.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\BG022123\
Data File : BG056690.D
Acq On : 21 Feb 2023 18:55
Operator : CG/JU
Sample : 01606-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-210

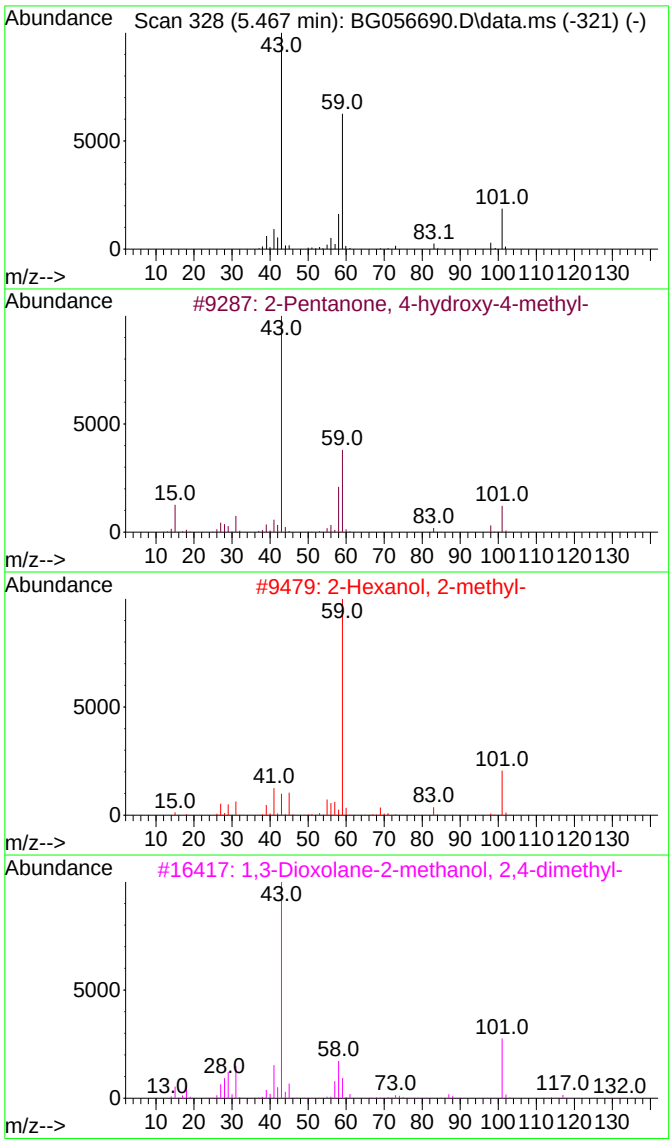
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

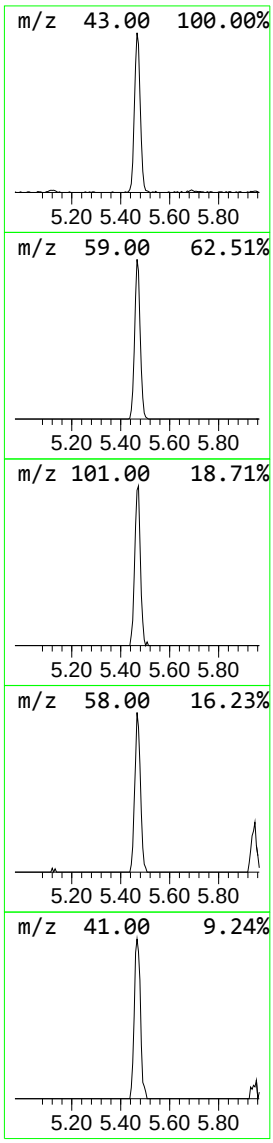
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.467	29.00 ng	199536	1,4-Dichlorobenzene-d4	8.440

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
3	1,3-Dioxolane-2-methanol, 2,4-di...	132	C6H12O3	053951-43-2	25
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\BG022123\
Data File : BG056690.D
Acq On : 21 Feb 2023 18:55
Operator : CG/JU
Sample : 01606-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-210

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

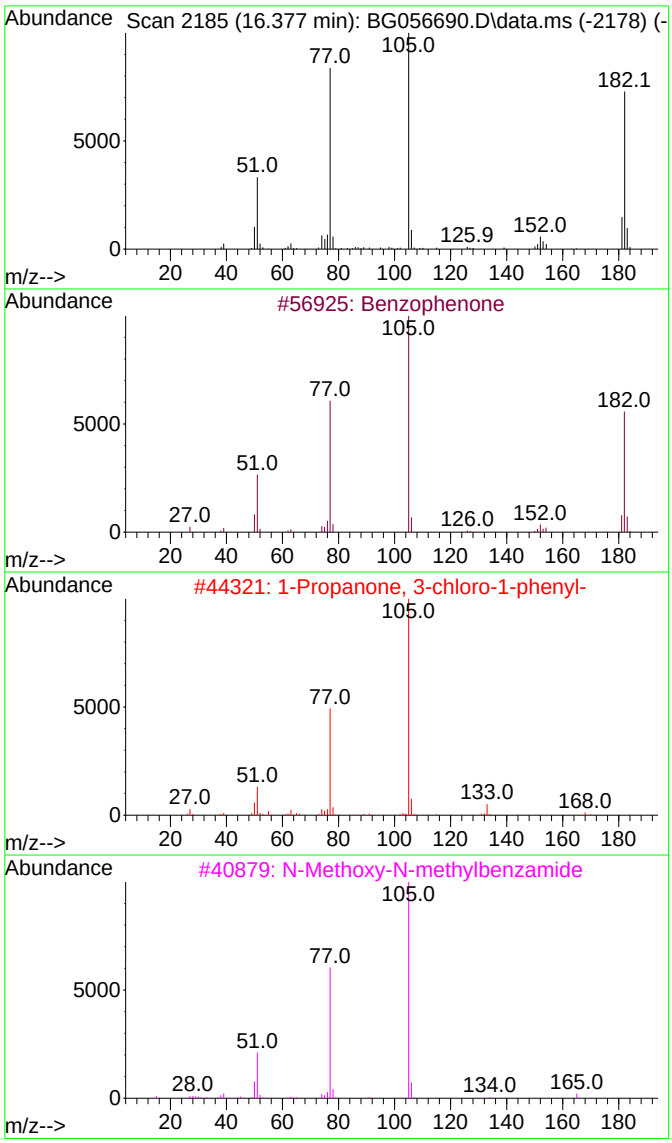
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

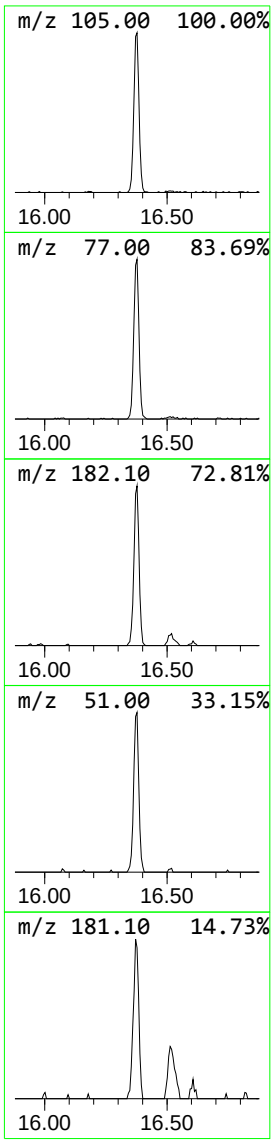
****

Peak Number 4 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.377	18.50 ng	240252	Acenaphthene-d10	15.044

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	50
3	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	50
4	2-Phenyl-4-ethylidene-2-oxazolin...	187	C11H9NO2	037791-41-6	50
5	1,2,4-Triazine-3,5(2H,4H)-dione,...	249	C10H7N3O3S	024168-34-1	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
Data File : BG056690.D
Acq On : 21 Feb 2023 18:55
Operator : CG/JU
Sample : 01606-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-210

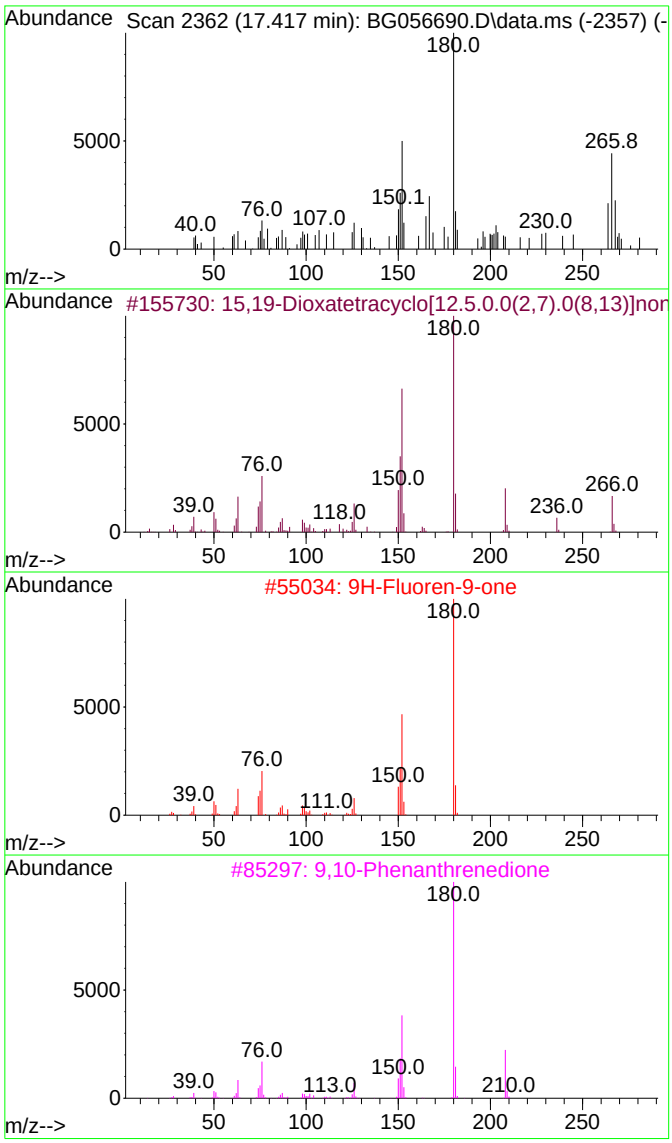
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

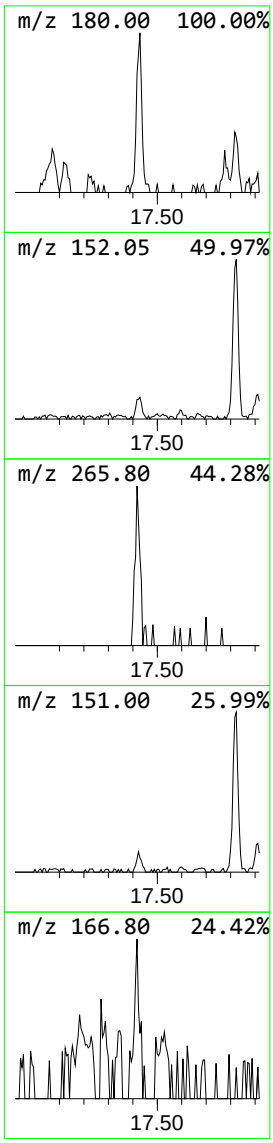
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 15,19-Dioxatetracyclo[12.5.... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.417	2.52 ng	38479	Phenanthrene-d10	17.776

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	15,19-Dioxatetracyclo[12.5.0.0(2...	266	C17H14O3	1000436-55-0	58
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	55
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	49
4	N-(3-Amino-4-ethoxyphenyl)acetam...	266	C13H22N2O2Si	1000488-43-3	46
5	6H-Purine-6-thione, 9-ethyl-1,9-...	180	C7H8N4S	005427-20-3	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
Data File : BG056690.D
Acq On : 21 Feb 2023 18:55
Operator : CG/JU
Sample : 01606-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-210

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

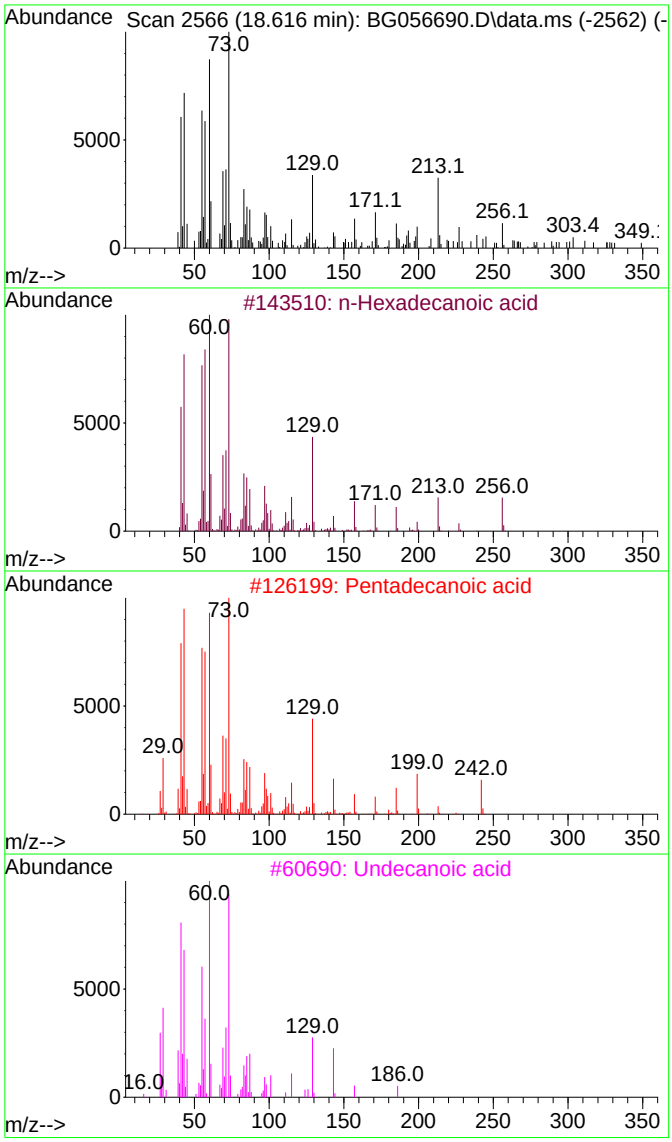
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

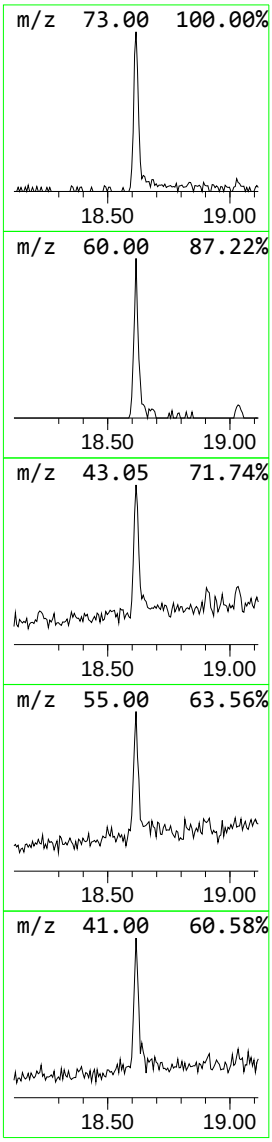
****

Peak Number 6 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.616	6.81 ng	103806	Phenanthrene-d10	17.776

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
3	Undecanoic acid	186	C11H22O2	000112-37-8	76
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	74
5	Tridecanoic acid	214	C13H26O2	000638-53-9	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
Data File : BG056690.D
Acq On : 21 Feb 2023 18:55
Operator : CG/JU
Sample : 01606-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-210

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

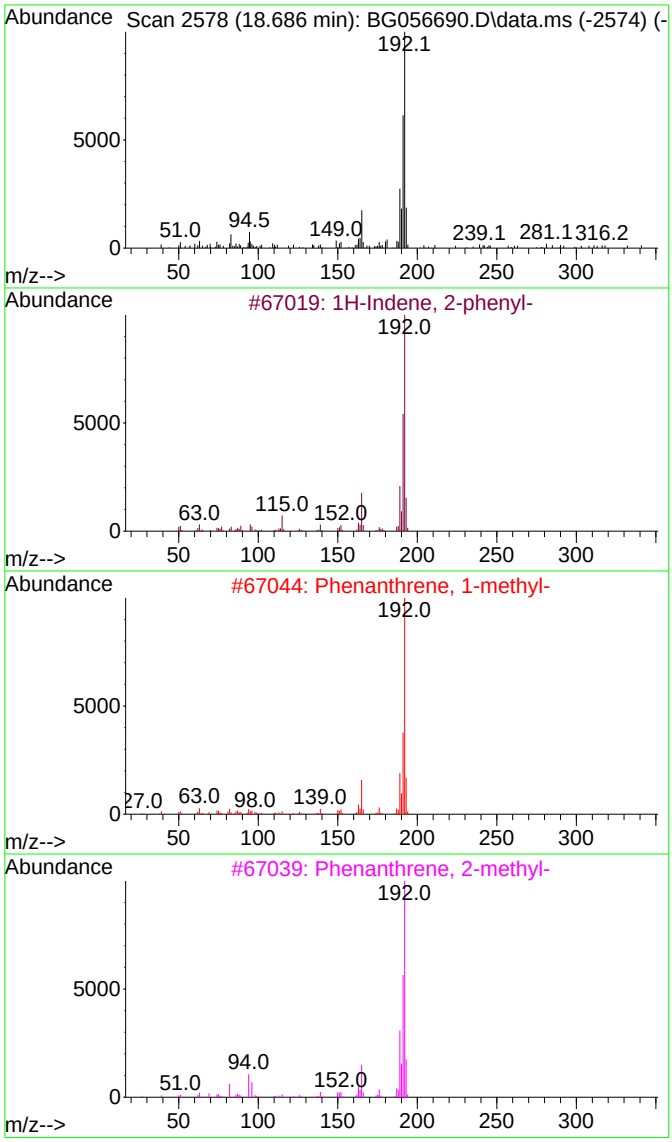
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

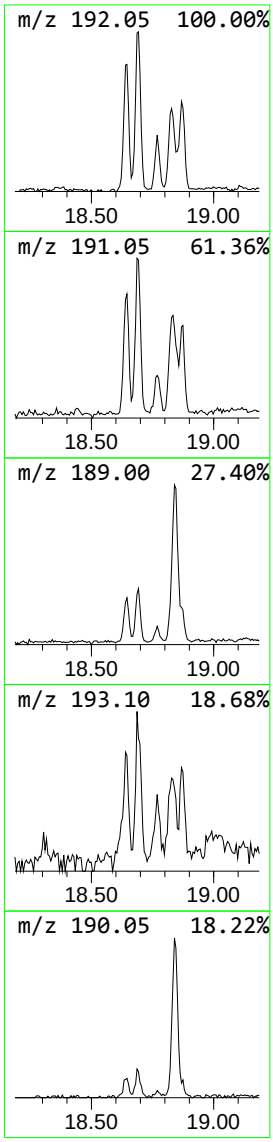
****

Peak Number 7 1H-Indene, 2-phenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.686	6.16 ng	94012	Phenanthrene-d10	17.776

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	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
Data File : BG056690.D
Acq On : 21 Feb 2023 18:55
Operator : CG/JU
Sample : 01606-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-210

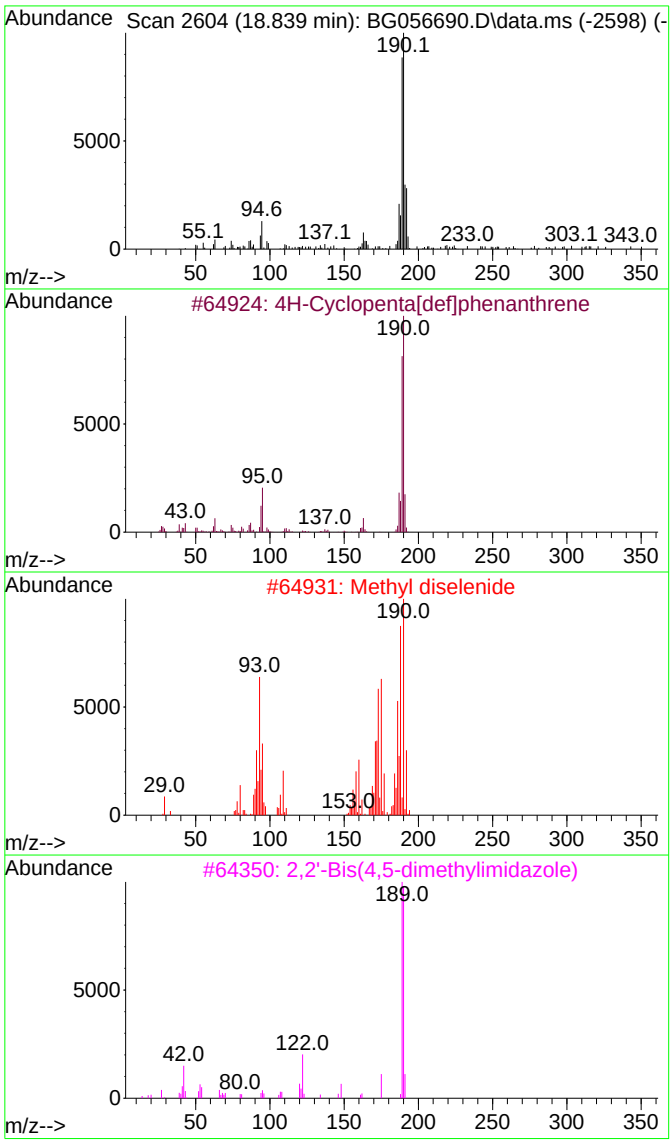
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

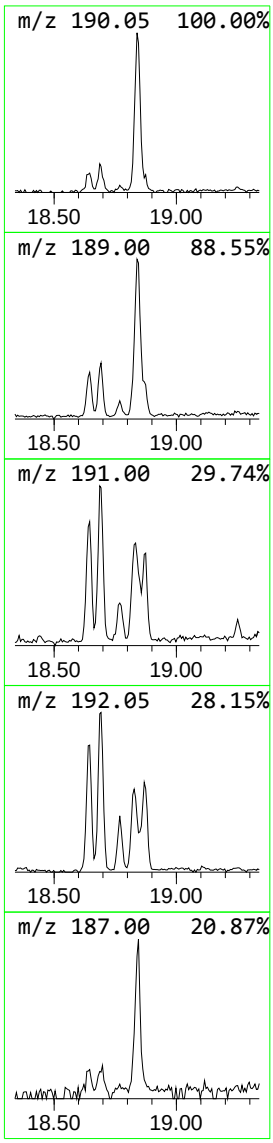
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.839	8.99 ng	137028	Phenanthrene-d10	17.776

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	Methyl diselenide	190	C2H6Se2	007101-31-7	43
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
4	2,4(1H,3H)-Pyrimidinedione, 5-br...	190	C4H3BrN2O2	000051-20-7	35
5	2-[(9-Cyanofluoren-9-yl)(phenyl)...	343	C24H13N3	1010387-80-3	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
Data File : BG056690.D
Acq On : 21 Feb 2023 18:55
Operator : CG/JU
Sample : 01606-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-210

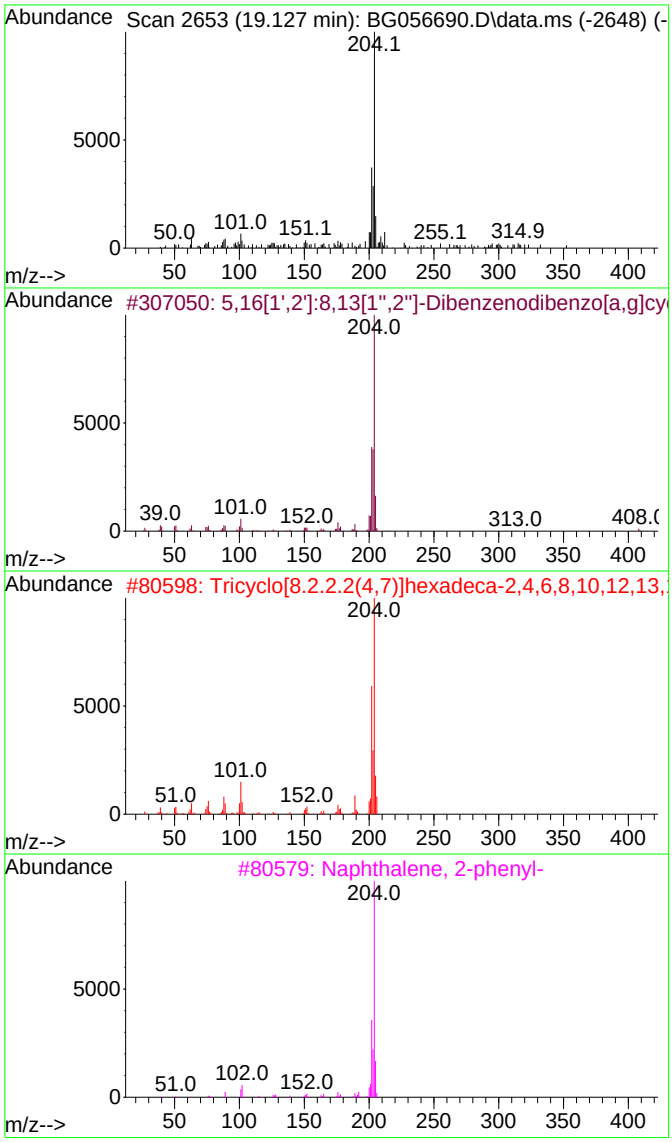
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

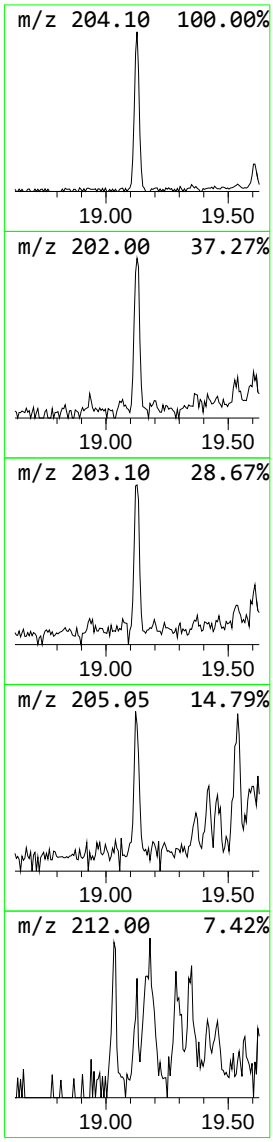
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.127	3.99 ng	60907	Phenanthrene-d10	17.776

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	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	62
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
Data File : BG056690.D
Acq On : 21 Feb 2023 18:55
Operator : CG/JU
Sample : 01606-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-210

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

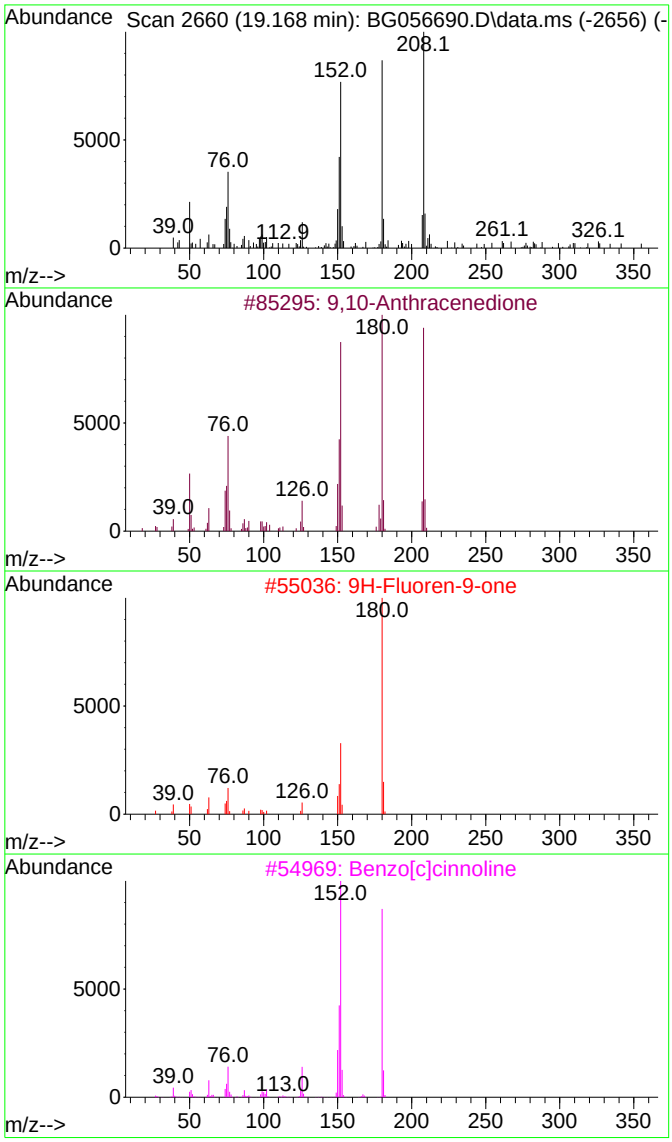
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

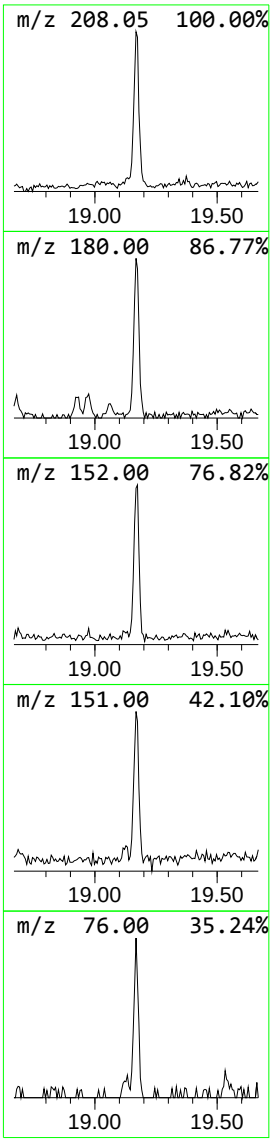
****

Peak Number 10 9,10-Anthracenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.168	5.60 ng	85405	Phenanthrene-d10	17.776

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	64
5	2-(Dicyanomethylene)indene-1,3-d...	208	C12H4N2O2	016954-74-8	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
Data File : BG056690.D
Acq On : 21 Feb 2023 18:55
Operator : CG/JU
Sample : 01606-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-210

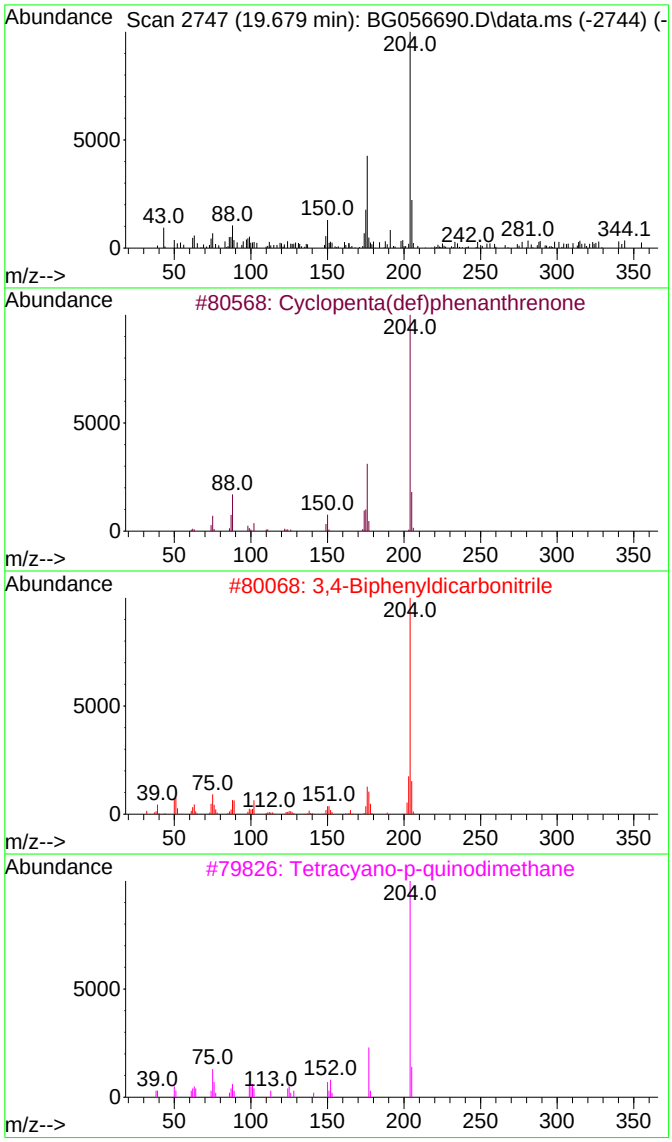
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

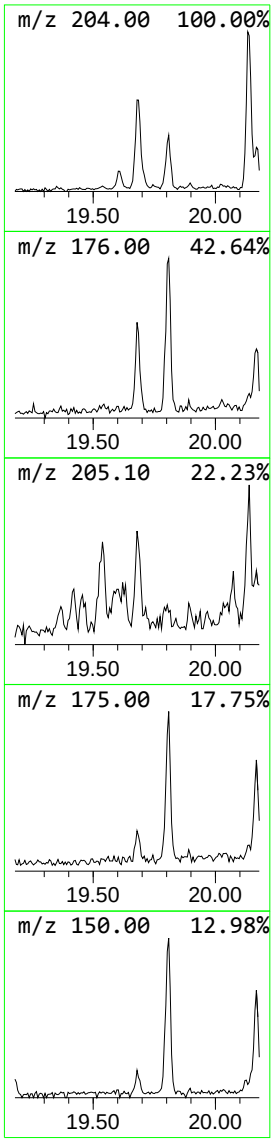
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.679	3.10 ng	47225	Phenanthrene-d10	17.776

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	80
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
3	Tetracyano-p-quinodimethane	204	C12H4N4	001518-16-7	47
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	47
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
Data File : BG056690.D
Acq On : 21 Feb 2023 18:55
Operator : CG/JU
Sample : 01606-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-210

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

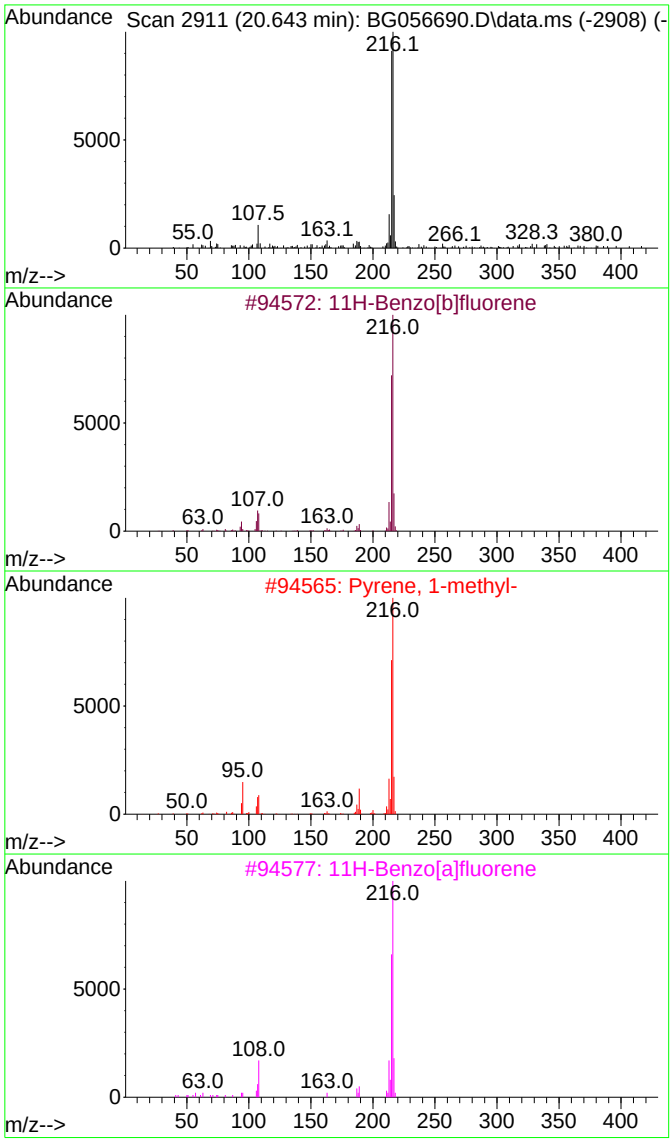
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

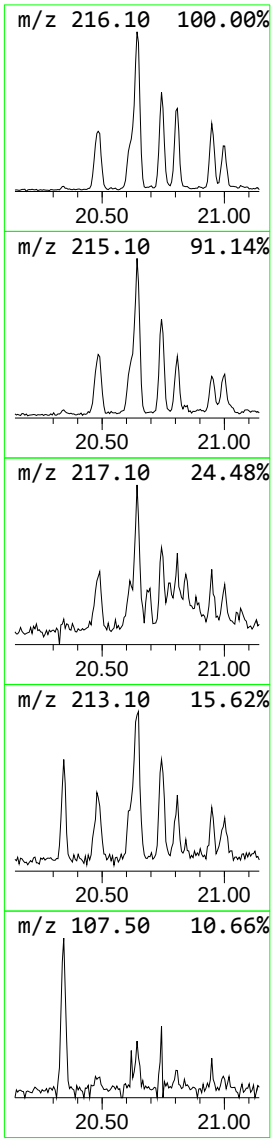
****

Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.643	2.66 ng	117545	Chrysene-d12	22.100

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
Data File : BG056690.D
Acq On : 21 Feb 2023 18:55
Operator : CG/JU
Sample : 01606-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-210

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

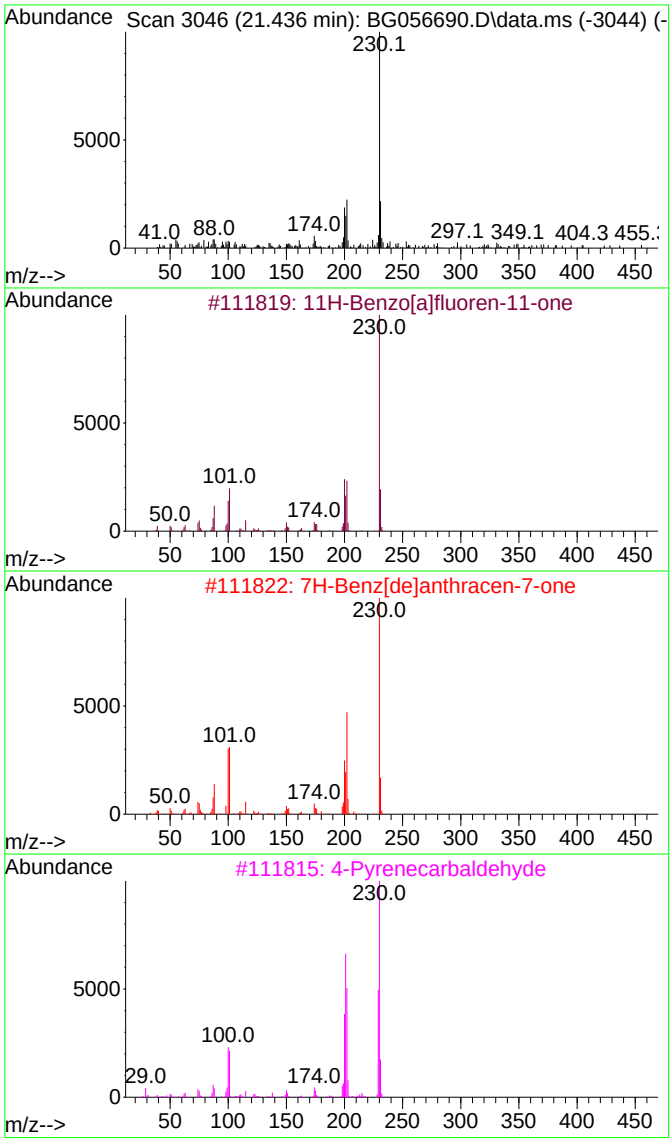
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

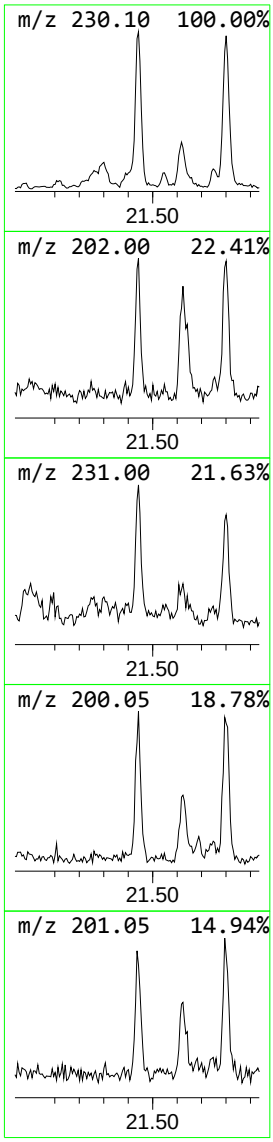
****

Peak Number 13 11H-Benzo[a]fluoren-11-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.436	2.04 ng	89989	Chrysene-d12	22.100

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	83
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	72
3	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	72
4	8-Chlorobenzo[h][1,6]-naphthyrid...	230	C12H7ClN2O	025100-26-9	72
5	o-Terphenyl	230	C18H14	000084-15-1	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022123\
Data File : BG056690.D
Acq On : 21 Feb 2023 18:55
Operator : CG/JU
Sample : 01606-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
VNJ-210

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.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-...	5.467	29.0	ng	199536	1	8.440	137623	20.0
Benzophenone	16.377	18.5	ng	240252	3	15.044	259772	20.0
15,19-Dioxatetr...	17.417	2.5	ng	38479	4	17.776	305000	20.0
n-Hexadecanoic ...	18.616	6.8	ng	103806	4	17.776	305000	20.0
1H-Indene, 2-ph...	18.686	6.2	ng	94012	4	17.776	305000	20.0
4H-Cyclopenta[d...	18.839	9.0	ng	137028	4	17.776	305000	20.0
5,16[1',2']:8,1...	19.127	4.0	ng	60907	4	17.776	305000	20.0
9,10-Anthracene...	19.168	5.6	ng	85405	4	17.776	305000	20.0
Cyclopenta(def)...	19.679	3.1	ng	47225	4	17.776	305000	20.0
11H-Benzo[b]flu...	20.643	2.7	ng	117545	5	22.100	882477	20.0
11H-Benzo[a]flu...	21.436	2.0	ng	89989	5	22.100	882477	20.0