LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081621\
Data File : BG049866.D
Acq On : 17 Aug 2021 1:58
Operator : CG/JU
Sample : M3408-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 32S

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-BG080321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG049866.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.137	12	17	22	rBV	113820	174372	7.85%	0.760%
2	5.105	346	352	359	rVB2	41744	67228	3.03%	0.293%
3	5.587	427	434	441	rBV	347791	579599	26.10%	2.526%
4	7.196	701	708	719	rBV	365606	652635	29.39%	2.845%
5	8.031	843	850	857	rVB	118788	211393	9.52%	0.921%
6	9.200	1041	1049	1060	rBV	233907	433822	19.54%	1.891%
7	10.609	1284	1289	1301	rBV2	33893	67478	3.04%	0.294%
8	10.850	1322	1330	1336	rBV	160128	289650	13.04%	1.263%
9	13.300	1739	1747	1755	rBV	589860	939567	42.31%	4.095%
10	13.999	1859	1866	1872	rBV3	21224	42204	1.90%	0.184%
11	14.686	1972	1983	1988	rBV	245861	416809	18.77%	1.817%
12	14.745	1988	1993	2000	rVB	92642	154288	6.95%	0.673%
13	14.992	2032	2035	2040	rVB2	17540	23121	1.04%	0.101%
14	15.080	2044	2050	2058	rVB	58669	94679	4.26%	0.413%
15	15.297	2083	2087	2092	rBV4	15613	26220	1.18%	0.114%
16	15.468	2109	2116	2119	rBV7	17769	37745	1.70%	0.165%
17	15.732	2154	2161	2168	rBV3	81064	145015	6.53%	0.632%
18	15.896	2185	2189	2193	rVB3	22343	30367	1.37%	0.132%
19	16.026	2207	2211	2219	rVB2	39914	70438	3.17%	0.307%
20	16.178	2230	2237	2244	rVB	506979	821388	36.99%	3.580%
21	16.402	2273	2275	2280	rVB5	19360	27740	1.25%	0.121%
22	16.543	2295	2299	2303	rBV5	13467	22567	1.02%	0.098%
23	16.701	2321	2326	2328	rBV6	19716	34382	1.55%	0.150%
24	16.736	2330	2332	2337	rVB4	24951	37035	1.67%	0.161%
25	17.089	2387	2392	2400	rVB	62537	101753	4.58%	0.444%
26	17.177	2401	2407	2412	rVV7	51578	106211	4.78%	0.463%
27	17.253	2415	2420	2430	rVB	65150	127610	5.75%	0.556%
28	17.435	2446	2451	2455	rBV	255598	453921	20.44%	1.979%
29	17.482	2455	2459	2466	rVV	1093482	1600399	72.07%	6.976%
30	17.571	2468	2474	2479	rVB	246439	371112	16.71%	1.618%
31	17.841	2517	2520	2524	rVB	38531	48374	2.18%	0.211%
32	17.952	2536	2539	2544	rVB2	38029	47567	2.14%	0.207%
33	18.317	2597	2601	2605	rVB	116163	153610	6.92%	0.670%
34	18.364	2605	2609	2615	rVB2	184763	271070	12.21%	1.182%
35	18.446	2618	2623	2627	rVB	82227	124849	5.62%	0.544%
36	18.510	2628	2634	2638	rBV3	181902	370997	16.71%	1.617%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081621\
Data File : BG049866.D
Acq On : 17 Aug 2021 1:58
Operator : CG/JU
Sample : M3408-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 32S

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-BG080321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.810	2681	2685	2689	rBV	129184	190393	8.57%	0.830%
38	18.857	2689	2693	2697	rVB2	108618	142765	6.43%	0.622%
39	19.051	2724	2726	2731	rVB3	54849	72366	3.26%	0.315%
40	19.227	2753	2756	2761	rBV	66000	105642	4.76%	0.460%
41	19.374	2777	2781	2789	rVB2	93247	161589	7.28%	0.704%
42	19.497	2796	2802	2807	rVB	1404162	2007717	90.41%	8.751%
43	19.826	2853	2858	2859	rBV	245880	322063	14.50%	1.404%
44	19.862	2859	2864	2870	rVV	1501778	2220616	100.00%	9.679%
45	19.926	2871	2875	2881	rVB2	110097	185363	8.35%	0.808%
46	20.050	2890	2896	2900	rBV	921797	1220039	54.94%	5.318%
47	20.173	2914	2917	2918	rBV3	74749	84213	3.79%	0.367%
48	20.649	2994	2998	3001	rBV	237997	328603	14.80%	1.432%
49	20.690	3003	3005	3016	rVB	194222	291556	13.13%	1.271%
50	21.712	3173	3179	3186	rBV2	696183	1665226	74.99%	7.258%
51	21.777	3186	3190	3202	rVB	655819	1188138	53.50%	5.179%
52	23.980	3558	3565	3572	rBV2	385113	1166524	52.53%	5.085%
53	24.720	3685	3691	3703	rVB	365063	1089710	49.07%	4.750%
54	24.872	3709	3717	3728	rVB	451812	1322568	59.56%	5.765%

Sum of corrected areas: 22942306

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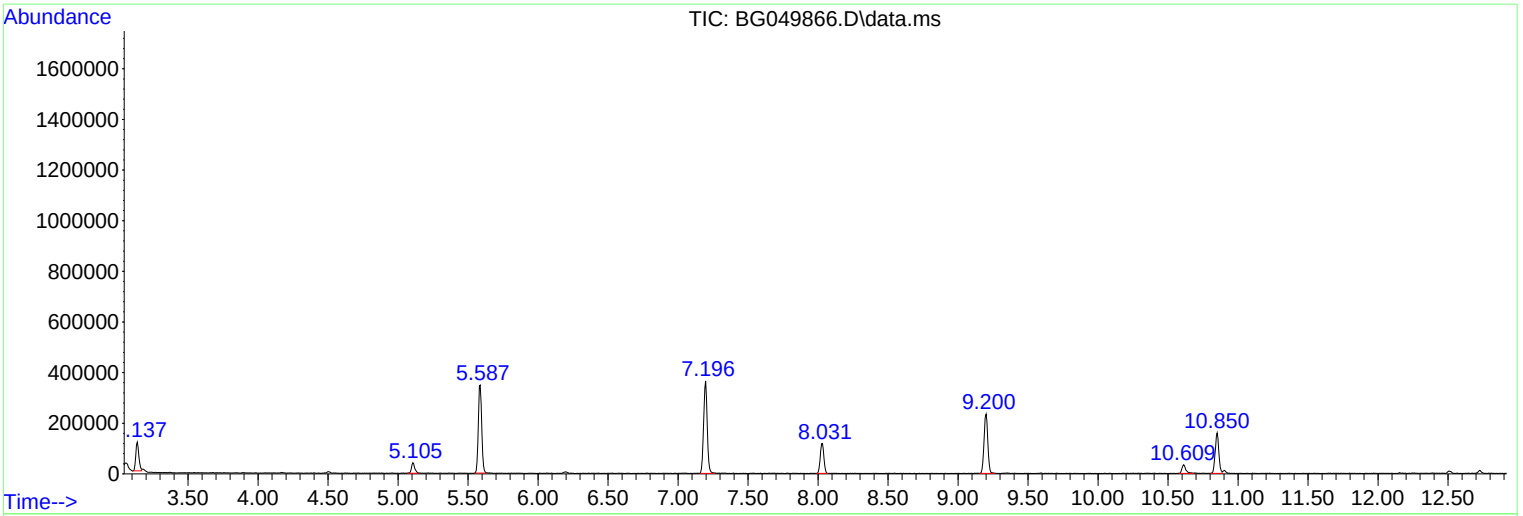
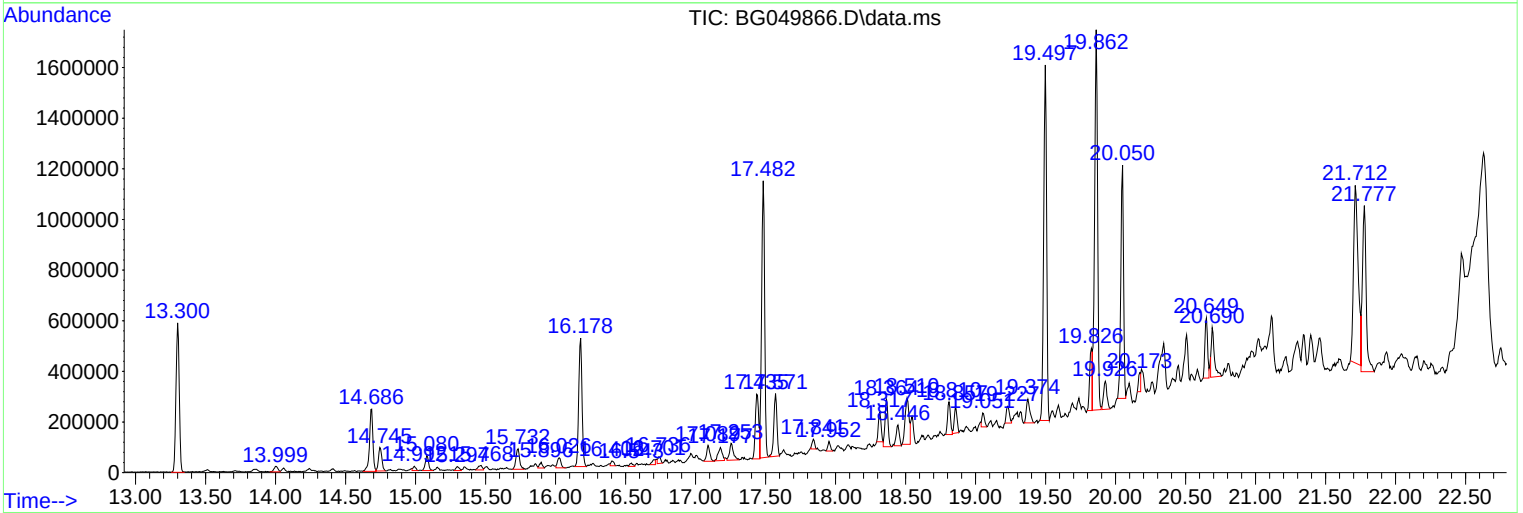
Sample : M3408-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

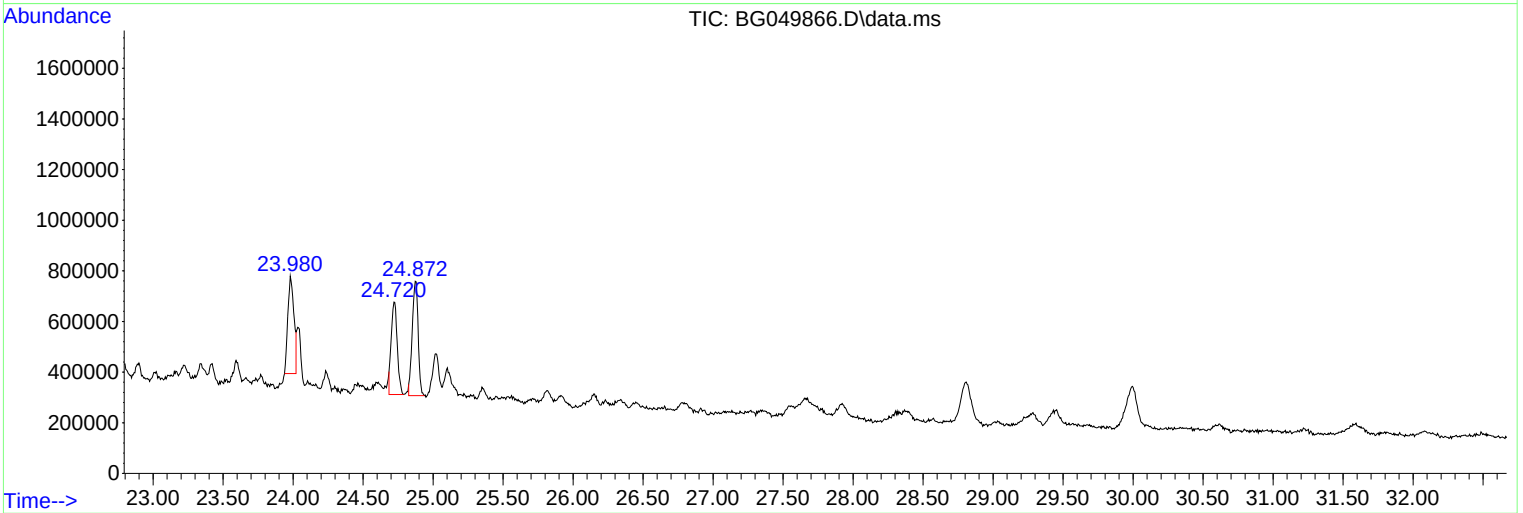
Instrument :
BNA_G
ClientSampleId :
32S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.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\BG081621\
Data File : BG049866.D
Acq On : 17 Aug 2021 1:58
Operator : CG/JU
Sample : M3408-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 32S

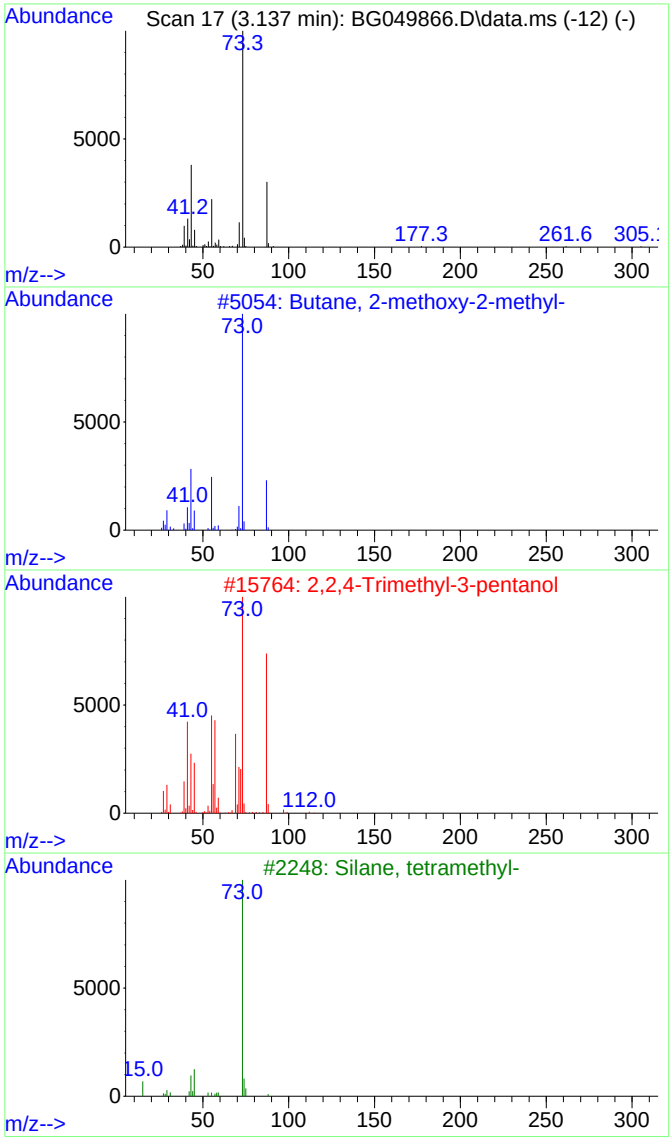
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

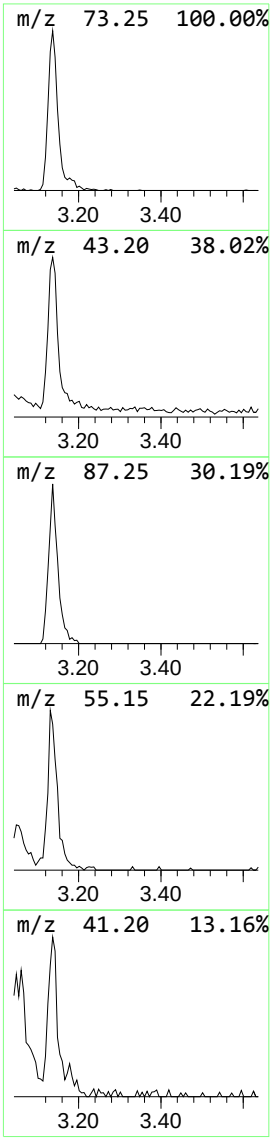
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.137	16.50 ng	174372	1,4-Dichlorobenzene-d4	8.025

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	56
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
4	1-Propene-1-thiol	74	C3H6S	000925-89-3	9
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081621\
Data File : BG049866.D
Acq On : 17 Aug 2021 1:58
Operator : CG/JU
Sample : M3408-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 32S

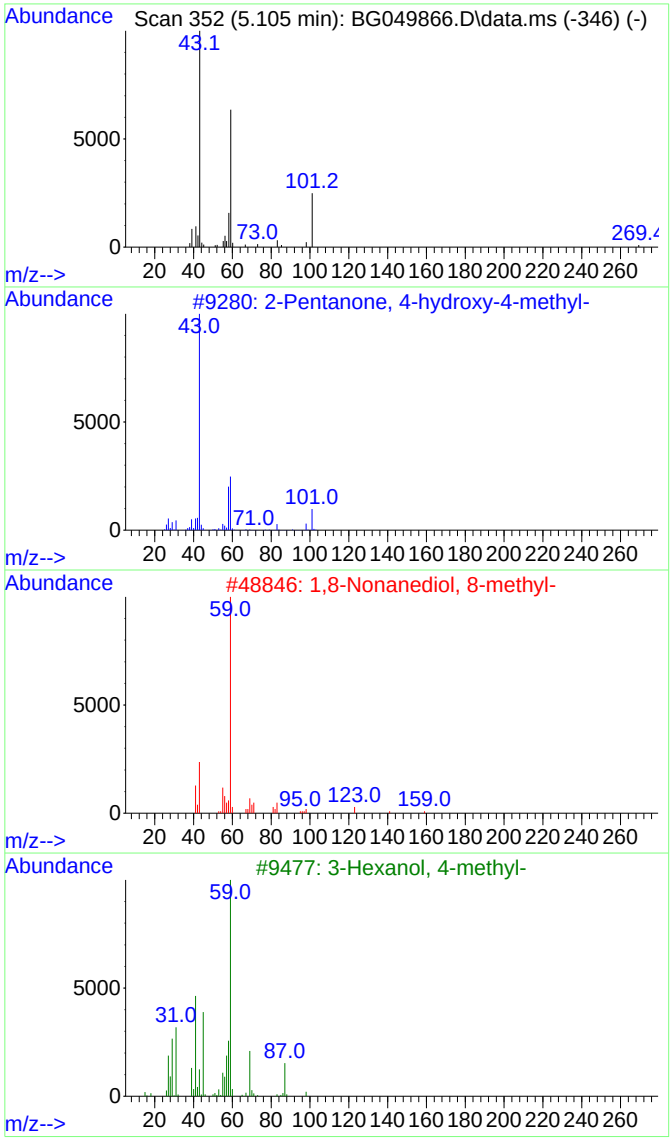
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

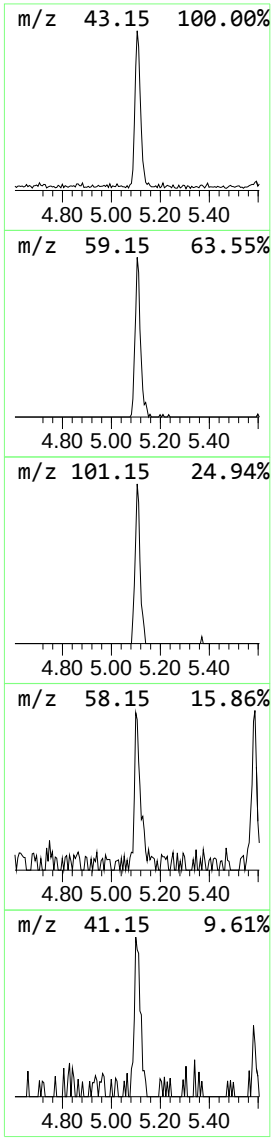
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.105	6.36 ng	67228	1,4-Dichlorobenzene-d4	8.025

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	32
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
5	4-Ethyl-3-octanol	158	C10H22O	019781-26-1	23





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081621\
Data File : BG049866.D
Acq On : 17 Aug 2021 1:58
Operator : CG/JU
Sample : M3408-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 32S

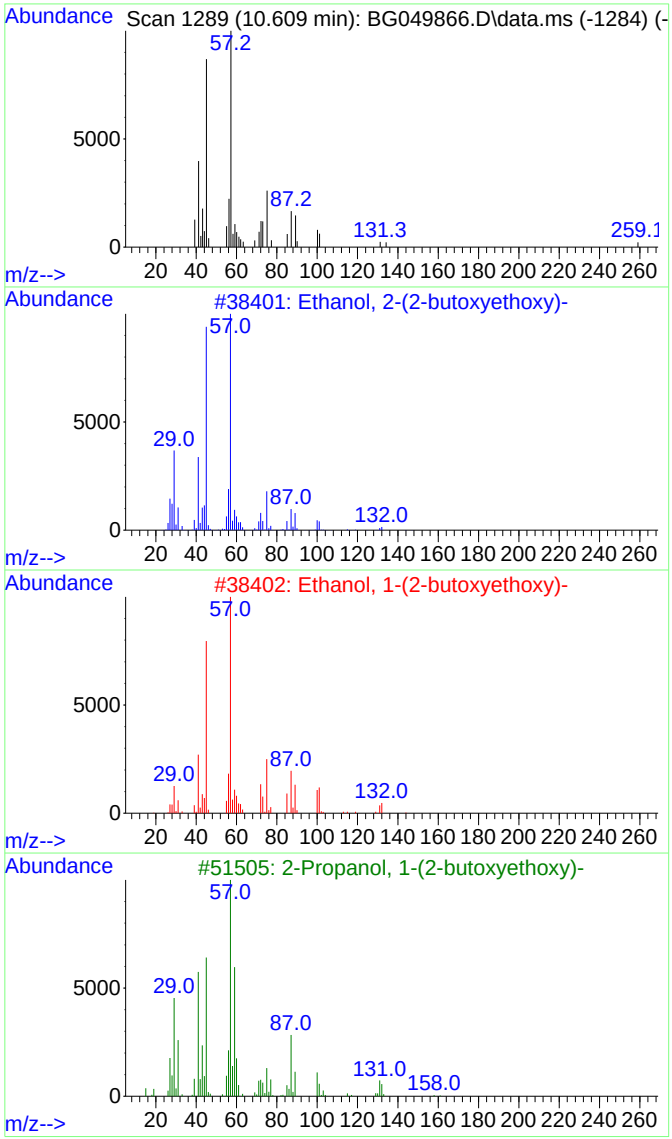
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

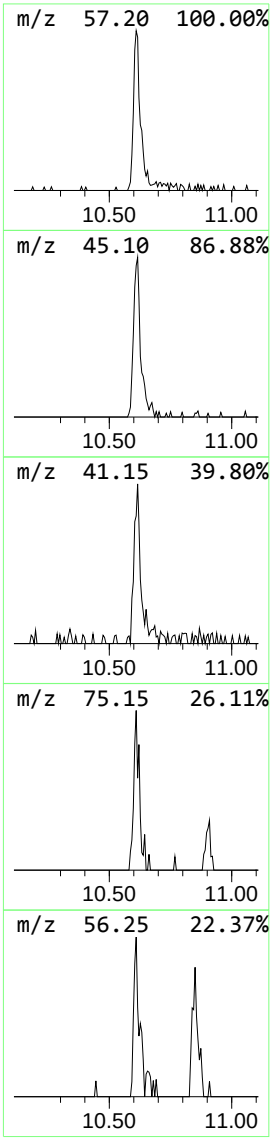
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.609	4.66 ng	67478	Naphthalene-d8	10.850

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	80
2	Ethanol, 1-(2-butoxyethoxy)-	162	C8H18O3	054446-78-5	64
3	2-Propanol, 1-(2-butoxyethoxy)-	176	C9H20O3	000124-16-3	59
4	DL-Lactamide, butyl ether	145	C7H15NO2	1000452-56-5	47
5	Ethanol, 2-[2-(2-butoxyethoxy)et...	206	C10H22O4	000143-22-6	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081621\
Data File : BG049866.D
Acq On : 17 Aug 2021 1:58
Operator : CG/JU
Sample : M3408-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 32S

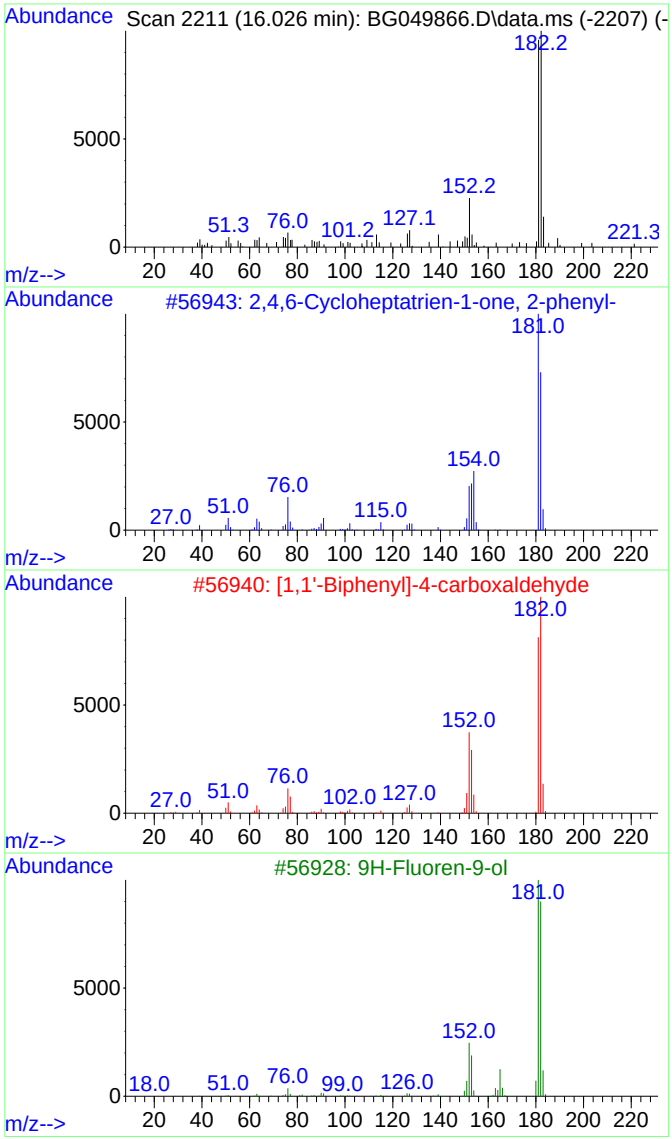
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

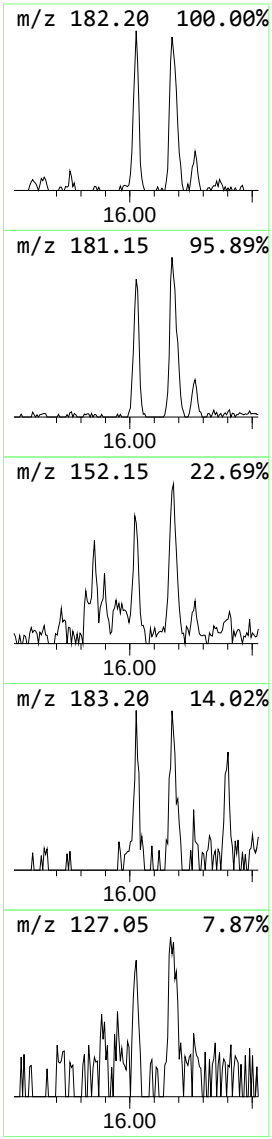
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 2,4,6-Cycloheptatrien-1-one... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.026	3.38 ng	70438	Acenaphthene-d10	14.680

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	72
5	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081621\
Data File : BG049866.D
Acq On : 17 Aug 2021 1:58
Operator : CG/JU
Sample : M3408-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 32S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

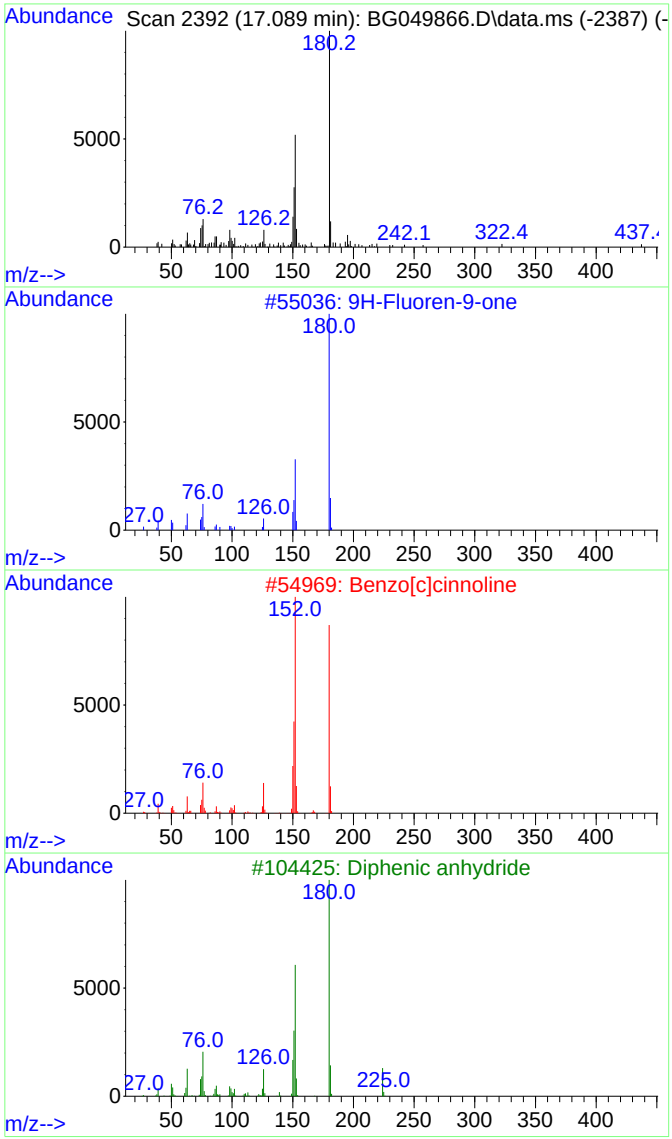
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

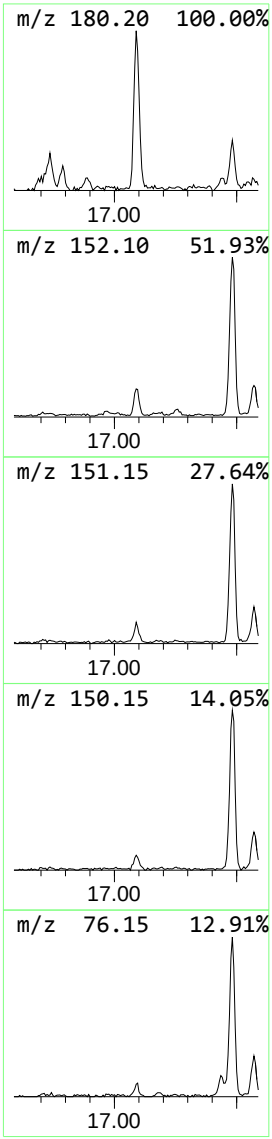
****

Peak Number 5 9H-Fluoren-9-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.089	4.48 ng	101753	Phenanthrene-d10	17.435

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
3	Diphenic anhydride	224	C14H8O3	006050-13-1	78
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	78
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081621\
Data File : BG049866.D
Acq On : 17 Aug 2021 1:58
Operator : CG/JU
Sample : M3408-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 32S

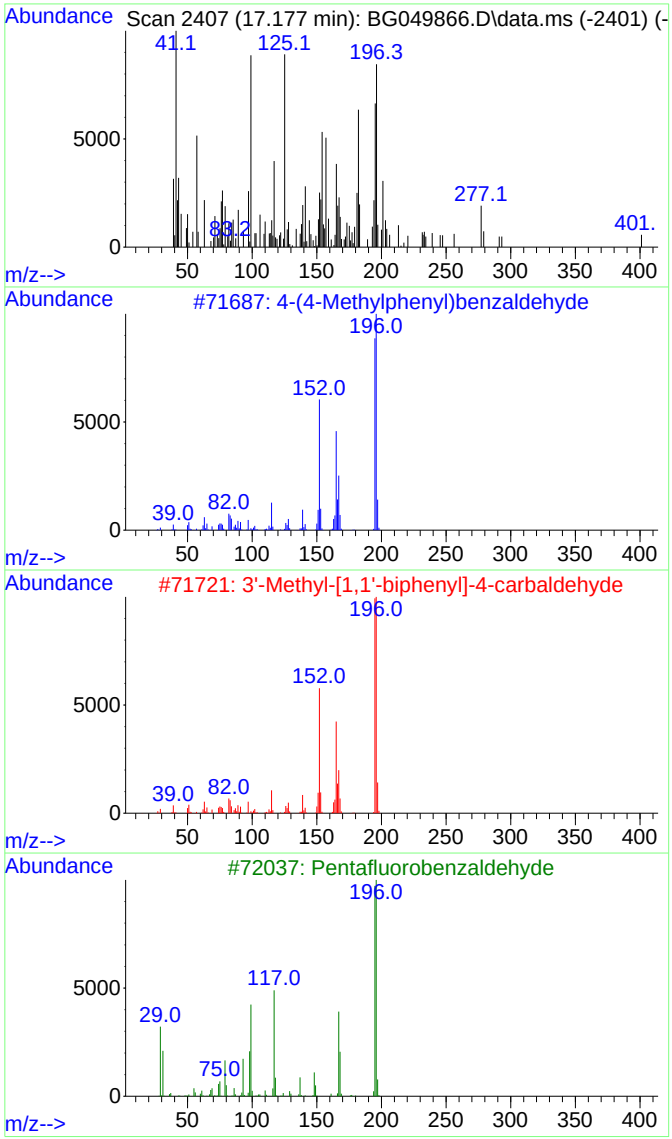
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

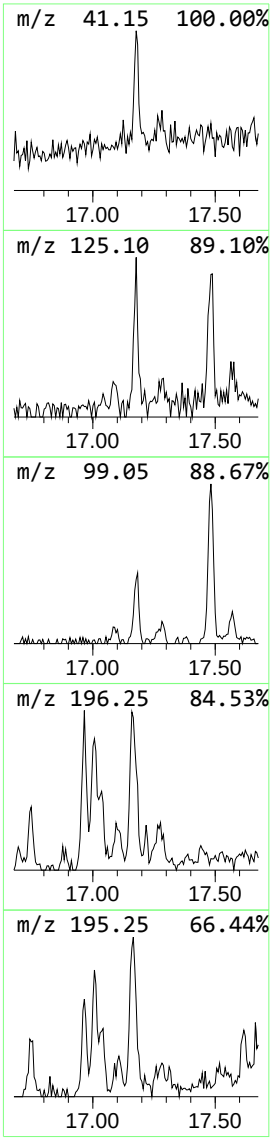
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 unknown17.177 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.177	4.68 ng	106211	Phenanthrene-d10	17.435

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	20
2	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	18
3	Pentafluorobenzaldehyde	196	C7HF5O	000653-37-2	18
4	Bis(1-chloro-2-propyl)(3-chloro-...	326	C9H18Cl3O4P	137909-40-1	14
5	Phenol, 3,5-dimethoxy-, acetate	196	C10H12O4	023133-74-6	14





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081621\
Data File : BG049866.D
Acq On : 17 Aug 2021 1:58
Operator : CG/JU
Sample : M3408-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 32S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

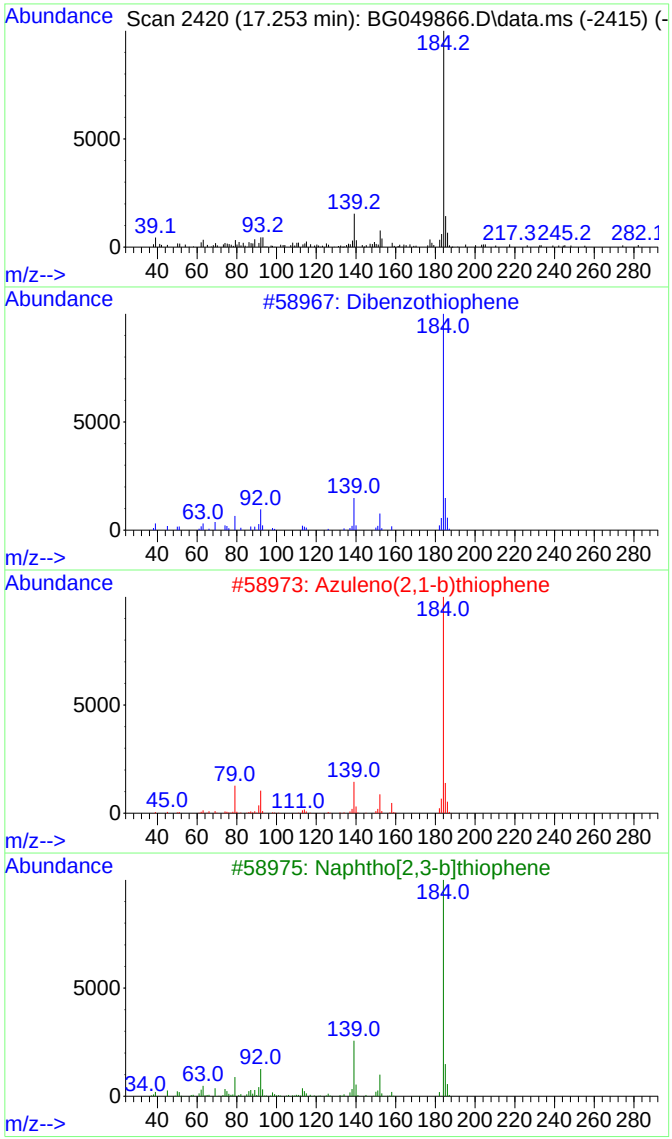
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

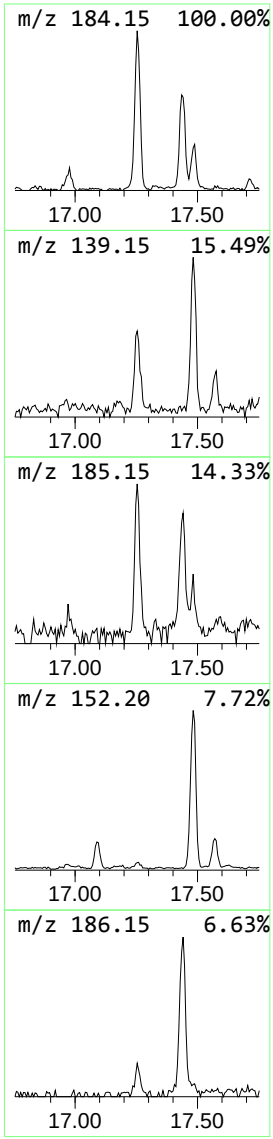
****

Peak Number 7 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.253	5.62 ng	127610	Phenanthrene-d10	17.435

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	93
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	83
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	83
5	Dibenzothiophene, 5-oxide	200	C12H8OS	001013-23-6	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081621\
Data File : BG049866.D
Acq On : 17 Aug 2021 1:58
Operator : CG/JU
Sample : M3408-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 32S

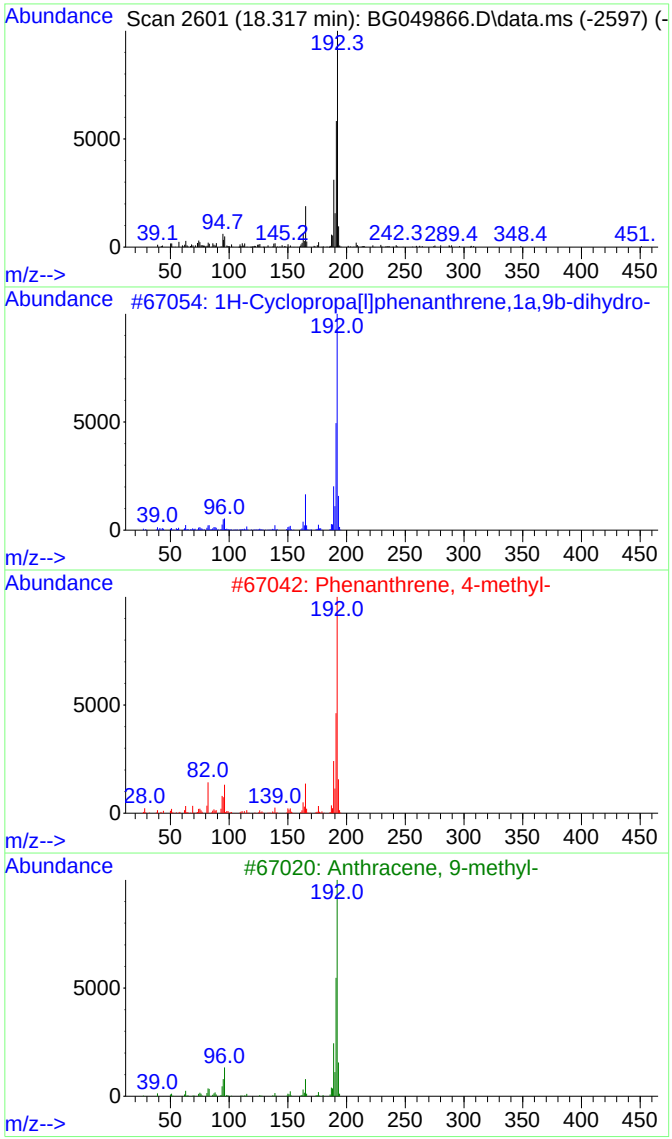
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

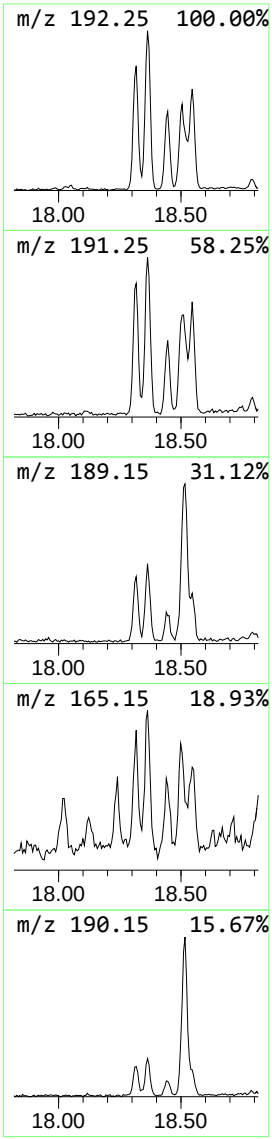
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.317	6.77 ng	153610	Phenanthrene-d10	17.435

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	81
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	81
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	76
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	72
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	72





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Acq On : 17 Aug 2021 1:58
Operator : CG/JU
Sample : M3408-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
32S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

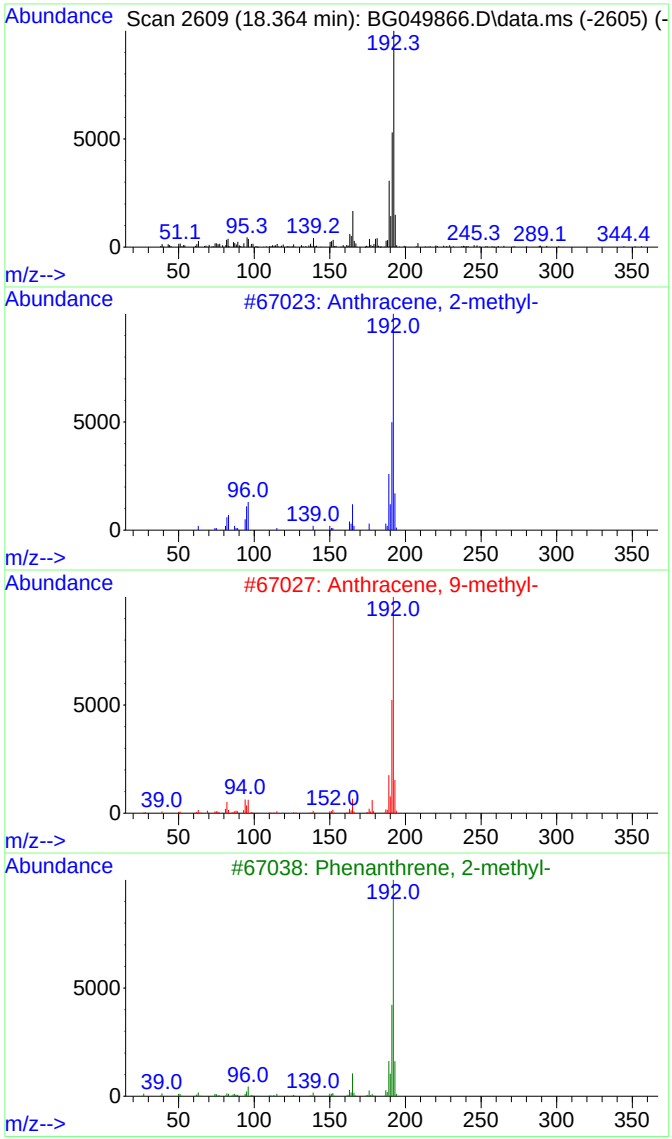
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

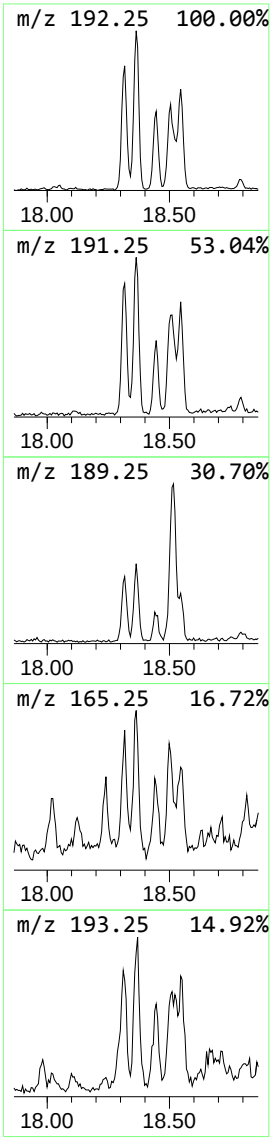
****

Peak Number 9 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.364	11.94 ng	271070	Phenanthrene-d10	17.435

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





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Acq On : 17 Aug 2021 1:58
Operator : CG/JU
Sample : M3408-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 32S

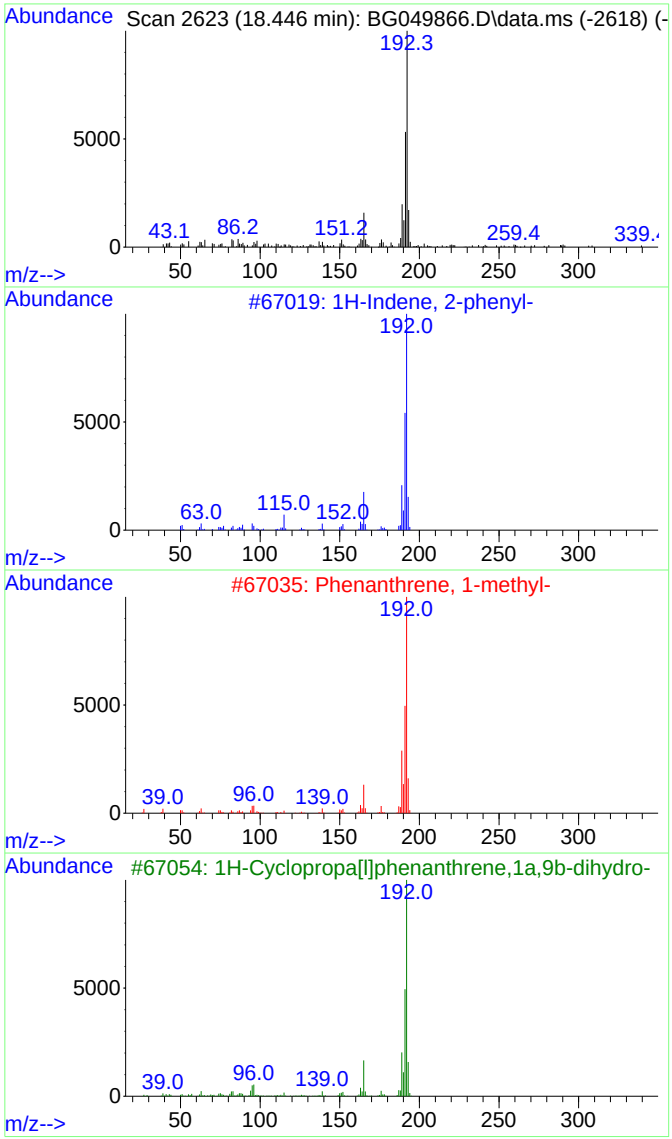
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

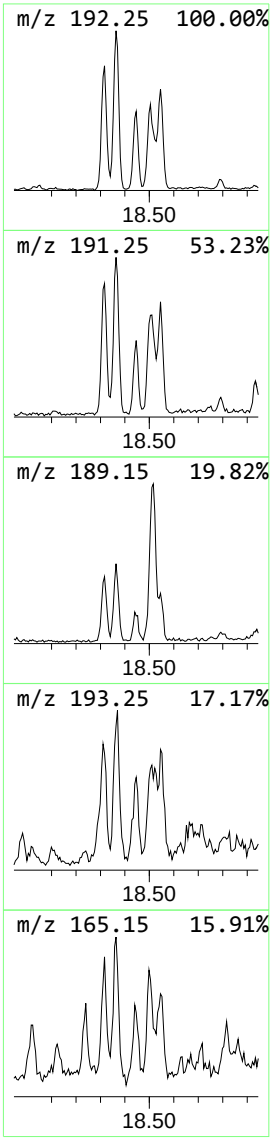
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1H-Indene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.446	5.50 ng	124849	Phenanthrene-d10	17.435

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87





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Sample : M3408-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 32S

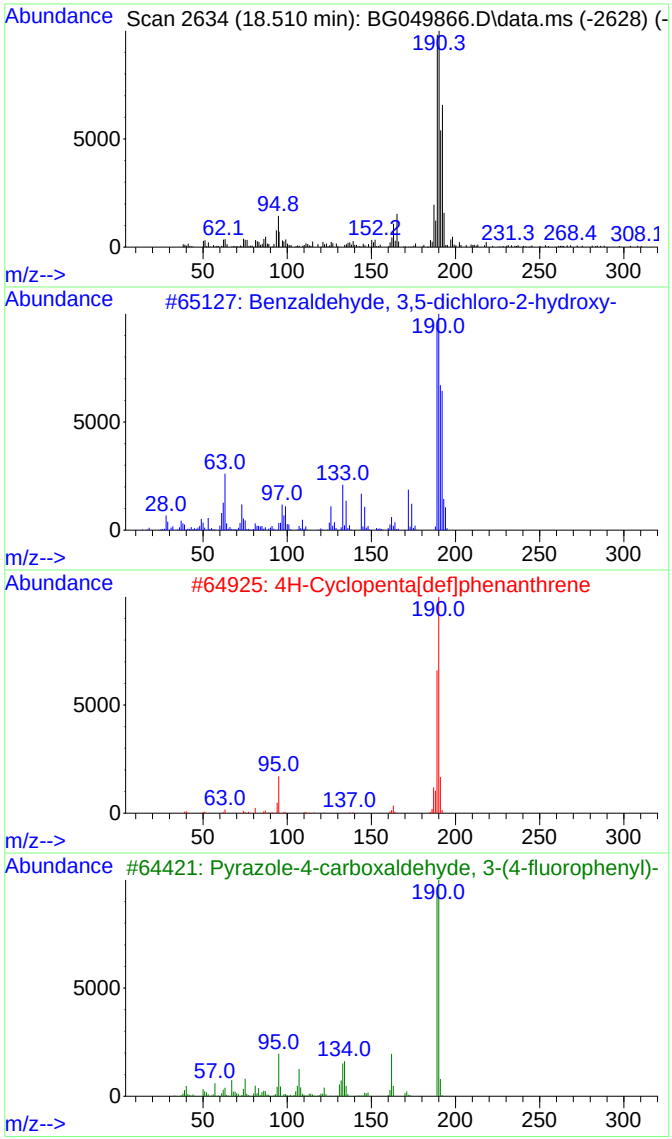
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

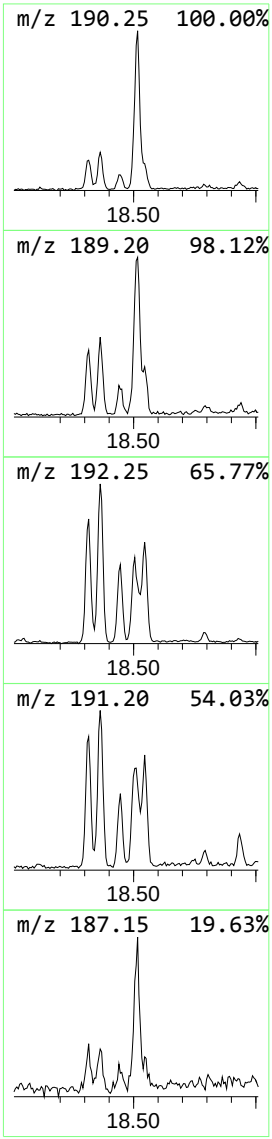
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Benzaldehyde, 3,5-dichloro-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.510	16.35 ng	370997	Phenanthrene-d10	17.435

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
3	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	46
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	38
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	38





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Operator : CG/JU
Sample : M3408-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 32S

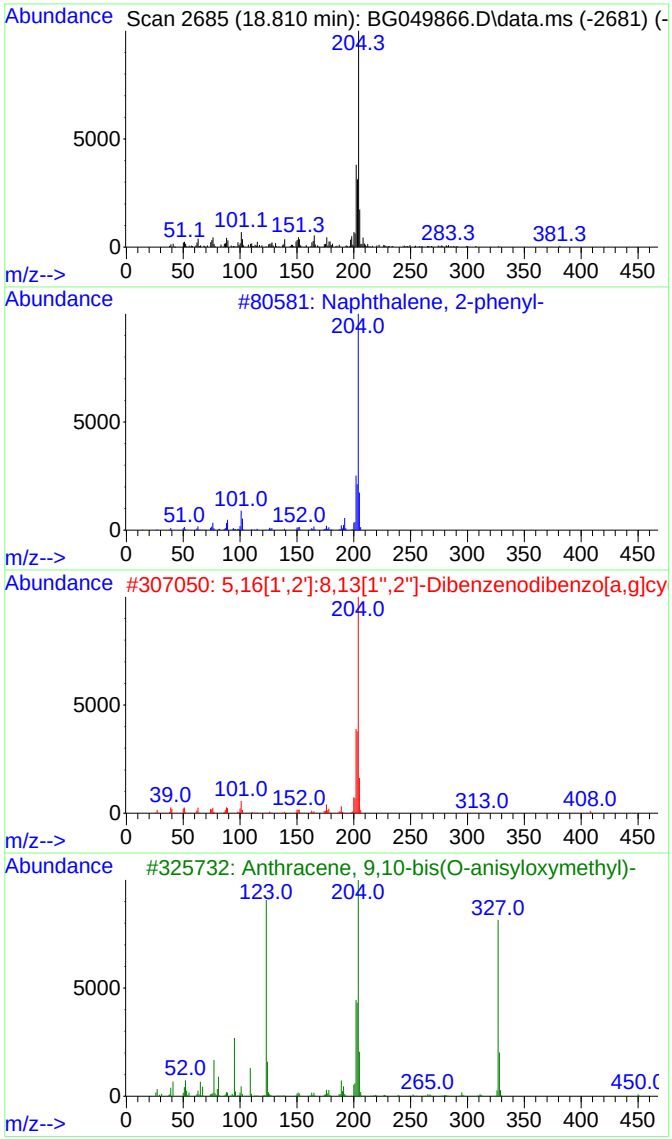
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

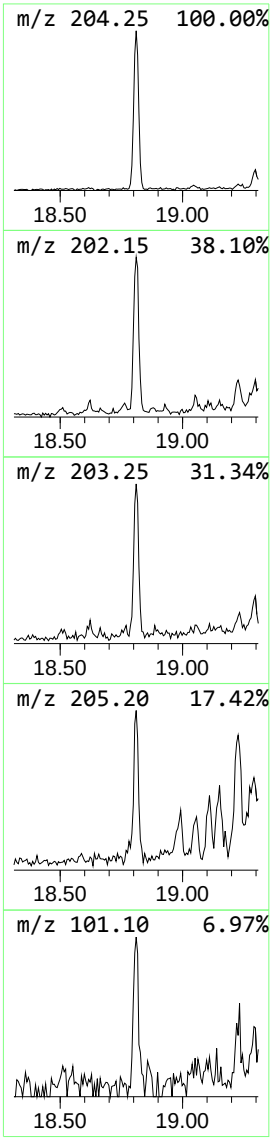
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.810	8.39 ng	190393	Phenanthrene-d10	17.435

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Anthracene, 9,10-bis(O-anisyloxy...	450	C30H26O4	1000154-05-7	78
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	50





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Sample : M3408-05
Misc :
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Instrument : BNA_G
ClientSampleId : 32S

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

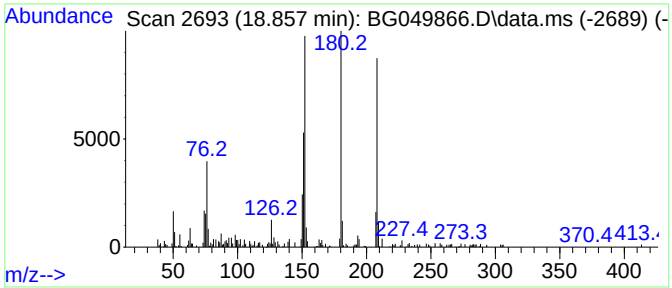
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

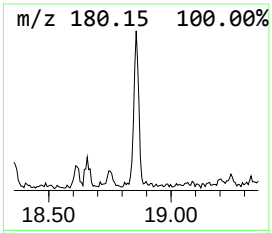
****

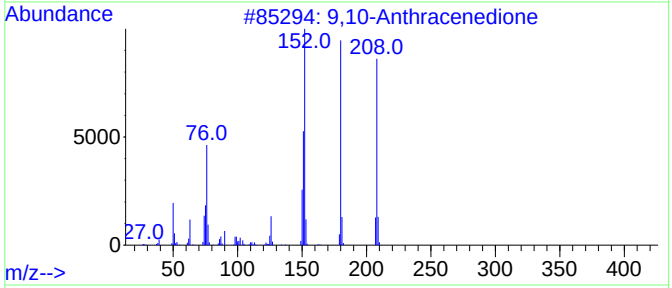
Peak Number 13 9,10-Anthracenedione Concentration Rank 9

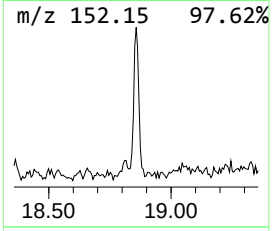
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.857	6.29 ng	142765	Phenanthrene-d10	17.435

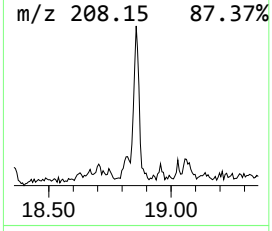
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	92
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
4	Anthraquinone-1-carboxylic acid	252	C15H8O4	000602-69-7	64
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	49

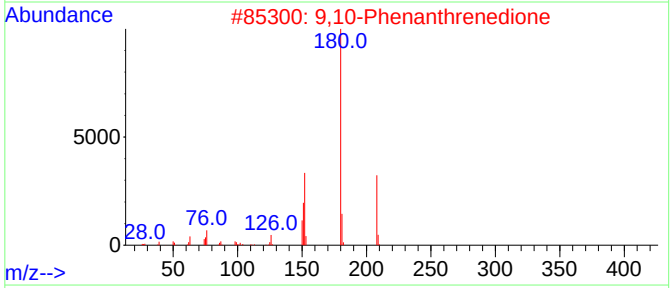


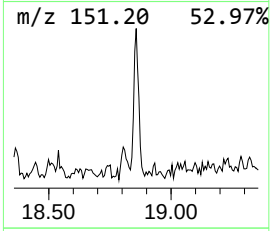


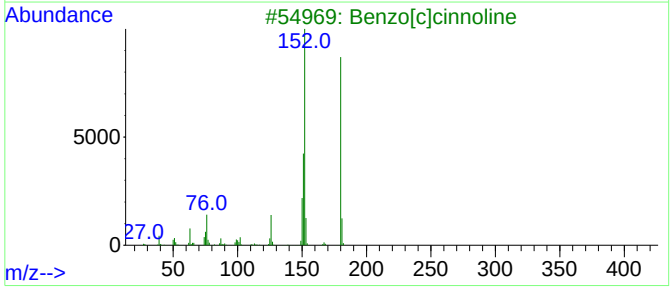


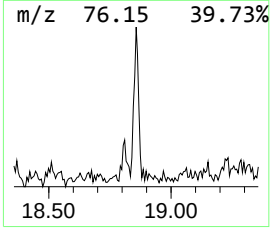












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Acq On : 17 Aug 2021 1:58
Operator : CG/JU
Sample : M3408-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 32S

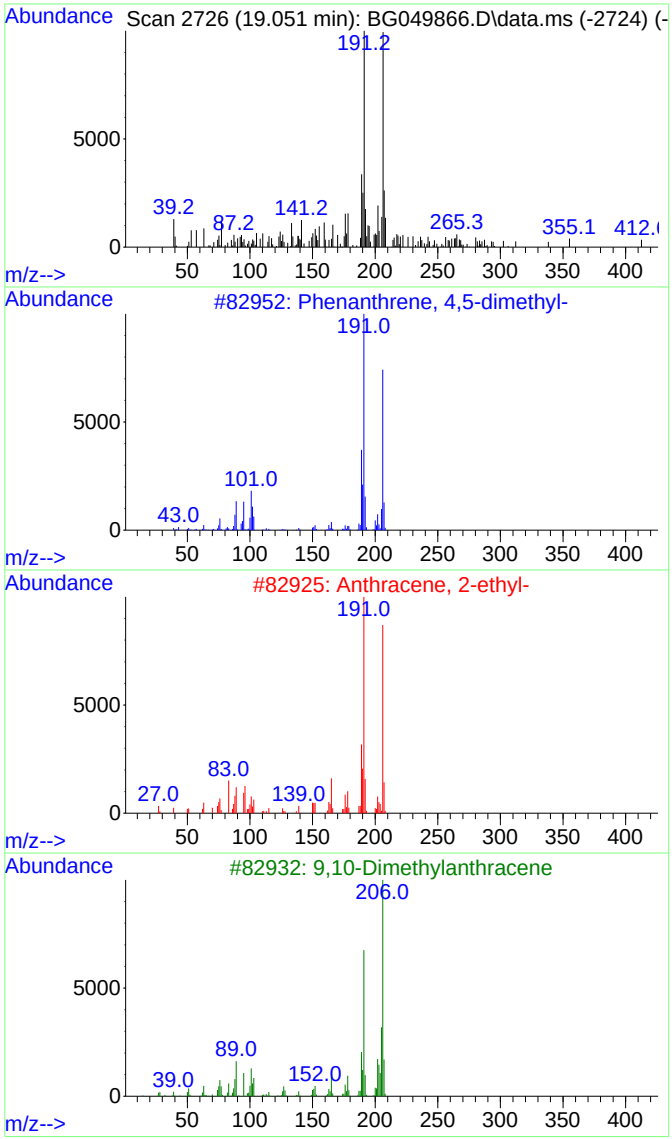
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

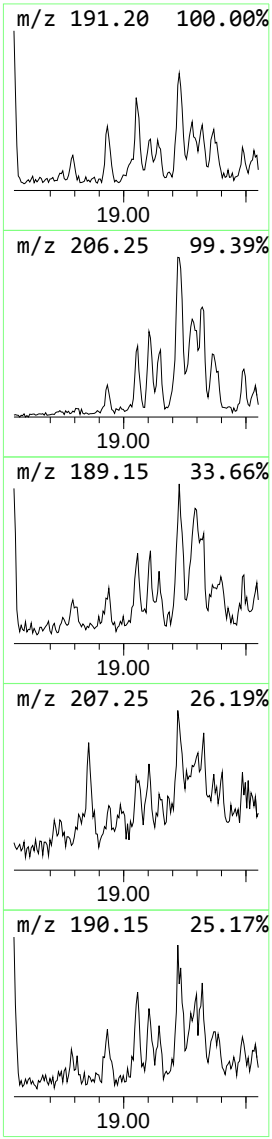
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Phenanthrene, 4,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.051	3.19 ng	72366	Phenanthrene-d10	17.435

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	81
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	81
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	81
4	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	76
5	Phenanthrene, 2-ethyl-	206	C16H14	003674-74-6	64





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Acq On : 17 Aug 2021 1:58
Operator : CG/JU
Sample : M3408-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 32S

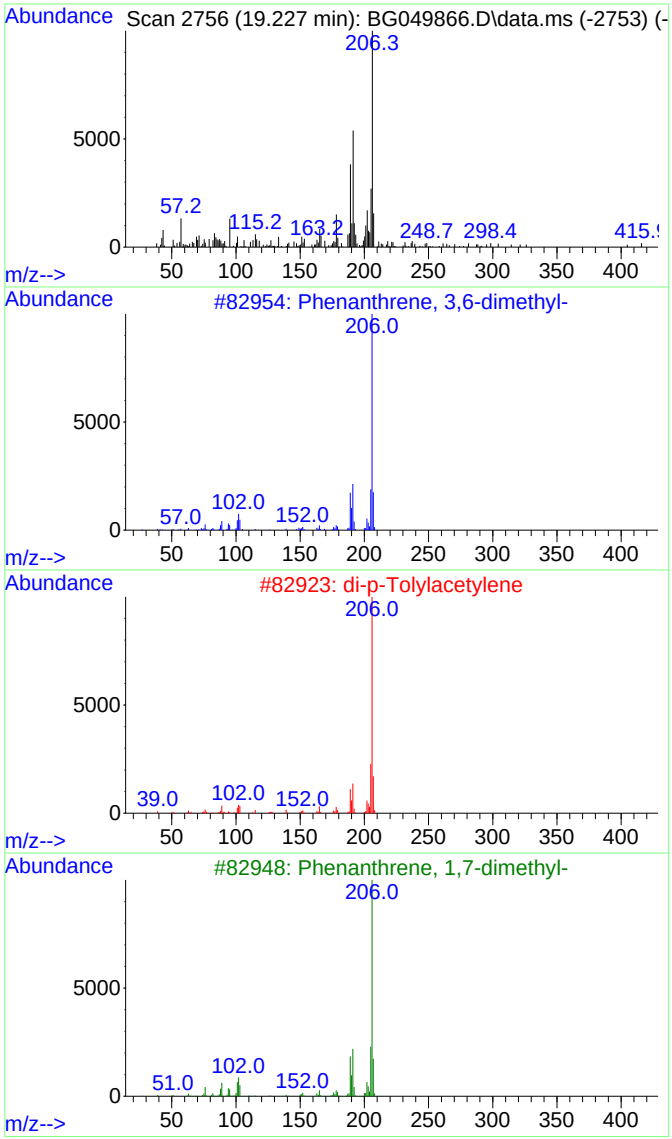
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

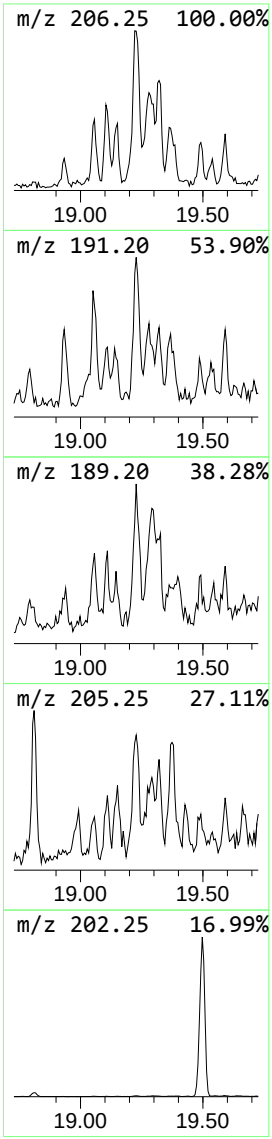
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Phenanthrene, 3,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.227	4.65 ng	105642	Phenanthrene-d10	17.435

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	86
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	80
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	74
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	70





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Sample : M3408-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

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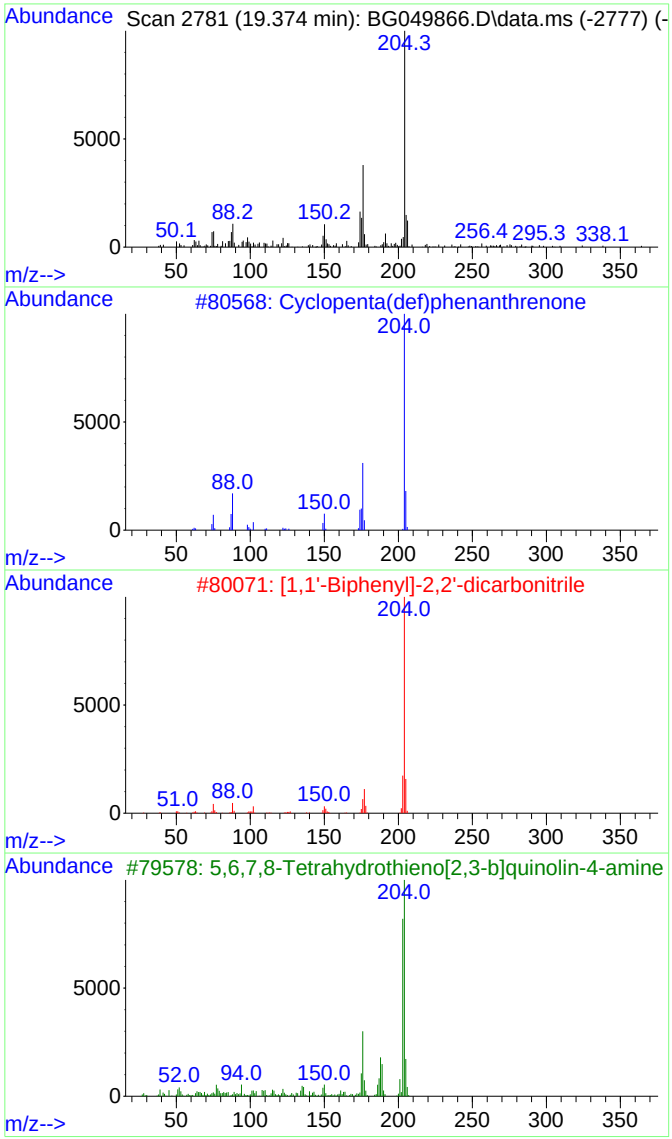
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

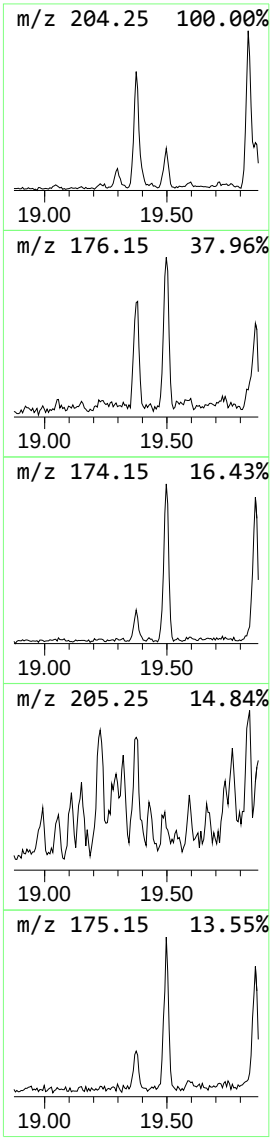
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.374	7.12 ng	161589	Phenanthrene-d10	17.435

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	74
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	59
3	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	59
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	50
5	Isoquinoline, 1-phenyl-	205	C15H11N	003297-72-1	50





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Sample : M3408-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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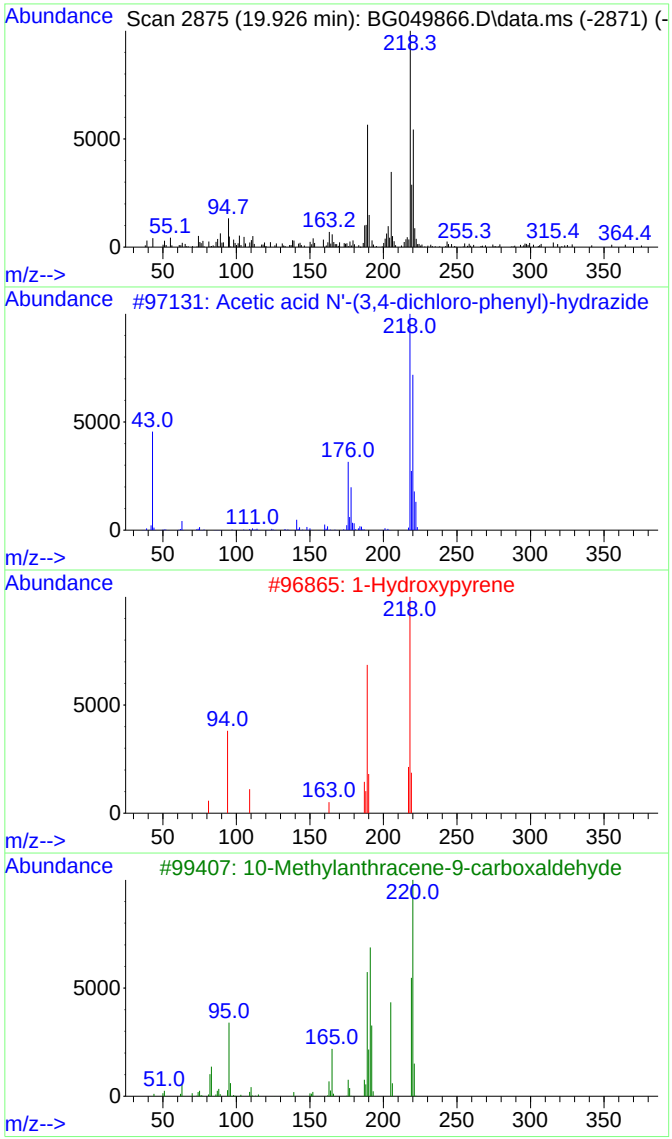
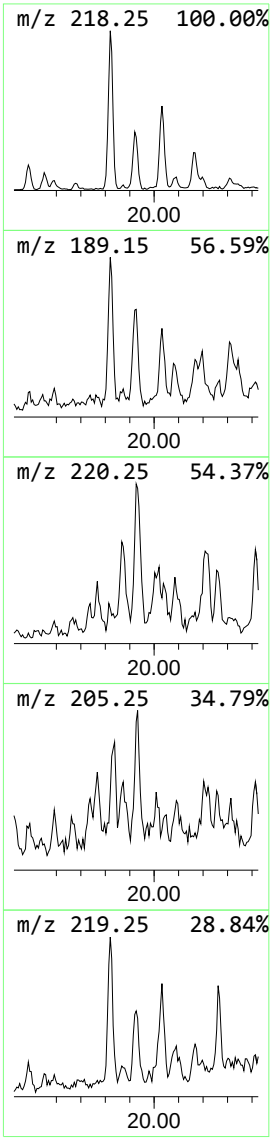
Peak Number 17 unknown19.926 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.926	2.23 ng	185363	Chrysene-d12	21.730

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid N'-(3,4-dichloro-phe...	218	C8H8Cl2N2O	1000294-80-9	49
2	1-Hydroxypyrene	218	C16H10O	005315-79-7	49
3	10-Methylanthracene-9-carboxalde...	220	C16H12O	007072-00-6	46
4	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	43
5	Tetrachloro-o-benzoquinone	244	C6Cl4O2	002435-53-2	43





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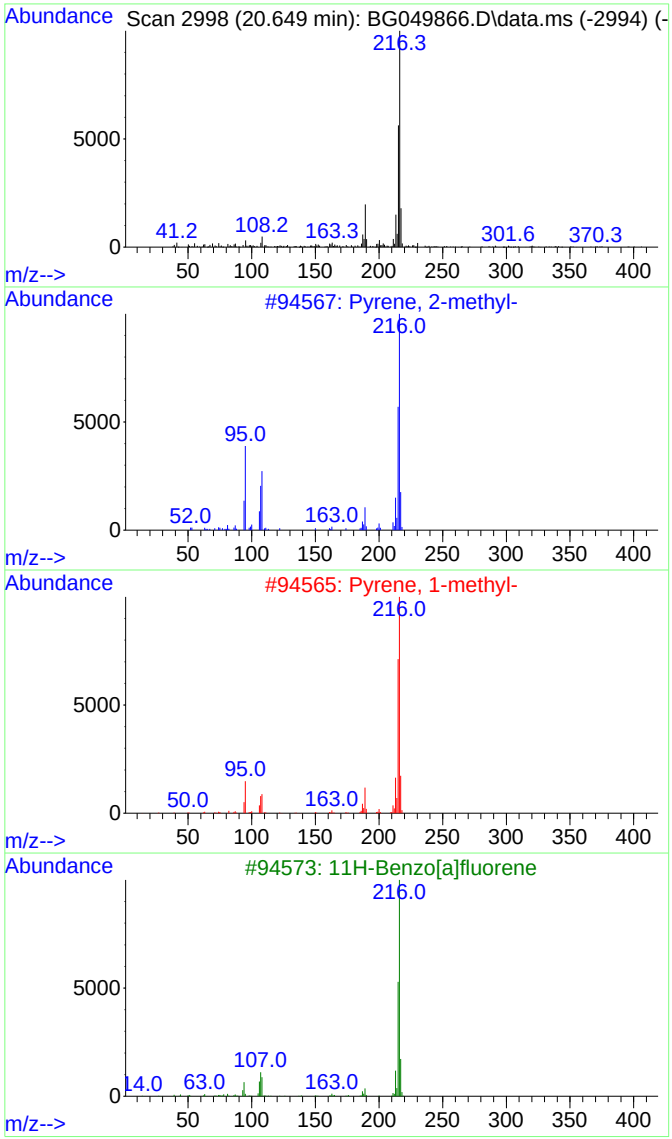
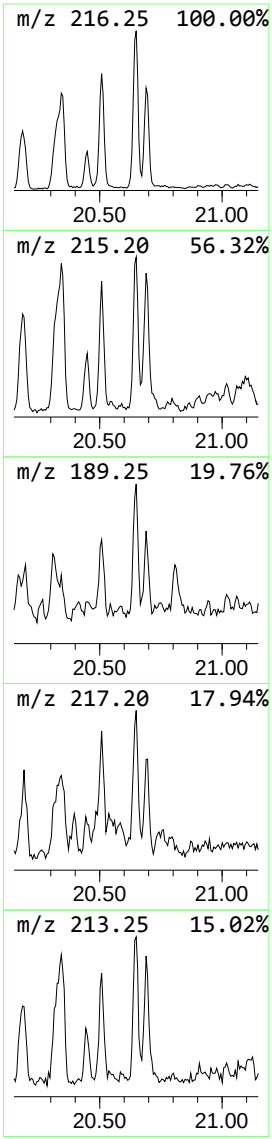
****

Peak Number 18 Pyrene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.649	3.95 ng	328603	Chrysene-d12	21.730

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87





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Data File : BG049866.D
Acq On : 17 Aug 2021 1:58
Operator : CG/JU
Sample : M3408-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 32S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

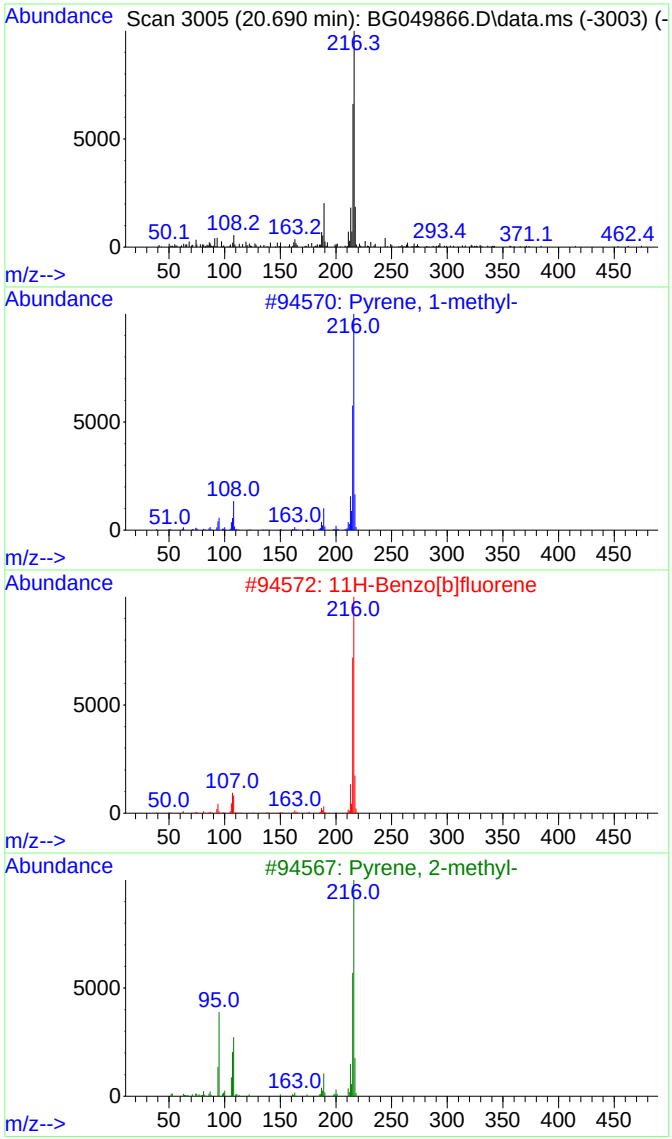
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

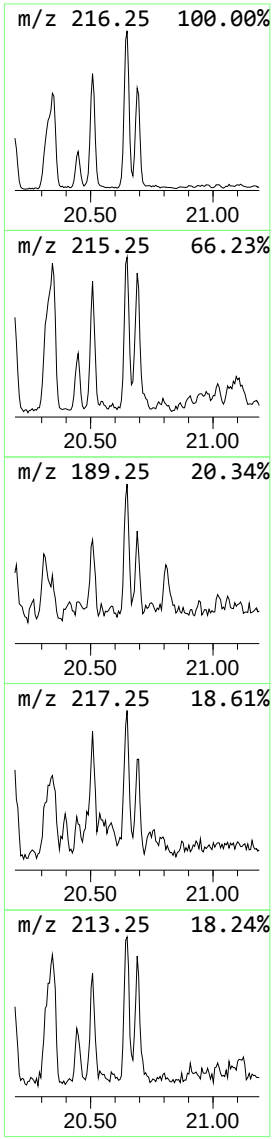
****

Peak Number 19 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.690	3.50 ng	291556	Chrysene-d12	21.730

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	74





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Data File : BG049866.D
Acq On : 17 Aug 2021 1:58
Operator : CG/JU
Sample : M3408-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
32S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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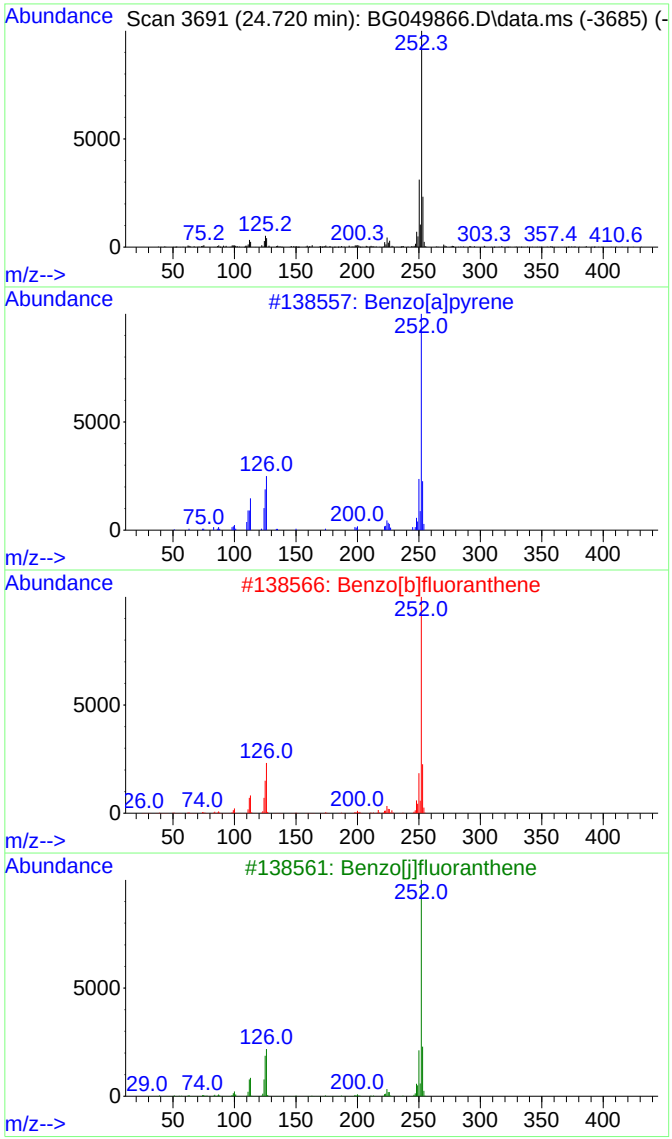
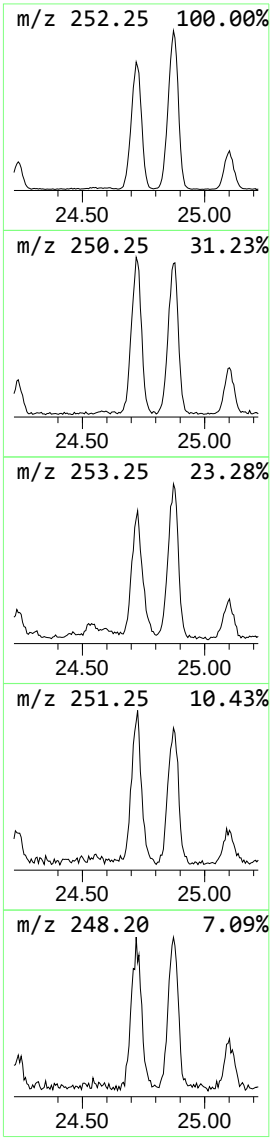
Peak Number 20 Benzo[j]fluoranthene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.720	16.48 ng	1089710	Perylene-d12	25.019

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	94
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Benzo[e]pyrene	252	C20H12	000192-97-2	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081621\
Data File : BG049866.D
Acq On : 17 Aug 2021 1:58
Operator : CG/JU
Sample : M3408-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 32S

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.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...	3.137	16.5	ng	174372	1	8.025	211393	20.0
2-Pentanone, 4-...	5.105	6.4	ng	67228	1	8.025	211393	20.0
Ethanol, 2-(2-b...	10.609	4.7	ng	67478	2	10.850	289650	20.0
2,4,6-Cyclohept...	16.026	3.4	ng	70438	3	14.680	416809	20.0
9H-Fluoren-9-one	17.089	4.5	ng	101753	4	17.435	453921	20.0
unknown17.177	17.177	4.7	ng	106211	4	17.435	453921	20.0
Dibenzothiophene	17.253	5.6	ng	127610	4	17.435	453921	20.0
1H-Cyclopropa[l...	18.317	6.8	ng	153610	4	17.435	453921	20.0
Anthracene, 2-m...	18.364	11.9	ng	271070	4	17.435	453921	20.0
1H-Indene, 2-ph...	18.446	5.5	ng	124849	4	17.435	453921	20.0
Benzaldehyde, 3...	18.510	16.4	ng	370997	4	17.435	453921	20.0
Naphthalene, 2-...	18.810	8.4	ng	190393	4	17.435	453921	20.0
9,10-Anthracene...	18.857	6.3	ng	142765	4	17.435	453921	20.0
Phenanthrene, 4...	19.051	3.2	ng	72366	4	17.435	453921	20.0
Phenanthrene, 3...	19.227	4.7	ng	105642	4	17.435	453921	20.0
Cyclopenta(def)...	19.374	7.1	ng	161589	4	17.435	453921	20.0
unknown19.926	19.926	2.2	ng	185363	5	21.730	1665230	20.0
Pyrene, 2-methyl-	20.649	4.0	ng	328603	5	21.730	1665230	20.0
Pyrene, 1-methyl-	20.690	3.5	ng	291556	5	21.730	1665230	20.0
Benzo[j]fluoran...	24.720	16.5	ng	1089710	6	25.019	1322570	20.0