LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
Data File : BG059846.D
Acq On : 23 Nov 2023 10:37
Operator : MA/JU
Sample : 05445-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SOIL-3-1115

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-BG111623.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG059846.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.821	408	414	422	rVB	306501	505945	29.97%	4.078%
2	7.455	685	692	699	rBV	372318	632101	37.45%	5.095%
3	8.330	834	841	848	rVB	131762	227990	13.51%	1.838%
4	9.535	1038	1046	1053	rVB	268466	479407	28.40%	3.864%
5	11.180	1318	1326	1332	rBV	173473	323467	19.16%	2.607%
6	12.807	1596	1603	1608	rVB4	10422	27021	1.60%	0.218%
7	13.583	1727	1735	1743	rVB	835959	1280737	75.88%	10.324%
8	13.783	1765	1769	1774	rVB5	19167	27265	1.62%	0.220%
9	14.958	1964	1969	1976	rVB3	319757	511510	30.30%	4.123%
10	15.022	1976	1980	1985	rVB2	29523	33379	1.98%	0.269%
11	15.363	2031	2038	2043	rVB3	20223	38192	2.26%	0.308%
12	16.009	2142	2148	2155	rVB3	32124	49303	2.92%	0.397%
13	16.444	2215	2222	2229	rBV2	739953	1145741	67.88%	9.235%
14	17.055	2319	2326	2329	rBV9	10660	23959	1.42%	0.193%
15	17.208	2347	2352	2355	rBV6	11367	19493	1.15%	0.157%
16	17.355	2373	2377	2378	rBV4	17774	17823	1.06%	0.144%
17	17.713	2430	2438	2442	rBV	409415	652706	38.67%	5.261%
18	17.754	2442	2445	2451	rVB2	279831	404728	23.98%	3.262%
19	17.848	2457	2461	2467	rVB2	56725	89777	5.32%	0.724%
20	18.089	2498	2502	2503	rBV4	12885	18022	1.07%	0.145%
21	18.125	2503	2508	2514	rVB2	38408	68276	4.04%	0.550%
22	18.418	2554	2558	2561	rBV6	29448	39359	2.33%	0.317%
23	18.524	2572	2576	2580	rBV4	107528	147380	8.73%	1.188%
24	18.577	2582	2585	2589	rVV6	54941	78720	4.66%	0.635%
25	18.624	2589	2593	2601	rVV6	64235	126391	7.49%	1.019%
26	18.777	2612	2619	2623	rBV9	51974	115887	6.87%	0.934%
27	19.065	2664	2668	2673	rBV5	37127	61666	3.65%	0.497%
28	19.123	2673	2678	2682	rVV7	43914	63197	3.74%	0.509%
29	19.405	2722	2726	2728	rVB5	16327	18547	1.10%	0.150%
30	19.470	2733	2737	2742	rBV8	38710	69907	4.14%	0.563%
31	19.752	2780	2785	2789	rBV	370114	503813	29.85%	4.061%
32	20.075	2836	2840	2843	rBV4	42006	76251	4.52%	0.615%
33	20.110	2843	2846	2851	rVB	291271	407095	24.12%	3.281%
34	20.287	2871	2876	2881	rBV	1370833	1687952	100.00%	13.606%
35	20.586	2925	2927	2932	rVB4	59173	81158	4.81%	0.654%
36	20.686	2942	2944	2948	rBV4	34304	41196	2.44%	0.332%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
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Operator : MA/JU
Sample : 05445-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SOIL-3-1115

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-BG111623.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	20.745	2952	2954	2957	rVB3	25301	20961	1.24%	0.169%
38	21.579	3092	3096	3101	rVB7	74750	131035	7.76%	1.056%
39	22.038	3166	3174	3180	rBV3	318269	760805	45.07%	6.133%
40	22.091	3180	3183	3188	rVB2	117646	183622	10.88%	1.480%
41	22.684	3282	3284	3285	rBV2	20038	18358	1.09%	0.148%
42	24.282	3545	3556	3557	rBV10	181073	453528	26.87%	3.656%
43	24.447	3582	3584	3586	rBV3	37078	33558	1.99%	0.270%
44	25.451	3750	3755	3762	rVB2	67162	165965	9.83%	1.338%
45	25.628	3777	3785	3794	rVB2	163067	458931	27.19%	3.699%
46	27.161	4044	4046	4048	rBV3	26026	22277	1.32%	0.180%
47	27.514	4105	4106	4109	rBV3	16547	17037	1.01%	0.137%
48	29.217	4392	4396	4397	rBV4	16626	24414	1.45%	0.197%
49	29.605	4460	4462	4465	rBV4	16151	20099	1.19%	0.162%

Sum of corrected areas: 12405951

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ClientSampleId :
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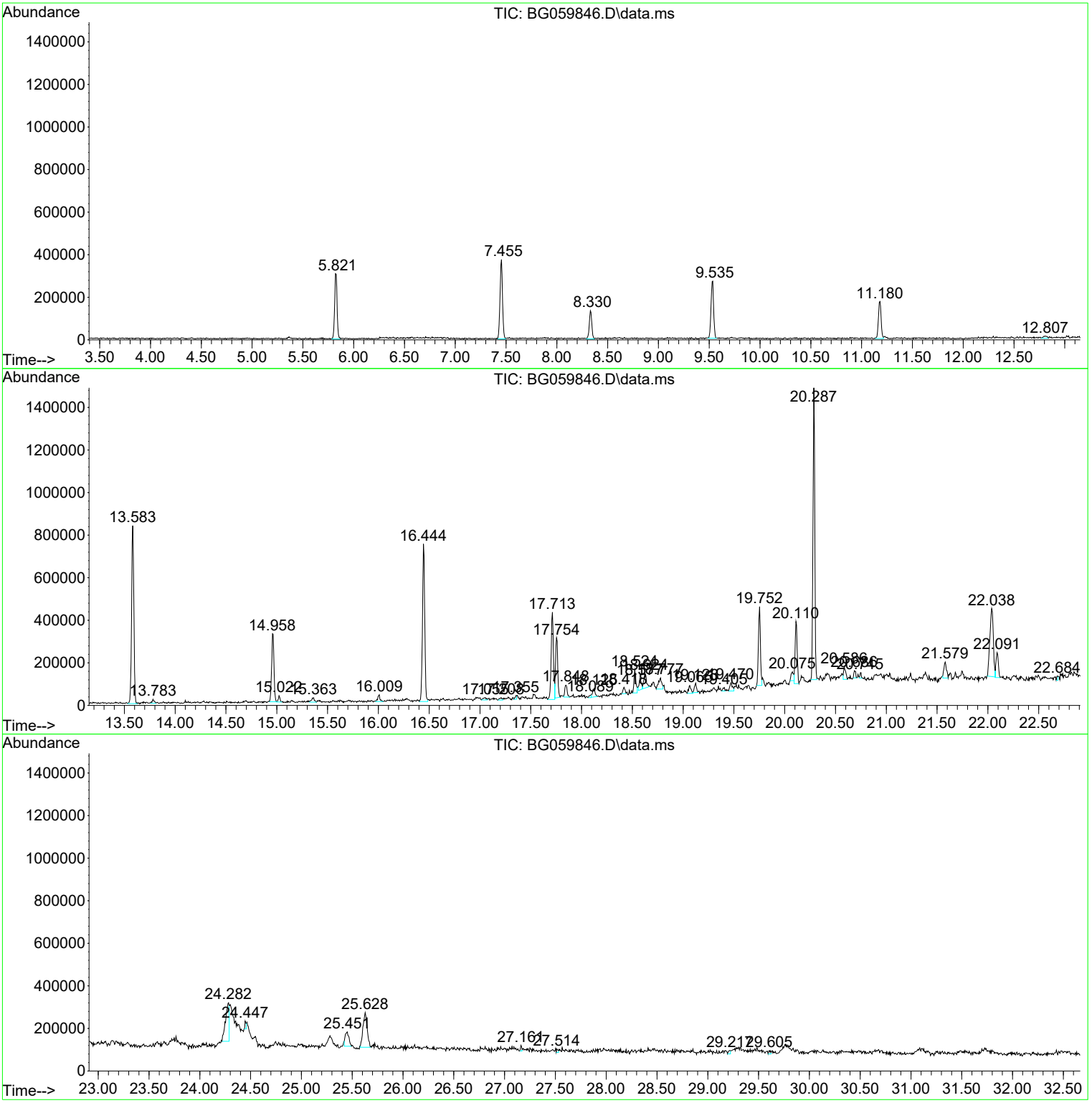
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
Data File : BG059846.D
Acq On : 23 Nov 2023 10:37
Operator : MA/JU
Sample : 05445-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

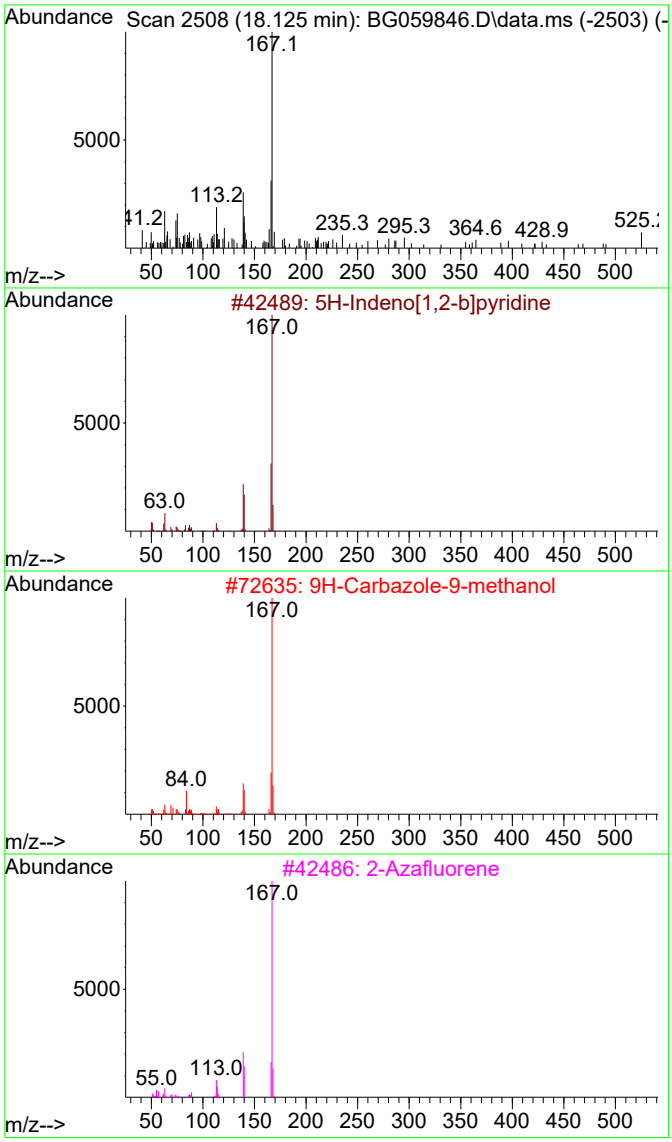
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

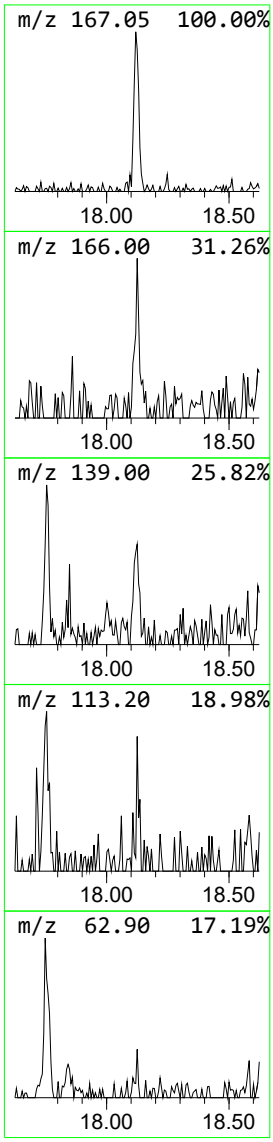
****

Peak Number 1 5H-Indeno[1,2-b]pyridine Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.125	2.09 ng	68276	Phenanthrene-d10	17.713

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	83
2	9H-Carbazole-9-methanol	197	C13H11NO	002409-36-1	64
3	2-Azafluorene	167	C12H9N	000244-40-6	59
4	Carbazole	167	C12H9N	000086-74-8	50
5	5-Fluoro-2-methyl-benzothiazole	167	C8H6FNS	000399-75-7	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
Data File : BG059846.D
Acq On : 23 Nov 2023 10:37
Operator : MA/JU
Sample : 05445-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SOIL-3-1115

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

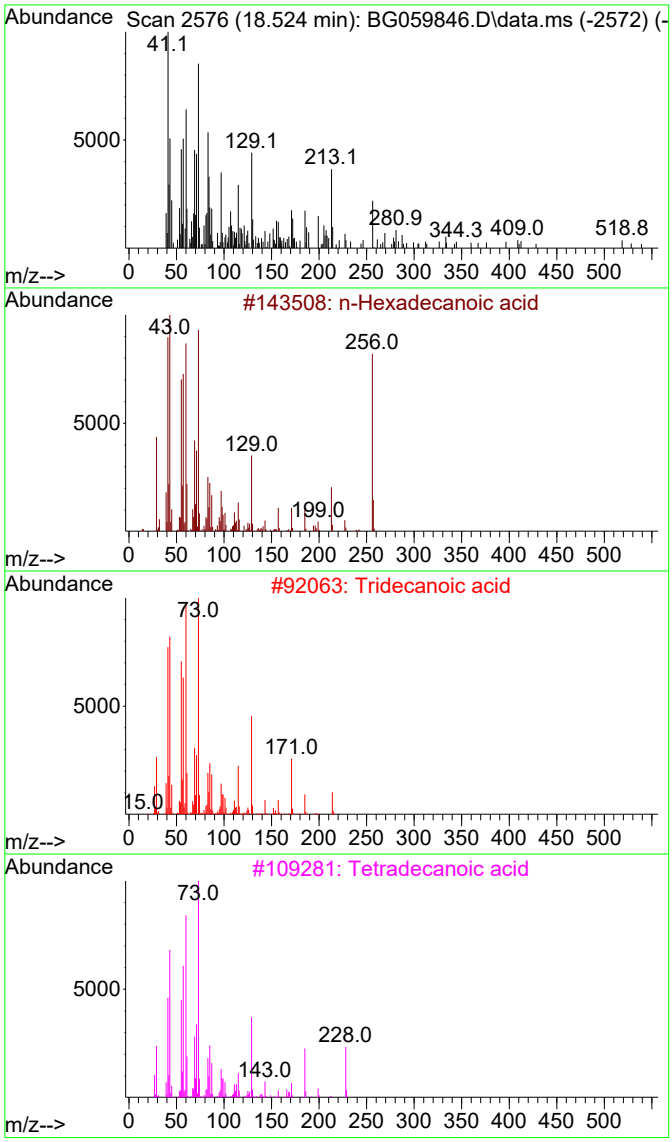
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

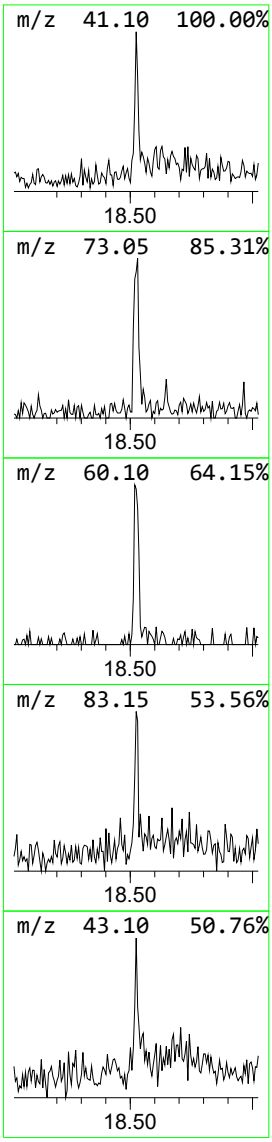
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.524	4.52 ng	147380	Phenanthrene-d10	17.713

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	70
2	Tridecanoic acid	214	C13H26O2	000638-53-9	60
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	50
4	8-Methylnonanoic acid	172	C10H20O2	005963-14-4	43
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	22





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
Data File : BG059846.D
Acq On : 23 Nov 2023 10:37
Operator : MA/JU
Sample : 05445-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SOIL-3-1115

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

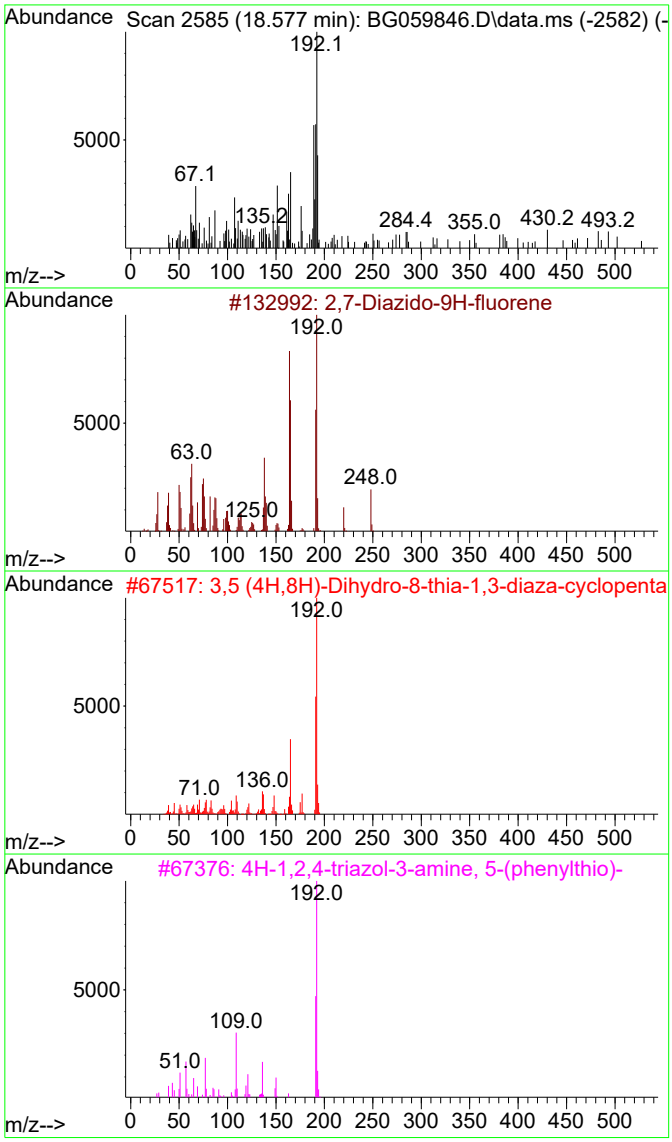
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

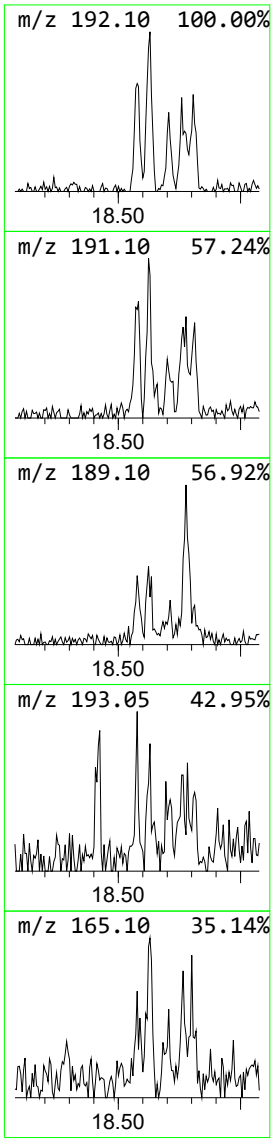
****

Peak Number 3 2,7-Diazido-9H-fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.577	2.41 ng	78720	Phenanthrene-d10	17.713

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,7-Diazido-9H-fluorene	248	C13H8N6	072045-59-1	50
2	3,5 (4H,8H)-Dihydro-8-thia-1,3-d...	192	C9H8N2OS	014346-25-9	45
3	4H-1,2,4-triazol-3-amine, 5-(phe...	192	C8H8N4S	1000400-25-5	43
4	[2,2](2,7)Fluorenophane	384	C30H24	341976-13-4	43
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
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Operator : MA/JU
Sample : 05445-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SOIL-3-1115

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

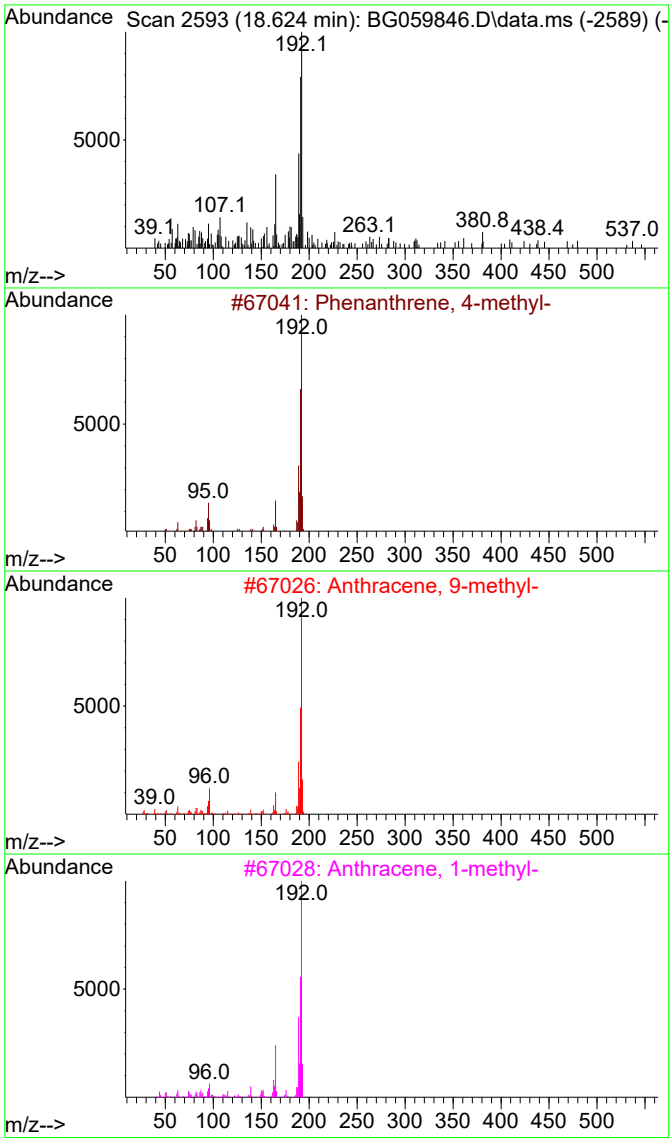
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

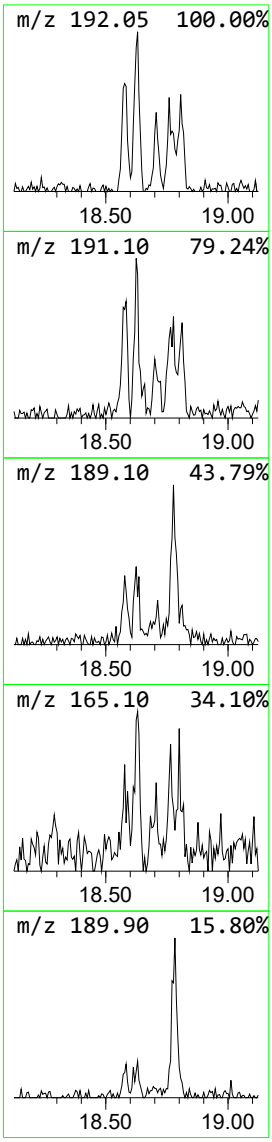
****

Peak Number 4 Phenanthrene, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.624	3.87 ng	126391	Phenanthrene-d10	17.713

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	60
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	60
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	60
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	60
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	60





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Sample : 05445-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SOIL-3-1115

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

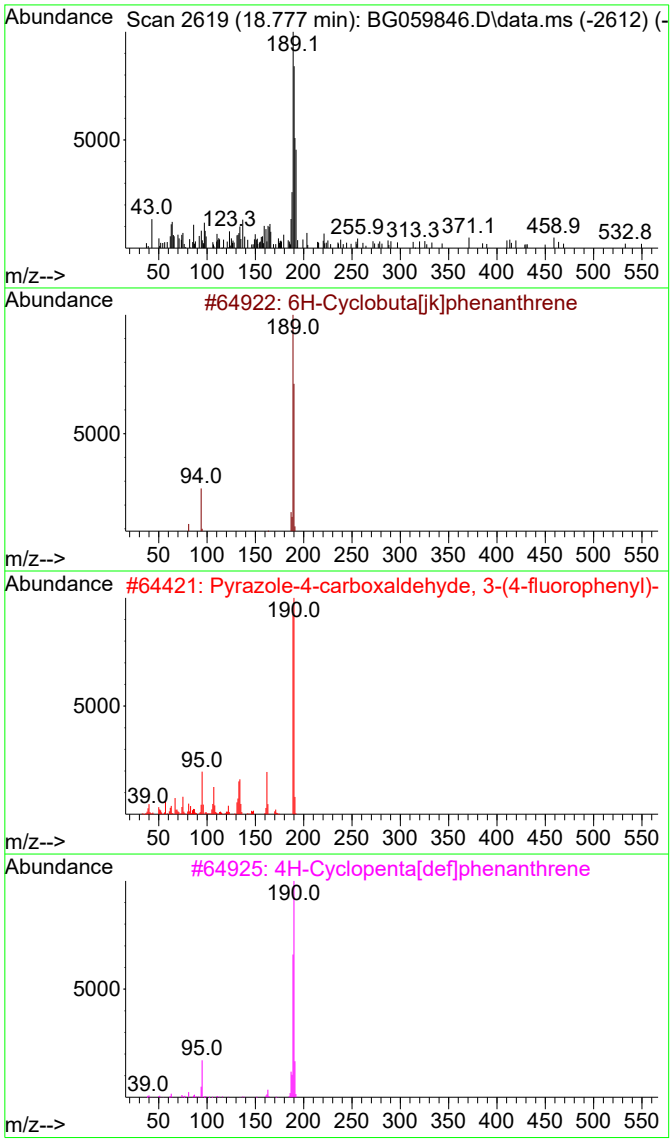
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

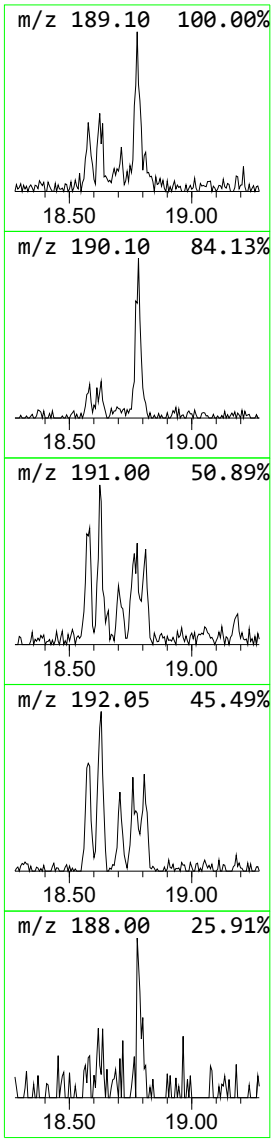
****

Peak Number 5 6H-Cyclobuta[jk]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.777	3.55 ng	115887	Phenanthrene-d10	17.713

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	52
2	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	43
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	38
4	2-Chloro-4,6-difluoroaniline, N,...	191	C8H8ClF2N	943830-85-1	38
5	6,7-Methylenedioxy-4(3H)-quinazo...	190	C9H6N2O3	028310-11-4	38





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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.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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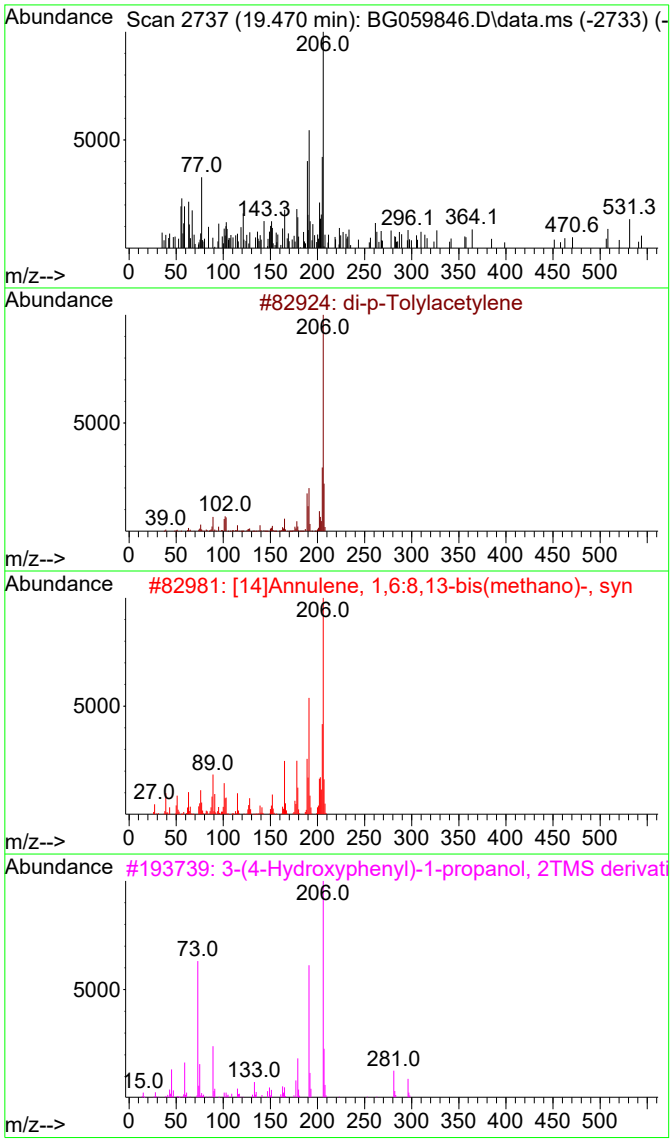
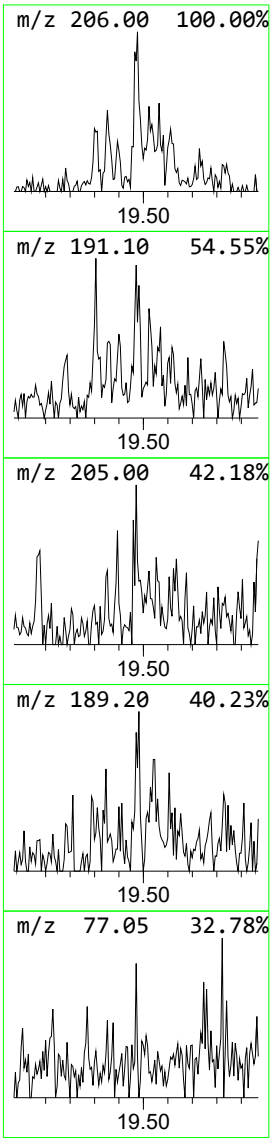
Peak Number 6 di-p-Tolylacetylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.470	2.14 ng	69907	Phenanthrene-d10	17.713

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	76
2	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	68
3	3-(4-Hydroxyphenyl)-1-propanol, ...	296	C15H28O2Si2	959097-63-3	64
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	64
5	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	62





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ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.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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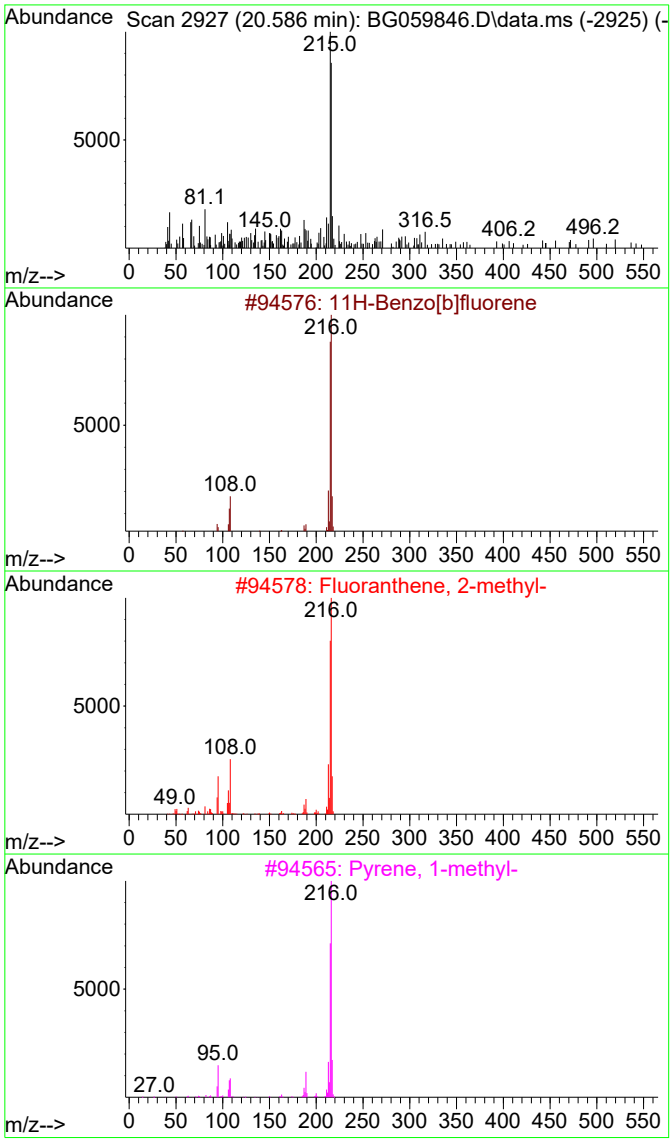
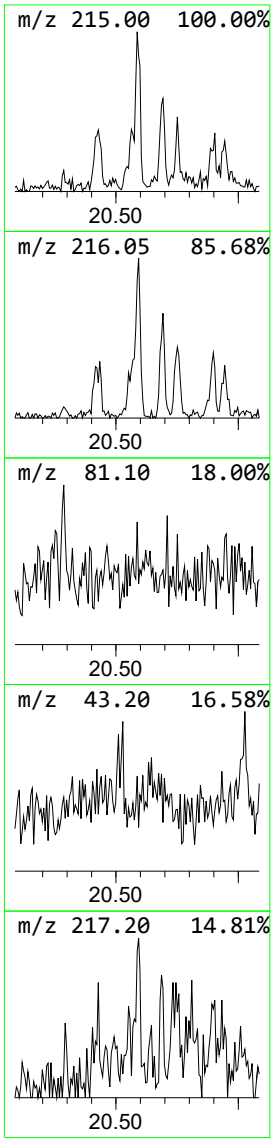
Peak Number 7 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.586	2.13 ng	81158	Chrysene-d12	22.038

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	49
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	49
4	Benzoic acid, 3-(5-formyl-2-furyl)-	216	C12H8O4	304884-54-6	43
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
Data File : BG059846.D
Acq On : 23 Nov 2023 10:37
Operator : MA/JU
Sample : 05445-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SOIL-3-1115

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.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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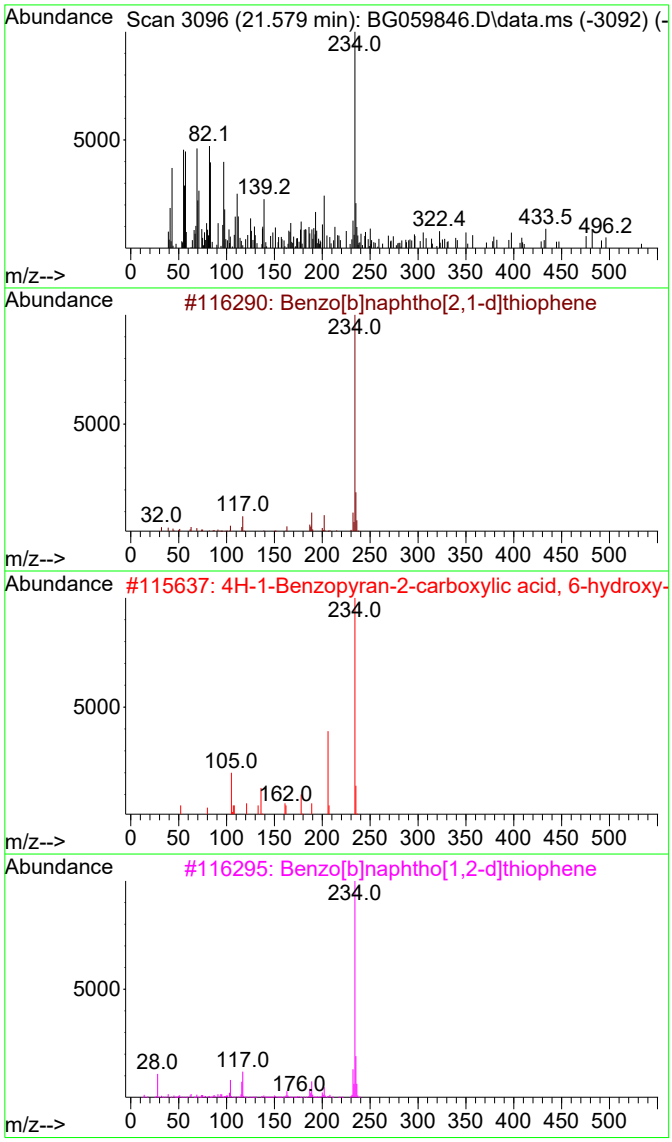
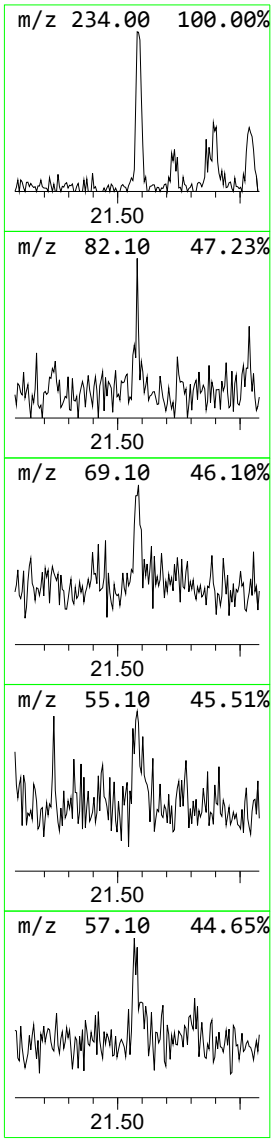
Peak Number 8 unknown21.579 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.579	3.44 ng	131035	Chrysene-d12	22.038

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	49
2	4H-1-Benzopyran-2-carboxylic aci...	234	C12H10O5	028466-95-7	46
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	46
4	4-Methyl-6-methylthio-8-nitroqui...	234	C11H10N2O2S	1000213-15-8	46
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
Data File : BG059846.D
Acq On : 23 Nov 2023 10:37
Operator : MA/JU
Sample : 05445-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SOIL-3-1115

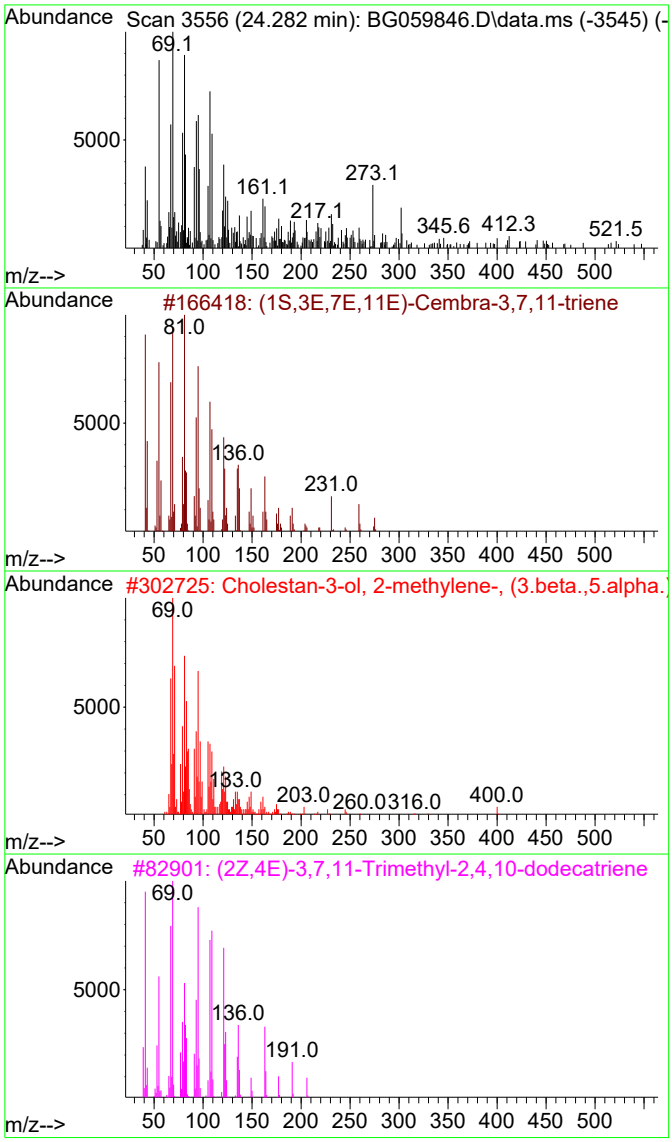
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

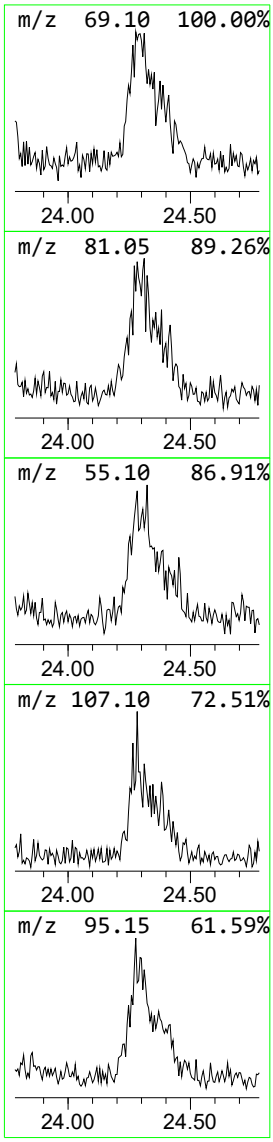
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (1S,3E,7E,11E)-Cembra-3,7,1... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.282	19.76 ng	453528	Perylene-d12	25.628

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1S,3E,7E,11E)-Cembra-3,7,11-triene	274	C20H34	1000432-97-5	93
2	Cholestan-3-ol, 2-methylene-, (3...	400	C28H48O	022599-96-8	76
3	(2Z,4E)-3,7,11-Trimethyl-2,4,10-...	206	C15H26	172549-29-0	52
4	1,8,11-Heptadecatriene, (Z,Z)-	234	C17H30	056134-03-3	46
5	6-(3-Bromopropyl)-2(1H)-pyridinone	215	C8H10BrNO	101773-69-7	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112223\
Data File : BG059846.D
Acq On : 23 Nov 2023 10:37
Operator : MA/JU
Sample : 05445-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SOIL-3-1115

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.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
5H-Indeno[1,2-b...	18.125	2.1	ng	68276	4	17.713	652706	20.0
n-Hexadecanoic ...	18.524	4.5	ng	147380	4	17.713	652706	20.0
2,7-Diazido-9H-...	18.577	2.4	ng	78720	4	17.713	652706	20.0
Phenanthrene, 4...	18.624	3.9	ng	126391	4	17.713	652706	20.0
6H-Cyclobuta[jk...	18.777	3.5	ng	115887	4	17.713	652706	20.0
di-p-Tolylacety...	19.470	2.1	ng	69907	4	17.713	652706	20.0
11H-Benzo[b]flu...	20.586	2.1	ng	81158	5	22.038	760805	20.0
unknown21.579	21.579	3.4	ng	131035	5	22.038	760805	20.0
(1S,3E,7E,11E)-...	24.282	19.8	ng	453528	6	25.628	458931	20.0