LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071024\
Data File : BF138507.D
Acq On : 10 Jul 2024 18:14
Operator : CG\JU
Sample : P3170-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-1

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_F\Methods\8270-BF070924.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF138507.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.175	7	15	20	rBV	1688984	2219511	95.98%	9.337%
2	3.393	220	222	235	rBV	30970	74040	3.20%	0.311%
3	5.087	506	510	516	rVB	146756	169473	7.33%	0.713%
4	5.492	575	579	582	rBV	2362922	2106856	91.11%	8.863%
5	6.498	745	750	753	rBV	2330336	2155357	93.20%	9.067%
6	6.863	808	812	816	rBV	681364	532119	23.01%	2.239%
7	7.428	903	908	911	rBV	1530804	1431913	61.92%	6.024%
8	8.145	1025	1030	1033	rBV	810653	663151	28.68%	2.790%
9	8.451	1078	1082	1086	rBV	38776	43100	1.86%	0.181%
10	9.028	1176	1180	1182	rBV3	41368	59287	2.56%	0.249%
11	9.098	1190	1192	1194	rBV3	40030	47597	2.06%	0.200%
12	9.139	1196	1199	1200	rVV3	73151	66109	2.86%	0.278%
13	9.163	1200	1203	1207	rVB4	47112	52627	2.28%	0.221%
14	9.222	1207	1213	1216	rBV	2684200	2312505	100.00%	9.728%
15	9.263	1216	1220	1222	rBV2	40872	50712	2.19%	0.213%
16	9.298	1222	1226	1229	rBV	215492	268181	11.60%	1.128%
17	9.492	1257	1259	1261	rBV2	90701	97795	4.23%	0.411%
18	9.604	1276	1278	1283	rBV2	648403	783365	33.88%	3.295%
19	9.663	1286	1288	1292	rVB2	264250	305453	13.21%	1.285%
20	9.763	1302	1305	1308	rBV2	709857	804111	34.77%	3.383%
21	9.810	1310	1313	1316	rVB	1427951	1329660	57.50%	5.594%
22	9.851	1317	1320	1322	rBV2	389450	405118	17.52%	1.704%
23	9.880	1323	1325	1326	rVV2	410588	372906	16.13%	1.569%
24	9.898	1326	1328	1332	rVB	843169	808491	34.96%	3.401%
25	9.945	1332	1336	1338	rBV2	430665	654233	28.29%	2.752%
26	10.157	1370	1372	1375	rBV3	487771	543703	23.51%	2.287%
27	10.239	1384	1386	1389	rVB3	419054	282697	12.22%	1.189%
28	10.310	1396	1398	1402	rBV	924417	784943	33.94%	3.302%
29	10.692	1461	1463	1466	rBV	714508	652126	28.20%	2.743%
30	10.822	1483	1485	1488	rVB	735160	665566	28.78%	2.800%
31	11.398	1581	1583	1587	rBV3	634805	596566	25.80%	2.510%
32	12.974	1848	1851	1855	rVB	1503910	1386000	59.94%	5.831%
33	14.027	2027	2030	2037	rVB	501176	547124	23.66%	2.302%
34	15.486	2273	2278	2289	rVB	392737	498707	21.57%	2.098%

Sum of corrected areas: 23771102

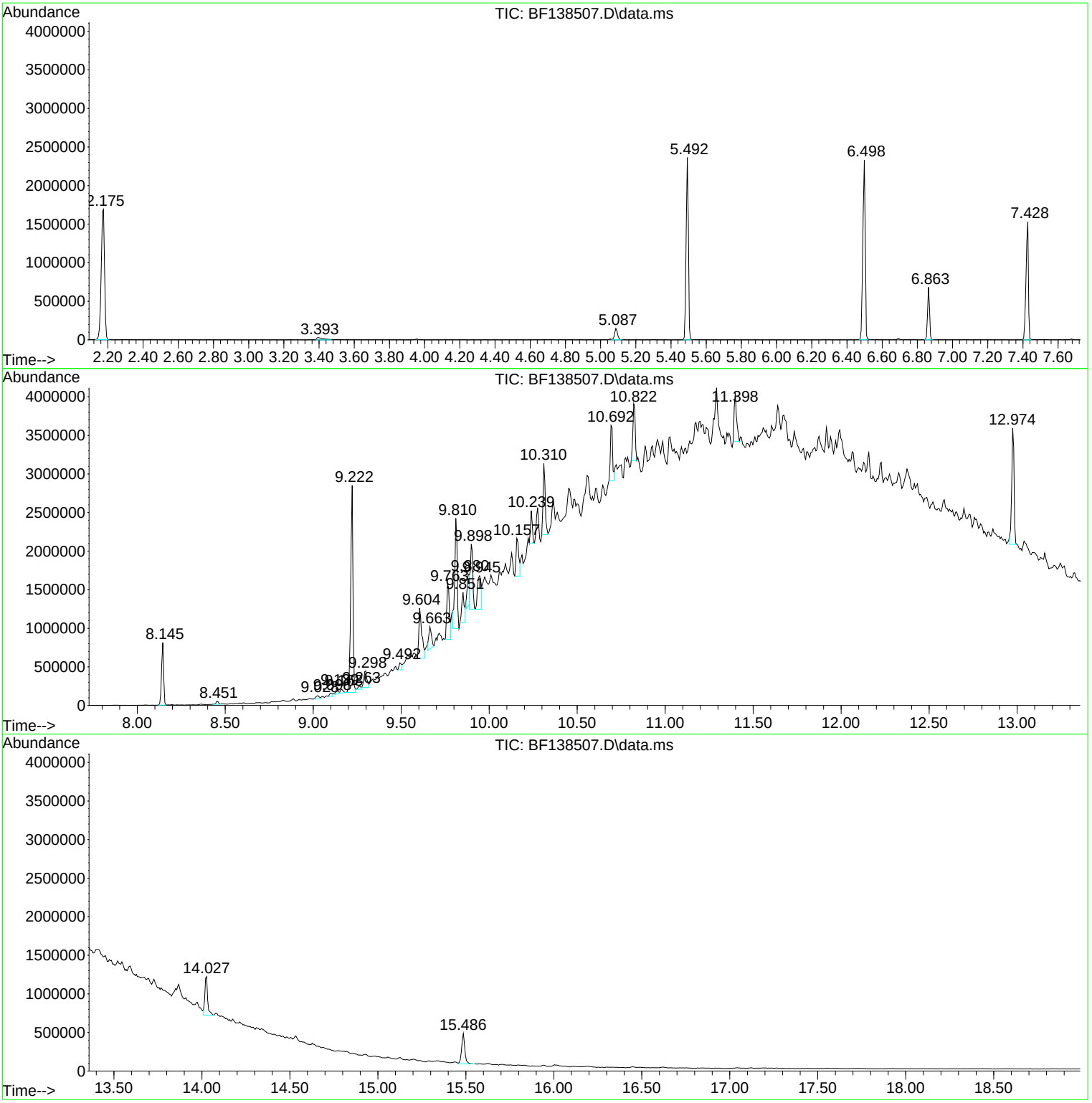
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071024\
Data File : BF138507.D
Acq On : 10 Jul 2024 18:14
Operator : CG\JU
Sample : P3170-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.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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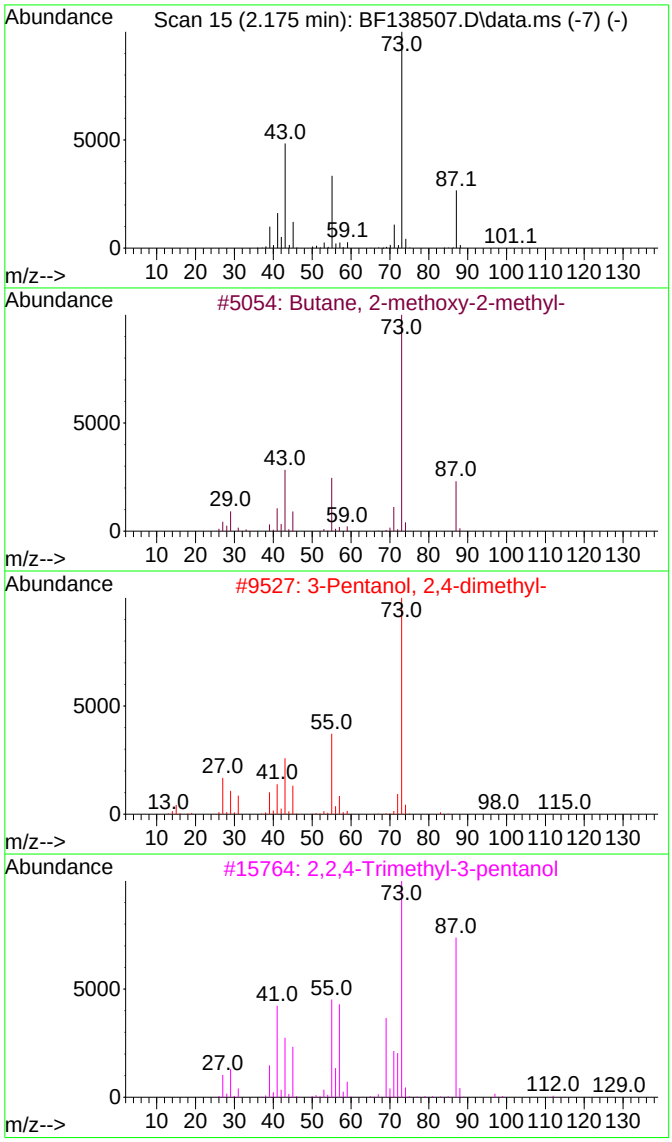
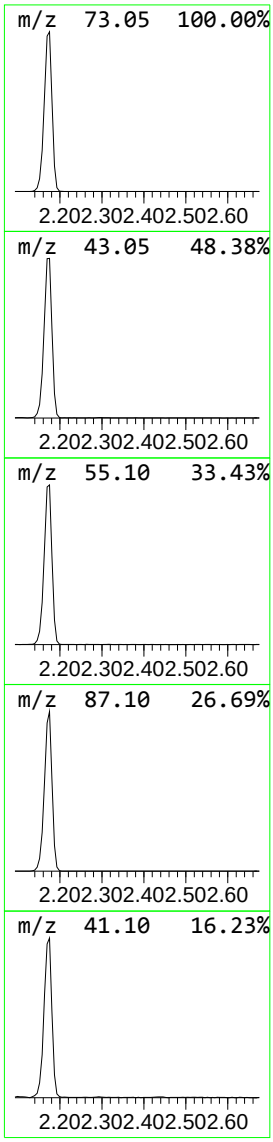
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.175	83.42 ng	2219510	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	43
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	38
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23





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Operator : CG\JU
Sample : P3170-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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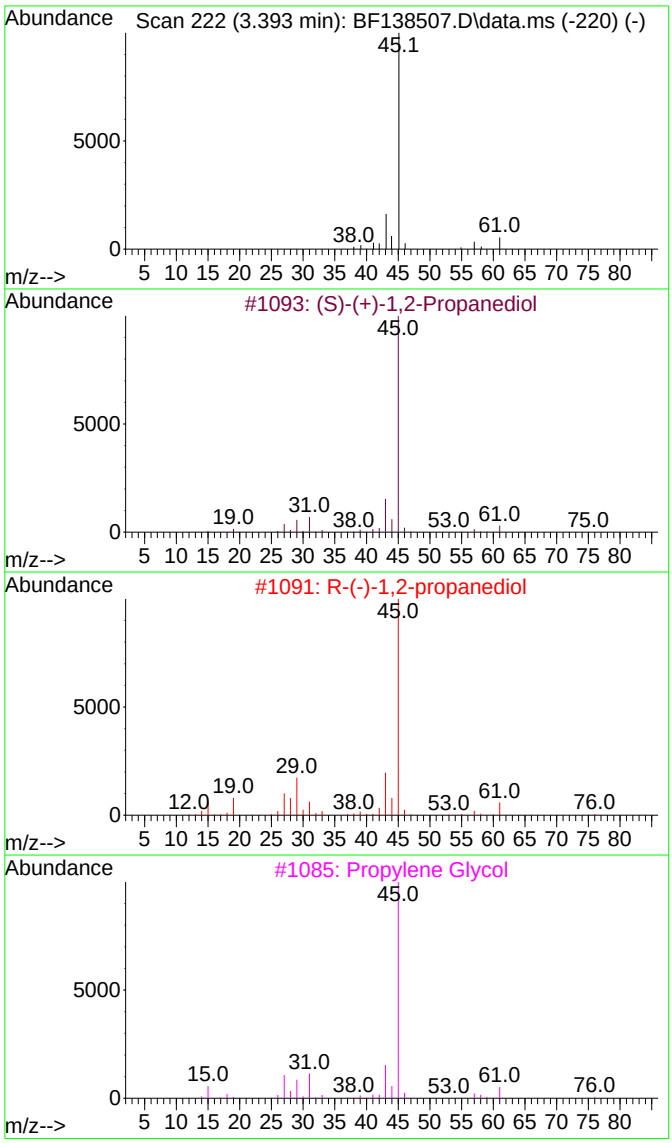
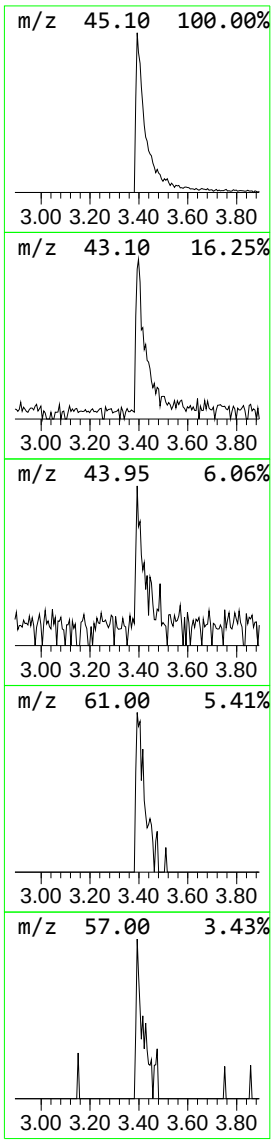
Peak Number 2 (S)-(+)-1,2-Propanediol Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.393	2.78 ng	74040	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(S)-(+)-1,2-Propanediol	76	C3H8O2	004254-15-3	64
2	R-(-)-1,2-propanediol	76	C3H8O2	004254-14-2	64
3	Propylene Glycol	76	C3H8O2	000057-55-6	64
4	2-Butanol, (R)-	74	C4H10O	014898-79-4	9
5	Formamide	45	CH3NO	000075-12-7	7





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Sample : P3170-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-1

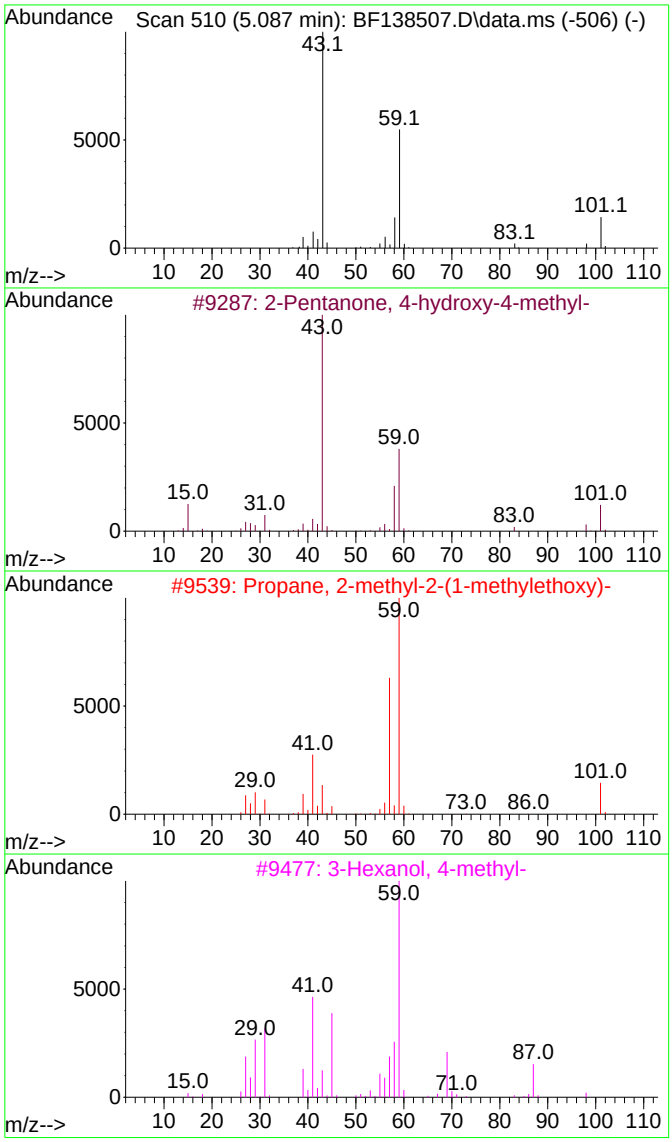
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

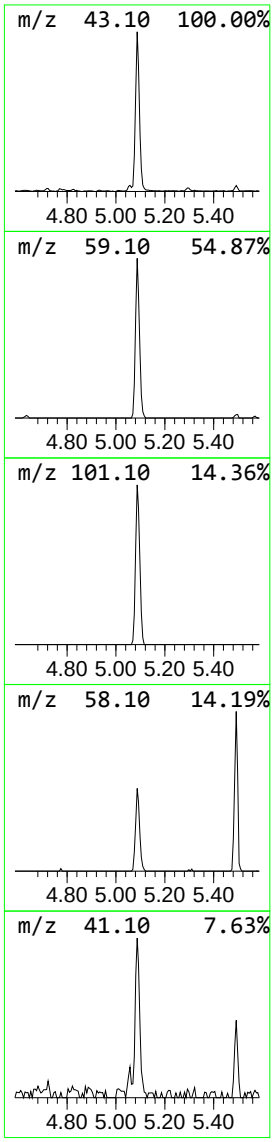
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.087	6.37 ng	169473	1,4-Dichlorobenzene-d4	6.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	53
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





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Operator : CG\JU
Sample : P3170-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-1

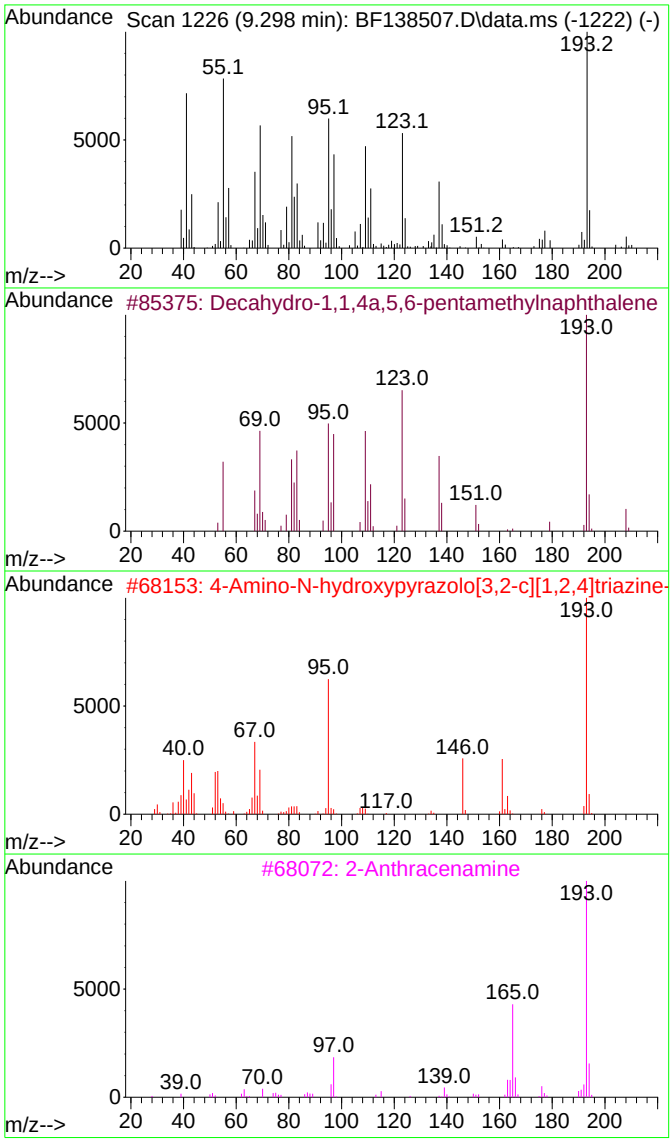
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

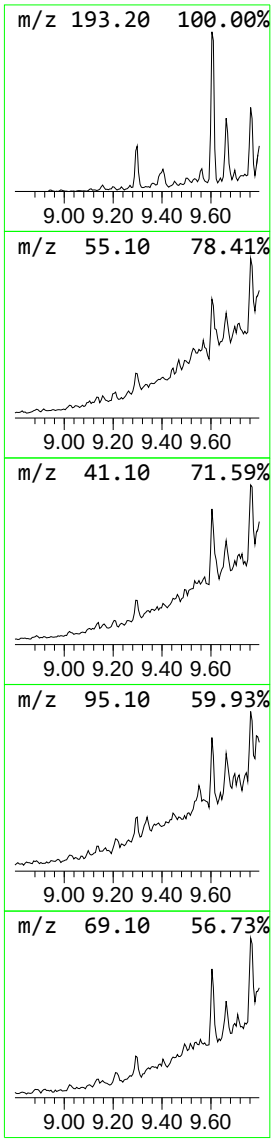
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Decahydro-1,1,4a,5,6-pentam... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.298	6.63 ng	268181	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-1,1,4a,5,6-pentamethyl...	208	C15H28	080655-44-3	90
2	4-Amino-N-hydroxypyrazolo[3,2-c]...	193	C6H7N7O	1000443-50-2	30
3	2-Anthracenamine	193	C14H11N	000613-13-8	27
4	9-Phenanthrenamine	193	C14H11N	000947-73-9	22
5	Benzo[f]quinoline, 2-methyl-	193	C14H11N	039258-30-5	18





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Sample : P3170-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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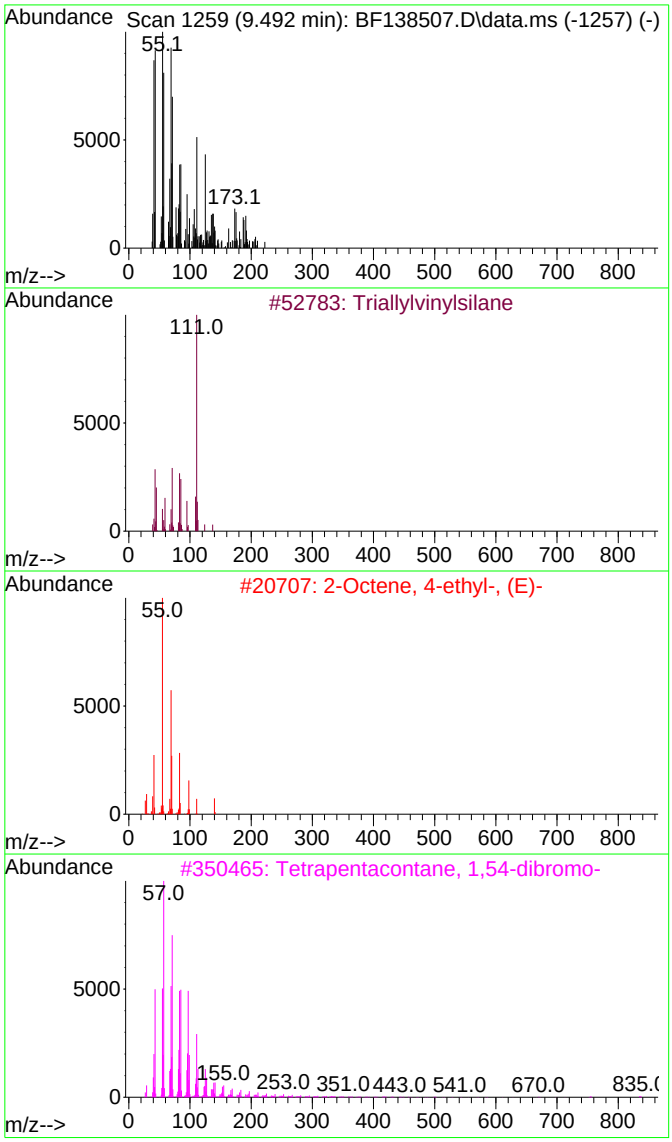
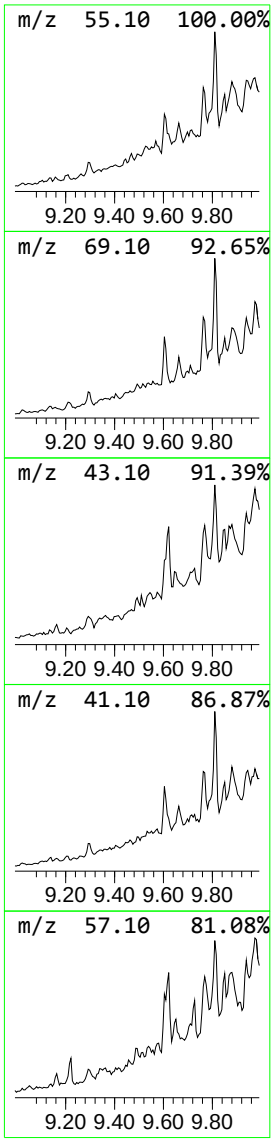
Peak Number 5 unknown9.492 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.492	2.42 ng	97795	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triallylvinylsilane	178	C11H18Si	017988-47-5	35
2	2-Octene, 4-ethyl-, (E)-	140	C10H20	074630-09-4	35
3	Tetrapentacontane, 1,54-dibromo-	915	C54H108Br2	1000156-09-4	30
4	Dodecane, 4-methyl-	184	C13H28	006117-97-1	25
5	Nonane, 1,9-dibromo-	284	C9H18Br2	004549-33-1	22





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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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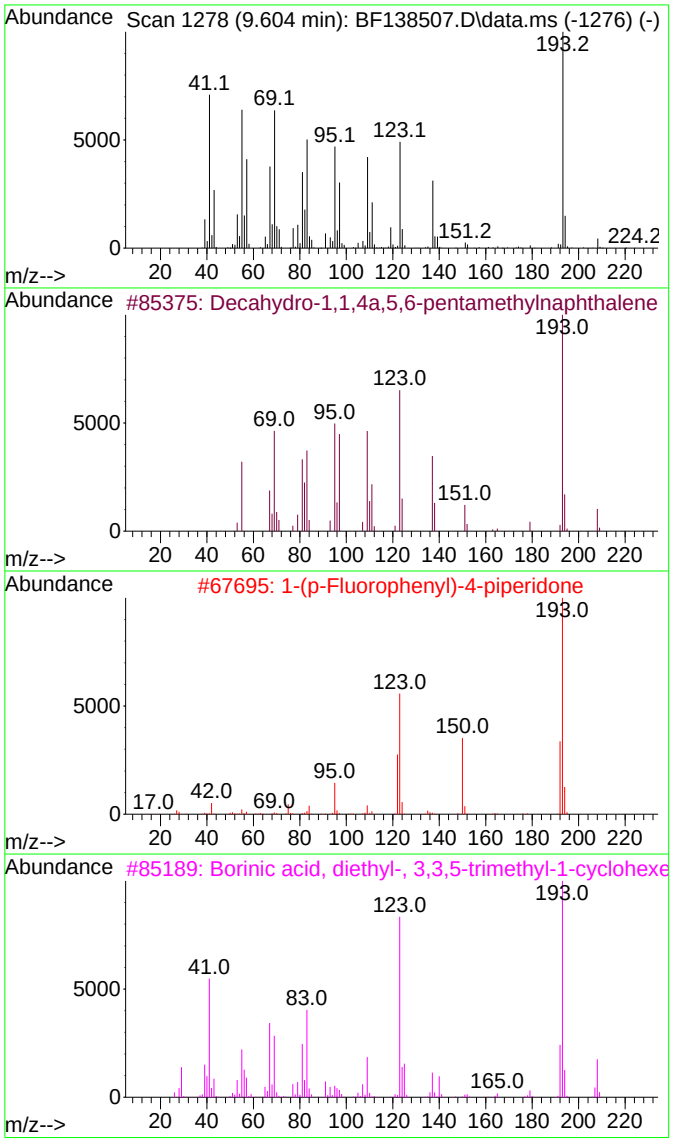
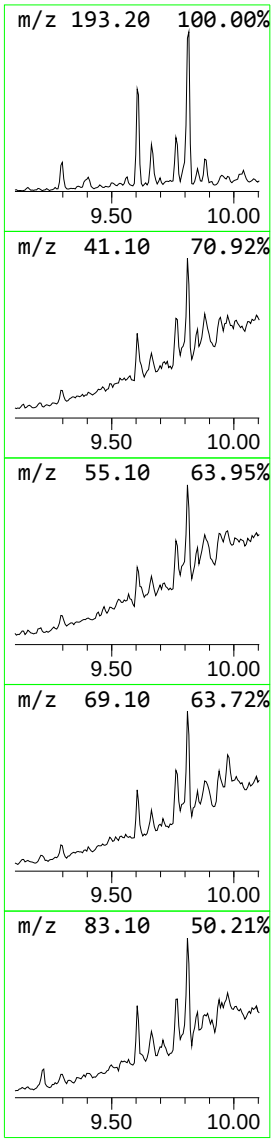
****

Peak Number 6 unknown9.604 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.604	19.38 ng	783365	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-1,1,4a,5,6-pentamethyl...	208	C15H28	080655-44-3	38
2	1-(p-Fluorophenyl)-4-piperidone	193	C11H12FNO	1000238-56-7	38
3	Borinic acid, diethyl-, 3,3,5-tr...	208	C13H25BO	057387-76-5	32
4	4H-1,3,2-Dioxaborin, 4-ethenyl-2...	208	C12H21BO2	074630-04-9	25
5	Butan-2-one, 1-[3-(3,3-dimethyl-...	278	C16H26N2O2	1000303-34-2	22





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Acq On : 10 Jul 2024 18:14
Operator : CG\JU
Sample : P3170-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-1

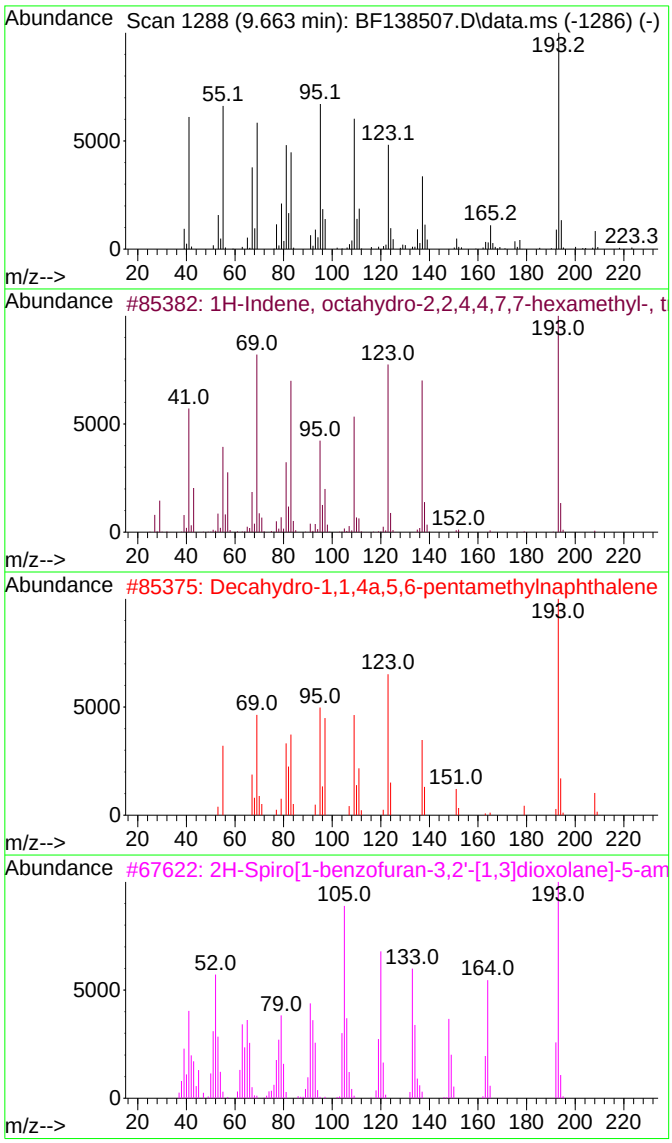
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

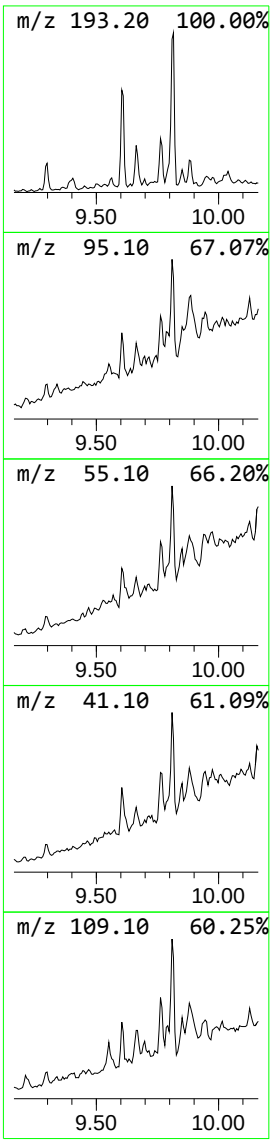
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1H-Indene, octahydro-2,2,4,... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.663	7.56 ng	305453	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, octahydro-2,2,4,4,7,7...	208	C15H28	054832-83-6	50
2	Decahydro-1,1,4a,5,6-pentamethyl...	208	C15H28	080655-44-3	49
3	2H-Spiro[1-benzofuran-3,2'-[1,3]...	193	C10H11NO3	1000387-33-4	35
4	Acetylene, 1-(2-aminophenyl)-2-p...	193	C14H11N	1000380-73-4	27
5	Naphthalene, decahydro-1,8a-dime...	208	C15H28	015404-63-4	27





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TIC Library : C:\Database\NIST20.L
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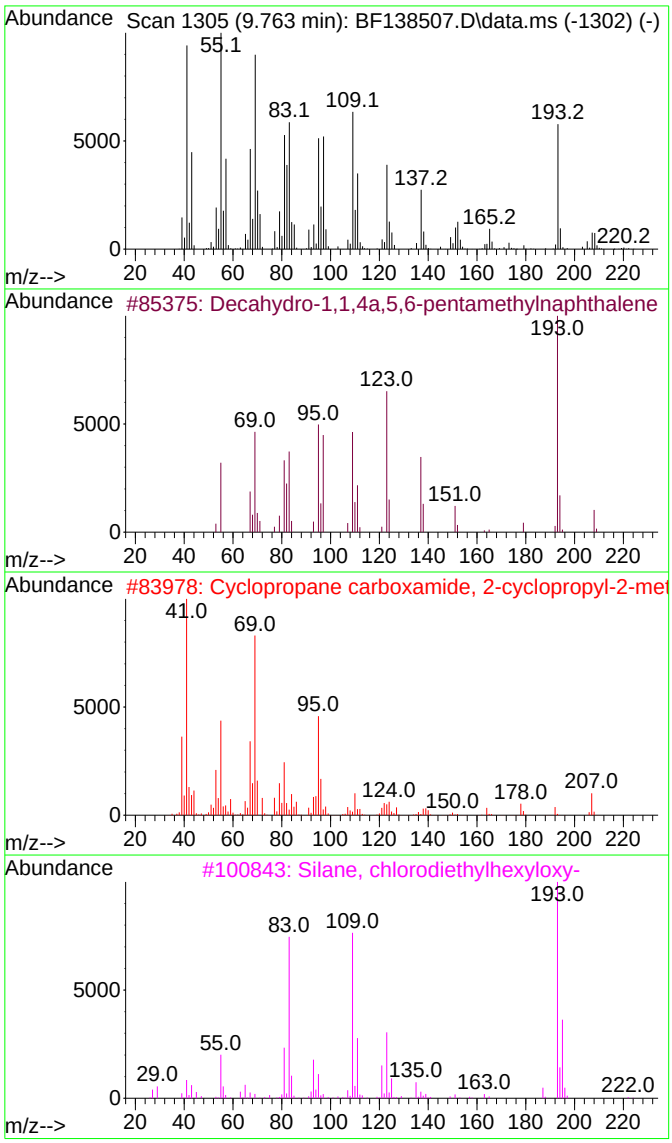
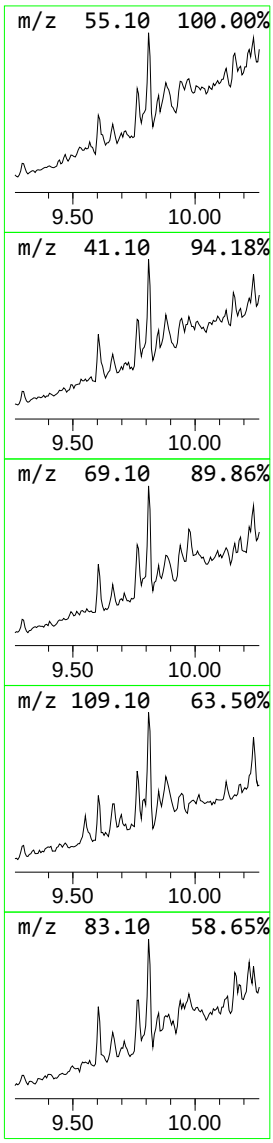
Peak Number 8 unknown9.763 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.763	19.89 ng	804111	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-1,1,4a,5,6-pentamethyl...	208	C15H28	080655-44-3	60
2	Cyclopropane carboxamide, 2-cycl...	207	C13H21NO	331416-19-4	38
3	Silane, chlorodiethylhexyloxy-	222	C10H23ClOSi	1000363-74-4	35
4	2-Pentanone, 4-cyclohexylidene-3...	222	C15H26O	313253-65-5	30
5	1,7-Dimethyl-4-(1-methylethyl)cy...	210	C15H30	000645-10-3	27





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Sample : P3170-01
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Instrument :
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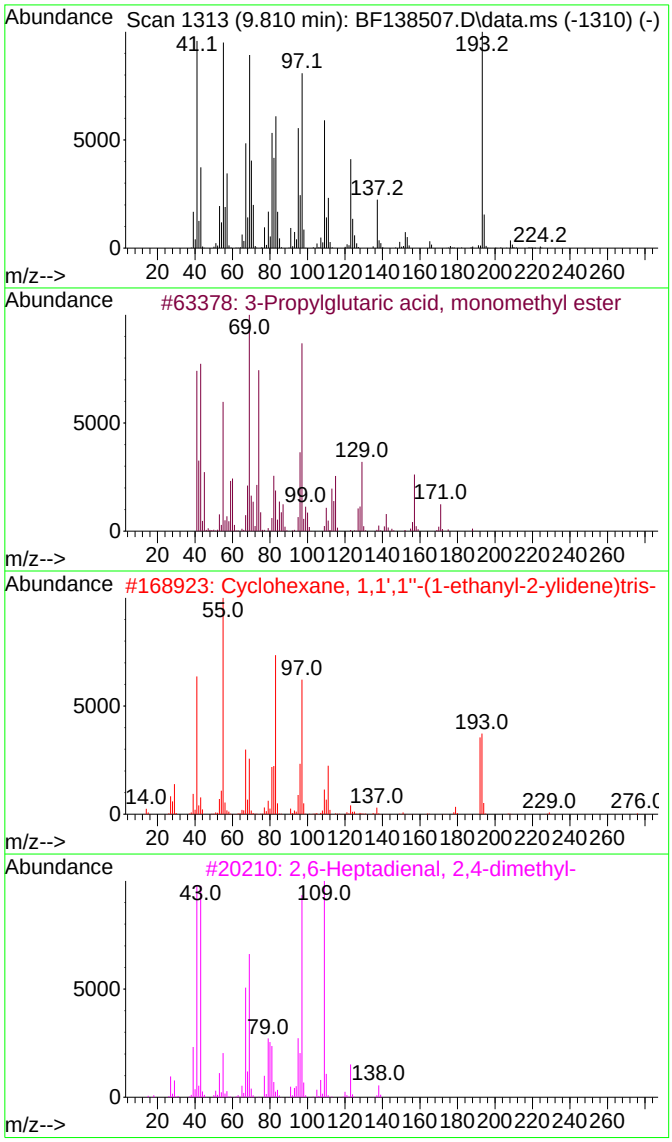
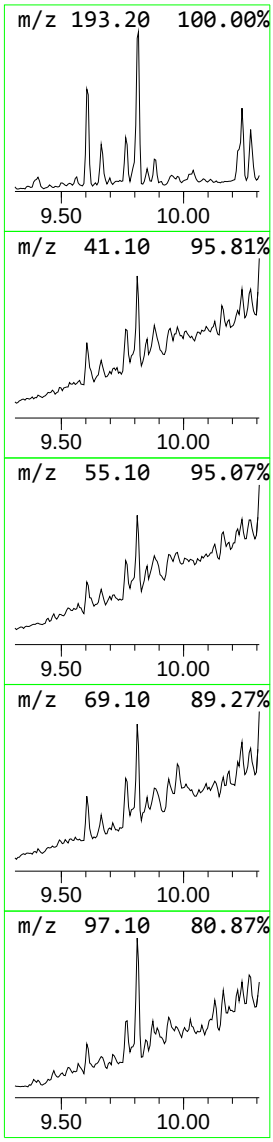
Peak Number 9 unknown9.810 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.810	32.89 ng	1329660	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Propylglutaric acid, monomethy...	188	C9H16O4	1000254-25-9	27
2	Cyclohexane, 1,1',1''-(1-ethanyl...	276	C20H36	055682-86-5	27
3	2,6-Heptadienal, 2,4-dimethyl-	138	C9H14O	085136-08-9	25
4	Cyclopentanecarboxylic acid, 3-p...	324	C21H40O2	1000280-59-1	22
5	3-Heptene, 4-propyl-	140	C10H20	004485-13-6	22





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Acq On : 10 Jul 2024 18:14
Operator : CG\JU
Sample : P3170-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.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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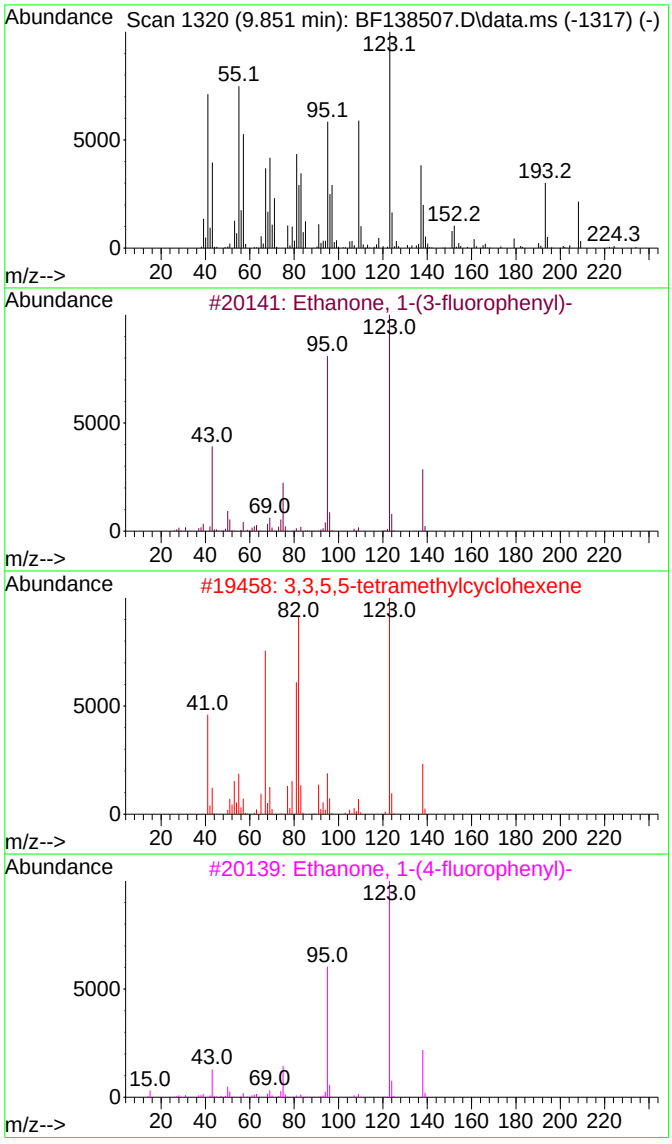
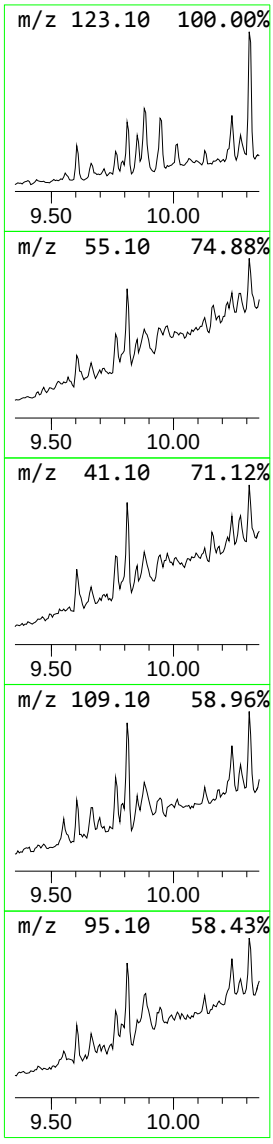
Peak Number 10 unknown9.851 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.851	10.02 ng	405118	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(3-fluorophenyl)-	138	C8H7FO	000455-36-7	38
2	3,3,5,5-tetramethylcyclohexene	138	C10H18	1000510-60-7	38
3	Ethanone, 1-(4-fluorophenyl)-	138	C8H7FO	000403-42-9	35
4	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	000473-19-8	27
5	1-Propanone, 1-(4-fluorophenyl)-	152	C9H9FO	000456-03-1	27





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Acq On : 10 Jul 2024 18:14
Operator : CG\JU
Sample : P3170-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.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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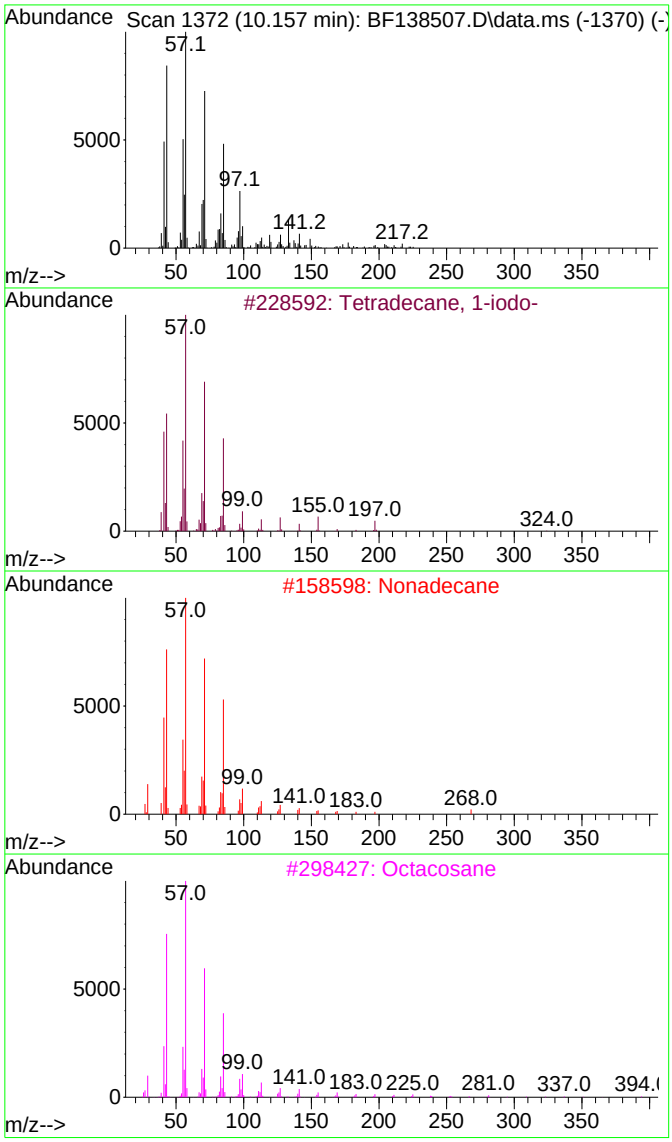
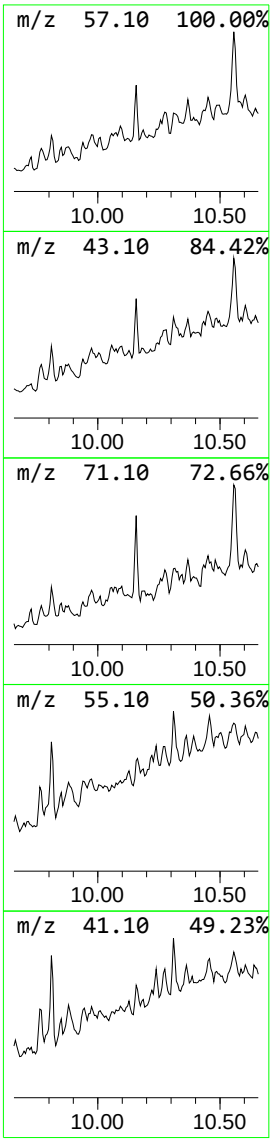
Peak Number 11 Tetradecane, 1-iodo- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.157	13.45 ng	543703	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	64
2	Nonadecane	268	C19H40	000629-92-5	58
3	Octacosane	394	C28H58	000630-02-4	58
4	Tetracosane	338	C24H50	000646-31-1	58
5	Dodecane, 4-methyl-	184	C13H28	006117-97-1	55





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Acq On : 10 Jul 2024 18:14
Operator : CG\JU
Sample : P3170-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.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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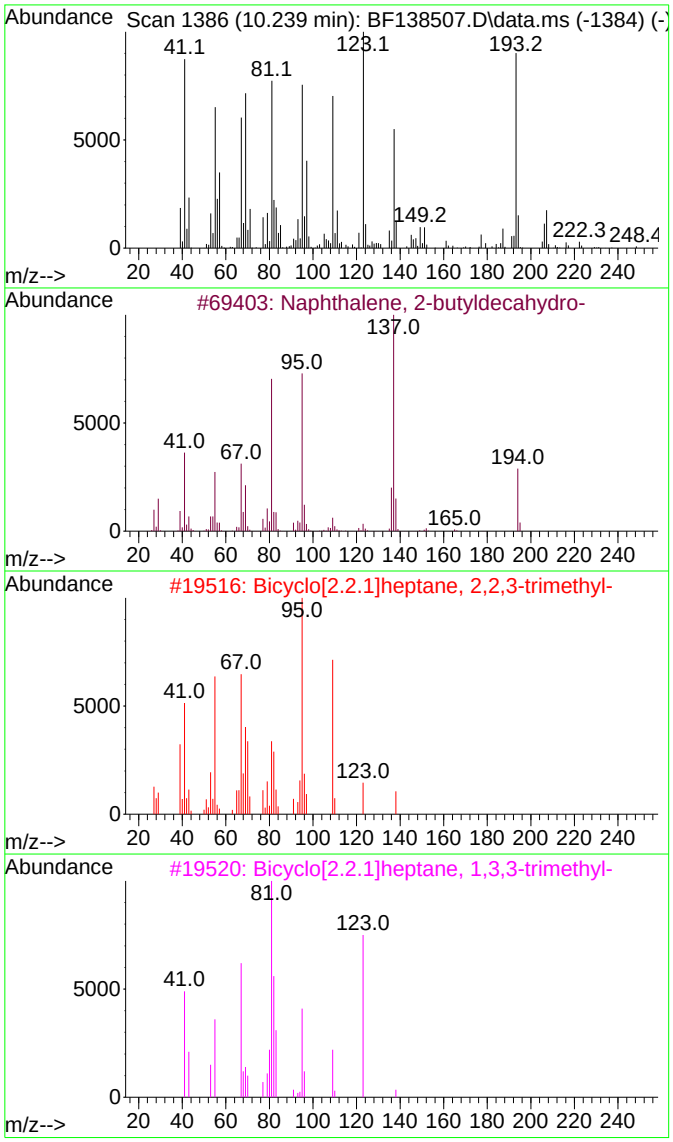
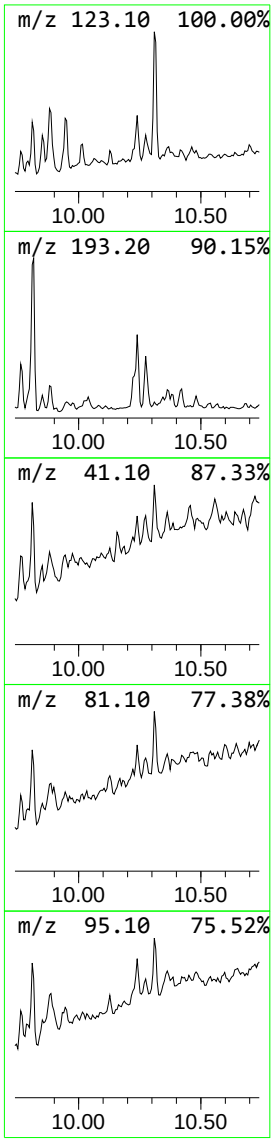
Peak Number 12 unknown10.239 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.239	6.99 ng	282697	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-butyldecahydro-	194	C14H26	006305-52-8	43
2	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	000473-19-8	38
3	Bicyclo[2.2.1]heptane, 1,3,3-tri...	138	C10H18	006248-88-0	38
4	Bicyclo[6.1.0]nonane, 9-bromo-9-...	216	C10H17Br	059474-03-2	38
5	1H-Indene, octahydro-2,2,4,4,7,7...	208	C15H28	054832-83-6	35





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Data File : BF138507.D
Acq On : 10 Jul 2024 18:14
Operator : CG\JU
Sample : P3170-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.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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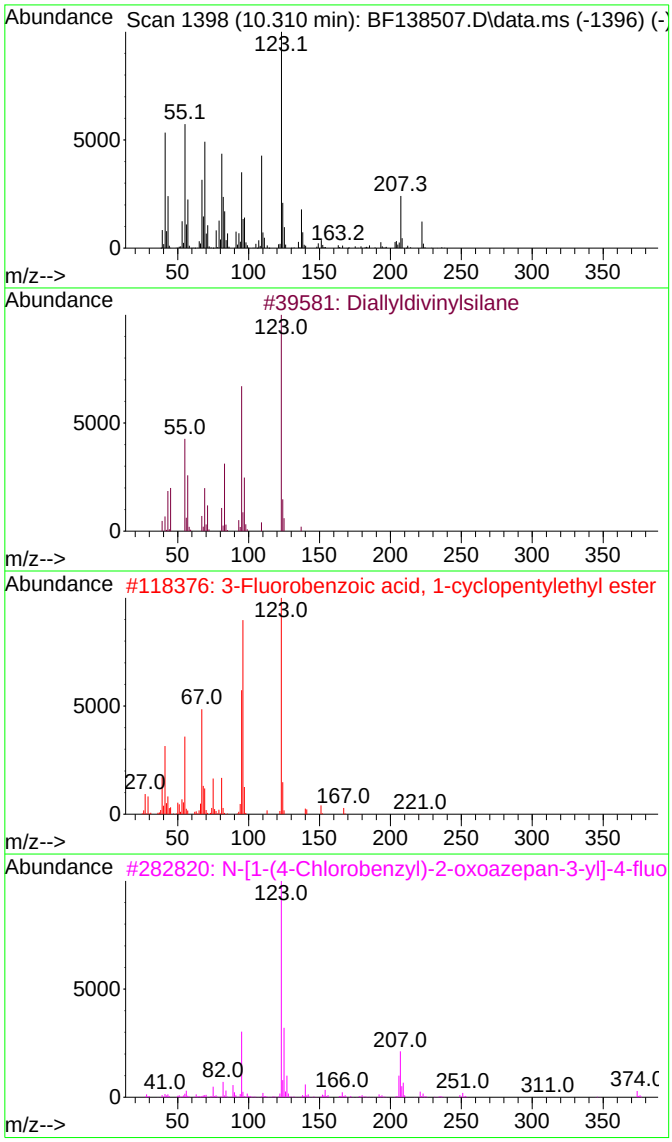
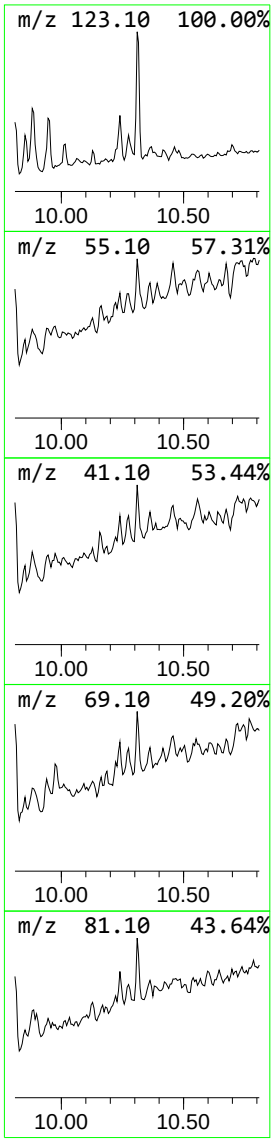
Peak Number 13 unknown10.310 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.310	19.42 ng	784943	Acenaphthene-d10	9.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diallyldivinylsilane	164	C10H16Si	119901-88-1	47
2	3-Fluorobenzoic acid, 1-cyclopen...	236	C14H17FO2	1000279-04-7	43
3	N-[1-(4-Chlorobenzyl)-2-oxoazepa...	374	C20H20ClFN2O2	1000481-70-9	43
4	Pentanamide, N-(4-methoxyphenyl)-	207	C12H17NO2	1000306-89-3	38
5	Benzamide, 3-fluoro-N-(2-phenyle...	313	C20H24FNO	1000451-30-5	38





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Data File : BF138507.D
Acq On : 10 Jul 2024 18:14
Operator : CG\JU
Sample : P3170-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.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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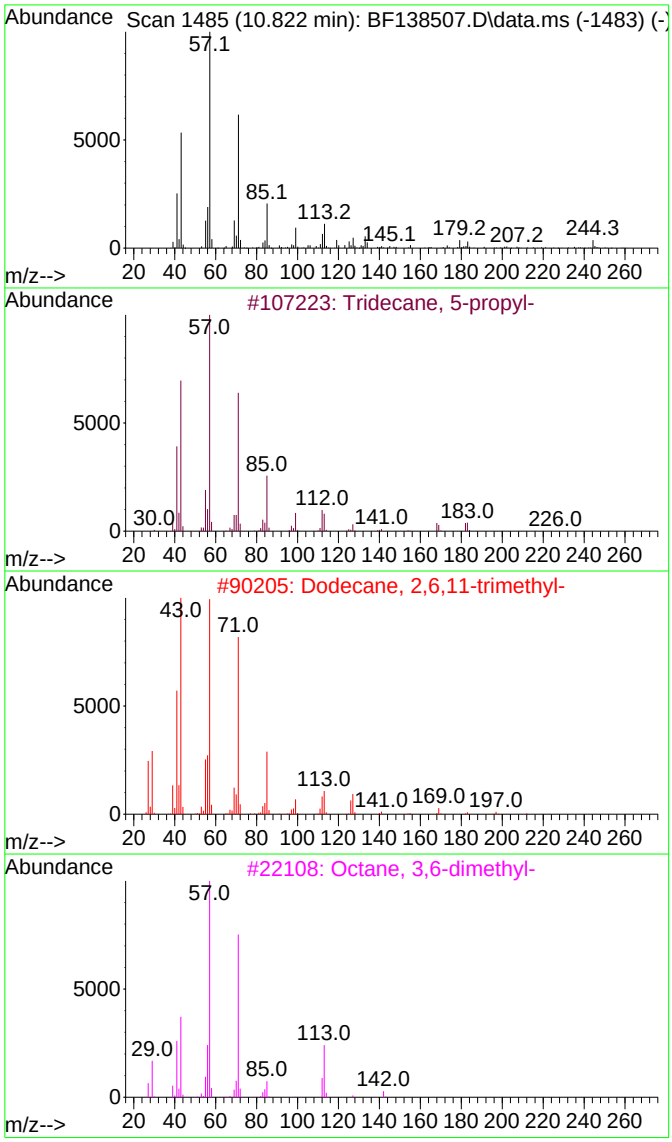
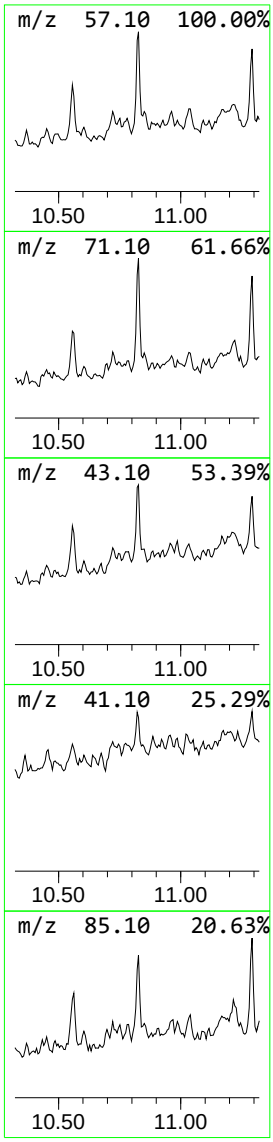
Peak Number 14 Tridecane, 5-propyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.822	22.31 ng	665566	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	89
2	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	80
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	64
4	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	58
5	Tridecane, 3-ethyl-	212	C15H32	013286-73-2	52





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071024\
Data File : BF138507.D
Acq On : 10 Jul 2024 18:14
Operator : CG\JU
Sample : P3170-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMS-1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.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...	2.175	83.4	ng	2219510	1	6.863	532119	20.0
(S)-(+)-1,2-Pro...	3.393	2.8	ng	74040	1	6.863	532119	20.0
2-Pentanone, 4-...	5.087	6.4	ng	169473	1	6.863	532119	20.0
Decahydro-1,1,4...	9.298	6.6	ng	268181	3	9.904	808491	20.0
unknown9.492	9.492	2.4	ng	97795	3	9.904	808491	20.0
unknown9.604	9.604	19.4	ng	783365	3	9.904	808491	20.0
1H-Indene, octa...	9.663	7.6	ng	305453	3	9.904	808491	20.0
unknown9.763	9.763	19.9	ng	804111	3	9.904	808491	20.0
unknown9.810	9.810	32.9	ng	1329660	3	9.904	808491	20.0
unknown9.851	9.851	10.0	ng	405118	3	9.904	808491	20.0
Tetradecane, 1-...	10.157	13.4	ng	543703	3	9.904	808491	20.0
unknown10.239	10.239	7.0	ng	282697	3	9.904	808491	20.0
unknown10.310	10.310	19.4	ng	784943	3	9.904	808491	20.0
Tridecane, 5-pr...	10.822	22.3	ng	665566	4	11.398	596566	20.0