

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120918\
 Data File : BF111241.D
 Acq On : 10 Dec 2018 14:40
 Operator : JU/SJ
 Sample : J6243-06 20X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OILY-WATER-B

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

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-BF120818.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.404	560	564	570	rBV	351442	335944	1.47%	0.308%
2	6.563	757	761	770	rBV	721339	642719	2.80%	0.588%
3	6.798	797	801	805	rBV	3605703	2974715	12.98%	2.724%
4	6.951	820	827	831	rBV	707991	640561	2.80%	0.587%
5	7.351	889	895	899	rBV	571965	480549	2.10%	0.440%
6	8.081	1014	1019	1022	rBV	4840288	4049579	17.67%	3.708%
7	9.116	1192	1195	1198	rVB	468323	335787	1.47%	0.307%
8	9.157	1198	1202	1205	rBV	1116210	925207	4.04%	0.847%
9	9.251	1214	1218	1222	rBV3	349469	532691	2.32%	0.488%
10	9.416	1240	1246	1248	rBV7	161017	296109	1.29%	0.271%
11	9.504	1258	1261	1263	rBV2	276710	328220	1.43%	0.301%
12	9.551	1267	1269	1270	rBV	625602	489145	2.13%	0.448%
13	9.575	1270	1273	1275	rVV	1702853	1313901	5.73%	1.203%
14	9.675	1289	1290	1293	rVB2	380268	261299	1.14%	0.239%
15	9.722	1293	1298	1299	rBV4	650200	894096	3.90%	0.819%
16	9.757	1301	1304	1306	rBV	1186961	986971	4.31%	0.904%
17	9.781	1306	1308	1312	rBV4	535166	711548	3.11%	0.652%
18	9.839	1312	1318	1321	rBV	4427121	5210024	22.74%	4.771%
19	9.886	1324	1326	1328	rBV3	478990	459798	2.01%	0.421%
20	10.010	1344	1347	1350	rBV3	1050977	1479504	6.46%	1.355%
21	10.045	1350	1353	1355	rVV	1384713	1166068	5.09%	1.068%
22	10.110	1361	1364	1366	rBV	3147874	2773885	12.11%	2.540%
23	10.222	1380	1383	1386	rBV2	1540822	2505060	10.93%	2.294%
24	10.257	1386	1389	1391	rVV2	1931190	1627255	7.10%	1.490%
25	10.510	1428	1432	1436	rBV	10052205	11382368	49.67%	10.422%
26	10.622	1449	1451	1454	rVB2	2624578	2095669	9.15%	1.919%
27	10.786	1473	1479	1482	rBV	16105302	22914910	100.00%	20.982%
28	10.992	1512	1514	1517	rVB	4002481	3455999	15.08%	3.164%
29	11.251	1554	1558	1563	rVB	14699591	18624635	81.28%	17.053%
30	11.357	1573	1576	1578	rBV2	2789784	2947022	12.86%	2.698%
31	11.592	1613	1616	1619	rBV	4642722	4956553	21.63%	4.538%
32	12.322	1738	1740	1745	rVB	2929522	3423279	14.94%	3.134%
33	12.533	1774	1776	1780	rBV2	1556480	1862081	8.13%	1.705%
34	12.910	1838	1840	1845	rBV2	1473602	1782241	7.78%	1.632%

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF120918\
Data File : BF111241.D
Acq On : 10 Dec 2018 14:40
Operator : JU/SJ
Sample : J6243-06 20X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OILY-WATER-B

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-BF120818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.957	2015	2018	2021	rBV	2558874	2123534	9.27%	1.944%
36	15.392	2257	2262	2266	rVB	1874459	2224184	9.71%	2.037%

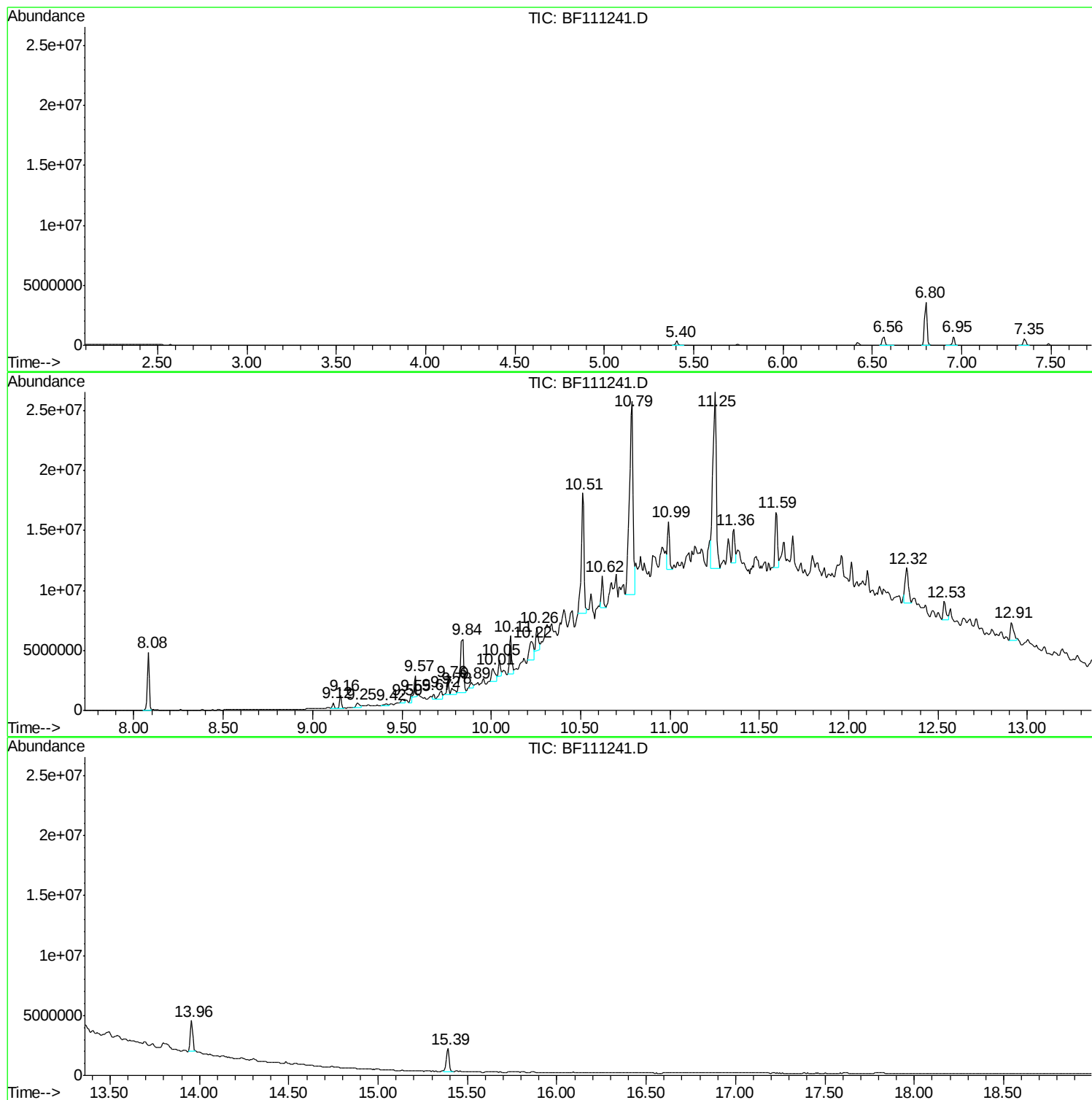
Sum of corrected areas: 109213110

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120918\
Data File : BF111241.D
Acq On : 10 Dec 2018 14:40
Operator : JU/SJ
Sample : J6243-06 20X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OILY-WATER-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120918\
Data File : BF111241.D
Acq On : 10 Dec 2018 14:40
Operator : JU/SJ
Sample : J6243-06 20X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OILY-WATER-B

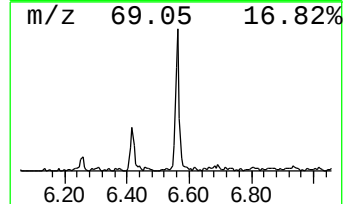
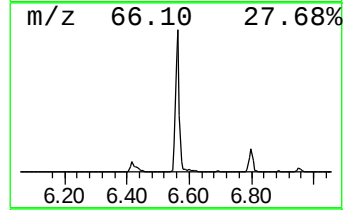
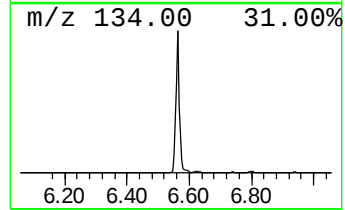
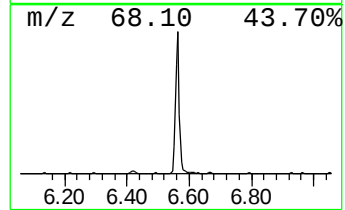
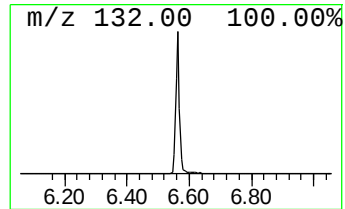
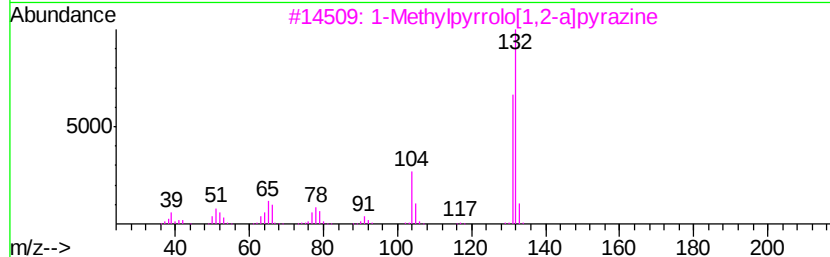
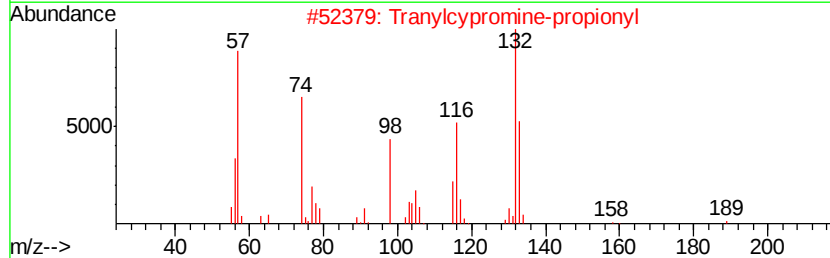
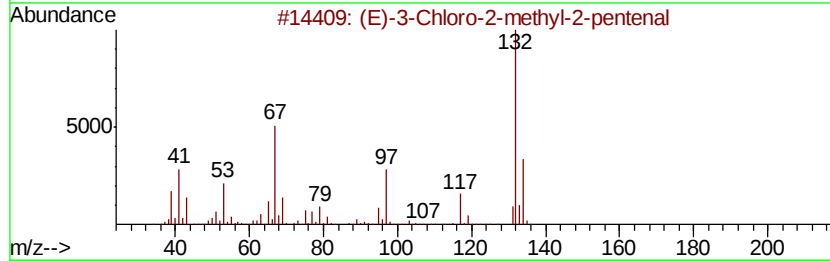
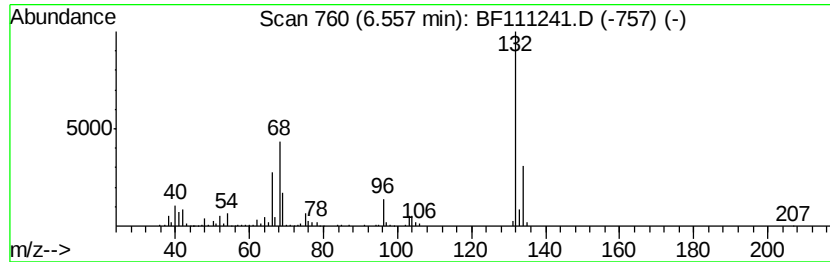
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 unknown6.56 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	4.32 ng	642719	1,4-Dichlorobenzene-d4	6.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3		1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
4		Xenon	132	Xe	007440-63-3	9
5		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120918\
Data File : BF111241.D
Acq On : 10 Dec 2018 14:40
Operator : JU/SJ
Sample : J6243-06 20X
Misc :
ALS Vial : 12 Sample Multiplier: 1

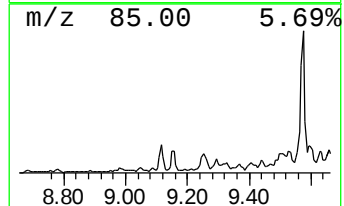
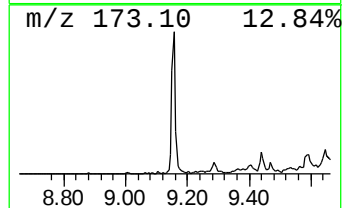
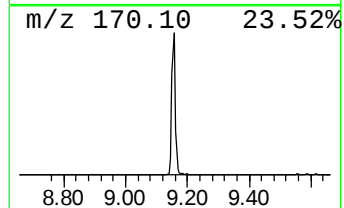
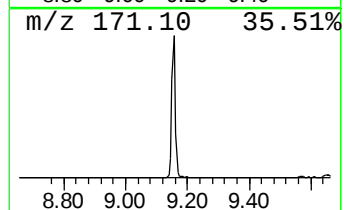
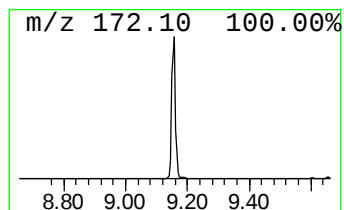
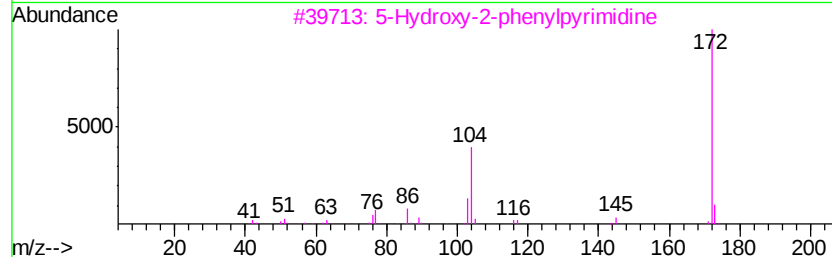
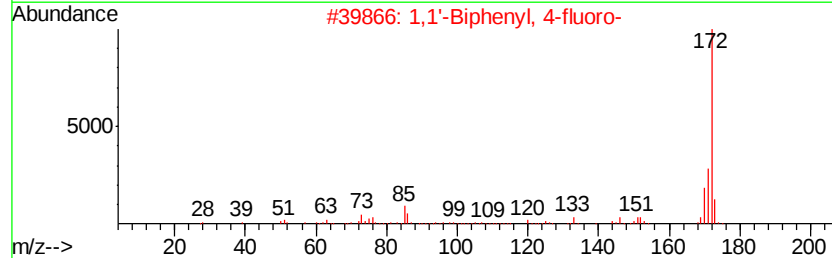
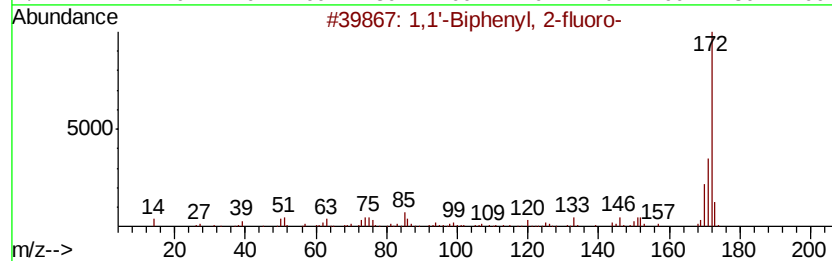
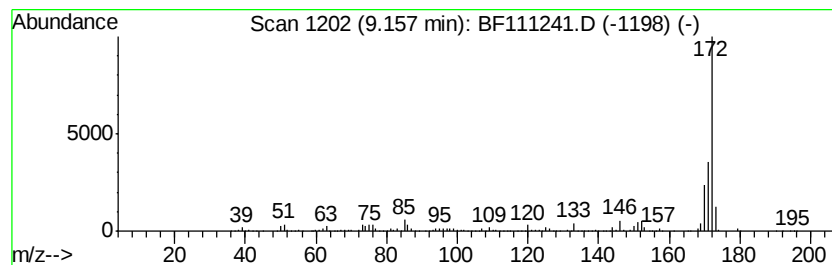
Instrument :
BNA_F
ClientSampleId :
OILY-WATER-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 1,1'-Biphenyl, 2-fluoro- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD		R.T.		
9.16	3.55 ng	925207	Acenaphthene-d10		9.84		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'	-Biphenyl,	2-fluoro-	172	C12H9F	000321-60-8	96
2	1,1'	-Biphenyl,	4-fluoro-	172	C12H9F	000324-74-3	87
3	5-Hydroxy	-2-phenyl	pyrimidine	172	C10H8N2O	066739-85-3	49
4	4-Pyrimidinol,	5-phenyl-		172	C10H8N2O	022433-69-8	42
5	2,3-Dihydro-6-methyl-1,2,4-triaz...			172	C4H4N4S2	014778-87-1	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120918\
Data File : BF111241.D
Acq On : 10 Dec 2018 14:40
Operator : JU/SJ
Sample : J6243-06 20X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OILY-WATER-B

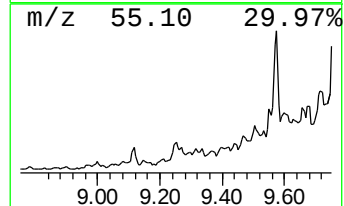
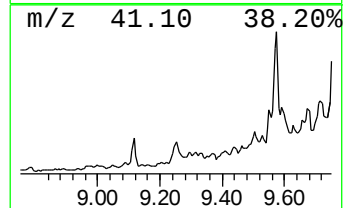
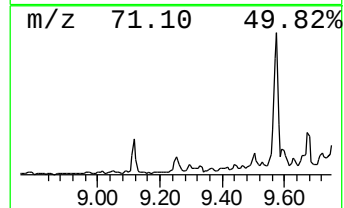
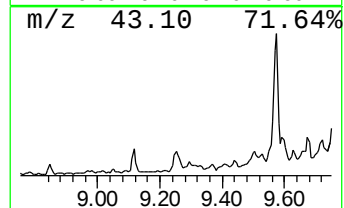
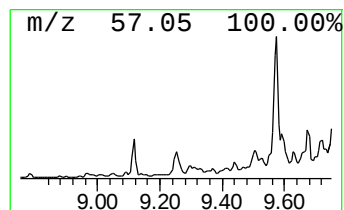
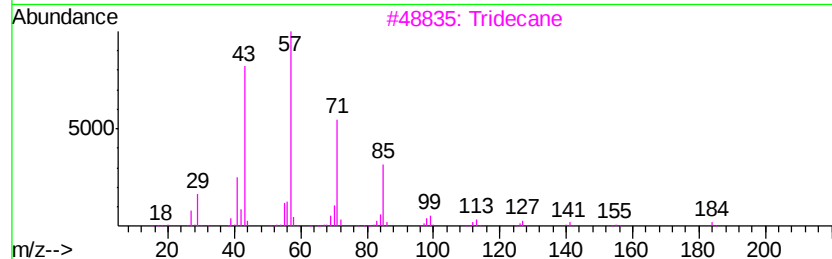
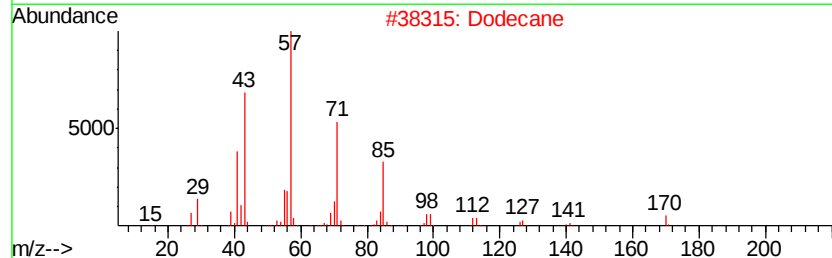
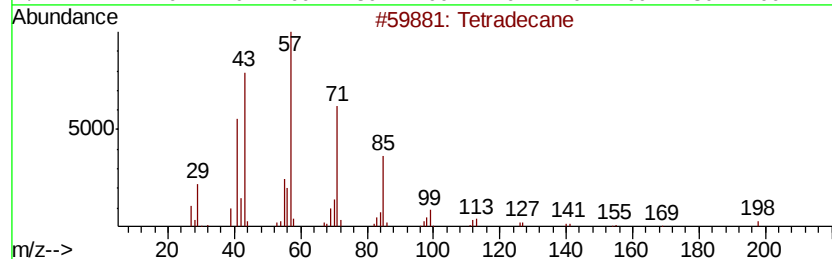
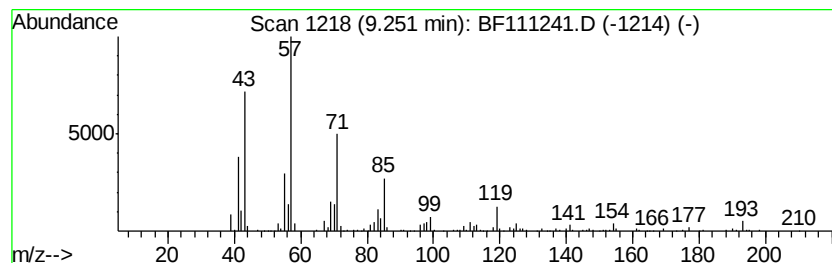
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Dodecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.25	2.04 ng	532691	Acenaphthene-d10	9.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	68
2		Dodecane	170	C12H26	000112-40-3	64
3		Tridecane	184	C13H28	000629-50-5	64
4		Undecane	156	C11H24	001120-21-4	64
5		Tridecane, 6-methyl-	198	C14H30	013287-21-3	62



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120918\
Data File : BF111241.D
Acq On : 10 Dec 2018 14:40
Operator : JU/SJ
Sample : J6243-06 20X
Misc :
ALS Vial : 12 Sample Multiplier: 1

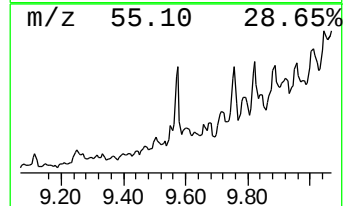
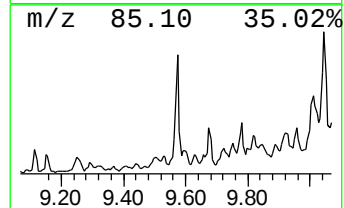
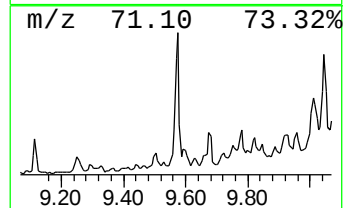
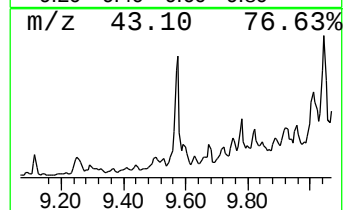
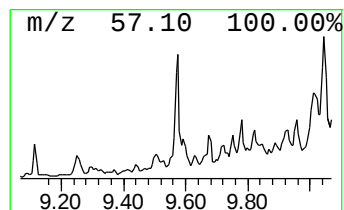
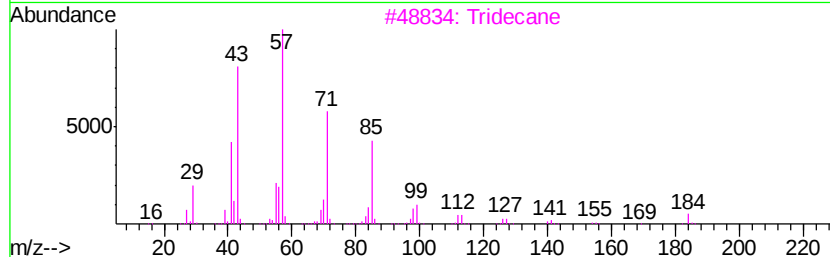
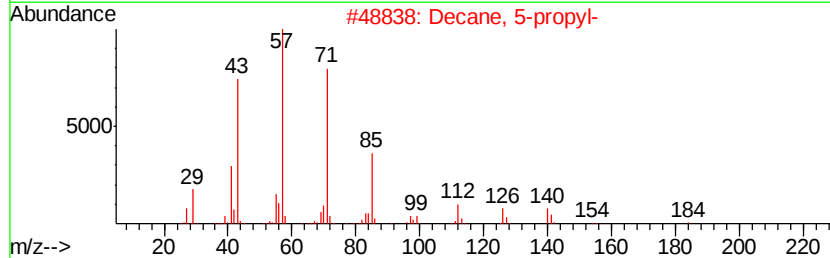
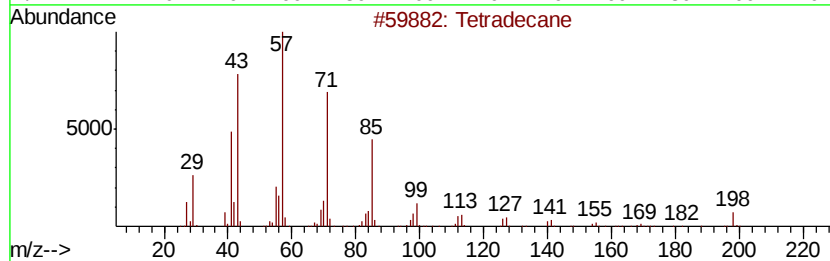
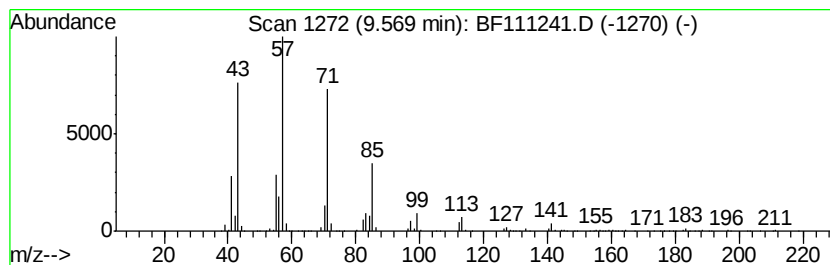
Instrument :
BNA_F
ClientSampleId :
OILY-WATER-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Tetradecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.57	5.04 ng	1313900	Acenaphthene-d10	9.84	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	91
2	Decane, 5-propyl-	184	C13H28	017312-62-8	90
3	Tridecane	184	C13H28	000629-50-5	90
4	Hexadecane	226	C16H34	000544-76-3	90
5	Pentadecane	212	C15H32	000629-62-9	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120918\
Data File : BF111241.D
Acq On : 10 Dec 2018 14:40
Operator : JU/SJ
Sample : J6243-06 20X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OILY-WATER-B

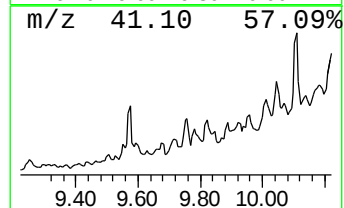
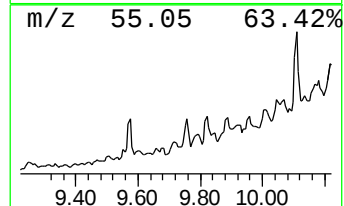
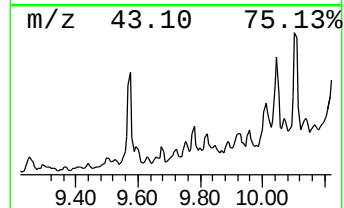
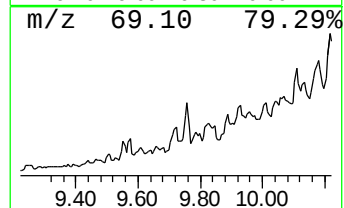
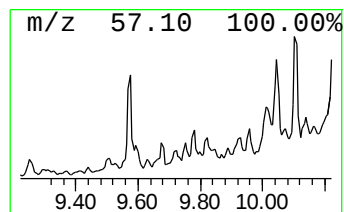
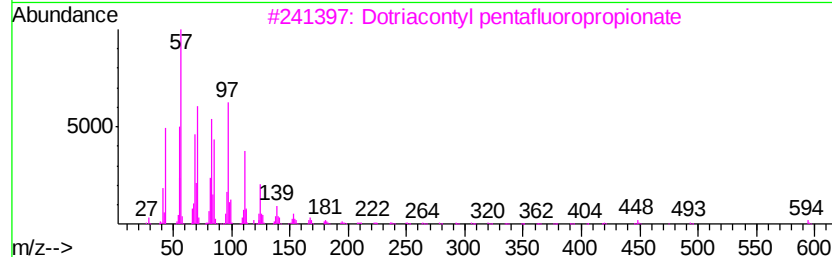
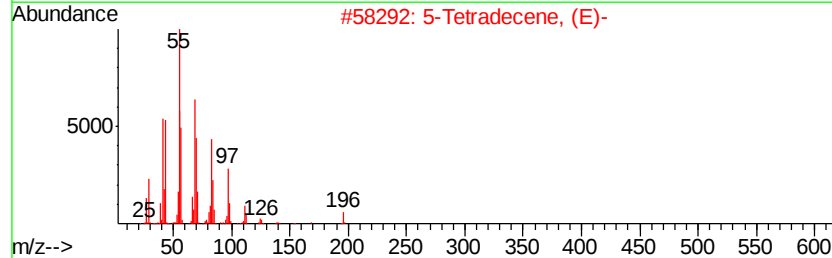
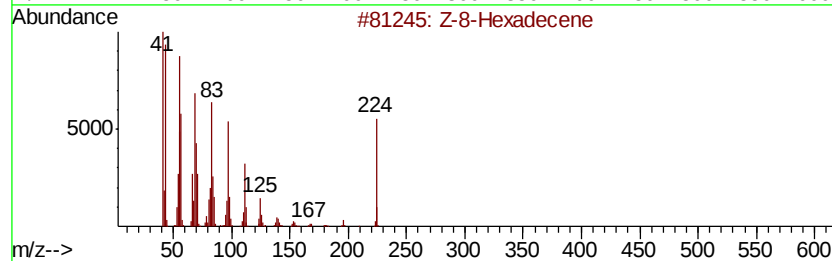
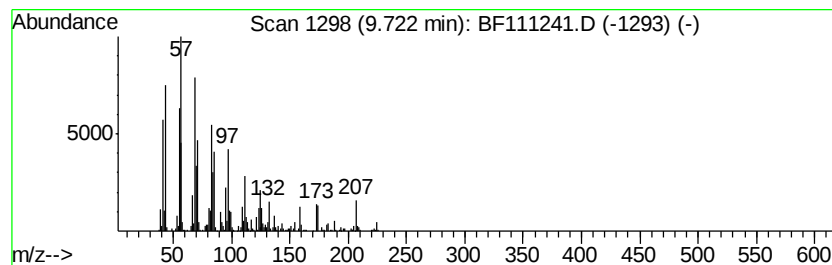
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Z-8-Hexadecene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	3.43 ng	894096	Acenaphthene-d10	9.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Z-8-Hexadecene	224	C16H32	1000130-87-5	64
2		5-Tetradecene, (E)-	196	C14H28	041446-66-6	46
3		Dotriacontyl pentafluoropropionate	612	C35H65F5O2	1000351-81-4	46
4		Octacosyl heptafluorobutyrate	606	C32H57F7O2	1000351-83-6	46
5		3-Hexadecene, (Z)-	224	C16H32	034303-81-6	45



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120918\
Data File : BF111241.D
Acq On : 10 Dec 2018 14:40
Operator : JU/SJ
Sample : J6243-06 20X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OILY-WATER-B

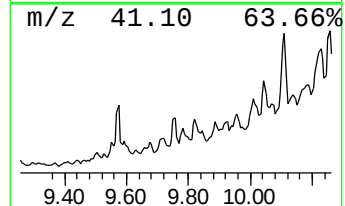
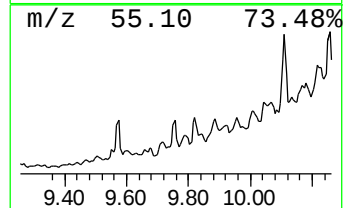
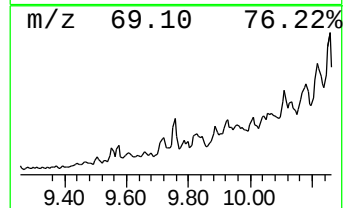
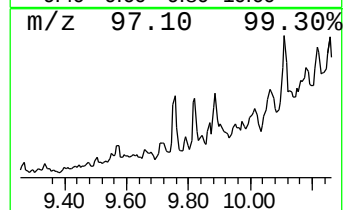
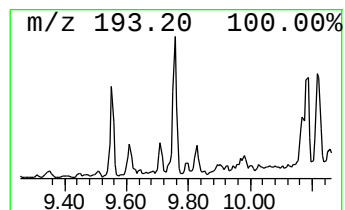
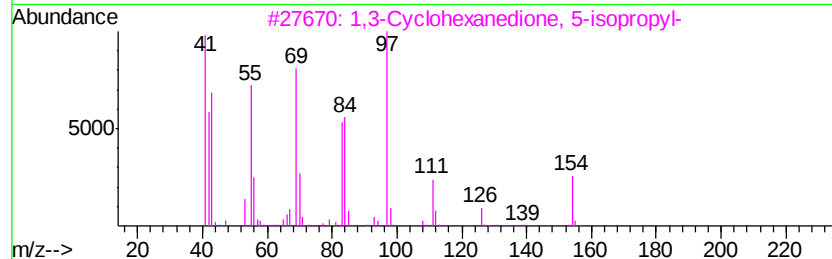
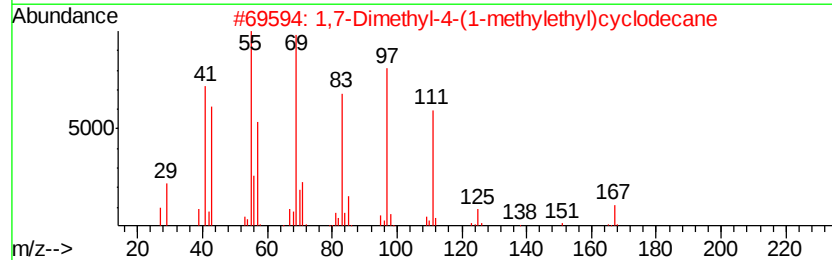
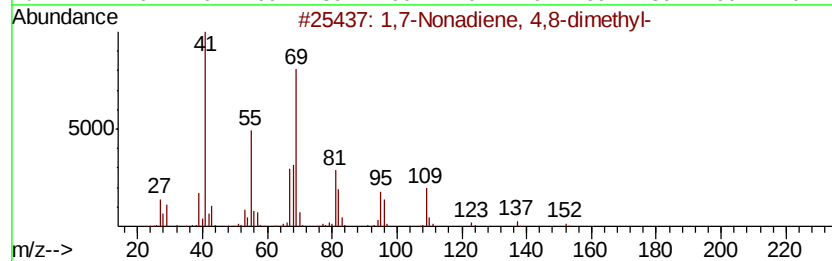
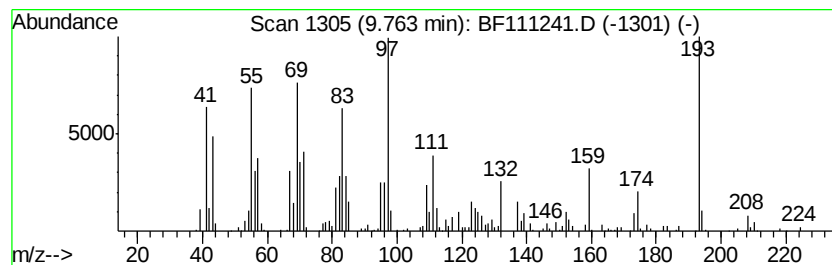
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 unknown9.76 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	3.79 ng	986971	Acenaphthene-d10	9.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,7-Nonadiene, 4,8-dimethyl-	152	C11H20	062108-28-5	30
2		1,7-Dimethyl-4-(1-methylethyl)cy...	210	C15H30	000645-10-3	27
3		1,3-Cyclohexanedione, 5-isopropyl-	154	C9H14O2	018456-87-6	27
4		4H-Pyran-4-one, 2,6-dimethyl-	124	C7H8O2	001004-36-0	25
5		6-Octenal, 3,7-dimethyl-, (R)-	154	C10H18O	002385-77-5	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120918\
Data File : BF111241.D
Acq On : 10 Dec 2018 14:40
Operator : JU/SJ
Sample : J6243-06 20X
Misc :
ALS Vial : 12 Sample Multiplier: 1

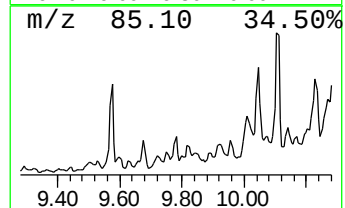
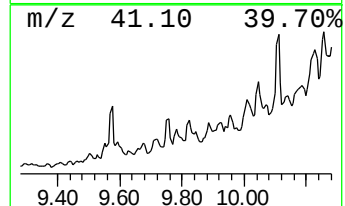
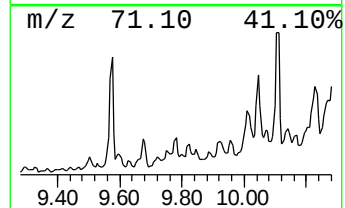
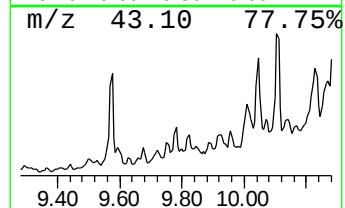
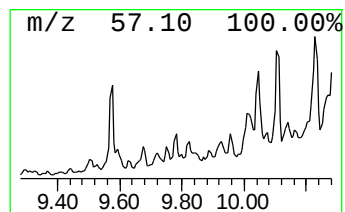
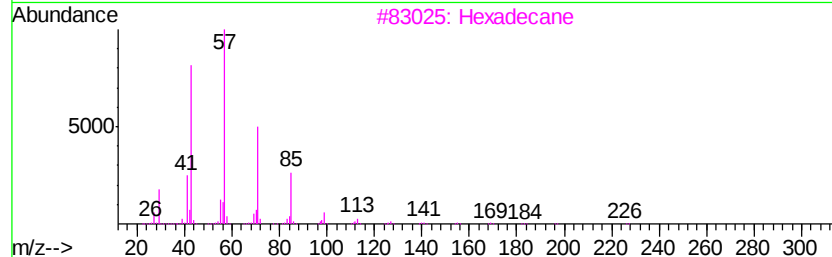
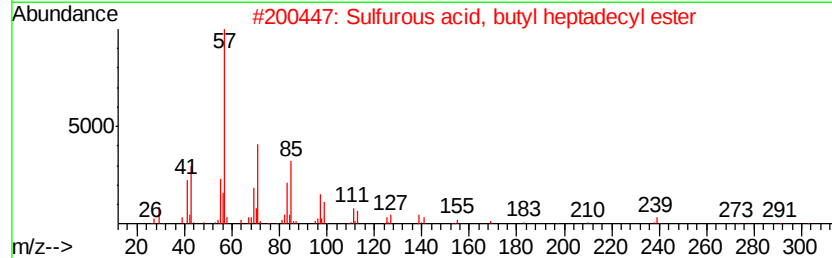
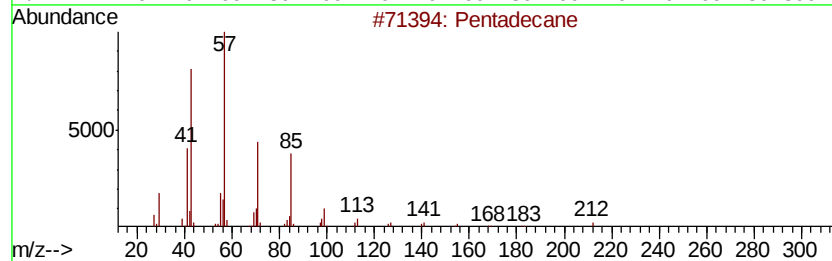
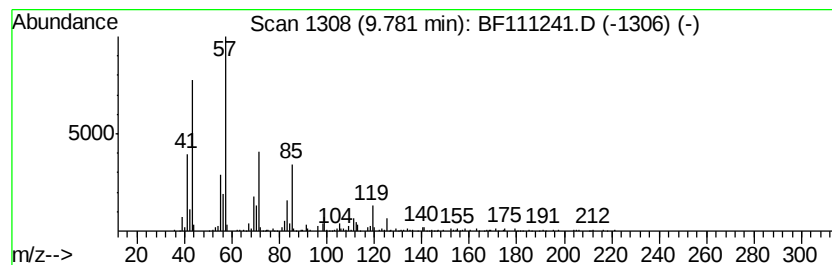
Instrument :
BNA_F
ClientSampleId :
OILY-WATER-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Pentadecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.78	2.73 ng	711548	Acenaphthene-d10	9.84
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Pentadecane		212 C15H32	000629-62-9 81
2	Sulfurous acid, butyl heptadecyl...		376 C21H44O3S	1000309-18-4 72
3	Hexadecane		226 C16H34	000544-76-3 72
4	Sulfurous acid, 2-propyl tetradec...		320 C17H36O3S	1000309-12-5 72
5	1-Iodo-2-methylundecane		296 C12H25I	073105-67-6 64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120918\
Data File : BF111241.D
Acq On : 10 Dec 2018 14:40
Operator : JU/SJ
Sample : J6243-06 20X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OILY-WATER-B

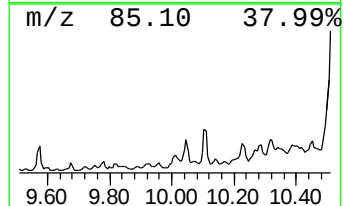
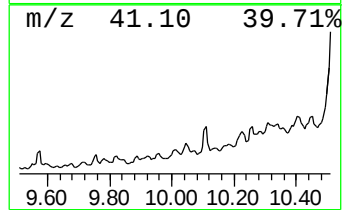
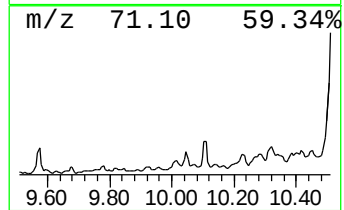
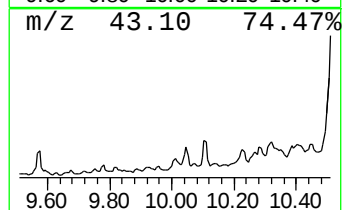
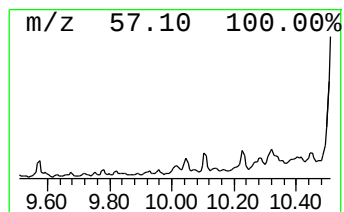
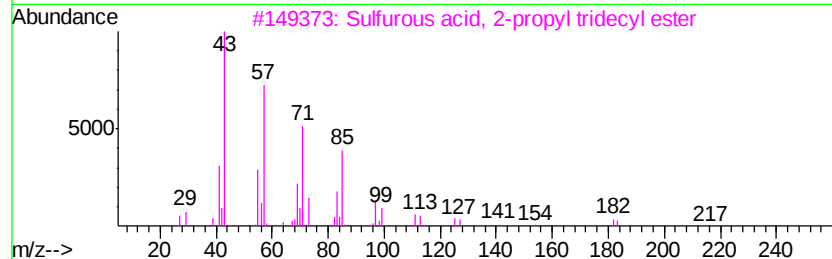
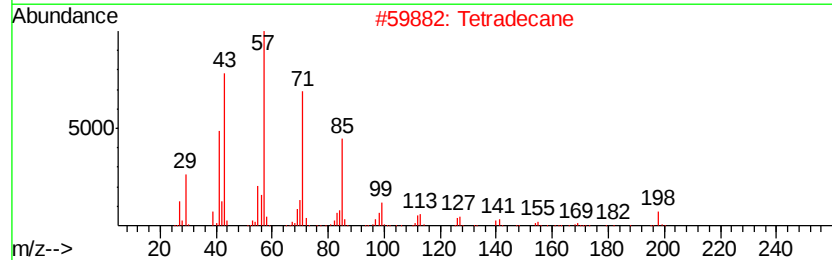
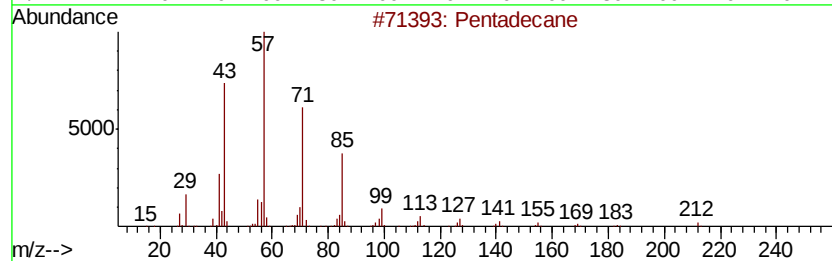
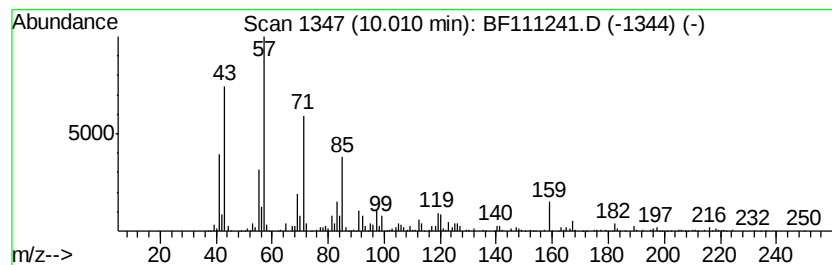
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Sulfurous acid, 2-propyl tr... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.01	5.68 ng	1479500	Acenaphthene-d10	9.84

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentadecane	212	C15H32	000629-62-9	60
2		Tetradecane	198	C14H30	000629-59-4	55
3		Sulfurous acid, 2-propyl tridecyl...	306	C16H34O3S	1000309-12-4	52
4		Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	52
5		Sulfurous acid, dodecyl 2-propyl...	292	C15H32O3S	1000309-12-3	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120918\
Data File : BF111241.D
Acq On : 10 Dec 2018 14:40
Operator : JU/SJ
Sample : J6243-06 20X
Misc :
ALS Vial : 12 Sample Multiplier: 1

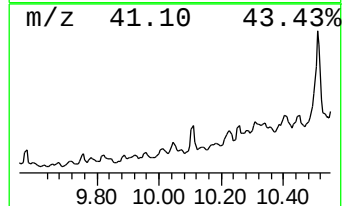
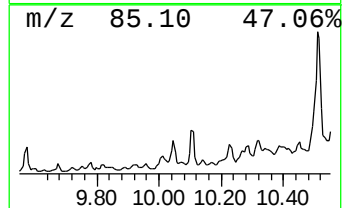
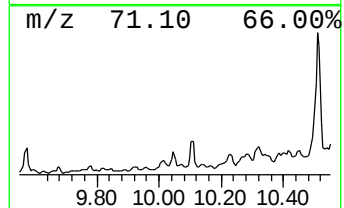
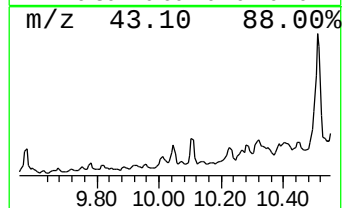
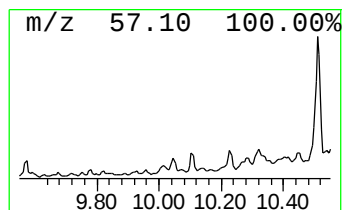
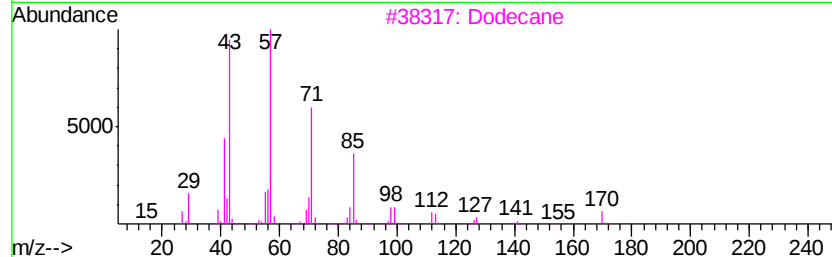
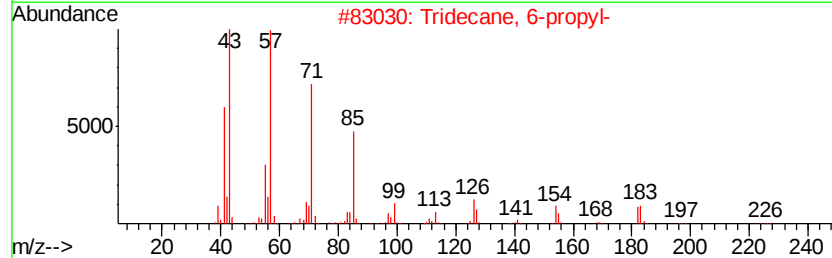
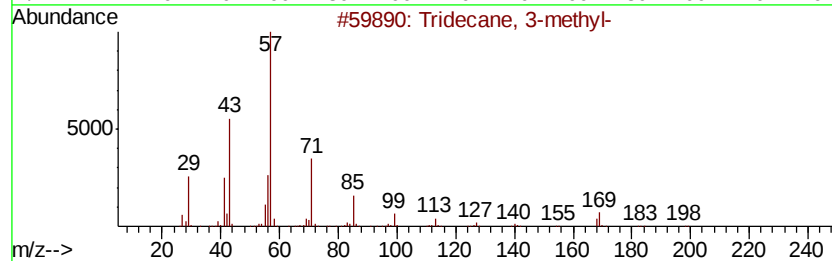
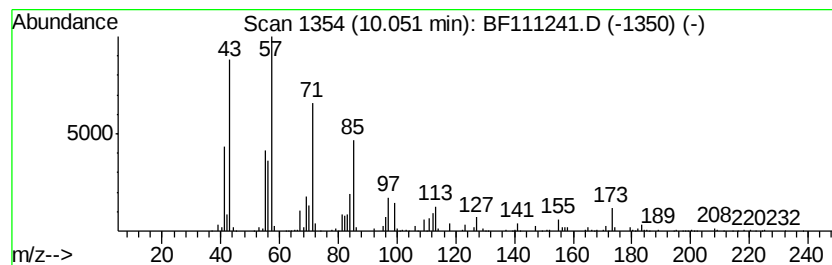
Instrument :
BNA_F
ClientSampleId :
OILY-WATER-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Tridecane, 3-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.05	4.48 ng	1166070	Acenaphthene-d10		9.84
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 3-methyl-	198	C14H30	006418-41-3	92
2	Tridecane, 6-propyl-	226	C16H34	055045-10-8	76
3	Dodecane	170	C12H26	000112-40-3	74
4	Tridecane, 2-methyl-	198	C14H30	001560-96-9	74
5	Decane, 2-methyl-	156	C11H24	006975-98-0	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120918\
Data File : BF111241.D
Acq On : 10 Dec 2018 14:40
Operator : JU/SJ
Sample : J6243-06 20X
Misc :
ALS Vial : 12 Sample Multiplier: 1

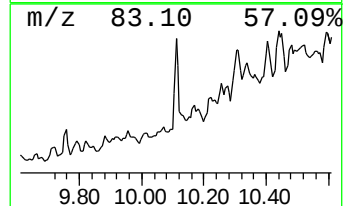
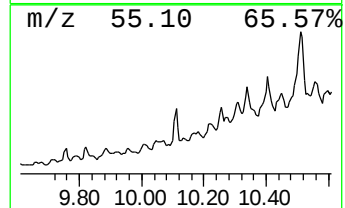
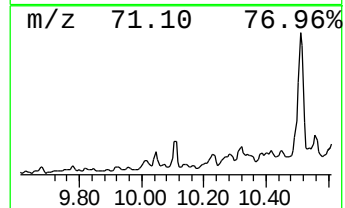
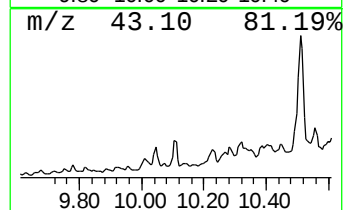
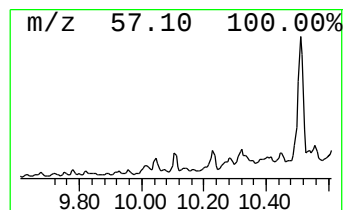
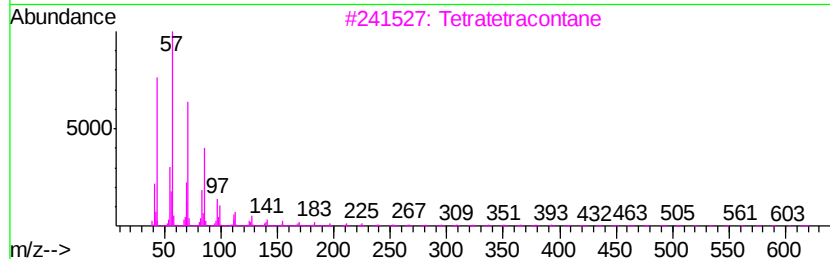
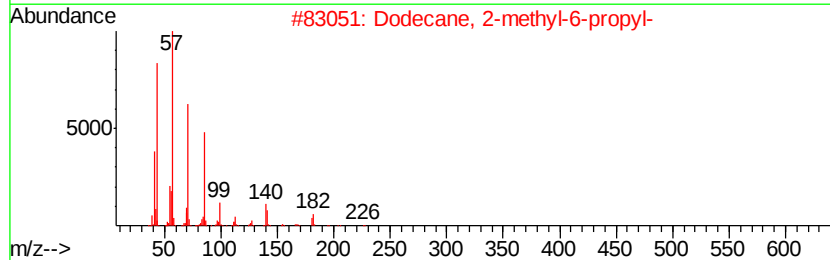
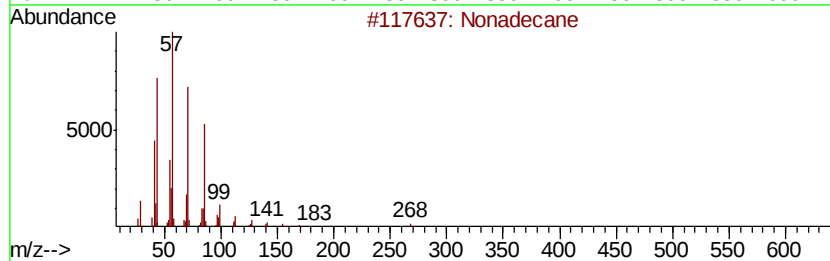
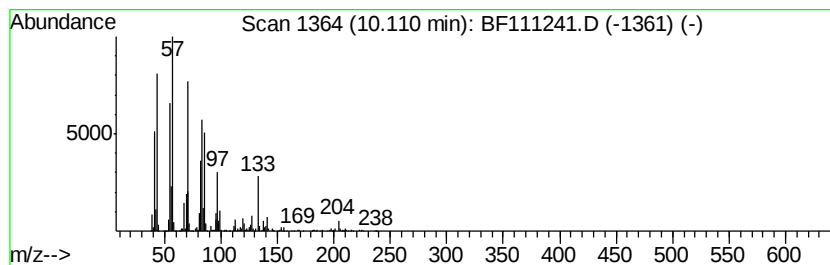
Instrument :
BNA_F
ClientSampleId :
OILY-WATER-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Nonadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.11	10.65 ng	2773890	Acenaphthene-d10	9.84
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Nonadecane		268 C19H40	000629-92-5 58
2	Dodecane, 2-methyl-6-propyl-		226 C16H34	055045-08-4 50
3	Tetratetracontane		619 C44H90	007098-22-8 47
4	Tetradecane		198 C14H30	000629-59-4 47
5	Pentadecane		212 C15H32	000629-62-9 43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120918\
Data File : BF111241.D
Acq On : 10 Dec 2018 14:40
Operator : JU/SJ
Sample : J6243-06 20X
Misc :
ALS Vial : 12 Sample Multiplier: 1

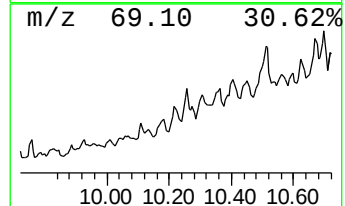
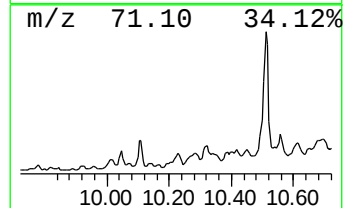
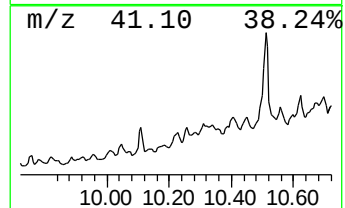
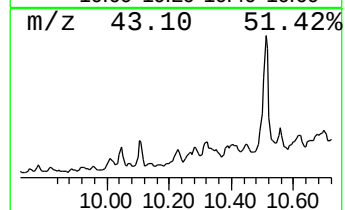
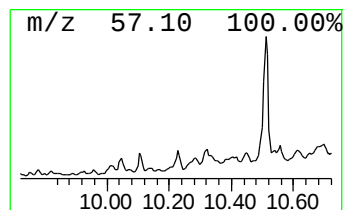
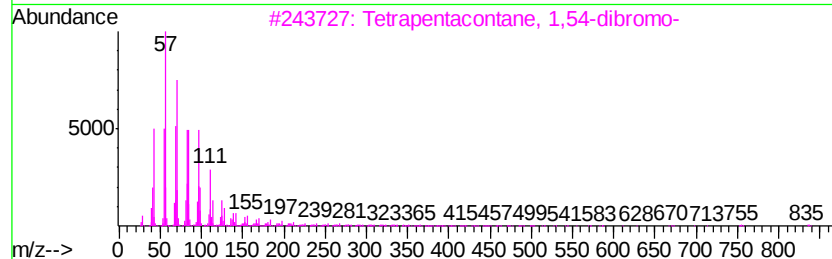
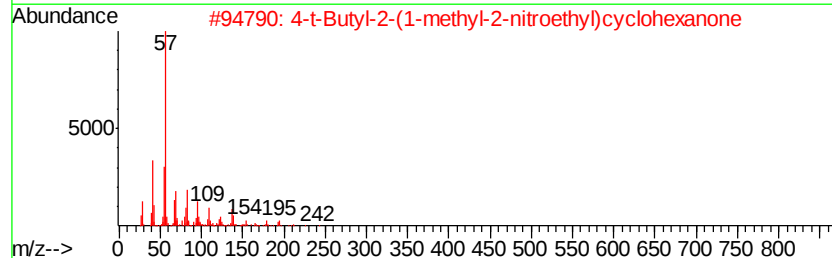
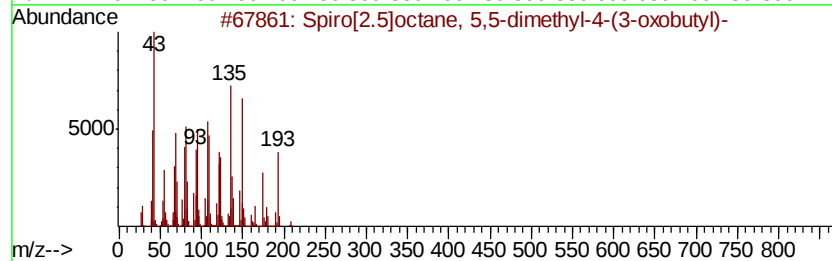
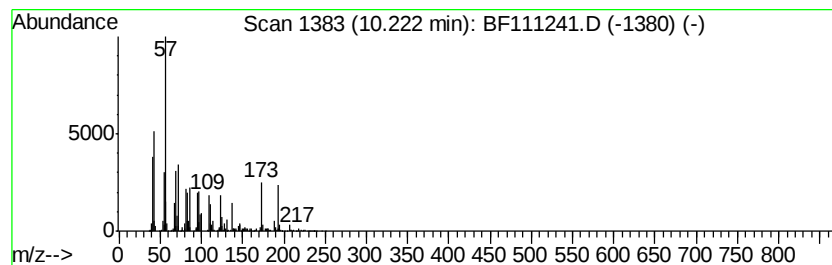
Instrument :
BNA_F
ClientSampleId :
OILY-WATER-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 unknown10.22 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.22	9.62 ng	2505060	Acenaphthene-d10	9.84	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Spiro[2.5]octane, 5,5-dimethyl-4...	208	C14H24O	077143-32-9	25
2	4-t-Butyl-2-(1-methyl-2-nitroeth...	241	C13H23NO3	1000192-74-8	22
3	Tetrapentacontane, 1,54-dibromo-	915	C54H108Br2	1000156-09-4	16
4	Decane, 1-fluoro-	160	C10H21F	000334-56-5	14
5	Nonahexacontanoic acid	999	C69H138O2	040710-32-5	12



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120918\
Data File : BF111241.D
Acq On : 10 Dec 2018 14:40
Operator : JU/SJ
Sample : J6243-06 20X
Misc :
ALS Vial : 12 Sample Multiplier: 1

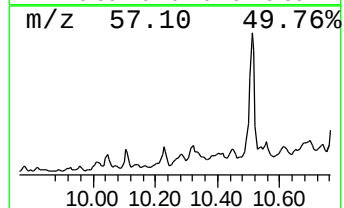
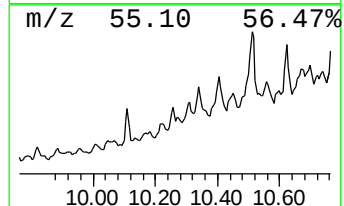
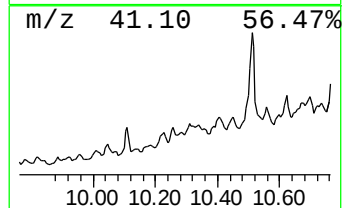
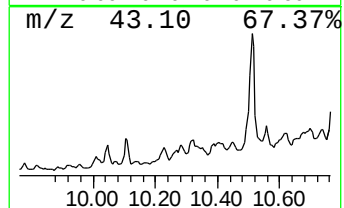
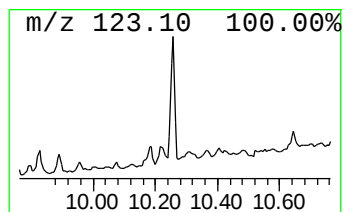
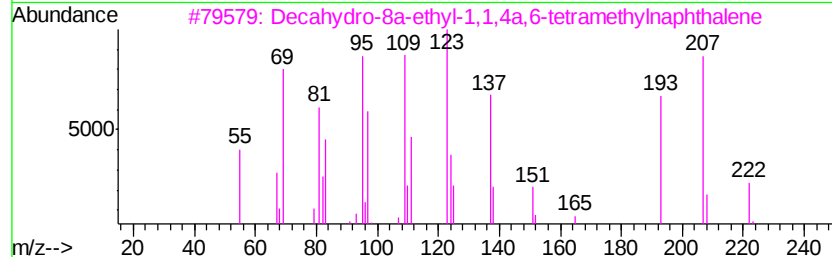
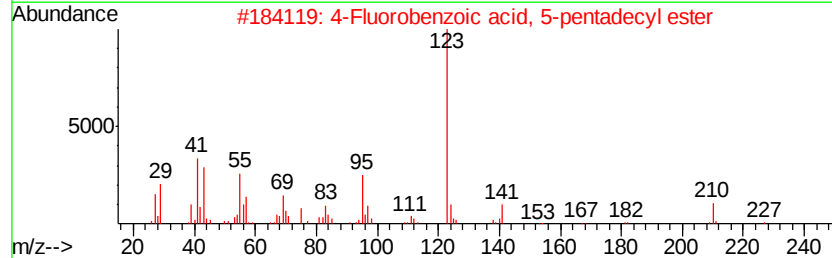
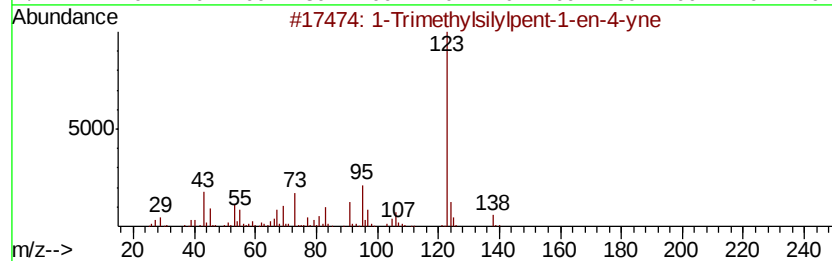
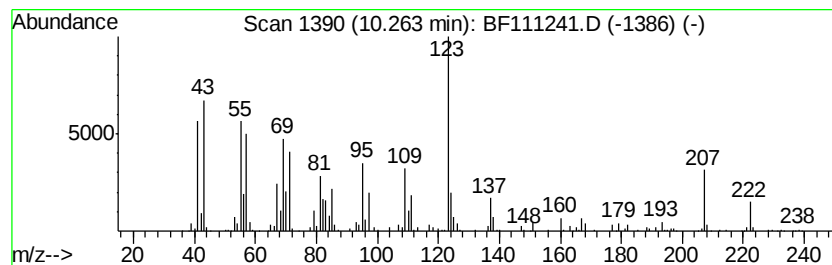
Instrument :
BNA_F
ClientSampleId :
OILY-WATER-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 unknown10.26 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.26	6.25 ng	1627260	Acenaphthene-d10	9.84	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Trimethylsilylpent-1-en-4-yne	138	C8H14Si	079516-25-9	47
2	4-Fluorobenzoic acid, 5-pentadec...	350	C22H35FO2	1000280-68-6	47
3	Decahydro-8a-ethyl-1,1,4a,6-tetr...	222	C16H30	1000100-23-6	43
4	4-Fluorobenzoic acid, 2-pentadec...	350	C22H35FO2	1000280-68-3	43
5	4-Fluorobenzoic acid, 4-pentadec...	350	C22H35FO2	1000280-68-5	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120918\
Data File : BF111241.D
Acq On : 10 Dec 2018 14:40
Operator : JU/SJ
Sample : J6243-06 20X
Misc :
ALS Vial : 12 Sample Multiplier: 1

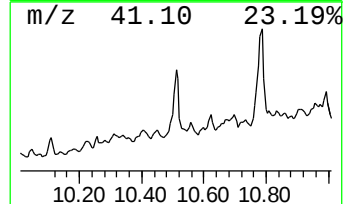
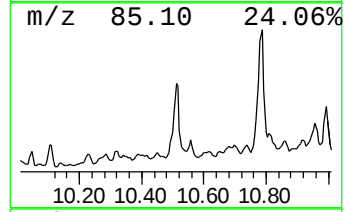
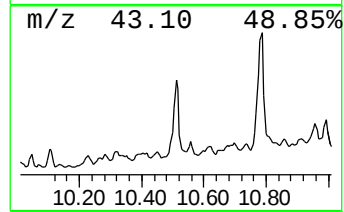
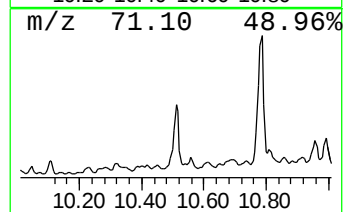
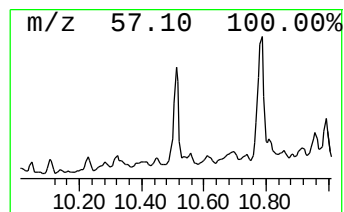
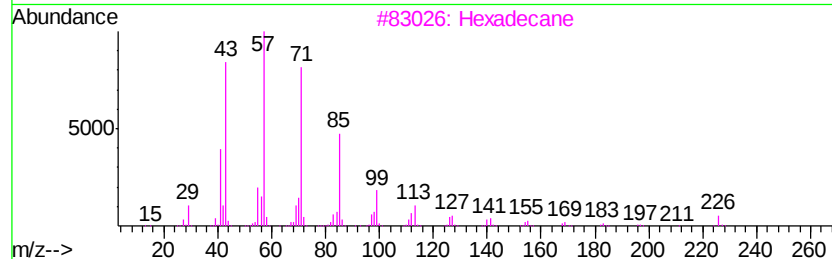
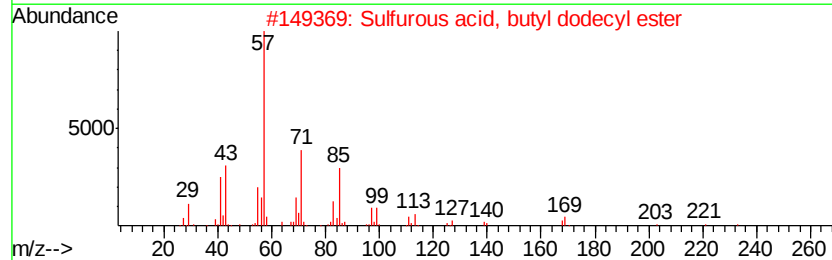
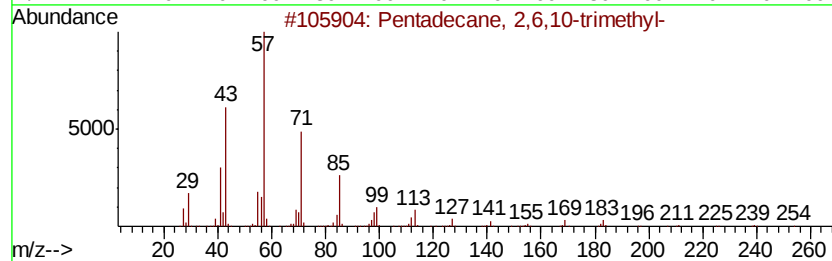
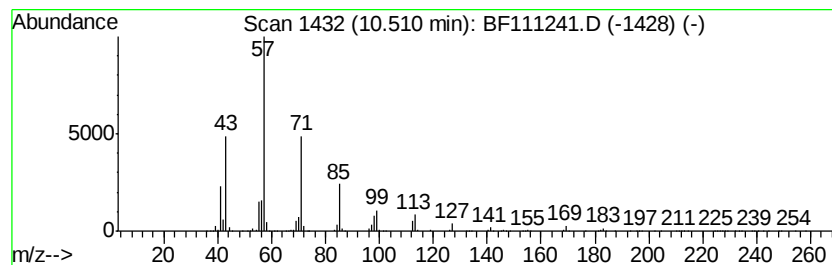
Instrument :
BNA_F
ClientSampleId :
OILY-WATER-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Pentadecane, 2,6,10-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.51	43.69 ng	11382400	Acenaphthene-d10	9.84
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Pentadecane, 2,6,10-trimethyl-	254 C18H38	003892-00-0 91
2		Sulfurous acid, butyl dodecyl ester	306 C16H34O3S	1000309-17-9 72
3		Hexadecane	226 C16H34	000544-76-3 72
4		Nonane, 2-methyl-5-propyl-	184 C13H28	031081-17-1 64
5		Undecane, 3,6-dimethyl-	184 C13H28	017301-28-9 64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120918\
Data File : BF111241.D
Acq On : 10 Dec 2018 14:40
Operator : JU/SJ
Sample : J6243-06 20X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OILY-WATER-B

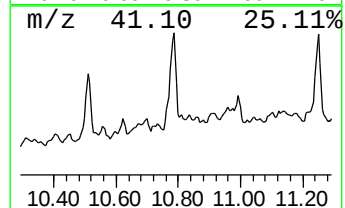
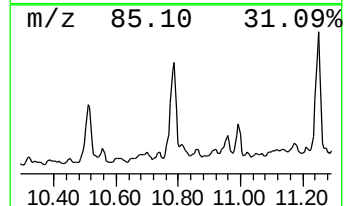
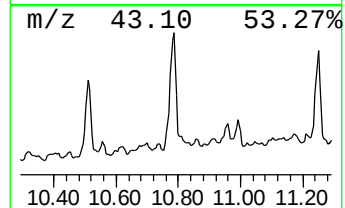
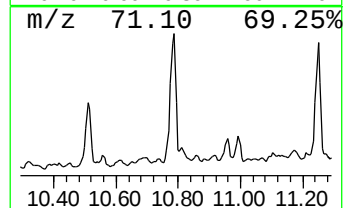
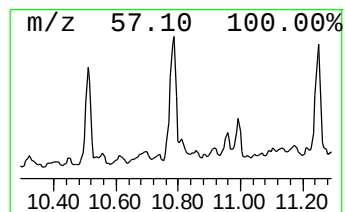
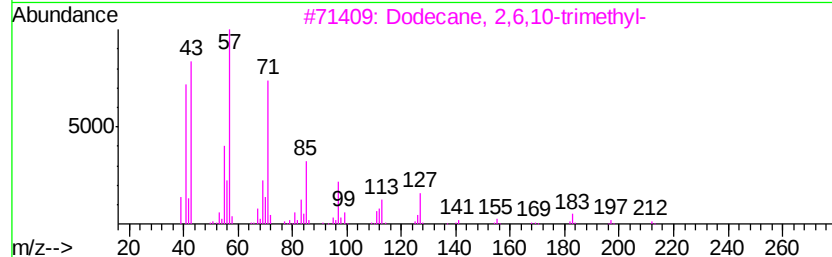
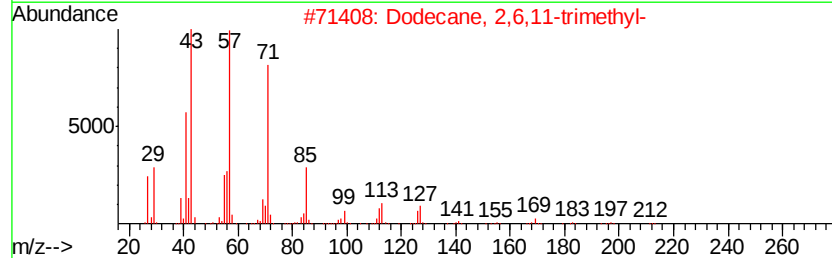
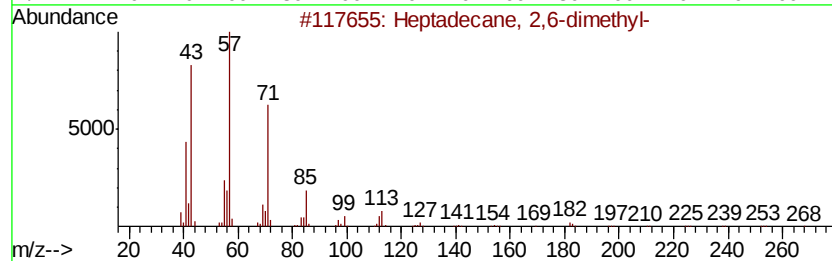
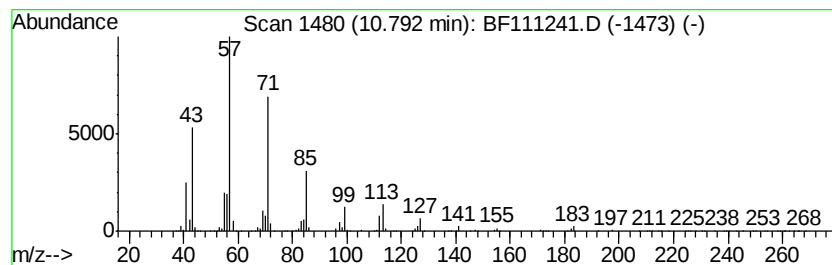
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Heptadecane, 2,6-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.79	155.51 ng	22914900	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	91
2		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	87
3		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	86
4		Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	83
5		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120918\
Data File : BF111241.D
Acq On : 10 Dec 2018 14:40
Operator : JU/SJ
Sample : J6243-06 20X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OILY-WATER-B

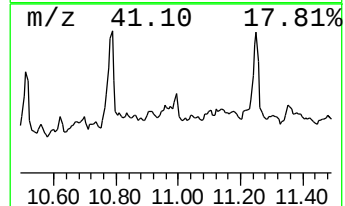
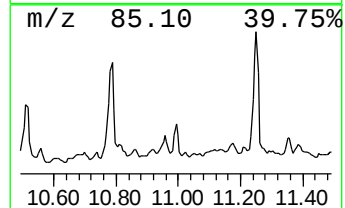
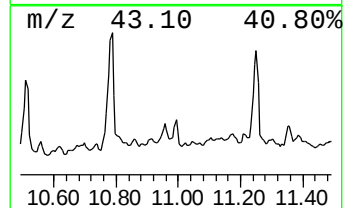
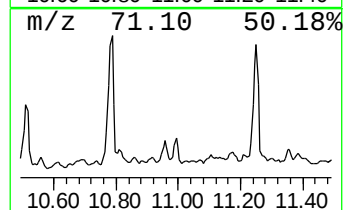
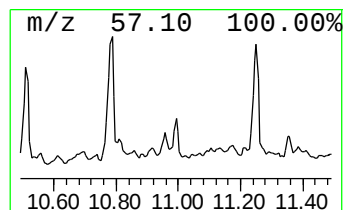
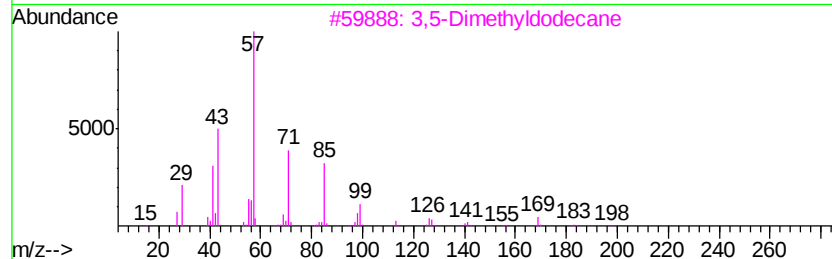
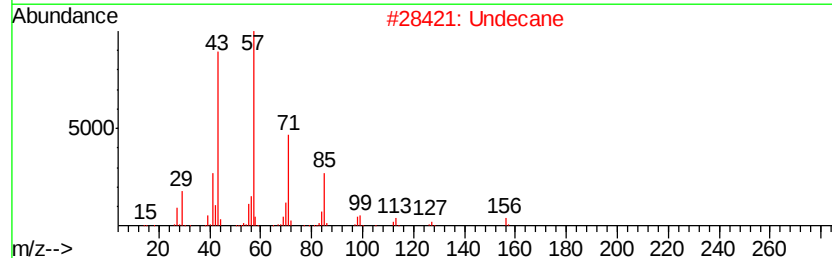
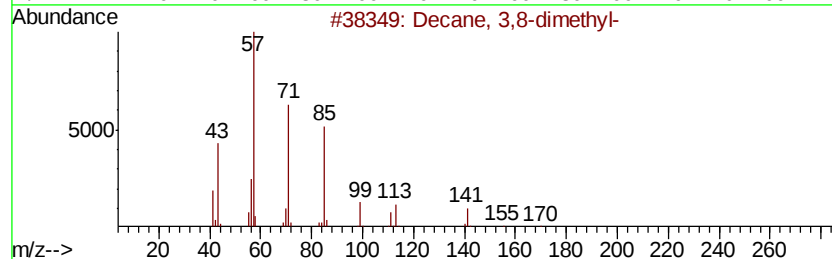
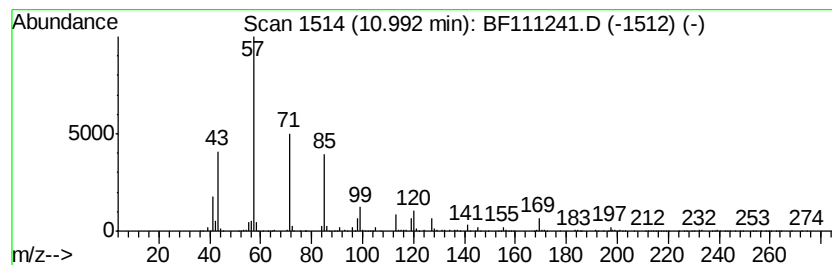
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Decane, 3,8-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.99	23.45 ng	3456000	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	81
2		Undecane	156	C11H24	001120-21-4	80
3		3,5-Dimethyldodecane	198	C14H30	107770-99-0	72
4		Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	64
5		1-Iodoundecane	282	C11H23I	004282-44-4	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120918\
Data File : BF111241.D
Acq On : 10 Dec 2018 14:40
Operator : JU/SJ
Sample : J6243-06 20X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OILY-WATER-B

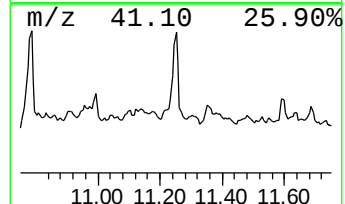
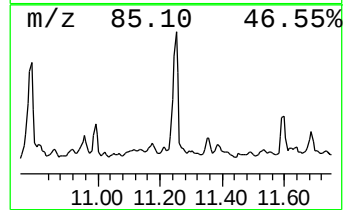
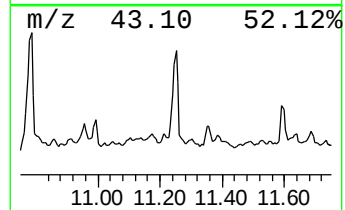
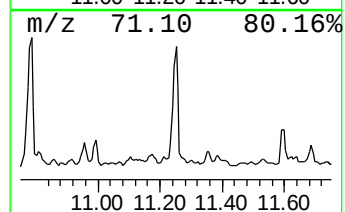
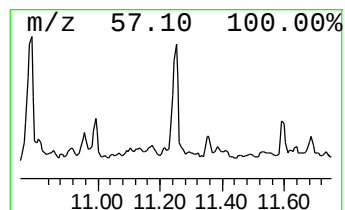
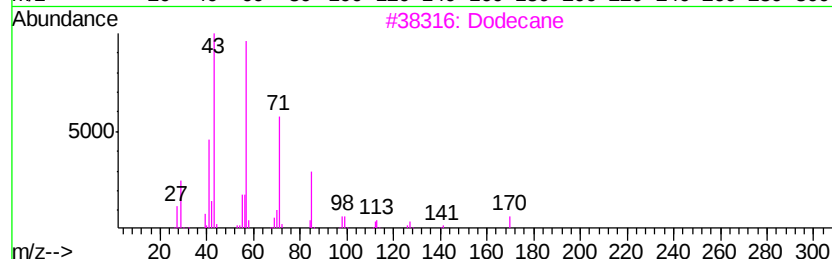
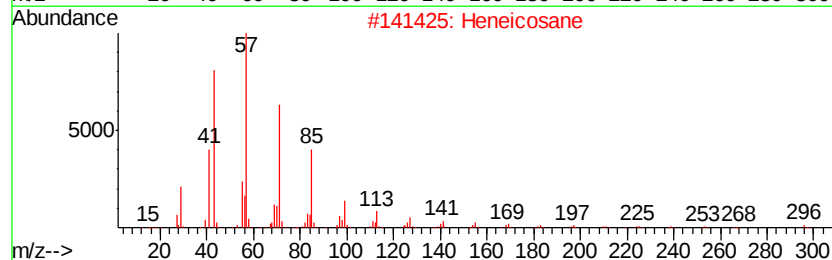
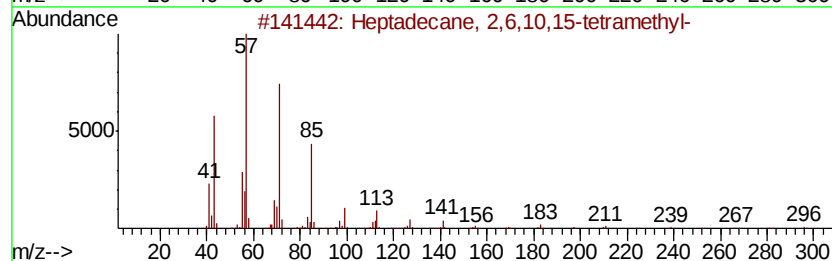
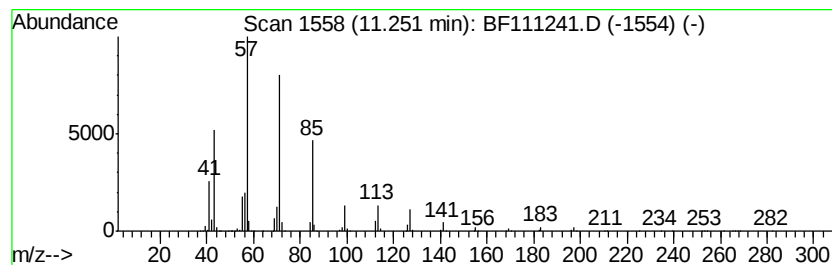
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Heptadecane, 2,6,10,15-tetr... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.25	126.40 ng	18624600	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
2		Heneicosane	296	C21H44	000629-94-7	90
3		Dodecane	170	C12H26	000112-40-3	87
4		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	87
5		Hexacosane	366	C26H54	000630-01-3	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120918\
Data File : BF111241.D
Acq On : 10 Dec 2018 14:40
Operator : JU/SJ
Sample : J6243-06 20X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OILY-WATER-B

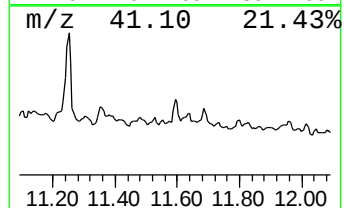
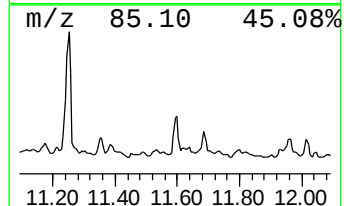
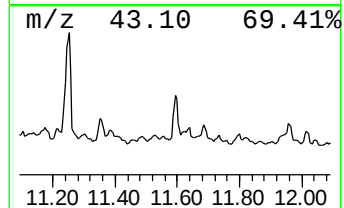
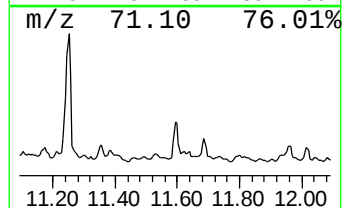
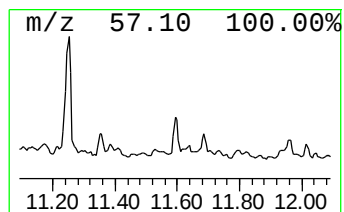
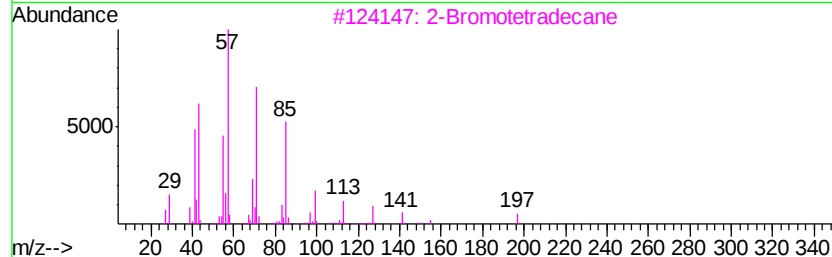
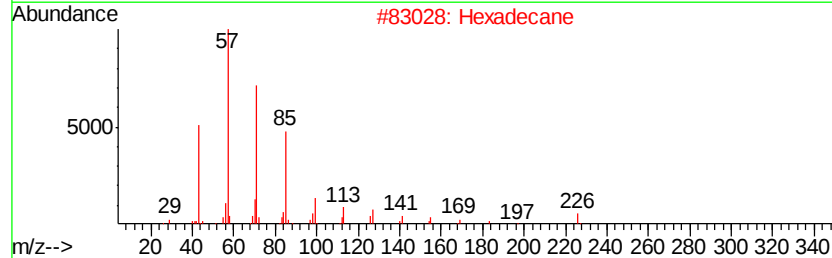
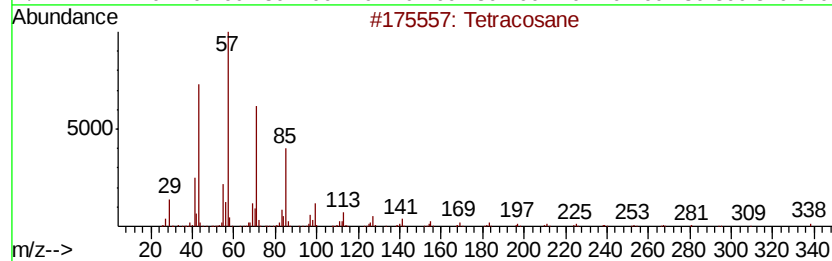
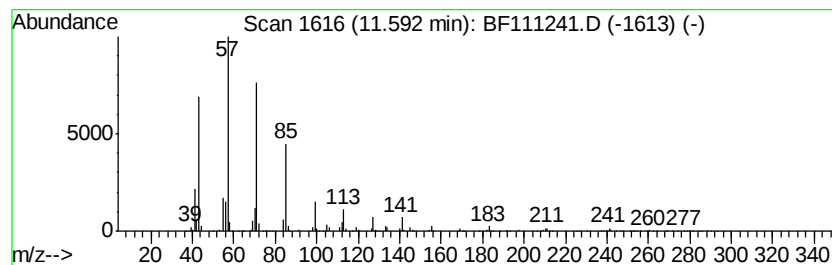
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Tetracosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	33.64 ng	4956550	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetracosane	338	C24H50	000646-31-1	91
2		Hexadecane	226	C16H34	000544-76-3	90
3		2-Bromotetradecane	276	C14H29Br	074036-95-6	90
4		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
5		Octacosane	394	C28H58	000630-02-4	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120918\
Data File : BF111241.D
Acq On : 10 Dec 2018 14:40
Operator : JU/SJ
Sample : J6243-06 20X
Misc :
ALS Vial : 12 Sample Multiplier: 1

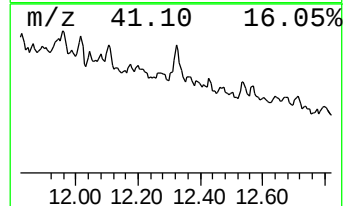
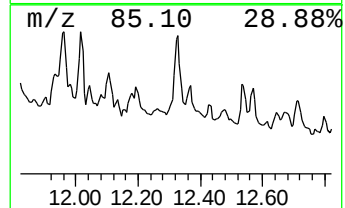
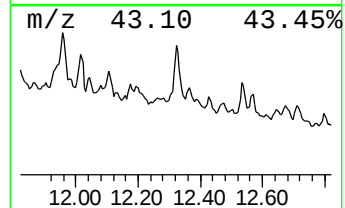
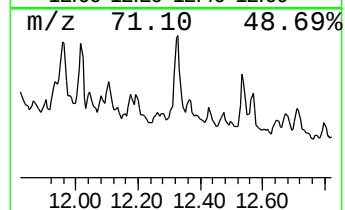
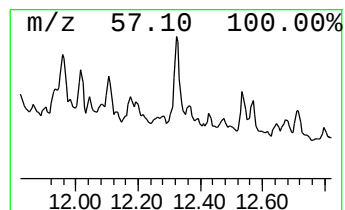
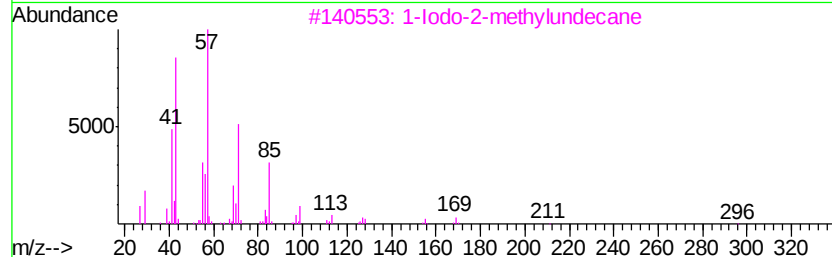
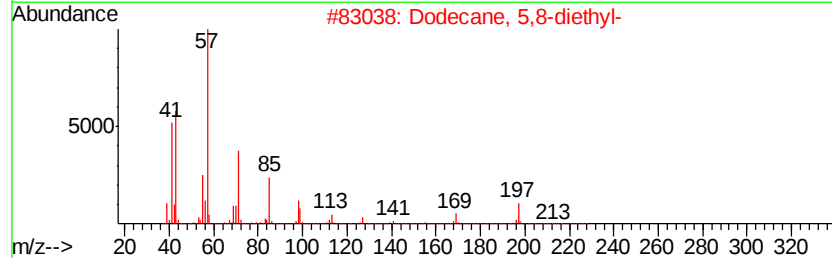
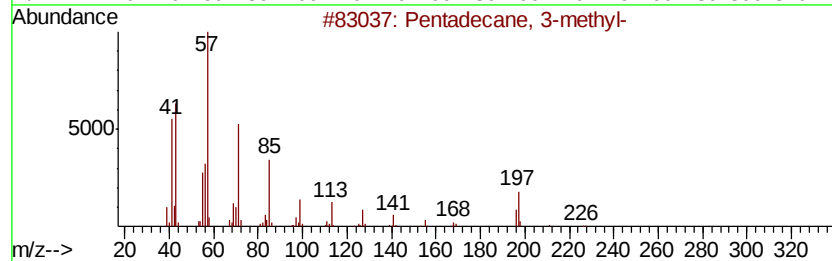
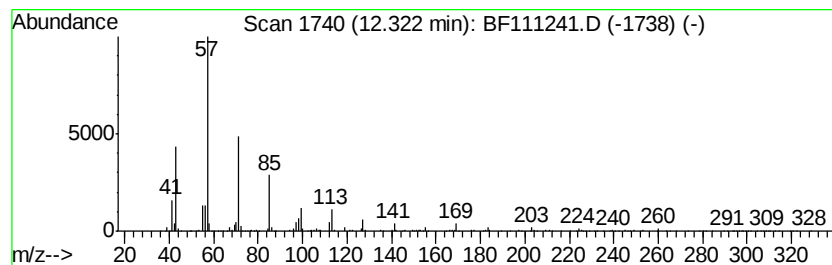
Instrument :
BNA_F
ClientSampleId :
OILY-WATER-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Pentadecane, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.32	23.23 ng	3423280	Phenanthrene-d10	11.33		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentadecane, 3-methyl-	226	C16H34	002882-96-4	87
2		Dodecane, 5,8-diethyl-	226	C16H34	024251-86-3	87
3		1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	80
4		Octadecane, 1-iodo-	380	C18H37I	000629-93-6	80
5		Heptadecane	240	C17H36	000629-78-7	78



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120918\
Data File : BF111241.D
Acq On : 10 Dec 2018 14:40
Operator : JU/SJ
Sample : J6243-06 20X
Misc :
ALS Vial : 12 Sample Multiplier: 1

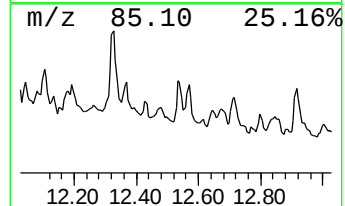
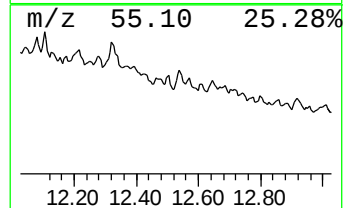
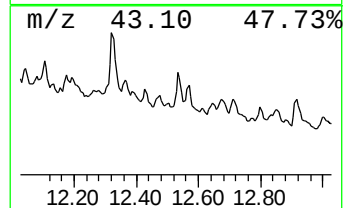
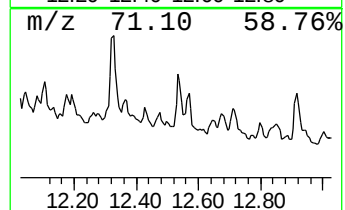
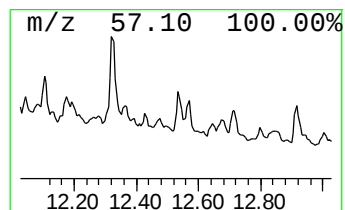
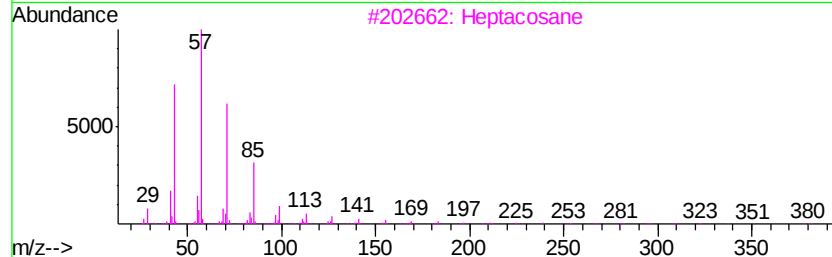
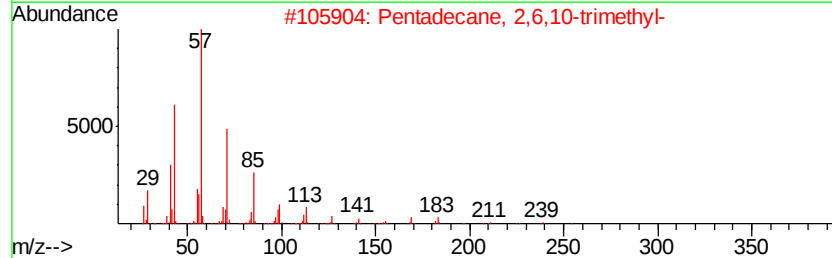
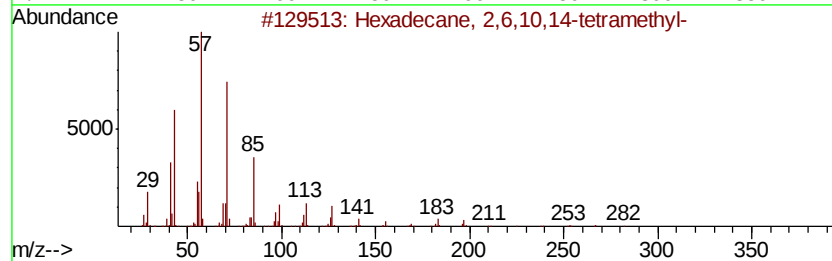
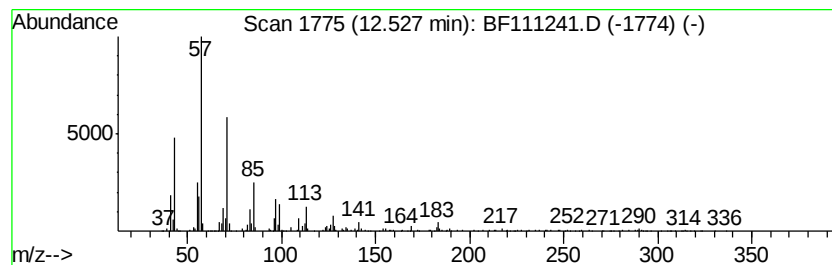
Instrument :
BNA_F
ClientSampleId :
OILY-WATER-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Hexadecane, 2,6,10,14-tetra... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD			R.T.	
12.53	12.64 ng	1862080	Phenanthrene-d10			11.33	
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane,	2,6,10,14-tetramethyl-	282	C20H42		000638-36-8	91
2	Pentadecane,	2,6,10-trimethyl-	254	C18H38		003892-00-0	87
3	Heptacosane		380	C27H56		000593-49-7	80
4	Decane,	3,7-dimethyl-	170	C12H26		017312-54-8	76
5	Heptadecane,	2,6,10,15-tetramethyl-	296	C21H44		054833-48-6	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF120918\
 Data File : BF111241.D
 Acq On : 10 Dec 2018 14:40
 Operator : JU/SJ
 Sample : J6243-06 20X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OILY-WATER-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown6.56	6.56	4.3	ng	642719	1	6.80	2974720	20.0
1,1'-Biphenyl, 2-...	9.16	3.5	ng	925207	3	9.84	5210020	20.0
Dodecane	9.25	2.0	ng	532691	3	9.84	5210020	20.0
Tetradecane	9.57	5.0	ng	1313900	3	9.84	5210020	20.0
Z-8-Hexadecene	9.72	3.4	ng	894096	3	9.84	5210020	20.0
unknown9.76	9.76	3.8	ng	986971	3	9.84	5210020	20.0
Pentadecane	9.78	2.7	ng	711548	3	9.84	5210020	20.0
Sulfurous acid, 2...	10.01	5.7	ng	1479500	3	9.84	5210020	20.0
Tridecane, 3-methyl-	10.05	4.5	ng	1166070	3	9.84	5210020	20.0
Nonadecane	10.11	10.7	ng	2773890	3	9.84	5210020	20.0
unknown10.22	10.22	9.6	ng	2505060	3	9.84	5210020	20.0
unknown10.26	10.26	6.3	ng	1627260	3	9.84	5210020	20.0
Pentadecane, 2,6,...	10.51	43.7	ng	11382400	3	9.84	5210020	20.0
Heptadecane, 2,6-...	10.79	155.5	ng	22914900	4	11.33	2947020	20.0
Decane, 3,8-dimet...	10.99	23.4	ng	3456000	4	11.33	2947020	20.0
Heptadecane, 2,6,...	11.25	126.4	ng	18624600	4	11.33	2947020	20.0
Tetracosane	11.59	33.6	ng	4956550	4	11.33	2947020	20.0
Pentadecane, 3-me...	12.32	23.2	ng	3423280	4	11.33	2947020	20.0
Hexadecane, 2,6,1...	12.53	12.6	ng	1862080	4	11.33	2947020	20.0