

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121816\
 Data File : BF091752.D
 Acq On : 18 Dec 2016 22:31
 Operator : UM/SJ
 Sample : H6099-08
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP06-2.5-3FT

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:\HPCHEM1\BNA_F\METHODS\8270-BF121716.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	4.281	189	192	195	rBV	88462	131474	1.41%	0.144%
2	4.956	247	251	263	rBV	2985497	5048841	54.07%	5.513%
3	5.379	285	288	291	rBV	6300874	7711214	82.58%	8.420%
4	6.419	375	379	381	rBV	6841110	9338084	100.00%	10.197%
5	6.544	386	390	392	rBV	6211727	8973089	96.09%	9.798%
6	6.762	407	409	412	rBV	1742239	1715637	18.37%	1.873%
7	6.922	420	423	426	rBV	5718727	5715553	61.21%	6.241%
8	7.333	455	459	461	rBV	4480283	5300053	56.76%	5.788%
9	8.053	519	522	524	rBV	2282019	2449043	26.23%	2.674%
10	9.128	613	616	619	rBV	6028290	7888118	84.47%	8.614%
11	9.379	636	638	644	rBV	153118	205950	2.21%	0.225%
12	9.528	648	651	653	rBV	1143473	1137663	12.18%	1.242%
13	9.802	672	675	677	rBV	2787333	2628172	28.14%	2.870%
14	10.248	709	714	715	rBV2	175247	250793	2.69%	0.274%
15	10.465	730	733	734	rBV	75150	94676	1.01%	0.103%
16	10.591	741	744	747	rBV2	4149217	5485222	58.74%	5.990%
17	10.716	753	755	760	rVB	310768	372104	3.98%	0.406%
18	11.128	789	791	792	rBV	128485	111007	1.19%	0.121%
19	11.162	792	794	796	rBV	326485	284505	3.05%	0.311%
20	11.288	802	805	807	rBV	2132854	2649502	28.37%	2.893%
21	11.585	829	831	834	rBV	207410	223029	2.39%	0.244%
22	11.825	850	852	856	rVV	372181	450358	4.82%	0.492%
23	11.894	856	858	863	rVV4	48200	128583	1.38%	0.140%
24	11.996	863	867	872	rVV2	134636	236584	2.53%	0.258%
25	12.488	908	910	913	rBV	247655	227381	2.43%	0.248%
26	12.614	918	921	926	rBV4	71876	131911	1.41%	0.144%
27	12.705	926	929	932	rBV2	1043443	1150575	12.32%	1.256%
28	12.774	932	935	937	rVB2	249433	316015	3.38%	0.345%
29	12.876	941	944	946	rVB	6625064	7127170	76.32%	7.783%
30	13.082	960	962	963	rBV	111320	114460	1.23%	0.125%
31	13.105	963	964	966	rVB2	86521	109178	1.17%	0.119%
32	13.345	980	985	988	rBV5	99357	238929	2.56%	0.261%
33	13.402	988	990	992	rBV2	730202	736572	7.89%	0.804%
34	13.448	992	994	995	rVV	78695	96565	1.03%	0.105%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121816\
 Data File : BF091752.D
 Acq On : 18 Dec 2016 22:31
 Operator : UM/SJ
 Sample : H6099-08
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP06-2.5-3FT

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:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.768	1020	1022	1032	rBV	1264741	1556932	16.67%	1.700%
36	13.917	1032	1035	1042	rVB	2438541	2631127	28.18%	2.873%
37	14.099	1049	1051	1054	rBV	206758	274993	2.94%	0.300%
38	14.408	1075	1078	1081	rBV	978431	1208010	12.94%	1.319%
39	14.694	1099	1103	1107	rBV2	190857	429565	4.60%	0.469%
40	14.762	1107	1109	1112	rVB	116070	122610	1.31%	0.134%
41	14.831	1112	1115	1117	rVB	168108	176992	1.90%	0.193%
42	14.922	1121	1123	1128	rVB	82405	140915	1.51%	0.154%
43	15.014	1128	1131	1136	rBV2	296914	783640	8.39%	0.856%
44	15.322	1155	1158	1160	rBV	1139727	1680290	17.99%	1.835%
45	15.357	1160	1161	1164	rVB	109930	130007	1.39%	0.142%
46	15.540	1174	1177	1180	rBV	134040	218410	2.34%	0.238%
47	15.757	1194	1196	1199	rBV	226529	392396	4.20%	0.428%
48	15.802	1199	1200	1204	rVV	131480	235523	2.52%	0.257%
49	15.871	1204	1206	1211	rVV3	46810	100471	1.08%	0.110%
50	16.214	1232	1236	1244	rVB3	82606	234130	2.51%	0.256%
51	16.488	1257	1260	1266	rVB	109236	203125	2.18%	0.222%
52	16.683	1271	1277	1278	rVV3	50411	147182	1.58%	0.161%
53	16.717	1278	1280	1282	rVV	81448	153332	1.64%	0.167%
54	16.763	1282	1284	1287	rVV	74841	147480	1.58%	0.161%
55	16.831	1287	1290	1296	rVV3	68810	252446	2.70%	0.276%
56	16.923	1296	1298	1306	rVB2	36051	115762	1.24%	0.126%
57	17.197	1318	1322	1327	rBV2	244156	624499	6.69%	0.682%
58	17.288	1327	1330	1334	rVV4	54866	169403	1.81%	0.185%
59	18.134	1400	1404	1410	rBV6	46871	143096	1.53%	0.156%
60	18.934	1469	1474	1480	rVB8	29118	98272	1.05%	0.107%
61	19.083	1481	1487	1496	rVB5	127430	428726	4.59%	0.468%

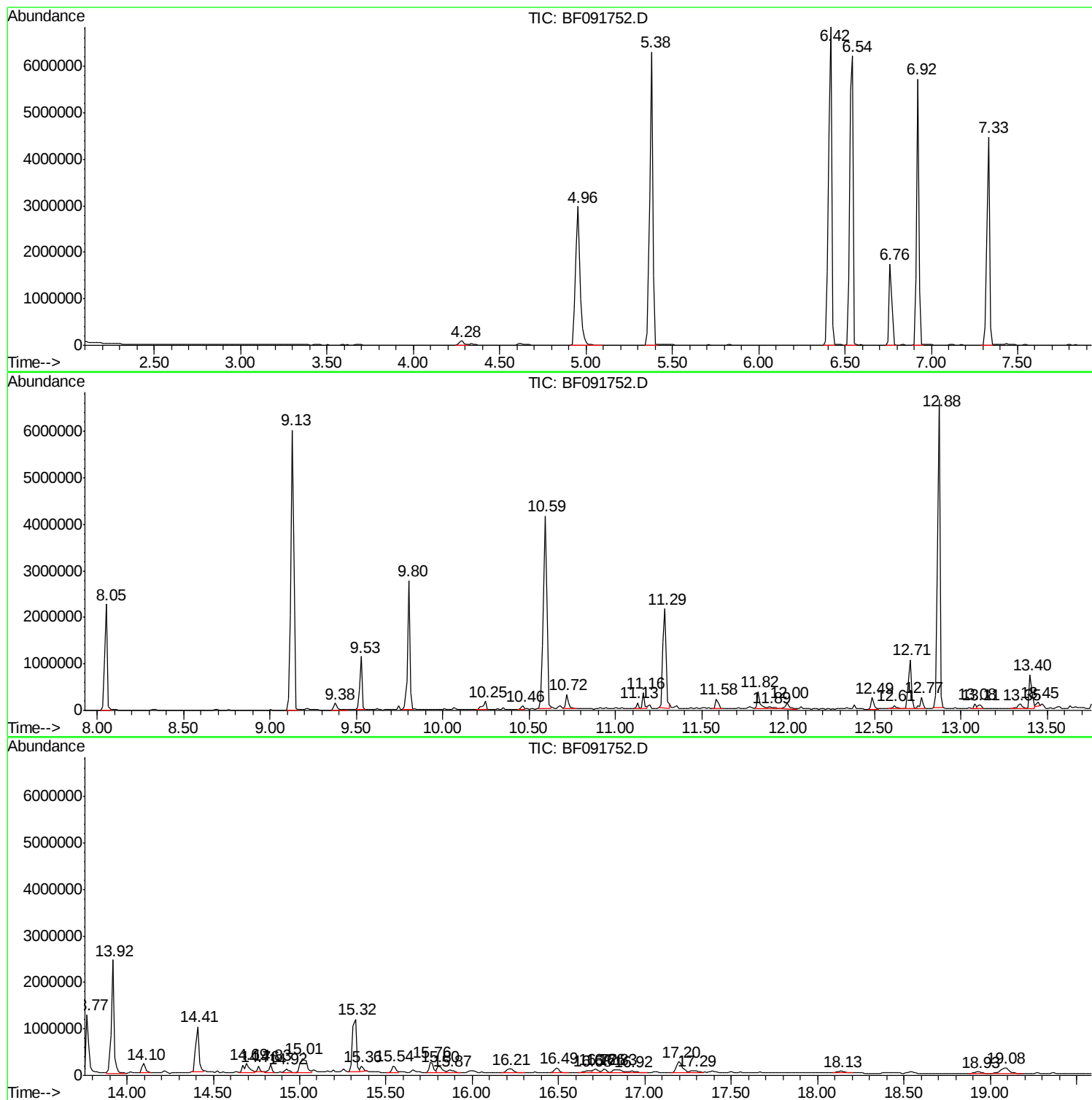
Sum of corrected areas: 91577344

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121816\
Data File : BF091752.D
Acq On : 18 Dec 2016 22:31
Operator : UM/SJ
Sample : H6099-08
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP06-2.5-3FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121816\
Data File : BF091752.D
Acq On : 18 Dec 2016 22:31
Operator : UM/SJ
Sample : H6099-08
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP06-2.5-3FT

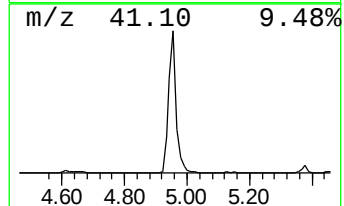
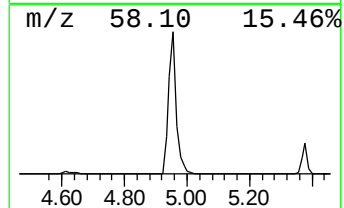
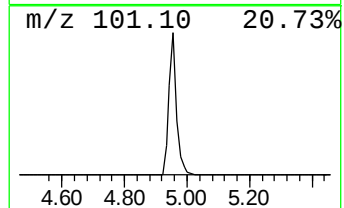
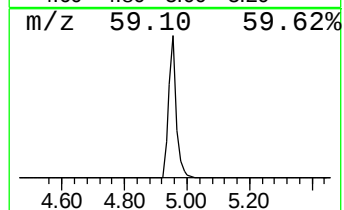
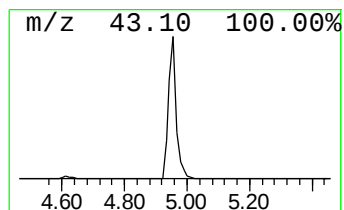
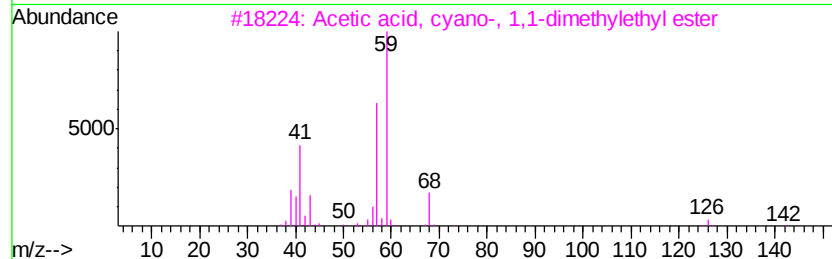
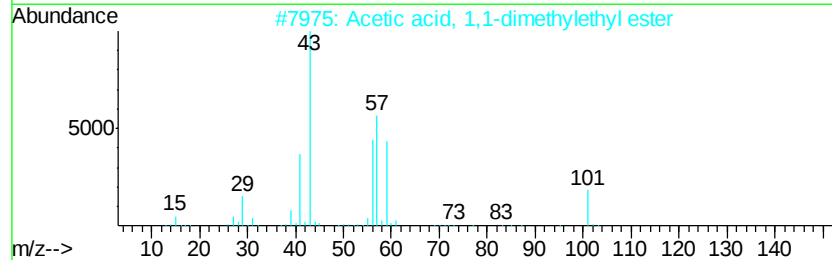
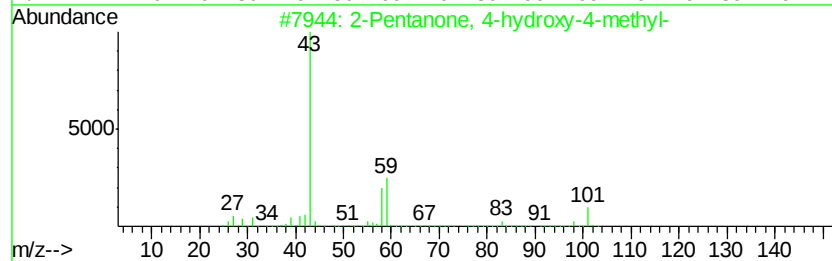
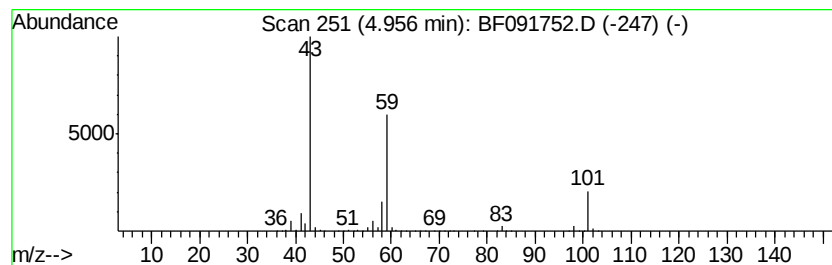
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.96	58.86 ng	5048840	1,4-Dichlorobenzene-d4	6.76

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50	
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39	
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25	
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9	
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9	



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121816\
Data File : BF091752.D
Acq On : 18 Dec 2016 22:31
Operator : UM/SJ
Sample : H6099-08
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP06-2.5-3FT

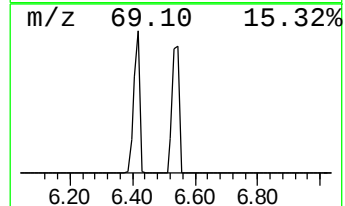
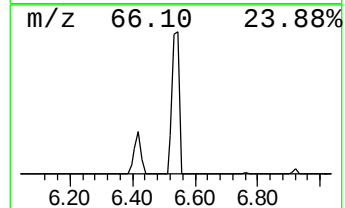
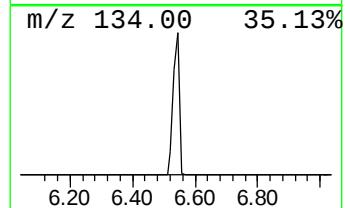
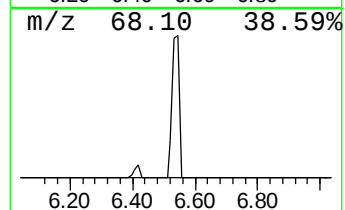
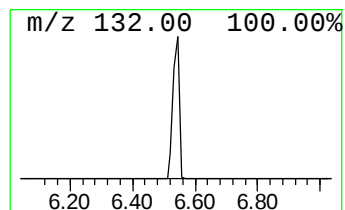
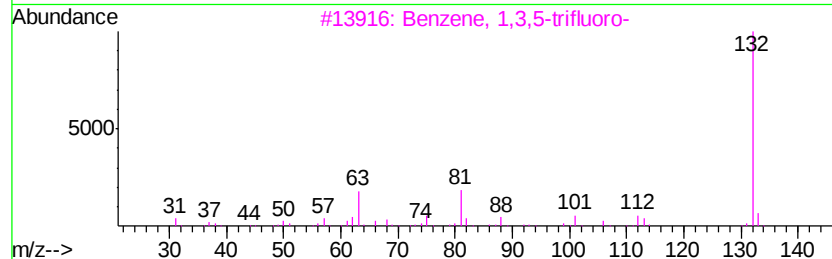
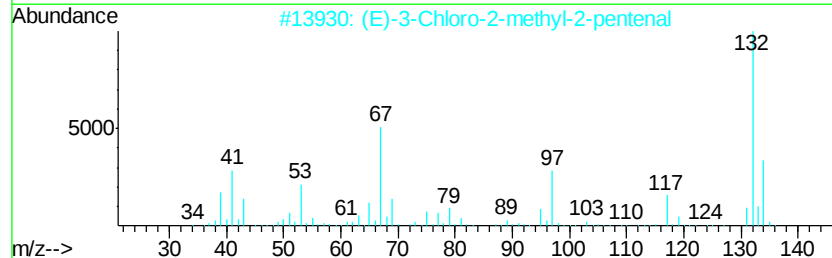
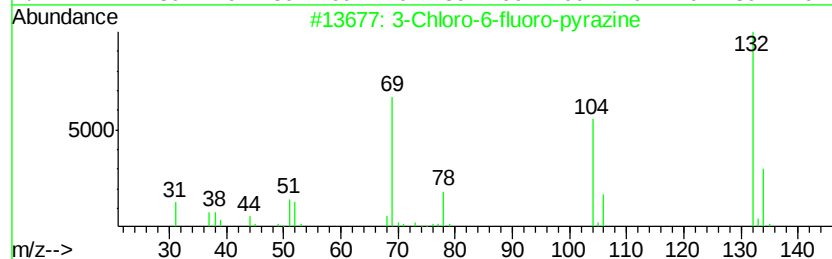
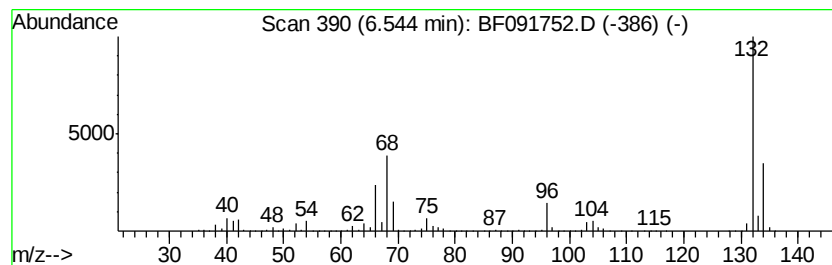
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.54 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.54	104.60 ng	8973090	1,4-Dichlorobenzene-d4	6.76

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3		Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
4		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121816\
Data File : BF091752.D
Acq On : 18 Dec 2016 22:31
Operator : UM/SJ
Sample : H6099-08
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP06-2.5-3FT

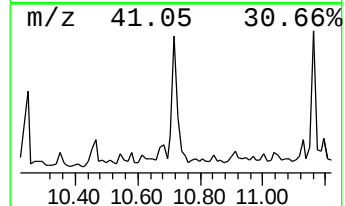
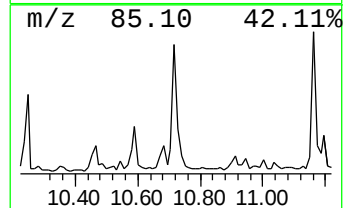
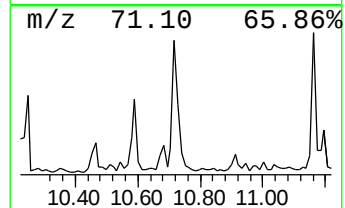
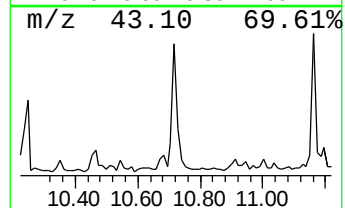
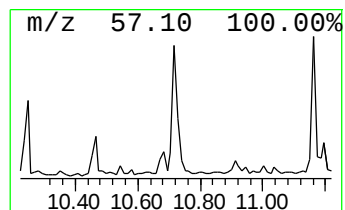
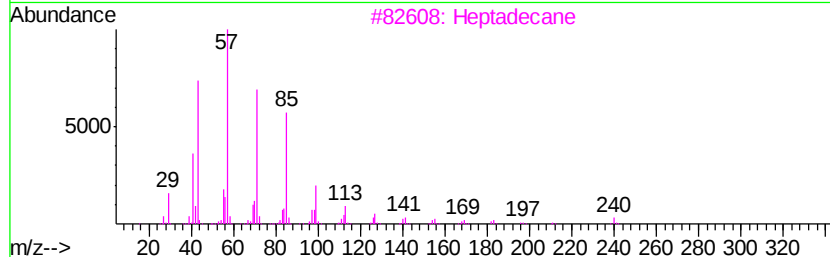
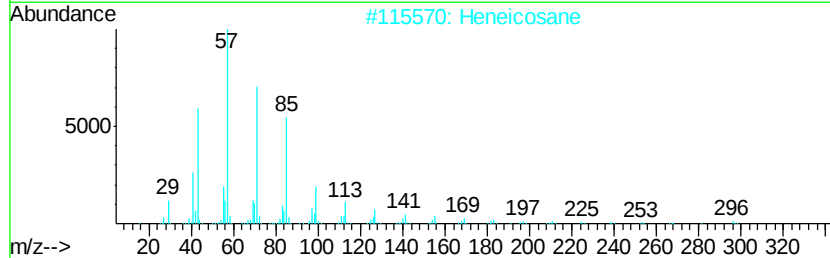
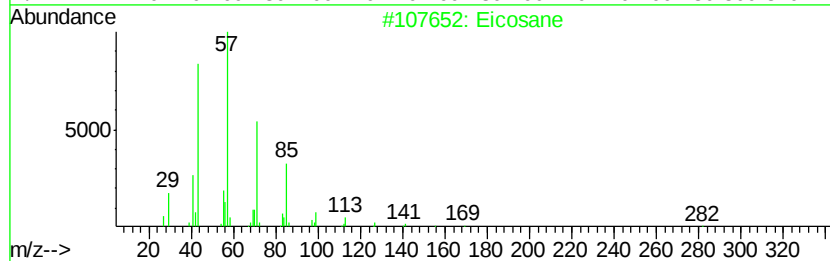
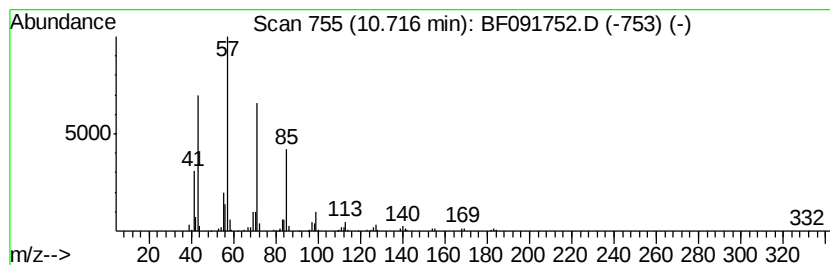
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Eicosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.72	2.81 ng	372104	Phenanthrene-d10	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	91
2		Heneicosane	296	C21H44	000629-94-7	90
3		Heptadecane	240	C17H36	000629-78-7	90
4		Pentadecane	212	C15H32	000629-62-9	90
5		Nonadecane	268	C19H40	000629-92-5	87



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121816\
Data File : BF091752.D
Acq On : 18 Dec 2016 22:31
Operator : UM/SJ
Sample : H6099-08
Misc :
ALS Vial : 41 Sample Multiplier: 1

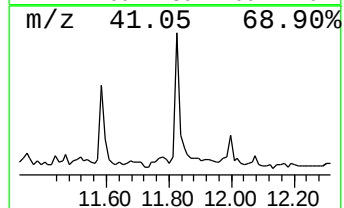
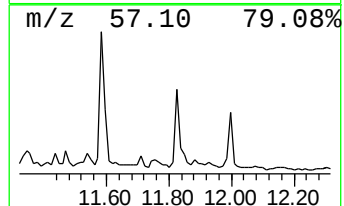
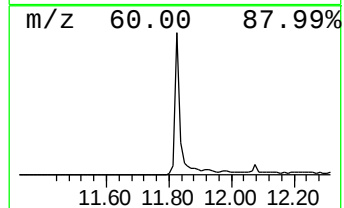
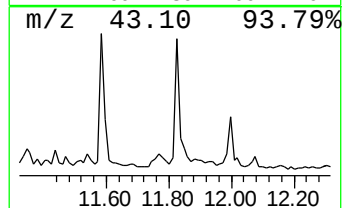
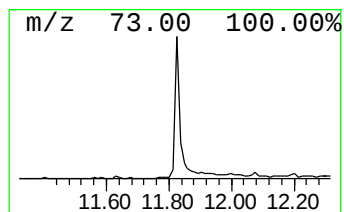
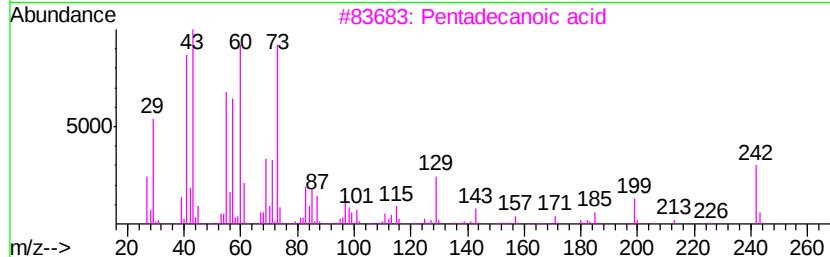
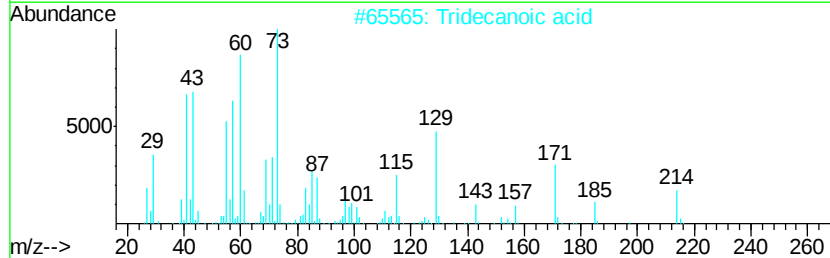
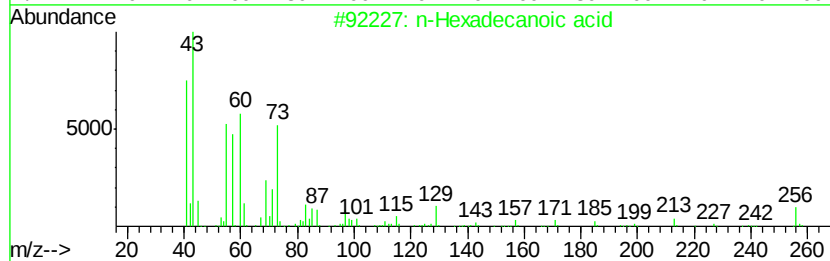
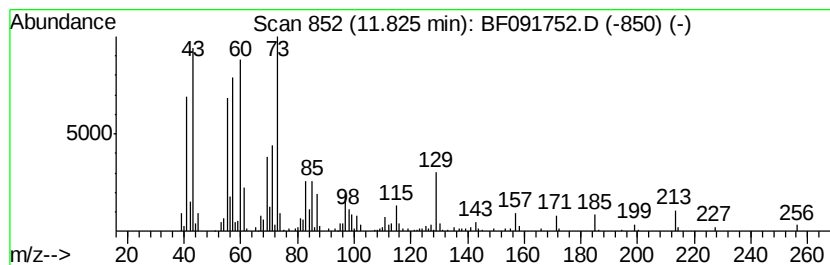
Instrument :
BNA_F
ClientSampleId :
TP06-2.5-3FT

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 n-Hexadecanoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.82	3.40 ng	450358	Phenanthrene-d10	11.29	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
2	Tridecanoic acid	214	C13H26O2	000638-53-9	92
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5	.beta.-D-Mannofuranoside, 1-O-(1...	332	C17H32O6	1000155-29-9	25



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121816\
Data File : BF091752.D
Acq On : 18 Dec 2016 22:31
Operator : UM/SJ
Sample : H6099-08
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP06-2.5-3FT

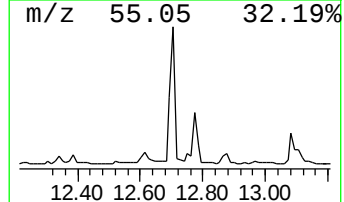
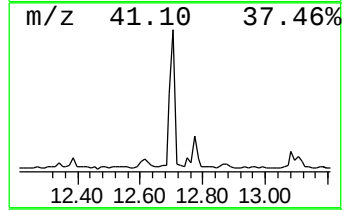
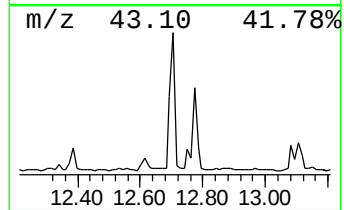
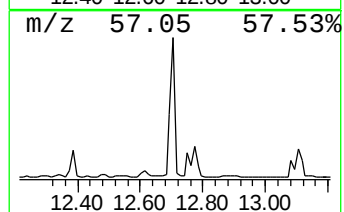
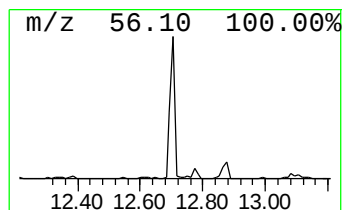
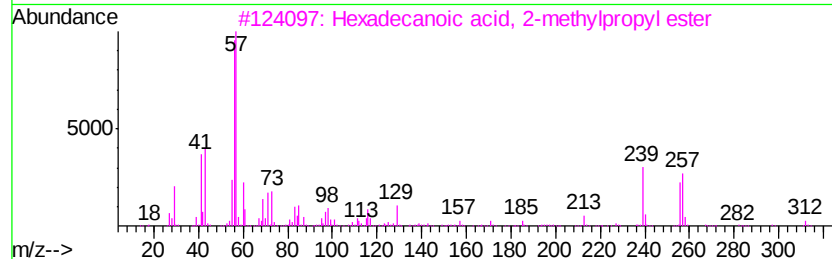
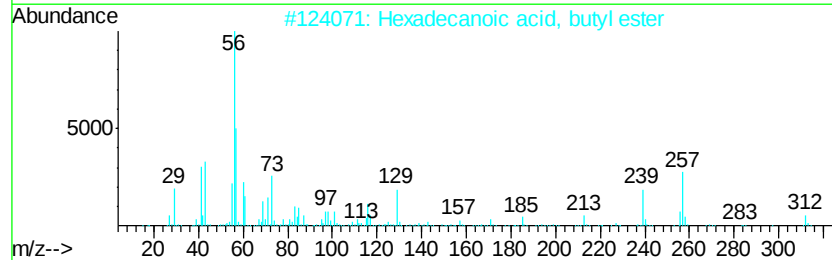
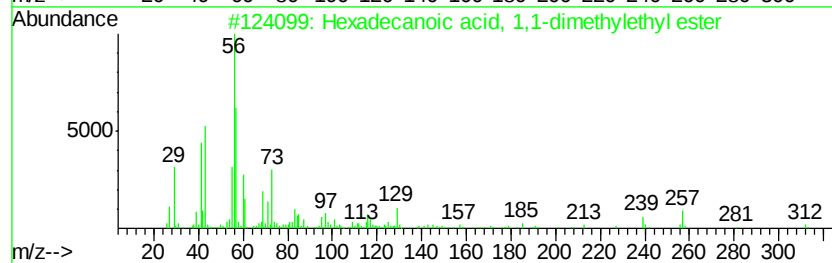
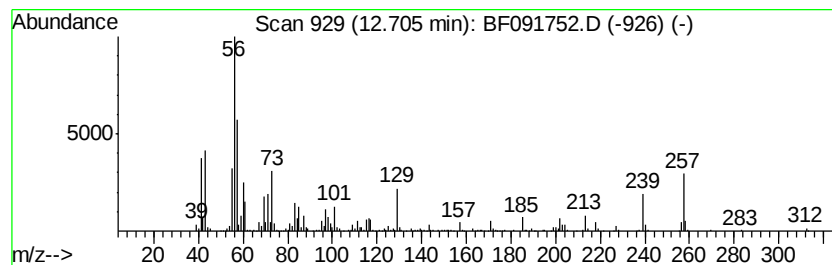
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Hexadecanoic acid, 1,1-dime... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.71	8.75 ng	1150580	Chrysene-d12	13.92

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecanoic acid, 1,1-dimethyle...	312	C20H40O2	031158-91-5	92
2			Hexadecanoic acid, butyl ester	312	C20H40O2	000111-06-8	91
3			Hexadecanoic acid, 2-methylpropyl...	312	C20H40O2	000110-34-9	58
4			Cyclobutane, 1,1-dimethyl-2-octyl-	196	C14H28	062338-30-1	27
5			Cyclopropane, 1-(1-methylethyl)-...	210	C15H30	041977-39-3	27



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121816\
Data File : BF091752.D
Acq On : 18 Dec 2016 22:31
Operator : UM/SJ
Sample : H6099-08
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP06-2.5-3FT

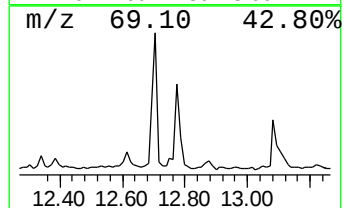
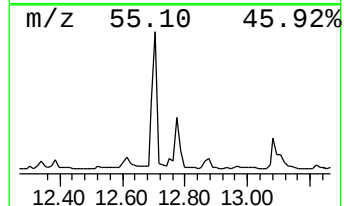
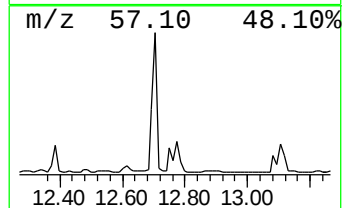
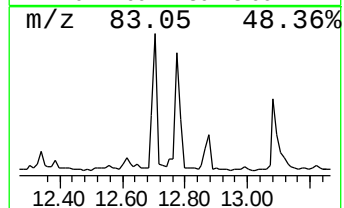
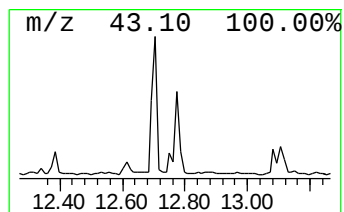
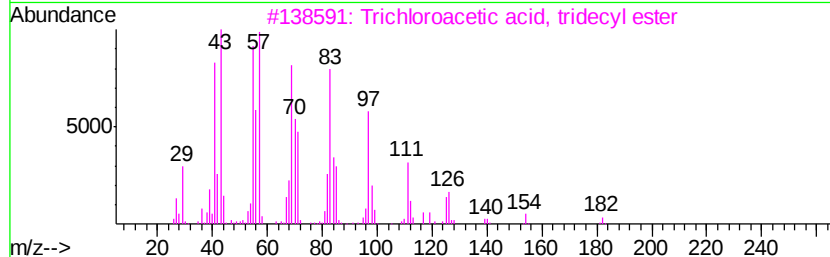
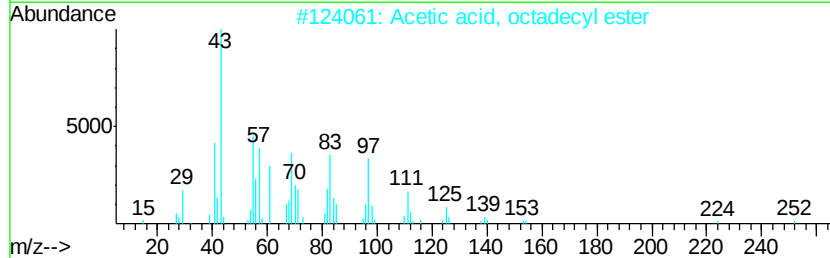
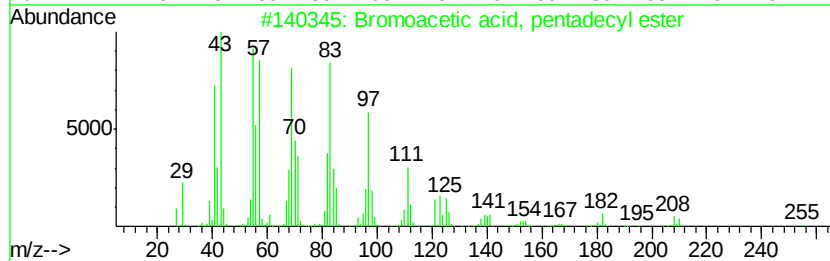
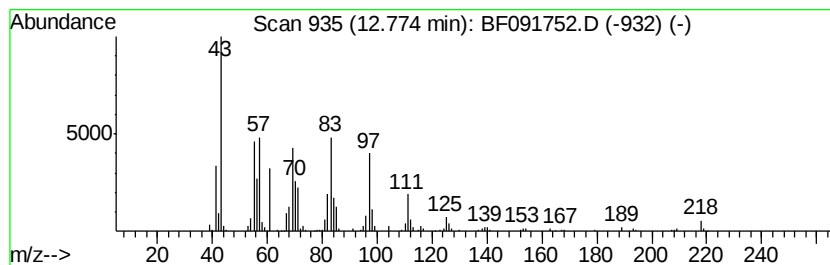
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Bromoacetic acid, pentadecyl... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	2.40 ng	316015	Chrysene-d12	13.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bromoacetic acid, pentadecyl ester	348	C17H33BrO2	131143-01-6	81
2		Acetic acid, octadecyl ester	312	C20H40O2	000822-23-1	74
3		Trichloroacetic acid, tridecyl e...	344	C15H27Cl3O2	074339-51-8	68
4		11-Tricosene	322	C23H46	052078-56-5	64
5		1-Tetradecanol, acetate	256	C16H32O2	000638-59-5	62



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121816\
Data File : BF091752.D
Acq On : 18 Dec 2016 22:31
Operator : UM/SJ
Sample : H6099-08
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP06-2.5-3FT

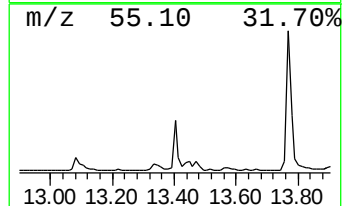
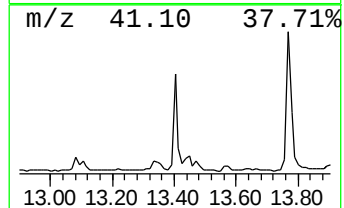
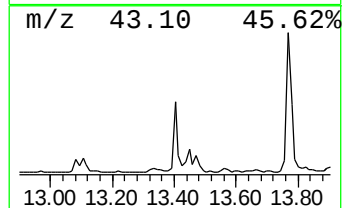
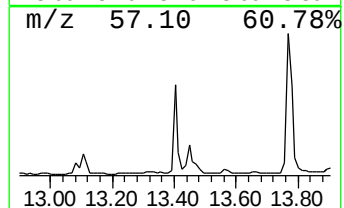
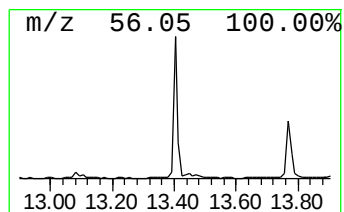
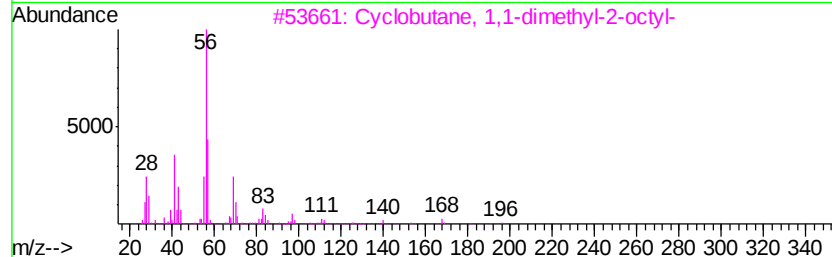
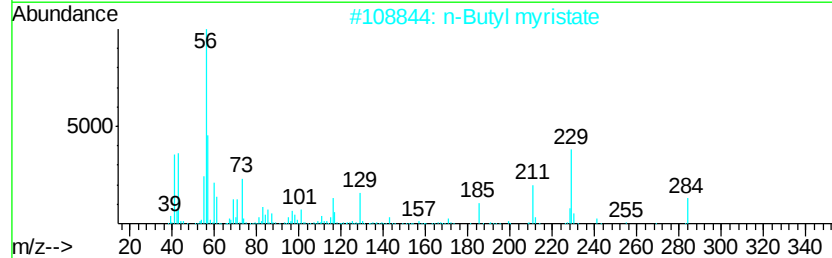
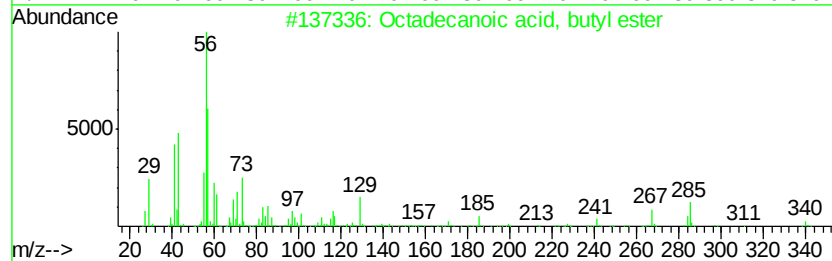
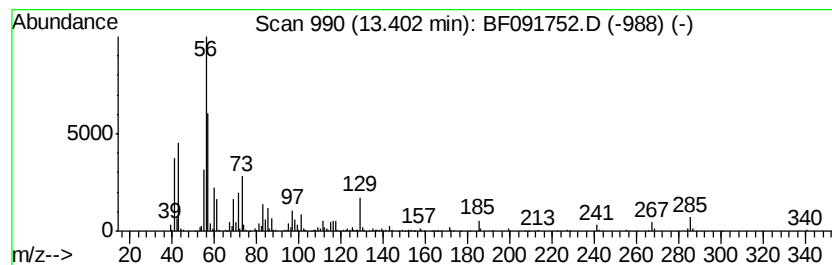
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Octadecanoic acid, butyl ester Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.40	5.60 ng	736572	Chrysene-d12	13.92

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid, butyl ester	340	C22H44O2	000123-95-5	87
2			n-Butyl myristate	284	C18H36O2	000110-36-1	80
3			Cyclobutane, 1,1-dimethyl-2-octyl-	196	C14H28	062338-30-1	38
4			Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	35
5			Cyclobutane, 1-hexyl-2,3-dimethyl-	168	C12H24	055170-84-8	32



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121816\
Data File : BF091752.D
Acq On : 18 Dec 2016 22:31
Operator : UM/SJ
Sample : H6099-08
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP06-2.5-3FT

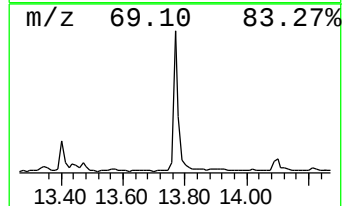
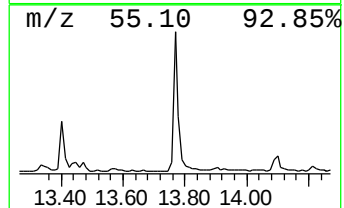
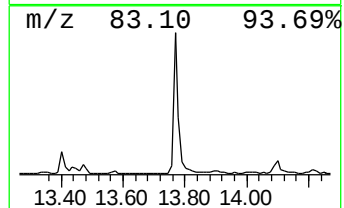
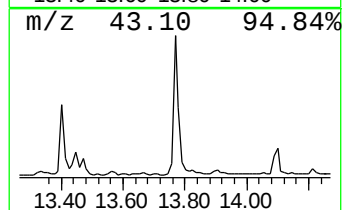
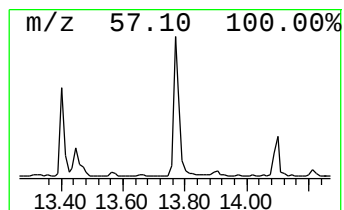
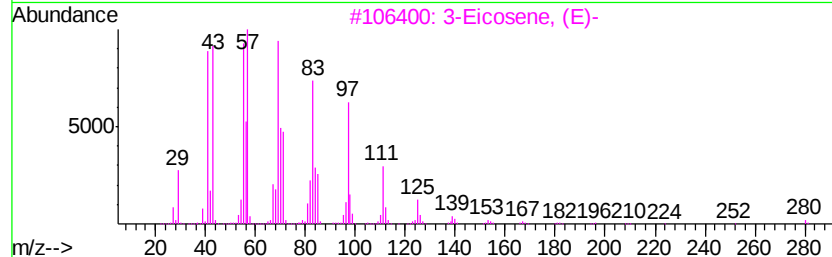
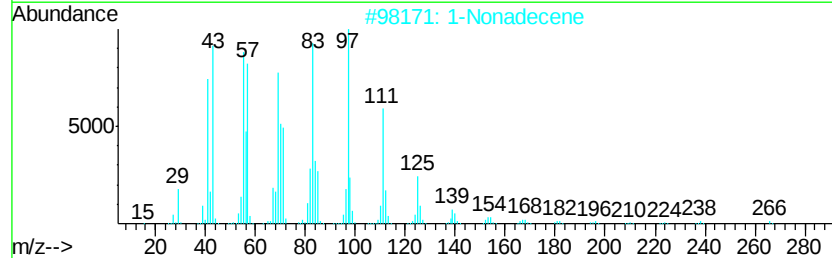
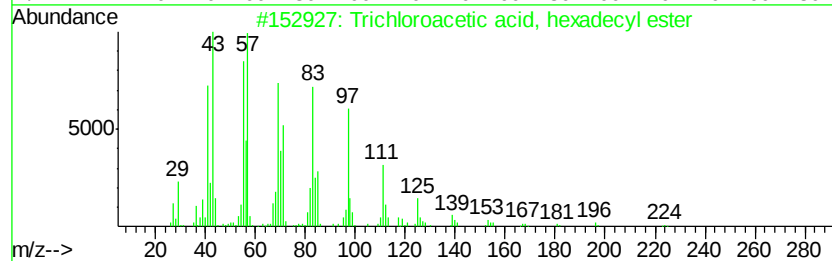
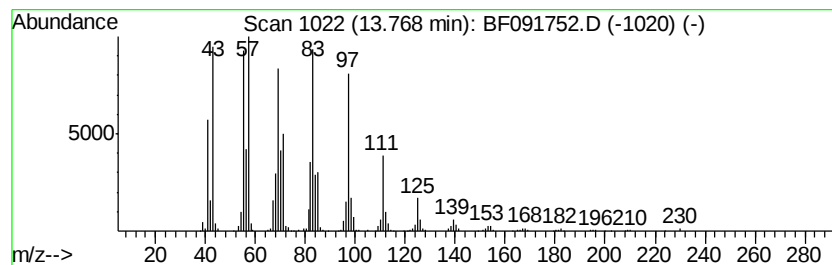
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Trichloroacetic acid, hexad... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	11.83 ng	1556930	Chrysene-d12	13.92

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	94
2		1-Nonadecene	266	C19H38	018435-45-5	91
3		3-Eicosene, (E)-	280	C20H40	074685-33-9	91
4		Cyclohexadecane	224	C16H32	000295-65-8	91
5		Trichloroacetic acid, tetradecyl...	358	C16H29Cl3O2	074339-52-9	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121816\
Data File : BF091752.D
Acq On : 18 Dec 2016 22:31
Operator : UM/SJ
Sample : H6099-08
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP06-2.5-3FT

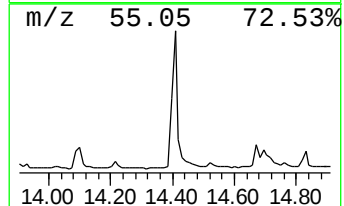
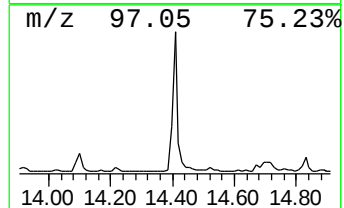
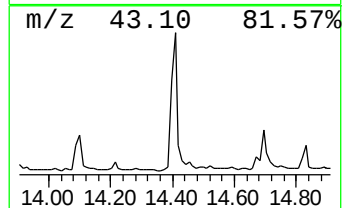
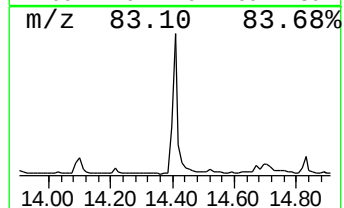
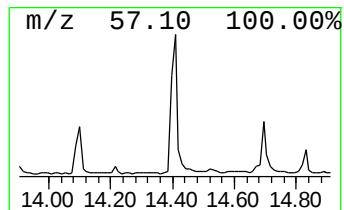
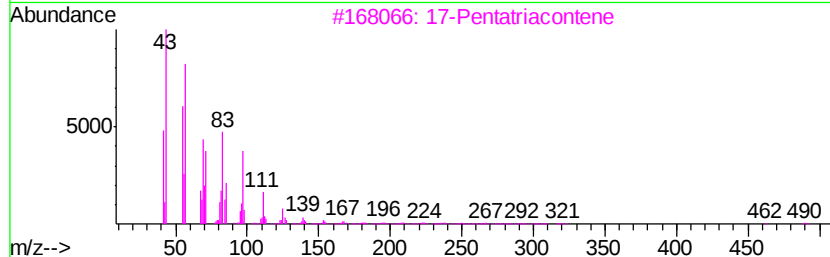
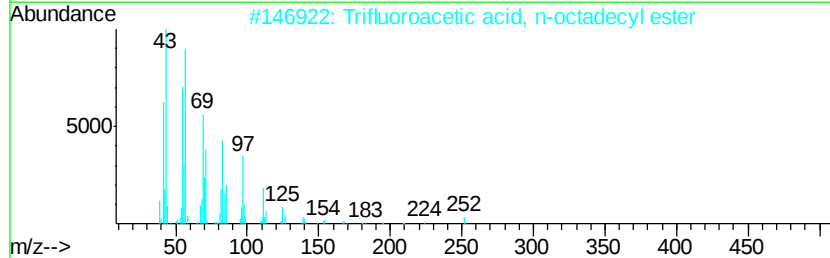
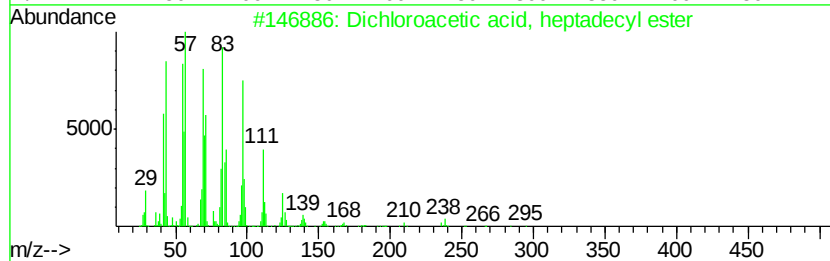
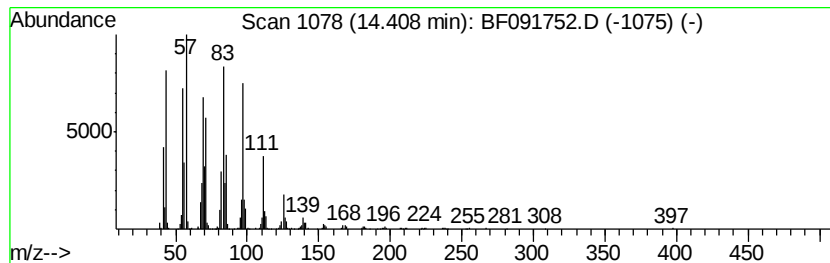
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Dichloroacetic acid, heptad... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.41	9.18 ng	1208010	Chrysene-d12	13.92

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	94
2			Trifluoroacetic acid, n-octadecyl...	366	C20H37F3O2	079392-43-1	91
3			17-Pentatriacontene	491	C35H70	006971-40-0	91
4			Cyclotetracosane	336	C24H48	000297-03-0	91
5			1-Docosene	308	C22H44	001599-67-3	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121816\
Data File : BF091752.D
Acq On : 18 Dec 2016 22:31
Operator : UM/SJ
Sample : H6099-08
Misc :
ALS Vial : 41 Sample Multiplier: 1

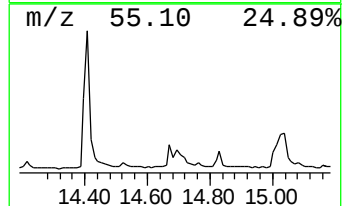
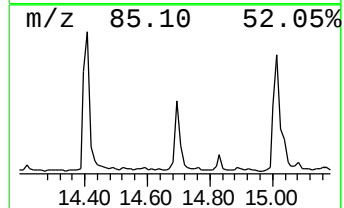
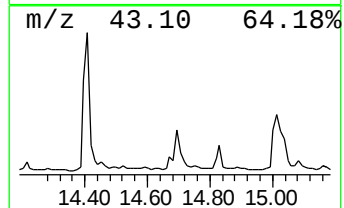
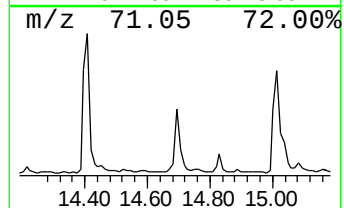
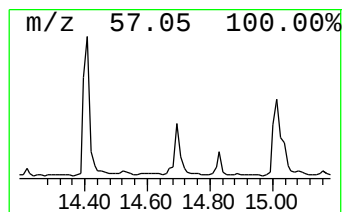
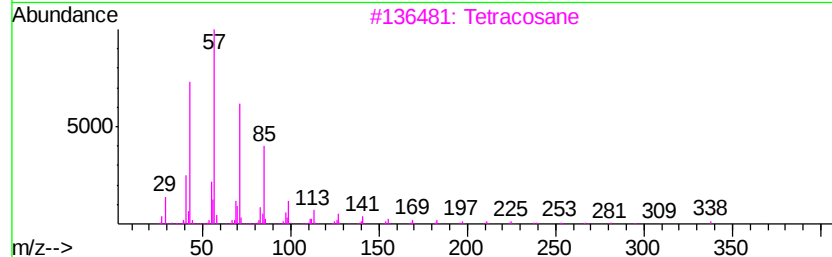
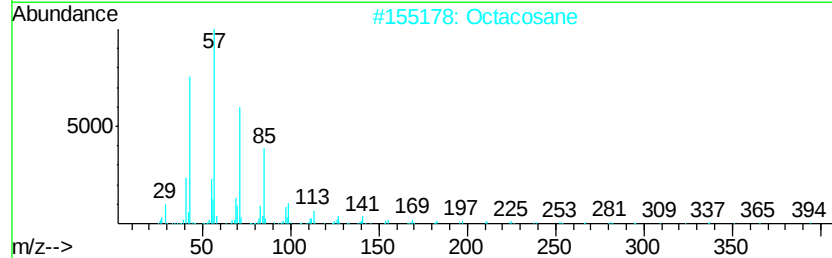
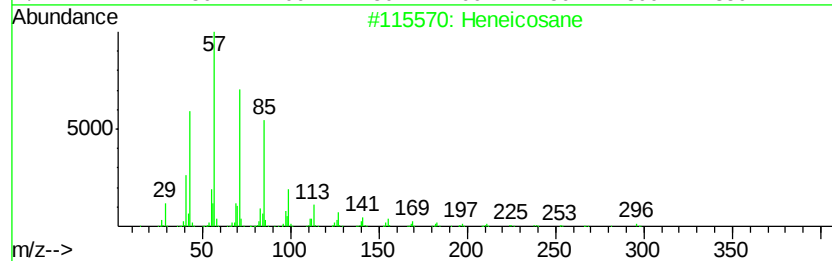
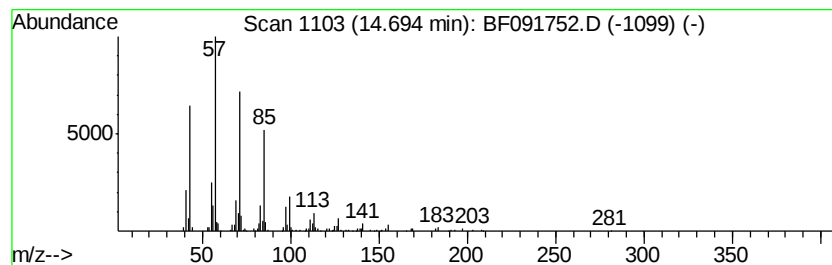
Instrument :
BNA_F
ClientSampleId :
TP06-2.5-3FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Heneicosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.69	5.11 ng	429565	Perylene-d12	15.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Octacosane	394	C28H58	000630-02-4	91
3	Tetracosane	338	C24H50	000646-31-1	90
4	Nonacosane	408	C29H60	000630-03-5	90
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121816\
Data File : BF091752.D
Acq On : 18 Dec 2016 22:31
Operator : UM/SJ
Sample : H6099-08
Misc :
ALS Vial : 41 Sample Multiplier: 1

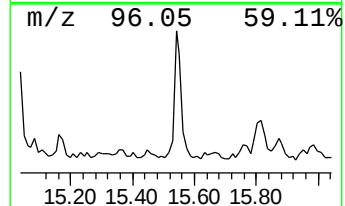
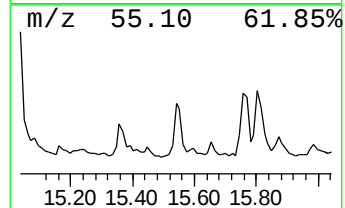
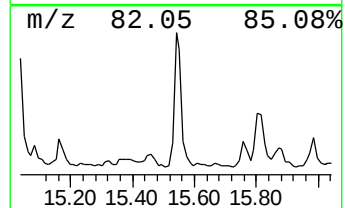
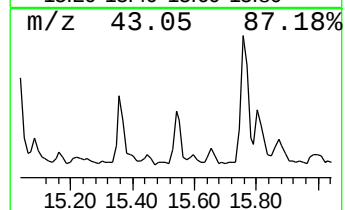
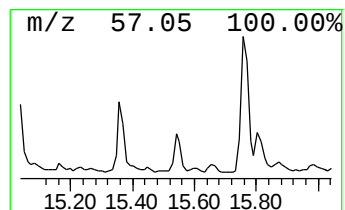
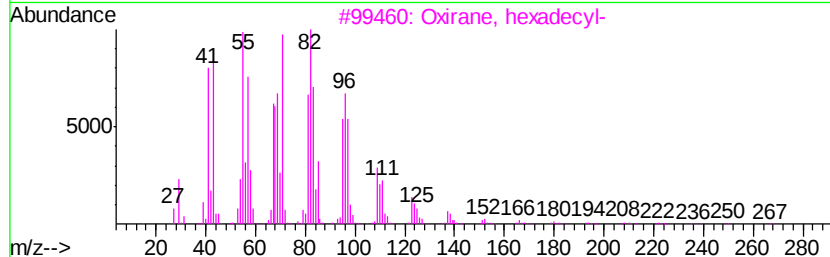
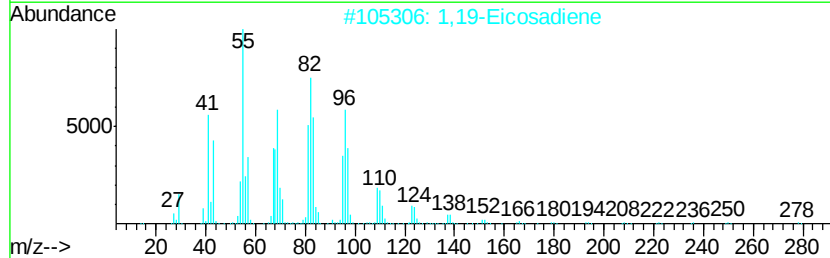
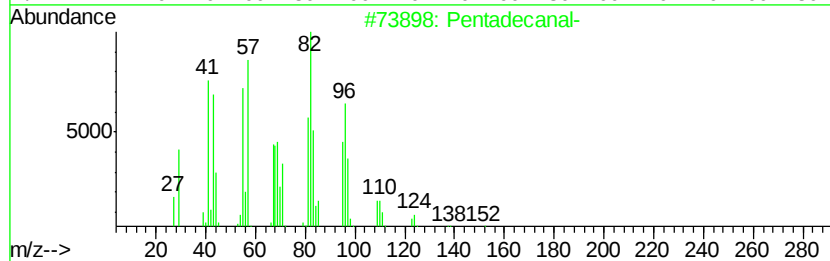
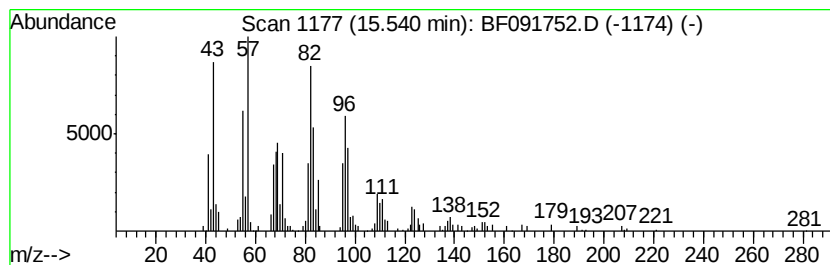
Instrument :
BNA_F
ClientSampleId :
TP06-2.5-3FT

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Pentadecanal- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	2.60 ng	218410	Perylene-d12	15.32
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Pentadecanal-	226 C15H30O	002765-11-9 83
2		1,19-Eicosadiene	278 C20H38	014811-95-1 80
3		Oxirane, hexadecyl-	268 C18H36O	007390-81-0 72
4		1,16-Hexadecanediol	258 C16H34O2	007735-42-4 64
5		1,13-Tridecanediol, diacetate	300 C17H32O4	042236-70-4 52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121816\
Data File : BF091752.D
Acq On : 18 Dec 2016 22:31
Operator : UM/SJ
Sample : H6099-08
Misc :
ALS Vial : 41 Sample Multiplier: 1

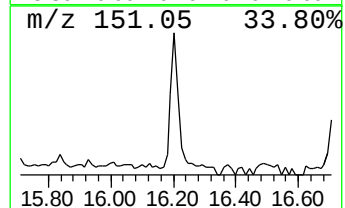
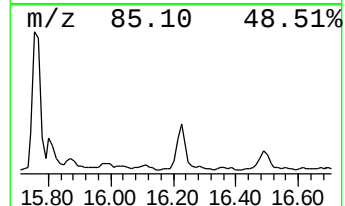
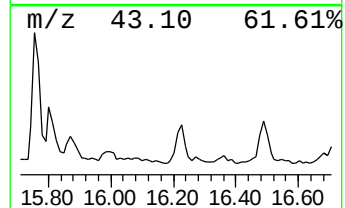
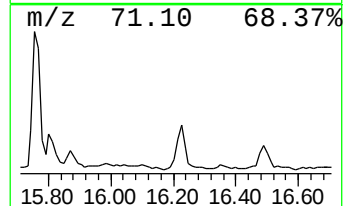
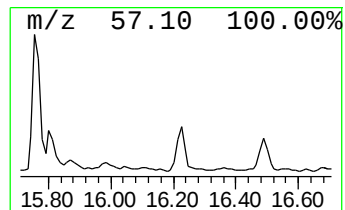
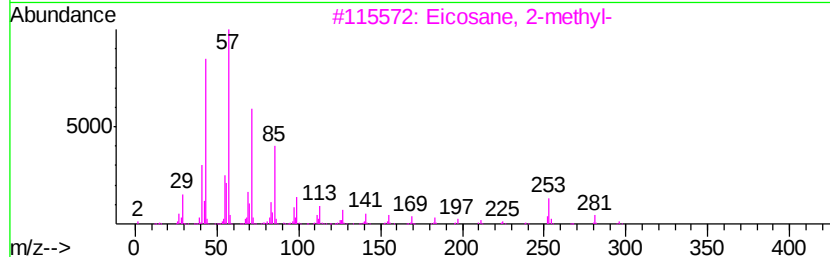
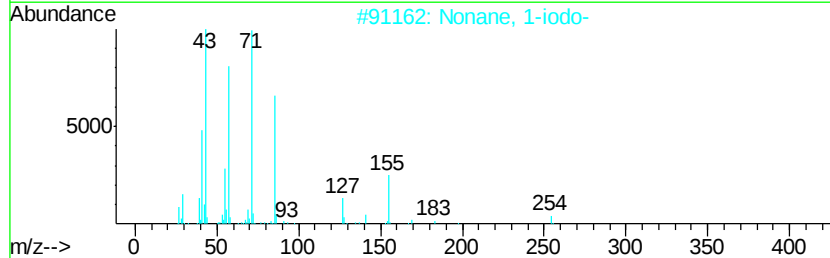
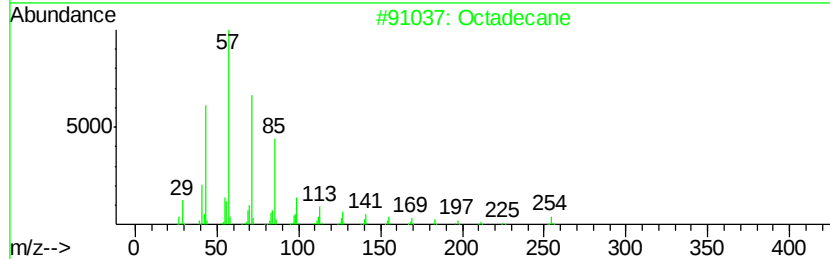
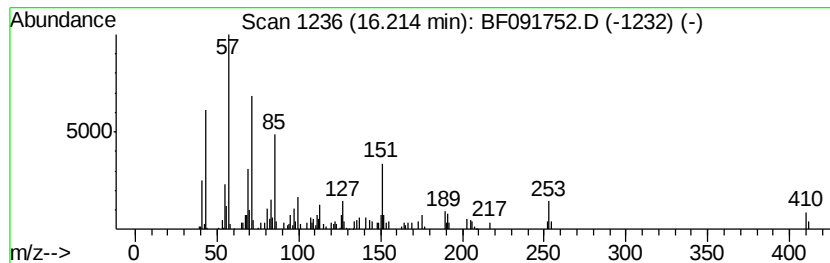
Instrument :
BNA_F
ClientSampleId :
TP06-2.5-3FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Octadecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.21	2.79 ng	234130	Perylene-d12	15.32
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Octadecane	254 C18H38	000593-45-3	91
2	Nonane, 1-iodo-	254 C9H19I	004282-42-2	78
3	Eicosane, 2-methyl-	296 C21H44	001560-84-5	62
4	Tetratriacontane	479 C34H70	014167-59-0	55
5	Octadecane, 1-iodo-	380 C18H37I	000629-93-6	52



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121816\
Data File : BF091752.D
Acq On : 18 Dec 2016 22:31
Operator : UM/SJ
Sample : H6099-08
Misc :
ALS Vial : 41 Sample Multiplier: 1

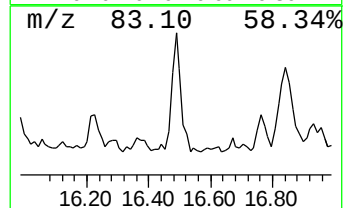
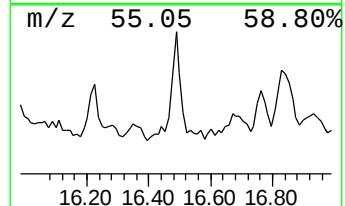
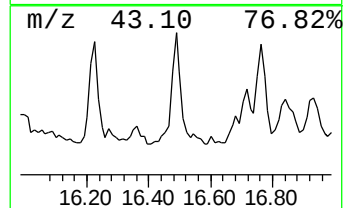
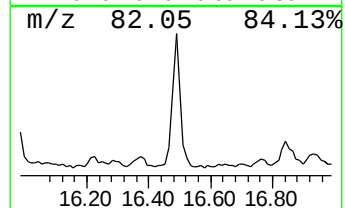
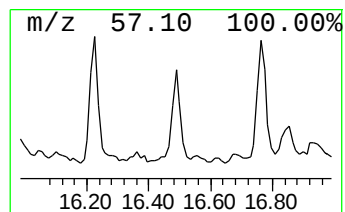
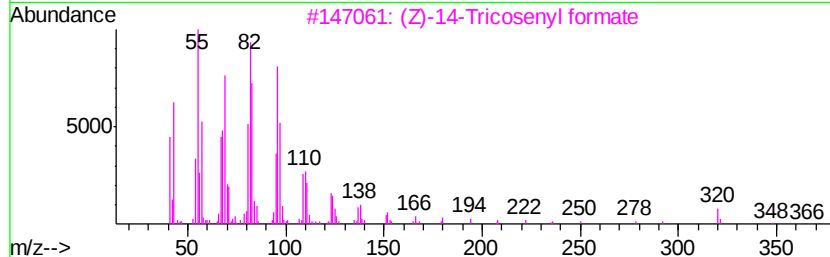
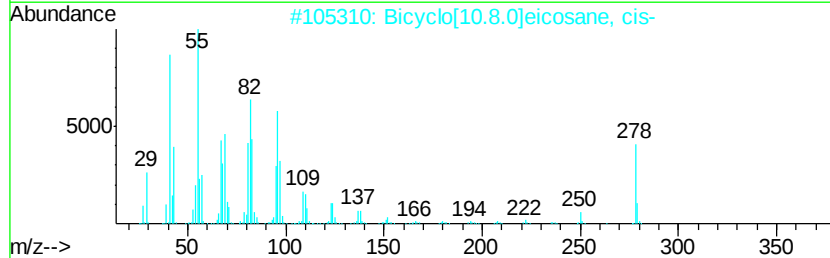
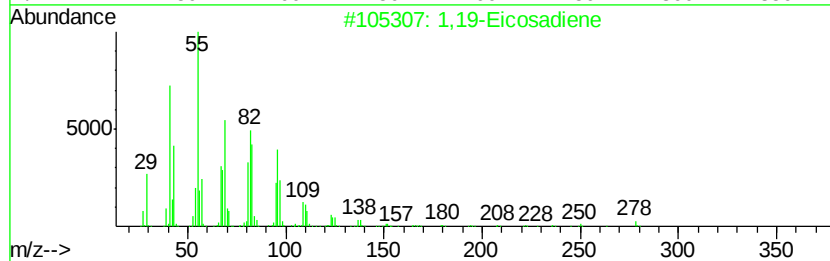
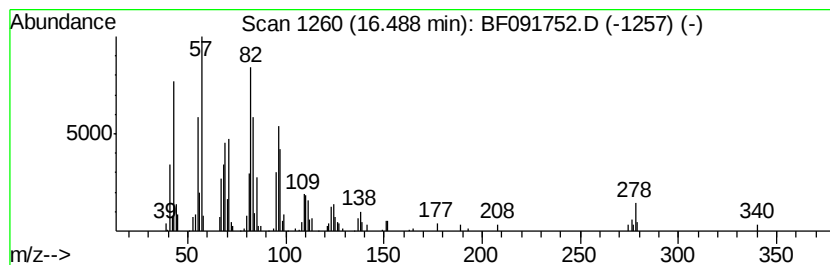
Instrument :
BNA_F
ClientSampleId :
TP06-2.5-3FT

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 1,19-Eicosadiene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	2.42 ng	203125	Perylene-d12	15.32
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1,19-Eicosadiene		278 C20H38	014811-95-1 91
2	Bicyclo[10.8.0]eicosane, cis-		278 C20H38	1000155-82-2 87
3	(Z)-14-Tricosenyl formate		366 C24H46O2	077899-10-6 83
4	17-Octadecenal		266 C18H34O	056554-86-0 80
5	Oxirane, hexadecyl-		268 C18H36O	007390-81-0 76



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121816\
Data File : BF091752.D
Acq On : 18 Dec 2016 22:31
Operator : UM/SJ
Sample : H6099-08
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP06-2.5-3FT

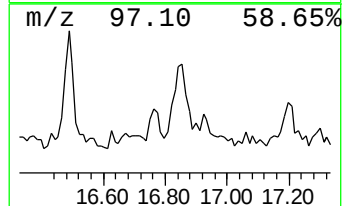
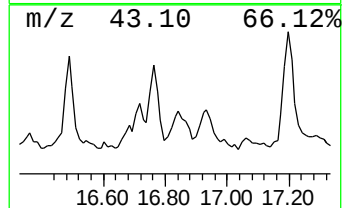
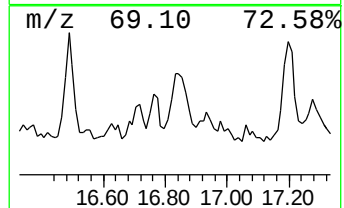
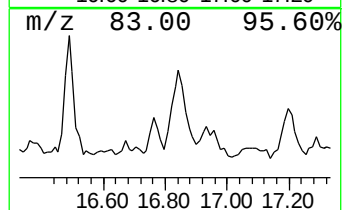
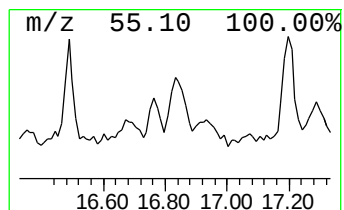
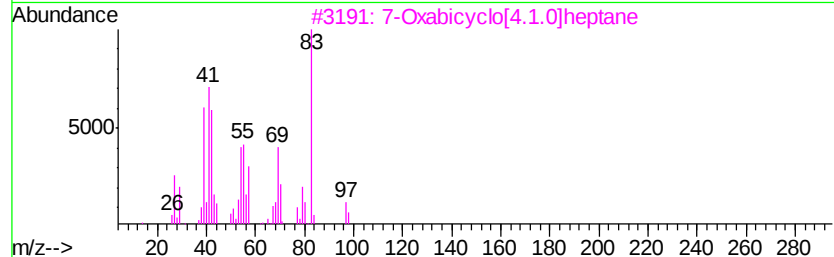
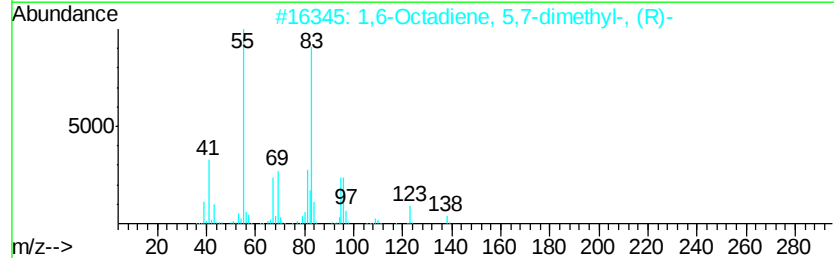
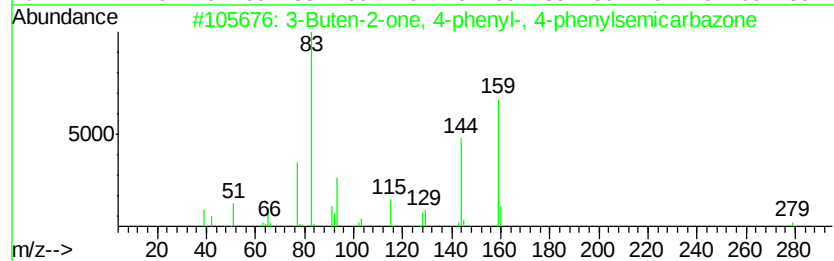
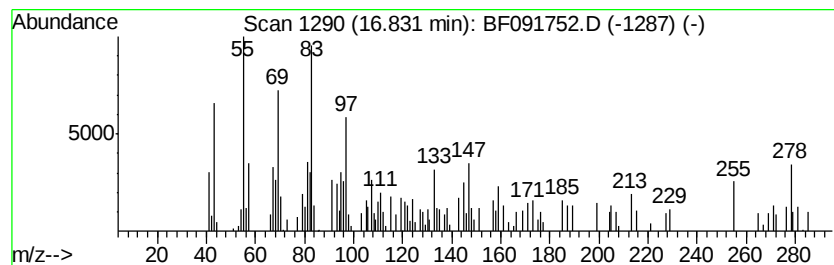
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 unknown16.83 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.83	3.00 ng	252446	Perylene-d12	15.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Buten-2-one, 4-phenyl-, 4-phen...	279	C17H17N3O	017014-34-5	25
2		1,6-Octadiene, 5,7-dimethyl-, (R)-	138	C10H18	085006-04-8	25
3		7-Oxabicyclo[4.1.0]heptane	98	C6H10O	000286-20-4	22
4		2(5H)-Furanone, 5-ethyl-	112	C6H8O2	002407-43-4	22
5		Bicyclo[3.1.1]heptan-2-one, 6,6-...	138	C9H14O	038651-65-9	22



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121816\
Data File : BF091752.D
Acq On : 18 Dec 2016 22:31
Operator : UM/SJ
Sample : H6099-08
Misc :
ALS Vial : 41 Sample Multiplier: 1

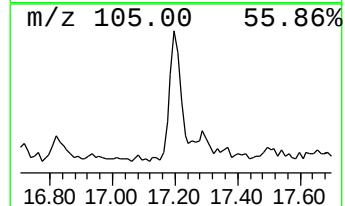
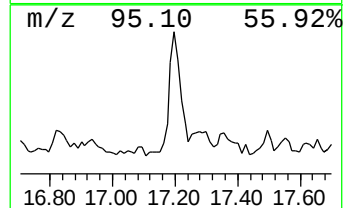
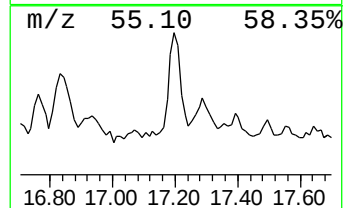
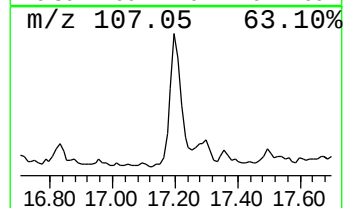
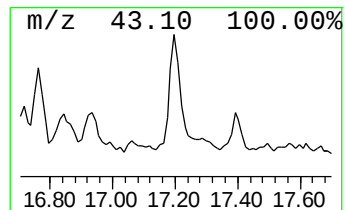
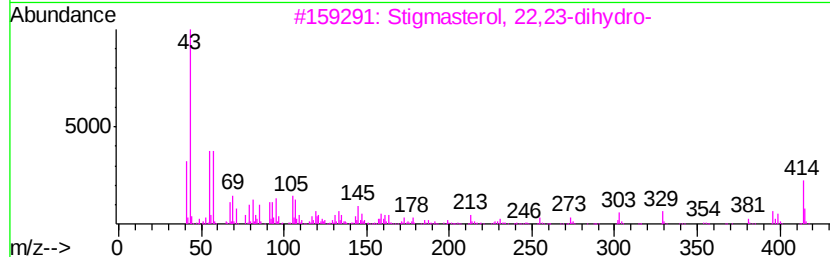
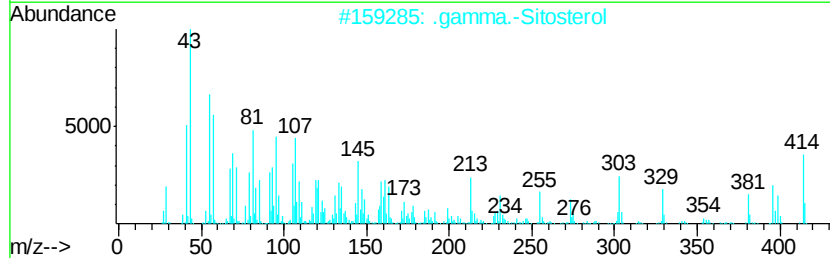
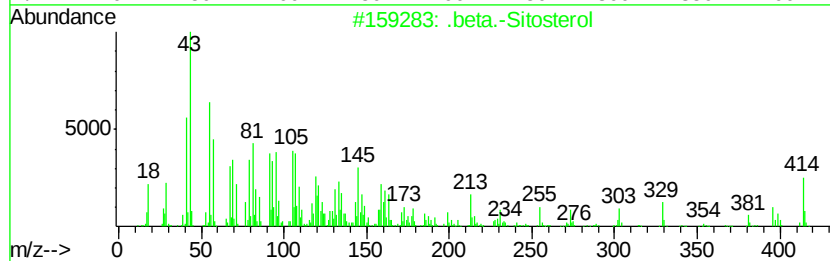
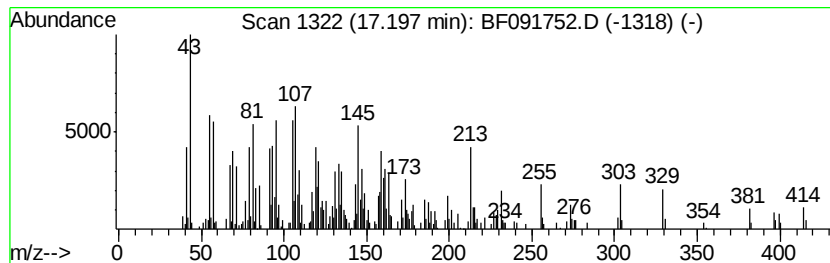
Instrument :
BNA_F
ClientSampleId :
TP06-2.5-3FT

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 .beta.-Sitosterol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.20	7.43 ng	624499	Perylene-d12	15.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Sitosterol	414	C29H50O	000083-46-5	99
2	.gamma.-Sitosterol	414	C29H50O	000083-47-6	99
3	Stigmasterol, 22,23-dihydro-	414	C29H50O	1000214-20-7	81
4	Isocholesteryl methyl ether	400	C28H48O	029944-53-4	52
5	5-Cholestene-3-ol, 24-methyl-	400	C28H48O	1000214-17-4	49



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121816\
Data File : BF091752.D
Acq On : 18 Dec 2016 22:31
Operator : UM/SJ
Sample : H6099-08
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP06-2.5-3FT

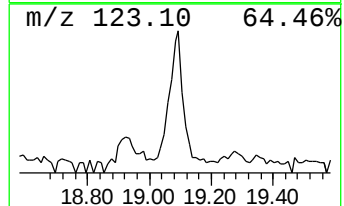
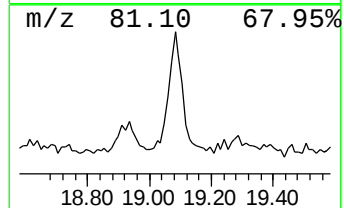
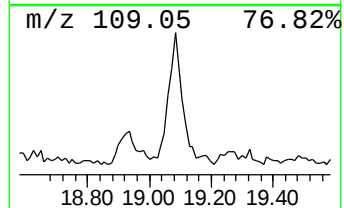
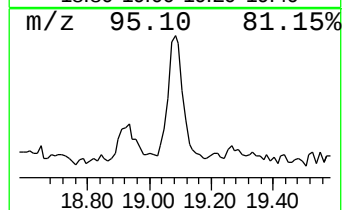
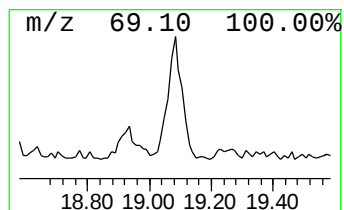
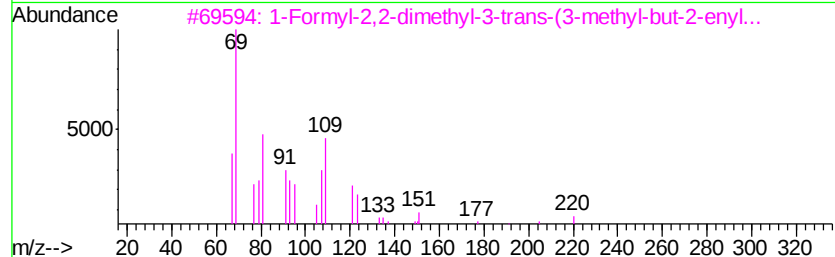
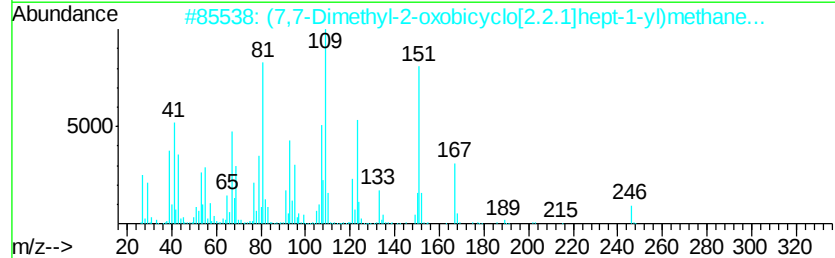
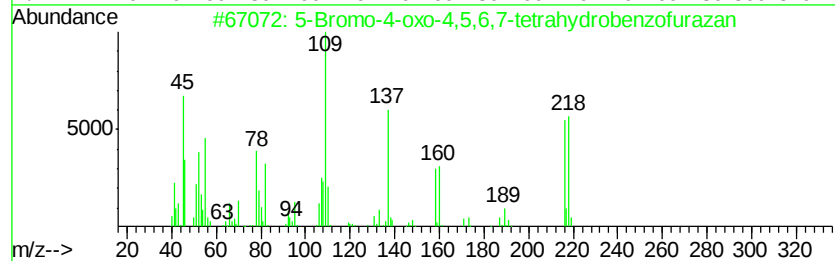
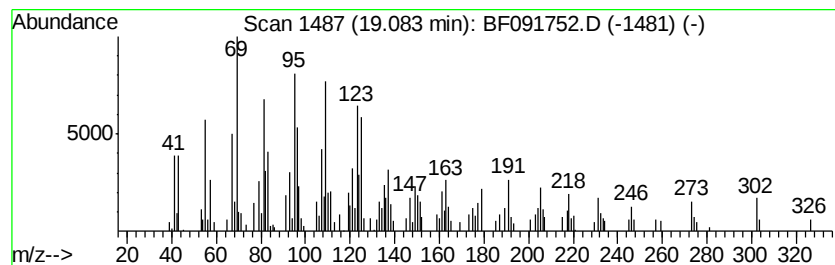
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 5-Bromo-4-oxo-4,5,6,7-tetra... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.08	5.10 ng	428726	Perylene-d12	15.32

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5-Bromo-4-oxo-4,5,6,7-tetrahydro...	216	C6H5BrN2O2	300574-36-1	68
2			(7,7-Dimethyl-2-oxobicyclo[2.2.1]...	246	C11H18O4S	1000197-55-6	56
3			1-Formyl-2,2-dimethyl-3-trans-(3...	220	C15H24O	1000144-09-7	41
4			Bicyclo[3.1.1]heptan-3-one, 2-(b...	192	C13H20O	1000163-96-1	38
5			1-Hydroxymethyl-2-methyl-1-cyclo...	126	C8H14O	029474-11-1	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121816\
 Data File : BF091752.D
 Acq On : 18 Dec 2016 22:31
 Operator : UM/SJ
 Sample : H6099-08
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP06-2.5-3FT

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.96	58.9	ng	5048840	1	6.76	1715640	20.0
unknown6.54	6.54	104.6	ng	8973090	1	6.76	1715640	20.0
Eicosane	10.72	2.8	ng	372104	4	11.29	2649500	20.0
n-Hexadecanoic acid	11.82	3.4	ng	450358	4	11.29	2649500	20.0
Hexadecanoic acid...	12.71	8.8	ng	1150580	5	13.92	2631130	20.0
Bromoacetic acid,...	12.77	2.4	ng	316015	5	13.92	2631130	20.0
Octadecanoic acid...	13.40	5.6	ng	736572	5	13.92	2631130	20.0
Trichloroacetic a...	13.77	11.8	ng	1556930	5	13.92	2631130	20.0
Dichloroacetic ac...	14.41	9.2	ng	1208010	5	13.92	2631130	20.0
Heneicosane	14.69	5.1	ng	429565	6	15.32	1680290	20.0
Pentadecanal-	15.54	2.6	ng	218410	6	15.32	1680290	20.0
Octadecane	16.21	2.8	ng	234130	6	15.32	1680290	20.0
1,19-Eicosadiene	16.49	2.4	ng	203125	6	15.32	1680290	20.0
unknown16.83	16.83	3.0	ng	252446	6	15.32	1680290	20.0
.beta.-Sitosterol	17.20	7.4	ng	624499	6	15.32	1680290	20.0
5-Bromo-4-oxo-4,5...	19.08	5.1	ng	428726	6	15.32	1680290	20.0