

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
 Data File : BF082147.D
 Acq On : 9 Oct 2015 16:07
 Operator : UM/IZ
 Sample : G3963-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PROPOSED-TOPSOIL

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-BF092815.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	5.029	250	253	266	rVB	648128	1097176	47.73%	3.264%
2	5.452	287	290	292	rBV	1726886	1921464	83.58%	5.717%
3	6.480	377	380	383	rBV	1263196	1941822	84.47%	5.777%
4	6.617	389	392	394	rBV	2086969	2095442	91.15%	6.234%
5	6.846	410	412	416	rBV	692876	730269	31.77%	2.173%
6	6.926	416	419	421	rVB2	14000	23939	1.04%	0.071%
7	7.006	424	426	428	rBV	1720160	1657524	72.10%	4.931%
8	7.417	459	462	468	rBV	1147719	1235473	53.74%	3.676%
9	7.509	468	470	476	rVV	28194	59738	2.60%	0.178%
10	7.600	476	478	481	rVB	26566	27049	1.18%	0.080%
11	8.138	522	525	527	rBV	973909	911519	39.65%	2.712%
12	9.086	605	608	610	rVB	32905	32239	1.40%	0.096%
13	9.212	617	619	622	rBV	1824786	2298822	100.00%	6.839%
14	9.612	652	654	660	rVB	609537	532601	23.17%	1.585%
15	9.818	670	672	674	rVB	27388	25365	1.10%	0.075%
16	9.898	676	679	681	rBV	848371	959734	41.75%	2.855%
17	10.298	712	714	715	rBV	36029	43649	1.90%	0.130%
18	10.321	715	716	718	rVB	68909	50745	2.21%	0.151%
19	10.538	732	735	738	rBV	22020	29602	1.29%	0.088%
20	10.686	745	748	750	rBV	1130058	1278645	55.62%	3.804%
21	10.789	756	757	764	rVB	68443	104756	4.56%	0.312%
22	10.892	764	766	772	rVB3	16925	27745	1.21%	0.083%
23	11.246	794	797	798	rBV	50185	68172	2.97%	0.203%
24	11.384	806	809	811	rBV	750511	899879	39.15%	2.677%
25	11.601	825	828	831	rBV4	18699	35438	1.54%	0.105%
26	11.669	832	834	839	rVB	56786	61865	2.69%	0.184%
27	11.841	846	849	850	rBV	15192	27634	1.20%	0.082%
28	11.875	850	852	853	rVV	40738	57006	2.48%	0.170%
29	11.909	853	855	861	rVV2	410266	477060	20.75%	1.419%
30	11.989	861	862	868	rVB	23065	41452	1.80%	0.123%
31	12.081	868	870	872	rBV	34568	50095	2.18%	0.149%
32	12.469	902	904	906	rBV	28801	38475	1.67%	0.114%
33	12.515	906	908	912	rVB	18735	23202	1.01%	0.069%
34	12.595	912	915	917	rBV	162827	236094	10.27%	0.702%

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35	12.629	917	918	922	rVB	108987	100441	4.37%	0.299%
36	12.687	922	923	927	rBV2	47361	72771	3.17%	0.216%
37	12.789	930	932	933	rBV	202373	237721	10.34%	0.707%
38	12.824	933	935	937	rVB2	113618	146517	6.37%	0.436%
39	12.972	945	948	950	rBV	1546504	1842004	80.13%	5.480%
40	13.189	962	967	970	rBV3	85133	172135	7.49%	0.512%
41	13.407	985	986	990	rVB4	14343	23381	1.02%	0.070%
42	13.487	991	993	995	rVV2	107917	144069	6.27%	0.429%
43	13.532	995	997	1002	rVB	63547	104752	4.56%	0.312%
44	13.658	1004	1008	1012	rBV3	56736	74749	3.25%	0.222%
45	13.772	1014	1018	1019	rBV3	18363	42890	1.87%	0.128%
46	13.864	1023	1026	1029	rBV	578948	880116	38.29%	2.618%
47	14.024	1037	1040	1044	rBV2	604889	757495	32.95%	2.254%
48	14.081	1044	1045	1048	rVB	35191	28593	1.24%	0.085%
49	14.184	1051	1054	1057	rBV	153113	198012	8.61%	0.589%
50	14.275	1060	1062	1063	rBV	38047	38852	1.69%	0.116%
51	14.310	1063	1065	1067	rVB2	126914	134088	5.83%	0.399%
52	14.378	1069	1071	1073	rBV2	18456	42794	1.86%	0.127%
53	14.492	1079	1081	1085	rBV	978953	1225567	53.31%	3.646%
54	14.618	1090	1092	1094	rVB	34392	38662	1.68%	0.115%
55	14.710	1098	1100	1102	rVV2	36563	69402	3.02%	0.206%
56	14.790	1104	1107	1112	rVV2	110699	266624	11.60%	0.793%
57	14.858	1112	1113	1115	rVV	81890	79826	3.47%	0.237%
58	14.927	1117	1119	1122	rVB	261999	337970	14.70%	1.005%
59	15.052	1127	1130	1133	rBV	84610	181481	7.89%	0.540%
60	15.121	1133	1136	1141	rBV2	696420	1513208	65.83%	4.502%
61	15.281	1148	1150	1152	rBV	32526	47172	2.05%	0.140%
62	15.407	1159	1161	1163	rVB	50020	68230	2.97%	0.203%
63	15.464	1163	1166	1170	rBV	402132	687625	29.91%	2.046%
64	15.590	1175	1177	1182	rVB4	46450	86594	3.77%	0.258%
65	15.681	1182	1185	1191	rBV	381733	592348	25.77%	1.762%
66	15.910	1202	1205	1207	rBV	426517	673436	29.29%	2.004%
67	15.955	1207	1209	1213	rVB2	210286	332139	14.45%	0.988%
68	16.024	1213	1215	1217	rBV	40905	58113	2.53%	0.173%
69	16.138	1222	1225	1232	rVB2	66099	240395	10.46%	0.715%
70	16.390	1244	1247	1249	rBV	31992	67696	2.94%	0.201%
71	16.676	1268	1272	1279	rBV	197779	441836	19.22%	1.314%

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72	16.881	1286	1290	1294	rBV3	68654	178628	7.77%	0.531%
73	16.961	1294	1297	1300	rVB	75623	145495	6.33%	0.433%
74	17.030	1300	1303	1308	rBV2	115298	309269	13.45%	0.920%
75	17.304	1324	1327	1331	rVB	37429	82773	3.60%	0.246%
76	17.430	1334	1338	1343	rVV	183568	551276	23.98%	1.640%
77	17.521	1344	1346	1350	rVB3	47011	103081	4.48%	0.307%
78	17.807	1368	1371	1374	rBV3	28211	59124	2.57%	0.176%
79	17.978	1383	1386	1389	rVB4	36991	87045	3.79%	0.259%
80	18.047	1389	1392	1395	rVB3	21398	47537	2.07%	0.141%
81	18.196	1401	1405	1410	rBV4	71996	234523	10.20%	0.698%
82	18.413	1421	1424	1431	rVB3	77833	222896	9.70%	0.663%
83	18.699	1445	1449	1452	rBV3	24169	68934	3.00%	0.205%
84	19.259	1493	1498	1506	rVB6	35824	143668	6.25%	0.427%
85	19.430	1508	1513	1520	rVB2	68711	226948	9.87%	0.675%

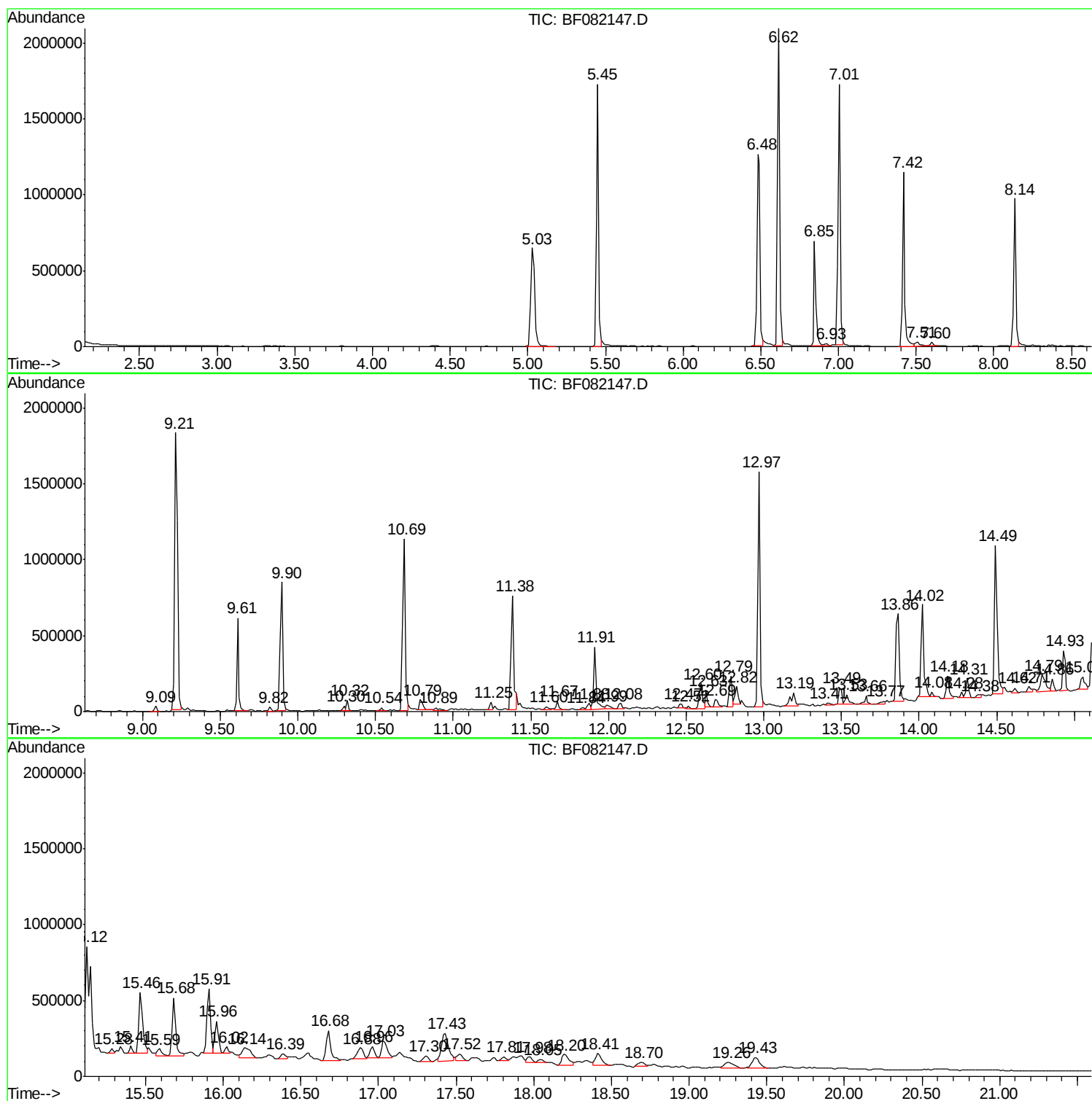
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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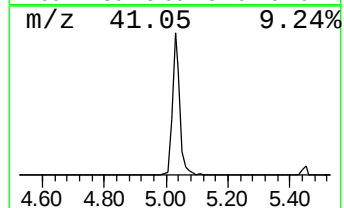
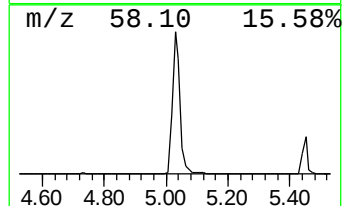
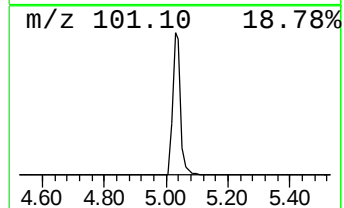
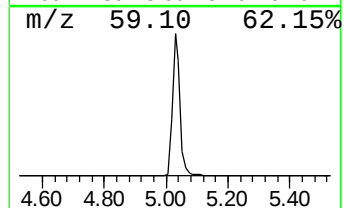
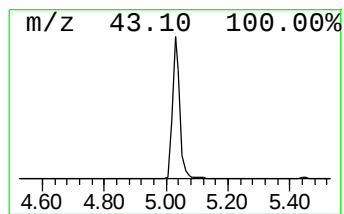
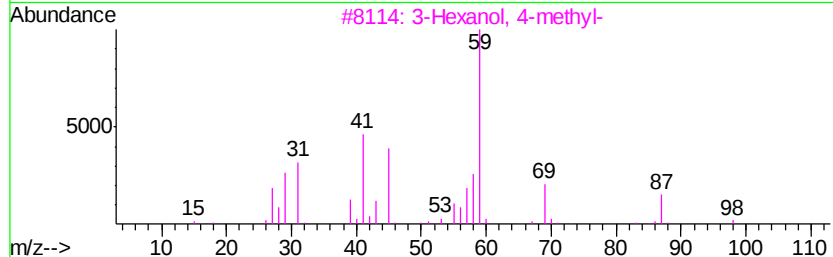
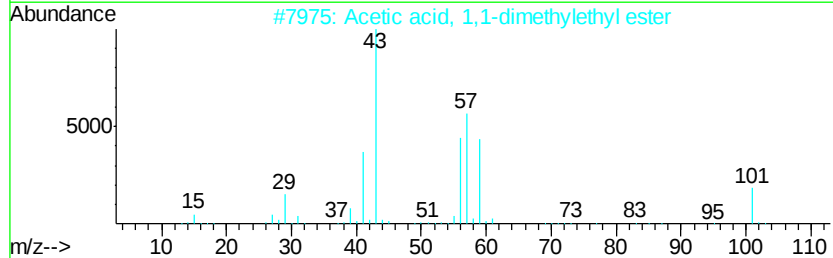
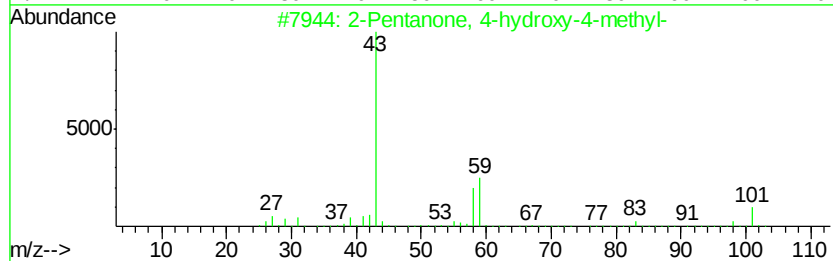
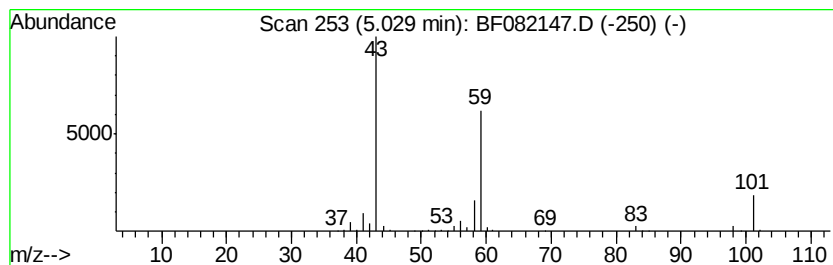
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.		
5.03	30.05 ng	1097180	1,4-Dichlorobenzene-d4	6.85		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2		000123-42-2	59
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2		000540-88-5	39
3	3-Hexanol, 4-methyl-	116	C7H16O		000615-29-2	33
4	2-Hexanol, 2-methyl-	116	C7H16O		000625-23-0	33
5	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O		017348-59-3	33



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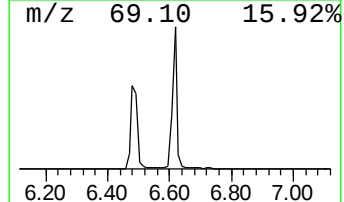
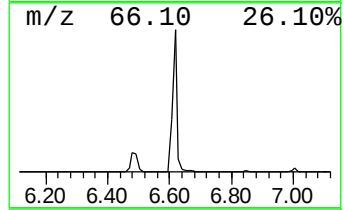
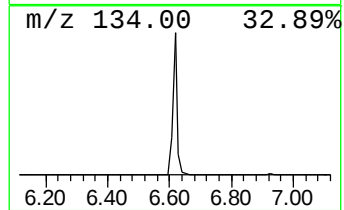
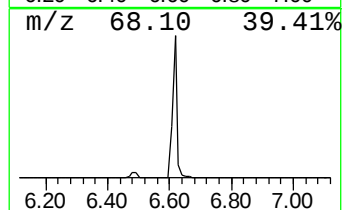
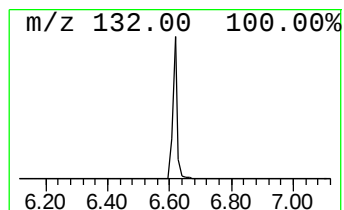
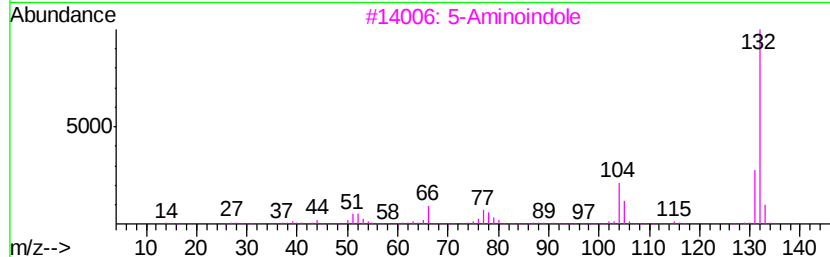
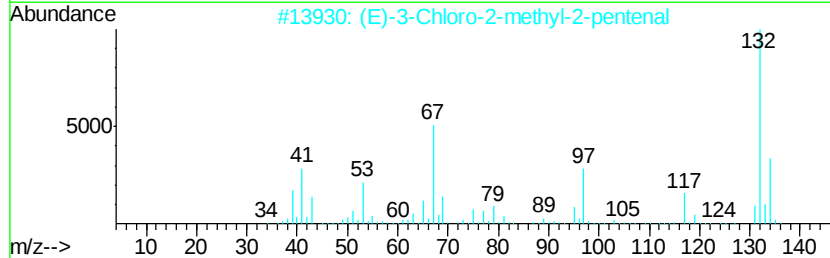
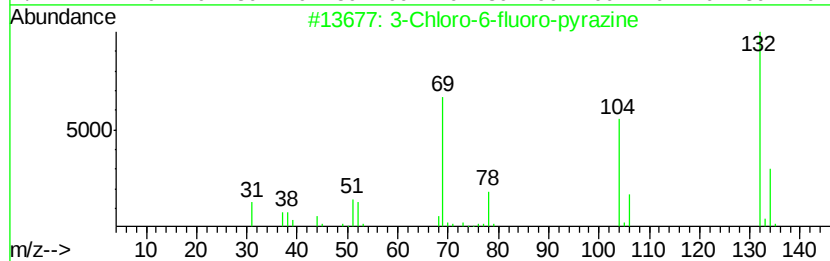
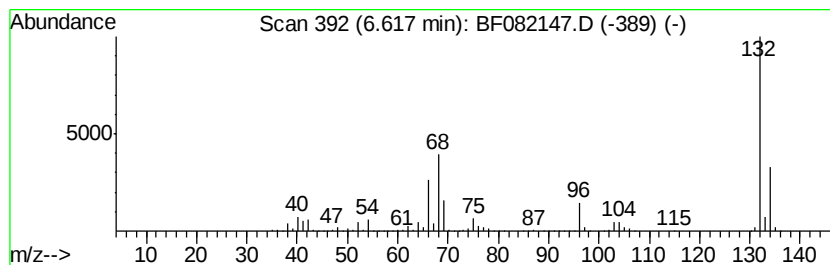
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	57.39 ng	2095440	1,4-Dichlorobenzene-d4	6.85

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	16
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



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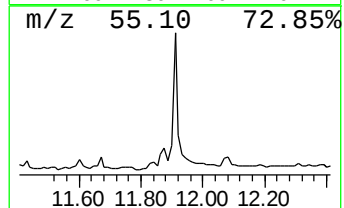
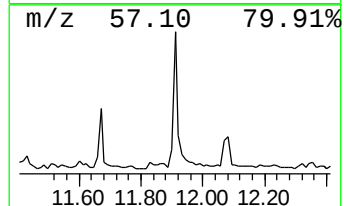
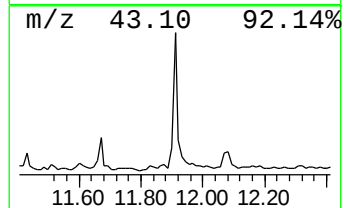
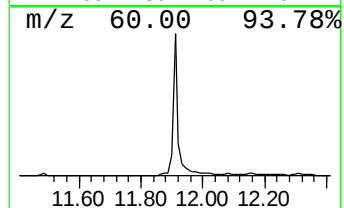
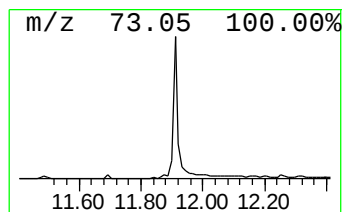
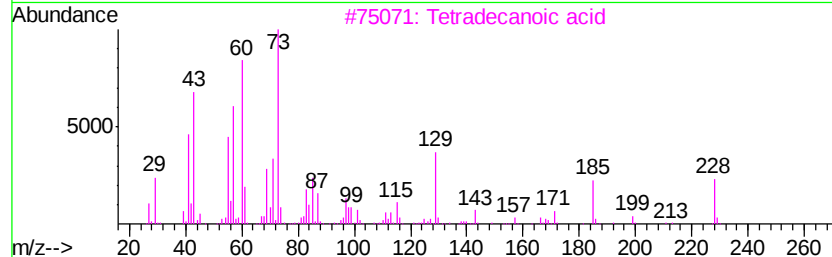
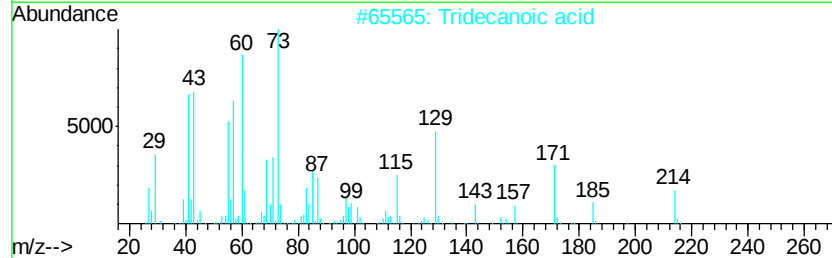
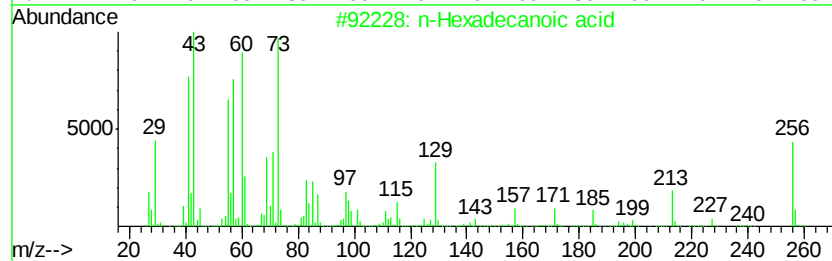
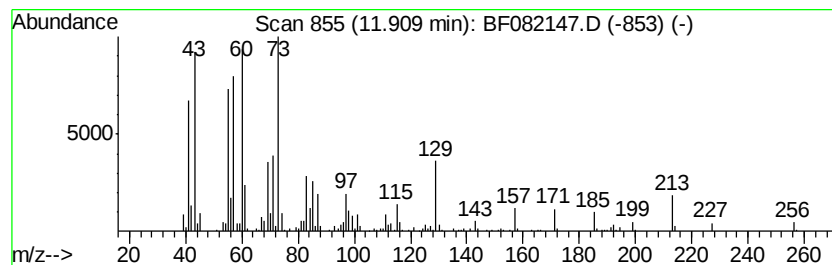
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 n-Hexadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	10.60 ng	477060	Phenanthrene-d10	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2		Tridecanoic acid	214	C13H26O2	000638-53-9	94
3		Tetradecanoic acid	228	C14H28O2	000544-63-8	86
4		Dodecane	170	C12H26	000112-40-3	11
5		Hexadecane	226	C16H34	000544-76-3	11



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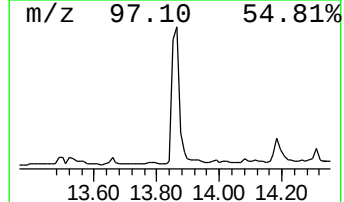
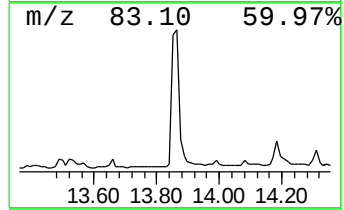
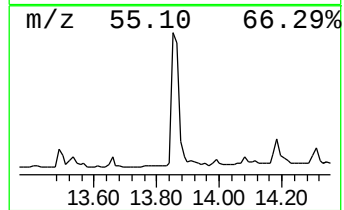
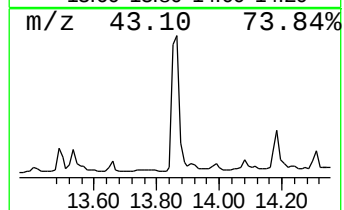
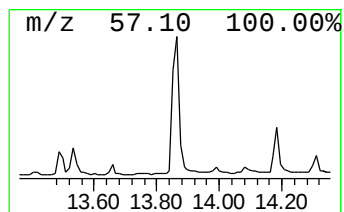
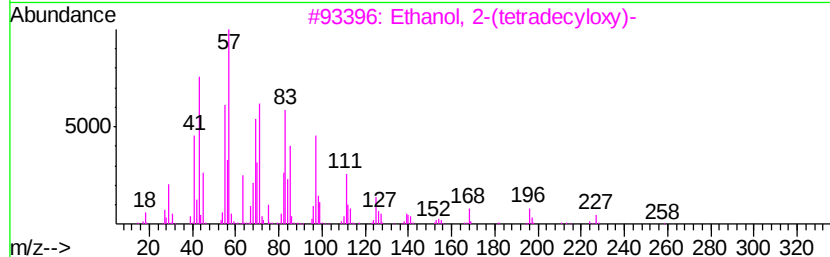
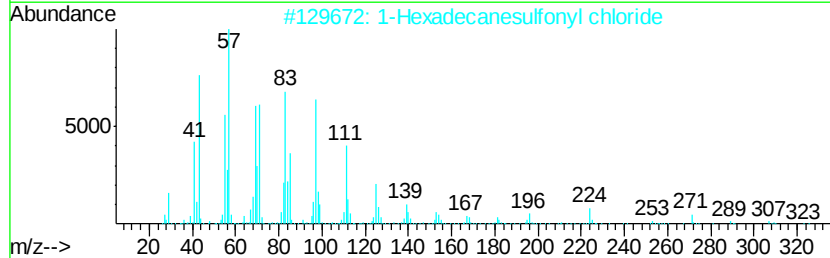
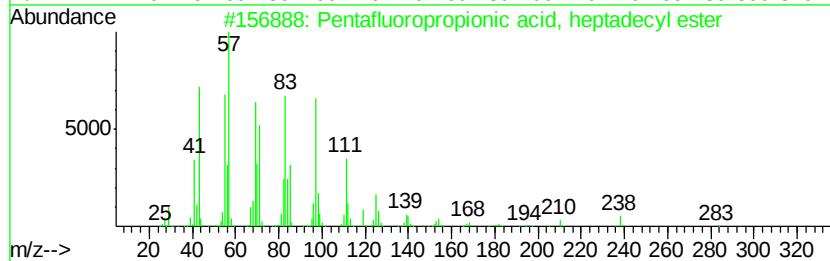
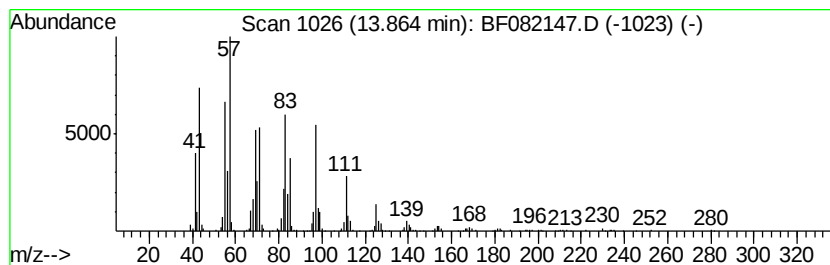
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Pentafluoropropionic acid, ... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	23.24 ng	880116	Chrysene-d12	14.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	1000283-04-2	91
2		1-Hexadecanesulfonyl chloride	324	C16H33ClO2S	038775-38-1	91
3		Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	90
4		Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	87
5		17-Pentatriacontene	491	C35H70	006971-40-0	83



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082147.D
Acq On : 9 Oct 2015 16:07
Operator : UM/IZ
Sample : G3963-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

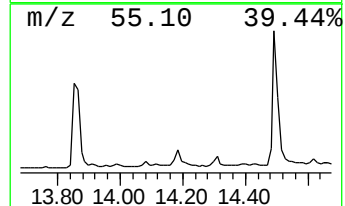
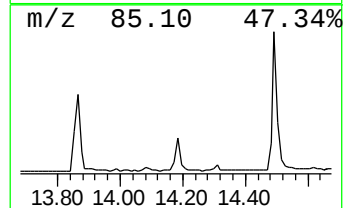
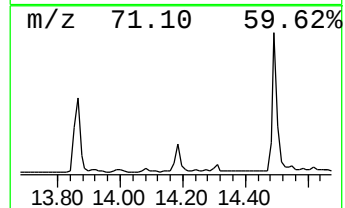
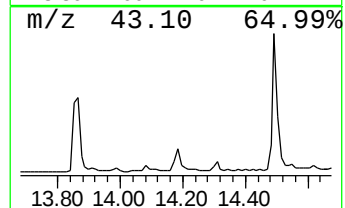
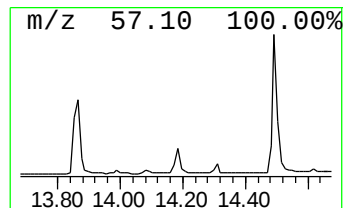
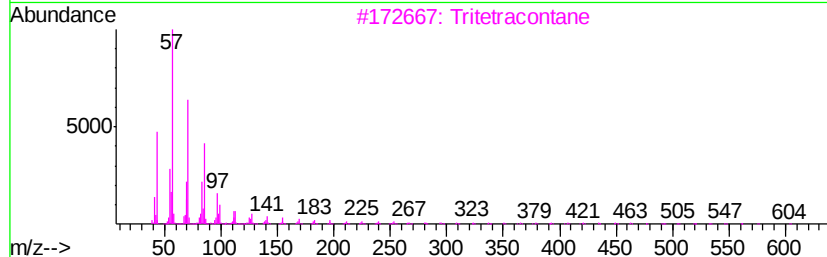
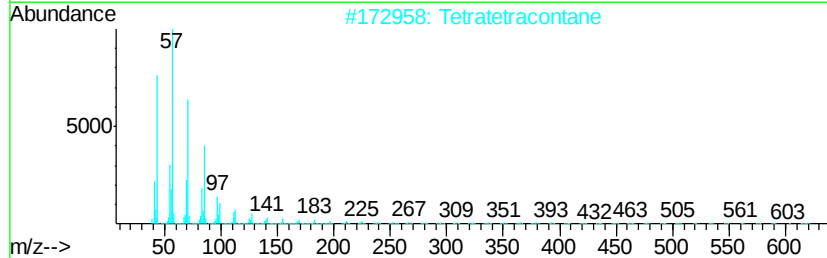
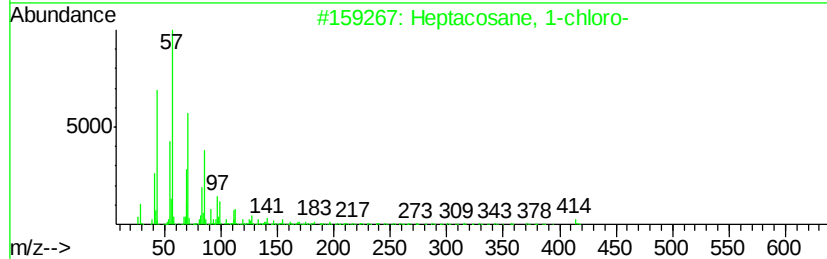
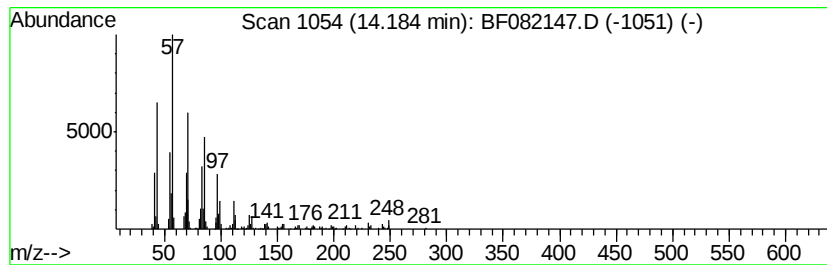
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ClientSampleId :
PROPOSED-TOPSOIL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Heptacosane, 1-chloro- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.
14.18	5.23 ng	198012	Chrysene-d12		14.02
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	72
2	Tetratetracontane	619	C44H90	007098-22-8	72
3	Tritetracontane	605	C43H88	007098-21-7	72
4	Heptadecane	240	C17H36	000629-78-7	62
5	Nonadecane	268	C19H40	000629-92-5	62



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
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Acq On : 9 Oct 2015 16:07
Operator : UM/IZ
Sample : G3963-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

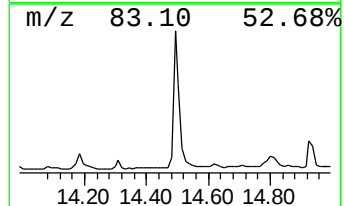
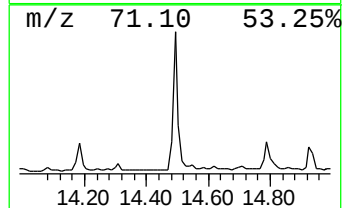
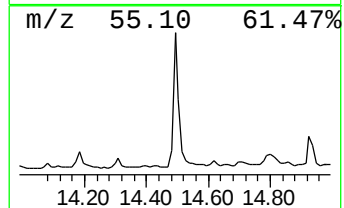
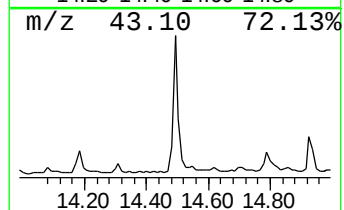
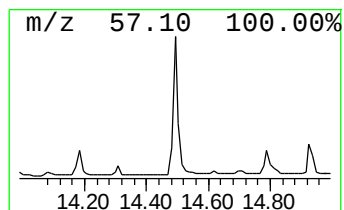
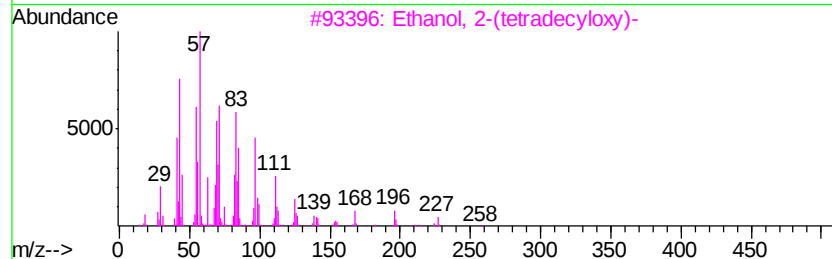
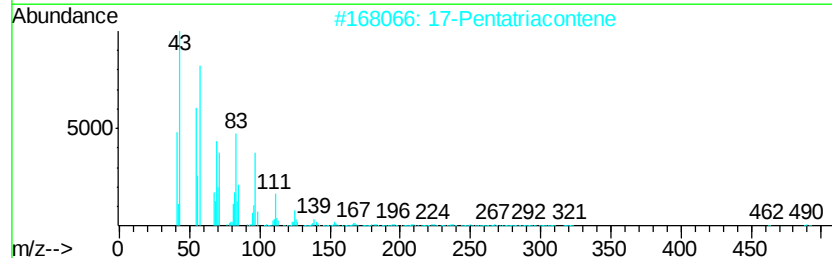
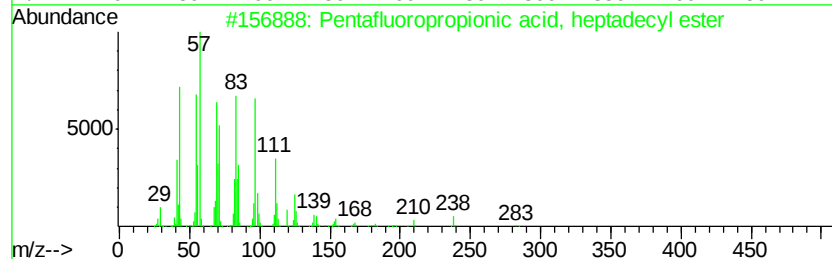
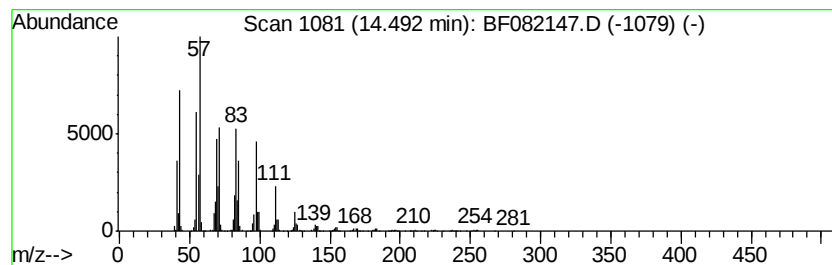
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown14.49 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.49	32.36 ng	1225570	Chrysene-d12	14.02		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentafluoropropionic acid, hepta...	402	C20H35F5O2	1000283-04-2	91
2		17-Pentatriacontene	491	C35H70	006971-40-0	91
3		Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	90
4		1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	90
5		Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082147.D
Acq On : 9 Oct 2015 16:07
Operator : UM/IZ
Sample : G3963-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PROPOSED-TOPSOIL

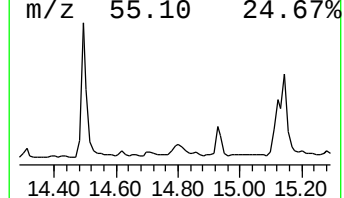
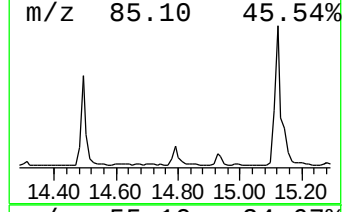
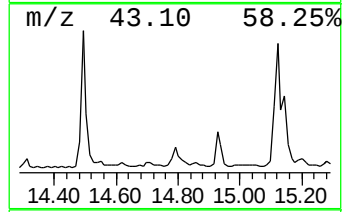
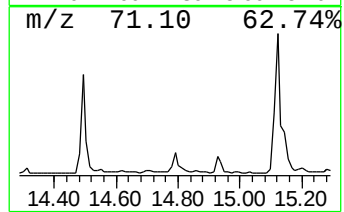
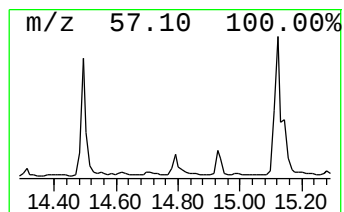
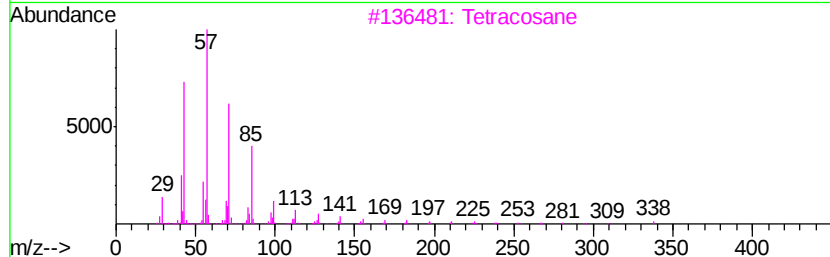
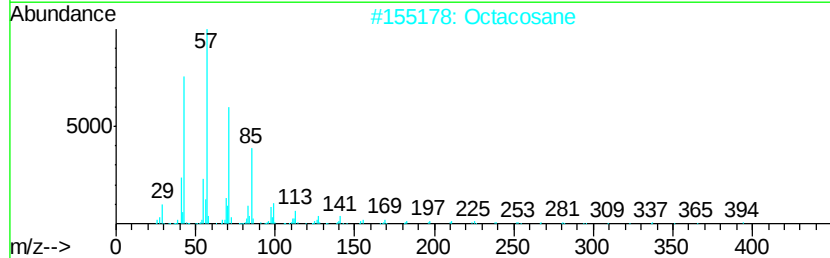
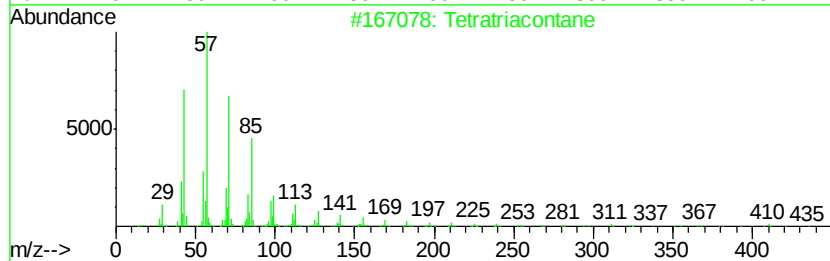
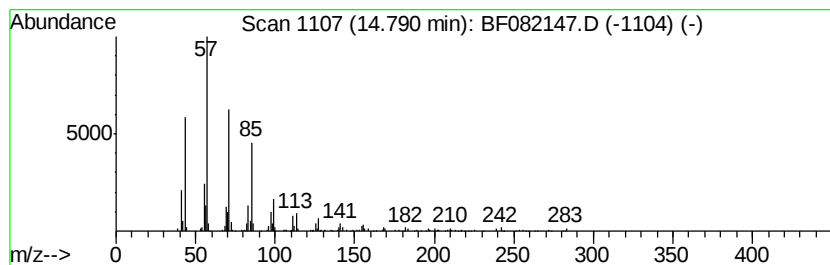
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Tetratriacontane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	7.75 ng	266624	Perylene-d12	15.46

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetratriacontane	479	C34H70	014167-59-0	91
2		Octacosane	394	C28H58	000630-02-4	91
3		Tetracosane	338	C24H50	000646-31-1	91
4		Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	91
5		Eicosane	282	C20H42	000112-95-8	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
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Acq On : 9 Oct 2015 16:07
Operator : UM/IZ
Sample : G3963-01
Misc :
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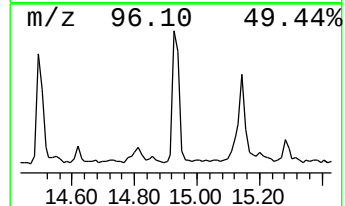
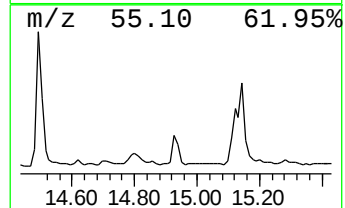
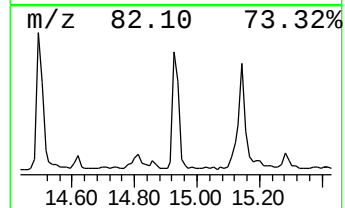
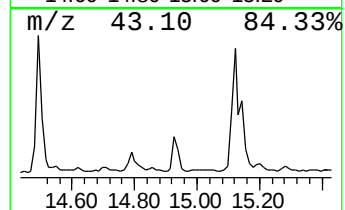
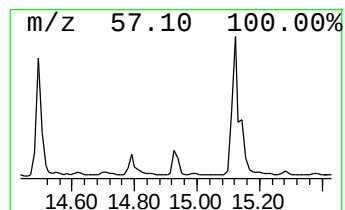
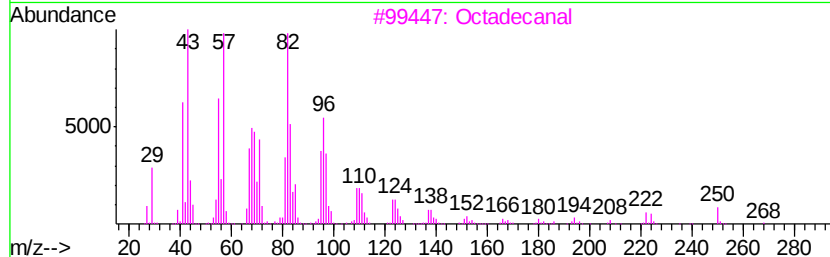
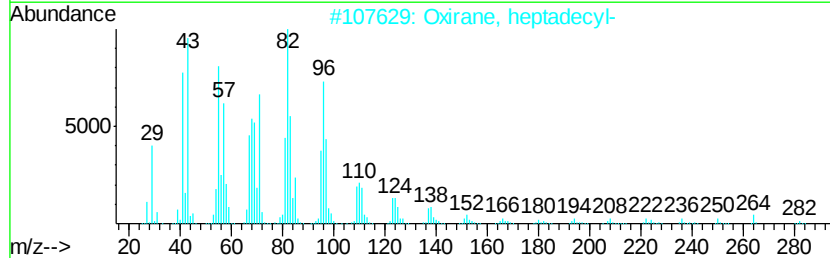
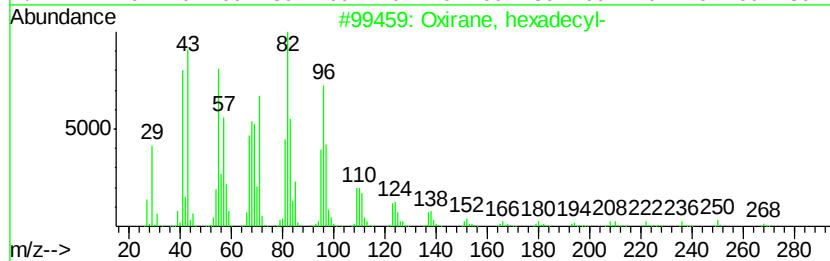
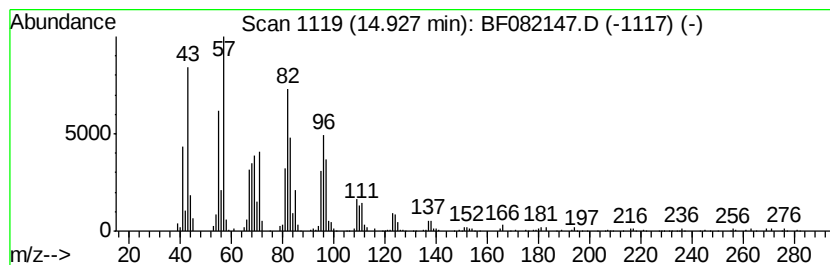
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Oxirane, hexadecyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.93	9.83 ng	337970	Perylene-d12	15.46	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	94
2	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	94
3	Octadecanal	268	C18H36O	000638-66-4	91
4	17-Octadecenal	266	C18H34O	056554-86-0	86
5	1,19-Eicosadiene	278	C20H38	014811-95-1	74



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082147.D
Acq On : 9 Oct 2015 16:07
Operator : UM/IZ
Sample : G3963-01
Misc :
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Instrument :
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ClientSampleId :
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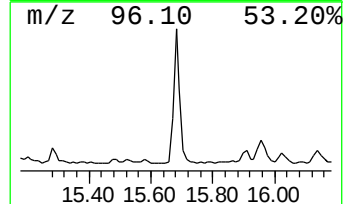
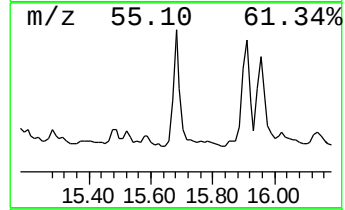
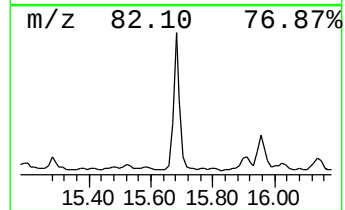
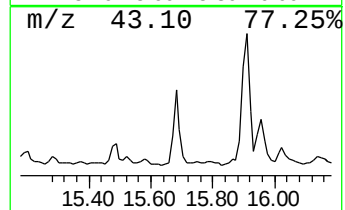
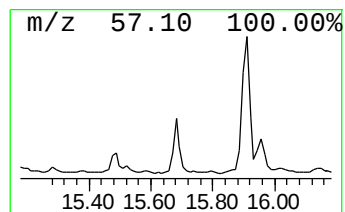
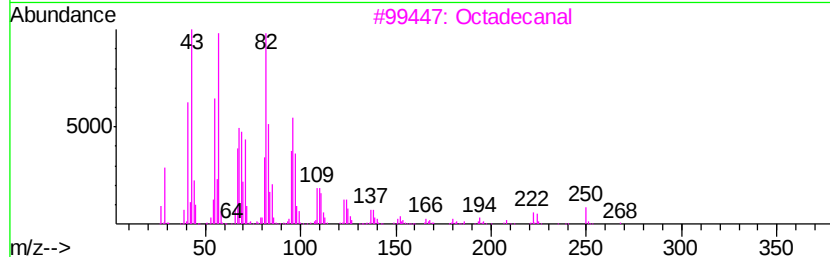
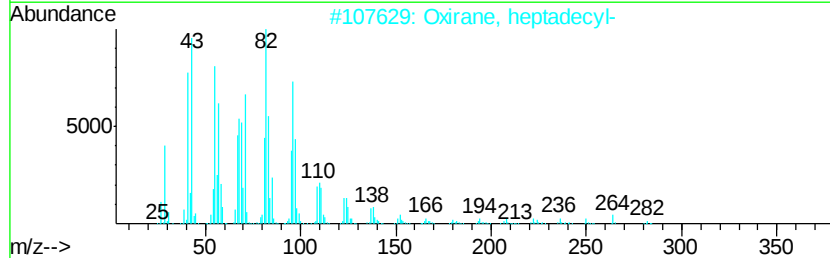
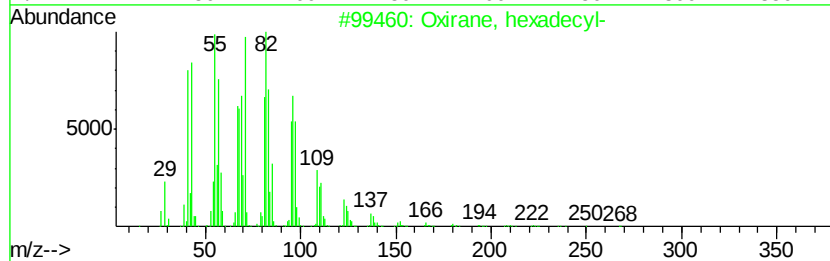
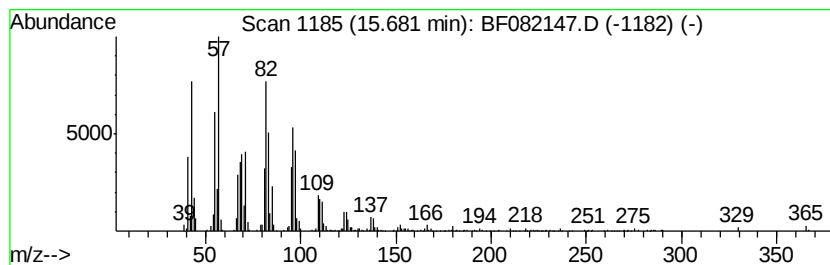
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown15.68 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	17.23 ng	592348	Perylene-d12	15.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	91
2		Oxirane, heptadecyl-	282	C19H38O	067860-04-2	91
3		Octadecanal	268	C18H36O	000638-66-4	90
4		Tetradecanal	212	C14H28O	000124-25-4	87
5		17-Octadecenal	266	C18H34O	056554-86-0	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
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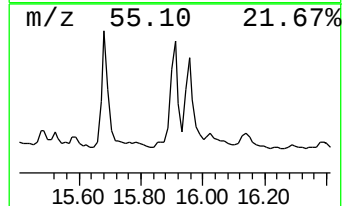
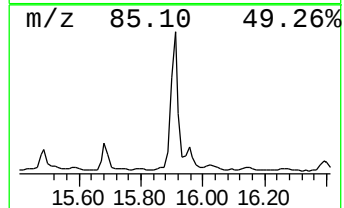
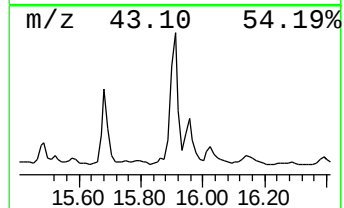
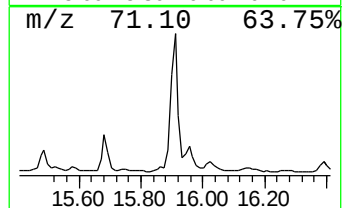
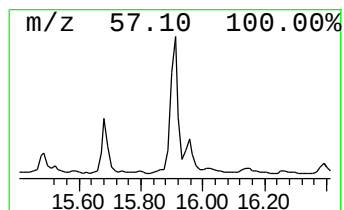
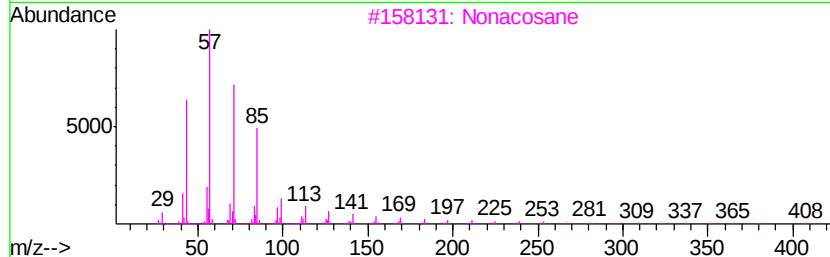
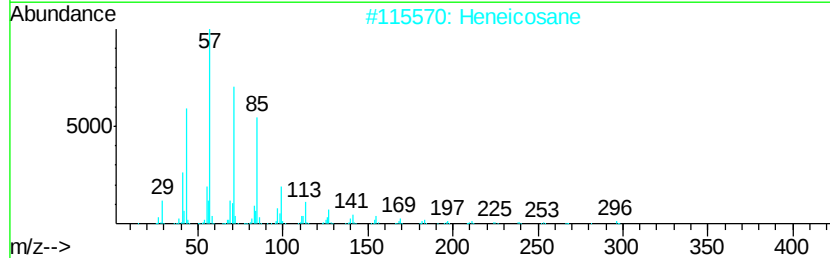
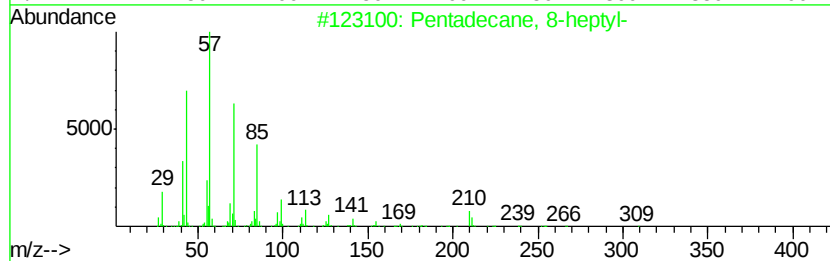
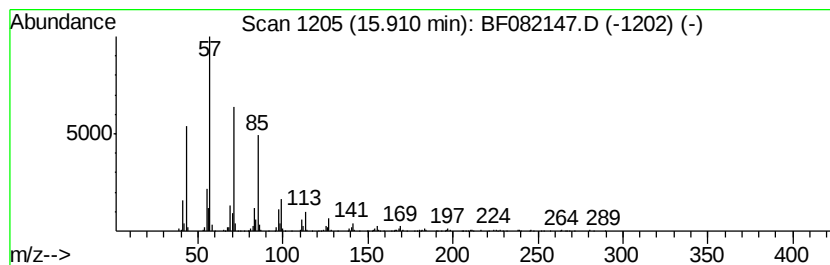
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Pentadecane, 8-heptyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	19.59 ng	673436	Perylene-d12	15.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	91
2		Heneicosane	296	C21H44	000629-94-7	91
3		Nonacosane	408	C29H60	000630-03-5	90
4		Hexadecane	226	C16H34	000544-76-3	87
5		Heptadecane	240	C17H36	000629-78-7	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082147.D
Acq On : 9 Oct 2015 16:07
Operator : UM/IZ
Sample : G3963-01
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ALS Vial : 6 Sample Multiplier: 1

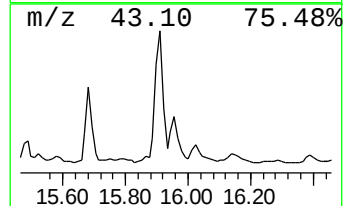
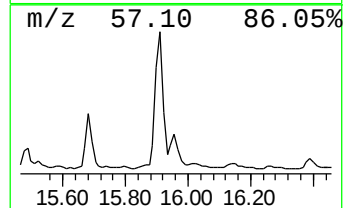
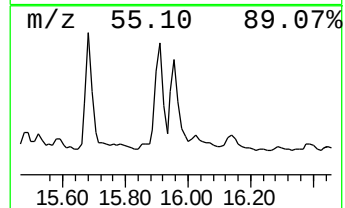
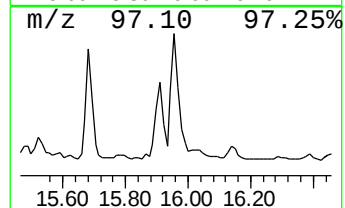
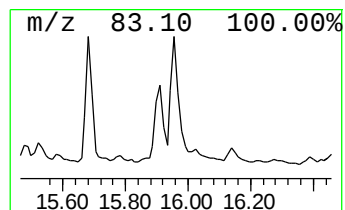
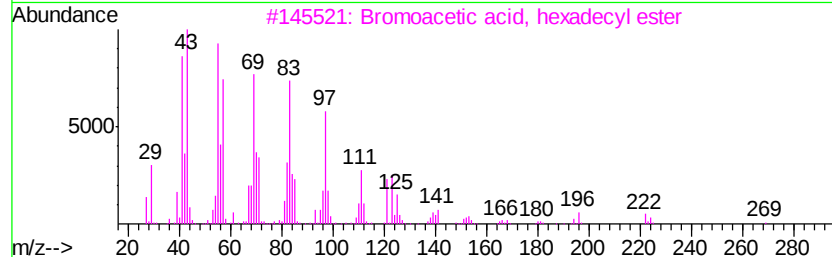
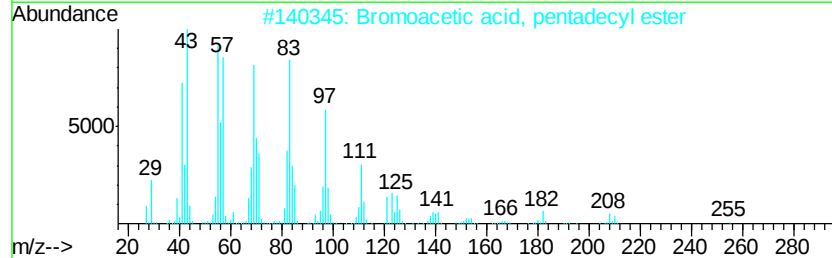
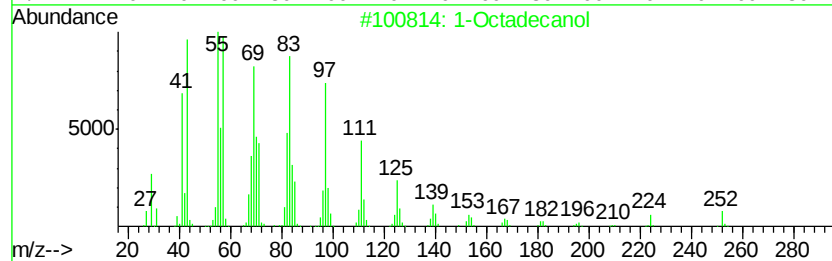
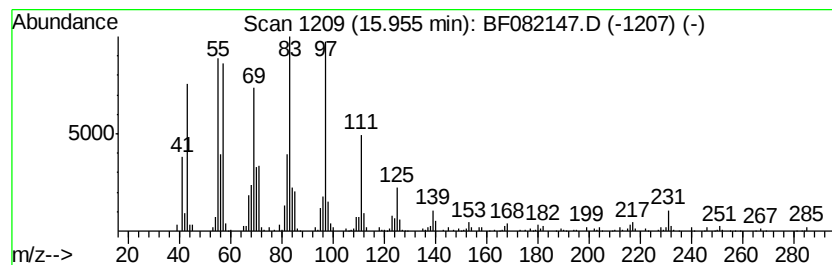
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ClientSampleId :
PROPOSED-TOPSOIL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 1-Octadecanol Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.96	9.66 ng	332139	Perylene-d12	15.46
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1-Octadecanol	270 C18H38O	000112-92-5	76
2	Bromoacetic acid, pentadecyl ester	348 C17H33BrO2	131143-01-6	70
3	Bromoacetic acid, hexadecyl ester	362 C18H35BrO2	005454-48-8	62
4	1-Heptadecanol	256 C17H36O	001454-85-9	62
5	Cyclooctane, 1,2-diethyl-	168 C12H24	023609-46-3	60



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082147.D
Acq On : 9 Oct 2015 16:07
Operator : UM/IZ
Sample : G3963-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PROPOSED-TOPSOIL

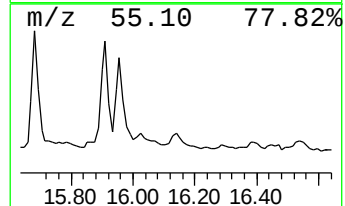
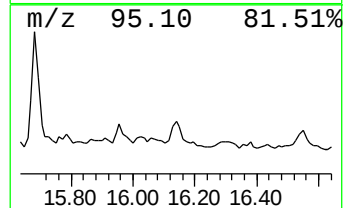
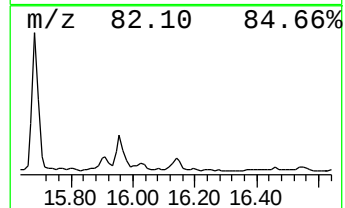
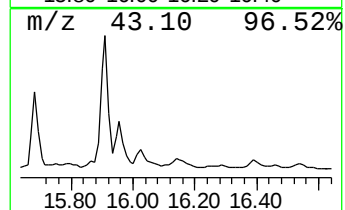
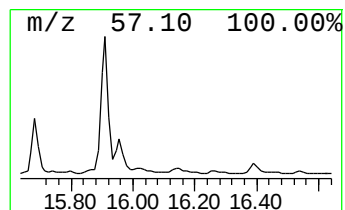
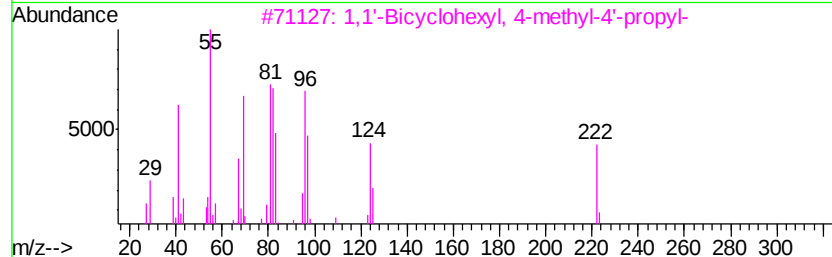
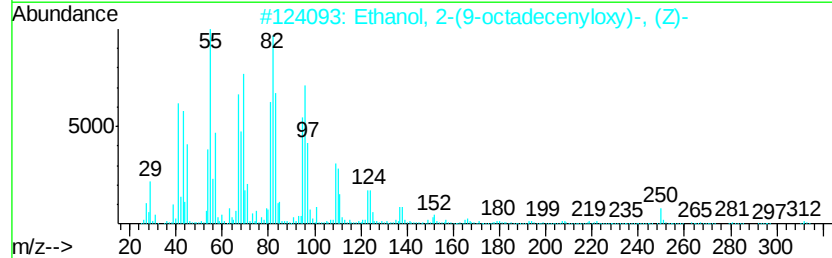
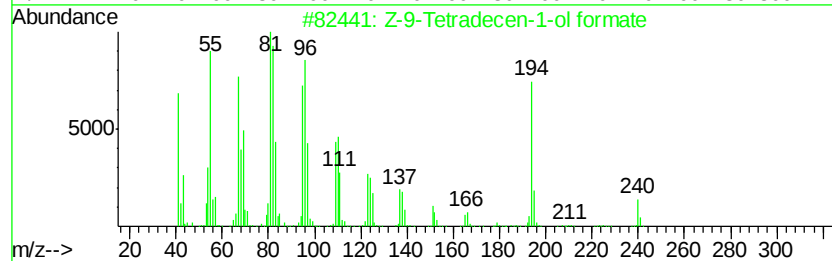
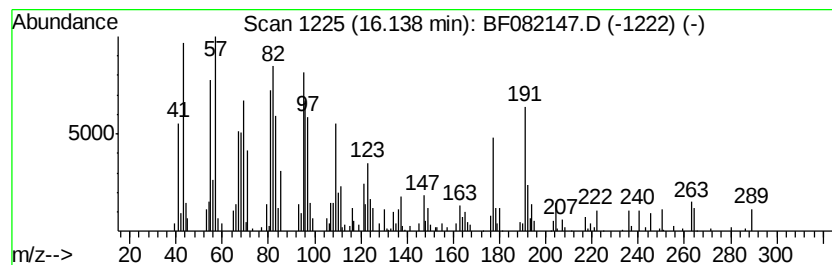
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown16.14 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.14	6.99 ng	240395	Perylene-d12	15.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Z-9-Tetradecen-1-ol formate	240	C15H28O2	1000130-78-7	45
2		Ethanol, 2-(9-octadecenyloxy)-, ...	312	C20H40O2	005353-25-3	43
3		1,1'-Bicyclohexyl, 4-methyl-4'-p...	222	C16H30	092343-70-9	42
4		1,15-Hexadecadiene	222	C16H30	021964-51-2	41
5		Octadecanal	268	C18H36O	000638-66-4	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082147.D
Acq On : 9 Oct 2015 16:07
Operator : UM/IZ
Sample : G3963-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PROPOSED-TOPSOIL

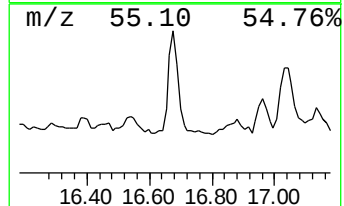
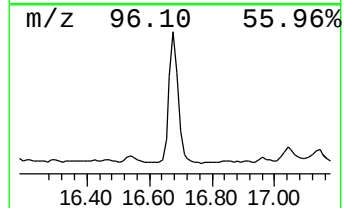
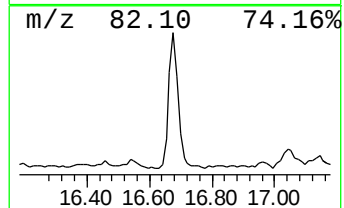
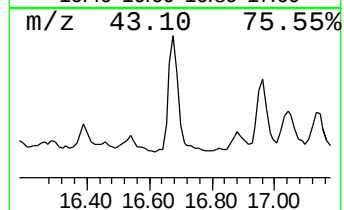
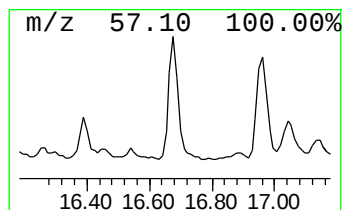
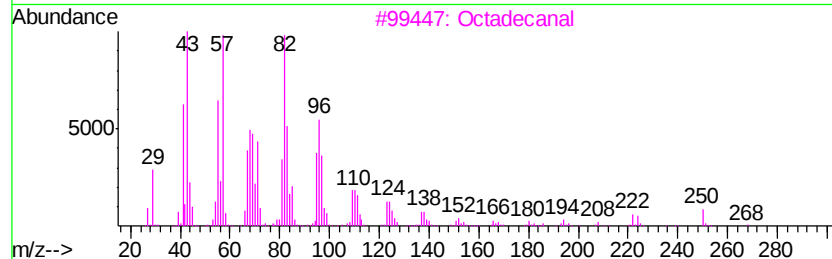
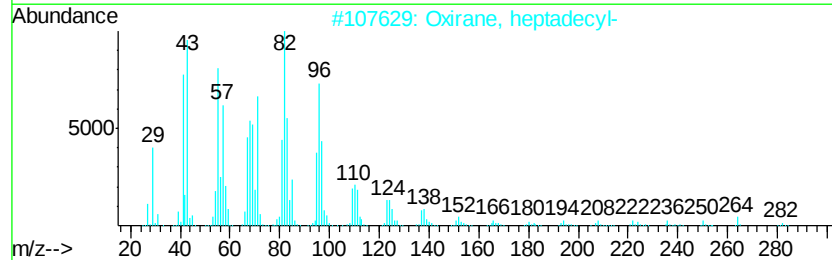
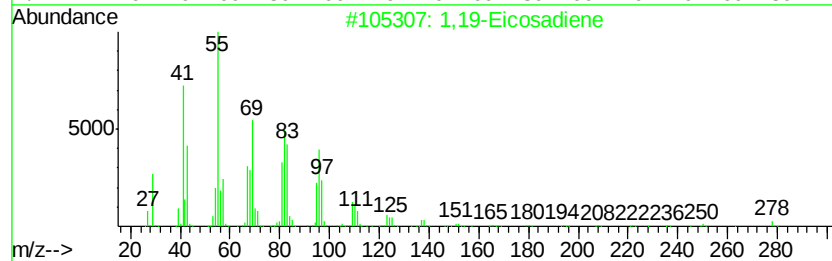
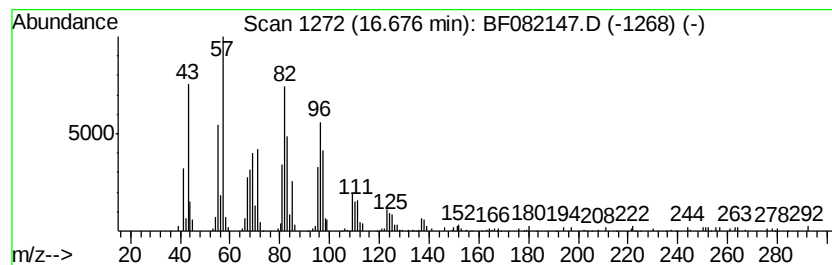
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 1,19-Eicosadiene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.68	12.85 ng	441836	Perylene-d12	15.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,19-Eicosadiene	278	C20H38	014811-95-1	92
2		Oxirane, heptadecyl-	282	C19H38O	067860-04-2	87
3		Octadecanal	268	C18H36O	000638-66-4	87
4		Tetradecanal	212	C14H28O	000124-25-4	86
5		Oxirane, hexadecyl-	268	C18H36O	007390-81-0	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082147.D
Acq On : 9 Oct 2015 16:07
Operator : UM/IZ
Sample : G3963-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PROPOSED-TOPSOIL

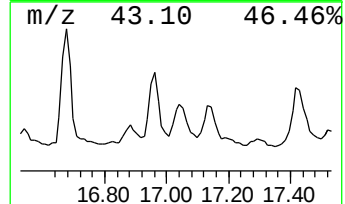
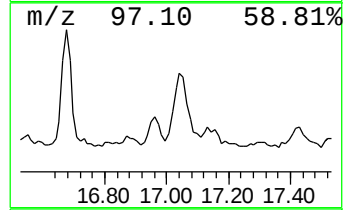
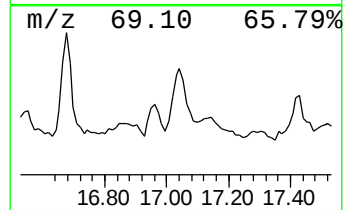
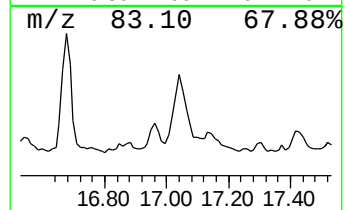
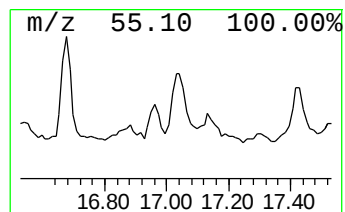
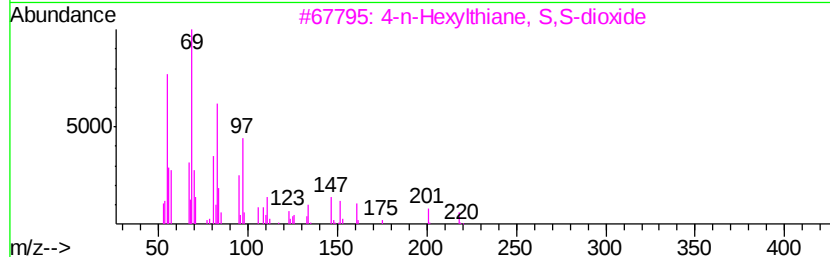
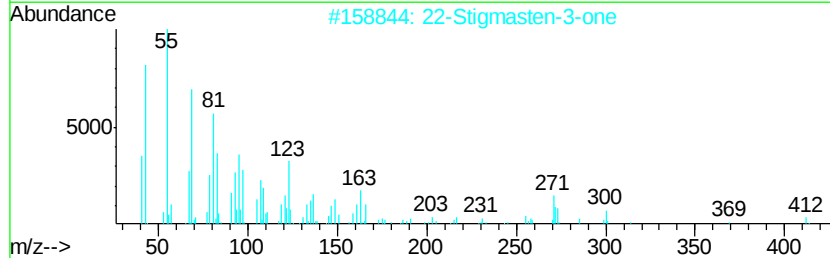
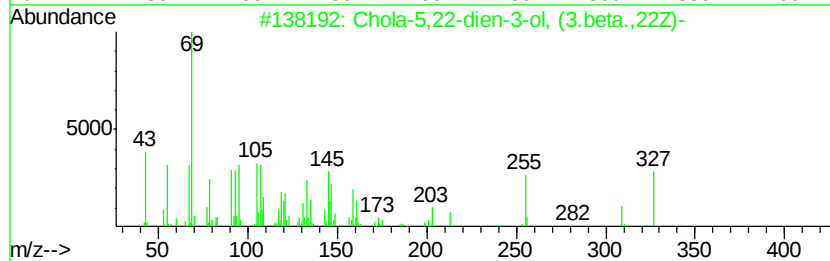
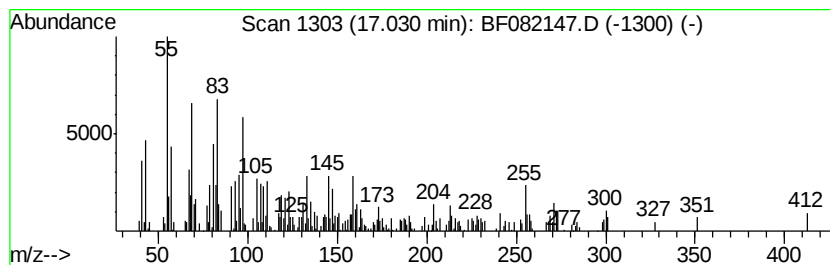
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown17.03 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.03	9.00 ng	309269	Perylene-d12	15.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Chola-5,22-dien-3-ol, (3.beta.,2...	342	C24H38O	057597-14-5	38
2		22-Stigmasten-3-one	412	C29H48O	004736-95-2	38
3		4-n-Hexylthiane, S,S-dioxide	218	C11H22O2S	070928-52-8	20
4		7-Heptadecene, 1-chloro-	272	C17H33Cl	056554-78-0	18
5		2,4,4,6-Tetramethyl-6-phenyl-2-h...	230	C17H26	1000293-27-8	11



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082147.D
Acq On : 9 Oct 2015 16:07
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Misc :
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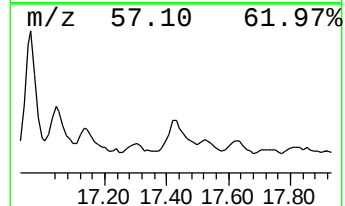
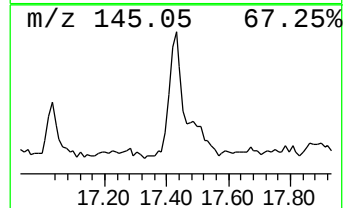
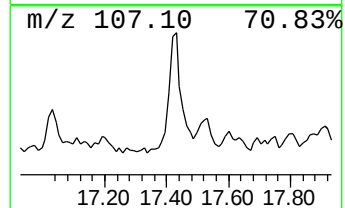
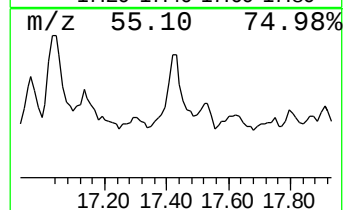
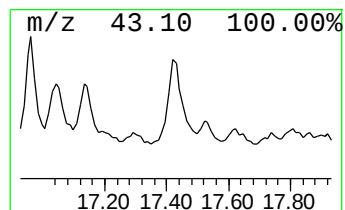
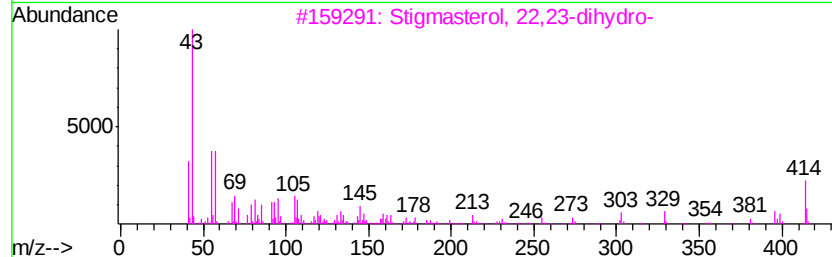
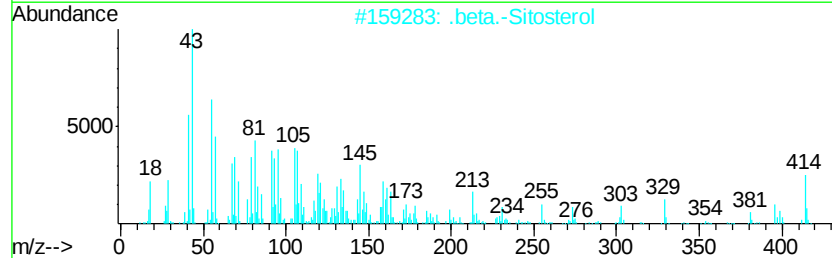
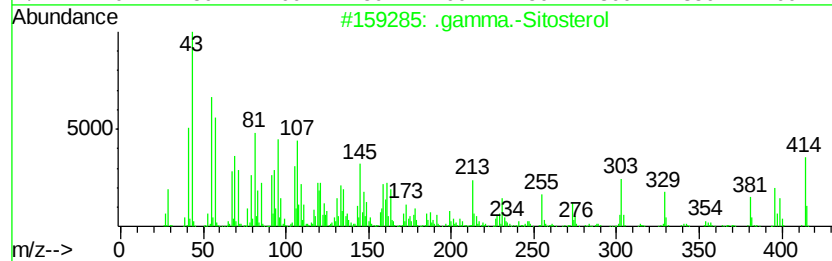
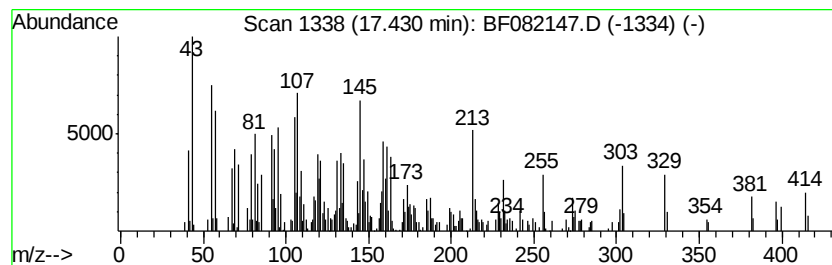
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 .gamma.-Sitosterol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.43	16.03 ng	551276	Perylene-d12	15.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	.gamma.-Sitosterol	414	C29H50O	000083-47-6	99
2		.beta.-Sitosterol	414	C29H50O	000083-46-5	97
3		Stigmasterol, 22,23-dihydro-	414	C29H50O	1000214-20-7	93
4		Cholest-5-ene, 3-ethoxy-, (3.bet...	414	C29H50O	000986-19-6	38
5		Stigmastan-3,5-diene	396	C29H48	1000214-16-4	12



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
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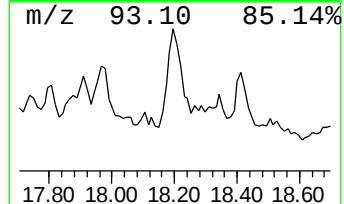
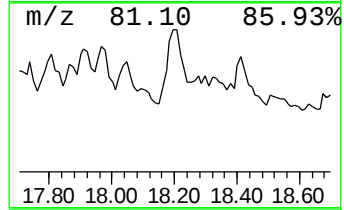
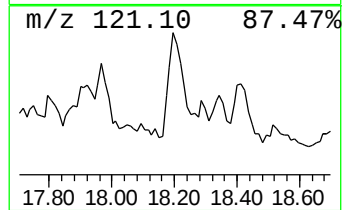
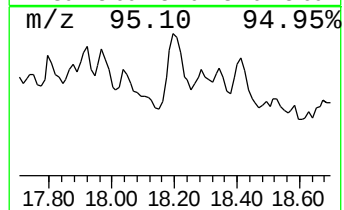
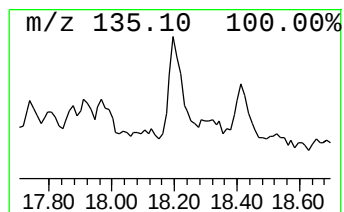
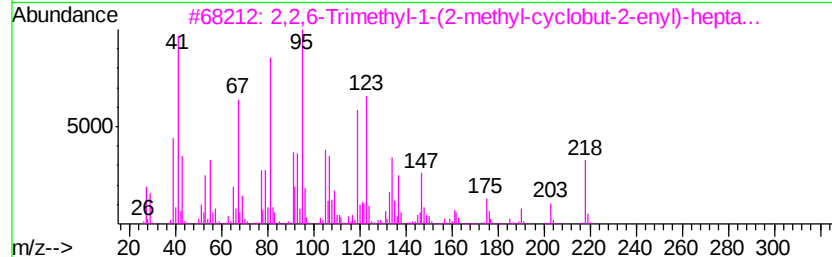
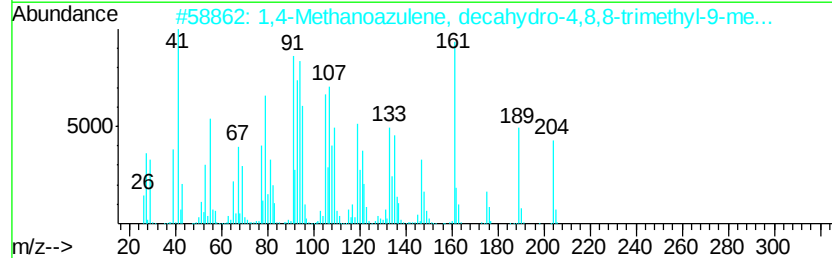
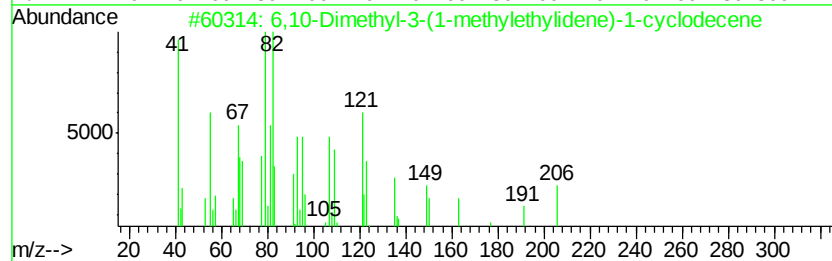
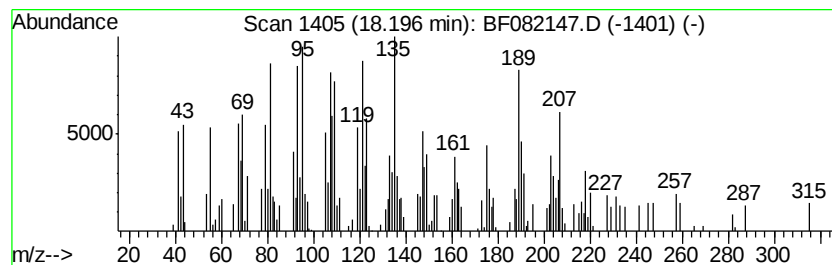
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ClientSampleId :
PROPOSED-TOPSOIL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 6,10-Dimethyl-3-(1-methylet... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.20	6.82 ng	234523	Perylene-d12	15.46
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	6,10-Dimethyl-3-(1-methylethylidene)-1-cyclodecene	206	C15H26	069239-71-0 50
2	1,4-Methanoazulene, decahydro-4,...	204	C15H24	000475-20-7 45
3	2,2,6-Trimethyl-1-(2-methyl-cycl...	218	C15H22O	1000188-72-8 45
4	2(3H)-Naphthalenone, 4,4a,5,6,7,...	218	C15H22O	004674-50-4 38
5	2-Isopropenyl-4a,8-dimethyl-1,2,...	204	C15H24	1000193-57-0 35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082147.D
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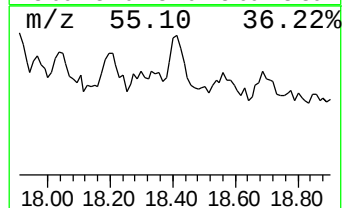
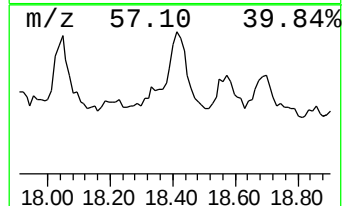
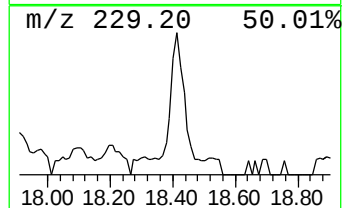
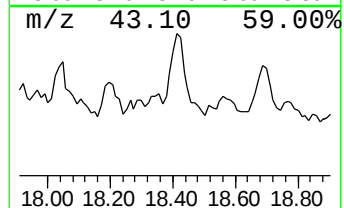
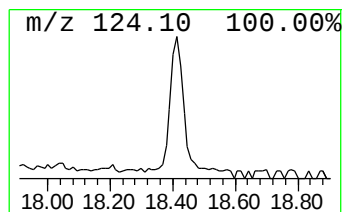
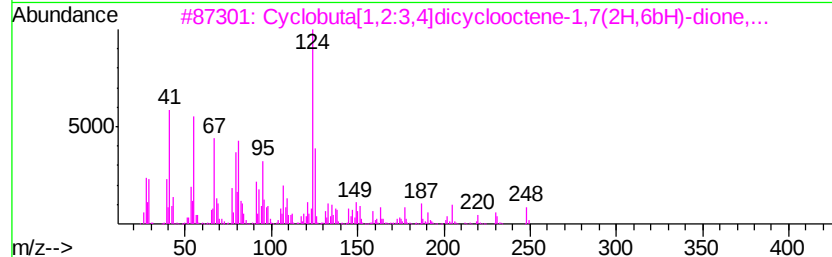
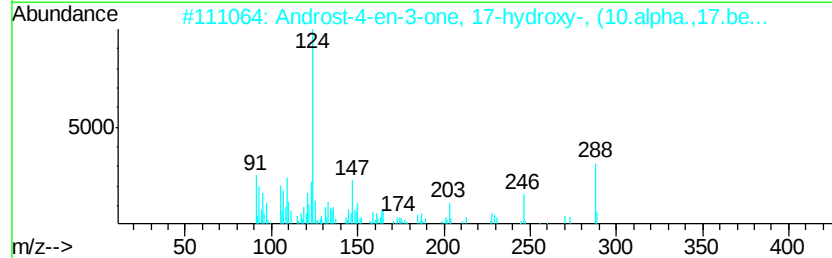
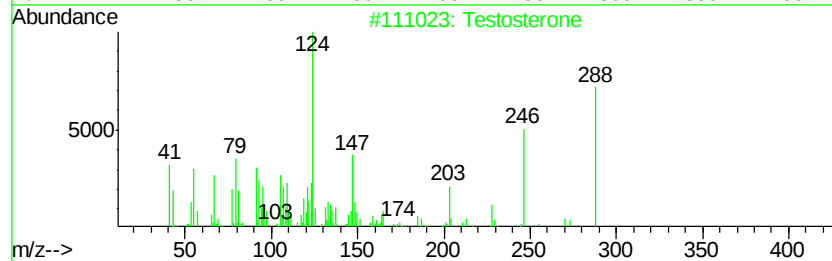
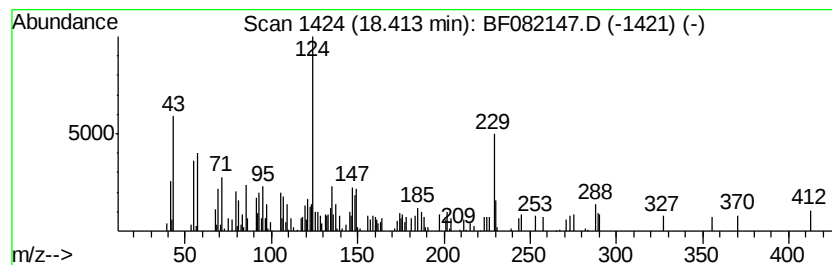
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 unknown18.41 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.41	6.48 ng	222896	Perylene-d12	15.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Testosterone	288	C19H28O2	000058-22-0	48
2		Androst-4-en-3-one, 17-hydroxy-, ...	288	C19H28O2	000604-39-7	46
3		Cyclobuta[1,2:3,4]dicyclooctene-...	248	C16H24O2	069926-83-6	35
4		1,4-Benzenediol, 2-methyl-	124	C7H8O2	000095-71-6	30
5		2-Amino-4-methyl-3-pyridinol	124	C6H8N2O	020348-18-9	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
Data File : BF082147.D
Acq On : 9 Oct 2015 16:07
Operator : UM/IZ
Sample : G3963-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PROPOSED-TOPSOIL

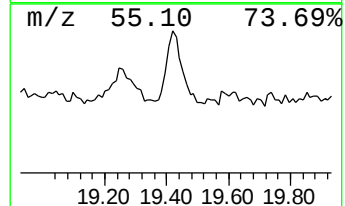
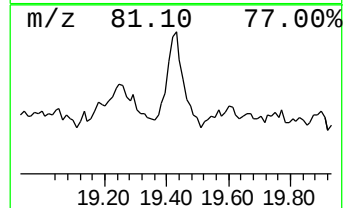
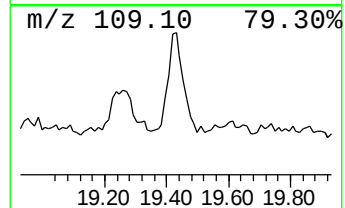
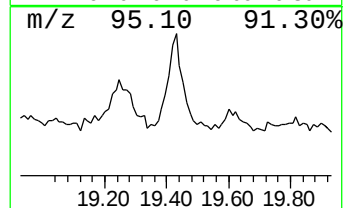
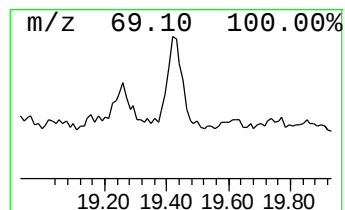
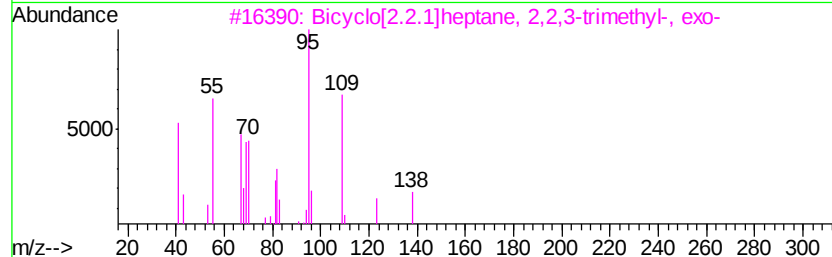
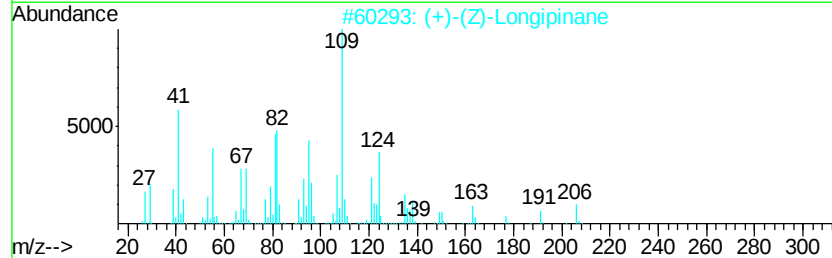
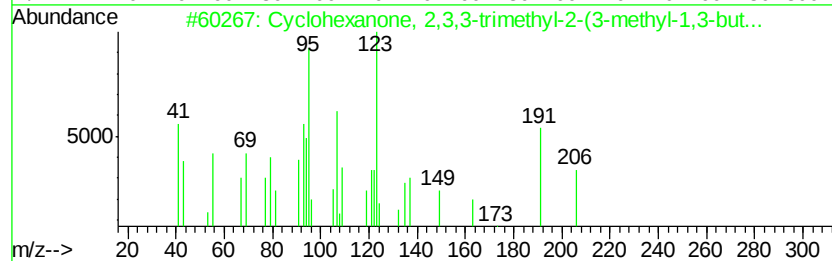
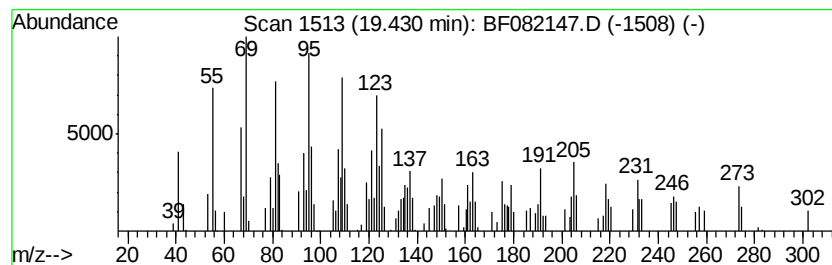
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 unknown19.43 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.43	6.60 ng	226948	Perylene-d12	15.46

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexanone, 2,3,3-trimethyl-2...	206	C14H22O	069296-90-8	48
2			(+)-(Z)-Longipinane	206	C15H26	1000156-12-3	47
3			Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-41-8	30
4			2,4a,8,8-Tetramethyldecahydrocyc...	206	C15H26	074022-04-1	30
5			Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-40-7	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100915\
 Data File : BF082147.D
 Acq On : 9 Oct 2015 16:07
 Operator : UM/IZ
 Sample : G3963-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PROPOSED-TOPSOIL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.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...	5.03	30.1	ng	1097180	1	6.85	730269	20.0
unknown6.62	6.62	57.4	ng	2095440	1	6.85	730269	20.0
n-Hexadecanoic acid	11.91	10.6	ng	477060	4	11.38	899879	20.0
Pentafluoropropio...	13.86	23.2	ng	880116	5	14.02	757495	20.0
Heptacosane, 1-ch...	14.18	5.2	ng	198012	5	14.02	757495	20.0
unknown14.49	14.49	32.4	ng	1225570	5	14.02	757495	20.0
Tetratriacontane	14.79	7.8	ng	266624	6	15.46	687625	20.0
Oxirane, hexadecyl-	14.93	9.8	ng	337970	6	15.46	687625	20.0
unknown15.68	15.68	17.2	ng	592348	6	15.46	687625	20.0
Pentadecane, 8-he...	15.91	19.6	ng	673436	6	15.46	687625	20.0
1-Octadecanol	15.96	9.7	ng	332139	6	15.46	687625	20.0
unknown16.14	16.14	7.0	ng	240395	6	15.46	687625	20.0
1,19-Eicosadiene	16.68	12.9	ng	441836	6	15.46	687625	20.0
unknown17.03	17.03	9.0	ng	309269	6	15.46	687625	20.0
.gamma.-Sitosterol	17.43	16.0	ng	551276	6	15.46	687625	20.0
6,10-Dimethyl-3-(...	18.20	6.8	ng	234523	6	15.46	687625	20.0
unknown18.41	18.41	6.5	ng	222896	6	15.46	687625	20.0
unknown19.43	19.43	6.6	ng	226948	6	15.46	687625	20.0