

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
 Data File : BF092542.D
 Acq On : 26 Jan 2017 23:15
 Operator : SJ/MA
 Sample : I1451-01
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-28

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-BF012417.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	3.847	151	154	160	rVB	102079	152616	3.06%	0.282%
2	5.139	265	267	273	rBV	445593	656999	13.19%	1.214%
3	5.241	273	276	278	rVB	61440	60368	1.21%	0.112%
4	5.561	301	304	306	rBV	2207613	2415095	48.48%	4.461%
5	6.579	391	393	396	rBV	1217118	1480094	29.71%	2.734%
6	6.727	404	406	409	rBV	3038467	3867983	77.64%	7.145%
7	6.967	424	427	429	rBV	1153264	1034858	20.77%	1.912%
8	7.036	431	433	435	rBV	32536	53814	1.08%	0.099%
9	7.127	438	441	443	rVB	3623686	3513988	70.54%	6.491%
10	7.539	474	477	479	rBV	2700920	3416134	68.57%	6.311%
11	7.882	504	507	508	rBV	2830121	2995722	60.14%	5.534%
12	7.916	508	510	512	rVV	2344442	3198894	64.21%	5.909%
13	8.007	515	518	520	rBV	2958352	3648589	73.24%	6.740%
14	8.259	538	540	543	rBV	1289247	1280944	25.71%	2.366%
15	8.442	552	556	558	rVB2	52573	61611	1.24%	0.114%
16	8.499	558	561	564	rBV	111255	140793	2.83%	0.260%
17	8.865	591	593	594	rVV	237446	245916	4.94%	0.454%
18	8.945	597	600	602	rVV	50202	100377	2.01%	0.185%
19	8.990	602	604	606	rVV	105719	152099	3.05%	0.281%
20	9.048	606	609	611	rVV	569146	574592	11.53%	1.061%
21	9.105	611	614	617	rVB2	57608	107602	2.16%	0.199%
22	9.196	617	622	623	rBV	49637	116122	2.33%	0.215%
23	9.242	623	626	630	rVB5	55565	94696	1.90%	0.175%
24	9.345	632	635	637	rBV	4312873	4981652	100.00%	9.203%
25	9.390	637	639	643	rVB	219053	340060	6.83%	0.628%
26	9.665	658	663	664	rBV5	55036	160693	3.23%	0.297%
27	9.848	677	679	680	rVB	82084	106082	2.13%	0.196%
28	9.951	684	688	689	rBV3	62853	141214	2.83%	0.261%
29	9.985	689	691	692	rVB	62681	72087	1.45%	0.133%
30	10.031	692	695	697	rBV	1473942	1618376	32.49%	2.990%
31	10.236	710	713	715	rBV3	50524	105740	2.12%	0.195%
32	10.328	717	721	727	rVV	181723	518082	10.40%	0.957%
33	10.453	730	732	734	rVB2	44736	52952	1.06%	0.098%
34	10.545	737	740	741	rVV2	65367	80006	1.61%	0.148%

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092542.D
Acq On : 26 Jan 2017 23:15
Operator : SJ/MA
Sample : I1451-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
W-28

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.625	744	747	749	rBV2	47197	119851	2.41%	0.221%
36	10.671	749	751	754	rVB2	99148	152202	3.06%	0.281%
37	10.739	756	757	759	rVB	45066	59872	1.20%	0.111%
38	10.819	761	764	767	rVV	2762235	3093321	62.09%	5.714%
39	10.888	767	770	771	rVB3	30117	55015	1.10%	0.102%
40	11.002	777	780	781	rBV2	81614	119148	2.39%	0.220%
41	11.025	781	782	784	rVB2	68006	87766	1.76%	0.162%
42	11.071	784	786	788	rBV	417314	427695	8.59%	0.790%
43	11.185	794	796	797	rBV2	111653	142348	2.86%	0.263%
44	11.219	797	799	801	rVV2	60405	96863	1.94%	0.179%
45	11.311	806	807	809	rBV2	51901	67636	1.36%	0.125%
46	11.379	811	813	815	rBV3	75731	103255	2.07%	0.191%
47	11.516	822	825	827	rBV	1721741	1618458	32.49%	2.990%
48	11.814	849	851	855	rVB	637741	694609	13.94%	1.283%
49	11.962	862	864	865	rBV	130745	138135	2.77%	0.255%
50	12.054	870	872	875	rBV	601247	662390	13.30%	1.224%
51	12.179	880	883	885	rBV	693629	652266	13.09%	1.205%
52	12.831	938	940	943	rBV	754295	788588	15.83%	1.457%
53	12.934	947	949	952	rVV3	96534	147365	2.96%	0.272%
54	12.991	952	954	956	rVB	241336	240254	4.82%	0.444%
55	13.105	961	964	967	rBV	3737801	4425124	88.83%	8.175%
56	13.631	1008	1010	1011	rBV	54764	53634	1.08%	0.099%
57	13.665	1011	1013	1015	rBV	159527	161674	3.25%	0.299%
58	13.997	1040	1042	1047	rVB	117238	124757	2.50%	0.230%
59	14.157	1053	1056	1058	rBV	1386077	1345343	27.01%	2.485%
60	15.631	1182	1185	1188	rBV	770769	1007826	20.23%	1.862%

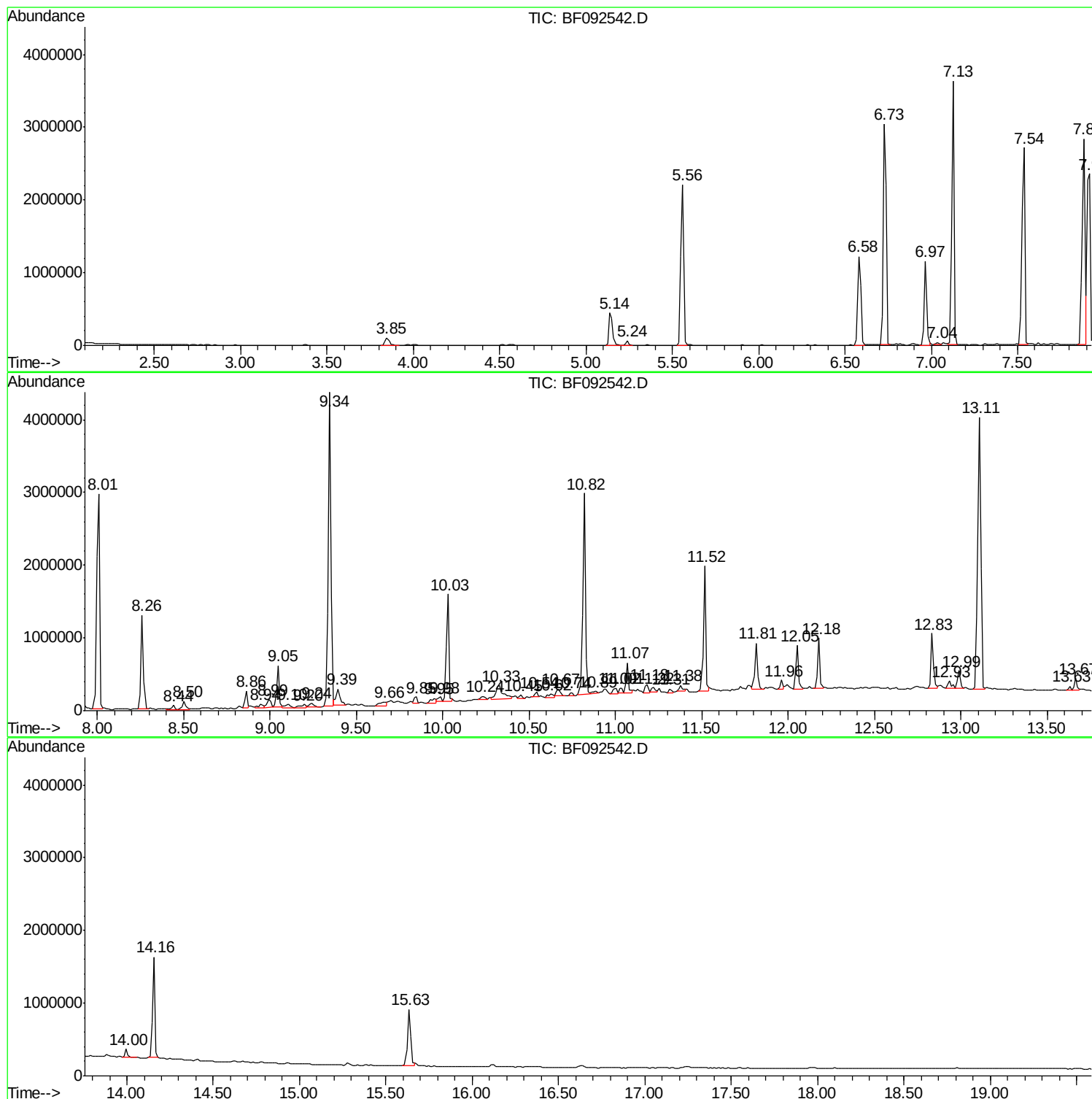
Sum of corrected areas: 54132245

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012617\
Data File : BF092542.D
Acq On : 26 Jan 2017 23:15
Operator : SJ/MA
Sample : I1451-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
W-28

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.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\BF012617\
Data File : BF092542.D
Acq On : 26 Jan 2017 23:15
Operator : SJ/MA
Sample : I1451-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
W-28

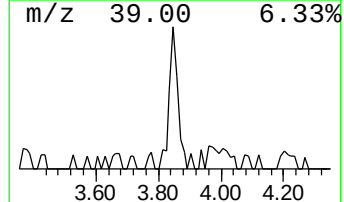
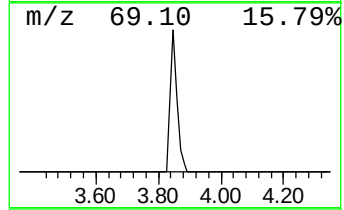
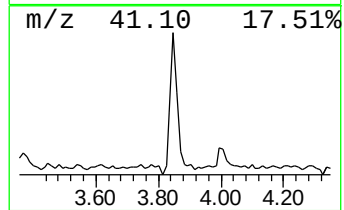
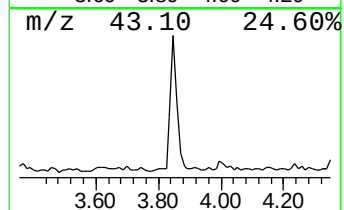
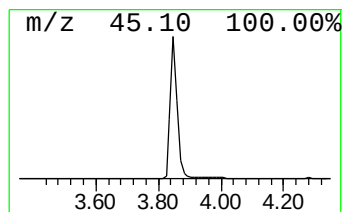
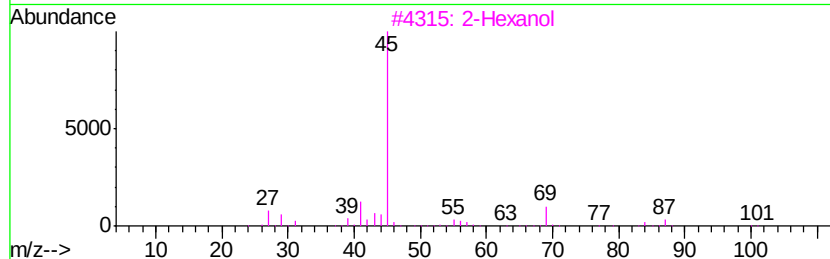
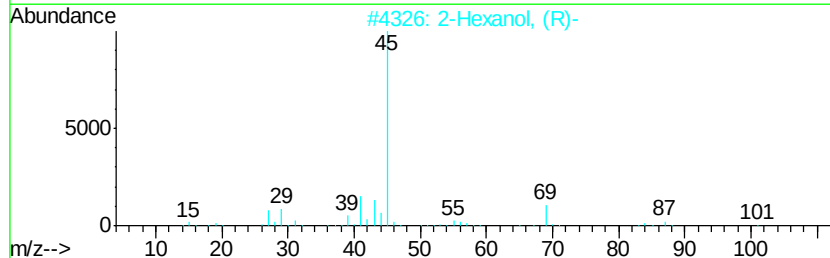
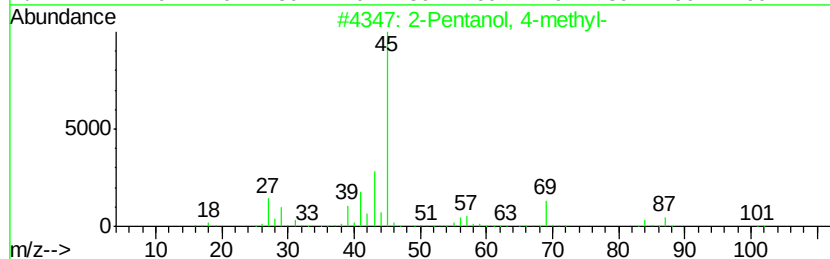
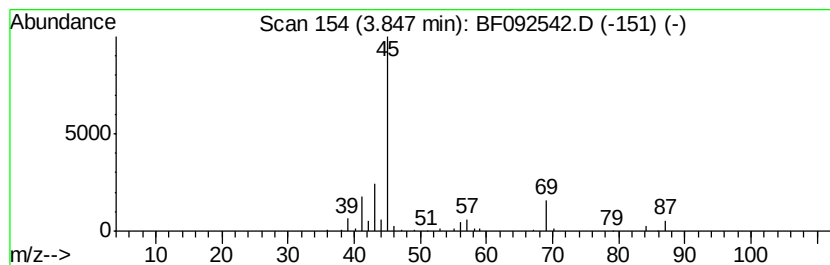
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanol, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.85	2.95 ng	152616	1,4-Dichlorobenzene-d4	6.97

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	90
2			2-Hexanol, (R)-	102	C6H14O	026549-24-6	78
3			2-Hexanol	102	C6H14O	000626-93-7	78
4			2-Pentanol, 3-methyl-	102	C6H14O	000565-60-6	56
5			2-Hexanol, 3-methyl-	116	C7H16O	002313-65-7	56



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092542.D
Acq On : 26 Jan 2017 23:15
Operator : SJ/MA
Sample : I1451-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
W-28

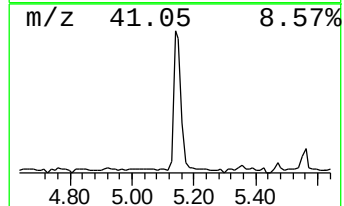
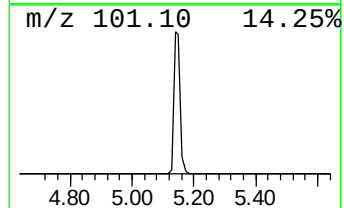
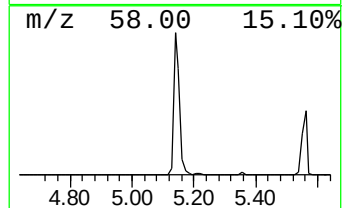
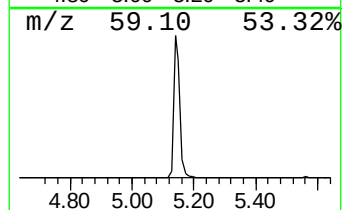
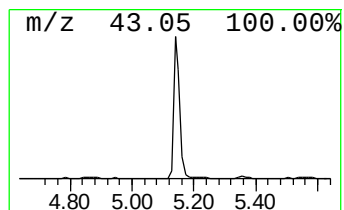
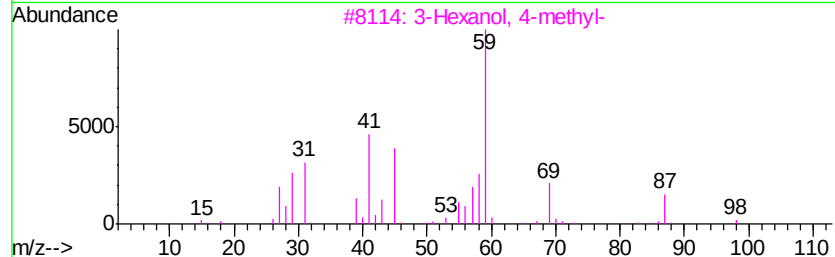
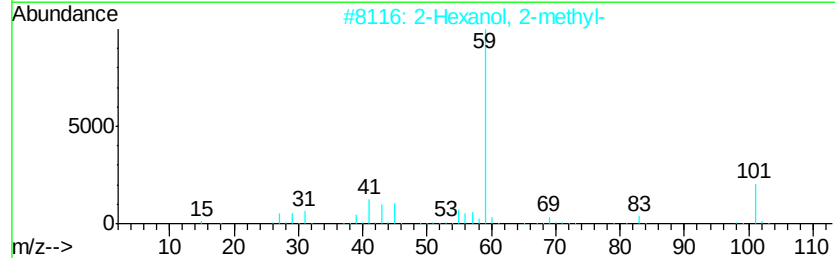
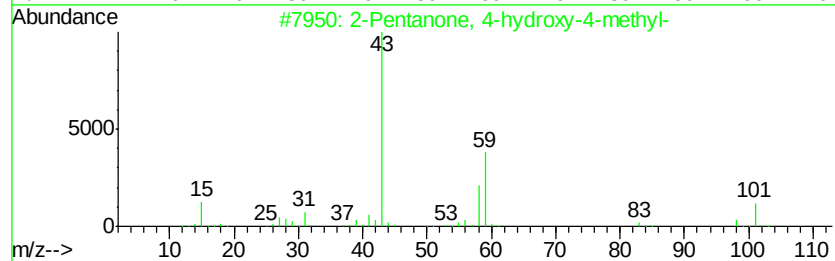
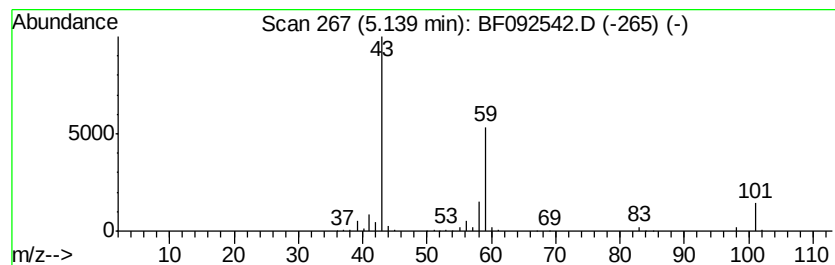
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.14	12.70 ng	656999	1,4-Dichlorobenzene-d4	6.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2		2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
3		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4		Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	25
5		1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092542.D
Acq On : 26 Jan 2017 23:15
Operator : SJ/MA
Sample : I1451-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
W-28

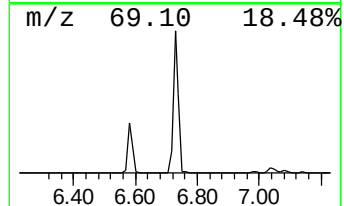
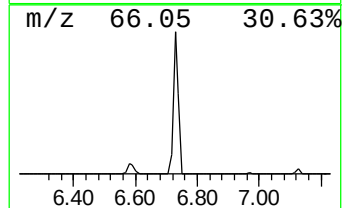
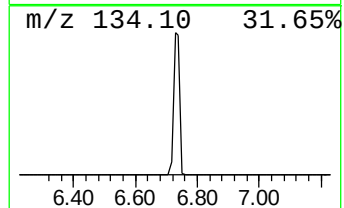
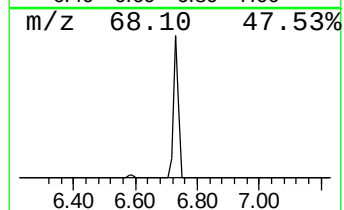
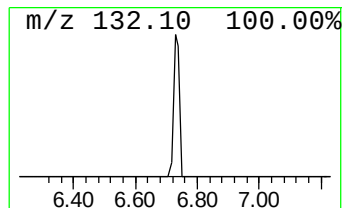
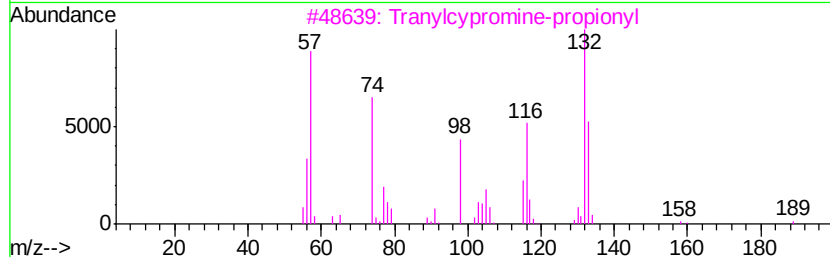
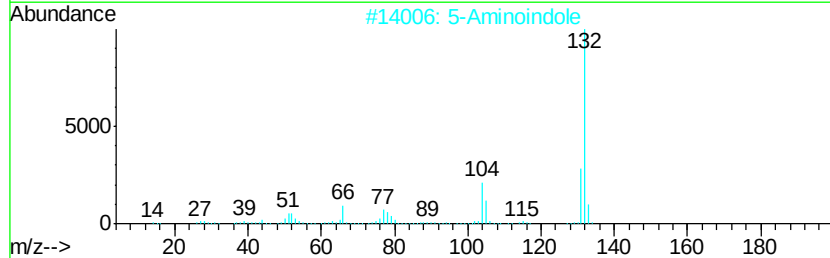
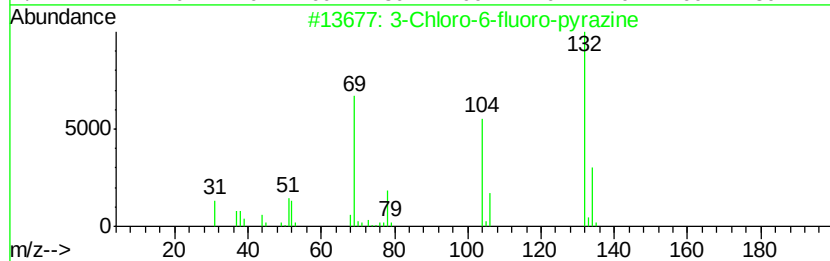
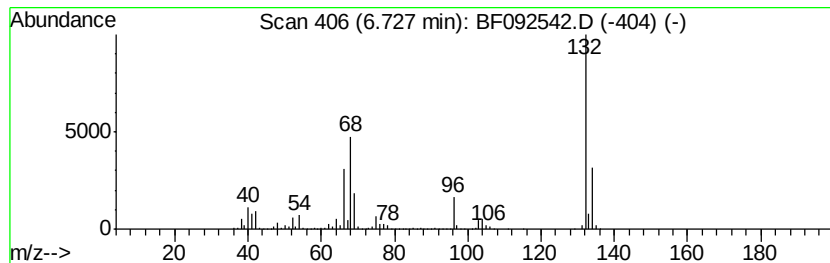
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 unknown6.73 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	74.75 ng	3867980	1,4-Dichlorobenzene-d4	6.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Aminoindole	132	C8H8N2	005192-03-0	12
3		Tranvlcyproline-propionyl	189	C12H15NO	1000123-86-3	10
4		Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
5		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092542.D
Acq On : 26 Jan 2017 23:15
Operator : SJ/MA
Sample : I1451-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
W-28

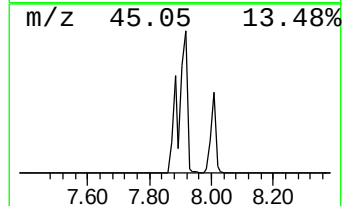
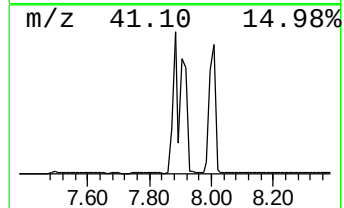
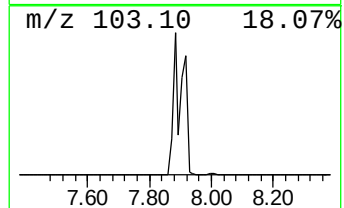
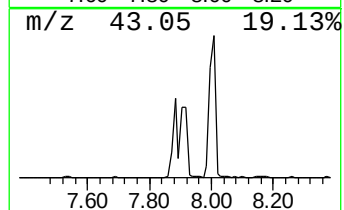
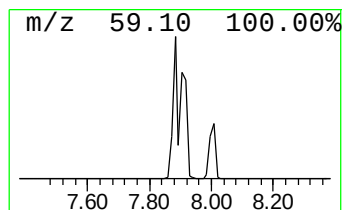
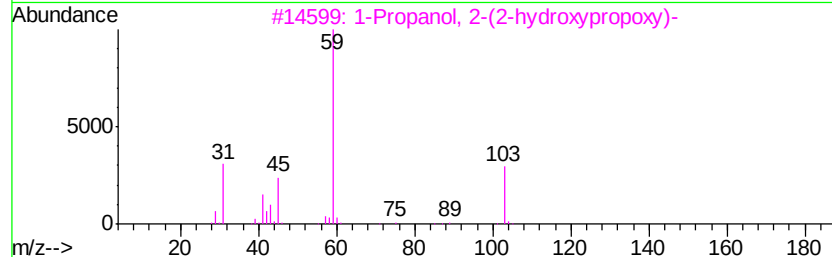
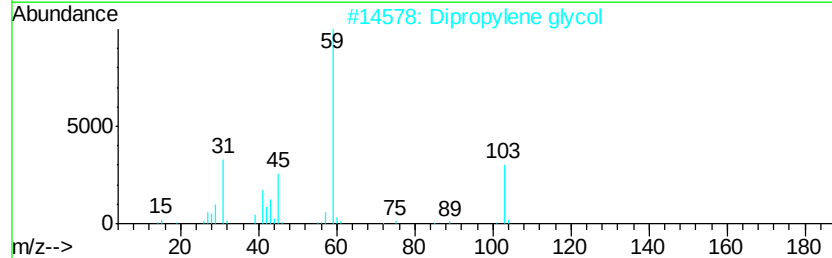
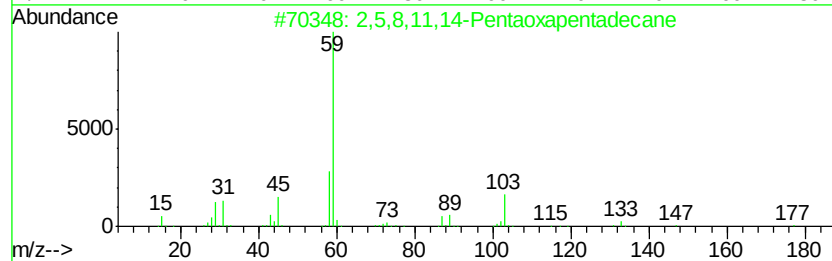
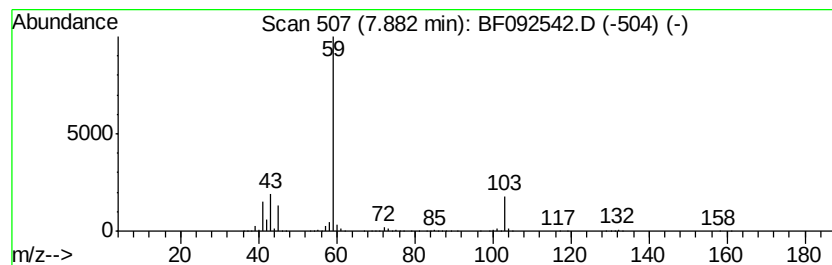
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 2,5,8,11,14-Pentaoxapentade... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.88	46.77 ng	2995720	Napthalene-d8	8.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,5,8,11,14-Pentaoxapentadecane	222	C10H22O5	000143-24-8	78
2		Dipropylene glycol	134	C6H14O3	025265-71-8	78
3		1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	78
4		Methane, diethoxy-	104	C5H12O2	000462-95-3	78
5		Hexaethylene glycol dimethyl ether	310	C14H30O7	001072-40-8	78



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092542.D
Acq On : 26 Jan 2017 23:15
Operator : SJ/MA
Sample : I1451-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
W-28

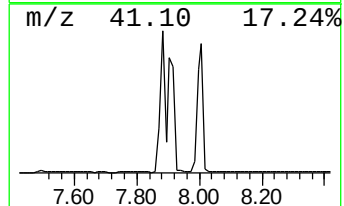
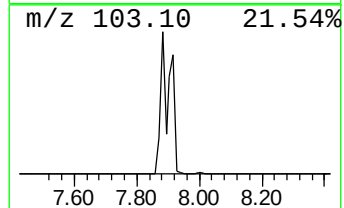
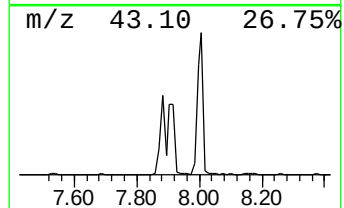
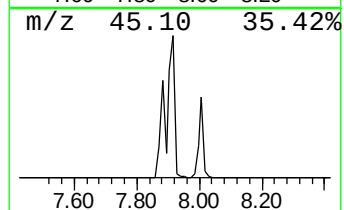
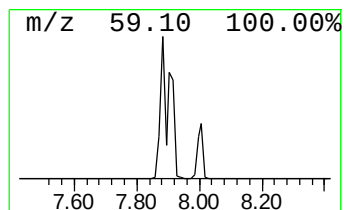
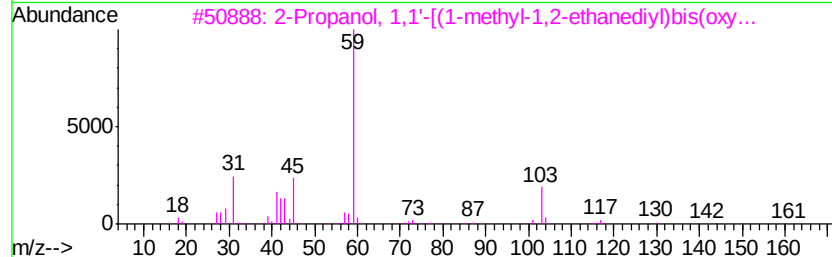
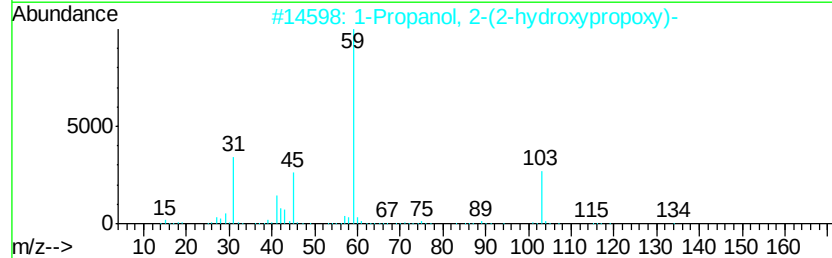
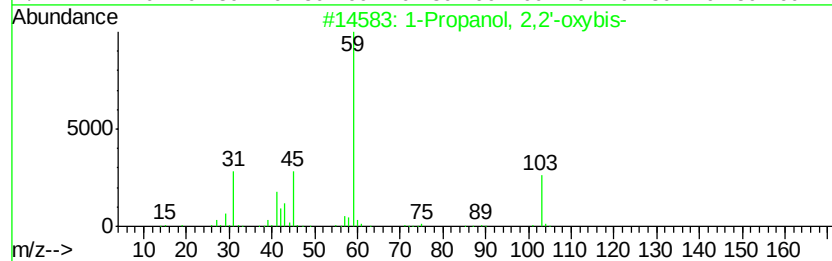
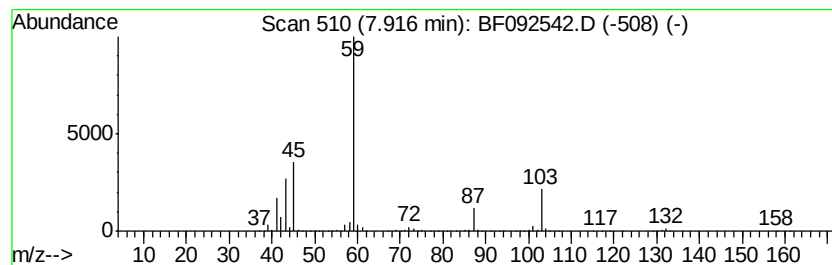
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1-Propanol, 2,2'-oxybis- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.92	49.95 ng	3198890	Napthalene-d8	8.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Propanol, 2,2'-oxybis-	134	C6H14O3	000108-61-2	72
2		1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	64
3		2-Propanol, 1,1'-[(1-methyl-1,2-...	192	C9H20O4	001638-16-0	64
4		Dipropylene glycol	134	C6H14O3	025265-71-8	64
5		2-Propanol, 1-(2-methoxy-1-methy...	148	C7H16O3	020324-32-7	56



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092542.D
Acq On : 26 Jan 2017 23:15
Operator : SJ/MA
Sample : I1451-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
W-28

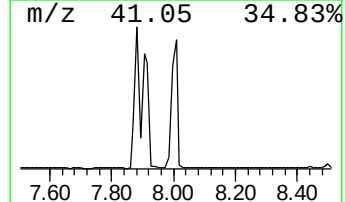
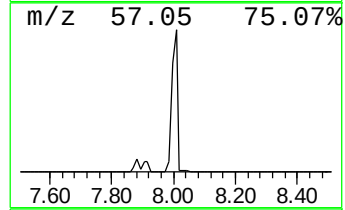
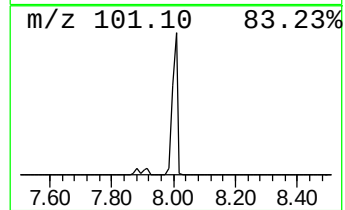
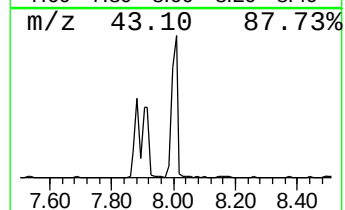
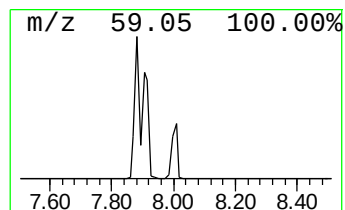
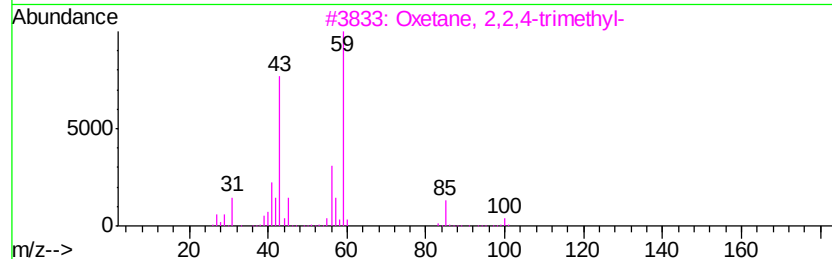
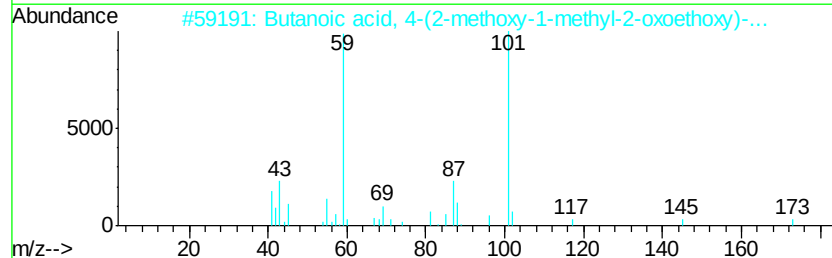
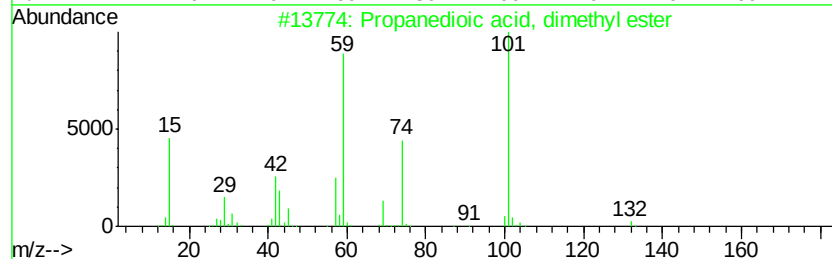
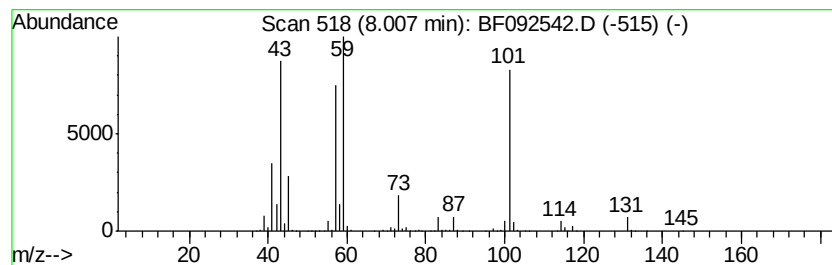
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown8.01 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.01	56.97 ng	3648590	Naphthalene-d8	8.26

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Propanedioic acid, dimethyl ester	132	C5H8O4	000108-59-8	45
2		Butanoic acid, 4-(2-methoxy-1-me...	204	C9H16O5	054966-46-0	45
3		Oxetane, 2,2,4-trimethyl-	100	C6H12O	023120-44-7	38
4		Butanedioic acid, monomethyl ester	132	C5H8O4	003878-55-5	37
5		Silane, trimethyl-	74	C3H10Si	000993-07-7	35



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092542.D
Acq On : 26 Jan 2017 23:15
Operator : SJ/MA
Sample : I1451-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
W-28

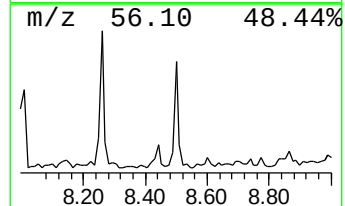
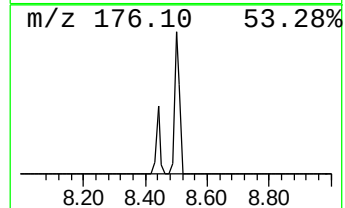
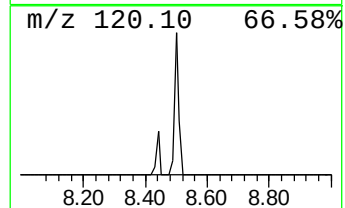
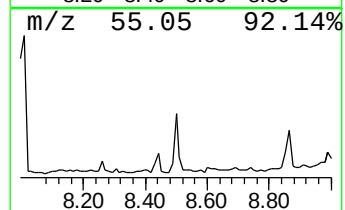
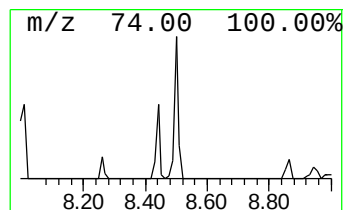
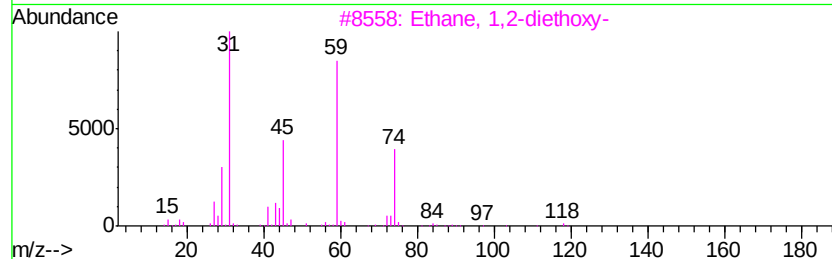
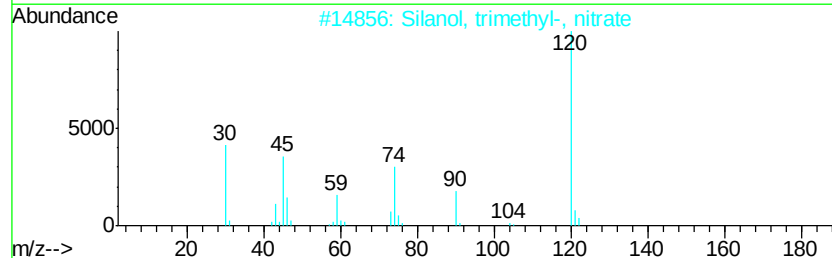
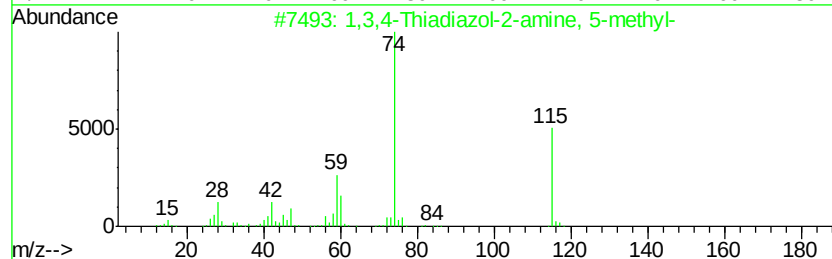
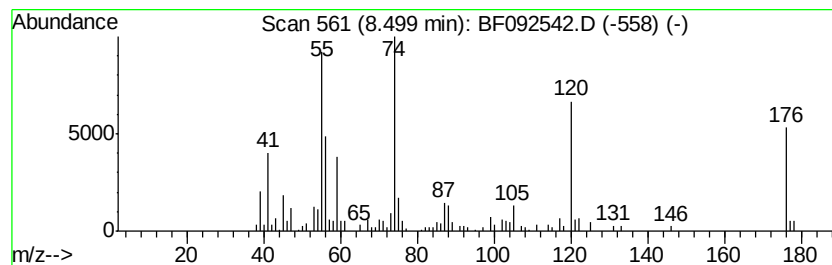
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 unknown8.50 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.50	2.20 ng	140793	Napthalene-d8	8.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,3,4-Thiadiazol-2-amine, 5-methyl-	115	C3H5N3S	000108-33-8	35
2		Silanol, trimethyl-, nitrate	135	C3H9N03Si	018026-82-9	16
3		Ethane, 1,2-diethoxy-	118	C6H14O2	000629-14-1	14
4		Thiirane, methyl-	74	C3H6S	001072-43-1	12
5		5,6-Dihydro-2-methyl-1,4-dithiin...	176	C6H8O2S2	035756-29-7	11



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012617\
Data File : BF092542.D
Acq On : 26 Jan 2017 23:15
Operator : SJ/MA
Sample : I1451-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
W-28

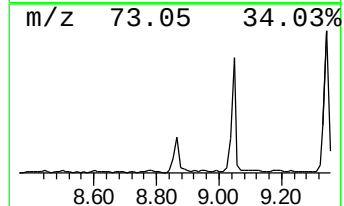
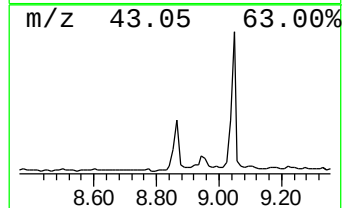
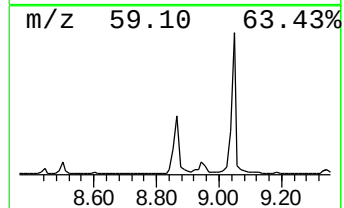
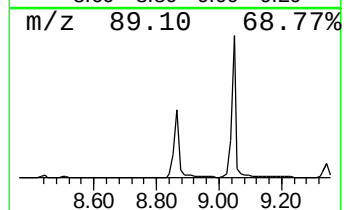
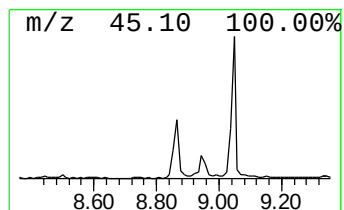
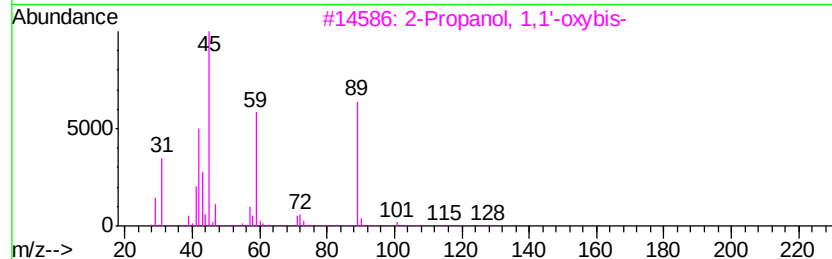
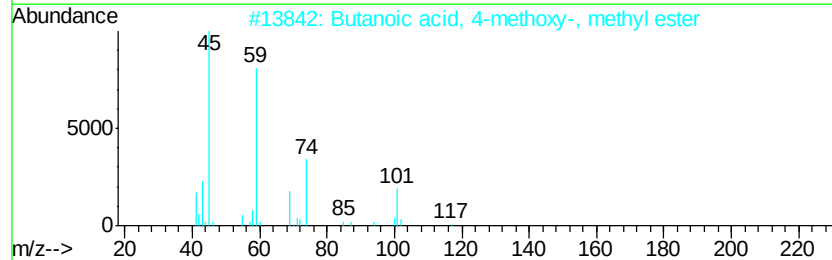
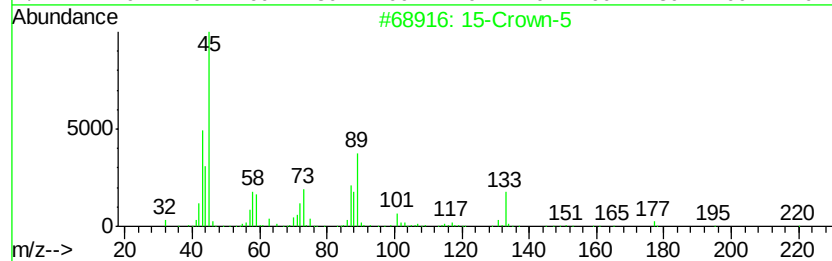
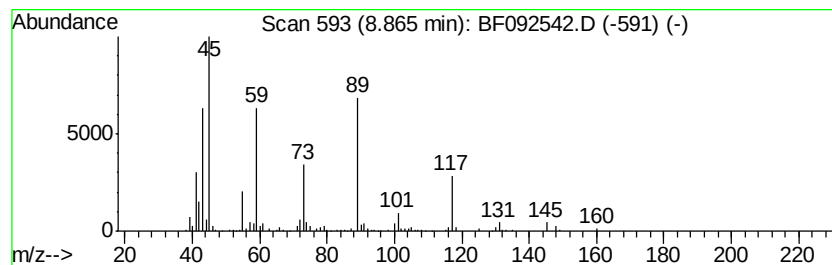
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown8.86 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.86	3.84 ng	245916	Napthalene-d8	8.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	15-Crown-5	220	C10H20O5	033100-27-5	45
2		Butanoic acid, 4-methoxy-, methy...	132	C6H12O3	029006-01-7	43
3		2-Propanol, 1,1'-oxybis-	134	C6H14O3	000110-98-5	42
4		2,5,8,11,14-Pentaoxahexadecan-16-ol	252	C11H24O6	023778-52-1	40
5		1,3,3-Trimethoxybutane	148	C7H16O3	006607-66-5	40



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092542.D
Acq On : 26 Jan 2017 23:15
Operator : SJ/MA
Sample : I1451-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
W-28

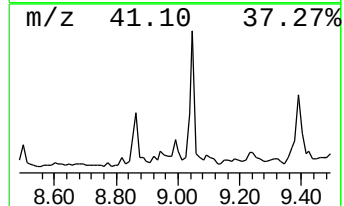
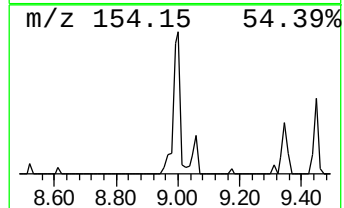
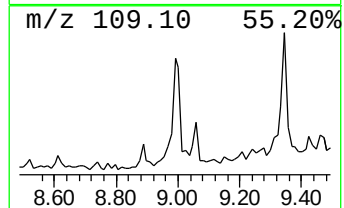
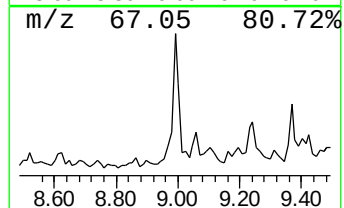
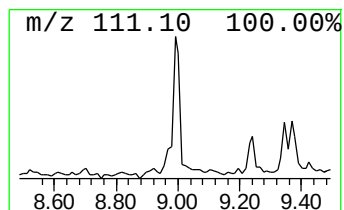
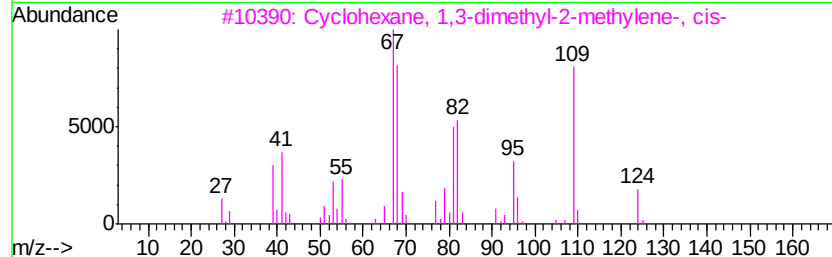
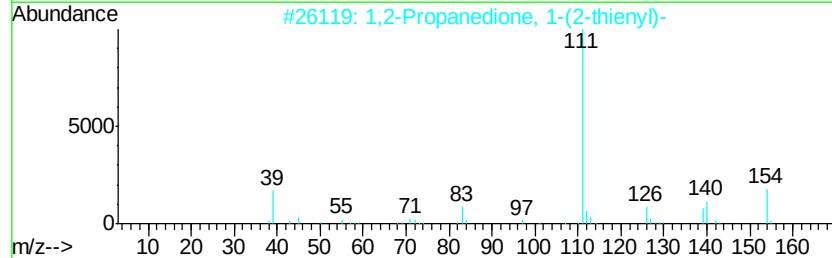
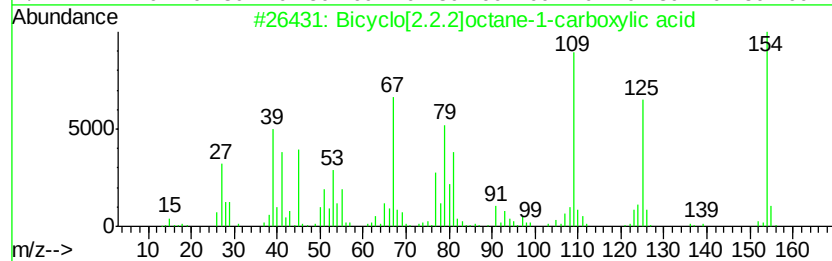
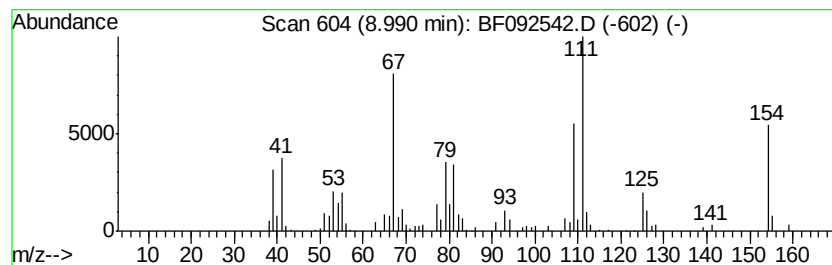
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown8.99 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.99	2.37 ng	152099	Naphthalene-d8	8.26

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Bicyclo[2.2.2]octane-1-carboxyli...	154	C9H14O2	000699-55-8	46
2			1,2-Propanedione, 1-(2-thienyl)-	154	C7H6O2S	013678-69-8	38
3			Cyclohexane, 1,3-dimethyl-2-meth...	124	C9H16	019781-47-6	35
4			Cyclohexane, 1,3-dimethyl-2-meth...	124	C9H16	020348-74-7	35
5			3-Octyne	110	C8H14	015232-76-5	30



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092542.D
Acq On : 26 Jan 2017 23:15
Operator : SJ/MA
Sample : I1451-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

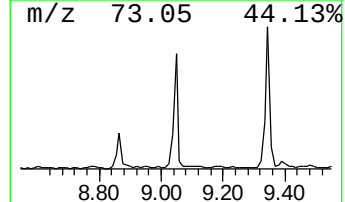
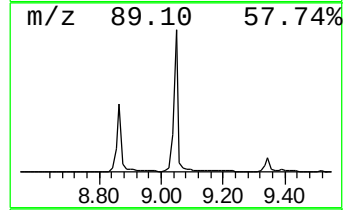
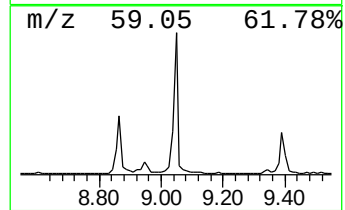
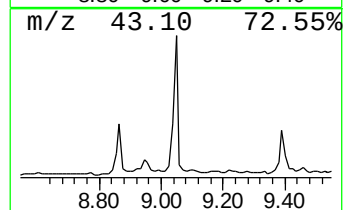
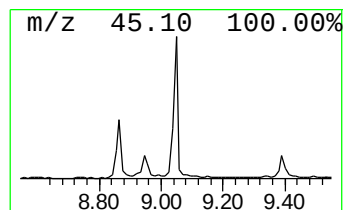
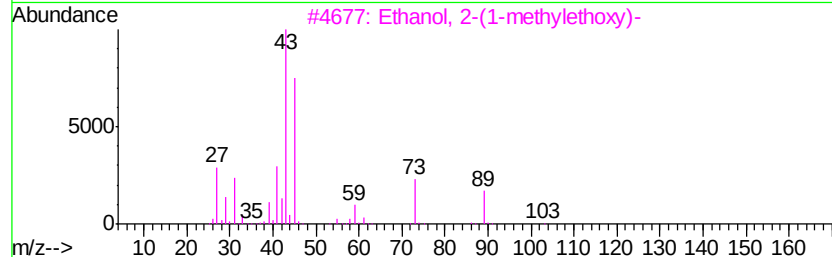
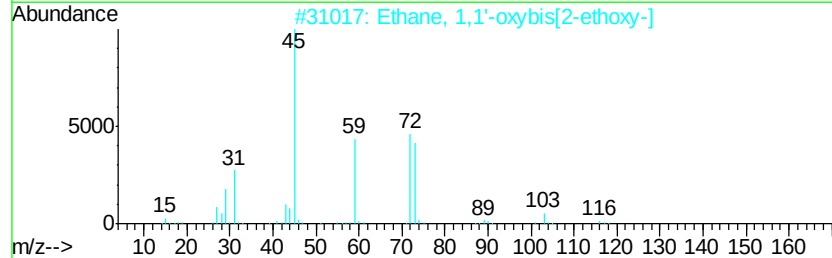
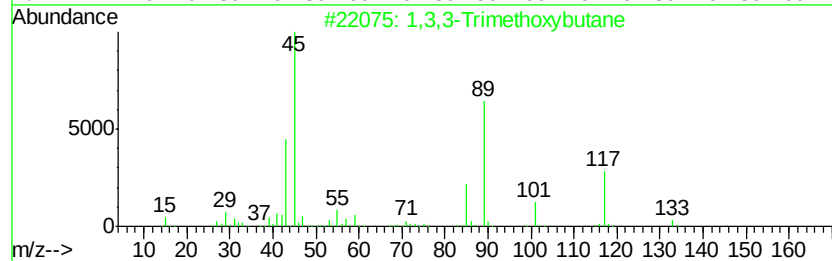
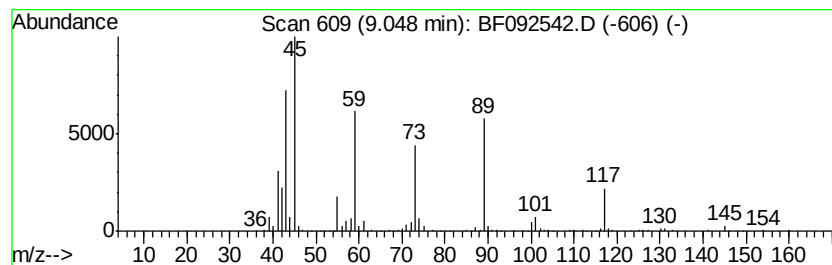
Instrument :
BNA_F
ClientSampleId :
W-28

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 1,3,3-Trimethoxybutane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.05	8.97 ng	574592	Napthalene-d8	8.26	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,3-Trimethoxybutane	148	C7H16O3	006607-66-5	50
2	Ethane, 1,1'-oxybis[2-ethoxy-]	162	C8H18O3	000112-36-7	47
3	Ethanol, 2-(1-methylethoxy)-	104	C5H12O2	000109-59-1	38
4	Carbonic acid, bis(1-methylethyl...	146	C7H14O3	006482-34-4	38
5	Butanoic acid, 4-methoxy-, methy...	132	C6H12O3	029006-01-7	37



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092542.D
Acq On : 26 Jan 2017 23:15
Operator : SJ/MA
Sample : I1451-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

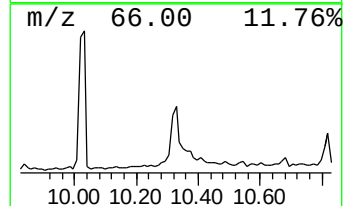
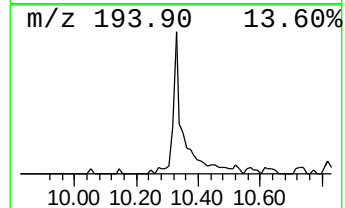
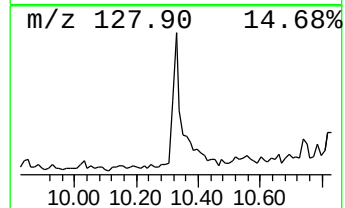
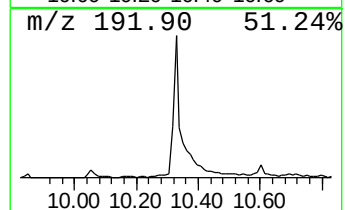
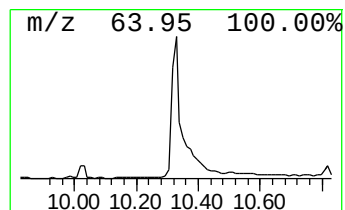
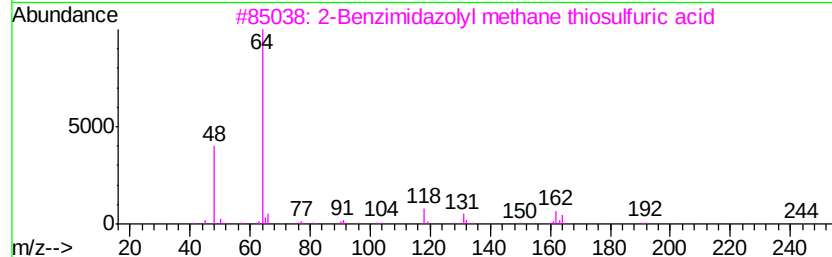
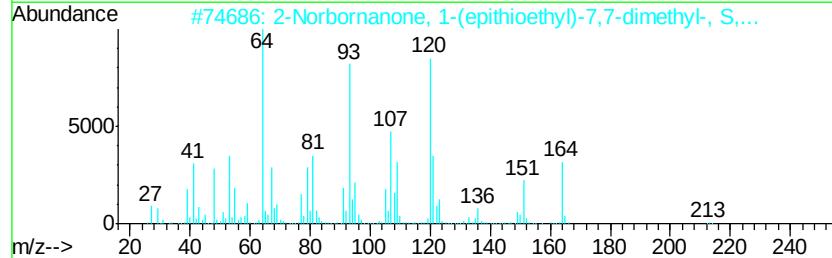
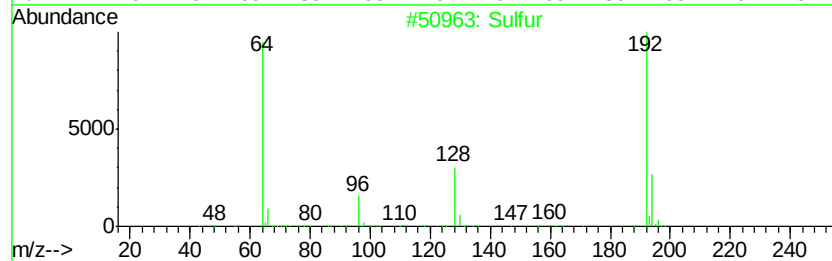
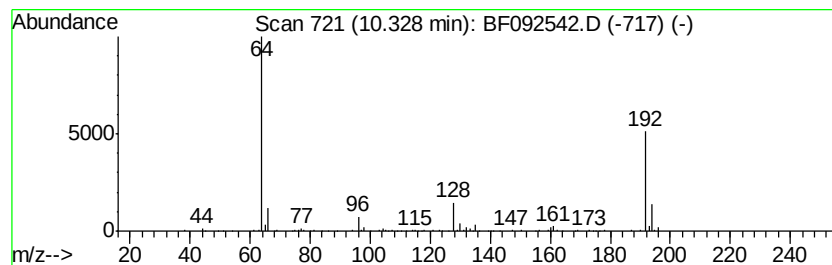
Instrument :
BNA_F
ClientSampleId :
W-28

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Sulfur Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.33	6.40 ng	518082	Acenaphthene-d10	10.03
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Sulfur		192 S6	013798-23-7 91
2	2-Norbornanone, 1-(epithioethyl)...		228 C11H16O3S	001782-93-0 38
3	2-Benzimidazolyl methane thiosul...		244 C8H8N2O3S2	1000256-39-2 9
4	2-Chloro-7-methoxynaphthalene		192 C11H9ClO	067061-67-0 5
5	Tetrazolo[1,5-b]pyridazine, 6-ch...		155 C4H2ClN5	021413-15-0 5



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092542.D
Acq On : 26 Jan 2017 23:15
Operator : SJ/MA
Sample : I1451-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
W-28

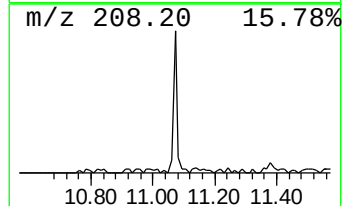
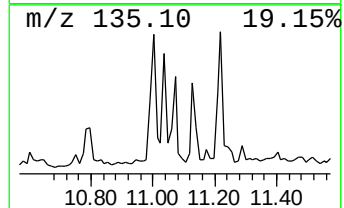
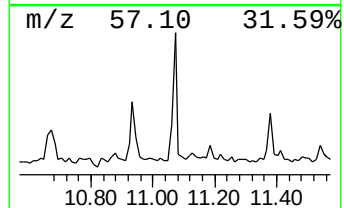
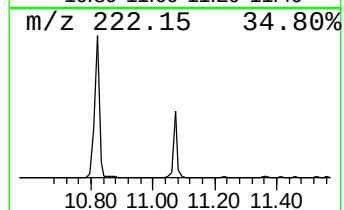
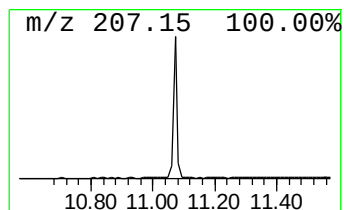
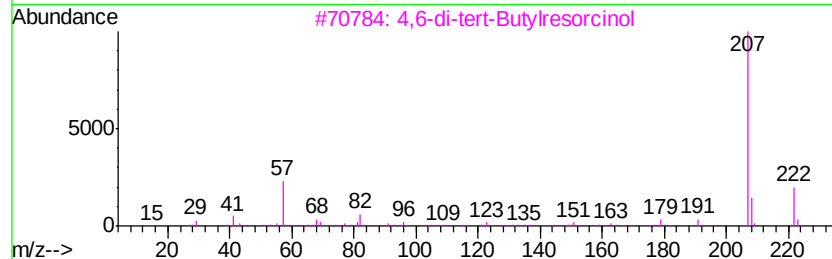
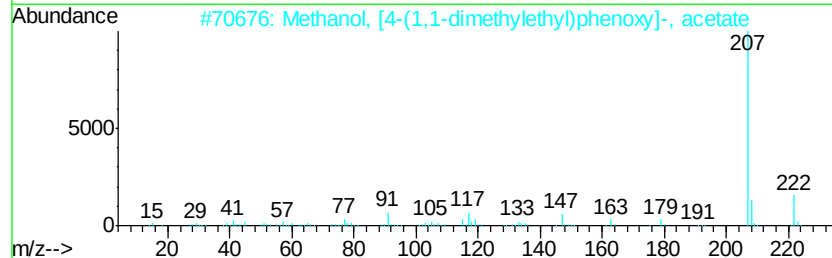
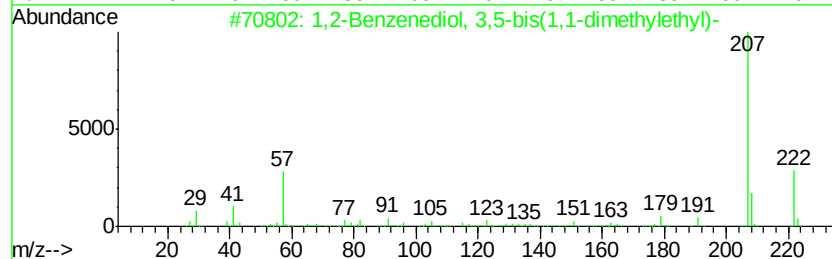
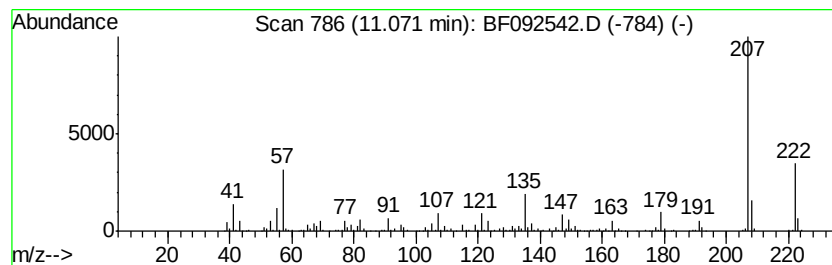
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 1,2-Benzenediol, 3,5-bis(1,... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	5.29 ng	427695	Phenanthrene-d10	11.52

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,2-Benzenediol, 3,5-bis(1,1-dim...	222	C14H22O2	001020-31-1	92
2			Methanol, [4-(1,1-dimethylethyl)...	222	C13H18O3	054889-98-4	53
3			4,6-di-tert-Butylresorcinol	222	C14H22O2	005374-06-1	53
4			1,4-Benzenediol, 2,6-bis(1,1-dim...	222	C14H22O2	002444-28-2	50
5			1,3-Benzenedicarboxylic acid, 5-...	222	C12H14O4	002359-09-3	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092542.D
Acq On : 26 Jan 2017 23:15
Operator : SJ/MA
Sample : I1451-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

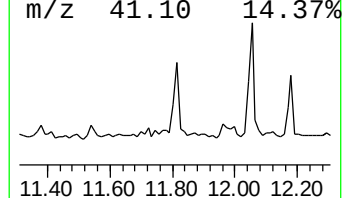
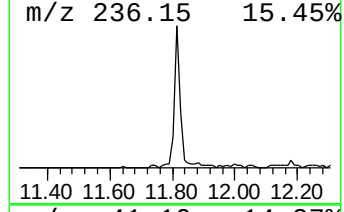
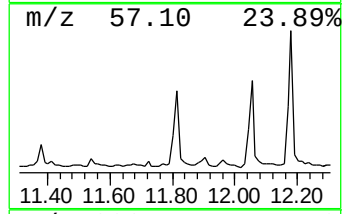
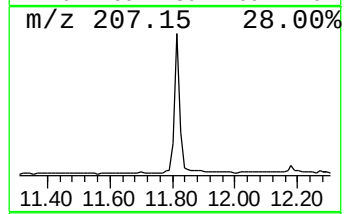
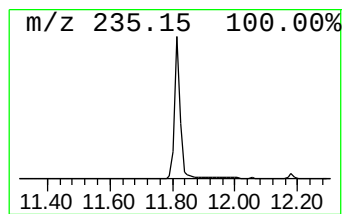
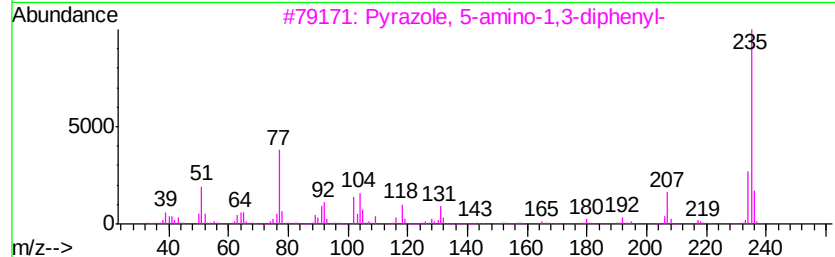
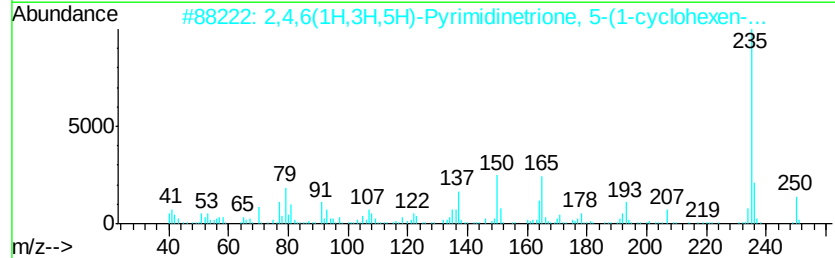
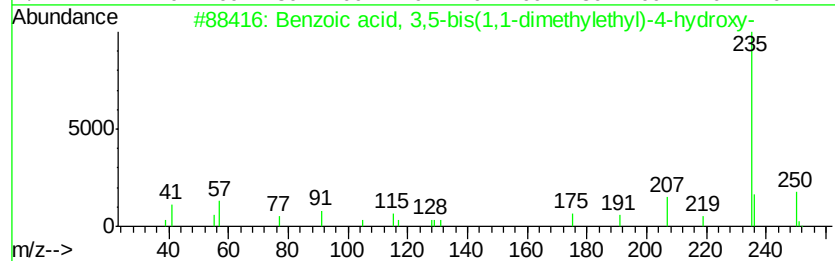
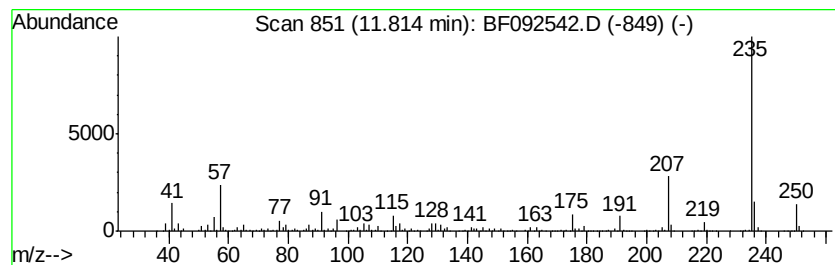
Instrument :
BNA_F
ClientSampleId :
W-28

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Benzoic acid, 3,5-bis(1,1-d... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.81	8.58 ng	694609	Phenanthrene-d10	11.52	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 3,5-bis(1,1-dimeth...	250	C15H22O3	001421-49-4	97
2	2,4,6(1H,3H,5H)-Pyrimidinetrione...	250	C13H18N2O3	000726-79-4	59
3	Pyrazole, 5-amino-1,3-diphenyl-	235	C15H13N3	005356-71-8	59
4	3-Cyclohexen-1-one, 2,2,4-trimet...	250	C15H22O3	1000197-90-2	59
5	Hexobarbital-2(or 4)-methyl deri...	250	C13H18N2O3	1000123-51-5	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092542.D
Acq On : 26 Jan 2017 23:15
Operator : SJ/MA
Sample : I1451-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
W-28

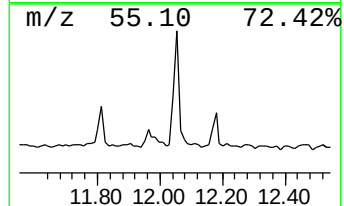
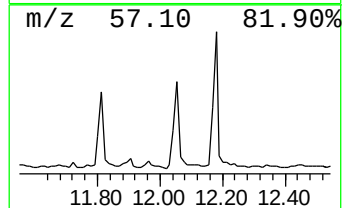
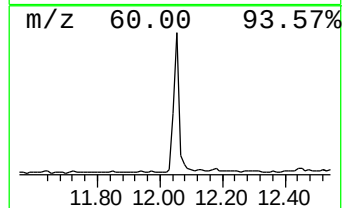
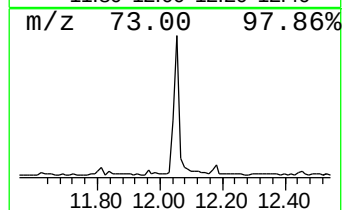
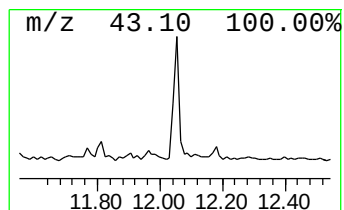
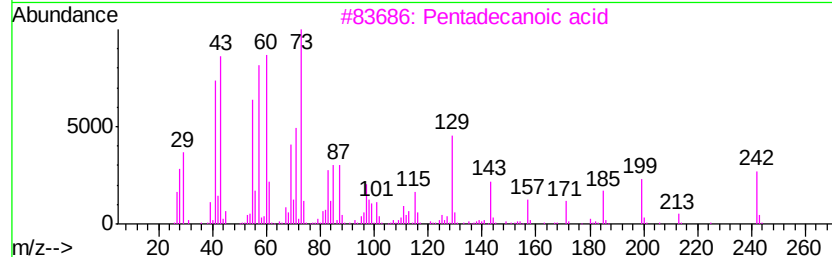
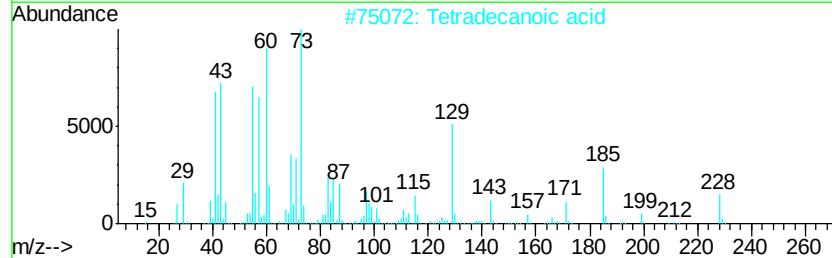
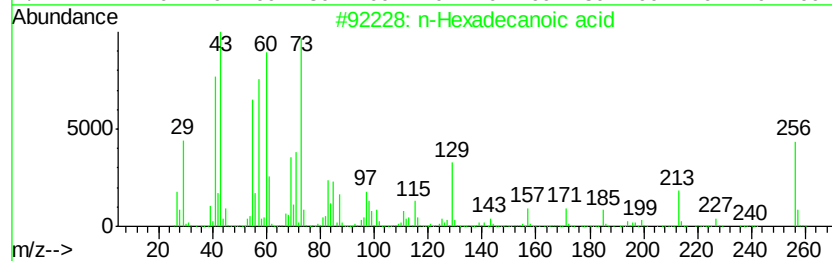
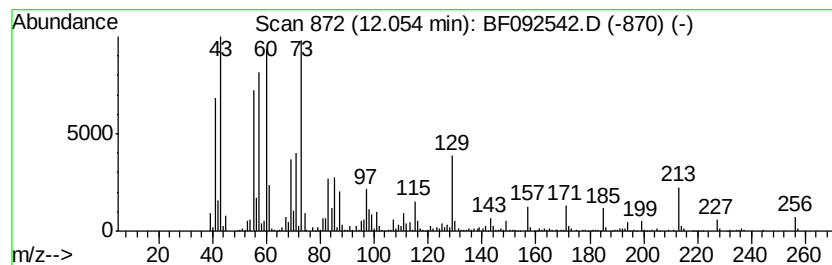
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 n-Hexadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	8.19 ng	662390	Phenanthrene-d10	11.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
2		Tetradecanoic acid	228	C14H28O2	000544-63-8	93
3		Pentadecanoic acid	242	C15H30O2	001002-84-2	83
4		n-Decanoic acid	172	C10H20O2	000334-48-5	76
5		Undecanoic acid	186	C11H22O2	000112-37-8	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092542.D
Acq On : 26 Jan 2017 23:15
Operator : SJ/MA
Sample : I1451-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
W-28

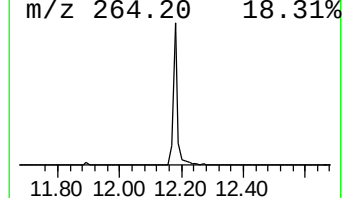
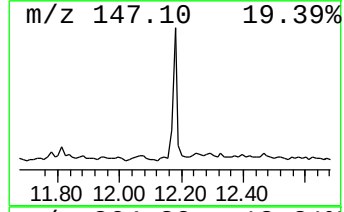
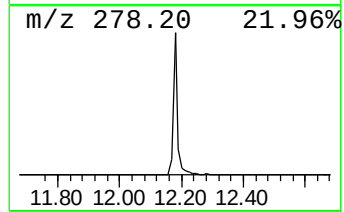
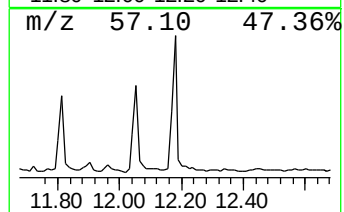
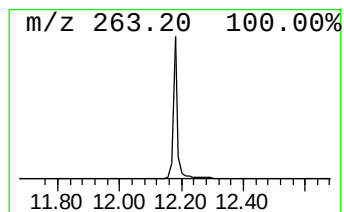
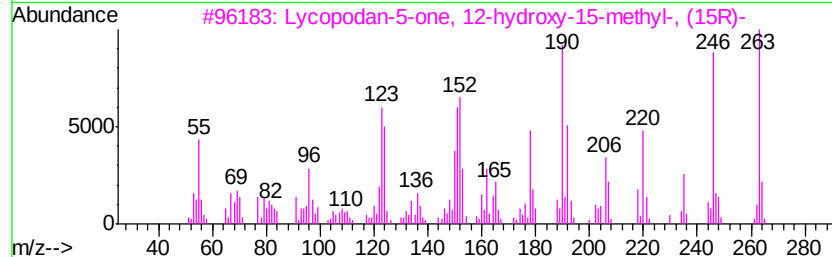
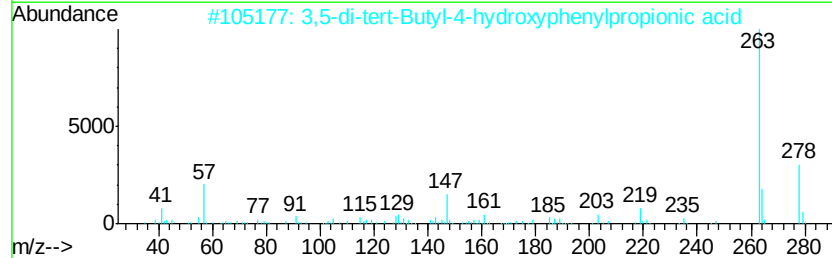
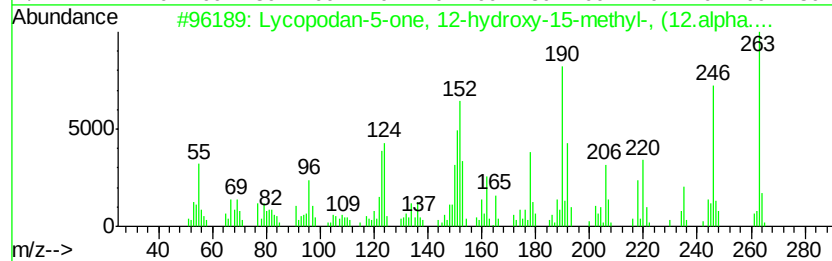
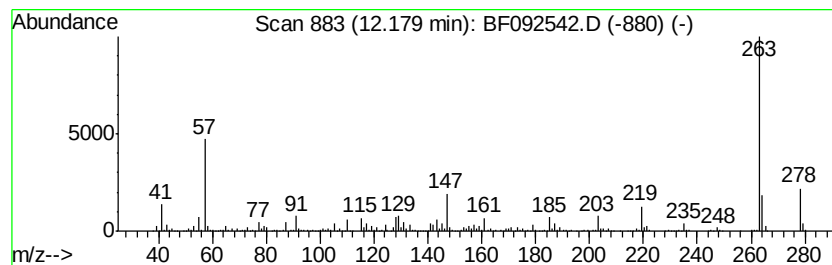
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Lycopodan-5-one, 12-hydroxy... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	8.06 ng	652266	Phenanthrene-d10	11.52

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Lycopodan-5-one, 12-hydroxy-15-m...	263	C16H25NO2	021061-90-5	95
2		3,5-di-tert-Butyl-4-hydroxypheny...	278	C17H26O3	020170-32-5	95
3		Lycopodan-5-one, 12-hydroxy-15-m...	263	C16H25NO2	006900-92-1	91
4		Iron, (.eta.-5-cyclopentadienyl)...	263	C15H13FeN	1000164-28-2	49
5		Trimethyl(2,6 ditert.-butylpheno...	278	C17H30OSi	010416-73-6	42



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092542.D
Acq On : 26 Jan 2017 23:15
Operator : SJ/MA
Sample : I1451-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

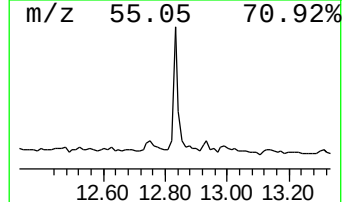
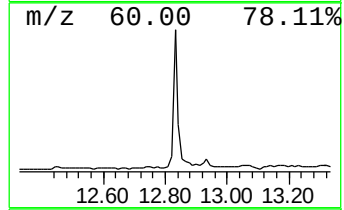
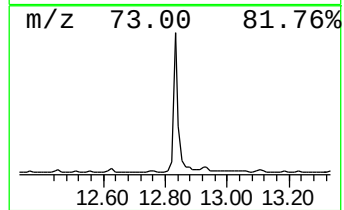
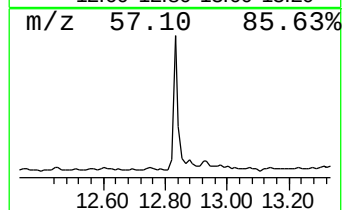
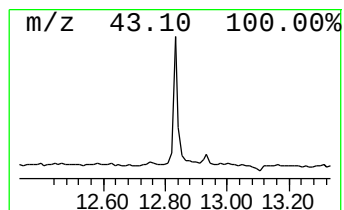
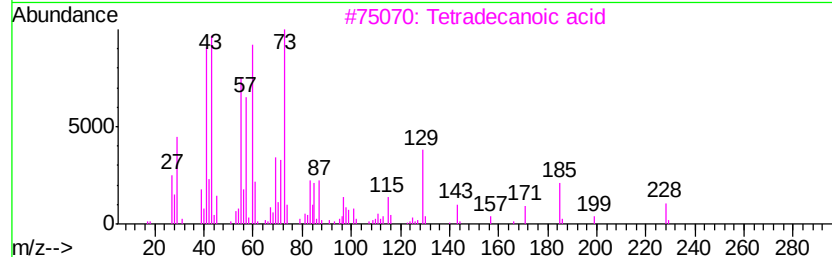
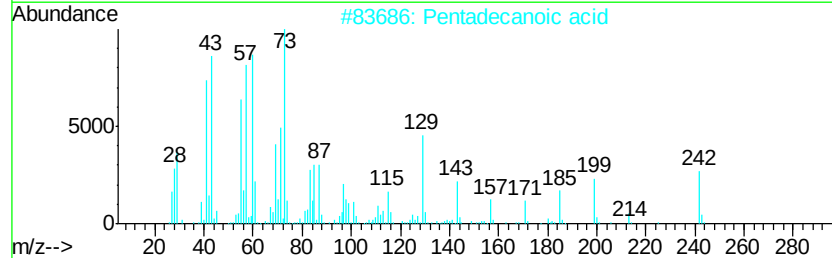
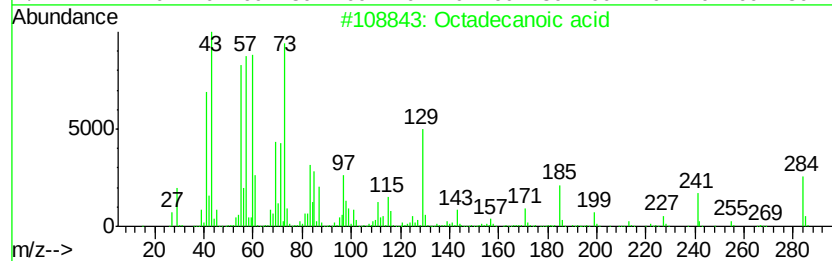
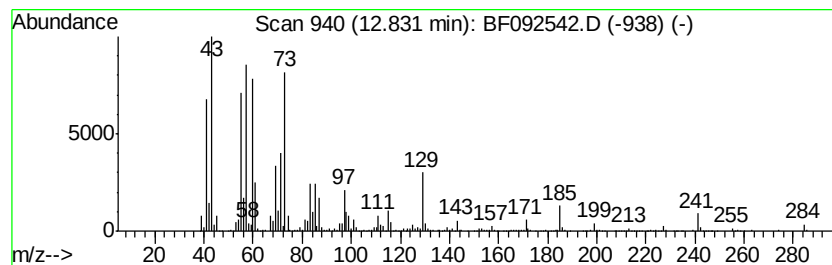
Instrument :
BNA_F
ClientSampleId :
W-28

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Octadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.83	9.74 ng	788588	Phenanthrene-d10		11.52
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	43
4	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	15
5	Hexadecane	226	C16H34	000544-76-3	15



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092542.D
Acq On : 26 Jan 2017 23:15
Operator : SJ/MA
Sample : I1451-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
W-28

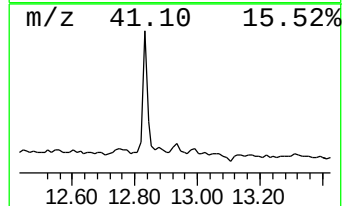
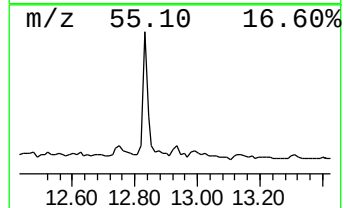
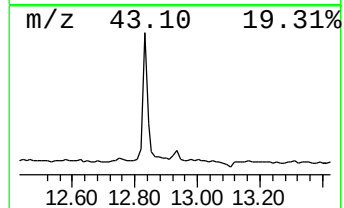
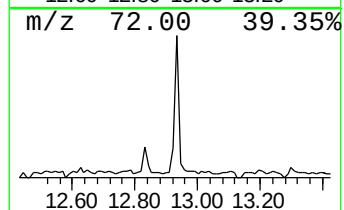
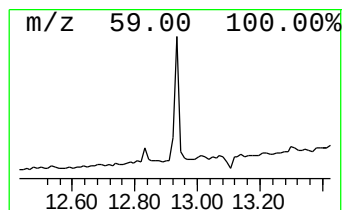
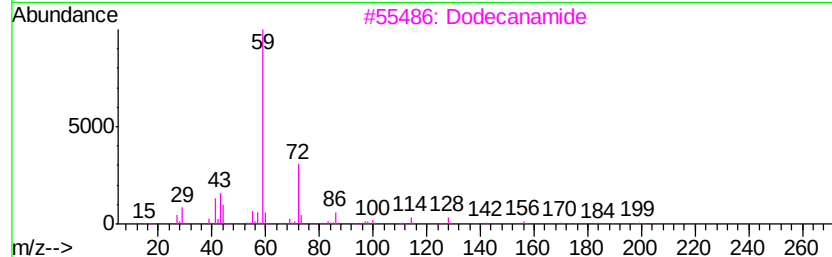
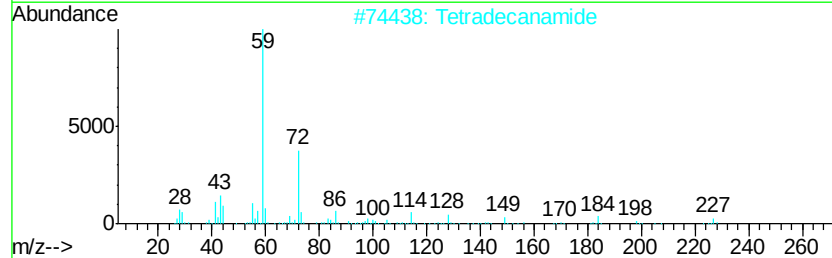
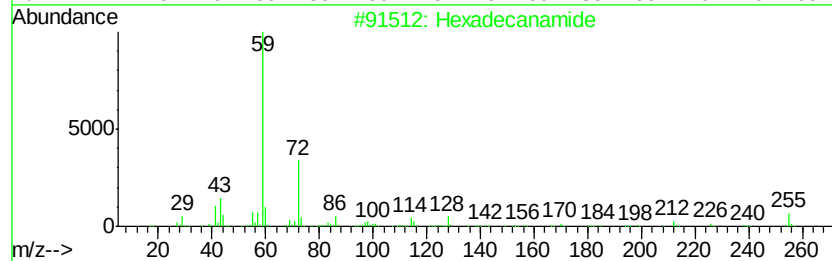
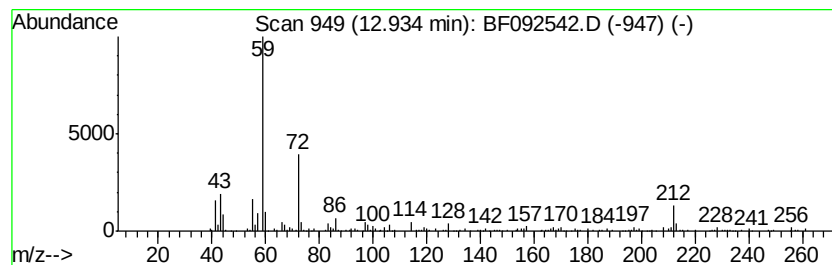
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Hexadecanamide Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	2.19 ng	147365	Chrysene-d12	14.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecanamide	255	C16H33NO	000629-54-9	80
2		Tetradecanamide	227	C14H29NO	000638-58-4	72
3		Dodecanamide	199	C12H25NO	001120-16-7	70
4		Octanamide	143	C8H17NO	000629-01-6	56
5		Decanamide-	171	C10H21NO	002319-29-1	56



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092542.D
Acq On : 26 Jan 2017 23:15
Operator : SJ/MA
Sample : I1451-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
W-28

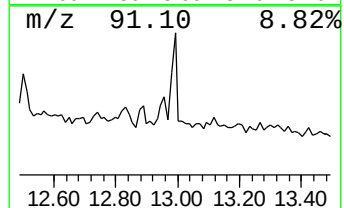
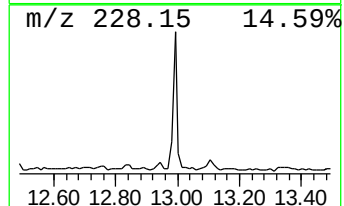
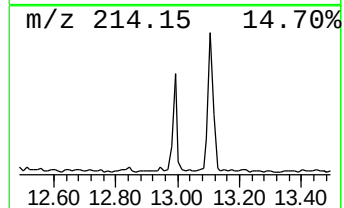
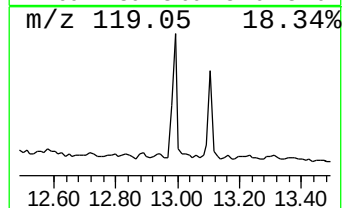
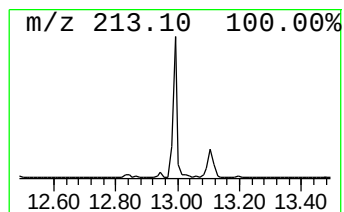
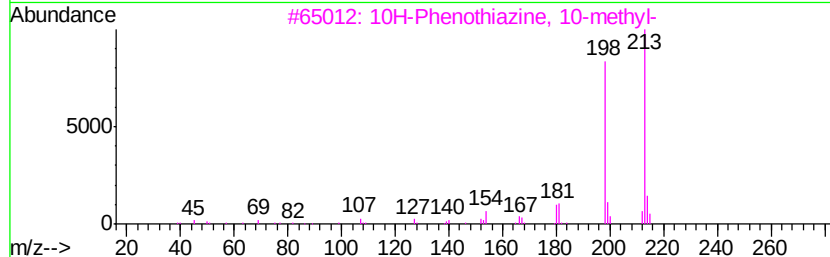
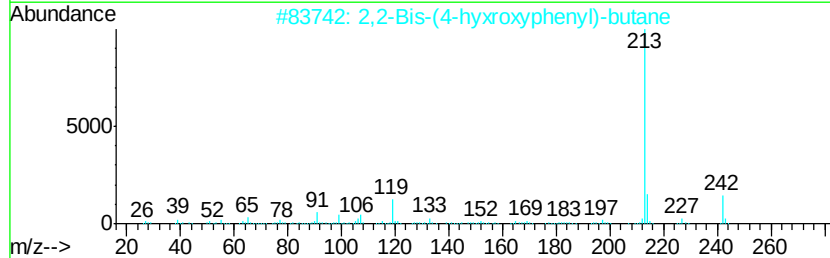
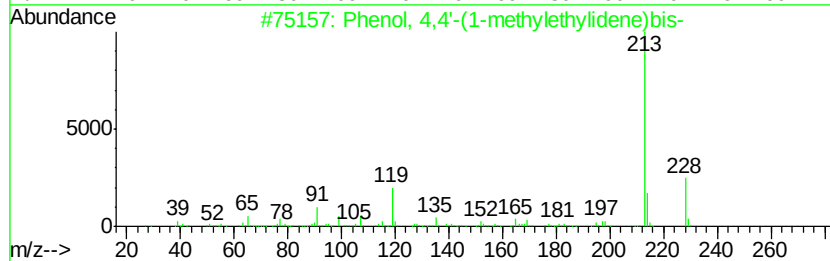
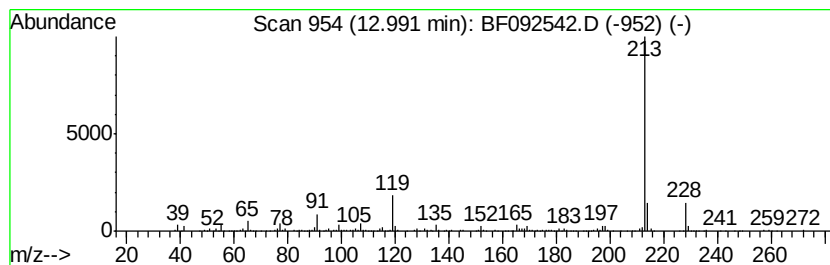
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Phenol, 4,4'-(1-methylethyl... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	3.57 ng	240254	Chrysene-d12	14.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenol, 4,4'-(1-methylethylidene)bis-	228	C15H16O2	000080-05-7	95
2		2,2-Bis-(4-hydroxyphenyl)-butane	242	C16H18O2	000077-40-7	72
3		10H-Phenothiazine, 10-methyl-	213	C13H11NS	001207-72-3	45
4		1,4-Puran, 5,6-dihydro-3-[3-indolyl]-	213	C14H15NO	1000128-72-9	45
5		4H-Pyrazolo[5,1-c]-1,4-benzodiazepine	213	C11H7N3O2	1000277-20-1	39



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012617\
Data File : BF092542.D
Acq On : 26 Jan 2017 23:15
Operator : SJ/MA
Sample : I1451-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

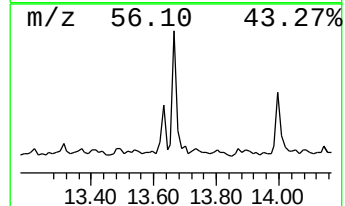
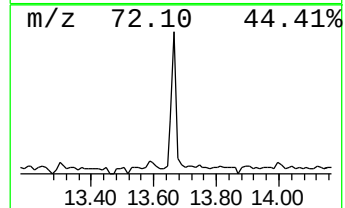
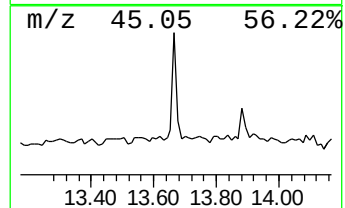
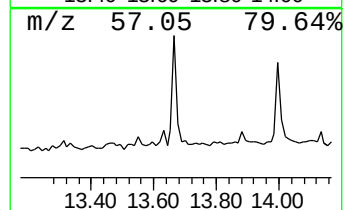
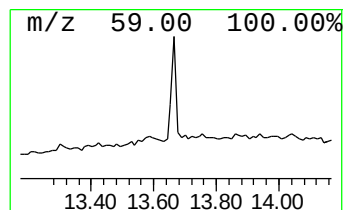
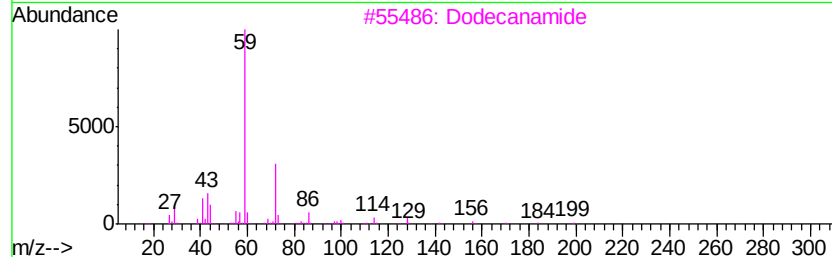
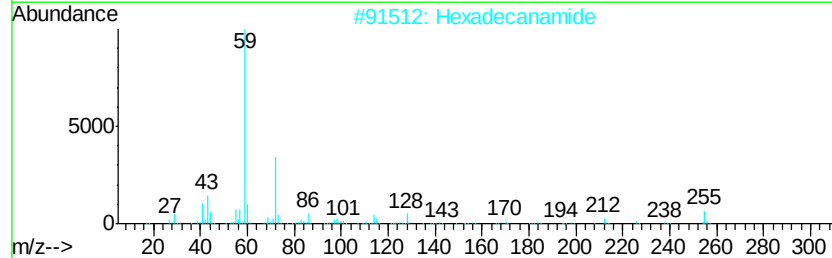
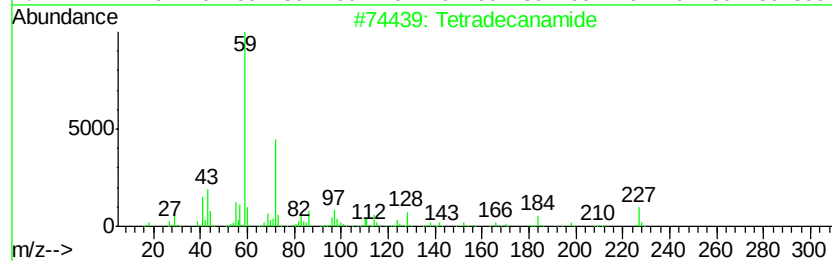
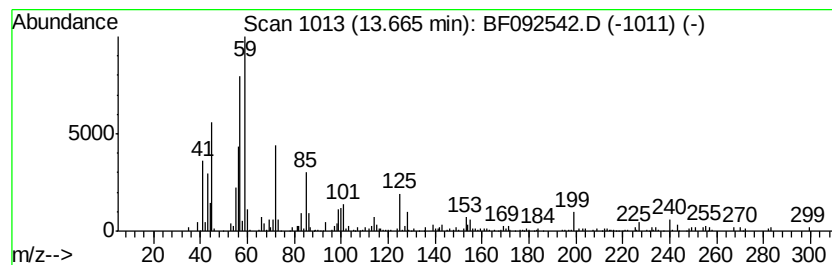
Instrument :
BNA_F
ClientSampleId :
W-28

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Tetradecanamide Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	2.40 ng	161674	Chrysene-d12	14.16
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Tetradecanamide	227 C14H29NO	000638-58-4 50
2		Hexadecanamide	255 C16H33NO	000629-54-9 50
3		Dodecanamide	199 C12H25NO	001120-16-7 50
4		Octadecanamide	283 C18H37NO	000124-26-5 42
5		Benzeneethanamine, 2-fluoro-.bet...	229 C11H16FN03	061338-98-5 38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012617\
 Data File : BF092542.D
 Acq On : 26 Jan 2017 23:15
 Operator : SJ/MA
 Sample : I1451-01
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-28

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.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-Pentanol, 4-met...	3.85	3.0	ng	152616	1	6.97	1034860	20.0
2-Pentanone, 4-hy...	5.14	12.7	ng	656999	1	6.97	1034860	20.0
unknown6.73	6.73	74.8	ng	3867980	1	6.97	1034860	20.0
2,5,8,11,14-Penta...	7.88	46.8	ng	2995720	2	8.26	1280940	20.0
1-Propanol, 2,2'-...	7.92	50.0	ng	3198890	2	8.26	1280940	20.0
unknown8.01	8.01	57.0	ng	3648590	2	8.26	1280940	20.0
unknown8.50	8.50	2.2	ng	140793	2	8.26	1280940	20.0
unknown8.86	8.86	3.8	ng	245916	2	8.26	1280940	20.0
unknown8.99	8.99	2.4	ng	152099	2	8.26	1280940	20.0
1,3,3-Trimethoxyb...	9.05	9.0	ng	574592	2	8.26	1280940	20.0
Sulfur	10.33	6.4	ng	518082	3	10.03	1618380	20.0
1,2-Benzenediol, ...	11.07	5.3	ng	427695	4	11.52	1618460	20.0
Benzoic acid, 3,5...	11.81	8.6	ng	694609	4	11.52	1618460	20.0
n-Hexadecanoic acid	12.05	8.2	ng	662390	4	11.52	1618460	20.0
Lycopodan-5-one, ...	12.18	8.1	ng	652266	4	11.52	1618460	20.0
Octadecanoic acid	12.83	9.7	ng	788588	4	11.52	1618460	20.0
Hexadecanamide	12.93	2.2	ng	147365	5	14.16	1345340	20.0
Phenol, 4,4'-(1-m...	12.99	3.6	ng	240254	5	14.16	1345340	20.0
Tetradecanamide	13.67	2.4	ng	161674	5	14.16	1345340	20.0