

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
 Data File : BF081509.D
 Acq On : 6 Sep 2015 14:47
 Operator : UM/IZ
 Sample : G3472-04
 Misc :
 ALS Vial : 84 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB004

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-BF090115.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.399	243	246	258	rVB	386628	681996	51.84%	3.796%
2	4.901	288	290	293	rBV	1057686	1149984	87.41%	6.400%
3	6.033	386	389	391	rBV	1069627	1315561	100.00%	7.322%
4	6.124	395	397	399	rBV	1380284	1210524	92.02%	6.737%
5	6.353	415	417	420	rVB	381681	334228	25.41%	1.860%
6	6.513	428	431	433	rBV	1102374	955186	72.61%	5.316%
7	6.936	465	468	470	rBV	888168	850335	64.64%	4.732%
8	7.645	528	530	534	rVB	487828	429096	32.62%	2.388%
9	8.433	597	599	603	rVB	13724	25501	1.94%	0.142%
10	8.730	622	625	627	rBV	1544712	1314697	99.93%	7.317%
11	9.130	658	660	663	rBV	200797	181642	13.81%	1.011%
12	9.245	668	670	673	rVB	36166	31174	2.37%	0.173%
13	9.382	680	682	684	rVV2	359401	381021	28.96%	2.121%
14	9.416	684	685	687	rVB	48235	36048	2.74%	0.201%
15	9.588	699	700	703	rBV	23083	20411	1.55%	0.114%
16	9.850	722	723	725	rVB	18815	15744	1.20%	0.088%
17	9.930	728	730	732	rBV	33846	35970	2.73%	0.200%
18	10.068	738	742	743	rBV2	7032	15089	1.15%	0.084%
19	10.171	748	751	753	rBV	714771	687444	52.25%	3.826%
20	10.319	763	764	767	rVB	29336	35616	2.71%	0.198%
21	10.662	793	794	797	rVB	27206	25153	1.91%	0.140%
22	10.765	800	803	805	rVV2	35859	55244	4.20%	0.307%
23	10.856	808	811	812	rBV	295221	531247	40.38%	2.957%
24	10.879	812	813	814	rVV	405902	279475	21.24%	1.555%
25	10.925	814	817	819	rVB	119698	102183	7.77%	0.569%
26	11.085	828	831	833	rBV	26266	47114	3.58%	0.262%
27	11.188	838	840	842	rVB	33409	31433	2.39%	0.175%
28	11.348	852	854	855	rBV	78961	70646	5.37%	0.393%
29	11.371	855	856	859	rVV	54073	75114	5.71%	0.418%
30	11.428	859	861	868	rVV3	249718	440046	33.45%	2.449%
31	11.668	879	882	885	rVB	52575	87007	6.61%	0.484%
32	11.828	894	896	899	rVB2	11952	23862	1.81%	0.133%
33	11.896	899	902	903	rBV	41924	47311	3.60%	0.263%
34	11.931	903	905	908	rVV2	46137	69855	5.31%	0.389%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
 Data File : BF081509.D
 Acq On : 6 Sep 2015 14:47
 Operator : UM/IZ
 Sample : G3472-04
 Misc :
 ALS Vial : 84 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB004

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-BF090115.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.976	908	909	911	rVB2	52086	46702	3.55%	0.260%
36	12.045	913	915	918	rBV	521292	564542	42.91%	3.142%
37	12.136	918	923	926	rBV3	23233	57165	4.35%	0.318%
38	12.205	926	929	932	rBV2	79119	130220	9.90%	0.725%
39	12.274	932	935	936	rVV	495882	583367	44.34%	3.247%
40	12.342	936	941	943	rVB4	23264	68819	5.23%	0.383%
41	12.399	943	946	947	rBV	26903	34558	2.63%	0.192%
42	12.434	947	949	951	rBV	923670	845112	64.24%	4.703%
43	12.491	951	954	958	rVB2	30587	66009	5.02%	0.367%
44	12.605	958	964	965	rBV2	51446	123961	9.42%	0.690%
45	12.662	968	969	971	rBV	24576	36522	2.78%	0.203%
46	12.696	971	972	977	rVB2	59804	88319	6.71%	0.492%
47	12.788	979	980	981	rBV	29556	23466	1.78%	0.131%
48	12.822	981	983	985	rBV	83318	93103	7.08%	0.518%
49	12.925	989	992	993	rBV2	16706	27845	2.12%	0.155%
50	13.005	996	999	1000	rBV3	16578	28219	2.15%	0.157%
51	13.108	1005	1008	1010	rVV	40125	64773	4.92%	0.360%
52	13.211	1015	1017	1018	rBV	54456	63890	4.86%	0.356%
53	13.234	1018	1019	1022	rVV2	39079	74067	5.63%	0.412%
54	13.314	1024	1026	1028	rVB	43677	37798	2.87%	0.210%
55	13.359	1028	1030	1034	rVB2	84884	127291	9.68%	0.708%
56	13.462	1035	1039	1045	rBV3	405299	955991	72.67%	5.320%
57	13.554	1045	1047	1049	rBV2	29589	46691	3.55%	0.260%
58	13.691	1058	1059	1061	rVB	20729	15650	1.19%	0.087%
59	13.805	1068	1069	1070	rBV	21169	28801	2.19%	0.160%
60	13.851	1070	1073	1074	rVV	40737	70827	5.38%	0.394%
61	13.874	1074	1075	1077	rVV	24980	27472	2.09%	0.153%
62	13.931	1078	1080	1082	rVV3	15678	22438	1.71%	0.125%
63	13.988	1082	1085	1089	rVB3	148651	201027	15.28%	1.119%
64	14.148	1097	1099	1104	rVB4	28175	79751	6.06%	0.444%
65	14.297	1111	1112	1114	rBV2	20339	31224	2.37%	0.174%
66	14.331	1114	1115	1117	rVB	39121	37918	2.88%	0.211%
67	14.377	1117	1119	1120	rBV2	17027	20740	1.58%	0.115%
68	14.445	1123	1125	1129	rBV	246152	406792	30.92%	2.264%
69	14.525	1130	1132	1134	rVV	37522	37285	2.83%	0.208%
70	14.560	1134	1135	1136	rVB	24502	17446	1.33%	0.097%
71	14.674	1143	1145	1148	rBV	129341	144265	10.97%	0.803%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081509.D
Acq On : 6 Sep 2015 14:47
Operator : UM/IZ
Sample : G3472-04
Misc :
ALS Vial : 84 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB004

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-BF090115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.720	1148	1149	1152	rVV	176329	173033	13.15%	0.963%
73	14.765	1152	1153	1158	rVB2	160375	265351	20.17%	1.477%
74	15.154	1185	1187	1193	rBV2	30062	82211	6.25%	0.458%
75	15.234	1193	1194	1197	rVB3	31468	39123	2.97%	0.218%
76	15.531	1217	1220	1222	rBV3	16997	36579	2.78%	0.204%
77	15.725	1233	1237	1242	rVV7	16993	53860	4.09%	0.300%
78	15.840	1244	1247	1251	rVB2	66963	117828	8.96%	0.656%
79	15.965	1256	1258	1260	rVV	11697	17544	1.33%	0.098%
80	16.011	1260	1262	1264	rVB	14008	20321	1.54%	0.113%
81	16.160	1272	1275	1282	rVB	51845	102627	7.80%	0.571%
82	16.274	1282	1285	1289	rBV5	17555	59933	4.56%	0.334%
83	16.765	1324	1328	1331	rVB2	18906	42684	3.24%	0.238%
84	16.983	1345	1347	1350	rVB3	8688	17526	1.33%	0.098%
85	17.771	1414	1416	1418	rVB3	10229	16649	1.27%	0.093%

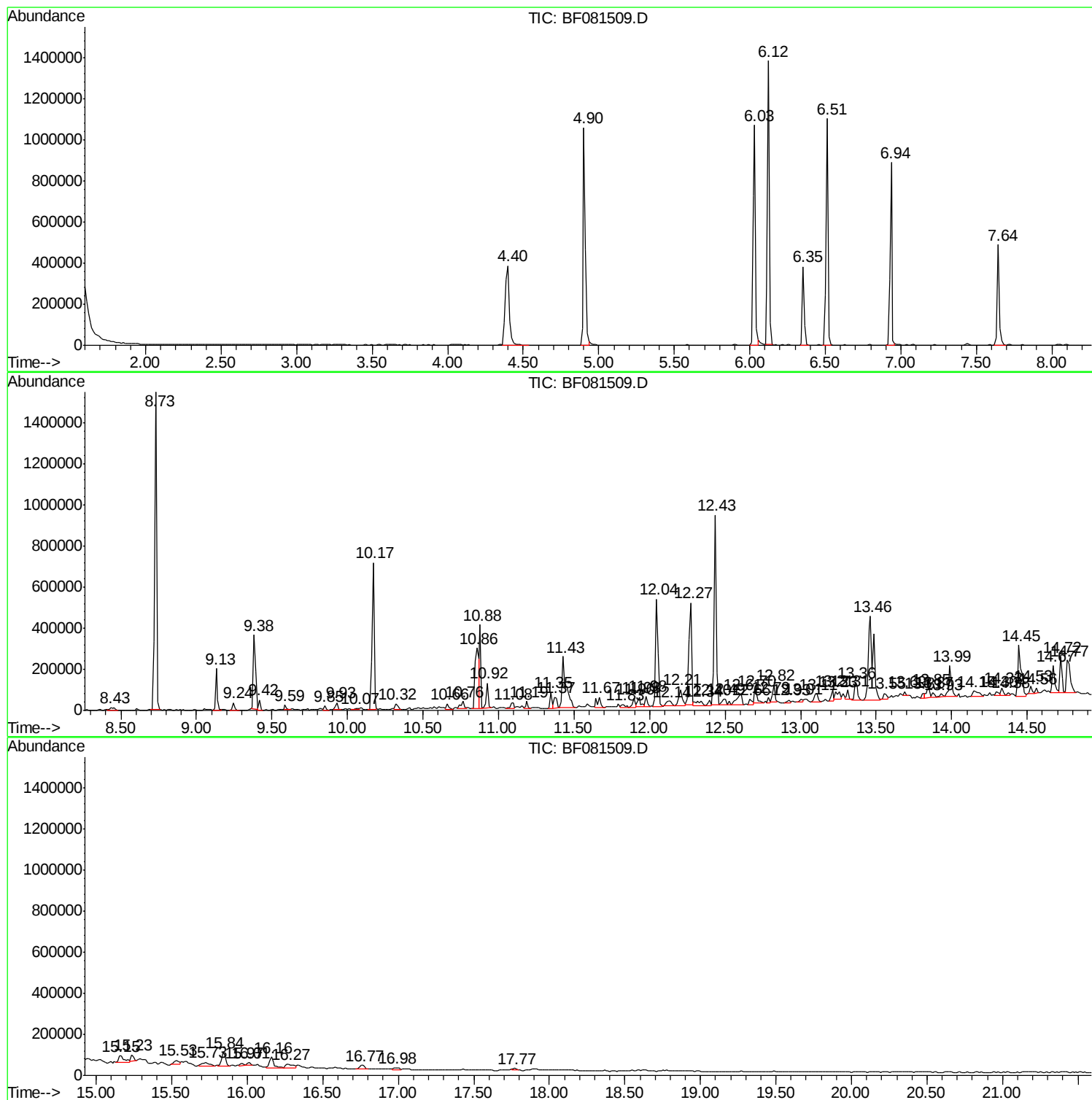
Sum of corrected areas: 17968292

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081509.D
Acq On : 6 Sep 2015 14:47
Operator : UM/IZ
Sample : G3472-04
Misc :
ALS Vial : 84 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB004

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.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\BF090515\
Data File : BF081509.D
Acq On : 6 Sep 2015 14:47
Operator : UM/IZ
Sample : G3472-04
Misc :
ALS Vial : 84 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB004

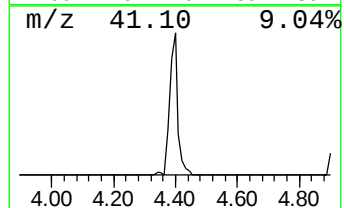
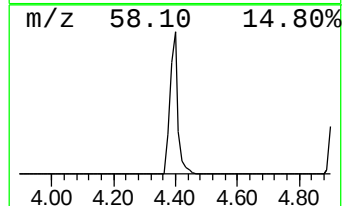
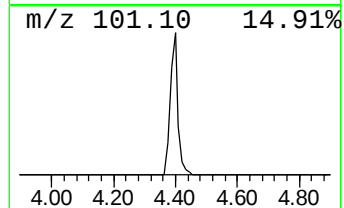
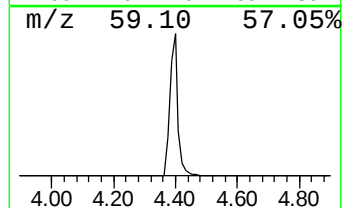
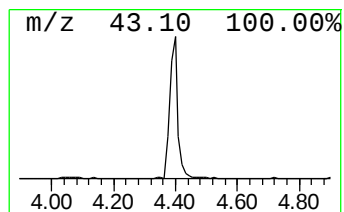
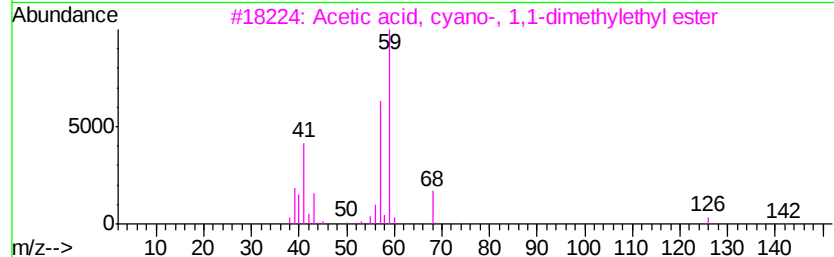
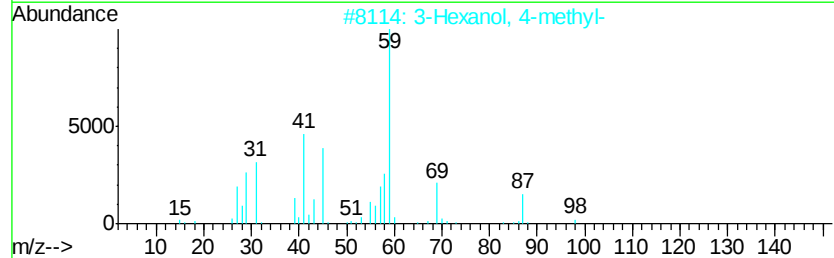
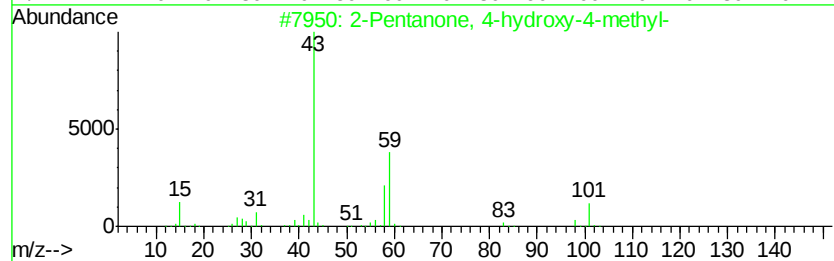
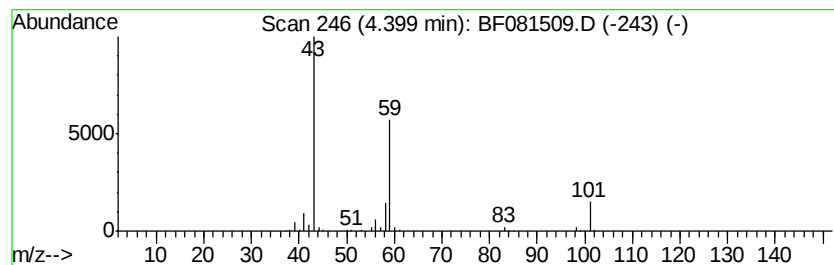
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.40	40.81 ng	681996	1,4-Dichlorobenzene-d4	6.35

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
4			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	9
5			Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081509.D
Acq On : 6 Sep 2015 14:47
Operator : UM/IZ
Sample : G3472-04
Misc :
ALS Vial : 84 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB004

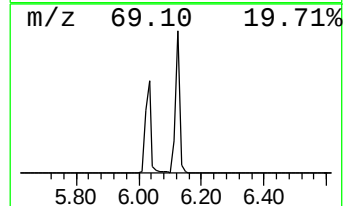
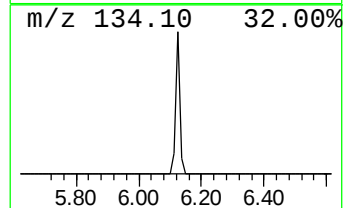
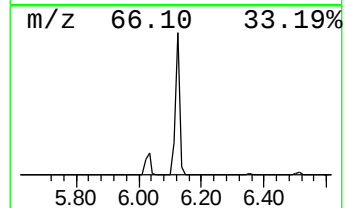
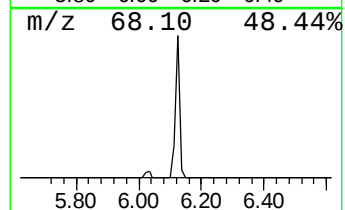
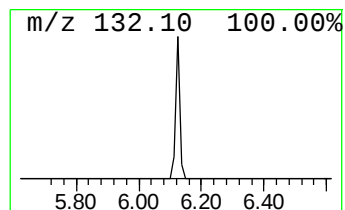
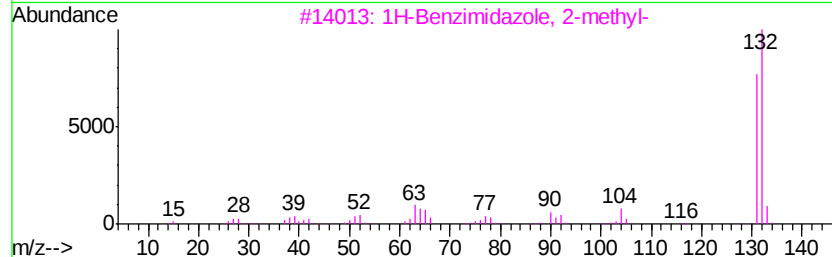
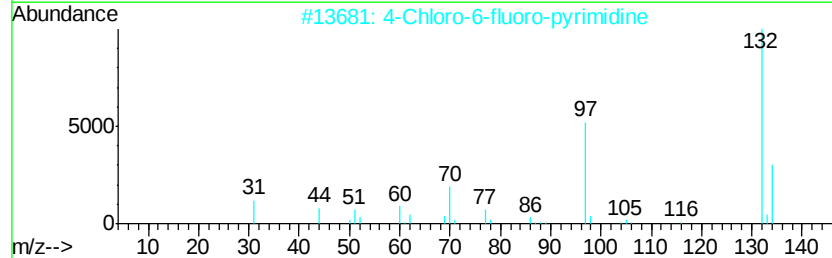
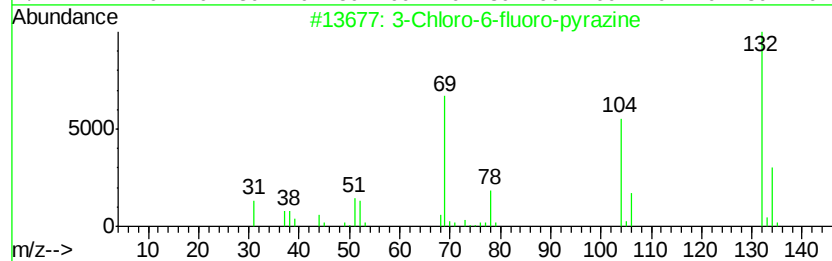
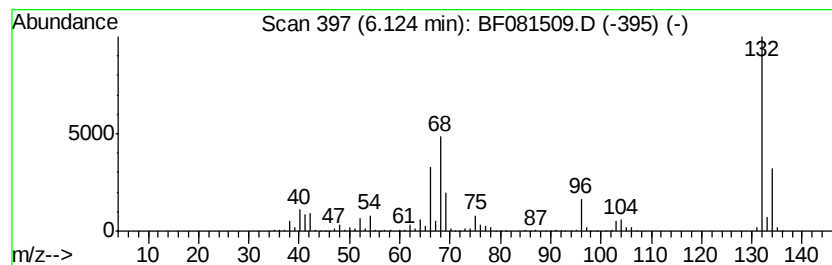
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.12 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.12	72.44 ng	1210520	1,4-Dichlorobenzene-d4	6.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
3		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
5		(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081509.D
Acq On : 6 Sep 2015 14:47
Operator : UM/IZ
Sample : G3472-04
Misc :
ALS Vial : 84 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB004

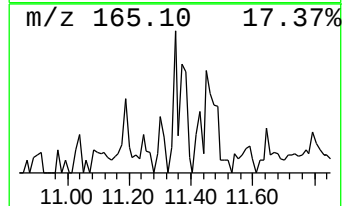
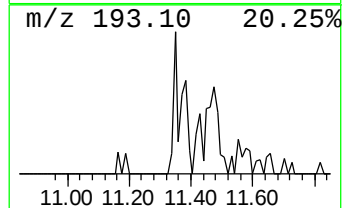
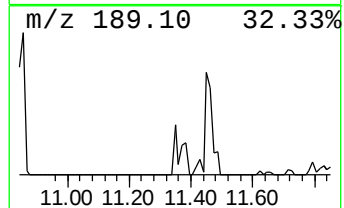
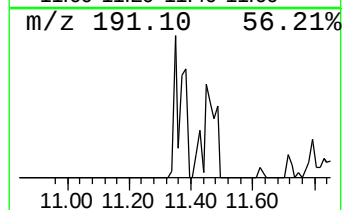
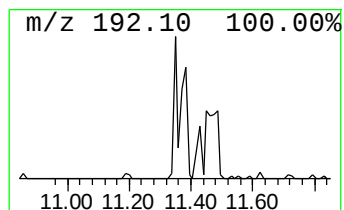
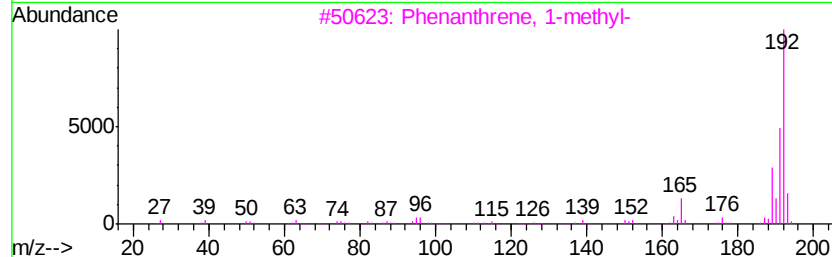
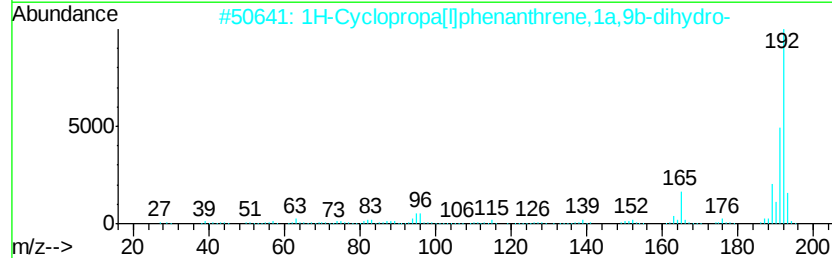
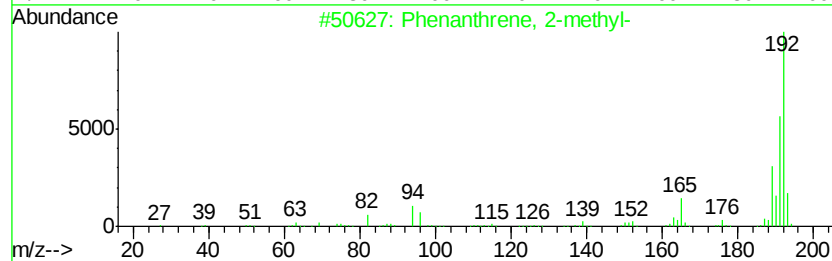
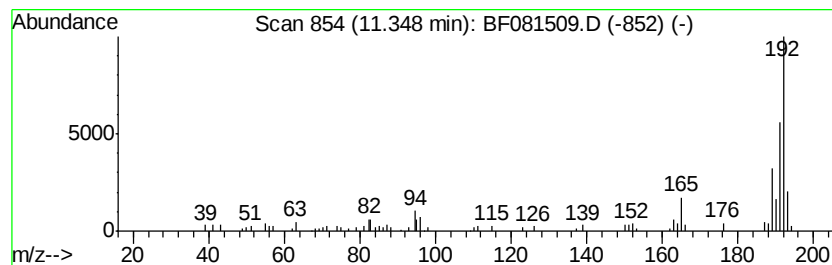
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.35	2.66 ng	70646	Phenanthrene-d10	10.86

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	97
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4			Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5			Anthracene, 2-methyl-	192	C15H12	000613-12-7	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081509.D
Acq On : 6 Sep 2015 14:47
Operator : UM/IZ
Sample : G3472-04
Misc :
ALS Vial : 84 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB004

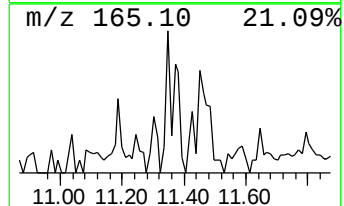
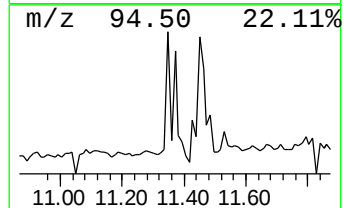
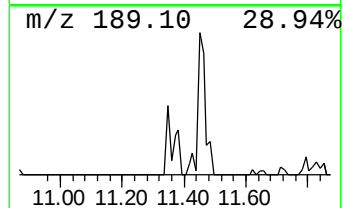
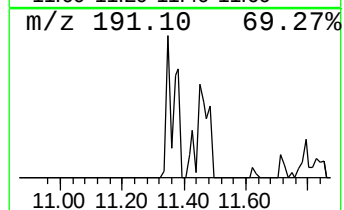
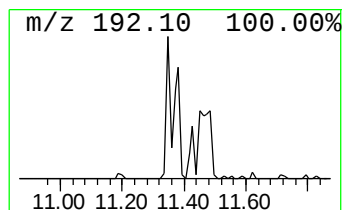
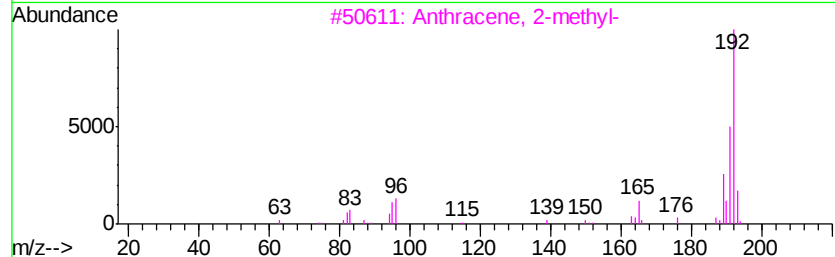
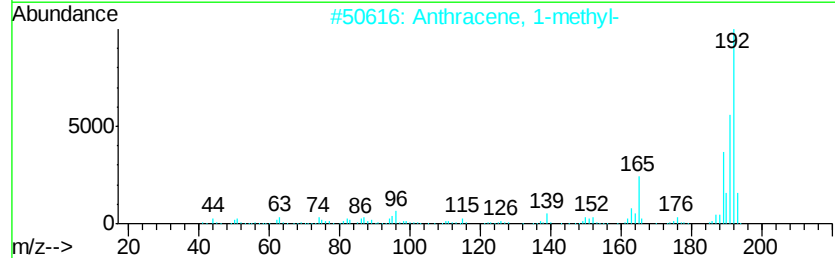
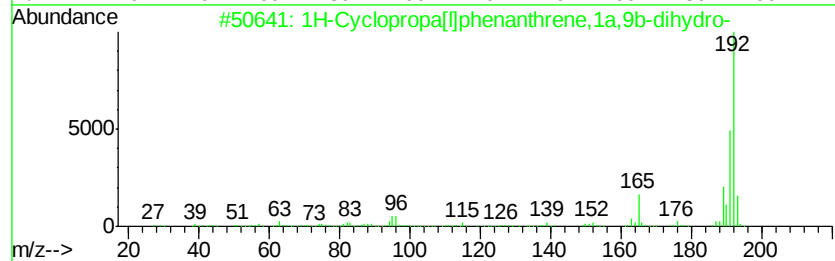
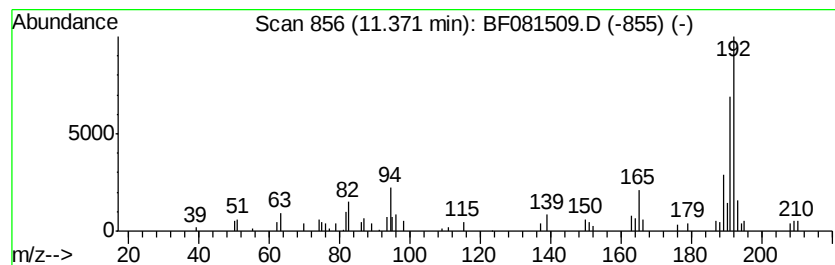
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 1H-Cyclopropa[l]phenanthren... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.37	2.83 ng	75114	Phenanthrene-d10	10.86

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	93
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	92
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	89
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86
5		Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	83



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081509.D
Acq On : 6 Sep 2015 14:47
Operator : UM/IZ
Sample : G3472-04
Misc :
ALS Vial : 84 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB004

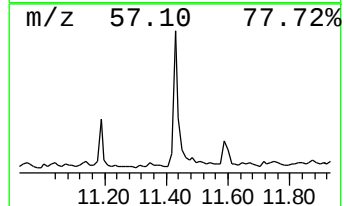
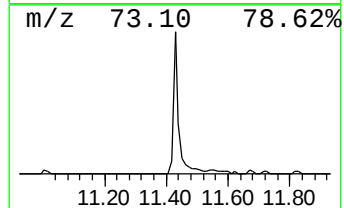
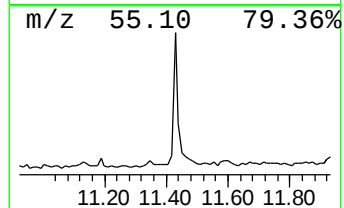
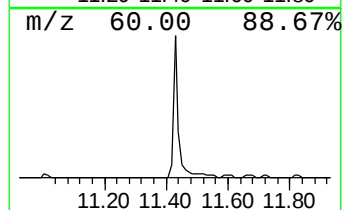
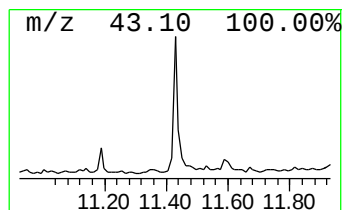
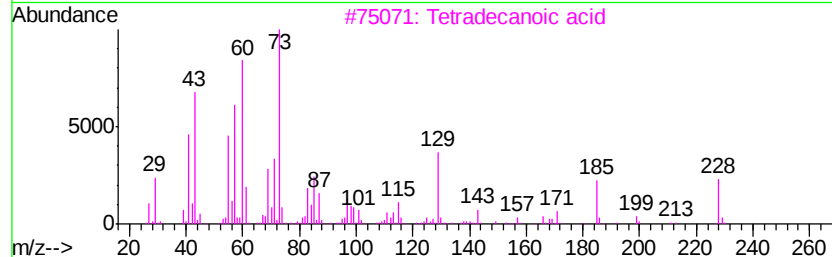
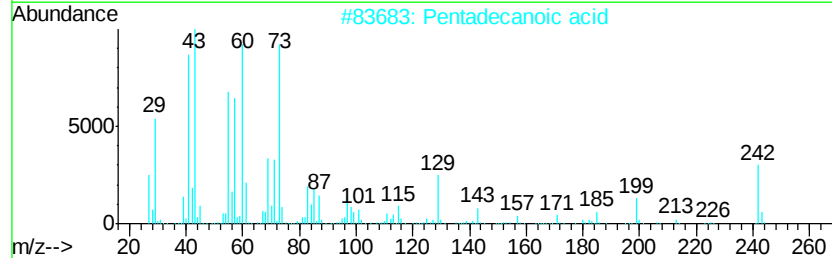
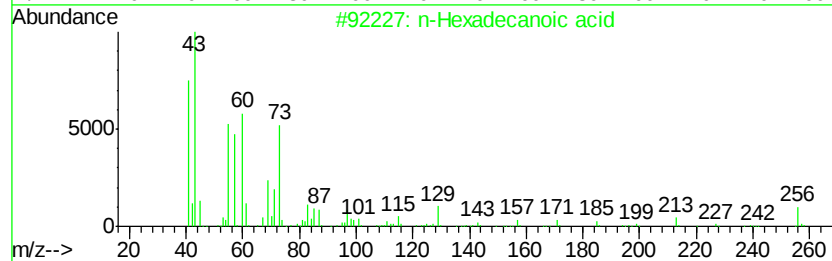
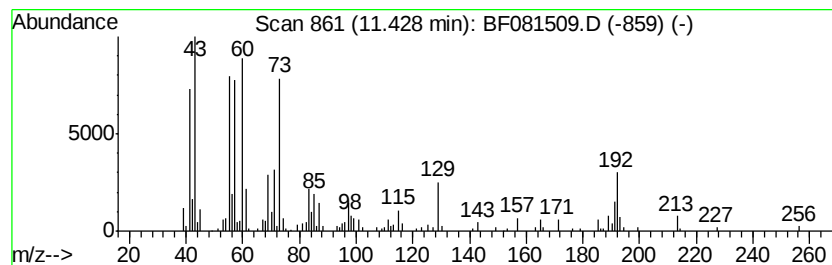
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	16.57 ng	440046	Phenanthrene-d10	10.86

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2		Pentadecanoic acid	242	C15H30O2	001002-84-2	83
3		Tetradecanoic acid	228	C14H28O2	000544-63-8	80
4		Undecanoic acid	186	C11H22O2	000112-37-8	80
5		Tridecanoic acid	214	C13H26O2	000638-53-9	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081509.D
Acq On : 6 Sep 2015 14:47
Operator : UM/IZ
Sample : G3472-04
Misc :
ALS Vial : 84 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB004

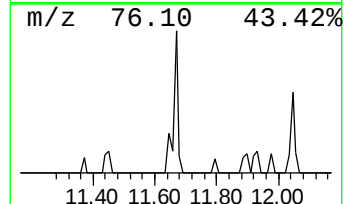
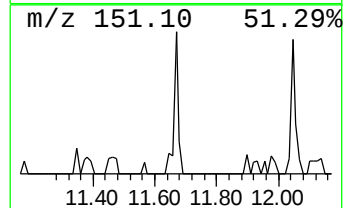
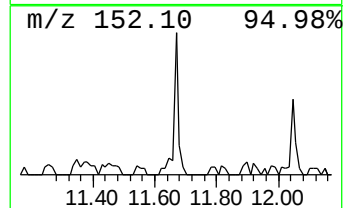
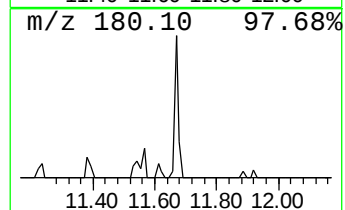
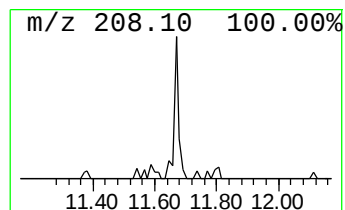
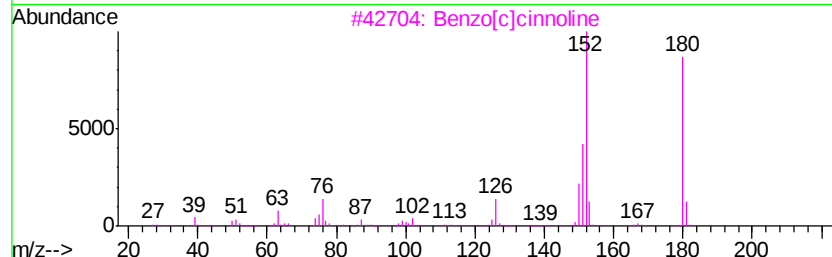
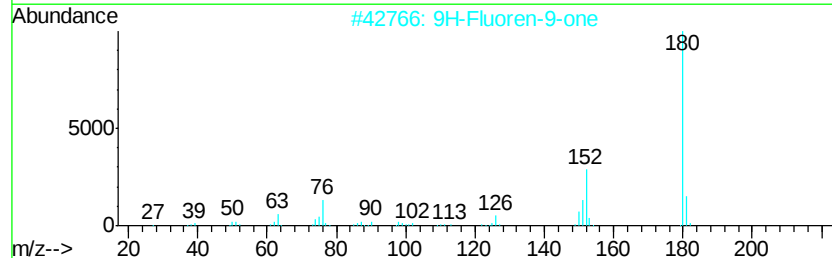
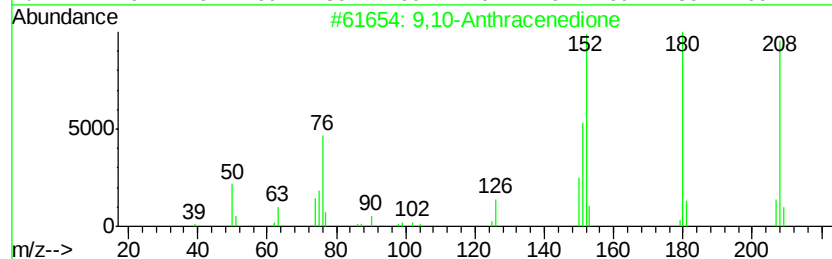
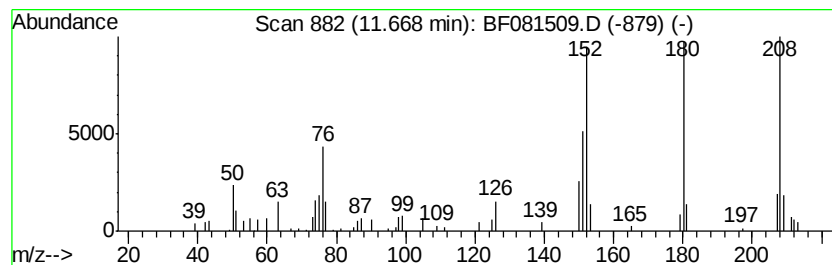
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	3.28 ng	87007	Phenanthrene-d10	10.86

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2			9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
3			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	92
4			1H-Phenalen-1-one	180	C13H8O	000548-39-0	83
5			Benzo[h]cinnoline	180	C12H8N2	000230-31-9	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081509.D
Acq On : 6 Sep 2015 14:47
Operator : UM/IZ
Sample : G3472-04
Misc :
ALS Vial : 84 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB004

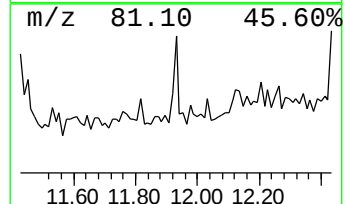
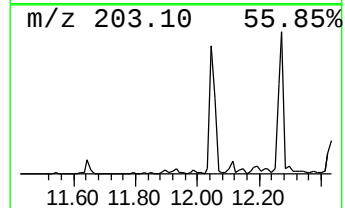
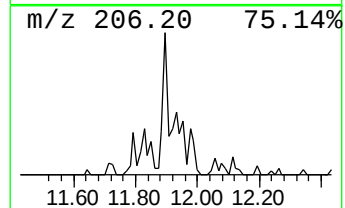
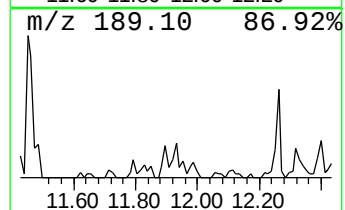
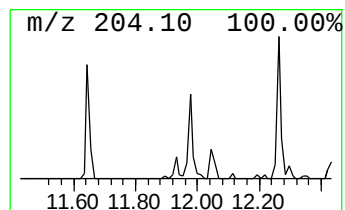
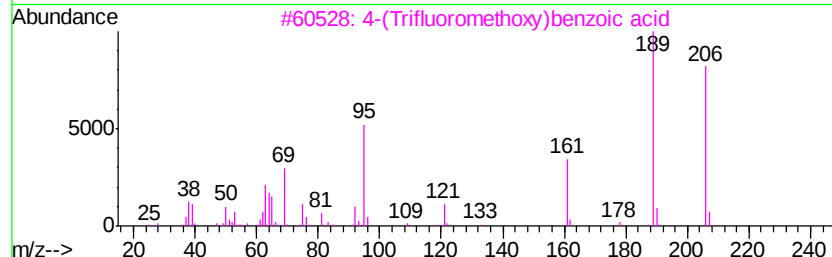
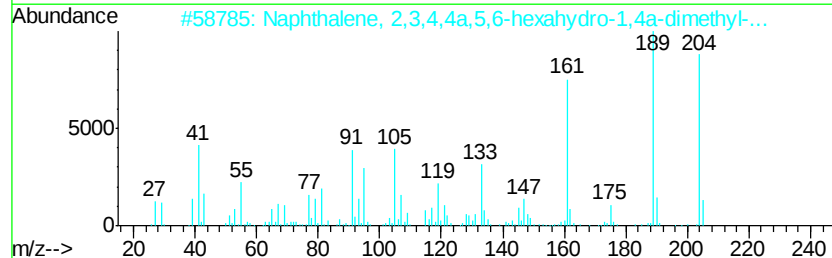
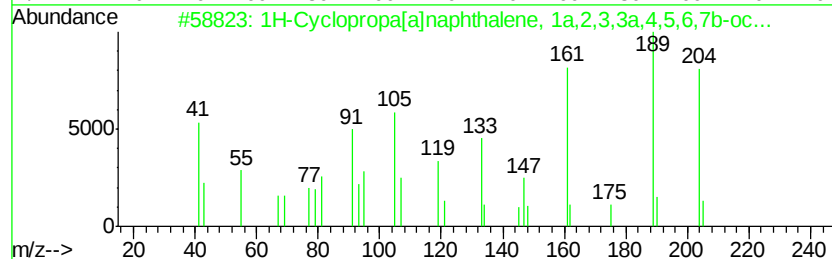
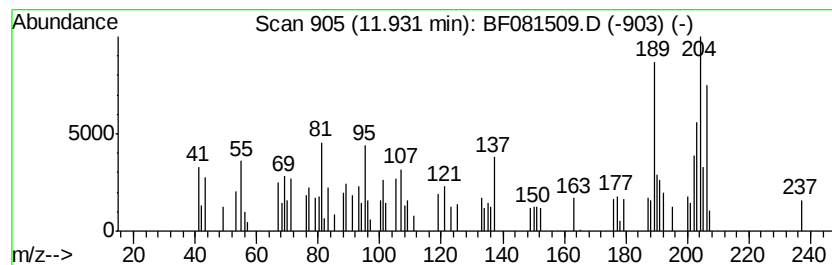
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 unknown11.93 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	2.63 ng	69855	Phenanthrene-d10	10.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Cyclopropa[a]naphthalene, 1a,...	204	C15H24	1000147-32-8	38
2		Naphthalene, 2,3,4,4a,5,6-hexahy...	204	C15H24	000473-14-3	38
3		4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	35
4		1,3a-Ethano-3aH-indene, 1,2,3,6,...	204	C15H24	004545-68-0	35
5		[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081509.D
Acq On : 6 Sep 2015 14:47
Operator : UM/IZ
Sample : G3472-04
Misc :
ALS Vial : 84 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB004

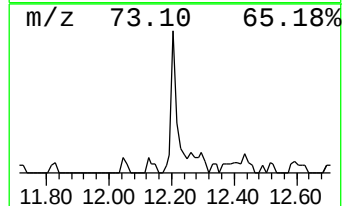
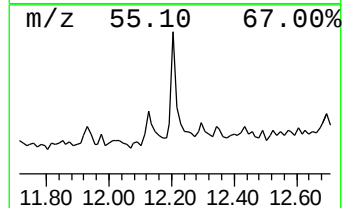
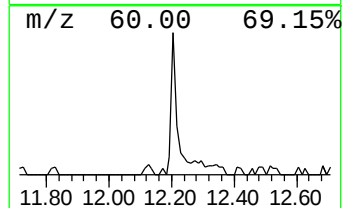
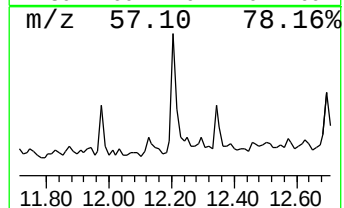
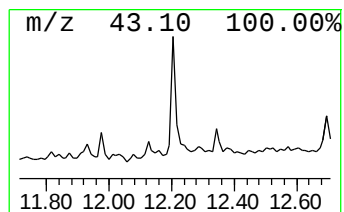
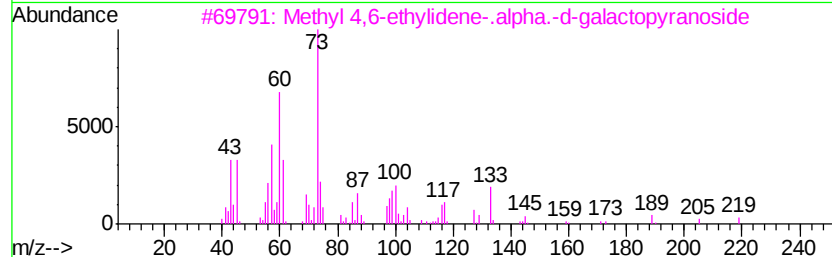
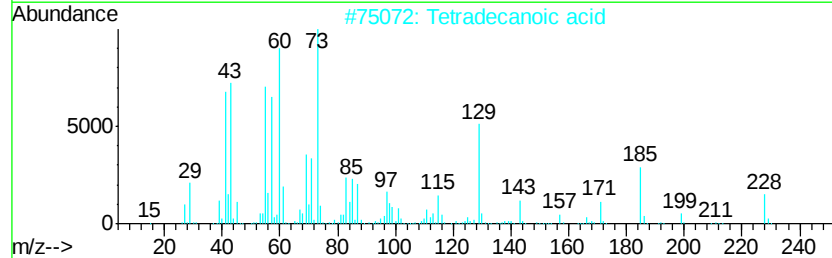
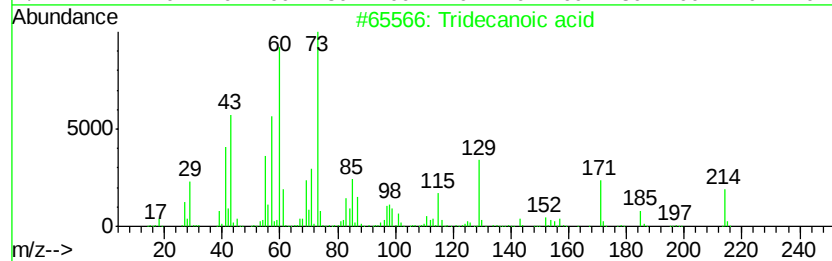
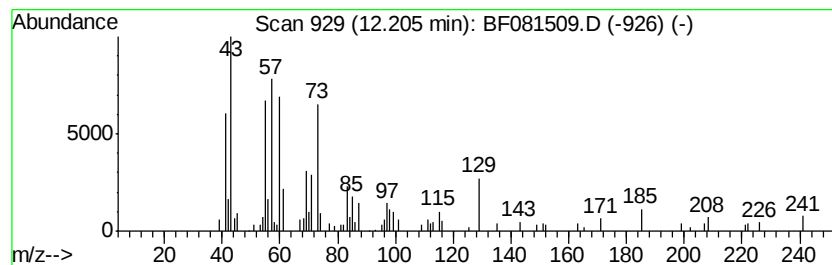
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Tridecanoic acid Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.21	2.72 ng	130220	Chrysene-d12	13.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecanoic acid	214	C13H26O2	000638-53-9	72
2		Tetradecanoic acid	228	C14H28O2	000544-63-8	64
3		Methyl 4,6-ethylidene-.alpha.-d-...	220	C9H16O6	1000102-53-5	50
4		.alpha.-D-Glucopyranoside, .alph...	342	C12H22O11	000099-20-7	50
5		Undecanoic acid	186	C11H22O2	000112-37-8	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081509.D
Acq On : 6 Sep 2015 14:47
Operator : UM/IZ
Sample : G3472-04
Misc :
ALS Vial : 84 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB004

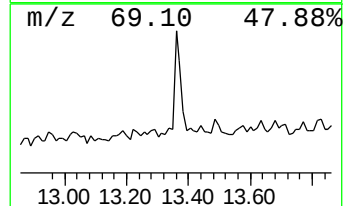
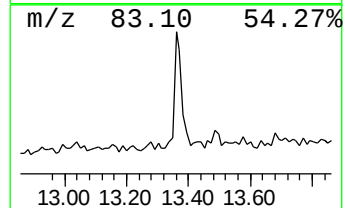
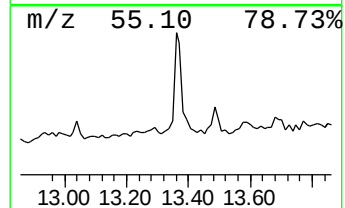
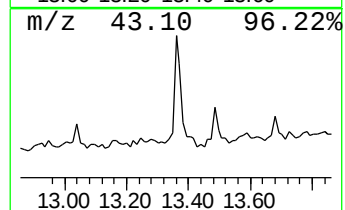
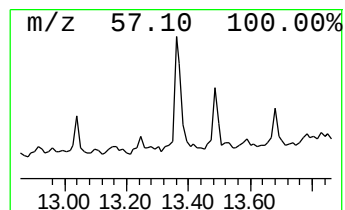
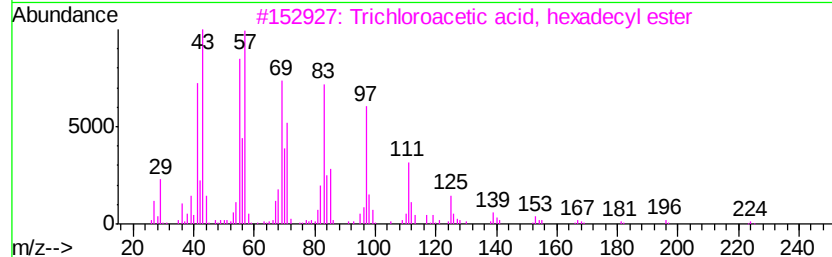
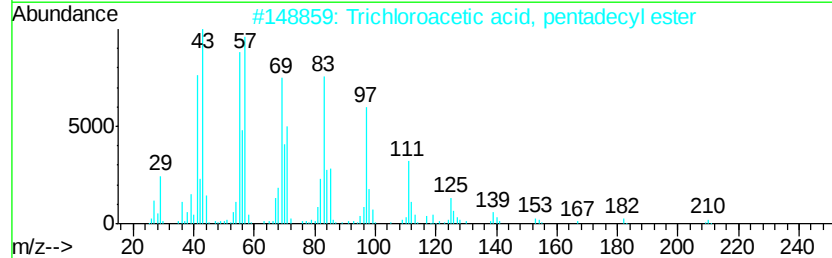
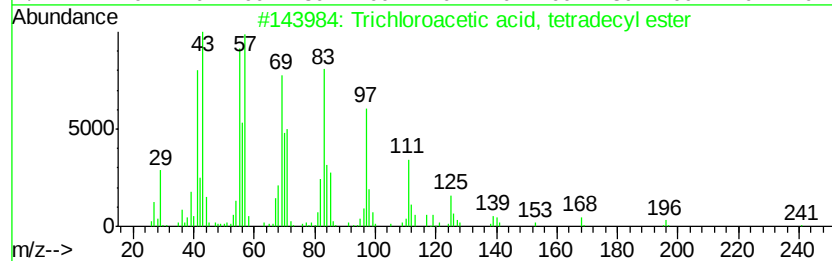
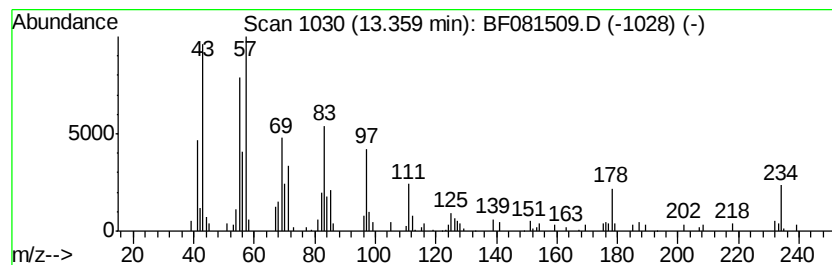
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Trichloroacetic acid, tetra... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.36	2.66 ng	127291	Chrysene-d12	13.46

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Trichloroacetic acid, tetradecyl...	358	C16H29Cl3O2	074339-52-9	68
2			Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	64
3			Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	64
4			Cyclohexadecane	224	C16H32	000295-65-8	58
5			Pentafluoropropionic acid, hexad...	388	C19H33F5O2	006222-07-7	55



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081509.D
Acq On : 6 Sep 2015 14:47
Operator : UM/IZ
Sample : G3472-04
Misc :
ALS Vial : 84 Sample Multiplier: 1

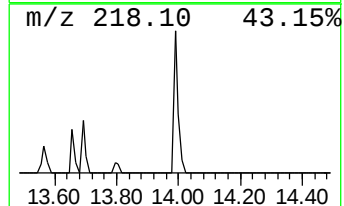
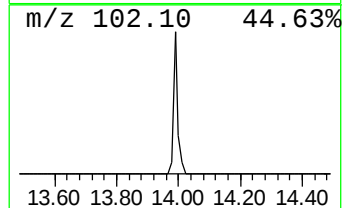
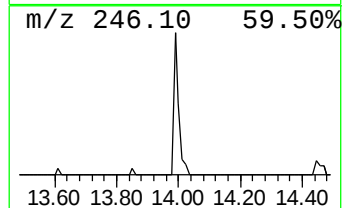
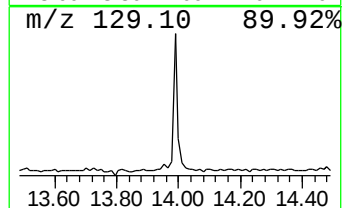
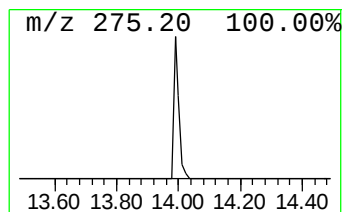
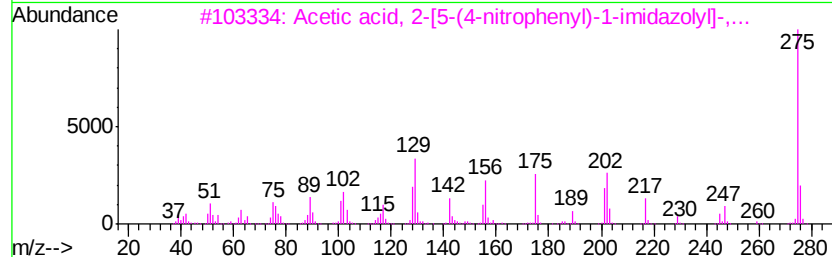
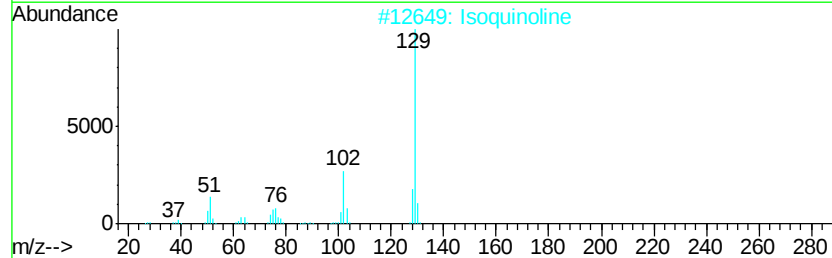
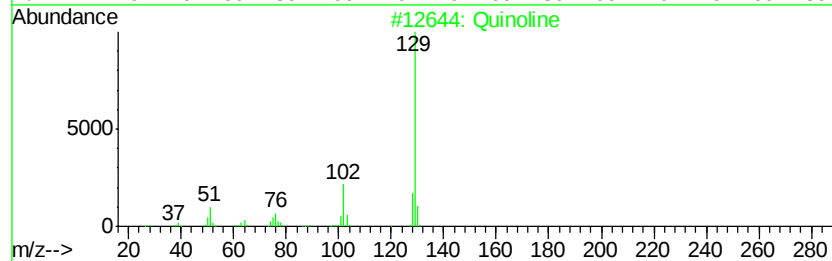
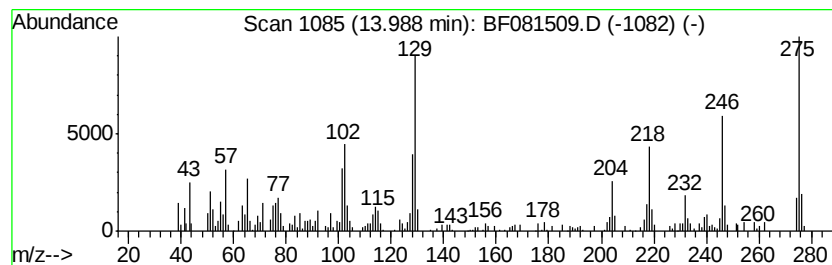
Instrument :
BNA_F
ClientSampleId :
SB004

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 unknown13.99 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.99	4.21 ng	201027	Chrysene-d12	13.46	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline	129	C9H7N	000091-22-5	38
2	Isoquinoline	129	C9H7N	000119-65-3	38
3	Acetic acid, 2-[5-(4-nitrophenyl)-2-propen-1-yl]phenyl-	275	C13H13N3O4	351064-45-4	30
4	2-Propen-1-one, 3-phenyl-1-(5-phenyl)-1H-pyrazol-4-yl-	275	C17H13N3O	051719-82-5	25
5	Benzonitrile, 4-ethenyl-	129	C9H7N	003435-51-6	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081509.D
Acq On : 6 Sep 2015 14:47
Operator : UM/IZ
Sample : G3472-04
Misc :
ALS Vial : 84 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB004

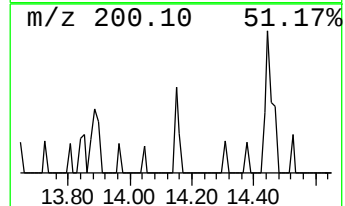
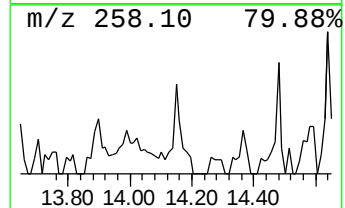
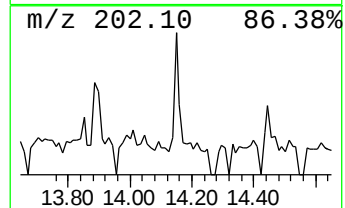
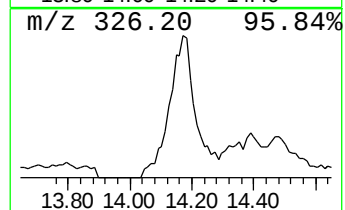
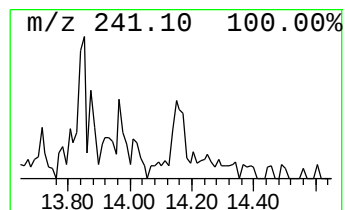
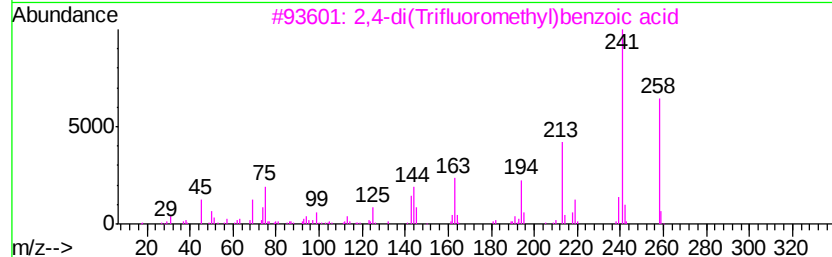
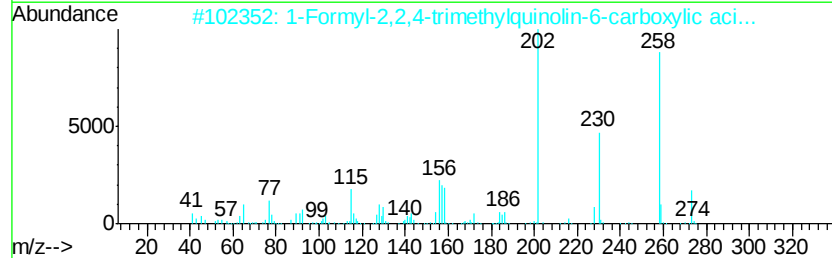
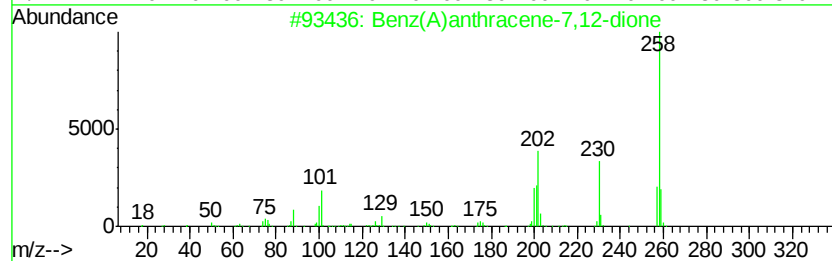
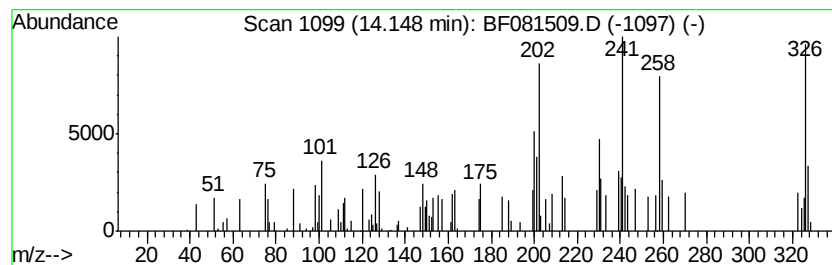
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown14.15 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.15	6.01 ng	79751	Perylene-d12	14.78

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	32
2			1-Formyl-2,2,4-trimethylquinolin...	273	C16H19NO3	1000211-50-6	16
3			2,4-di(Trifluoromethyl)benzoic acid	258	C9H4F6O2	032890-87-2	14
4			Benzene, 1,4-bis(3-formylcyclohe...	326	C20H22O4	1000160-81-4	10
5			1,4-Chrysenequinone	258	C18H10O2	100900-16-1	10



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081509.D
Acq On : 6 Sep 2015 14:47
Operator : UM/IZ
Sample : G3472-04
Misc :
ALS Vial : 84 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB004

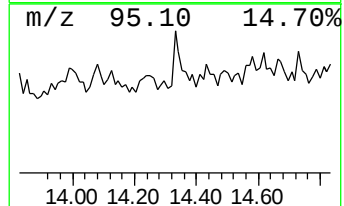
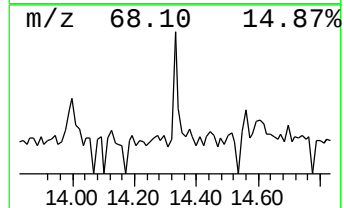
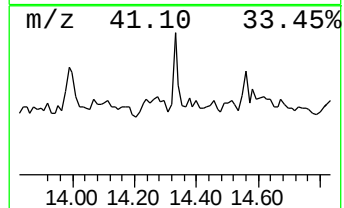
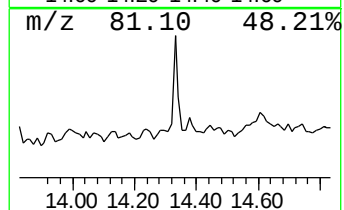
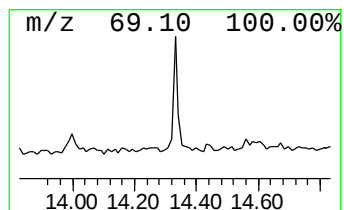
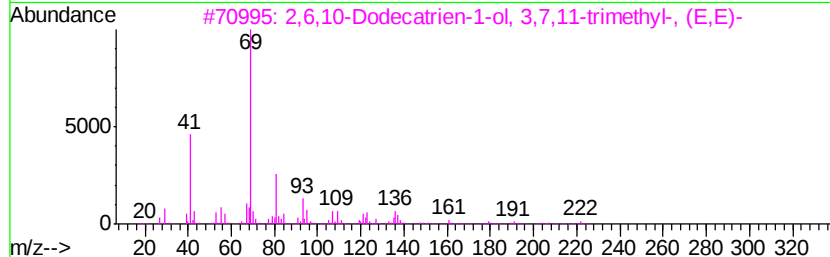
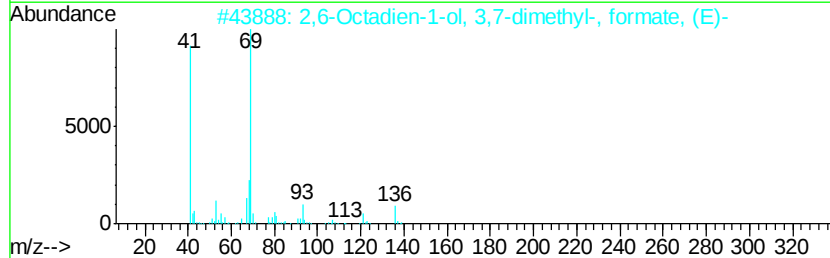
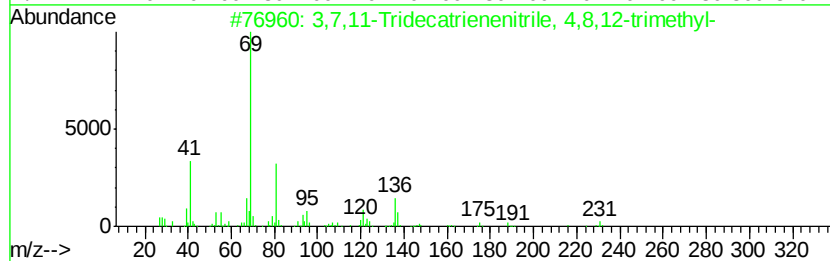
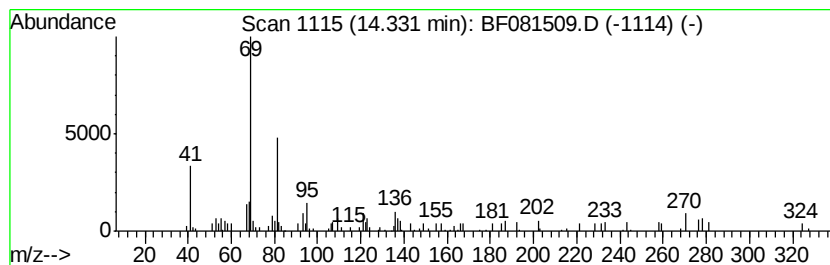
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 3,7,11-Tridecatrienitrile... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	2.86 ng	37918	Perylene-d12	14.78

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3,7,11-Tridecatrienitrile, 4,8...	231	C16H25N	006006-01-5	53
2			2,6-Octadien-1-ol, 3,7-dimethyl-...	182	C11H18O2	000105-86-2	50
3			2,6,10-Dodecatrien-1-ol, 3,7,11-...	222	C15H26O	000106-28-5	50
4			Squalene	410	C30H50	007683-64-9	50
5			2,6,10-Dodecatrien-1-ol, 3,7,11-...	222	C15H26O	004602-84-0	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081509.D
Acq On : 6 Sep 2015 14:47
Operator : UM/IZ
Sample : G3472-04
Misc :
ALS Vial : 84 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB004

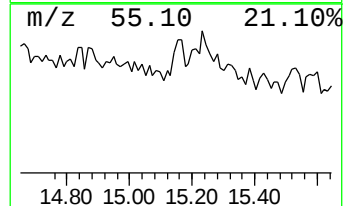
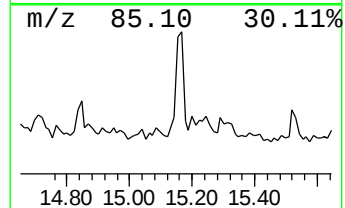
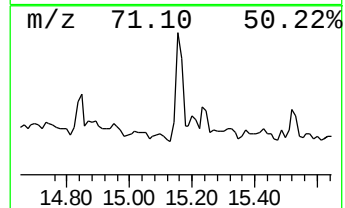
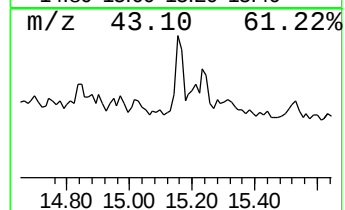
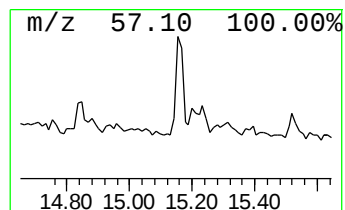
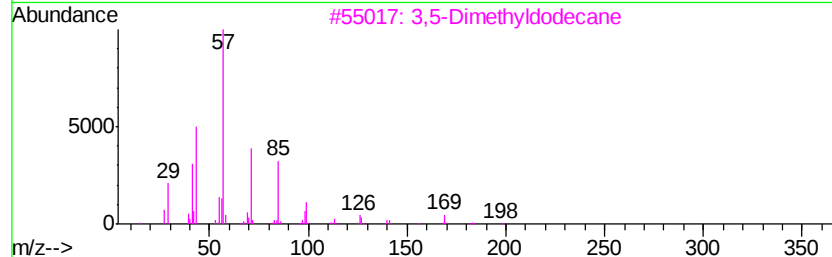
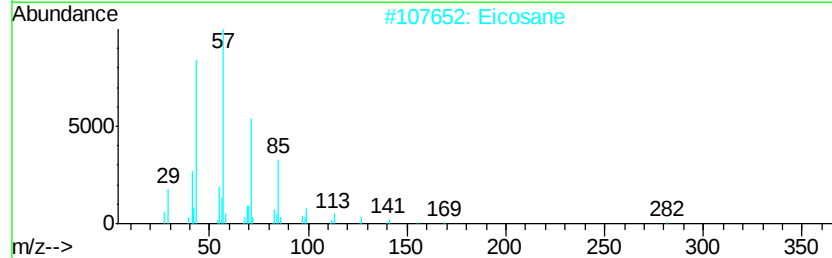
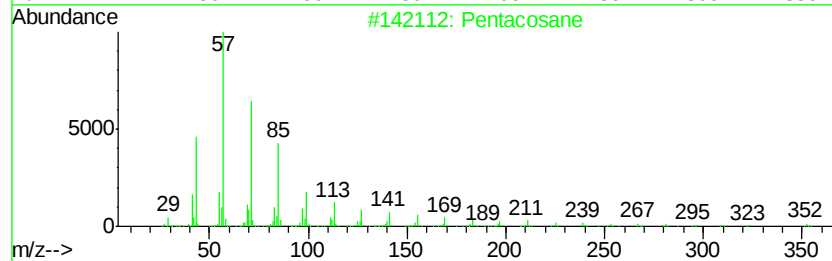
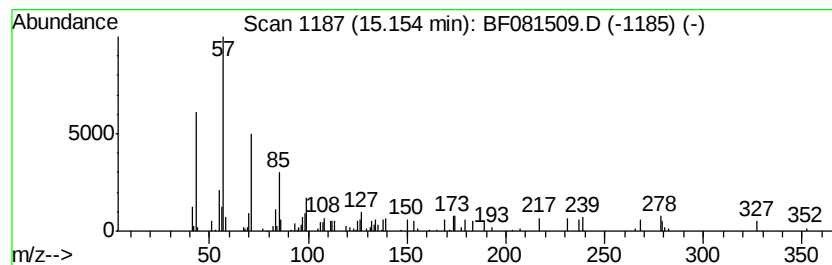
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Pentacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.15	6.20 ng	82211	Perylene-d12	14.78

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacosane		352	C25H52	000629-99-2	70
2	Eicosane		282	C20H42	000112-95-8	53
3	3,5-Dimethyldodecane		198	C14H30	107770-99-0	53
4	Undecane, 5,5-dimethyl-		184	C13H28	017312-73-1	53
5	Hexacosane		366	C26H54	000630-01-3	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081509.D
Acq On : 6 Sep 2015 14:47
Operator : UM/IZ
Sample : G3472-04
Misc :
ALS Vial : 84 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB004

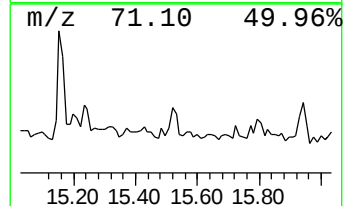
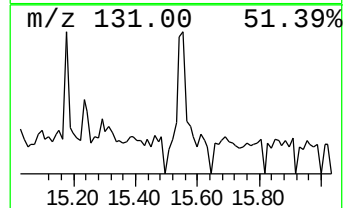
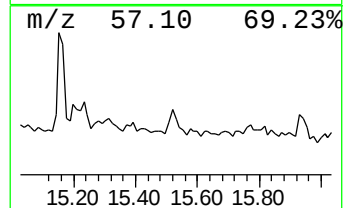
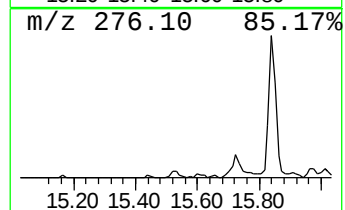
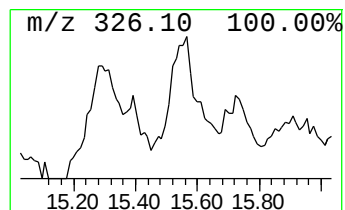
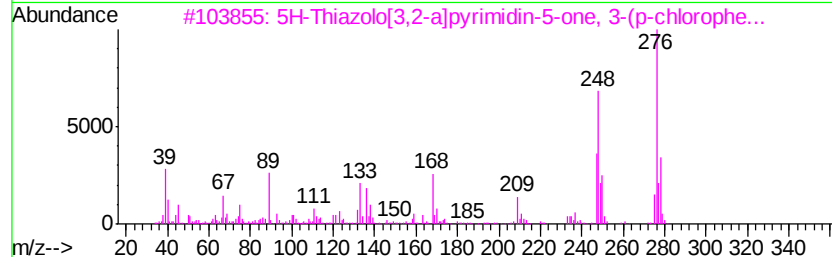
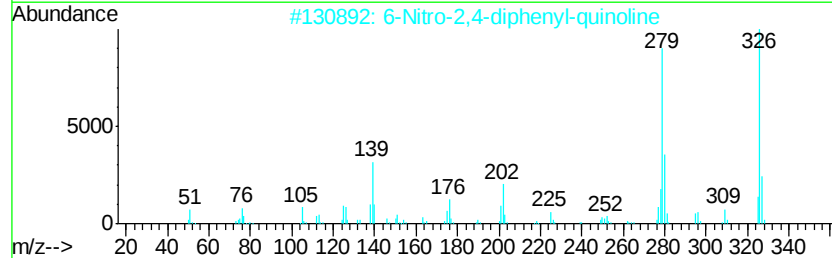
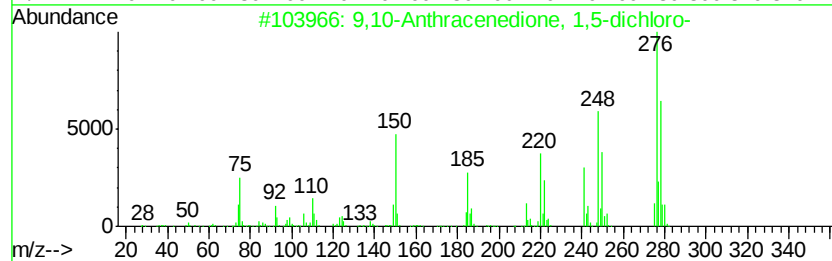
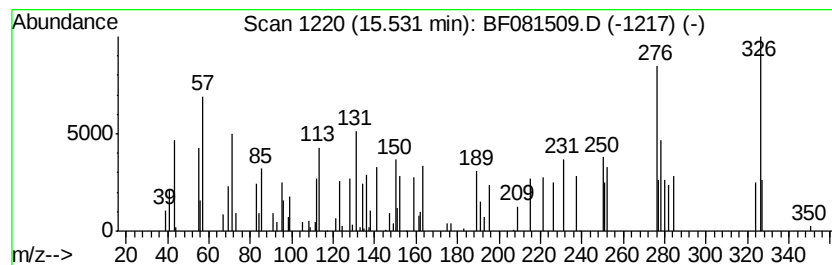
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown15.53 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	2.76 ng	36579	Perylene-d12	14.78

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione, 1,5-dichloro-	276	C14H6Cl2O2	000082-46-2	35		
2	6-Nitro-2,4-diphenyl-quinoline	326	C21H14N2O2	138432-74-3	22		
3	5H-Thiazolo[3,2-a]pyrimidin-5-on...	276	C13H9ClN2OS	023429-91-6	22		
4	9,10-Anthracenedione, 1,8-dichloro-	276	C14H6Cl2O2	000082-43-9	16		
5	Benzenamine, N-(9-anthracenylmet...	326	C21H14N2O2	014607-12-6	16		



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081509.D
Acq On : 6 Sep 2015 14:47
Operator : UM/IZ
Sample : G3472-04
Misc :
ALS Vial : 84 Sample Multiplier: 1

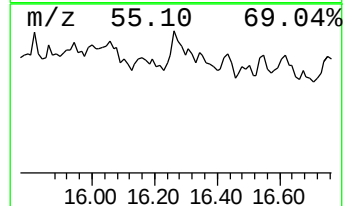
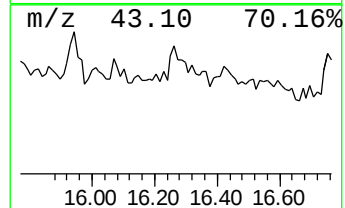
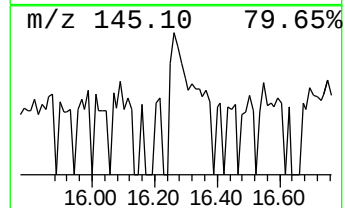
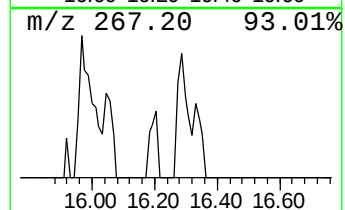
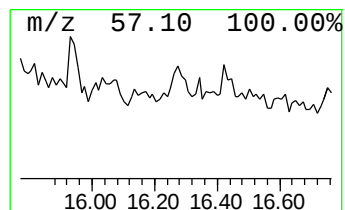
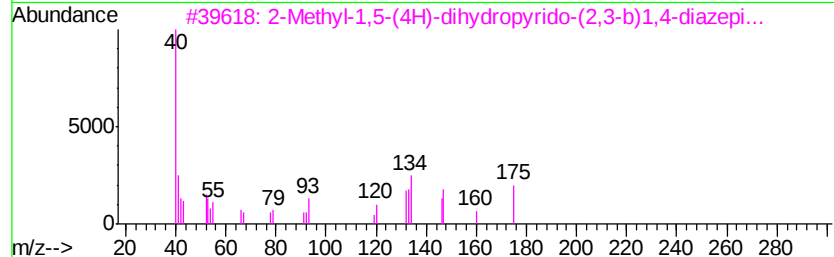
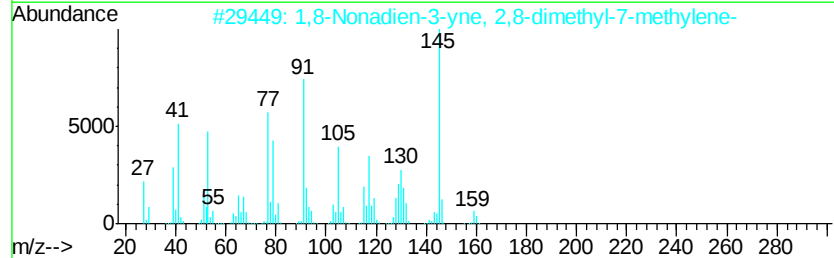
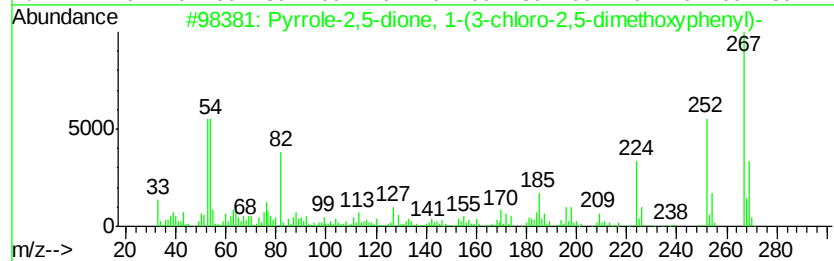
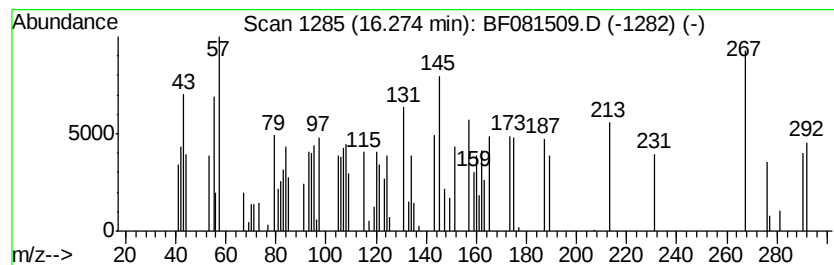
Instrument :
BNA_F
ClientSampleId :
SB004

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 unknown16.27 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
16.27	4.52 ng	59933	Perylene-d12	14.78	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrrole-2,5-dione, 1-(3-chloro-2...	267	C12H10ClN04	1000273-93-8	16
2	1,8-Nonadien-3-yne, 2,8-dimethyl...	160	C12H16	076003-41-3	12
3	2-Methyl-1,5-(4H)-dihydropyrido...	175	C9H9N3O	017260-05-8	10
4	2H-1,2,3-Triazol-4-amine, 2-meth...	143	C3H5N5O2	1000258-90-5	10
5	Aniline, N-acetyl-3,5-difluoro-4...	187	C8H7F2N02	151414-41-4	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081509.D
Acq On : 6 Sep 2015 14:47
Operator : UM/IZ
Sample : G3472-04
Misc :
ALS Vial : 84 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB004

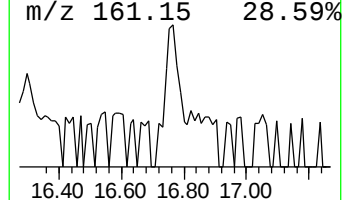
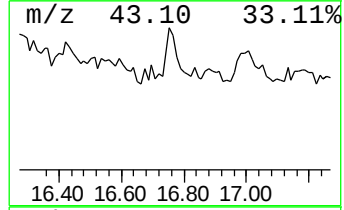
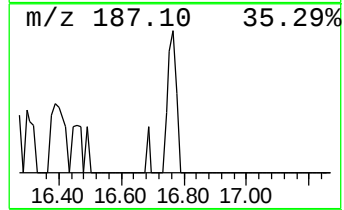
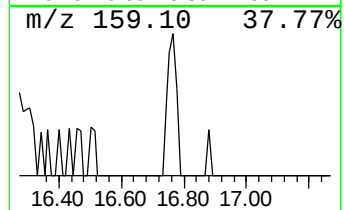
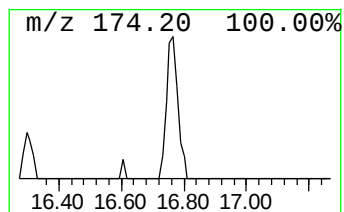
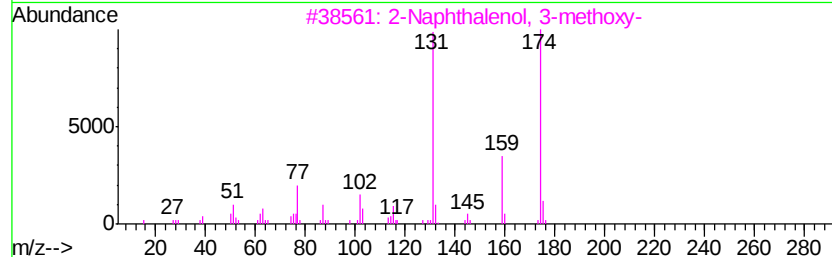
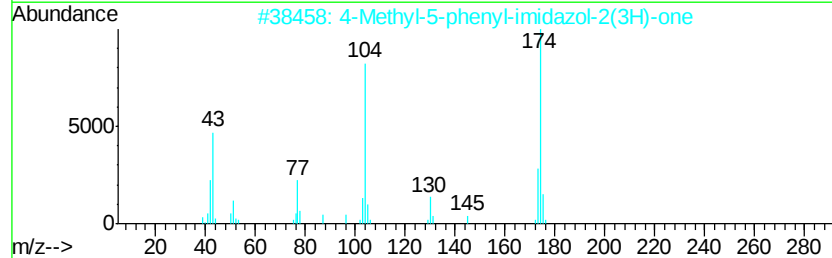
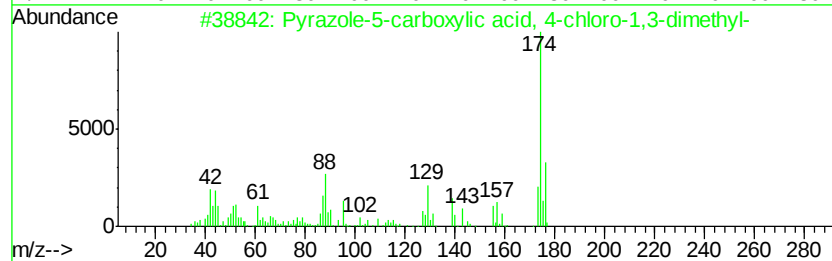
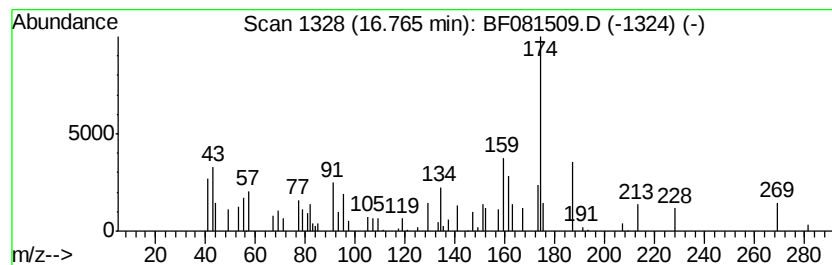
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 unknown16.77 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	3.22 ng	42684	Perylene-d12	14.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrazole-5-carboxylic acid, 4-ch...	174	C6H7ClN2O2	098198-65-3	38
2		4-Methyl-5-phenyl-imidazol-2(3H)...	174	C10H10N2O	1000147-06-1	27
3		2-Naphthalenol, 3-methoxy-	174	C11H10O2	018515-11-2	27
4		1- Phthalimido-4-pentanone	231	C13H13N03	003197-25-9	25
5		8-Quinolinol, 2-(aminomethyl)-	174	C10H10N2O	017018-81-4	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
 Data File : BF081509.D
 Acq On : 6 Sep 2015 14:47
 Operator : UM/IZ
 Sample : G3472-04
 Misc :
 ALS Vial : 84 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB004

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.40	40.8	ng	681996	1	6.35	334228	20.0
unknown6.12	6.12	72.4	ng	1210520	1	6.35	334228	20.0
Phenanthrene, 2-m...	11.35	2.7	ng	70646	4	10.86	531247	20.0
1H-Cyclopropa[l]p...	11.37	2.8	ng	75114	4	10.86	531247	20.0
n-Hexadecanoic acid	11.43	16.6	ng	440046	4	10.86	531247	20.0
9,10-Anthracenedione	11.67	3.3	ng	87007	4	10.86	531247	20.0
unknown11.93	11.93	2.6	ng	69855	4	10.86	531247	20.0
Tridecanoic acid	12.21	2.7	ng	130220	5	13.46	955991	20.0
Trichloroacetic a...	13.36	2.7	ng	127291	5	13.46	955991	20.0
unknown13.99	13.99	4.2	ng	201027	5	13.46	955991	20.0
unknown14.15	14.15	6.0	ng	79751	6	14.78	265351	20.0
3,7,11-Tridecatri...	14.33	2.9	ng	37918	6	14.78	265351	20.0
Pentacosane	15.15	6.2	ng	82211	6	14.78	265351	20.0
unknown15.53	15.53	2.8	ng	36579	6	14.78	265351	20.0
unknown16.27	16.27	4.5	ng	59933	6	14.78	265351	20.0
unknown16.77	16.77	3.2	ng	42684	6	14.78	265351	20.0