

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
 Data File : BF083612.D
 Acq On : 8 Dec 2015 23:51
 Operator : UM/IZ
 Sample : G4637-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PCPY1

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-BF120815.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	3.550	161	163	183	rBV	527250	1195433	20.40%	1.276%
2	3.995	200	202	227	rBV	2294073	4719274	80.52%	5.037%
3	5.127	299	301	311	rBV	111681	414336	7.07%	0.442%
4	5.276	311	314	322	rVV	3118959	4885237	83.35%	5.214%
5	5.401	322	325	342	rVB	3497223	5195652	88.65%	5.546%
6	5.699	349	351	367	rVV	724836	1001071	17.08%	1.069%
7	5.916	367	370	383	rVB	2443742	3591844	61.28%	3.834%
8	6.533	421	424	447	rBV	1744974	3215215	54.86%	3.432%
9	7.596	515	517	531	rVB	894518	1374786	23.46%	1.467%
10	8.979	635	638	651	rBV3	59956	278588	4.75%	0.297%
11	9.345	666	670	678	rVB	2821155	4746560	80.98%	5.066%
12	10.030	727	730	740	rVB	689721	1021073	17.42%	1.090%
13	10.385	758	761	764	rBV	1081919	1687933	28.80%	1.802%
14	10.442	764	766	771	rVB	320212	545658	9.31%	0.582%
15	10.739	790	792	798	rBV2	88262	218277	3.72%	0.233%
16	11.219	831	834	837	rVV	194549	298982	5.10%	0.319%
17	11.276	837	839	844	rVV	267392	441514	7.53%	0.471%
18	11.562	862	864	868	rBV2	99464	233984	3.99%	0.250%
19	11.676	871	874	881	rVV	1929895	3027557	51.66%	3.232%
20	11.996	899	902	906	rVV	210127	372882	6.36%	0.398%
21	12.191	915	919	921	rVV	70510	148344	2.53%	0.158%
22	12.522	946	948	950	rBV	84011	122879	2.10%	0.131%
23	12.613	955	956	960	rVB	139541	211028	3.60%	0.225%
24	12.728	964	966	968	rBV	100177	119973	2.05%	0.128%
25	12.785	968	971	972	rBV	1052356	1381749	23.57%	1.475%
26	12.819	972	974	979	rVV	3035254	4456606	76.04%	4.757%
27	12.911	979	982	990	rVB	688880	1171459	19.99%	1.250%
28	13.025	990	992	1001	rVB4	63801	166709	2.84%	0.178%
29	13.219	1001	1009	1014	rBV2	212970	527290	9.00%	0.563%
30	13.482	1029	1032	1039	rVB6	33697	135617	2.31%	0.145%
31	13.619	1041	1044	1046	rVV	333827	505944	8.63%	0.540%
32	13.665	1046	1048	1051	rVV	353607	595761	10.16%	0.636%
33	13.745	1053	1055	1056	rVV	148896	265876	4.54%	0.284%
34	13.768	1056	1057	1060	rVV2	545989	962505	16.42%	1.027%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120815\
 Data File : BF083612.D
 Acq On : 8 Dec 2015 23:51
 Operator : UM/IZ
 Sample : G4637-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PCPY1

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-BF120815.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.836	1060	1063	1071	rVB2	610317	1140543	19.46%	1.217%
36	14.111	1084	1087	1091	rVV	275404	433657	7.40%	0.463%
37	14.179	1091	1093	1099	rVB3	165594	449260	7.67%	0.480%
38	14.351	1105	1108	1111	rBV3	63792	152356	2.60%	0.163%
39	14.522	1120	1123	1124	rBV	145352	209707	3.58%	0.224%
40	14.568	1124	1127	1129	rVB2	92844	203340	3.47%	0.217%
41	14.659	1133	1135	1140	rVB	224902	345351	5.89%	0.369%
42	14.751	1140	1143	1146	rBV	3676938	5508593	93.99%	5.880%
43	14.899	1152	1156	1161	rVB3	155037	401552	6.85%	0.429%
44	14.991	1161	1164	1166	rBV	110616	236378	4.03%	0.252%
45	15.059	1168	1170	1171	rVV2	113918	168204	2.87%	0.180%
46	15.105	1171	1174	1178	rVV	3755840	5861098	100.00%	6.256%
47	15.231	1181	1185	1190	rVB2	113200	280395	4.78%	0.299%
48	15.322	1190	1193	1194	rBV	127747	238871	4.08%	0.255%
49	15.345	1194	1195	1198	rVV	146397	157332	2.68%	0.168%
50	15.414	1198	1201	1205	rVB	2318170	3575160	61.00%	3.816%
51	15.505	1205	1209	1213	rBV3	150277	446848	7.62%	0.477%
52	15.642	1218	1221	1222	rBV	164108	318175	5.43%	0.340%
53	15.677	1222	1224	1228	rVB2	417100	710488	12.12%	0.758%
54	15.780	1228	1233	1236	rBV	345516	543841	9.28%	0.580%
55	15.848	1236	1239	1241	rBV3	280373	617884	10.54%	0.660%
56	15.974	1248	1250	1253	rBV2	113641	188574	3.22%	0.201%
57	16.031	1253	1255	1257	rBV	99910	121547	2.07%	0.130%
58	16.237	1267	1273	1276	rBV4	196417	468049	7.99%	0.500%
59	16.294	1276	1278	1279	rVV	81047	117858	2.01%	0.126%
60	16.351	1279	1283	1285	rVV3	92172	239594	4.09%	0.256%
61	16.420	1287	1289	1291	rVV2	88322	145679	2.49%	0.155%
62	16.488	1291	1295	1296	rVV3	129732	343136	5.85%	0.366%
63	16.511	1296	1297	1302	rVV2	163004	344580	5.88%	0.368%
64	16.637	1306	1308	1310	rVV	171864	303330	5.18%	0.324%
65	16.671	1310	1311	1313	rVV2	297391	348966	5.95%	0.372%
66	16.705	1313	1314	1317	rVV	182283	309487	5.28%	0.330%
67	16.762	1317	1319	1322	rVV	182594	251718	4.29%	0.269%
68	16.820	1322	1324	1329	rVV2	143968	319237	5.45%	0.341%
69	16.922	1329	1333	1336	rVV3	309794	673715	11.49%	0.719%
70	16.980	1336	1338	1341	rVV2	1948094	3385197	57.76%	3.613%
71	17.025	1341	1342	1346	rVV	1217473	1802934	30.76%	1.924%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120815\
 Data File : BF083612.D
 Acq On : 8 Dec 2015 23:51
 Operator : UM/IZ
 Sample : G4637-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PCPY1

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-BF120815.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

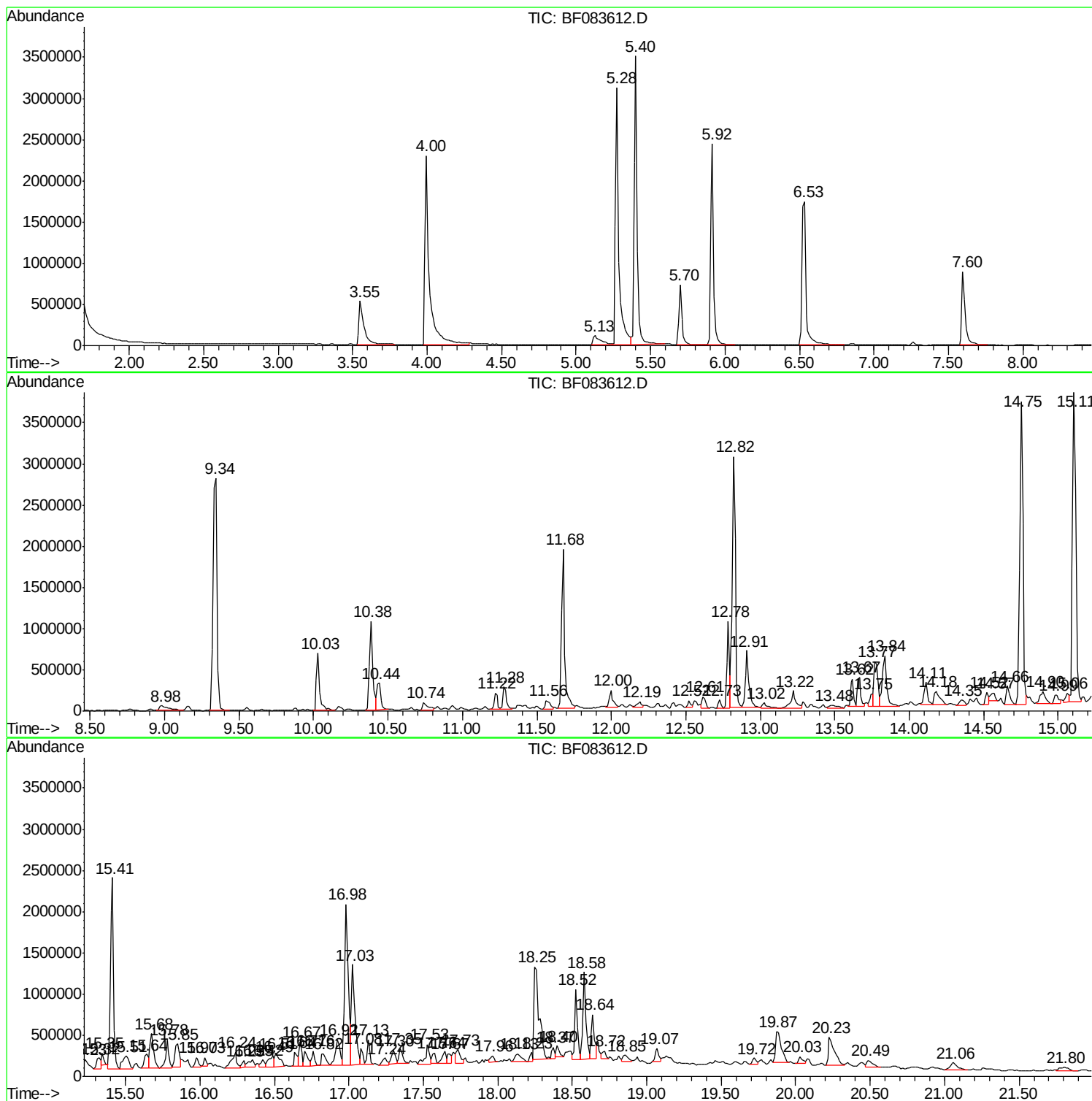
72	17.083	1346	1347	1349	rVV	199422	240137	4.10%	0.256%
73	17.128	1349	1351	1354	rVV	300180	355341	6.06%	0.379%
74	17.243	1357	1361	1363	rBV2	85875	177944	3.04%	0.190%
75	17.300	1363	1366	1368	rVV2	162183	287215	4.90%	0.307%
76	17.345	1368	1370	1375	rVB2	182963	305187	5.21%	0.326%
77	17.528	1380	1386	1388	rVV	237308	456389	7.79%	0.487%
78	17.574	1388	1390	1392	rVV	129800	184732	3.15%	0.197%
79	17.643	1392	1396	1397	rVV3	145087	259212	4.42%	0.277%
80	17.665	1397	1398	1400	rVV2	116249	216054	3.69%	0.231%
81	17.734	1402	1404	1407	rVV2	163572	327691	5.59%	0.350%
82	17.963	1422	1424	1427	rVB2	74815	116406	1.99%	0.124%
83	18.134	1435	1439	1445	rVB5	96561	286223	4.88%	0.306%
84	18.225	1445	1447	1448	rBV	113717	150078	2.56%	0.160%
85	18.248	1448	1449	1458	rVV	1122581	2602424	44.40%	2.778%
86	18.374	1458	1460	1461	rBV	137477	184896	3.15%	0.197%
87	18.397	1461	1462	1466	rVB2	129377	184009	3.14%	0.196%
88	18.523	1471	1473	1476	rVV	851728	1010585	17.24%	1.079%
89	18.580	1476	1478	1481	rVV	1054837	1390468	23.72%	1.484%
90	18.637	1481	1483	1485	rVV	536884	801512	13.68%	0.856%
91	18.717	1488	1490	1492	rVB2	88409	128936	2.20%	0.138%
92	18.854	1500	1502	1506	rVV3	78600	195422	3.33%	0.209%
93	19.071	1518	1521	1523	rBV	159312	282648	4.82%	0.302%
94	19.723	1575	1578	1580	rBV	71328	125797	2.15%	0.134%
95	19.871	1589	1591	1598	rVB2	376370	982559	16.76%	1.049%
96	20.031	1602	1605	1608	rBV	84948	175614	3.00%	0.187%
97	20.226	1620	1622	1631	rBV	334039	949203	16.19%	1.013%
98	20.489	1643	1645	1652	rVB	80204	206875	3.53%	0.221%
99	21.060	1690	1695	1703	rVB5	85487	288406	4.92%	0.308%
100	21.803	1755	1760	1768	rVB4	49875	213884	3.65%	0.228%

Sum of corrected areas: 93686077

Instrument :
BNA_F
ClientSampleId :
PCPY1

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.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\BF120815\
Data File : BF083612.D
Acq On : 8 Dec 2015 23:51
Operator : UM/IZ
Sample : G4637-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

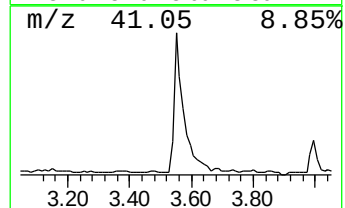
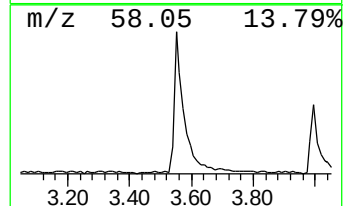
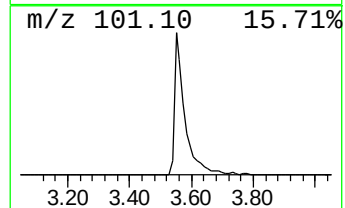
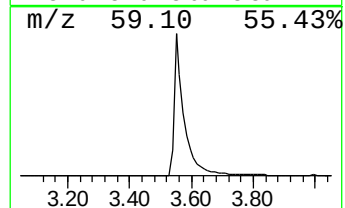
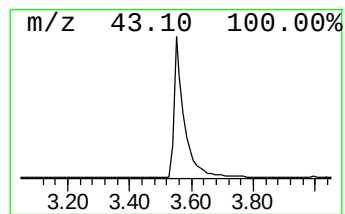
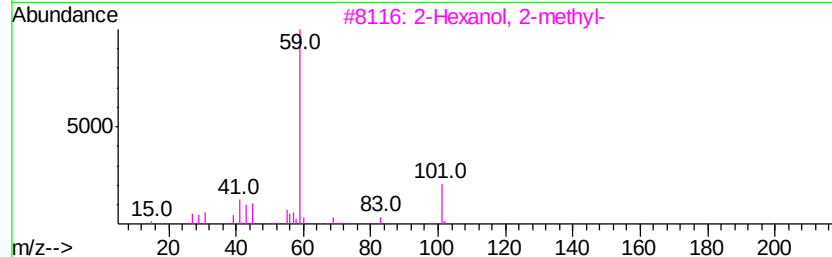
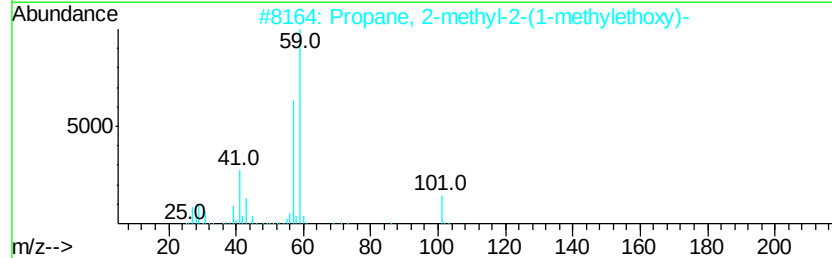
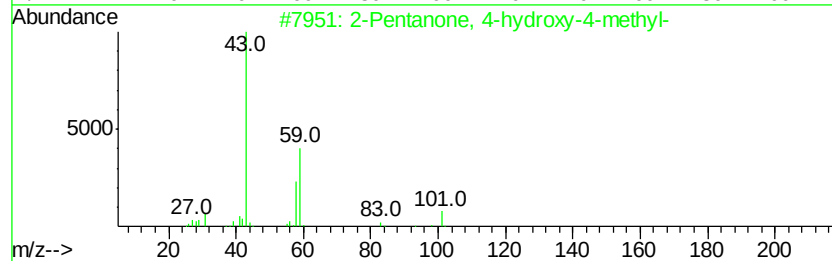
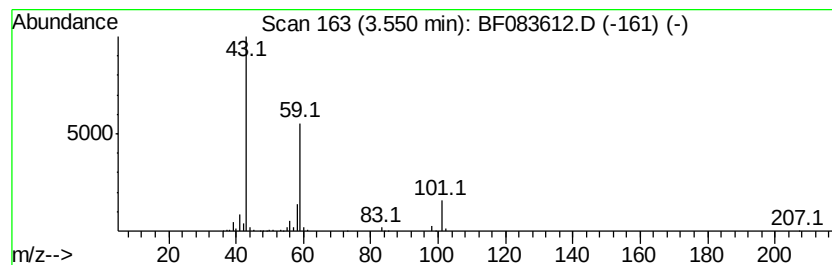
Instrument :
BNA_F
ClientSampleId :
PCPY1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.		
3.55	23.88 ng	1195430	1,4-Dichlorobenzene-d4	5.70		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50	
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	42	
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33	
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33	
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23	



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
Data File : BF083612.D
Acq On : 8 Dec 2015 23:51
Operator : UM/IZ
Sample : G4637-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PCPY1

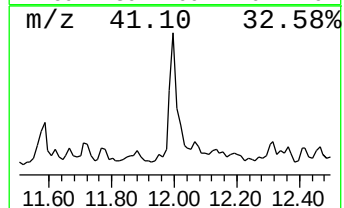
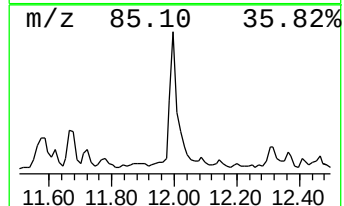
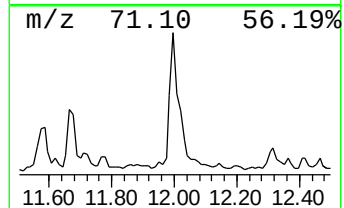
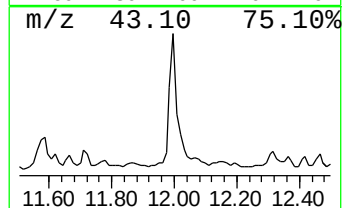
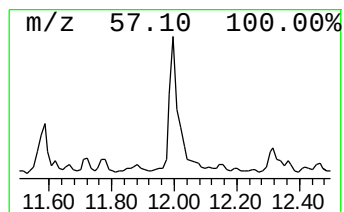
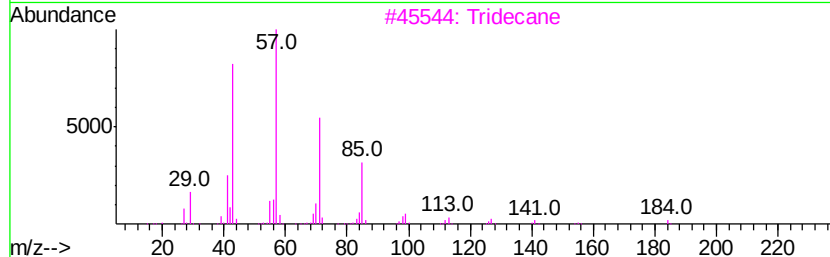
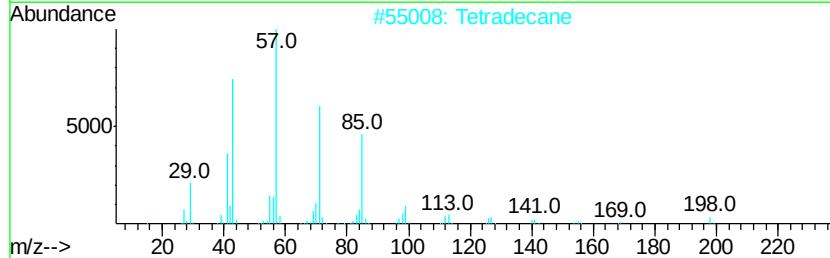
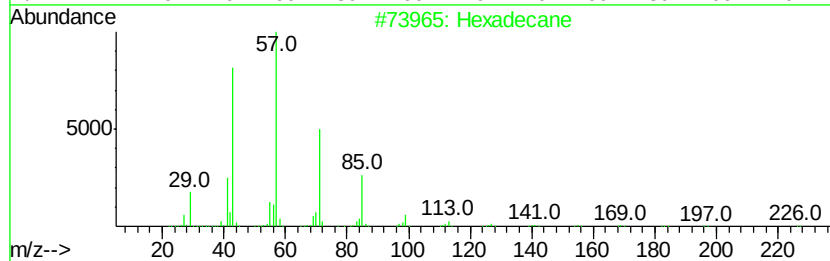
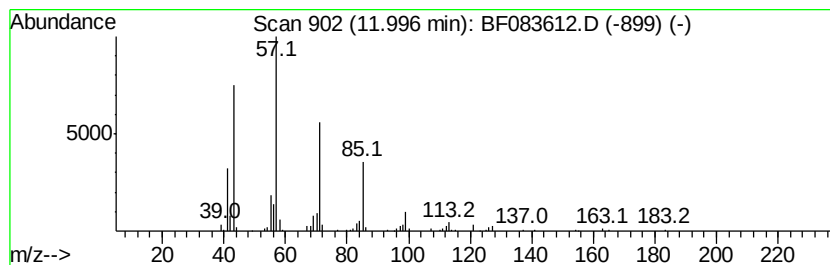
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Hexadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	5.40 ng	372882	Phenanthrene-d10	12.78

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane		226	C16H34	000544-76-3	91
2	Tetradecane		198	C14H30	000629-59-4	90
3	Tridecane		184	C13H28	000629-50-5	86
4	Dodecane, 2-methyl-6-propyl-		226	C16H34	055045-08-4	86
5	Pentadecane		212	C15H32	000629-62-9	83



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
Data File : BF083612.D
Acq On : 8 Dec 2015 23:51
Operator : UM/IZ
Sample : G4637-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

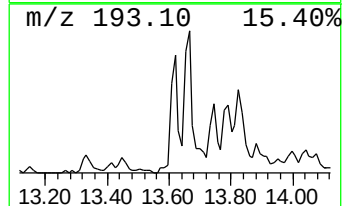
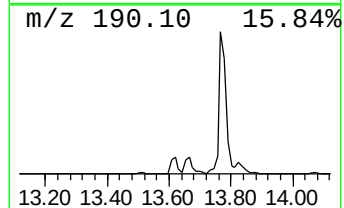
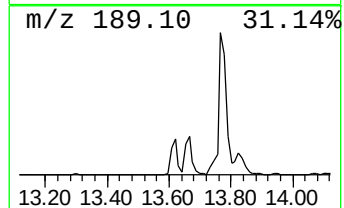
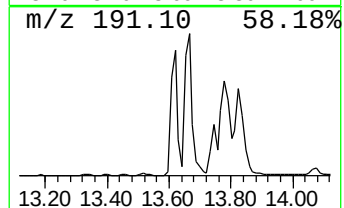
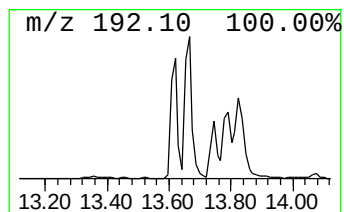
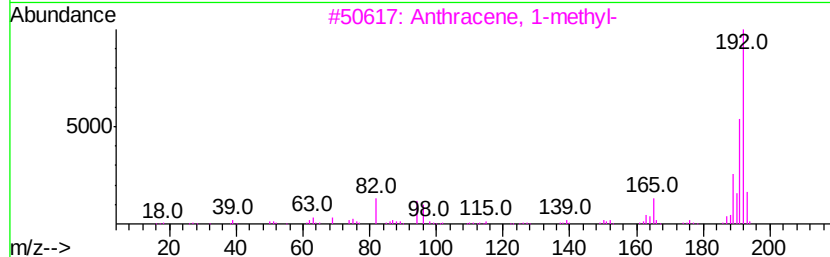
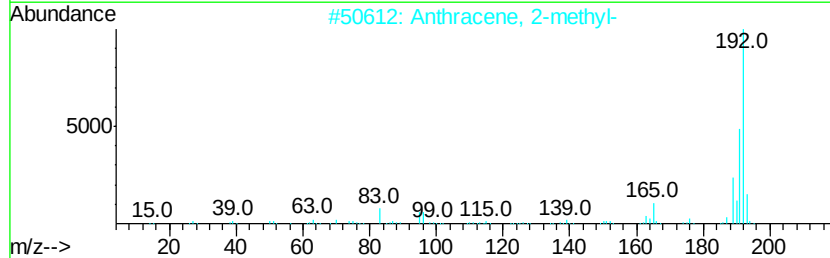
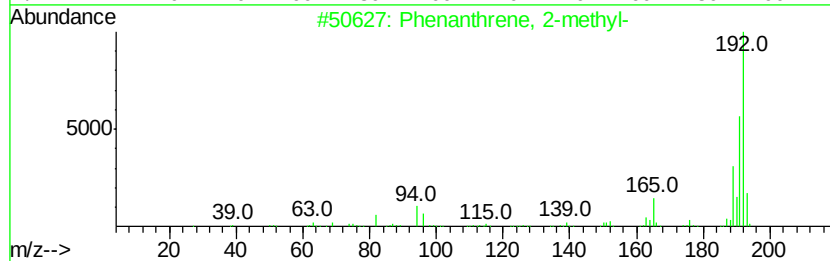
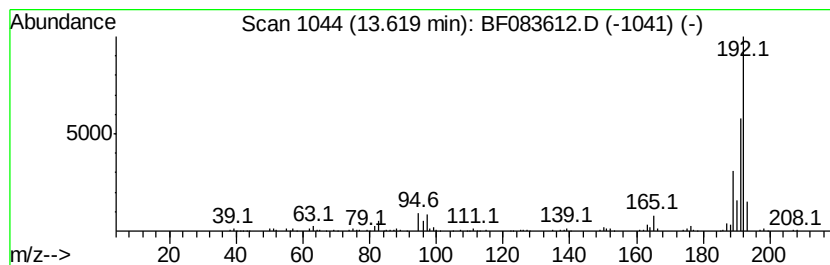
Instrument :
BNA_F
ClientSampleId :
PCPY1

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.62	7.32 ng	505944	Phenanthrene-d10	12.78	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120815\
Data File : BF083612.D
Acq On : 8 Dec 2015 23:51
Operator : UM/IZ
Sample : G4637-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PCPY1

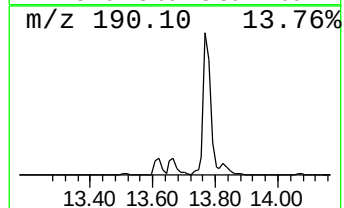
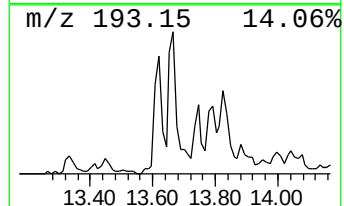
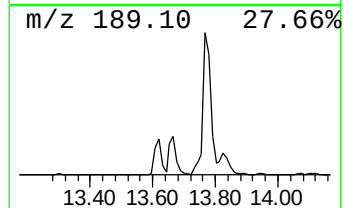
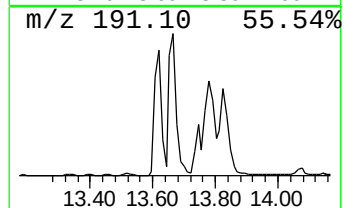
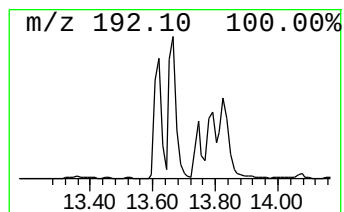
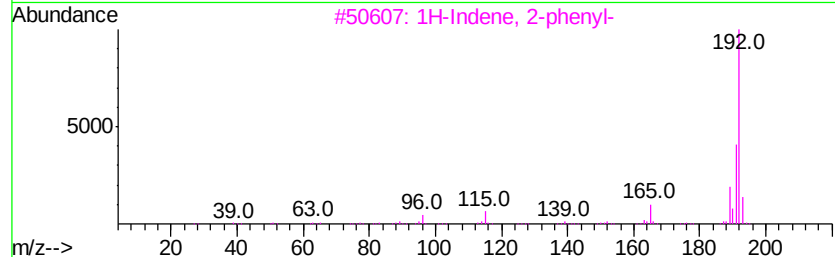
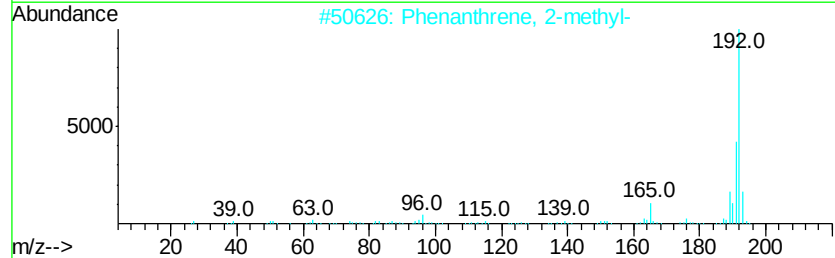
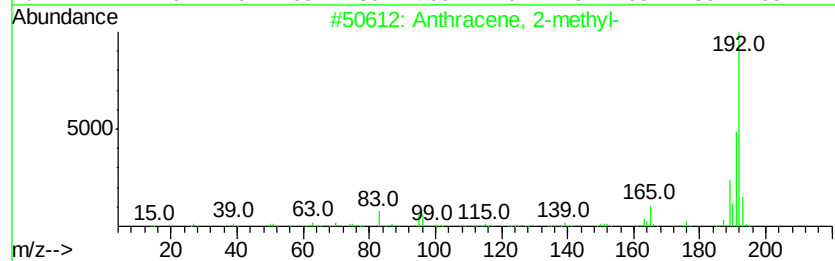
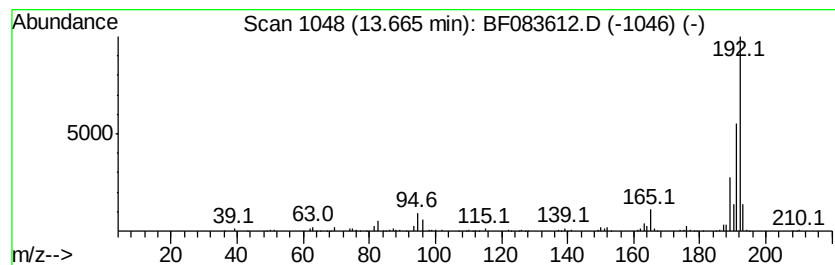
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	8.62 ng	595761	Phenanthrene-d10	12.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
Data File : BF083612.D
Acq On : 8 Dec 2015 23:51
Operator : UM/IZ
Sample : G4637-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

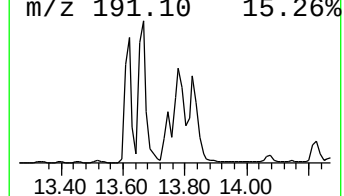
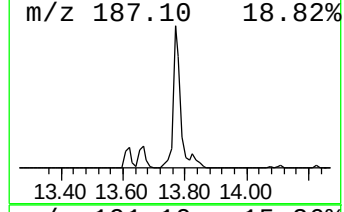
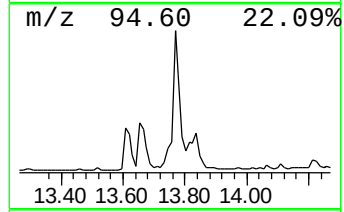
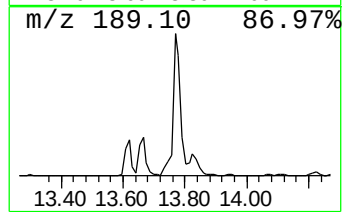
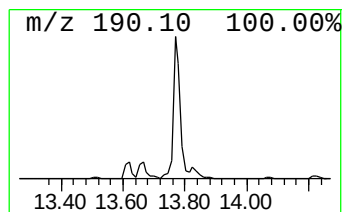
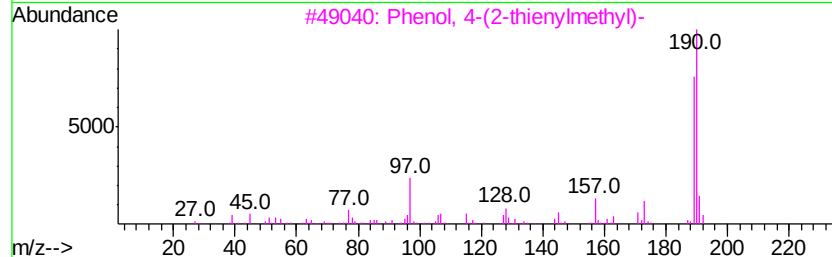
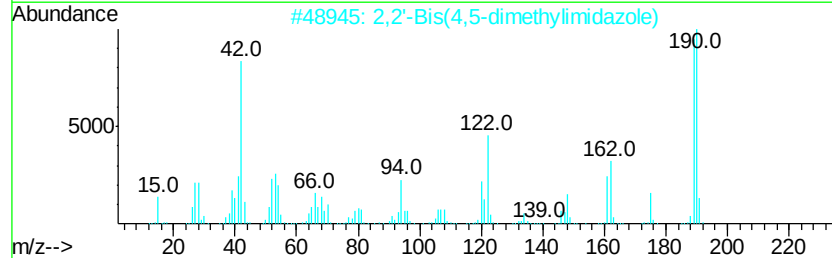
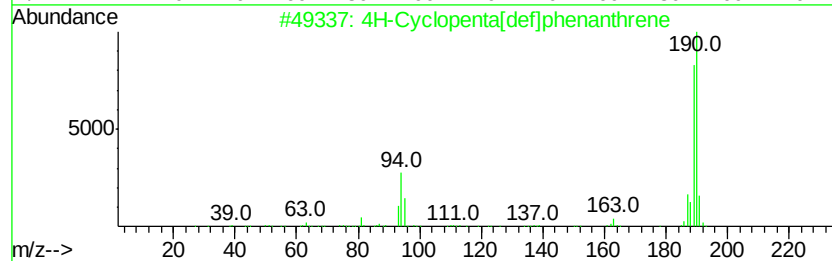
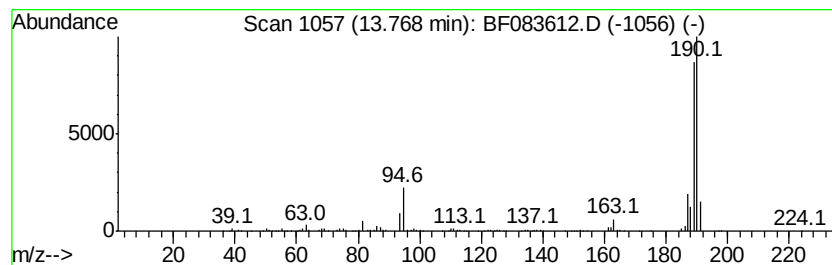
Instrument :
BNA_F
ClientSampleId :
PCPY1

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.77	13.93 ng	962505	Phenanthrene-d10	12.78	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	96
2	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	72
3	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	59
4	6,7-Methylenedioxy-4(3H)-quinazo...	190	C9H6N2O3	028310-11-4	45
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	42



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120815\
Data File : BF083612.D
Acq On : 8 Dec 2015 23:51
Operator : UM/IZ
Sample : G4637-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PCPY1

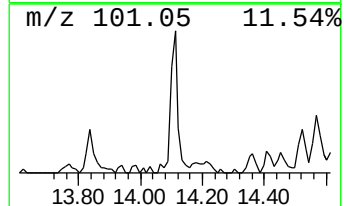
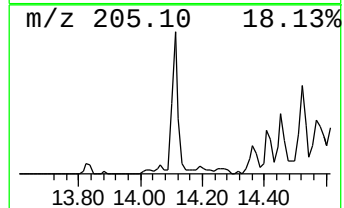
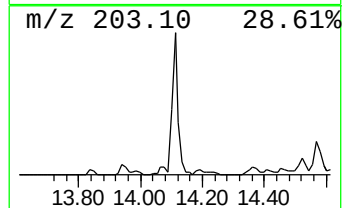
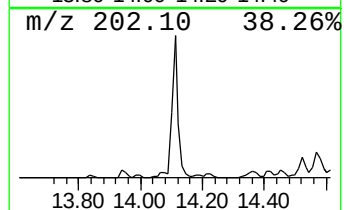
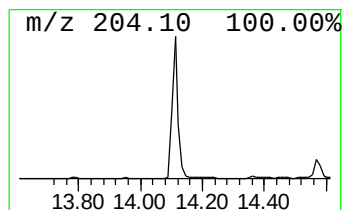
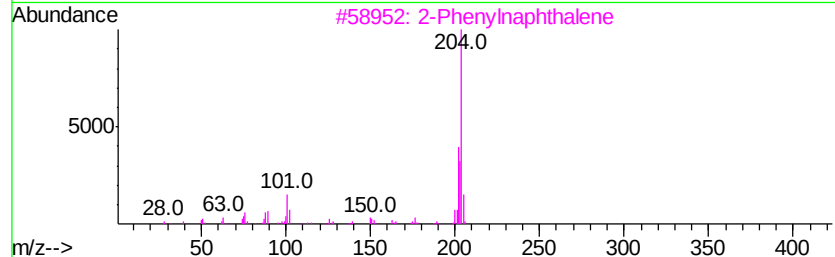
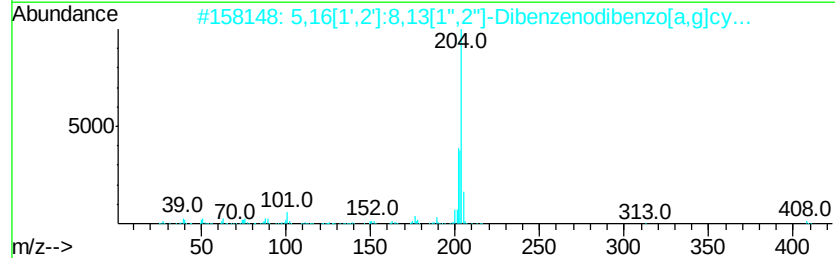
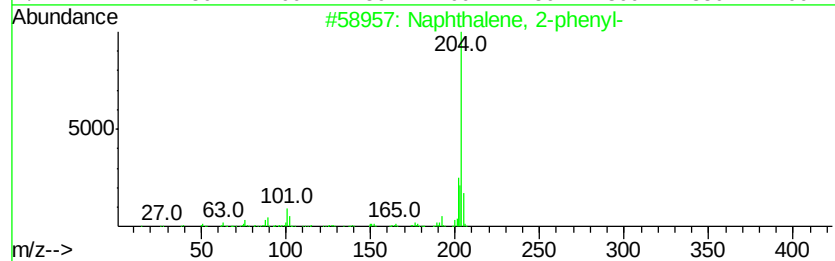
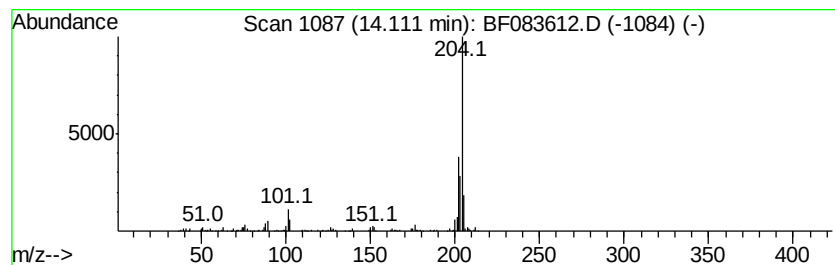
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.11	6.28 ng	433657	Phenanthrene-d10	12.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3		2-Phenyl naphthalene	204	C16H12	035465-71-5	70
4		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	68
5		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
Data File : BF083612.D
Acq On : 8 Dec 2015 23:51
Operator : UM/IZ
Sample : G4637-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PCPY1

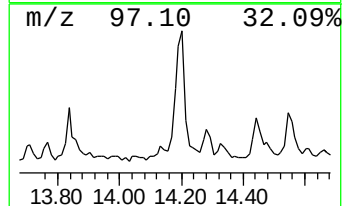
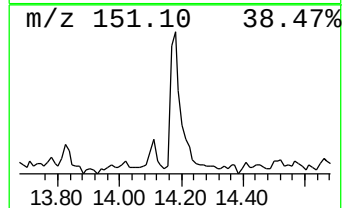
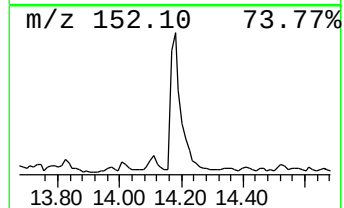
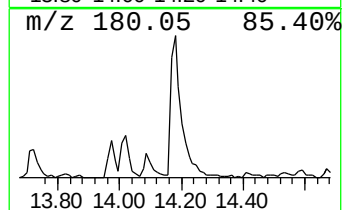
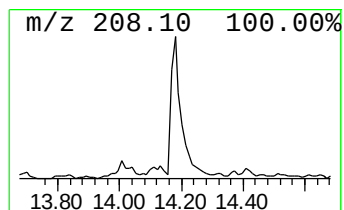
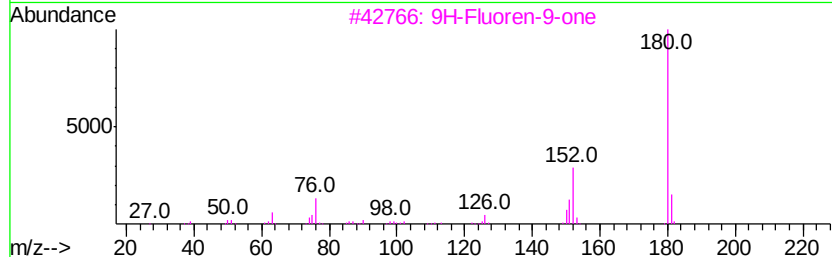
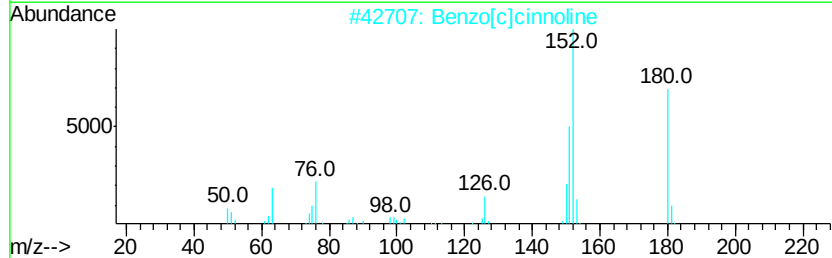
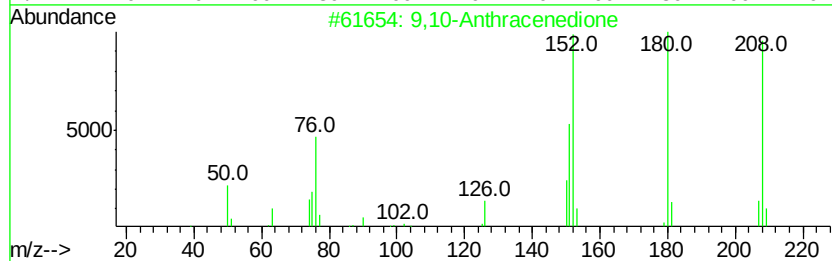
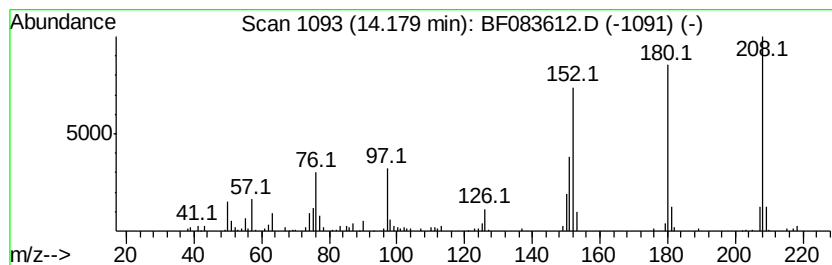
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.18	6.50 ng	449260	Phenanthrene-d10	12.78

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
3			9H-Fluoren-9-one	180	C13H8O	000486-25-9	78
4			1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
5			Benzo[h]cinnoline	180	C12H8N2	000230-31-9	46



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
Data File : BF083612.D
Acq On : 8 Dec 2015 23:51
Operator : UM/IZ
Sample : G4637-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PCPY1

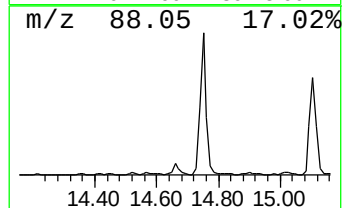
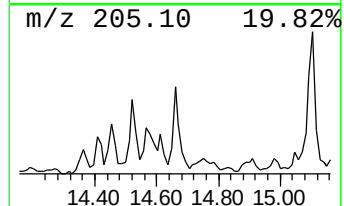
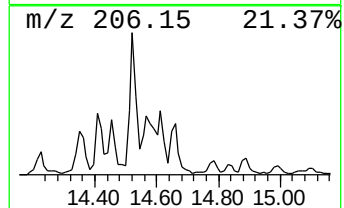
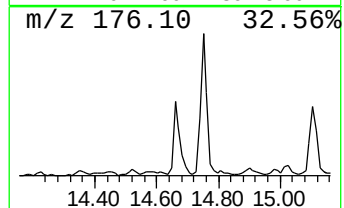
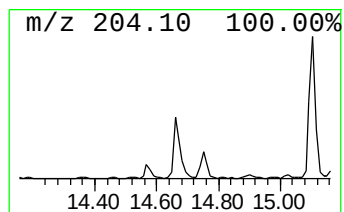
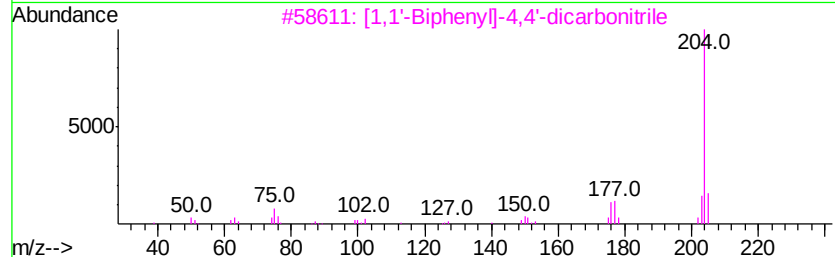
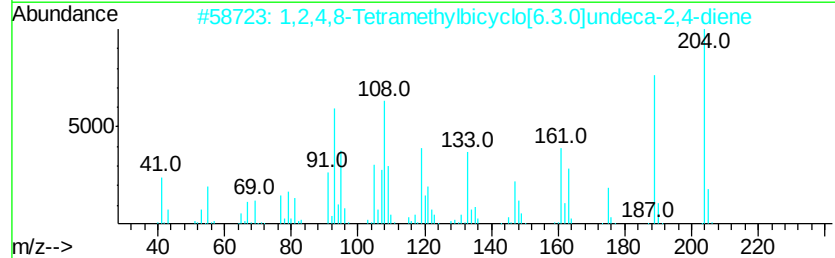
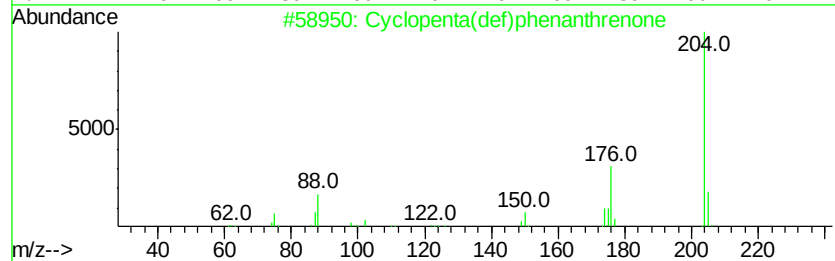
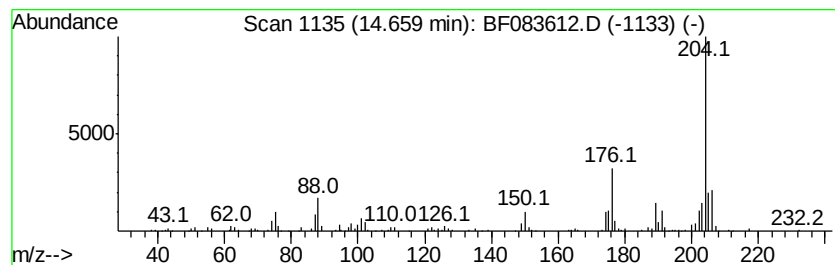
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.66	5.00 ng	345351	Phenanthrene-d10	12.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2		1,2,4,8-Tetramethylbicyclo[6.3.0]...	204	C15H24	137235-51-9	60
3		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	43
5		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	40



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
Data File : BF083612.D
Acq On : 8 Dec 2015 23:51
Operator : UM/IZ
Sample : G4637-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PCPY1

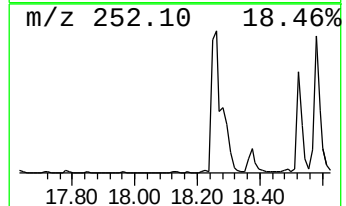
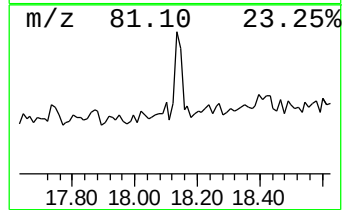
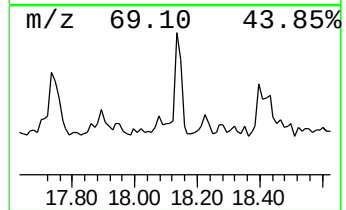
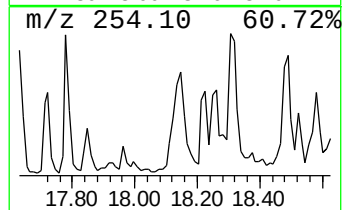
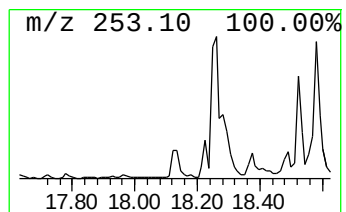
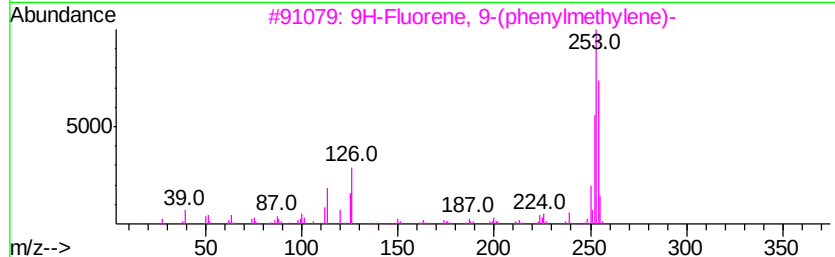
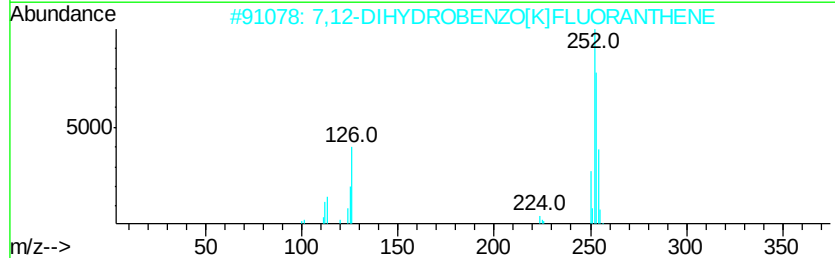
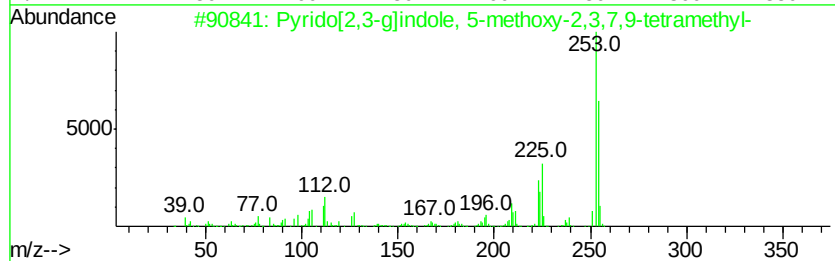
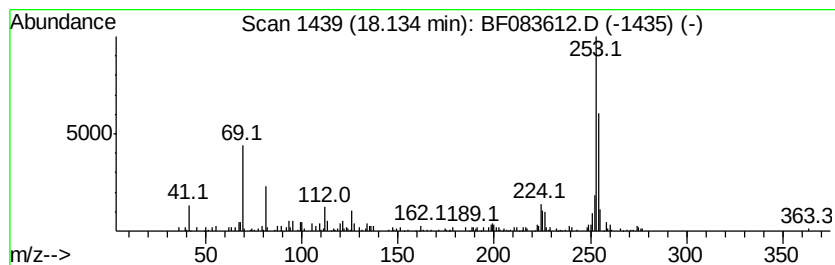
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Pyrido[2,3-g]indole, 5-meth... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	7.14 ng	286223	Perylene-d12	18.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrido[2,3-g]indole, 5-methoxy-2...	254	C16H18N2O	201991-45-9	72
2		7,12-DIHYDROBENZO[K]FLUORANTHENE	254	C20H14	1000080-17-7	64
3		9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	64
4		1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	64
5		(7-Methyl-4,6,6a,7,8,10a-hexahyd...	254	C16H18N2O	1000192-61-1	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120815\
Data File : BF083612.D
Acq On : 8 Dec 2015 23:51
Operator : UM/IZ
Sample : G4637-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PCPY1

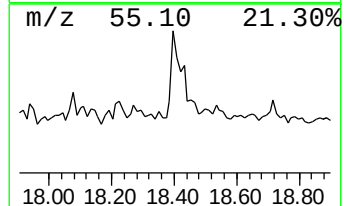
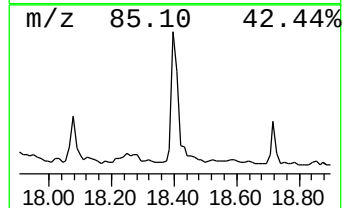
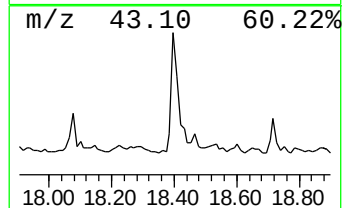
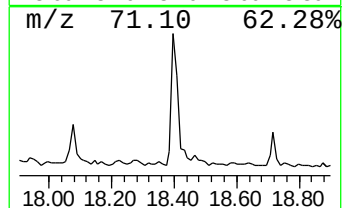
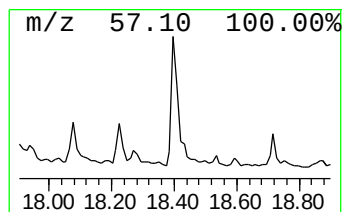
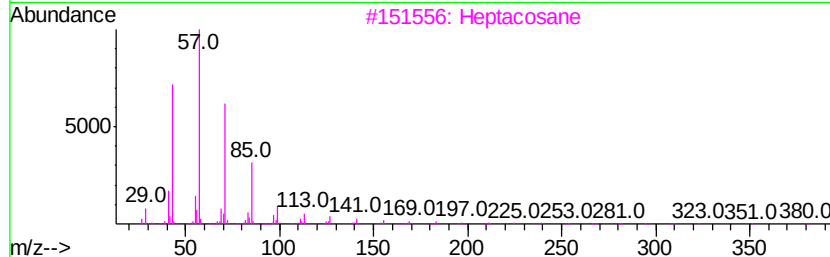
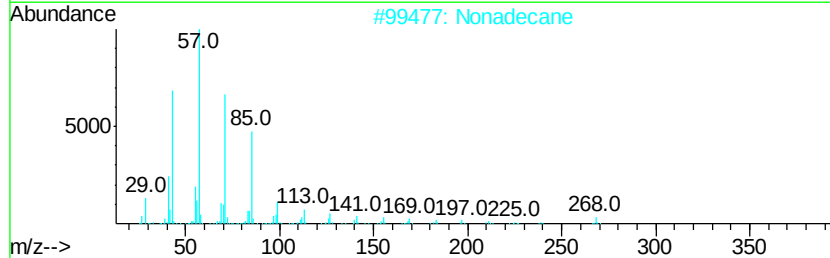
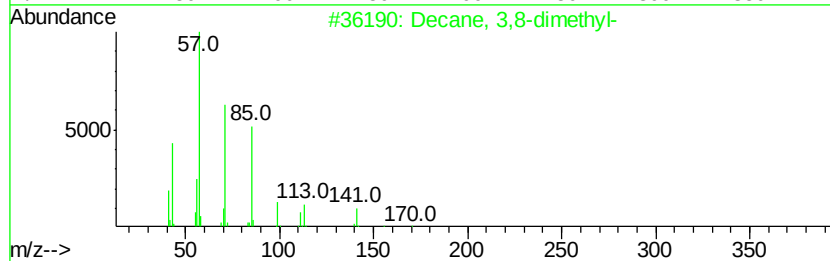
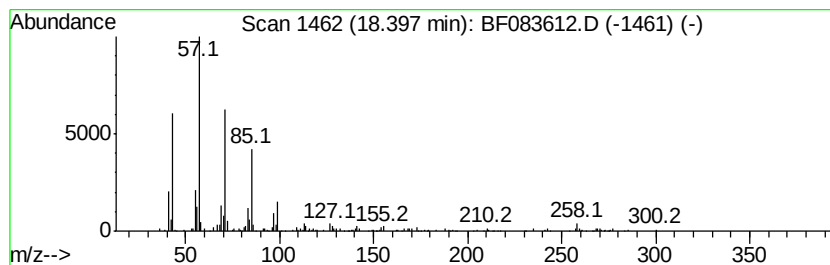
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Decane, 3,8-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	4.59 ng	184009	Perylene-d12	18.64

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	83
2			Nonadecane	268	C19H40	000629-92-5	80
3			Heptacosane	380	C27H56	000593-49-7	80
4			Heptadecane	240	C17H36	000629-78-7	80
5			Undecane, 2-methyl-	170	C12H26	007045-71-8	80



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
Data File : BF083612.D
Acq On : 8 Dec 2015 23:51
Operator : UM/IZ
Sample : G4637-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PCPY1

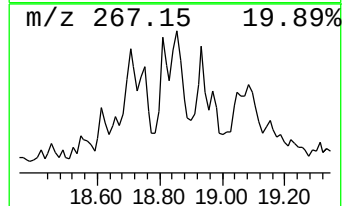
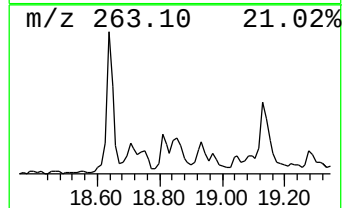
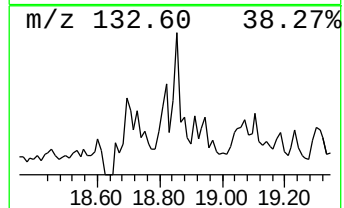
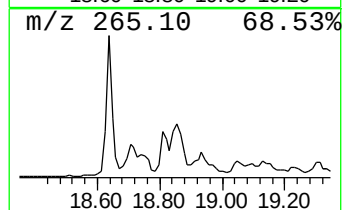
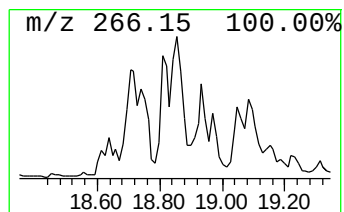
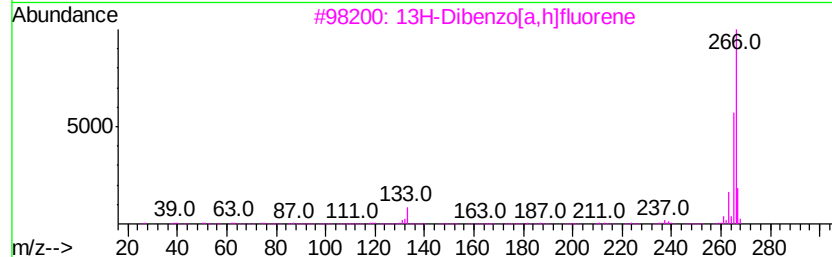
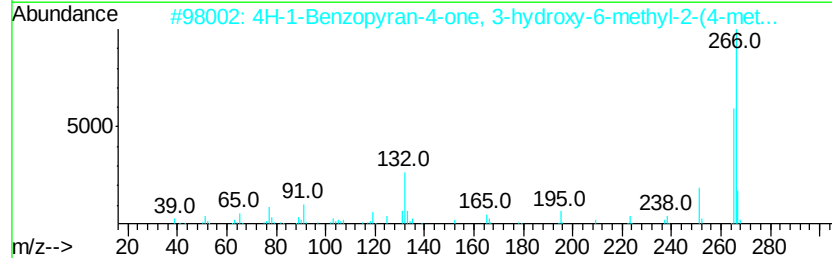
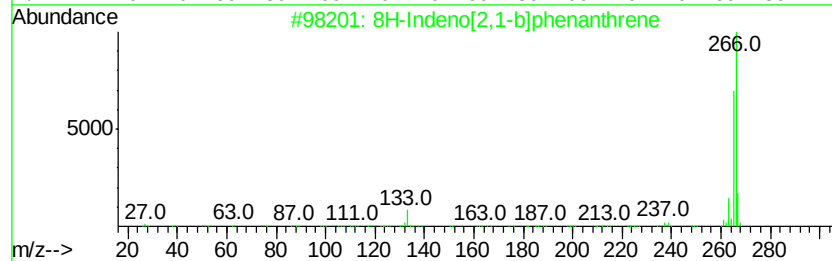
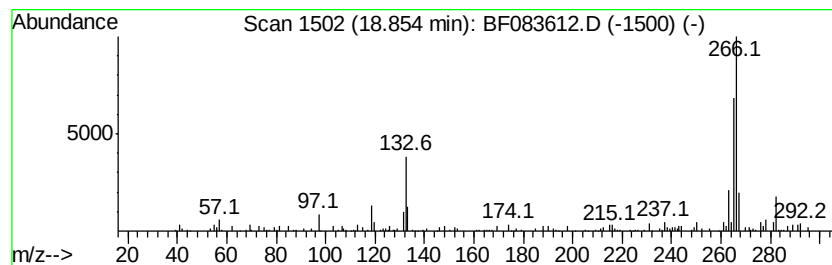
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 8H-Indeno[2,1-b]phenanthrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	4.88 ng	195422	Perylene-d12	18.64

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	92
2			4H-1-Benzopyran-4-one, 3-hydroxy...	266	C17H14O3	078396-37-9	64
3			13H-Dibenzof[a,h]fluorene	266	C21H14	000239-85-0	60
4			11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	60
5			Thiazole, 4-phenyl-2-(4-tolylami...	266	C16H14N2S	016098-04-7	58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
Data File : BF083612.D
Acq On : 8 Dec 2015 23:51
Operator : UM/IZ
Sample : G4637-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PCPY1

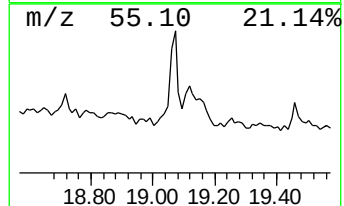
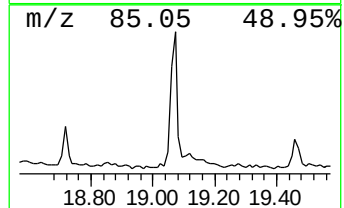
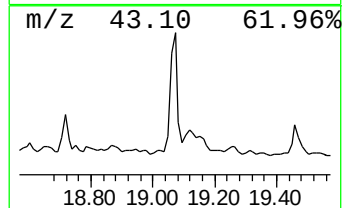
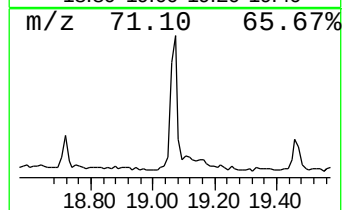
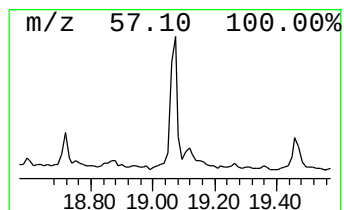
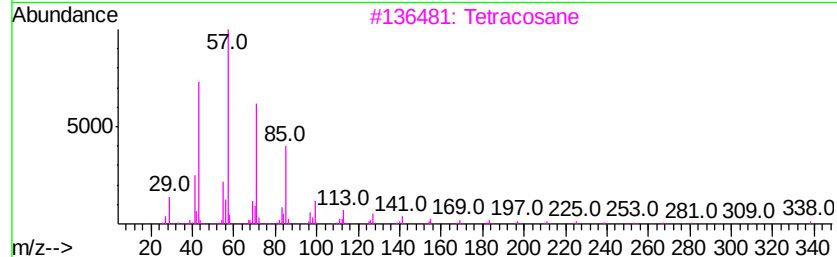
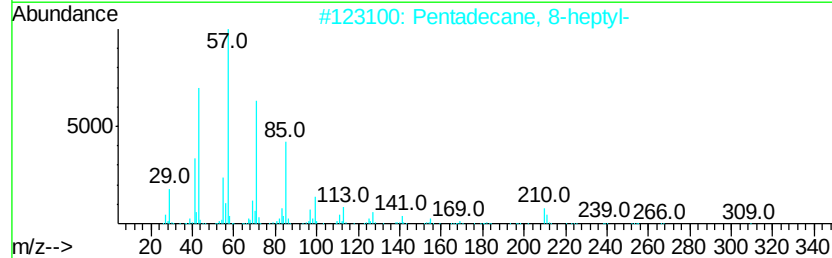
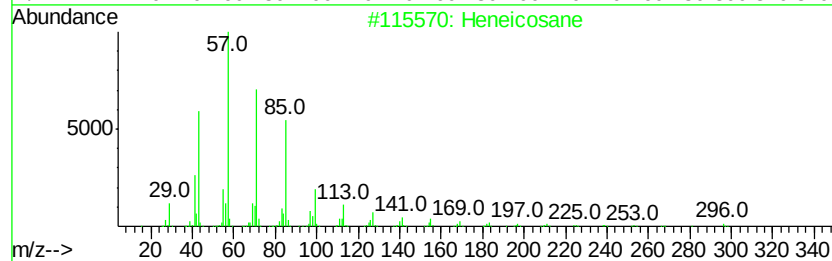
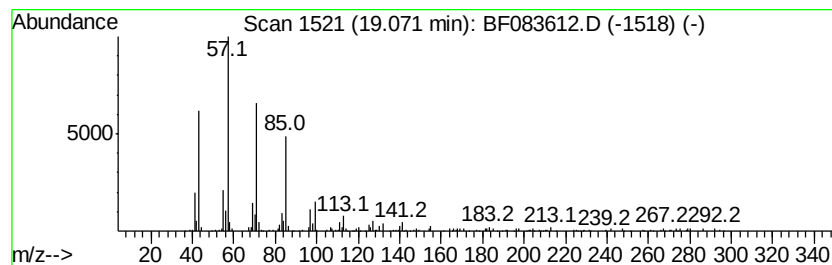
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Heneicosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.07	7.05 ng	282648	Perylene-d12	18.64

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heneicosane	296	C21H44	000629-94-7	90
2			Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	87
3			Tetracosane	338	C24H50	000646-31-1	87
4			Nonacosane	408	C29H60	000630-03-5	86
5			Tetratetracontane	619	C44H90	007098-22-8	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120815\
Data File : BF083612.D
Acq On : 8 Dec 2015 23:51
Operator : UM/IZ
Sample : G4637-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PCPY1

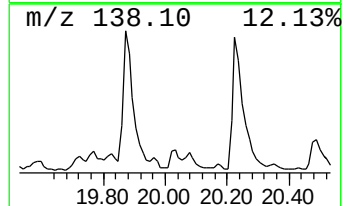
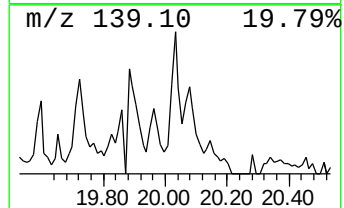
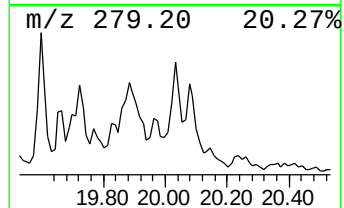
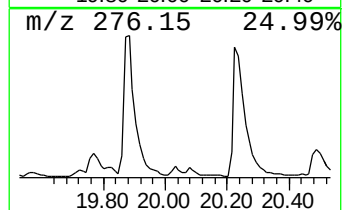
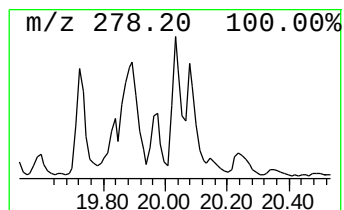
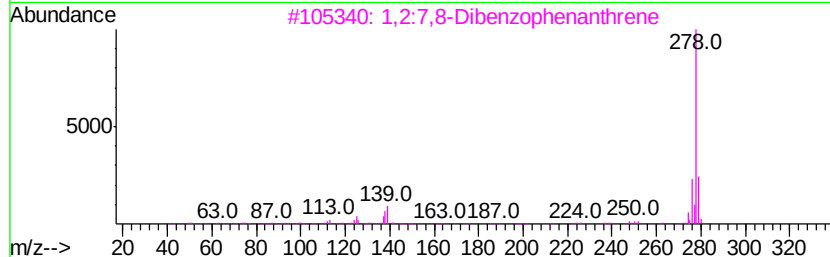
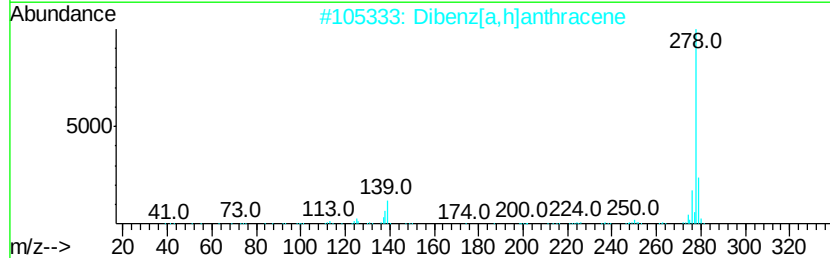
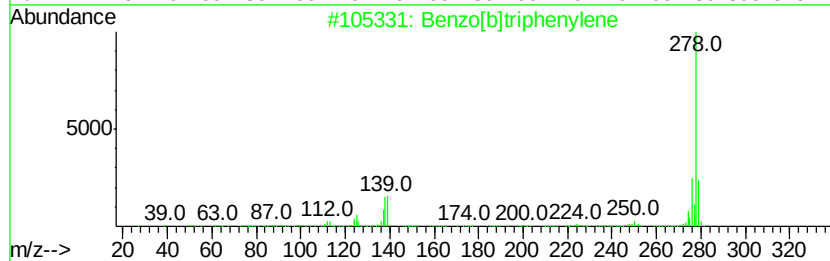
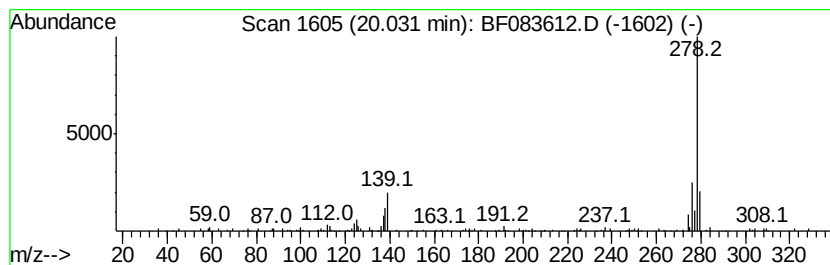
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzo[b]triphenylene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.03	4.38 ng	175614	Perylene-d12	18.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	93
2		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	91
3		1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	78
4		Benzo[a]naphthacene	278	C22H14	000226-88-0	74
5		Pentaphene	278	C22H14	000222-93-5	74



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
Data File : BF083612.D
Acq On : 8 Dec 2015 23:51
Operator : UM/IZ
Sample : G4637-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PCPY1

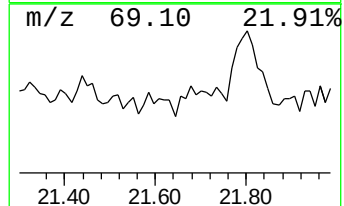
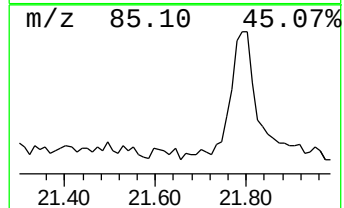
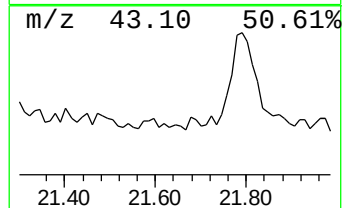
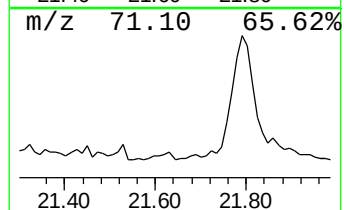
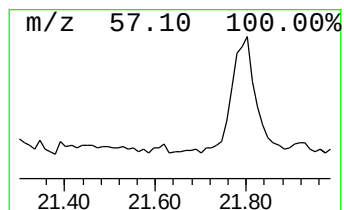
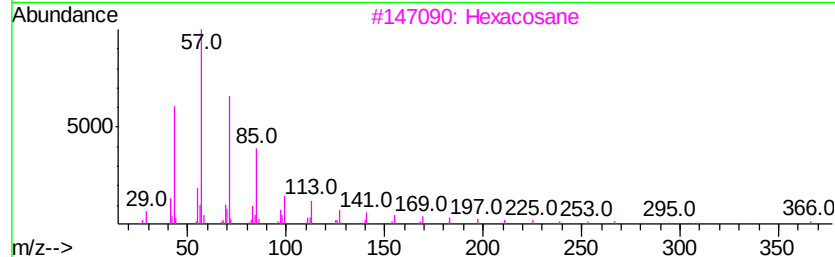
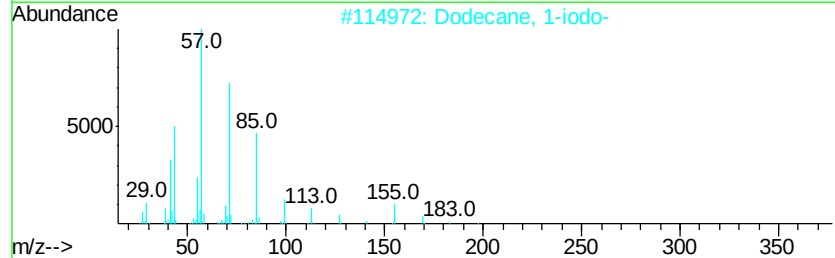
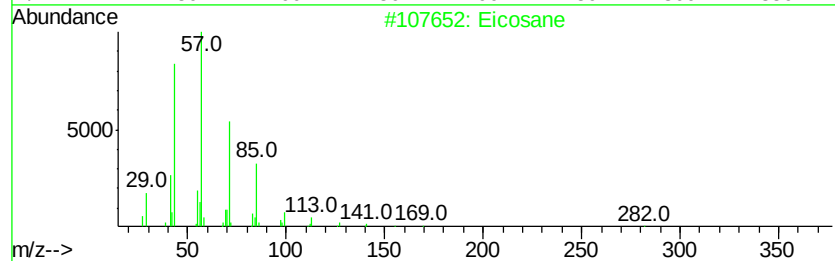
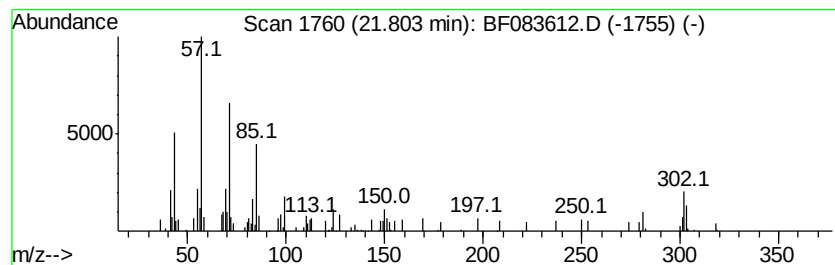
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 unknown21.80 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.80	5.34 ng	213884	Perylene-d12	18.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	46
2		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	43
3		Hexacosane	366	C26H54	000630-01-3	43
4		Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	43
5		Nonacosane	408	C29H60	000630-03-5	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120815\
Data File : BF083612.D
Acq On : 8 Dec 2015 23:51
Operator : UM/IZ
Sample : G4637-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PCPY1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.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...	3.55	23.9	ng	1195430	1	5.70	1001070	20.0
Hexadecane	12.00	5.4	ng	372882	4	12.78	1381750	20.0
Phenanthrene, 2-m...	13.62	7.3	ng	505944	4	12.78	1381750	20.0
Anthracene, 2-met...	13.67	8.6	ng	595761	4	12.78	1381750	20.0
4H-Cyclopenta[def...	13.77	13.9	ng	962505	4	12.78	1381750	20.0
Naphthalene, 2-ph...	14.11	6.3	ng	433657	4	12.78	1381750	20.0
9,10-Anthracenedione	14.18	6.5	ng	449260	4	12.78	1381750	20.0
Cyclopenta(def)ph...	14.66	5.0	ng	345351	4	12.78	1381750	20.0
Pyrido[2,3-g]indo...	18.13	7.1	ng	286223	6	18.64	801512	20.0
Decane, 3,8-dimet...	18.40	4.6	ng	184009	6	18.64	801512	20.0
8H-Indeno[2,1-b]p...	18.85	4.9	ng	195422	6	18.64	801512	20.0
Heneicosane	19.07	7.0	ng	282648	6	18.64	801512	20.0
Benzo[b]triphenylene	20.03	4.4	ng	175614	6	18.64	801512	20.0
unknown21.80	21.80	5.3	ng	213884	6	18.64	801512	20.0