

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030415\
 Data File : BF077613.D
 Acq On : 5 Mar 2015 8:47
 Operator : TP/IZ
 Sample : G1332-05
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SA-2

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: CENTROID

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.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	1.390	41	44	46	rBV	3618405	4987203	100.00%	10.885%
2	1.515	51	55	58	rVB	102829	173363	3.48%	0.378%
3	1.687	68	70	77	rVB	57733	83358	1.67%	0.182%
4	1.824	80	82	93	rVB	135408	198679	3.98%	0.434%
5	4.990	358	359	368	rVB	172692	269189	5.40%	0.588%
6	5.516	402	405	408	rBV	1346983	1353830	27.15%	2.955%
7	6.785	514	516	519	rBV	1302069	1354024	27.15%	2.955%
8	6.933	527	529	532	rBV	1561108	1466542	29.41%	3.201%
9	7.219	552	554	557	rBV	528227	612358	12.28%	1.336%
10	7.413	568	571	573	rBV	1114100	1206075	24.18%	2.632%
11	7.916	612	615	617	rBV	1014511	923430	18.52%	2.015%
12	8.796	690	692	697	rBV	890538	946329	18.98%	2.065%
13	9.688	768	770	772	rVB	204586	203539	4.08%	0.444%
14	9.802	778	780	783	rVB	135962	139776	2.80%	0.305%
15	10.145	808	810	813	rBV	2065197	1882198	37.74%	4.108%
16	10.271	819	821	824	rVB	77008	83142	1.67%	0.181%
17	10.465	835	838	841	rVB	49559	81847	1.64%	0.179%
18	10.556	844	846	847	rBV	98179	101609	2.04%	0.222%
19	10.591	847	849	850	rVV	63546	62020	1.24%	0.135%
20	10.648	852	854	857	rVV	52781	65636	1.32%	0.143%
21	10.705	857	859	862	rVV	34330	58483	1.17%	0.128%
22	10.968	880	882	884	rBV	757418	1029679	20.65%	2.247%
23	11.014	884	886	888	rVB	509056	432577	8.67%	0.944%
24	11.231	902	905	907	rBV	361721	364099	7.30%	0.795%
25	11.654	940	942	944	rBV	408314	369239	7.40%	0.806%
26	11.734	944	949	950	rVV	40582	64282	1.29%	0.140%
27	11.756	950	951	953	rVV	49077	52224	1.05%	0.114%
28	11.814	953	956	958	rVV	30798	55738	1.12%	0.122%
29	11.859	958	960	963	rVB2	64140	124329	2.49%	0.271%
30	11.951	965	968	971	rBV	1186173	1225433	24.57%	2.675%
31	12.339	998	1002	1003	rBV2	46237	84213	1.69%	0.184%
32	12.579	1020	1023	1025	rVB	138934	179674	3.60%	0.392%
33	12.648	1026	1029	1030	rBV	53467	81346	1.63%	0.178%
34	12.682	1030	1032	1036	rVB	161356	174997	3.51%	0.382%

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35	12.819	1041	1044	1045	rBV	893690	1194766	23.96%	2.608%
36	12.842	1045	1046	1048	rVV	1931813	2064743	41.40%	4.506%
37	12.911	1048	1052	1054	rVV	497846	580749	11.64%	1.267%
38	12.957	1054	1056	1059	rVB	42300	70847	1.42%	0.155%
39	13.082	1065	1067	1068	rBV	57765	62758	1.26%	0.137%
40	13.117	1068	1070	1071	rVV	254546	290225	5.82%	0.633%
41	13.231	1079	1080	1082	rVB2	40382	50039	1.00%	0.109%
42	13.448	1095	1099	1100	rBV	150394	220132	4.41%	0.480%
43	13.482	1100	1102	1104	rVB	231600	301885	6.05%	0.659%
44	13.540	1104	1107	1108	rBV	101379	123457	2.48%	0.269%
45	13.574	1108	1110	1112	rVV	314733	371903	7.46%	0.812%
46	13.608	1112	1113	1116	rVB	139041	110596	2.22%	0.241%
47	13.837	1130	1133	1135	rVB2	205597	341890	6.86%	0.746%
48	13.997	1145	1147	1149	rBV2	36932	53715	1.08%	0.117%
49	14.122	1156	1158	1160	rBV	75880	121138	2.43%	0.264%
50	14.168	1160	1162	1166	rVV4	50767	118535	2.38%	0.259%
51	14.225	1166	1167	1171	rVB2	78137	114203	2.29%	0.249%
52	14.317	1173	1175	1178	rBV	1483491	2072617	41.56%	4.524%
53	14.397	1180	1182	1184	rBV2	59389	65709	1.32%	0.143%
54	14.500	1187	1191	1196	rBV2	137282	251618	5.05%	0.549%
55	14.602	1196	1200	1202	rBV2	1627366	2026295	40.63%	4.422%
56	14.671	1204	1206	1207	rVB	81284	75249	1.51%	0.164%
57	14.762	1211	1214	1215	rBV	116549	150241	3.01%	0.328%
58	14.808	1215	1218	1221	rVB	2148165	2256402	45.24%	4.925%
59	14.888	1221	1225	1226	rBV2	90475	172471	3.46%	0.376%
60	14.991	1231	1234	1235	rBV2	81154	149419	3.00%	0.326%
61	15.014	1235	1236	1238	rVB	203796	234024	4.69%	0.511%
62	15.105	1242	1244	1245	rBV2	150808	165598	3.32%	0.361%
63	15.140	1245	1247	1249	rBV2	145832	195304	3.92%	0.426%
64	15.254	1255	1257	1259	rVB	73326	80572	1.62%	0.176%
65	15.300	1259	1261	1262	rBV	68494	88721	1.78%	0.194%
66	15.391	1267	1269	1271	rBV2	32794	59741	1.20%	0.130%
67	15.528	1276	1281	1282	rBV3	70357	196569	3.94%	0.429%
68	15.643	1289	1291	1295	rVB	114242	159519	3.20%	0.348%
69	15.780	1301	1303	1305	rBV2	135063	231897	4.65%	0.506%
70	15.825	1305	1307	1310	rVV2	155413	304639	6.11%	0.665%
71	15.905	1313	1314	1318	rVV	130403	200158	4.01%	0.437%

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72	15.985	1318	1321	1326	rVV2	255555	432982	8.68%	0.945%
73	16.100	1326	1331	1333	rVV2	1277617	2507383	50.28%	5.472%
74	16.134	1333	1334	1336	rVV	603300	810133	16.24%	1.768%
75	16.237	1340	1343	1344	rBV2	140901	177259	3.55%	0.387%
76	16.363	1351	1354	1356	rVB2	83643	132854	2.66%	0.290%
77	16.408	1356	1358	1360	rBV	111082	160753	3.22%	0.351%
78	16.614	1373	1376	1377	rBV	116776	165585	3.32%	0.361%
79	16.648	1377	1379	1382	rVB3	64580	89021	1.78%	0.194%
80	16.763	1388	1389	1390	rBV	61564	71047	1.42%	0.155%
81	17.003	1408	1410	1412	rBV	91461	132419	2.66%	0.289%
82	17.288	1433	1435	1438	rVB	163113	197412	3.96%	0.431%
83	17.414	1443	1446	1451	rBV	666344	1487989	29.84%	3.248%
84	17.528	1455	1456	1458	rVB	137300	161204	3.23%	0.352%
85	17.734	1472	1474	1478	rVB	298068	490765	9.84%	1.071%
86	17.803	1478	1480	1483	rBV	641157	725443	14.55%	1.583%
87	17.871	1483	1486	1493	rVV2	896987	1360392	27.28%	2.969%
88	19.300	1608	1611	1617	rVB2	247204	526356	10.55%	1.149%
89	19.723	1645	1648	1653	rVB	196877	370924	7.44%	0.810%

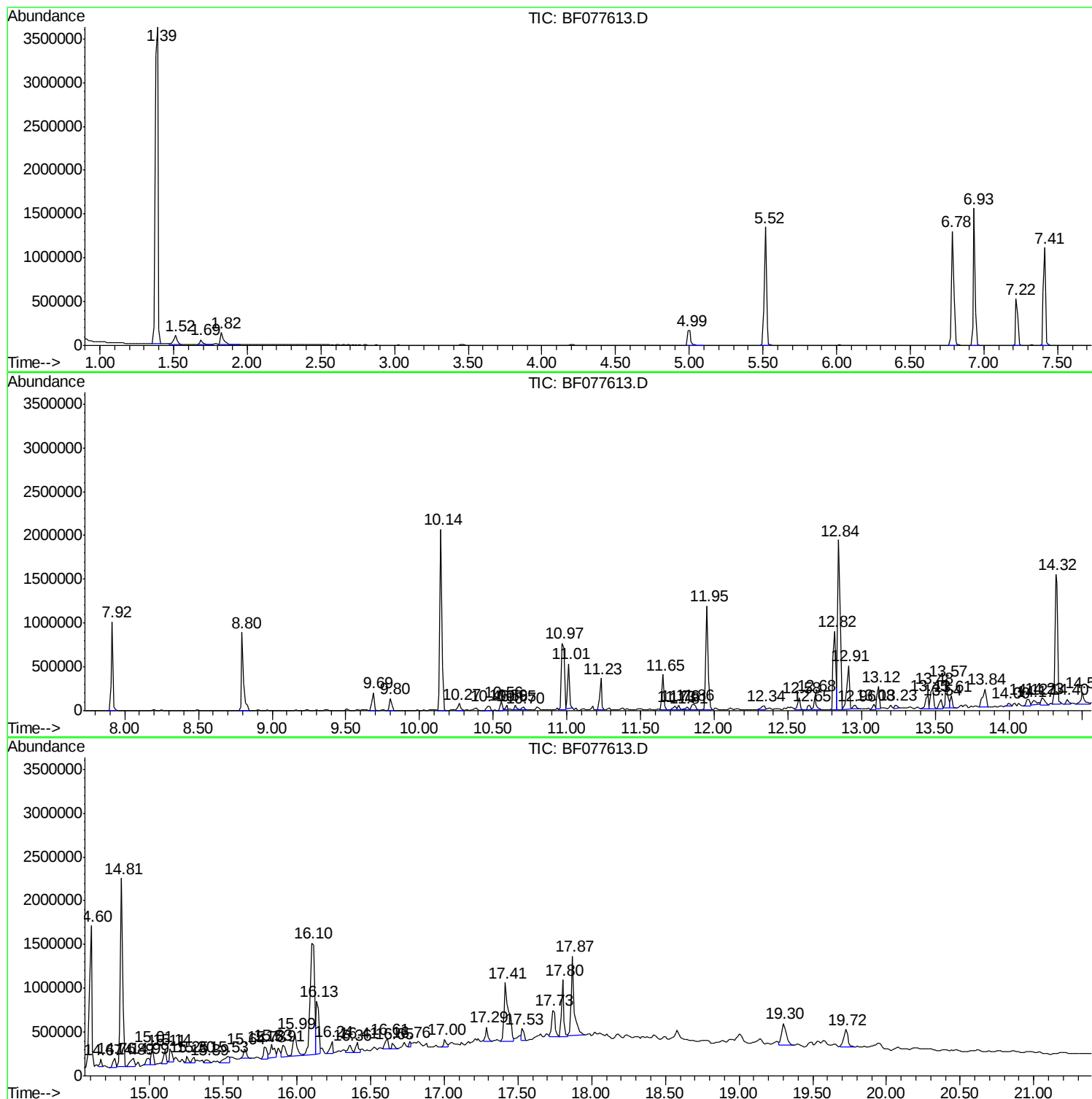
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ClientSampled :
SA-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Instrument :
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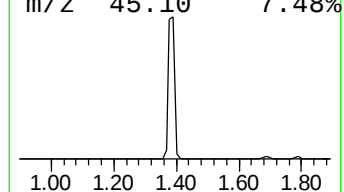
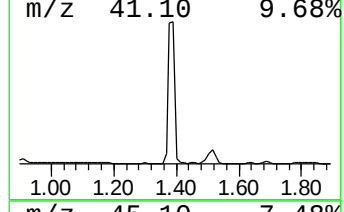
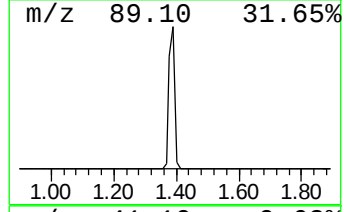
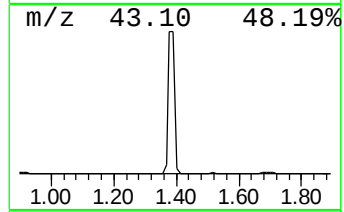
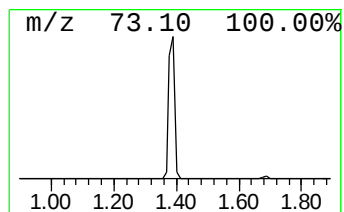
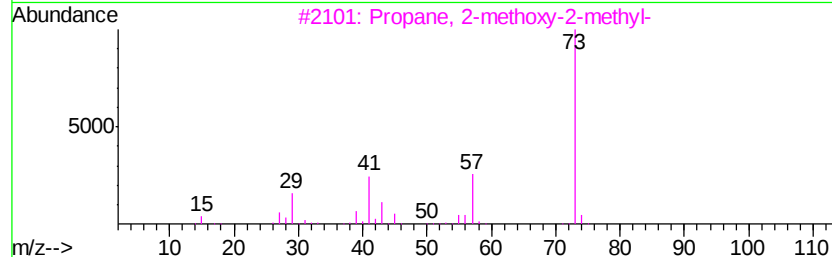
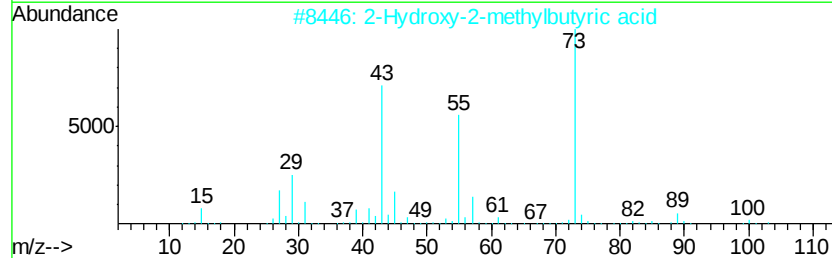
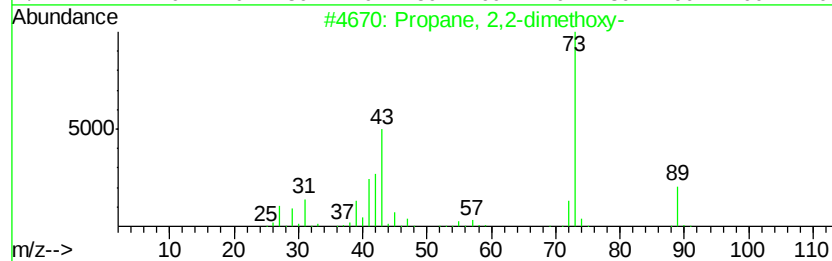
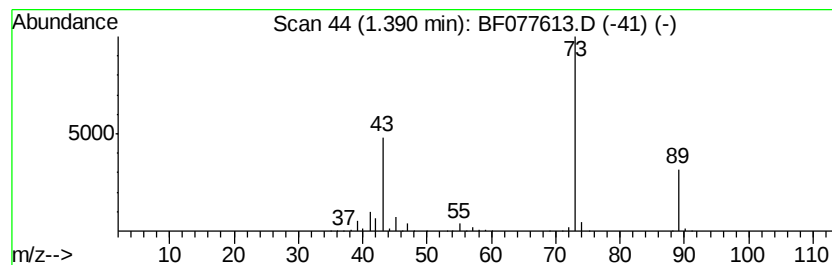
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown1.39 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.39	162.89 ng	4987200	1,4-Dichlorobenzene-d4	7.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	38
2		2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	9
3		Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9
4		N-Ethylformamide	73	C3H7NO	000627-45-2	5
5		1,3,5-Trioxane	90	C3H6O3	000110-88-3	4



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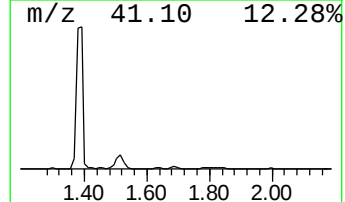
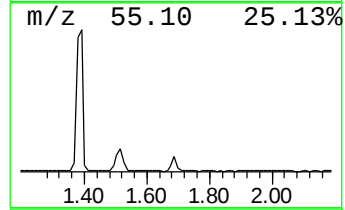
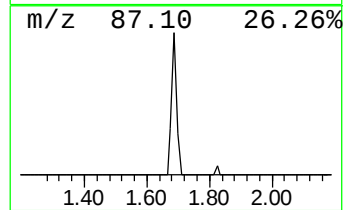
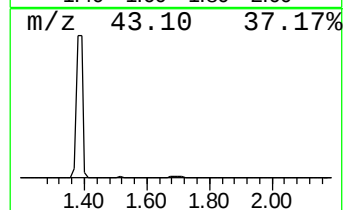
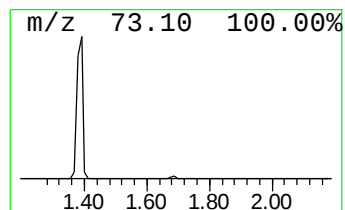
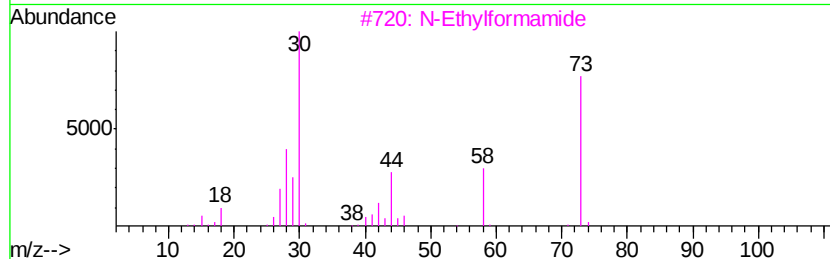
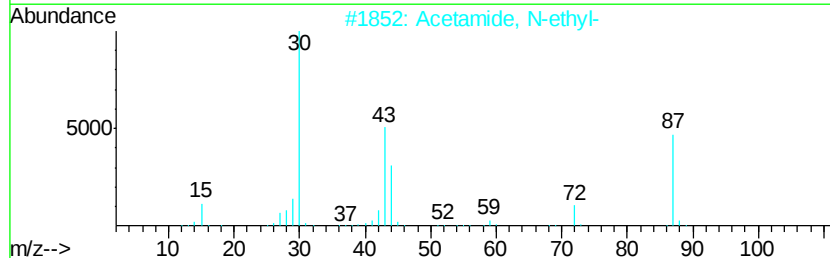
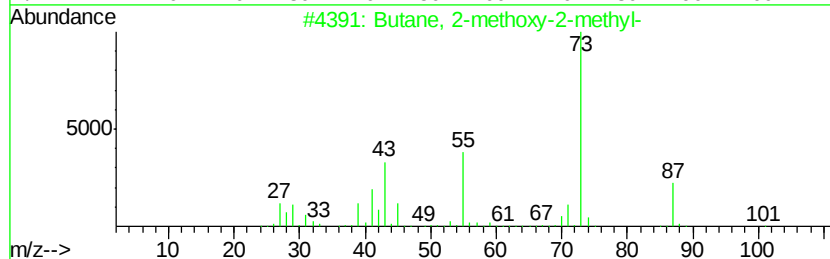
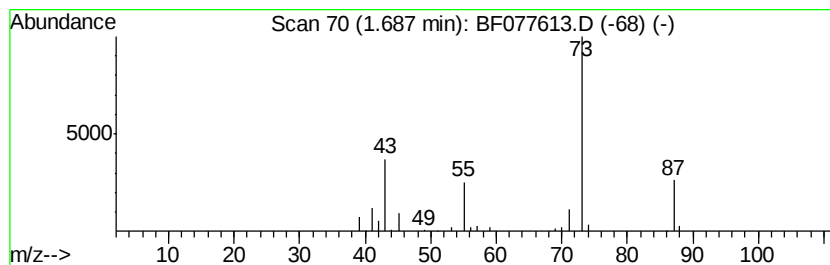
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Butane, 2-methoxy-2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.69	2.72 ng	83358	1,4-Dichlorobenzene-d4	7.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2		Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	16
3		N-Ethylformamide	73	C3H7NO	000627-45-2	9
4		2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	9
5		Silane, tetramethyl-	88	C4H12Si	000075-76-3	9



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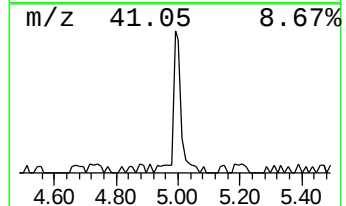
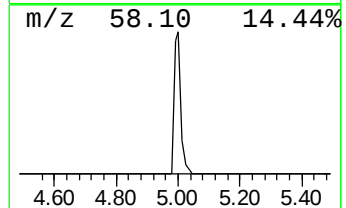
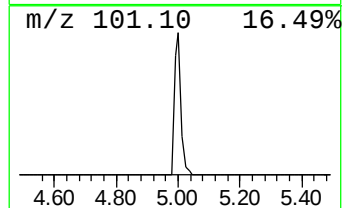
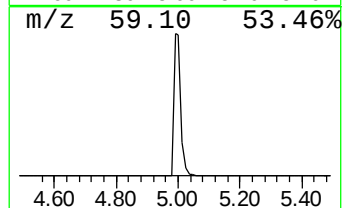
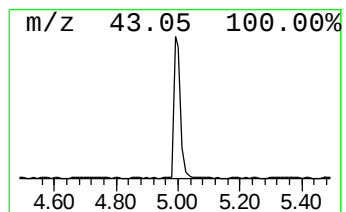
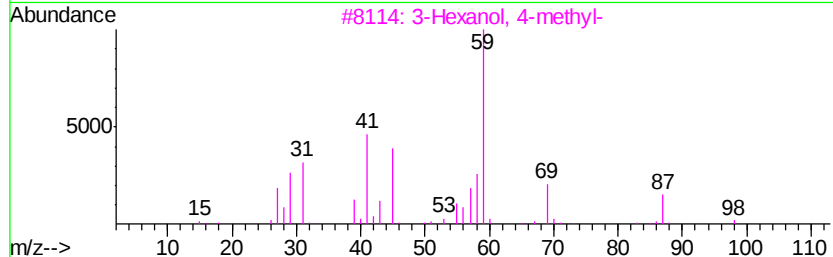
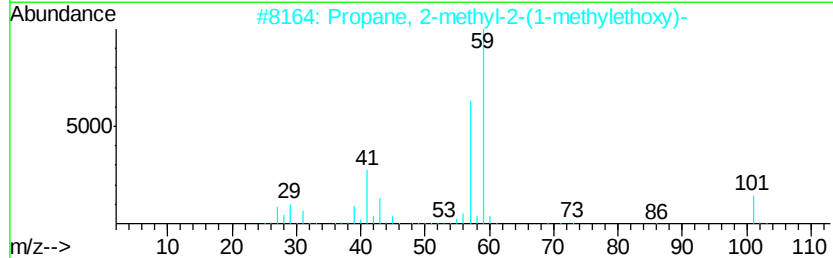
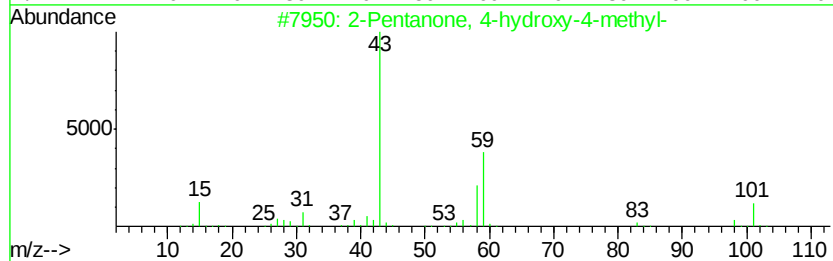
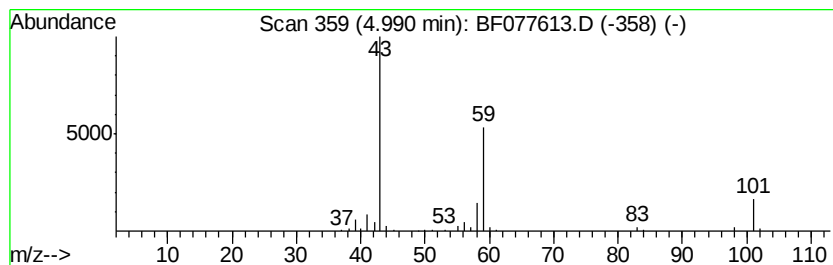
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.99	8.79 ng	269189	1,4-Dichlorobenzene-d4	7.22

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2		Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	33
3		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	27
5		2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	25



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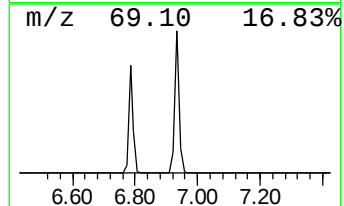
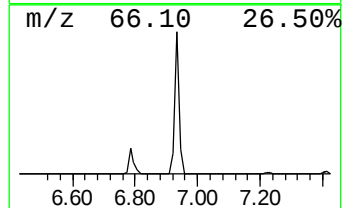
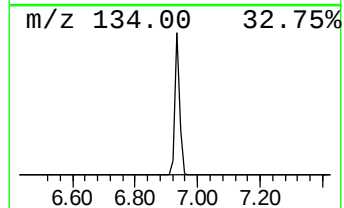
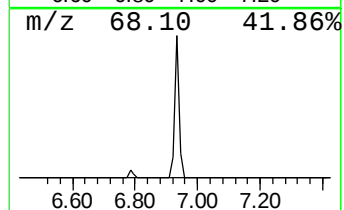
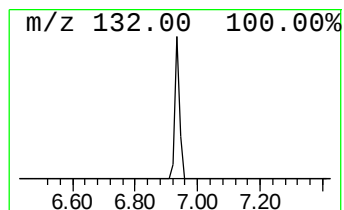
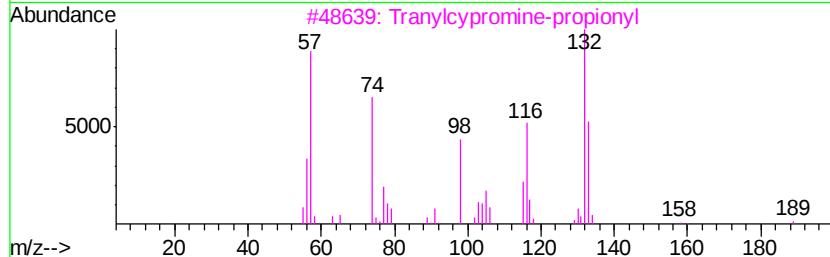
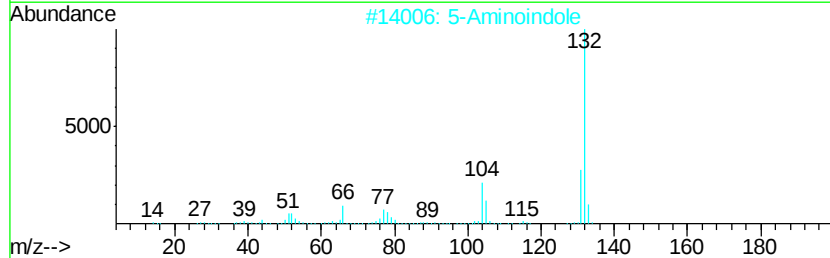
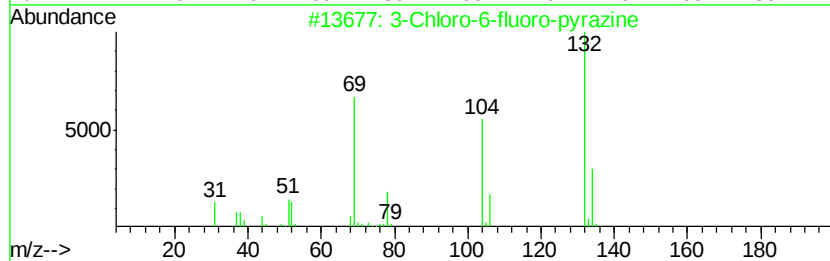
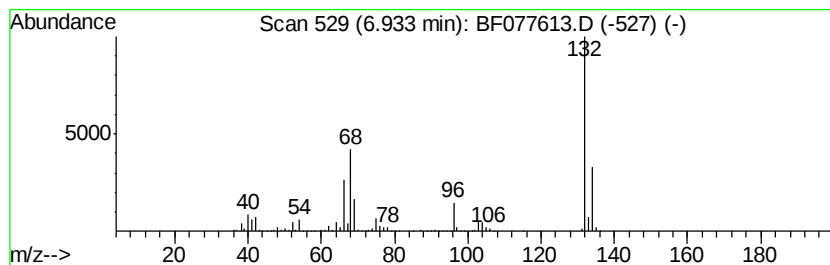
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown6.93 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.93	47.90 ng	1466540	1,4-Dichlorobenzene-d4	7.22

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2			5-Aminoindole	132	C8H8N2	005192-03-0	12
3			Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	10
4			Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5			1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030415\
Data File : BF077613.D
Acq On : 5 Mar 2015 8:47
Operator : TP/IZ
Sample : G1332-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SA-2

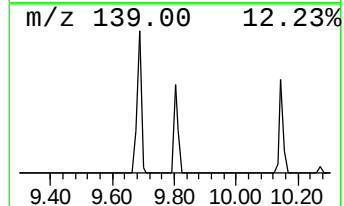
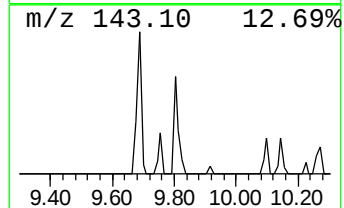
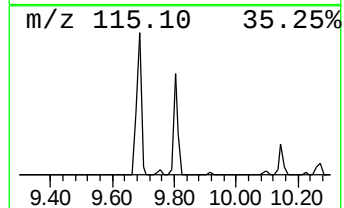
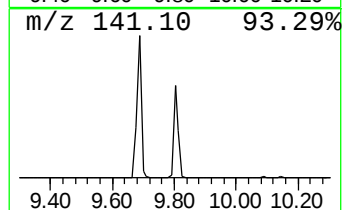
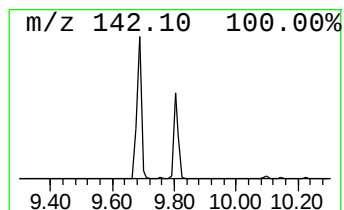
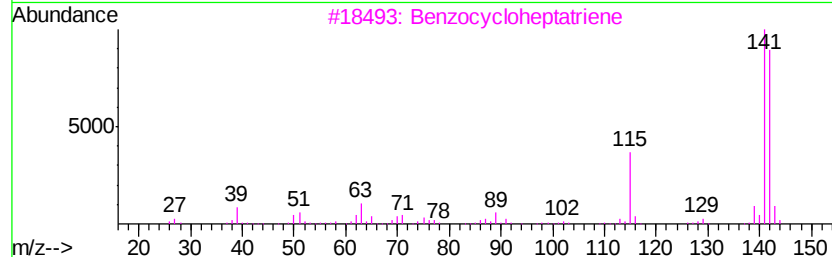
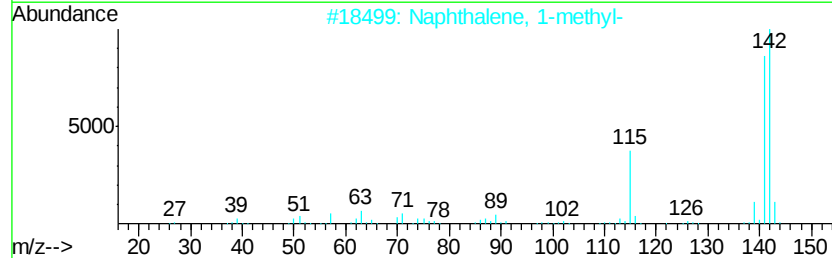
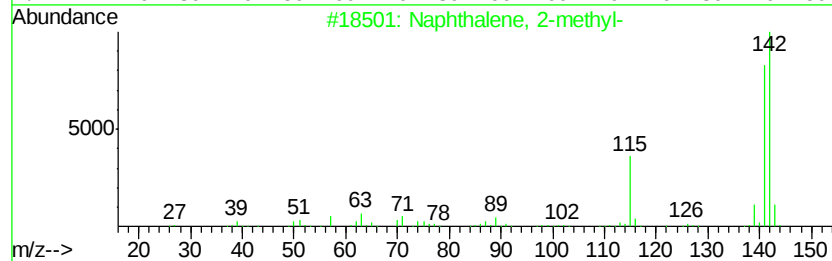
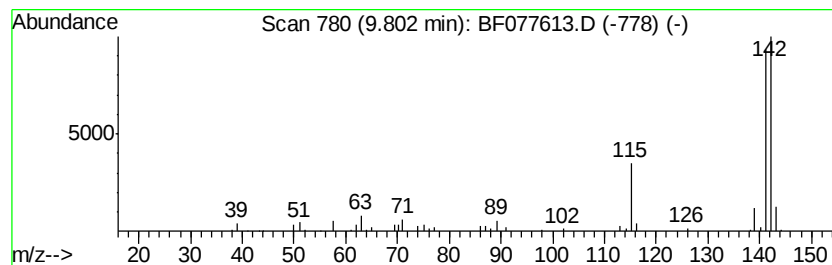
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.80	2.95 ng	139776	Naphthalene-d8	8.80

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3		Benzocycloheptatriene	142	C11H10	000264-09-5	91
4		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91
5		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030415\
Data File : BF077613.D
Acq On : 5 Mar 2015 8:47
Operator : TP/IZ
Sample : G1332-05
Misc :
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Instrument :
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ClientSampleId :
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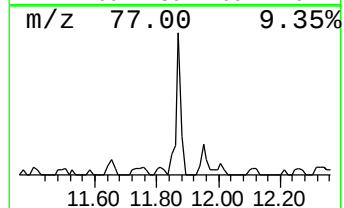
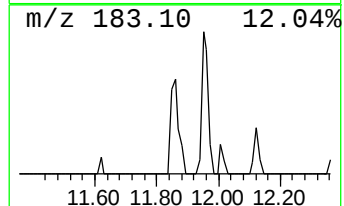
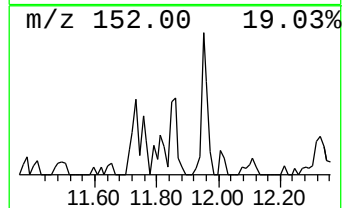
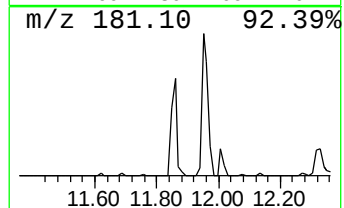
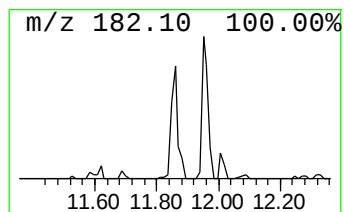
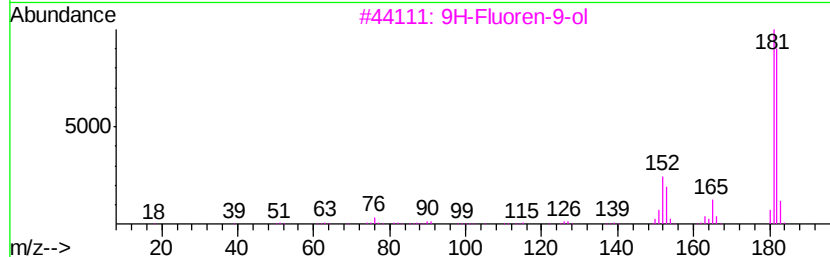
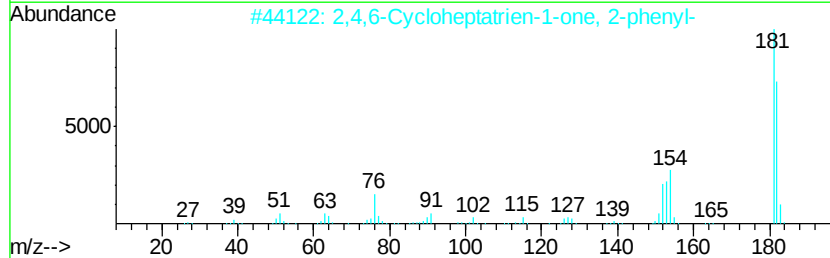
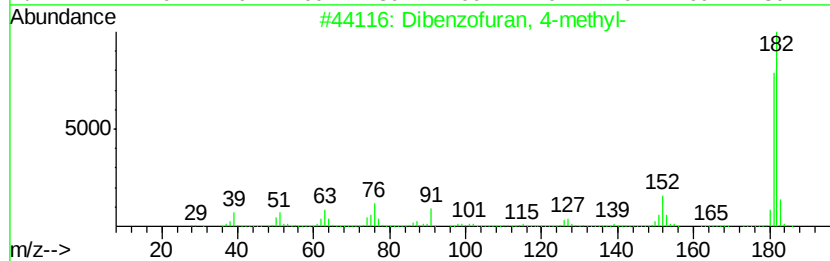
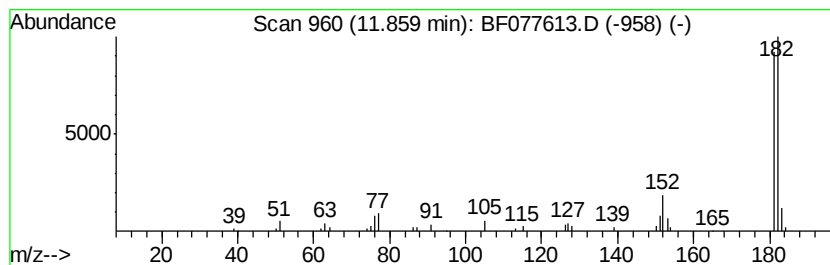
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Dibenzofuran, 4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	2.41 ng	124329	Acenaphthene-d10	10.97

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2			2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3			9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
4			[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	80
5			Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030415\
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Operator : TP/IZ
Sample : G1332-05
Misc :
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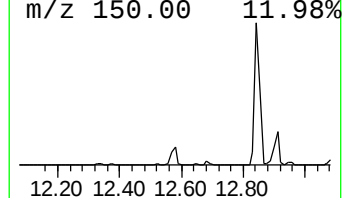
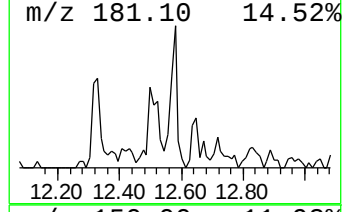
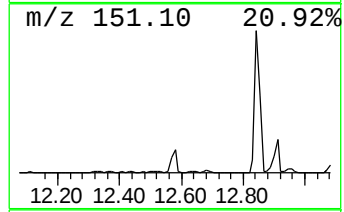
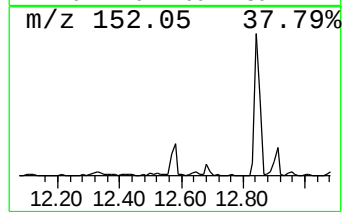
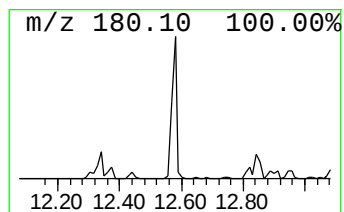
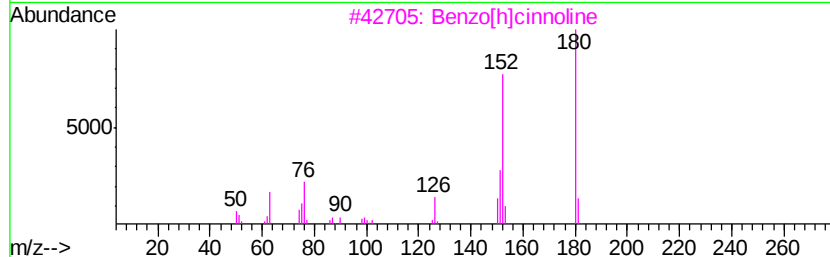
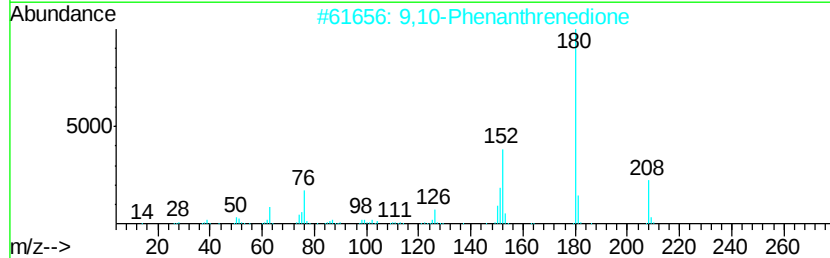
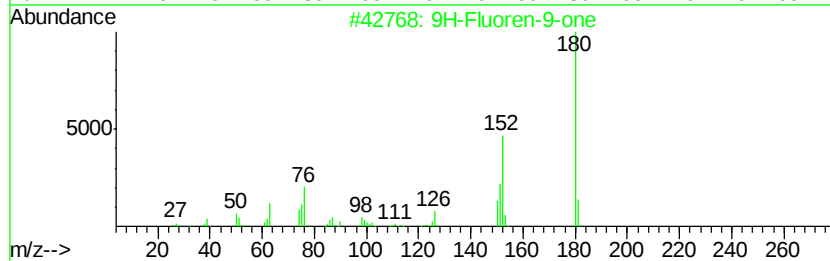
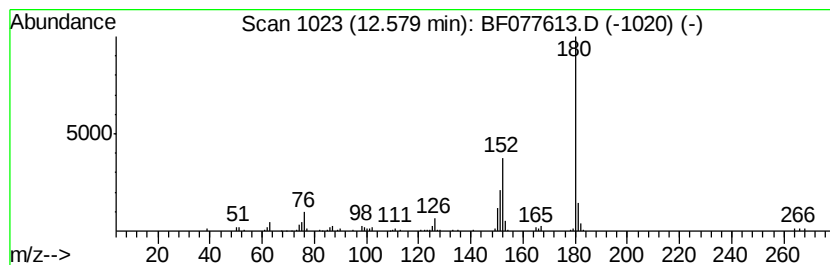
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 9H-Fluoren-9-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.58	3.01 ng	179674	Phenanthrene-d10	12.82	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	80
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	72
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	59
5	9,9-Bis[4-aminophenylsulfonyl]fl...	476	C25H20N2O4S2	081269-16-1	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030415\
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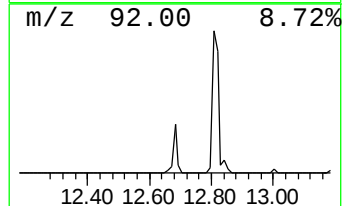
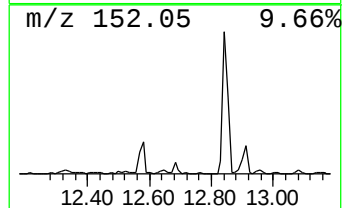
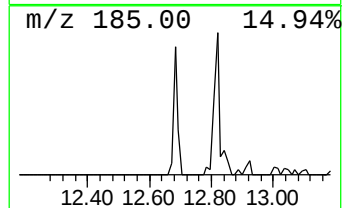
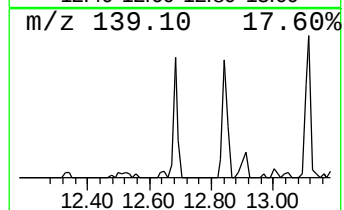
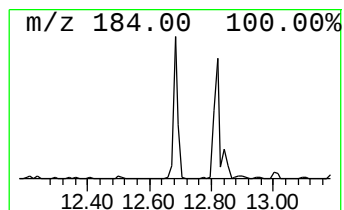
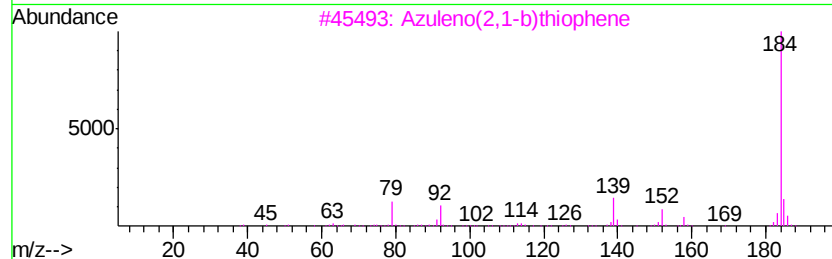
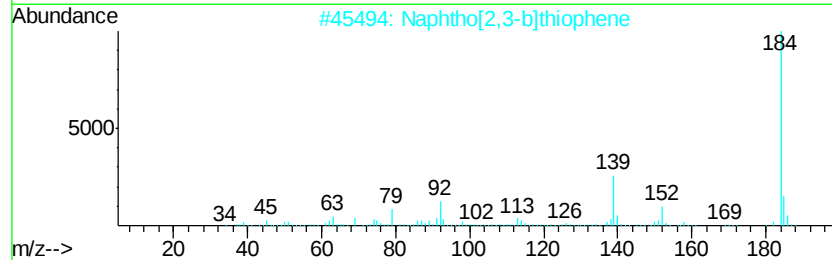
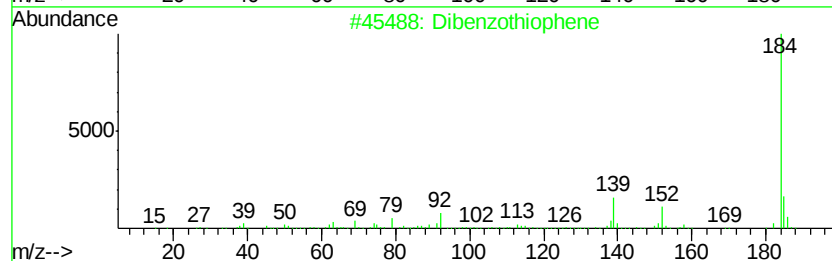
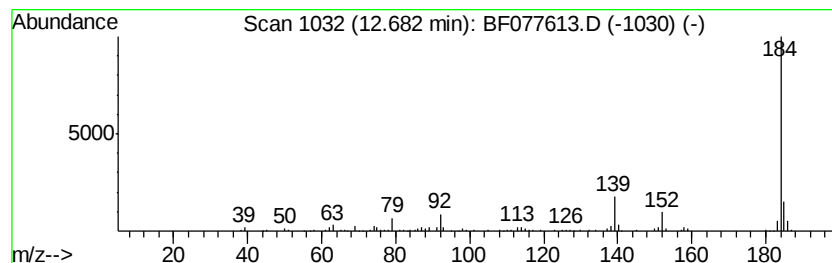
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Dibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.68	2.93 ng	174997	Phenanthrene-d10		12.82	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dibenzothiophene	184	C12H8S	000132-65-0	97
2		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4		1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72
5		2-Dibenzofuranol	184	C12H8O2	000086-77-1	45



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030415\
Data File : BF077613.D
Acq On : 5 Mar 2015 8:47
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Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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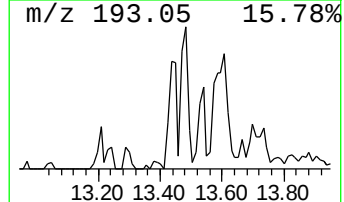
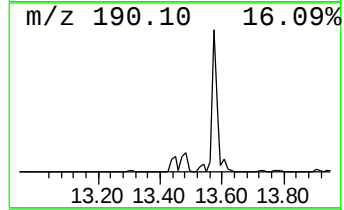
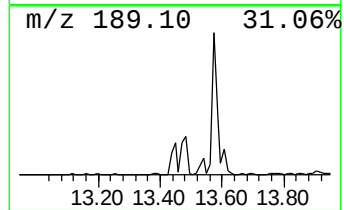
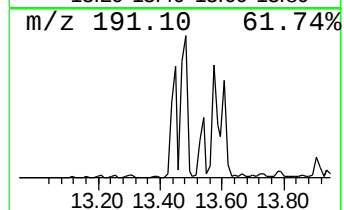
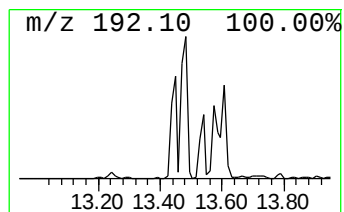
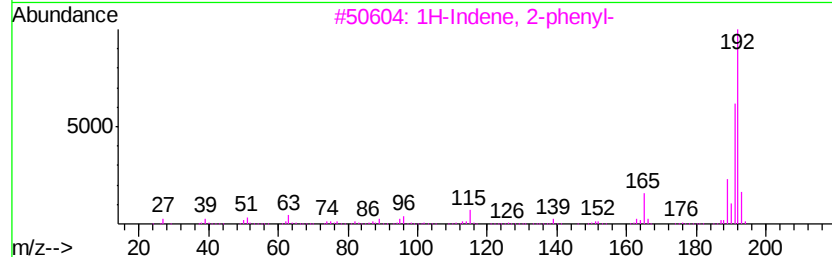
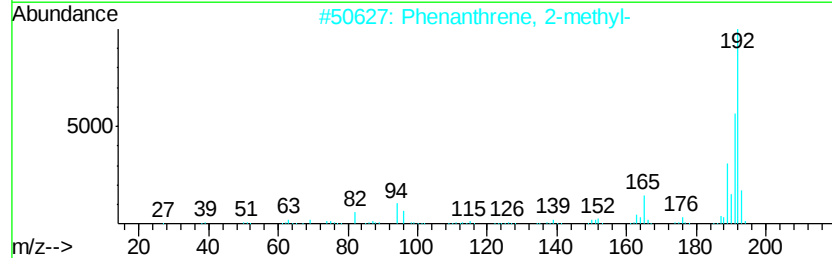
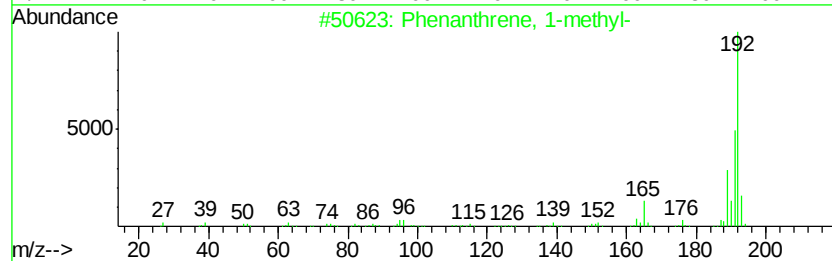
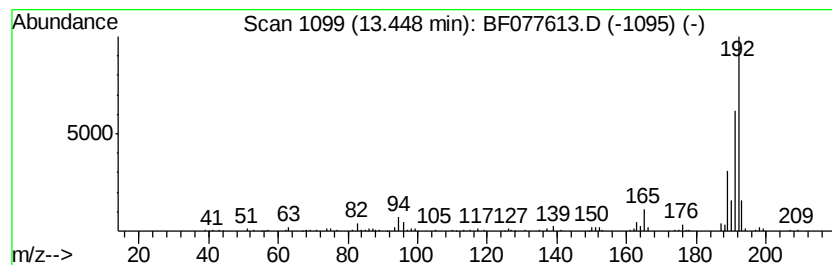
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	3.68 ng	220132	Phenanthrene-d10	12.82

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
4			1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	94
5			Anthracene, 1-methyl-	192	C15H12	000610-48-0	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030415\
Data File : BF077613.D
Acq On : 5 Mar 2015 8:47
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ClientSampleId :
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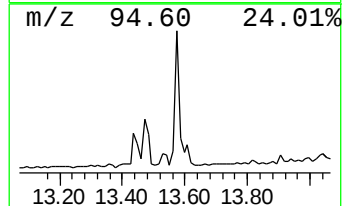
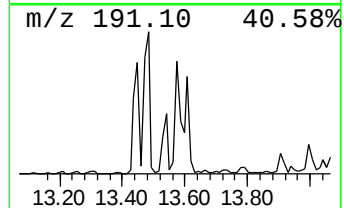
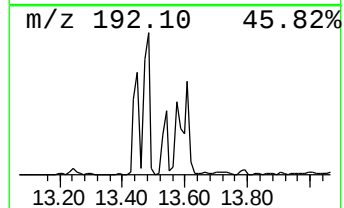
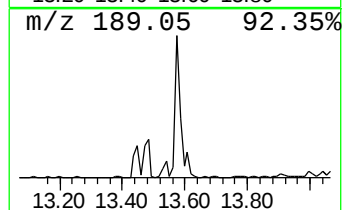
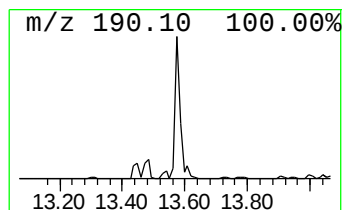
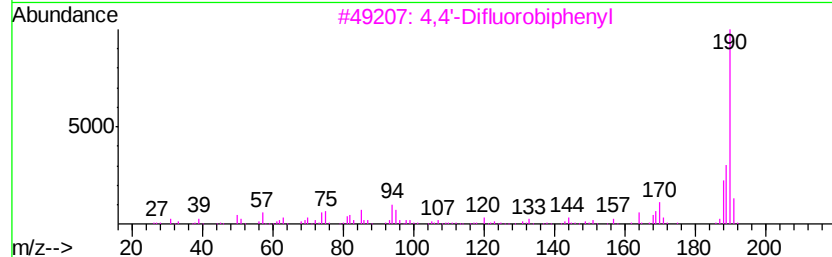
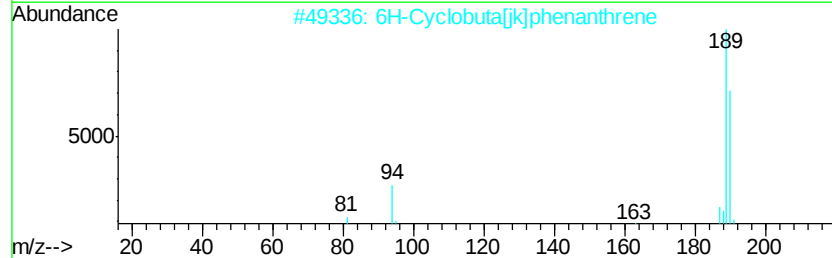
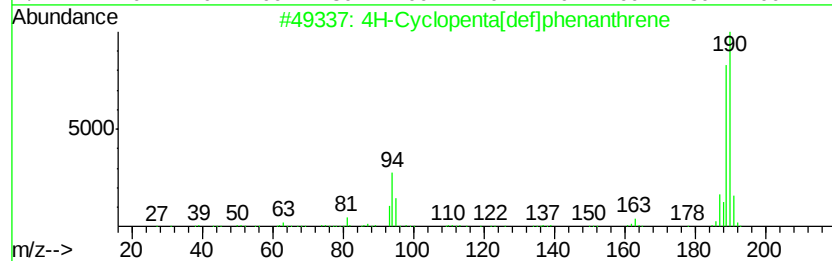
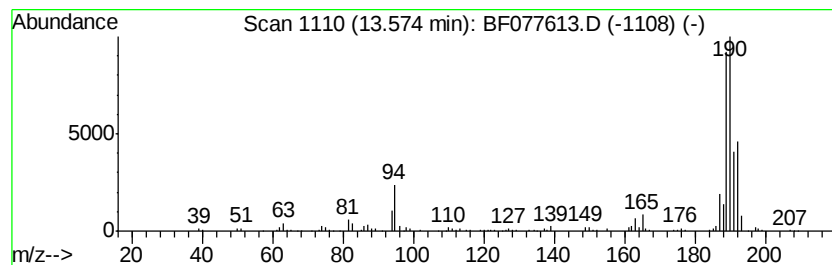
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.57	6.23 ng	371903	Phenanthrene-d10	12.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2		6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	42
3		4,4'-Difluorobiphenyl	190	C12H8F2	000398-23-2	23
4		1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17
5		2-Naphthaldehyde, 1,2,3,4-tetra...	190	C12H14O2	002472-02-8	11



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030415\
Data File : BF077613.D
Acq On : 5 Mar 2015 8:47
Operator : TP/IZ
Sample : G1332-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

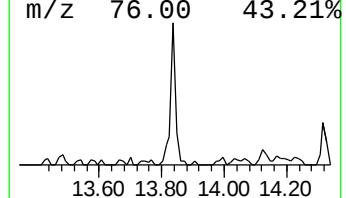
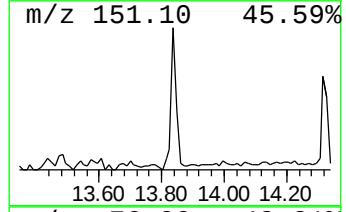
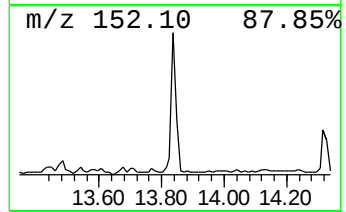
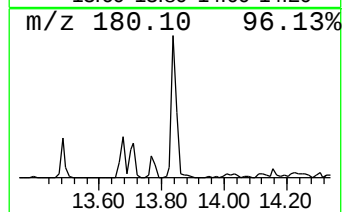
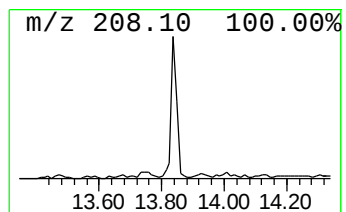
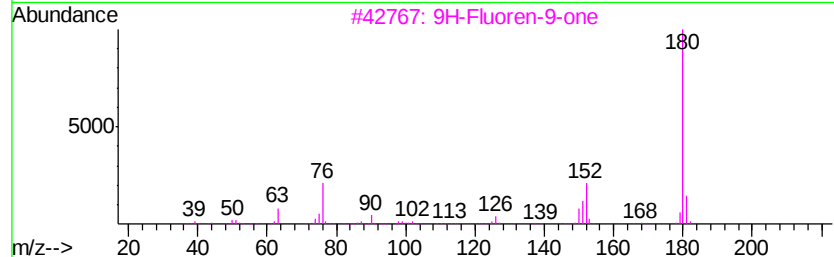
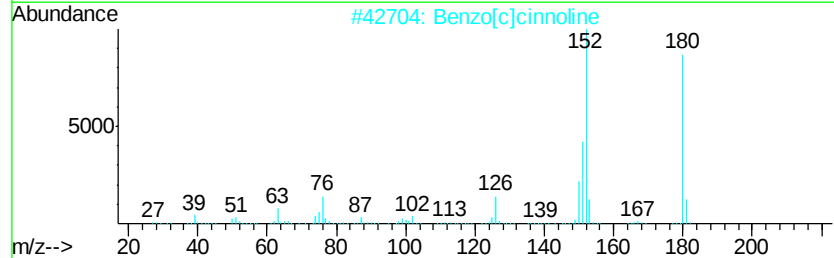
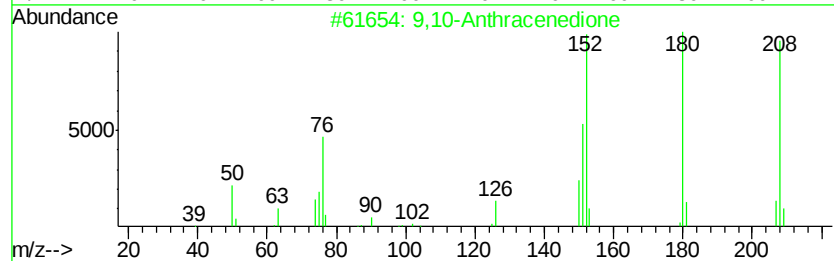
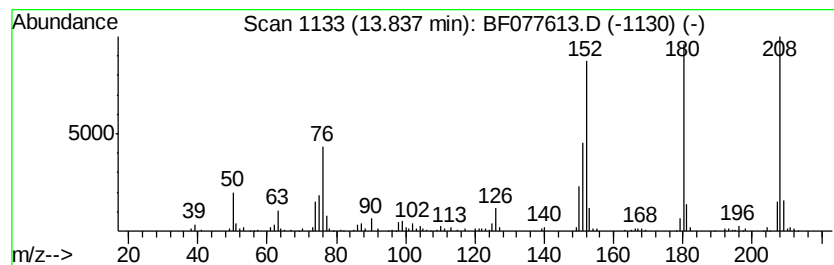
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BNA_F
ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.		
13.84	5.72 ng	341890	Phenanthrene-d10		12.82		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
3			9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
4			1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5			Benzo[h]cinnoline	180	C12H8N2	000230-31-9	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030415\
Data File : BF077613.D
Acq On : 5 Mar 2015 8:47
Operator : TP/IZ
Sample : G1332-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SA-2

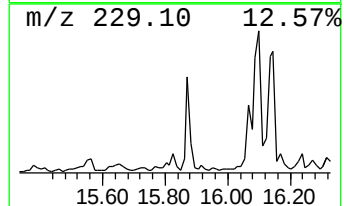
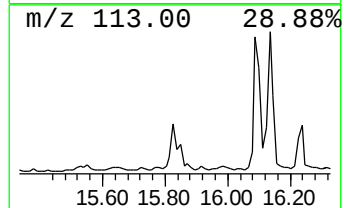
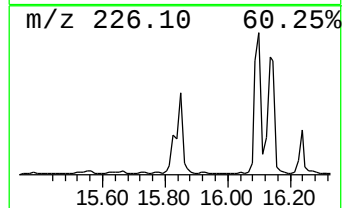
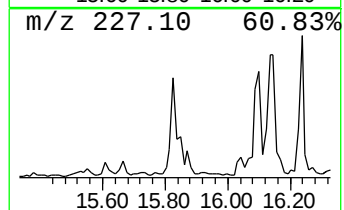
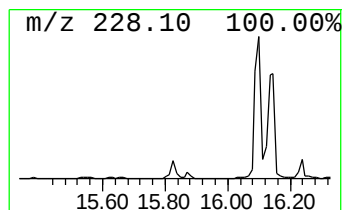
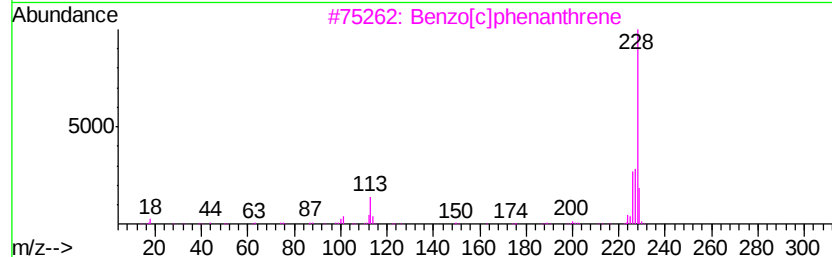
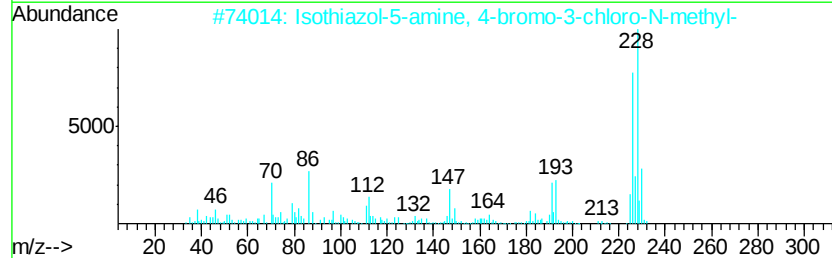
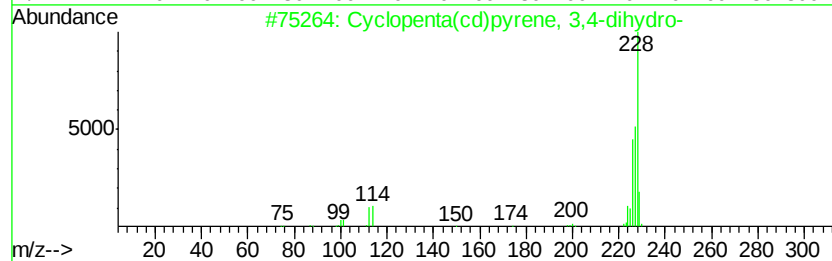
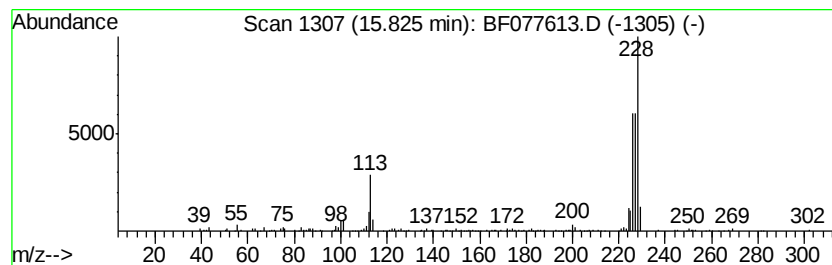
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.83	2.43 ng	304639	Chrysene-d12	16.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	60
2		Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	58
3		Benzo[c]phenanthrene	228	C18H12	000195-19-7	47
4		Triphenylene	228	C18H12	000217-59-4	43
5		Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030415\
Data File : BF077613.D
Acq On : 5 Mar 2015 8:47
Operator : TP/IZ
Sample : G1332-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SA-2

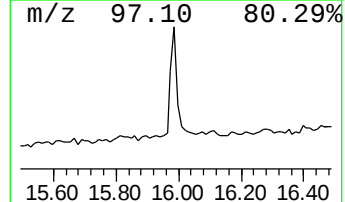
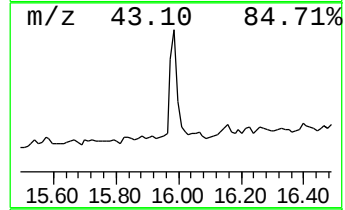
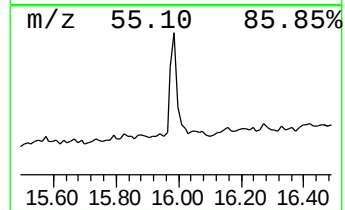
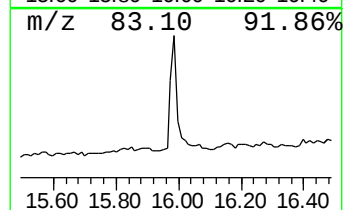
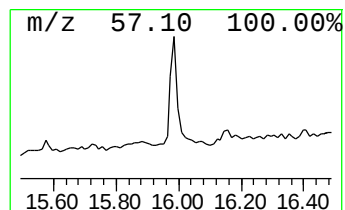
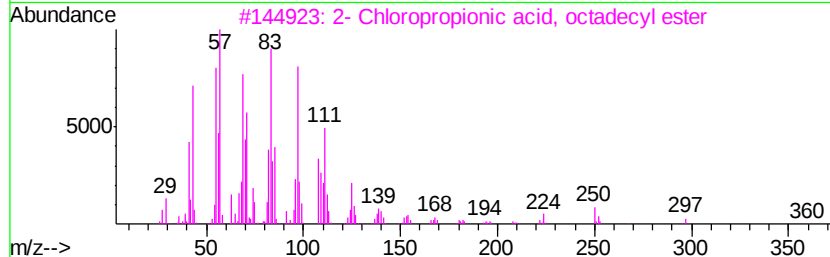
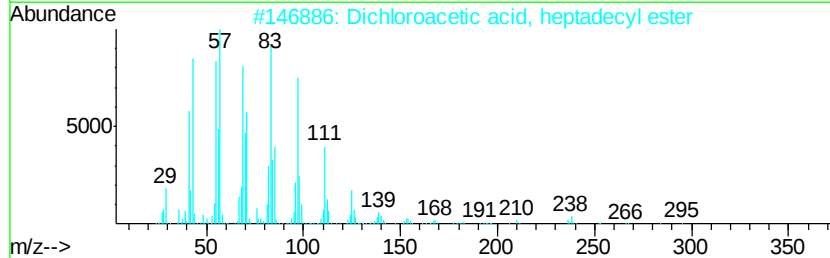
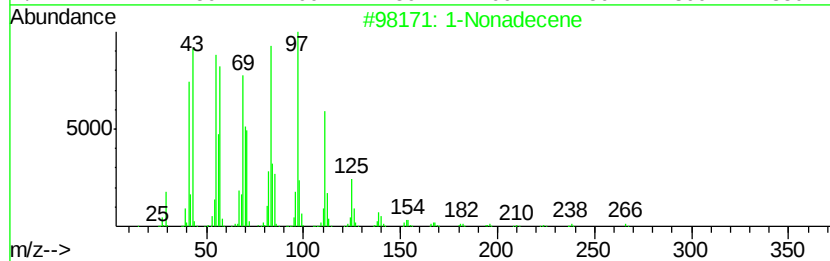
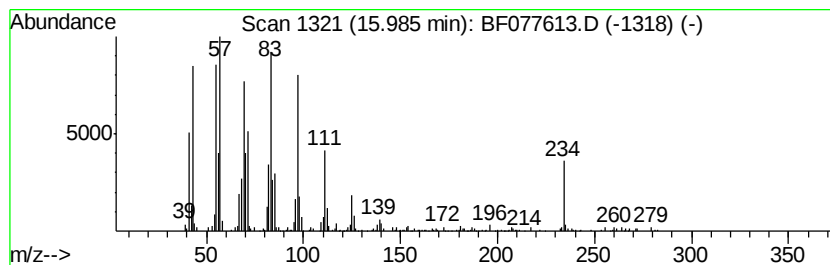
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 1-Nonadecene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	3.45 ng	432982	Chrysene-d12	16.11

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Nonadecene	266	C19H38	018435-45-5	99
2			Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	94
3			2- Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	94
4			Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	94
5			3-Eicosene, (E)-	280	C20H40	074685-33-9	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030415\
Data File : BF077613.D
Acq On : 5 Mar 2015 8:47
Operator : TP/IZ
Sample : G1332-05
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SA-2

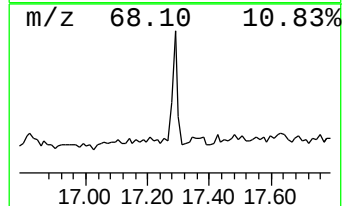
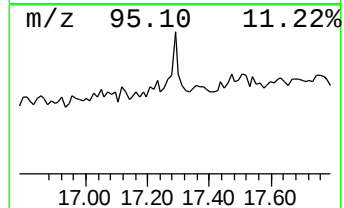
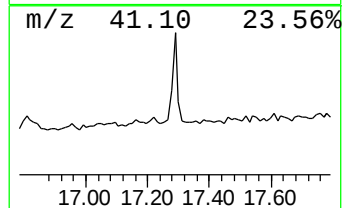
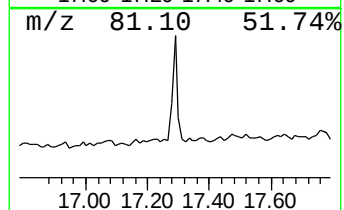
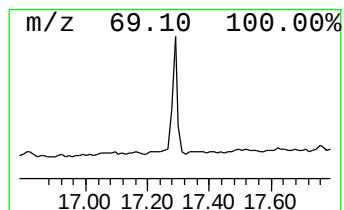
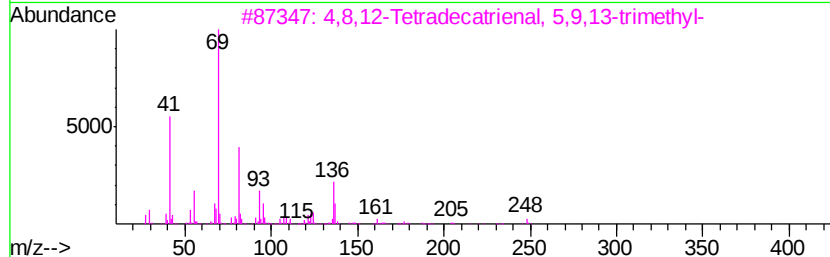
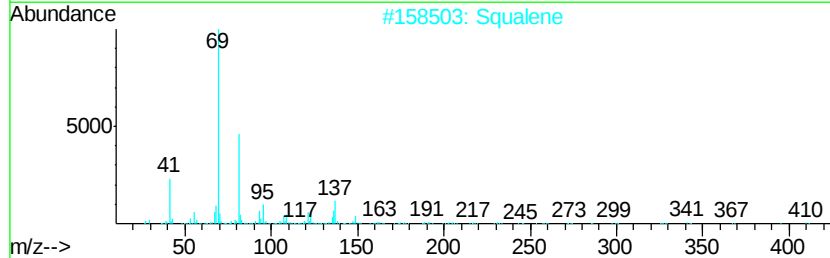
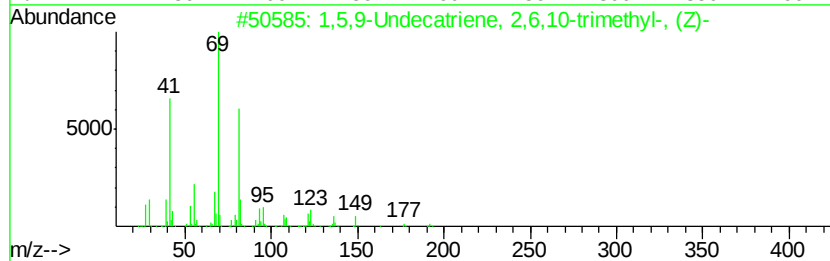
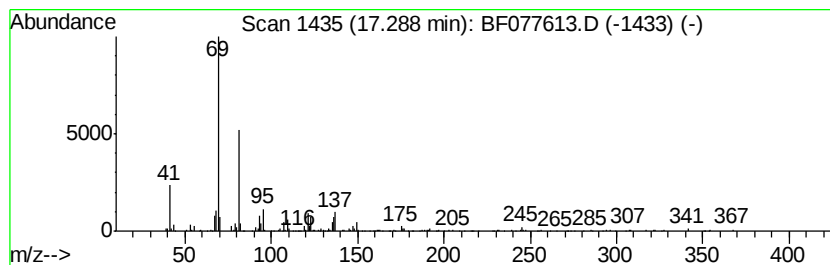
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 1,5,9-Undecatriene, 2,6,10-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.29	2.90 ng	197412	Perylene-d12	17.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,5,9-Undecatriene, 2,6,10-trime...	192	C14H24	062951-96-6	87
2			Squalene	410	C30H50	007683-64-9	80
3			4,8,12-Tetradecatrienal, 5,9,13-...	248	C17H28O	066408-55-7	72
4			2,6,10-Dodecatrien-1-ol, 3,7,11-...	264	C17H28O2	004128-17-0	64
5			1,5,9-Decatriene, 2,3,5,8-tetram...	192	C14H24	230646-72-7	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF030415\
Data File : BF077613.D
Acq On : 5 Mar 2015 8:47
Operator : TP/IZ
Sample : G1332-05
Misc :
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Instrument :
BNA_F
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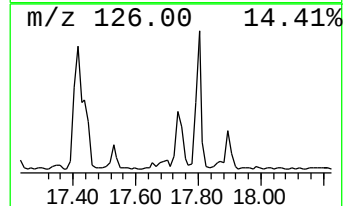
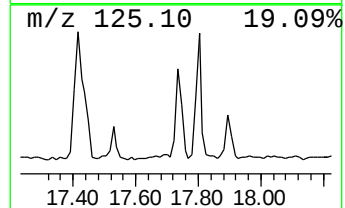
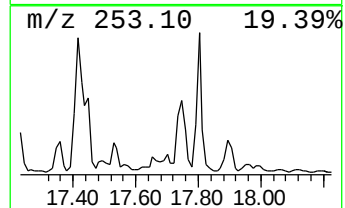
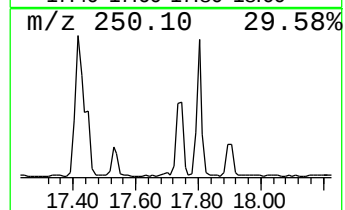
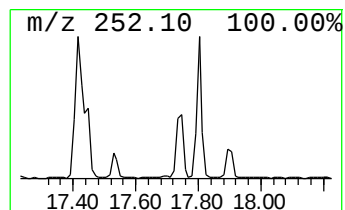
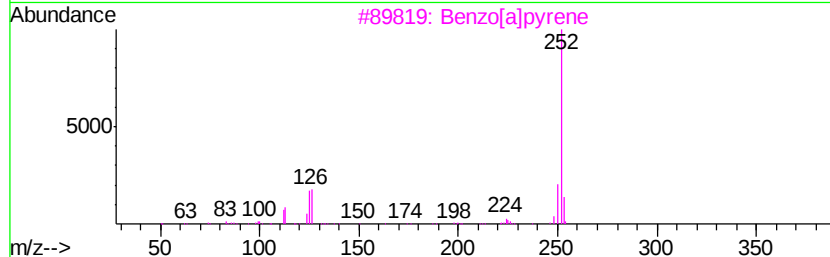
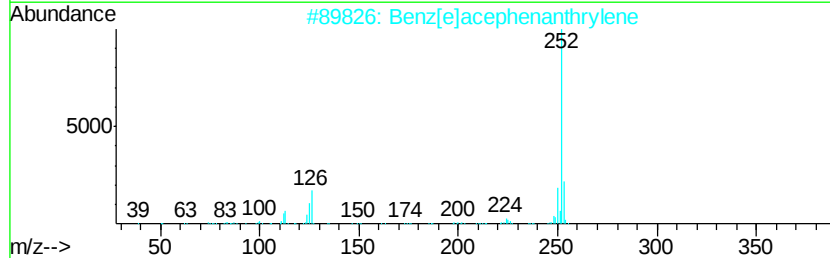
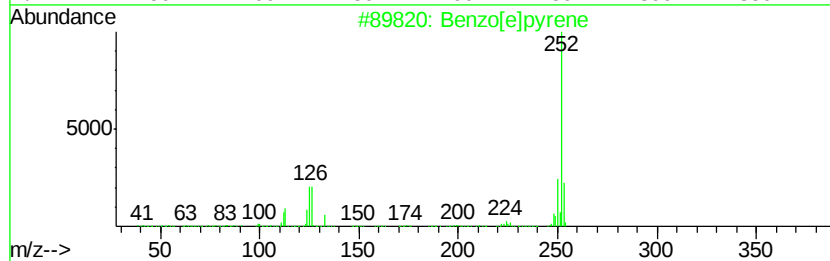
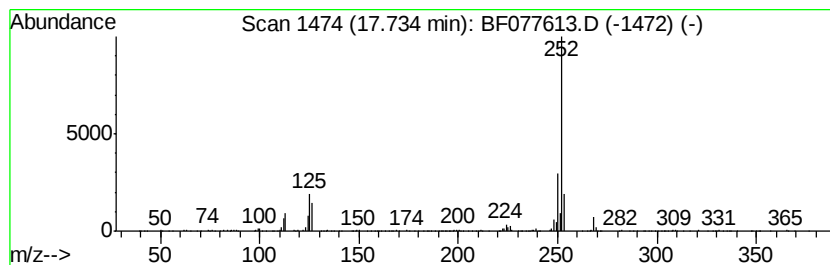
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.73	7.22 ng	490765	Perylene-d12	17.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]bpvrene	252	C20H12	000192-97-2	98
2		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	96
3		Benzo[a]bpvrene	252	C20H12	000050-32-8	95
4		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5		Perylene	252	C20H12	000198-55-0	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030415\
 Data File : BF077613.D
 Acq On : 5 Mar 2015 8:47
 Operator : TP/IZ
 Sample : G1332-05
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SA-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.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
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Butane, 2-methoxy...	1.69	2.7	ng	83358	1	7.22	612358	20.0
2-Pentanone, 4-hy...	4.99	8.8	ng	269189	1	7.22	612358	20.0
unknown6.93	6.93	47.9	ng	1466540	1	7.22	612358	20.0
Naphthalene, 2-me...	9.80	3.0	ng	139776	2	8.80	946329	20.0
Dibenzofuran, 4-m...	11.86	2.4	ng	124329	3	10.97	1029680	20.0
9H-Fluoren-9-one	12.58	3.0	ng	179674	4	12.82	1194770	20.0
Dibenzothiophene	12.68	2.9	ng	174997	4	12.82	1194770	20.0
Phenanthrene, 1-m...	13.45	3.7	ng	220132	4	12.82	1194770	20.0
4H-Cyclopenta[def...	13.57	6.2	ng	371903	4	12.82	1194770	20.0
9,10-Anthracenedione	13.84	5.7	ng	341890	4	12.82	1194770	20.0
Cyclopenta(cd)pyr...	15.83	2.4	ng	304639	5	16.11	2507380	20.0
1-Nonadecene	15.99	3.5	ng	432982	5	16.11	2507380	20.0
1,5,9-Undecatrien...	17.29	2.9	ng	197412	6	17.87	1360390	20.0
Benzo[e]pyrene	17.73	7.2	ng	490765	6	17.87	1360390	20.0