

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
 Data File : BF078969.D
 Acq On : 6 May 2015 19:25
 Operator : TP/IZ
 Sample : G2114-05 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID-2(6-12)

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-BF043015.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	1.484	24	26	29	rVB	2511530	2792141	65.85%	7.073%
2	1.633	37	39	48	rVB	138421	236338	5.57%	0.599%
3	1.770	50	51	53	rVV	86890	113411	2.67%	0.287%
4	1.815	53	55	60	rVV	90000	156299	3.69%	0.396%
5	1.895	60	62	101	rVB	2339630	4240111	100.00%	10.741%
6	5.153	345	347	351	rVB	55813	65290	1.54%	0.165%
7	5.644	388	390	393	rBV	720294	695087	16.39%	1.761%
8	6.902	497	500	502	rBV	660564	765018	18.04%	1.938%
9	7.062	511	514	516	rBV	622292	760912	17.95%	1.928%
10	7.347	537	539	542	rBV	469990	416354	9.82%	1.055%
11	7.530	553	555	558	rBV	519810	553626	13.06%	1.402%
12	8.033	597	599	602	rBV	483082	449964	10.61%	1.140%
13	8.925	674	677	679	rBV	694819	610158	14.39%	1.546%
14	10.273	792	795	797	rBV	832533	934741	22.05%	2.368%
15	10.776	836	839	841	rBV	65862	68812	1.62%	0.174%
16	10.925	850	852	855	rBV	81792	79959	1.89%	0.203%
17	11.096	865	867	870	rBV	493602	672876	15.87%	1.705%
18	11.359	887	890	892	rBV	54747	56485	1.33%	0.143%
19	11.782	925	927	929	rBV	90276	83835	1.98%	0.212%
20	11.999	943	946	948	rVB2	169533	193808	4.57%	0.491%
21	12.079	950	953	956	rVB	699472	695731	16.41%	1.762%
22	12.468	984	987	989	rBV2	43530	70217	1.66%	0.178%
23	12.662	998	1004	1005	rBV2	33273	82341	1.94%	0.209%
24	12.708	1005	1008	1011	rVB3	36090	57388	1.35%	0.145%
25	12.776	1011	1014	1016	rBV2	50800	83797	1.98%	0.212%
26	12.822	1016	1018	1026	rVB	46170	84523	1.99%	0.214%
27	12.948	1026	1029	1030	rBV	805555	765011	18.04%	1.938%
28	12.982	1030	1032	1034	rVB	691457	794175	18.73%	2.012%
29	13.039	1034	1037	1039	rVB	258328	254454	6.00%	0.645%
30	13.097	1039	1042	1044	rBV	36455	47466	1.12%	0.120%
31	13.245	1053	1055	1057	rBV	61144	71265	1.68%	0.181%
32	13.359	1064	1065	1067	rVB	60155	68604	1.62%	0.174%
33	13.577	1082	1084	1086	rBV	292086	326206	7.69%	0.826%
34	13.611	1086	1087	1089	rVB	388430	343403	8.10%	0.870%

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.668	1089	1092	1094	rBV	147841	164436	3.88%	0.417%
36	13.714	1094	1096	1097	rVV	412688	465896	10.99%	1.180%
37	13.748	1097	1099	1101	rVB	187619	251270	5.93%	0.637%
38	13.828	1102	1106	1108	rBV3	24595	48880	1.15%	0.124%
39	13.874	1108	1110	1112	rVB	50363	54995	1.30%	0.139%
40	13.954	1112	1117	1122	rBV3	148805	331053	7.81%	0.839%
41	14.045	1123	1125	1127	rBV	51954	49707	1.17%	0.126%
42	14.137	1129	1133	1135	rBV2	121173	177819	4.19%	0.450%
43	14.171	1135	1136	1138	rBV	80921	88102	2.08%	0.223%
44	14.205	1138	1139	1140	rVB	77298	52988	1.25%	0.134%
45	14.262	1140	1144	1146	rBV	261848	370794	8.74%	0.939%
46	14.308	1146	1148	1152	rVV	172482	297631	7.02%	0.754%
47	14.365	1152	1153	1156	rVB3	155827	238304	5.62%	0.604%
48	14.457	1159	1161	1164	rBV	1429255	1511289	35.64%	3.828%
49	14.537	1166	1168	1170	rBV3	91864	138136	3.26%	0.350%
50	14.640	1174	1177	1179	rBV3	77813	168545	3.98%	0.427%
51	14.742	1181	1186	1188	rBV	1656149	1974737	46.57%	5.002%
52	14.811	1188	1192	1196	rVB2	261895	521060	12.29%	1.320%
53	14.902	1198	1200	1201	rBV	82075	120378	2.84%	0.305%
54	14.948	1201	1204	1206	rVB	974488	1220594	28.79%	3.092%
55	15.017	1206	1210	1213	rBV2	143137	221218	5.22%	0.560%
56	15.131	1217	1220	1221	rBV2	118705	218070	5.14%	0.552%
57	15.154	1221	1222	1224	rVB	271369	264144	6.23%	0.669%
58	15.211	1224	1227	1228	rBV2	35268	62804	1.48%	0.159%
59	15.245	1228	1230	1231	rBV	153974	171561	4.05%	0.435%
60	15.280	1231	1233	1235	rBV	275747	308286	7.27%	0.781%
61	15.325	1235	1237	1238	rVB	43522	50895	1.20%	0.129%
62	15.394	1241	1243	1245	rBV	184698	203420	4.80%	0.515%
63	15.440	1245	1247	1249	rVB	157212	194308	4.58%	0.492%
64	15.542	1253	1256	1258	rBV2	45568	110008	2.59%	0.279%
65	15.634	1262	1264	1265	rBV2	43072	83328	1.97%	0.211%
66	15.691	1265	1269	1274	rVB3	46888	134921	3.18%	0.342%
67	15.782	1274	1277	1281	rBV2	157550	250395	5.91%	0.634%
68	15.862	1281	1284	1286	rVB2	34506	77906	1.84%	0.197%
69	15.920	1286	1289	1292	rBV2	164163	329437	7.77%	0.835%
70	15.965	1292	1293	1296	rVB2	145548	171037	4.03%	0.433%
71	16.011	1296	1297	1299	rBV2	46778	53316	1.26%	0.135%

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72	16.045	1299	1300	1303	rVB	145681	173806	4.10%	0.440%
73	16.114	1303	1306	1312	rBV5	149725	361860	8.53%	0.917%
74	16.240	1312	1317	1319	rBV2	1206870	2312460	54.54%	5.858%
75	16.274	1319	1320	1325	rVB	884624	912741	21.53%	2.312%
76	16.377	1325	1329	1330	rBV2	102195	200974	4.74%	0.509%
77	16.423	1330	1333	1334	rBV3	25819	63305	1.49%	0.160%
78	16.537	1341	1343	1345	rBV	52683	56437	1.33%	0.143%
79	16.571	1345	1346	1348	rVB	56951	47364	1.12%	0.120%
80	16.651	1351	1353	1355	rBV3	56804	103076	2.43%	0.261%
81	16.697	1355	1357	1358	rBV	75994	94668	2.23%	0.240%
82	16.743	1358	1361	1363	rBV	279344	346952	8.18%	0.879%
83	16.777	1363	1364	1367	rVB	103244	140400	3.31%	0.356%
84	16.834	1367	1369	1370	rBV2	46452	65408	1.54%	0.166%
85	16.857	1370	1371	1373	rVB	100921	93991	2.22%	0.238%
86	16.891	1373	1374	1376	rBV2	73985	131885	3.11%	0.334%
87	17.005	1382	1384	1386	rVB2	48355	54698	1.29%	0.139%
88	17.131	1392	1395	1396	rBV	69141	91901	2.17%	0.233%
89	17.280	1406	1408	1410	rVB	53932	62712	1.48%	0.159%
90	17.325	1410	1412	1413	rBV2	72260	84033	1.98%	0.213%
91	17.531	1427	1430	1435	rBV	668048	1535875	36.22%	3.891%
92	17.646	1439	1440	1442	rVB	137611	140549	3.31%	0.356%
93	17.691	1442	1444	1447	rBV4	32619	69811	1.65%	0.177%
94	17.851	1456	1458	1461	rVB	469428	553856	13.06%	1.403%
95	17.920	1461	1464	1466	rVB	513785	767311	18.10%	1.944%
96	17.988	1467	1470	1471	rBV	624108	968253	22.84%	2.453%
97	19.314	1583	1586	1589	rVB2	61198	131073	3.09%	0.332%
98	19.474	1597	1600	1606	rVB2	233310	555402	13.10%	1.407%
99	19.669	1615	1617	1620	rBV	44844	78336	1.85%	0.198%
100	19.920	1636	1639	1643	rBV	208804	435813	10.28%	1.104%

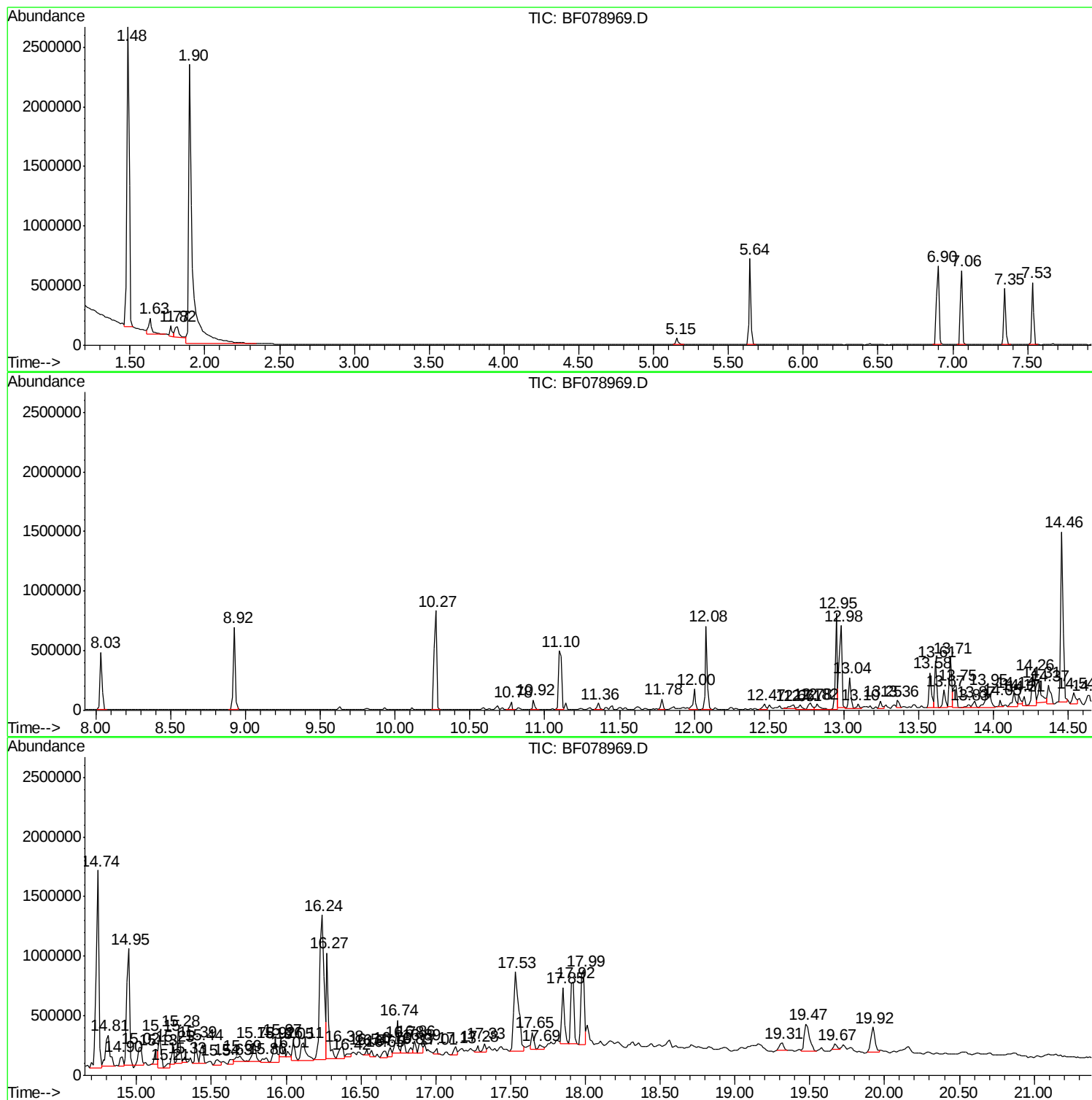
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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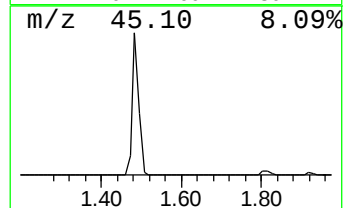
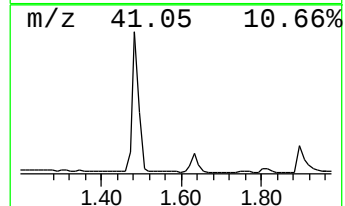
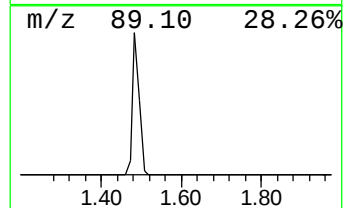
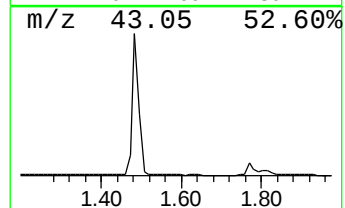
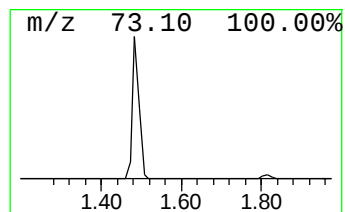
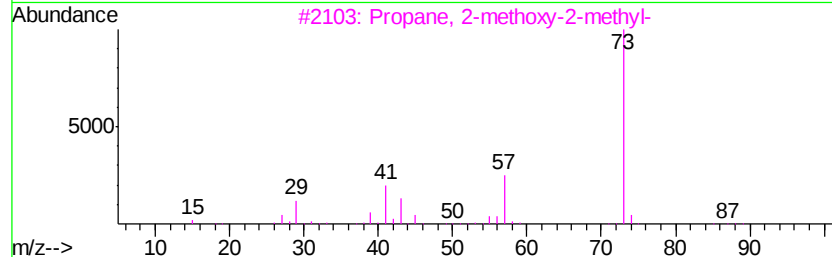
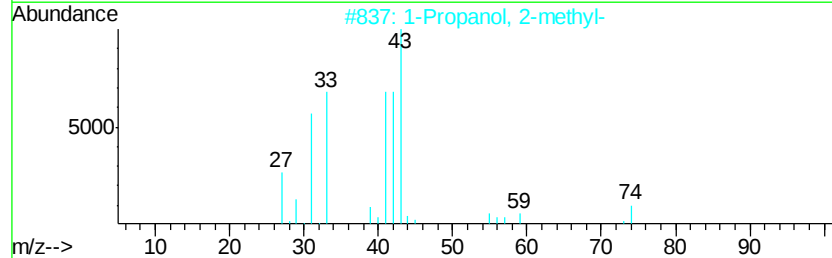
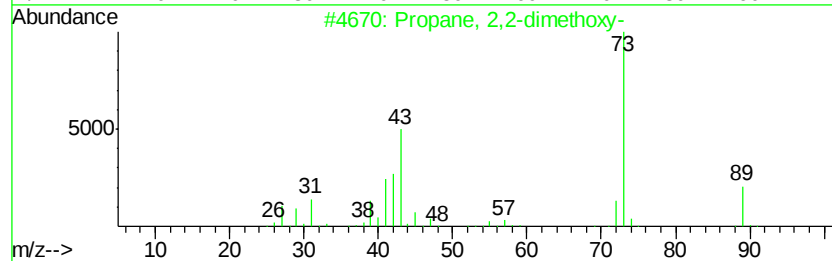
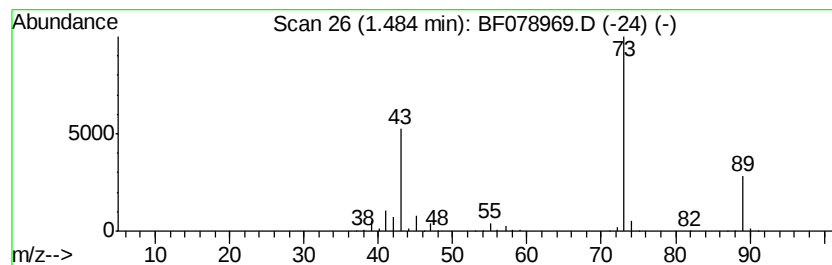
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Propane, 2,2-dimethoxy- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.48	134.12 ng	2792140	1,4-Dichlorobenzene-d4	7.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	72
2		1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	9
3		Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9
4		1-Hexen-4-ol, 1-chloro-3,5-dimet...	162	C8H15ClO	100244-09-5	9
5		2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	9



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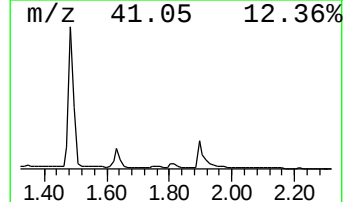
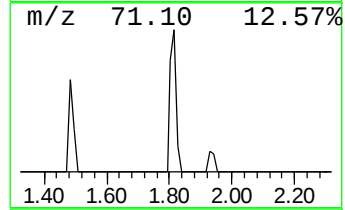
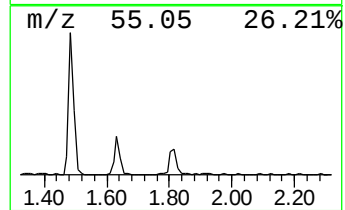
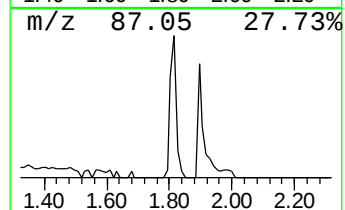
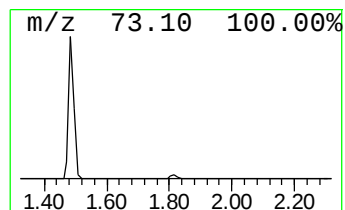
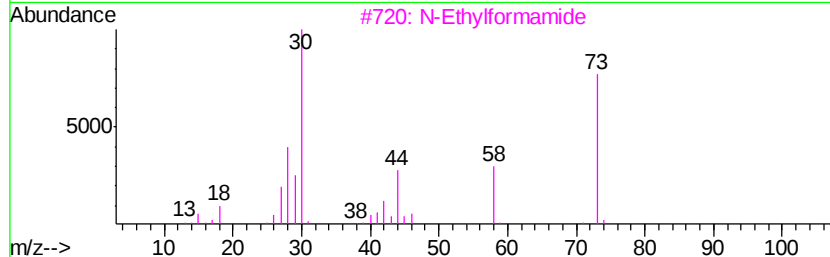
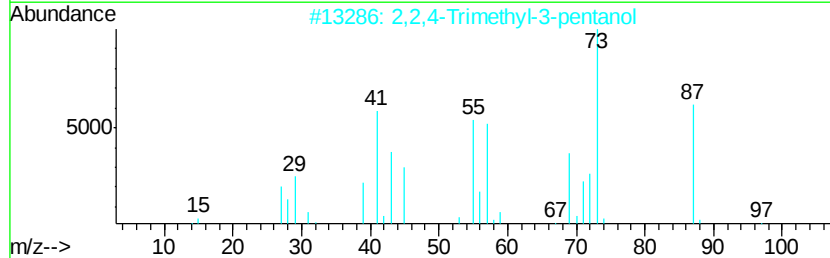
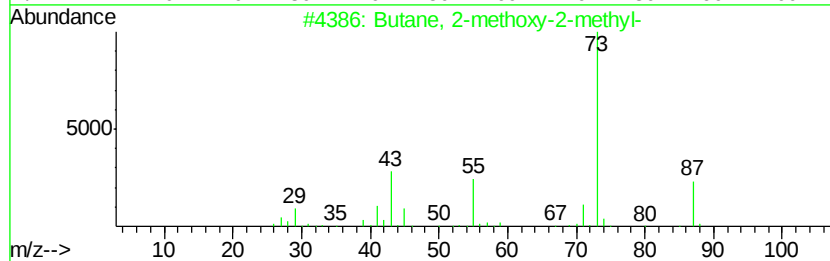
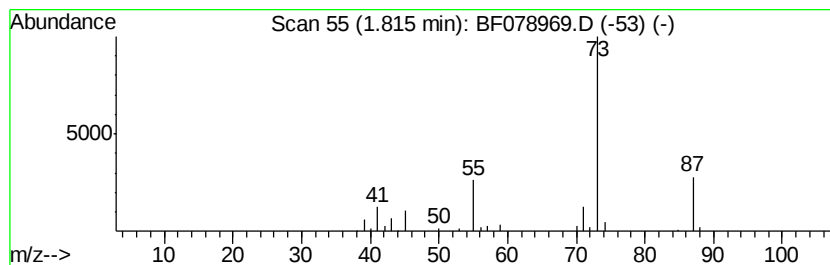
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Butane, 2-methoxy-2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.82	7.51 ng	156299	1,4-Dichlorobenzene-d4	7.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2		2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	43
3		N-Ethylformamide	73	C3H7NO	000627-45-2	23
4		Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9
5		1,3-Dioxolane, 2-(1,1-dimethylet...	130	C7H14O2	002568-29-8	9



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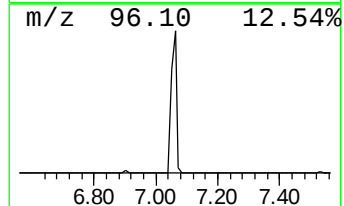
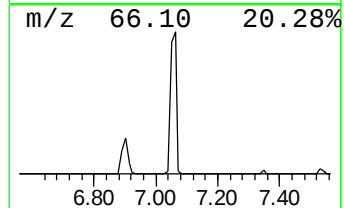
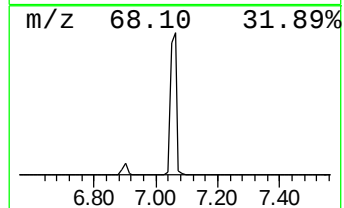
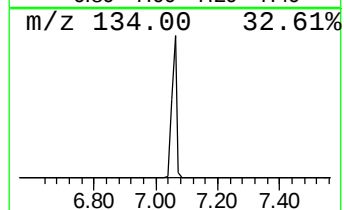
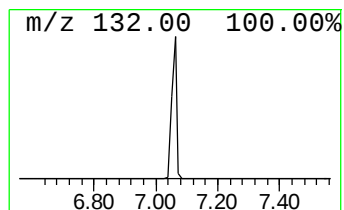
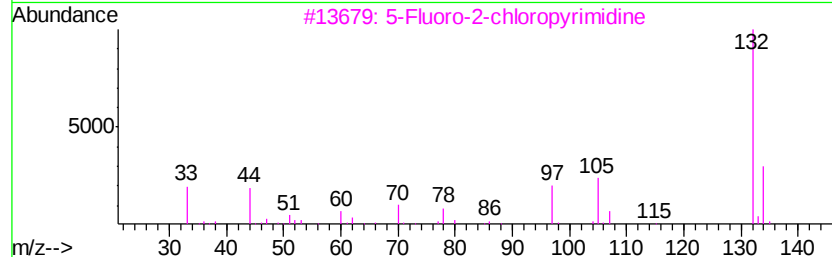
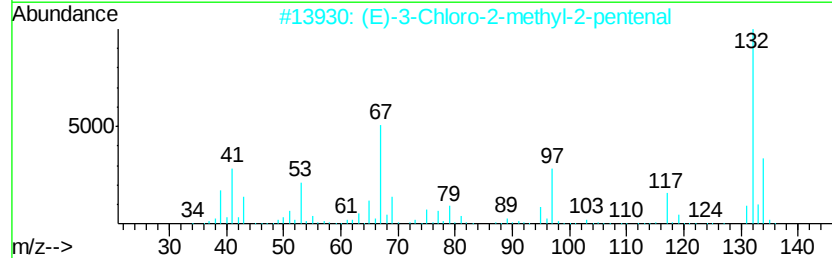
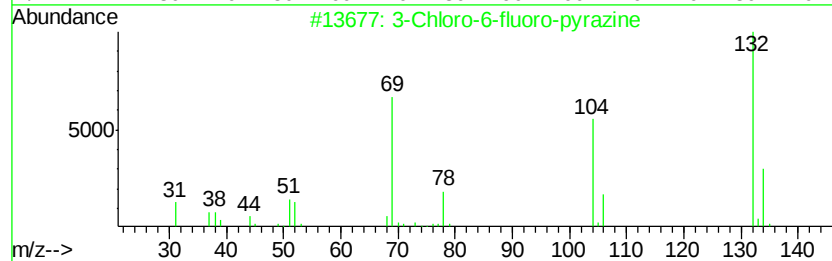
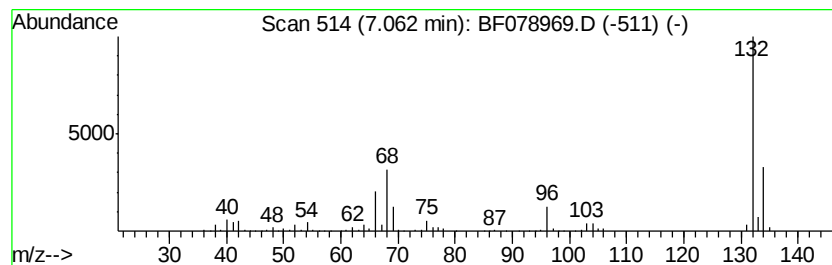
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 unknown7.06 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.06	36.55 ng	760912	1,4-Dichlorobenzene-d4	7.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
4		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
Data File : BF078969.D
Acq On : 6 May 2015 19:25
Operator : TP/IZ
Sample : G2114-05 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

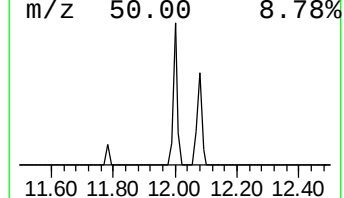
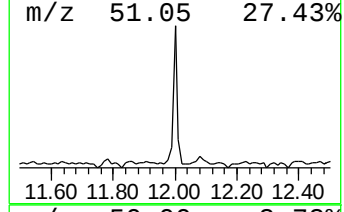
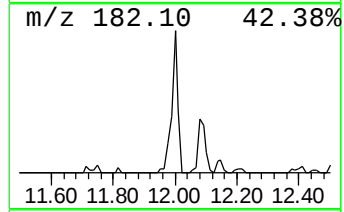
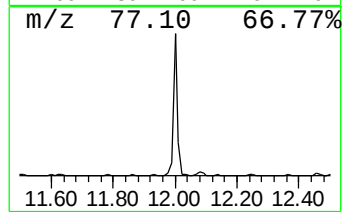
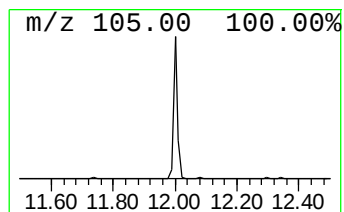
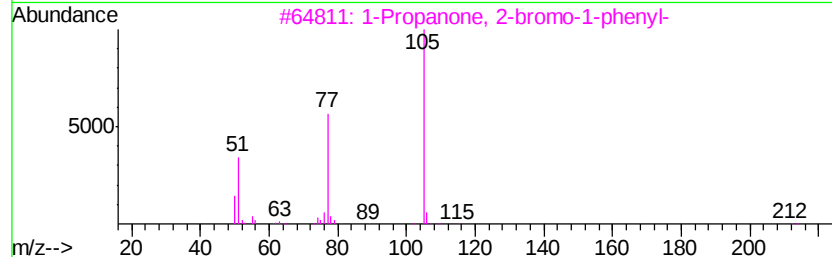
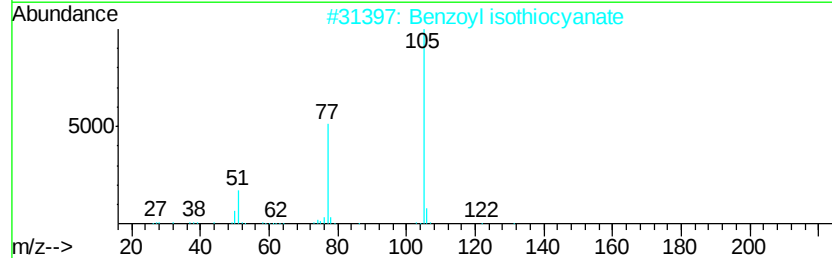
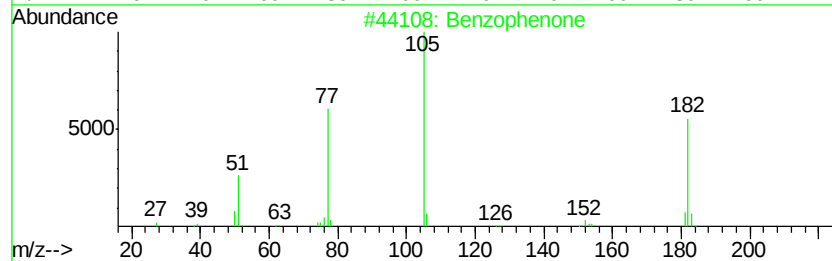
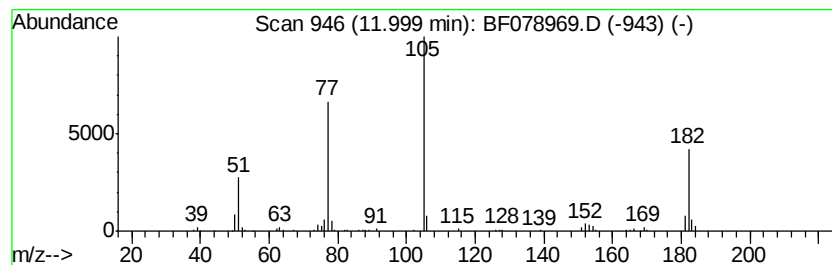
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ClientSampleId :
GRID-2(6-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Benzophenone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.00	5.76 ng	193808	Acenaphthene-d10	11.10	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Benzoyl isothiocyanate	163	C8H5NOS	000532-55-8	47
3	1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47
4	1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	47
5	Methyl benzillate	242	C15H14O3	000076-89-1	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
Data File : BF078969.D
Acq On : 6 May 2015 19:25
Operator : TP/IZ
Sample : G2114-05 2X
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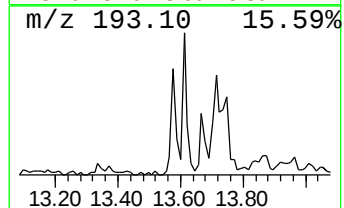
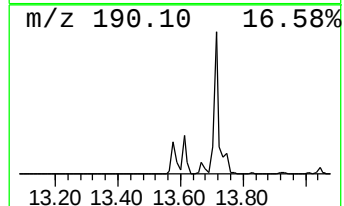
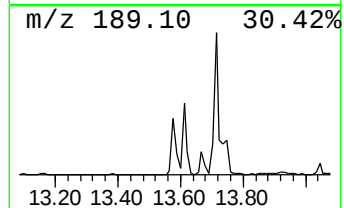
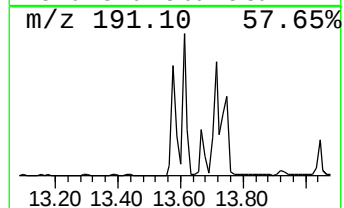
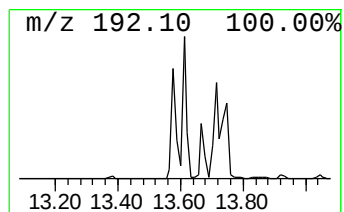
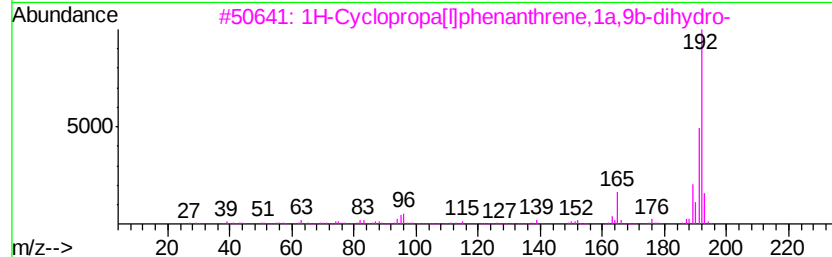
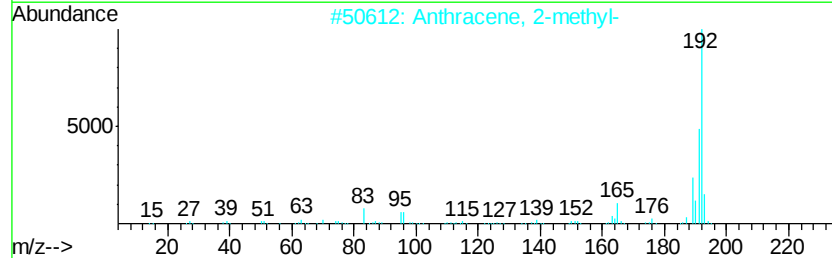
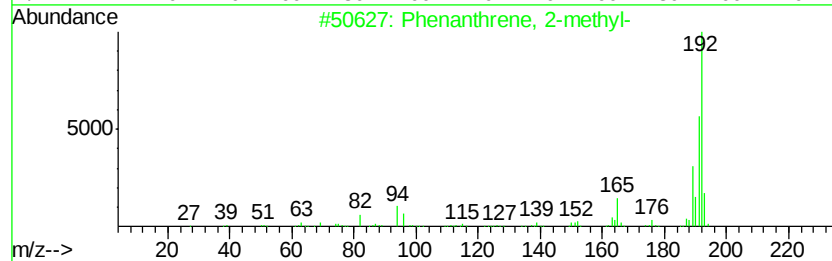
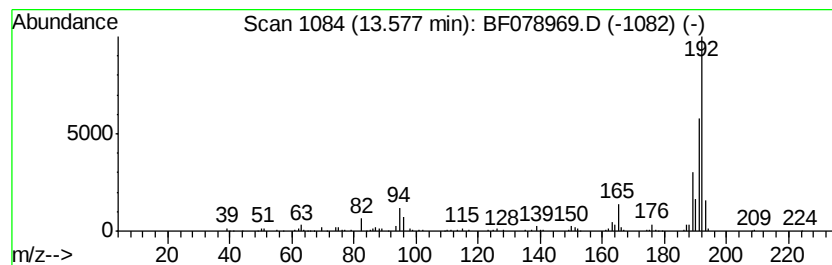
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.58	8.53 ng	326206	Phenanthrene-d10	12.95	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
Data File : BF078969.D
Acq On : 6 May 2015 19:25
Operator : TP/IZ
Sample : G2114-05 2X
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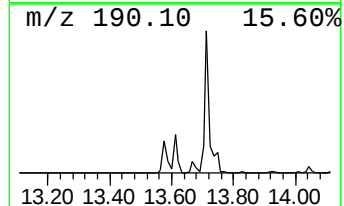
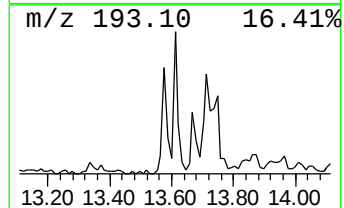
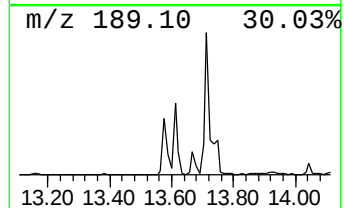
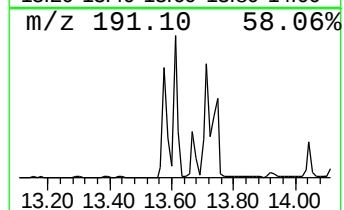
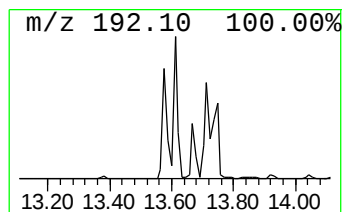
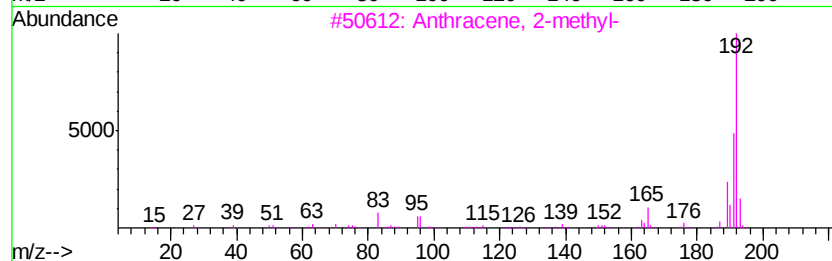
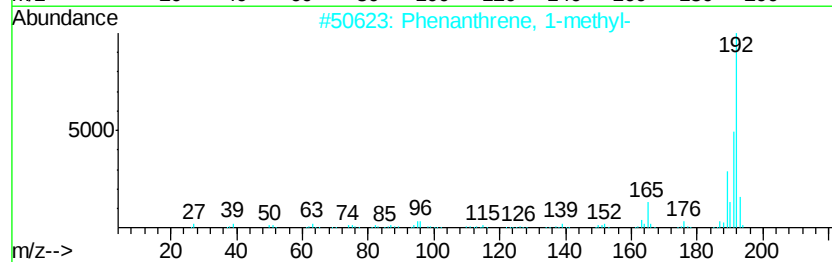
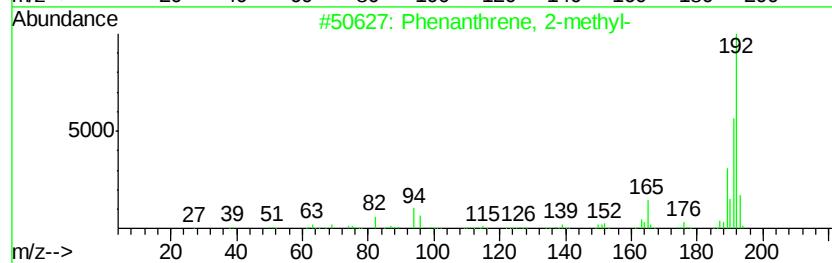
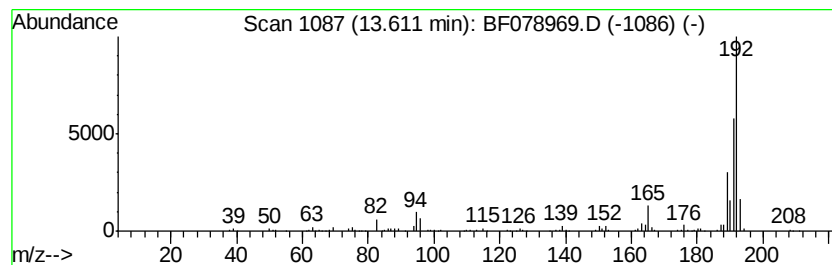
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.61	8.98 ng	343403	Phenanthrene-d10	12.95	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
5	1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
Data File : BF078969.D
Acq On : 6 May 2015 19:25
Operator : TP/IZ
Sample : G2114-05 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
GRID-2(6-12)

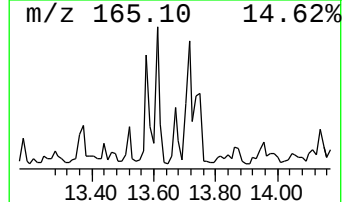
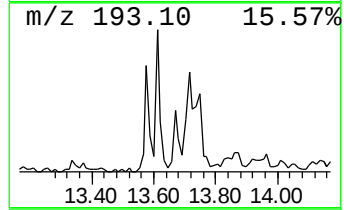
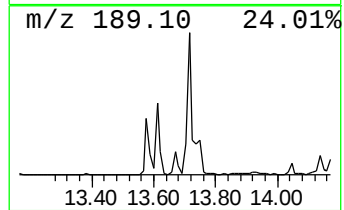
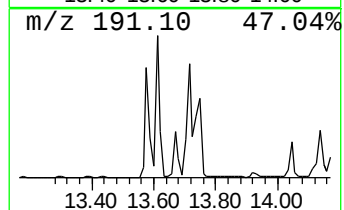
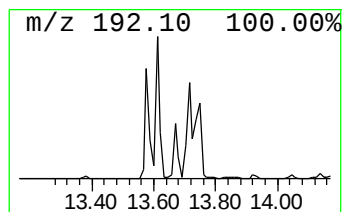
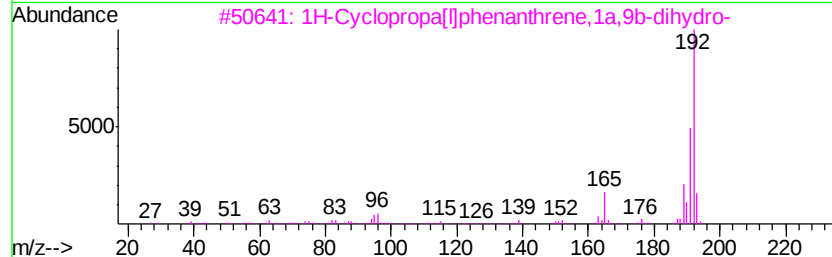
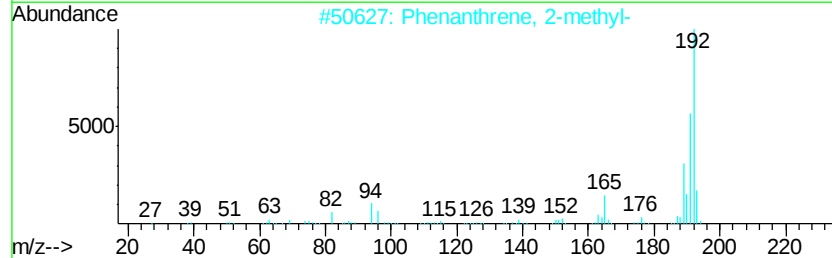
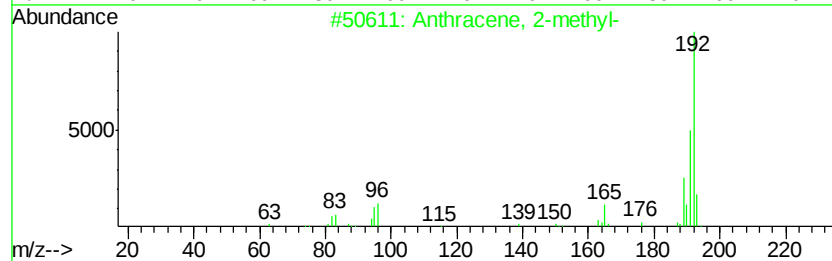
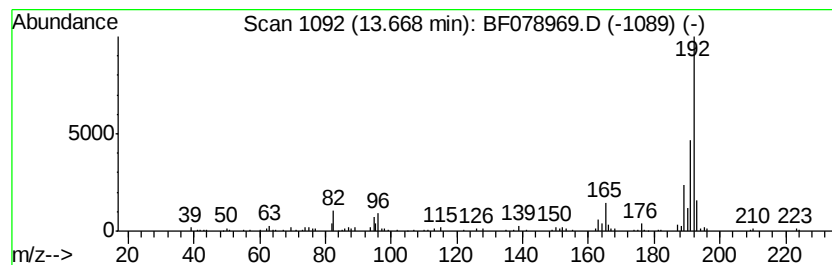
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Anthracene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	4.30 ng	164436	Phenanthrene-d10	12.95

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
Data File : BF078969.D
Acq On : 6 May 2015 19:25
Operator : TP/IZ
Sample : G2114-05 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
GRID-2(6-12)

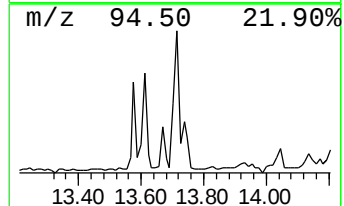
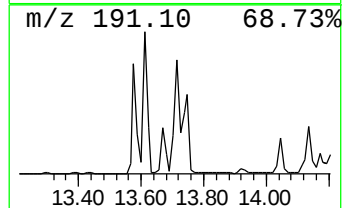
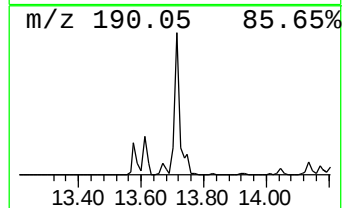
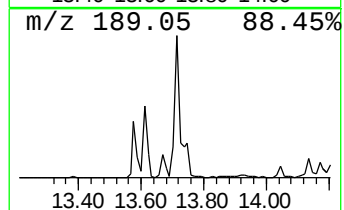
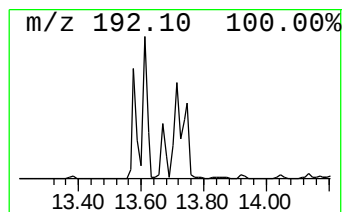
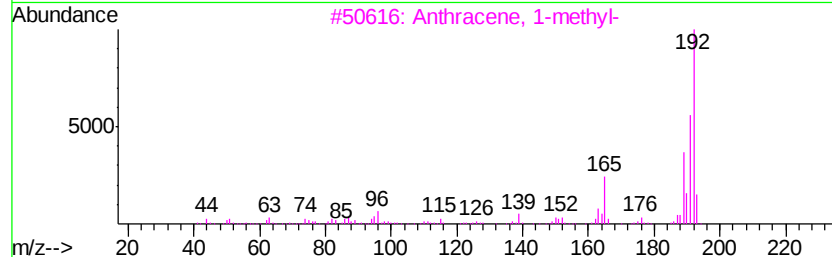
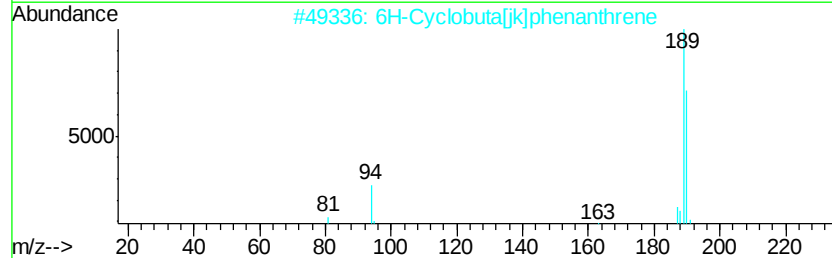
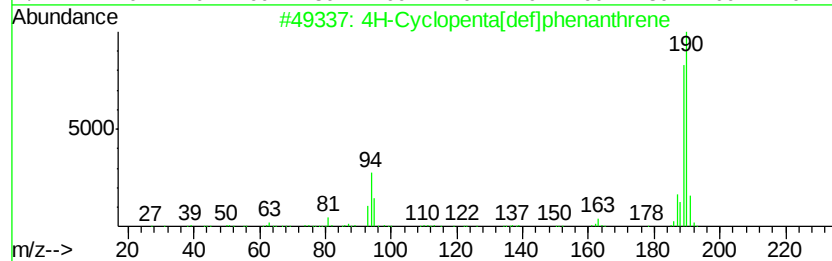
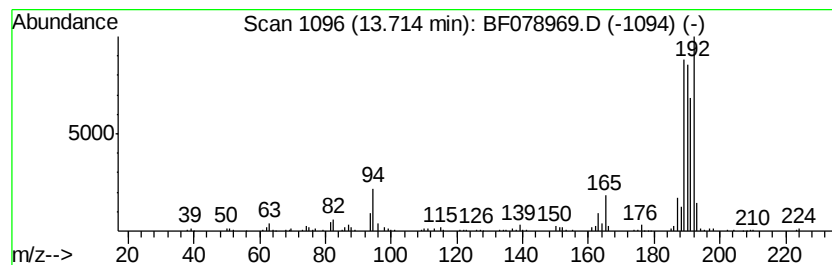
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.71	12.18 ng	465896	Phenanthrene-d10	12.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	46
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	46
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
Data File : BF078969.D
Acq On : 6 May 2015 19:25
Operator : TP/IZ
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Misc :
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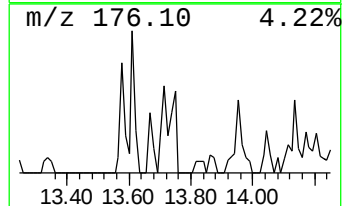
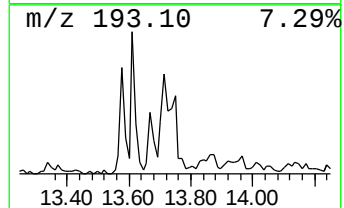
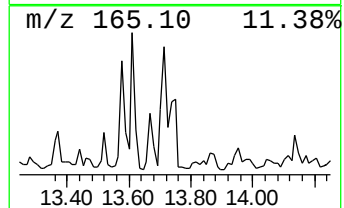
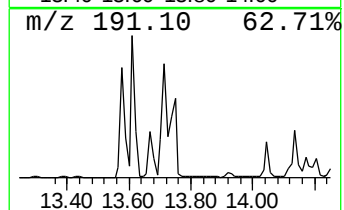
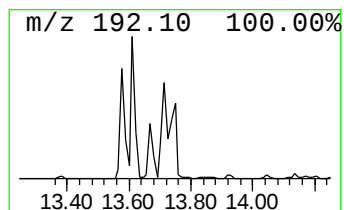
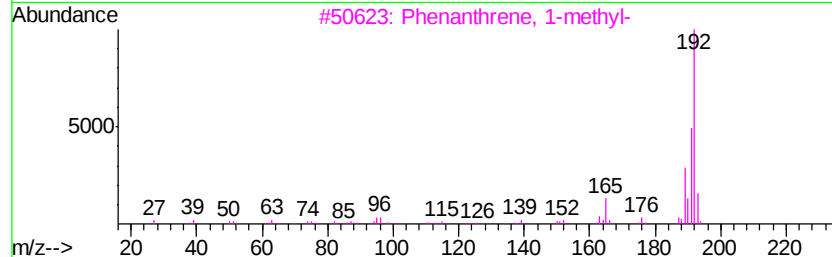
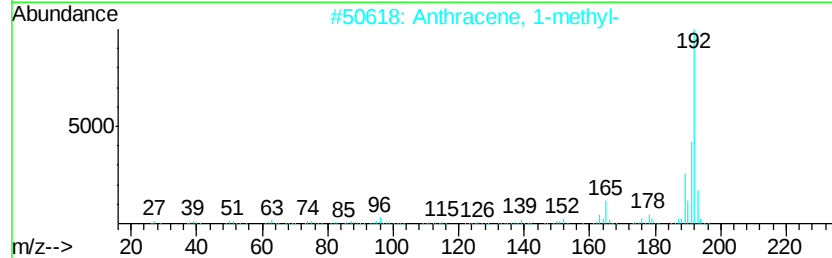
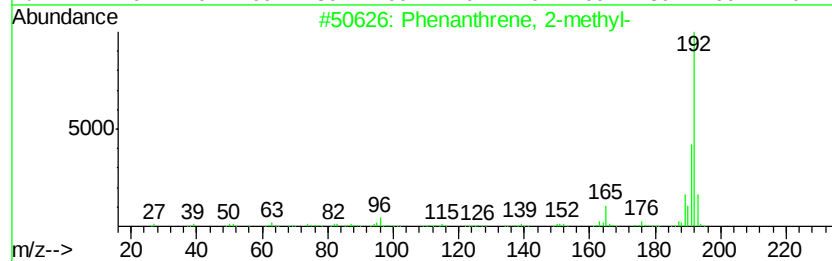
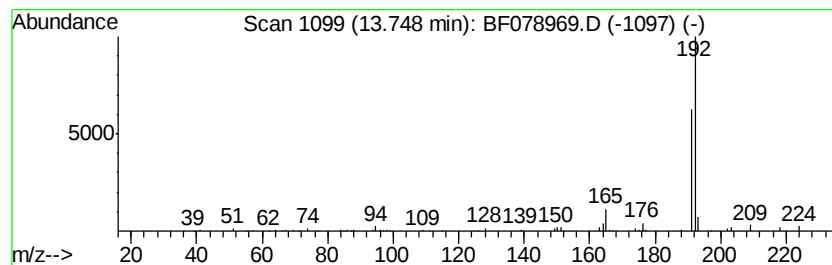
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Anthracene, 9-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	6.57 ng	251270	Phenanthrene-d10	12.95

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86
2			Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	78
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	78
5			Anthracene, 9-methyl-	192	C15H12	000779-02-2	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
Data File : BF078969.D
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Operator : TP/IZ
Sample : G2114-05 2X
Misc :
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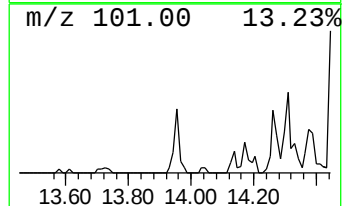
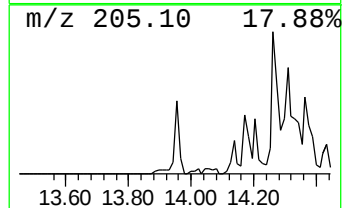
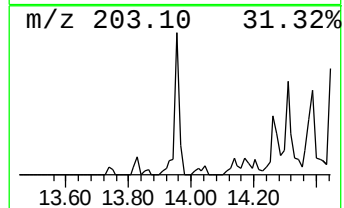
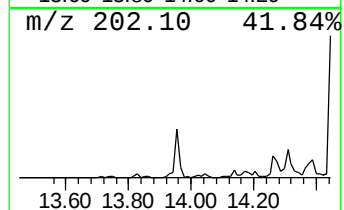
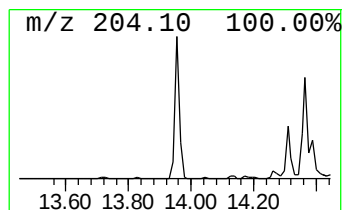
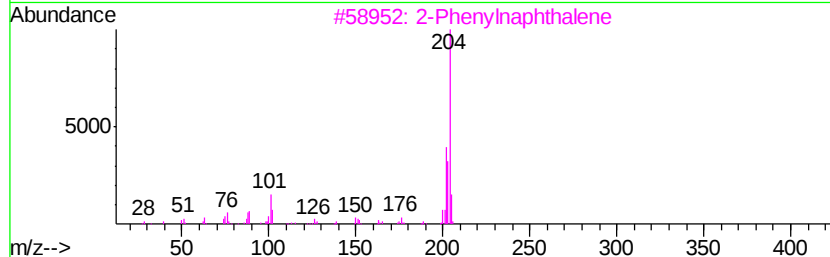
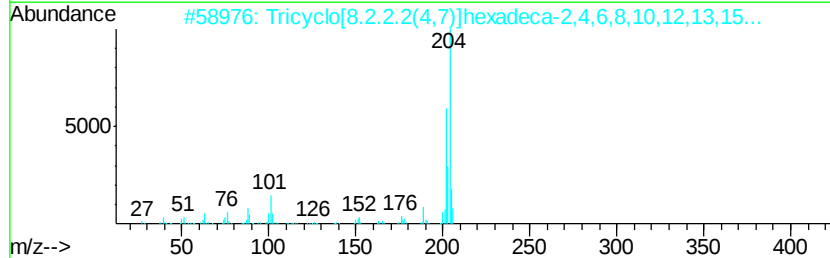
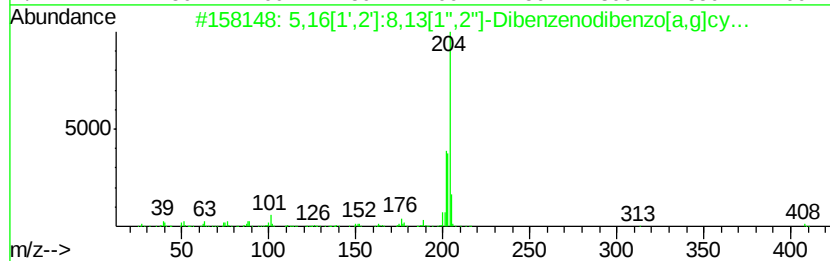
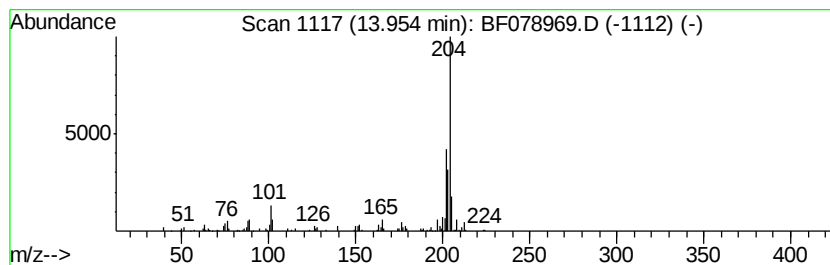
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ClientSampleId :
GRID-2(6-12)

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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 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.95	8.65 ng	331053	Phenanthrene-d10	12.95	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	86
3	2-Phenvlnaphthalene	204	C16H12	035465-71-5	83
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
Data File : BF078969.D
Acq On : 6 May 2015 19:25
Operator : TP/IZ
Sample : G2114-05 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GRID-2(6-12)

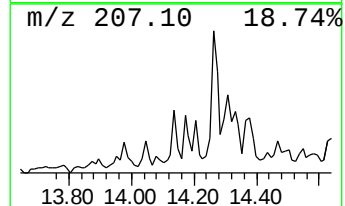
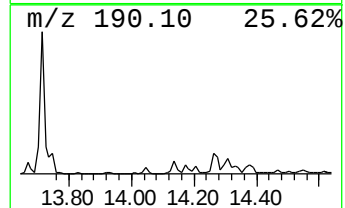
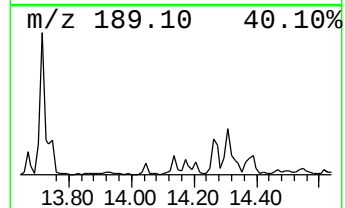
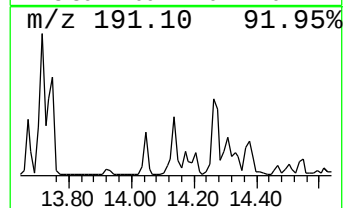
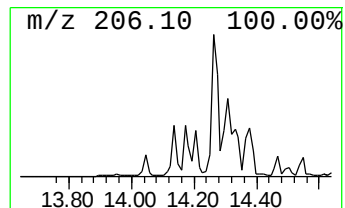
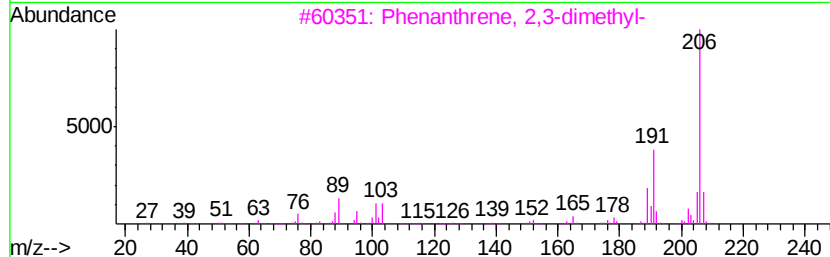
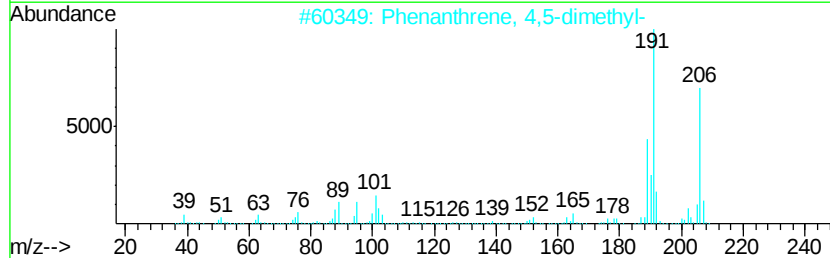
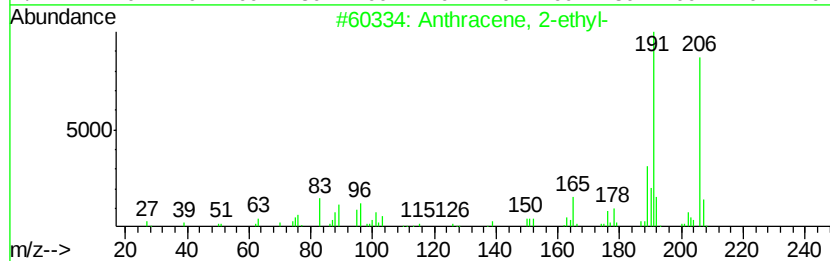
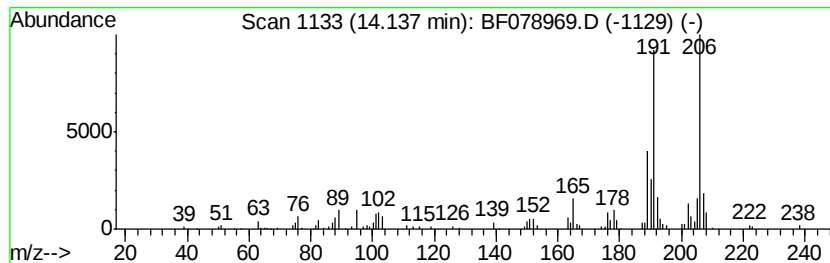
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Anthracene, 2-ethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	4.65 ng	177819	Phenanthrene-d10	12.95

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 2-ethyl-	206	C16H14	052251-71-5	96
2			Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	95
3			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
5			Phenanthrene, 2-ethyl-	206	C16H14	003674-74-6	87



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
Data File : BF078969.D
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Operator : TP/IZ
Sample : G2114-05 2X
Misc :
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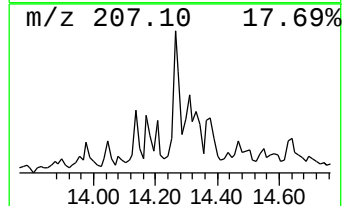
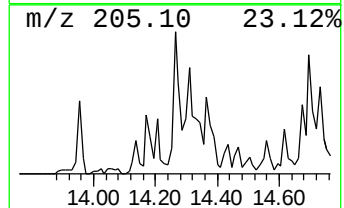
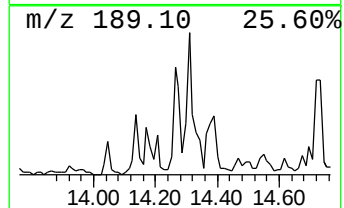
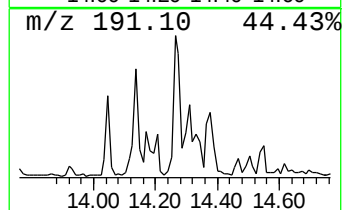
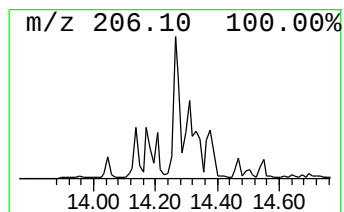
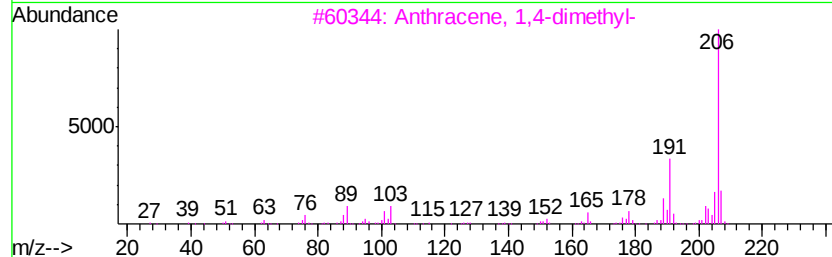
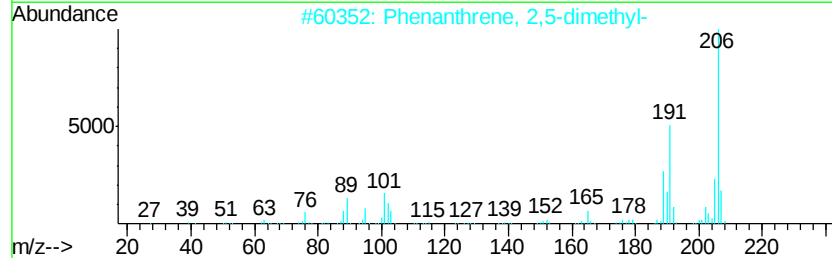
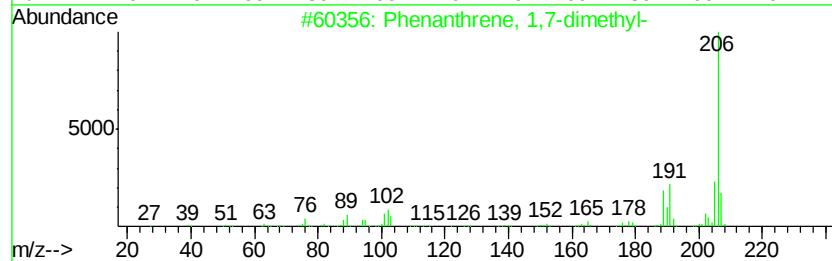
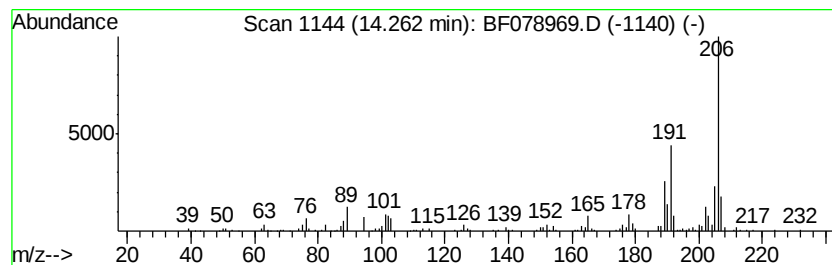
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Phenanthrene, 1,7-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.
14.26	9.69 ng	370794	Phenanthrene-d10		12.95
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	97
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	95
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
5	9,10-Dimethylantracene	206	C16H14	000781-43-1	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
Data File : BF078969.D
Acq On : 6 May 2015 19:25
Operator : TP/IZ
Sample : G2114-05 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GRID-2(6-12)

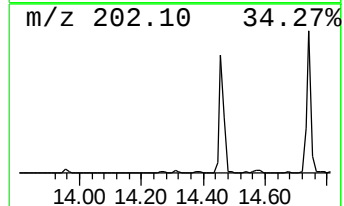
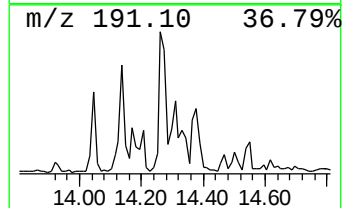
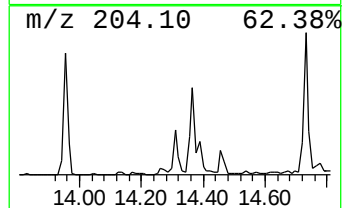
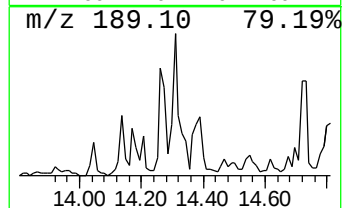
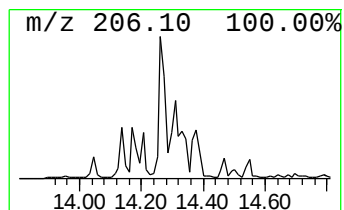
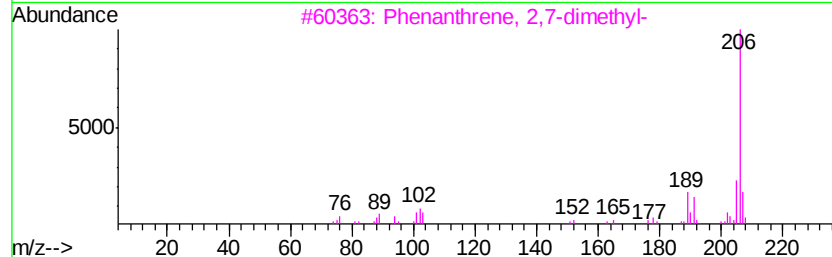
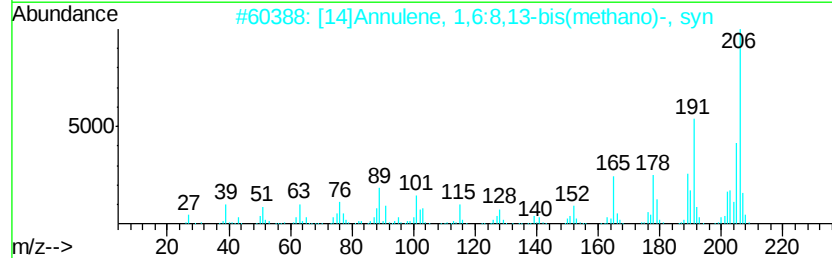
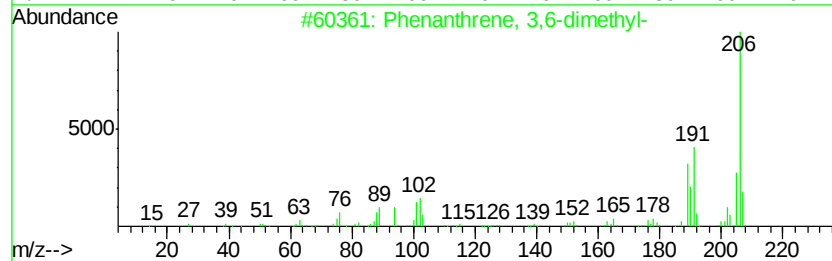
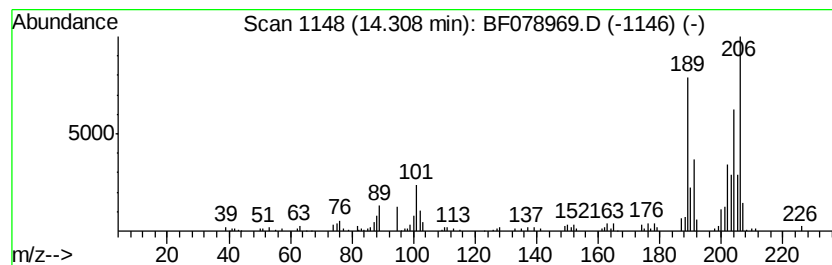
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Phenanthrene, 3,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.31	7.78 ng	297631	Phenanthrene-d10	12.95

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2			[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	43
3			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	43
4			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	41
5			Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
Data File : BF078969.D
Acq On : 6 May 2015 19:25
Operator : TP/IZ
Sample : G2114-05 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
GRID-2(6-12)

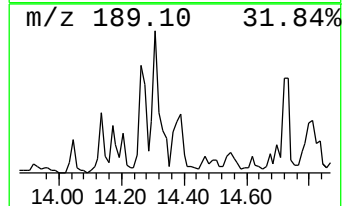
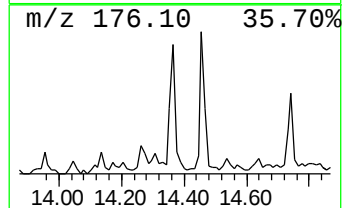
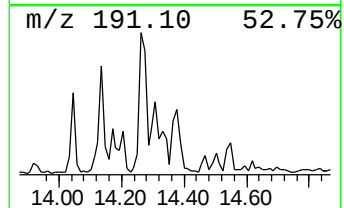
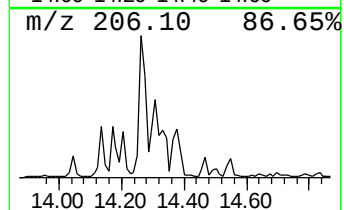
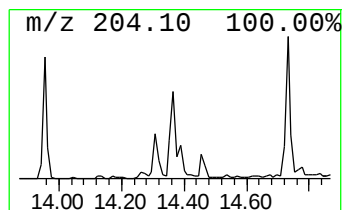
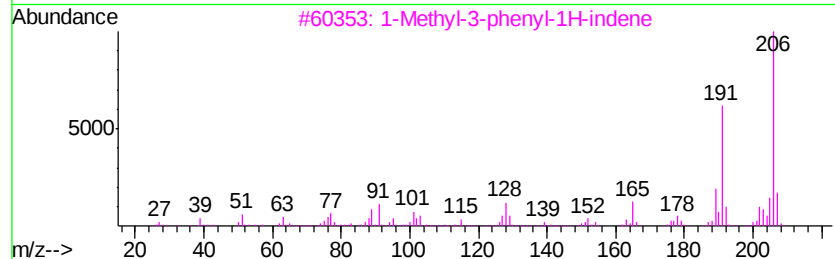
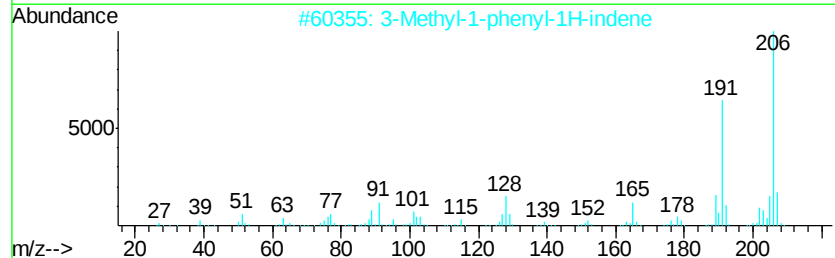
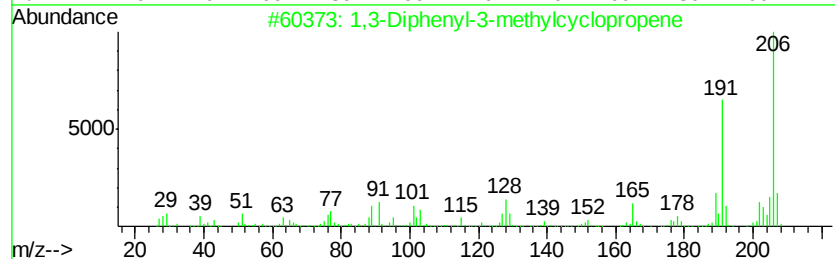
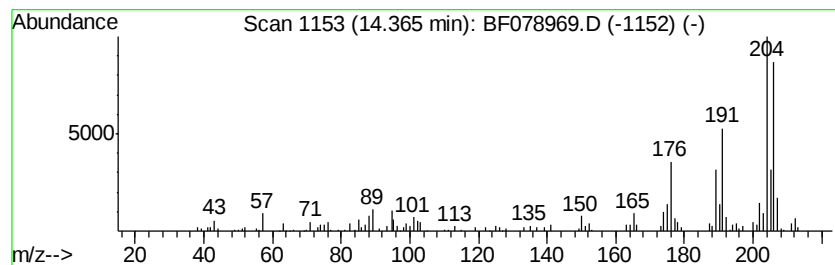
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 1,3-Diphenyl-3-methylcyclop... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.37	6.23 ng	238304	Phenanthrene-d10	12.95

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	87
2			3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	87
3			1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	87
4			di-p-Tolylacetylene	206	C16H14	002789-88-0	86
5			Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	55



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
Data File : BF078969.D
Acq On : 6 May 2015 19:25
Operator : TP/IZ
Sample : G2114-05 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
GRID-2(6-12)

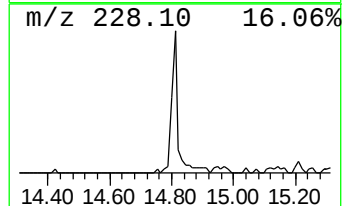
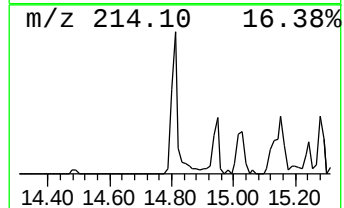
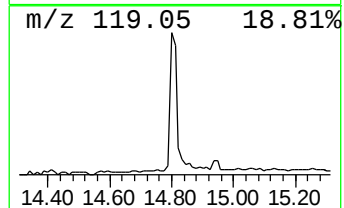
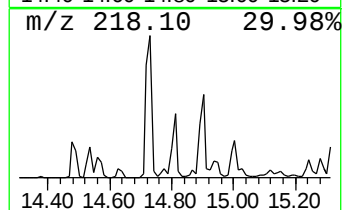
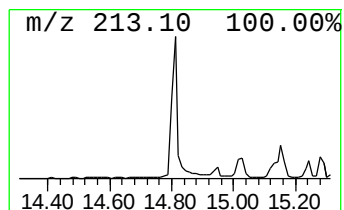
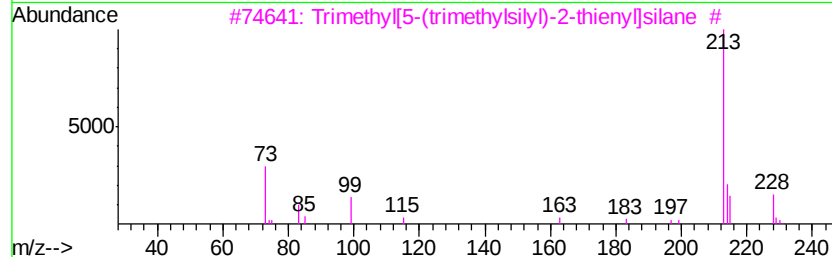
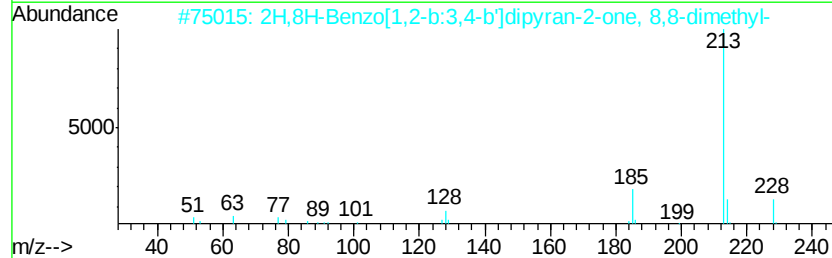
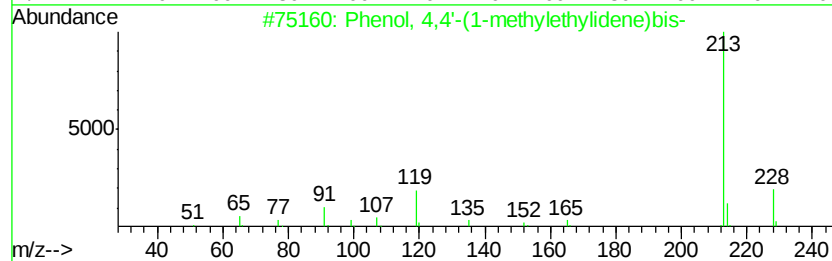
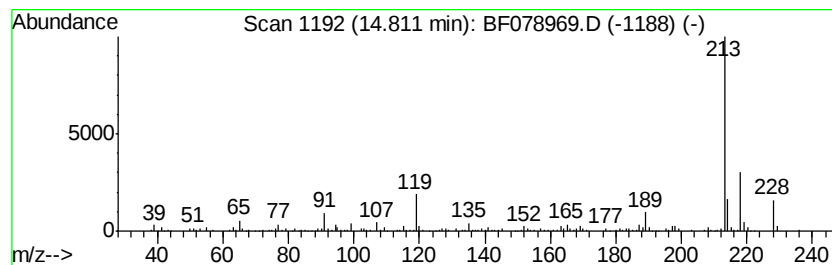
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	4.51 ng	521060	Chrysene-d12	16.24

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenol, 4,4'-(1-methylethylidene...	228	C15H16O2	000080-05-7	97
2			2H,8H-Benzo[1,2-b:3,4-b']dipyran...	228	C14H12O3	000523-59-1	50
3			Trimethyl[5-(trimethylsilyl)-2-t...	228	C10H20SSi2	017906-71-7	50
4			Carbanilic acid, p-phenyl-	213	C13H11NO2	004474-53-7	47
5			2H,8H-Benzo[1,2-b:5,4-b']dipyran...	228	C14H12O3	000553-19-5	40



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
Data File : BF078969.D
Acq On : 6 May 2015 19:25
Operator : TP/IZ
Sample : G2114-05 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
GRID-2(6-12)

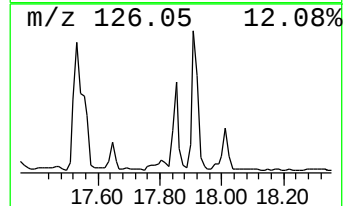
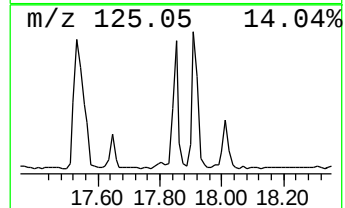
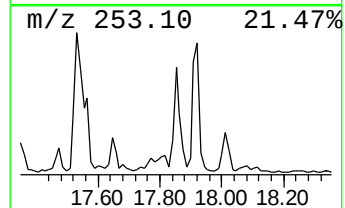
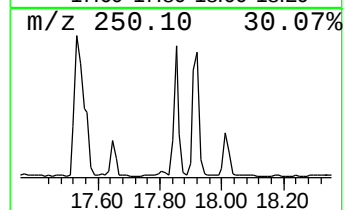
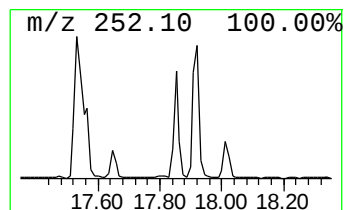
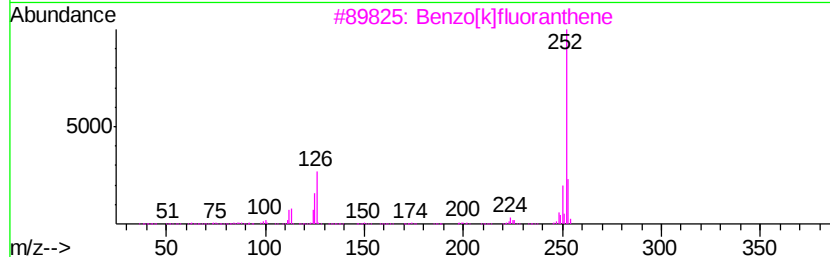
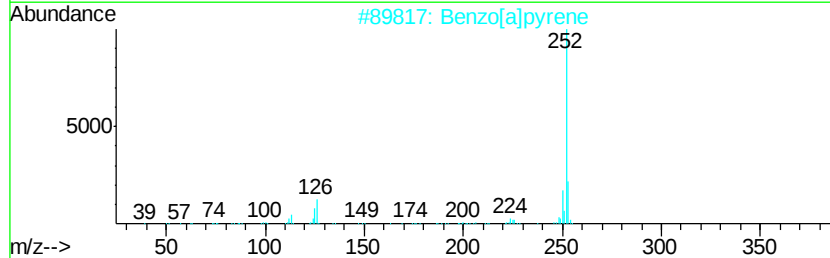
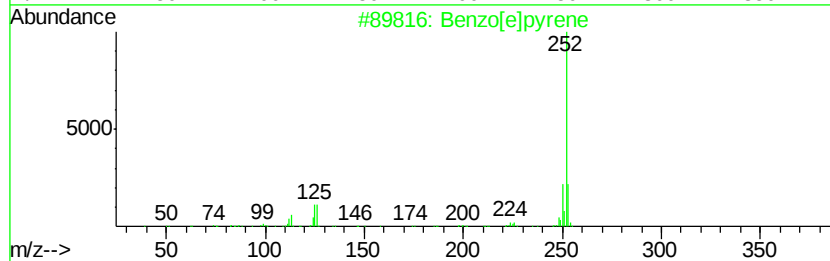
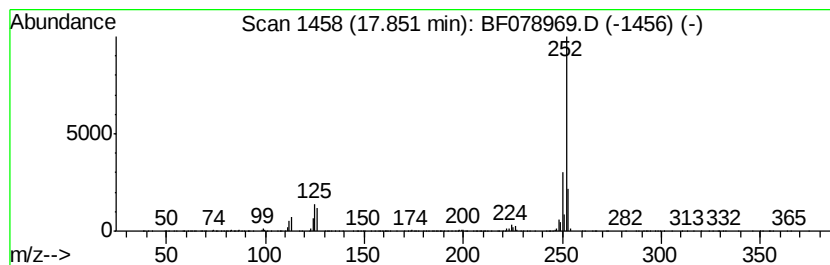
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.85	11.44 ng	553856	Perylene-d12	17.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[a]pyrene	252	C20H12	000050-32-8	93
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	90
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
 Data File : BF078969.D
 Acq On : 6 May 2015 19:25
 Operator : TP/IZ
 Sample : G2114-05 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID-2(6-12)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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
Propane, 2,2-dime...	1.48	134.1	ng	2792140	1	7.35	416354	20.0
Butane, 2-methoxy...	1.82	7.5	ng	156299	1	7.35	416354	20.0
unknown7.06	7.06	36.5	ng	760912	1	7.35	416354	20.0
Benzophenone	12.00	5.8	ng	193808	3	11.10	672876	20.0
Phenanthrene, 2-m...	13.58	8.5	ng	326206	4	12.95	765011	20.0
Phenanthrene, 1-m...	13.61	9.0	ng	343403	4	12.95	765011	20.0
Anthracene, 2-met...	13.67	4.3	ng	164436	4	12.95	765011	20.0
4H-Cyclopenta[def...	13.71	12.2	ng	465896	4	12.95	765011	20.0
Anthracene, 9-met...	13.75	6.6	ng	251270	4	12.95	765011	20.0
5,16[1',2']:8,13[...	13.95	8.7	ng	331053	4	12.95	765011	20.0
Anthracene, 2-ethyl-	14.14	4.7	ng	177819	4	12.95	765011	20.0
Phenanthrene, 1,7...	14.26	9.7	ng	370794	4	12.95	765011	20.0
Phenanthrene, 3,6...	14.31	7.8	ng	297631	4	12.95	765011	20.0
1,3-Diphenyl-3-me...	14.37	6.2	ng	238304	4	12.95	765011	20.0
Phenol, 4,4'-(1-m...	14.81	4.5	ng	521060	5	16.24	2312460	20.0
Benzo[e]pyrene	17.85	11.4	ng	553856	6	17.99	968253	20.0