

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
 Data File : BF078955.D
 Acq On : 6 May 2015 12:46
 Operator : TP/IZ
 Sample : G2114-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID-1(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	1.496	24	27	30	rVB	4117146	4472341	100.00%	7.355%
2	1.633	37	39	48	rVB2	149926	310616	6.95%	0.511%
3	1.770	48	51	53	rVV	116319	199630	4.46%	0.328%
4	1.816	53	55	60	rVV	165577	238929	5.34%	0.393%
5	1.896	60	62	100	rVB	2040341	3747810	83.80%	6.163%
6	5.153	345	347	353	rVB	85260	121992	2.73%	0.201%
7	5.644	387	390	392	rBV	1144890	1251092	27.97%	2.057%
8	6.890	497	499	502	rBV	1095265	1328047	29.69%	2.184%
9	7.050	511	513	516	rBV	1115069	1350668	30.20%	2.221%
10	7.348	536	539	541	rBV	472417	415241	9.28%	0.683%
11	7.530	553	555	557	rBV	1058477	1006144	22.50%	1.655%
12	8.033	597	599	602	rBV	907730	795971	17.80%	1.309%
13	8.925	674	677	678	rBV	597566	586794	13.12%	0.965%
14	8.948	678	679	682	rVB	243538	190900	4.27%	0.314%
15	9.805	752	754	757	rBV	142541	133565	2.99%	0.220%
16	9.931	762	765	767	rBV	111934	99585	2.23%	0.164%
17	10.274	792	795	797	rBV	1256904	1641956	36.71%	2.700%
18	10.685	828	831	832	rBV	72479	101710	2.27%	0.167%
19	11.096	865	867	869	rBV	622521	659801	14.75%	1.085%
20	11.142	869	871	873	rVV	325433	322803	7.22%	0.531%
21	11.359	887	890	892	rBV	278009	343737	7.69%	0.565%
22	11.782	925	927	929	rBV	432084	409469	9.16%	0.673%
23	11.862	931	934	935	rVV	58637	89708	2.01%	0.148%
24	11.999	943	946	948	rVB2	201360	282776	6.32%	0.465%
25	12.079	950	953	956	rVB	1214193	1228495	27.47%	2.020%
26	12.468	982	987	988	rBV2	88676	149178	3.34%	0.245%
27	12.708	1005	1008	1010	rVV	182241	219654	4.91%	0.361%
28	12.777	1011	1014	1015	rBV	72260	107511	2.40%	0.177%
29	12.822	1015	1018	1020	rVV	674264	942088	21.06%	1.549%
30	12.891	1022	1024	1026	rVB	334650	329010	7.36%	0.541%
31	12.948	1026	1029	1030	rBV	694132	773021	17.28%	1.271%
32	12.982	1030	1032	1034	rVV	3059481	3413408	76.32%	5.613%
33	13.040	1034	1037	1039	rVB	748321	726179	16.24%	1.194%
34	13.245	1053	1055	1056	rVV	261676	268228	6.00%	0.441%

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Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

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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

35	13.360	1064	1065	1067	rVB2	90832	92298	2.06%	0.152%
36	13.462	1072	1074	1077	rVV	306752	428820	9.59%	0.705%
37	13.577	1080	1084	1085	rBV	476785	469508	10.50%	0.772%
38	13.611	1085	1087	1089	rVB	613977	581731	13.01%	0.957%
39	13.668	1089	1092	1094	rBV	205592	241564	5.40%	0.397%
40	13.714	1094	1096	1097	rVV	488389	687242	15.37%	1.130%
41	13.737	1097	1098	1101	rVB	284979	291542	6.52%	0.479%
42	13.954	1115	1117	1121	rVB2	339935	613014	13.71%	1.008%
43	14.137	1129	1133	1135	rBV	101863	178066	3.98%	0.293%
44	14.262	1141	1144	1146	rBV	226130	297174	6.64%	0.489%
45	14.308	1146	1148	1151	rVV2	136546	263643	5.89%	0.434%
46	14.365	1151	1153	1156	rVB3	140581	255192	5.71%	0.420%
47	14.457	1158	1161	1164	rVV	2930979	3056522	68.34%	5.026%
48	14.537	1166	1168	1169	rBV	94353	125061	2.80%	0.206%
49	14.640	1173	1177	1179	rBV2	126216	244265	5.46%	0.402%
50	14.743	1183	1186	1188	rVV	2291120	3085323	68.99%	5.074%
51	14.800	1189	1191	1195	rVV	439938	691124	15.45%	1.137%
52	14.891	1197	1199	1201	rVV	151420	171387	3.83%	0.282%
53	14.948	1201	1204	1206	rVV	1463390	2008144	44.90%	3.302%
54	15.017	1206	1210	1212	rVV2	154880	327475	7.32%	0.539%
55	15.120	1215	1219	1220	rVV3	139828	228688	5.11%	0.376%
56	15.154	1220	1222	1224	rVB	325194	380208	8.50%	0.625%
57	15.234	1228	1229	1231	rVV	162934	195977	4.38%	0.322%
58	15.280	1231	1233	1235	rVV	333055	366038	8.18%	0.602%
59	15.394	1241	1243	1245	rBV	163239	171578	3.84%	0.282%
60	15.428	1245	1246	1248	rVV	125916	144414	3.23%	0.237%
61	15.531	1253	1255	1258	rBV2	66564	119577	2.67%	0.197%
62	15.657	1262	1266	1274	rBV4	81945	406955	9.10%	0.669%
63	15.783	1274	1277	1280	rVV	245864	298239	6.67%	0.490%
64	15.920	1287	1289	1292	rBV2	216335	369109	8.25%	0.607%
65	15.966	1292	1293	1296	rVV2	208806	330630	7.39%	0.544%
66	16.011	1296	1297	1299	rVV	106521	147019	3.29%	0.242%
67	16.046	1299	1300	1303	rVB	230615	272736	6.10%	0.449%
68	16.114	1303	1306	1313	rBV4	160084	363870	8.14%	0.598%
69	16.240	1314	1317	1319	rVV2	1457480	2578454	57.65%	4.240%
70	16.286	1319	1321	1322	rVV	877893	1167702	26.11%	1.920%
71	16.308	1322	1323	1325	rVB2	99730	95430	2.13%	0.157%

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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72	16.377	1325	1329	1331	rBV	178545	251906	5.63%	0.414%
73	16.457	1331	1336	1337	rBV3	67946	160761	3.59%	0.264%
74	16.491	1337	1339	1342	rVB2	75238	167288	3.74%	0.275%
75	16.548	1342	1344	1346	rBV	78891	99437	2.22%	0.164%
76	16.663	1351	1354	1356	rBV3	66396	115970	2.59%	0.191%
77	16.708	1356	1358	1359	rBV	65271	91062	2.04%	0.150%
78	16.754	1359	1362	1364	rBV	255665	378240	8.46%	0.622%
79	16.800	1364	1366	1368	rVB	93250	131955	2.95%	0.217%
80	16.868	1371	1372	1374	rVB2	87451	104151	2.33%	0.171%
81	16.914	1374	1376	1377	rBV	82211	132037	2.95%	0.217%
82	17.017	1383	1385	1389	rVB3	73900	141989	3.17%	0.233%
83	17.143	1394	1396	1398	rBV	84294	146015	3.26%	0.240%
84	17.349	1412	1414	1416	rBV	90589	129660	2.90%	0.213%
85	17.566	1430	1433	1439	rBV	986334	2240980	50.11%	3.685%
86	17.680	1442	1443	1445	rVB	164890	187332	4.19%	0.308%
87	17.806	1450	1454	1456	rBV4	65458	143962	3.22%	0.237%
88	17.897	1459	1462	1465	rVB	577552	804340	17.98%	1.323%
89	17.954	1465	1467	1470	rBV	819103	1098677	24.57%	1.807%
90	18.023	1470	1473	1478	rBV2	705815	1261170	28.20%	2.074%
91	18.217	1486	1490	1492	rBV4	55246	170460	3.81%	0.280%
92	18.354	1498	1502	1504	rBV2	39470	107054	2.39%	0.176%
93	18.606	1521	1524	1527	rVB3	51468	106294	2.38%	0.175%
94	19.200	1574	1576	1584	rVB6	70986	223205	4.99%	0.367%
95	19.360	1586	1590	1598	rVV3	107937	286766	6.41%	0.472%
96	19.520	1601	1604	1610	rVB2	373978	882700	19.74%	1.452%
97	19.714	1618	1621	1624	rBV	92470	227837	5.09%	0.375%
98	19.772	1624	1626	1629	rVV2	55072	103893	2.32%	0.171%
99	19.966	1639	1643	1653	rVB	331093	785904	17.57%	1.292%
100	20.206	1662	1664	1668	rVB	68605	125677	2.81%	0.207%

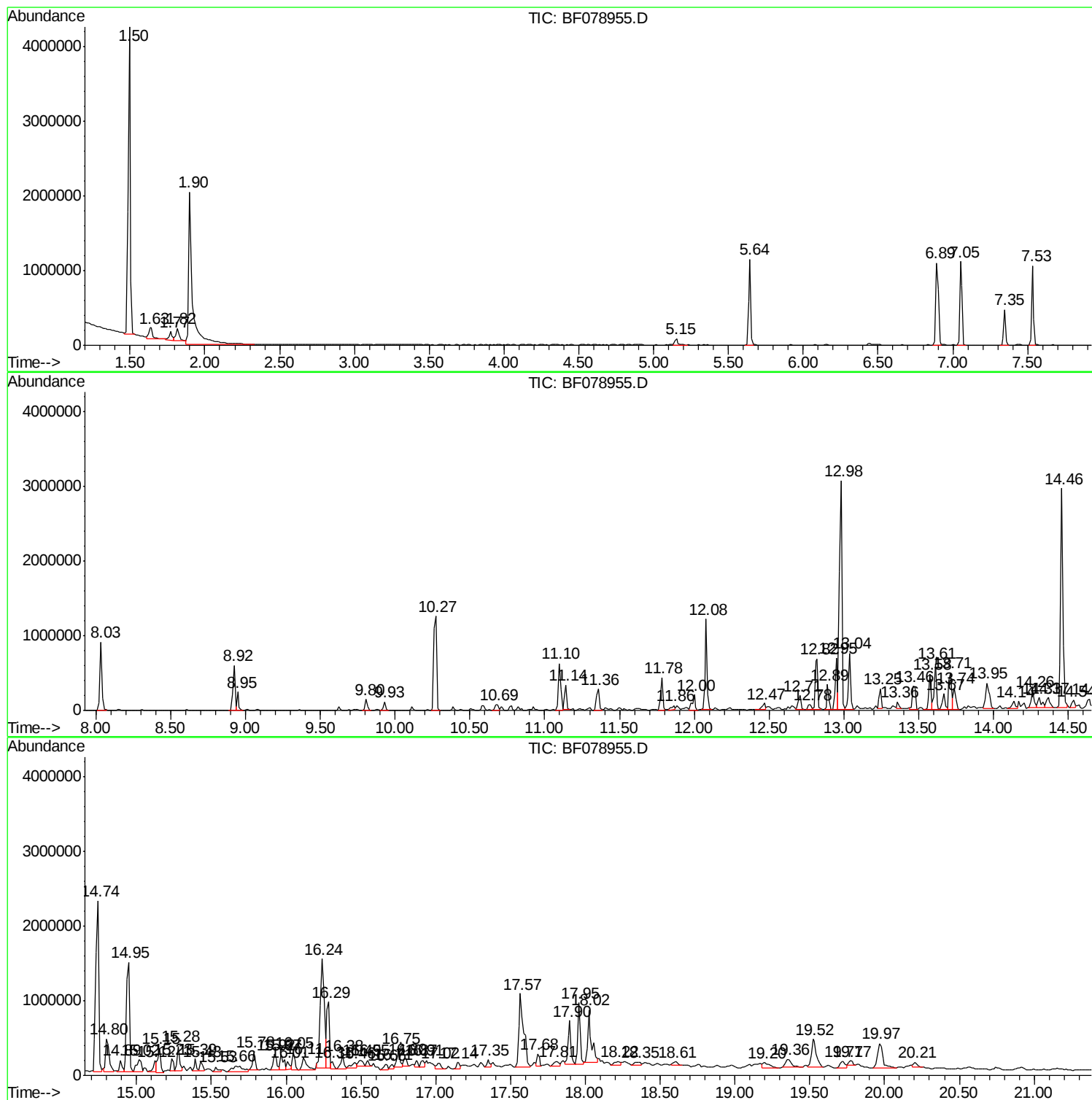
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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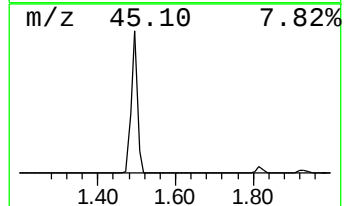
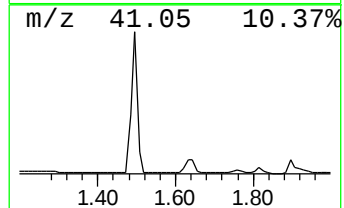
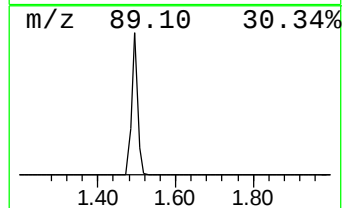
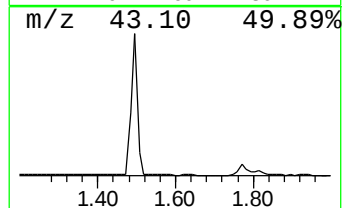
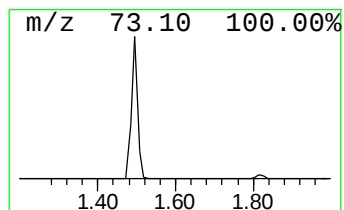
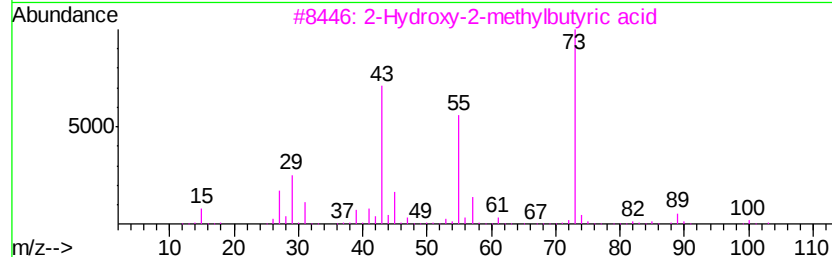
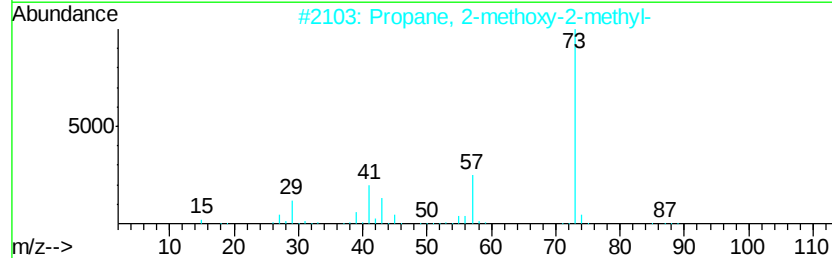
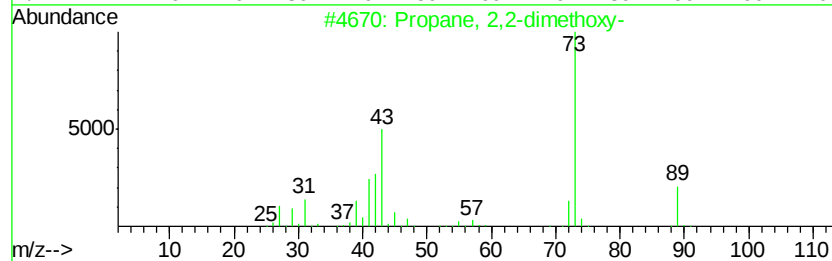
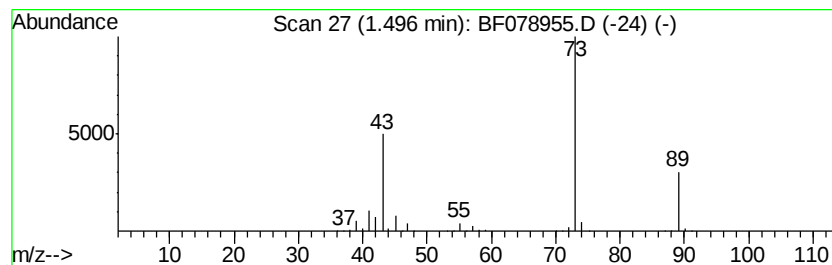
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.50	215.41 ng	4472340	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		Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9
3		2-Hydroxy-2-methylbutyric acid	118	C5H10O3	003739-30-8	9
4		1-Hexen-4-ol, 1-chloro-3,5-dimet...	162	C8H15ClO	100244-09-5	9
5		N-Ethylformamide	73	C3H7NO	000627-45-2	5



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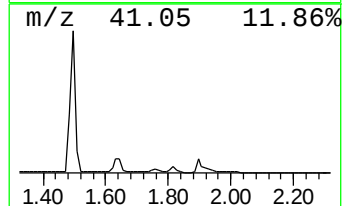
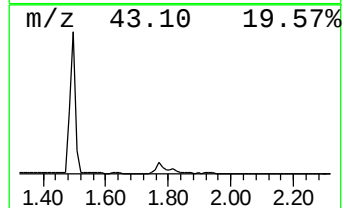
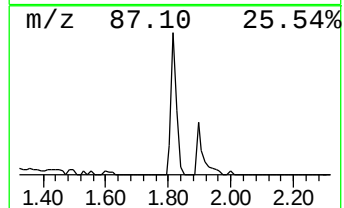
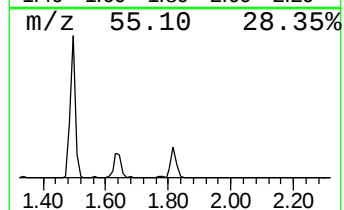
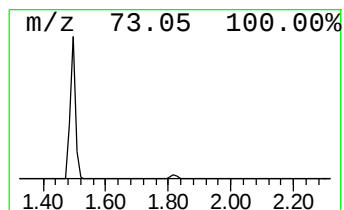
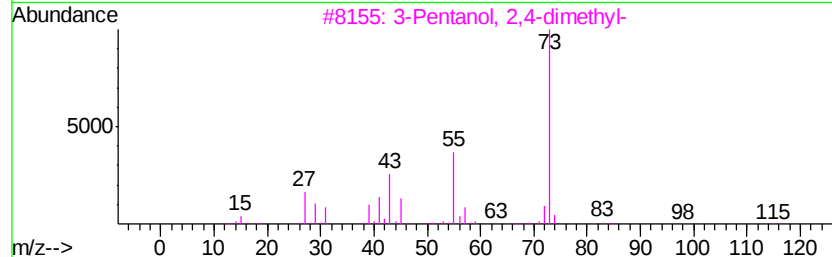
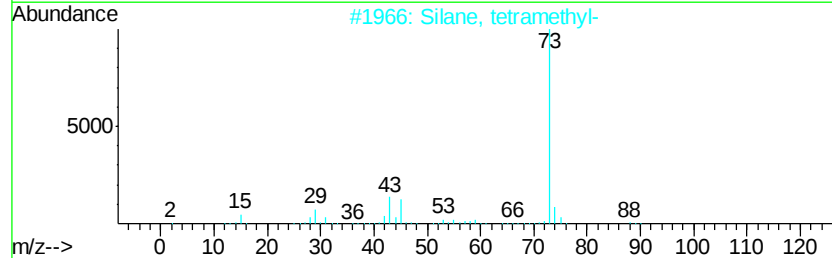
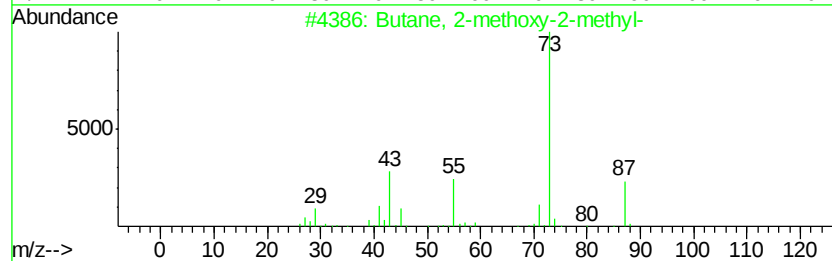
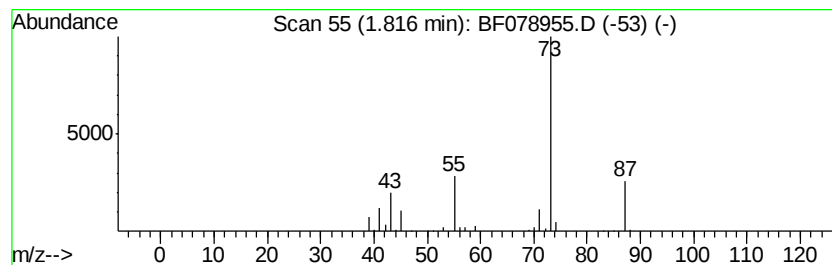
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Butane, 2-methoxy-2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.82	11.51 ng	238929	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	86
2		Silane, tetramethyl-	88	C4H12Si	000075-76-3	38
3		3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	25
4		Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5		N-Ethylformamide	73	C3H7NO	000627-45-2	9



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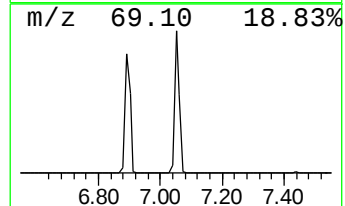
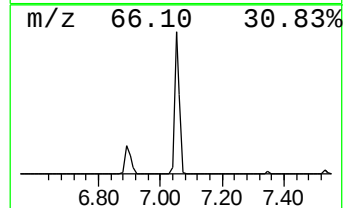
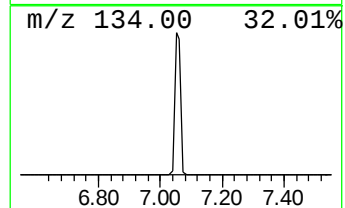
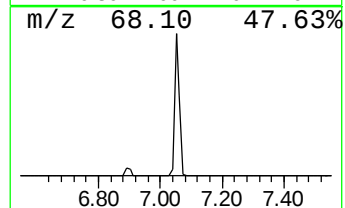
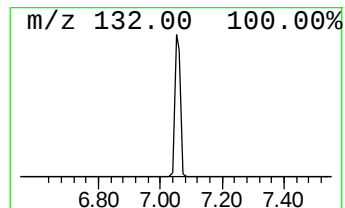
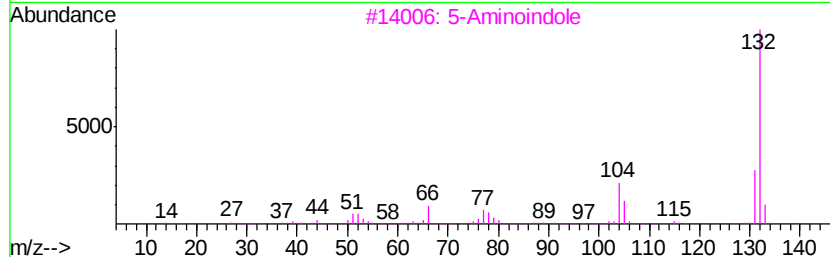
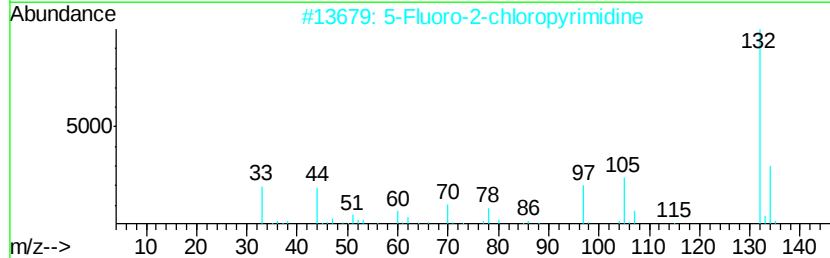
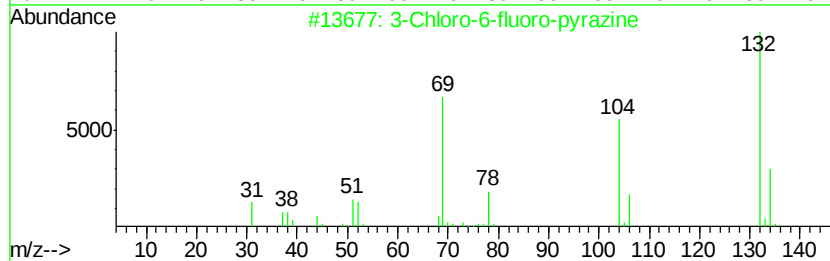
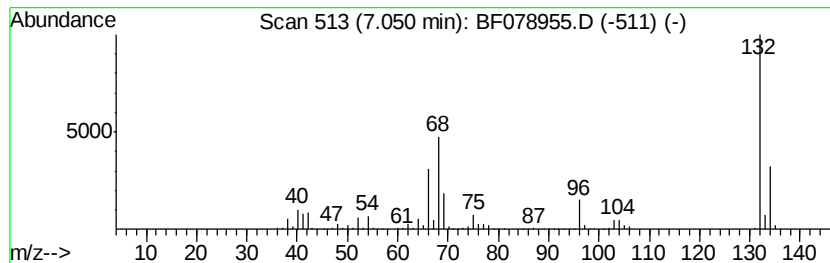
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown7.05 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.05	65.05 ng	1350670	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	27
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3		5-Aminoindole	132	C8H8N2	005192-03-0	10
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
Data File : BF078955.D
Acq On : 6 May 2015 12:46
Operator : TP/IZ
Sample : G2114-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GRID-1(6-12)

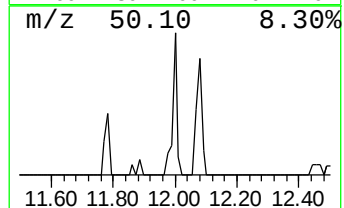
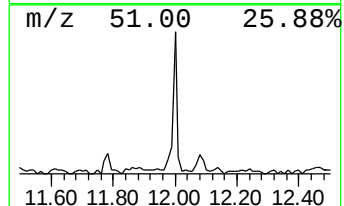
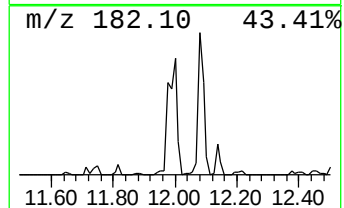
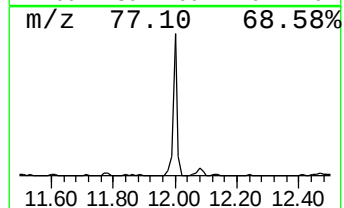
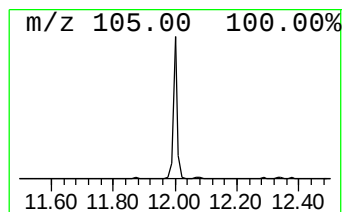
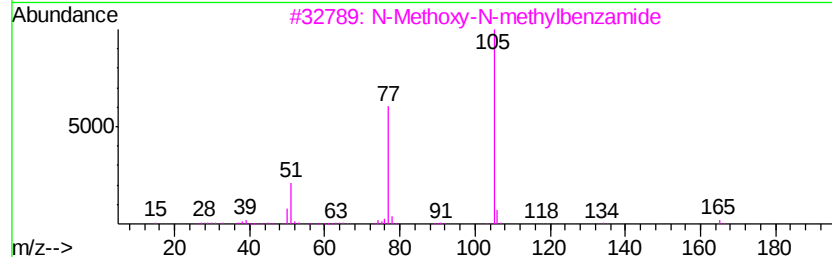
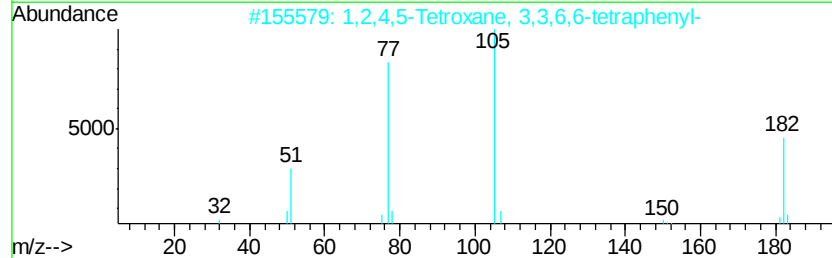
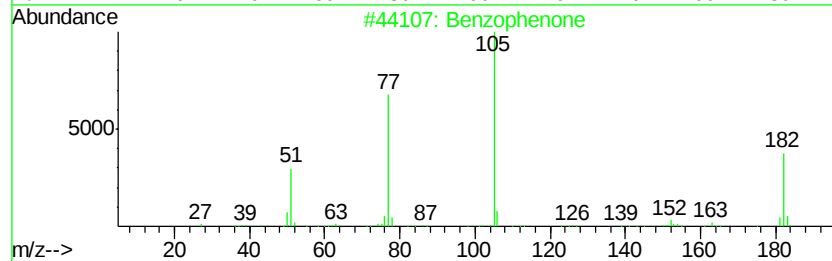
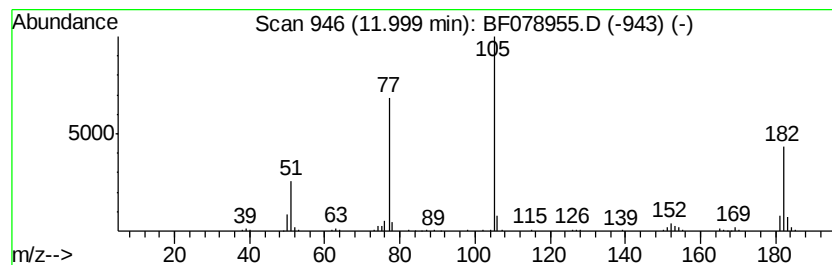
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Benzophenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	8.57 ng	282776	Acenaphthene-d10	11.10

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzophenone	182	C13H10O	000119-61-9	97
2		1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	78
3		N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	53
4		1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47
5		Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
Data File : BF078955.D
Acq On : 6 May 2015 12:46
Operator : TP/IZ
Sample : G2114-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

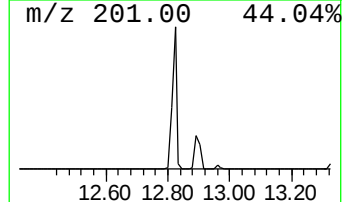
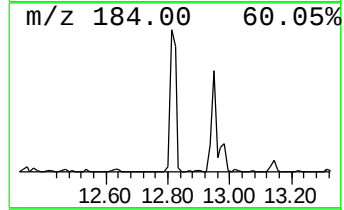
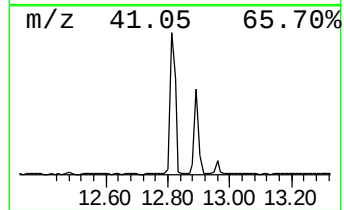
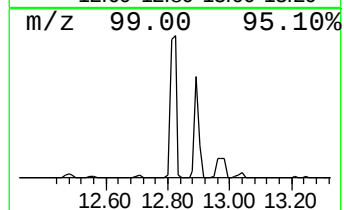
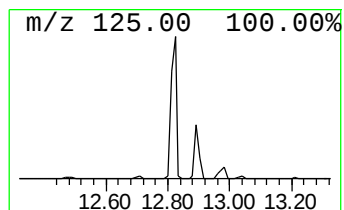
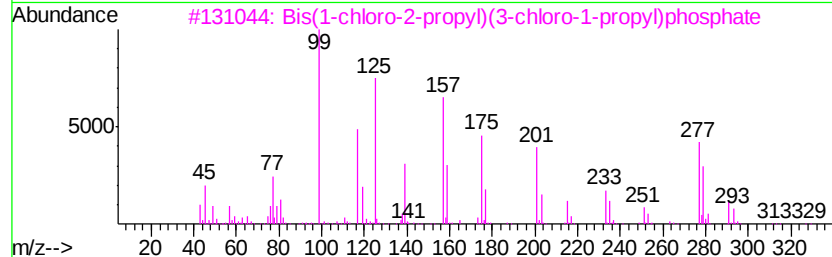
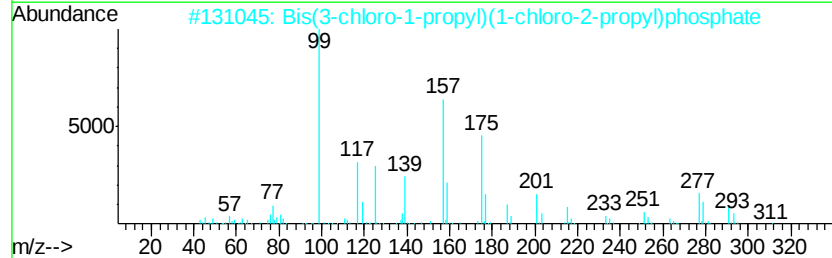
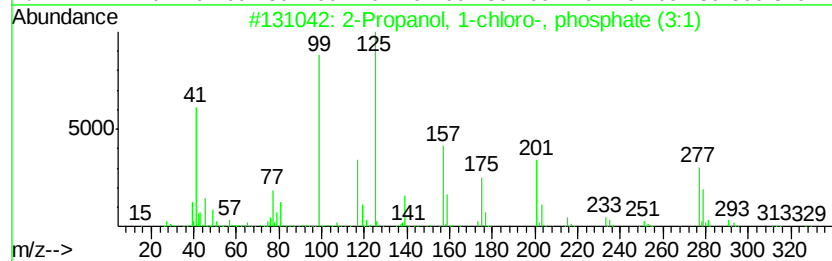
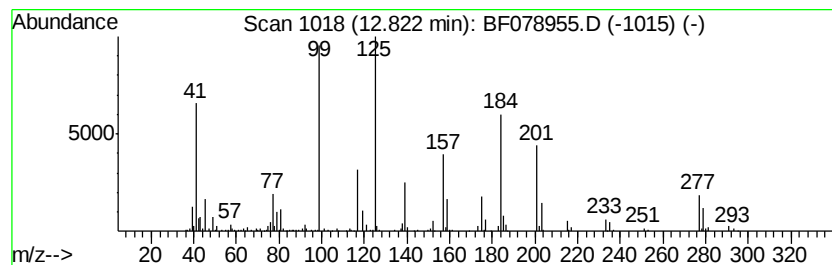
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 2-Propanol, 1-chloro-, phos... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.82	24.37 ng	942088	Phenanthrene-d10	12.95		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	58	
2	Bis(3-chloro-1-propyl)(1-chloro-...	326	C9H18Cl3O4P	137888-35-8	32	
3	Bis(1-chloro-2-propyl)(3-chloro-...	326	C9H18Cl3O4P	137909-40-1	10	
4	Tris(3-chloropropyl) phosphate	326	C9H18Cl3O4P	001067-98-7	10	
5	Triisopropylphosphate	224	C9H21O4P	000513-02-0	10	



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
Data File : BF078955.D
Acq On : 6 May 2015 12:46
Operator : TP/IZ
Sample : G2114-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

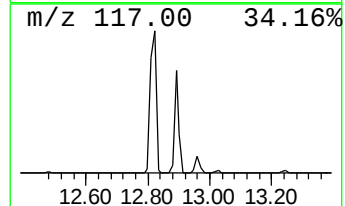
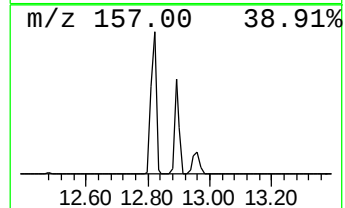
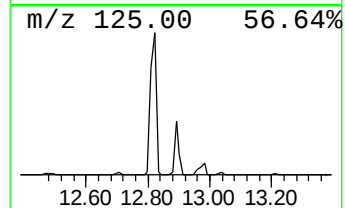
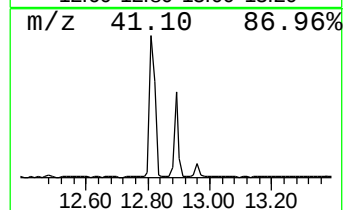
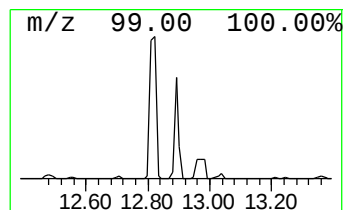
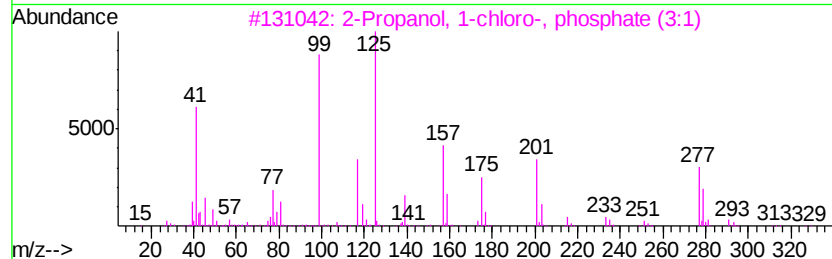
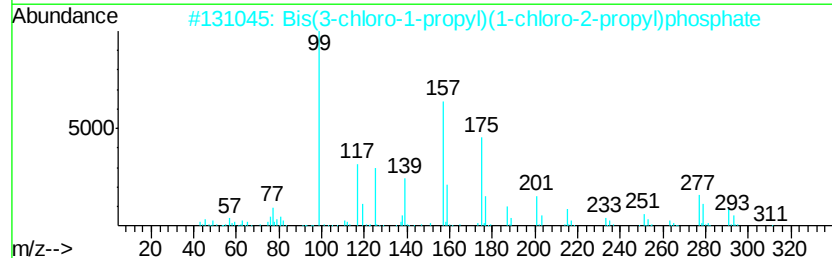
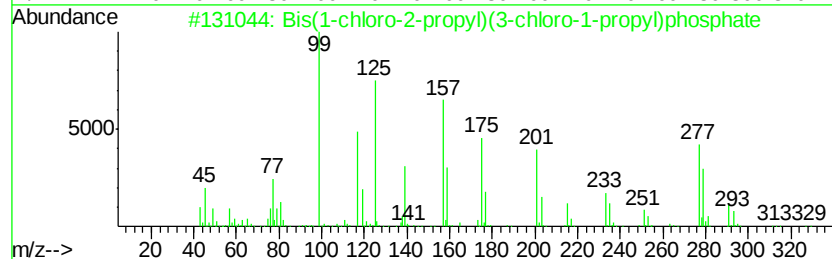
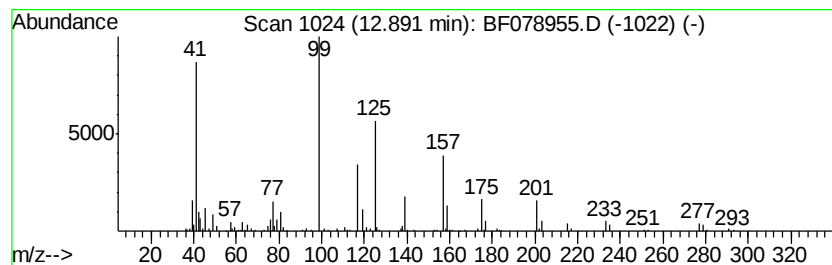
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Bis(1-chloro-2-propyl)(3-ch... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.89	8.51 ng	329010	Phenanthrene-d10	12.95		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Bis(1-chloro-2-propyl)(3-chloro-...	326	C9H18Cl3O4P	137909-40-1	74
2		Bis(3-chloro-1-propyl)(1-chloro-...	326	C9H18Cl3O4P	137888-35-8	50
3		2-Propanol, 1-chloro-, phosphate...	326	C9H18Cl3O4P	013674-84-5	45
4		Tris(3-chloropropyl) phosphate	326	C9H18Cl3O4P	001067-98-7	42
5		Sarin	140	C4H10FO2P	000107-44-8	32



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
Data File : BF078955.D
Acq On : 6 May 2015 12:46
Operator : TP/IZ
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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
GRID-1(6-12)

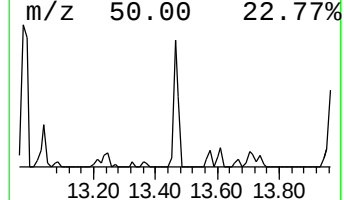
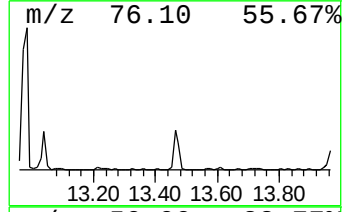
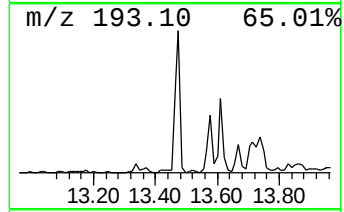
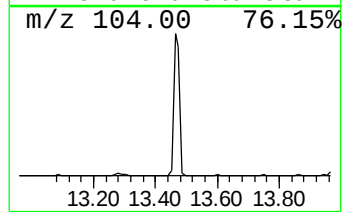
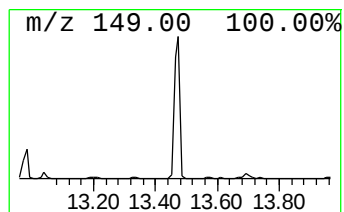
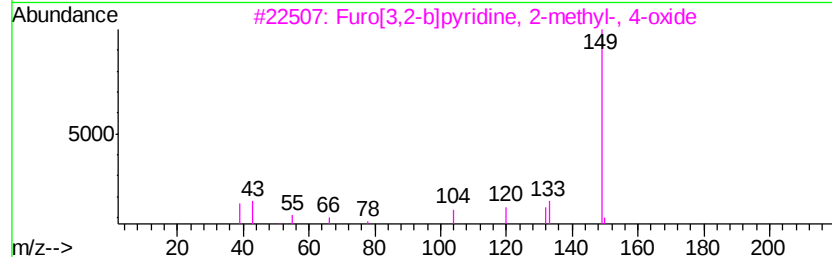
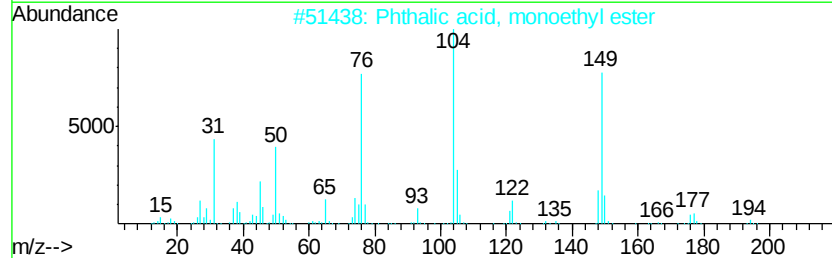
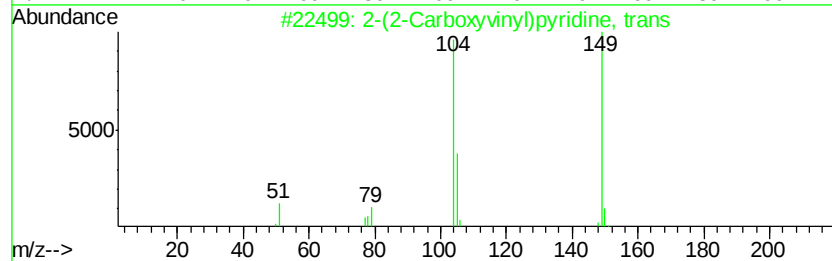
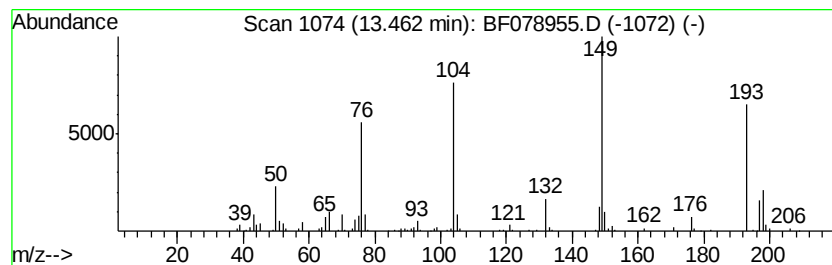
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 unknown13.46 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	11.09 ng	428820	Phenanthrene-d10	12.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-(2-Carboxyvinyl)pyridine, trans	149	C8H7NO2	007340-22-9	43
2		Phthalic acid, monoethyl ester	194	C10H10O4	002306-33-4	37
3		Furo[3,2-b]pyridine, 2-methyl-, ...	149	C8H7NO2	069022-83-9	22
4		p-Methoxyphenyl isocyanate	149	C8H7NO2	002983-74-6	18
5		5H-PYRROLO(3,2-D)PYRIMIDINE-2,4-...	149	C6H7N5	1000244-21-4	18



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
Data File : BF078955.D
Acq On : 6 May 2015 12:46
Operator : TP/IZ
Sample : G2114-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

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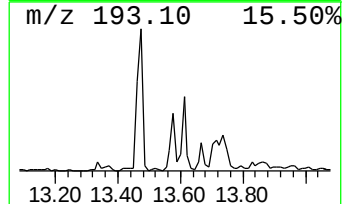
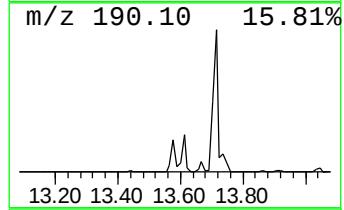
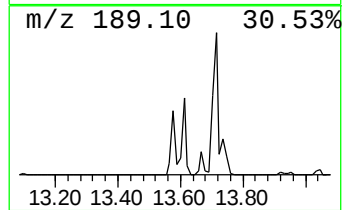
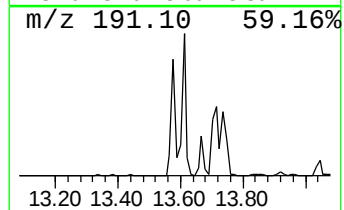
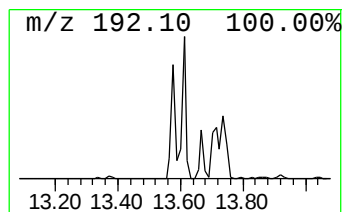
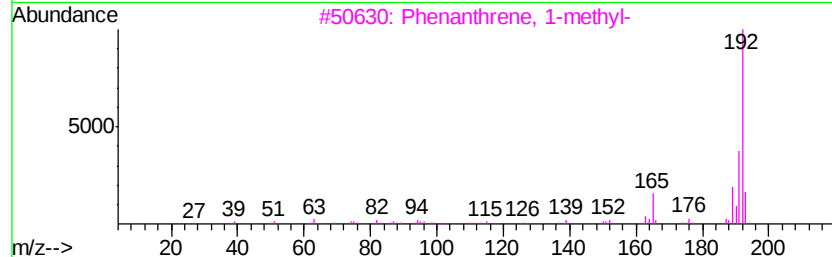
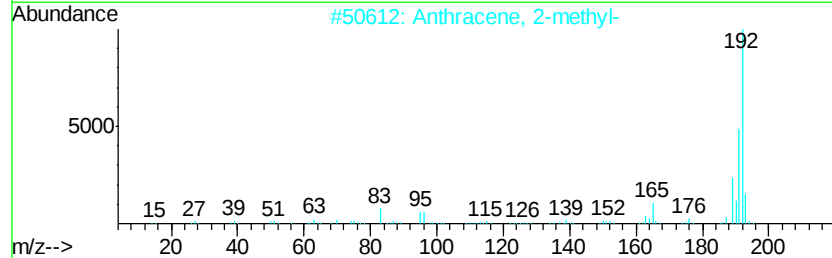
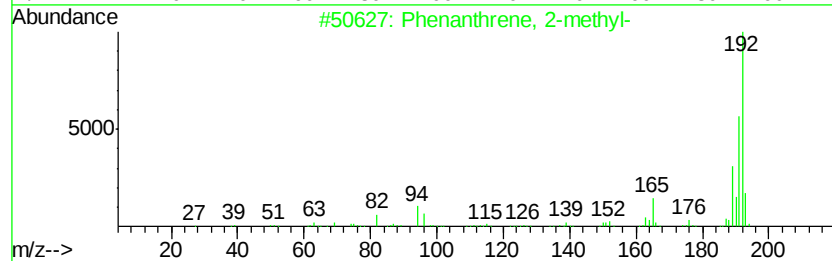
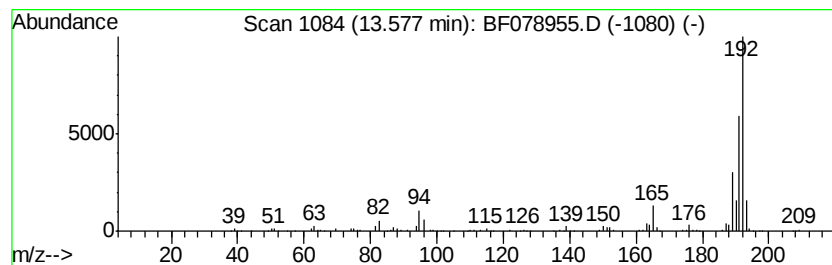
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.58	12.15 ng	469508	Phenanthrene-d10	12.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
Data File : BF078955.D
Acq On : 6 May 2015 12:46
Operator : TP/IZ
Sample : G2114-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

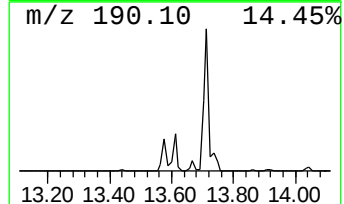
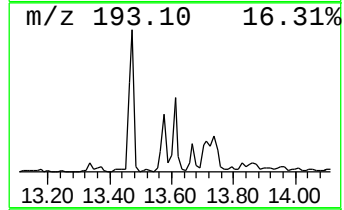
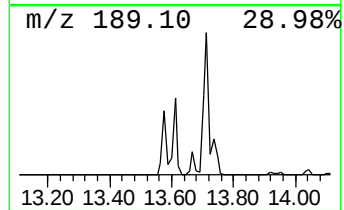
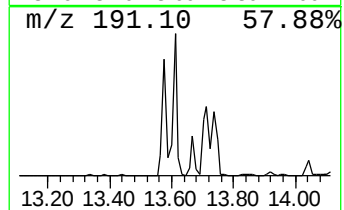
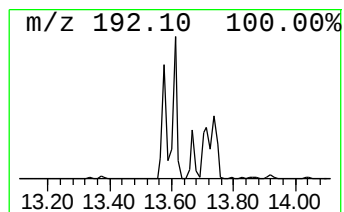
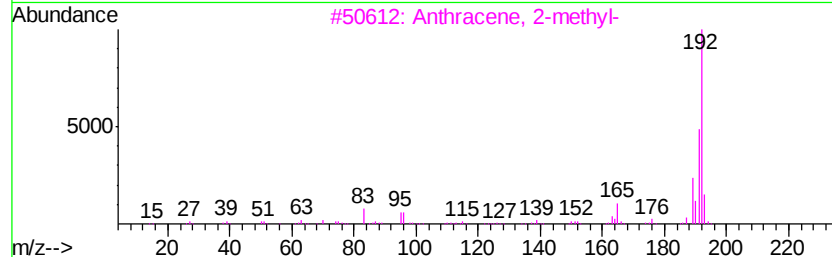
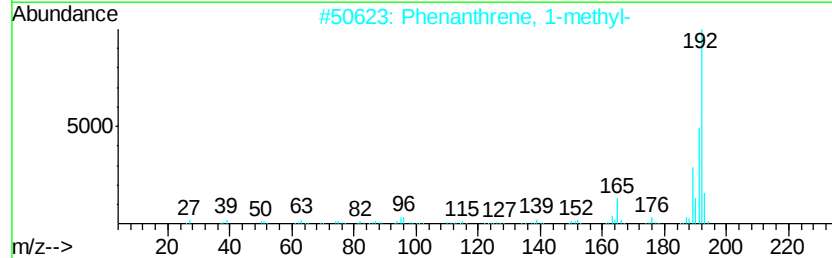
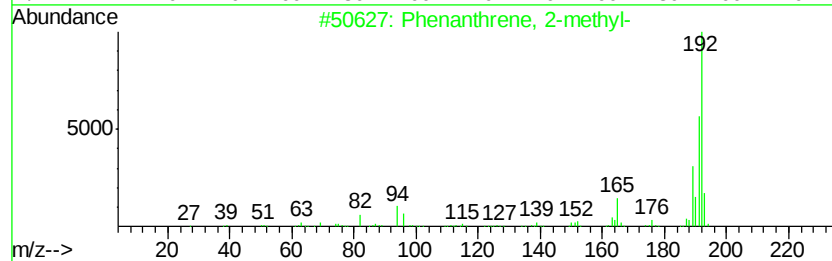
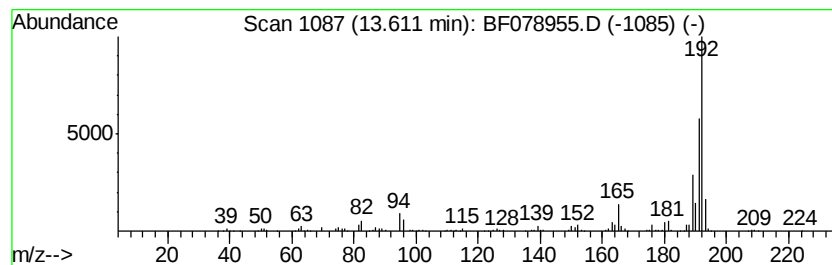
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.61	15.05 ng	581731	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-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
Data File : BF078955.D
Acq On : 6 May 2015 12:46
Operator : TP/IZ
Sample : G2114-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

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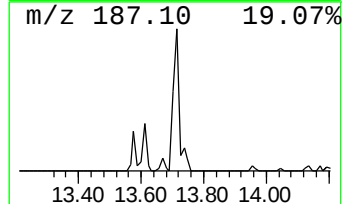
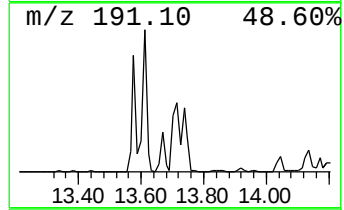
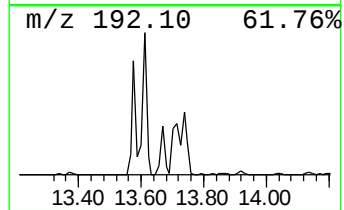
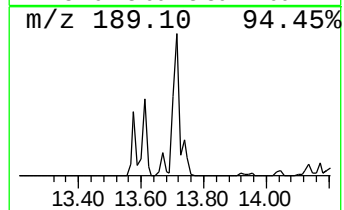
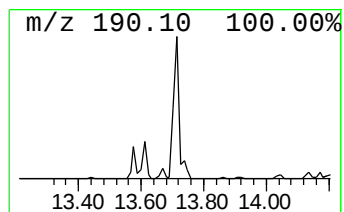
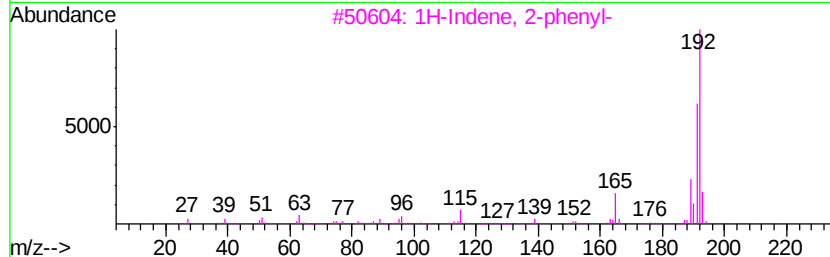
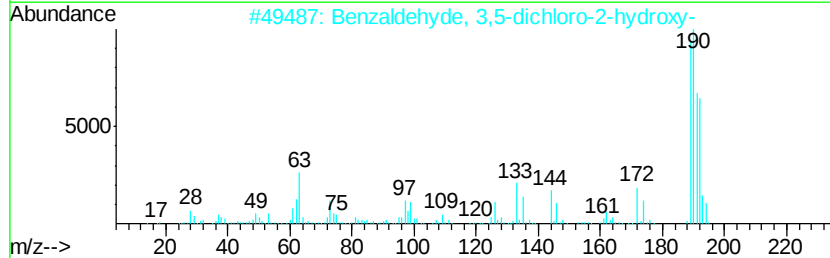
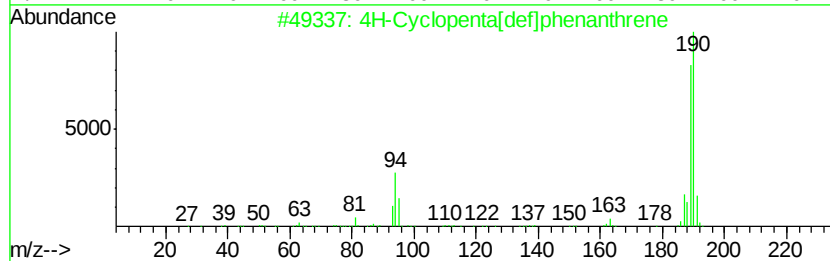
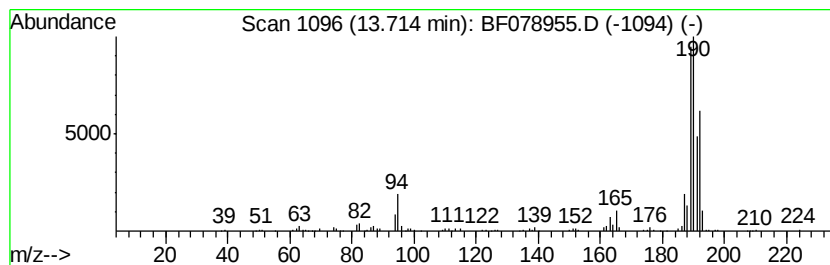
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.71	17.78 ng	687242	Phenanthrene-d10	12.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2		Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	25



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
Data File : BF078955.D
Acq On : 6 May 2015 12:46
Operator : TP/IZ
Sample : G2114-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GRID-1(6-12)

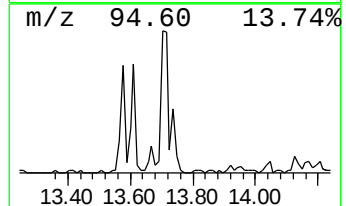
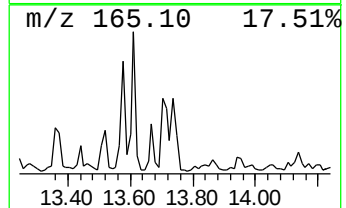
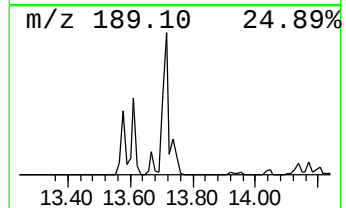
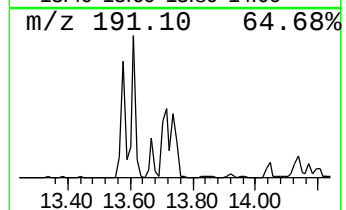
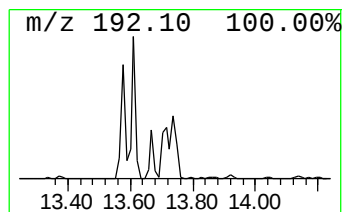
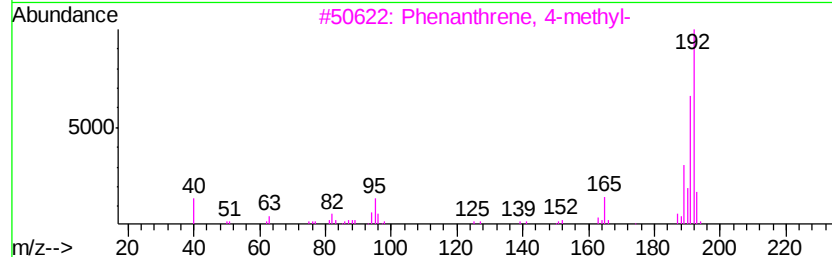
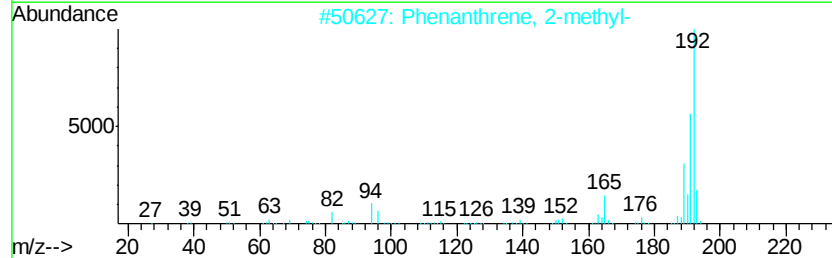
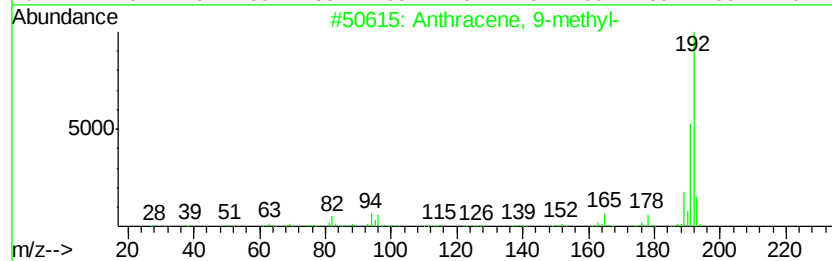
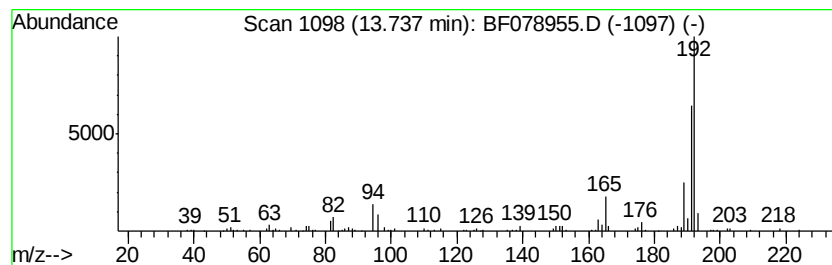
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Anthracene, 9-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	7.54 ng	291542	Phenanthrene-d10	12.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	76
3		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	70
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	70
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
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Sample : G2114-02
Misc :
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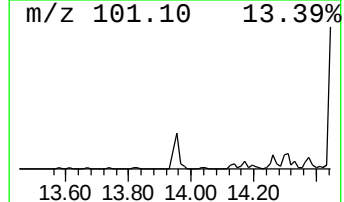
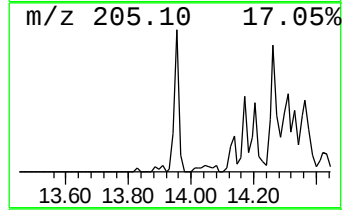
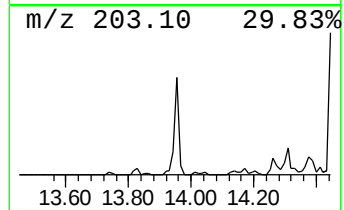
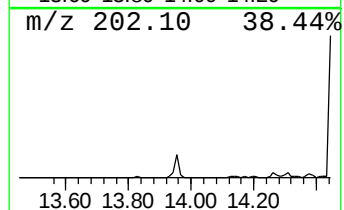
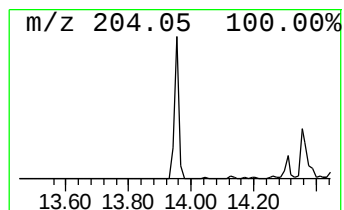
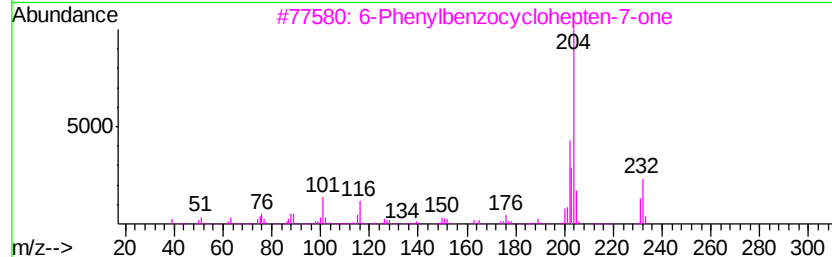
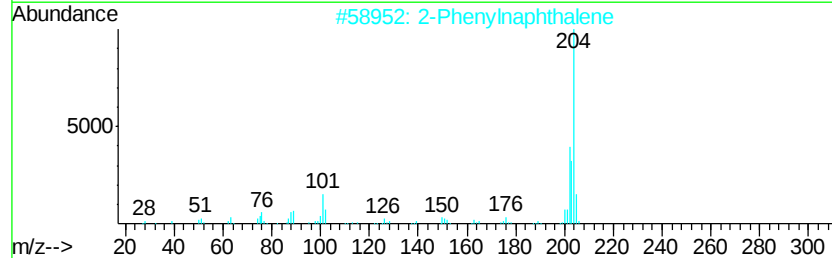
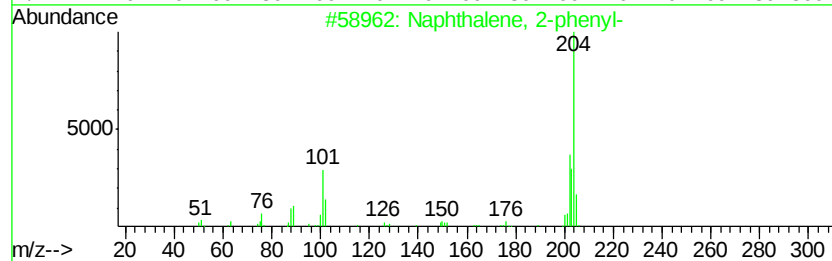
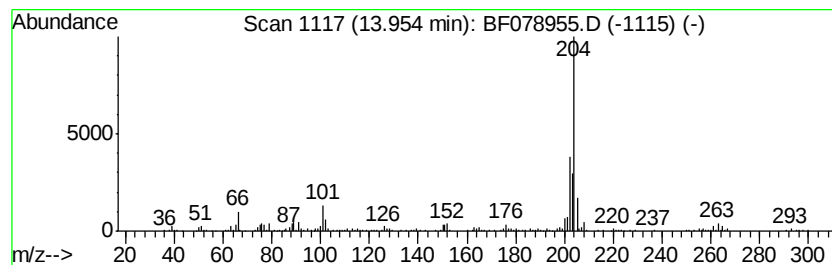
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.
13.95	15.86 ng	613014	Phenanthrene-d10		12.95
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
2	2-Phenylnaphthalene	204	C16H12	035465-71-5	83
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	80
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
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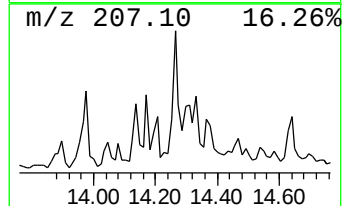
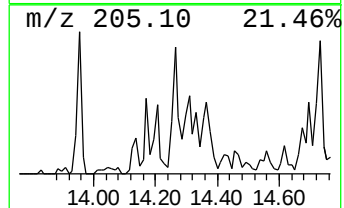
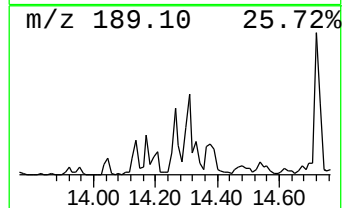
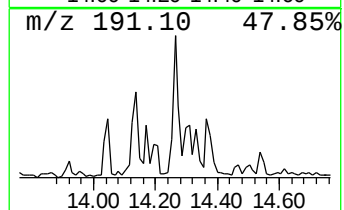
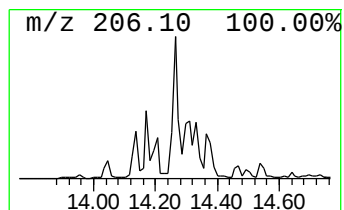
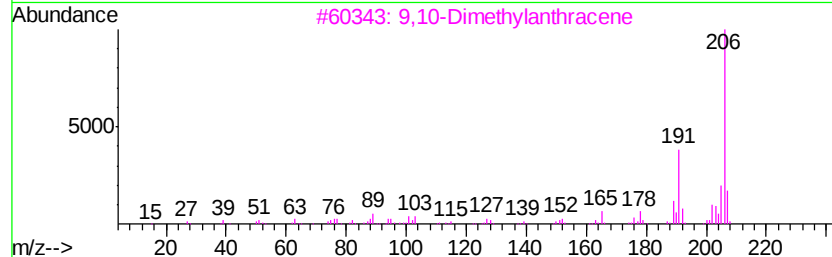
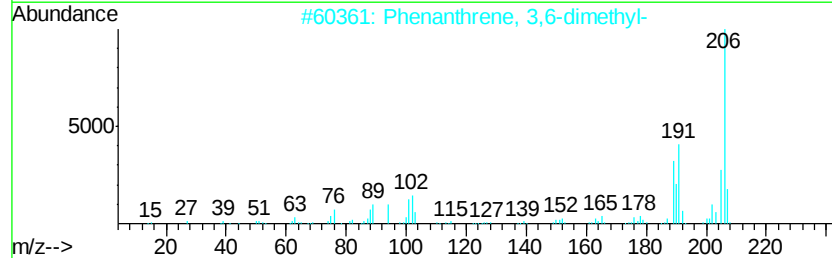
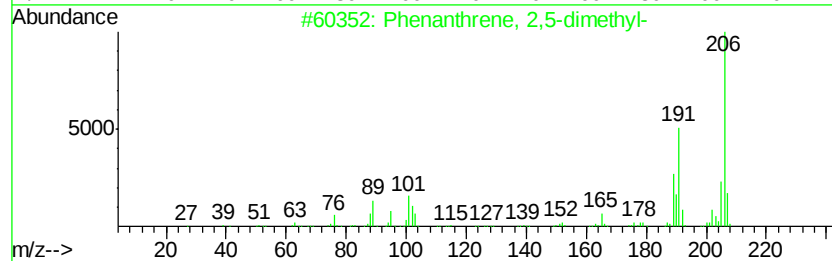
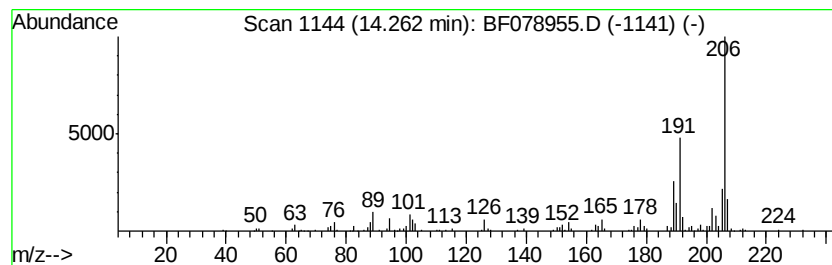
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Phenanthrene, 2,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD		R.T.
14.26	7.69 ng	297174	Phenanthrene-d10		12.95
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	92



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
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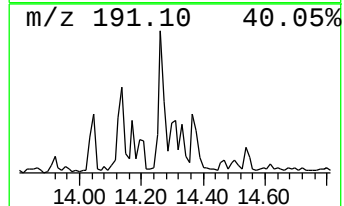
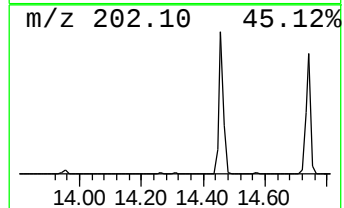
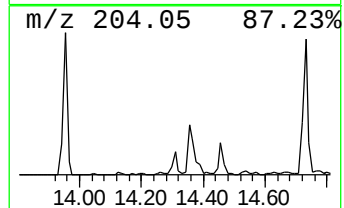
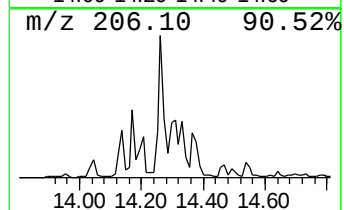
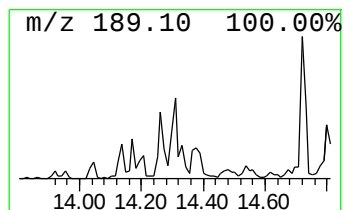
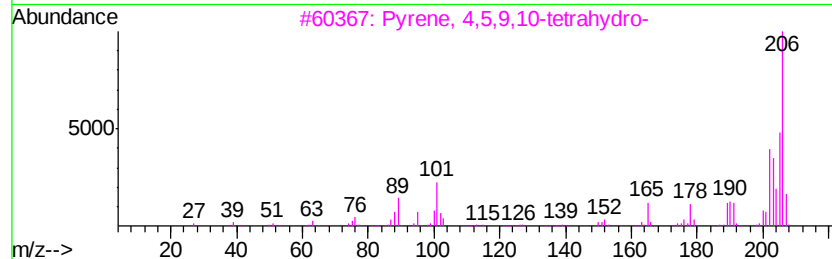
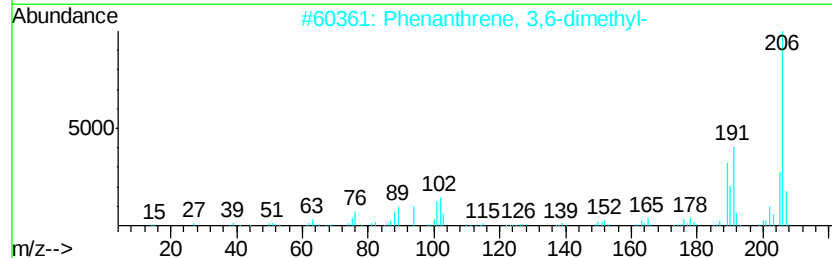
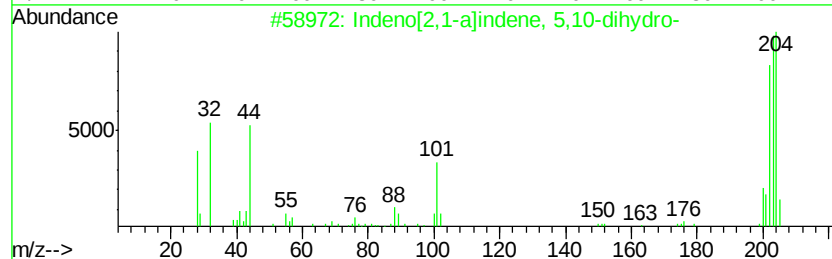
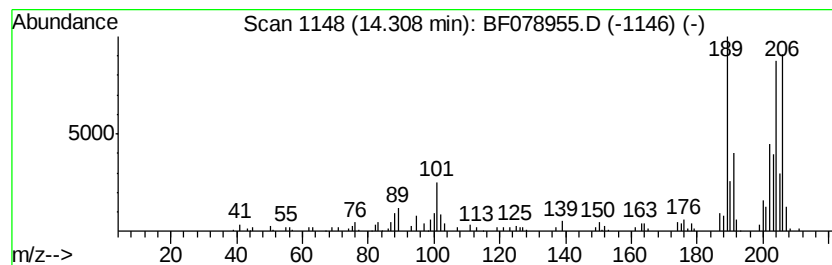
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown14.31 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.		
14.31	6.82 ng	263643	Phenanthrene-d10		12.95		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	41
2			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
3			Pvrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	35
4			9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35
5			Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	30



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
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Sample : G2114-02
Misc :
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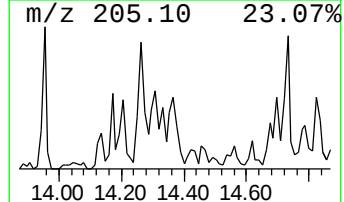
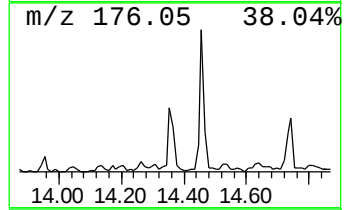
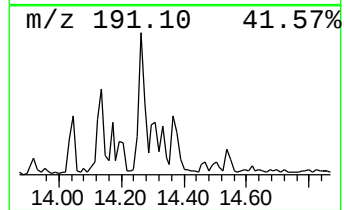
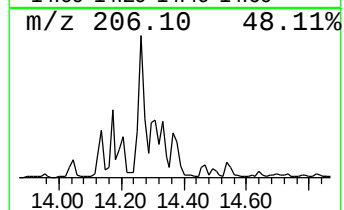
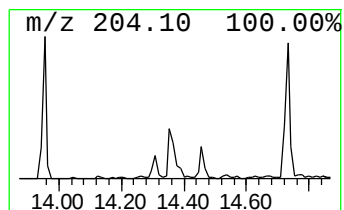
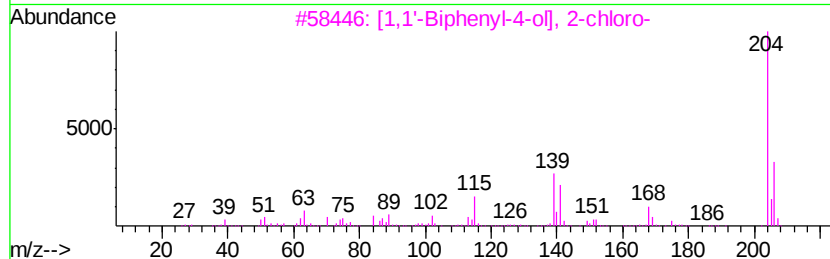
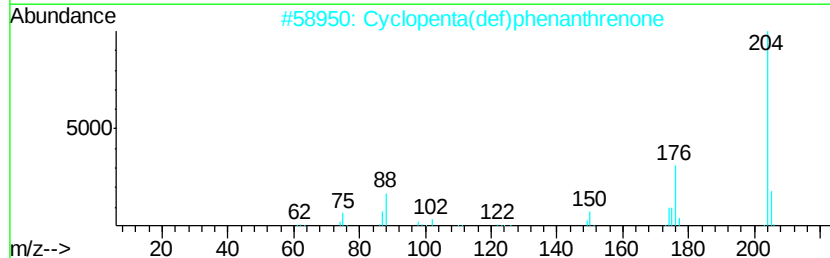
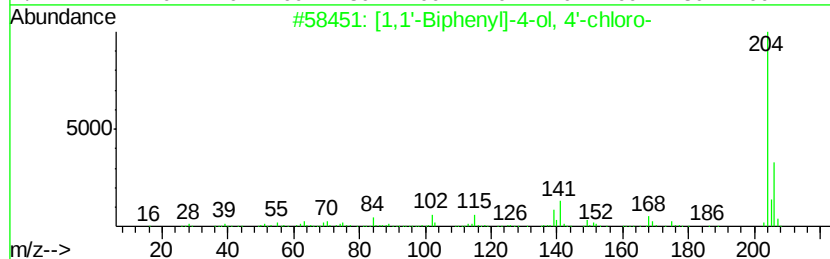
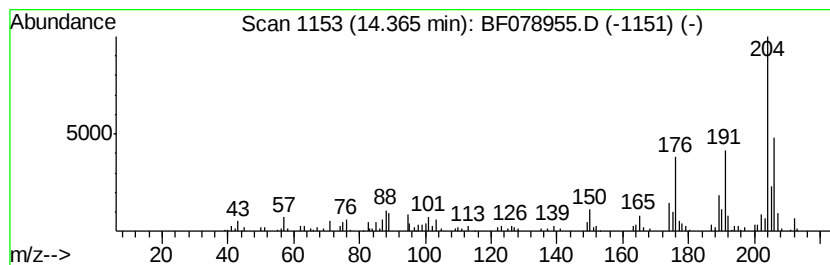
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 unknown14.37 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.37	6.60 ng	255192	Phenanthrene-d10	12.95	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	46
2	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	46
3	[1,1'-Biphenyl]-4-ol, 2-chloro-	204	C12H9ClO	023719-22-4	43
4	Benzene, 1-chloro-4-phenoxy-	204	C12H9ClO	007005-72-3	38
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050615\
Data File : BF078955.D
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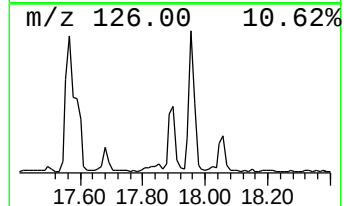
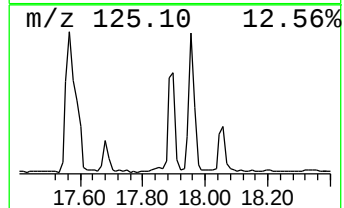
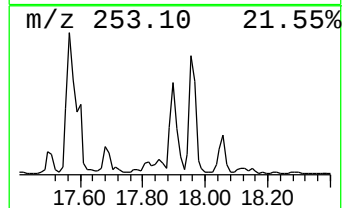
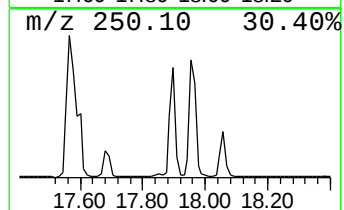
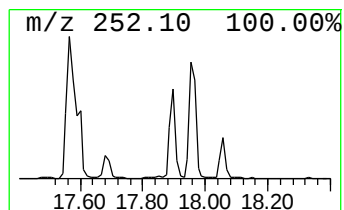
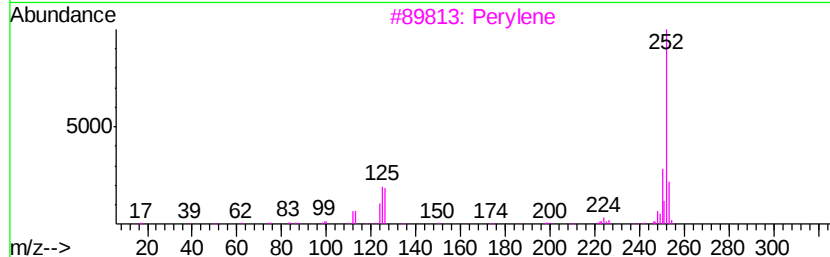
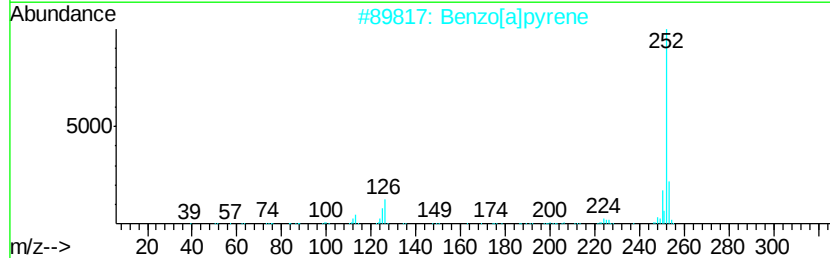
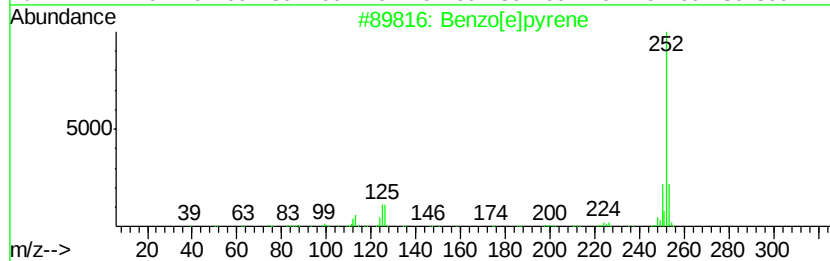
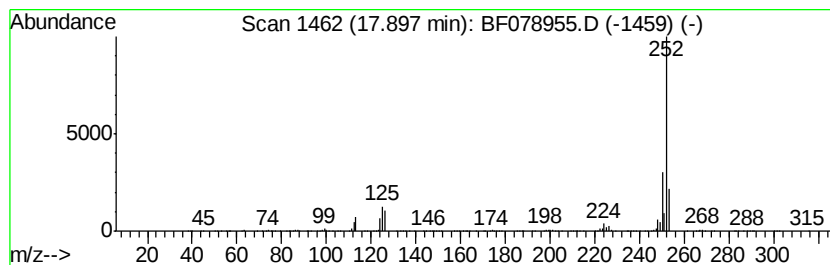
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Benzo[e]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.90	12.76 ng	804340	Perylene-d12	18.02

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	96
3		Perylene	252	C20H12	000198-55-0	96
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050615\
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 Sample : G2114-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID-1(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...	1.50	215.4	ng	4472340	1	7.35	415241	20.0
Butane, 2-methoxy...	1.82	11.5	ng	238929	1	7.35	415241	20.0
unknown7.05	7.05	65.0	ng	1350670	1	7.35	415241	20.0
Benzophenone	12.00	8.6	ng	282776	3	11.10	659801	20.0
2-Propanol, 1-chl...	12.82	24.4	ng	942088	4	12.95	773021	20.0
Bis(1-chloro-2-pr...	12.89	8.5	ng	329010	4	12.95	773021	20.0
unknown13.46	13.46	11.1	ng	428820	4	12.95	773021	20.0
Phenanthrene, 2-m...	13.58	12.2	ng	469508	4	12.95	773021	20.0
Phenanthrene, 1-m...	13.61	15.1	ng	581731	4	12.95	773021	20.0
4H-Cyclopenta[def...	13.71	17.8	ng	687242	4	12.95	773021	20.0
Anthracene, 9-met...	13.74	7.5	ng	291542	4	12.95	773021	20.0
Naphthalene, 2-ph...	13.95	15.9	ng	613014	4	12.95	773021	20.0
Phenanthrene, 2,5...	14.26	7.7	ng	297174	4	12.95	773021	20.0
unknown14.31	14.31	6.8	ng	263643	4	12.95	773021	20.0
unknown14.37	14.37	6.6	ng	255192	4	12.95	773021	20.0
Benzo[e]pyrene	17.90	12.8	ng	804340	6	18.02	1261170	20.0