

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
 Data File : BF078501.D
 Acq On : 14 Apr 2015 12:46
 Operator : TP/IZ
 Sample : G1850-04
 Misc :
 ALS Vial : 40 Sample Multiplier: 0.5

Instrument :
 BNA_F
 ClientSampleId :
 SB-10DA

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-BF040115.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	1.255	4	6	27	rVB2	90041	218696	8.76%	0.596%
2	1.507	27	28	35	rVV	237717	396649	15.89%	1.080%
3	1.610	35	37	64	rVB	809761	1647226	65.99%	4.487%
4	4.501	288	290	300	rBV	150057	257829	10.33%	0.702%
5	5.084	338	341	344	rBV	1217796	1821968	72.99%	4.963%
6	6.433	456	459	462	rBV	1363207	1870321	74.93%	5.094%
7	6.547	466	469	471	rBV	1972080	1951035	78.16%	5.314%
8	6.833	492	494	496	rBV	177391	187932	7.53%	0.512%
9	7.016	507	510	512	rBV	1343502	1266591	50.74%	3.450%
10	7.050	512	513	515	rVV	55476	40225	1.61%	0.110%
11	7.530	553	555	558	rVV	841686	1119170	44.84%	3.048%
12	8.102	603	605	607	rBV	30082	48870	1.96%	0.133%
13	8.148	607	609	614	rVB2	41586	73967	2.96%	0.201%
14	8.410	629	632	633	rBV	256655	442522	17.73%	1.205%
15	8.433	633	634	637	rVB	1628004	1280313	51.29%	3.487%
16	9.290	707	709	712	rBV	697115	617467	24.74%	1.682%
17	9.405	717	719	722	rBV	404241	436157	17.47%	1.188%
18	9.759	747	750	752	rVB	2089719	1953914	78.28%	5.322%
19	9.873	757	760	762	rBV	302187	281421	11.27%	0.767%
20	9.988	767	770	773	rVB	179648	264329	10.59%	0.720%
21	10.068	775	777	779	rBV	69629	115505	4.63%	0.315%
22	10.159	782	785	786	rBV	154045	177078	7.09%	0.482%
23	10.182	786	787	791	rVV2	54253	97654	3.91%	0.266%
24	10.273	793	795	796	rVV	51964	78621	3.15%	0.214%
25	10.296	796	797	803	rVB	81227	92444	3.70%	0.252%
26	10.388	803	805	808	rVB2	145294	167225	6.70%	0.455%
27	10.559	818	820	822	rBV	289502	422155	16.91%	1.150%
28	10.605	822	824	826	rVV	947502	846271	33.90%	2.305%
29	10.822	841	843	846	rBV2	51330	77338	3.10%	0.211%
30	10.959	852	855	857	rVV2	57148	74721	2.99%	0.204%
31	11.005	857	859	863	rVB3	24603	42800	1.71%	0.117%
32	11.085	863	866	868	rBV2	20386	51054	2.05%	0.139%
33	11.119	868	869	872	rVB	87710	99578	3.99%	0.271%
34	11.199	872	876	878	rBV3	54720	135674	5.44%	0.370%

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35	11.245	878	880	882	rVB	377941	474995	19.03%	1.294%
36	11.314	882	886	888	rBV2	42407	88939	3.56%	0.242%
37	11.348	888	889	890	rVV	54287	49756	1.99%	0.136%
38	11.371	890	891	896	rVV2	77858	88510	3.55%	0.241%
39	11.462	896	899	901	rVV3	75510	119414	4.78%	0.325%
40	11.508	901	903	904	rVV	119109	121832	4.88%	0.332%
41	11.542	904	906	909	rVV	1410364	1474294	59.06%	4.016%
42	11.919	936	939	940	rVV	95579	136702	5.48%	0.372%
43	11.954	940	942	944	rVV	76089	88101	3.53%	0.240%
44	12.022	946	948	950	rVV	55640	68417	2.74%	0.186%
45	12.102	952	955	957	rVV3	26357	50331	2.02%	0.137%
46	12.262	967	969	972	rVV2	55313	69651	2.79%	0.190%
47	12.388	978	980	981	rBV	321047	340219	13.63%	0.927%
48	12.422	981	983	985	rVV	2017997	1966048	78.76%	5.355%
49	12.479	985	988	991	rVV	689287	650977	26.08%	1.773%
50	12.548	991	994	995	rVV2	31461	60983	2.44%	0.166%
51	12.571	995	996	1000	rVV2	36139	51750	2.07%	0.141%
52	12.777	1012	1014	1017	rVV2	73271	95852	3.84%	0.261%
53	12.845	1017	1020	1023	rVB2	29315	49586	1.99%	0.135%
54	13.017	1032	1035	1036	rBV	239428	259613	10.40%	0.707%
55	13.051	1036	1038	1040	rVV	239348	275222	11.03%	0.750%
56	13.108	1041	1043	1044	rBV	117420	127707	5.12%	0.348%
57	13.142	1044	1046	1048	rVV	455684	534123	21.40%	1.455%
58	13.177	1048	1049	1051	rVV	157459	122811	4.92%	0.335%
59	13.394	1065	1068	1070	rVB	159430	187964	7.53%	0.512%
60	13.577	1082	1084	1086	rBV3	48908	83985	3.36%	0.229%
61	13.691	1091	1094	1096	rBV	107643	151471	6.07%	0.413%
62	13.737	1096	1098	1099	rVV	73905	102768	4.12%	0.280%
63	13.760	1099	1100	1102	rVV2	48008	60158	2.41%	0.164%
64	13.805	1102	1104	1108	rVV2	42839	92906	3.72%	0.253%
65	13.874	1108	1110	1113	rVV	571489	812074	32.53%	2.212%
66	13.920	1113	1114	1116	rVV2	41690	51433	2.06%	0.140%
67	13.965	1116	1118	1119	rVV	52844	49363	1.98%	0.134%
68	14.000	1119	1121	1123	rVB	181440	219231	8.78%	0.597%
69	14.160	1132	1135	1137	rBV	928333	1248891	50.03%	3.402%
70	14.377	1151	1154	1157	rVB	1900893	2496158	100.00%	6.799%
71	14.445	1157	1160	1164	rVB	57394	90426	3.62%	0.246%

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72	14.548	1165	1169	1170	rBV2	66025	146797	5.88%	0.400%
73	14.571	1170	1171	1174	rVB	157686	152388	6.10%	0.415%
74	14.651	1176	1178	1180	rBV	124776	150430	6.03%	0.410%
75	14.697	1180	1182	1184	rVV	109488	116079	4.65%	0.316%
76	14.800	1187	1191	1193	rBV2	87123	176270	7.06%	0.480%
77	14.845	1193	1195	1200	rVB	88277	132213	5.30%	0.360%
78	15.108	1214	1218	1221	rBV	28325	70834	2.84%	0.193%
79	15.177	1221	1224	1230	rBV3	30052	97871	3.92%	0.267%
80	15.325	1234	1237	1239	rBV2	32668	83259	3.34%	0.227%
81	15.371	1239	1241	1244	rVB2	75910	133212	5.34%	0.363%
82	15.565	1255	1258	1261	rBV2	77502	154654	6.20%	0.421%
83	15.645	1261	1265	1266	rVV2	485237	907131	36.34%	2.471%
84	15.680	1266	1268	1270	rVV	276065	328987	13.18%	0.896%
85	15.771	1274	1276	1278	rVV2	39369	50174	2.01%	0.137%
86	15.828	1278	1281	1283	rVV2	33444	45820	1.84%	0.125%
87	16.148	1306	1309	1310	rVV	78859	108907	4.36%	0.297%
88	16.183	1310	1312	1315	rVB	30434	41046	1.64%	0.112%
89	16.263	1317	1319	1320	rVV	32304	44182	1.77%	0.120%
90	16.320	1322	1324	1325	rVB2	36711	43734	1.75%	0.119%
91	16.846	1368	1370	1374	rVB2	27150	44201	1.77%	0.120%
92	16.937	1375	1378	1383	rVV	144680	350094	14.03%	0.954%
93	17.051	1385	1388	1392	rBV	62700	106667	4.27%	0.291%
94	17.246	1403	1405	1407	rVB	164903	194813	7.80%	0.531%
95	17.314	1408	1411	1413	rVV	246447	342151	13.71%	0.932%
96	17.371	1413	1416	1420	rBV2	275574	454323	18.20%	1.237%
97	18.046	1473	1475	1480	rVB4	62537	126208	5.06%	0.344%
98	18.617	1523	1525	1529	rVB2	70608	130215	5.22%	0.355%
99	18.960	1553	1555	1561	rVB	95532	216868	8.69%	0.591%
100	19.143	1569	1571	1576	rVB	45395	96956	3.88%	0.264%

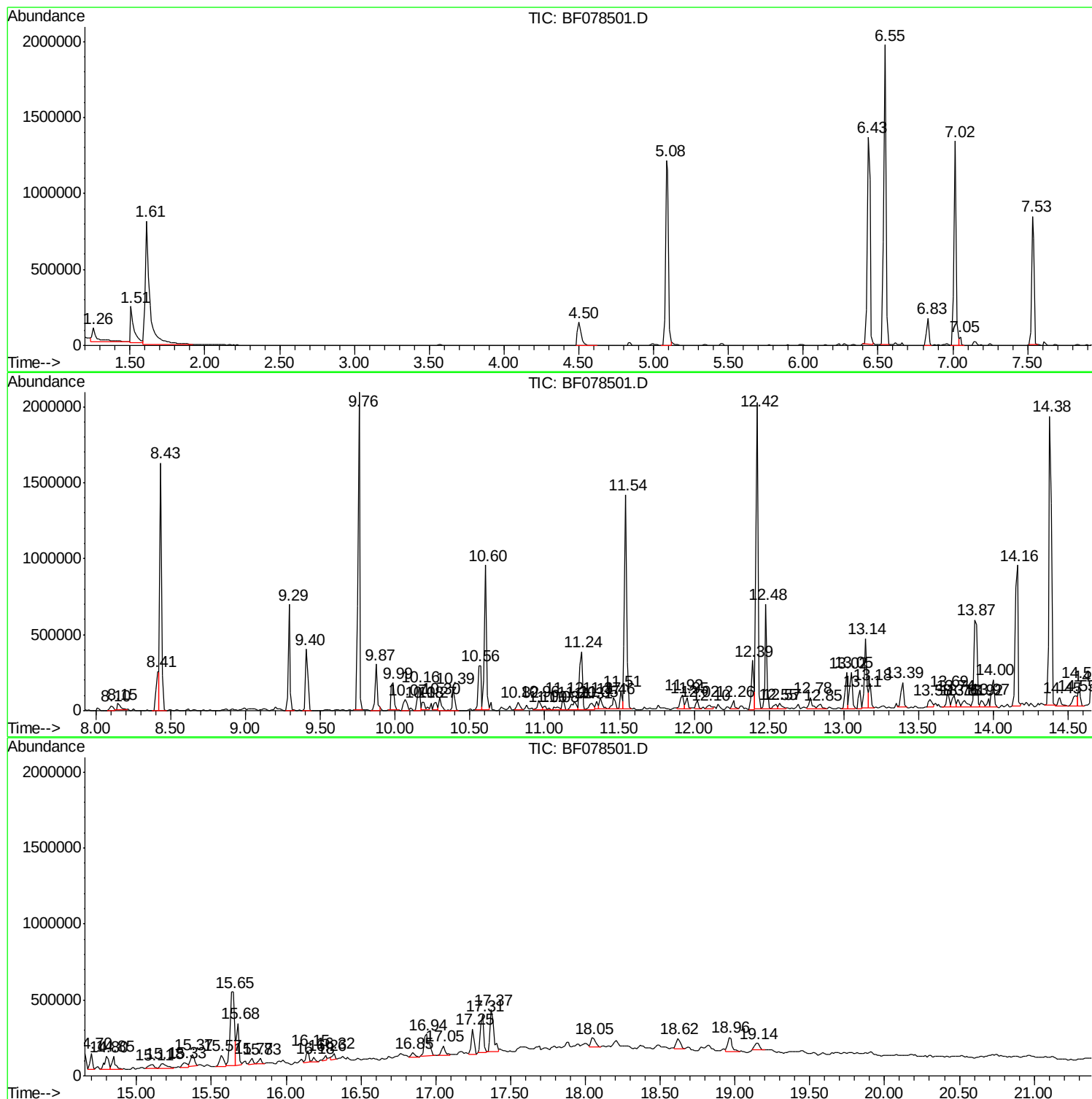
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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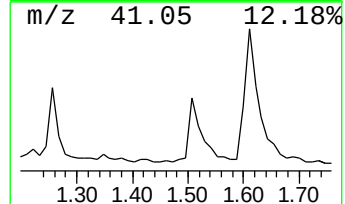
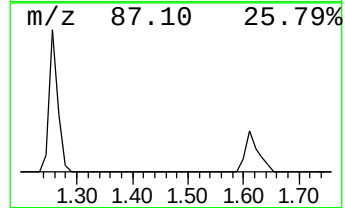
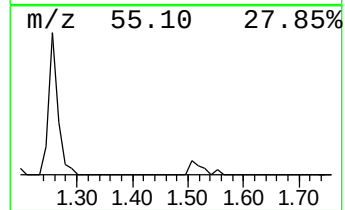
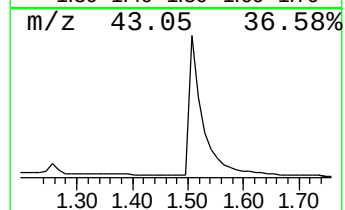
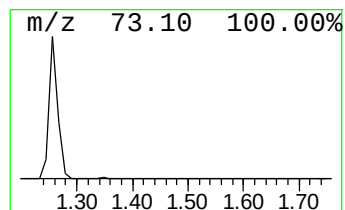
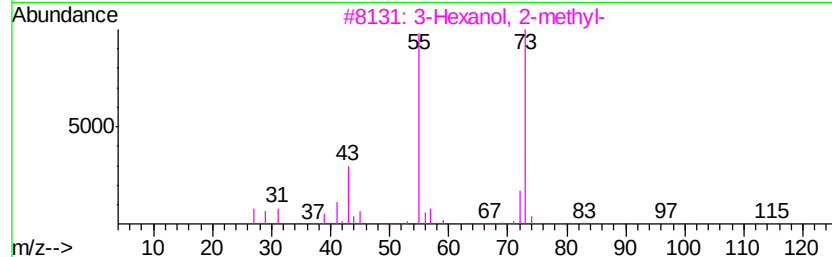
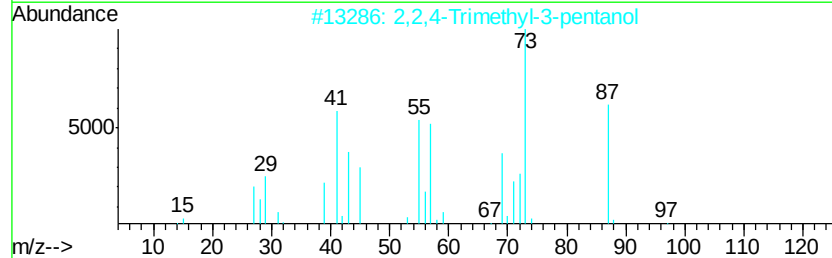
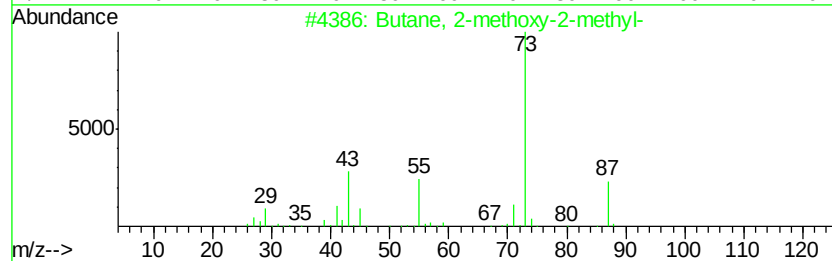
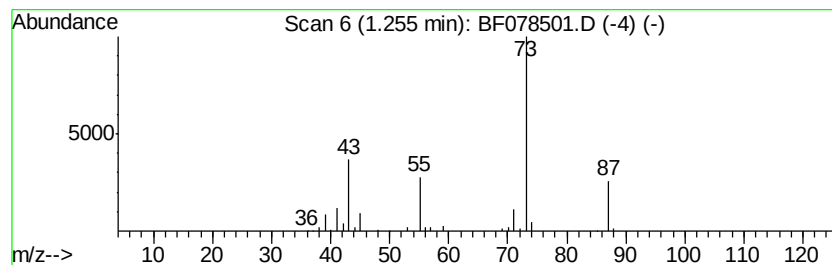
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.26	23.27 ng	218696	1,4-Dichlorobenzene-d4	6.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2		2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3		3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	16
4		Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5		Silane, tetramethyl-	88	C4H12Si	000075-76-3	10



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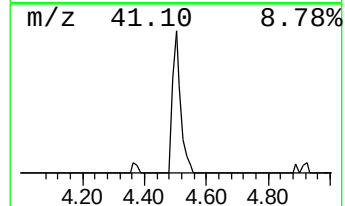
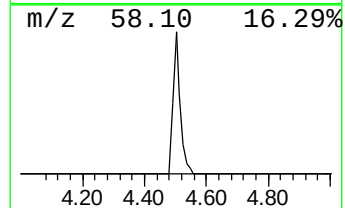
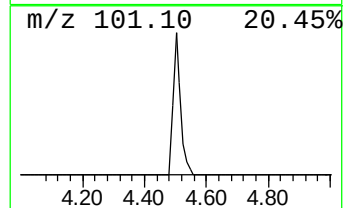
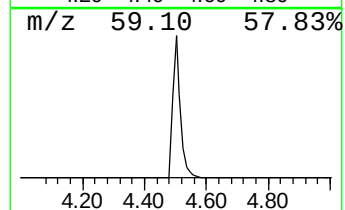
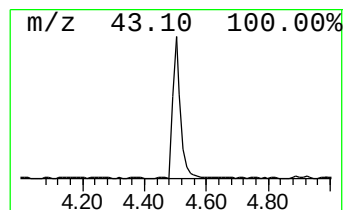
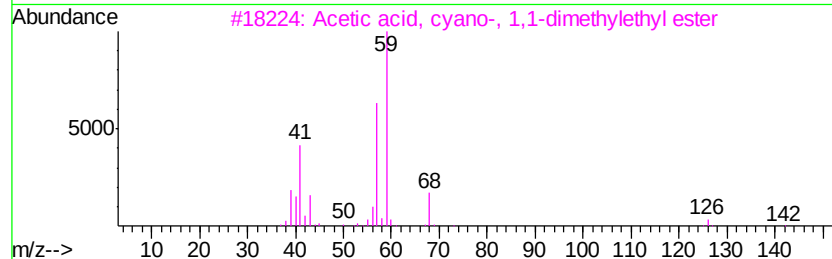
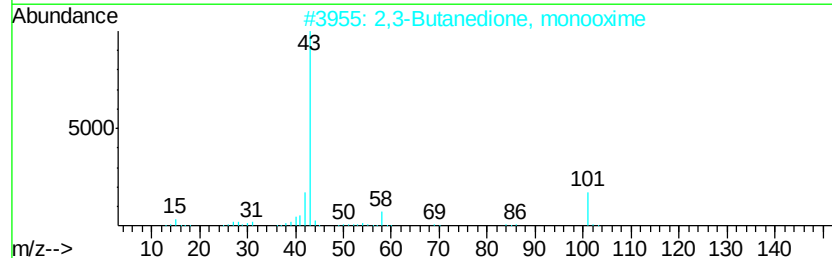
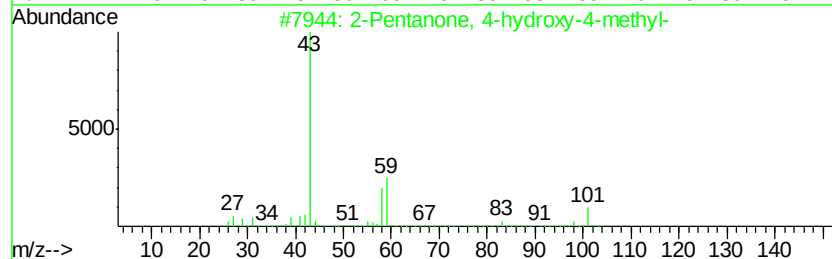
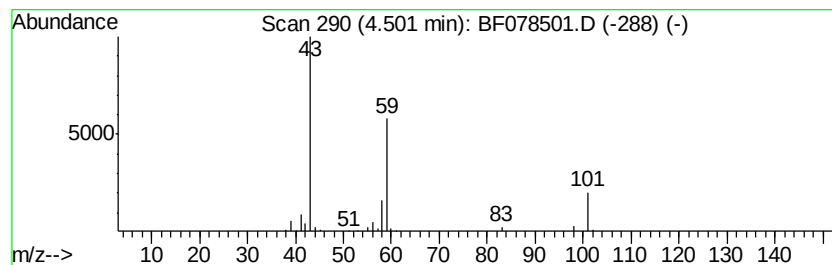
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.50	27.44 ng	257829	1,4-Dichlorobenzene-d4	6.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2		2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5		(+)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9



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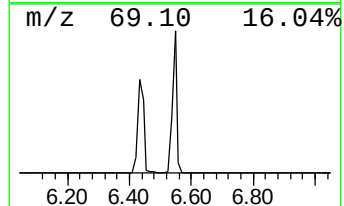
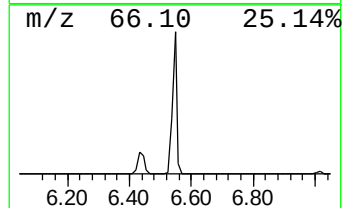
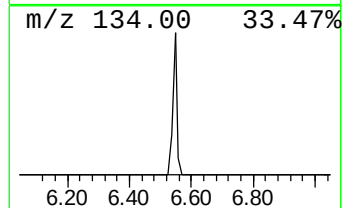
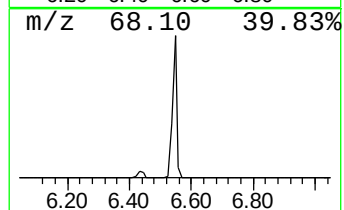
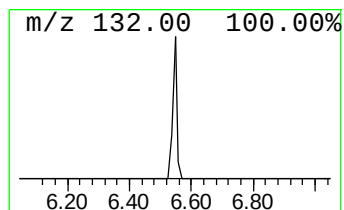
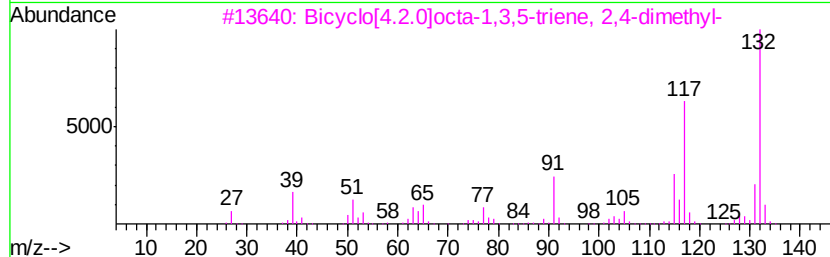
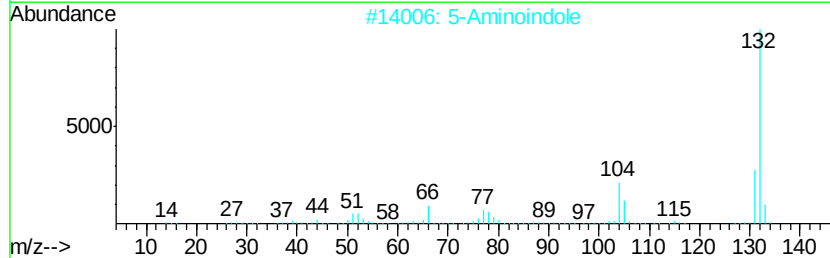
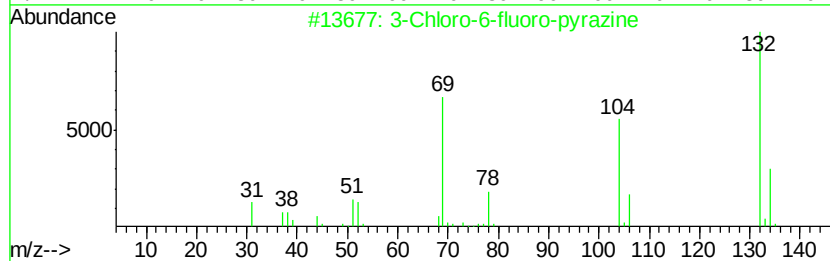
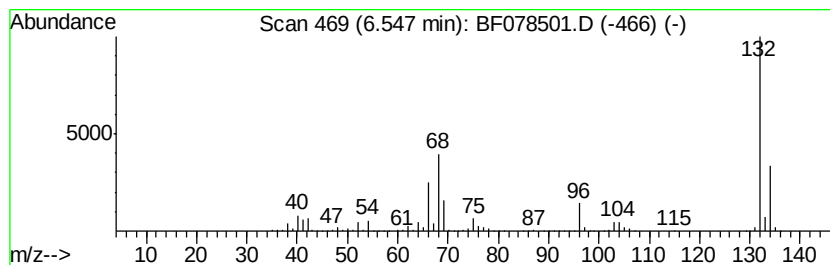
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 5 unknown6.55 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.55	207.63 ng	1951040	1,4-Dichlorobenzene-d4	6.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Aminoindole	132	C8H8N2	005192-03-0	12
3		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
Data File : BF078501.D
Acq On : 14 Apr 2015 12:46
Operator : TP/IZ
Sample : G1850-04
Misc :
ALS Vial : 40 Sample Multiplier: 0.5

Instrument :
BNA_F
ClientSampleId :
SB-10DA

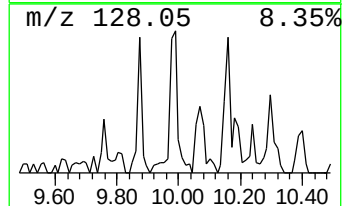
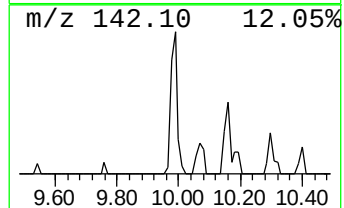
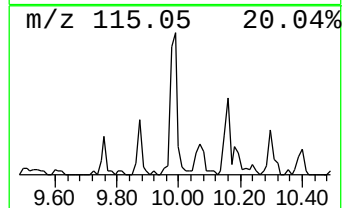
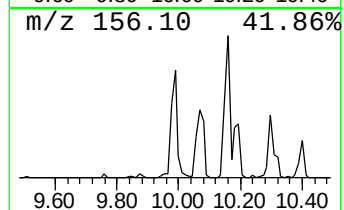
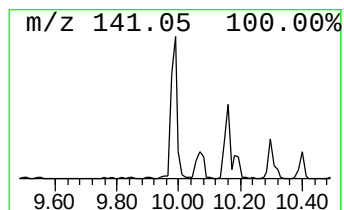
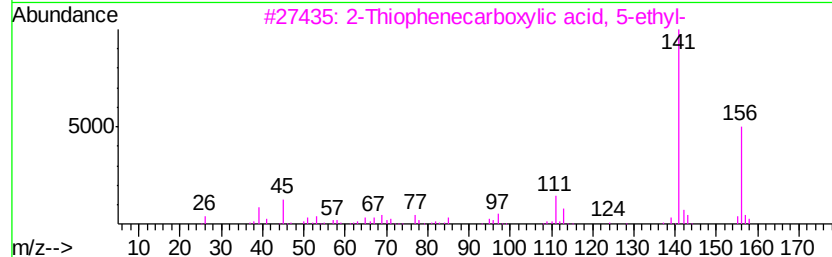
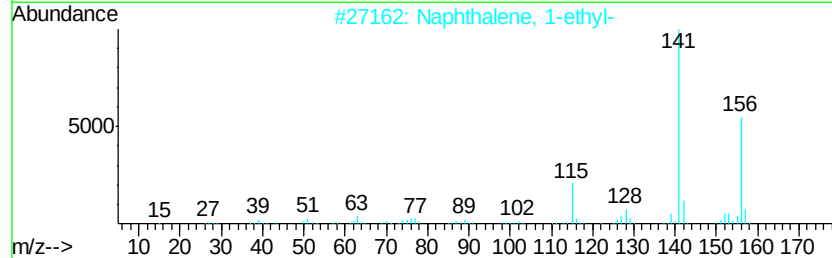
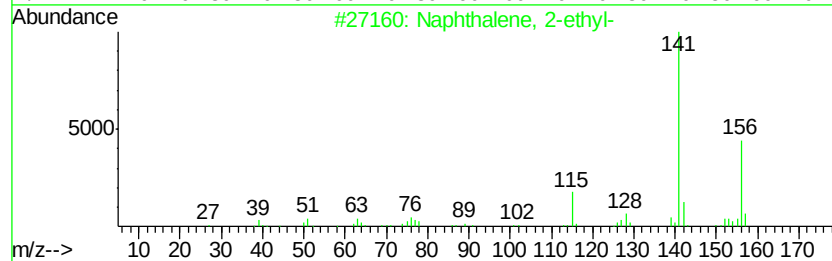
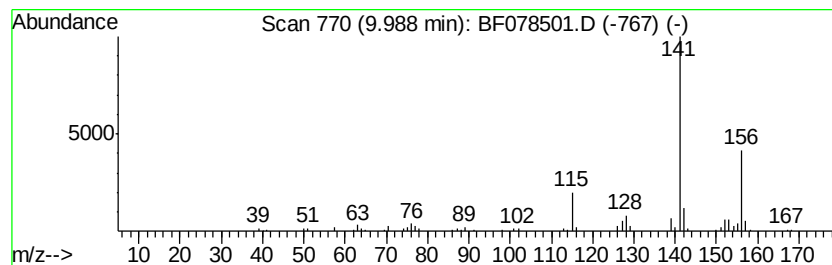
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.99	12.52 ng	264329	Acenaphthene-d10	10.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	97
2		Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
3		2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	64
4		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	62
5		Methyl phenylphosphinic acid	156	C7H9O2P	004271-13-0	45



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
Data File : BF078501.D
Acq On : 14 Apr 2015 12:46
Operator : TP/IZ
Sample : G1850-04
Misc :
ALS Vial : 40 Sample Multiplier: 0.5

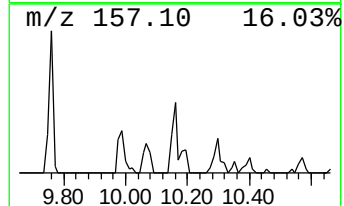
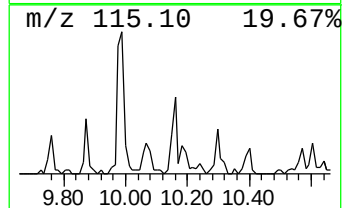
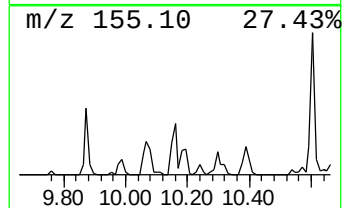
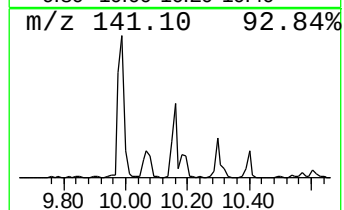
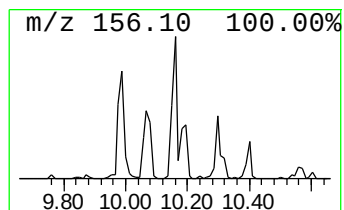
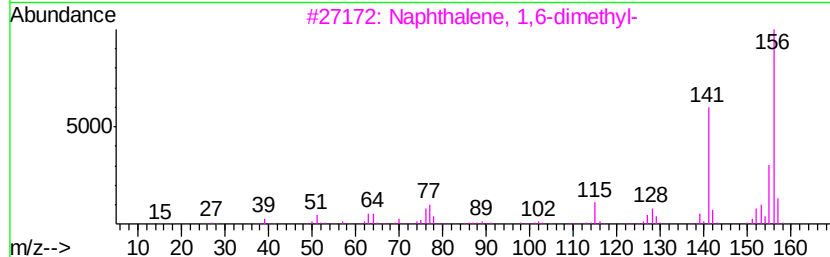
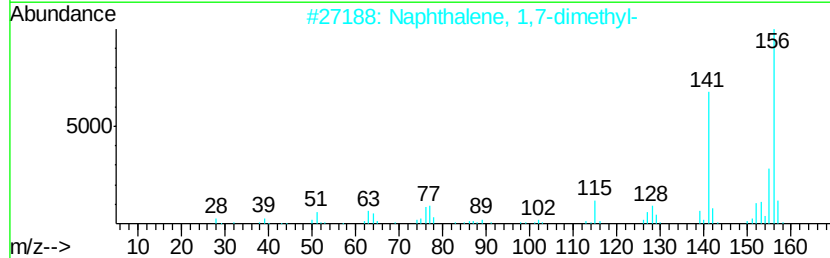
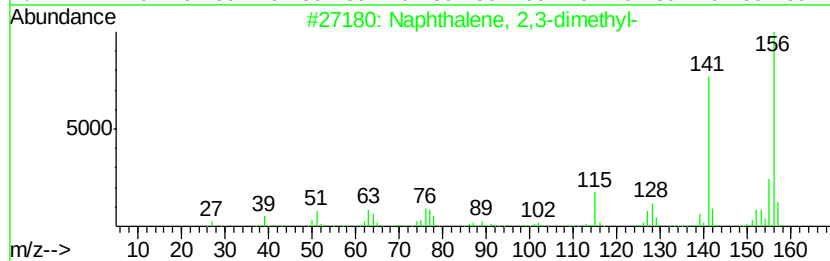
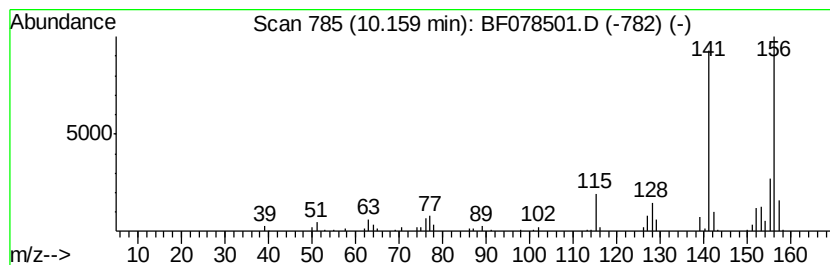
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 2,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.16	8.39 ng	177078	Acenaphthene-d10	10.56
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 97
2		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 97
3		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 97
4		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 96
5		Naphthalene, 1,5-dimethyl-	156 C12H12	000571-61-9 96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
Data File : BF078501.D
Acq On : 14 Apr 2015 12:46
Operator : TP/IZ
Sample : G1850-04
Misc :
ALS Vial : 40 Sample Multiplier: 0.5

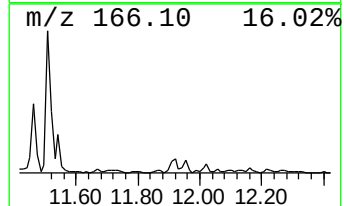
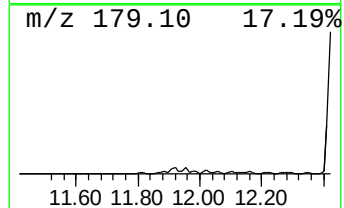
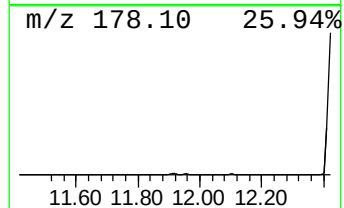
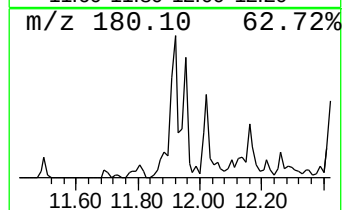
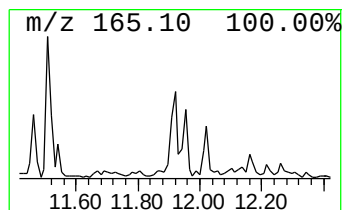
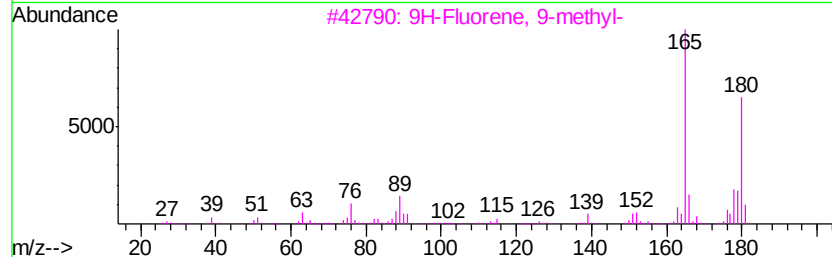
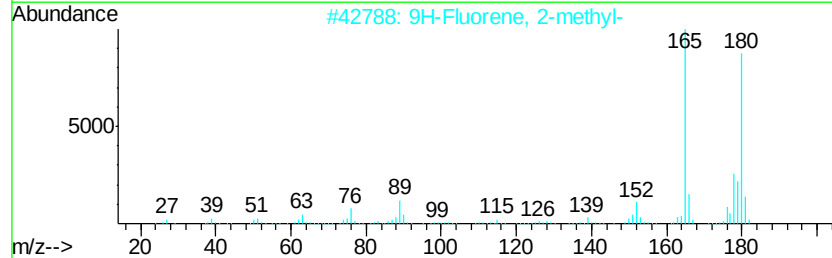
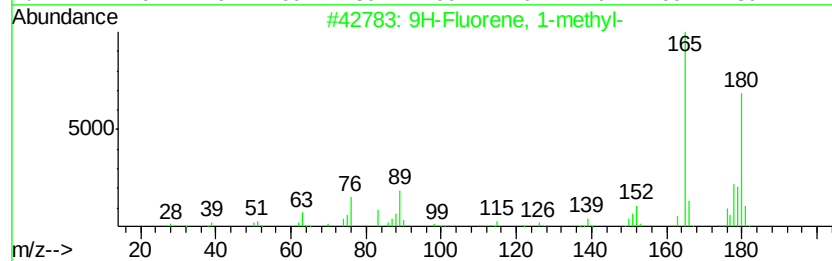
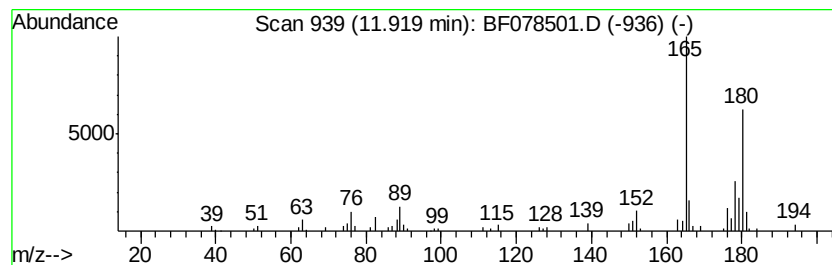
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 9H-Fluorene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.92	8.04 ng	136702	Phenanthrene-d10		12.39
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	95
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
Data File : BF078501.D
Acq On : 14 Apr 2015 12:46
Operator : TP/IZ
Sample : G1850-04
Misc :
ALS Vial : 40 Sample Multiplier: 0.5

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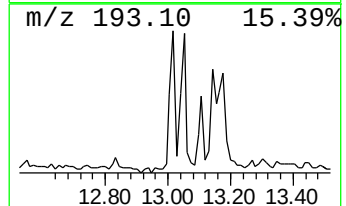
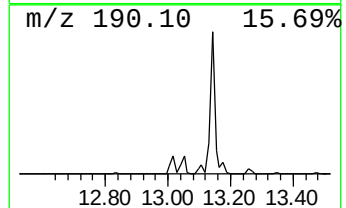
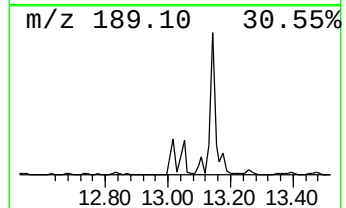
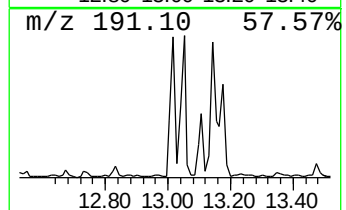
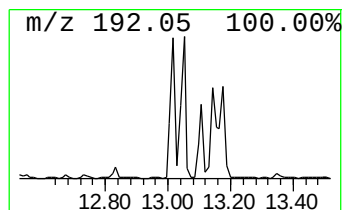
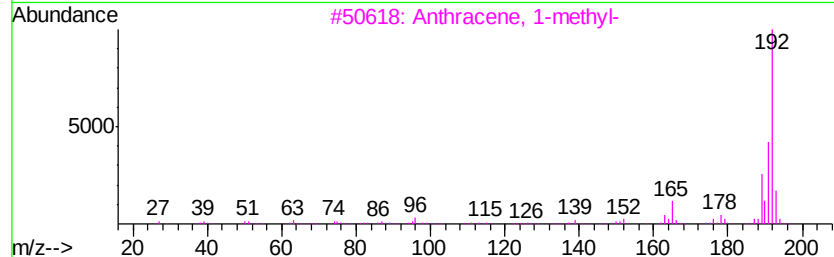
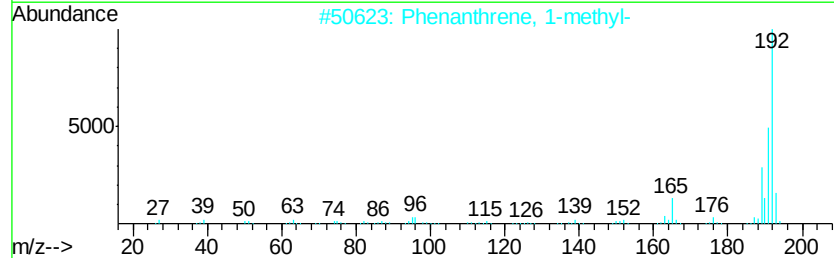
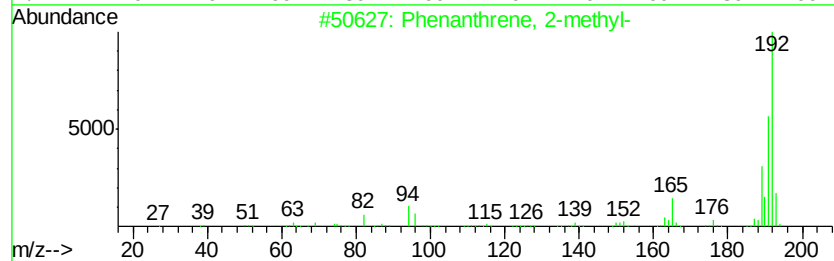
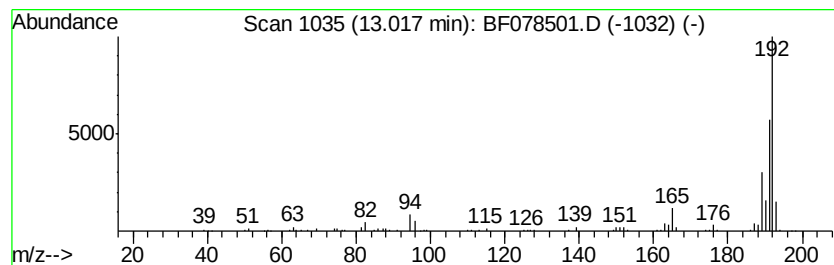
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	15.26 ng	259613	Phenanthrene-d10	12.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
Data File : BF078501.D
Acq On : 14 Apr 2015 12:46
Operator : TP/IZ
Sample : G1850-04
Misc :
ALS Vial : 40 Sample Multiplier: 0.5

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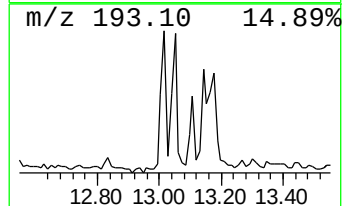
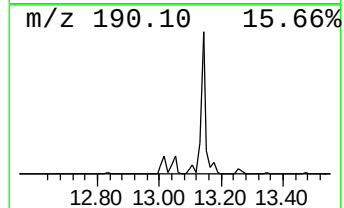
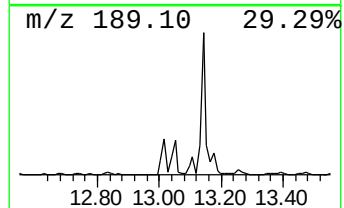
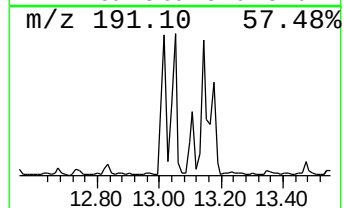
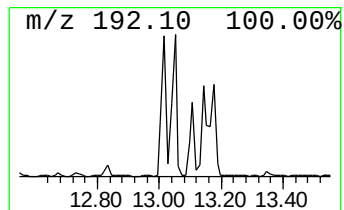
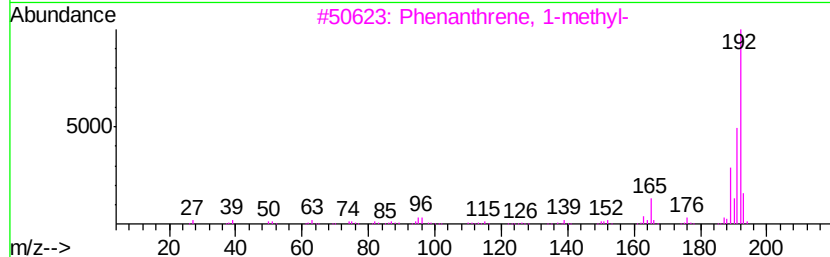
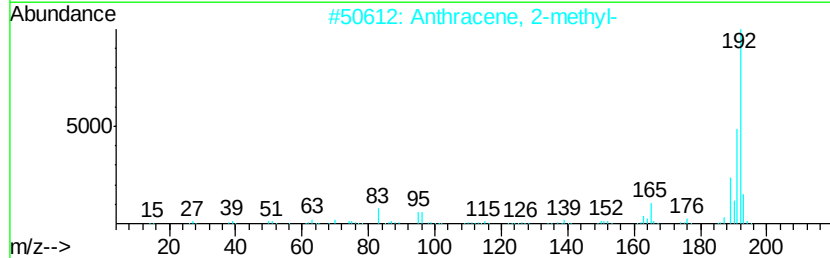
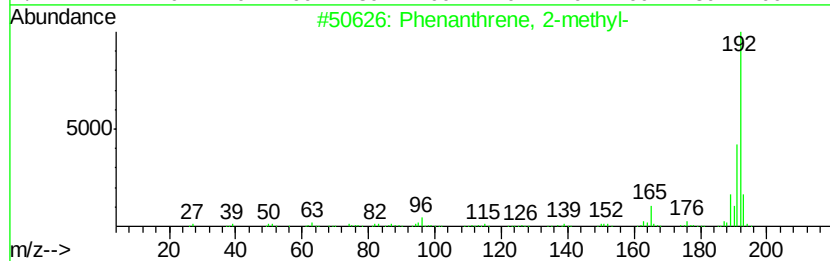
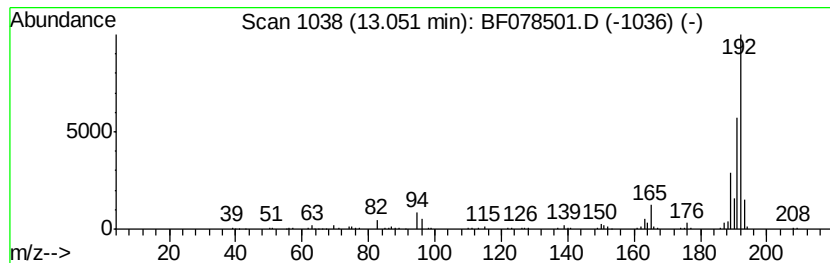
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	16.18 ng	275222	Phenanthrene-d10	12.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4		Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5		1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
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Sample : G1850-04
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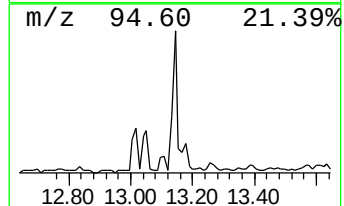
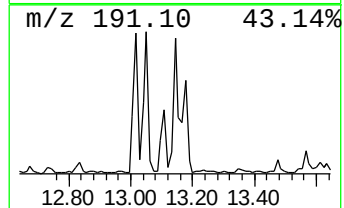
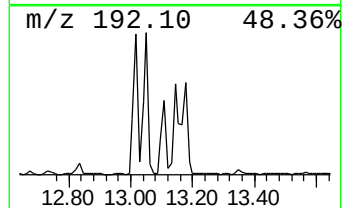
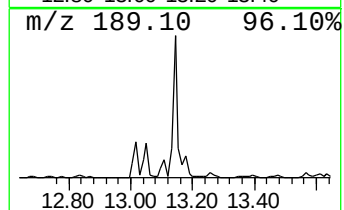
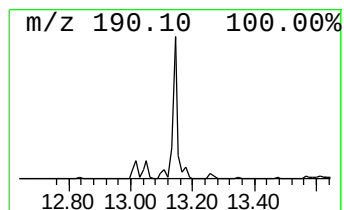
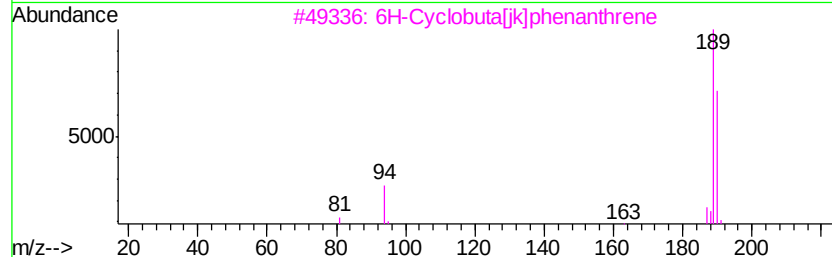
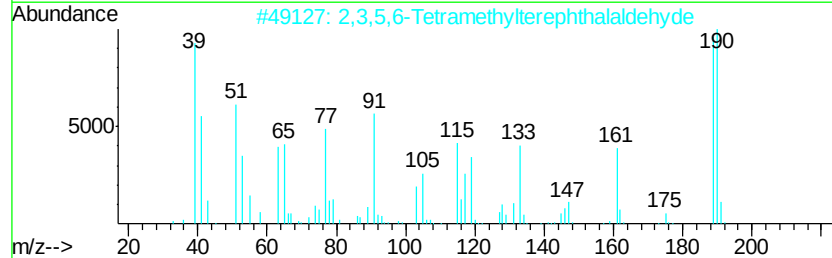
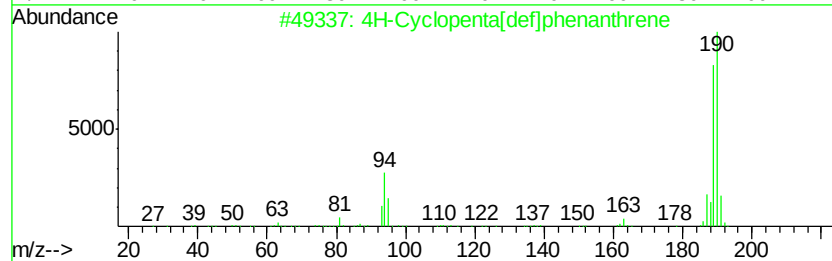
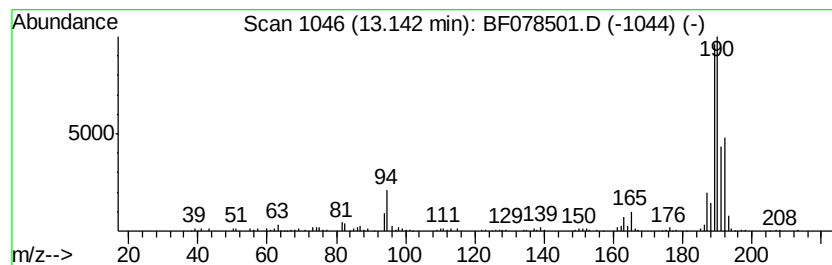
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.14	31.40 ng	534123	Phenanthrene-d10	12.39		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
3		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40
4		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
5		Propanoic acid, 2-(2,4-dichlorop...	378	C15H10Cl4O3	284488-02-4	23



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
Data File : BF078501.D
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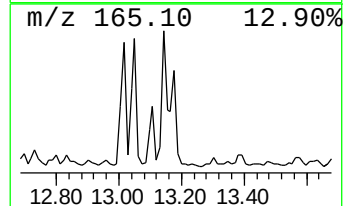
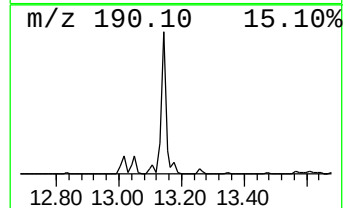
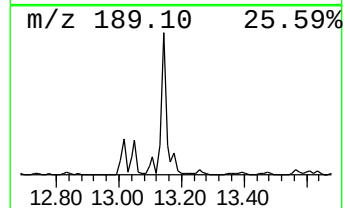
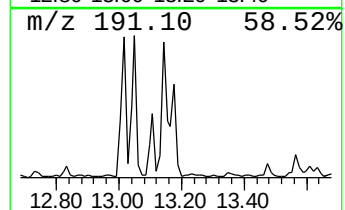
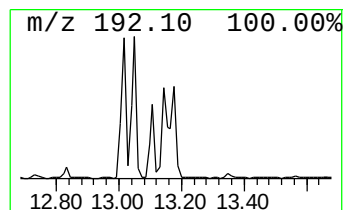
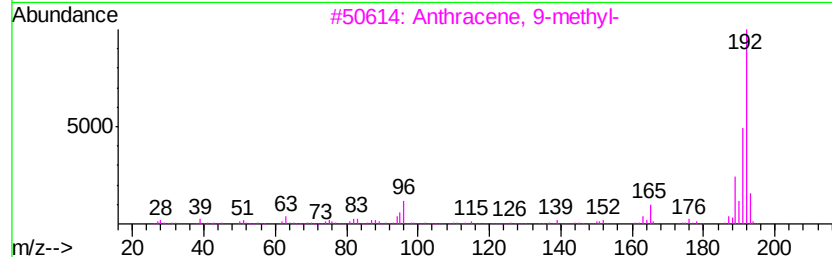
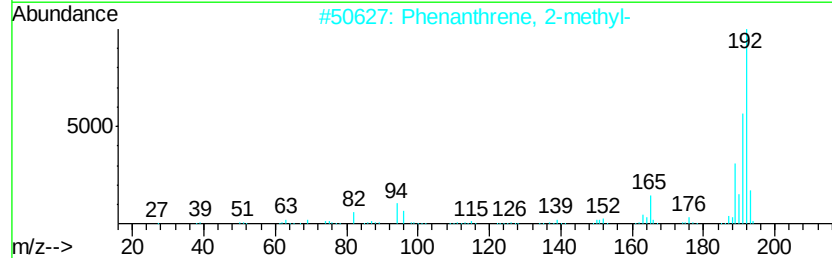
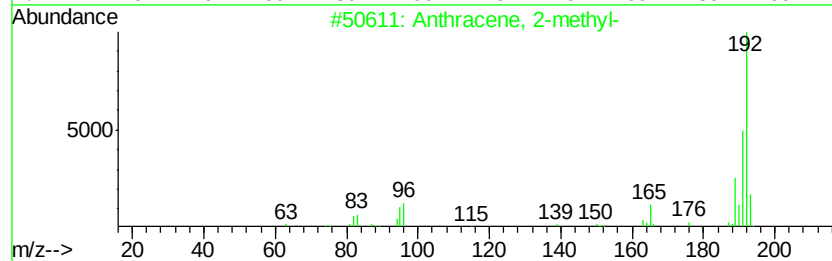
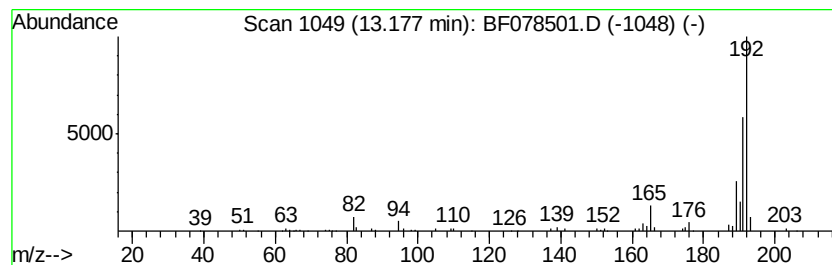
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 1H-Indene, 2-phenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	7.22 ng	122811	Phenanthrene-d10	12.39

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
3			Anthracene, 9-methyl-	192	C15H12	000779-02-2	83
4			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81
5			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
Data File : BF078501.D
Acq On : 14 Apr 2015 12:46
Operator : TP/IZ
Sample : G1850-04
Misc :
ALS Vial : 40 Sample Multiplier: 0.5

Instrument :
BNA_F
ClientSampleId :
SB-10DA

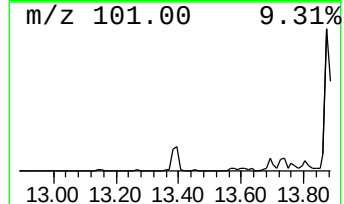
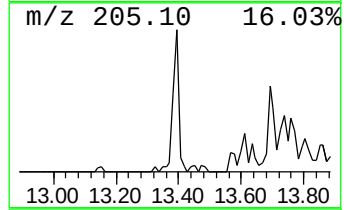
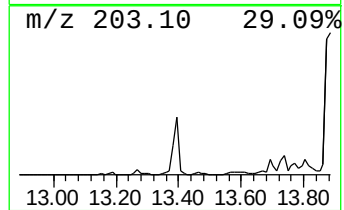
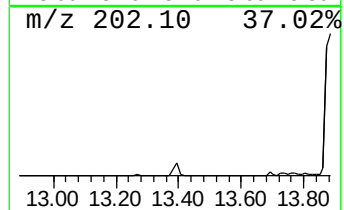
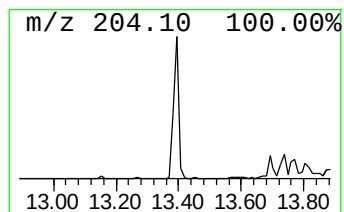
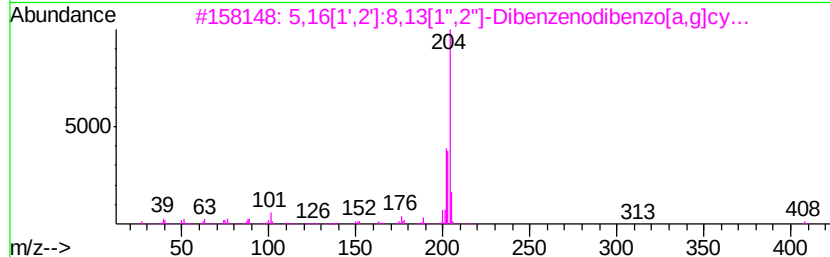
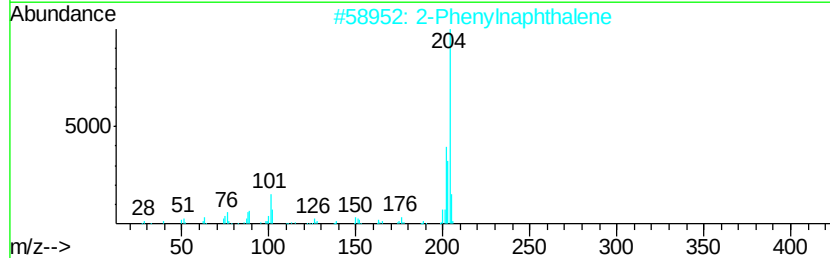
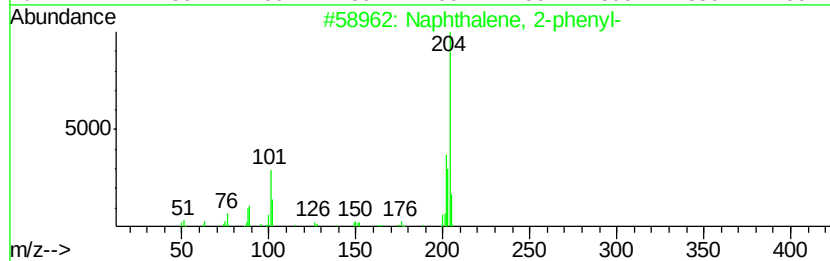
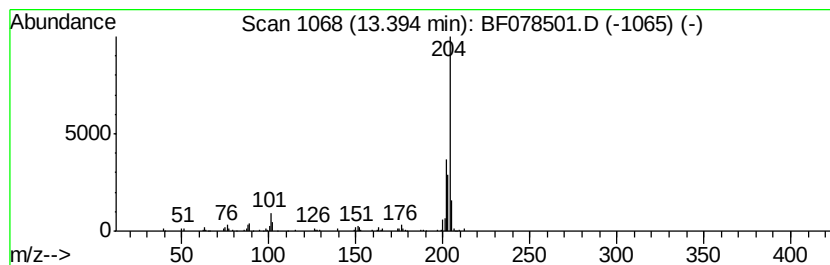
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	11.05 ng	187964	Phenanthrene-d10	12.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2		2-Phenylnaphthalene	204	C16H12	035465-71-5	90
3		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	83
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
Data File : BF078501.D
Acq On : 14 Apr 2015 12:46
Operator : TP/IZ
Sample : G1850-04
Misc :
ALS Vial : 40 Sample Multiplier: 0.5

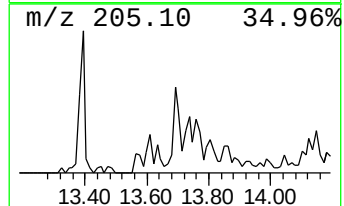
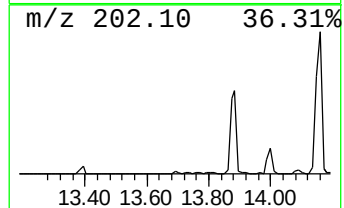
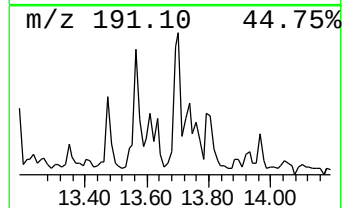
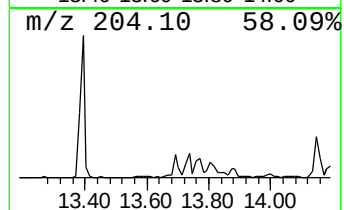
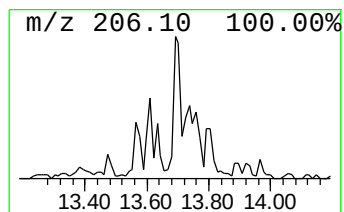
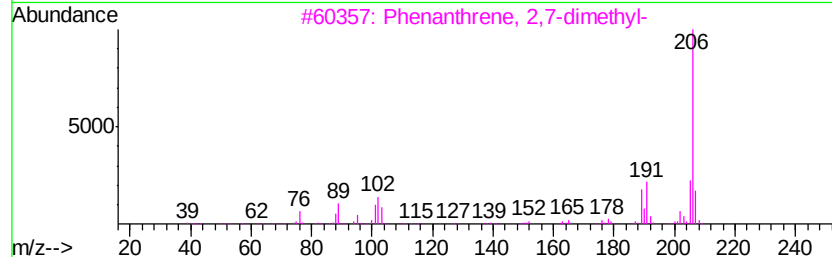
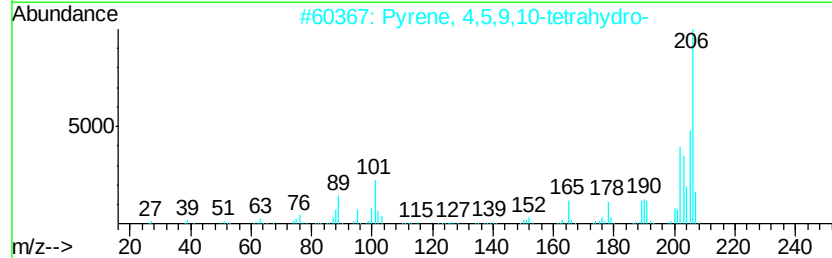
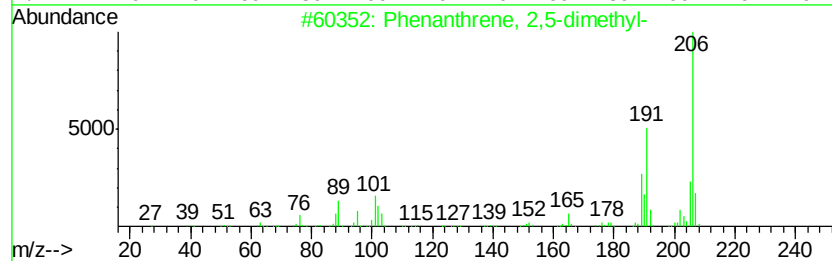
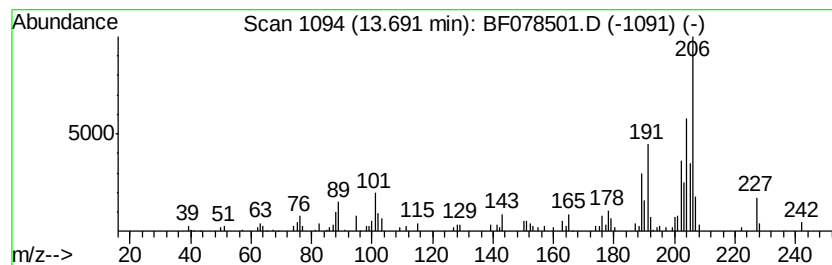
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.69	8.90 ng	151471	Phenanthrene-d10	12.39	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	86
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	86
4	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	83
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	83



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
Data File : BF078501.D
Acq On : 14 Apr 2015 12:46
Operator : TP/IZ
Sample : G1850-04
Misc :
ALS Vial : 40 Sample Multiplier: 0.5

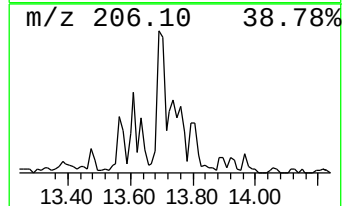
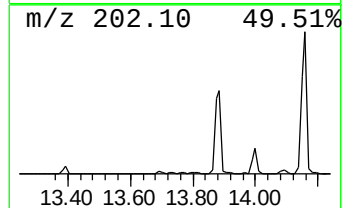
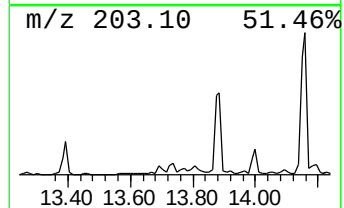
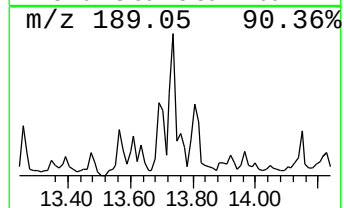
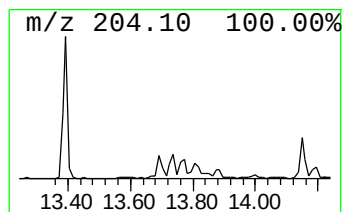
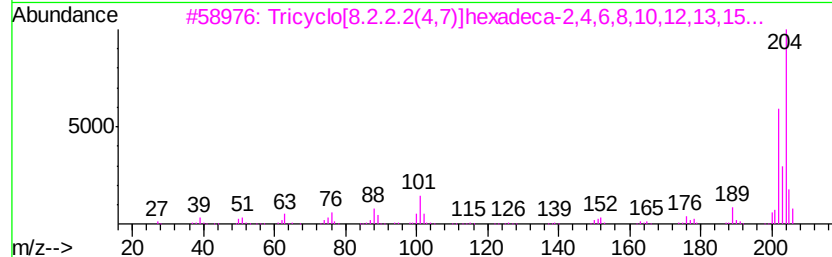
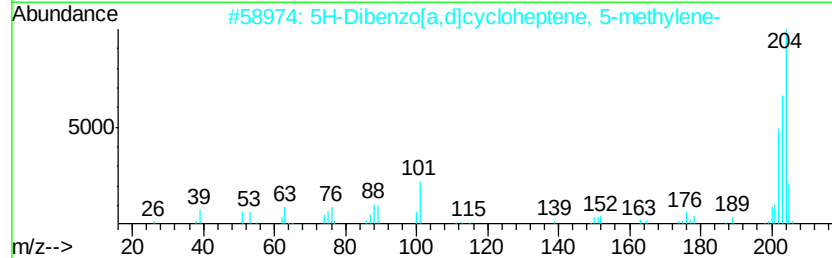
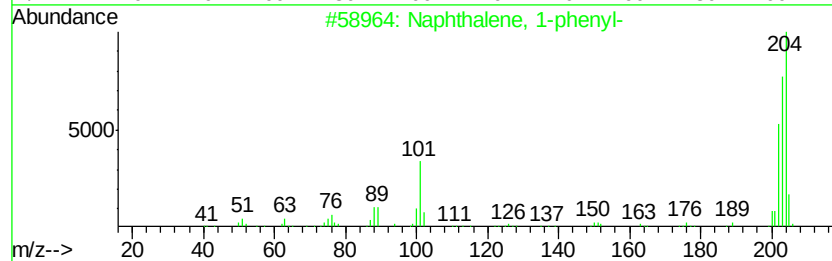
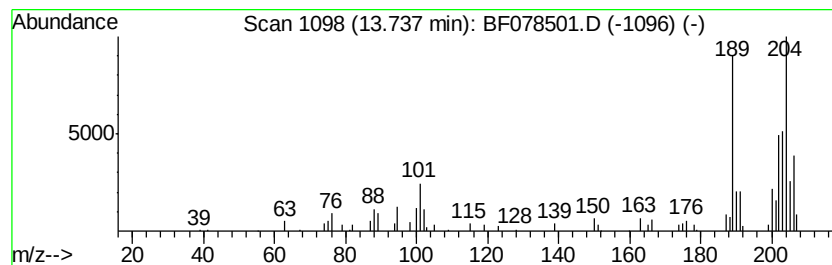
Instrument :
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ClientSampleId :
SB-10DA

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown13.74 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.74	6.04 ng	102768	Phenanthrene-d10	12.39	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	42
2	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	35
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	30
4	Imidazo[2,1-b]thiazole, 2,3,5,6-...	204	C11H12N2S	006649-23-6	27
5	Imidazo[2,1-b]thiazole, 2,3,5,6-...	204	C11H12N2S	014769-73-4	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
Data File : BF078501.D
Acq On : 14 Apr 2015 12:46
Operator : TP/IZ
Sample : G1850-04
Misc :
ALS Vial : 40 Sample Multiplier: 0.5

Instrument :
BNA_F
ClientSampleId :
SB-10DA

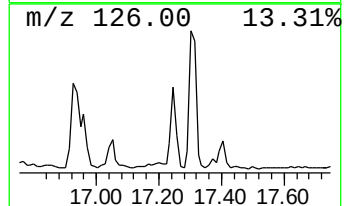
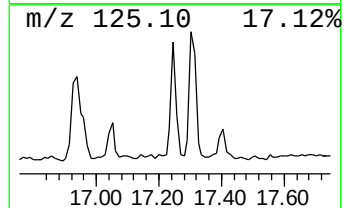
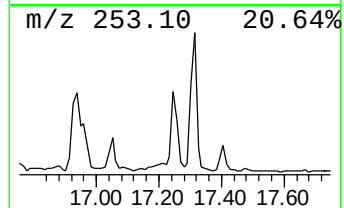
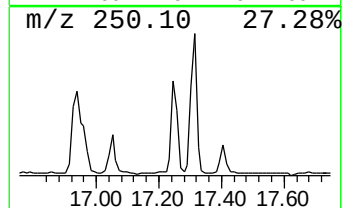
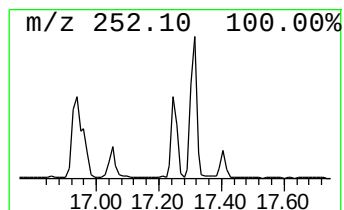
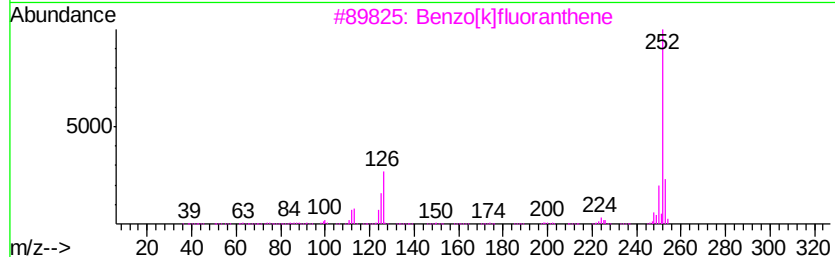
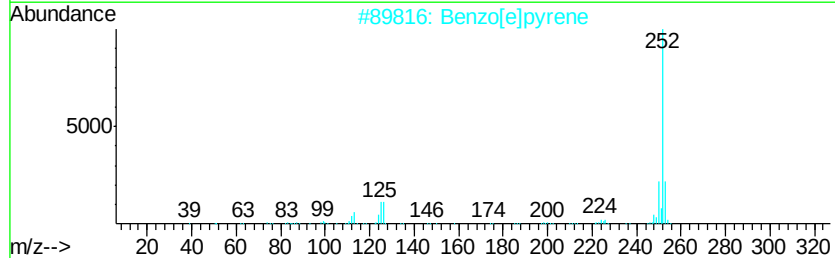
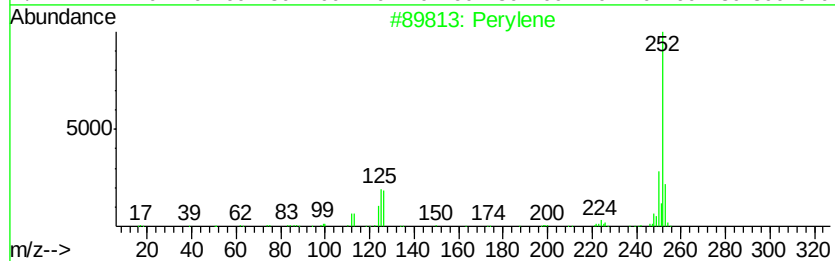
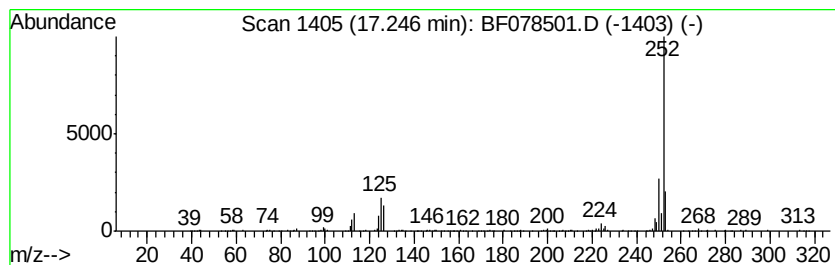
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Perylene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.25	8.58 ng	194813	Perylene-d12	17.37

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene		252	C20H12	000198-55-0	95
2	Benzo[e]pyrene		252	C20H12	000192-97-2	94
3	Benzo[k]fluoranthene		252	C20H12	000207-08-9	93
4	Benz[e]acephenanthrylene		252	C20H12	000205-99-2	93
5	Benzo[j]fluoranthene		252	C20H12	000205-82-3	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041315\
 Data File : BF078501.D
 Acq On : 14 Apr 2015 12:46
 Operator : TP/IZ
 Sample : G1850-04
 Misc :
 ALS Vial : 40 Sample Multiplier: 0.5

Instrument :
 BNA_F
 ClientSampleId :
 SB-10DA

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.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
Butane, 2-methoxy...	1.26	23.3	ng	218696	1	6.83	187932	20.0
2-Pentanone, 4-hy...	4.50	27.4	ng	257829	1	6.83	187932	20.0
unknown6.55	6.55	207.6	ng	1951040	1	6.83	187932	20.0
Naphthalene, 2-et...	9.99	12.5	ng	264329	3	10.56	422155	20.0
Naphthalene, 2,3-...	10.16	8.4	ng	177078	3	10.56	422155	20.0
9H-Fluorene, 1-me...	11.92	8.0	ng	136702	4	12.39	340219	20.0
Phenanthrene, 2-m...	13.02	15.3	ng	259613	4	12.39	340219	20.0
Anthracene, 2-met...	13.05	16.2	ng	275222	4	12.39	340219	20.0
4H-Cyclopenta[def...	13.14	31.4	ng	534123	4	12.39	340219	20.0
1H-Indene, 2-phenyl-	13.18	7.2	ng	122811	4	12.39	340219	20.0
Naphthalene, 2-ph...	13.39	11.1	ng	187964	4	12.39	340219	20.0
Phenanthrene, 2,5...	13.69	8.9	ng	151471	4	12.39	340219	20.0
unknown13.74	13.74	6.0	ng	102768	4	12.39	340219	20.0
Perylene	17.25	8.6	ng	194813	6	17.37	454323	20.0