

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051315\
 Data File : BF079204.D
 Acq On : 13 May 2015 20:15
 Operator : TP/IZ
 Sample : G2211-01 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1504303044-45-46-COMPOSITE

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	1.358	13	15	21	rVB2	102386	176072	2.71%	0.198%
2	1.827	54	56	71	rVV	2408741	5248255	80.81%	5.914%
3	2.021	71	73	105	rVB3	117292	859557	13.23%	0.969%
4	3.599	209	211	218	rBV	36304	103689	1.60%	0.117%
5	4.056	249	251	260	rVB	42374	102806	1.58%	0.116%
6	5.187	332	350	351	rBV2	70099	379708	5.85%	0.428%
7	5.942	413	416	423	rVB	104272	204223	3.14%	0.230%
8	6.193	430	438	441	rBV3	42632	145261	2.24%	0.164%
9	6.947	501	504	506	rBV	926487	1425736	21.95%	1.607%
10	7.165	507	523	524	rBV	656854	3139800	48.34%	3.538%
11	7.199	524	526	527	rBV	517273	521778	8.03%	0.588%
12	7.233	527	529	530	rBV	361843	393603	6.06%	0.444%
13	7.382	539	542	544	rBV2	494823	1298171	19.99%	1.463%
14	7.862	582	584	586	rBV2	155611	195528	3.01%	0.220%
15	7.896	586	587	594	rVB	346039	388423	5.98%	0.438%
16	8.010	594	597	599	rBV3	226256	278462	4.29%	0.314%
17	8.159	606	610	611	rBV	216532	447391	6.89%	0.504%
18	8.193	611	613	621	rVB	979237	1662672	25.60%	1.874%
19	8.456	633	636	642	rVV	270730	471548	7.26%	0.531%
20	8.548	642	644	649	rVB	84369	151257	2.33%	0.170%
21	8.810	665	667	669	rVB	484342	435679	6.71%	0.491%
22	8.925	673	677	679	rBV	149448	233037	3.59%	0.263%
23	8.959	679	680	682	rVB	118418	121560	1.87%	0.137%
24	9.028	682	686	688	rBV2	86129	136805	2.11%	0.154%
25	9.222	701	703	705	rBV2	74965	118192	1.82%	0.133%
26	9.473	722	725	727	rVV	82627	147843	2.28%	0.167%
27	9.599	734	736	738	rVV	171699	184995	2.85%	0.208%
28	9.645	738	740	741	rVV2	187760	277938	4.28%	0.313%
29	9.713	743	746	747	rVV	85368	190702	2.94%	0.215%
30	9.736	747	748	752	rVV2	77238	138569	2.13%	0.156%
31	9.862	754	759	762	rVV2	269310	442357	6.81%	0.499%
32	9.919	762	764	766	rVV	81681	136767	2.11%	0.154%
33	9.953	766	767	769	rVV2	204264	252048	3.88%	0.284%
34	10.091	776	779	783	rBV	99974	127227	1.96%	0.143%

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35	10.331	795	800	808	rBV2	141743	411560	6.34%	0.464%
36	10.559	818	820	823	rBV	314420	407236	6.27%	0.459%
37	10.616	823	825	828	rVV	109861	182851	2.82%	0.206%
38	10.662	828	829	832	rVV2	90127	139699	2.15%	0.157%
39	10.799	839	841	844	rVV	745580	1091229	16.80%	1.230%
40	10.891	844	849	850	rVV2	114655	214778	3.31%	0.242%
41	10.948	850	854	856	rVV2	336513	903565	13.91%	1.018%
42	10.982	856	857	863	rVV2	599190	796805	12.27%	0.898%
43	11.085	863	866	870	rVV2	158923	339752	5.23%	0.383%
44	11.268	880	882	886	rVB3	128385	181168	2.79%	0.204%
45	11.874	932	935	937	rBV2	71228	116777	1.80%	0.132%
46	11.919	937	939	941	rBV2	69463	121741	1.87%	0.137%
47	11.965	941	943	946	rVB	236506	328379	5.06%	0.370%
48	12.011	946	947	950	rBV2	92171	166250	2.56%	0.187%
49	12.068	950	952	958	rVB2	158143	278243	4.28%	0.314%
50	12.274	968	970	973	rBV	2618285	3204062	49.33%	3.611%
51	12.422	979	983	987	rBV2	141938	370844	5.71%	0.418%
52	12.491	987	989	992	rVV	357931	503999	7.76%	0.568%
53	12.582	993	997	1004	rVB	1713316	3122906	48.08%	3.519%
54	12.731	1007	1010	1012	rBV	1233729	1850379	28.49%	2.085%
55	12.777	1012	1014	1017	rVV	4346192	5739940	88.38%	6.469%
56	12.834	1017	1019	1021	rVB	400064	545892	8.41%	0.615%
57	13.062	1037	1039	1042	rBV2	146541	219352	3.38%	0.247%
58	13.142	1044	1046	1048	rBV	1547531	1569041	24.16%	1.768%
59	13.199	1048	1051	1054	rVB	154791	200628	3.09%	0.226%
60	13.268	1054	1057	1060	rBV	240907	255976	3.94%	0.288%
61	13.325	1060	1062	1064	rBV	371937	673999	10.38%	0.760%
62	13.359	1064	1065	1073	rVB2	1131438	1224767	18.86%	1.380%
63	13.542	1076	1081	1084	rBV	2064640	3163976	48.72%	3.566%
64	13.588	1084	1085	1089	rVB3	73188	128544	1.98%	0.145%
65	13.794	1101	1103	1106	rBV	663460	738043	11.36%	0.832%
66	13.897	1109	1112	1114	rBV	97374	130450	2.01%	0.147%
67	13.988	1115	1120	1122	rBV2	1293481	2467472	37.99%	2.781%
68	14.034	1122	1124	1132	rVV	3101097	3639793	56.04%	4.102%
69	14.171	1132	1136	1137	rVV4	109416	260978	4.02%	0.294%
70	14.205	1137	1139	1142	rVV	554800	893992	13.76%	1.007%
71	14.297	1142	1147	1149	rVB5	75937	168396	2.59%	0.190%

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72	14.365	1149	1153	1156	rBV3	255434	678198	10.44%	0.764%
73	14.434	1156	1159	1162	rBV2	454399	699136	10.76%	0.788%
74	14.491	1162	1164	1167	rBV	132538	231287	3.56%	0.261%
75	14.560	1168	1170	1174	rVV	231828	328317	5.06%	0.370%
76	14.685	1179	1181	1184	rBV	232579	326185	5.02%	0.368%
77	14.742	1184	1186	1188	rVB2	107416	165817	2.55%	0.187%
78	14.800	1189	1191	1193	rBV	778051	1307000	20.12%	1.473%
79	14.868	1195	1197	1199	rBV	308651	382215	5.88%	0.431%
80	15.040	1208	1212	1215	rBV2	971556	1998336	30.77%	2.252%
81	15.120	1217	1219	1223	rVB2	286343	671912	10.35%	0.757%
82	15.211	1225	1227	1231	rVV2	584007	1480941	22.80%	1.669%
83	15.280	1231	1233	1240	rVV	902221	2296139	35.35%	2.588%
84	15.451	1240	1248	1252	rVV	1406885	4366929	67.24%	4.921%
85	15.520	1252	1254	1256	rVV	463926	782963	12.06%	0.882%
86	15.565	1256	1258	1260	rVV3	366112	584799	9.00%	0.659%
87	15.623	1260	1263	1271	rVV	3284030	6494819	100.00%	7.319%
88	15.737	1271	1273	1280	rVB5	186015	471155	7.25%	0.531%
89	15.943	1288	1291	1292	rBV	564641	964607	14.85%	1.087%
90	15.977	1292	1294	1298	rVB	2143138	3776710	58.15%	4.256%
91	16.194	1311	1313	1315	rVB	564289	662519	10.20%	0.747%
92	16.320	1322	1324	1334	rVB	351147	896904	13.81%	1.011%
93	16.457	1334	1336	1340	rVV3	112968	254255	3.91%	0.287%
94	16.526	1340	1342	1345	rVB3	82329	114889	1.77%	0.129%
95	16.857	1365	1371	1372	rBV5	102247	348232	5.36%	0.392%
96	16.960	1378	1380	1383	rVV4	78434	140952	2.17%	0.159%
97	17.063	1387	1389	1394	rVB5	58183	122163	1.88%	0.138%
98	18.137	1480	1483	1486	rBV	432843	645344	9.94%	0.727%
99	18.789	1537	1540	1543	rBV	75065	134912	2.08%	0.152%
100	20.274	1667	1670	1675	rBV5	43109	116796	1.80%	0.132%

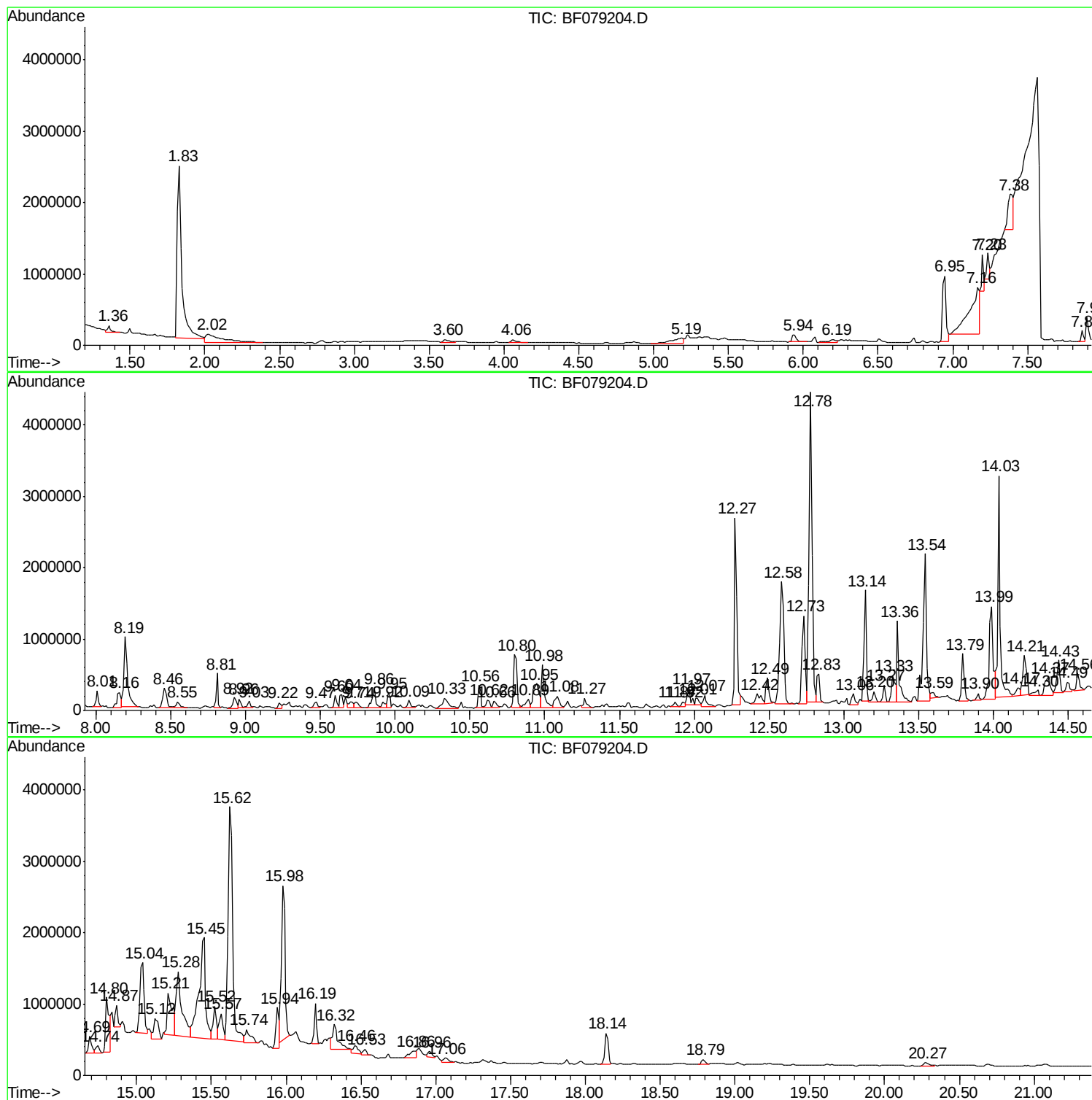
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Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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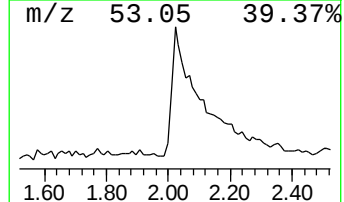
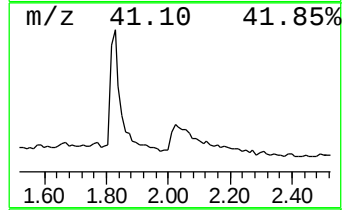
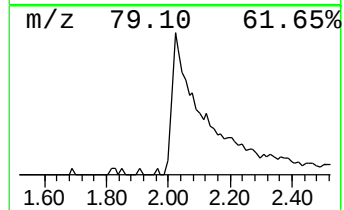
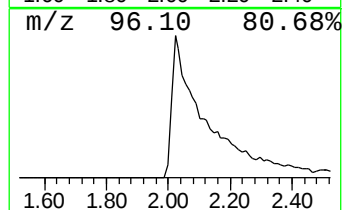
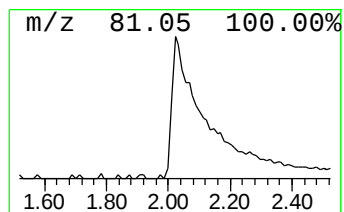
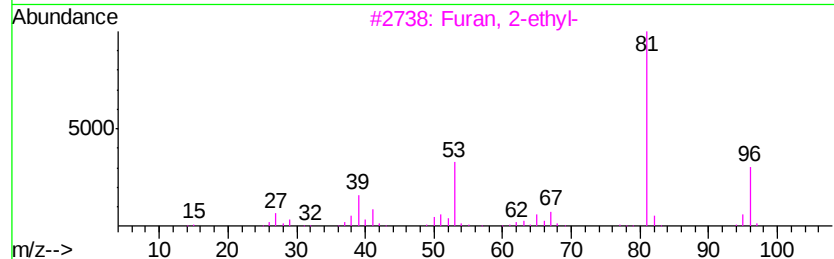
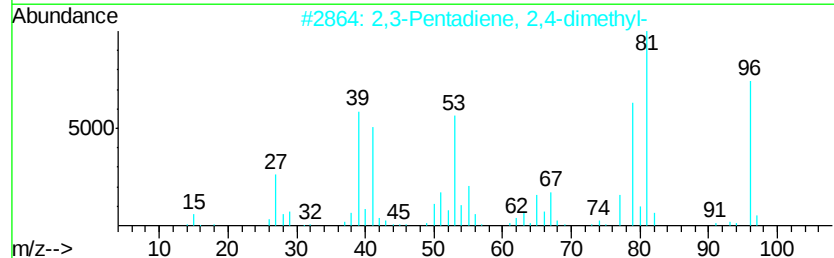
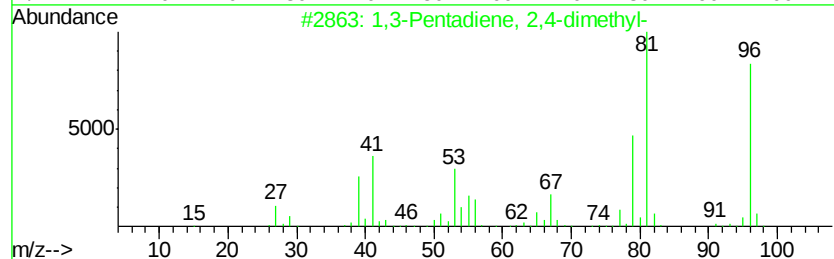
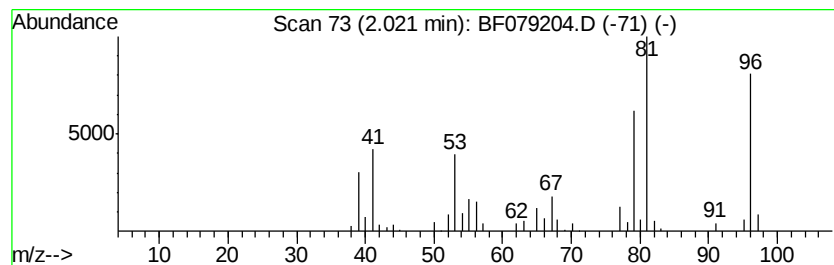
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 1,3-Pentadiene, 2,4-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.02	43.68 ng	859557	1,4-Dichlorobenzene-d4	7.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,3-Pentadiene, 2,4-dimethyl-	96	C7H12	001000-86-8	97
2		2,3-Pentadiene, 2,4-dimethyl-	96	C7H12	001000-87-9	90
3		Furan, 2-ethyl-	96	C6H8O	003208-16-0	64
4		Cyclopropane, trimethylmethylene-	96	C7H12	034462-28-7	59
5		1,3-Pentadiene, 2,3-dimethyl-	96	C7H12	001113-56-0	59



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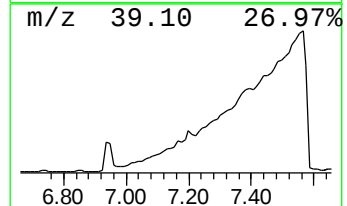
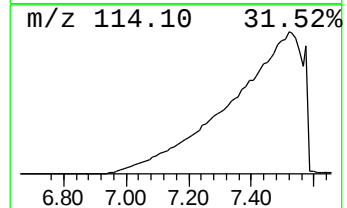
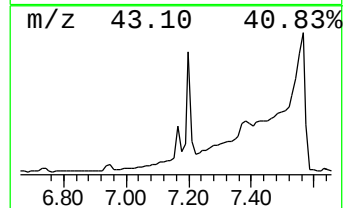
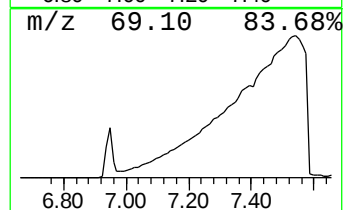
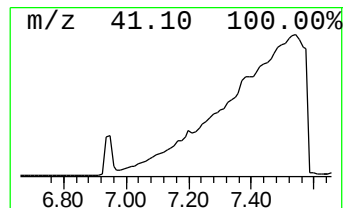
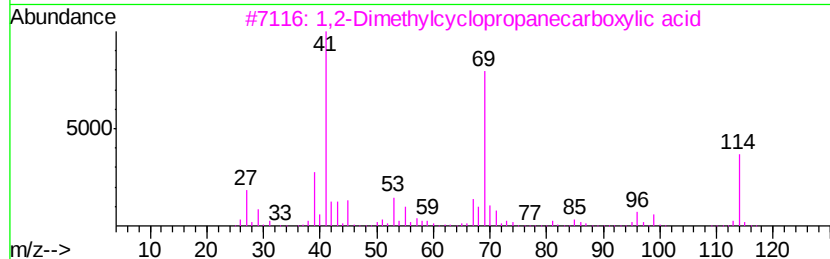
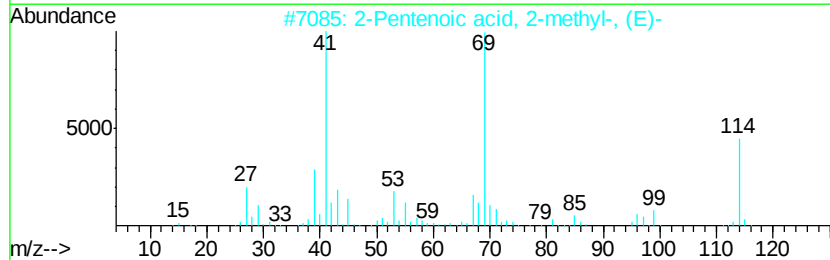
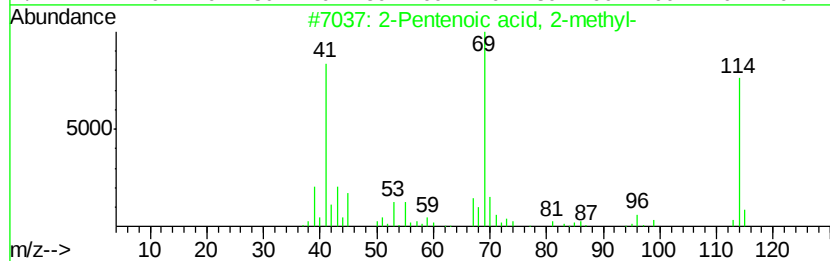
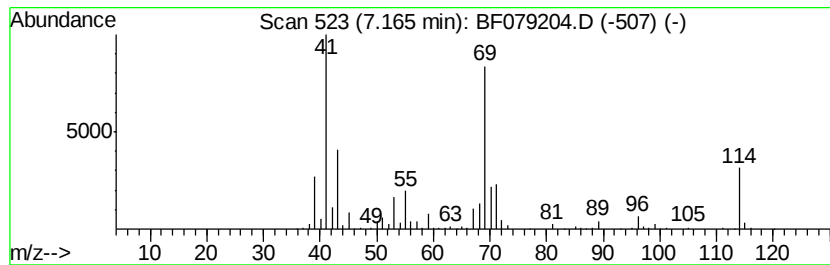
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 2-Pentenoic acid, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.16	159.54 ng	3139800	1,4-Dichlorobenzene-d4	7.23

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentenoic acid, 2-methyl-	114	C6H10O2	003142-72-1	59
2			2-Pentenoic acid, 2-methyl-, (E)-	114	C6H10O2	016957-70-3	58
3			1,2-Dimethylcyclopropanecarboxyl...	114	C6H10O2	1000191-14-6	58
4			1-Octene, 3,3-dimethyl-	140	C10H20	074511-51-6	50
5			3-Methyl-3-nitrobut-1-ene	115	C5H9NO2	001809-67-2	43



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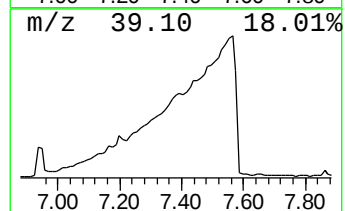
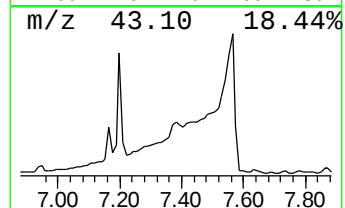
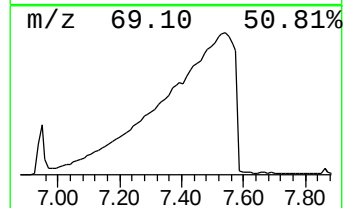
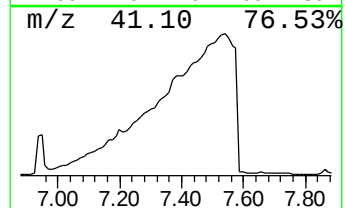
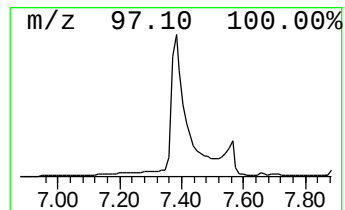
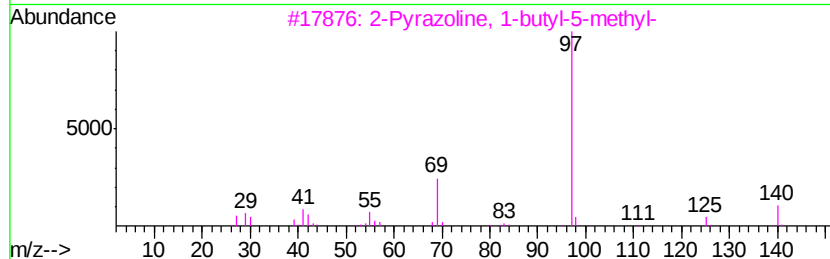
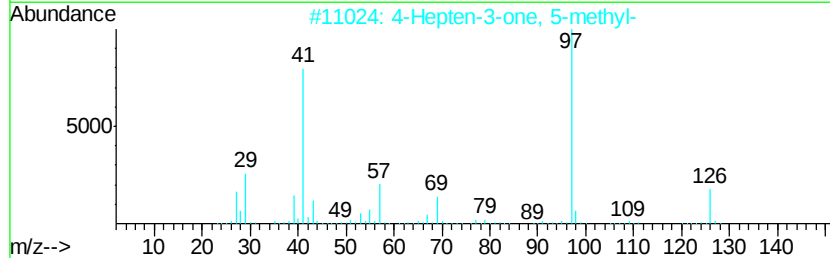
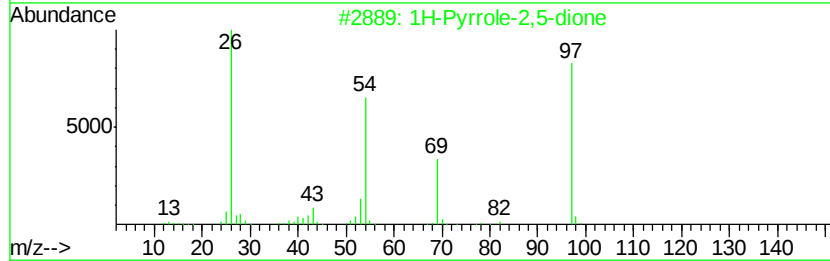
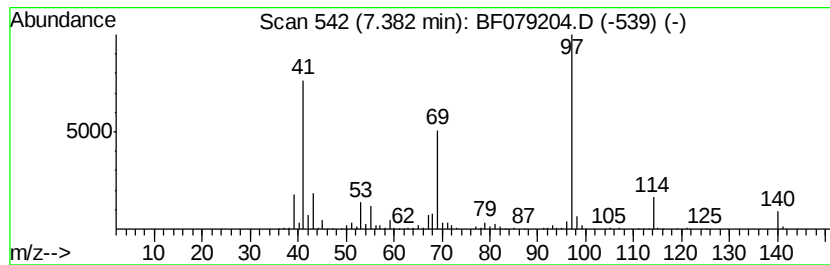
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TIC Integration Parameters: LSCINT.P

Peak Number 4 1H-Pyrrole-2,5-dione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
7.38	65.96 ng	1298170	1,4-Dichlorobenzene-d4	7.23	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Pyrrole-2,5-dione	97	C4H3NO2	000541-59-3	50
2	4-Hepten-3-one, 5-methyl-	126	C8H14O	001447-26-3	50
3	2-Pyrazoline, 1-butyl-5-methyl-	140	C8H16N2	022581-50-6	49
4	Furan, 2,5-dihydro-2,2,4-trimethyl-	112	C7H12O	023230-79-7	47
5	Cyclopentanecarboxylic acid, all...	154	C9H14O2	178905-33-4	45



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Operator : TP/IZ
Sample : G2211-01 5X
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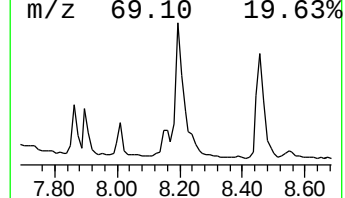
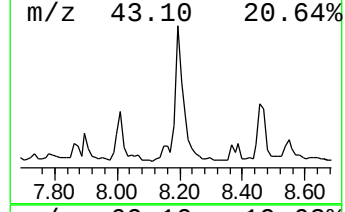
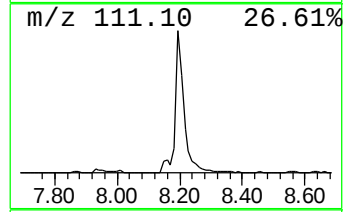
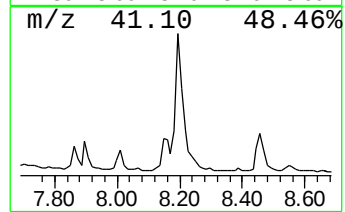
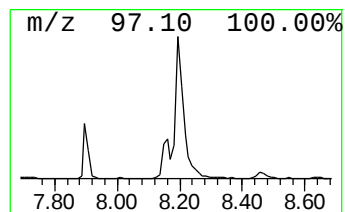
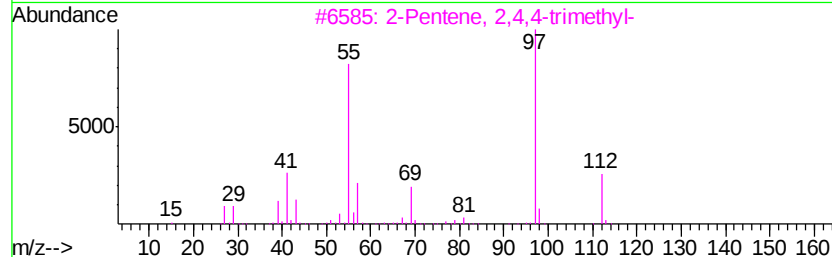
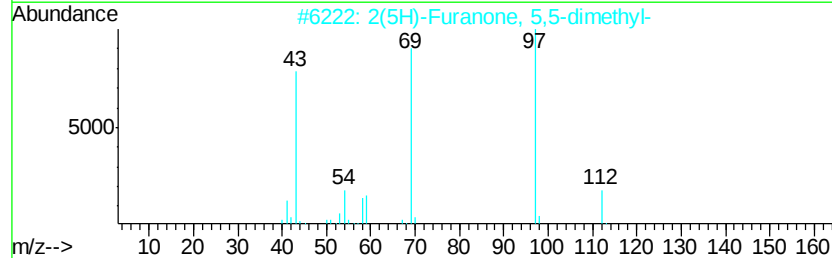
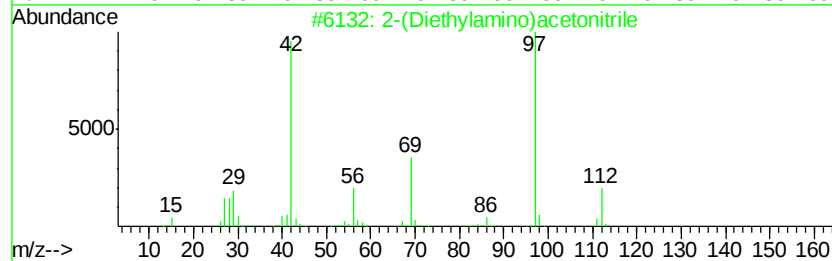
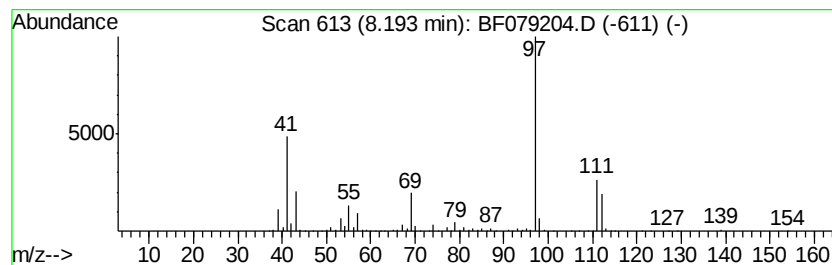
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 2-(Diethylamino)acetonitrile Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.19	76.33 ng	1662670	Napthalene-d8	8.81	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(Diethylamino)acetonitrile	112	C6H12N2	003010-02-4	59
2	2(5H)-Furanone, 5,5-dimethyl-	112	C6H8O2	020019-64-1	58
3	2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	43
4	4-Hepten-3-one, 2,6-dimethyl-	140	C9H16O	056259-14-4	43
5	1-(Trimethylsilyl)-1-propyne	112	C6H12Si	006224-91-5	40



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051315\
Data File : BF079204.D
Acq On : 13 May 2015 20:15
Operator : TP/IZ
Sample : G2211-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

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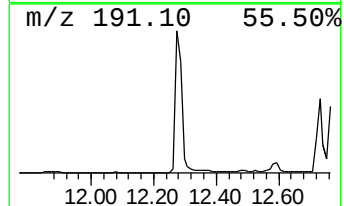
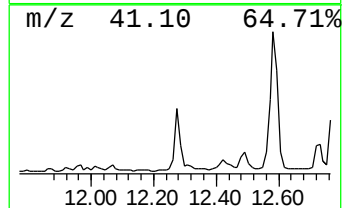
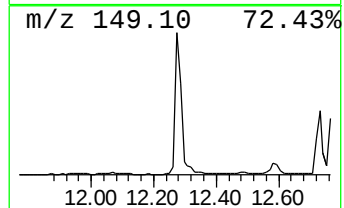
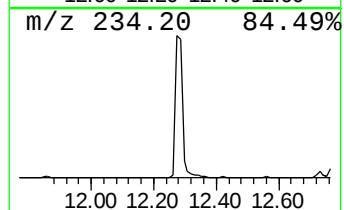
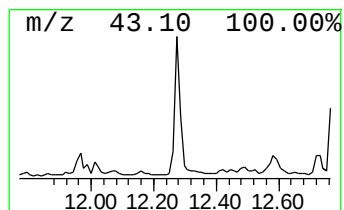
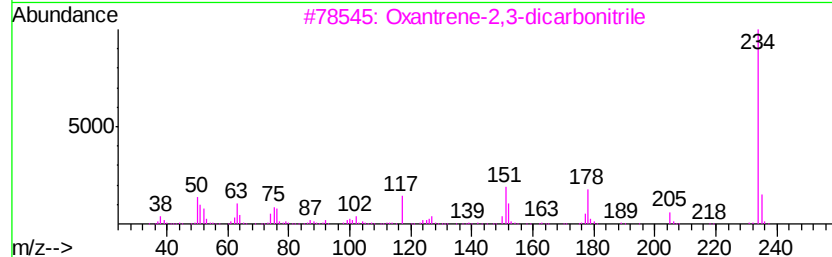
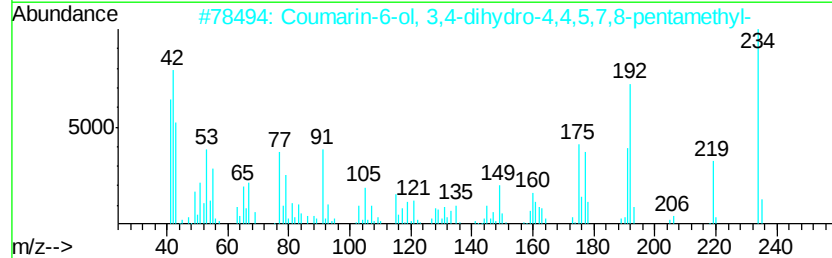
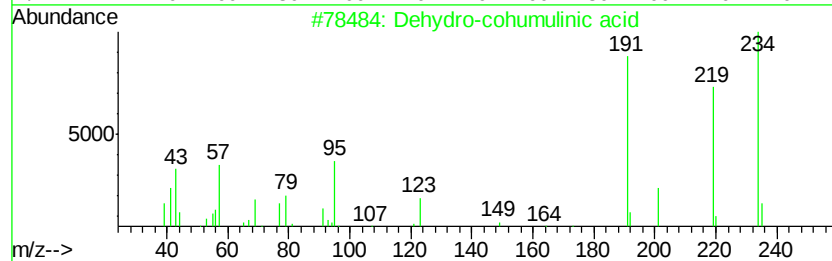
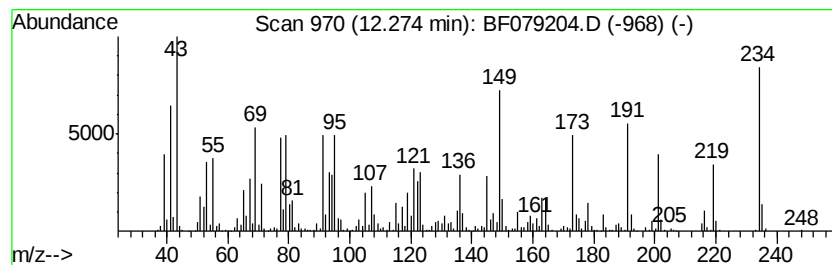
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown12.27 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	117.39 ng	3204060	Phenanthrene-d10	12.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dehydro-cohumulinic acid	234	C14H18O3	1000041-27-1	38
2		Coumarin-6-ol, 3,4-dihydro-4,4,5...	234	C14H18O3	040662-76-8	27
3		Oxantrene-2,3-dicarbonitrile	234	C14H6N2O2	309735-17-9	25
4		Spiro(1,3-benzodioxole-2,1'-cyclo...	234	C13H14O4	056011-74-6	25
5		Cyclodeca[b]furan-2(3H)-one, 3a,...	234	C15H22O2	002225-79-8	25



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051315\
Data File : BF079204.D
Acq On : 13 May 2015 20:15
Operator : TP/IZ
Sample : G2211-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

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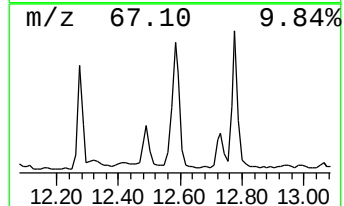
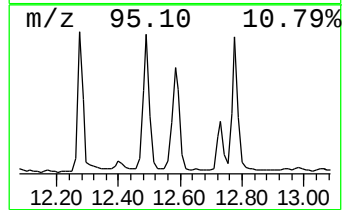
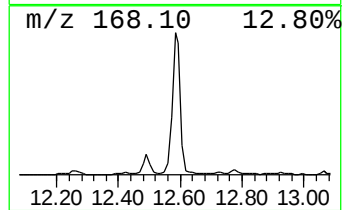
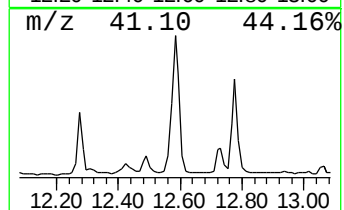
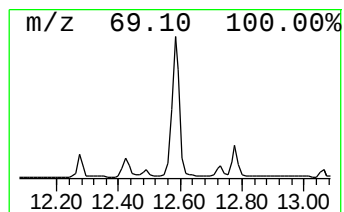
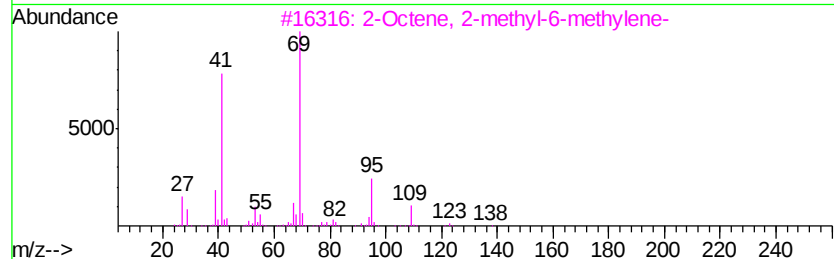
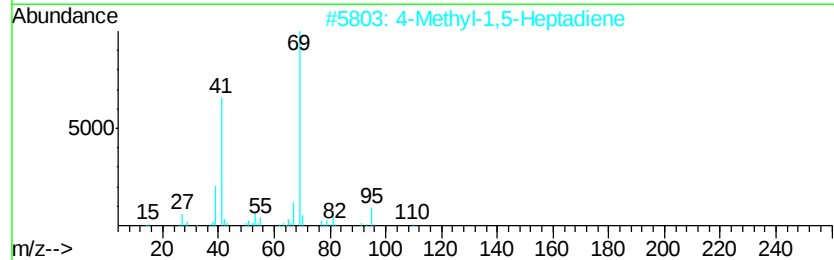
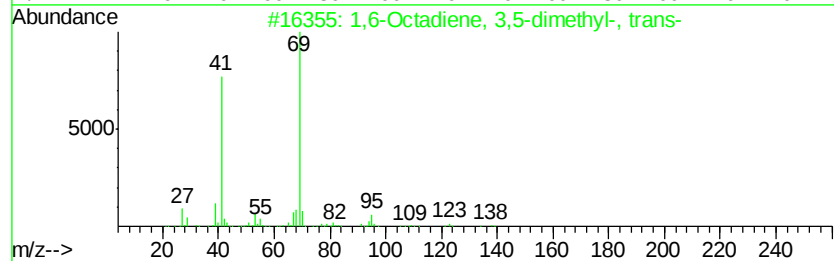
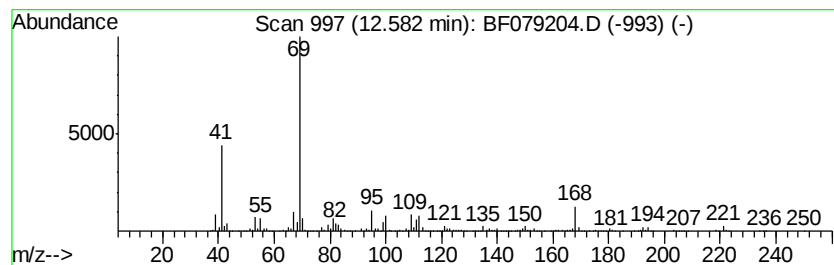
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 1,6-Octadiene, 3,5-dimethyl... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	114.42 ng	3122910	Phenanthrene-d10	12.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,6-Octadiene, 3,5-dimethyl-, tr...	138	C10H18	074630-87-8	58
2		4-Methyl-1,5-Heptadiene	110	C8H14	000998-94-7	53
3		2-Octene, 2-methyl-6-methylene-	138	C10H18	010054-09-8	53
4		Pentane, 1,5-dibromo-	228	C5H10Br2	000111-24-0	50
5		Trideca-1,7,11-triene-1,1-dicarb...	270	C18H26N2	1000161-46-0	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051315\
Data File : BF079204.D
Acq On : 13 May 2015 20:15
Operator : TP/IZ
Sample : G2211-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

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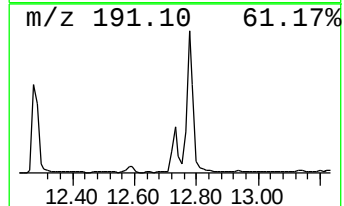
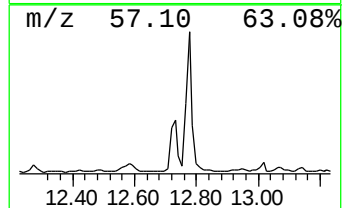
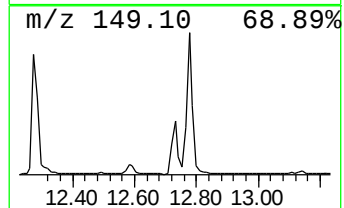
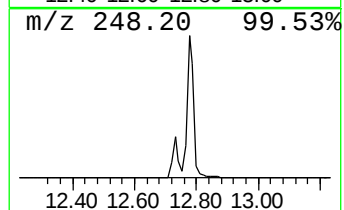
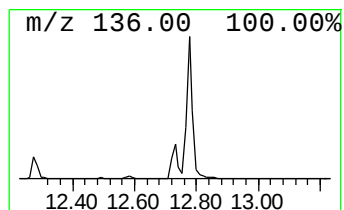
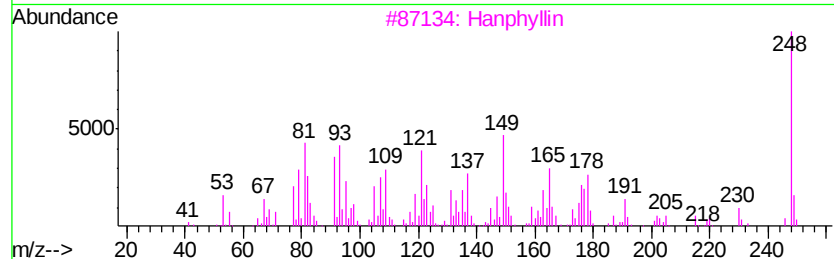
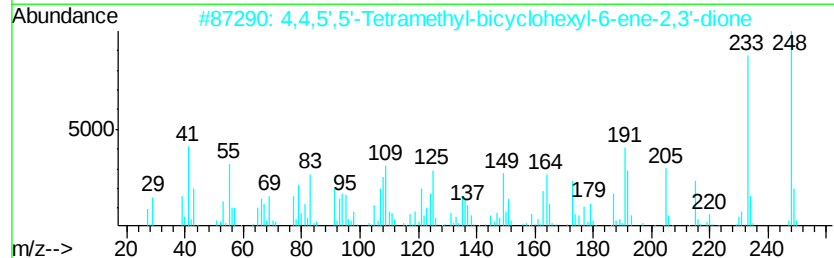
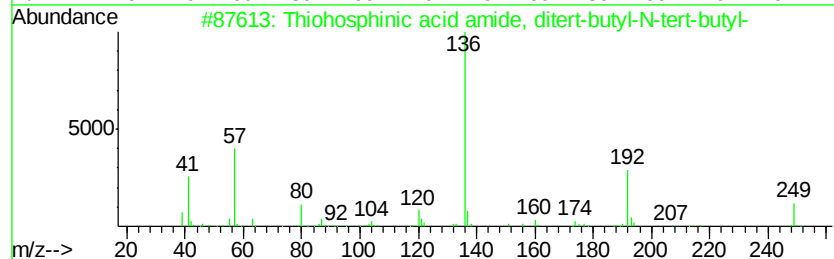
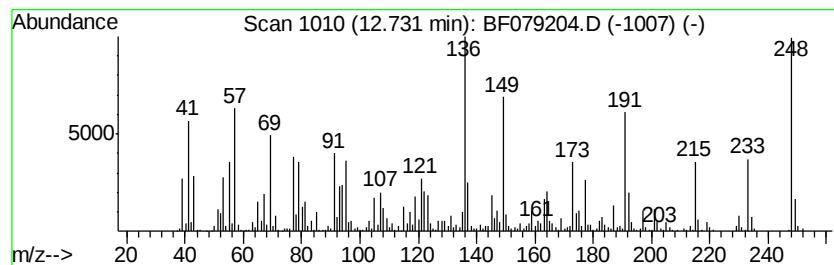
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 unknown12.73 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	67.79 ng	1850380	Phenanthrene-d10	12.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Thiosphonic acid amide, ditert...	249	C12H28NPS	131326-04-0	35
2		4,4,5',5'-Tetramethyl-bicyclohex...	248	C16H24O2	010517-07-4	35
3		Hanphyllin	248	C15H20O3	060268-40-8	30
4		Furan, 2-(2-fluoro-5-nitriphenyl...	248	C12H9FN2O3	304478-74-8	25
5		5,6,8,9-Tetrahydrobenz(a)anthrac...	248	C18H16O	001470-04-8	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051315\
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Acq On : 13 May 2015 20:15
Operator : TP/IZ
Sample : G2211-01 5X
Misc :
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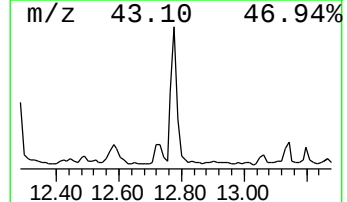
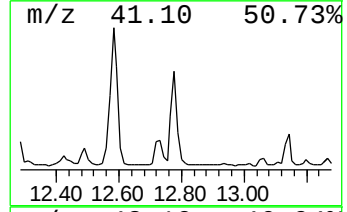
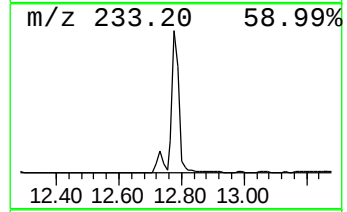
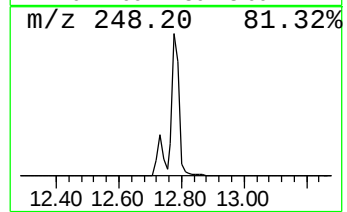
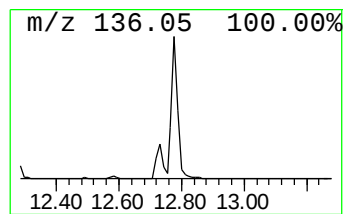
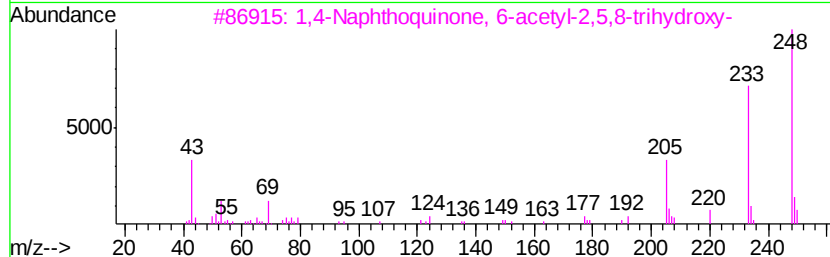
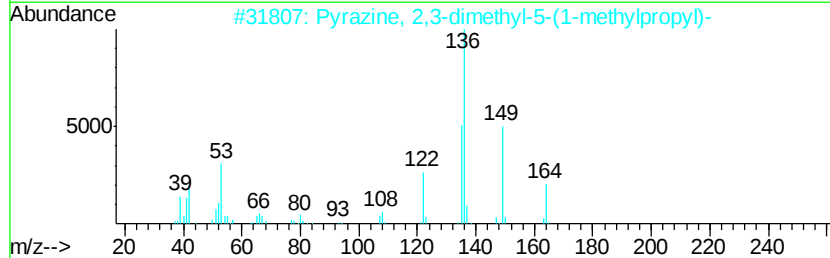
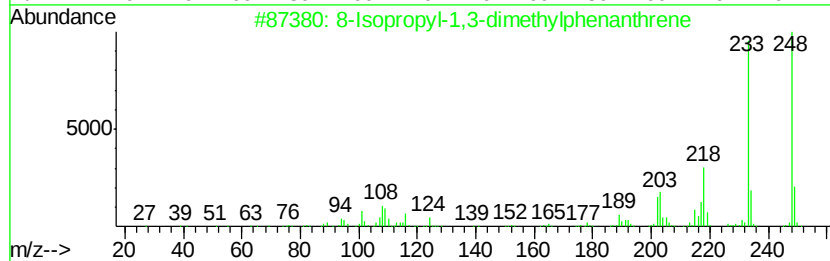
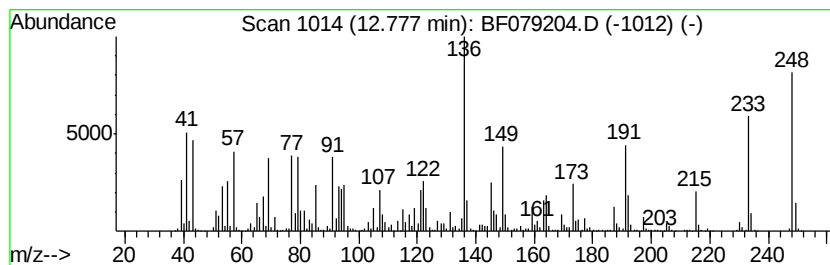
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown12.78 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.78	210.30 ng	5739940	Phenanthrene-d10	12.83	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Isopropyl-1,3-dimethylphenanth...	248	C19H20	135886-06-5	38
2	Pyrazine, 2,3-dimethyl-5-(1-meth...	164	C10H16N2	032263-00-6	30
3	1,4-Naphthoquinone, 6-acetyl-2,5...	248	C12H8O6	013379-24-3	30
4	2-Hydroxy-2-trifluoromethyl-4H-b...	233	C9H6F3NO3	1000297-38-5	25
5	2,5-Diphenyl-3-nitrosopyrrole	248	C16H12N2O	075096-67-2	25



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051315\
Data File : BF079204.D
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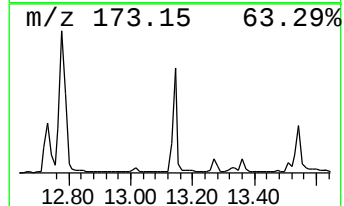
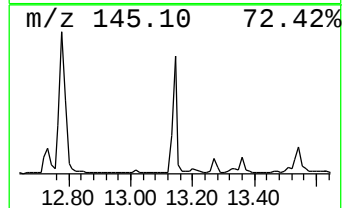
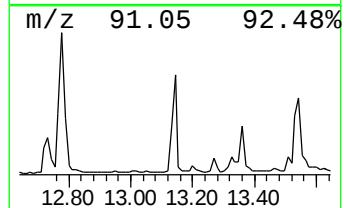
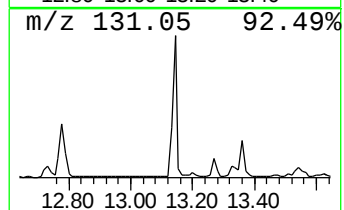
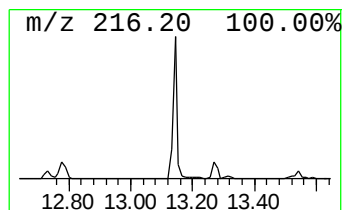
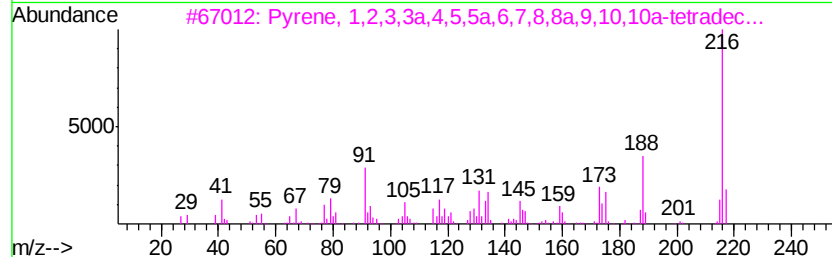
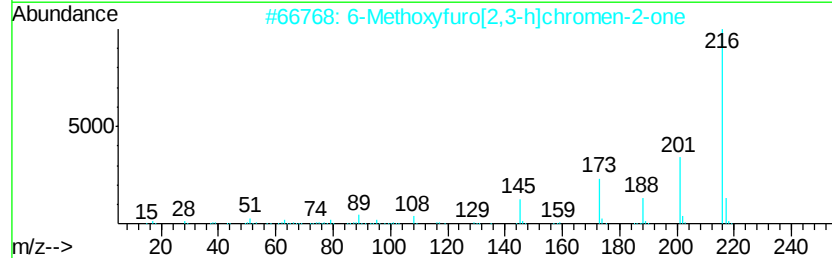
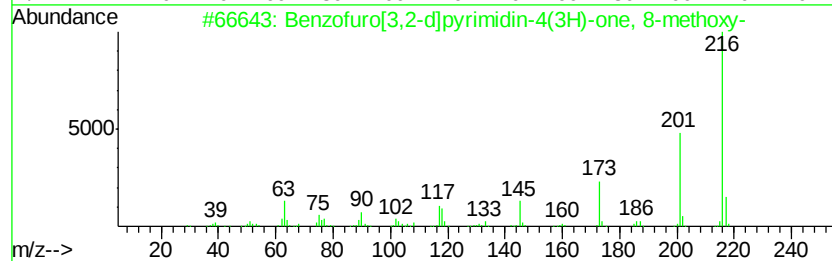
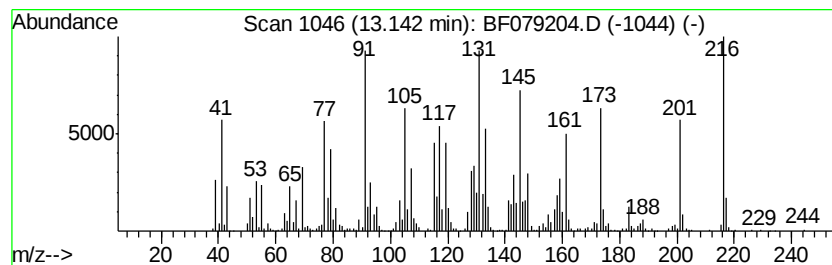
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Benzo-furo[3,2-d]pyrimidin-4... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.14	57.49 ng	1569040	Phenanthrene-d10	12.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo-furo[3,2-d]pyrimidin-4(3H)-...	216	C11H8N2O3	329210-45-9	52
2		6-Methoxyfuro[2,3-h]chromen-2-one	216	C12H8O4	000483-66-9	42
3		Pvrene, 1,2,3,3a,4,5,5a,6,7,8,8a...	216	C16H24	126188-35-0	38
4		Benzo-furan, 5-cyclohexyl-2,3-dih...	216	C15H20O	054815-15-5	38
5		2H-Benz[e]indene-3,7-diol, 3,3a,...	216	C14H16O2	071830-72-3	22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051315\
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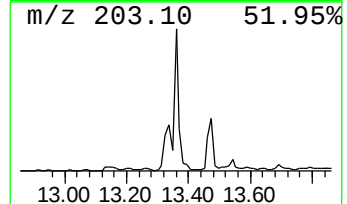
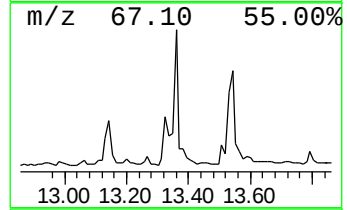
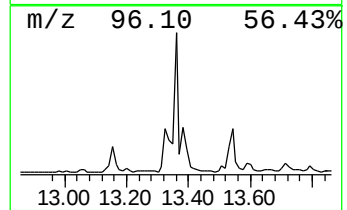
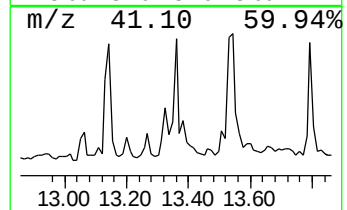
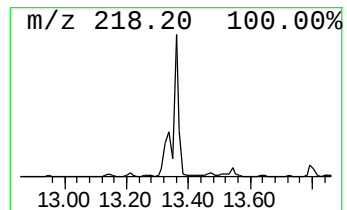
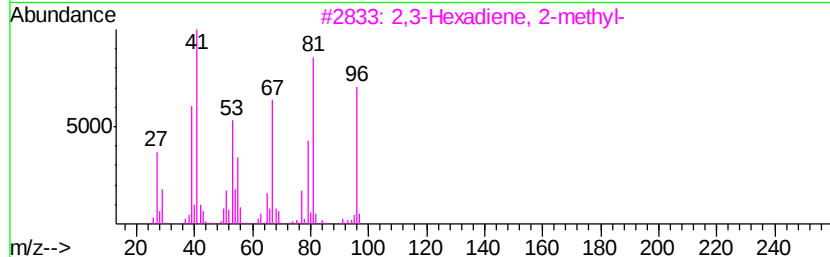
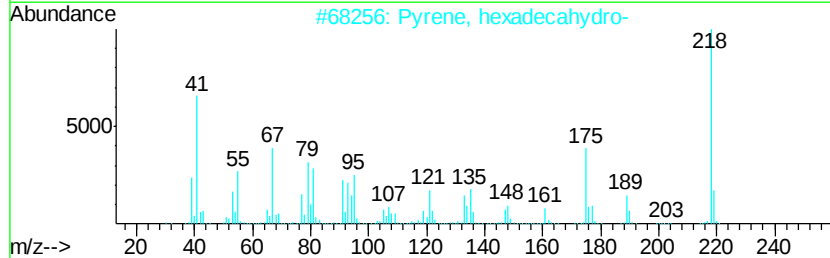
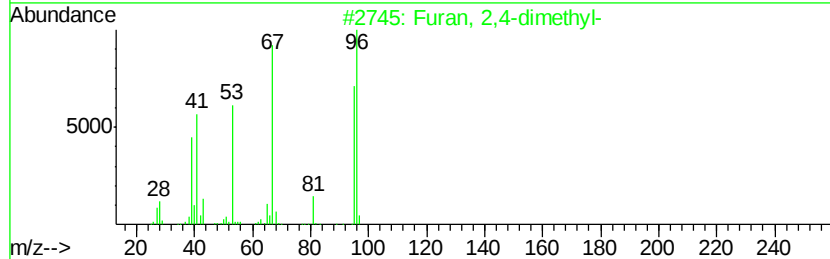
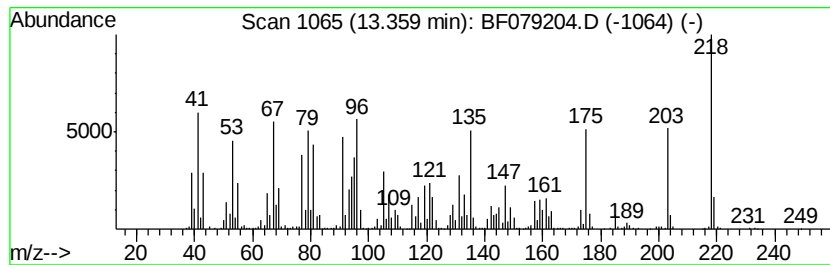
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ClientSampleId :
1504303044-45-46-COMPOSITE

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 11 unknown13.36 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.36	44.87 ng	1224770	Phenanthrene-d10	12.83
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Furan, 2,4-dimethyl-	96 C6H8O	003710-43-8 38
2		Pyrene, hexadecahydro-	218 C16H26	002435-85-0 35
3		2,3-Hexadiene, 2-methyl-	96 C7H12	029212-09-7 27
4		2(1H)Naphthalenone, 3,5,6,7,8,8a...	218 C15H22O	1000188-66-5 25
5		2H-Cyclopropa[a]naphthalen-2-one...	218 C15H22O	006831-17-0 22



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051315\
Data File : BF079204.D
Acq On : 13 May 2015 20:15
Operator : TP/IZ
Sample : G2211-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
1504303044-45-46-COMPOSITE

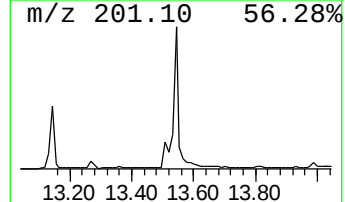
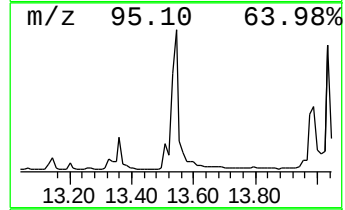
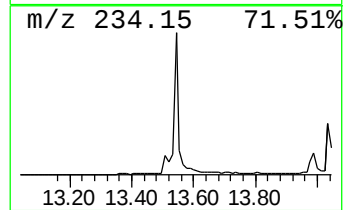
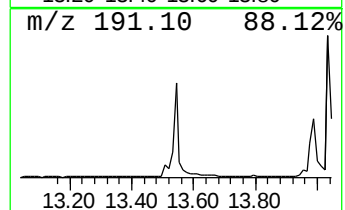
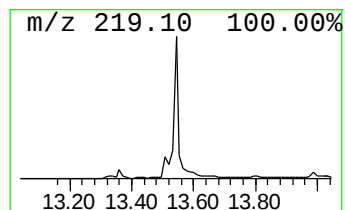
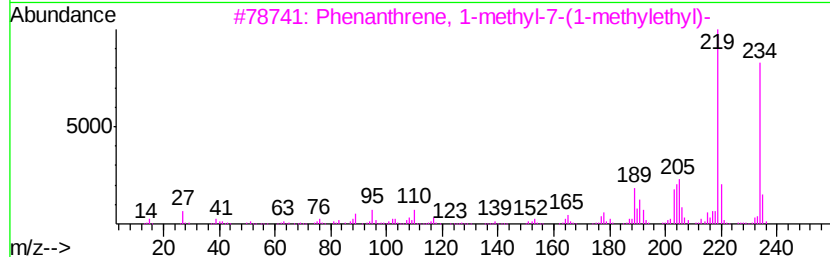
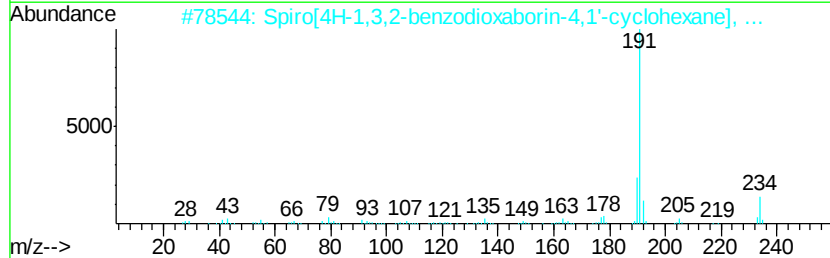
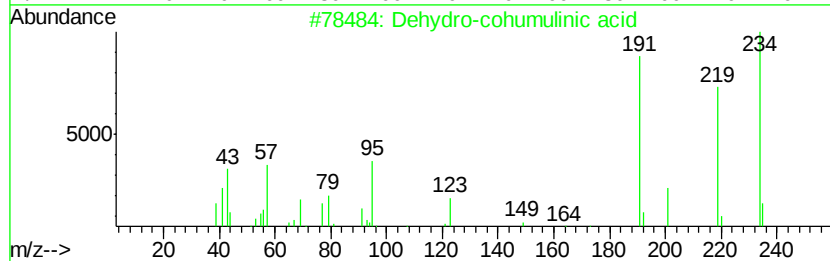
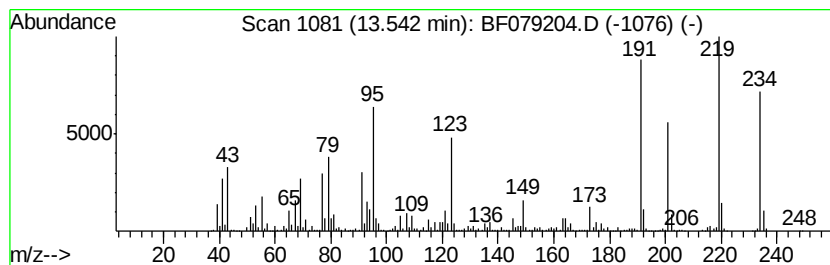
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Dehydro-cohumulinic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	115.92 ng	3163980	Phenanthrene-d10	12.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dehydro-cohumulinic acid	234	C14H18O3	1000041-27-1	97
2		Spiro[4H-1,3,2-benzodioxaborin-4...	234	C14H23B02	062238-27-1	50
3		Phenanthrene, 1-methyl-7-(1-meth...	234	C18H18	000483-65-8	38
4		Ethanone, 1-(4,6-dihydroxy-2,3,5...	234	C13H14O4	021987-07-5	30
5		Spiro(1,3-benzodioxole-2,1'-cycl...	234	C13H14O4	056011-74-6	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051315\
Data File : BF079204.D
Acq On : 13 May 2015 20:15
Operator : TP/IZ
Sample : G2211-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
1504303044-45-46-COMPOSITE

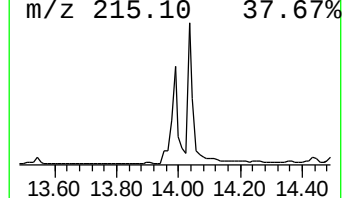
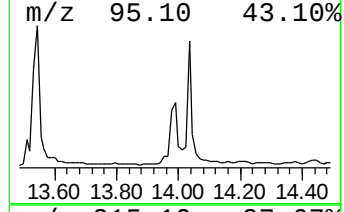
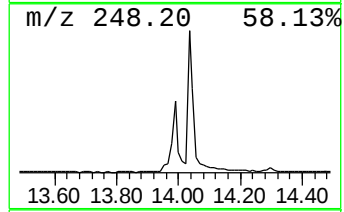
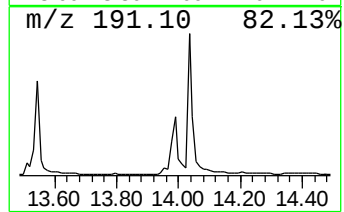
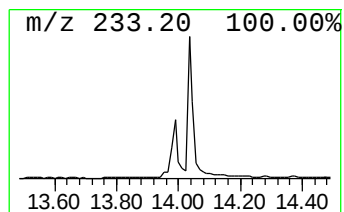
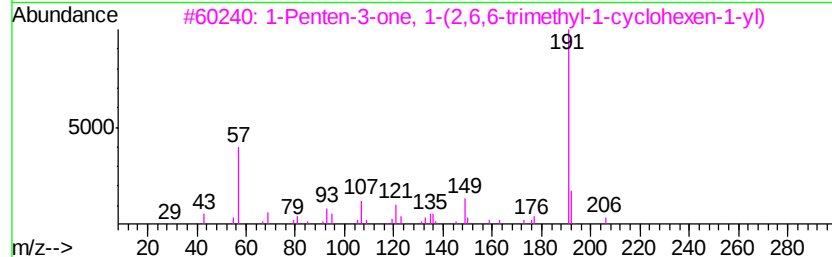
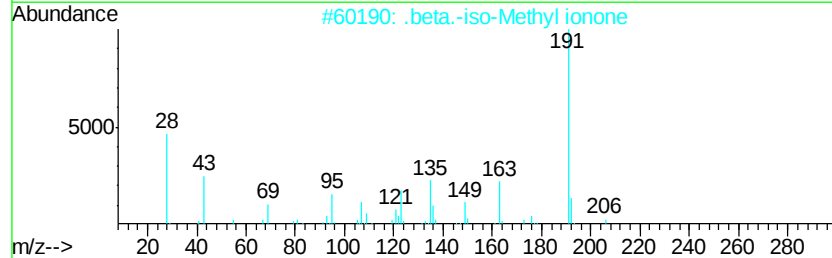
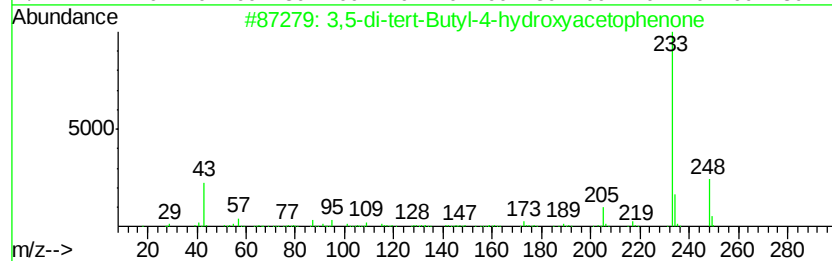
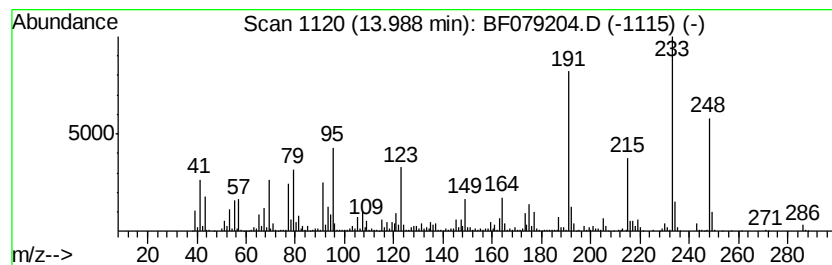
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown13.99 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	90.40 ng	2467470	Phenanthrene-d10	12.83

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,5-di-tert-Butyl-4-hydroxyaceto...	248	C16H24O2	014035-33-7	22
2		.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	20
3		1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	18
4		8-Isopropyl-1,3-dimethylphenanth...	248	C19H20	135886-06-5	18
5		Spiro[4H-1,3,2-benzodioxaborin-4...	234	C14H23BO2	062238-27-1	14



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051315\
Data File : BF079204.D
Acq On : 13 May 2015 20:15
Operator : TP/IZ
Sample : G2211-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
1504303044-45-46-COMPOSITE

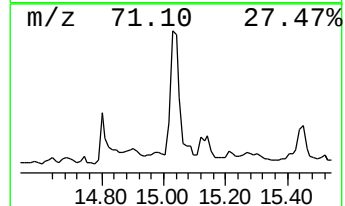
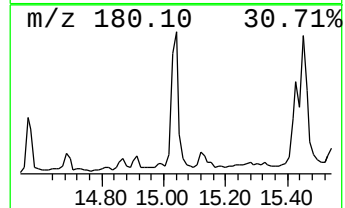
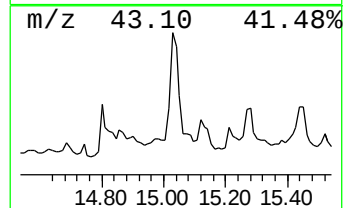
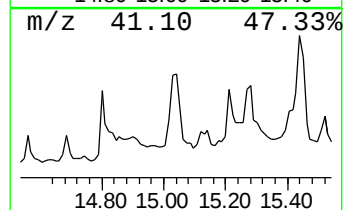
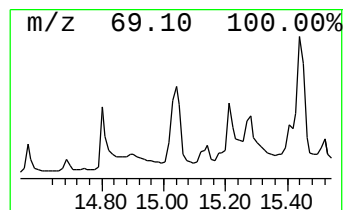
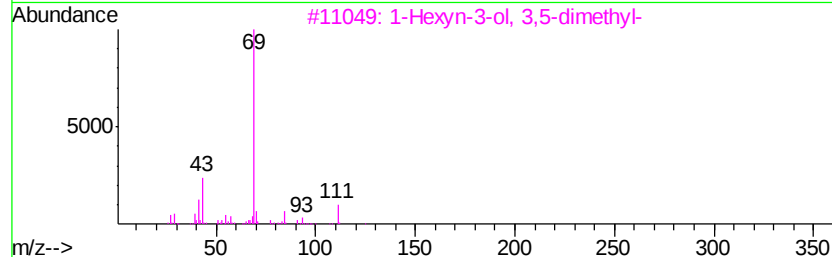
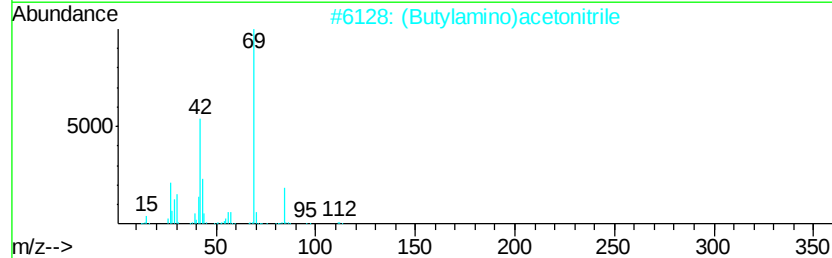
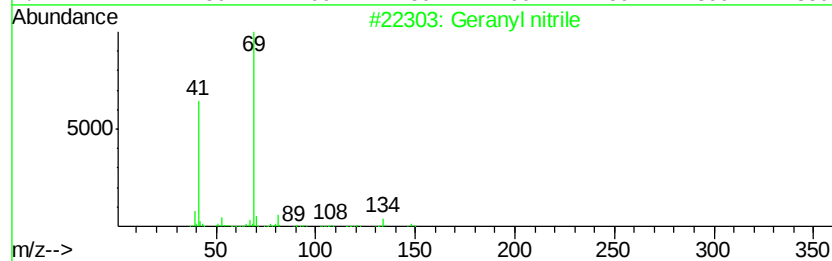
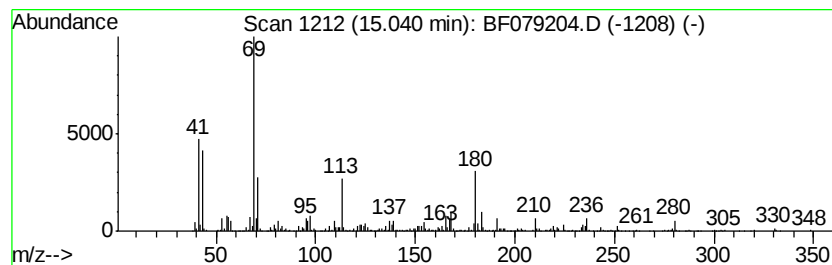
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown15.04 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	60.33 ng	1998340	Chrysene-d12	16.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Geranyl nitrile	149	C10H15N	101660-61-1	35
2		(Butylamino)acetonitrile	112	C6H12N2	003010-04-6	35
3		1-Hexyn-3-ol, 3,5-dimethyl-	126	C8H14O	000107-54-0	35
4		2,6-Octadiene, 4-methyl-	124	C9H16	074498-94-5	35
5		1,6-Octadiene, 2,7-dimethyl-	138	C10H18	040195-09-3	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051315\
Data File : BF079204.D
Acq On : 13 May 2015 20:15
Operator : TP/IZ
Sample : G2211-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

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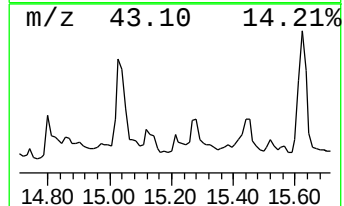
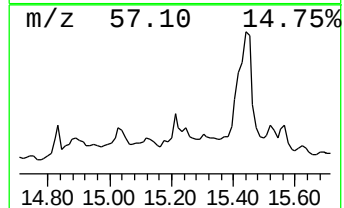
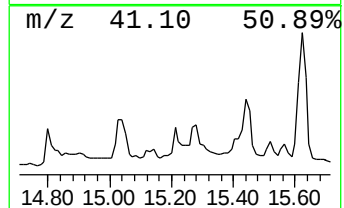
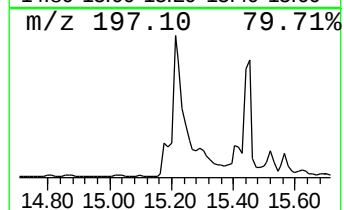
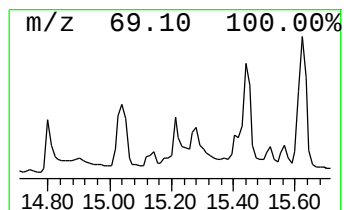
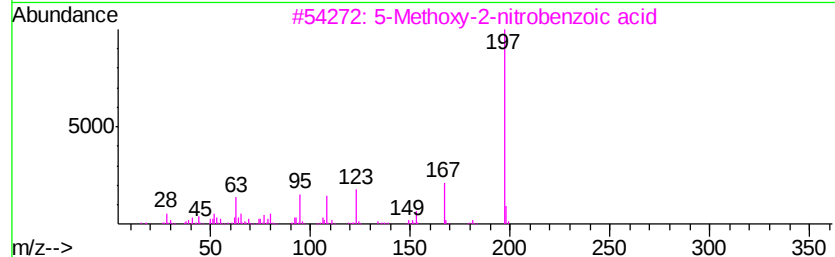
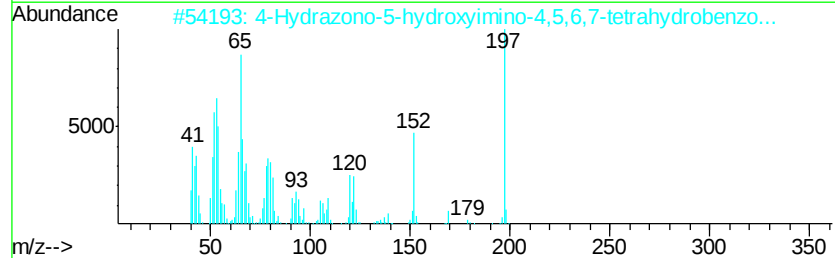
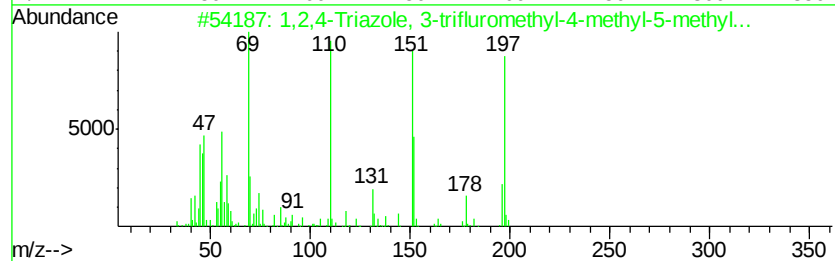
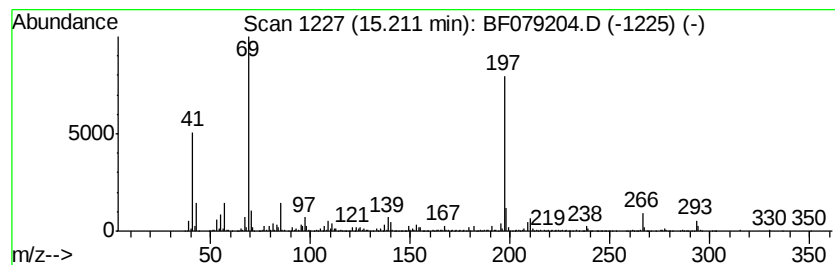
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 1,2,4-Triazole, 3-trifluoromethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.21	44.71 ng	1480940	Chrysene-d12	16.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2,4-Triazole, 3-trifluoromethyl-	197	C5H6F3N3S	054770-35-3	87
2		4-Hydrazono-5-hydroxyimino-4,5,6,7-tetrahydrobenzo[d][1,2,4]triazole	197	C6H7N5O3	303194-86-7	80
3		5-Methoxy-2-nitrobenzoic acid	197	C8H7NO5	001882-69-5	27
4		Pyrazolo[4,3-c]pyrazole-3-carboxylic acid	197	C5H3N5O4	161155-32-4	27
5		1,6-Octadiene, 3,5-dimethyl-, triisopropylidene acetal	138	C10H18	074630-87-8	25



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051315\
Data File : BF079204.D
Acq On : 13 May 2015 20:15
Operator : TP/IZ
Sample : G2211-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

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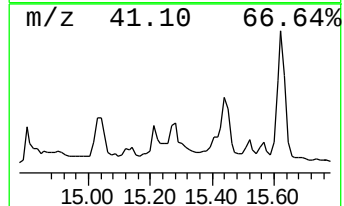
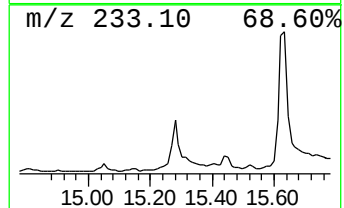
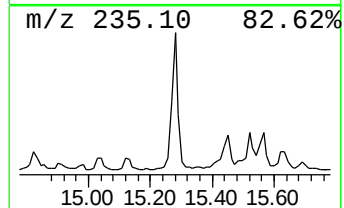
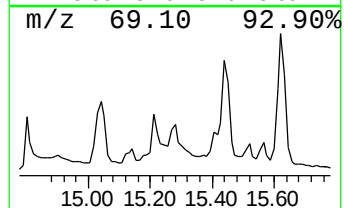
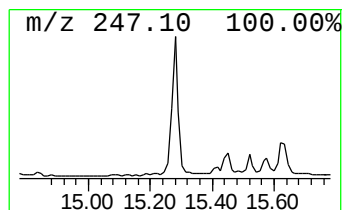
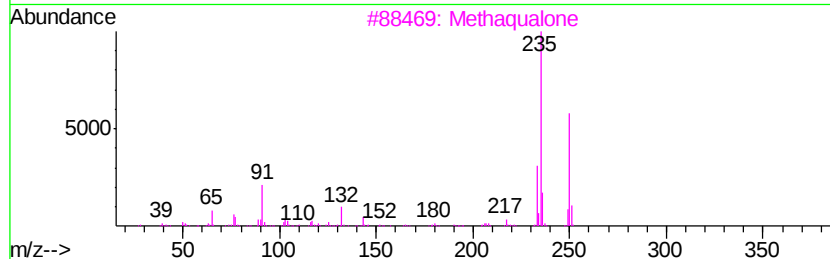
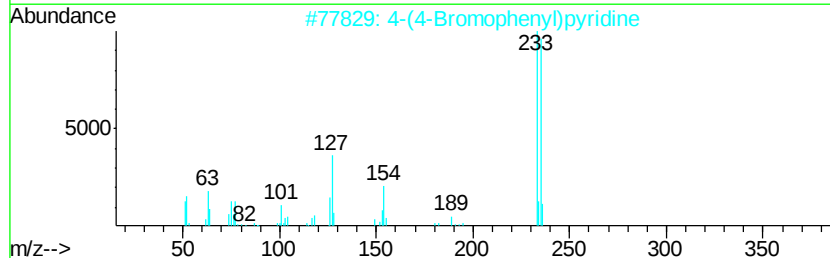
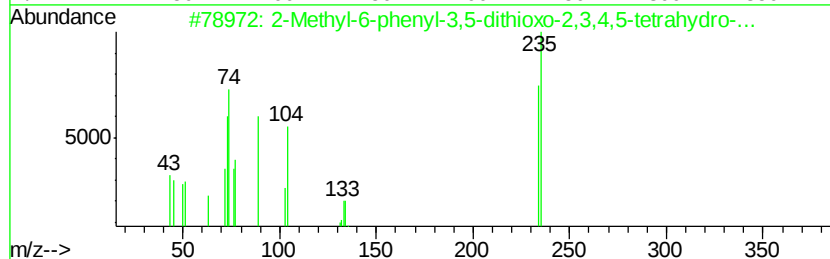
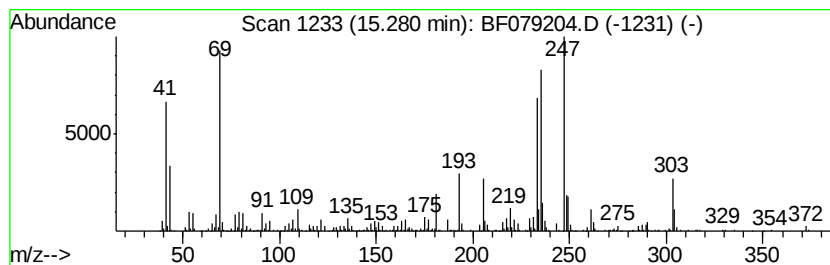
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown15.28 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.28	69.32 ng	2296140	Chrysene-d12	16.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Methyl-6-phenyl-3,5-dithioxo-2...	235	C10H9N3S2	038119-56-1	25
2		4-(4-Bromophenyl)pyridine	233	C11H8BrN	039795-60-3	25
3		Methaqualone	250	C16H14N2O	000072-44-6	14
4		1,3,5-Triazine-2,4,6-triamine, N...	235	C6H9N11	003576-88-3	11
5		Benzoic acid, 3-(aminosulfonyl)-...	235	C7H6ClN04S	001205-30-7	11



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051315\
Data File : BF079204.D
Acq On : 13 May 2015 20:15
Operator : TP/IZ
Sample : G2211-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
1504303044-45-46-COMPOSITE

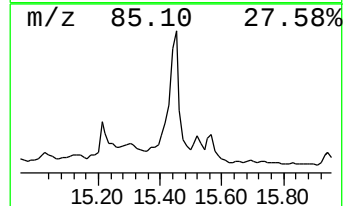
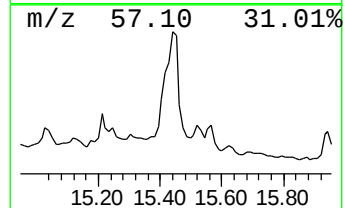
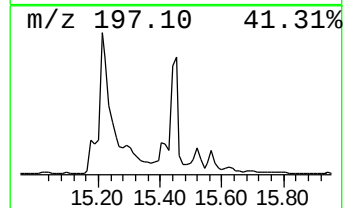
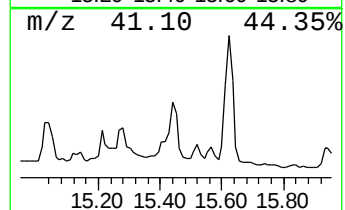
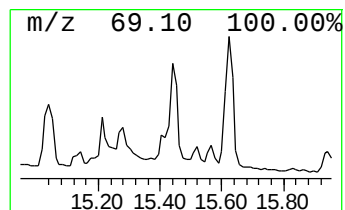
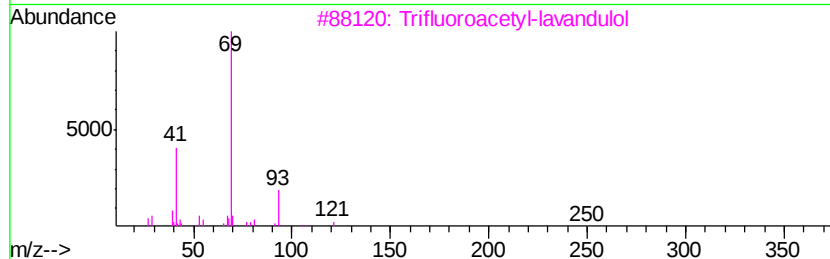
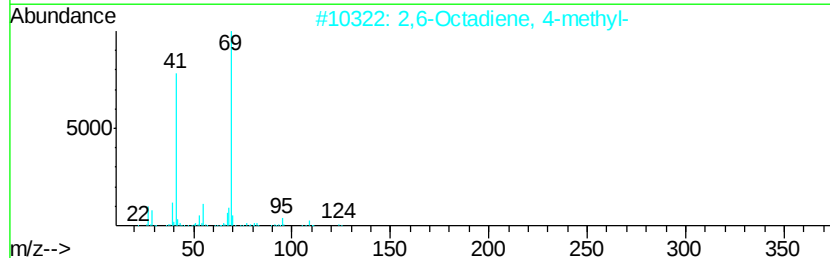
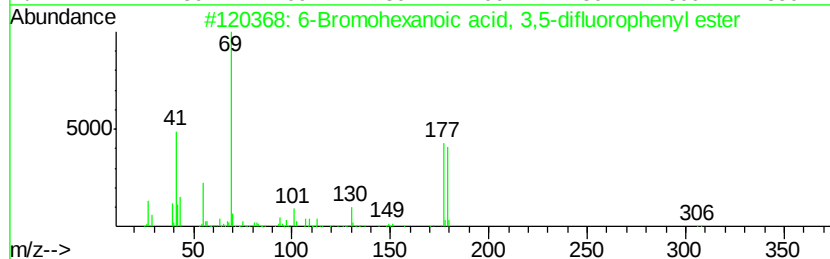
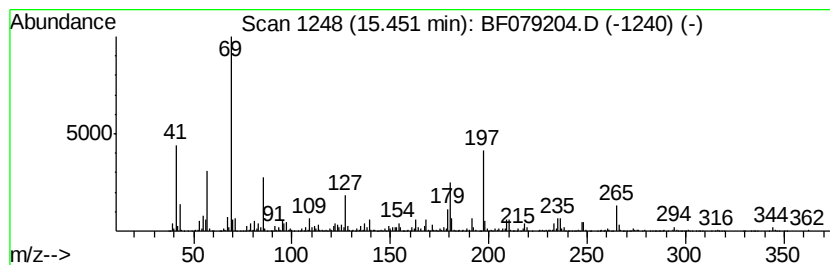
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown15.45 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.45	131.83 ng	4366930	Chrysene-d12	16.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	6-Bromohexanoic acid, 3,5-difluo...	306	C12H13BrF2O2	1000293-66-5	27
2		2,6-Octadiene, 4-methyl-	124	C9H16	074498-94-5	27
3		Trifluoroacetyl-lavandulol	250	C12H17F3O2	028673-24-7	27
4		Methanone, dicyclopropyl-	110	C7H10O	001121-37-5	27
5		1,3-Dioxolan-2-one, 3-methyl-3-(...	264	C16H24O3	336879-76-6	16



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051315\
Data File : BF079204.D
Acq On : 13 May 2015 20:15
Operator : TP/IZ
Sample : G2211-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
1504303044-45-46-COMPOSITE

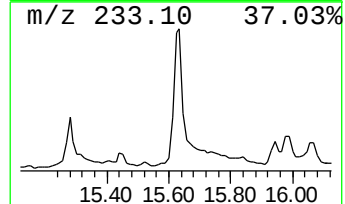
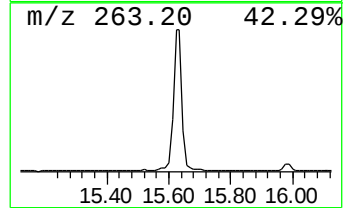
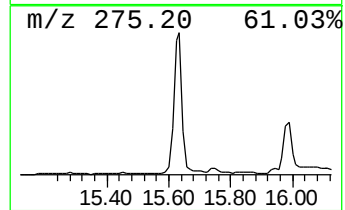
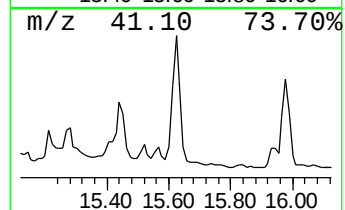
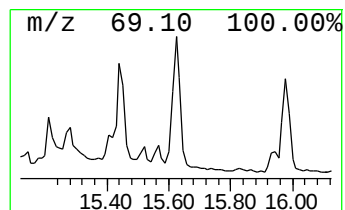
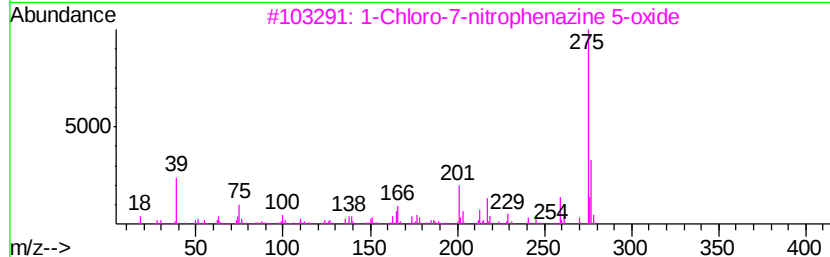
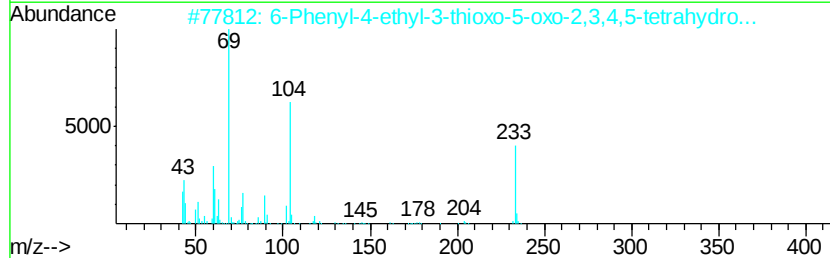
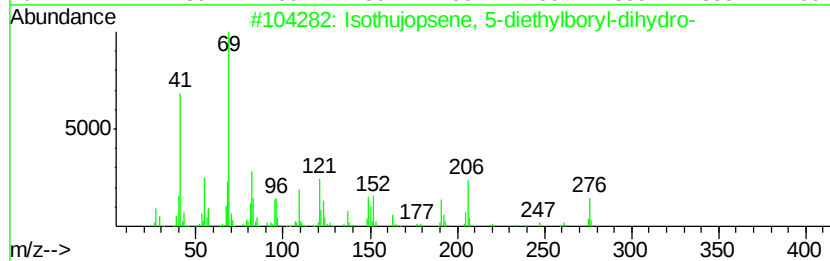
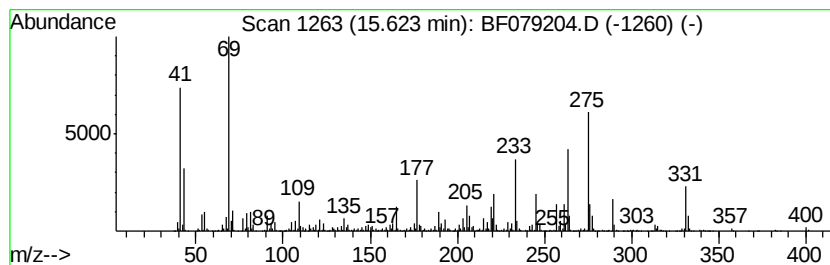
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 unknown15.62 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	196.06 ng	6494820	Chrysene-d12	16.19

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Isothuiopsene, 5-diethylboryl-di...	276	C19H37B	1000151-29-3	22
2		6-Phenyl-4-ethyl-3-thioxo-5-oxo-...	233	C11H11N3OS	022943-18-6	22
3		1-Chloro-7-nitrophenazine 5-oxide	275	C12H6ClN3O3	023663-48-1	10
4		1,1':4',1''-Terphenyl, 4-nitro-	275	C18H13N02	010355-53-0	10
5		5-Iodo-2-methyl-benzothiazole	275	C8H6INS	090414-61-2	10



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051315\
Data File : BF079204.D
Acq On : 13 May 2015 20:15
Operator : TP/IZ
Sample : G2211-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

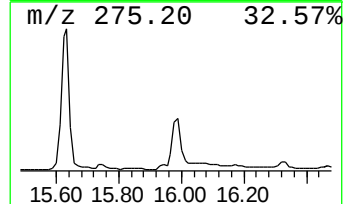
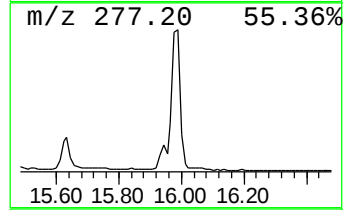
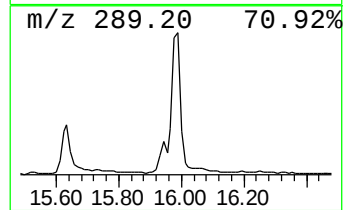
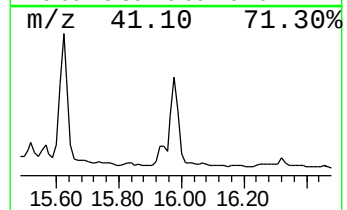
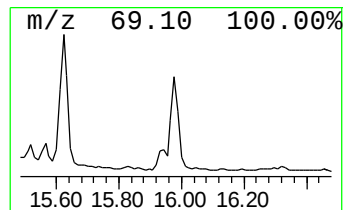
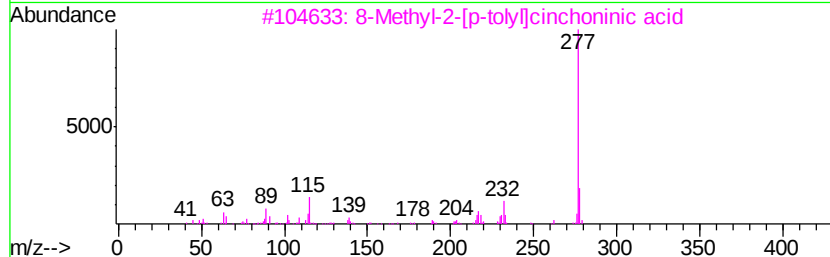
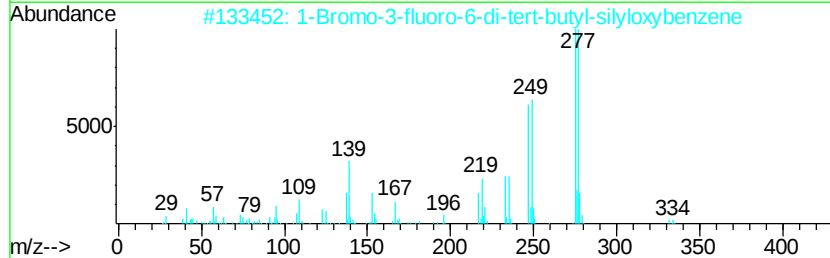
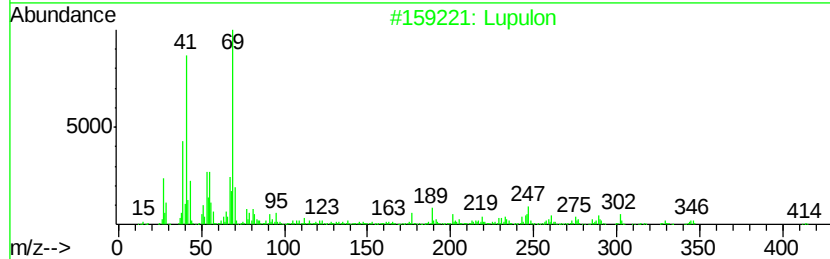
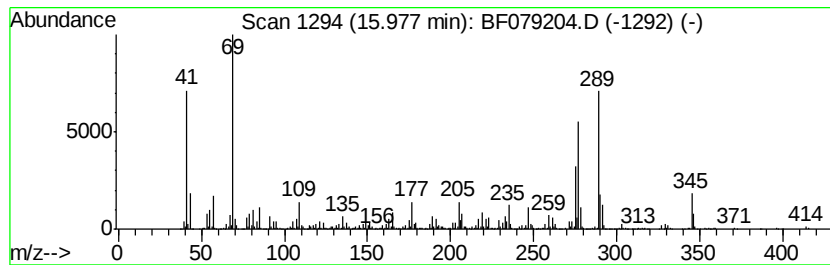
Instrument :
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ClientSampleId :
1504303044-45-46-COMPOSITE

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 20 unknown15.98 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.		
15.98	114.01 ng	3776710	Chrysene-d12	16.19		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Lupulon	414	C26H38O4	000468-28-0	38
2		1-Bromo-3-fluoro-6-di-tert-butyl...	332	C14H22BrFOSi	1000292-69-3	15
3		8-Methyl-2-[p-tolyl]cinchoninic ...	277	C18H15NO2	018060-44-1	11
4		Butane, 2,2-bis(5-acetyl-2-thien...	306	C16H18O2S2	155187-84-1	10
5		Cobalt,(.eta.<5>-2,4-cyclopentad...	277	C16H15BCo	036682-12-9	10



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051315\
 Data File : BF079204.D
 Acq On : 13 May 2015 20:15
 Operator : TP/IZ
 Sample : G2211-01 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1504303044-45-46-COMPOSITE

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
1,3-Pentadiene, 2...	2.02	43.7	ng	859557	1	7.23	393603	20.0
2-Pentenoic acid,...	7.16	159.5	ng	3139800	1	7.23	393603	20.0
1H-Pyrrole-2,5-dione	7.38	66.0	ng	1298170	1	7.23	393603	20.0
2-(Diethylamino)a...	8.19	76.3	ng	1662670	2	8.81	435679	20.0
unknown12.27	12.27	117.4	ng	3204060	4	12.83	545892	20.0
1,6-Octadiene, 3,...	12.58	114.4	ng	3122910	4	12.83	545892	20.0
unknown12.73	12.73	67.8	ng	1850380	4	12.83	545892	20.0
unknown12.78	12.78	210.3	ng	5739940	4	12.83	545892	20.0
Benzofuro[3,2-d]p...	13.14	57.5	ng	1569040	4	12.83	545892	20.0
unknown13.36	13.36	44.9	ng	1224770	4	12.83	545892	20.0
Dehydro-cohumulin...	13.54	115.9	ng	3163980	4	12.83	545892	20.0
unknown13.99	13.99	90.4	ng	2467470	4	12.83	545892	20.0
unknown15.04	15.04	60.3	ng	1998340	5	16.19	662519	20.0
1,2,4-Triazole, 3...	15.21	44.7	ng	1480940	5	16.19	662519	20.0
unknown15.28	15.28	69.3	ng	2296140	5	16.19	662519	20.0
unknown15.45	15.45	131.8	ng	4366930	5	16.19	662519	20.0
unknown15.62	15.62	196.1	ng	6494820	5	16.19	662519	20.0
unknown15.98	15.98	114.0	ng	3776710	5	16.19	662519	20.0