

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101317\
 Data File : BF099445.D
 Acq On : 13 Oct 2017 17:52
 Operator : SJ/JU
 Sample : I5713-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-16

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-BF092317.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	2.140	4	9	28	rVB	163758	224162	7.68%	0.764%
2	5.075	505	508	517	rBV	148950	170465	5.84%	0.581%
3	5.475	573	576	586	rBV	1427949	1300158	44.52%	4.429%
4	6.481	744	747	755	rBV	867326	774408	26.52%	2.638%
5	6.628	767	772	775	rBV	2336701	2285709	78.27%	7.787%
6	6.851	807	810	814	rBV	740702	586419	20.08%	1.998%
7	7.010	833	837	839	rBV	2461841	2261423	77.44%	7.704%
8	7.028	839	840	844	rVB	465891	372393	12.75%	1.269%
9	7.169	861	864	865	rBV	69546	60844	2.08%	0.207%
10	7.187	865	867	873	rVB2	64345	58946	2.02%	0.201%
11	7.381	891	900	903	rBV	290557	309535	10.60%	1.054%
12	7.422	903	907	910	rVB2	1963248	1908743	65.36%	6.502%
13	7.492	916	919	923	rBV2	43315	39718	1.36%	0.135%
14	7.534	923	926	930	rBV	62970	62470	2.14%	0.213%
15	7.616	937	940	944	rVB	366716	286202	9.80%	0.975%
16	7.781	964	968	970	rBV2	88516	93534	3.20%	0.319%
17	7.804	970	972	976	rVB2	113813	129679	4.44%	0.442%
18	7.869	979	983	987	rBV	824485	701964	24.04%	2.391%
19	7.939	992	995	998	rBV3	39747	41760	1.43%	0.142%
20	8.040	1007	1012	1014	rBV4	46261	63885	2.19%	0.218%
21	8.134	1022	1028	1033	rBV	968731	1042943	35.71%	3.553%
22	8.175	1033	1035	1038	rVB	194370	150190	5.14%	0.512%
23	8.216	1038	1042	1045	rVB3	52249	55070	1.89%	0.188%
24	8.257	1045	1049	1051	rBV2	49664	53166	1.82%	0.181%
25	8.287	1051	1054	1056	rVB3	49146	44904	1.54%	0.153%
26	8.328	1056	1061	1066	rBV2	163448	179767	6.16%	0.612%
27	8.375	1066	1069	1072	rBV	136007	160983	5.51%	0.548%
28	8.404	1072	1074	1080	rVB2	132077	137332	4.70%	0.468%
29	8.451	1080	1082	1085	rBV2	44035	45166	1.55%	0.154%
30	8.516	1089	1093	1097	rVB	267416	253064	8.67%	0.862%
31	8.598	1099	1107	1111	rBV2	393941	570258	19.53%	1.943%
32	8.634	1111	1113	1115	rBV2	85253	68897	2.36%	0.235%
33	8.692	1119	1123	1125	rBV2	95743	88266	3.02%	0.301%
34	8.722	1125	1128	1131	rVB2	217687	213882	7.32%	0.729%

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35	8.757	1131	1134	1136	rBV2	72411	75983	2.60%	0.259%
36	8.798	1138	1141	1143	rBV2	235694	210456	7.21%	0.717%
37	8.822	1143	1145	1147	rVB	77257	51077	1.75%	0.174%
38	8.875	1151	1154	1157	rVB3	58981	77731	2.66%	0.265%
39	8.945	1158	1166	1169	rBV	638282	682212	23.36%	2.324%
40	8.975	1169	1171	1172	rBV	65610	51918	1.78%	0.177%
41	9.028	1177	1180	1183	rBV3	73559	102824	3.52%	0.350%
42	9.057	1183	1185	1186	rBV2	53593	48082	1.65%	0.164%
43	9.075	1186	1188	1192	rVB	111985	93252	3.19%	0.318%
44	9.116	1192	1195	1196	rBV2	35407	33769	1.16%	0.115%
45	9.134	1196	1198	1201	rVB3	55242	57869	1.98%	0.197%
46	9.169	1201	1204	1206	rVB3	76174	59589	2.04%	0.203%
47	9.210	1206	1211	1214	rBV	3239232	2920215	100.00%	9.948%
48	9.257	1214	1219	1222	rVB6	55443	61505	2.11%	0.210%
49	9.310	1225	1228	1233	rBV5	71678	105421	3.61%	0.359%
50	9.351	1233	1235	1237	rVB	124189	88495	3.03%	0.301%
51	9.381	1237	1240	1243	rBV3	149417	150079	5.14%	0.511%
52	9.416	1243	1246	1250	rVB	194162	186891	6.40%	0.637%
53	9.475	1250	1256	1259	rBV3	310575	461316	15.80%	1.572%
54	9.545	1265	1268	1271	rBV	442747	492176	16.85%	1.677%
55	9.604	1276	1278	1281	rVB2	70159	59734	2.05%	0.203%
56	9.663	1285	1288	1289	rVV	260248	197576	6.77%	0.673%
57	9.681	1289	1291	1293	rVV	229399	176420	6.04%	0.601%
58	9.698	1293	1294	1297	rVB3	84036	67457	2.31%	0.230%
59	9.745	1298	1302	1306	rBV	196329	200883	6.88%	0.684%
60	9.886	1323	1326	1330	rBV	801193	771207	26.41%	2.627%
61	9.922	1330	1332	1335	rVB2	239377	184752	6.33%	0.629%
62	10.045	1348	1353	1357	rBV4	75412	128358	4.40%	0.437%
63	10.086	1358	1360	1364	rVV3	82092	90178	3.09%	0.307%
64	10.128	1365	1367	1369	rVV	65686	38956	1.33%	0.133%
65	10.204	1376	1380	1384	rBV2	231338	306176	10.48%	1.043%
66	10.281	1391	1393	1397	rVB	70511	62352	2.14%	0.212%
67	10.439	1416	1420	1424	rBV3	205861	255273	8.74%	0.870%
68	10.504	1428	1431	1436	rVB	466721	452290	15.49%	1.541%
69	10.628	1450	1452	1455	rBV2	72666	82617	2.83%	0.281%
70	10.681	1457	1461	1464	rVV	1355701	1240974	42.50%	4.228%
71	10.928	1501	1503	1506	rVB3	58994	45744	1.57%	0.156%

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72	10.975	1508	1511	1514	rVB3	56778	76316	2.61%	0.260%
73	11.016	1515	1518	1521	rBV	130184	133188	4.56%	0.454%
74	11.275	1560	1562	1565	rVB	55852	42189	1.44%	0.144%
75	11.375	1576	1579	1582	rVB	581989	527116	18.05%	1.796%
76	11.898	1665	1668	1675	rVB3	84415	93542	3.20%	0.319%
77	12.680	1798	1801	1807	rBV2	65989	70362	2.41%	0.240%
78	12.963	1844	1849	1852	rBV	1780810	1793771	61.43%	6.111%
79	13.551	1947	1949	1954	rVB	51352	46221	1.58%	0.157%
80	13.839	1996	1998	2002	rBV3	37733	38633	1.32%	0.132%
81	14.016	2025	2028	2035	rVB	515893	502727	17.22%	1.713%
82	15.492	2273	2279	2285	rBV	473005	596481	20.43%	2.032%
83	15.910	2346	2350	2357	rBV2	40370	56772	1.94%	0.193%
84	16.410	2431	2435	2442	rVB2	41825	78103	2.67%	0.266%
85	16.998	2529	2535	2540	rBV2	37337	79310	2.72%	0.270%
86	17.692	2649	2653	2659	rVB3	28628	51356	1.76%	0.175%

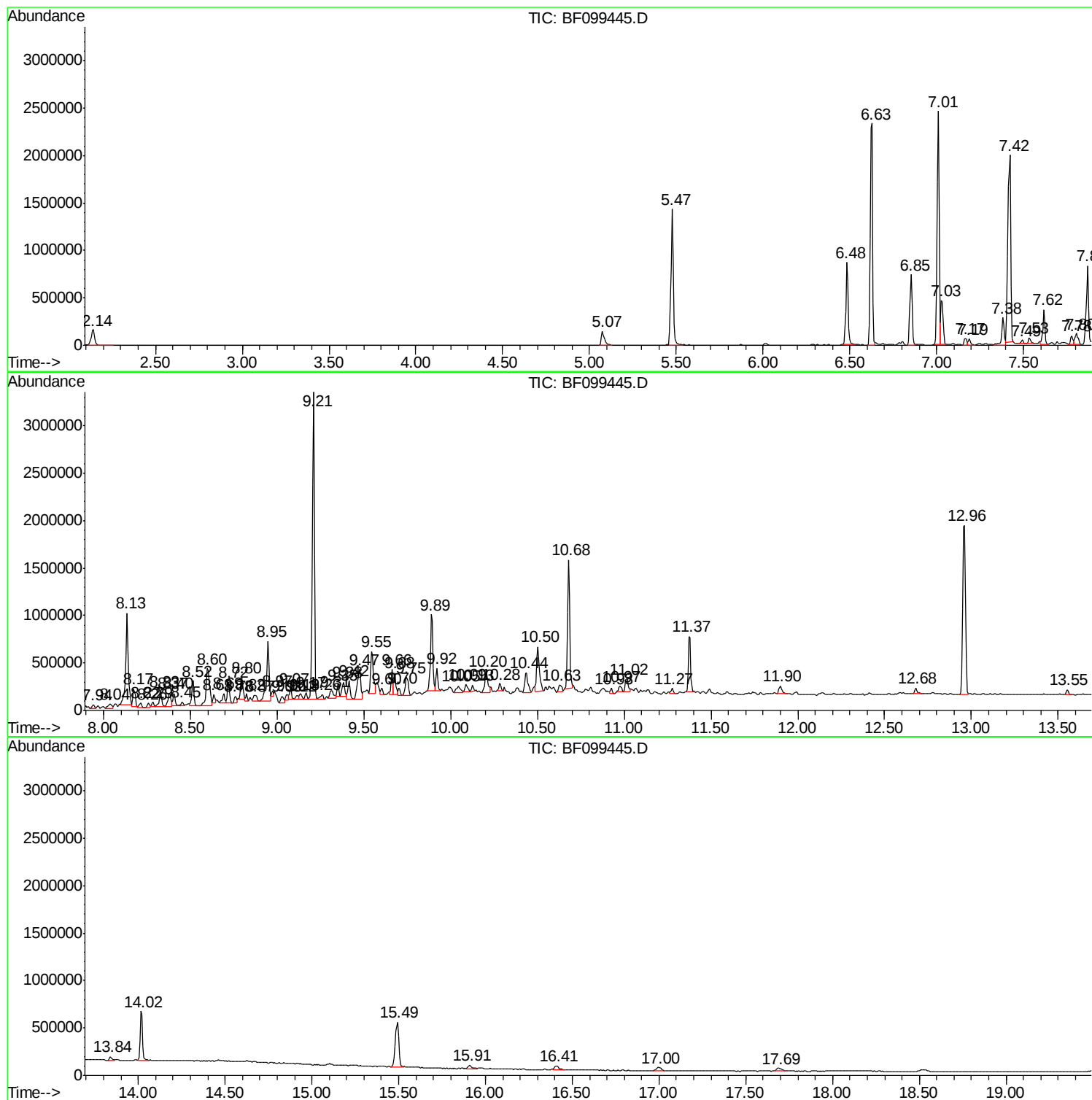
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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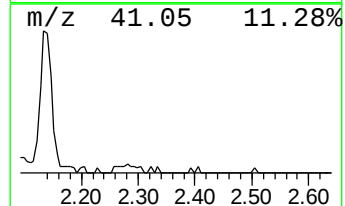
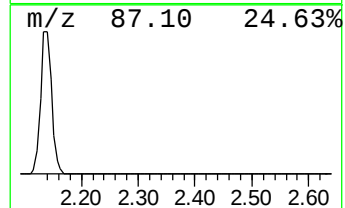
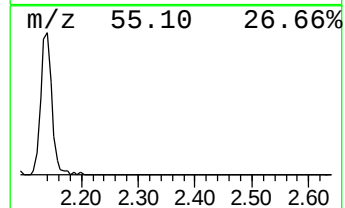
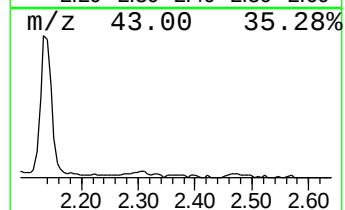
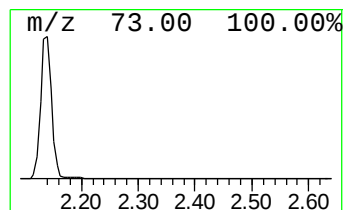
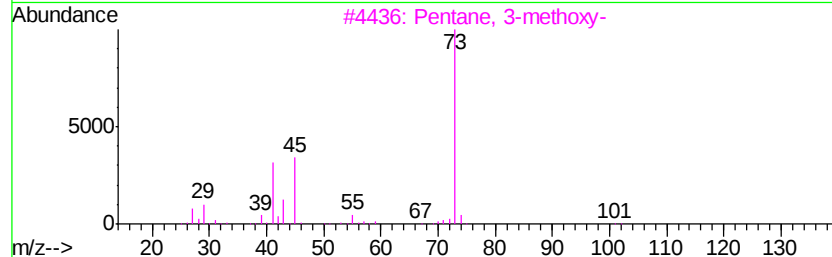
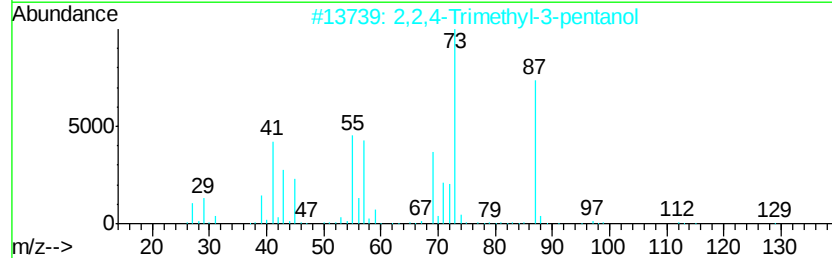
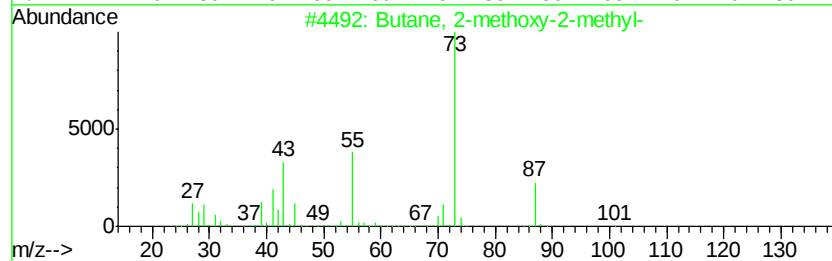
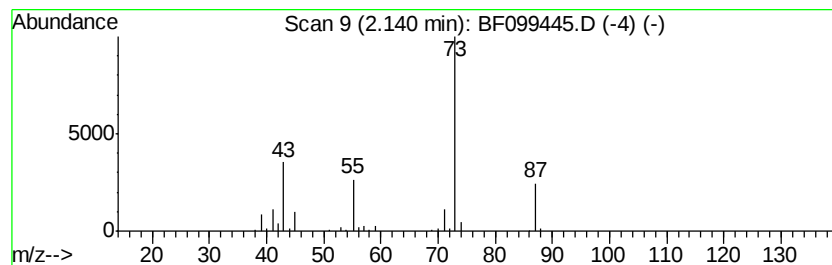
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.14	7.65 ng	224162	1,4-Dichlorobenzene-d4	6.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			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			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
4			Silane, tetramethyl-	88	C4H12Si	000075-76-3	12
5			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	10



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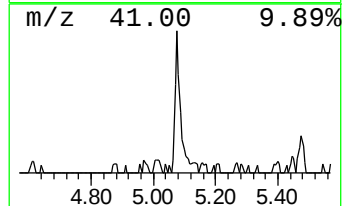
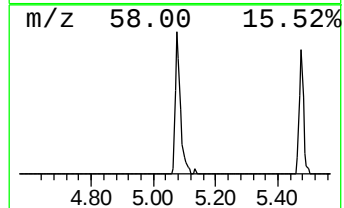
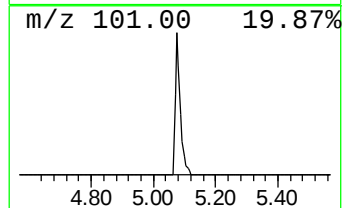
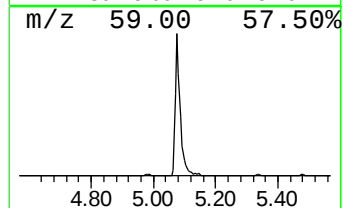
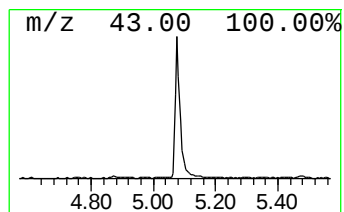
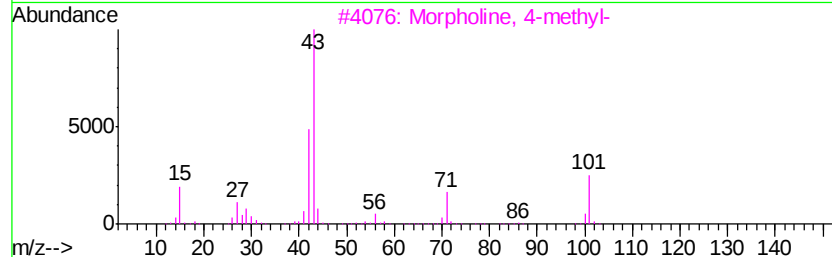
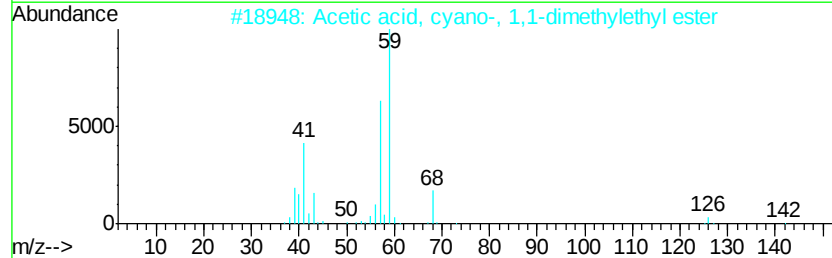
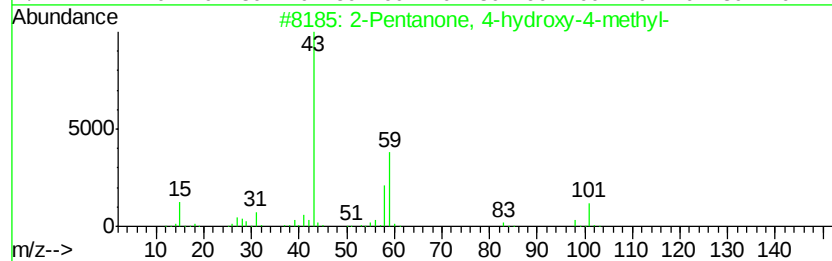
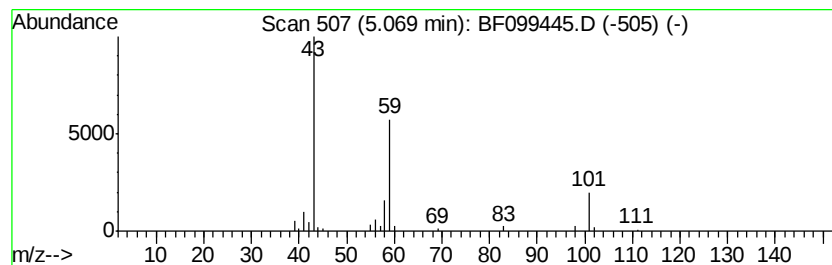
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	5.81 ng	170465	1,4-Dichlorobenzene-d4	6.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3			Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4			5-Hexen-2-one	98	C6H10O	000109-49-9	9
5			Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	9



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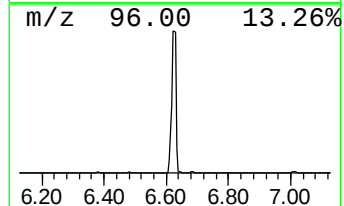
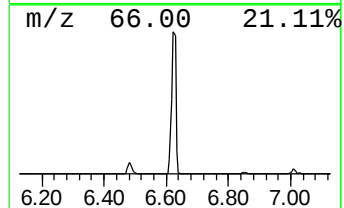
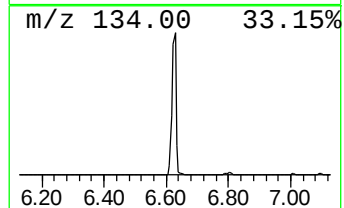
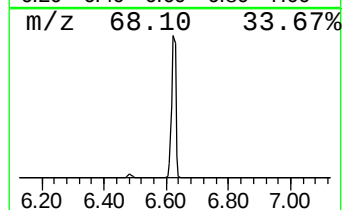
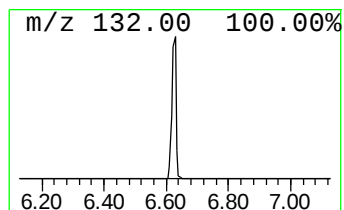
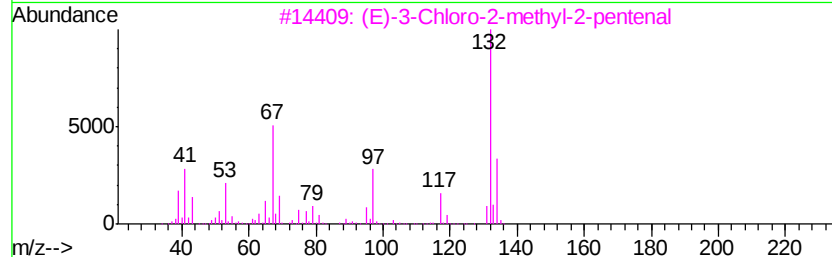
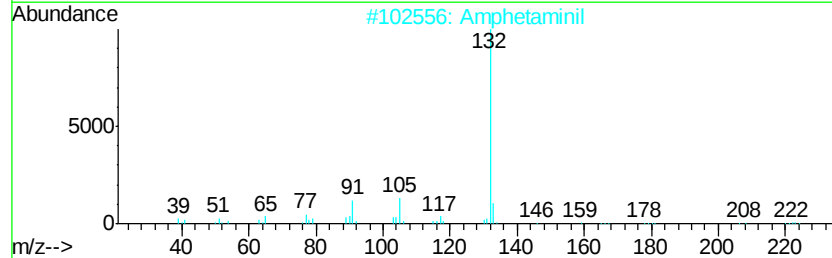
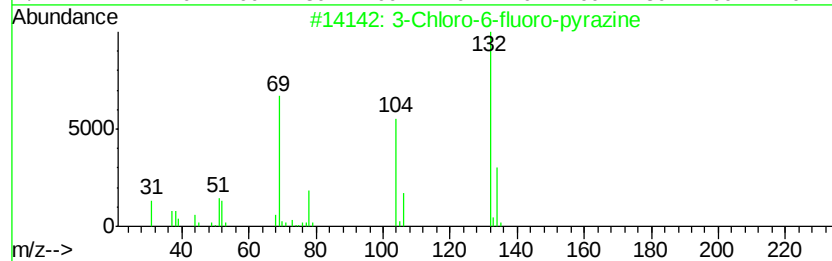
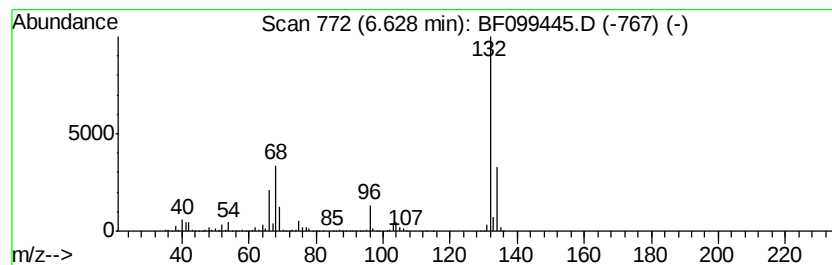
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown6.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	77.95 ng	2285710	1,4-Dichlorobenzene-d4	6.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2		Amphetaminil	250	C17H18N2	017590-01-1	12
3		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
4		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



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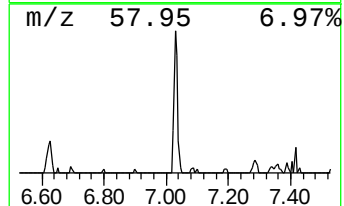
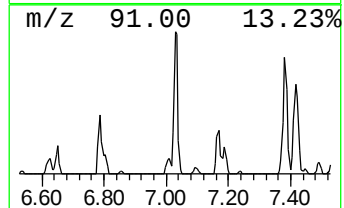
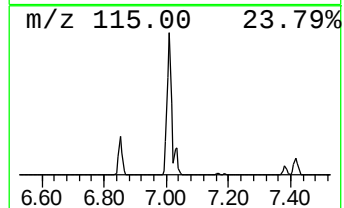
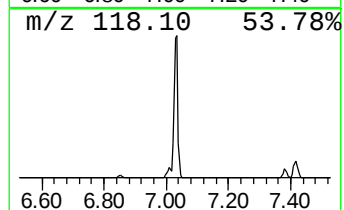
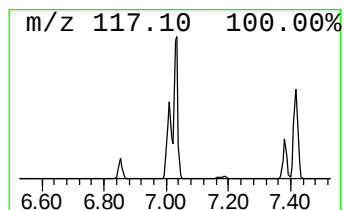
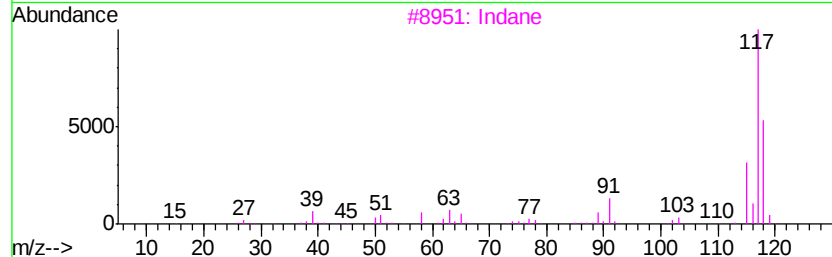
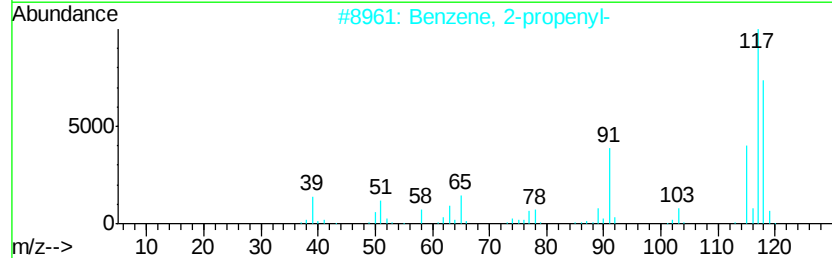
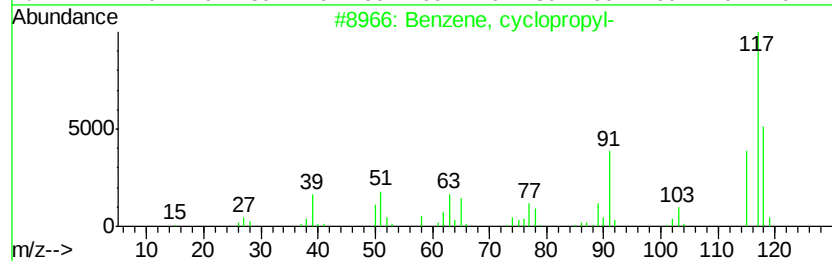
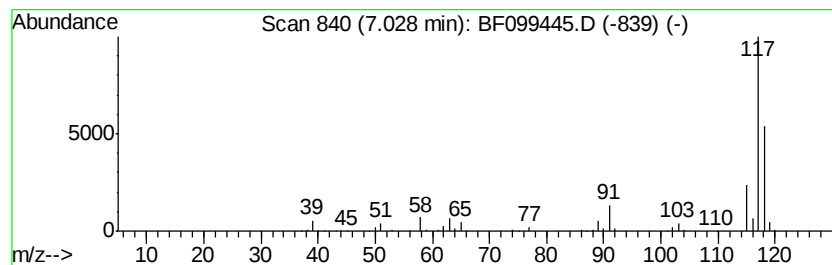
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Benzene, cyclopropyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.03	12.70 ng	372393	1,4-Dichlorobenzene-d4	6.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	87
2		Benzene, 2-propenyl-	118	C9H10	000300-57-2	80
3		Indane	118	C9H10	000496-11-7	80
4		Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	80
5		1,3-Methanopentalene, 1,2,3,5-te...	118	C9H10	128600-88-4	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101317\
Data File : BF099445.D
Acq On : 13 Oct 2017 17:52
Operator : SJ/JU
Sample : I5713-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-16

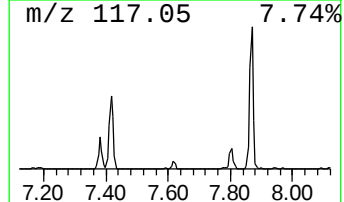
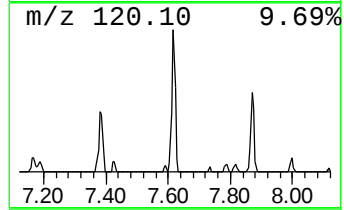
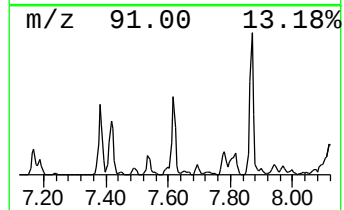
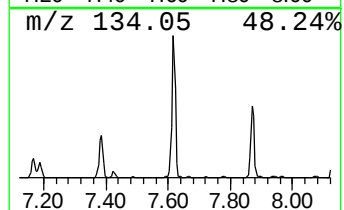
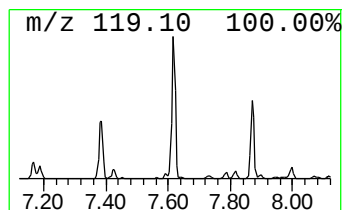
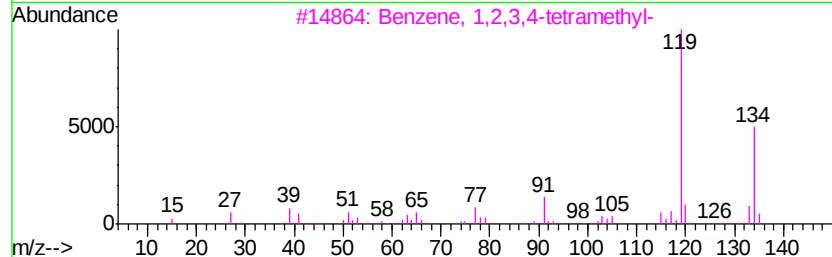
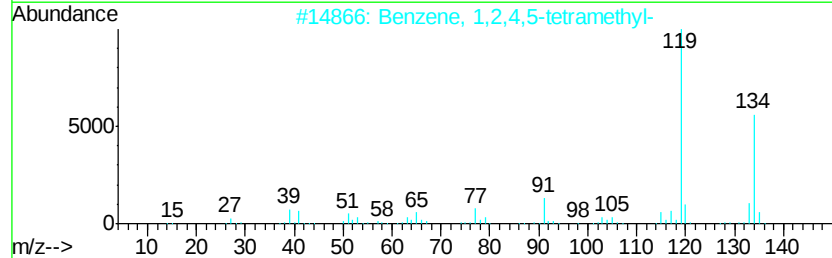
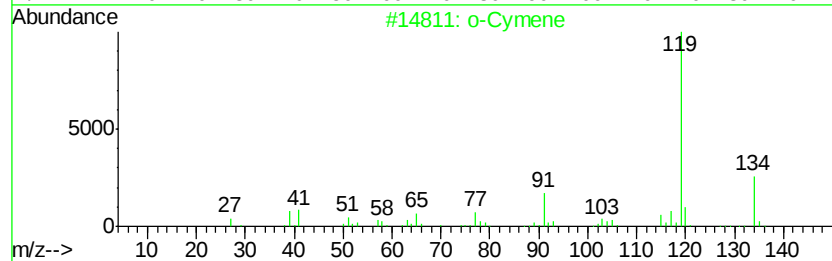
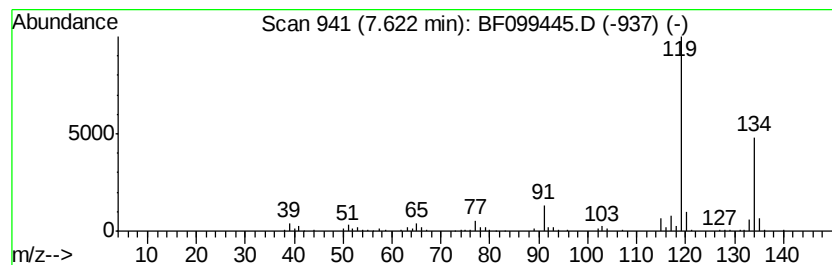
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 o-Cymene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.62	5.49 ng	286202	Naphthalene-d8	8.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	96
2		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
5		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101317\
Data File : BF099445.D
Acq On : 13 Oct 2017 17:52
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Sample : I5713-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

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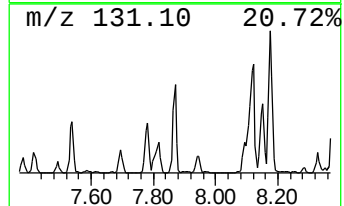
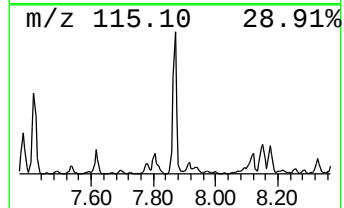
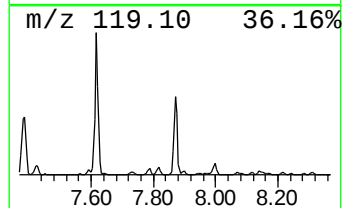
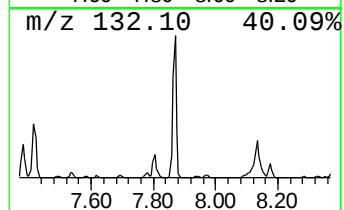
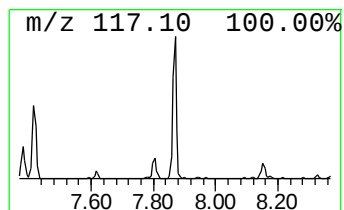
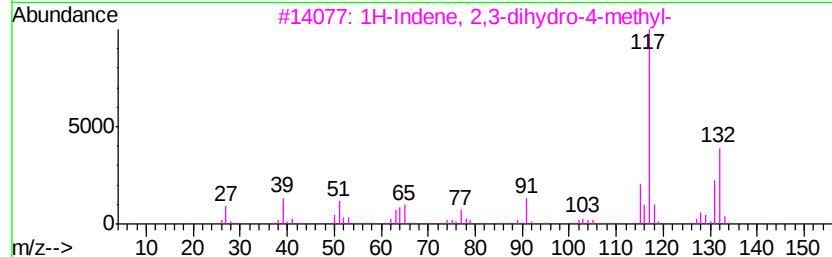
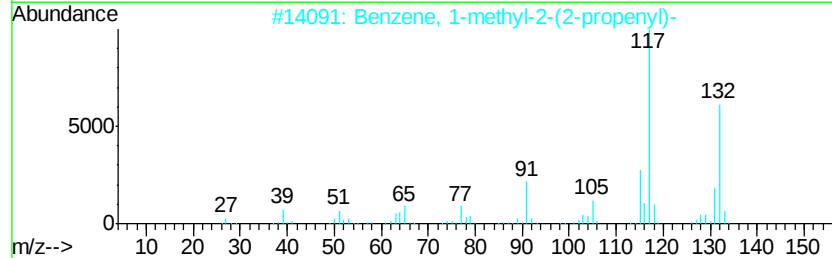
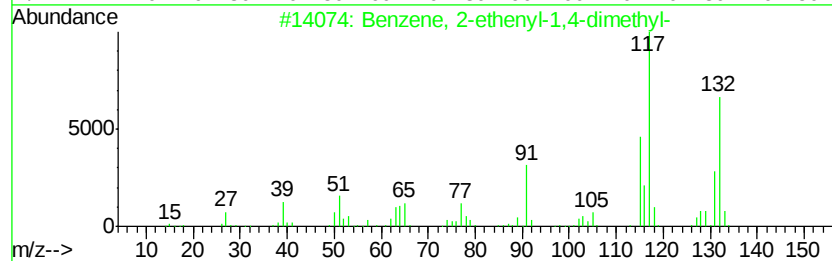
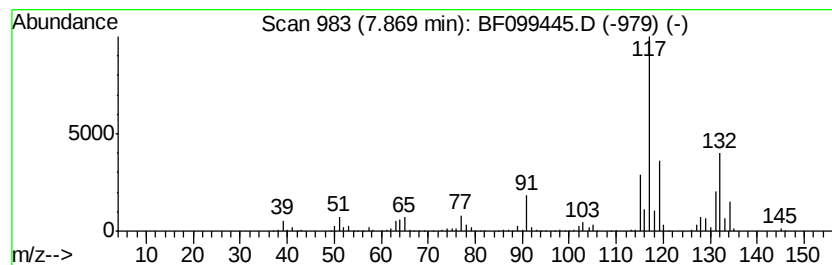
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.87	13.46 ng	701964	Napthalene-d8	8.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	81
3		1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	81
4		Benzene, 2-butenyl-	132	C10H12	001560-06-1	81
5		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101317\
Data File : BF099445.D
Acq On : 13 Oct 2017 17:52
Operator : SJ/JU
Sample : I5713-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

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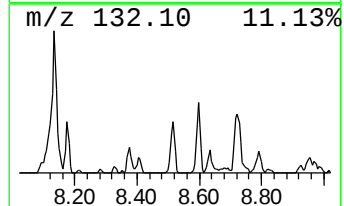
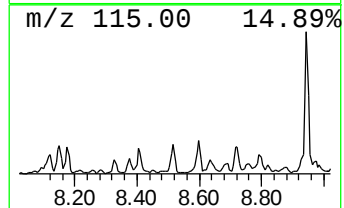
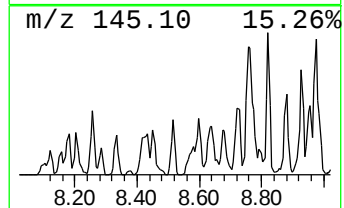
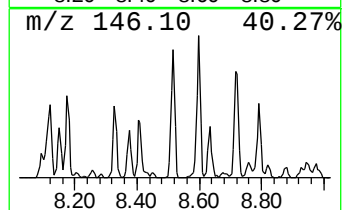
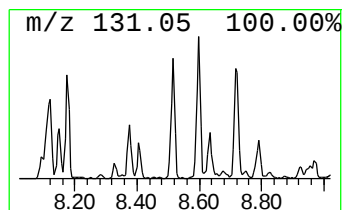
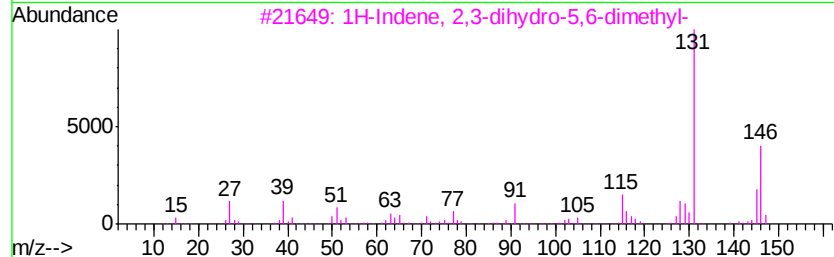
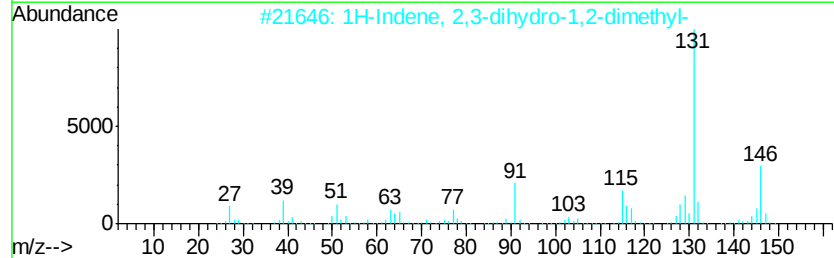
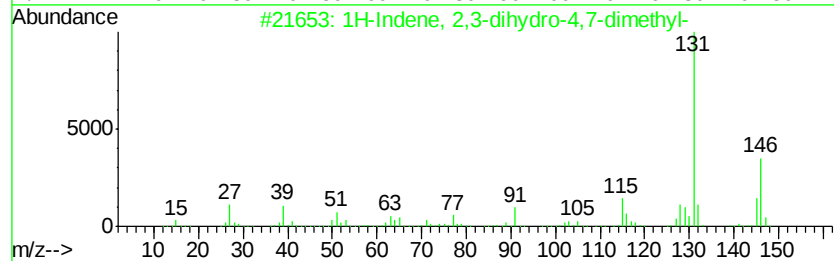
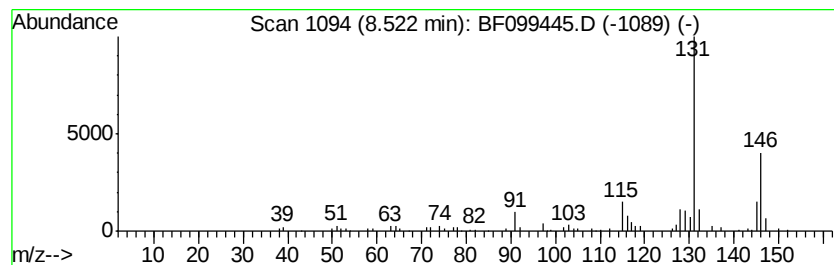
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.52	4.85 ng	253064	Naphthalene-d8	8.13

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	97
2			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	96
3			1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	94
4			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	94
5			Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101317\
Data File : BF099445.D
Acq On : 13 Oct 2017 17:52
Operator : SJ/JU
Sample : I5713-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

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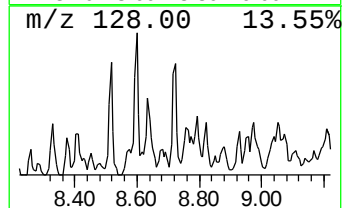
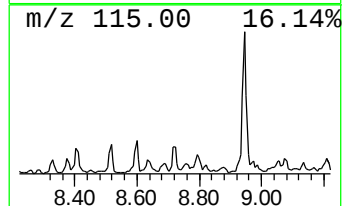
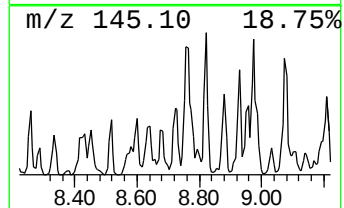
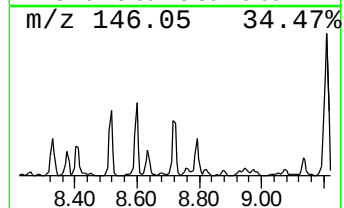
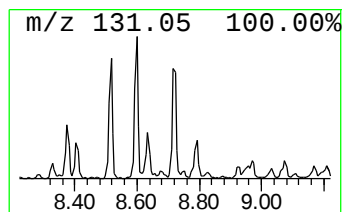
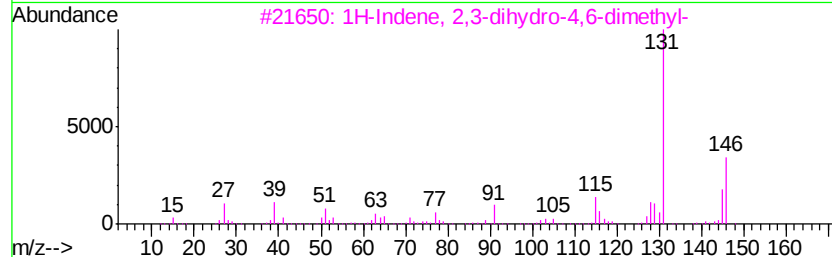
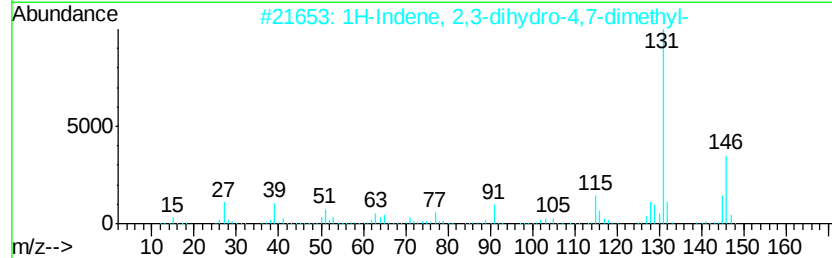
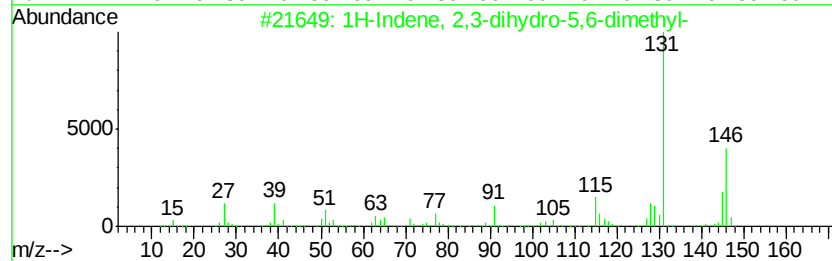
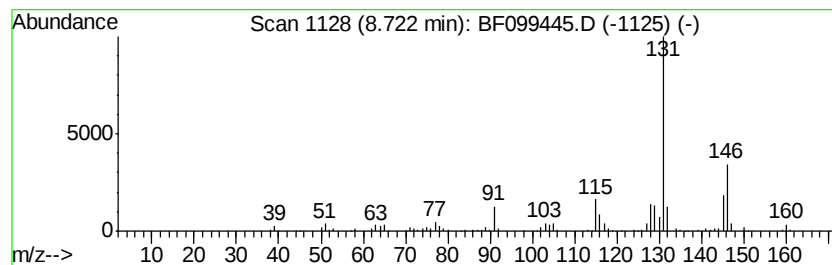
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 1H-Indene, 2,3-dihydro-5,6-... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.72	4.10 ng	213882	Napthalene-d8	8.13

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	96		
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	95		
3	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	94		
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91		
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91		



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101317\
Data File : BF099445.D
Acq On : 13 Oct 2017 17:52
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Misc :
ALS Vial : 8 Sample Multiplier: 1

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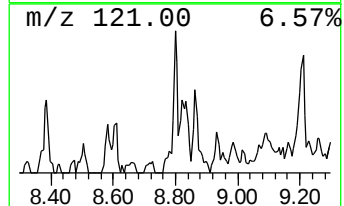
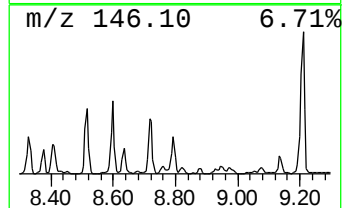
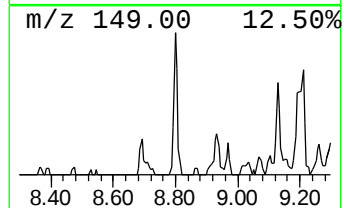
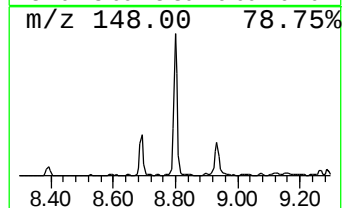
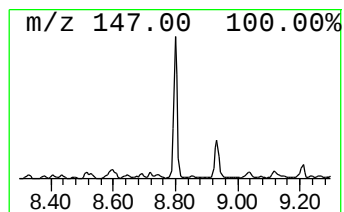
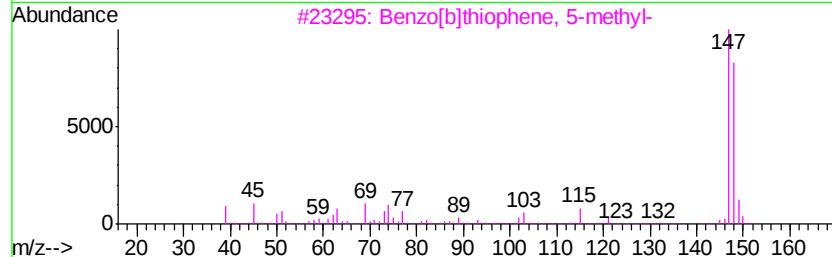
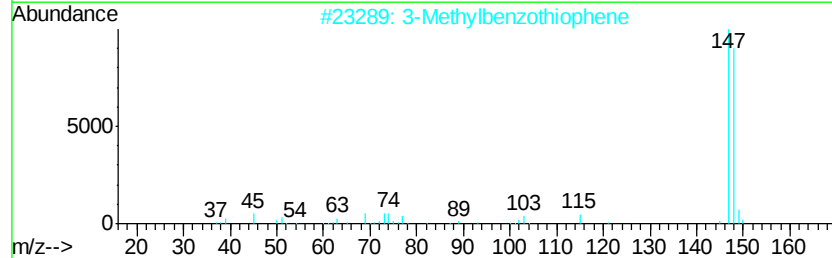
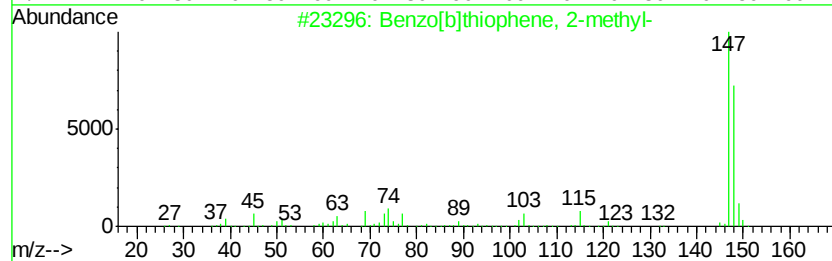
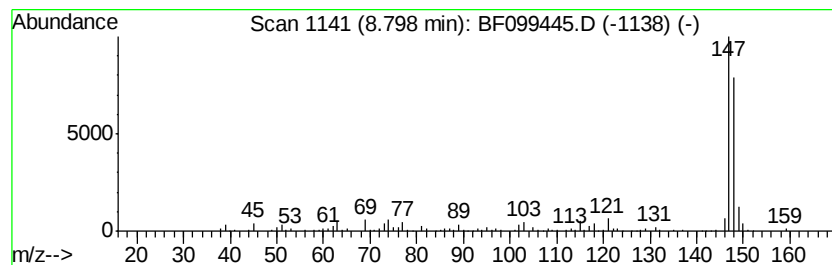
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Benzo[b]thiophene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.80	4.04 ng	210456	Napthalene-d8	8.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	90
2		3-Methylbenzothiophene	148	C9H8S	001455-18-1	90
3		Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	87
4		Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	87
5		Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101317\
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Misc :
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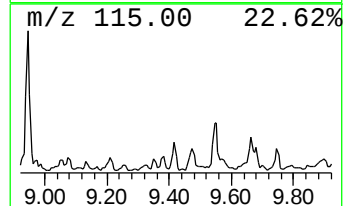
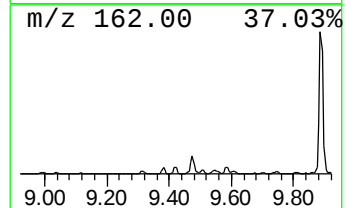
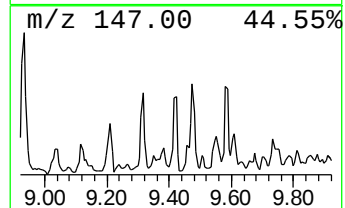
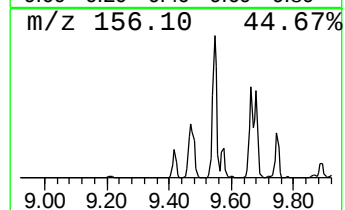
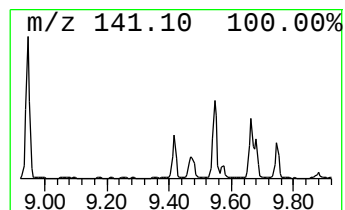
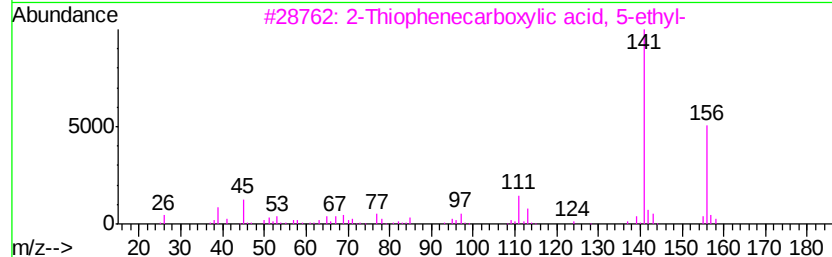
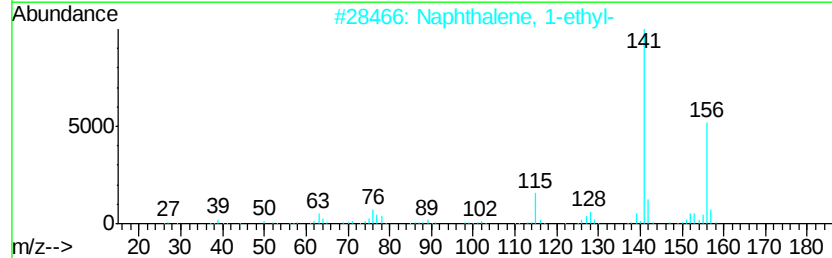
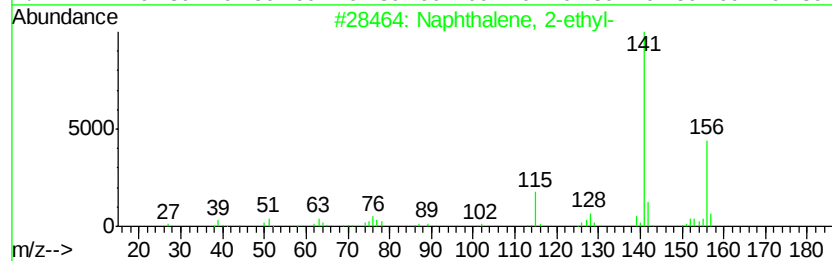
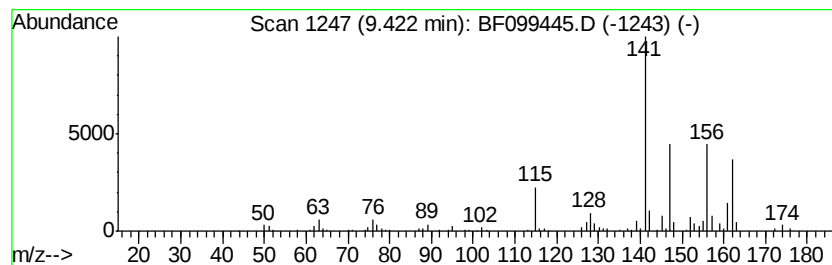
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Naphthalene, 2-ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.42	4.85 ng	186891	Acenaphthene-d10	9.89	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
3	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	58
4	3',4'-Difluoroacetophenone	156	C8H6F2O	000369-33-5	50
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	45



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101317\
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Acq On : 13 Oct 2017 17:52
Operator : SJ/JU
Sample : I5713-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-16

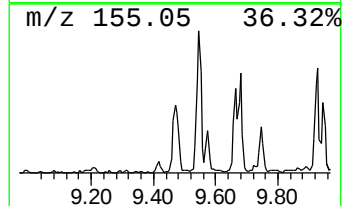
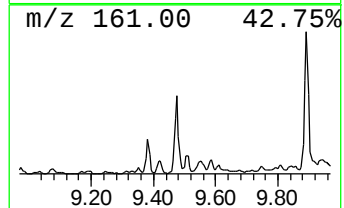
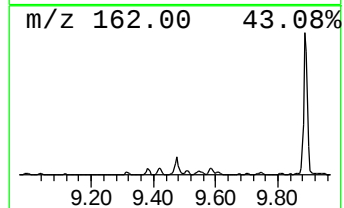
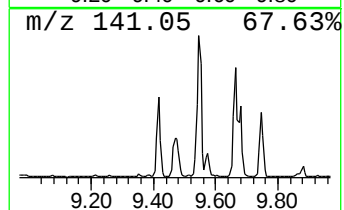
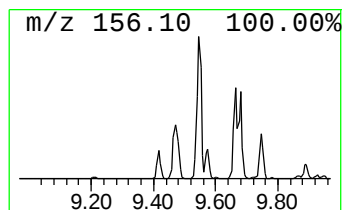
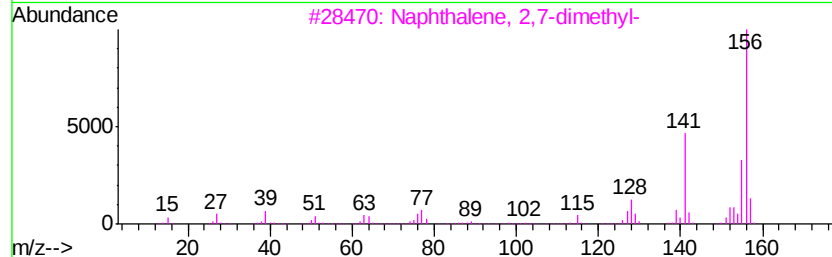
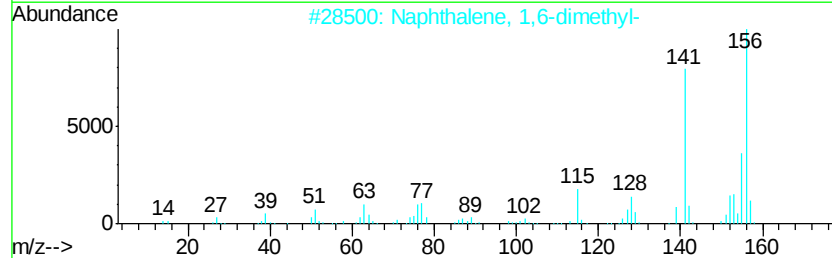
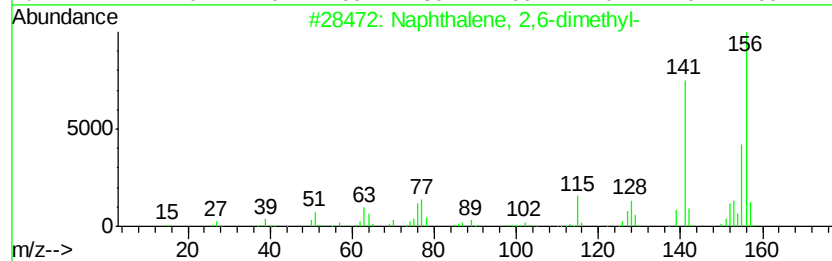
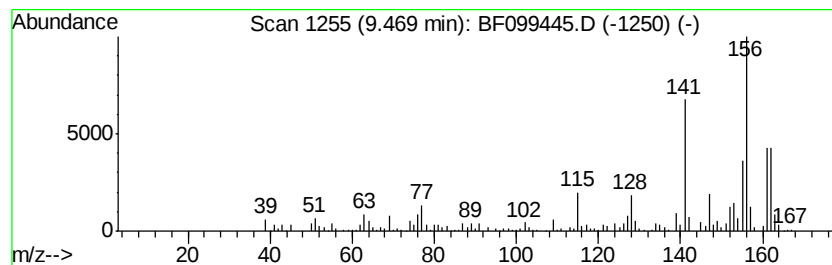
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Naphthalene, 2,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.47	11.96 ng	461316	Acenaphthene-d10	9.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
2		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
3		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	91
4		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	91
5		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101317\
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Operator : SJ/JU
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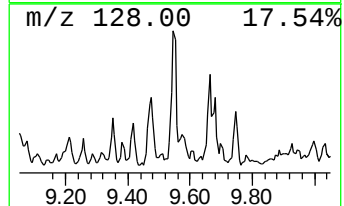
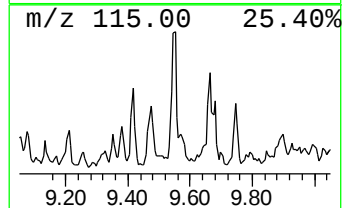
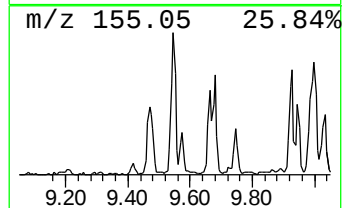
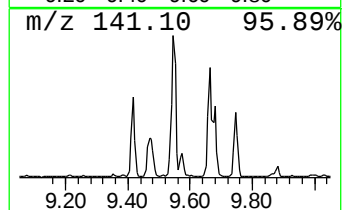
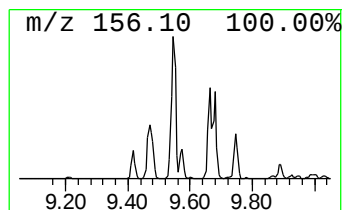
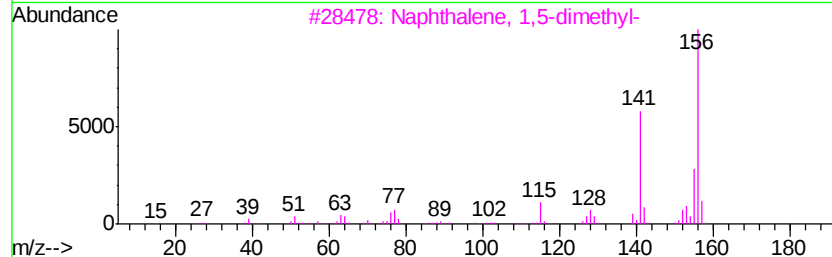
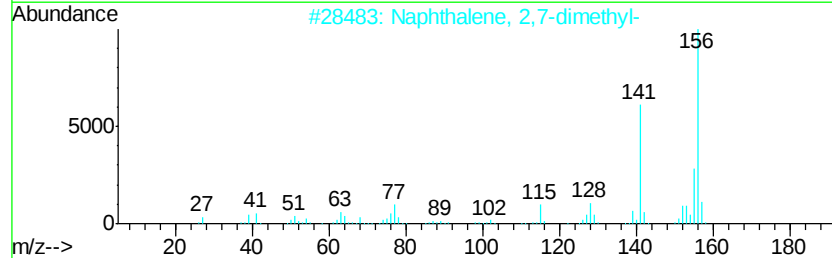
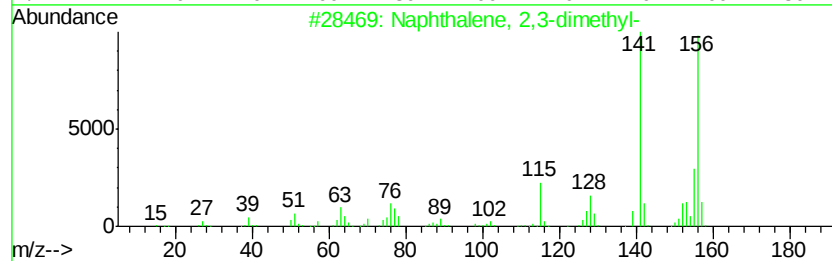
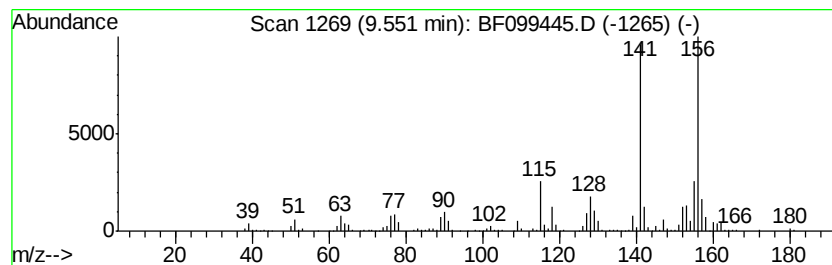
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Naphthalene, 2,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD		R.T.	
9.55	12.76 ng	492176	Acenaphthene-d10		9.89	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene,	2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene,	2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene,	1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene,	2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene,	1,4-dimethyl-	156	C12H12	000571-58-4	97



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101317\
Data File : BF099445.D
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Sample : I5713-09
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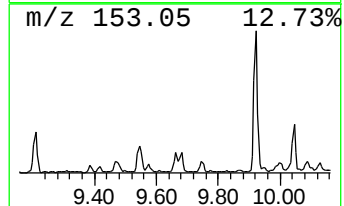
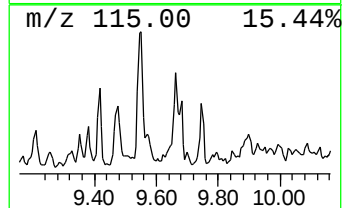
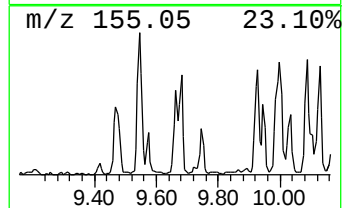
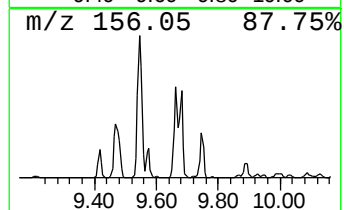
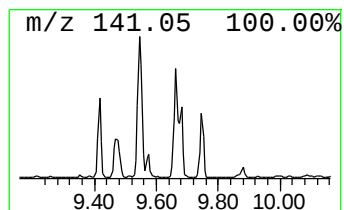
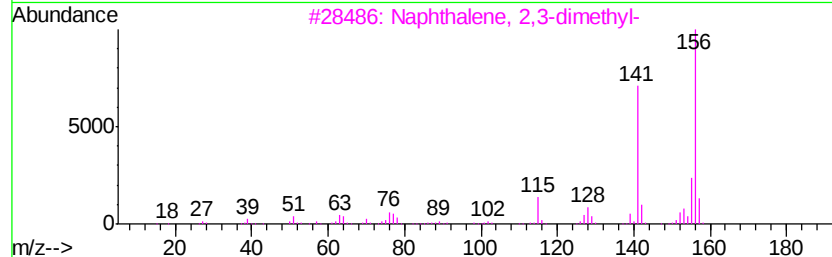
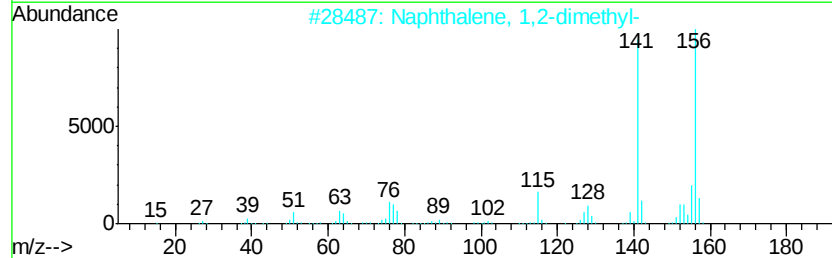
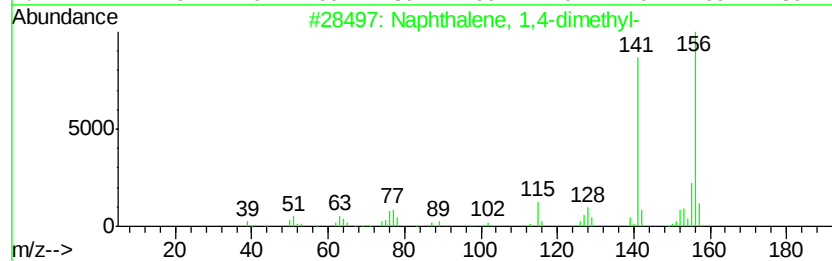
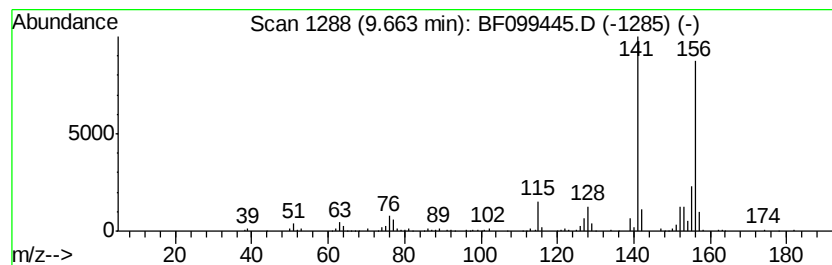
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Naphthalene, 1,4-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.
9.66	5.12 ng	197576	Acenaphthene-d10		9.89
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
2	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
4	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	94
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101317\
Data File : BF099445.D
Acq On : 13 Oct 2017 17:52
Operator : SJ/JU
Sample : I5713-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-16

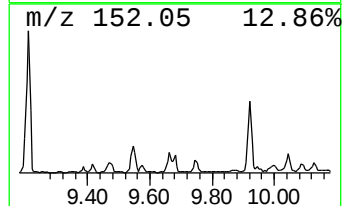
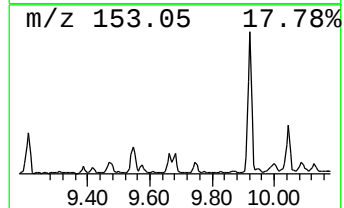
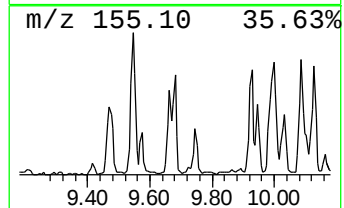
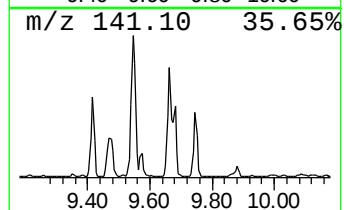
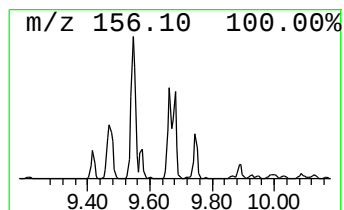
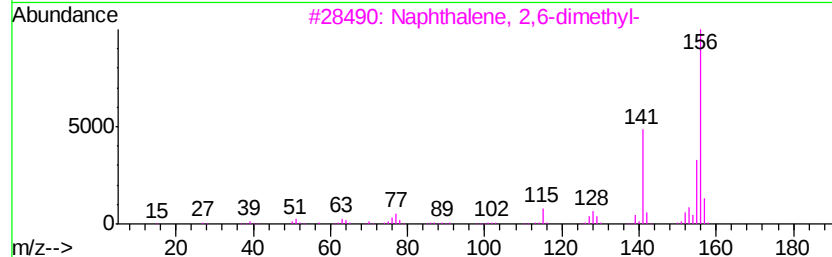
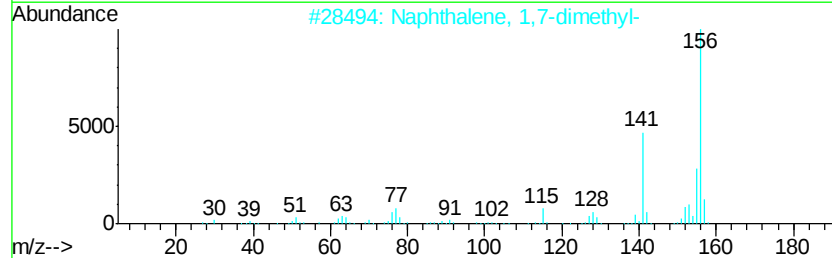
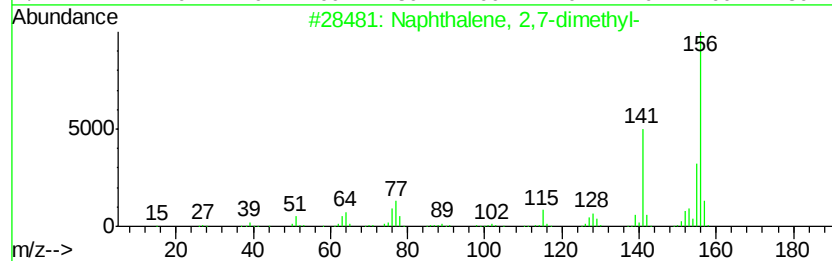
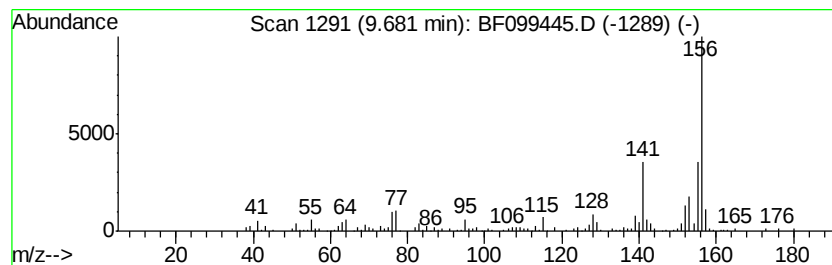
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Naphthalene, 2,7-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.68	4.58 ng	176420	Acenaphthene-d10	9.89

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94
2			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	93
3			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	90
4			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	87
5			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	83



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101317\
Data File : BF099445.D
Acq On : 13 Oct 2017 17:52
Operator : SJ/JU
Sample : I5713-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

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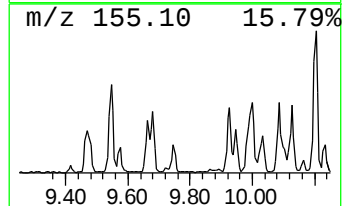
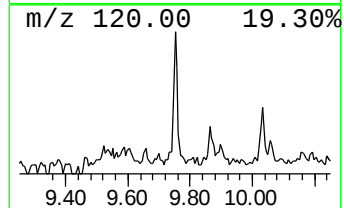
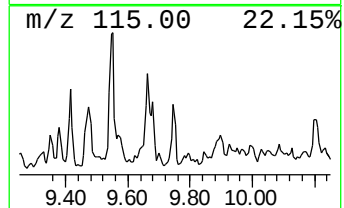
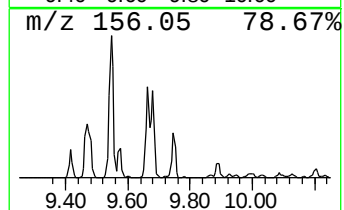
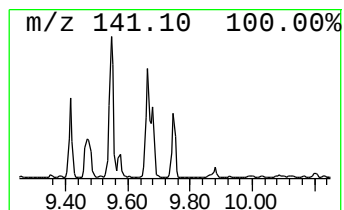
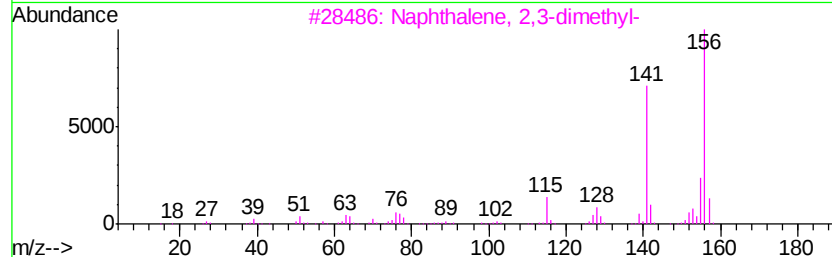
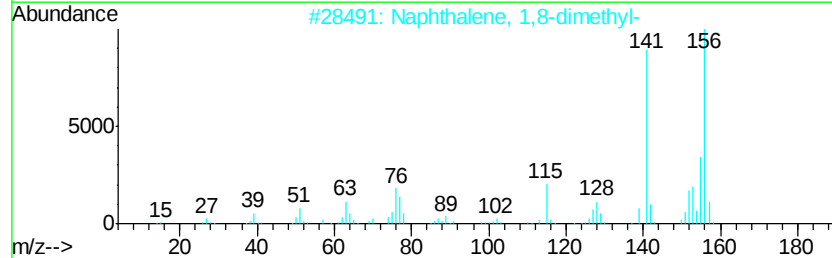
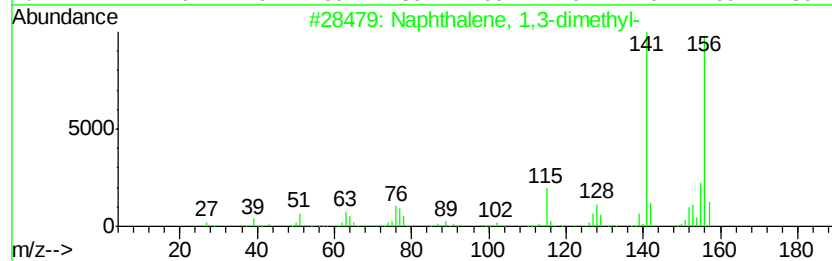
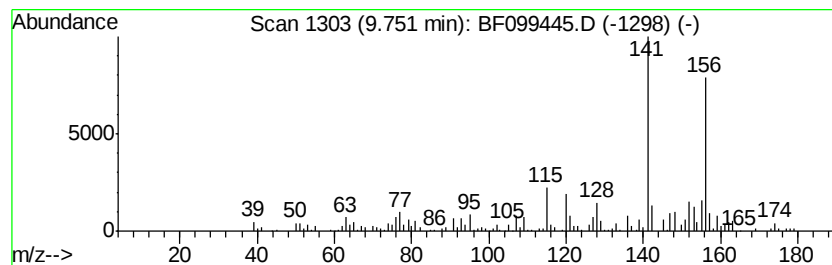
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Naphthalene, 1,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.75	5.21 ng	200883	Acenaphthene-d10	9.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2		Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	95
3		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
4		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
5		Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101317\
Data File : BF099445.D
Acq On : 13 Oct 2017 17:52
Operator : SJ/JU
Sample : I5713-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-16

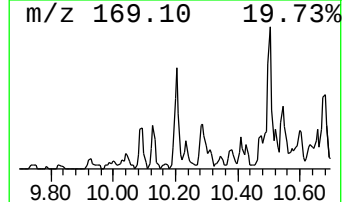
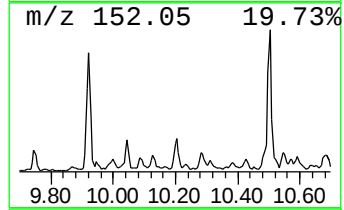
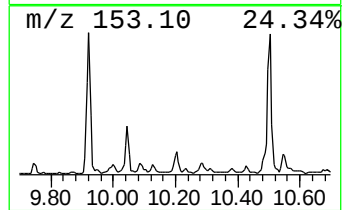
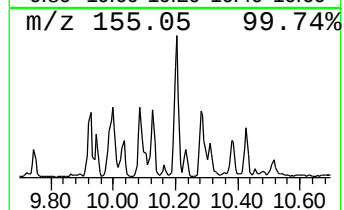
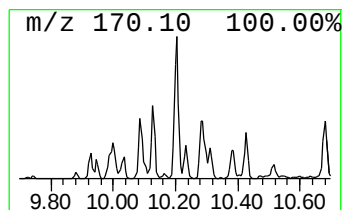
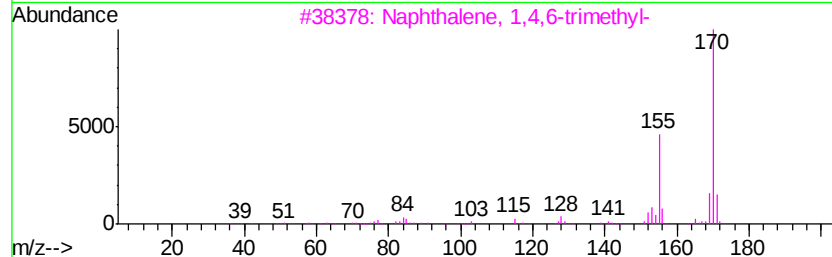
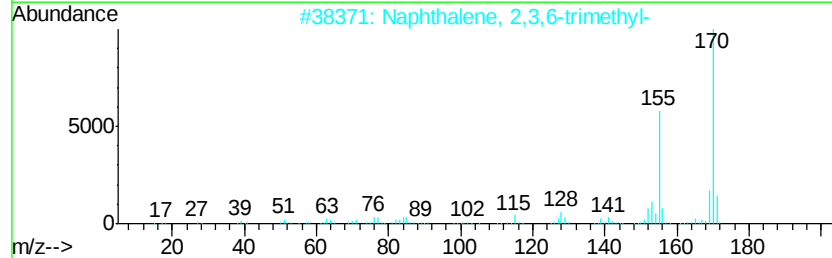
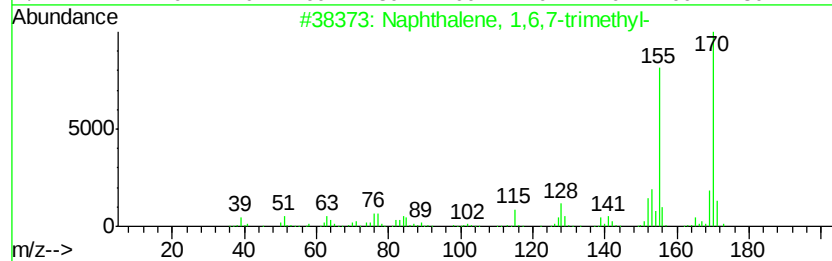
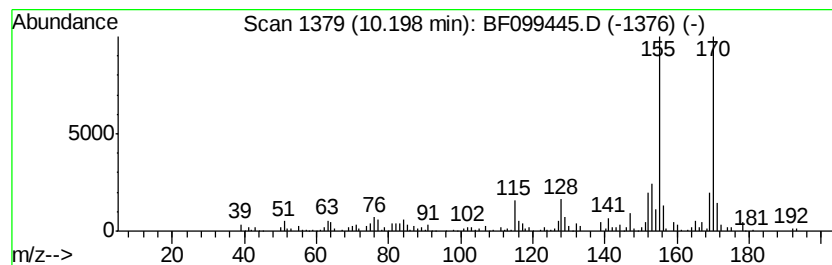
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Naphthalene, 1,6,7-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.20	7.94 ng	306176	Acenaphthene-d10	9.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4		4,6,8-Trimethylazulene	170	C13H14	000941-81-1	93
5		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101317\
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Operator : SJ/JU
Sample : I5713-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

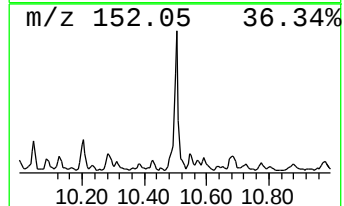
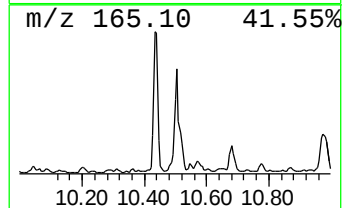
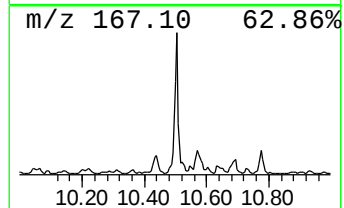
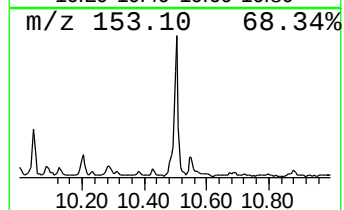
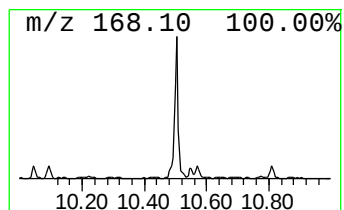
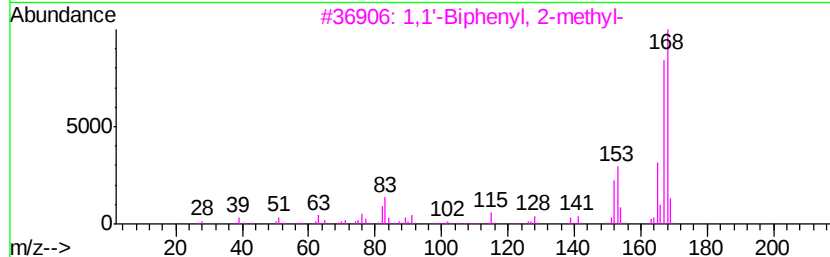
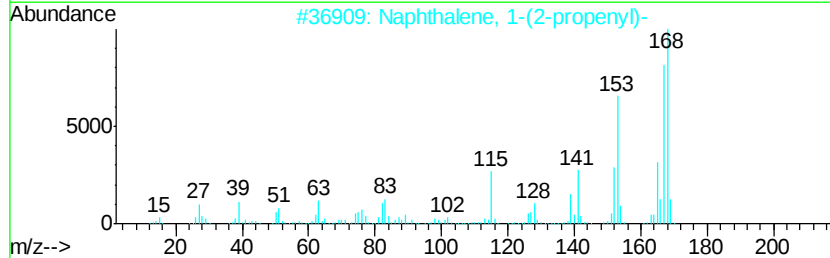
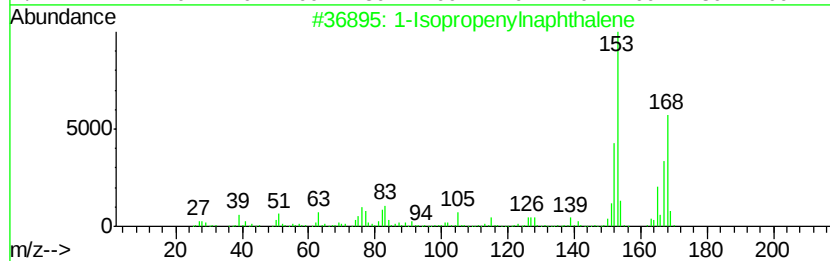
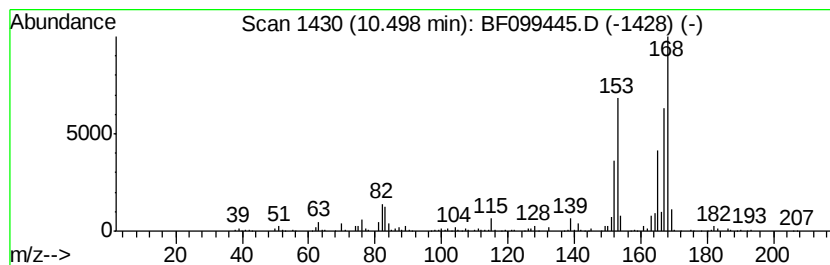
Instrument :
BNA_F
ClientSampleId :
MW-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 1-Isopropenylnaphthalene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	11.73 ng	452290	Acenaphthene-d10	9.89
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1-Isopropenylnaphthalene	168 C13H12	001855-47-6 81
2		Naphthalene, 1-(2-propenyl)-	168 C13H12	002489-86-3 74
3		1,1'-Biphenyl, 2-methyl-	168 C13H12	000643-58-3 70
4		1,1'-Biphenyl, 3-methyl-	168 C13H12	000643-93-6 60
5		1,1'-Biphenyl, 4-methyl-	168 C13H12	000644-08-6 58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101317\
Data File : BF099445.D
Acq On : 13 Oct 2017 17:52
Operator : SJ/JU
Sample : I5713-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-16

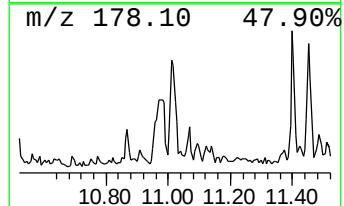
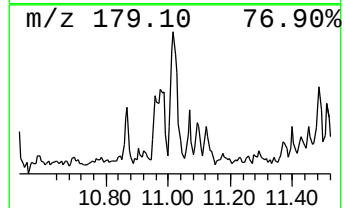
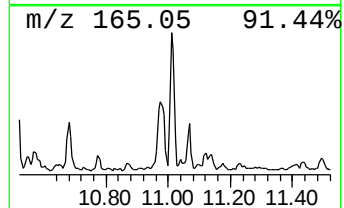
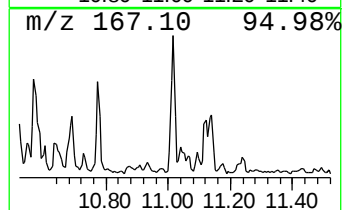
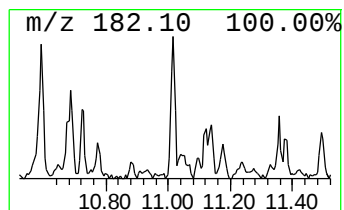
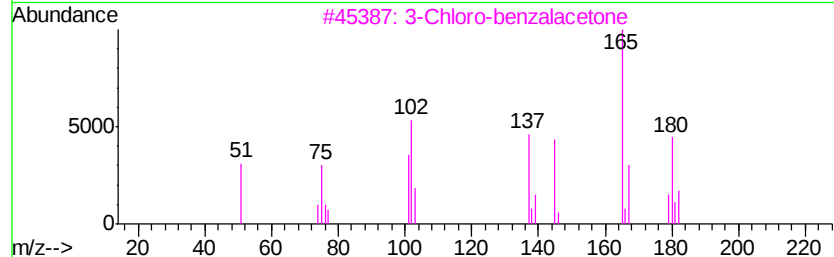
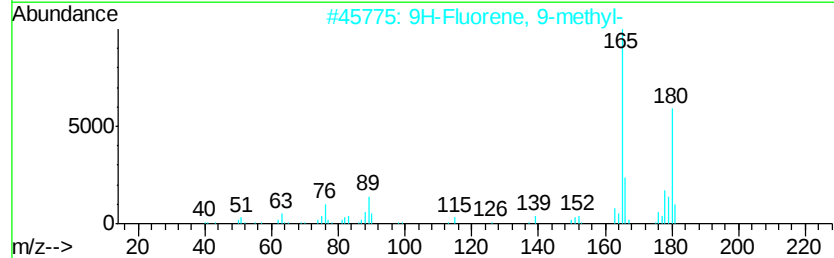
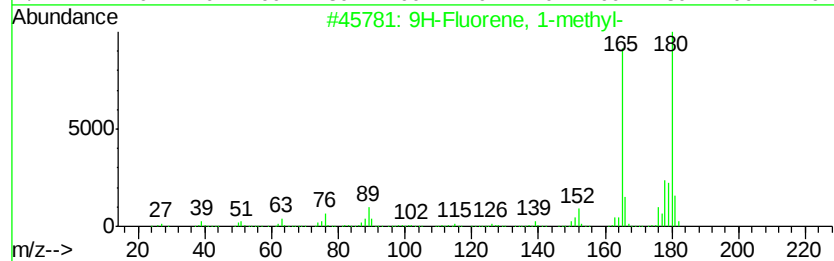
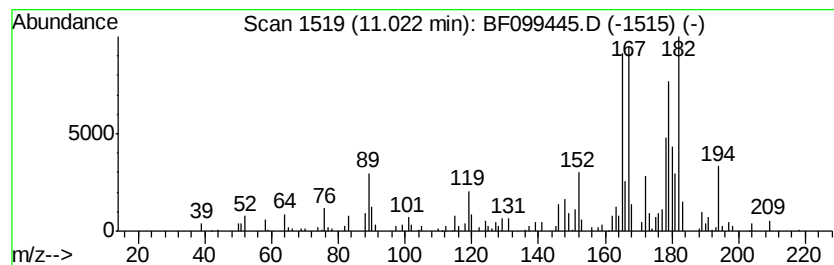
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 9H-Fluorene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.02	5.05 ng	133188	Phenanthrene-d10	11.37

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-		180	C14H12	001730-37-6	50
2	9H-Fluorene, 9-methyl-		180	C14H12	002523-37-7	49
3	3-Chloro-benzalacetone		180	C10H9ClO	1000146-90-5	49
4	Pentacyclo[6.4.0.1(1,8).1(2,7)]t...		180	C14H12	086120-84-5	46
5	9H-Fluorene, 2-methyl-		180	C14H12	001430-97-3	45



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101317\
 Data File : BF099445.D
 Acq On : 13 Oct 2017 17:52
 Operator : SJ/JU
 Sample : I5713-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-16

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-methoxy...	2.14	7.7	ng	224162	1	6.85	586419	20.0
2-Pentanone, 4-hy...	5.07	5.8	ng	170465	1	6.85	586419	20.0
unknown6.63	6.63	78.0	ng	2285710	1	6.85	586419	20.0
Benzene, cyclopro...	7.03	12.7	ng	372393	1	6.85	586419	20.0
o-Cymene	7.62	5.5	ng	286202	2	8.13	1042940	20.0
Benzene, 2-etheny...	7.87	13.5	ng	701964	2	8.13	1042940	20.0
1H-Indene, 2,3-di...	8.52	4.8	ng	253064	2	8.13	1042940	20.0
1H-Indene, 2,3-di...	8.72	4.1	ng	213882	2	8.13	1042940	20.0
Benzo[b]thiophene...	8.80	4.0	ng	210456	2	8.13	1042940	20.0
Naphthalene, 2-et...	9.42	4.8	ng	186891	3	9.89	771207	20.0
Naphthalene, 2,6-...	9.47	12.0	ng	461316	3	9.89	771207	20.0
Naphthalene, 2,3-...	9.55	12.8	ng	492176	3	9.89	771207	20.0
Naphthalene, 1,4-...	9.66	5.1	ng	197576	3	9.89	771207	20.0
Naphthalene, 2,7-...	9.68	4.6	ng	176420	3	9.89	771207	20.0
Naphthalene, 1,3-...	9.75	5.2	ng	200883	3	9.89	771207	20.0
Naphthalene, 1,6,...	10.20	7.9	ng	306176	3	9.89	771207	20.0
1-Isopropenylnaph...	10.50	11.7	ng	452290	3	9.89	771207	20.0
9H-Fluorene, 1-me...	11.02	5.0	ng	133188	4	11.37	527116	20.0