

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092215\
 Data File : BF081762.D
 Acq On : 23 Sep 2015 8:53
 Operator : UM/IZ
 Sample : G3747-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-1-1

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-BF090115.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	1.235	10	13	15	rBV	1040714	1176991	34.08%	1.952%
2	1.430	29	30	36	rBV	129445	351393	10.18%	0.583%
3	1.521	36	38	89	rVB	930605	3346237	96.90%	5.549%
4	4.424	287	292	312	rVB	232909	731426	21.18%	1.213%
5	5.304	366	369	388	rBV	627833	1260252	36.50%	2.090%
6	7.579	564	568	572	rBV	683070	1327364	38.44%	2.201%
7	7.659	572	575	582	rVV	797701	1432806	41.49%	2.376%
8	8.127	613	616	624	rVB	147687	287288	8.32%	0.476%
9	8.459	641	645	648	rBV	559669	969261	28.07%	1.607%
10	8.928	683	686	690	rBV3	69231	189962	5.50%	0.315%
11	9.076	695	699	704	rVB	110921	224708	6.51%	0.373%
12	9.179	704	708	713	rBV	101301	200162	5.80%	0.332%
13	9.442	726	731	734	rBV	503447	1010166	29.25%	1.675%
14	9.945	771	775	778	rVB2	145354	390124	11.30%	0.647%
15	10.116	787	790	793	rBV	100845	210410	6.09%	0.349%
16	10.276	799	804	806	rVB3	89518	211287	6.12%	0.350%
17	10.471	817	821	823	rBV4	70425	185039	5.36%	0.307%
18	10.551	825	828	832	rVB2	172374	443446	12.84%	0.735%
19	10.642	832	836	839	rBV3	204302	398223	11.53%	0.660%
20	10.722	839	843	848	rVB2	170135	348510	10.09%	0.578%
21	10.813	848	851	854	rBV	199443	430815	12.48%	0.714%
22	11.042	863	871	873	rBV	257451	783210	22.68%	1.299%
23	11.088	873	875	878	rVB3	122962	236862	6.86%	0.393%
24	11.225	884	887	891	rVB3	94384	248656	7.20%	0.412%
25	11.465	903	908	911	rVB	511211	1070578	31.00%	1.775%
26	11.522	911	913	916	rBV2	73847	179126	5.19%	0.297%
27	11.694	925	928	931	rVB	97611	177331	5.14%	0.294%
28	11.774	931	935	937	rBV3	96551	253869	7.35%	0.421%
29	11.888	941	945	949	rVV3	195876	540706	15.66%	0.897%
30	12.036	954	958	960	rVV3	235266	584652	16.93%	0.970%
31	12.139	964	967	972	rVV2	239381	594781	17.22%	0.986%
32	12.231	972	975	978	rVV4	162137	452923	13.12%	0.751%
33	12.334	978	984	987	rVV	668747	1694438	49.07%	2.810%
34	12.414	989	991	996	rVB4	175666	417341	12.09%	0.692%

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.574	1001	1005	1007	rBV3	109899	282076	8.17%	0.468%
36	12.631	1007	1010	1015	rVV4	136503	557332	16.14%	0.924%
37	12.711	1015	1017	1019	rVV3	81179	173537	5.03%	0.288%
38	12.757	1019	1021	1025	rVB3	124546	221132	6.40%	0.367%
39	12.848	1025	1029	1030	rBV3	71638	191350	5.54%	0.317%
40	12.882	1030	1032	1034	rVV	108475	188900	5.47%	0.313%
41	12.962	1036	1039	1042	rVV	340259	618347	17.91%	1.025%
42	13.065	1043	1048	1050	rVB3	176194	413630	11.98%	0.686%
43	13.111	1050	1052	1057	rVB3	73553	157032	4.55%	0.260%
44	13.202	1057	1060	1062	rBV2	117822	241860	7.00%	0.401%
45	13.374	1069	1075	1078	rBV2	357554	878437	25.44%	1.457%
46	13.465	1081	1083	1086	rVV	120318	224474	6.50%	0.372%
47	13.534	1087	1089	1091	rVV	119970	194184	5.62%	0.322%
48	13.614	1091	1096	1099	rVV5	119698	432769	12.53%	0.718%
49	13.694	1099	1103	1106	rVV	731129	1435274	41.56%	2.380%
50	13.774	1106	1110	1118	rVB	832160	2000021	57.92%	3.317%
51	13.911	1118	1122	1124	rBV3	117228	295013	8.54%	0.489%
52	14.025	1127	1132	1137	rBV6	130490	681073	19.72%	1.129%
53	14.117	1138	1140	1144	rVB3	173241	333941	9.67%	0.554%
54	14.277	1149	1154	1157	rVB2	370011	1204386	34.88%	1.997%
55	14.425	1160	1167	1170	rBV	440050	1233259	35.71%	2.045%
56	14.494	1170	1173	1177	rVB2	440544	985615	28.54%	1.635%
57	14.688	1187	1190	1192	rVV	187940	473129	13.70%	0.785%
58	14.757	1193	1196	1200	rVB2	389534	873987	25.31%	1.449%
59	14.882	1200	1207	1209	rBV	947060	2146634	62.16%	3.560%
60	14.985	1213	1216	1220	rBV4	272465	489204	14.17%	0.811%
61	15.180	1230	1233	1235	rVB	196501	320071	9.27%	0.531%
62	15.260	1235	1240	1242	rBV4	127399	381873	11.06%	0.633%
63	15.317	1242	1245	1247	rVV2	188509	415100	12.02%	0.688%
64	15.374	1247	1250	1255	rVV6	141740	474619	13.74%	0.787%
65	15.511	1259	1262	1267	rVV2	280546	895570	25.93%	1.485%
66	15.614	1269	1271	1274	rVB2	121580	208437	6.04%	0.346%
67	15.717	1274	1280	1281	rBV3	135477	399432	11.57%	0.662%
68	15.751	1281	1283	1285	rVV	279927	473575	13.71%	0.785%
69	15.843	1288	1291	1294	rVB	328867	562840	16.30%	0.933%
70	16.003	1302	1305	1308	rBV2	346404	681279	19.73%	1.130%
71	16.083	1309	1312	1315	rVB2	226369	442476	12.81%	0.734%

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72	16.140	1315	1317	1320	rVB2	189778	336203	9.74%	0.558%
73	16.220	1320	1324	1325	rBV	114688	260822	7.55%	0.433%
74	16.254	1325	1327	1333	rVB4	180549	386527	11.19%	0.641%
75	16.425	1339	1342	1343	rBV	104283	239871	6.95%	0.398%
76	16.654	1357	1362	1368	rBV5	207124	852214	24.68%	1.413%
77	17.111	1396	1402	1406	rBV2	728769	2443473	70.76%	4.052%
78	17.271	1414	1416	1422	rVB3	141177	388173	11.24%	0.644%
79	17.397	1422	1427	1429	rBV6	52531	174129	5.04%	0.289%
80	17.763	1453	1459	1467	rBV	1093139	3453159	100.00%	5.727%
81	17.877	1467	1469	1472	rVB2	113203	193376	5.60%	0.321%
82	18.083	1483	1487	1490	rVB4	87064	210323	6.09%	0.349%
83	18.163	1490	1494	1499	rBV3	108693	391313	11.33%	0.649%
84	18.254	1500	1502	1505	rBV	75331	153487	4.44%	0.255%
85	18.426	1514	1517	1520	rBV3	155151	297415	8.61%	0.493%
86	18.689	1537	1540	1542	rVV	207739	384654	11.14%	0.638%
87	18.734	1542	1544	1550	rVB	148134	298988	8.66%	0.496%
88	18.871	1551	1556	1565	rVB	650755	1606219	46.51%	2.664%
89	19.489	1607	1610	1614	rBV3	57465	164593	4.77%	0.273%
90	19.717	1625	1630	1633	rBV2	175006	419348	12.14%	0.695%
91	19.912	1643	1647	1650	rBV4	118518	282922	8.19%	0.469%
92	19.980	1650	1653	1656	rVB	92223	182188	5.28%	0.302%
93	20.449	1691	1694	1698	rBV2	86338	238894	6.92%	0.396%
94	21.134	1752	1754	1756	rBV	107746	167527	4.85%	0.278%
95	21.306	1765	1769	1771	rBV2	76846	176485	5.11%	0.293%
96	21.523	1786	1788	1790	rBV2	124666	165904	4.80%	0.275%
97	22.049	1831	1834	1837	rBV	797023	1186629	34.36%	1.968%
98	23.295	1940	1943	1944	rBV	128888	162019	4.69%	0.269%
99	23.329	1944	1946	1948	rVB	288862	300254	8.70%	0.498%
100	24.769	2070	2072	2076	rVB	223140	239883	6.95%	0.398%

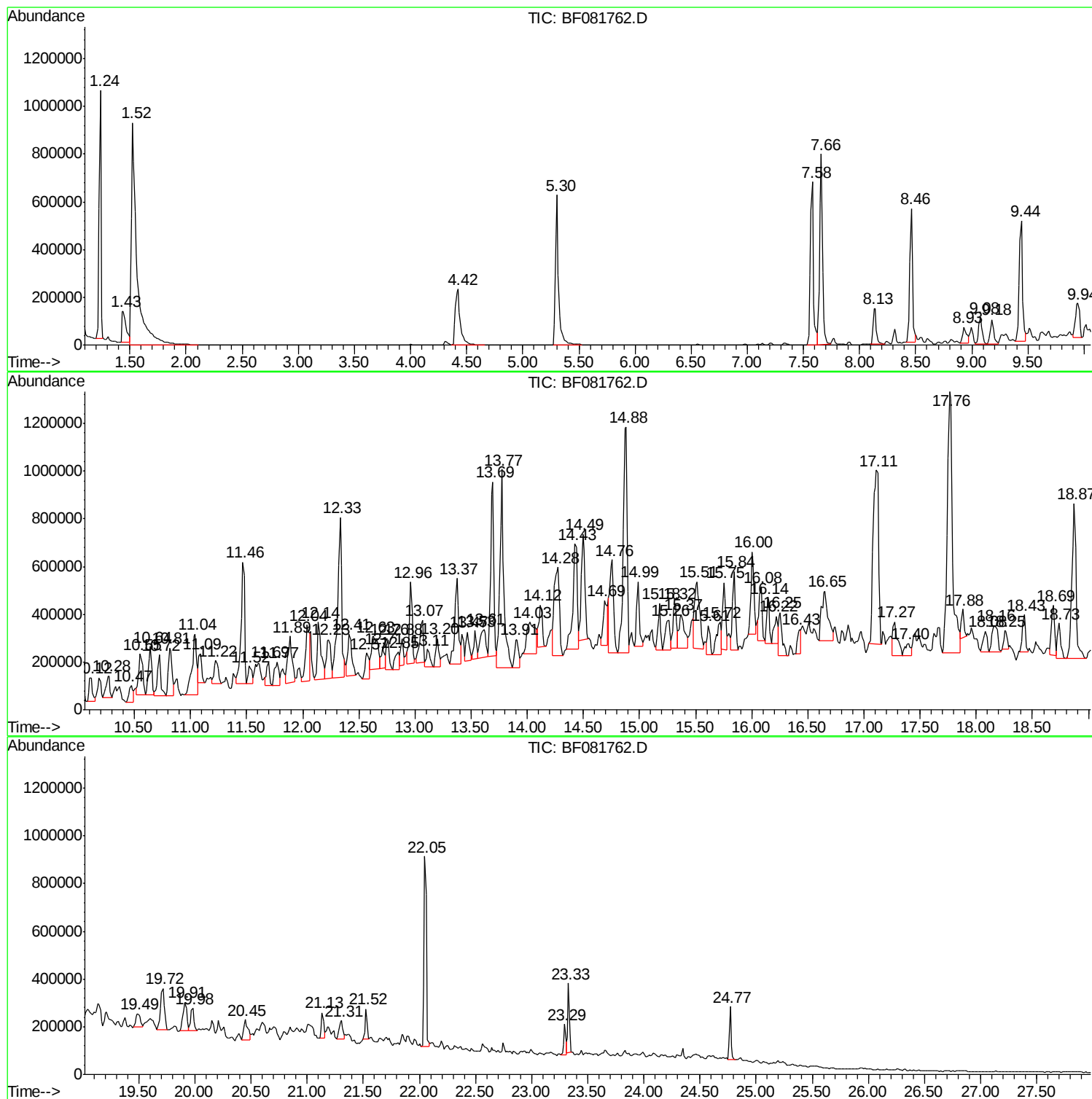
Sum of corrected areas: 60299203

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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
TRENCH-1-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.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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Instrument :
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TRENCH-1-1

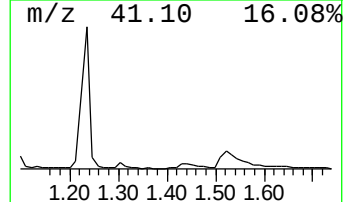
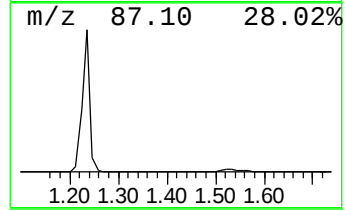
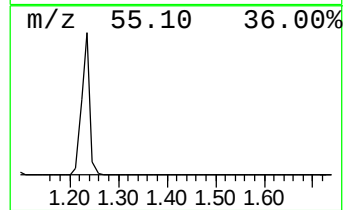
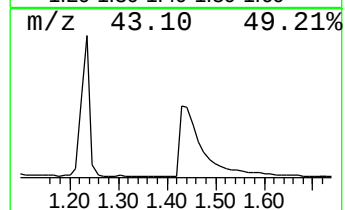
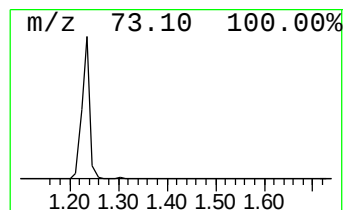
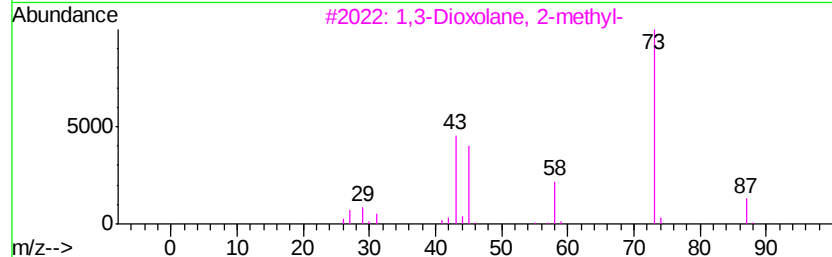
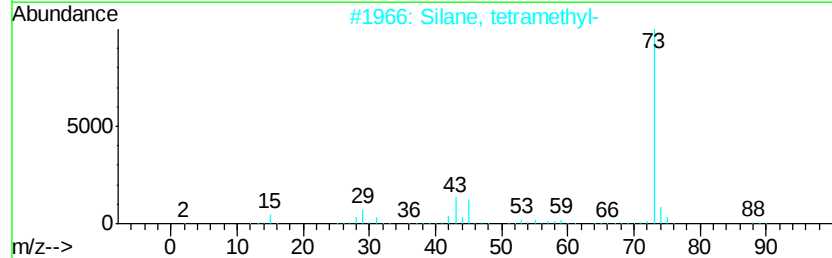
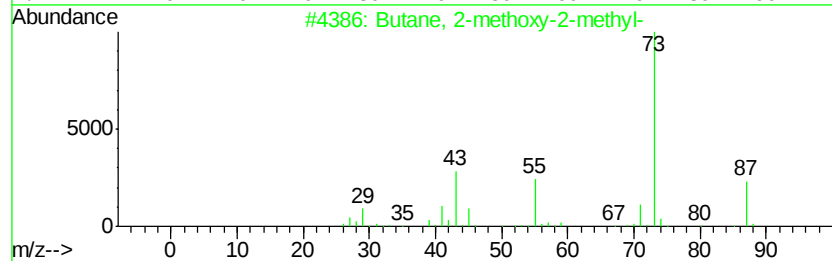
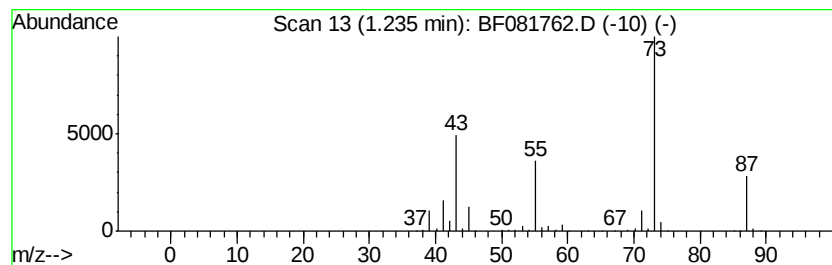
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.24	81.94 ng	1176990	1,4-Dichlorobenzene-d4	8.14

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2			Silane, tetramethyl-	88	C4H12Si	000075-76-3	38
3			1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
4			Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
5			Pentane, 3-methoxy-	102	C6H14O	036839-67-5	9



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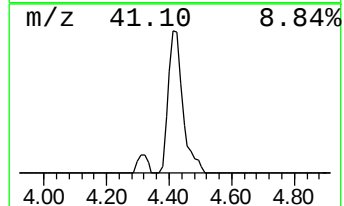
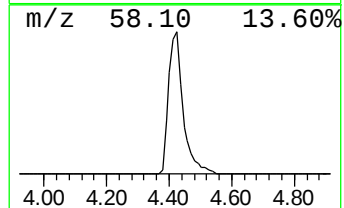
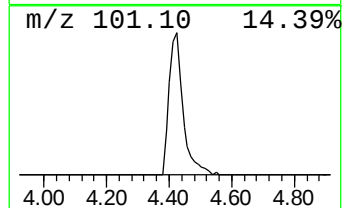
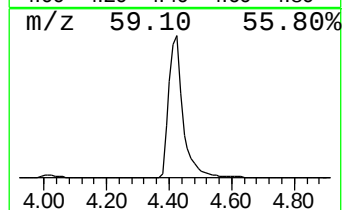
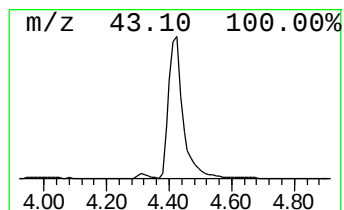
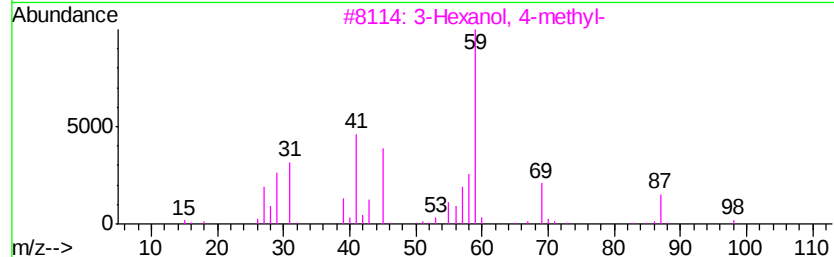
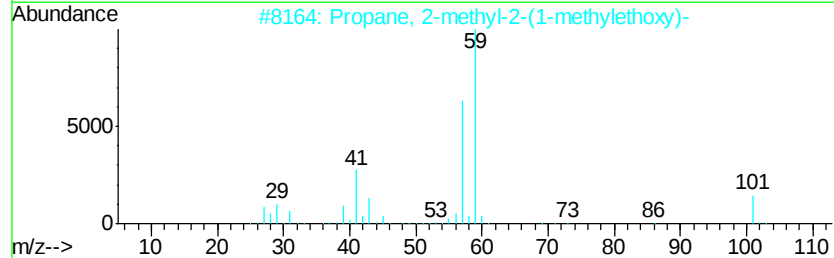
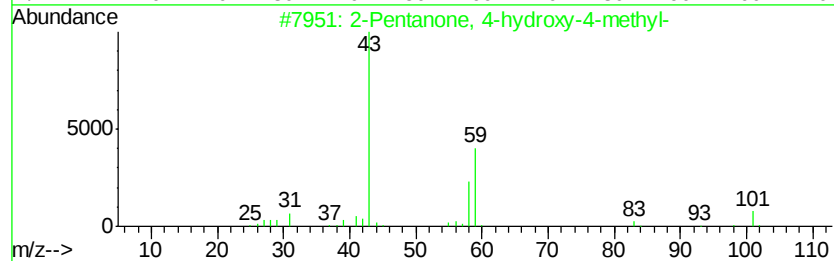
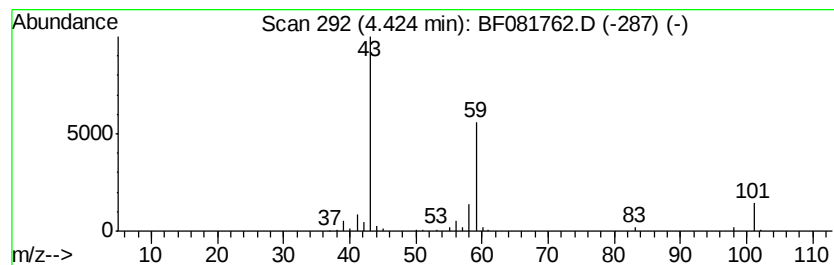
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.42	50.92 ng	731426	1,4-Dichlorobenzene-d4	8.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2		Propane, 2-methyl-2-(1-methylethoxy)-	116	C7H16O	017348-59-3	36
3		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4		2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
5		Acetic acid, cyano-, 1,1-dimethyl-	141	C7H11NO2	001116-98-9	25



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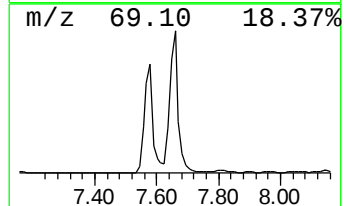
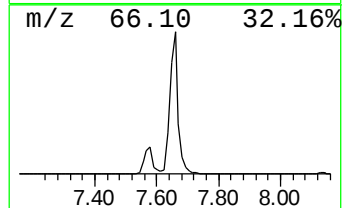
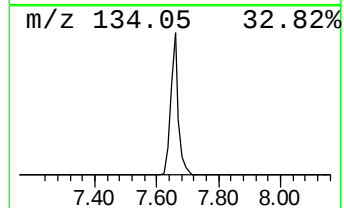
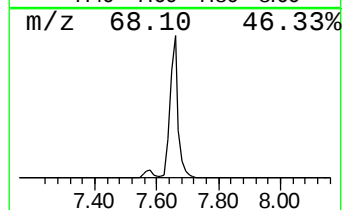
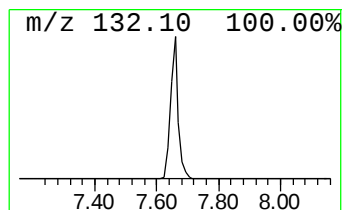
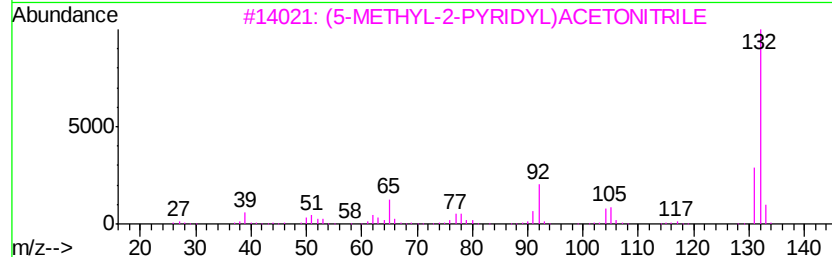
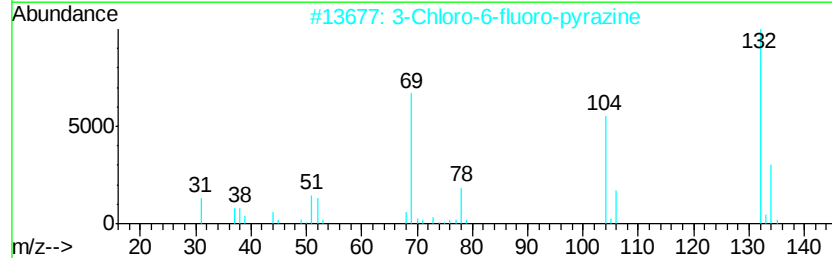
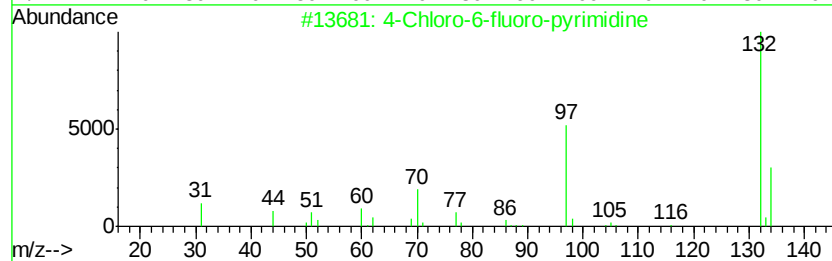
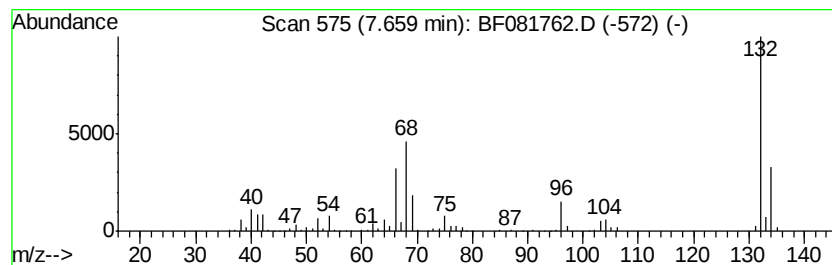
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TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown7.66 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.66	99.75 ng	1432810	1,4-Dichlorobenzene-d4	8.14

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3		(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10
4		Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
5		1,2,3-Trifluorobenzene	132	C6H3F3	001489-53-8	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092215\
Data File : BF081762.D
Acq On : 23 Sep 2015 8:53
Operator : UM/IZ
Sample : G3747-01
Misc :
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ClientSampleId :
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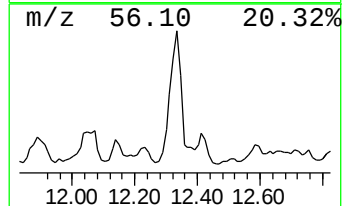
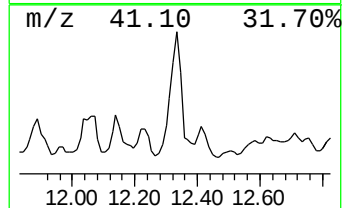
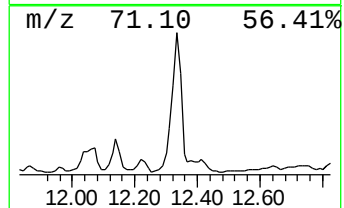
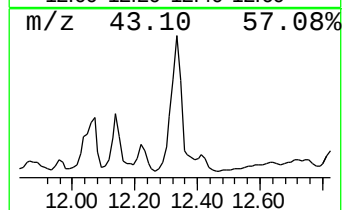
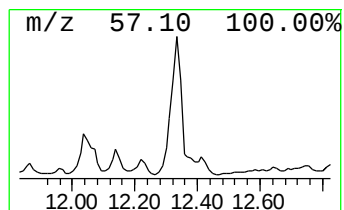
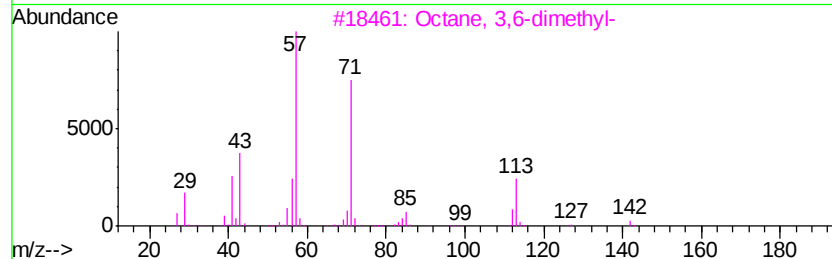
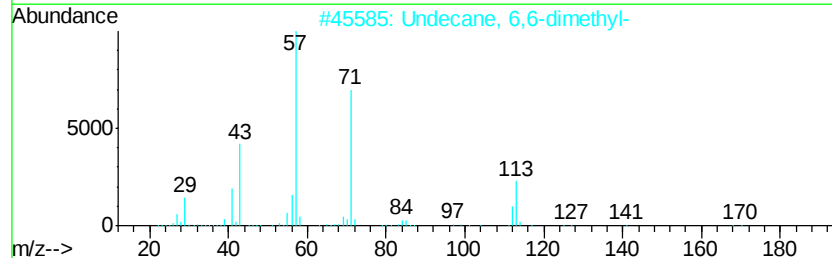
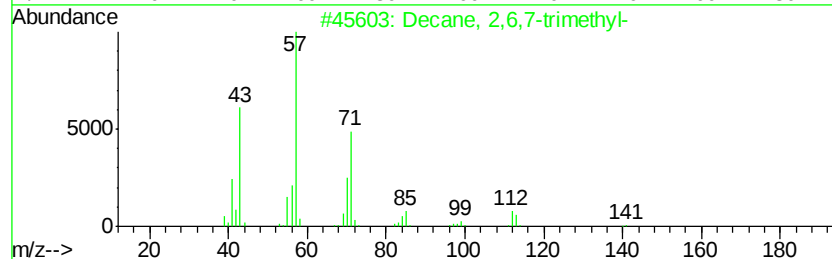
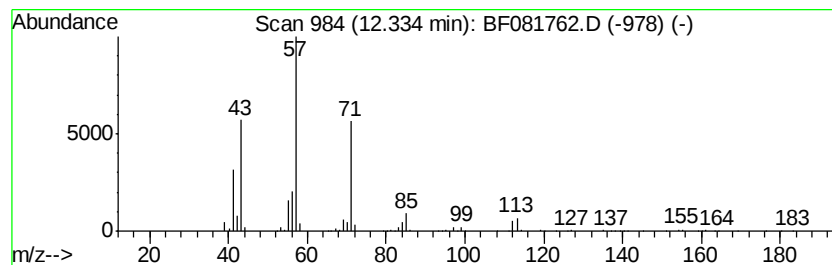
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Decane, 2,6,7-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	43.27 ng	1694440	Napthalene-d8	11.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	83
2		Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	72
3		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	72
4		Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	64
5		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092215\
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Acq On : 23 Sep 2015 8:53
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ClientSampleId :
TRENCH-1-1

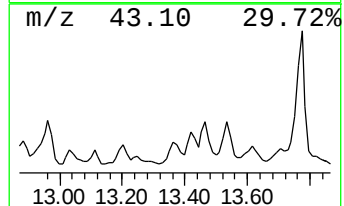
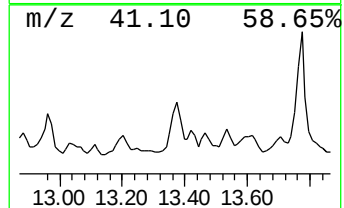
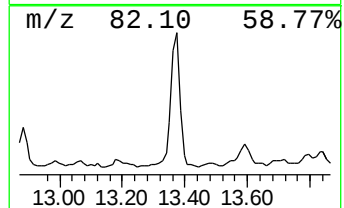
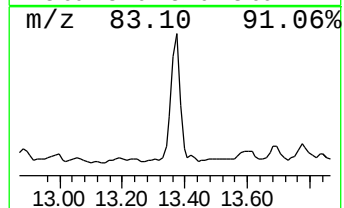
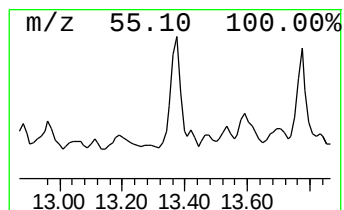
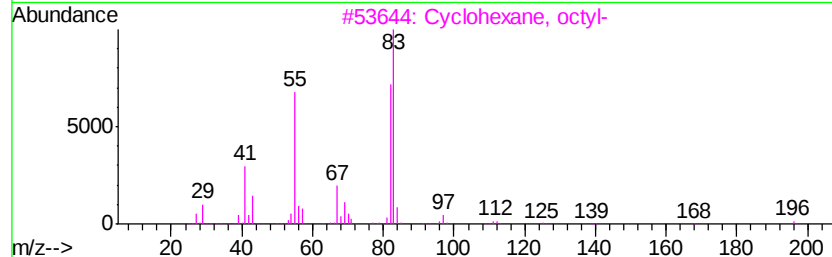
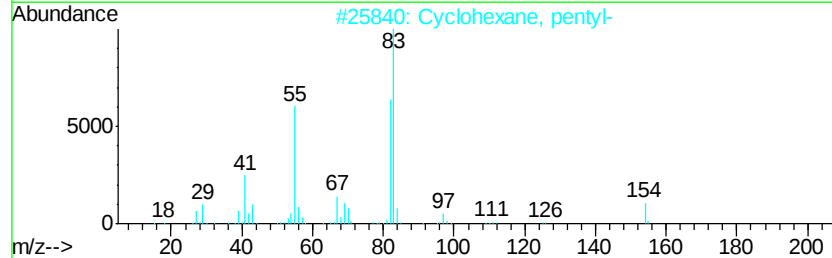
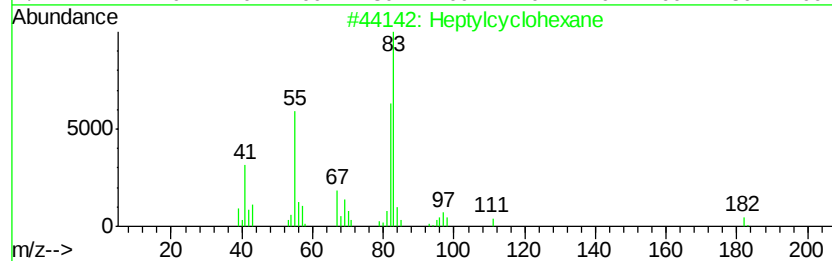
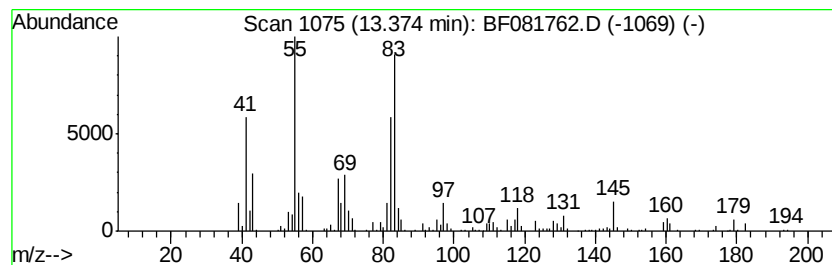
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Heptylcyclohexane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	54.89 ng	878437	Acenaphthene-d10	15.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptylcyclohexane	182	C13H26	005617-41-4	87
2		Cyclohexane, pentyl-	154	C11H22	004292-92-6	83
3		Cyclohexane, octyl-	196	C14H28	001795-15-9	64
4		Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	64
5		Cyclohexane, propyl-	126	C9H18	001678-92-8	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092215\
Data File : BF081762.D
Acq On : 23 Sep 2015 8:53
Operator : UM/IZ
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Misc :
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ClientSampleId :
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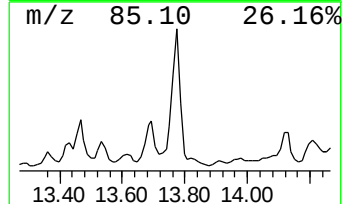
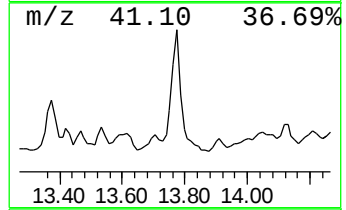
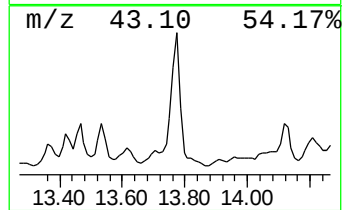
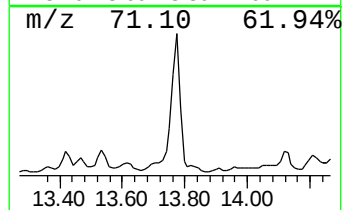
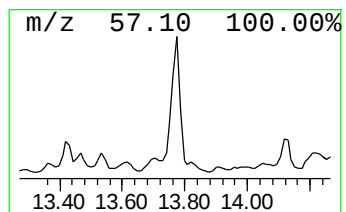
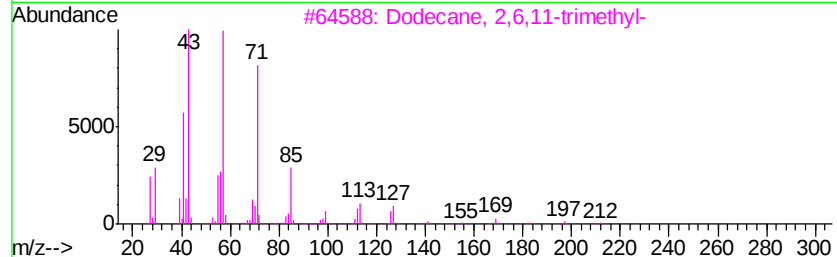
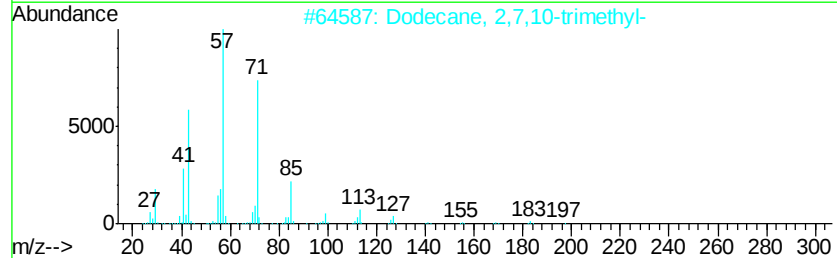
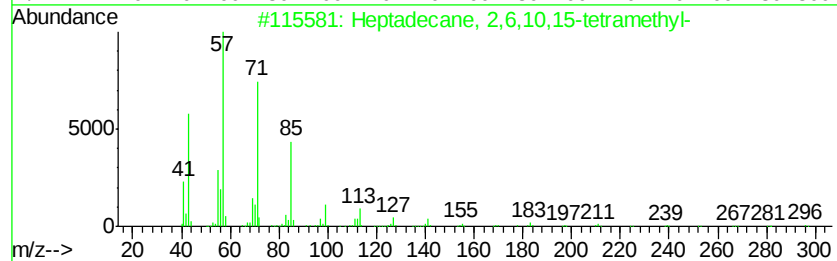
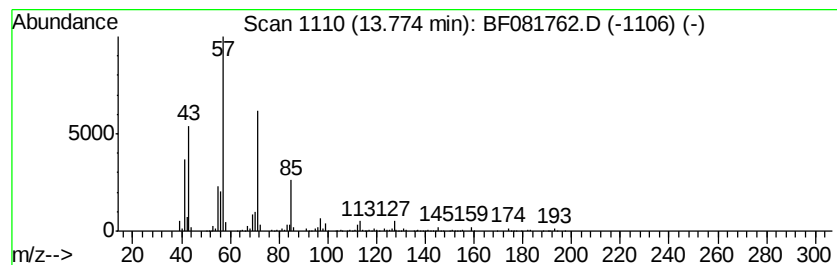
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Heptadecane, 2,6,10,15-tetr... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	124.97 ng	2000020	Acenaphthene-d10	15.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	83
2		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
3		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	64
4		Hexadecane	226	C16H34	000544-76-3	64
5		Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092215\
Data File : BF081762.D
Acq On : 23 Sep 2015 8:53
Operator : UM/IZ
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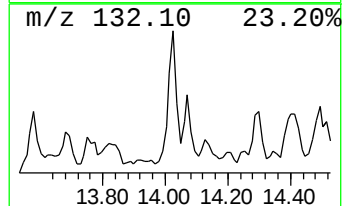
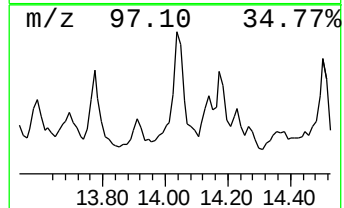
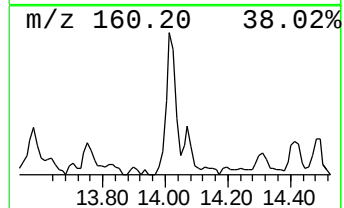
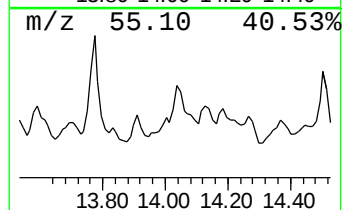
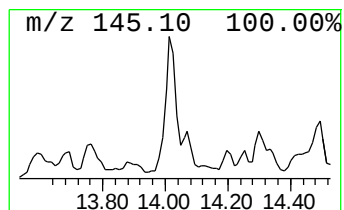
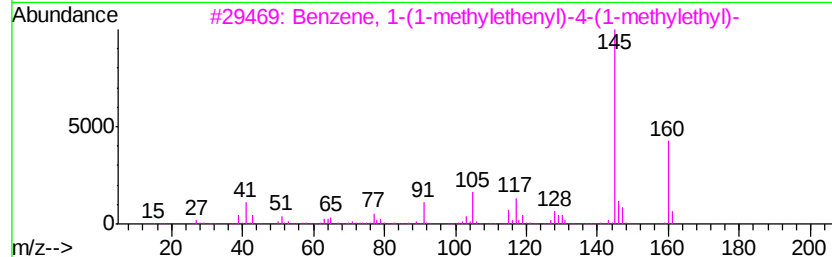
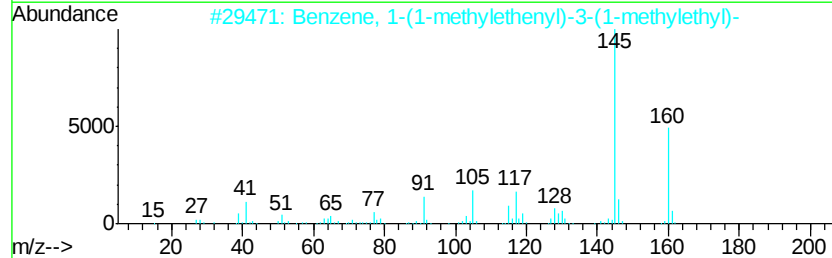
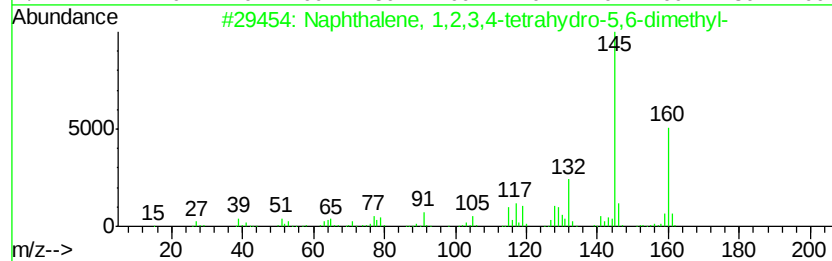
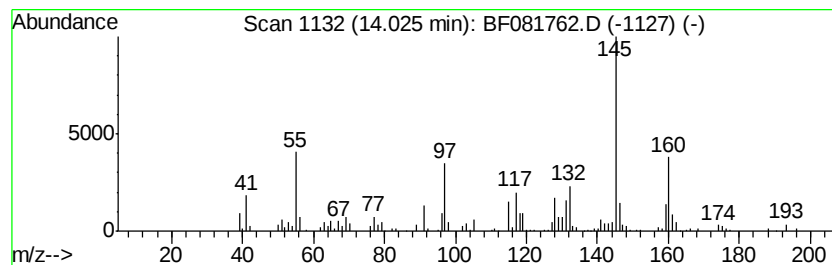
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 1,2,3,4-tetra... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.03	42.56 ng	681073	Acenaphthene-d10	15.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	76
2		Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	70
3		Benzene, 1-(1-methylethenyl)-4-(...	160	C12H16	002388-14-9	70
4		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	64
5		Benzene, 1-(1,1-dimethylethyl)-4...	160	C12H16	001746-23-2	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092215\
Data File : BF081762.D
Acq On : 23 Sep 2015 8:53
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Misc :
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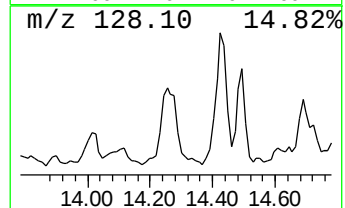
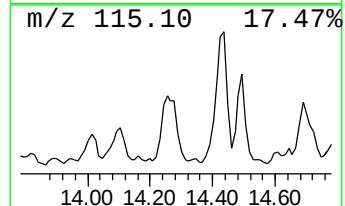
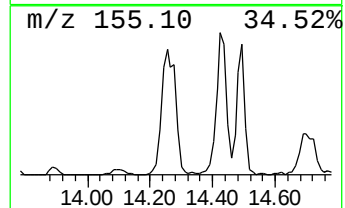
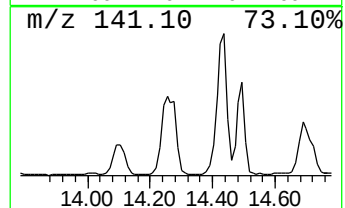
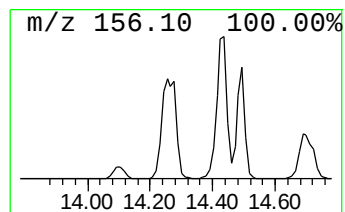
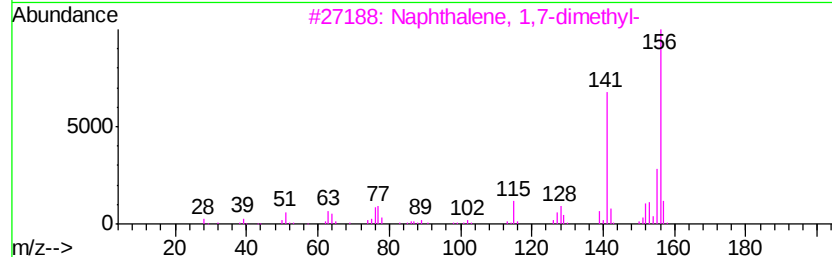
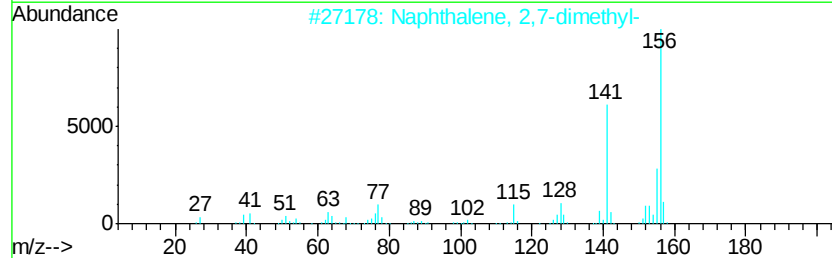
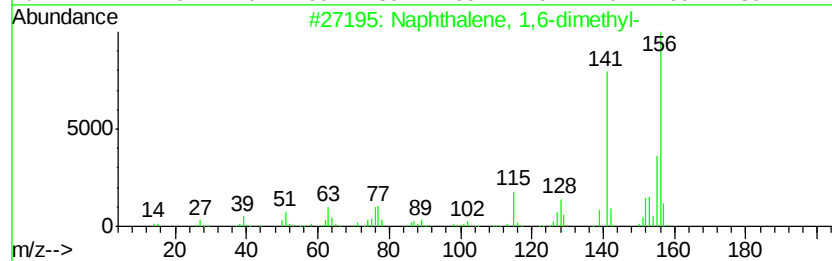
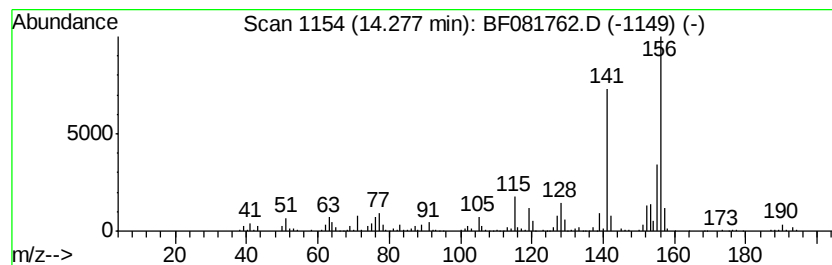
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 1,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	75.26 ng	1204390	Acenaphthene-d10	15.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092215\
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Acq On : 23 Sep 2015 8:53
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ClientSampleId :
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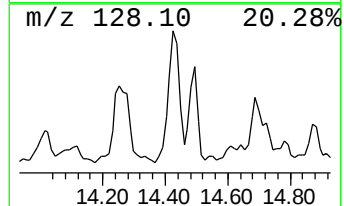
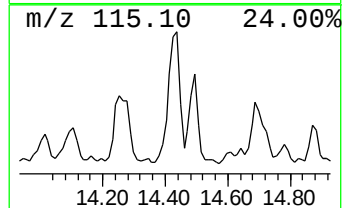
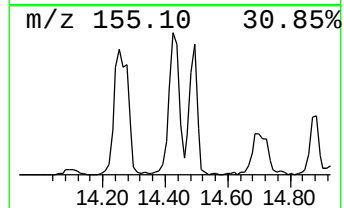
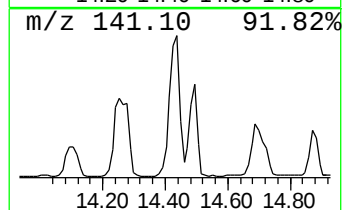
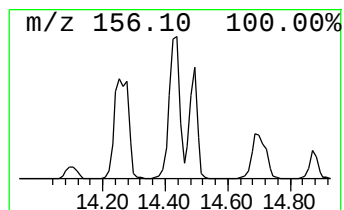
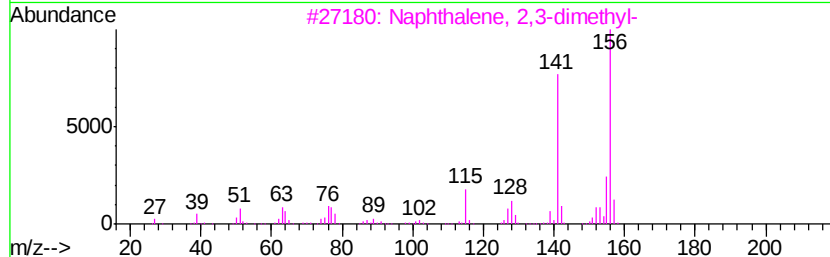
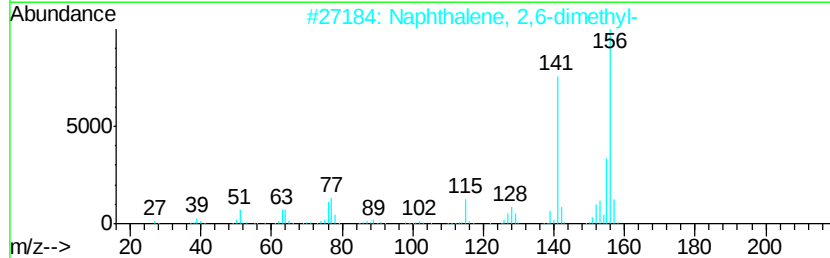
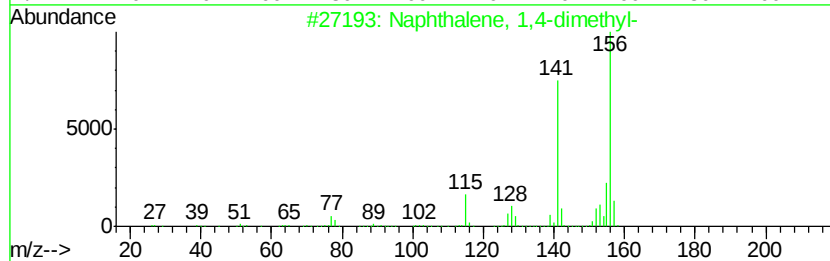
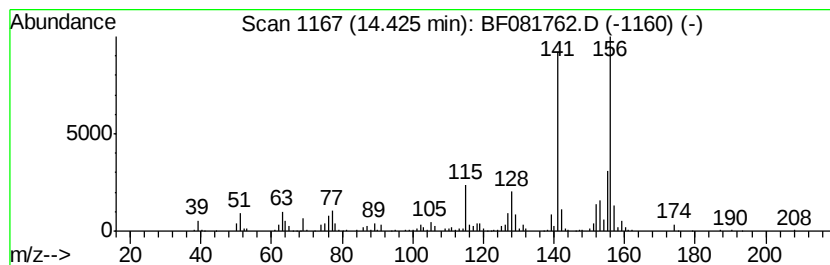
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 1,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	77.06 ng	1233260	Acenaphthene-d10	15.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
2		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092215\
Data File : BF081762.D
Acq On : 23 Sep 2015 8:53
Operator : UM/IZ
Sample : G3747-01
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ALS Vial : 20 Sample Multiplier: 1

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ClientSampleId :
TRENCH-1-1

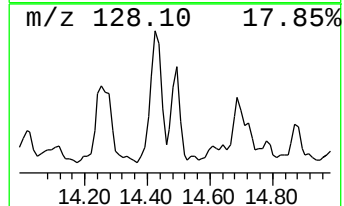
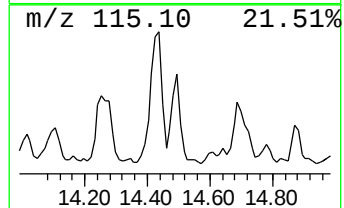
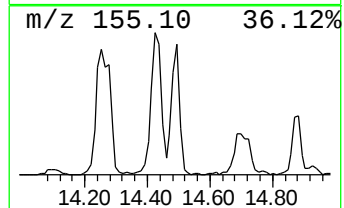
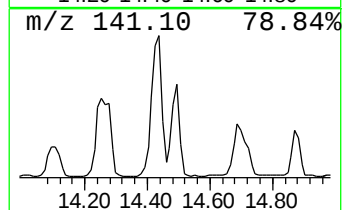
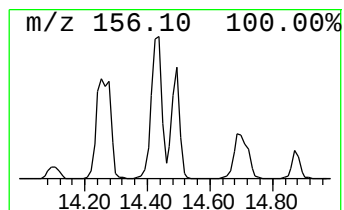
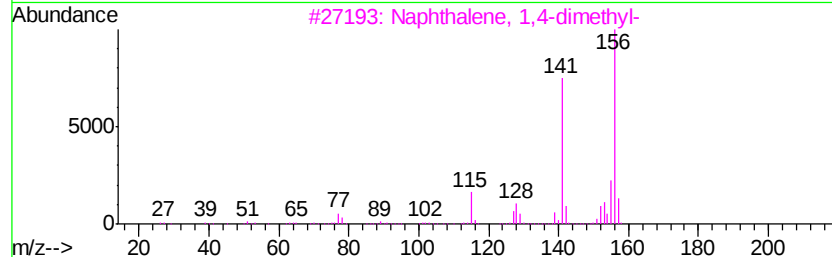
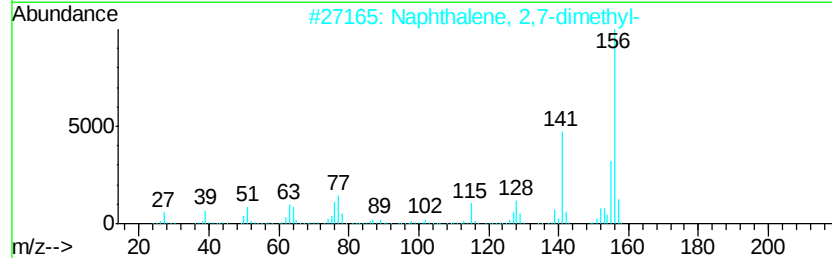
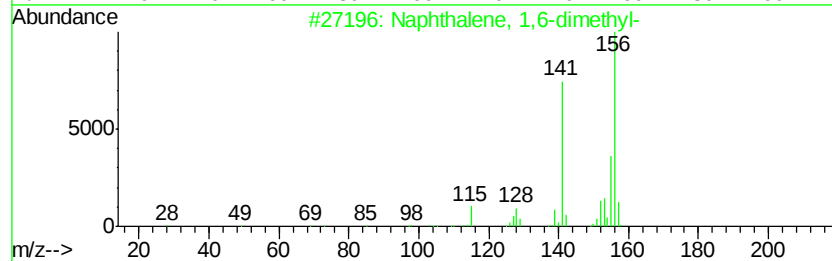
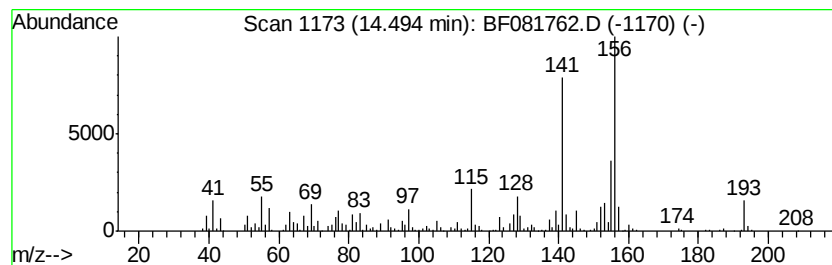
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 2,7-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	61.59 ng	985615	Acenaphthene-d10	15.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
3		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
4		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
5		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092215\
Data File : BF081762.D
Acq On : 23 Sep 2015 8:53
Operator : UM/IZ
Sample : G3747-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TRENCH-1-1

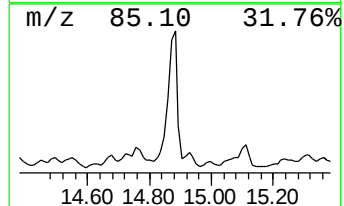
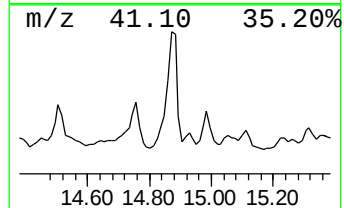
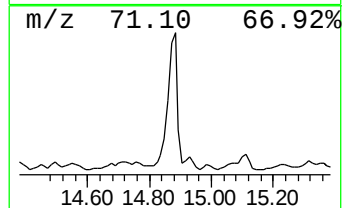
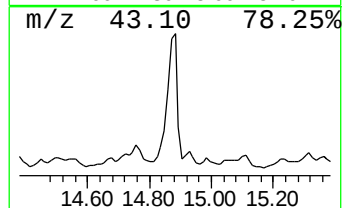
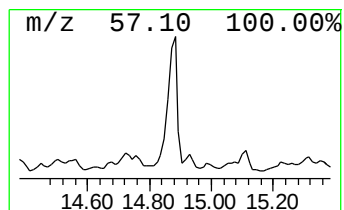
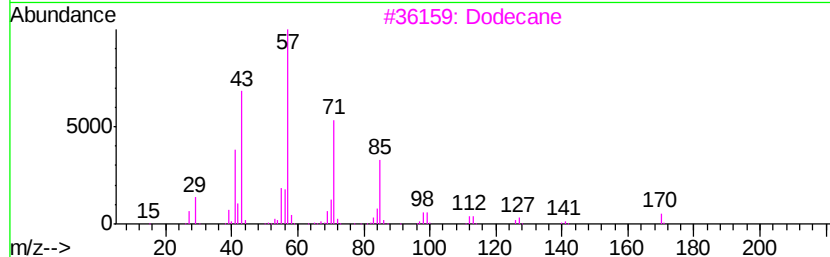
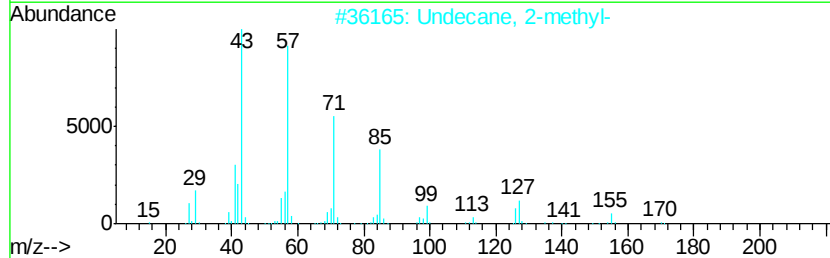
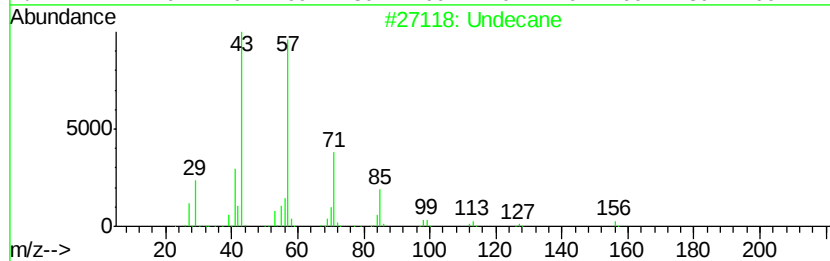
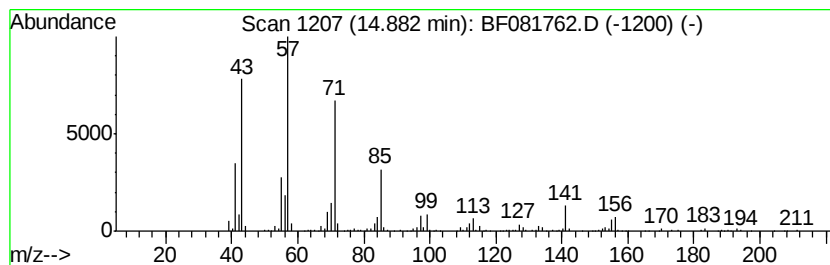
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Undecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	134.14 ng	2146630	Acenaphthene-d10	15.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane	156	C11H24	001120-21-4	83
2		Undecane, 2-methyl-	170	C12H26	007045-71-8	74
3		Dodecane	170	C12H26	000112-40-3	74
4		Eicosane	282	C20H42	000112-95-8	72
5		Tetradecane	198	C14H30	000629-59-4	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092215\
Data File : BF081762.D
Acq On : 23 Sep 2015 8:53
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Misc :
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ClientSampleId :
TRENCH-1-1

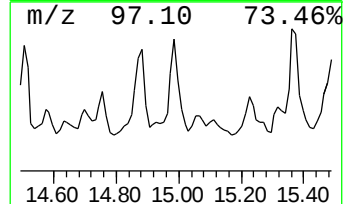
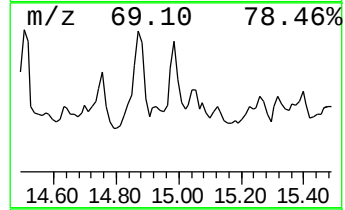
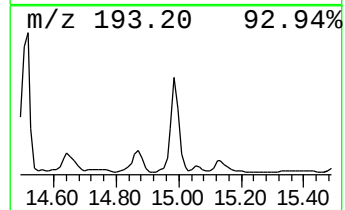
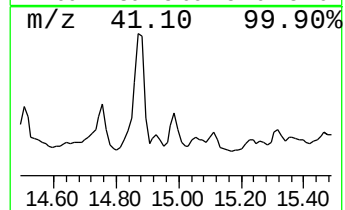
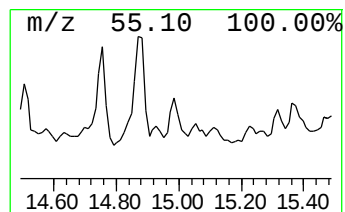
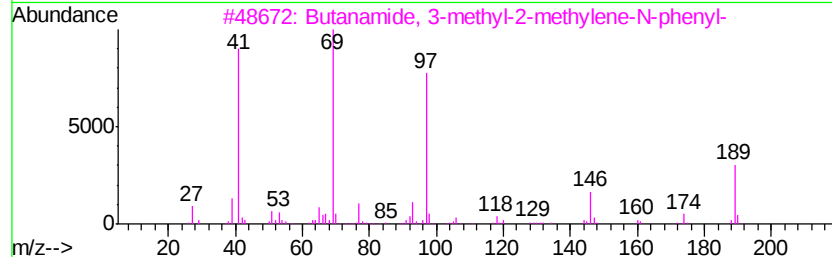
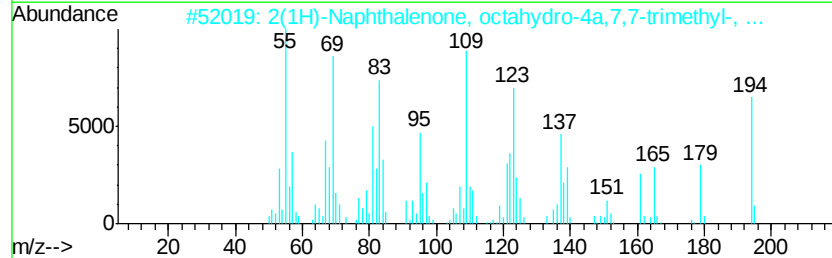
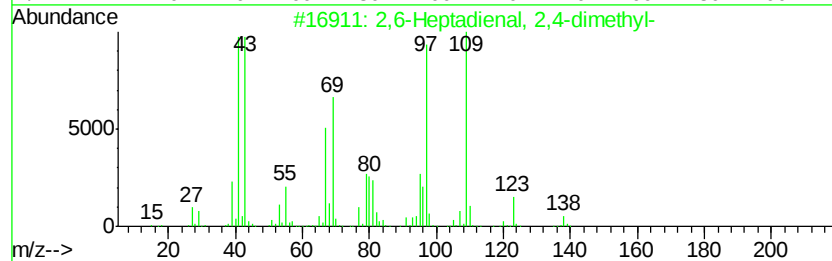
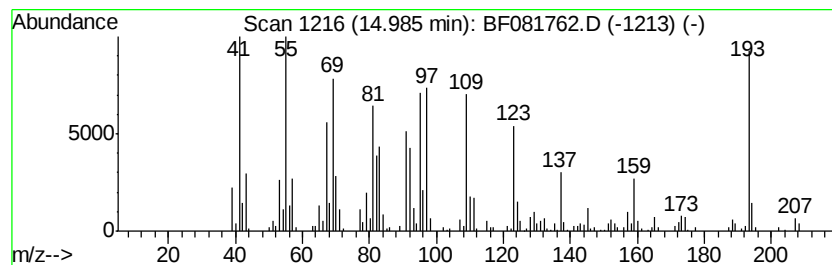
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown14.99 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.99	30.57 ng	489204	Acenaphthene-d10	15.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,6-Heptadienal, 2,4-dimethyl-	138	C9H14O	085136-08-9	38
2		2(1H)-Naphthalenone, octahydro-4...	194	C13H22O	054699-31-9	35
3		Butanamide, 3-methyl-2-methylene...	189	C12H15NO	095383-63-4	22
4		Cyclopentanecarboxylic acid, 4-h...	338	C22H42O2	1000282-77-5	22
5		Bicyclo[3.1.1]heptane-2-carboxal...	152	C10H16O	004764-14-1	18



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Data File : BF081762.D
Acq On : 23 Sep 2015 8:53
Operator : UM/IZ
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Misc :
ALS Vial : 20 Sample Multiplier: 1

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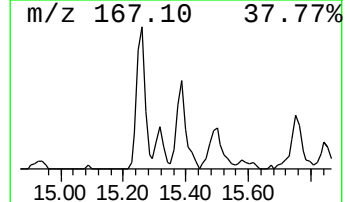
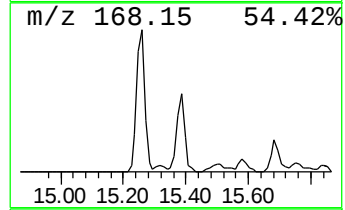
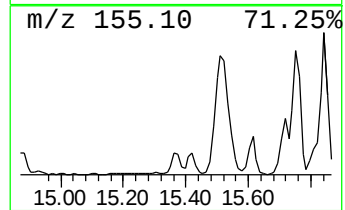
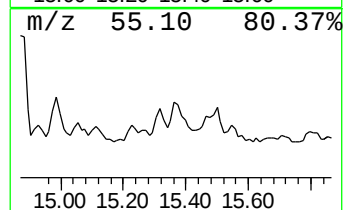
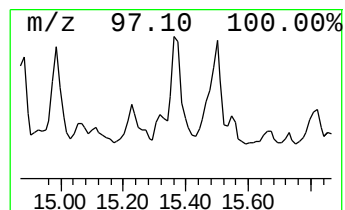
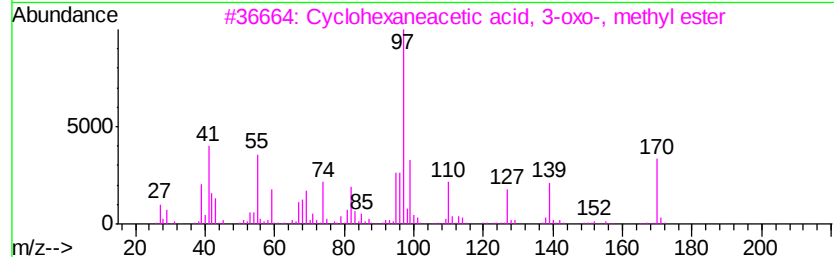
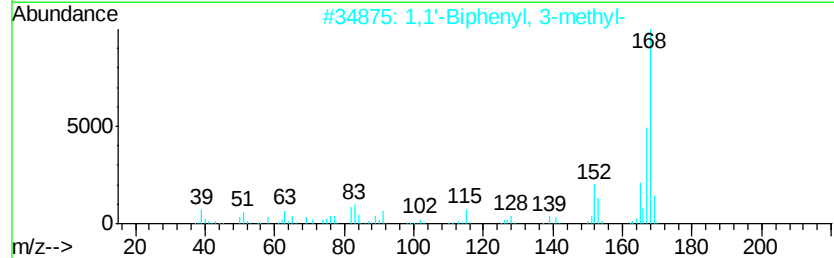
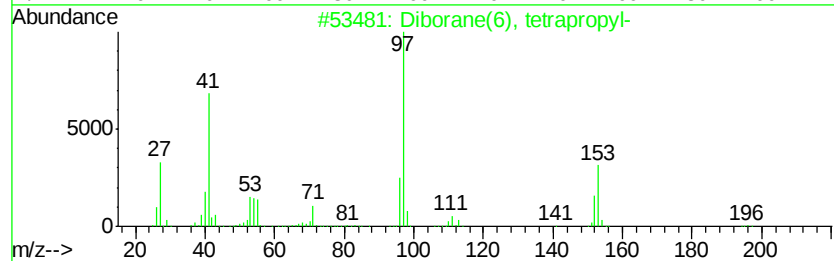
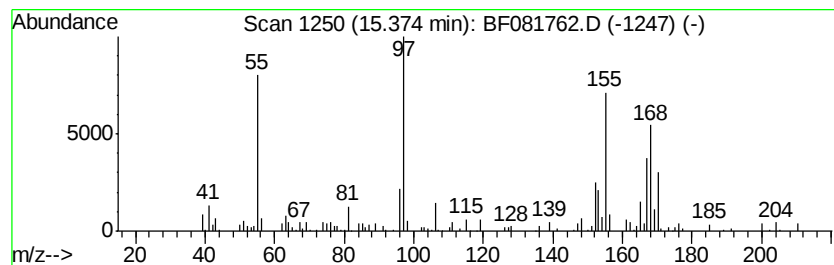
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown15.37 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	29.66 ng	474619	Acenaphthene-d10	15.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Diborane(6), tetrapropyl-	196	C12H30B2	022784-01-6	35
2		1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	35
3		Cyclohexanecarboxylic acid, 3-oxo-, ...	170	C9H14O3	002808-12-0	27
4		5-Amino-3-methylpyrazole	97	C4H7N3	031230-17-8	25
5		cis-1-Decalone	152	C10H16O	1000145-07-6	22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092215\
Data File : BF081762.D
Acq On : 23 Sep 2015 8:53
Operator : UM/IZ
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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TRENCH-1-1

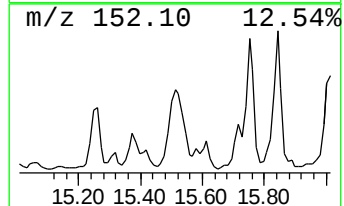
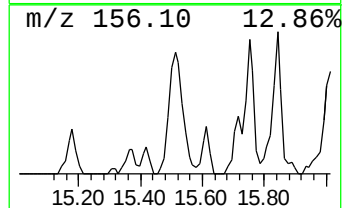
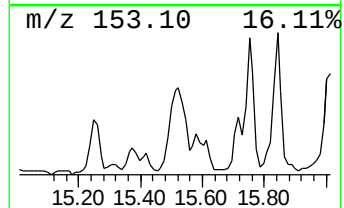
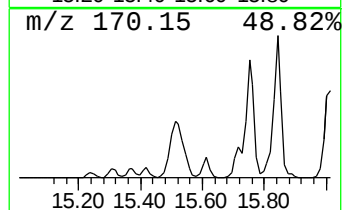
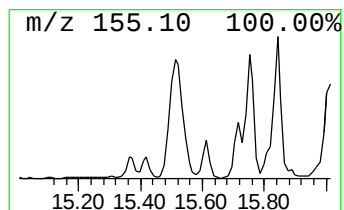
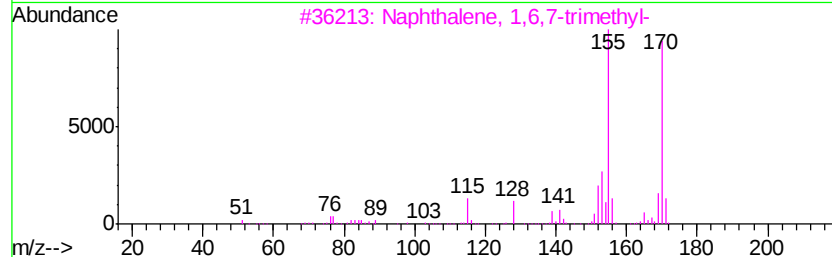
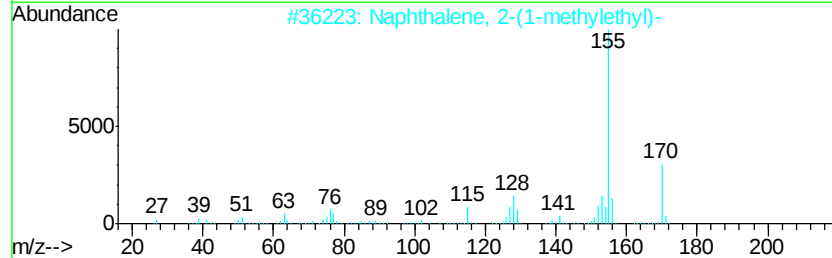
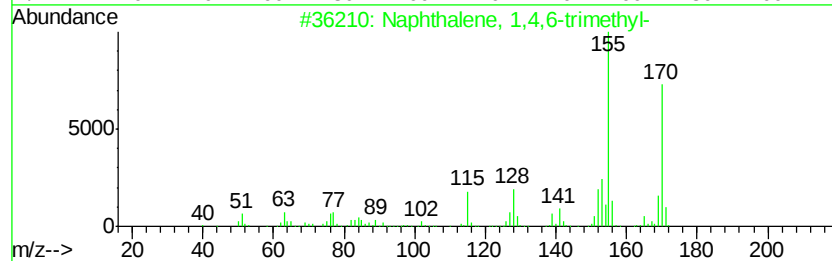
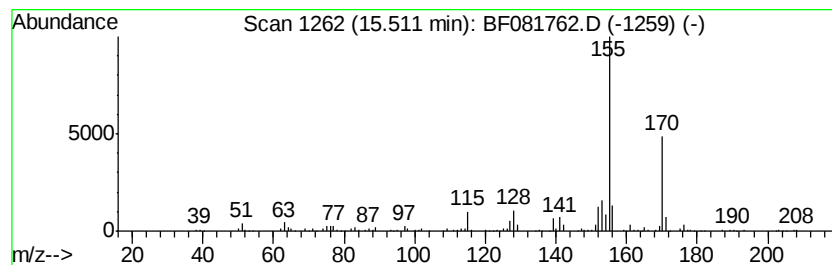
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Naphthalene, 1,4,6-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.51	55.96 ng	895570	Acenaphthene-d10	15.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
2		Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	89
4		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	86
5		2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	74



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092215\
Data File : BF081762.D
Acq On : 23 Sep 2015 8:53
Operator : UM/IZ
Sample : G3747-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TRENCH-1-1

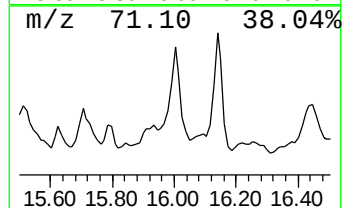
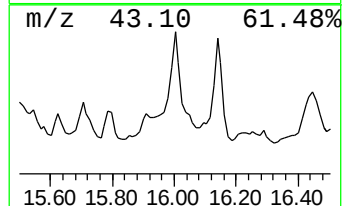
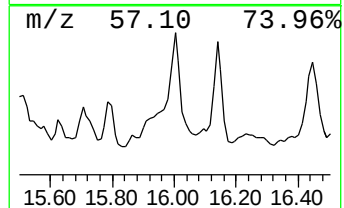
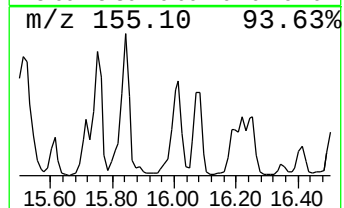
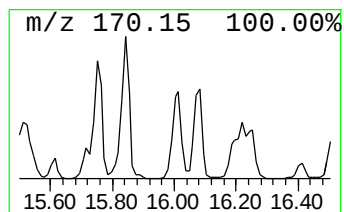
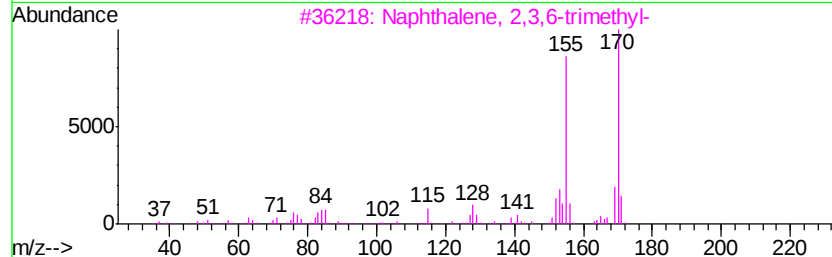
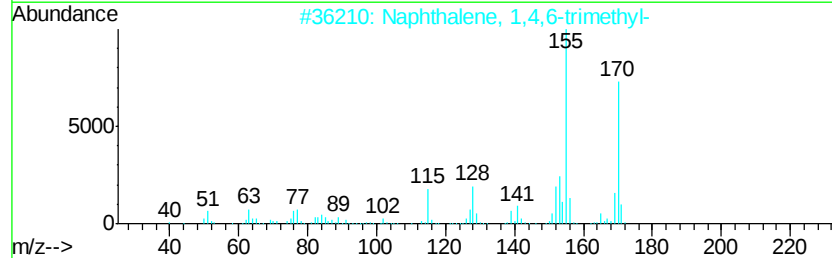
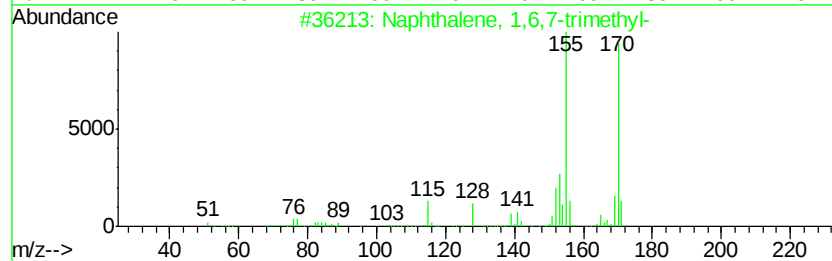
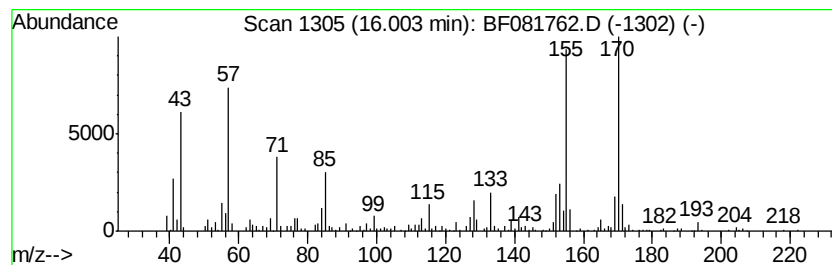
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Naphthalene, 1,6,7-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	42.57 ng	681279	Acenaphthene-d10	15.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
3		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
4		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5		Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092215\
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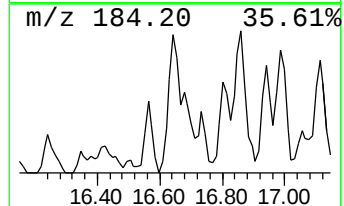
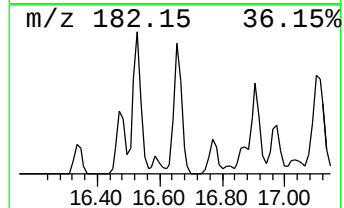
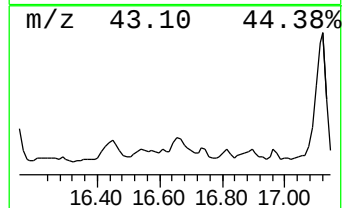
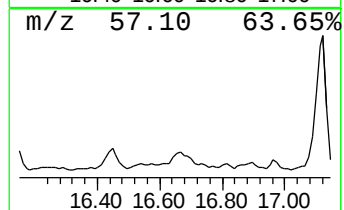
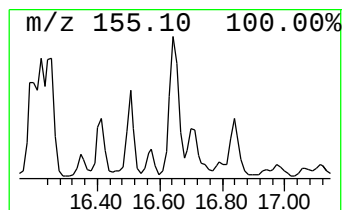
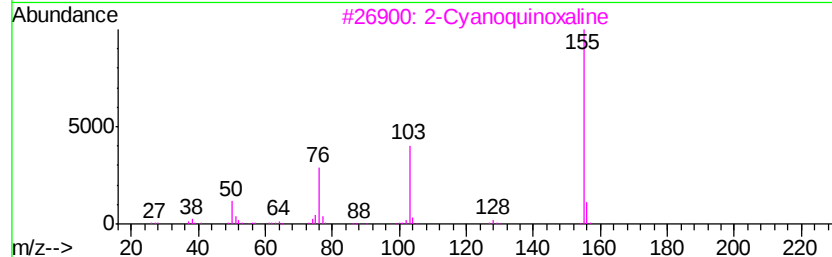
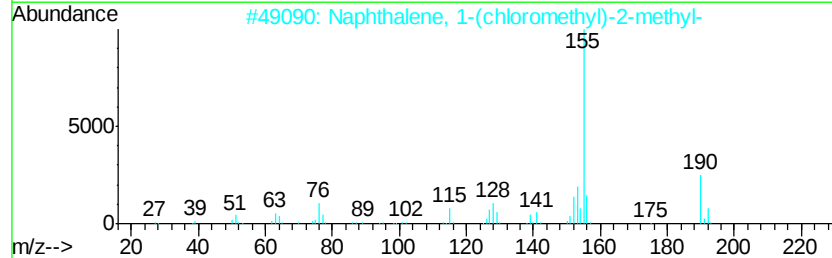
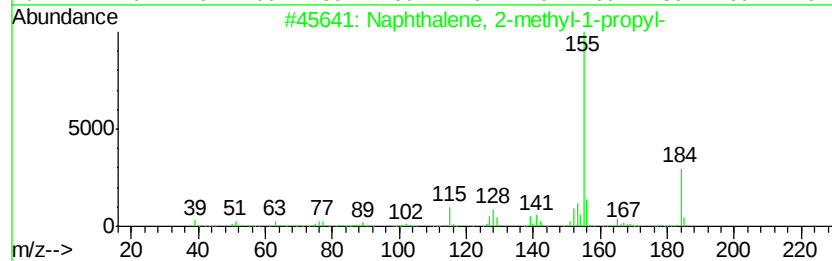
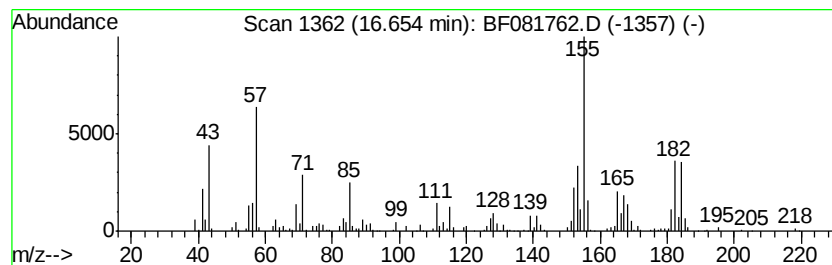
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Naphthalene, 2-methyl-1-pro... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.65	53.25 ng	852214	Acenaphthene-d10	15.18
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2-methyl-1-propyl-	184 C14H16	054774-89-9 55
2		Naphthalene, 1-(chloromethyl)-2-...	190 C12H11Cl	006626-23-9 35
3		2-Cyanoquinoxaline	155 C9H5N3	007483-33-2 27
4		Propanedioic acid, (1-ethylbutyl...	214 C11H18O4	092747-24-5 27
5		Pyridine, 4-phenyl-	155 C11H9N	000939-23-1 27



Data Path : Z:\HPCHEM1\BNA F\DATA\BF092215\
Data File : BF081762.D
Acq On : 23 Sep 2015 8:53
Operator : UM/IZ
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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TRENCH-1-1

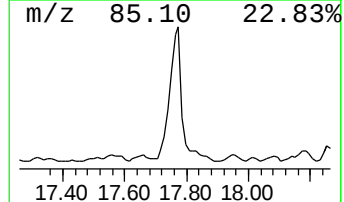
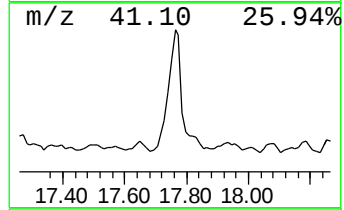
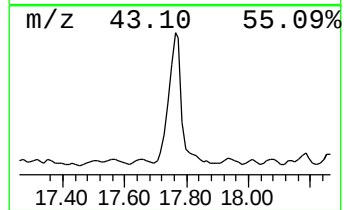
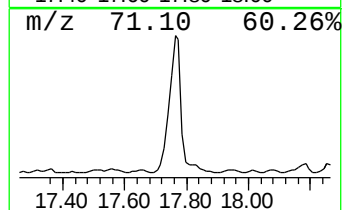
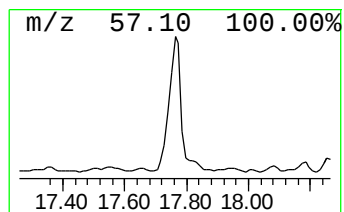
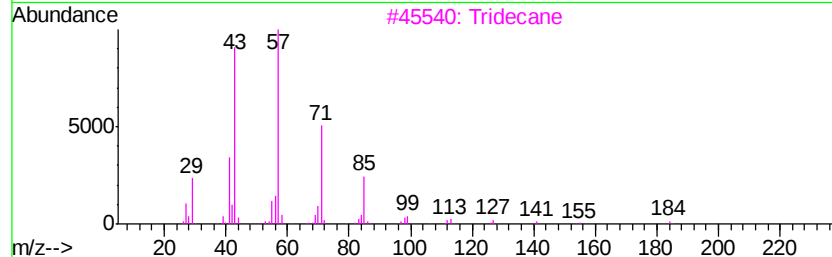
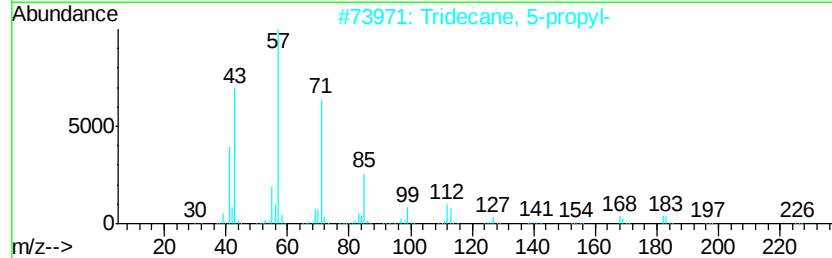
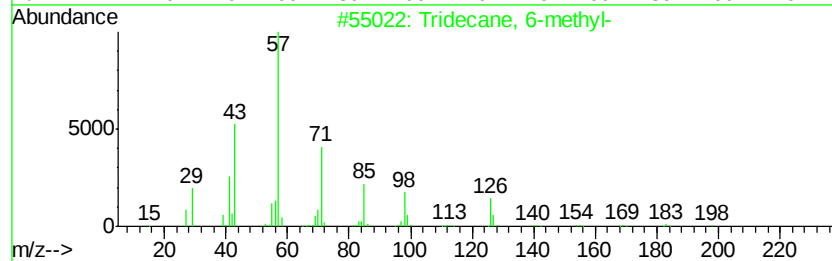
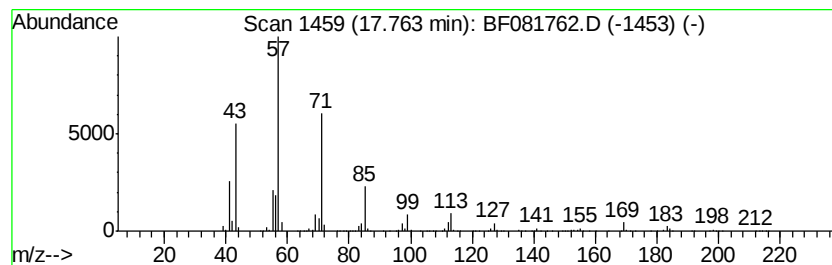
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Tridecane, 6-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.76	179.55 ng	3453160	Phenanthrene-d10	18.69

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane, 6-methyl-	198	C14H30	013287-21-3	89
2			Tridecane, 5-propyl-	226	C16H34	055045-11-9	86
3			Tridecane	184	C13H28	000629-50-5	80
4			Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	78
5			Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	78



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092215\
Data File : BF081762.D
Acq On : 23 Sep 2015 8:53
Operator : UM/IZ
Sample : G3747-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TRENCH-1-1

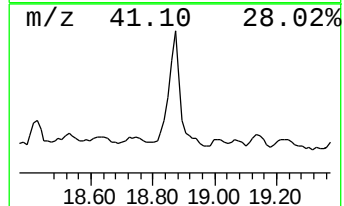
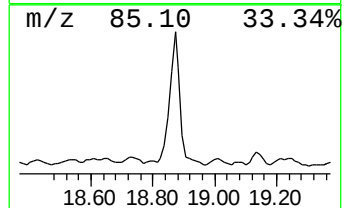
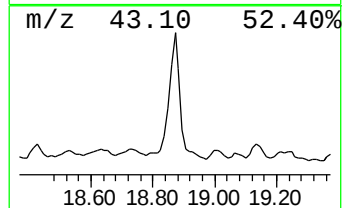
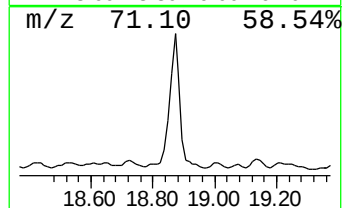
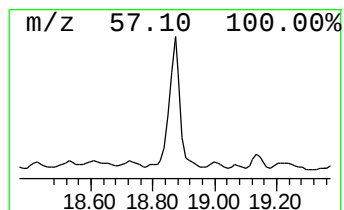
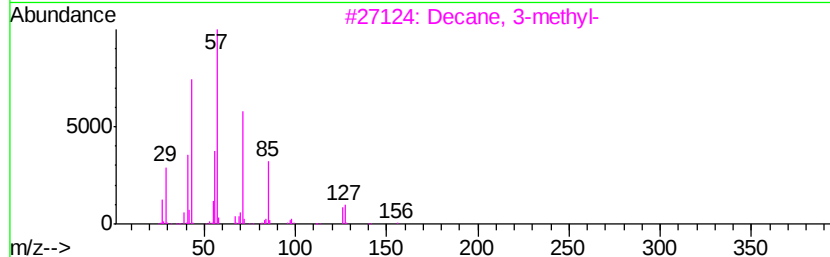
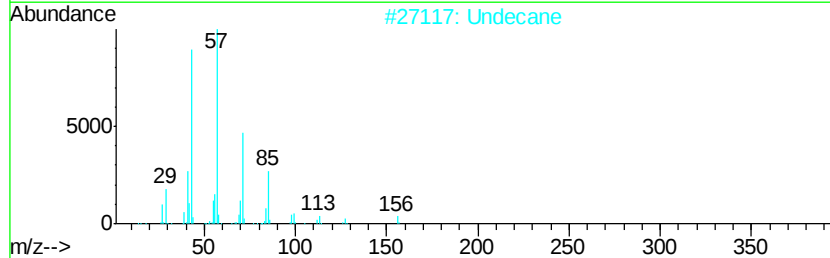
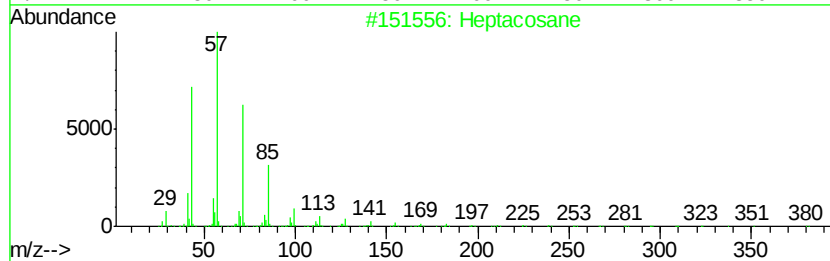
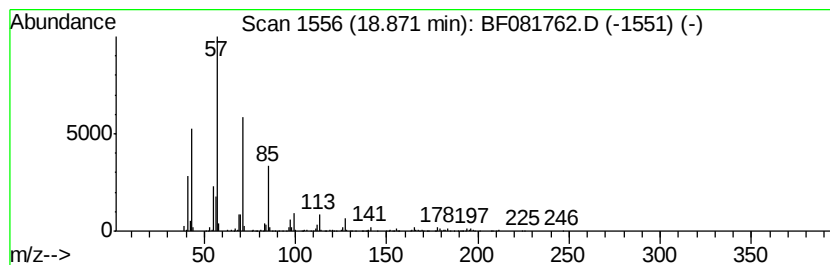
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Heptacosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	83.52 ng	1606220	Phenanthrene-d10	18.69

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptacosane	380	C27H56	000593-49-7	90
2		Undecane	156	C11H24	001120-21-4	72
3		Decane, 3-methyl-	156	C11H24	013151-34-3	72
4		Tetradecane, 4-methyl-	212	C15H32	025117-24-2	64
5		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092215\
 Data File : BF081762.D
 Acq On : 23 Sep 2015 8:53
 Operator : UM/IZ
 Sample : G3747-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TRENCH-1-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-methoxy...	1.24	81.9	ng	1176990	1	8.14	287288	20.0
2-Pentanone, 4-hy...	4.42	50.9	ng	731426	1	8.14	287288	20.0
unknown7.66	7.66	99.8	ng	1432810	1	8.14	287288	20.0
Decane, 2,6,7-tri...	12.33	43.3	ng	1694440	2	11.04	783210	20.0
Heptylcyclohexane	13.37	54.9	ng	878437	3	15.18	320071	20.0
Heptadecane, 2,6,...	13.77	125.0	ng	2000020	3	15.18	320071	20.0
Naphthalene, 1,2,...	14.03	42.6	ng	681073	3	15.18	320071	20.0
Naphthalene, 1,6-...	14.28	75.3	ng	1204390	3	15.18	320071	20.0
Naphthalene, 1,4-...	14.43	77.1	ng	1233260	3	15.18	320071	20.0
Naphthalene, 2,7-...	14.49	61.6	ng	985615	3	15.18	320071	20.0
Undecane	14.88	134.1	ng	2146630	3	15.18	320071	20.0
unknown14.99	14.99	30.6	ng	489204	3	15.18	320071	20.0
unknown15.37	15.37	29.7	ng	474619	3	15.18	320071	20.0
Naphthalene, 1,4,...	15.51	56.0	ng	895570	3	15.18	320071	20.0
Naphthalene, 1,6,...	16.00	42.6	ng	681279	3	15.18	320071	20.0
Naphthalene, 2-me...	16.65	53.3	ng	852214	3	15.18	320071	20.0
Tridecane, 6-methyl-	17.76	179.6	ng	3453160	4	18.69	384654	20.0
Heptacosane	18.87	83.5	ng	1606220	4	18.69	384654	20.0