

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011215\
 Data File : BF076823.D
 Acq On : 13 Jan 2015 1:17
 Operator : IZ / TP
 Sample : F5246-01
 Misc : S
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-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-BF010915.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	5.167	354	357	365	rBV	476468	887606	16.97%	0.542%
2	7.293	540	543	548	rBV3	221221	642474	12.28%	0.392%
3	7.487	557	560	562	rBV	481388	779851	14.91%	0.476%
4	7.590	566	569	578	rVV	572551	1316391	25.16%	0.804%
5	7.727	578	581	583	rVV	604311	976007	18.66%	0.596%
6	8.230	620	625	627	rBV2	304896	608661	11.63%	0.372%
7	8.287	627	630	632	rVV	486953	854397	16.33%	0.522%
8	8.413	635	641	644	rBV	433990	778031	14.87%	0.475%
9	8.905	679	684	688	rBV3	497544	1907749	36.46%	1.165%
10	9.042	693	696	701	rVB2	598221	1320357	25.24%	0.806%
11	9.156	701	706	710	rBV	306457	673712	12.88%	0.411%
12	9.225	710	712	714	rBV	333999	647207	12.37%	0.395%
13	9.270	714	716	719	rVB	369360	594323	11.36%	0.363%
14	9.385	723	726	730	rBV3	1006333	1866716	35.68%	1.140%
15	9.590	742	744	748	rBV3	193547	575598	11.00%	0.351%
16	9.910	769	772	776	rVB3	1002055	2006792	38.36%	1.225%
17	9.979	776	778	780	rBV	481484	703296	13.44%	0.429%
18	10.093	785	788	790	rBV2	379819	683728	13.07%	0.417%
19	10.173	790	795	797	rBV2	435932	863252	16.50%	0.527%
20	10.242	797	801	804	rBV3	358946	1079063	20.63%	0.659%
21	10.299	804	806	808	rVV3	463428	884736	16.91%	0.540%
22	10.448	815	819	820	rBV2	658543	1268553	24.25%	0.775%
23	10.528	824	826	830	rVB3	608956	1234991	23.61%	0.754%
24	10.619	830	834	836	rBV3	935594	1701611	32.52%	1.039%
25	10.665	836	838	839	rVV	653848	856400	16.37%	0.523%
26	10.699	839	841	846	rVB3	575531	1378256	26.34%	0.841%
27	10.802	846	850	853	rBV2	565114	1450249	27.72%	0.885%
28	11.008	861	868	870	rBV6	627826	1986755	37.97%	1.213%
29	11.053	870	872	880	rVV5	870346	2749873	52.56%	1.679%
30	11.191	881	884	889	rVB2	664506	1634398	31.24%	0.998%
31	11.453	904	907	909	rVV	1267538	2070768	39.58%	1.264%
32	11.522	909	913	915	rVV2	982912	1707977	32.65%	1.043%
33	11.625	915	922	925	rVV4	540179	1751146	33.47%	1.069%
34	11.739	929	932	935	rBV3	473700	1187658	22.70%	0.725%

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If leading or trailing edge < 100 prefer < Baseline drop else tangent >

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010915.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.865	940	943	947	rVB4	242782	650385	12.43%	0.397%
36	12.014	953	956	963	rVB4	745733	2415674	46.17%	1.475%
37	12.128	963	966	969	rBV2	588231	1417618	27.10%	0.866%
38	12.185	969	971	972	rVV	363757	613993	11.74%	0.375%
39	12.219	972	974	976	rVV2	426938	953805	18.23%	0.582%
40	12.265	976	978	980	rVV	1645325	3032892	57.97%	1.852%
41	12.322	980	983	987	rVB	1363259	2407516	46.02%	1.470%
42	12.402	987	990	994	rBV3	662663	1611994	30.81%	0.984%
43	12.551	1000	1003	1005	rBV	504217	1007443	19.26%	0.615%
44	12.619	1005	1009	1014	rVV3	1308824	3922344	74.97%	2.395%
45	12.722	1014	1018	1024	rVV3	1561287	3646363	69.70%	2.226%
46	12.871	1029	1031	1033	rVV	377996	768810	14.69%	0.469%
47	12.939	1033	1037	1040	rVV2	1403079	3117521	59.59%	1.903%
48	13.054	1043	1047	1050	rVV	2023317	4396020	84.03%	2.684%
49	13.122	1050	1053	1055	rVV	665905	1287314	24.61%	0.786%
50	13.179	1055	1058	1063	rVV4	418265	1175769	22.47%	0.718%
51	13.305	1067	1069	1071	rVV	617729	1087929	20.79%	0.664%
52	13.362	1071	1074	1077	rVV2	1272426	2525985	48.28%	1.542%
53	13.465	1080	1083	1086	rVV4	418869	1045803	19.99%	0.639%
54	13.568	1089	1092	1094	rVV2	628069	1564537	29.90%	0.955%
55	13.602	1094	1095	1098	rVV2	669235	1015843	19.42%	0.620%
56	13.659	1098	1100	1104	rVV	694208	1400688	26.77%	0.855%
57	13.762	1104	1109	1116	rVB3	1634807	3986624	76.20%	2.434%
58	13.865	1116	1118	1123	rBV2	321213	750918	14.35%	0.458%
59	14.014	1126	1131	1133	rVV2	963799	2600813	49.71%	1.588%
60	14.071	1133	1136	1143	rVV3	895195	3248022	62.08%	1.983%
61	14.254	1146	1152	1158	rVV2	1358002	5231786	100.00%	3.194%
62	14.414	1161	1166	1168	rVV	1942312	4559411	87.15%	2.784%
63	14.471	1168	1171	1176	rVV2	1570074	4051449	77.44%	2.474%
64	14.585	1178	1181	1183	rVV2	355081	642777	12.29%	0.392%
65	14.631	1183	1185	1187	rVV	497754	909649	17.39%	0.555%
66	14.677	1187	1189	1193	rVV3	767639	2419678	46.25%	1.477%
67	14.745	1193	1195	1199	rVB4	732742	1706763	32.62%	1.042%
68	14.860	1199	1205	1208	rBV2	1680893	3914241	74.82%	2.390%
69	14.974	1211	1215	1221	rVV6	479826	1083524	20.71%	0.662%
70	15.145	1227	1230	1233	rVB2	572889	1152250	22.02%	0.703%
71	15.237	1233	1238	1241	rBV3	682359	1950916	37.29%	1.191%

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72	15.305	1241	1244	1246	rVV2	561145	1242551	23.75%	0.759%
73	15.362	1246	1249	1254	rVV4	525206	1428637	27.31%	0.872%
74	15.488	1254	1260	1266	rVV2	861950	2988039	57.11%	1.824%
75	15.717	1272	1280	1283	rBV3	970803	2733207	52.24%	1.669%
76	15.797	1285	1287	1290	rVV	925276	1440378	27.53%	0.879%
77	15.945	1297	1300	1303	rVV2	1139175	1833156	35.04%	1.119%
78	16.002	1303	1305	1309	rVV3	904777	1352400	25.85%	0.826%
79	16.071	1309	1311	1313	rVV2	437081	717169	13.71%	0.438%
80	16.151	1314	1318	1323	rVB5	636520	1970246	37.66%	1.203%
81	16.471	1343	1346	1352	rBV5	738457	2020185	38.61%	1.233%
82	16.814	1370	1376	1378	rBV	1918769	3891220	74.38%	2.376%
83	16.928	1382	1386	1387	rBV3	234430	601574	11.50%	0.367%
84	17.168	1405	1407	1409	rBV2	335448	597633	11.42%	0.365%
85	17.260	1411	1415	1417	rVV	2574939	4754819	90.88%	2.903%
86	17.294	1417	1418	1421	rVV3	534020	1036862	19.82%	0.633%
87	17.351	1421	1423	1426	rVV2	1020420	1645194	31.45%	1.004%
88	17.408	1426	1428	1432	rVV4	303074	878408	16.79%	0.536%
89	17.534	1436	1439	1441	rVB3	522073	914129	17.47%	0.558%
90	17.694	1450	1453	1457	rBV5	420989	1408135	26.91%	0.860%
91	17.911	1470	1472	1473	rVV	563824	702640	13.43%	0.429%
92	17.946	1473	1475	1478	rVV	1351317	1999789	38.22%	1.221%
93	18.094	1485	1488	1491	rBV4	330711	849388	16.24%	0.519%
94	18.357	1509	1511	1514	rVV2	354690	670106	12.81%	0.409%
95	18.448	1516	1519	1525	rVB3	378788	862148	16.48%	0.526%
96	18.608	1530	1533	1535	rBV	722855	973641	18.61%	0.594%
97	18.643	1535	1536	1538	rVB	634670	606537	11.59%	0.370%
98	19.271	1589	1591	1596	rVB	351833	774394	14.80%	0.473%
99	19.363	1596	1599	1601	rBV	567791	906108	17.32%	0.553%
100	20.083	1659	1662	1664	rVV	789561	1087239	20.78%	0.664%

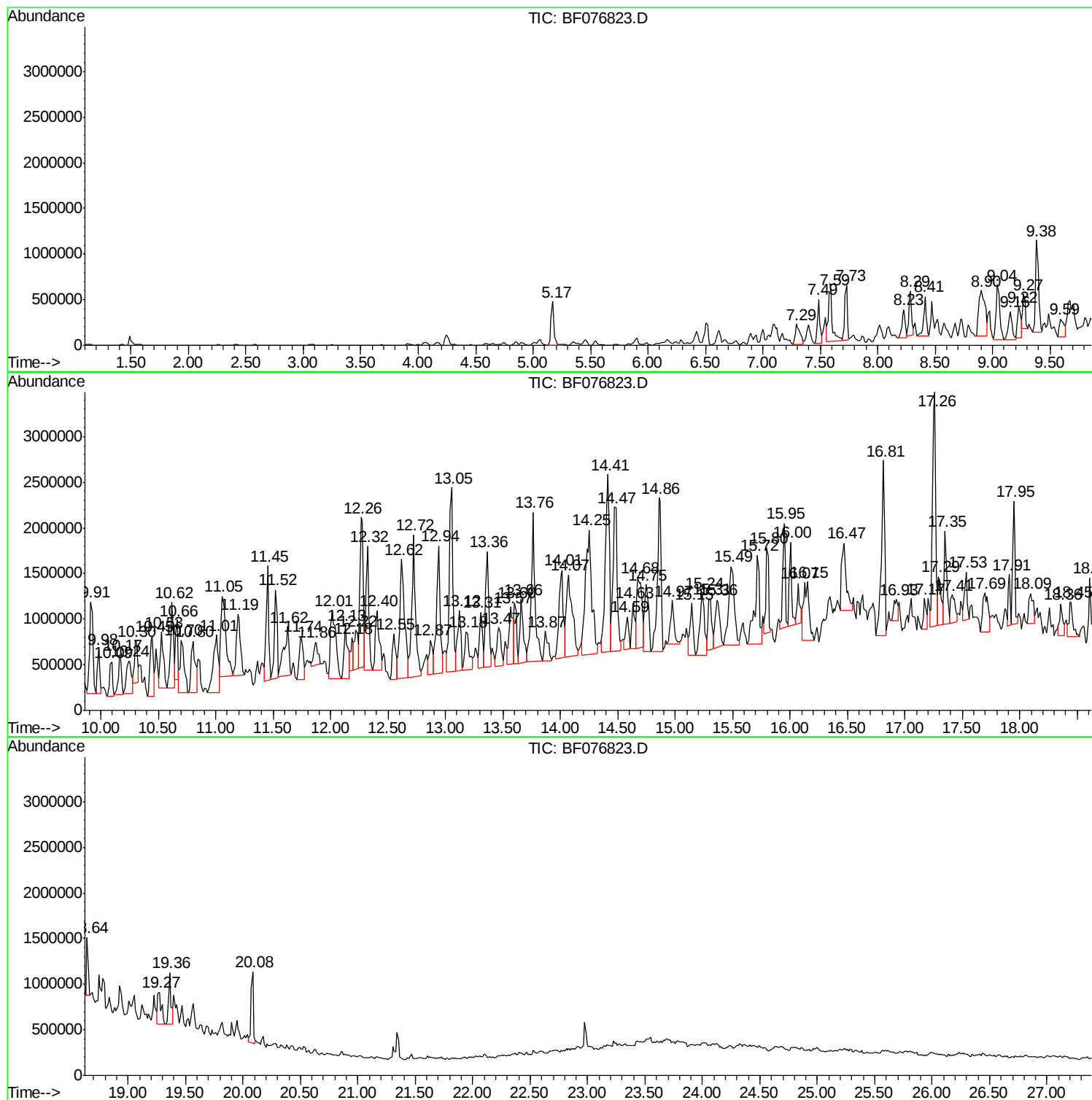
Sum of corrected areas: 163789581

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Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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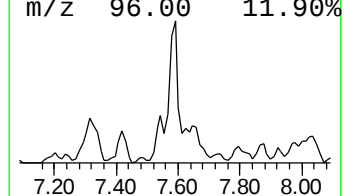
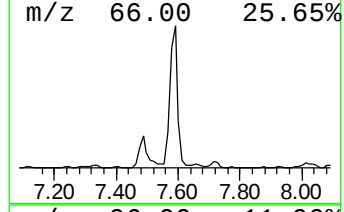
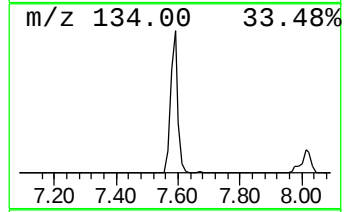
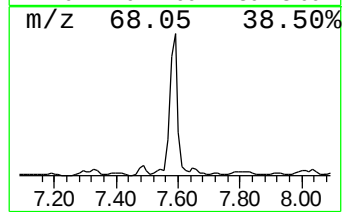
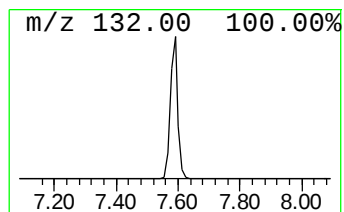
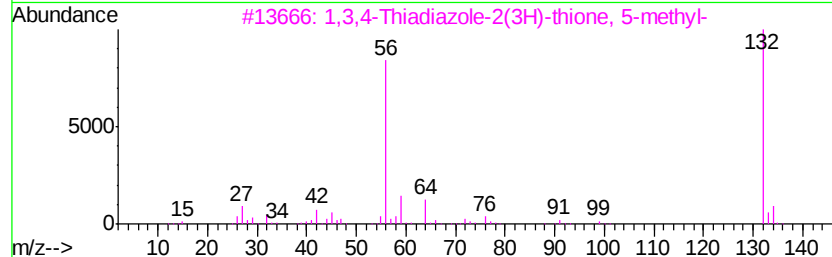
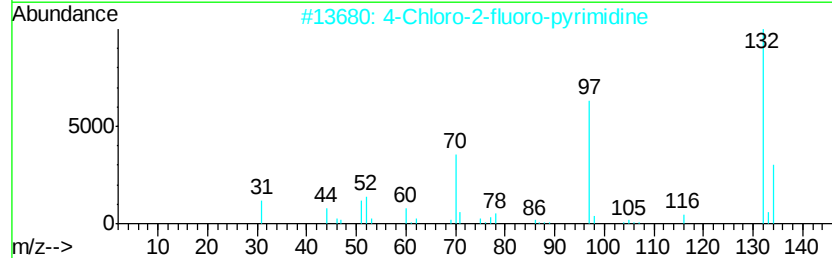
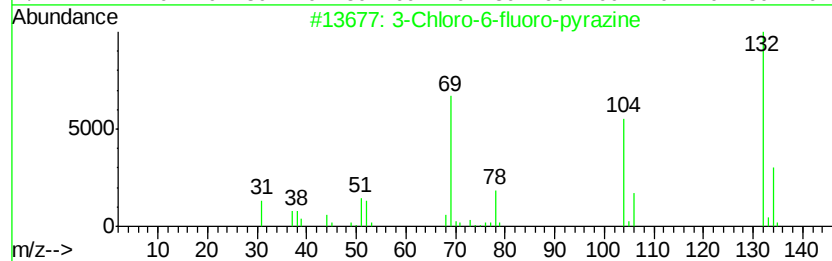
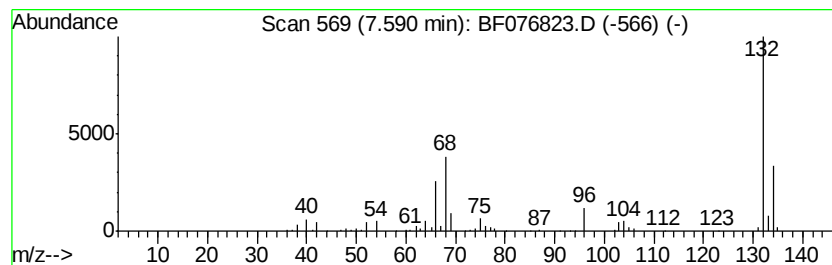
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown7.59 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.59	43.26 ng	1316390	1,4-Dichlorobenzene-d4	8.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
3		1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	9
4		1-Aminoindan	133	C9H11N	034698-41-4	9
5		3H-1,2-Dithiol-3-one, 4-methyl-	132	C4H4OS2	003620-10-8	9



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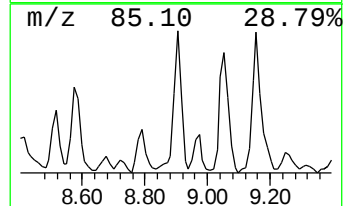
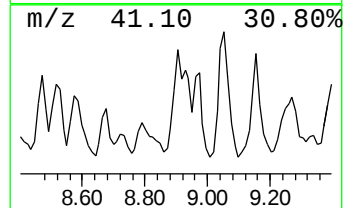
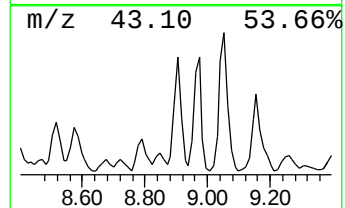
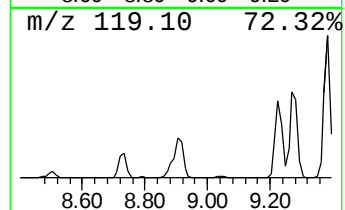
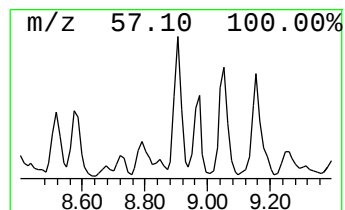
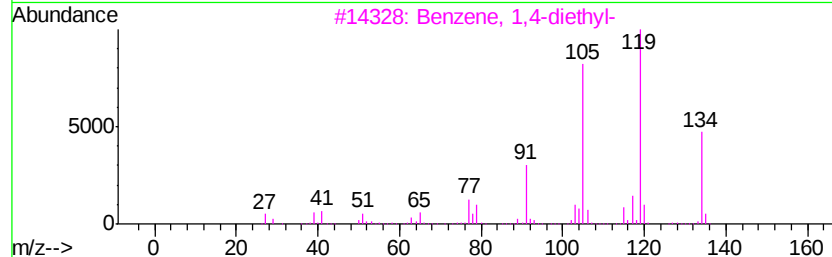
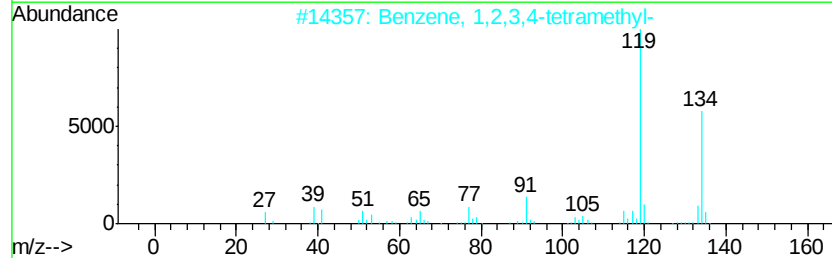
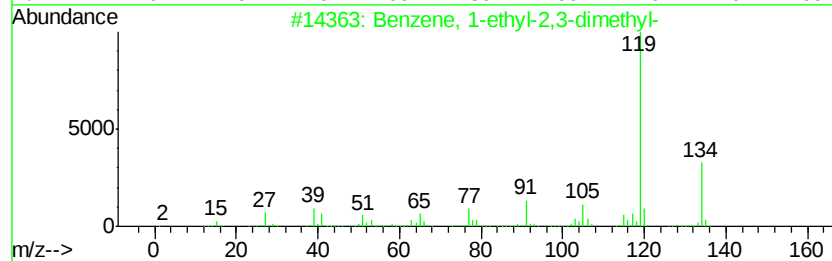
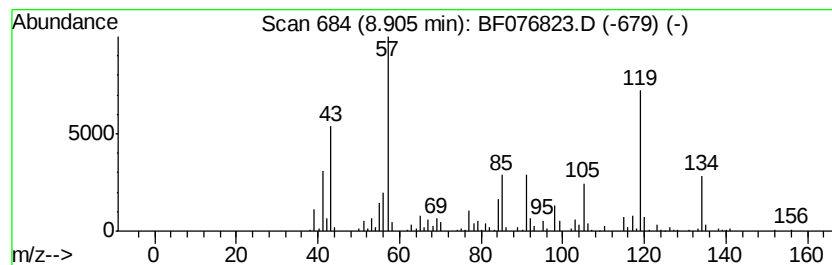
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.90	62.69 ng	1907750	1,4-Dichlorobenzene-d4	8.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	83
2		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	59
3		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	55
4		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	46
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	46



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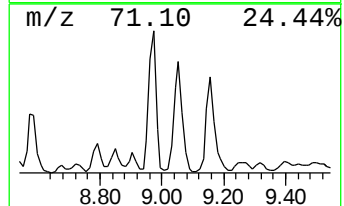
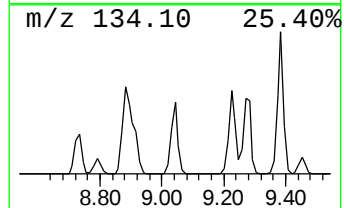
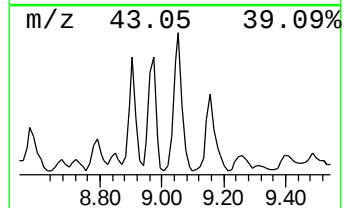
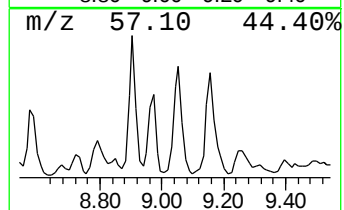
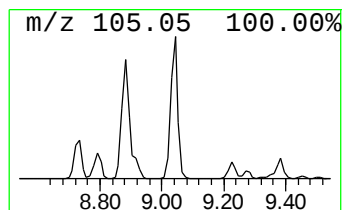
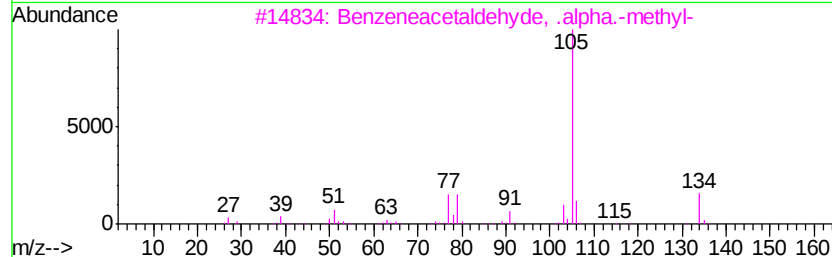
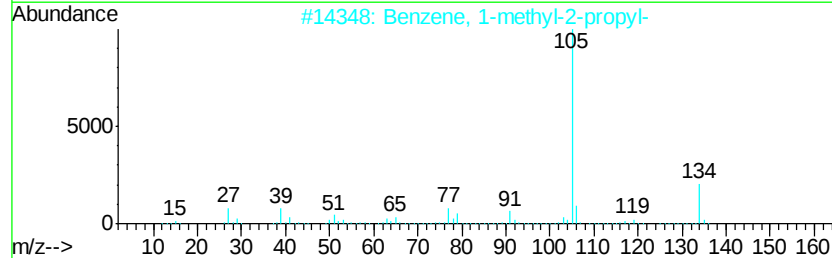
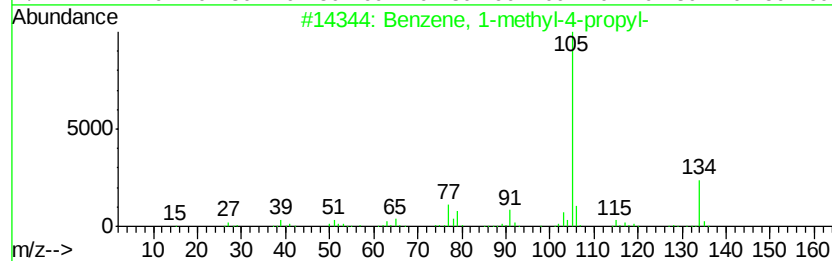
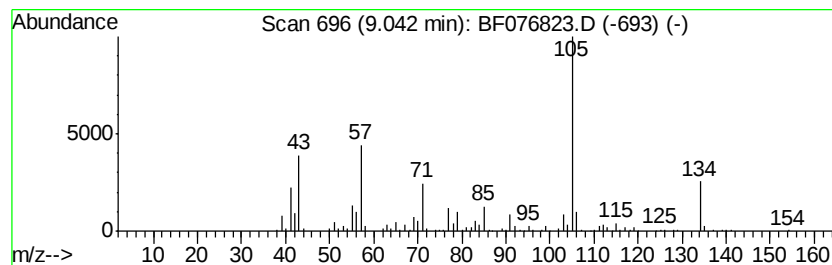
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Benzene, 1-methyl-4-propyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.04	43.39 ng	1320360	1,4-Dichlorobenzene-d4	8.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
2		Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	60
3		Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	60
4		Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	60
5		2-Tolylloxirane	134	C9H10O	002783-26-8	49



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011215\
Data File : BF076823.D
Acq On : 13 Jan 2015 1:17
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Sample : F5246-01
Misc : S
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Instrument :
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ClientSampled :
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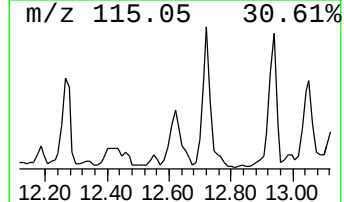
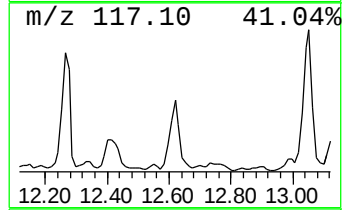
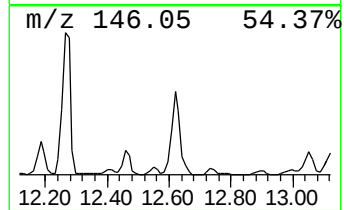
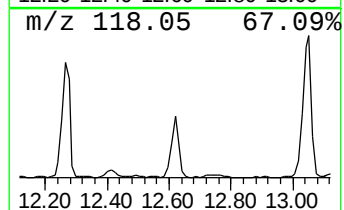
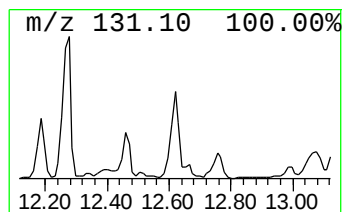
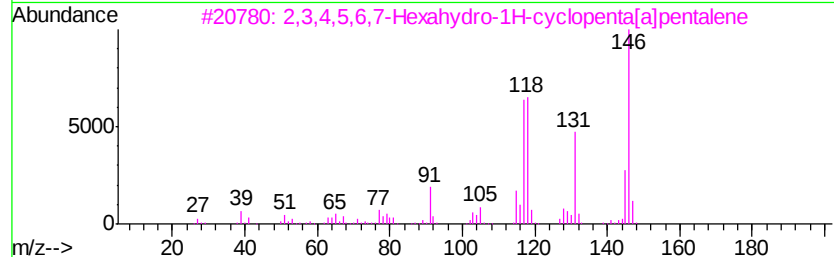
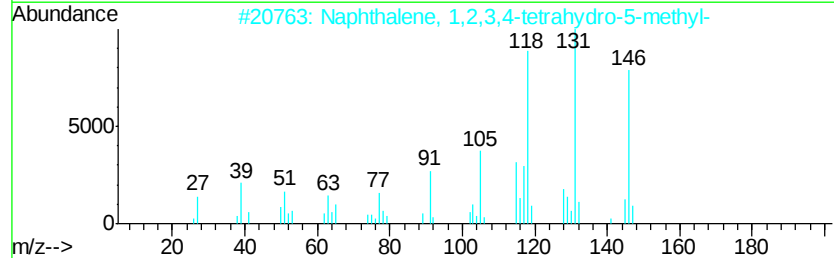
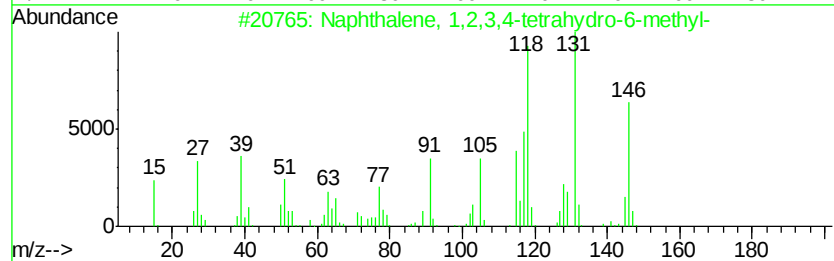
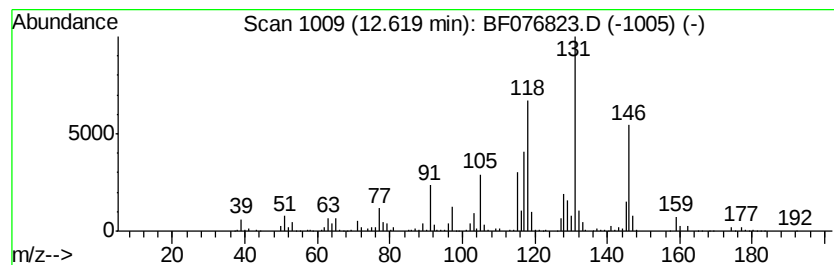
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Naphthalene, 1,2,3,4-tetra... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	39.48 ng	3922340	Naphthalene-d8	11.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	96
2		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	96
3		2,3,4,5,6,7-Hexahydro-1H-cyclope...	146	C11H14	1000189-31-0	81
4		1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	76
5		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64



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Acq On : 13 Jan 2015 1:17
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ClientSampled :
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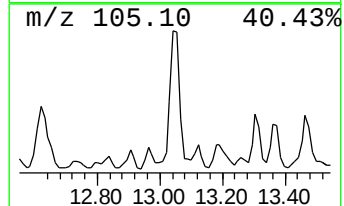
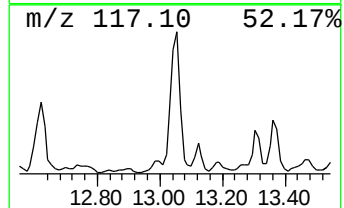
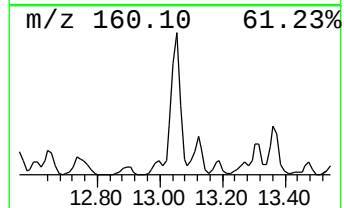
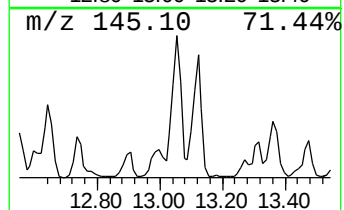
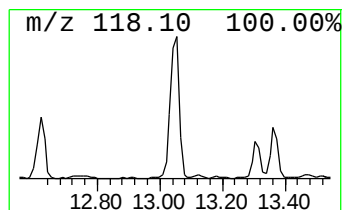
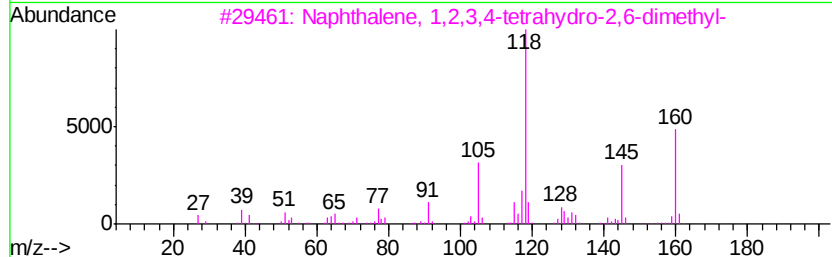
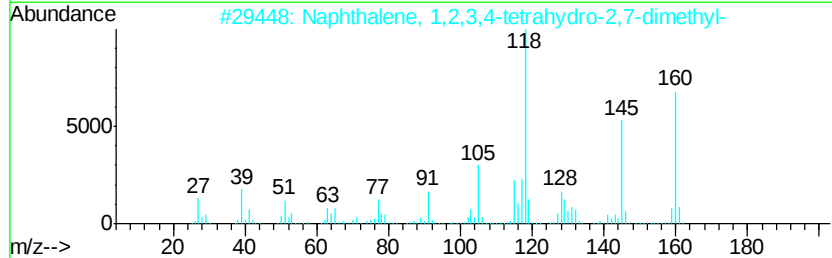
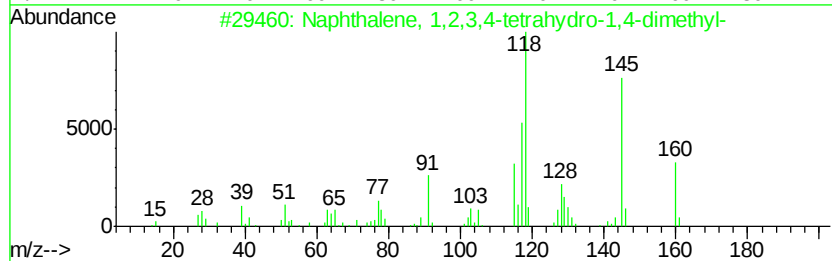
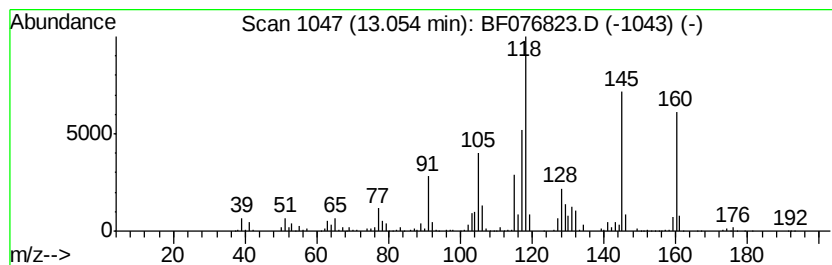
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 1,2,3,4-tetra... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	44.25 ng	4396020	Naphthalene-d8	11.01

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	95
2		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	90
3		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	62
4		1(2H)-Naphthalenone, 3,4-dihydro...	160	C11H12O	014944-23-1	58
5		1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	46



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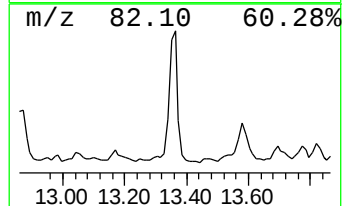
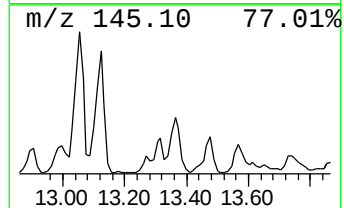
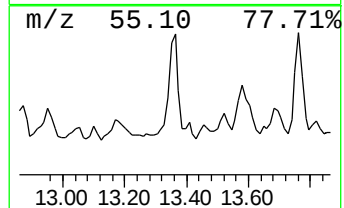
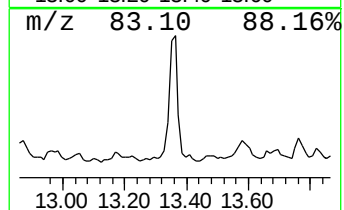
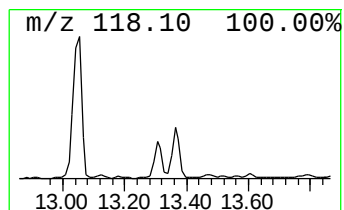
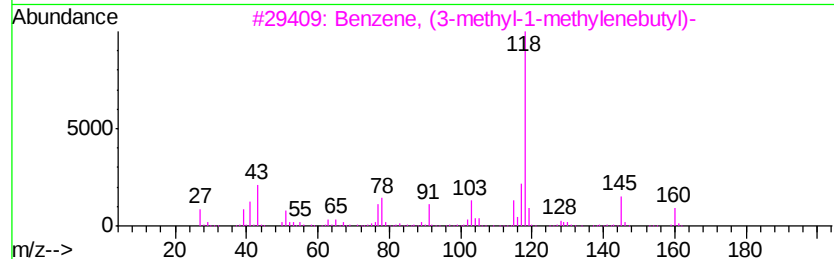
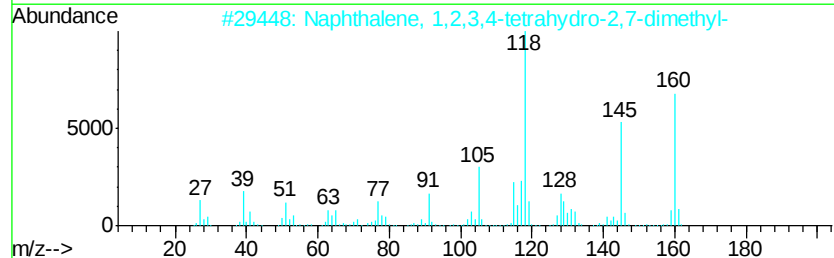
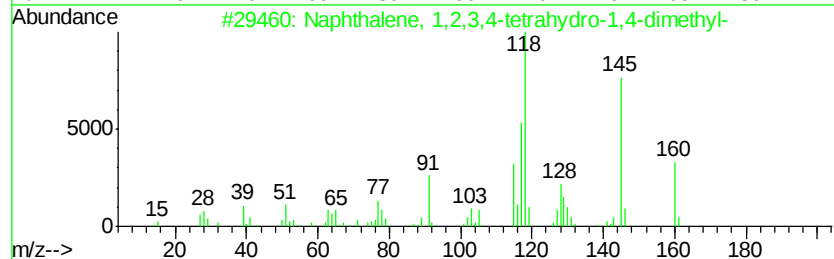
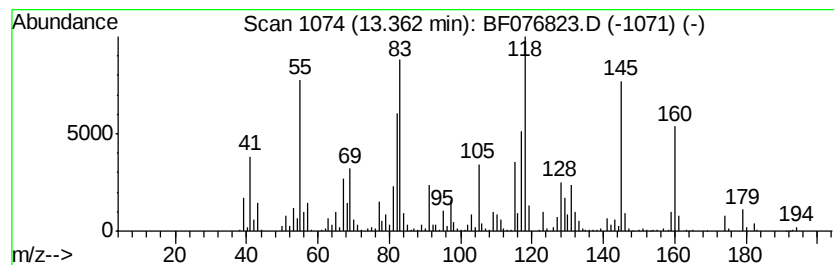
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphthalene, 1,2,3,4-tetra... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.36	43.84 ng	2525990	Acenaphthene-d10	15.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	92
2		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	91
3		Benzene, (3-methyl-1-methylenebu...	160	C12H16	038212-14-5	43
4		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	42
5		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	42



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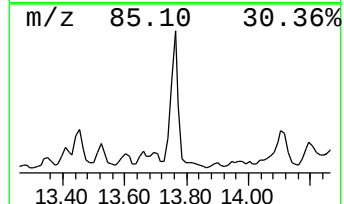
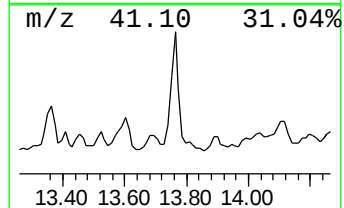
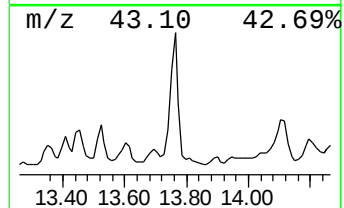
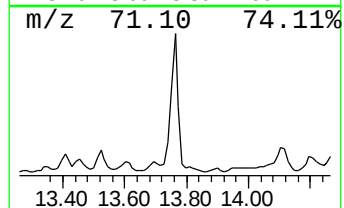
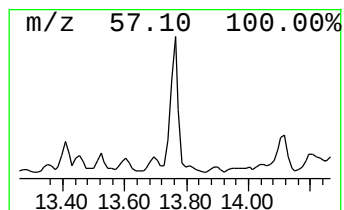
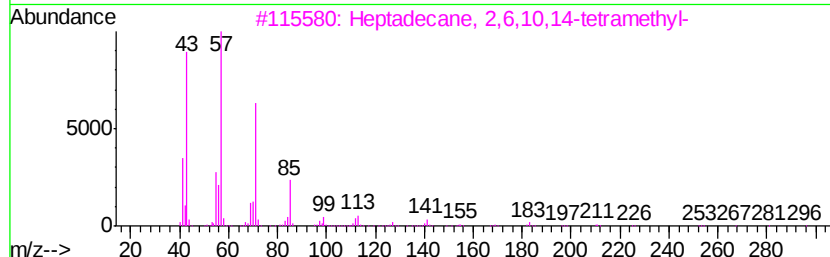
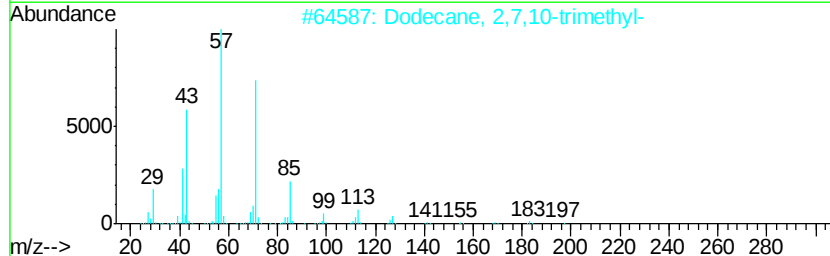
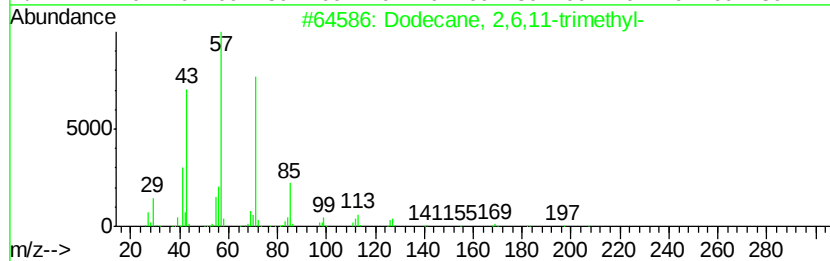
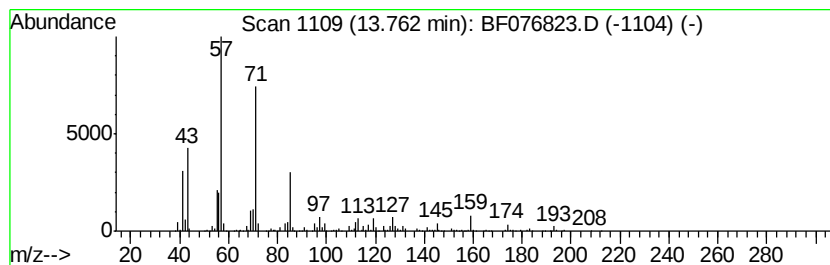
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Dodecane, 2,6,11-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	69.20 ng	3986620	Acenaphthene-d10	15.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	80
2		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	74
3		Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	72
4		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72
5		Hexadecane	226	C16H34	000544-76-3	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011215\
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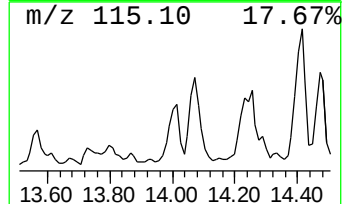
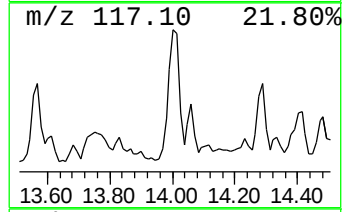
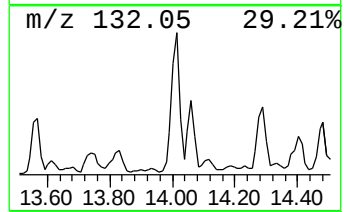
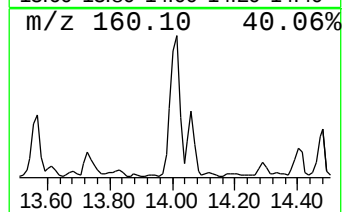
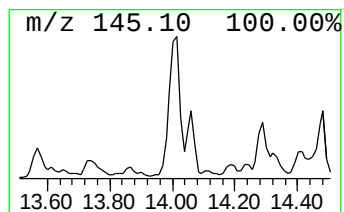
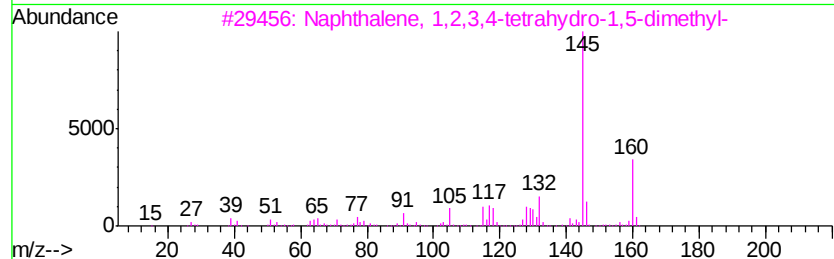
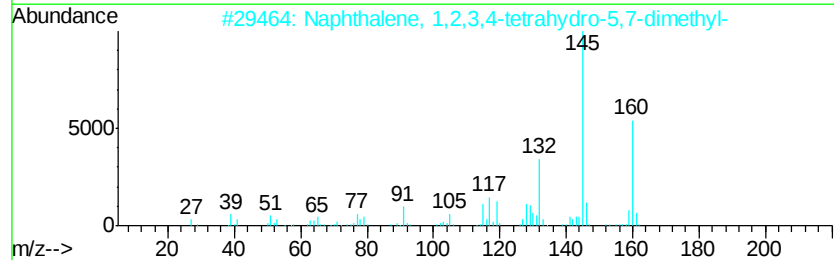
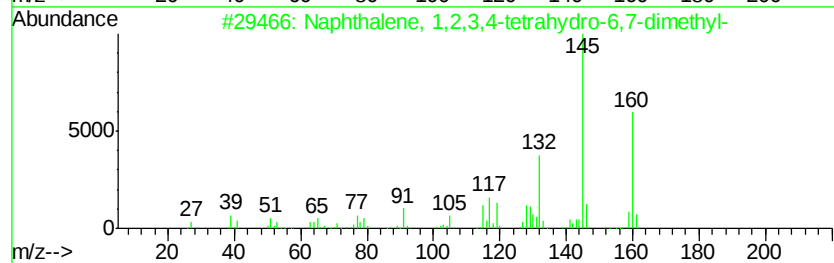
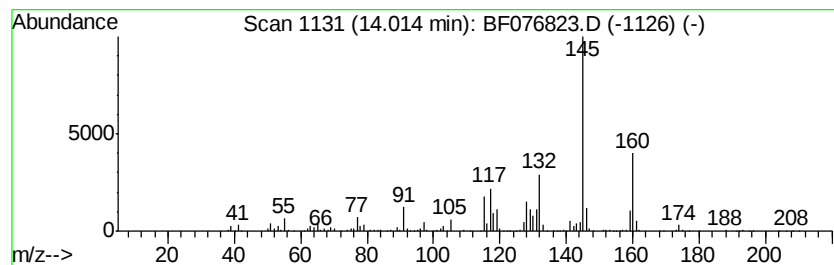
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 1,2,3,4-tetra... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	45.14 ng	2600810	Acenaphthene-d10	15.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	95
2		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	95
3		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	91
4		Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	90
5		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	87



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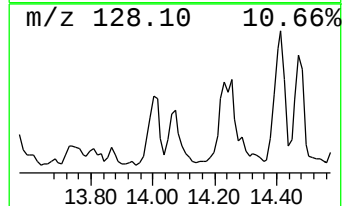
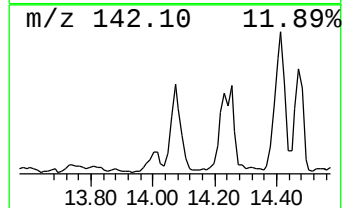
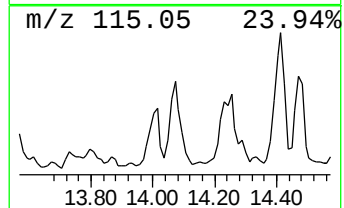
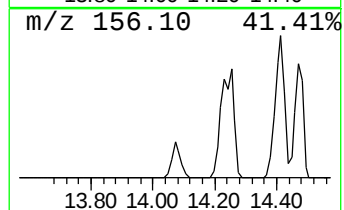
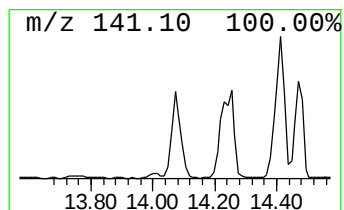
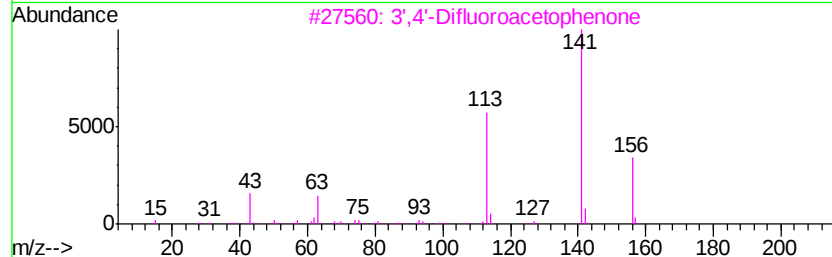
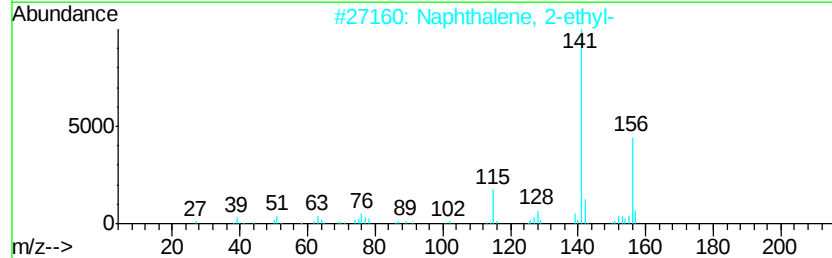
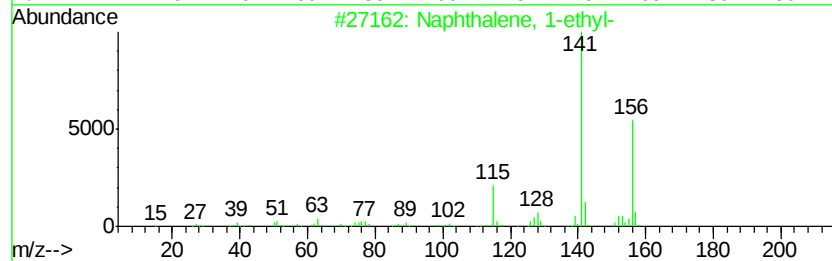
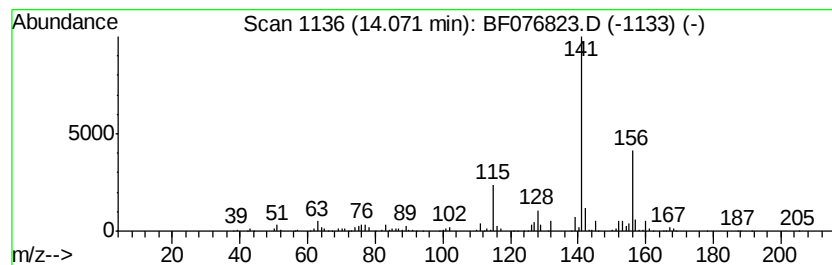
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 1-ethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.07	56.38 ng	3248020	Acenaphthene-d10	15.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	95
2		Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
3		3',4'-Difluoroacetophenone	156	C8H6F2O	000369-33-5	53
4		2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	45
5		Methyl phenylphosphinic acid	156	C7H9O2P	004271-13-0	42



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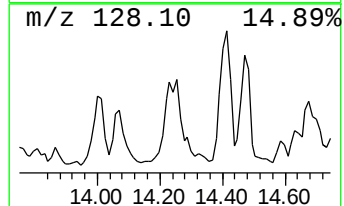
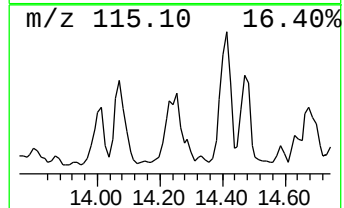
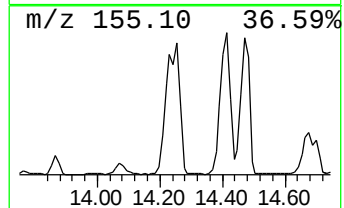
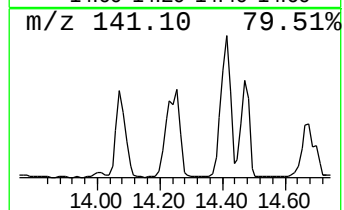
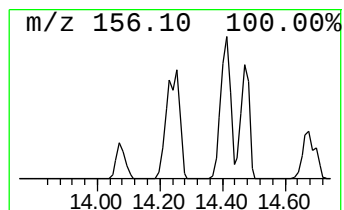
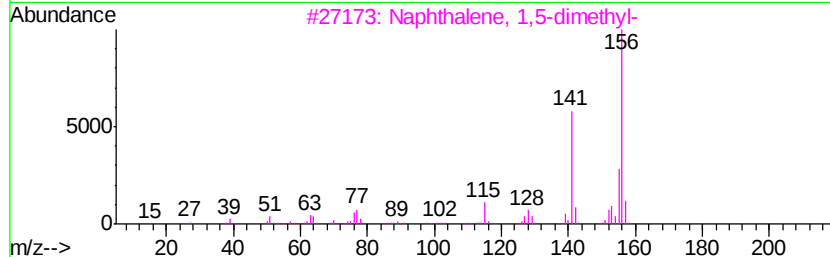
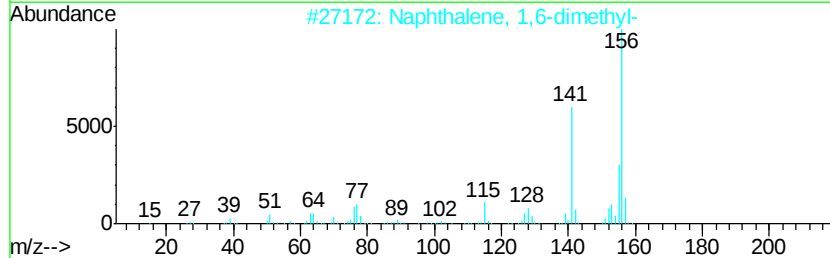
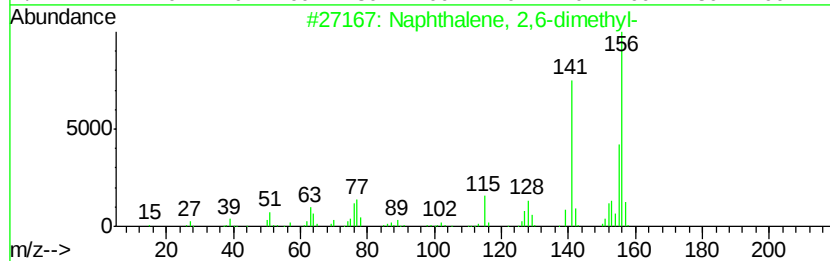
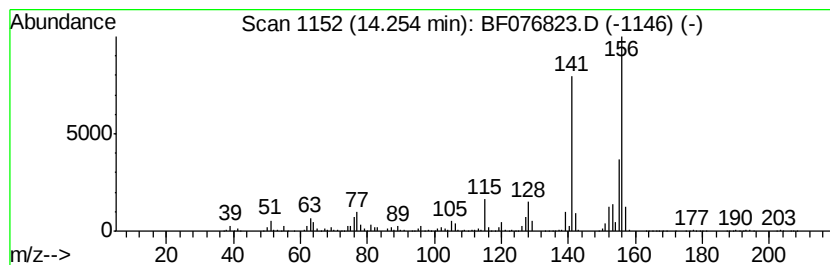
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 2,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.25	90.81 ng	5231790	Acenaphthene-d10	15.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011215\
Data File : BF076823.D
Acq On : 13 Jan 2015 1:17
Operator : IZ / TP
Sample : F5246-01
Misc : S
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-1

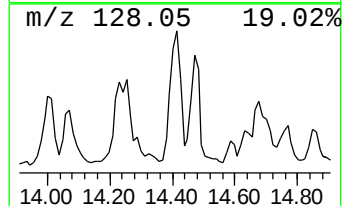
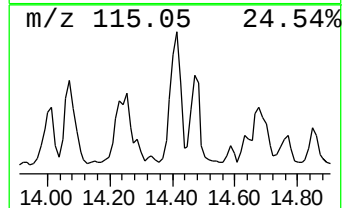
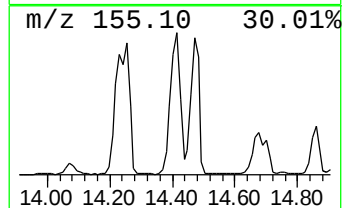
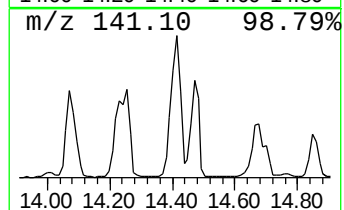
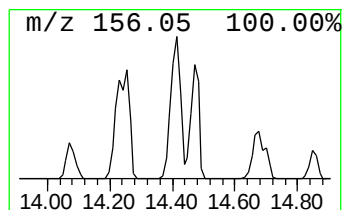
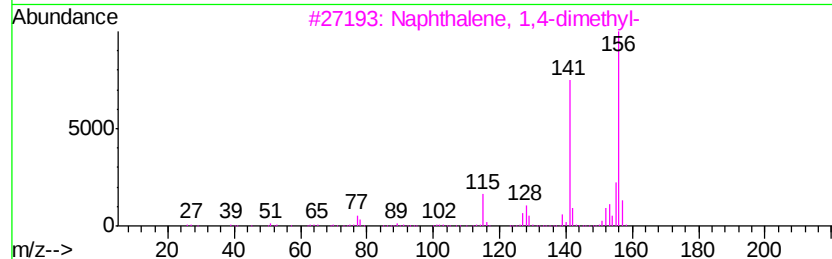
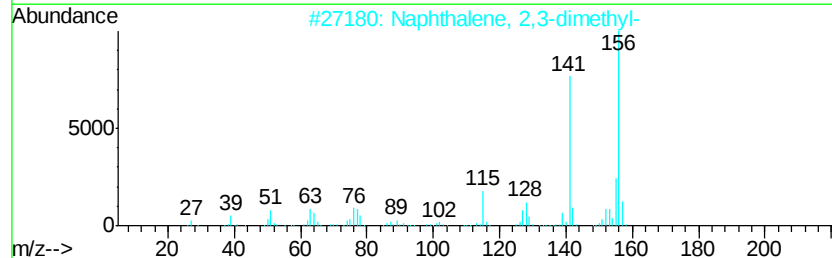
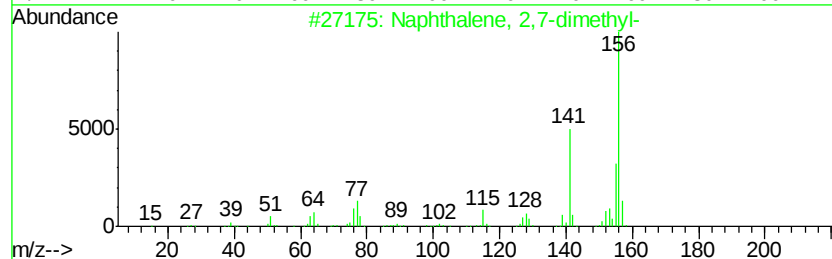
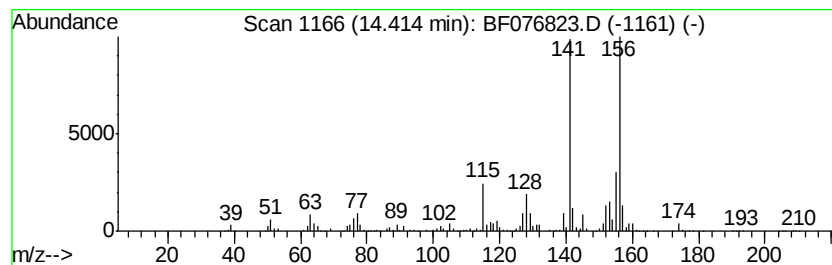
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 2,7-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.41	79.14 ng	4559410	Acenaphthene-d10	15.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011215\
Data File : BF076823.D
Acq On : 13 Jan 2015 1:17
Operator : IZ / TP
Sample : F5246-01
Misc : S
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
S-1

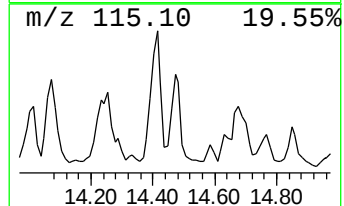
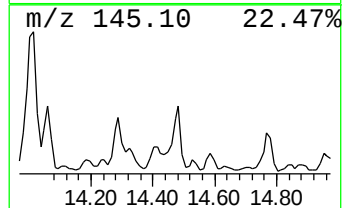
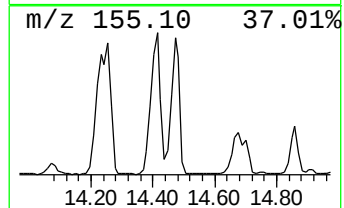
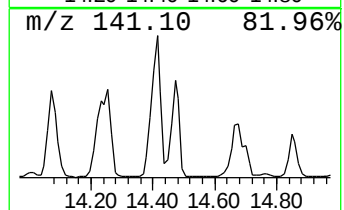
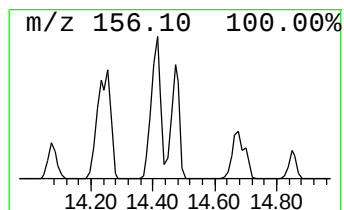
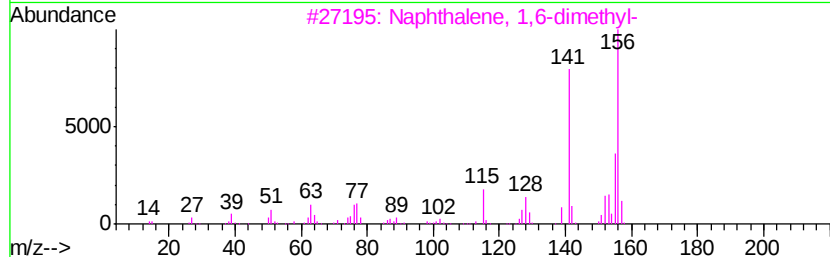
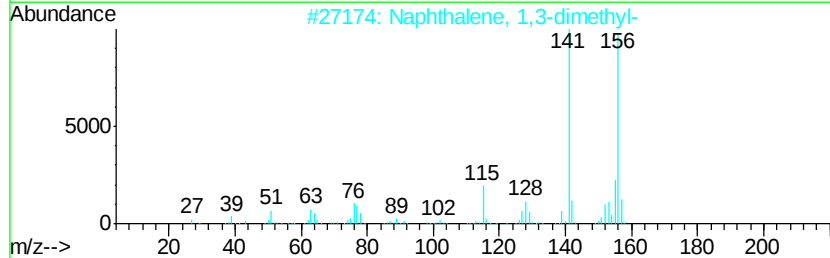
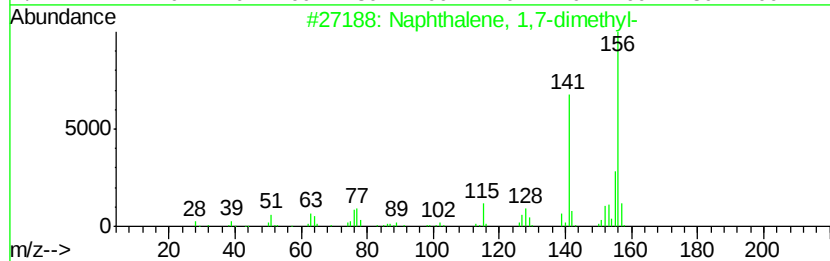
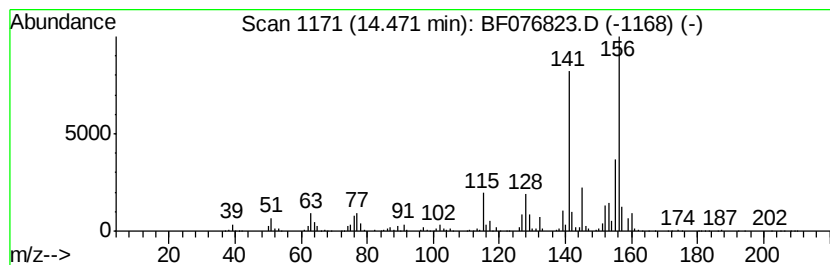
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 1,7-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	70.32 ng	4051450	Acenaphthene-d10	15.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
2		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
5		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011215\
Data File : BF076823.D
Acq On : 13 Jan 2015 1:17
Operator : IZ / TP
Sample : F5246-01
Misc : S
ALS Vial : 16 Sample Multiplier: 1

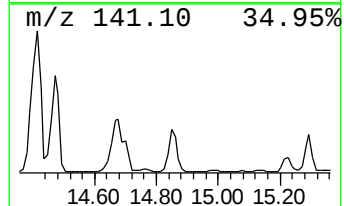
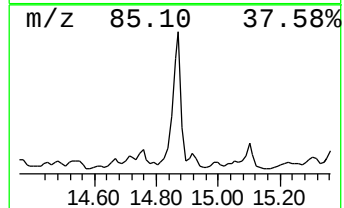
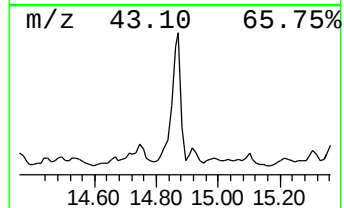
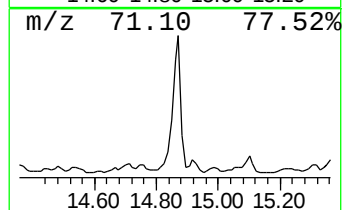
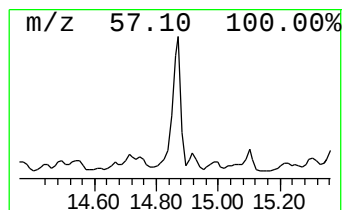
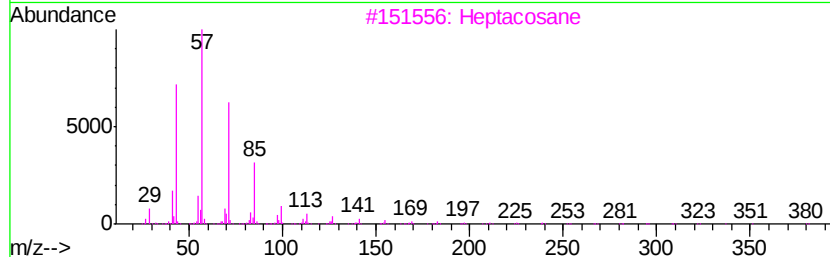
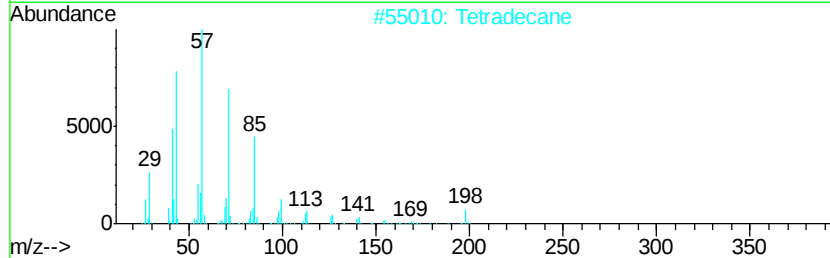
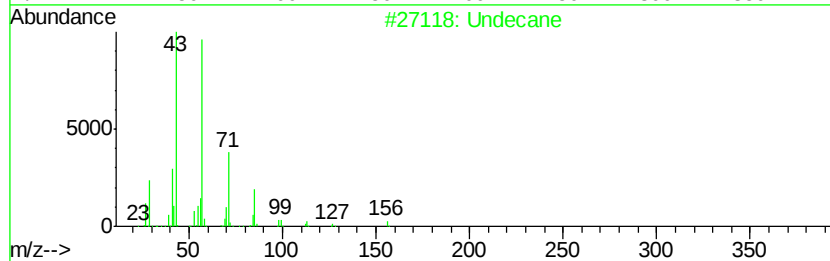
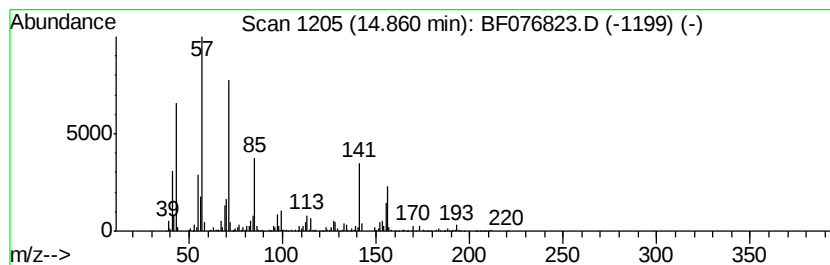
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Undecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	67.94 ng	3914240	Acenaphthene-d10	15.16
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Undecane	156 C11H24	001120-21-4	76
2	Tetradecane	198 C14H30	000629-59-4	58
3	Heptacosane	380 C27H56	000593-49-7	58
4	Tetracosane	338 C24H50	000646-31-1	58
5	Heptadecane, 2,6,10,15-tetramethyl-	296 C21H44	054833-48-6	58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011215\
Data File : BF076823.D
Acq On : 13 Jan 2015 1:17
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Sample : F5246-01
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ALS Vial : 16 Sample Multiplier: 1

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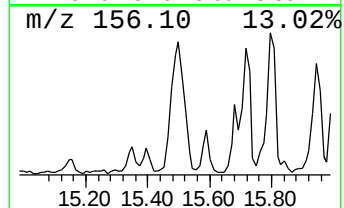
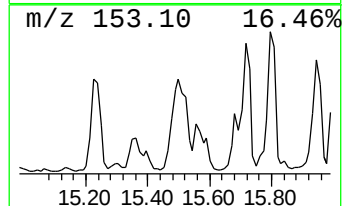
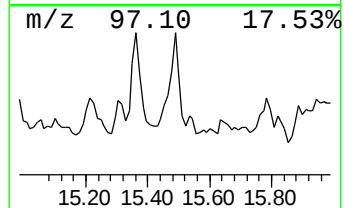
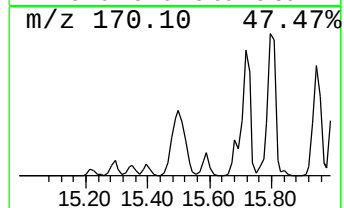
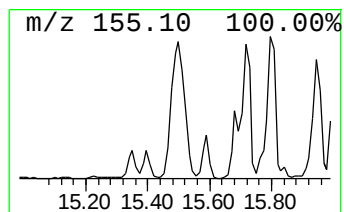
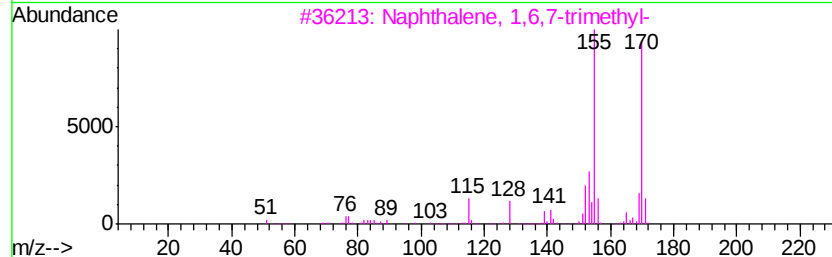
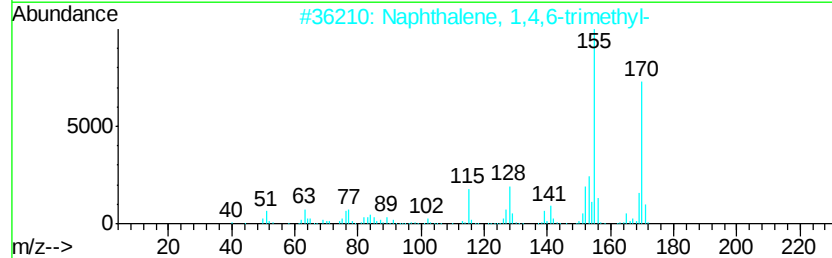
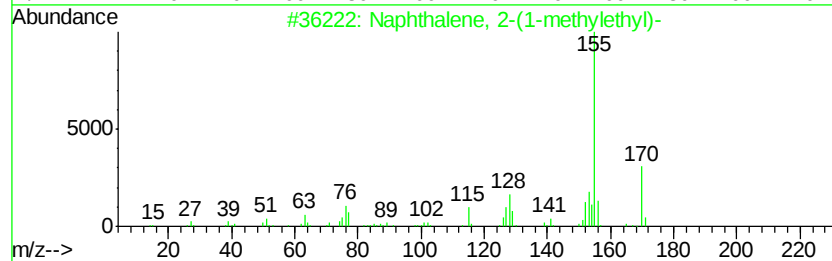
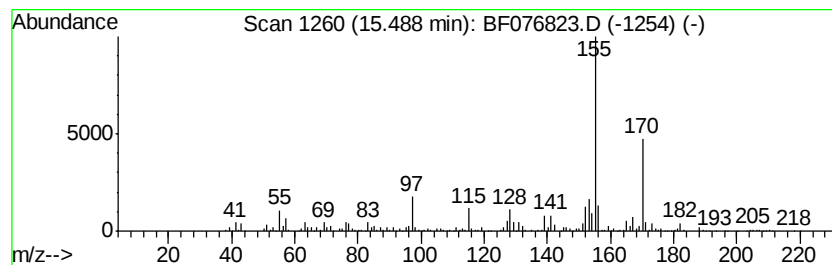
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Naphthalene, 2-(1-methyleth... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.49	51.86 ng	2988040	Acenaphthene-d10	15.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	90
2		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	70
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	70
4		1'-Acetonaphthone	170	C12H10O	000941-98-0	64
5		Ethanone, 1-(5-chloro-2-hydroxyp...	170	C8H7ClO2	001450-74-4	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011215\
Data File : BF076823.D
Acq On : 13 Jan 2015 1:17
Operator : IZ / TP
Sample : F5246-01
Misc : S
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-1

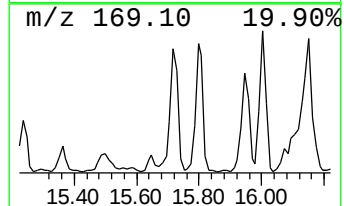
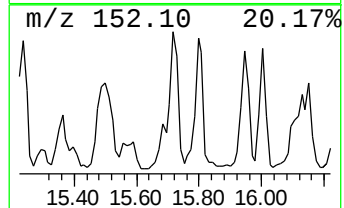
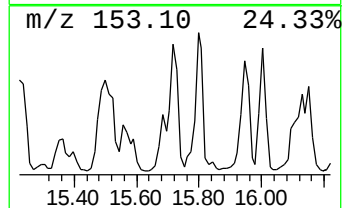
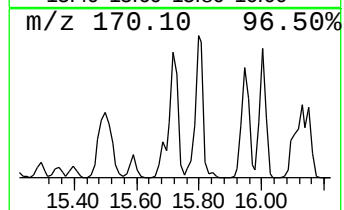
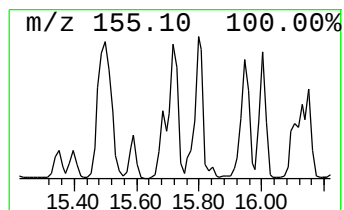
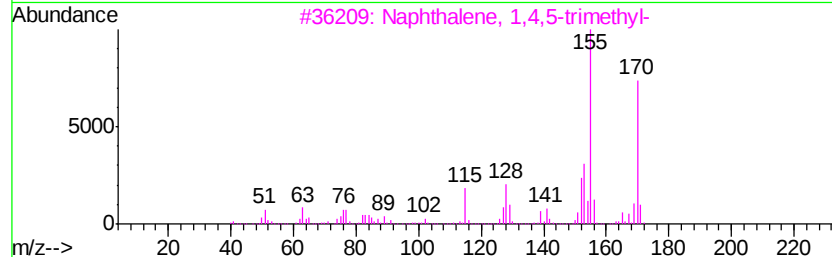
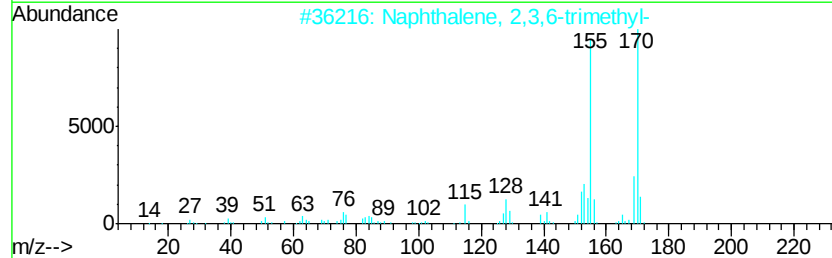
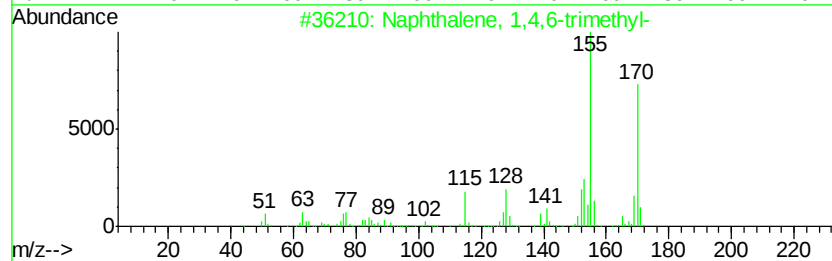
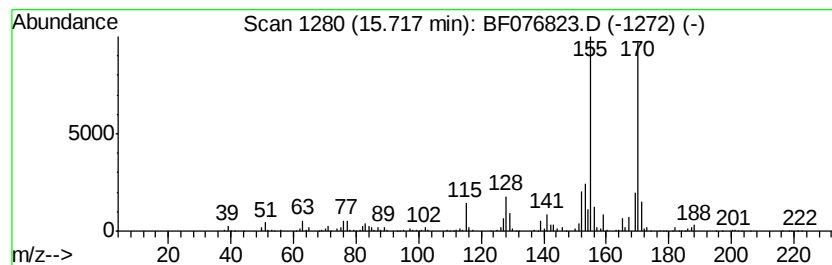
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Naphthalene, 1,4,6-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	47.44 ng	2733210	Acenaphthene-d10	15.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
2		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
3		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
4		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
5		Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011215\
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Acq On : 13 Jan 2015 1:17
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Instrument :
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ClientSampled :
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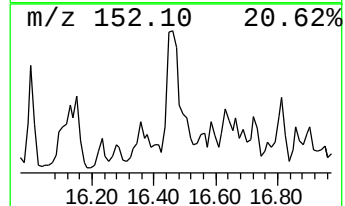
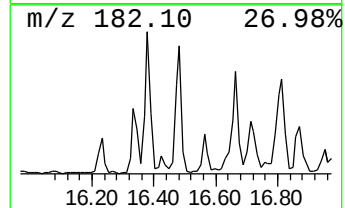
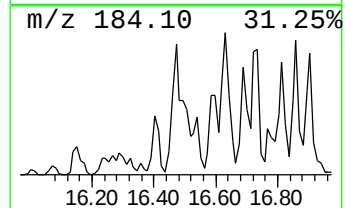
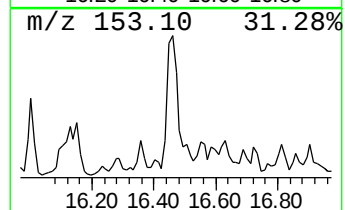
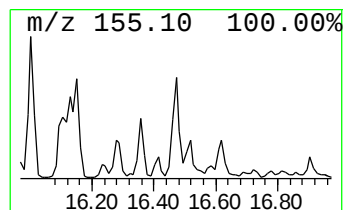
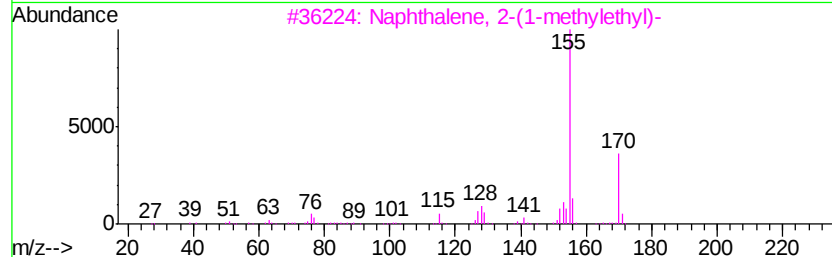
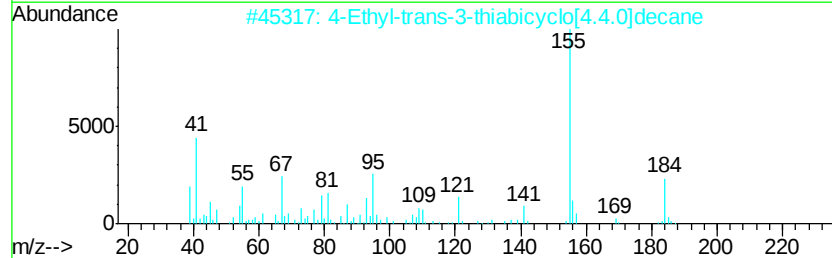
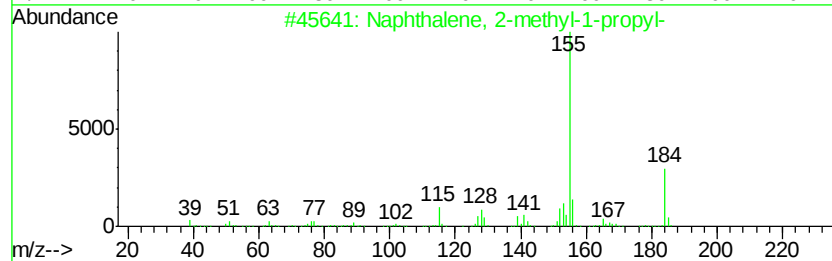
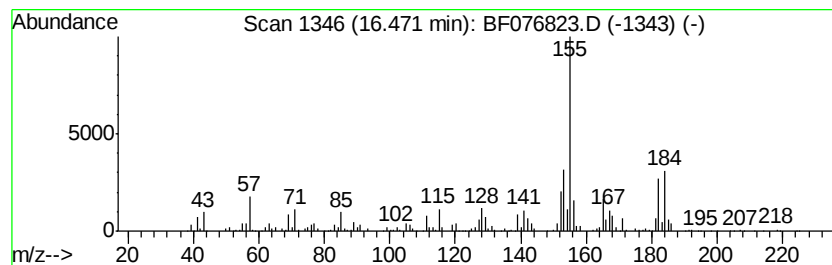
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Naphthalene, 2-methyl-1-pro... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.47	35.07 ng	2020190	Acenaphthene-d10	15.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-1-propyl-	184	C14H16	054774-89-9	92
2		4-Ethyl-trans-3-thiabicyclo[4.4....	184	C11H20S	1000215-94-2	43
3		Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	43
4		Naphthalene, 1-(chloromethyl)-2-...	190	C12H11Cl	006626-23-9	37
5		Pyridine, 4-phenyl-	155	C11H9N	000939-23-1	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011215\
Data File : BF076823.D
Acq On : 13 Jan 2015 1:17
Operator : IZ / TP
Sample : F5246-01
Misc : S
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-1

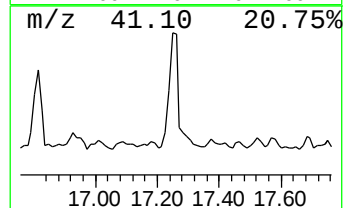
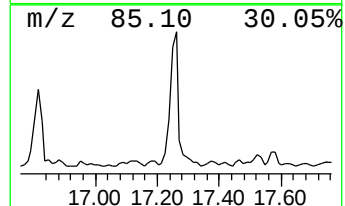
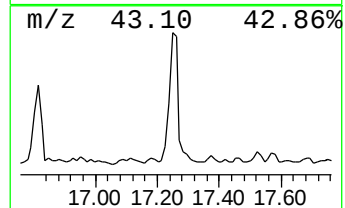
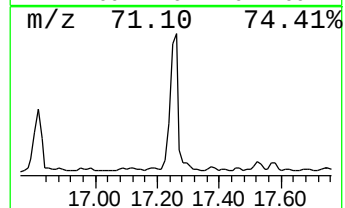
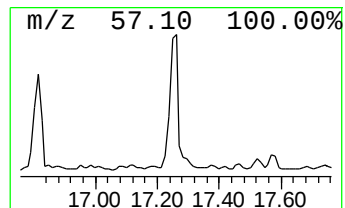
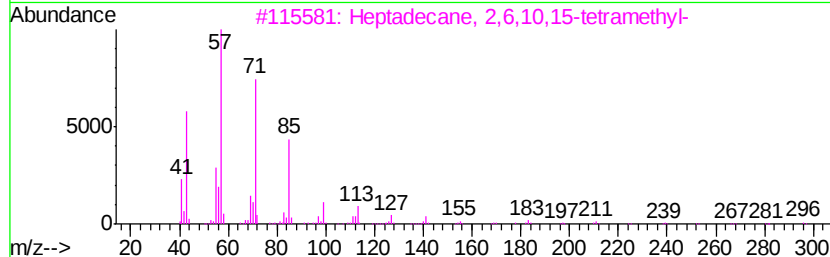
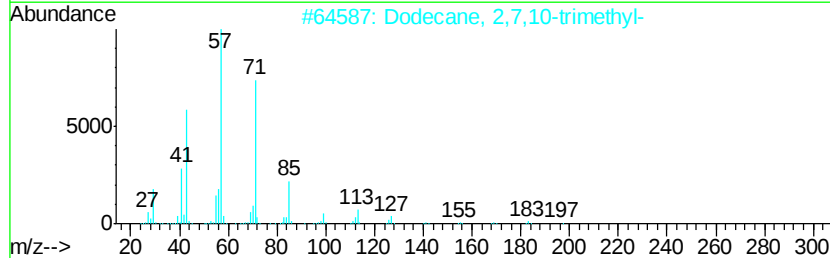
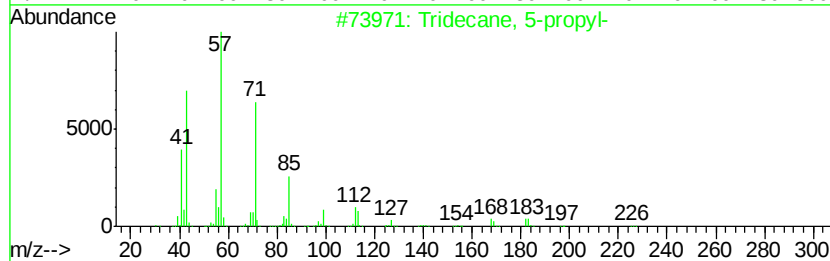
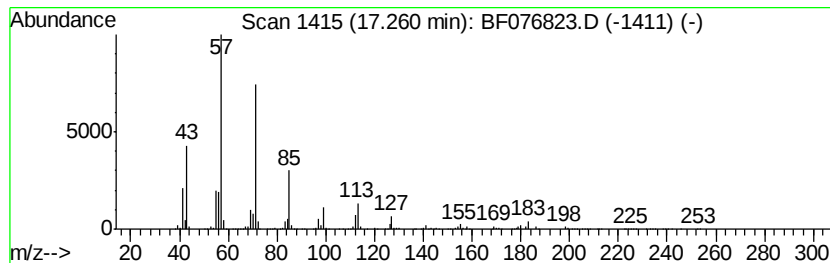
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Tridecane, 5-propyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.26	135.34 ng	4754820	Phenanthrene-d10	17.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 5-propyl-	226	C16H34	055045-11-9	86
2		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
3		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	83
4		Tridecane, 7-methyl-	198	C14H30	026730-14-3	81
5		Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	80



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011215\
Data File : BF076823.D
Acq On : 13 Jan 2015 1:17
Operator : IZ / TP
Sample : F5246-01
Misc : S
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-1

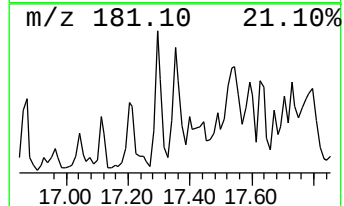
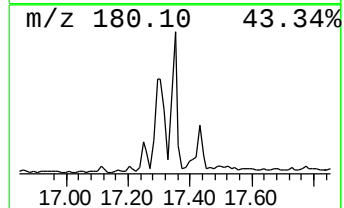
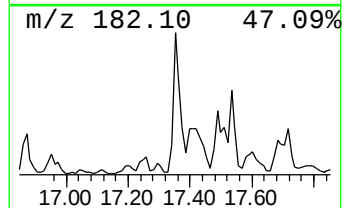
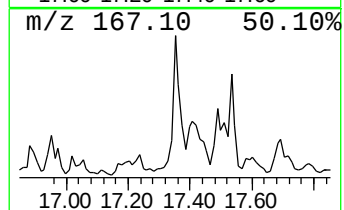
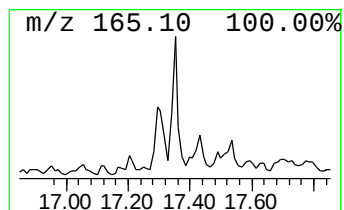
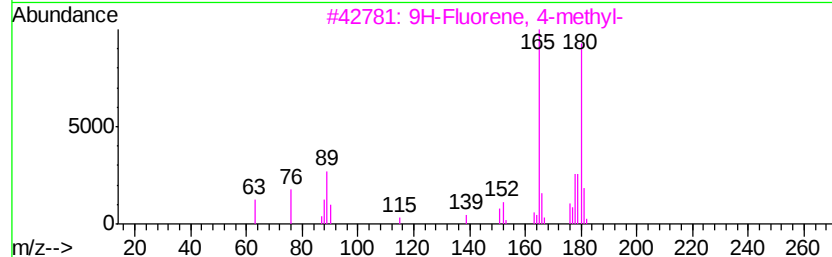
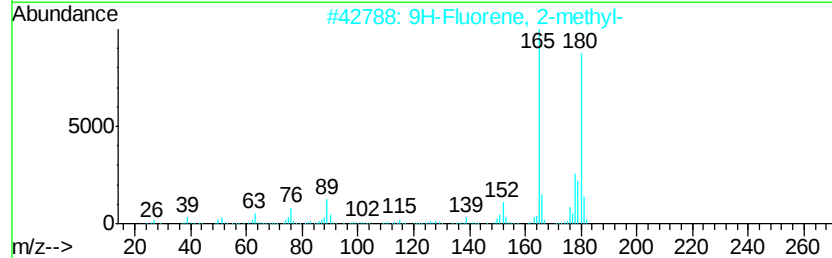
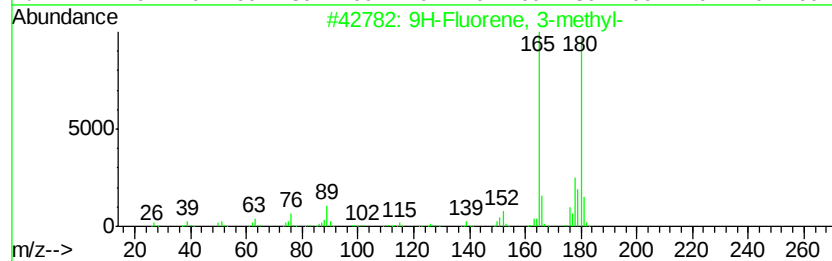
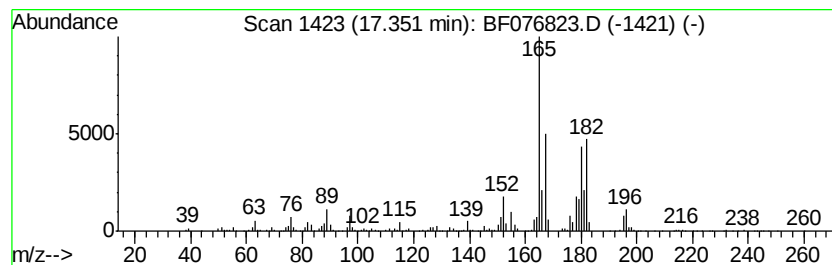
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 9H-Fluorene, 3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.35	46.83 ng	1645190	Phenanthrene-d10	17.88

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	50
2			9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	50
3			9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	43
4			9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	42
5			(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	35



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011215\
Data File : BF076823.D
Acq On : 13 Jan 2015 1:17
Operator : IZ / TP
Sample : F5246-01
Misc : S
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
S-1

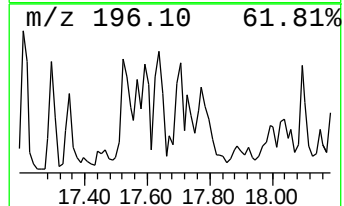
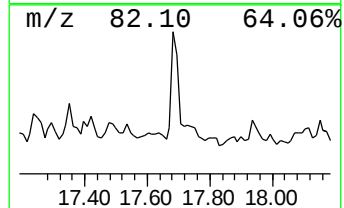
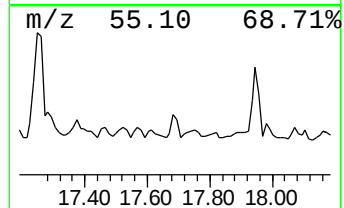
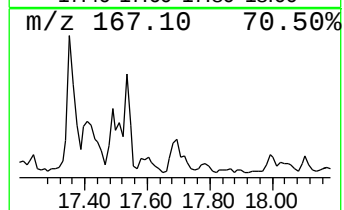
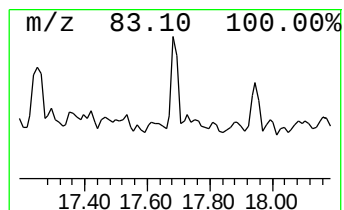
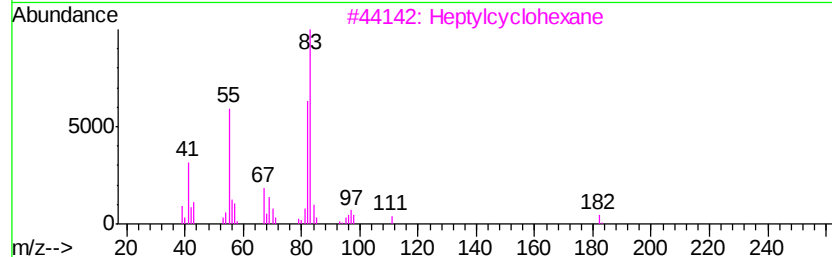
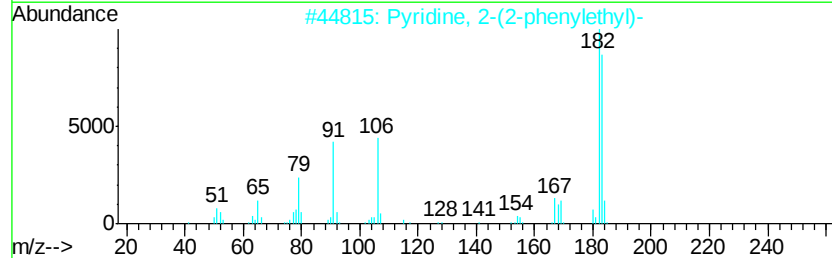
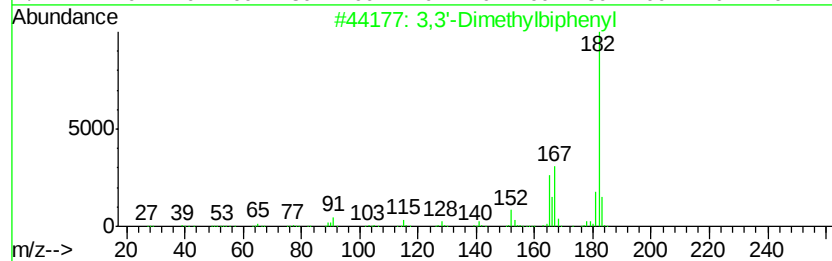
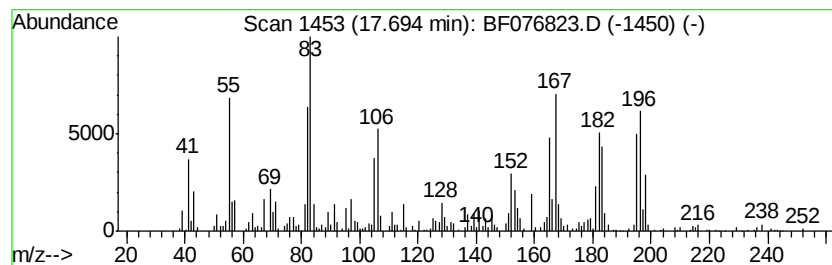
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 unknown17.69 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.69	40.08 ng	1408140	Phenanthrene-d10	17.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	47
2		Pyridine, 2-(2-phenylethyl)-	183	C13H13N	002116-62-3	35
3		Heptylcyclohexane	182	C13H26	005617-41-4	35
4		Cyclohexane, octyl-	196	C14H28	001795-15-9	35
5		Benzene, 1-methyl-2-(phenylmethyl)-	182	C14H14	000713-36-0	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011215\
 Data File : BF076823.D
 Acq On : 13 Jan 2015 1:17
 Operator : IZ / TP
 Sample : F5246-01
 Misc : S
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010915.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
unknown7.59	7.59	43.3	ng	1316390	1	8.09	608661	20.0
Benzene, 1-ethyl-...	8.90	62.7	ng	1907750	1	8.09	608661	20.0
Benzene, 1-methyl...	9.04	43.4	ng	1320360	1	8.09	608661	20.0
Naphthalene, 1,2,...	12.62	39.5	ng	3922340	2	11.01	1986760	20.0
Naphthalene, 1,2,...	13.05	44.3	ng	4396020	2	11.01	1986760	20.0
Naphthalene, 1,2,...	13.36	43.8	ng	2525990	3	15.16	1152250	20.0
Dodecane, 2,6,11-...	13.76	69.2	ng	3986620	3	15.16	1152250	20.0
Naphthalene, 1,2,...	14.01	45.1	ng	2600810	3	15.16	1152250	20.0
Naphthalene, 1-et...	14.07	56.4	ng	3248020	3	15.16	1152250	20.0
Naphthalene, 2,6-...	14.25	90.8	ng	5231790	3	15.16	1152250	20.0
Naphthalene, 2,7-...	14.41	79.1	ng	4559410	3	15.16	1152250	20.0
Naphthalene, 1,7-...	14.47	70.3	ng	4051450	3	15.16	1152250	20.0
Naphthalene, 1,3-...	14.68	42.0	ng	2419680	3	15.16	1152250	20.0
Undecane	14.86	67.9	ng	3914240	3	15.16	1152250	20.0
Naphthalene, 2-(1...	15.49	51.9	ng	2988040	3	15.16	1152250	20.0
Naphthalene, 1,4,...	15.72	47.4	ng	2733210	3	15.16	1152250	20.0
Naphthalene, 2-me...	16.47	35.1	ng	2020190	3	15.16	1152250	20.0
Tridecane, 5-propyl-	17.26	135.3	ng	4754820	4	17.88	702640	20.0
9H-Fluorene, 3-me...	17.35	46.8	ng	1645190	4	17.88	702640	20.0
unknown17.69	17.69	40.1	ng	1408140	4	17.88	702640	20.0