

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
 Data File : BF096763.D
 Acq On : 14 Jul 2017 7:51
 Operator : SJ/JU
 Sample : I4172-08
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-CONCRETE-BATCH-15

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-BF071317.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	4.157	363	369	378	rBV	1162160	1426826	69.06%	3.377%
2	4.822	476	482	485	rBV	1263379	1621762	78.50%	3.838%
3	5.245	550	554	567	rVB	931340	852077	41.24%	2.016%
4	6.281	726	730	740	rBV	1655851	1692204	81.91%	4.005%
5	6.410	748	752	755	rBV	1066902	1002707	48.53%	2.373%
6	6.639	787	791	799	rBV	750089	627652	30.38%	1.485%
7	6.798	813	818	821	rBV	1705267	1606557	77.76%	3.802%
8	7.063	855	863	869	rBV2	53867	75616	3.66%	0.179%
9	7.198	881	886	889	rBV	1302312	1280738	61.99%	3.031%
10	7.598	949	954	956	rBV	131427	155939	7.55%	0.369%
11	7.704	967	972	973	rBV2	82543	103019	4.99%	0.244%
12	7.716	973	974	976	rVB	98261	56834	2.75%	0.135%
13	7.780	982	985	988	rBV	65153	47741	2.31%	0.113%
14	7.880	997	1002	1005	rBV3	89818	127803	6.19%	0.302%
15	7.922	1005	1009	1011	rVV	1060287	944190	45.70%	2.234%
16	7.939	1011	1012	1016	rVV	127873	124591	6.03%	0.295%
17	8.004	1020	1023	1026	rVV	123355	106116	5.14%	0.251%
18	8.092	1034	1038	1041	rBV4	41303	64575	3.13%	0.153%
19	8.192	1053	1055	1057	rVV2	61192	55834	2.70%	0.132%
20	8.228	1058	1061	1064	rVV5	74709	102218	4.95%	0.242%
21	8.280	1068	1070	1073	rBV	126062	112552	5.45%	0.266%
22	8.316	1073	1076	1079	rVB3	90040	88689	4.29%	0.210%
23	8.363	1080	1084	1086	rBV	205118	207139	10.03%	0.490%
24	8.392	1086	1089	1094	rVB4	108354	120555	5.84%	0.285%
25	8.433	1094	1096	1101	rVB5	47724	58632	2.84%	0.139%
26	8.486	1101	1105	1108	rBV3	150622	162896	7.88%	0.386%
27	8.533	1108	1113	1115	rBV2	392975	384374	18.60%	0.910%
28	8.563	1115	1118	1122	rVV3	73708	122733	5.94%	0.290%
29	8.633	1126	1130	1134	rVB	1200900	1154945	55.90%	2.733%
30	8.669	1134	1136	1141	rBV5	61256	75545	3.66%	0.179%
31	8.733	1143	1147	1151	rBV	846580	725708	35.13%	1.717%
32	8.769	1151	1153	1155	rBV	77485	62352	3.02%	0.148%
33	8.816	1158	1161	1162	rBV2	61216	53965	2.61%	0.128%
34	8.839	1162	1165	1167	rBV3	113027	118354	5.73%	0.280%

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Integrator: RTE

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Min Area: 3 % of largest Peak

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

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35	8.863	1167	1169	1173	rVV3	44358	53813	2.60%	0.127%
36	8.898	1173	1175	1177	rVV	60928	56335	2.73%	0.133%
37	8.939	1180	1182	1184	rBV2	59381	69926	3.38%	0.165%
38	8.963	1184	1186	1188	rVV	259401	183658	8.89%	0.435%
39	8.998	1188	1192	1195	rVV	2324451	2065984	100.00%	4.889%
40	9.051	1197	1201	1203	rBV	148646	145083	7.02%	0.343%
41	9.098	1203	1209	1212	rVV	758420	815890	39.49%	1.931%
42	9.145	1215	1217	1221	rVV3	103790	116534	5.64%	0.276%
43	9.192	1221	1225	1231	rVB	556449	692591	33.52%	1.639%
44	9.269	1232	1238	1243	rBV	970854	1485596	71.91%	3.516%
45	9.333	1243	1249	1252	rBV	1232348	1464496	70.89%	3.466%
46	9.363	1252	1254	1256	rVV	901999	704255	34.09%	1.667%
47	9.392	1256	1259	1261	rVV2	918617	862664	41.76%	2.042%
48	9.416	1261	1263	1265	rVV	543725	364041	17.62%	0.862%
49	9.451	1265	1269	1275	rVB2	652065	836634	40.50%	1.980%
50	9.533	1279	1283	1288	rBV2	319904	437768	21.19%	1.036%
51	9.586	1289	1292	1295	rVB	384789	379588	18.37%	0.898%
52	9.622	1295	1298	1301	rVB	790607	720659	34.88%	1.705%
53	9.674	1301	1307	1309	rBV2	851003	1097536	53.12%	2.597%
54	9.698	1309	1311	1312	rBV	79424	59105	2.86%	0.140%
55	9.716	1312	1314	1316	rVB2	103343	84401	4.09%	0.200%
56	9.780	1321	1325	1330	rVV	586811	820709	39.72%	1.942%
57	9.822	1330	1332	1335	rVV2	190286	141484	6.85%	0.335%
58	9.851	1335	1337	1338	rVV	68790	57541	2.79%	0.136%
59	9.880	1338	1342	1345	rVV	869903	898387	43.48%	2.126%
60	9.922	1345	1349	1351	rVV	732834	672502	32.55%	1.592%
61	9.945	1351	1353	1356	rVB3	252426	226295	10.95%	0.536%
62	9.992	1357	1361	1364	rBV	523485	552766	26.76%	1.308%
63	10.022	1364	1366	1369	rVB	676547	487057	23.58%	1.153%
64	10.051	1369	1371	1372	rBV2	77249	64174	3.11%	0.152%
65	10.086	1372	1377	1378	rVV3	419134	618546	29.94%	1.464%
66	10.121	1381	1383	1387	rVB	882550	653987	31.65%	1.548%
67	10.216	1396	1399	1401	rBV2	251526	211752	10.25%	0.501%
68	10.245	1401	1404	1406	rVV2	194903	219111	10.61%	0.519%
69	10.280	1408	1410	1412	rVV2	171350	136296	6.60%	0.323%
70	10.310	1412	1415	1417	rVV3	112755	123581	5.98%	0.292%
71	10.339	1417	1420	1423	rVV2	508921	588430	28.48%	1.393%

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72	10.369	1423	1425	1427	rVV2	181203	172564	8.35%	0.408%
73	10.392	1427	1429	1431	rVB	208494	161528	7.82%	0.382%
74	10.421	1431	1434	1436	rBV2	125009	137758	6.67%	0.326%
75	10.451	1436	1439	1444	rVB5	219312	375586	18.18%	0.889%
76	10.498	1444	1447	1450	rBV2	199240	212445	10.28%	0.503%
77	10.592	1460	1463	1465	rBV2	819329	896363	43.39%	2.121%
78	10.663	1472	1475	1477	rBV	128375	105593	5.11%	0.250%
79	10.686	1477	1479	1484	rVB3	72456	88730	4.29%	0.210%
80	10.792	1494	1497	1499	rBV3	110542	116700	5.65%	0.276%
81	10.821	1499	1502	1504	rVB2	93375	75223	3.64%	0.178%
82	10.880	1510	1512	1513	rBV2	59522	54888	2.66%	0.130%
83	10.921	1513	1519	1522	rVV5	71245	164897	7.98%	0.390%
84	11.039	1536	1539	1541	rVV	449447	353186	17.10%	0.836%
85	11.069	1541	1544	1551	rVB	272901	311858	15.09%	0.738%
86	11.151	1554	1558	1560	rVV	750126	594571	28.78%	1.407%
87	11.174	1560	1562	1568	rVV3	115123	105802	5.12%	0.250%
88	11.221	1568	1570	1574	rVB3	49119	50138	2.43%	0.119%
89	11.421	1601	1604	1608	rBV	76224	96311	4.66%	0.228%
90	11.463	1608	1611	1616	rVB	199769	196034	9.49%	0.464%
91	11.651	1640	1643	1646	rBV2	43658	47771	2.31%	0.113%
92	11.868	1677	1680	1684	rVB	76639	70834	3.43%	0.168%
93	12.257	1743	1746	1749	rVB	86483	80544	3.90%	0.191%
94	12.357	1760	1763	1768	rBV2	63390	106132	5.14%	0.251%
95	12.627	1806	1809	1811	rBV	51089	47724	2.31%	0.113%
96	12.733	1823	1827	1831	rBV	1642207	1621203	78.47%	3.837%
97	13.327	1925	1928	1931	rBV2	54496	66219	3.21%	0.157%
98	13.639	1978	1981	1985	rVB2	126719	146943	7.11%	0.348%
99	13.780	2000	2005	2008	rBV	612329	671885	32.52%	1.590%
100	15.162	2237	2240	2245	rVB	377932	433534	20.98%	1.026%

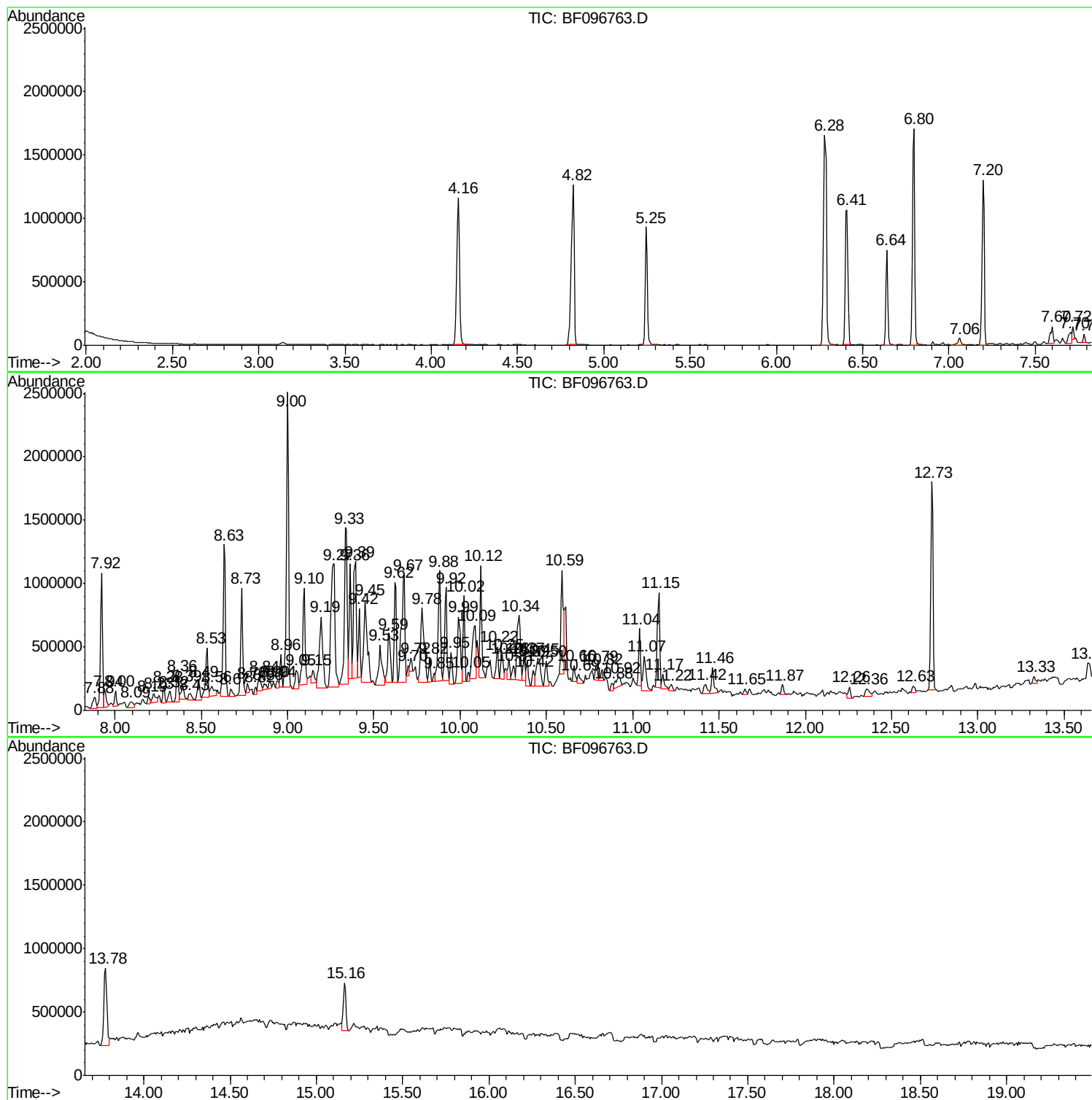
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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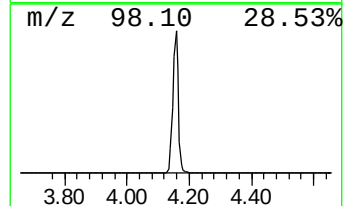
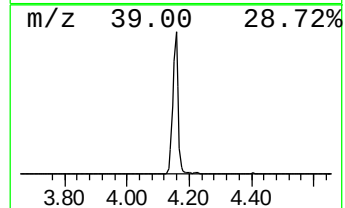
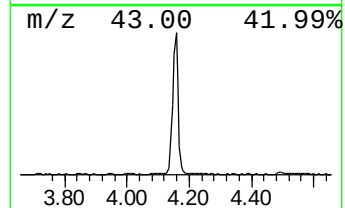
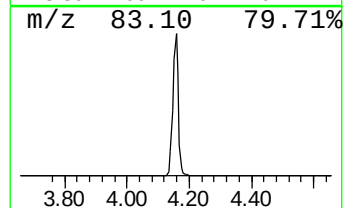
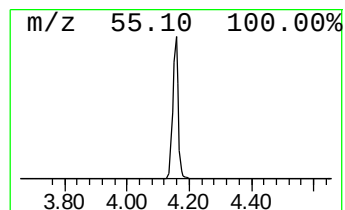
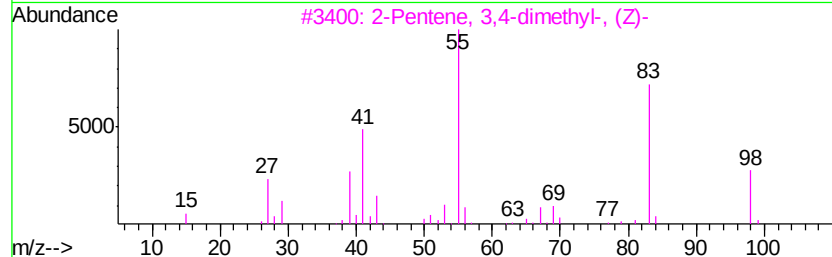
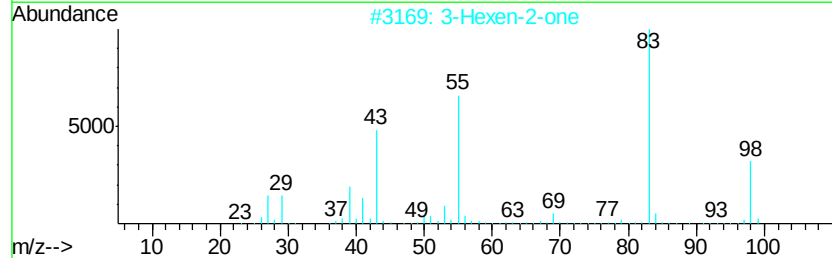
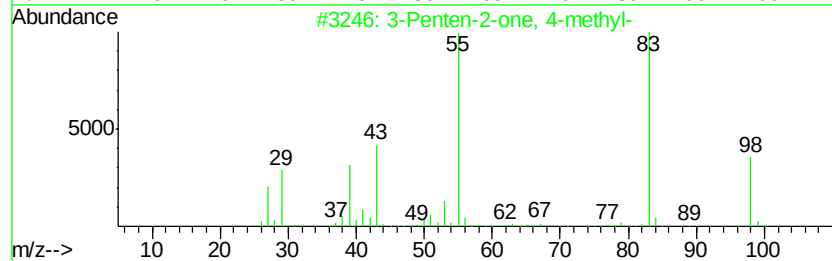
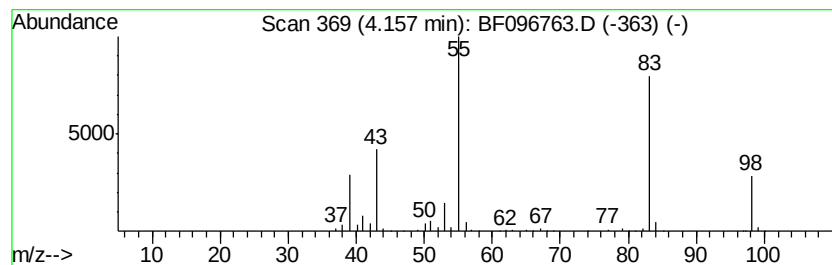
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.16	45.47 ng	1426830	1,4-Dichlorobenzene-d4	6.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2		3-Hexen-2-one	98	C6H10O	000763-93-9	87
3		2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	78
4		2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	78
5		2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	72



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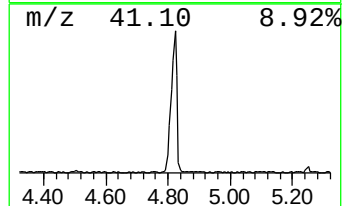
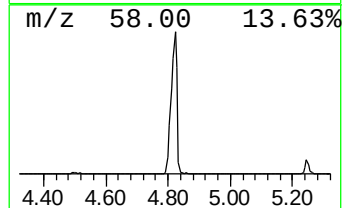
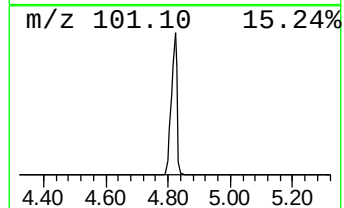
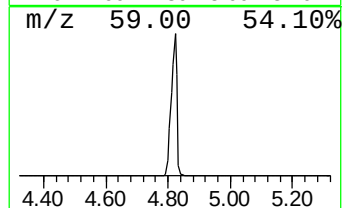
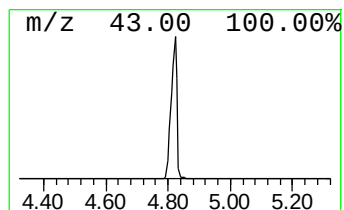
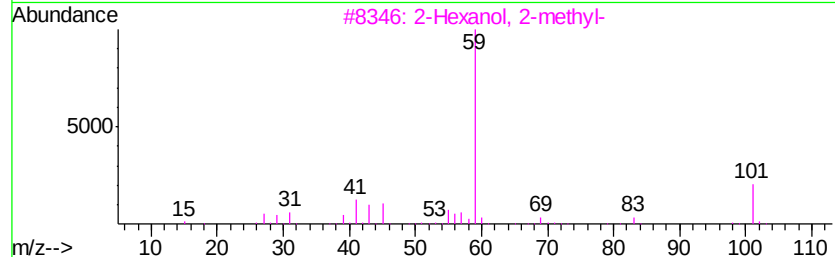
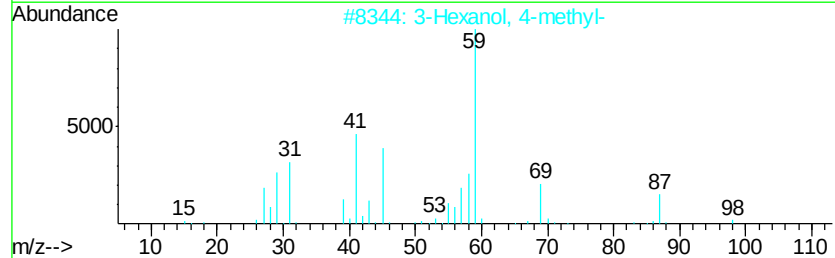
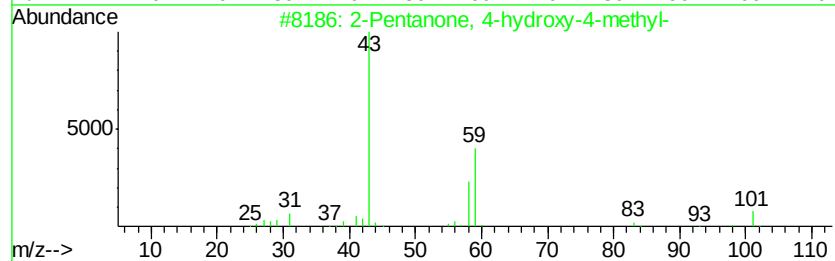
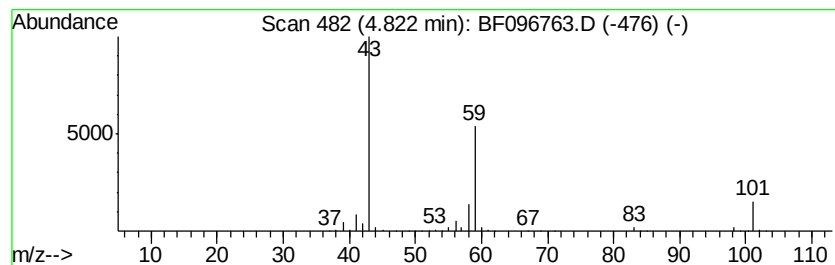
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.82	51.68 ng	1621760	1,4-Dichlorobenzene-d4	6.64

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
4			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
5			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9



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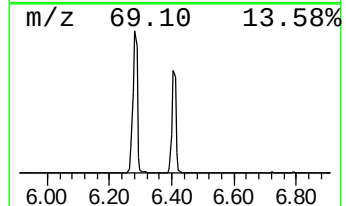
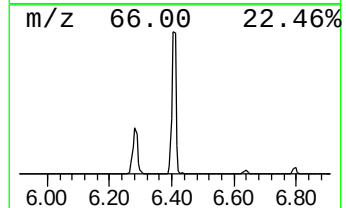
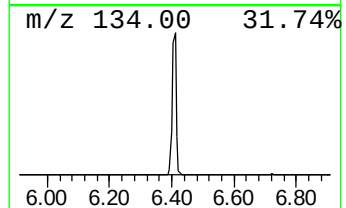
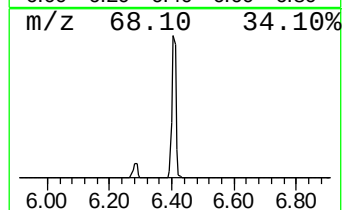
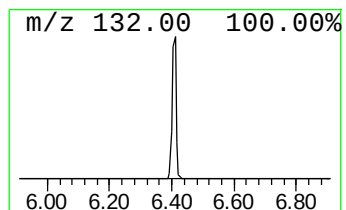
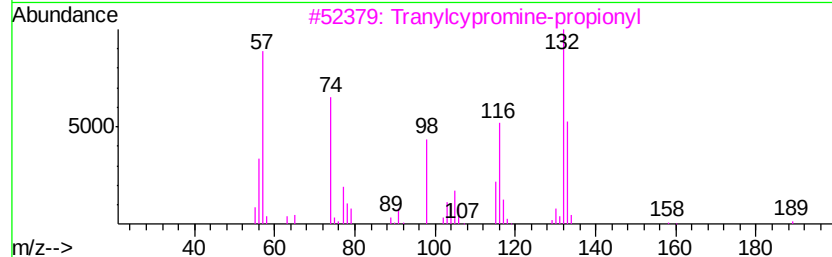
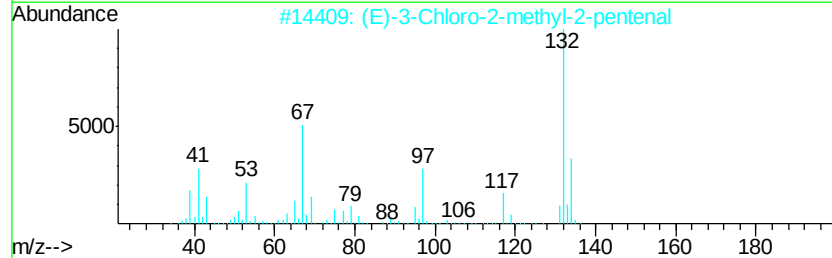
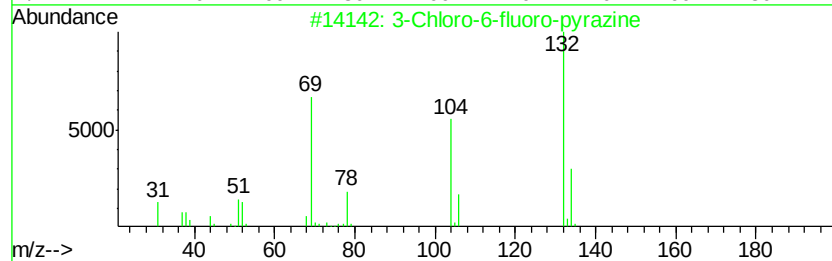
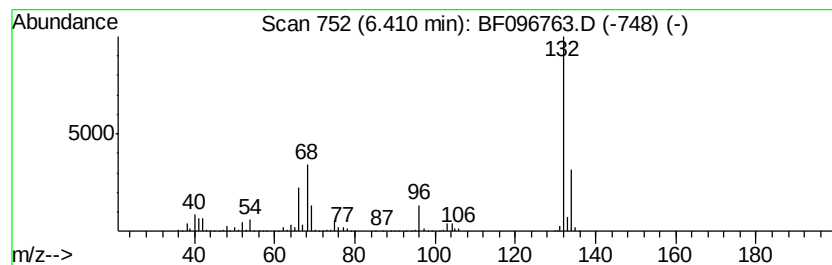
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TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown6.41 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.41	31.95 ng	1002710	1,4-Dichlorobenzene-d4	6.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4		Amphetaminil	250	C17H18N2	017590-01-1	12
5		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
Data File : BF096763.D
Acq On : 14 Jul 2017 7:51
Operator : SJ/JU
Sample : I4172-08
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
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ClientSampleId :
E2-CONCRETE-BATCH-15

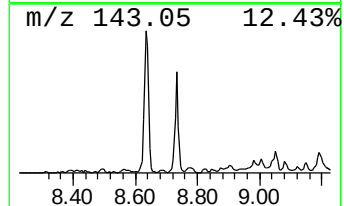
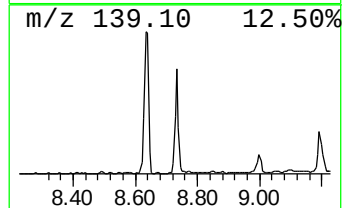
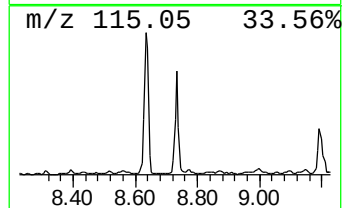
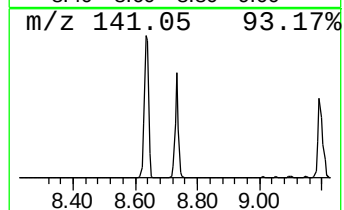
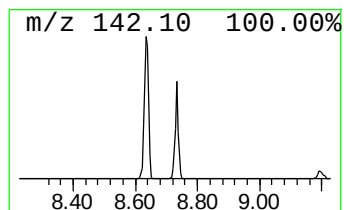
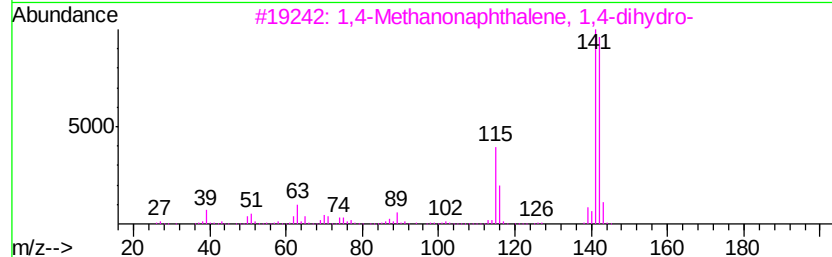
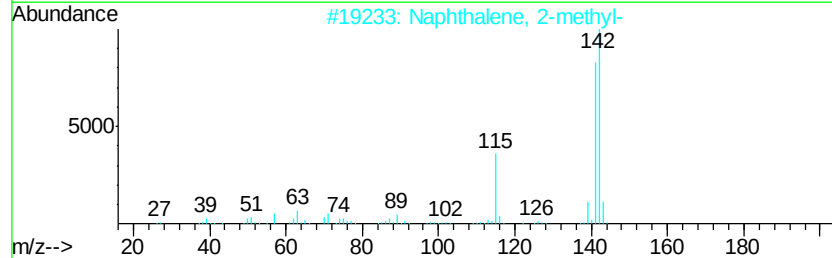
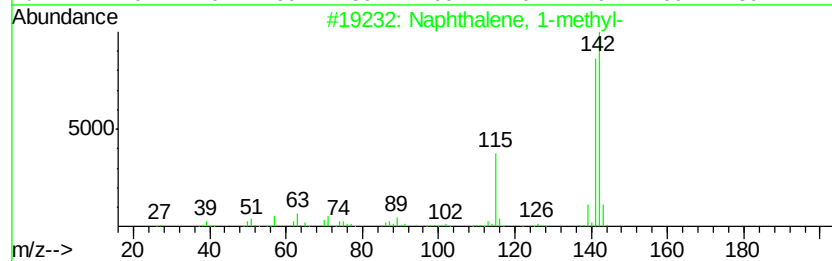
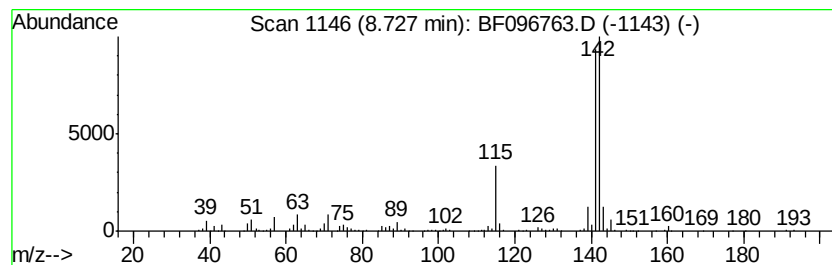
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.73	15.37 ng	725708	Naphthalene-d8	7.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4		Benzocycloheptatriene	142	C11H10	000264-09-5	91
5		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
Data File : BF096763.D
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ClientSampleId :
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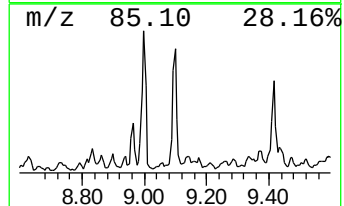
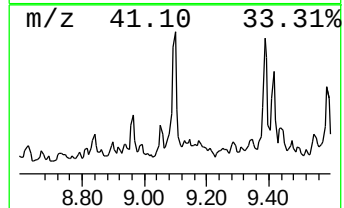
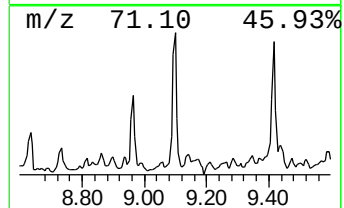
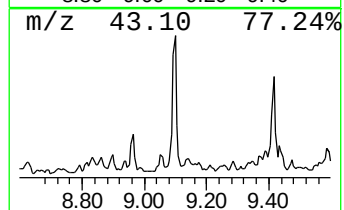
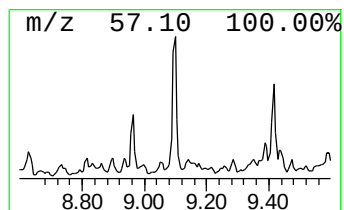
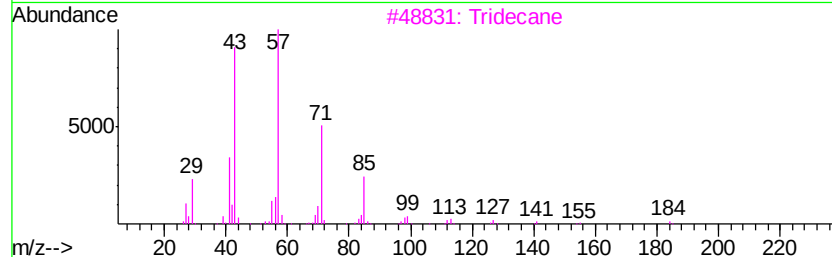
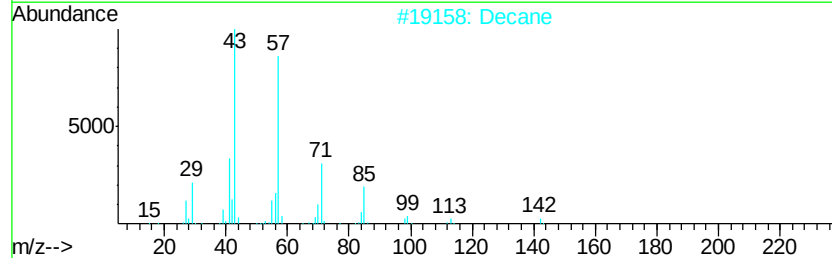
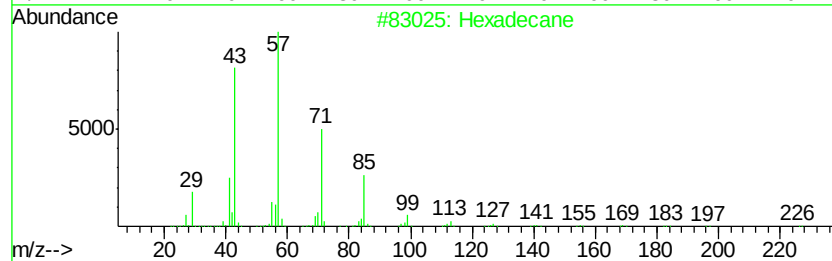
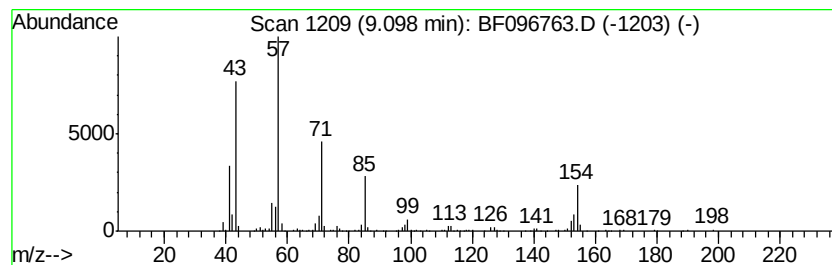
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Hexadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.10	14.87 ng	815890	Acenaphthene-d10	9.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	74
2		Decane	142	C10H22	000124-18-5	74
3		Tridecane	184	C13H28	000629-50-5	72
4		Tetradecane	198	C14H30	000629-59-4	60
5		Nonane, 1-iodo-	254	C9H19I	004282-42-2	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
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Acq On : 14 Jul 2017 7:51
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Sample : I4172-08
Misc :
ALS Vial : 43 Sample Multiplier: 1

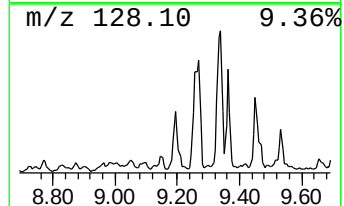
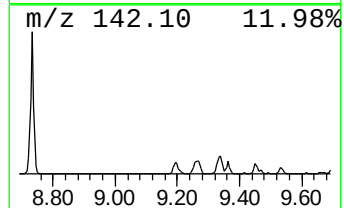
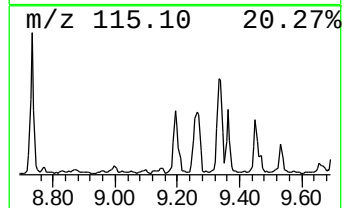
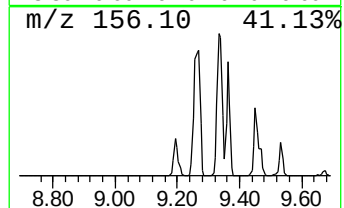
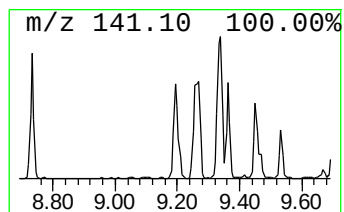
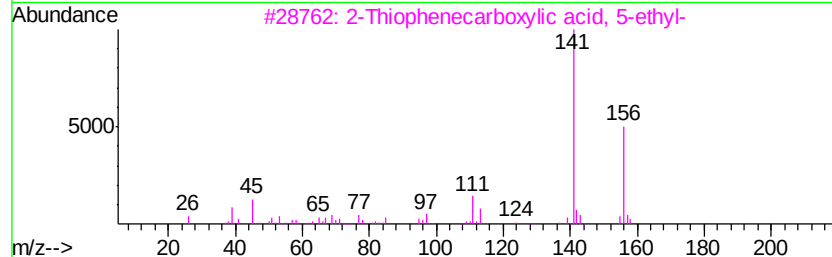
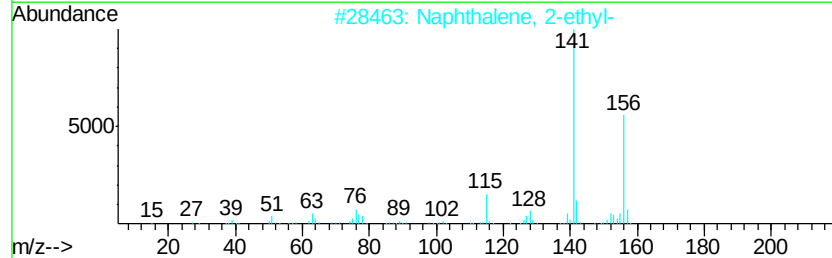
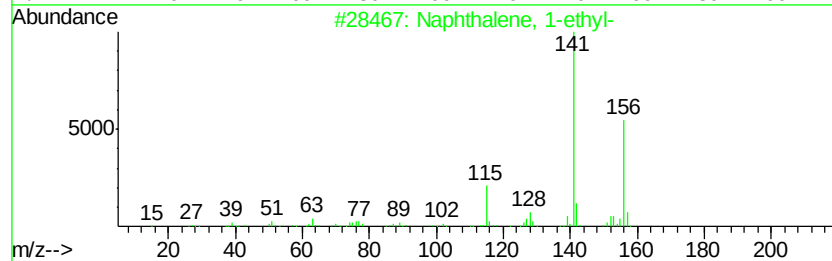
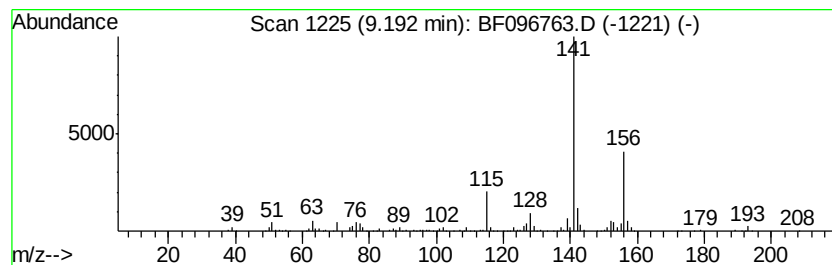
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 2-ethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.19	12.62 ng	692591	Acenaphthene-d10	9.67
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1-ethyl-	156 C12H12	001127-76-0 97
2		Naphthalene, 2-ethyl-	156 C12H12	000939-27-5 96
3		2-Thiophenecarboxylic acid, 5-et...	156 C7H8O2S	023229-72-3 64
4		Naphthalene, 1-propyl-	170 C13H14	002765-18-6 59
5		Methyl phenylphosphinic acid	156 C7H9O2P	004271-13-0 53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
Data File : BF096763.D
Acq On : 14 Jul 2017 7:51
Operator : SJ/JU
Sample : I4172-08
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Instrument :
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ClientSampleId :
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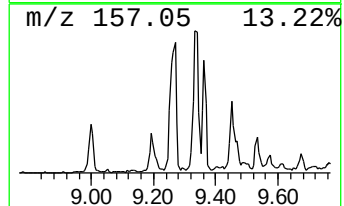
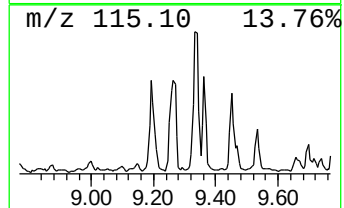
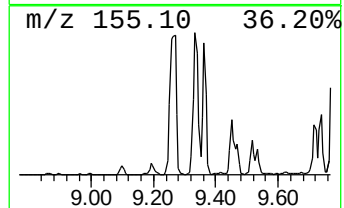
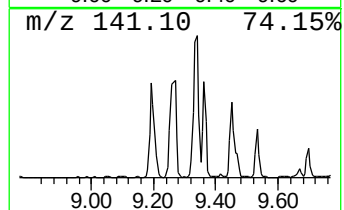
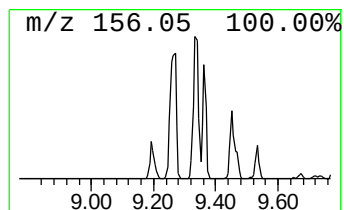
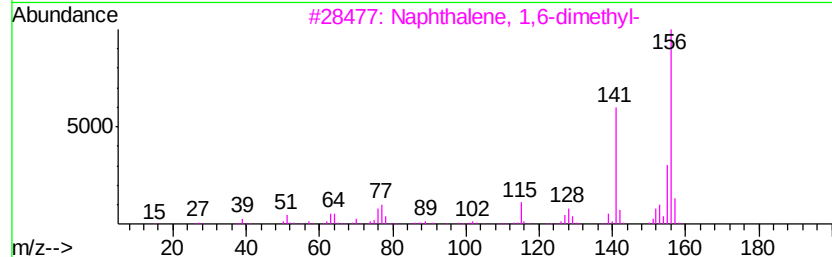
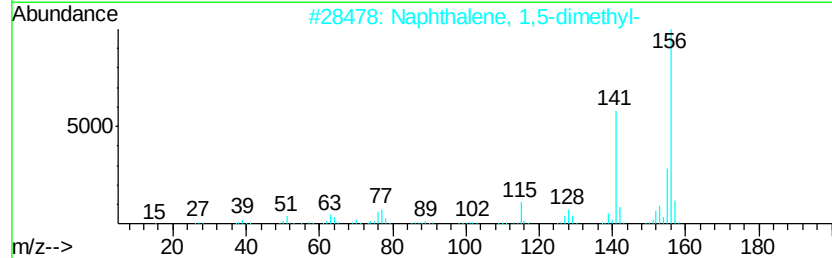
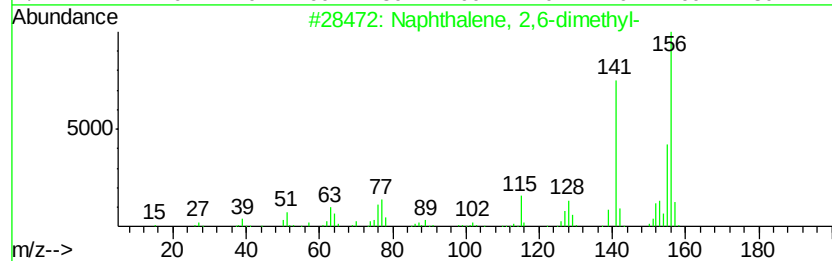
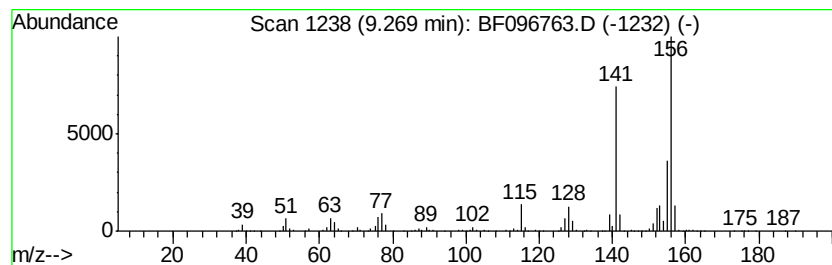
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 2,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.27	27.07 ng	1485600	Acenaphthene-d10	9.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	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\BF071317\
Data File : BF096763.D
Acq On : 14 Jul 2017 7:51
Operator : SJ/JU
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Misc :
ALS Vial : 43 Sample Multiplier: 1

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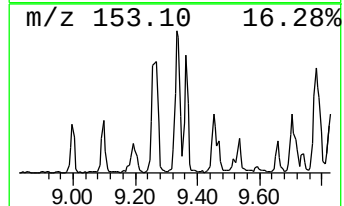
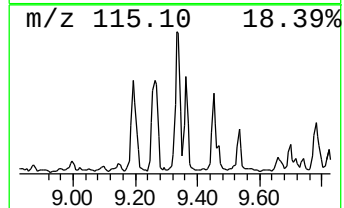
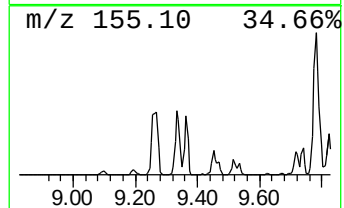
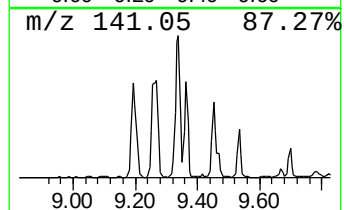
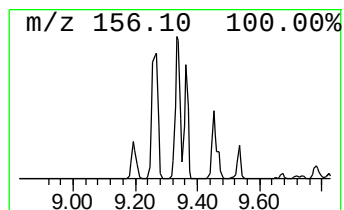
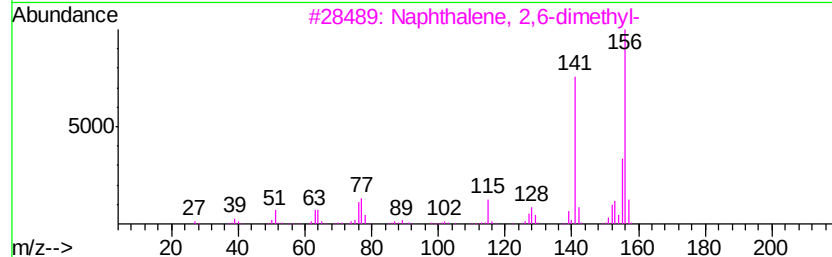
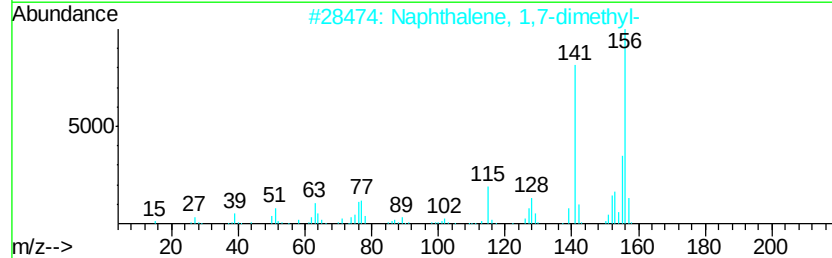
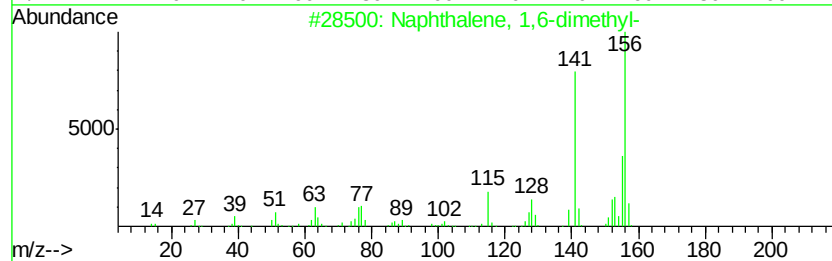
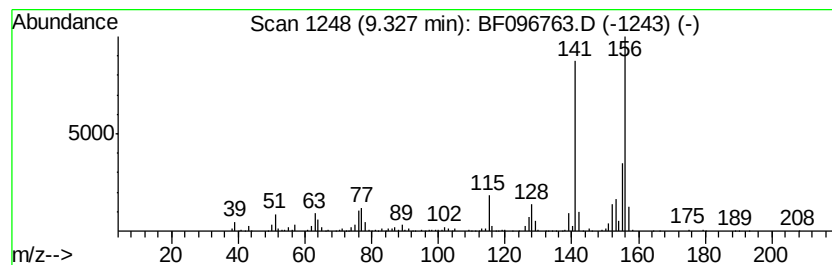
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 1,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.33	26.69 ng	1464500	Acenaphthene-d10	9.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
3		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
Data File : BF096763.D
Acq On : 14 Jul 2017 7:51
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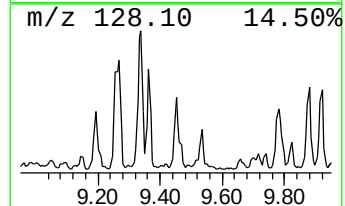
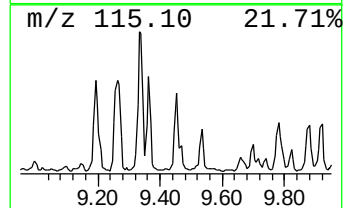
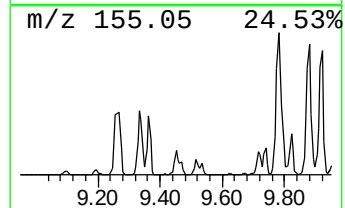
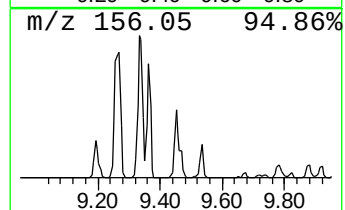
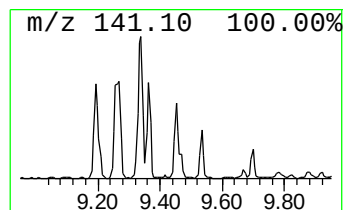
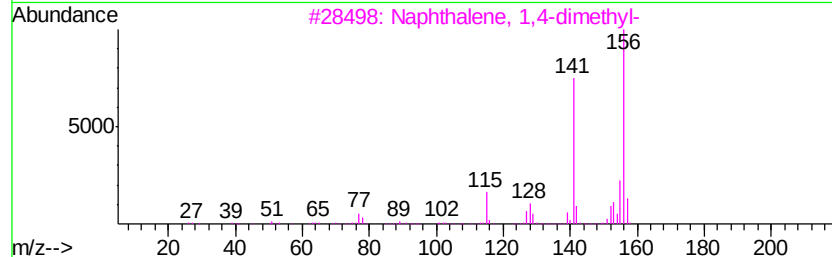
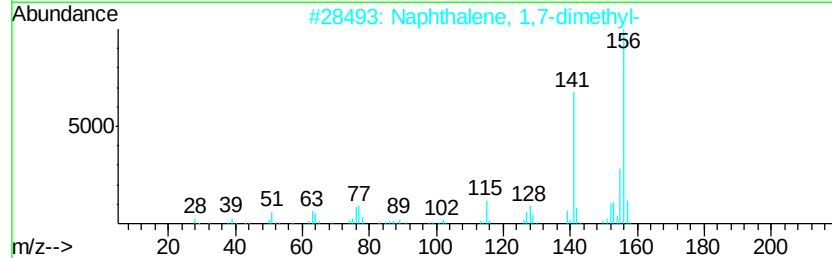
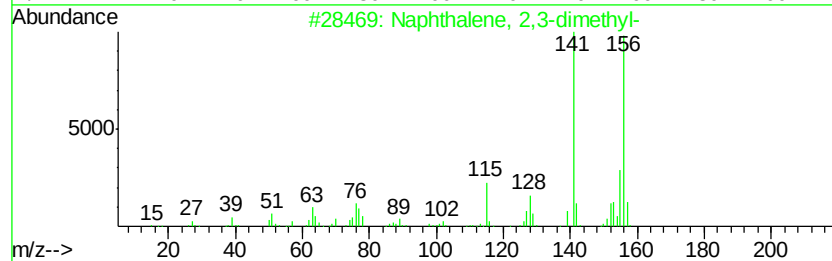
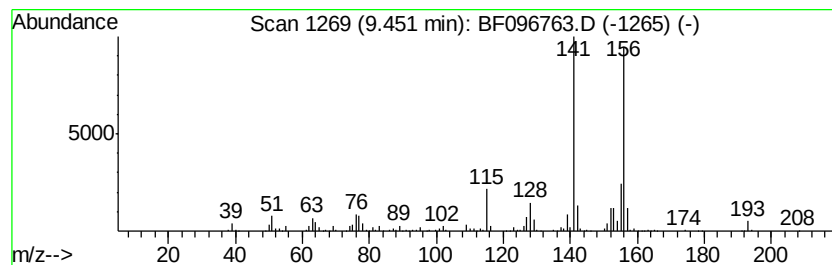
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Naphthalene, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.45	15.25 ng	836634	Acenaphthene-d10	9.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
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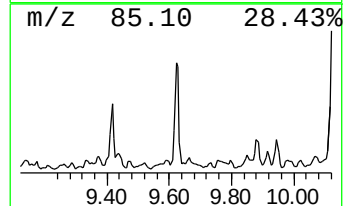
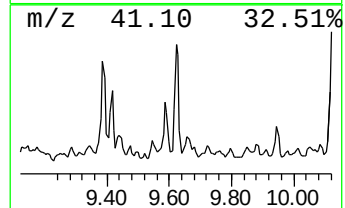
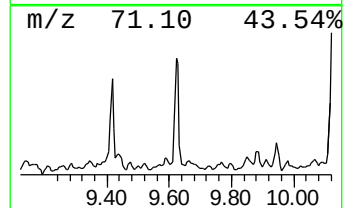
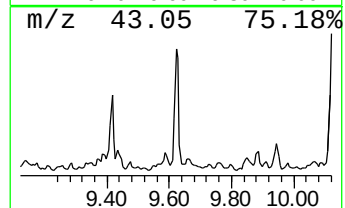
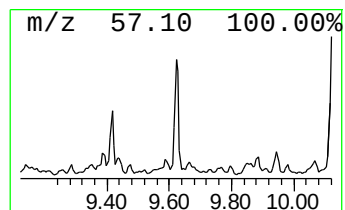
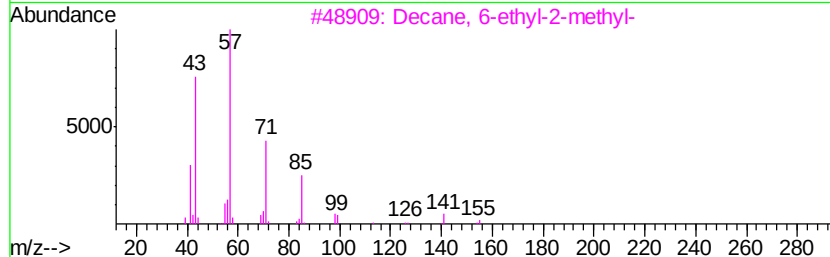
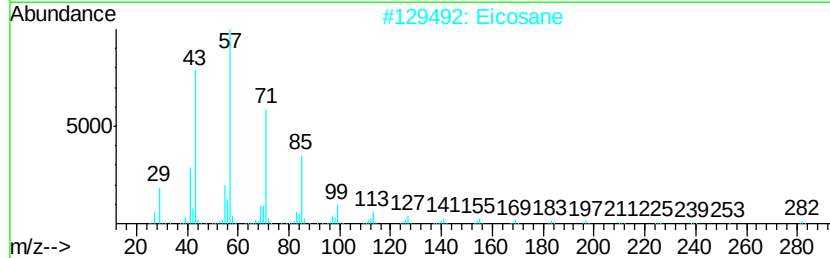
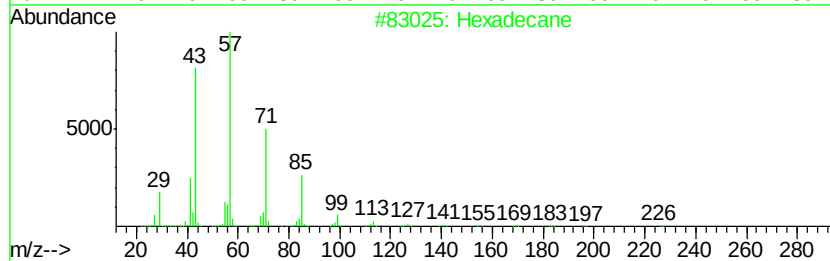
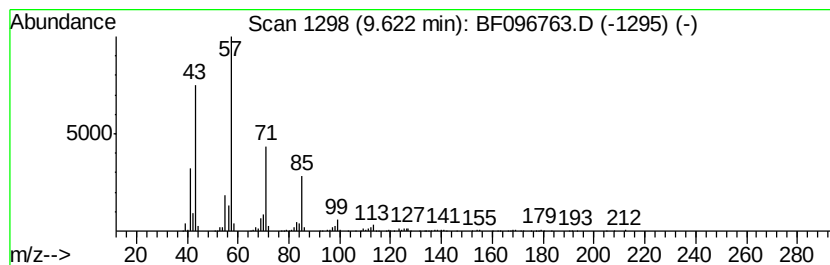
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ClientSampleId :
E2-CONCRETE-BATCH-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Decane, 6-ethyl-2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.62	13.13 ng	720659	Acenaphthene-d10	9.67
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Hexadecane	226 C16H34	000544-76-3	91
2	Eicosane	282 C20H42	000112-95-8	86
3	Decane, 6-ethyl-2-methyl-	184 C13H28	062108-21-8	83
4	Octadecane	254 C18H38	000593-45-3	72
5	Dodecane, 2-methyl-6-propyl-	226 C16H34	055045-08-4	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
Data File : BF096763.D
Acq On : 14 Jul 2017 7:51
Operator : SJ/JU
Sample : I4172-08
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-15

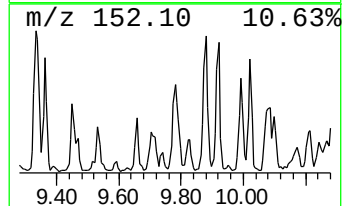
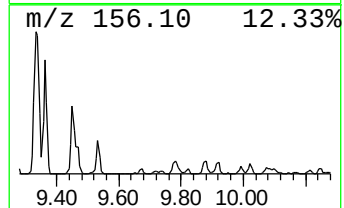
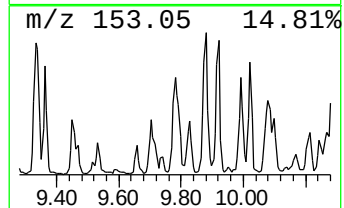
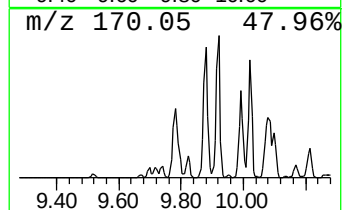
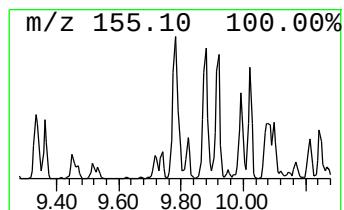
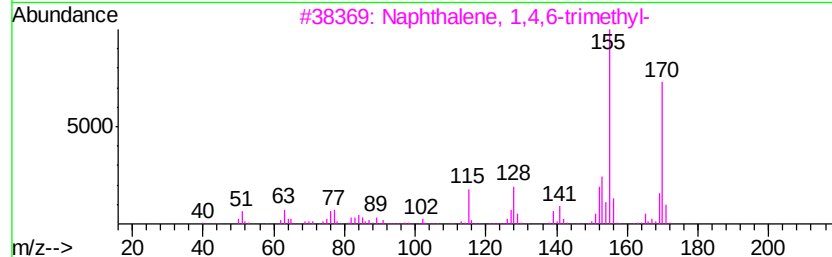
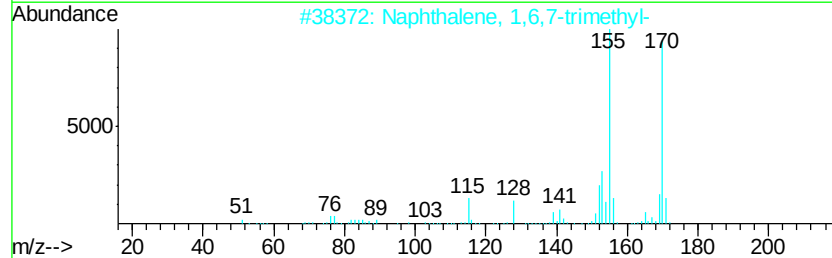
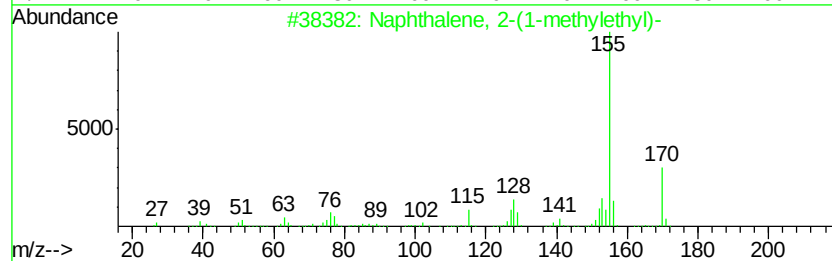
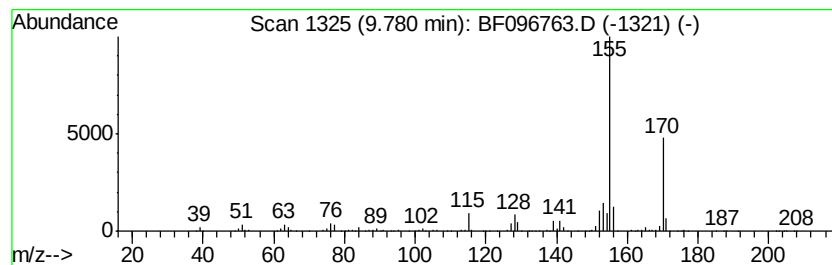
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 2-(1-methyleth... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.78	14.96 ng	820709	Acenaphthene-d10	9.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
2		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	76
3		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	76
4		Ethanone, 1-(5-chloro-2-hydroxyp...	170	C8H7ClO2	001450-74-4	72
5		Ethanone, 1-(1-Naphthalenyl)-	170	C12H10O	000941-98-0	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
Data File : BF096763.D
Acq On : 14 Jul 2017 7:51
Operator : SJ/JU
Sample : I4172-08
Misc :
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Instrument :
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ClientSampleId :
E2-CONCRETE-BATCH-15

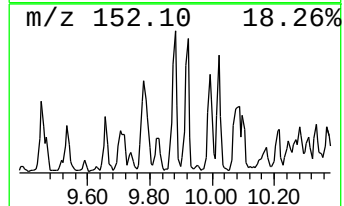
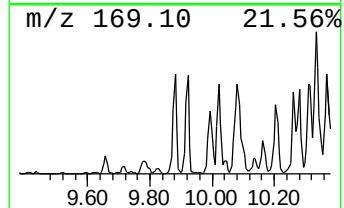
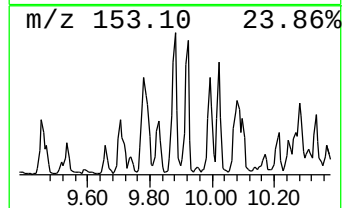
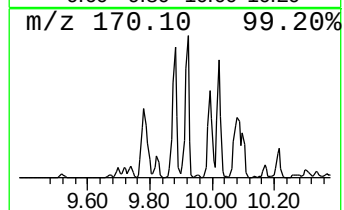
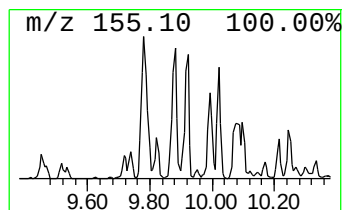
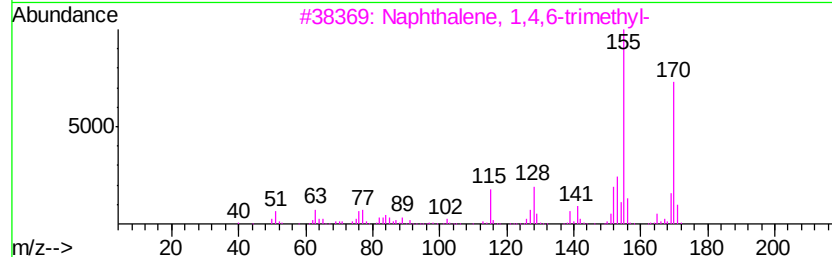
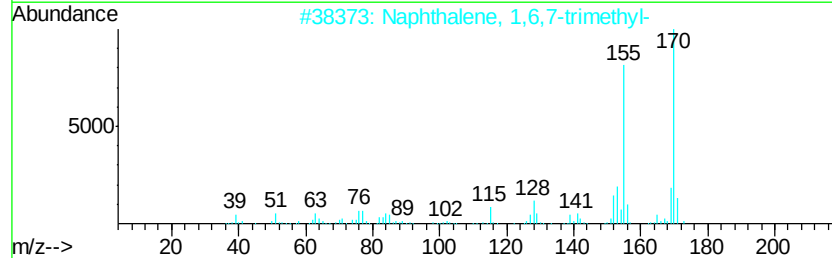
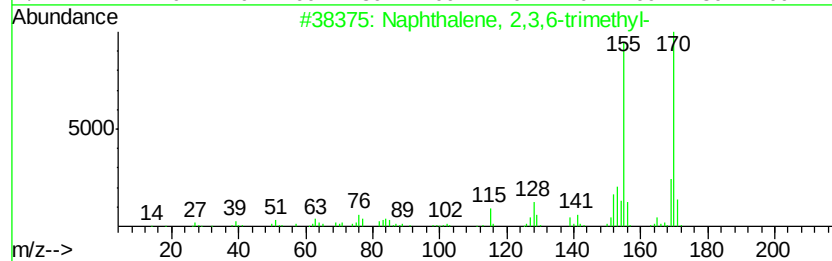
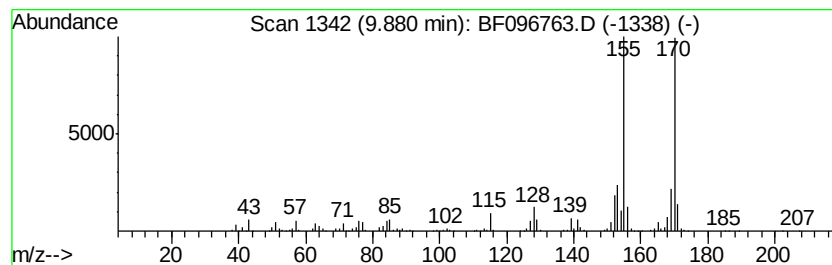
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphthalene, 2,3,6-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.88	16.37 ng	898387	Acenaphthene-d10	9.67

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
Data File : BF096763.D
Acq On : 14 Jul 2017 7:51
Operator : SJ/JU
Sample : I4172-08
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
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ClientSampleId :
E2-CONCRETE-BATCH-15

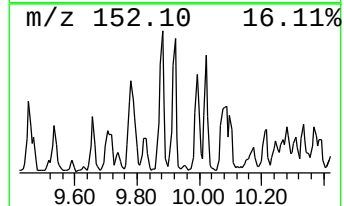
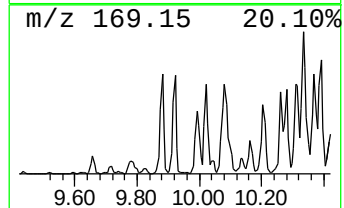
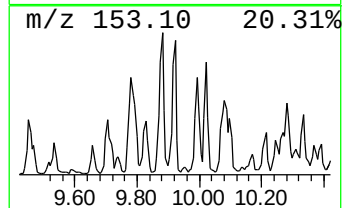
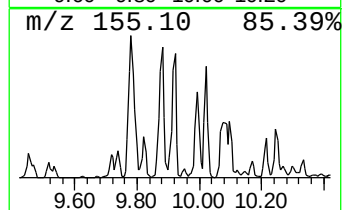
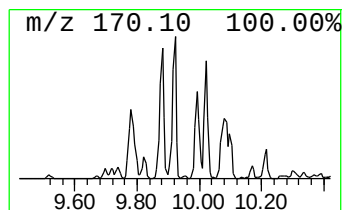
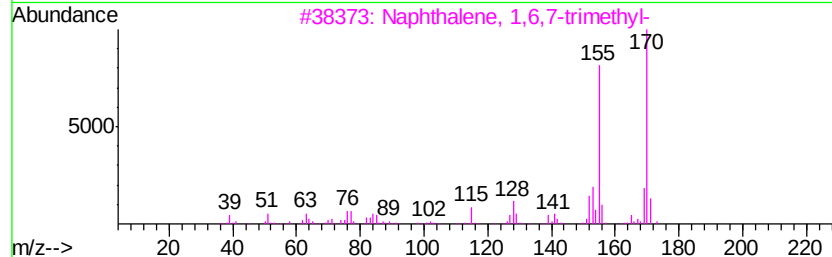
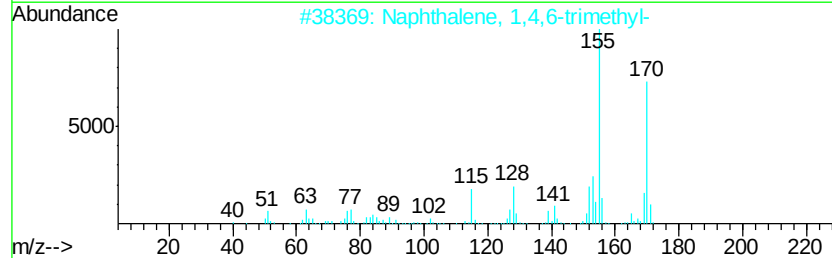
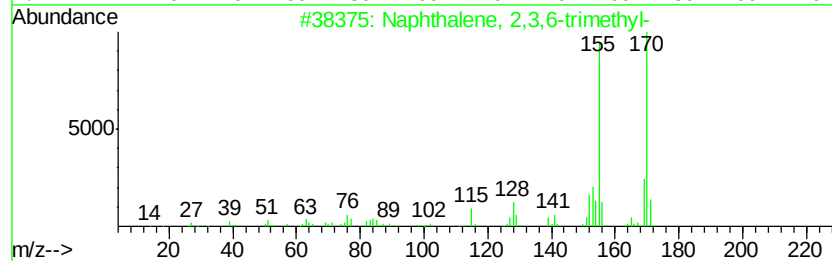
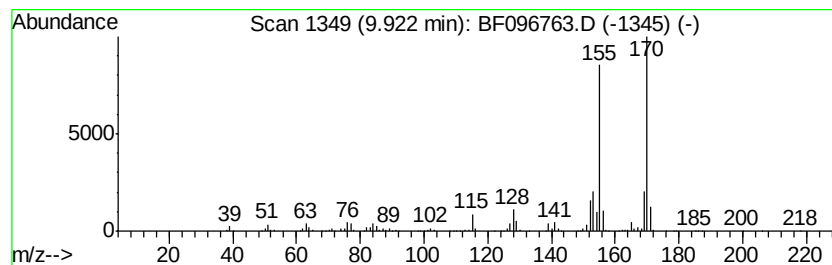
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Naphthalene, 1,4,6-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.92	12.25 ng	672502	Acenaphthene-d10	9.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
4		4,6,8-Trimethylazulene	170	C13H14	000941-81-1	94
5		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
Data File : BF096763.D
Acq On : 14 Jul 2017 7:51
Operator : SJ/JU
Sample : I4172-08
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
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ClientSampleId :
E2-CONCRETE-BATCH-15

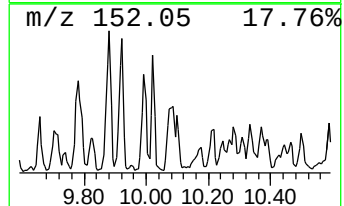
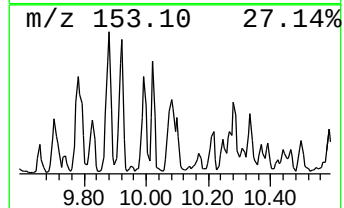
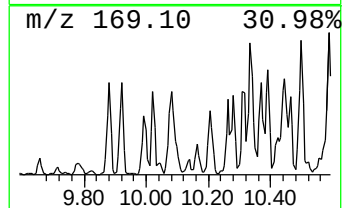
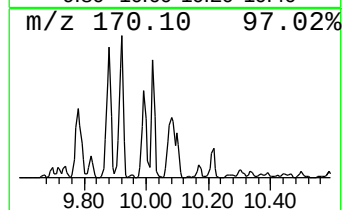
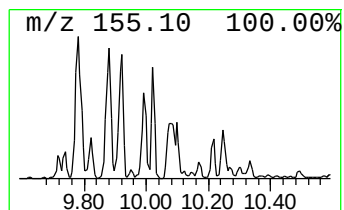
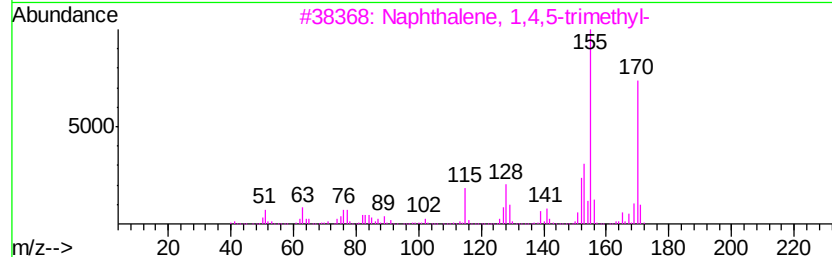
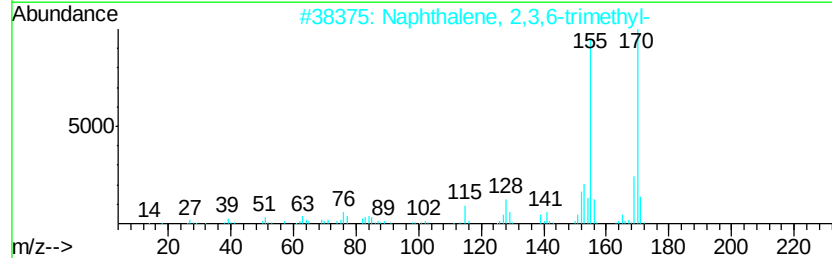
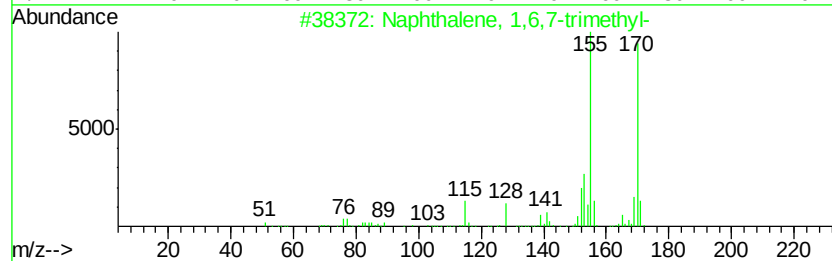
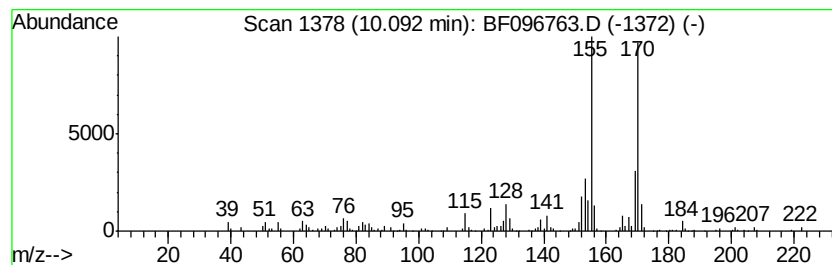
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Naphthalene, 1,6,7-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.09	11.27 ng	618546	Acenaphthene-d10	9.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
4		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
5		4,6,8-Trimethylazulene	170	C13H14	000941-81-1	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
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Acq On : 14 Jul 2017 7:51
Operator : SJ/JU
Sample : I4172-08
Misc :
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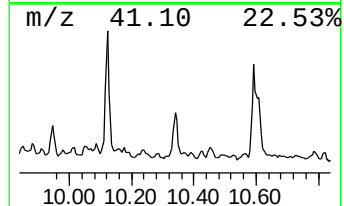
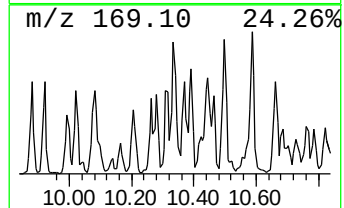
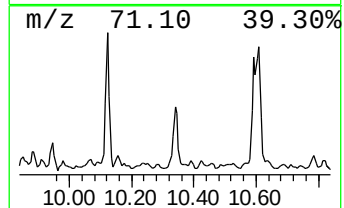
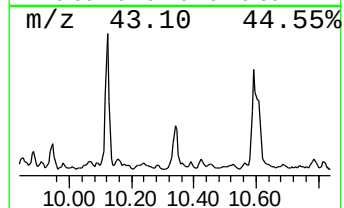
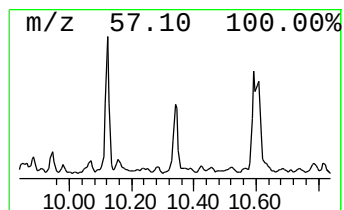
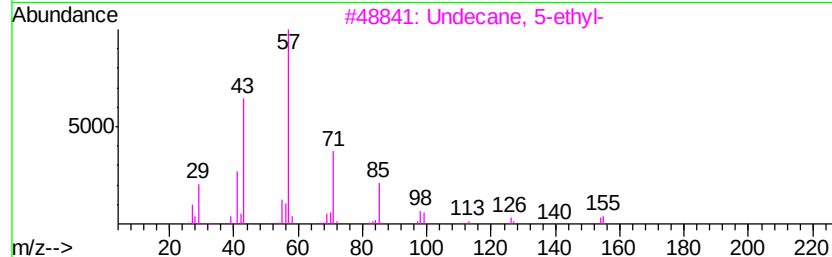
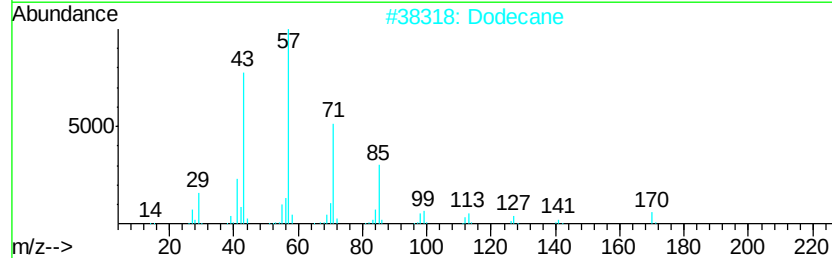
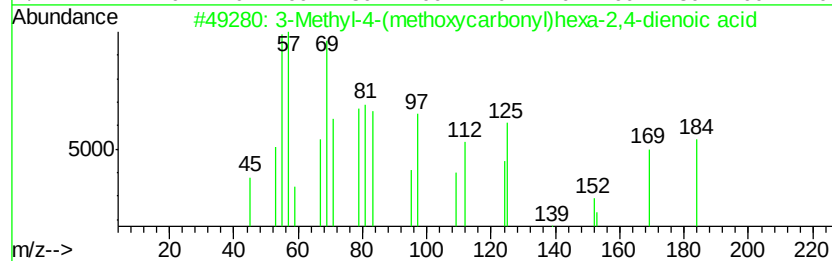
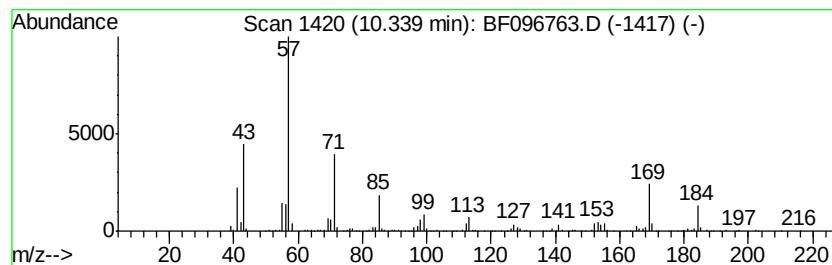
Instrument :
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ClientSampleId :
E2-CONCRETE-BATCH-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 3-Methyl-4-(methoxycarbonyl... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.34	10.72 ng	588430	Acenaphthene-d10	9.67
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		3-Methyl-4-(methoxycarbonyl)hexa...	184 C9H12O4	1000104-10-8 55
2		Dodecane	170 C12H26	000112-40-3 50
3		Undecane, 5-ethyl-	184 C13H28	017453-94-0 47
4		Tridecane, 3-methyl-	198 C14H30	006418-41-3 47
5		Undecane, 3,6-dimethyl-	184 C13H28	017301-28-9 47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
Data File : BF096763.D
Acq On : 14 Jul 2017 7:51
Operator : SJ/JU
Sample : I4172-08
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
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ClientSampleId :
E2-CONCRETE-BATCH-15

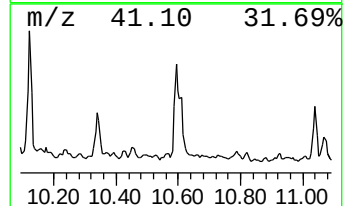
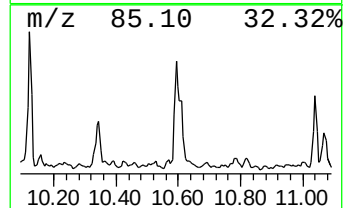
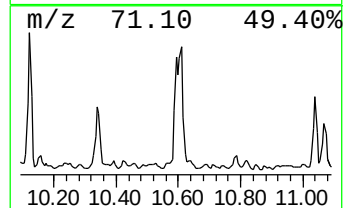
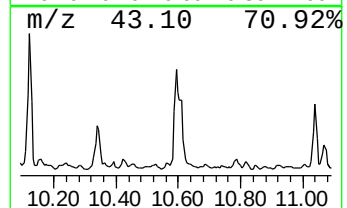
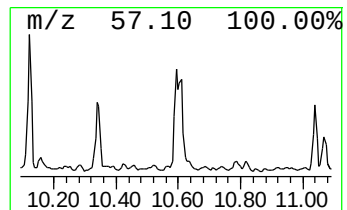
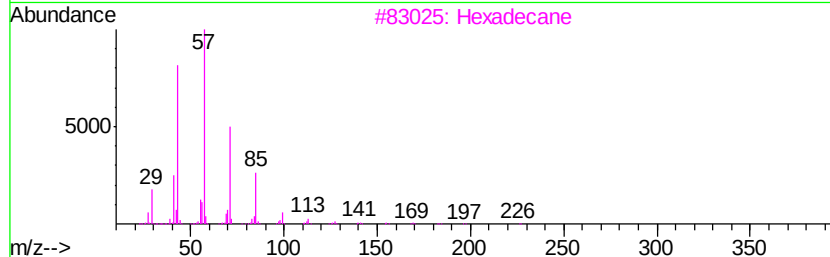
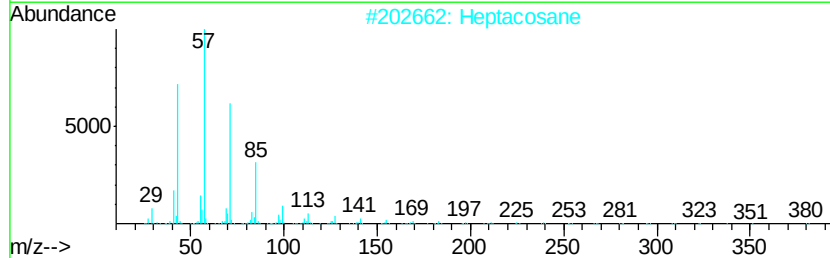
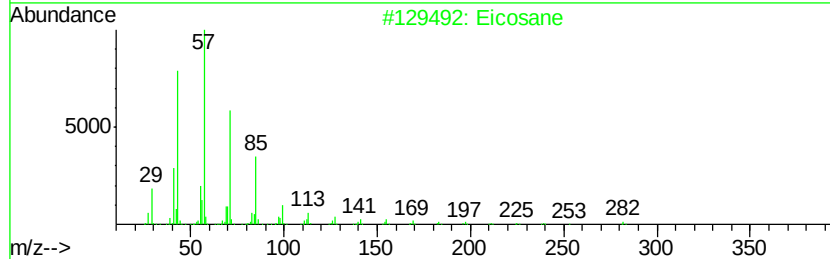
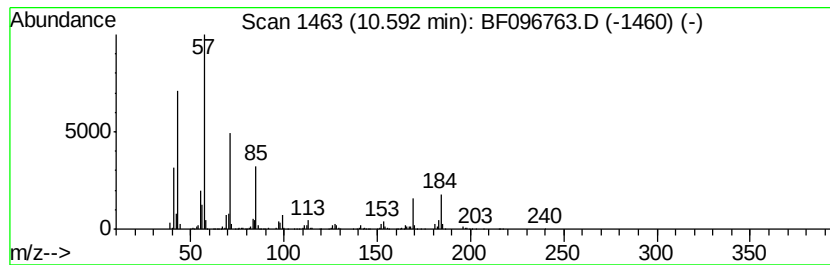
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Eicosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	30.15 ng	896363	Phenanthrene-d10	11.15

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	64
2		Heptacosane	380	C27H56	000593-49-7	62
3		Hexadecane	226	C16H34	000544-76-3	62
4		3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	60
5		Pentadecane	212	C15H32	000629-62-9	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
Data File : BF096763.D
Acq On : 14 Jul 2017 7:51
Operator : SJ/JU
Sample : I4172-08
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
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ClientSampleId :
E2-CONCRETE-BATCH-15

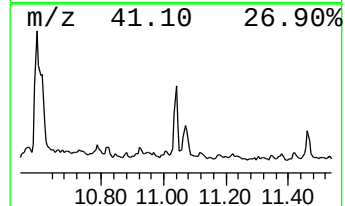
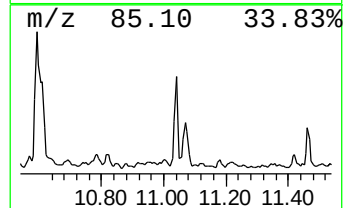
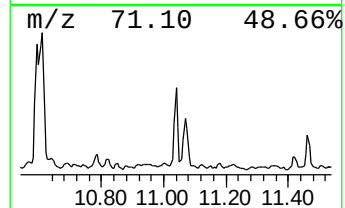
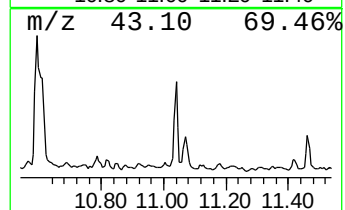
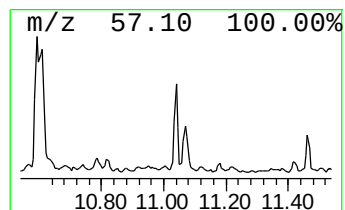
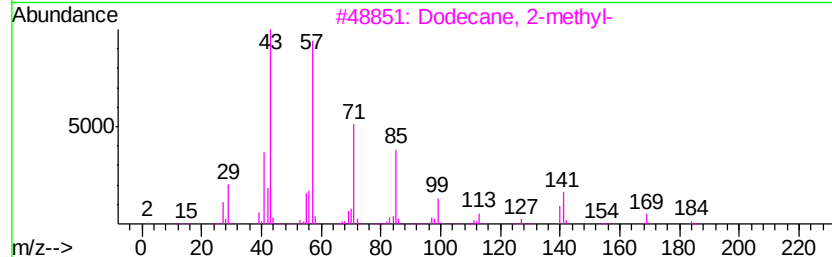
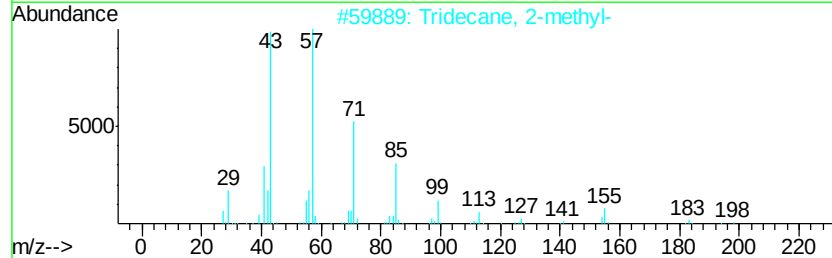
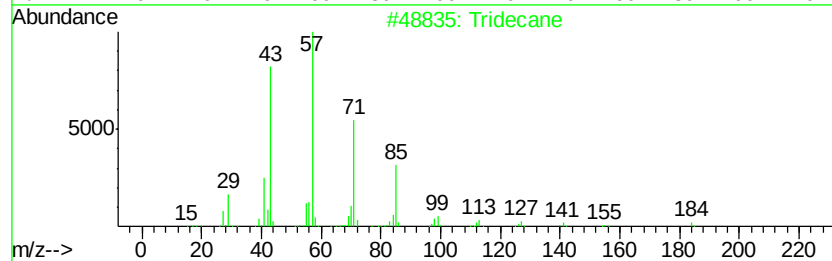
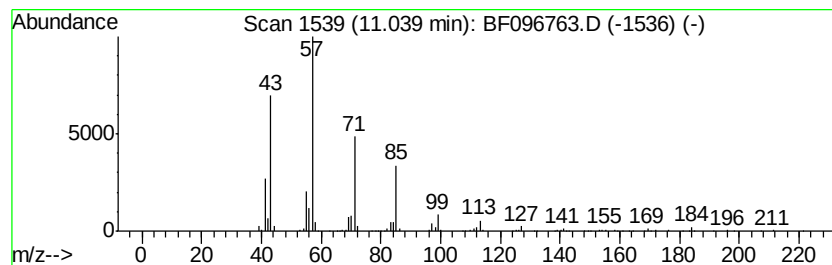
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Tridecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.04	11.88 ng	353186	Phenanthrene-d10	11.15

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	91
2		Tridecane, 2-methyl-	198	C14H30	001560-96-9	90
3		Dodecane, 2-methyl-	184	C13H28	001560-97-0	87
4		Hexadecane	226	C16H34	000544-76-3	86
5		Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
Data File : BF096763.D
Acq On : 14 Jul 2017 7:51
Operator : SJ/JU
Sample : I4172-08
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-15

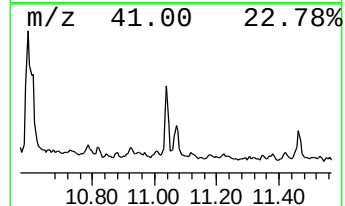
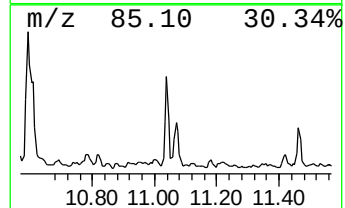
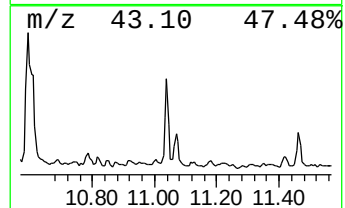
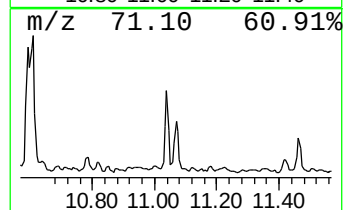
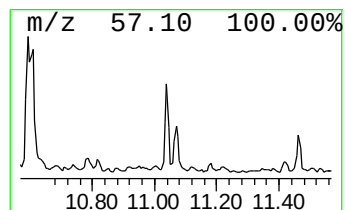
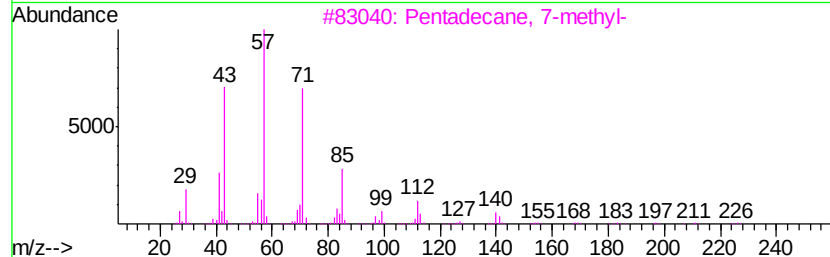
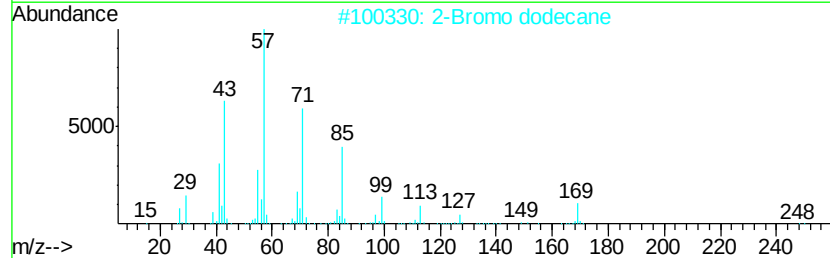
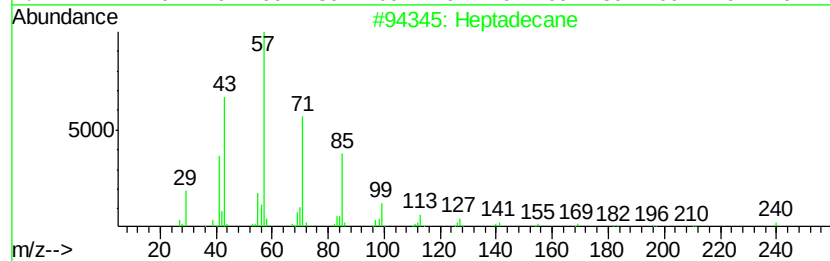
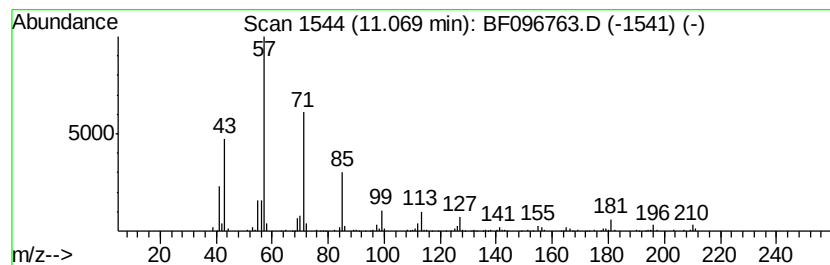
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Heptadecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	10.49 ng	311858	Phenanthrene-d10	11.15

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane	240	C17H36	000629-78-7	86
2		2-Bromo dodecane	248	C12H25Br	013187-99-0	72
3		Pentadecane, 7-methyl-	226	C16H34	006165-40-8	59
4		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	58
5		Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
 Data File : BF096763.D
 Acq On : 14 Jul 2017 7:51
 Operator : SJ/JU
 Sample : I4172-08
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-CONCRETE-BATCH-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
3-Penten-2-one, 4...	4.16	45.5	ng	1426830	1	6.64	627652	20.0
2-Pentanone, 4-hy...	4.82	51.7	ng	1621760	1	6.64	627652	20.0
unknown6.41	6.41	31.9	ng	1002710	1	6.64	627652	20.0
Naphthalene, 1-me...	8.73	15.4	ng	725708	2	7.92	944190	20.0
Hexadecane	9.10	14.9	ng	815890	3	9.67	1097540	20.0
Naphthalene, 2-et...	9.19	12.6	ng	692591	3	9.67	1097540	20.0
Naphthalene, 2,6-...	9.27	27.1	ng	1485600	3	9.67	1097540	20.0
Naphthalene, 1,6-...	9.33	26.7	ng	1464500	3	9.67	1097540	20.0
Naphthalene, 2,3-...	9.45	15.3	ng	836634	3	9.67	1097540	20.0
Decane, 6-ethyl-2...	9.62	13.1	ng	720659	3	9.67	1097540	20.0
Naphthalene, 2-(1...	9.78	15.0	ng	820709	3	9.67	1097540	20.0
Naphthalene, 2,3,...	9.88	16.4	ng	898387	3	9.67	1097540	20.0
Naphthalene, 1,4,...	9.92	12.3	ng	672502	3	9.67	1097540	20.0
Naphthalene, 1,6,...	10.09	11.3	ng	618546	3	9.67	1097540	20.0
3-Methyl-4-(metho...	10.34	10.7	ng	588430	3	9.67	1097540	20.0
Eicosane	10.59	30.1	ng	896363	4	11.15	594571	20.0
Tridecane	11.04	11.9	ng	353186	4	11.15	594571	20.0
Heptadecane	11.07	10.5	ng	311858	4	11.15	594571	20.0