

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
 Data File : BF094227.D
 Acq On : 6 Apr 2017 14:44
 Operator : SJ/MA
 Sample : I2511-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-CONCRETE-BATCH-3

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-BF032217.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	3.445	261	265	270	rBV	415809	424301	11.13%	1.078%
2	3.987	352	357	360	rBV	1403331	1515239	39.75%	3.851%
3	4.381	420	424	428	rBV	1855735	1720372	45.13%	4.373%
4	5.457	601	607	614	rBV	2521773	2792299	73.24%	7.097%
5	5.592	625	630	634	rBV	2450033	2338578	61.34%	5.944%
6	5.851	670	674	678	rBV	1011909	910124	23.87%	2.313%
7	6.028	699	704	708	rBV	2509193	2450082	64.27%	6.228%
8	6.339	754	757	764	rVB	58927	63631	1.67%	0.162%
9	6.498	778	784	787	rBV	1937391	2011316	52.76%	5.112%
10	7.110	882	888	896	rVB2	29130	59938	1.57%	0.152%
11	7.351	924	929	933	rBV	1330497	1271771	33.36%	3.233%
12	7.910	1019	1024	1030	rBV3	35086	50595	1.33%	0.129%
13	8.122	1054	1060	1062	rBV3	74838	96022	2.52%	0.244%
14	8.222	1071	1077	1080	rBV	183479	190129	4.99%	0.483%
15	8.339	1090	1097	1100	rBV	173763	170938	4.48%	0.434%
16	8.680	1147	1155	1158	rBV	3411875	3812304	100.00%	9.690%
17	8.792	1172	1174	1176	rBV	51111	58001	1.52%	0.147%
18	8.816	1176	1178	1183	rVB	138928	130145	3.41%	0.331%
19	8.910	1189	1194	1198	rBV	76236	109078	2.86%	0.277%
20	8.986	1203	1207	1213	rVV	219018	349738	9.17%	0.889%
21	9.080	1216	1223	1226	rBV	396942	513335	13.47%	1.305%
22	9.116	1226	1229	1232	rVV	304472	325469	8.54%	0.827%
23	9.174	1236	1239	1241	rVV	213777	223574	5.86%	0.568%
24	9.222	1241	1247	1253	rVB3	226093	425987	11.17%	1.083%
25	9.322	1260	1264	1269	rBV2	89297	124013	3.25%	0.315%
26	9.392	1274	1276	1279	rVB2	49326	44216	1.16%	0.112%
27	9.492	1285	1293	1297	rBV3	1506269	1901382	49.87%	4.833%
28	9.557	1301	1304	1306	rVB3	105186	94328	2.47%	0.240%
29	9.633	1313	1317	1323	rBV	144389	253587	6.65%	0.645%
30	9.686	1323	1326	1328	rVB2	88032	76541	2.01%	0.195%
31	9.757	1332	1338	1341	rVV2	274949	396269	10.39%	1.007%
32	9.804	1341	1346	1349	rVV	304560	334247	8.77%	0.850%
33	9.863	1352	1356	1358	rVV4	76715	106759	2.80%	0.271%
34	9.892	1358	1361	1365	rVV	181716	253436	6.65%	0.644%

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35	9.927	1365	1367	1371	rVB	211080	187086	4.91%	0.476%
36	10.004	1375	1380	1388	rBV2	230448	442291	11.60%	1.124%
37	10.086	1390	1394	1397	rBV	420883	411976	10.81%	1.047%
38	10.133	1399	1402	1405	rVV4	97839	130906	3.43%	0.333%
39	10.163	1405	1407	1411	rVB	177372	176145	4.62%	0.448%
40	10.210	1411	1415	1418	rBV4	134089	195437	5.13%	0.497%
41	10.321	1431	1434	1436	rBV2	57573	63394	1.66%	0.161%
42	10.363	1437	1441	1444	rVV2	213163	249338	6.54%	0.634%
43	10.421	1449	1451	1453	rVV2	46100	39624	1.04%	0.101%
44	10.463	1453	1458	1461	rVV	961023	1009884	26.49%	2.567%
45	10.521	1464	1468	1472	rVB4	66988	91563	2.40%	0.233%
46	10.633	1483	1487	1490	rVB2	174600	199098	5.22%	0.506%
47	10.669	1490	1493	1495	rBV	453170	470366	12.34%	1.196%
48	10.727	1501	1503	1505	rVB	62656	48266	1.27%	0.123%
49	10.833	1517	1521	1522	rBV4	36462	50262	1.32%	0.128%
50	10.916	1531	1535	1539	rBV4	80941	123094	3.23%	0.313%
51	10.951	1539	1541	1546	rVB3	68177	78549	2.06%	0.200%
52	11.016	1546	1552	1557	rBV4	88372	206077	5.41%	0.524%
53	11.074	1559	1562	1565	rVB	106762	99638	2.61%	0.253%
54	11.186	1578	1581	1584	rVB	89518	94621	2.48%	0.241%
55	11.227	1584	1588	1591	rVV	393837	373535	9.80%	0.949%
56	11.263	1591	1594	1598	rVV	137300	168973	4.43%	0.429%
57	11.316	1598	1603	1606	rVV	1326825	1357216	35.60%	3.450%
58	11.345	1606	1608	1611	rVB2	278547	243632	6.39%	0.619%
59	11.398	1615	1617	1620	rVB2	68254	61224	1.61%	0.156%
60	11.539	1638	1641	1644	rBV	66112	78275	2.05%	0.199%
61	11.733	1671	1674	1675	rBV2	38070	43004	1.13%	0.109%
62	11.751	1675	1677	1682	rVB	236448	245574	6.44%	0.624%
63	11.804	1683	1686	1695	rVB4	60087	93176	2.44%	0.237%
64	11.939	1706	1709	1711	rBV	70429	71947	1.89%	0.183%
65	11.974	1711	1715	1719	rVB2	133259	167456	4.39%	0.426%
66	12.068	1728	1731	1732	rBV2	39912	41787	1.10%	0.106%
67	12.092	1732	1735	1738	rVB2	163426	158931	4.17%	0.404%
68	12.257	1760	1763	1767	rVB	185791	183483	4.81%	0.466%
69	12.533	1807	1810	1813	rBV3	49046	56610	1.48%	0.144%
70	12.739	1842	1845	1849	rVB2	106841	109329	2.87%	0.278%
71	12.804	1853	1856	1861	rVB	127548	175755	4.61%	0.447%

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72	13.080	1900	1903	1907	rVB	102373	98944	2.60%	0.251%
73	13.198	1920	1923	1926	rVB	81713	80818	2.12%	0.205%
74	13.298	1934	1940	1943	rBV	2908761	3266011	85.67%	8.302%
75	13.639	1996	1998	2003	rVB	75226	72966	1.91%	0.185%
76	14.062	2067	2070	2073	rVB2	69561	71035	1.86%	0.181%
77	14.468	2135	2139	2147	rVB3	115592	214201	5.62%	0.544%
78	14.562	2150	2155	2159	rBV	995538	1081757	28.38%	2.750%
79	15.239	2268	2270	2275	rVB2	52455	55577	1.46%	0.141%
80	16.192	2427	2432	2438	rVB	649483	805573	21.13%	2.048%

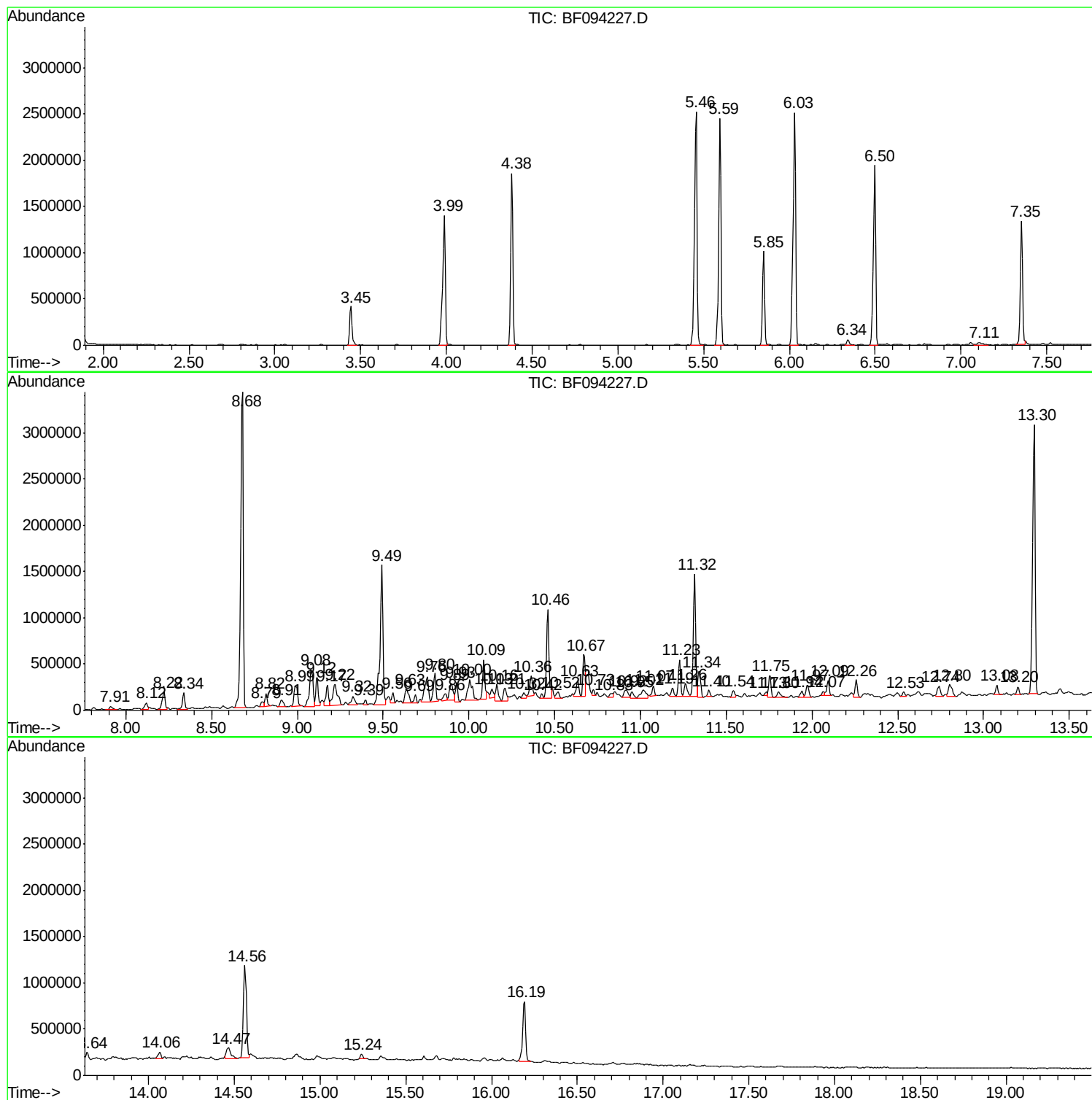
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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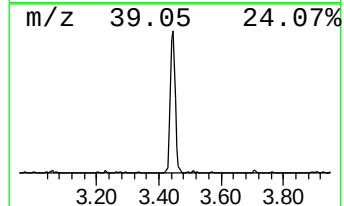
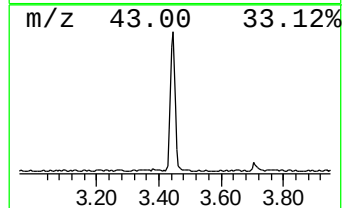
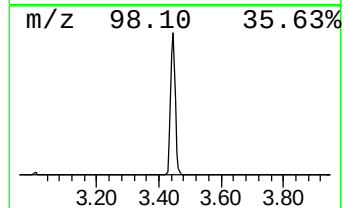
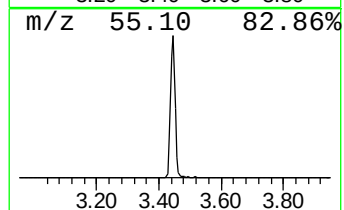
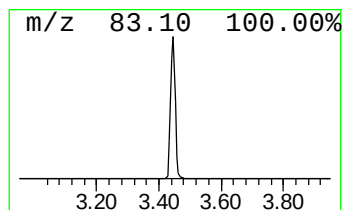
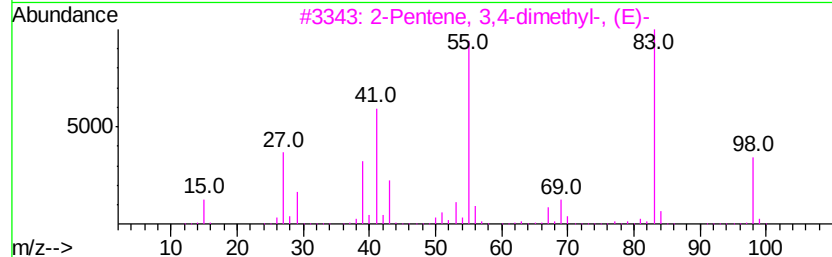
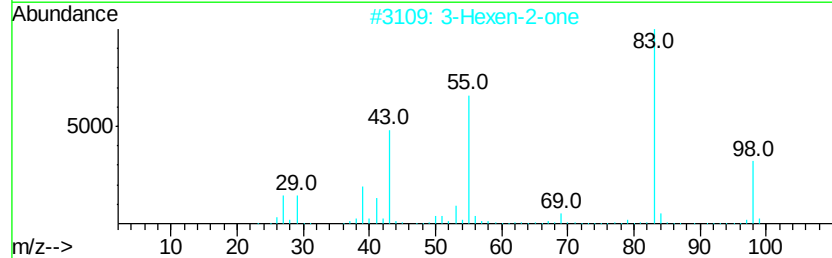
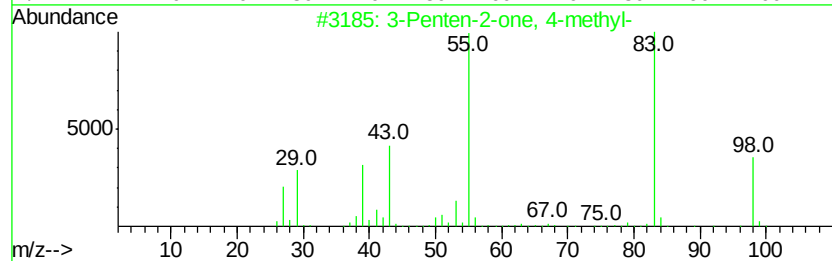
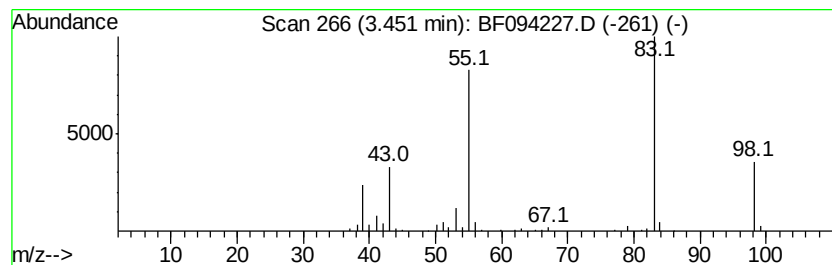
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.45	9.32 ng	424301	1,4-Dichlorobenzene-d4	5.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2			3-Hexen-2-one	98	C6H10O	000763-93-9	90
3			2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90
4			2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	87
5			2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	86



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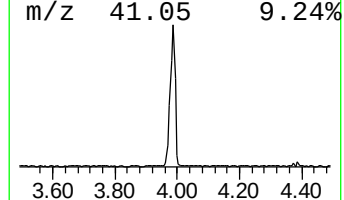
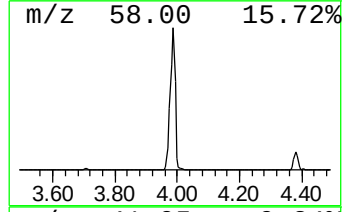
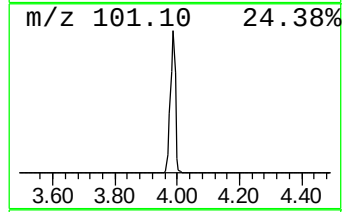
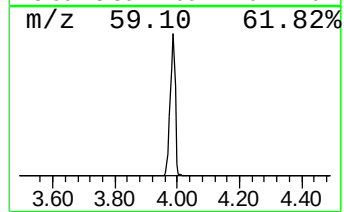
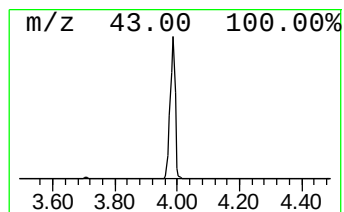
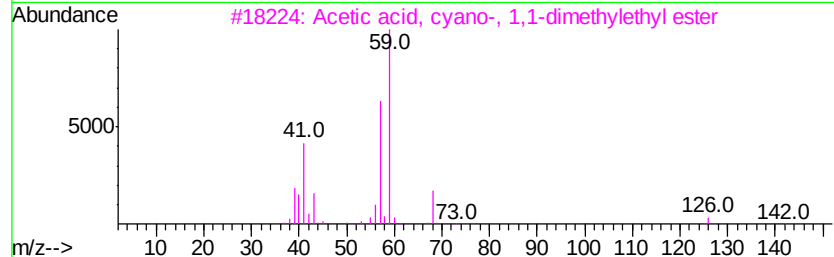
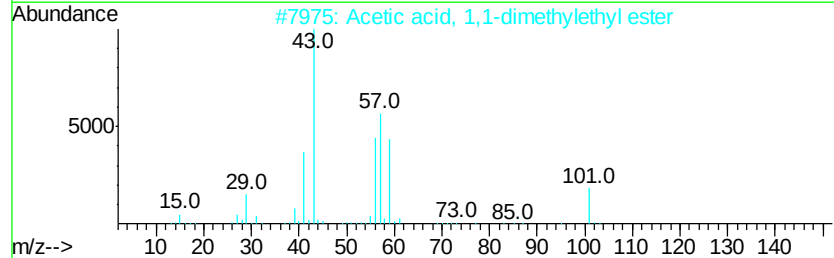
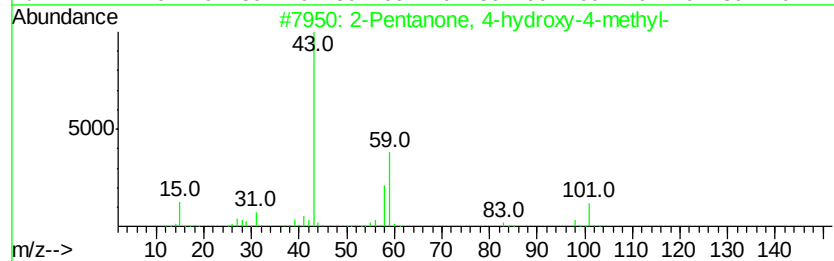
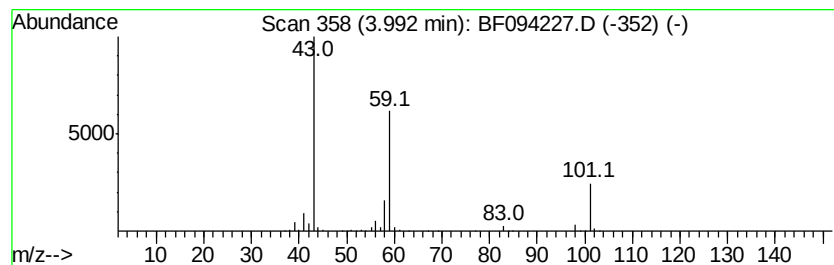
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.99	33.30 ng	1515240	1,4-Dichlorobenzene-d4	5.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3			Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	17
4			Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9



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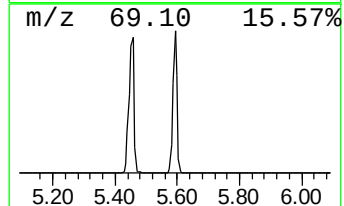
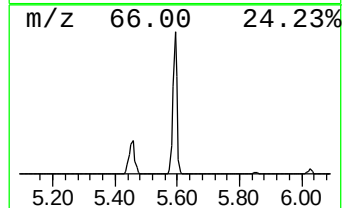
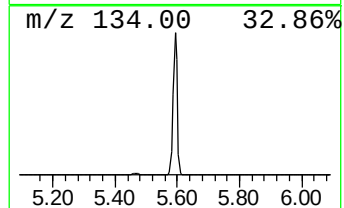
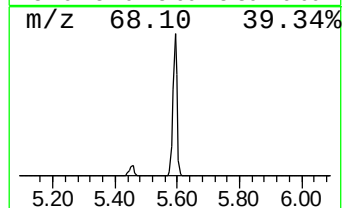
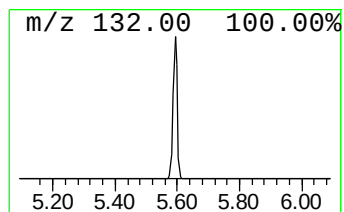
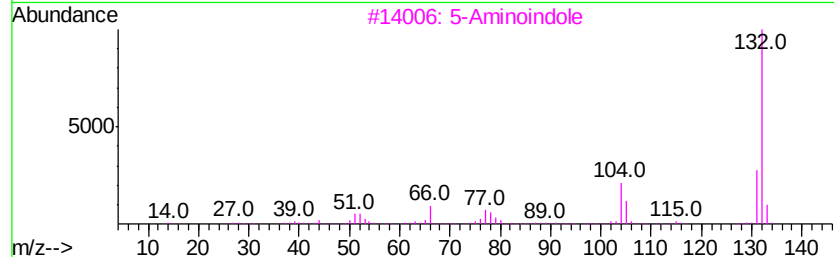
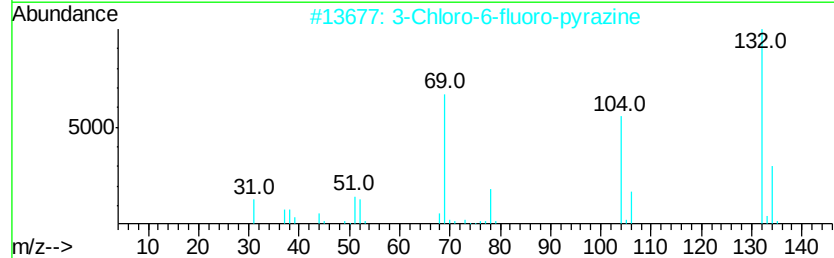
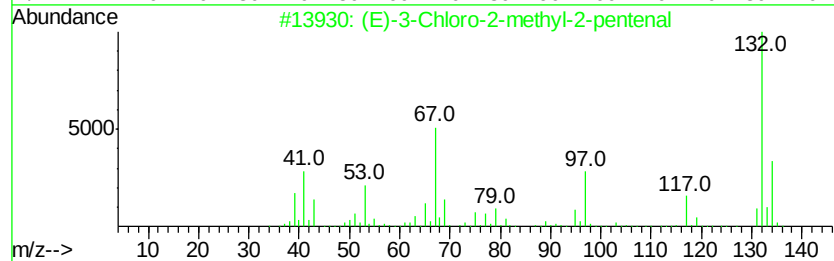
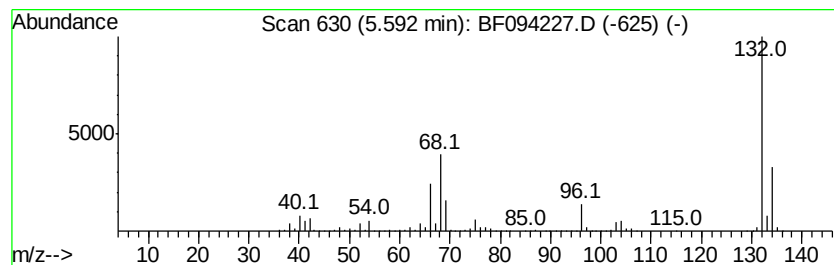
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown5.59 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.59	51.39 ng	2338580	1,4-Dichlorobenzene-d4	5.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2			3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3			5-Aminoindole	132	C8H8N2	005192-03-0	12
4			4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5			4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9



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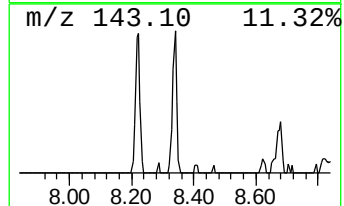
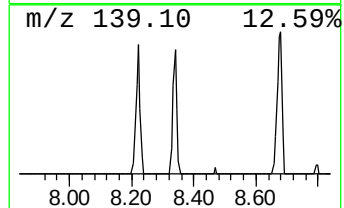
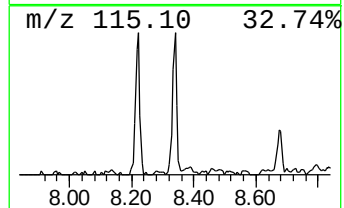
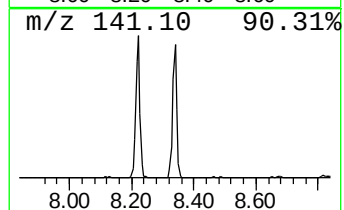
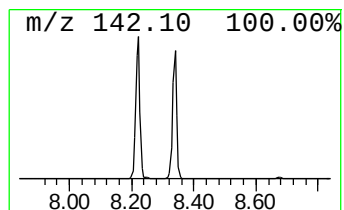
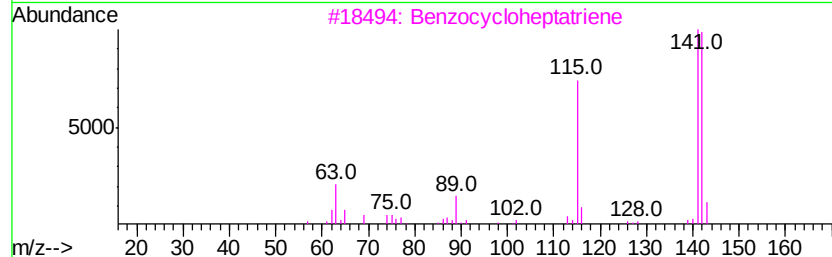
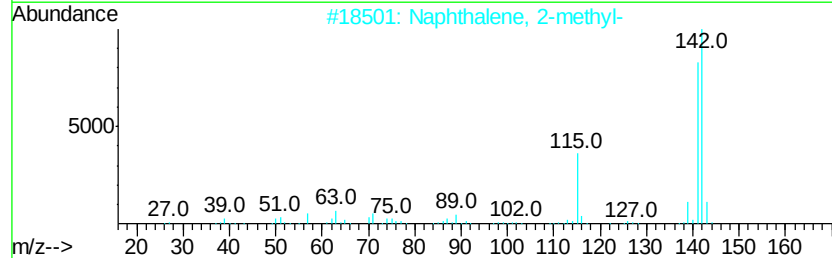
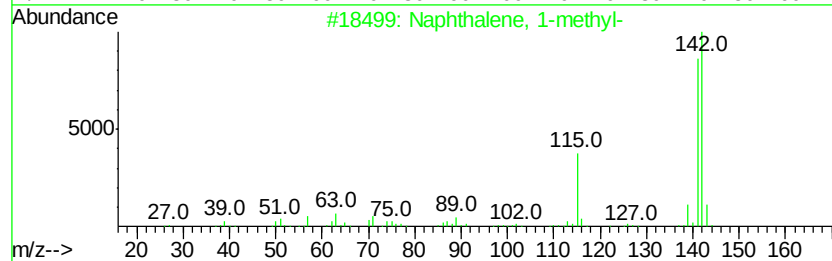
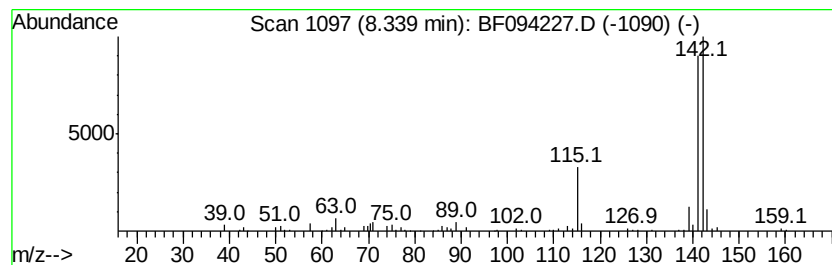
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.34	2.69 ng	170938	Naphthalene-d8	7.35

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		Benzocycloheptatriene	142	C11H10	000264-09-5	91
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040617\
Data File : BF094227.D
Acq On : 6 Apr 2017 14:44
Operator : SJ/MA
Sample : I2511-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-3

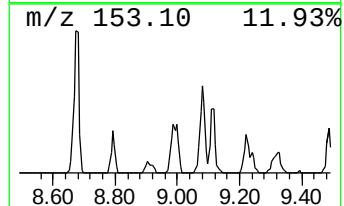
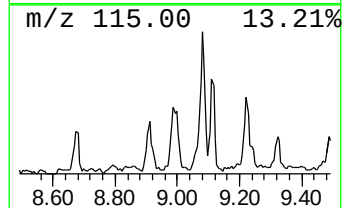
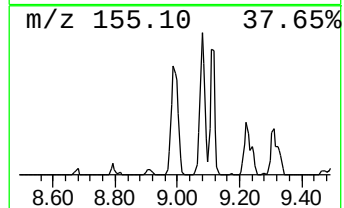
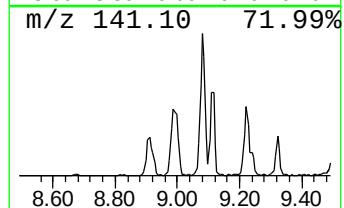
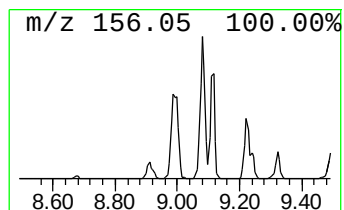
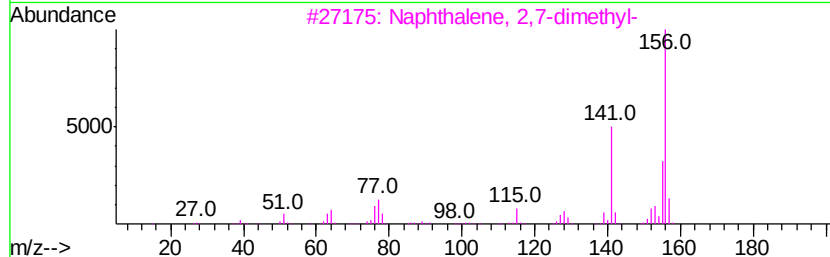
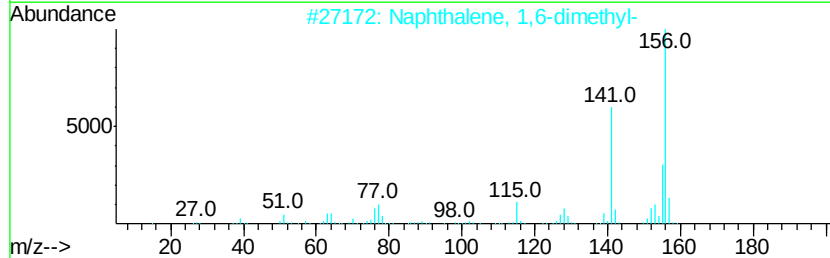
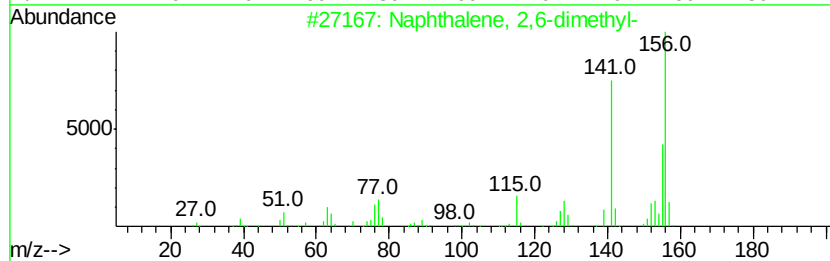
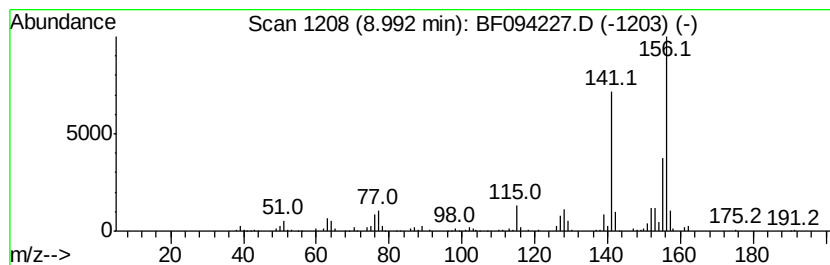
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphthalene, 2,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.99	3.68 ng	349738	Acenaphthene-d10	9.49

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, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
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Operator : SJ/MA
Sample : I2511-05
Misc :
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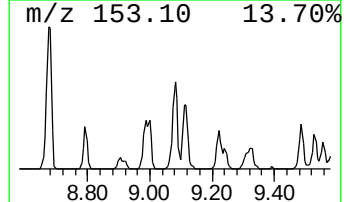
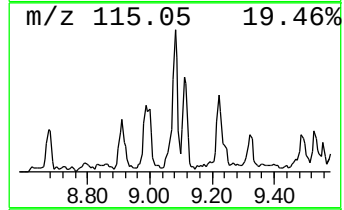
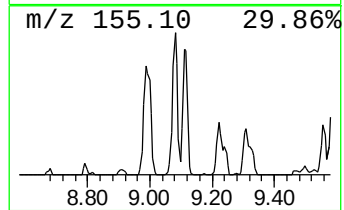
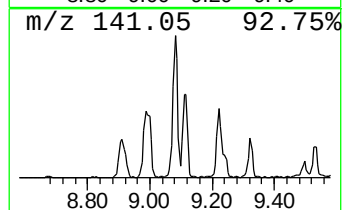
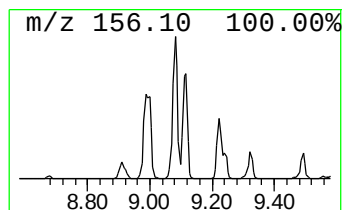
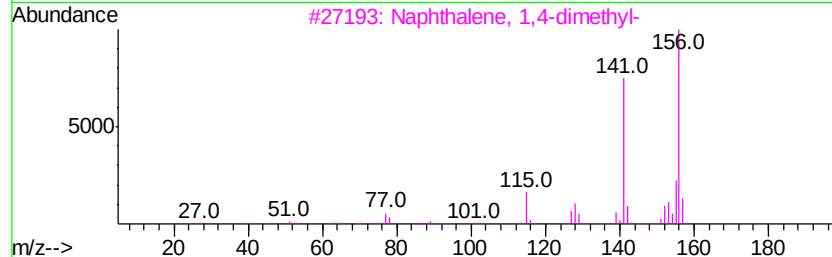
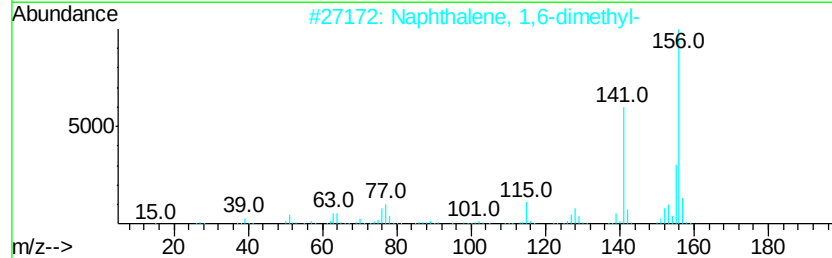
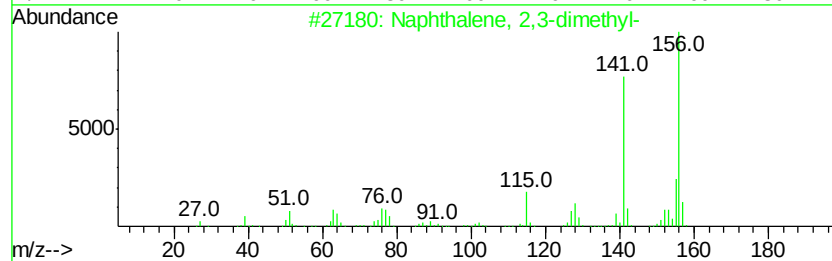
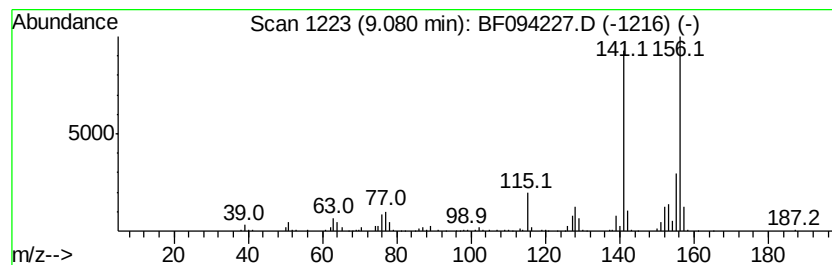
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E2-CONCRETE-BATCH-3

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD		R.T.
9.08	5.40 ng	513335	Acenaphthene-d10		9.49
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
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Operator : SJ/MA
Sample : I2511-05
Misc :
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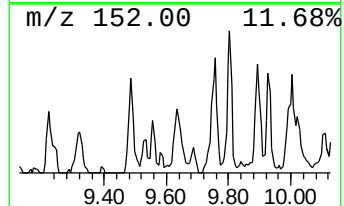
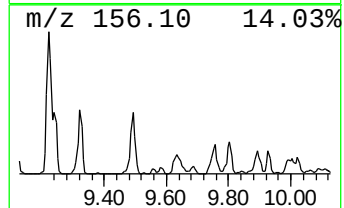
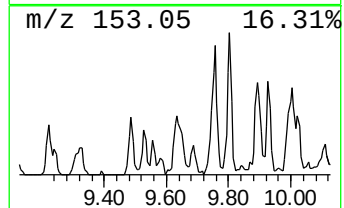
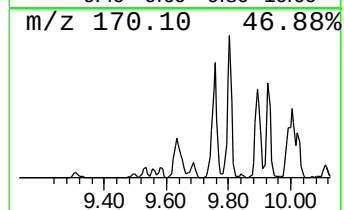
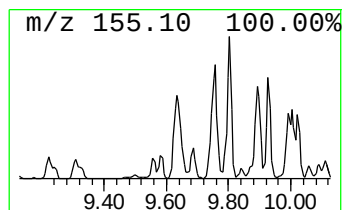
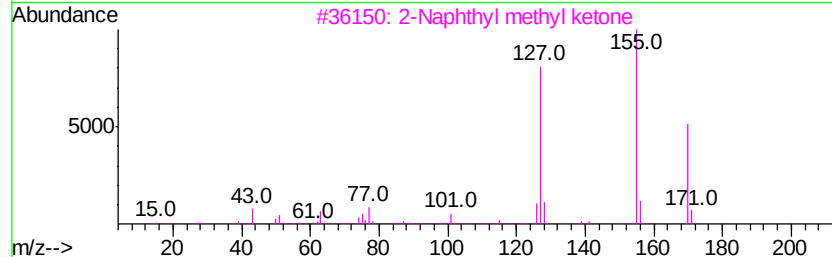
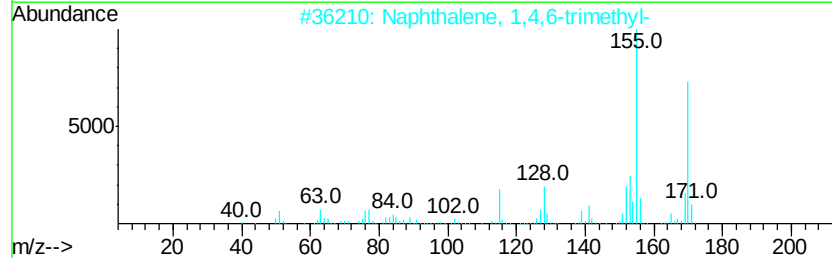
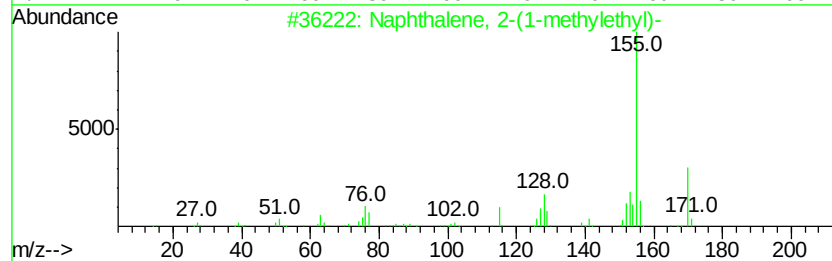
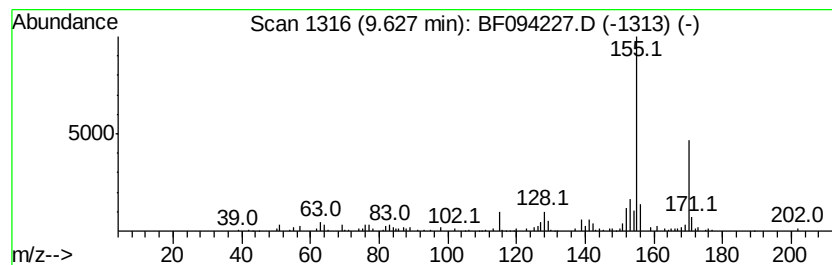
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 2-(1-methyleth... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.63	2.67 ng	253587	Acenaphthene-d10	9.49
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2-(1-methylethyl)-	170 C13H14	002027-17-0 94
2		Naphthalene, 1,4,6-trimethyl-	170 C13H14	002131-42-2 92
3		2-Naphthyl methyl ketone	170 C12H10O	000093-08-3 74
4		1'-Acetonaphthone	170 C12H10O	000941-98-0 72
5		Naphthalene, 2,3,6-trimethyl-	170 C13H14	000829-26-5 70



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
Data File : BF094227.D
Acq On : 6 Apr 2017 14:44
Operator : SJ/MA
Sample : I2511-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
E2-CONCRETE-BATCH-3

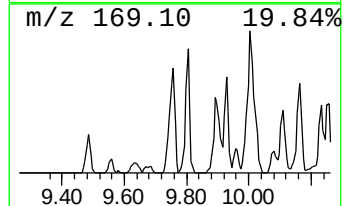
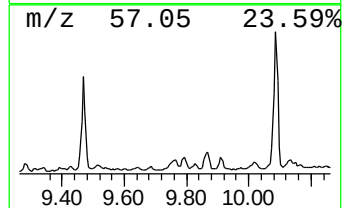
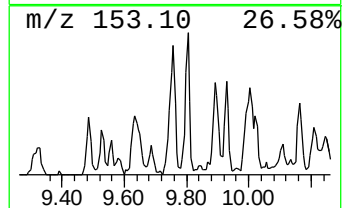
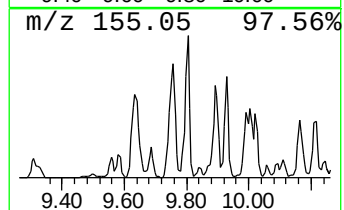
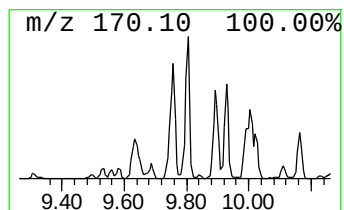
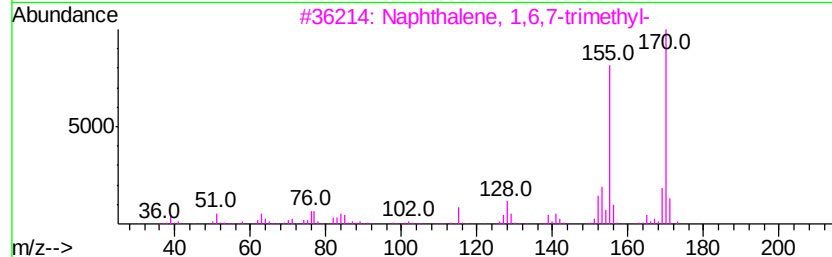
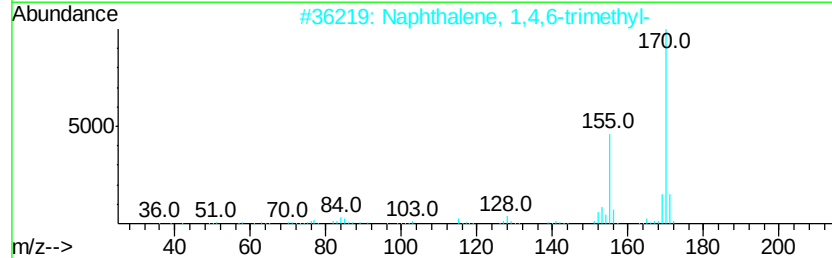
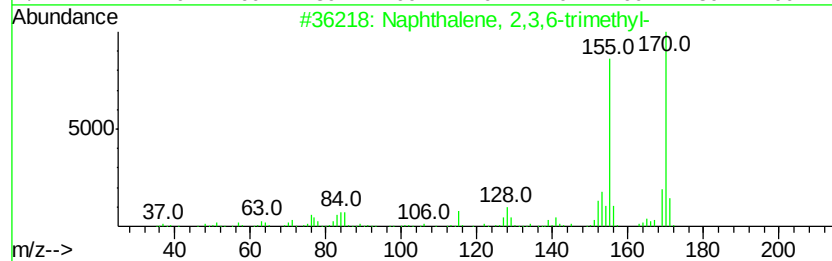
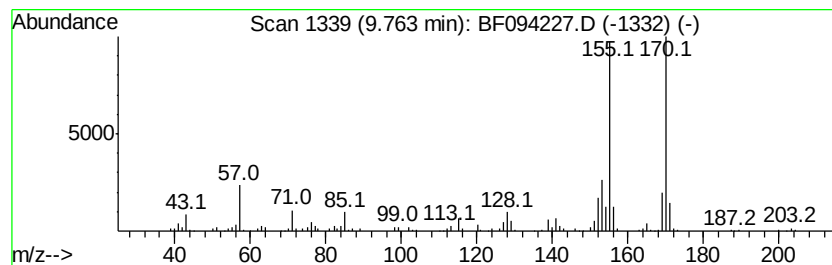
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 2,3,6-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	4.17 ng	396269	Acenaphthene-d10	9.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
4		Azulene, 4,6,8-trimethyl-	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\BF040617\
Data File : BF094227.D
Acq On : 6 Apr 2017 14:44
Operator : SJ/MA
Sample : I2511-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
E2-CONCRETE-BATCH-3

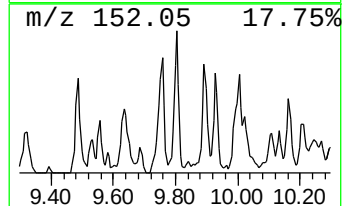
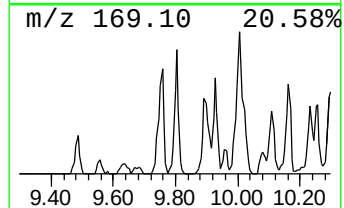
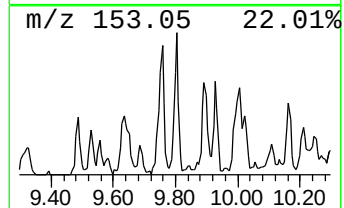
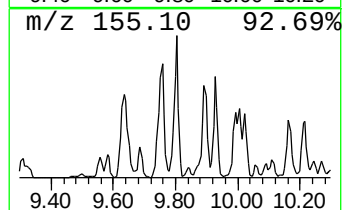
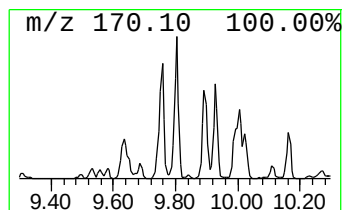
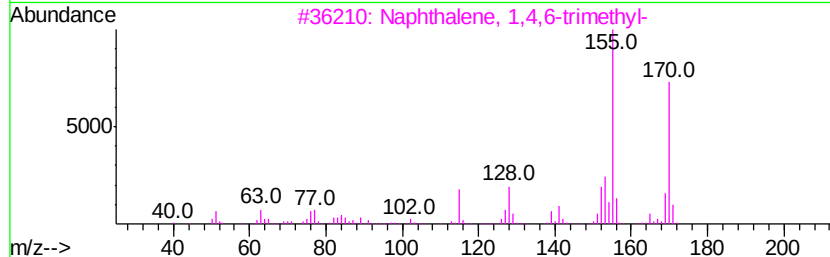
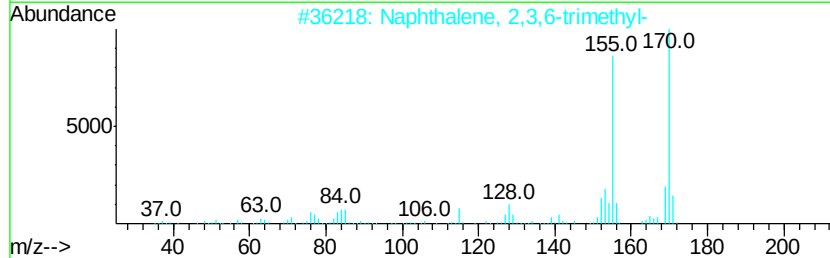
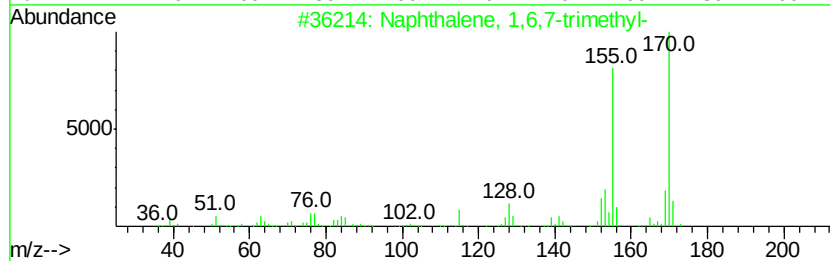
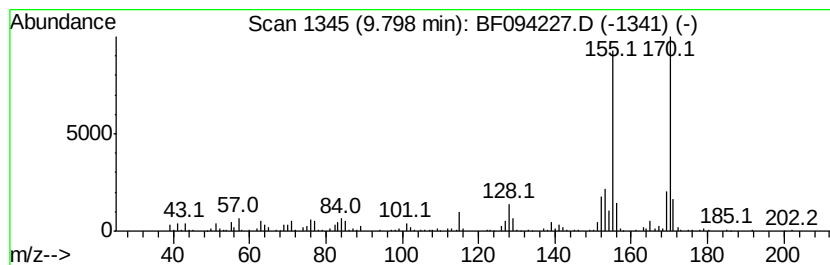
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 1,6,7-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.80	3.52 ng	334247	Acenaphthene-d10	9.49

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5		1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
Data File : BF094227.D
Acq On : 6 Apr 2017 14:44
Operator : SJ/MA
Sample : I2511-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
E2-CONCRETE-BATCH-3

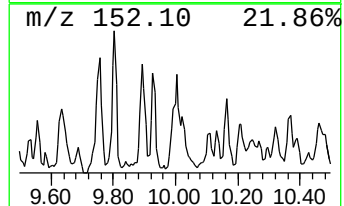
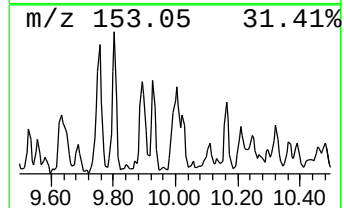
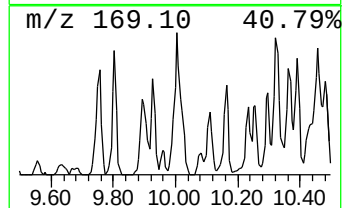
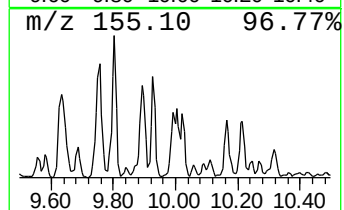
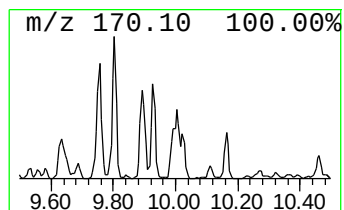
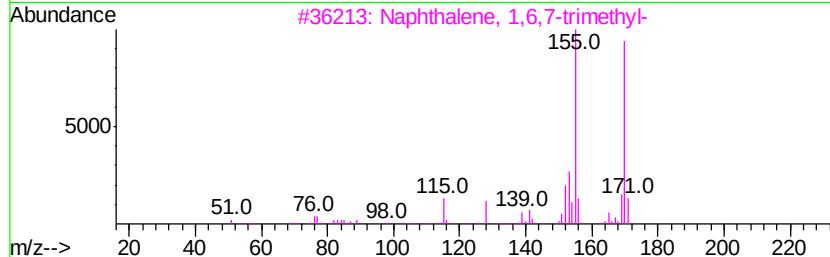
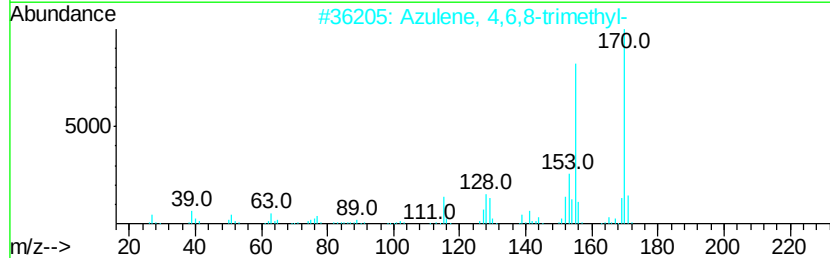
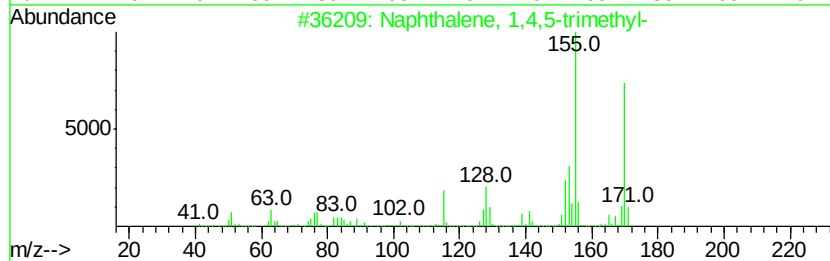
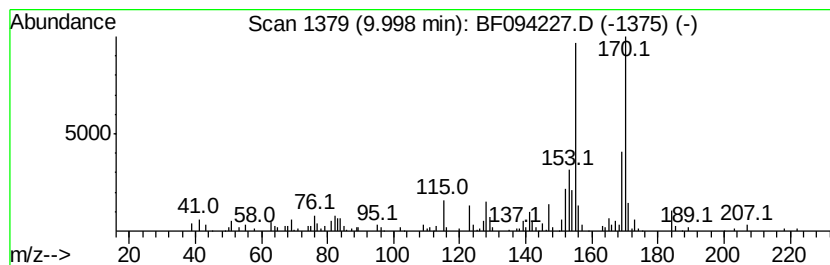
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 1,4,5-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.00	4.65 ng	442291	Acenaphthene-d10	9.49

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	94
2			Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	94
3			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
4			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
5			1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040617\
Data File : BF094227.D
Acq On : 6 Apr 2017 14:44
Operator : SJ/MA
Sample : I2511-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

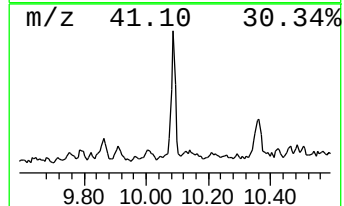
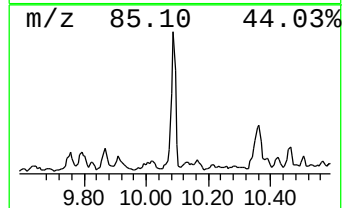
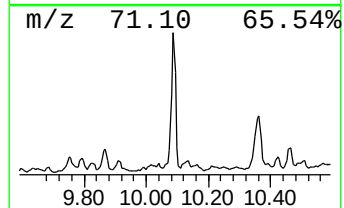
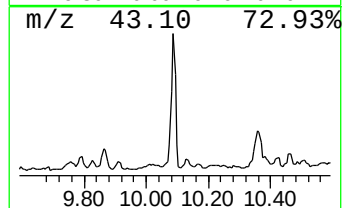
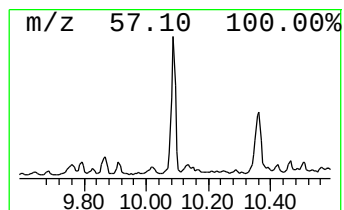
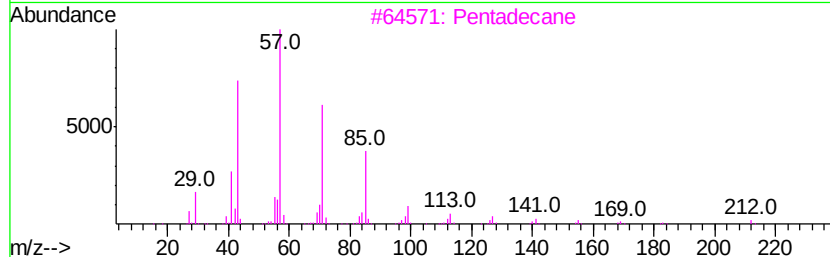
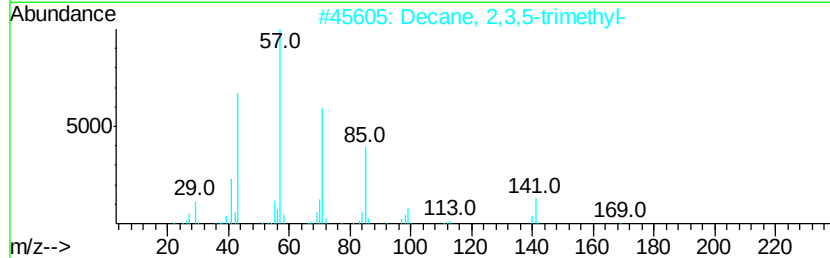
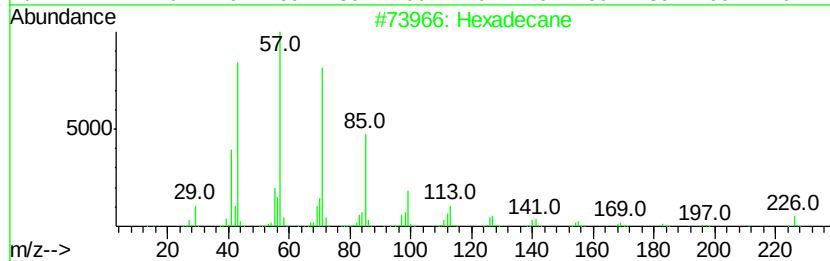
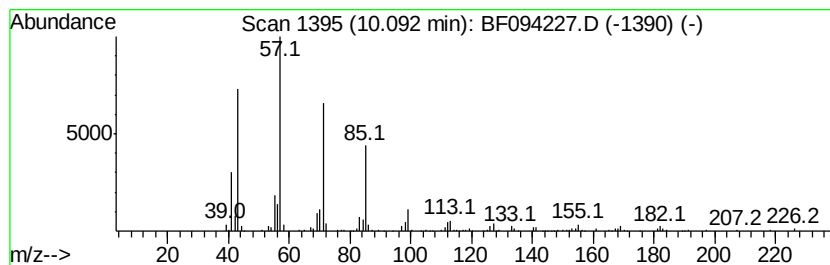
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ClientSampleId :
E2-CONCRETE-BATCH-3

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Hexadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.09	4.33 ng	411976	Acenaphthene-d10	9.49
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Hexadecane	226 C16H34	000544-76-3	94
2	Decane, 2,3,5-trimethyl-	184 C13H28	062238-11-3	90
3	Pentadecane	212 C15H32	000629-62-9	90
4	Dodecane, 4-methyl-	184 C13H28	006117-97-1	81
5	Pentadecane, 7-methyl-	226 C16H34	006165-40-8	81



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
Data File : BF094227.D
Acq On : 6 Apr 2017 14:44
Operator : SJ/MA
Sample : I2511-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

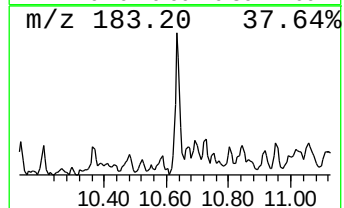
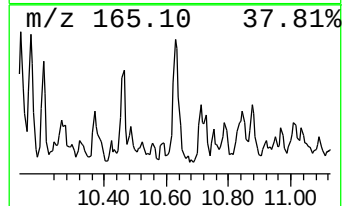
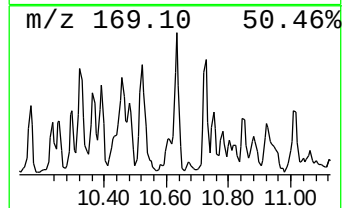
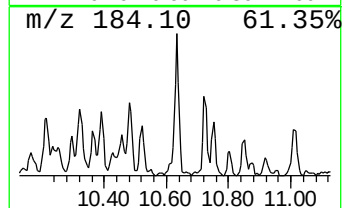
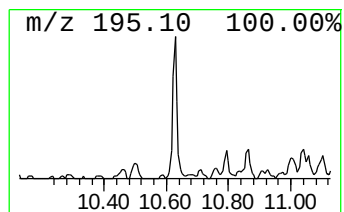
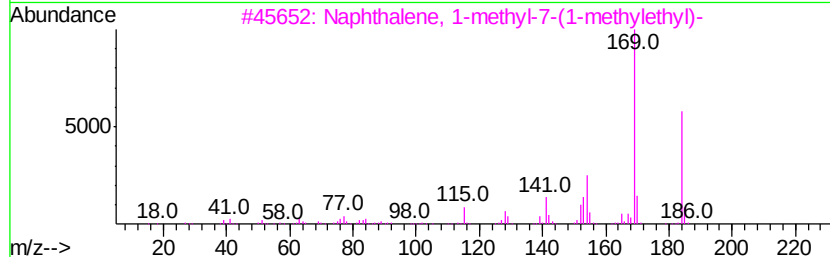
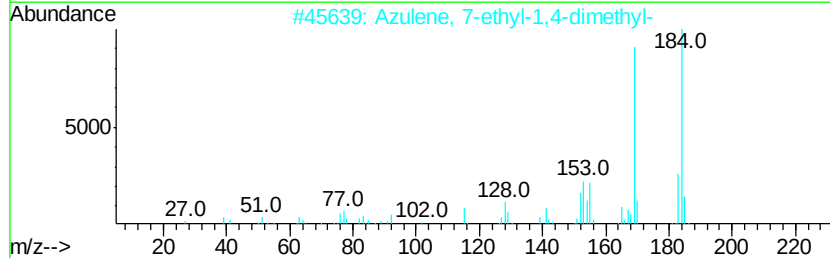
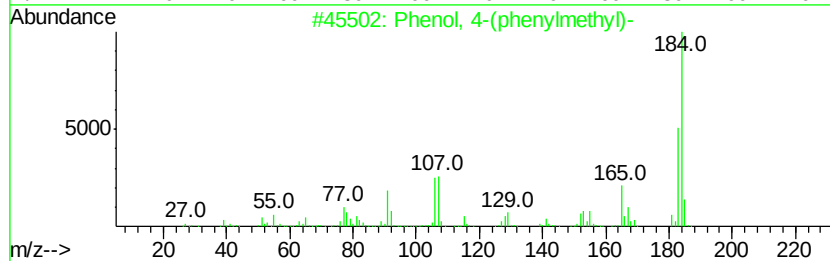
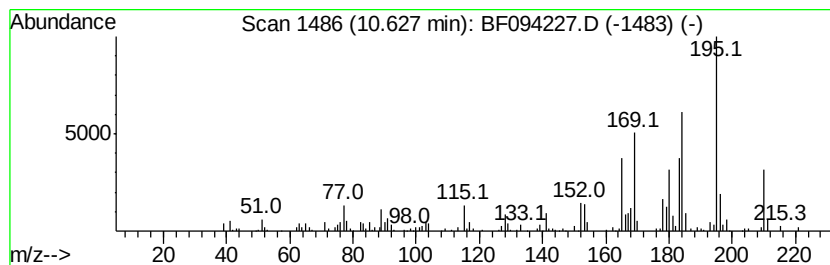
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown10.63 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.63	2.93 ng	199098	Phenanthrene-d10	11.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(phenylmethyl)-	184	C13H12O	000101-53-1	46
2	Azulene, 7-ethyl-1,4-dimethyl-	184	C14H16	000529-05-5	43
3	Naphthalene, 1-methyl-7-(1-methyl...	184	C14H16	000490-65-3	41
4	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	41
5	4-Methyl-2-phenylphenol	184	C13H12O	039579-09-4	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040617\
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Operator : SJ/MA
Sample : I2511-05
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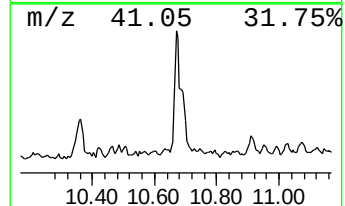
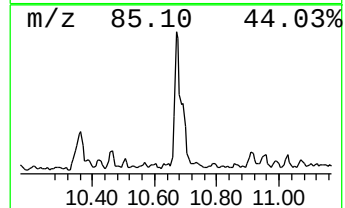
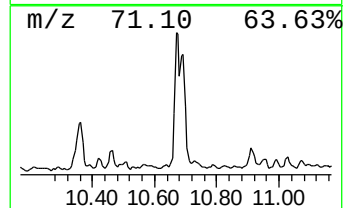
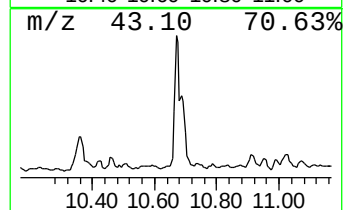
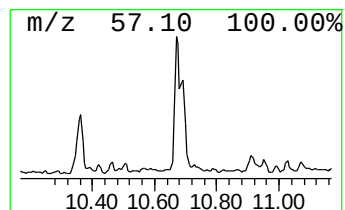
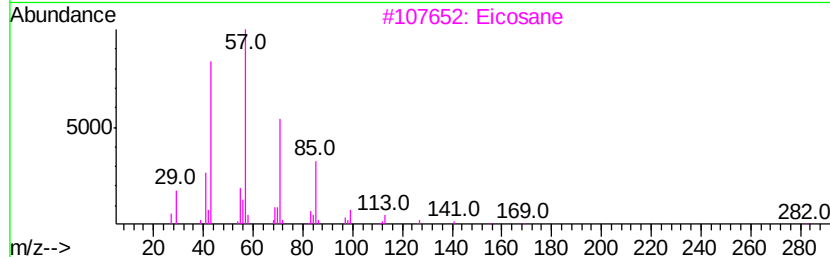
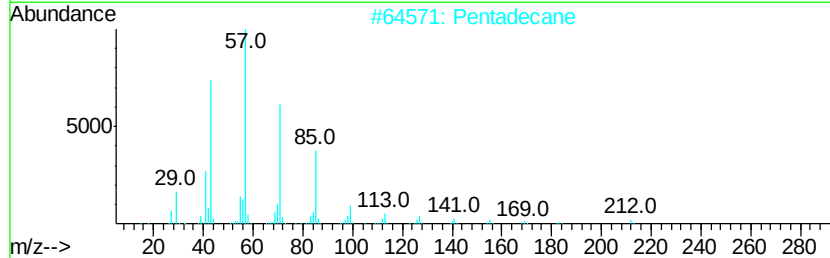
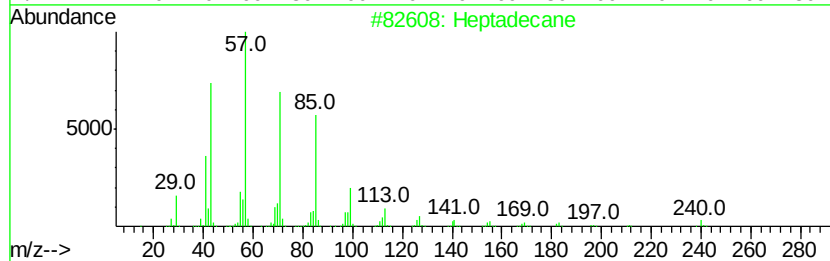
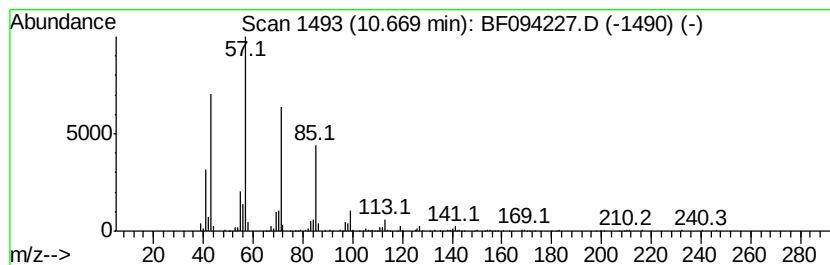
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Heptadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.67	6.93 ng	470366	Phenanthrene-d10	11.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	97
2	Pentadecane	212	C15H32	000629-62-9	86
3	Eicosane	282	C20H42	000112-95-8	83
4	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	83
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
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Acq On : 6 Apr 2017 14:44
Operator : SJ/MA
Sample : I2511-05
Misc :
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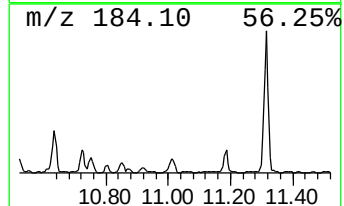
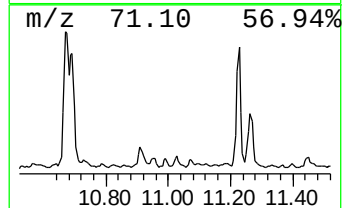
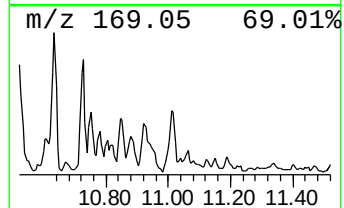
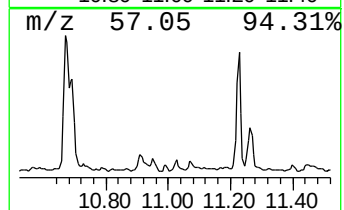
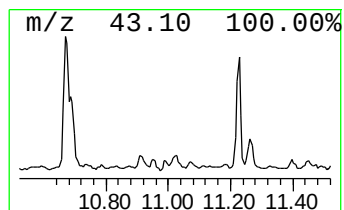
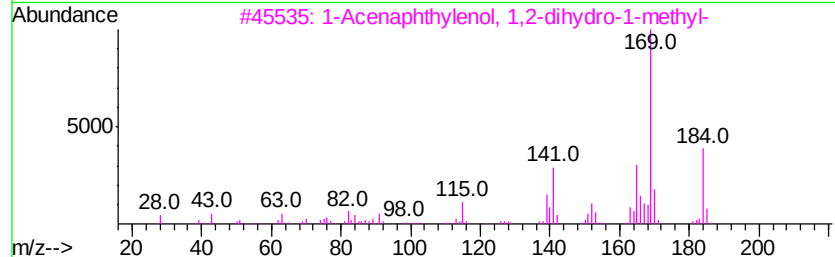
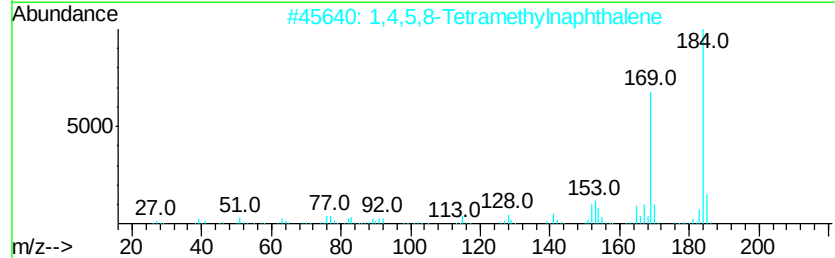
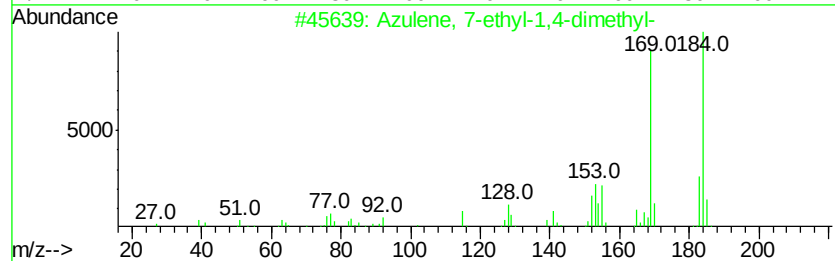
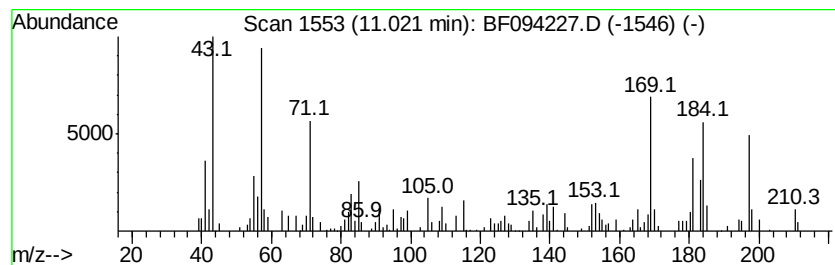
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Azulene, 7-ethyl-1,4-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.02	3.04 ng	206077	Phenanthrene-d10	11.32		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Azulene, 7-ethyl-1,4-dimethyl-	184	C14H16	000529-05-5	70
2		1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	52
3		1-Acenaphthvlenol, 1,2-dihydro-1...	184	C13H12O	041002-74-8	50
4		Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	49
5		[1,1'-Biphenyl]-4-amine	169	C12H11N	000092-67-1	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040617\
Data File : BF094227.D
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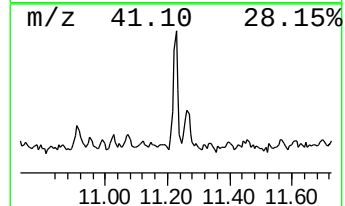
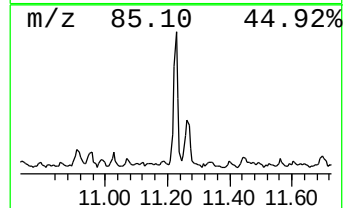
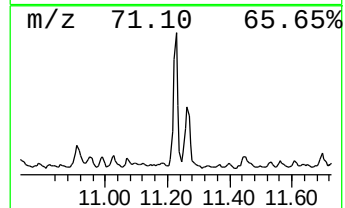
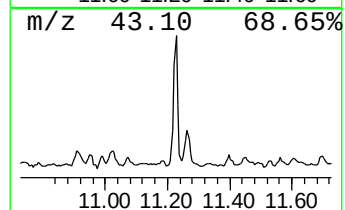
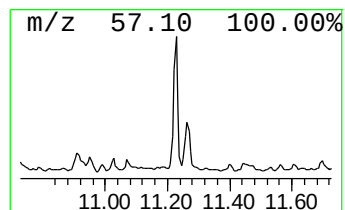
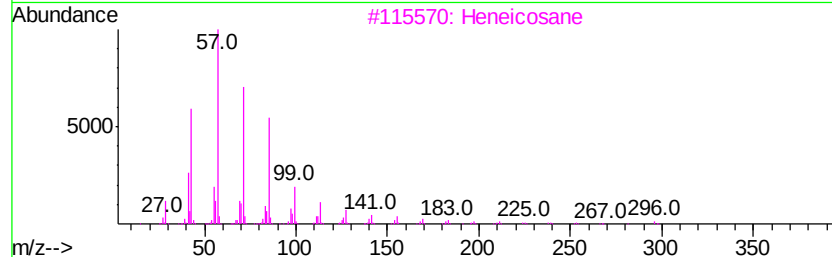
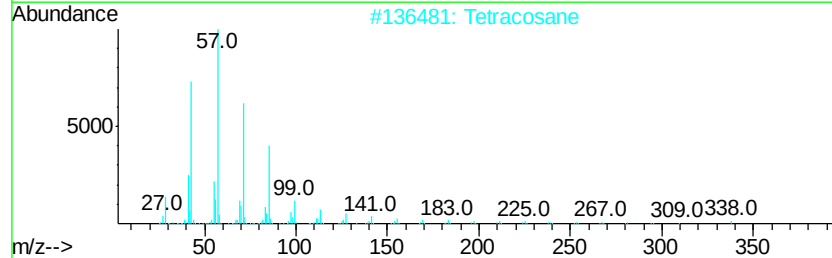
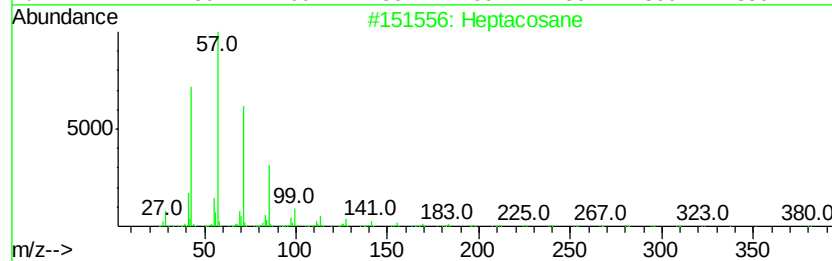
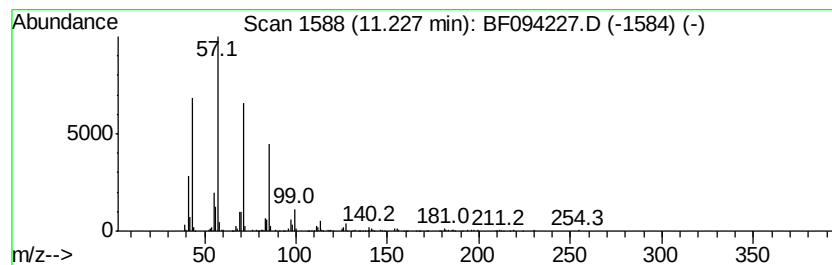
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Heptacosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	5.50 ng	373535	Phenanthrene-d10	11.32

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptacosane	380	C27H56	000593-49-7	91
2			Tetracosane	338	C24H50	000646-31-1	90
3			Heneicosane	296	C21H44	000629-94-7	90
4			Eicosane	282	C20H42	000112-95-8	87
5			Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040617\
Data File : BF094227.D
Acq On : 6 Apr 2017 14:44
Operator : SJ/MA
Sample : I2511-05
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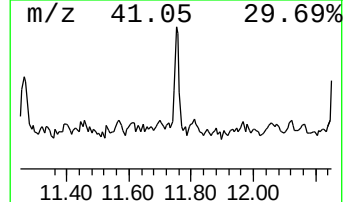
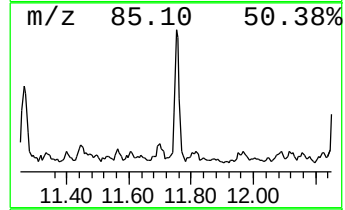
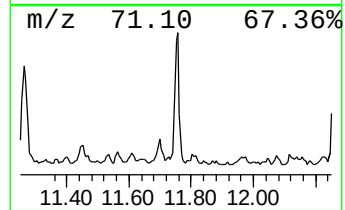
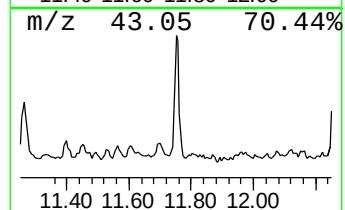
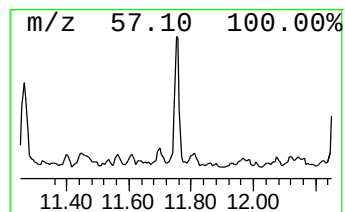
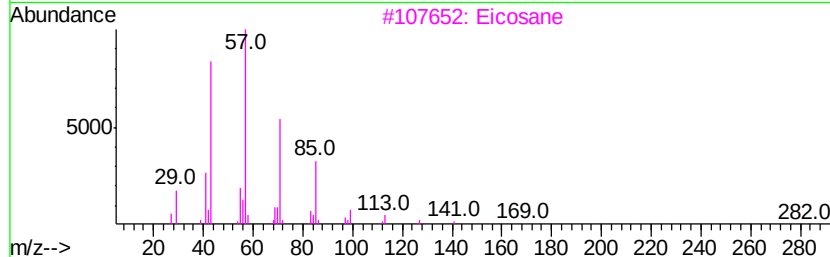
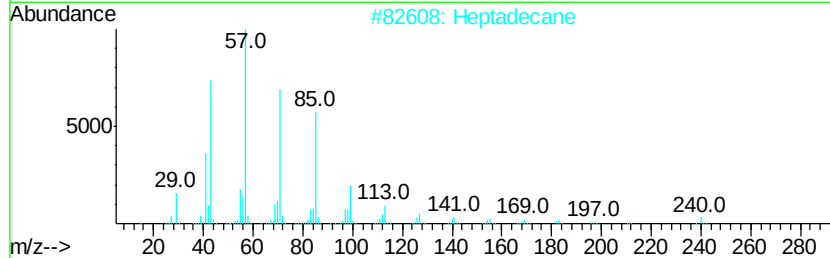
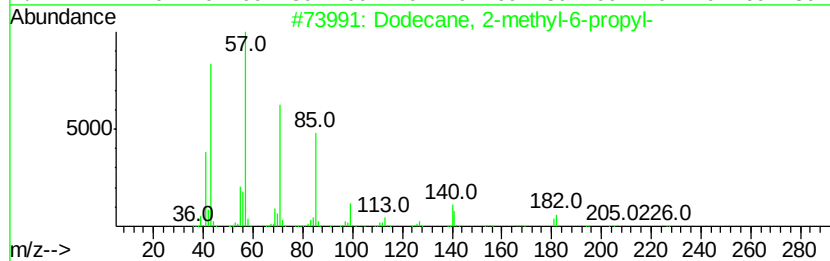
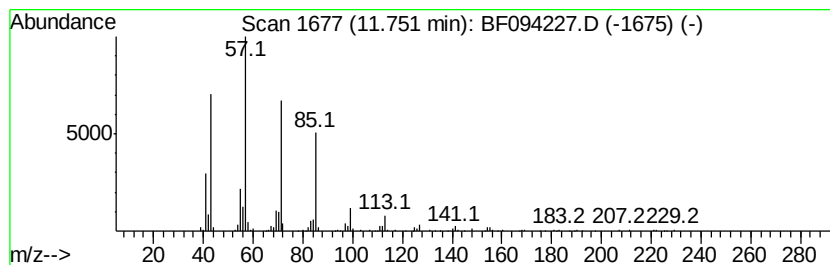
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Dodecane, 2-methyl-6-propyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.75	3.62 ng	245574	Phenanthrene-d10	11.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	91
2	Heptadecane	240	C17H36	000629-78-7	90
3	Eicosane	282	C20H42	000112-95-8	83
4	Tetradecane	198	C14H30	000629-59-4	80
5	Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	74



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040617\
Data File : BF094227.D
Acq On : 6 Apr 2017 14:44
Operator : SJ/MA
Sample : I2511-05
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ALS Vial : 11 Sample Multiplier: 1

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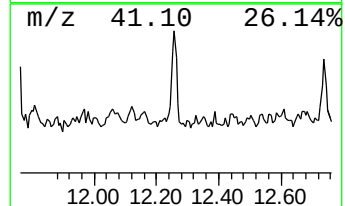
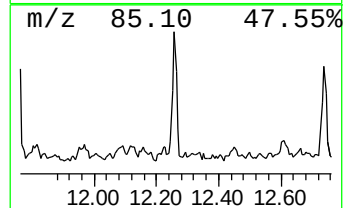
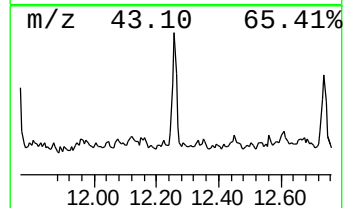
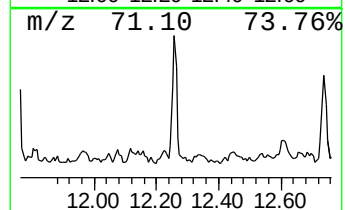
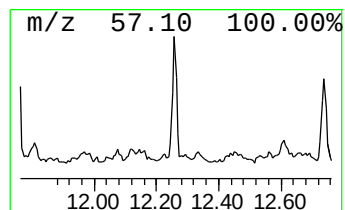
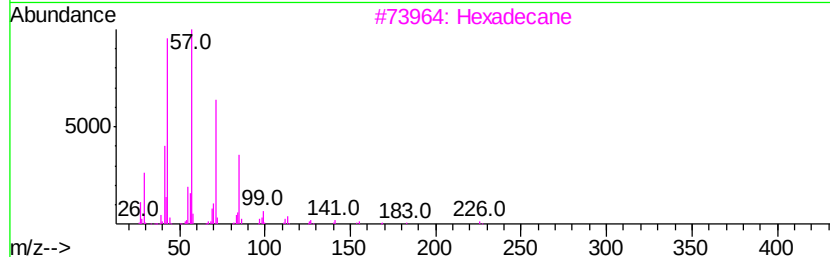
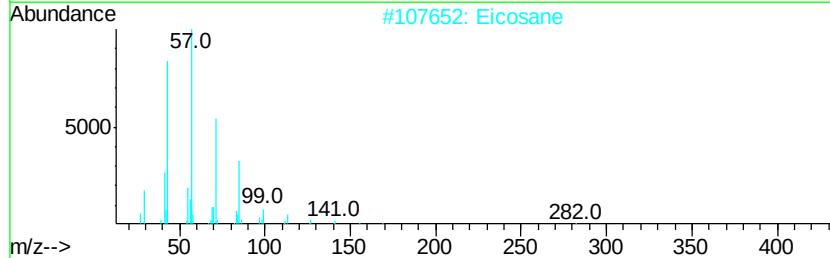
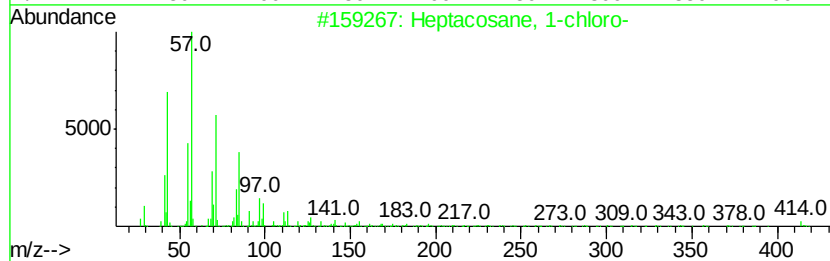
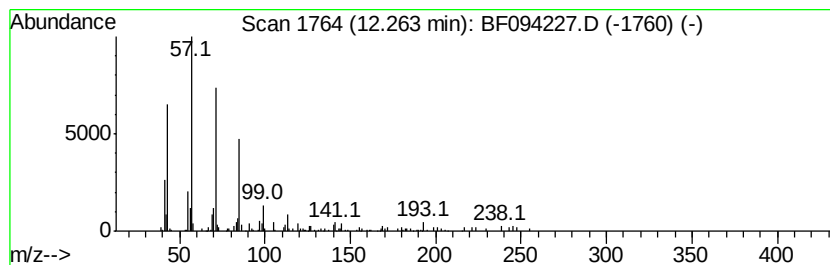
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Heptacosane, 1-chloro- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	2.70 ng	183483	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	86
2		Eicosane	282	C20H42	000112-95-8	80
3		Hexadecane	226	C16H34	000544-76-3	72
4		Octacosane	394	C28H58	000630-02-4	72
5		Heptacosane	380	C27H56	000593-49-7	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040617\
Data File : BF094227.D
Acq On : 6 Apr 2017 14:44
Operator : SJ/MA
Sample : I2511-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-3

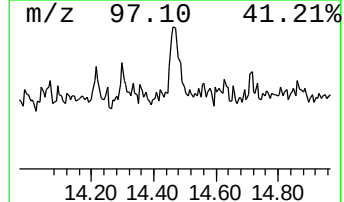
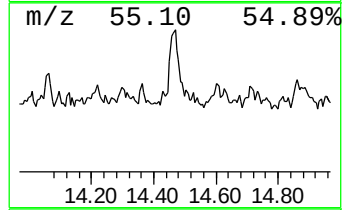
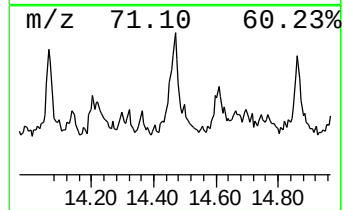
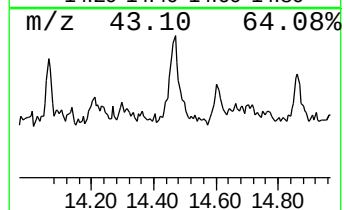
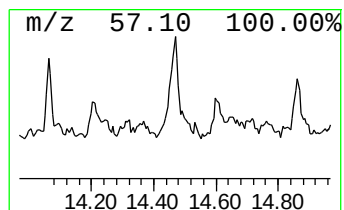
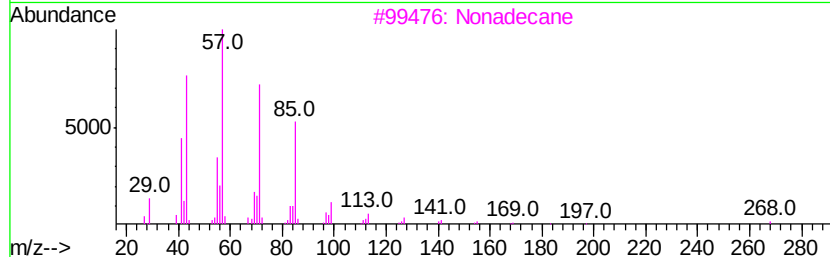
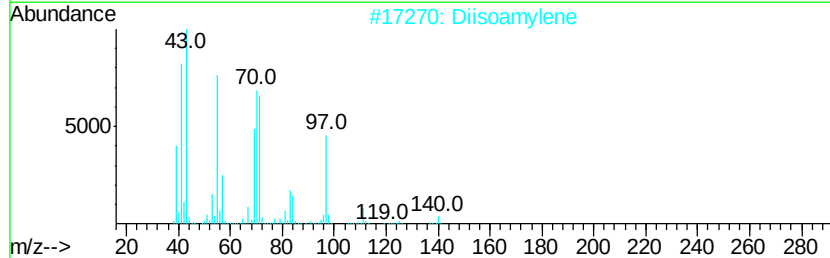
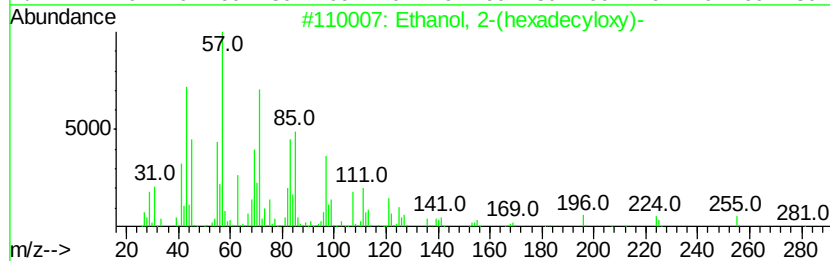
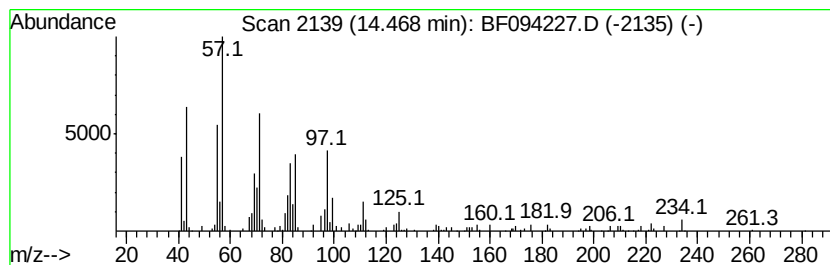
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Ethanol, 2-(hexadecyloxy)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	3.96 ng	214201	Chrysene-d12	14.56

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethanol, 2-(hexadecyloxy)-	286	C18H38O2	002136-71-2	80
2			Diisomylene	140	C10H20	054063-09-1	46
3			Nonadecane	268	C19H40	000629-92-5	43
4			Pentadecane	212	C15H32	000629-62-9	43
5			Hexadecane, 2-methyl-	240	C17H36	001560-92-5	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040617\
 Data File : BF094227.D
 Acq On : 6 Apr 2017 14:44
 Operator : SJ/MA
 Sample : I2511-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-CONCRETE-BATCH-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.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
3-Penten-2-one, 4...	3.45	9.3	ng	424301	1	5.85	910124	20.0
2-Pentanone, 4-hy...	3.99	33.3	ng	1515240	1	5.85	910124	20.0
unknown5.59	5.59	51.4	ng	2338580	1	5.85	910124	20.0
Naphthalene, 1-me...	8.34	2.7	ng	170938	2	7.35	1271770	20.0
Naphthalene, 2,6-...	8.99	3.7	ng	349738	3	9.49	1901380	20.0
Naphthalene, 2,3-...	9.08	5.4	ng	513335	3	9.49	1901380	20.0
Naphthalene, 2-(1...	9.63	2.7	ng	253587	3	9.49	1901380	20.0
Naphthalene, 2,3,...	9.76	4.2	ng	396269	3	9.49	1901380	20.0
Naphthalene, 1,6,...	9.80	3.5	ng	334247	3	9.49	1901380	20.0
Naphthalene, 1,4,...	10.00	4.7	ng	442291	3	9.49	1901380	20.0
Hexadecane	10.09	4.3	ng	411976	3	9.49	1901380	20.0
unknown10.63	10.63	2.9	ng	199098	4	11.32	1357220	20.0
Heptadecane	10.67	6.9	ng	470366	4	11.32	1357220	20.0
Azulene, 7-ethyl-...	11.02	3.0	ng	206077	4	11.32	1357220	20.0
Heptacosane	11.23	5.5	ng	373535	4	11.32	1357220	20.0
Dodecane, 2-methy...	11.75	3.6	ng	245574	4	11.32	1357220	20.0
Heptacosane, 1-ch...	12.26	2.7	ng	183483	4	11.32	1357220	20.0
Ethanol, 2-(hexad...	14.47	4.0	ng	214201	5	14.56	1081760	20.0