

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080318\
 Data File : BF107966.D
 Acq On : 4 Aug 2018 4:33
 Operator : JU/SJ
 Sample : J4321-01 10X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP1-NW-IMPACTED-0818

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.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	6.184	650	654	655	rBV	81482	80952	9.05%	0.425%
2	6.372	682	686	691	rBV4	36159	59861	6.69%	0.314%
3	6.431	691	696	699	rBV2	67519	79028	8.84%	0.415%
4	6.478	699	704	709	rBV3	113969	159177	17.80%	0.835%
5	6.684	737	739	743	rVB4	37771	45489	5.09%	0.239%
6	6.719	743	745	751	rVB4	42403	57074	6.38%	0.299%
7	6.901	772	776	779	rBV5	38935	66216	7.40%	0.347%
8	6.942	780	783	785	rBV	132660	115702	12.94%	0.607%
9	6.960	785	786	795	rVB2	70590	141661	15.84%	0.743%
10	7.078	804	806	811	rBV4	82381	102585	11.47%	0.538%
11	7.207	823	828	831	rVV3	171763	177840	19.89%	0.933%
12	7.237	831	833	836	rVB	65946	47418	5.30%	0.249%
13	7.272	836	839	843	rBV2	59750	83662	9.35%	0.439%
14	7.319	843	847	849	rBV	86148	90349	10.10%	0.474%
15	7.366	852	855	859	rVB4	52852	75737	8.47%	0.397%
16	7.478	868	874	877	rBV4	130392	216389	24.20%	1.135%
17	7.513	877	880	883	rVB2	112953	109276	12.22%	0.573%
18	7.584	887	892	895	rBV5	87021	145957	16.32%	0.766%
19	7.631	895	900	904	rBV3	81633	131035	14.65%	0.688%
20	7.678	904	908	911	rBV5	34537	57516	6.43%	0.302%
21	7.713	911	914	917	rBV2	135305	106231	11.88%	0.557%
22	7.754	918	921	925	rVB3	60140	90645	10.14%	0.476%
23	7.813	925	931	932	rBV5	45912	74134	8.29%	0.389%
24	7.842	933	936	938	rBV2	52582	45141	5.05%	0.237%
25	7.866	938	940	942	rBV2	60967	61938	6.93%	0.325%
26	7.895	942	945	949	rVB3	61482	80787	9.03%	0.424%
27	7.931	949	951	954	rVB	74952	58667	6.56%	0.308%
28	7.966	954	957	962	rBV	247575	282626	31.60%	1.483%
29	8.007	962	964	966	rVB	83182	61132	6.84%	0.321%
30	8.042	966	970	976	rVB4	81975	90443	10.11%	0.475%
31	8.095	976	979	982	rBV	90947	85316	9.54%	0.448%
32	8.172	986	992	993	rBV3	67943	89890	10.05%	0.472%
33	8.213	995	999	1001	rVV	111913	149426	16.71%	0.784%
34	8.242	1001	1004	1007	rVV	410862	531120	59.39%	2.787%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.272	1007	1009	1012	rVB	473185	395688	44.24%	2.076%
36	8.313	1012	1016	1021	rVB5	128829	184856	20.67%	0.970%
37	8.384	1023	1028	1029	rBV3	42059	72011	8.05%	0.378%
38	8.425	1033	1035	1041	rVB2	188307	174784	19.54%	0.917%
39	8.478	1041	1044	1046	rBV3	59092	73318	8.20%	0.385%
40	8.513	1046	1050	1054	rVB5	230293	301213	33.68%	1.581%
41	8.554	1054	1057	1060	rBV3	90858	93338	10.44%	0.490%
42	8.636	1068	1071	1073	rVB	337546	279538	31.26%	1.467%
43	8.660	1073	1075	1078	rBV3	98114	101217	11.32%	0.531%
44	8.695	1079	1081	1084	rVB2	105209	85680	9.58%	0.450%
45	8.731	1084	1087	1089	rBV3	145155	145563	16.28%	0.764%
46	8.760	1090	1092	1095	rVB3	123532	104284	11.66%	0.547%
47	8.825	1099	1103	1104	rBV3	122351	126819	14.18%	0.665%
48	8.860	1107	1109	1113	rVB3	99562	119462	13.36%	0.627%
49	8.901	1113	1116	1118	rBV2	144007	133898	14.97%	0.703%
50	8.972	1123	1128	1131	rBV6	97719	161710	18.08%	0.849%
51	9.025	1135	1137	1139	rBV3	53566	52659	5.89%	0.276%
52	9.054	1139	1142	1146	rVV2	295701	372885	41.69%	1.957%
53	9.089	1146	1148	1150	rVV2	77485	68121	7.62%	0.357%
54	9.131	1153	1155	1159	rVB3	129053	137546	15.38%	0.722%
55	9.172	1159	1162	1165	rVB4	98149	106876	11.95%	0.561%
56	9.213	1166	1169	1170	rBV2	114571	110425	12.35%	0.579%
57	9.236	1170	1173	1175	rVB	371373	253090	28.30%	1.328%
58	9.319	1184	1187	1191	rBV4	97767	91450	10.23%	0.480%
59	9.383	1195	1198	1201	rVB3	154063	140366	15.70%	0.737%
60	9.419	1201	1204	1205	rBV3	67135	63273	7.07%	0.332%
61	9.454	1208	1210	1213	rVB3	117068	99022	11.07%	0.520%
62	9.489	1214	1216	1218	rBV3	50511	58784	6.57%	0.308%
63	9.519	1218	1221	1226	rVB2	151419	232797	26.03%	1.222%
64	9.583	1228	1232	1236	rBV	433248	645752	72.21%	3.388%
65	9.654	1241	1244	1246	rVV	616367	672819	75.23%	3.531%
66	9.689	1246	1250	1254	rVV3	611920	894321	100.00%	4.693%
67	9.754	1258	1261	1262	rBV	81664	58534	6.55%	0.307%
68	9.772	1262	1264	1271	rVB4	205630	398870	44.60%	2.093%
69	9.854	1275	1278	1282	rBV3	140828	163215	18.25%	0.856%
70	9.942	1291	1293	1295	rBV2	49563	45385	5.07%	0.238%
71	9.972	1295	1298	1300	rBV3	89014	100024	11.18%	0.525%

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72	9.995	1300	1302	1307	rBV2	443498	542338	60.64%	2.846%
73	10.101	1316	1320	1323	rBV2	286912	406231	45.42%	2.132%
74	10.195	1332	1336	1339	rBV2	359443	388493	43.44%	2.039%
75	10.236	1340	1343	1346	rVB3	311601	295709	33.07%	1.552%
76	10.313	1352	1356	1359	rBV	280699	325896	36.44%	1.710%
77	10.342	1359	1361	1365	rVB2	273610	276158	30.88%	1.449%
78	10.401	1367	1371	1373	rBV2	182170	216424	24.20%	1.136%
79	10.425	1373	1375	1379	rVB2	117786	152575	17.06%	0.801%
80	10.519	1389	1391	1392	rBV	70057	57014	6.38%	0.299%
81	10.536	1392	1394	1396	rVV2	90861	70709	7.91%	0.371%
82	10.566	1396	1399	1402	rVV3	129058	163683	18.30%	0.859%
83	10.625	1405	1409	1412	rVV2	445592	560286	62.65%	2.940%
84	10.748	1427	1430	1434	rBV5	87967	107913	12.07%	0.566%
85	10.783	1434	1436	1438	rVV3	78873	69512	7.77%	0.365%
86	10.819	1440	1442	1444	rVB	130828	102875	11.50%	0.540%
87	10.889	1451	1454	1456	rBV	491838	462212	51.68%	2.425%
88	10.983	1467	1470	1473	rBV2	133009	170092	19.02%	0.893%
89	11.130	1492	1495	1498	rBV2	208596	233548	26.11%	1.226%
90	11.354	1530	1533	1536	rBV	458421	422750	47.27%	2.218%
91	11.501	1554	1558	1560	rBV	427218	501360	56.06%	2.631%
92	11.601	1573	1575	1578	rBV2	96503	97673	10.92%	0.513%
93	12.001	1640	1643	1646	rBV2	195423	287752	32.18%	1.510%
94	12.030	1646	1648	1652	rVB	194694	201780	22.56%	1.059%
95	12.107	1659	1661	1664	rBV3	159514	135671	15.17%	0.712%
96	12.477	1721	1724	1726	rBV	159132	156651	17.52%	0.822%
97	12.548	1733	1736	1739	rBV	424252	480581	53.74%	2.522%
98	12.960	1803	1806	1810	rBV2	207669	241752	27.03%	1.269%
99	13.001	1810	1813	1816	rBV	243842	278147	31.10%	1.460%
100	14.160	2007	2010	2015	rBV	375049	481530	53.84%	2.527%

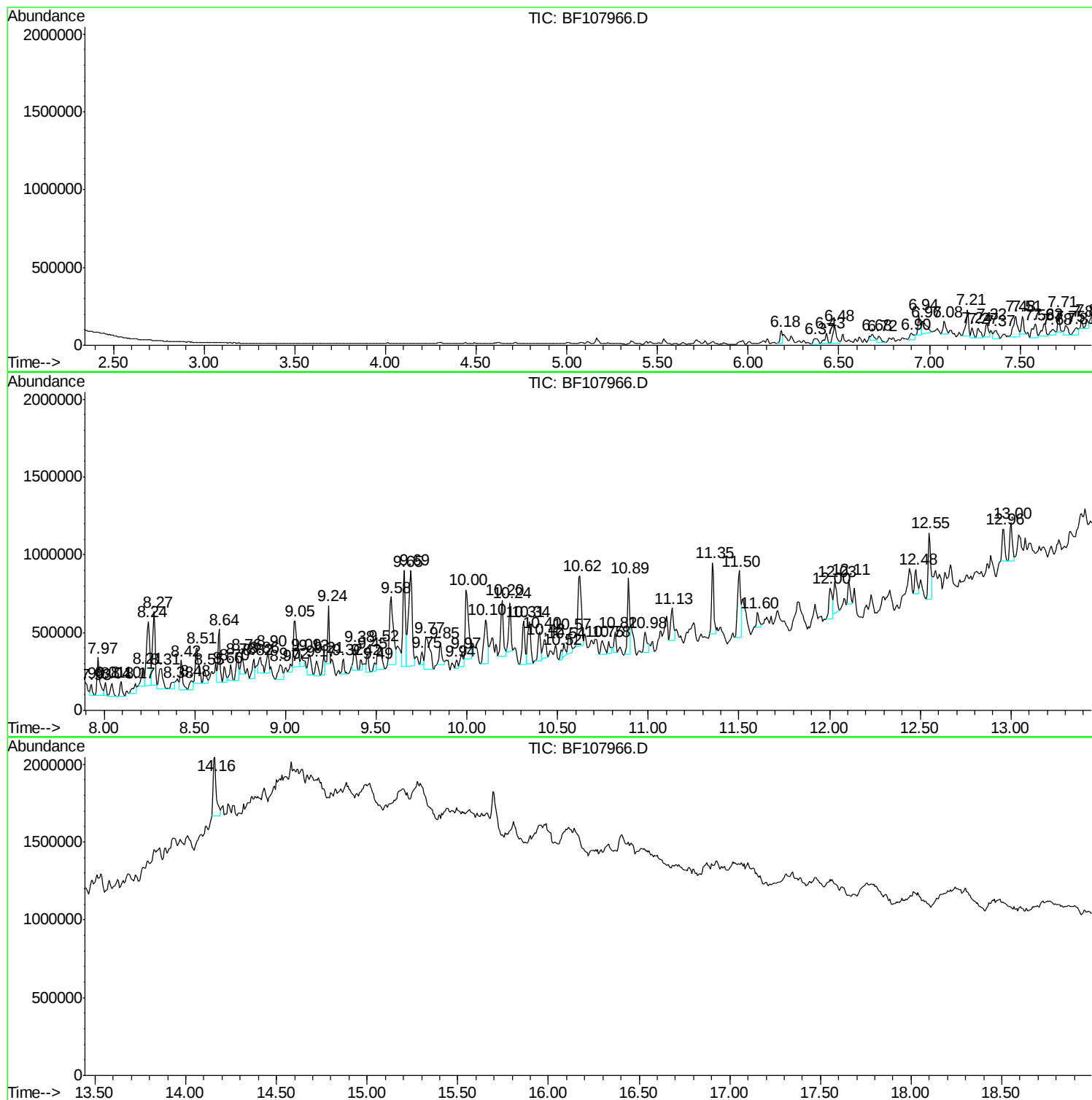
Sum of corrected areas: 19057328

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.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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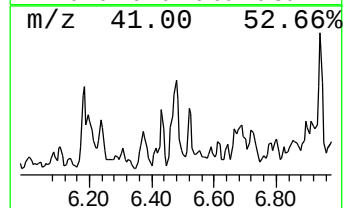
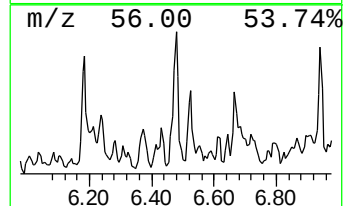
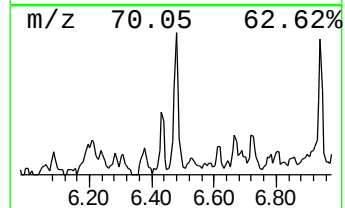
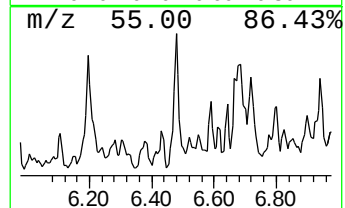
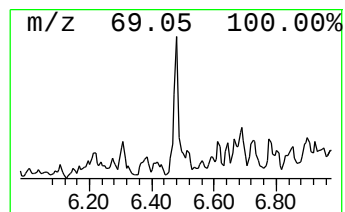
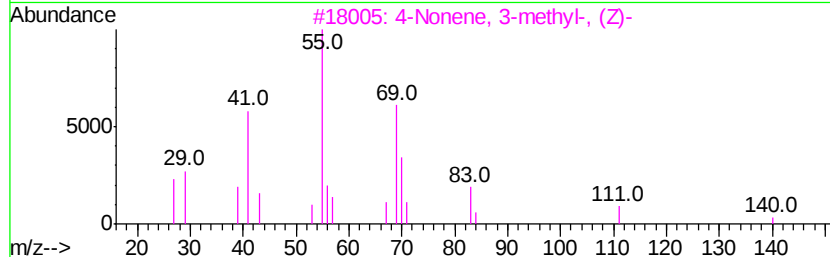
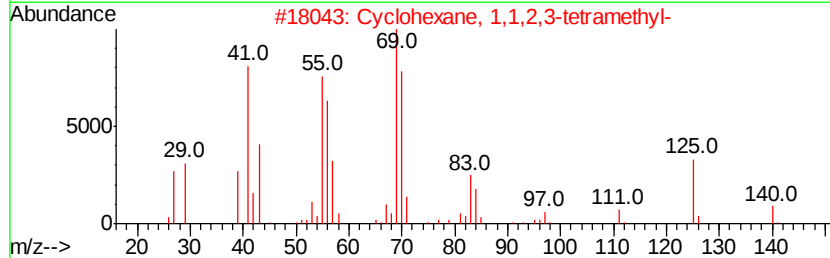
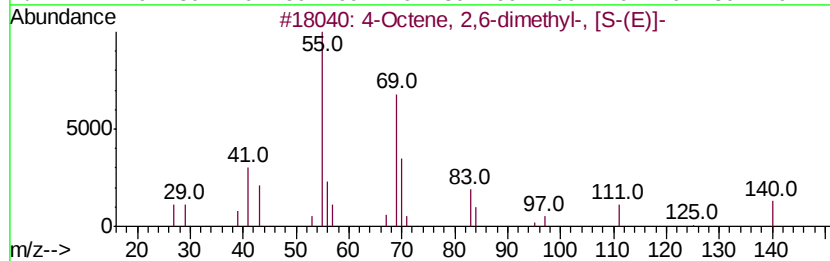
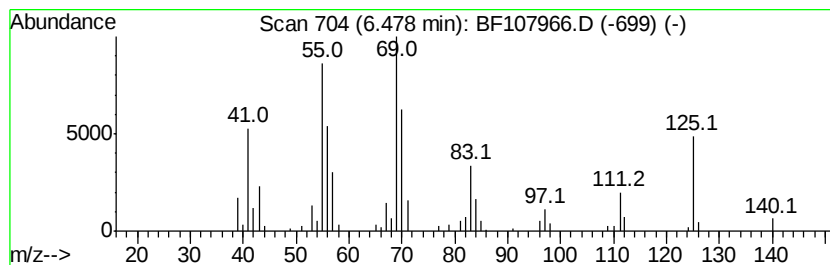
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 4-Octene, 2,6-dimethyl-, [S... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.48	22.47 ng	159177	1,4-Dichlorobenzene-d4	6.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	68
2		Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	68
3		4-Nonene, 3-methyl-, (Z)-	140	C10H20	063830-69-3	52
4		1-Decene	140	C10H20	000872-05-9	50
5		3-Nonene, 2-methyl-	140	C10H20	053966-53-3	49



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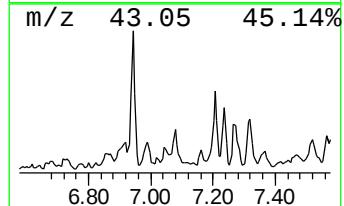
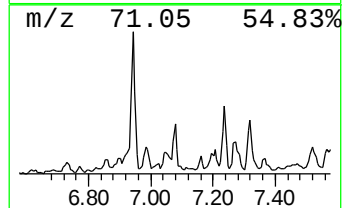
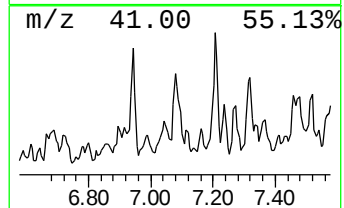
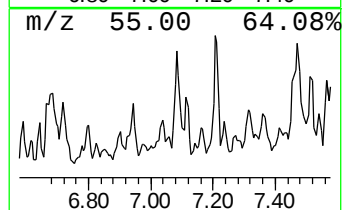
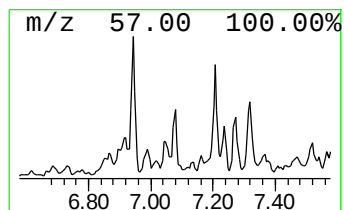
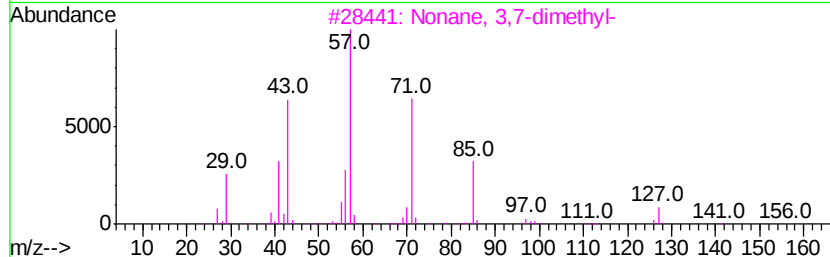
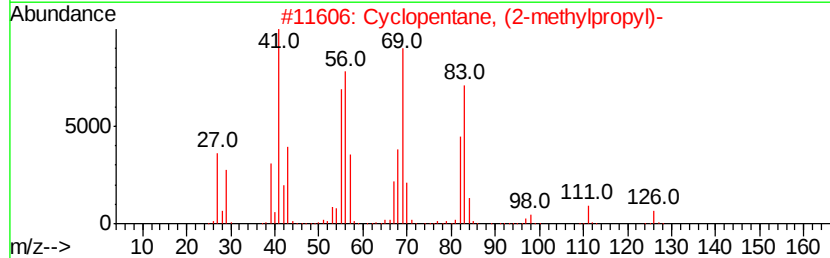
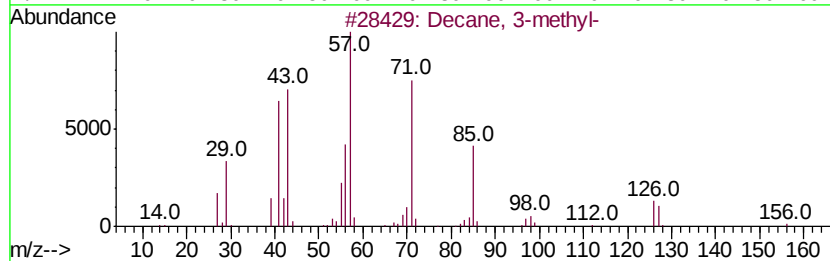
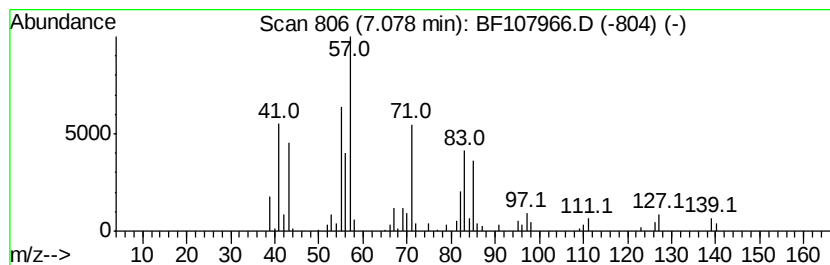
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TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown7.08 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.08	14.48 ng	102585	1,4-Dichlorobenzene-d4	6.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 3-methyl-	156	C11H24	013151-34-3	43
2		Cyclopentane, (2-methylpropyl)-	126	C9H18	003788-32-7	41
3		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	38
4		Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	38
5		Nonane, 3-methyl-	142	C10H22	005911-04-6	38



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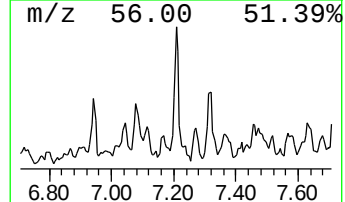
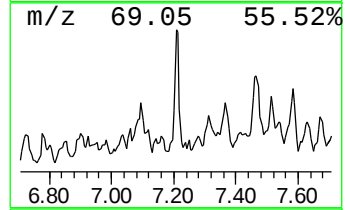
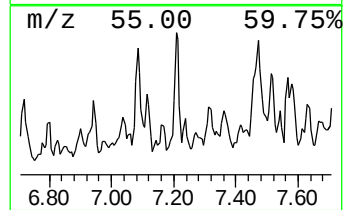
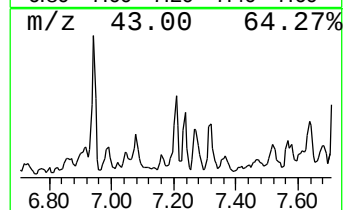
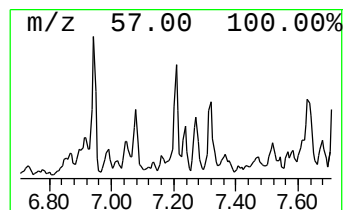
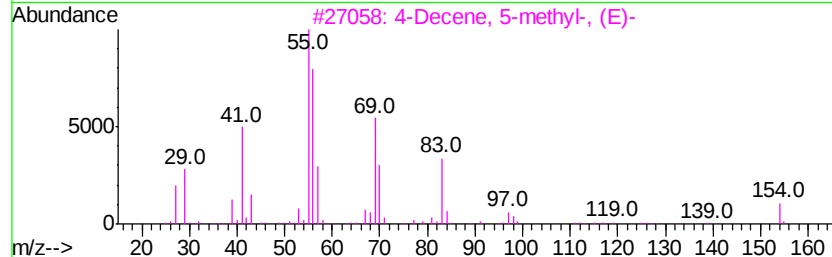
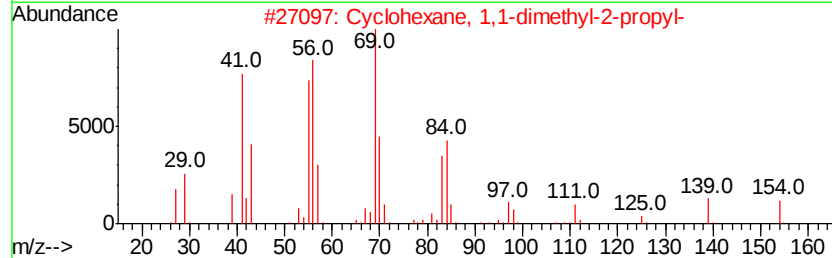
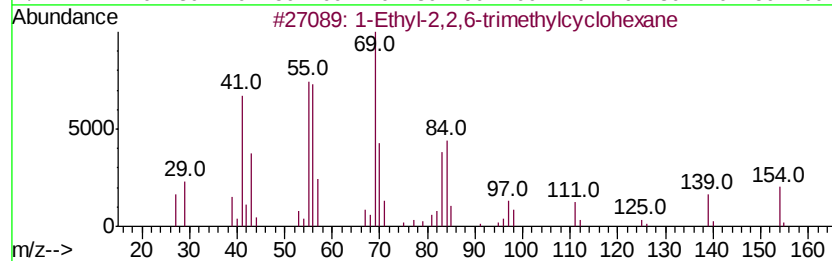
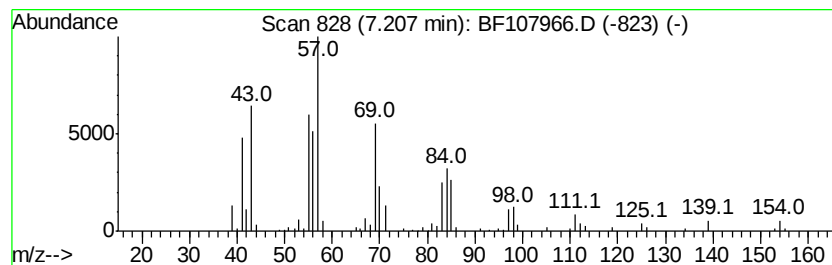
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 1-Ethyl-2,2,6-trimethylcycl... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.21	25.11 ng	177840	1,4-Dichlorobenzene-d4	6.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	59
2		Cyclohexane, 1,1-dimethyl-2-propyl-	154	C11H22	081983-71-3	49
3		4-Decene, 5-methyl-, (E)-	154	C11H22	062338-51-6	46
4		5-Undecene	154	C11H22	004941-53-1	46
5		Cyclopropane, 1,2-dibutyl-	154	C11H22	041977-32-6	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107966.D
Acq On : 4 Aug 2018 4:33
Operator : JU/SJ
Sample : J4321-01 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
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ClientSampleId :
EP1-NW-IMPACTED-0818

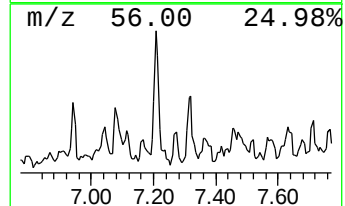
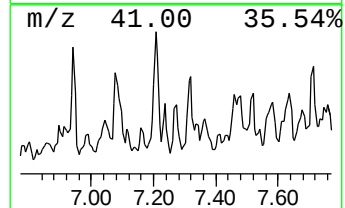
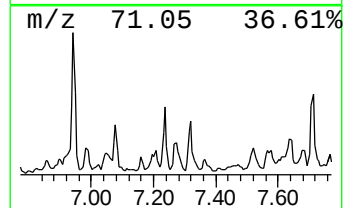
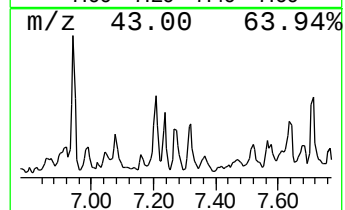
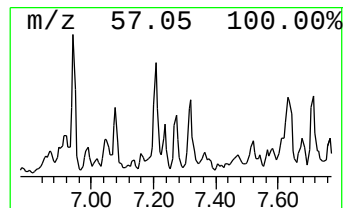
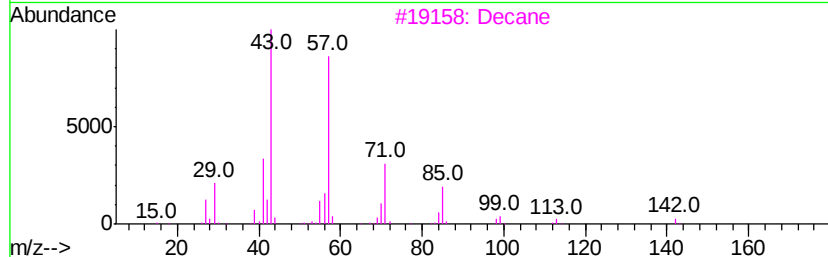
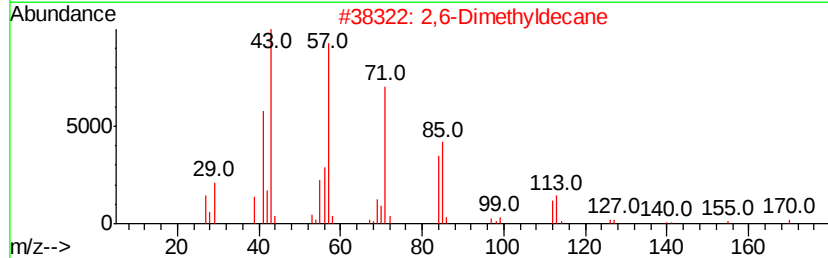
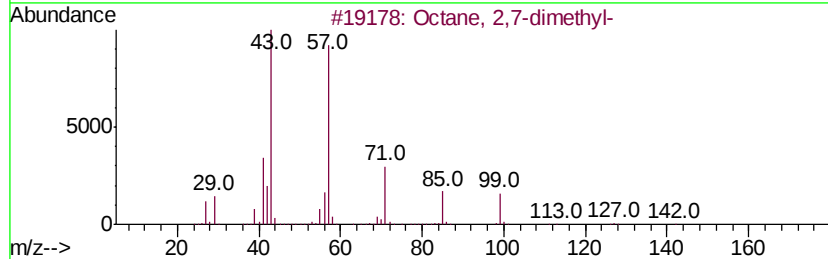
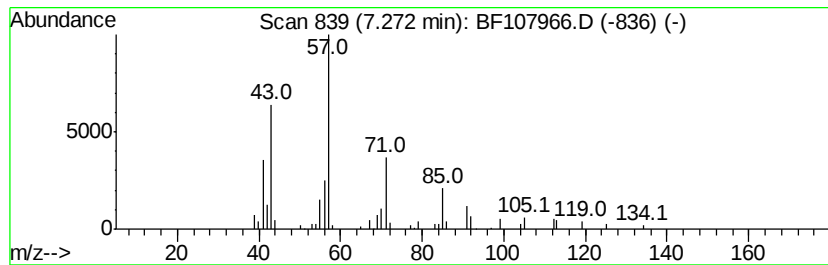
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Octane, 2,7-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.27	11.81 ng	83662	1,4-Dichlorobenzene-d4	6.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 2,7-dimethyl-	142	C10H22	001072-16-8	53
2		2,6-Dimethyldecane	170	C12H26	013150-81-7	50
3		Decane	142	C10H22	000124-18-5	50
4		Tetradecane	198	C14H30	000629-59-4	47
5		1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	43



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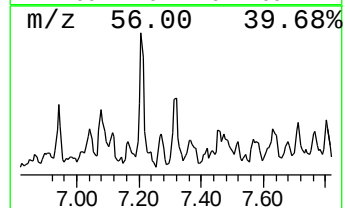
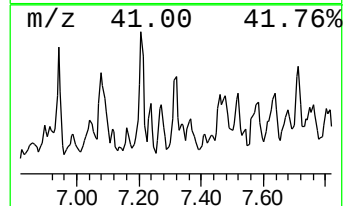
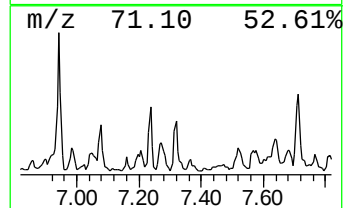
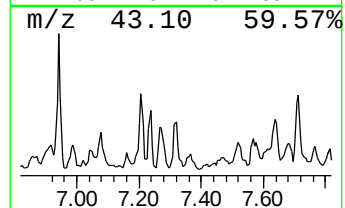
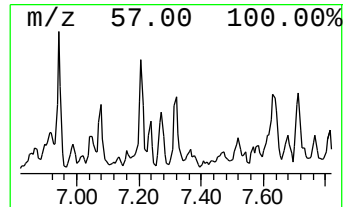
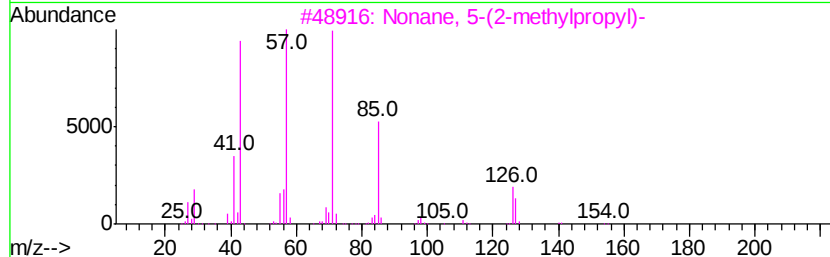
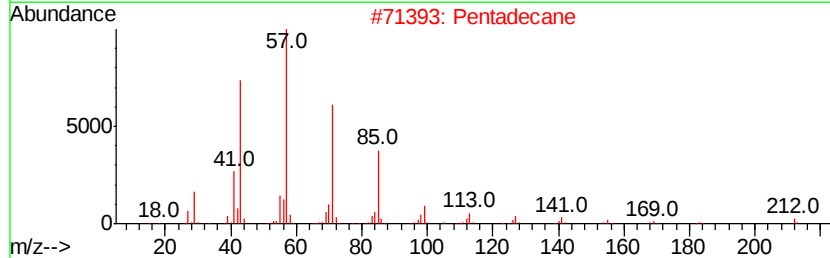
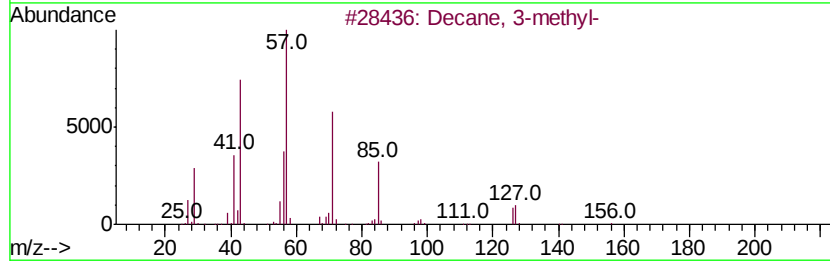
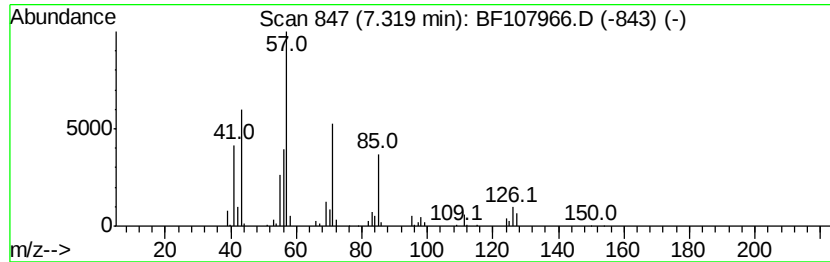
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Decane, 3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.32	12.76 ng	90349	1,4-Dichlorobenzene-d4	6.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 3-methyl-	156	C11H24	013151-34-3	78
2		Pentadecane	212	C15H32	000629-62-9	50
3		Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	50
4		Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	50
5		Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	50



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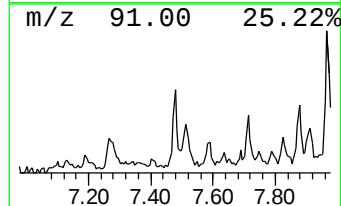
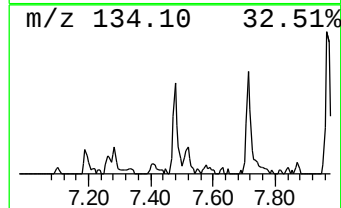
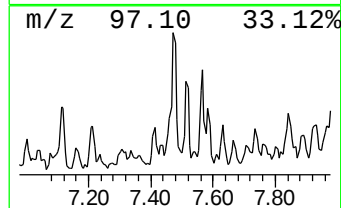
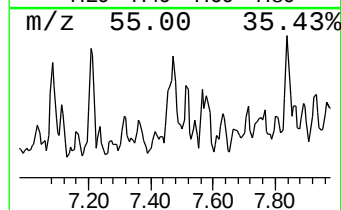
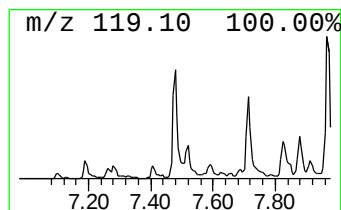
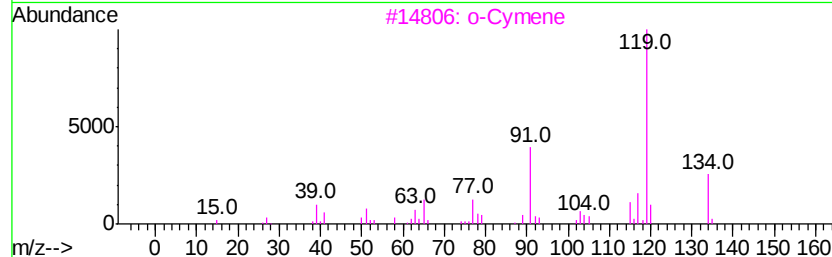
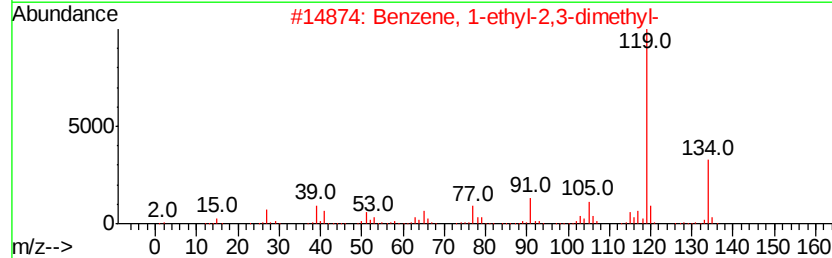
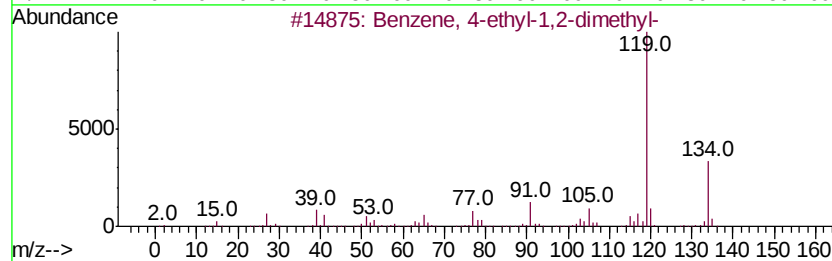
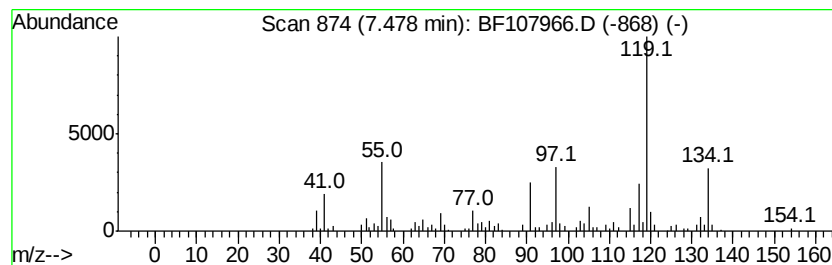
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.48	30.55 ng	216389	1,4-Dichlorobenzene-d4	6.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	92
2		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	76
3		o-Cymene	134	C10H14	000527-84-4	76
4		p-Cymene	134	C10H14	000099-87-6	76
5		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107966.D
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Operator : JU/SJ
Sample : J4321-01 10X
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ALS Vial : 31 Sample Multiplier: 1

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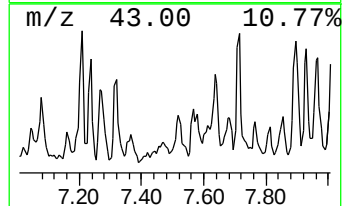
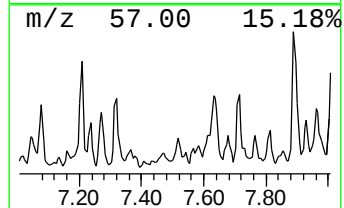
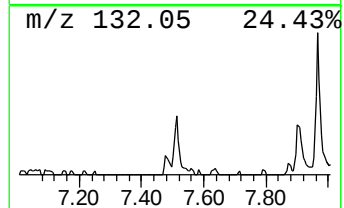
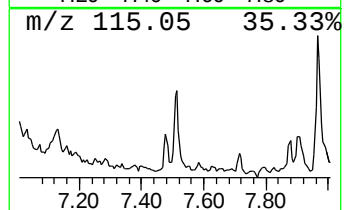
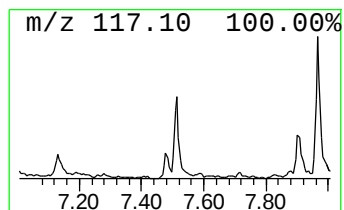
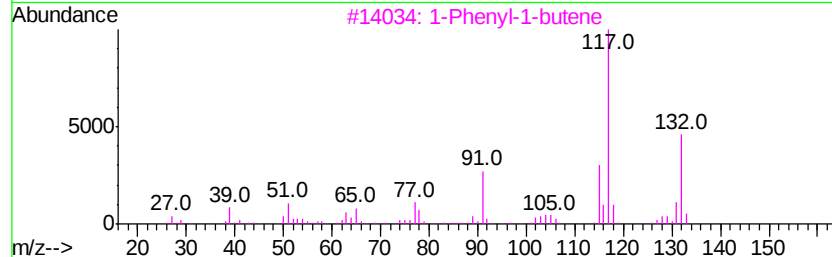
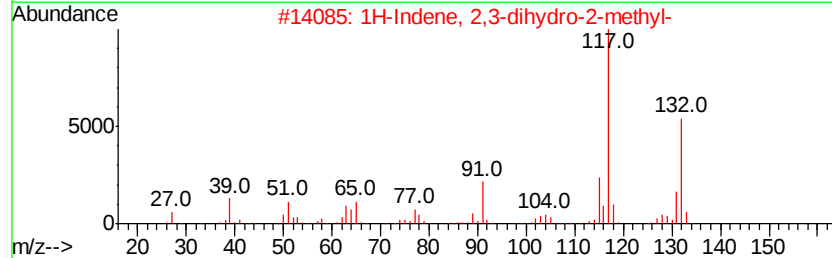
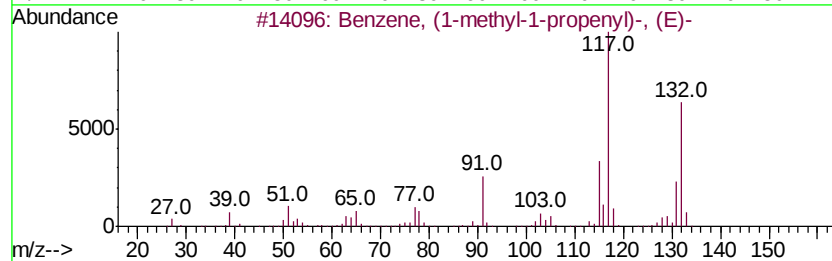
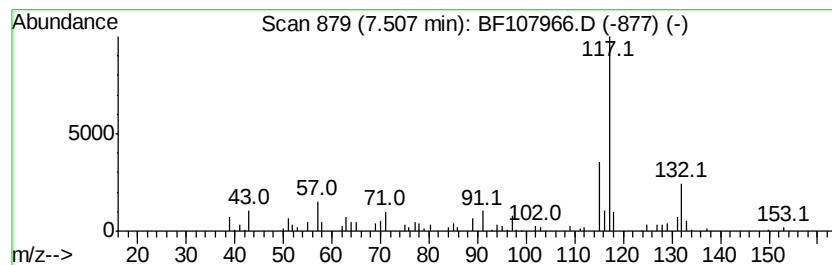
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Benzene, (1-methyl-1-propen... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.51	15.43 ng	109276	1,4-Dichlorobenzene-d4	6.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	76
2		1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	68
3		1-Phenyl-1-butene	132	C10H12	000824-90-8	68
4		Benzene, 2-butenyl-	132	C10H12	001560-06-1	68
5		Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	64



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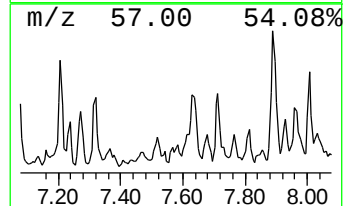
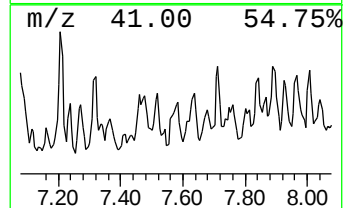
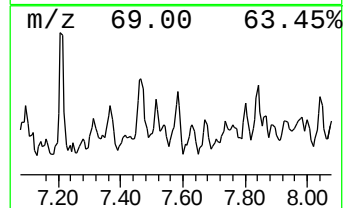
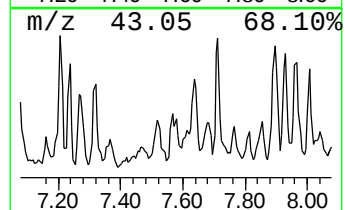
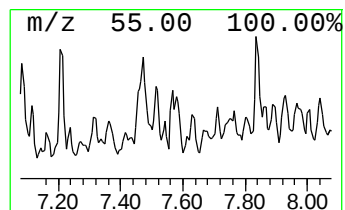
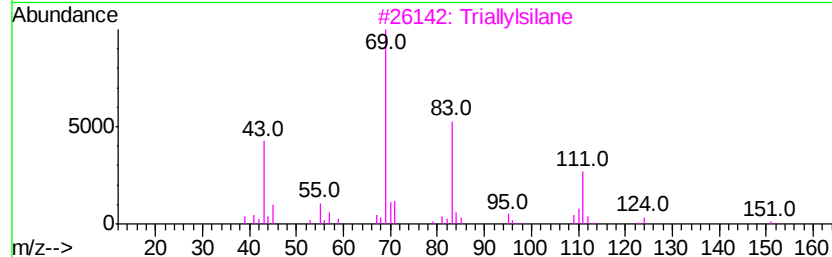
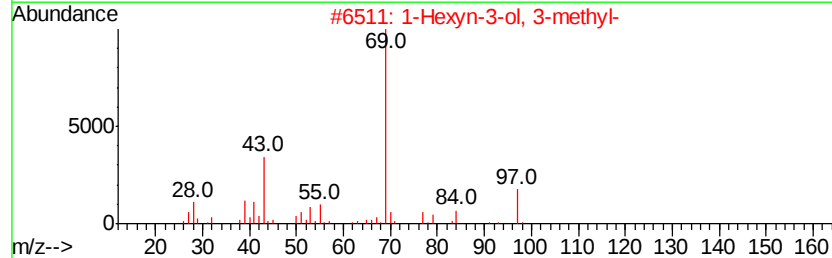
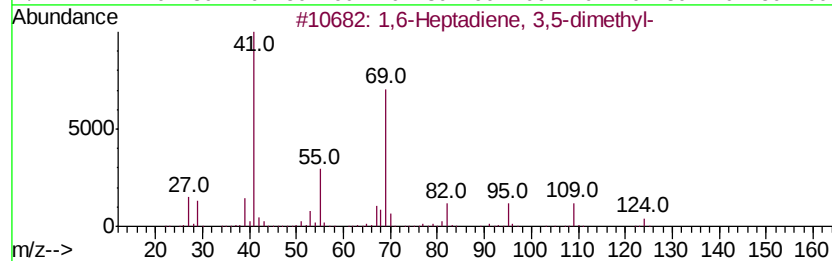
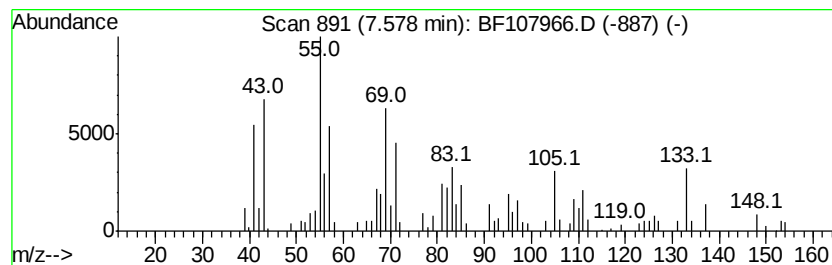
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 unknown7.58 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.58	20.61 ng	145957	1,4-Dichlorobenzene-d4	6.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,6-Heptadiene, 3,5-dimethyl-	124	C9H16	068701-99-5	30
2		1-Hexyn-3-ol, 3-methyl-	112	C7H12O	004339-05-3	27
3		Triallylsilane	152	C9H16Si	001116-62-7	27
4		cis-2,6-Dimethyl-2,6-octadiene	138	C10H18	002492-22-0	22
5		2,6-Octadiene, 2,6-dimethyl-	138	C10H18	002792-39-4	22



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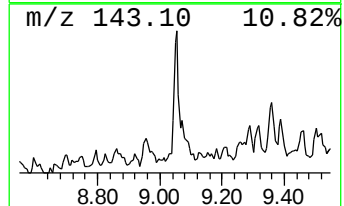
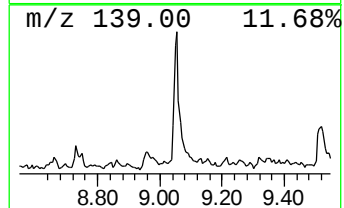
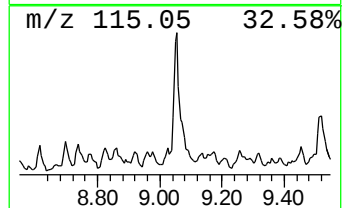
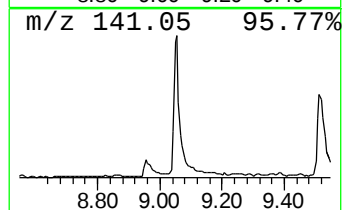
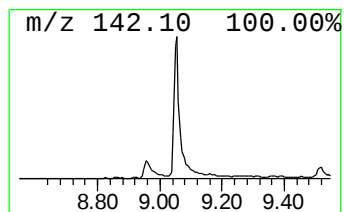
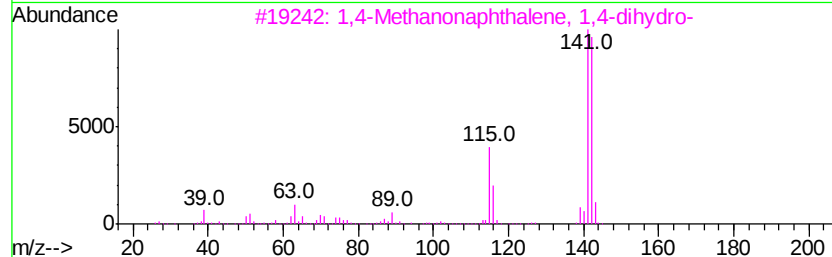
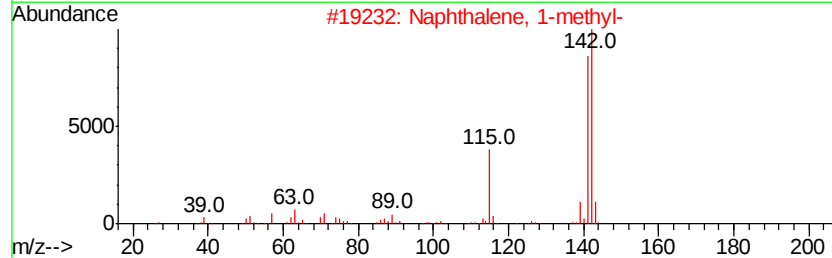
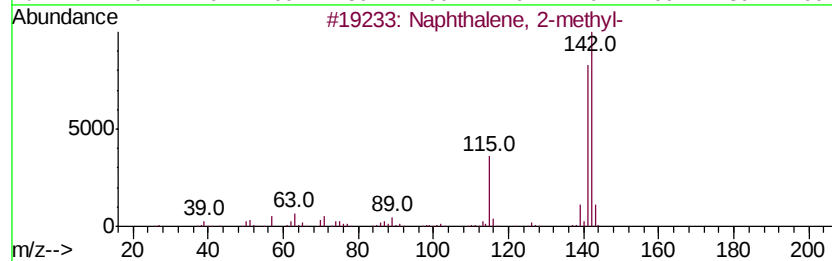
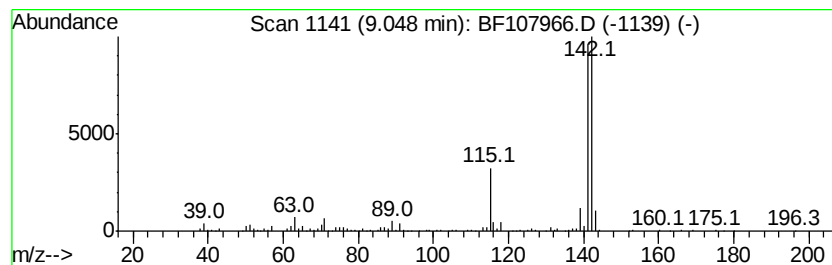
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.05	14.04 ng	372885	Naphthalene-d8	8.24

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3		1,4-Methanonaphthalene, 1,4-dihv...	142	C11H10	004453-90-1	90
4		Benzocycloheptatriene	142	C11H10	000264-09-5	90
5		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	90



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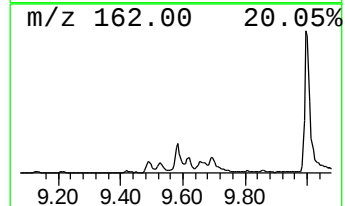
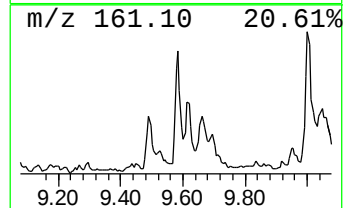
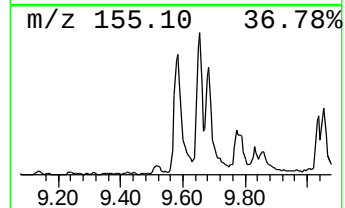
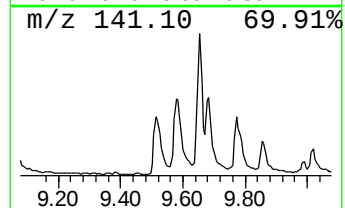
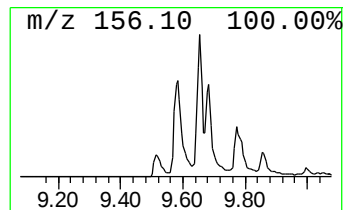
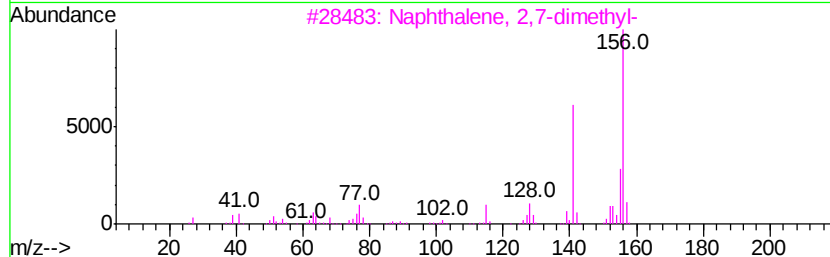
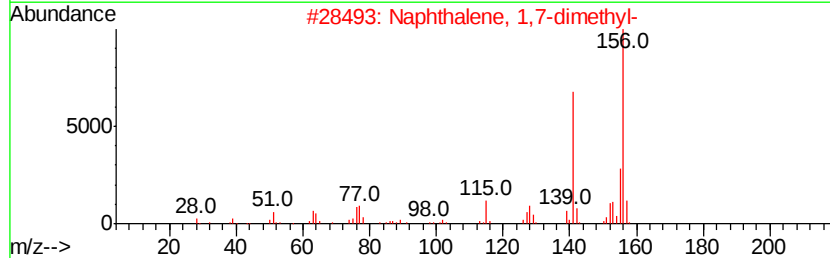
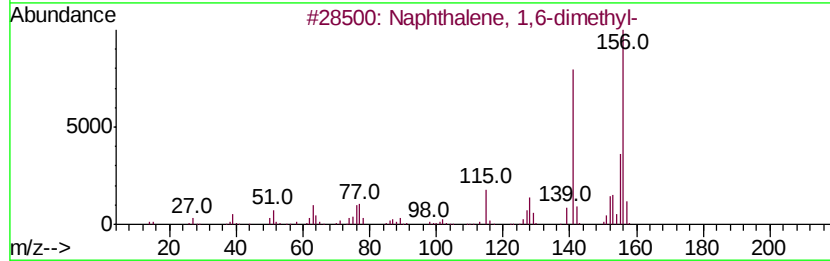
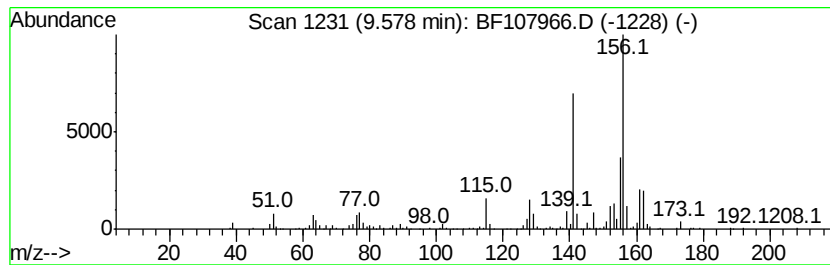
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 1,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.58	23.81 ng	645752	Acenaphthene-d10	10.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107966.D
Acq On : 4 Aug 2018 4:33
Operator : JU/SJ
Sample : J4321-01 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EP1-NW-IMPACTED-0818

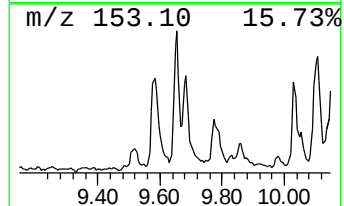
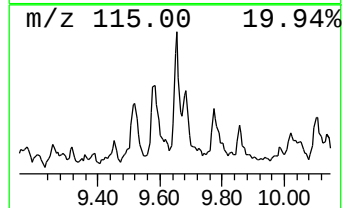
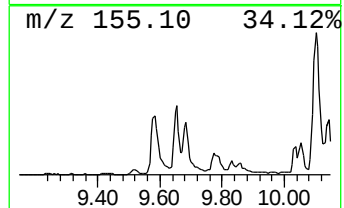
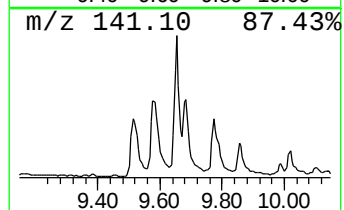
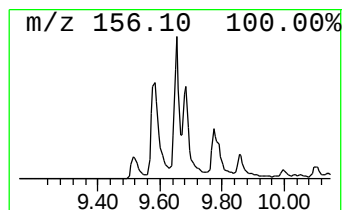
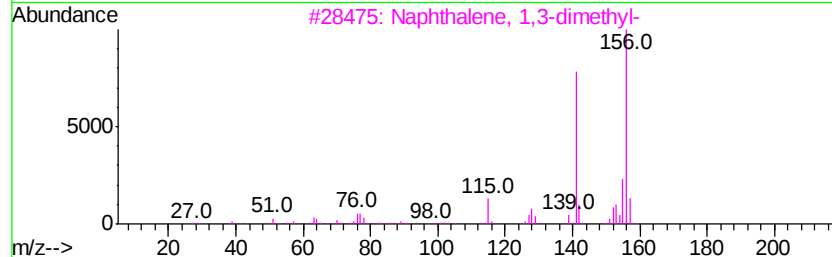
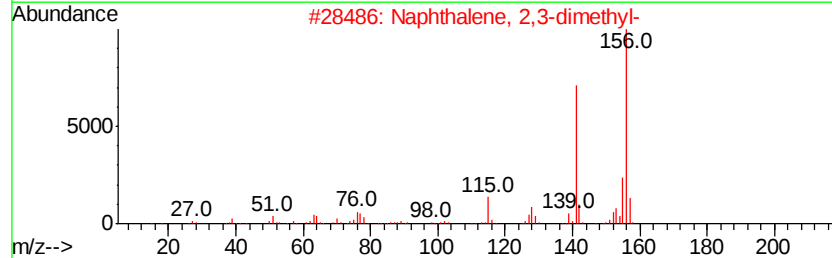
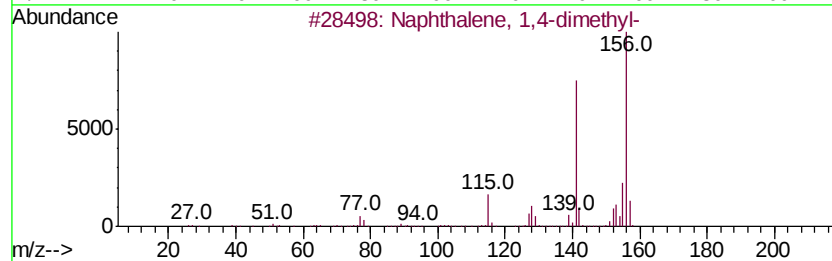
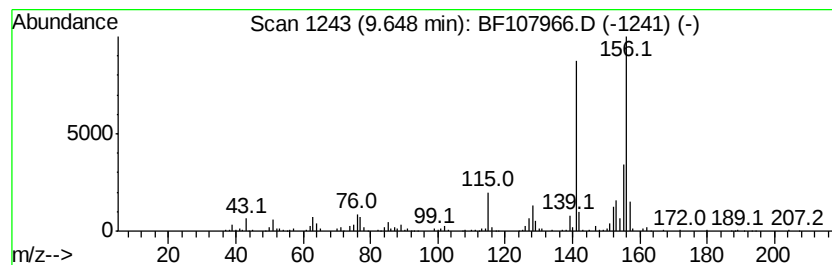
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.65	24.81 ng	672819	Acenaphthene-d10	10.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
2		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107966.D
Acq On : 4 Aug 2018 4:33
Operator : JU/SJ
Sample : J4321-01 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

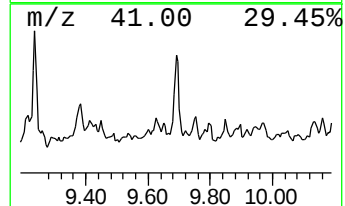
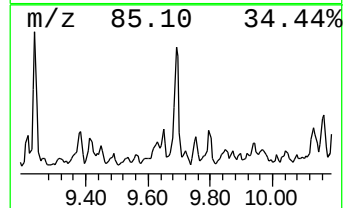
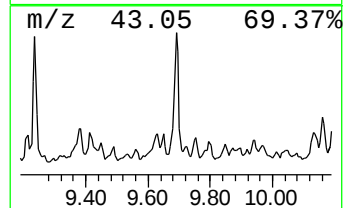
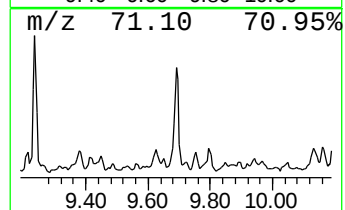
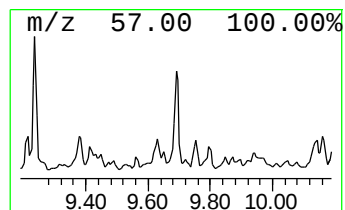
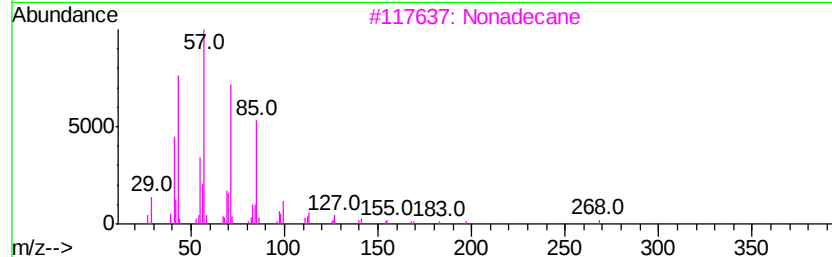
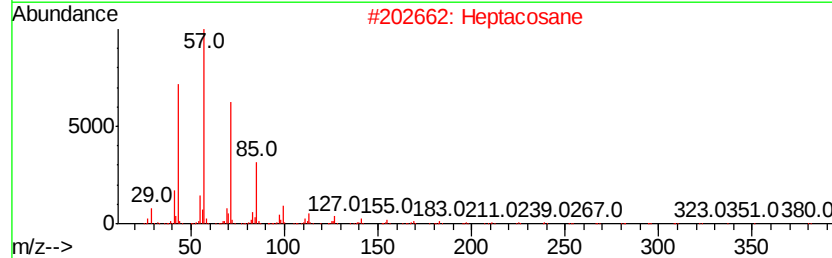
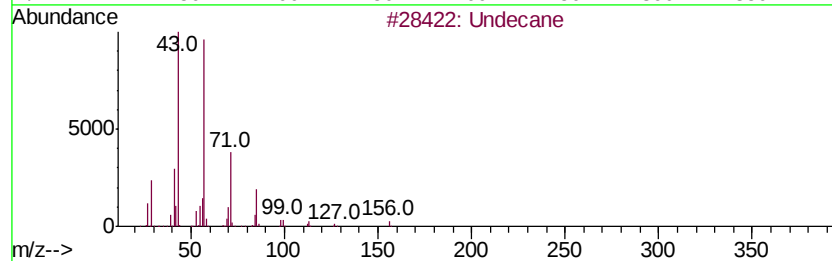
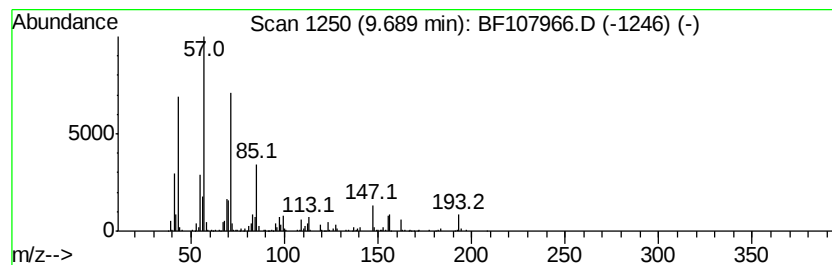
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ClientSampleId :
EP1-NW-IMPACTED-0818

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Undecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.69	32.98 ng	894321	Acenaphthene-d10	10.00
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Undecane	156 C11H24	001120-21-4	62
2	Heptacosane	380 C27H56	000593-49-7	58
3	Nonadecane	268 C19H40	000629-92-5	53
4	Tridecane, 2-methyl-	198 C14H30	001560-96-9	53
5	Tridecane, 6-propyl-	226 C16H34	055045-10-8	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107966.D
Acq On : 4 Aug 2018 4:33
Operator : JU/SJ
Sample : J4321-01 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EP1-NW-IMPACTED-0818

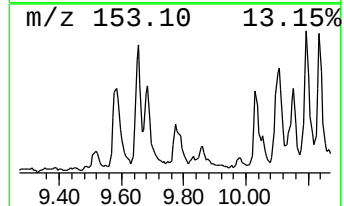
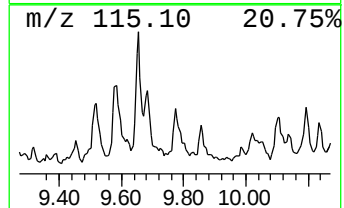
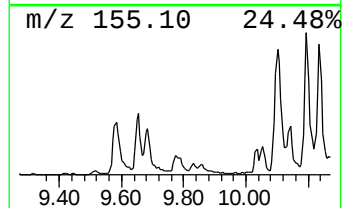
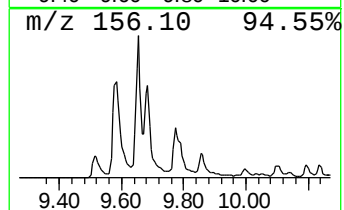
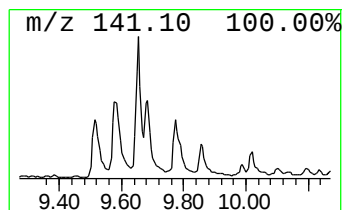
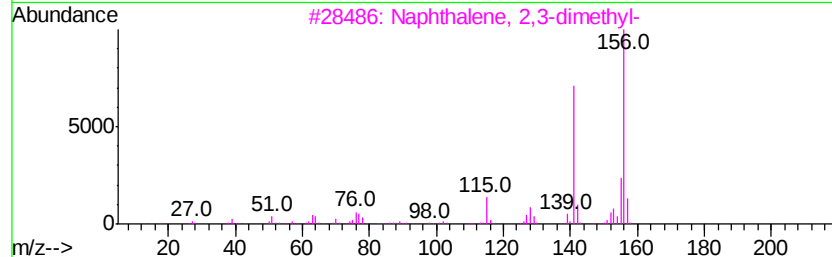
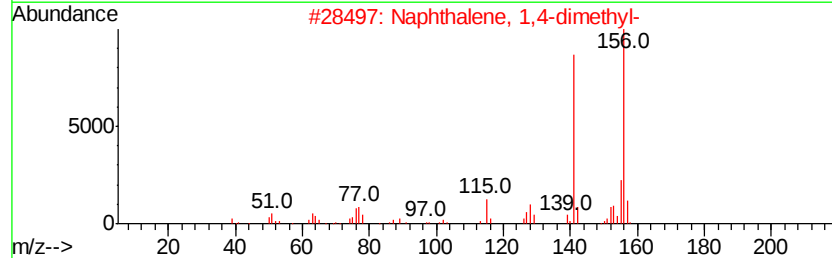
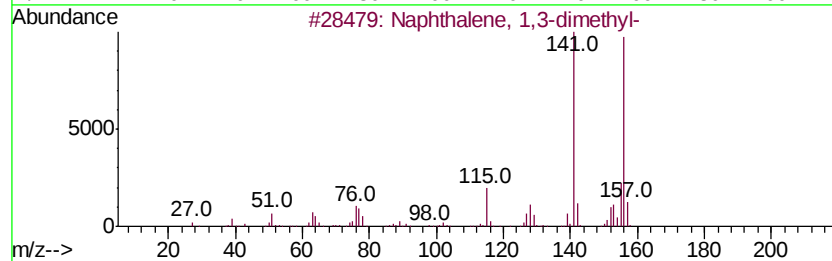
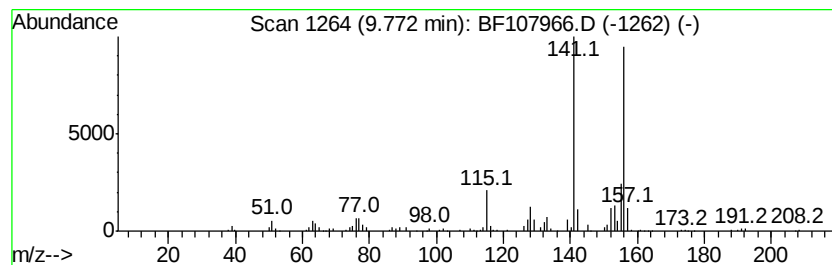
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphthalene, 1,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.77	14.71 ng	398870	Acenaphthene-d10	10.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
3		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
4		Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	94
5		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107966.D
Acq On : 4 Aug 2018 4:33
Operator : JU/SJ
Sample : J4321-01 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EP1-NW-IMPACTED-0818

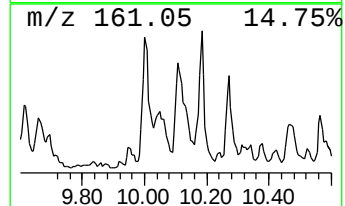
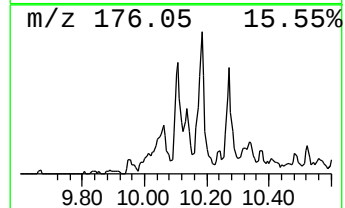
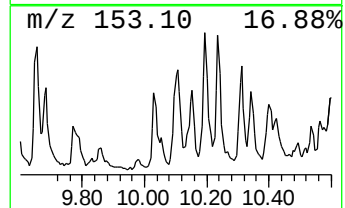
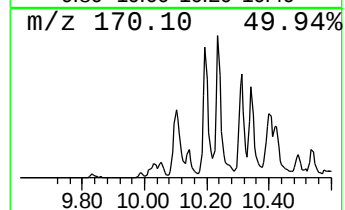
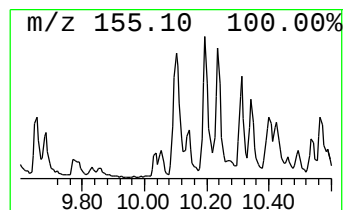
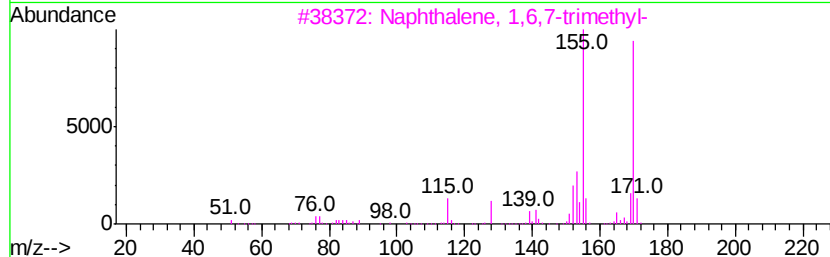
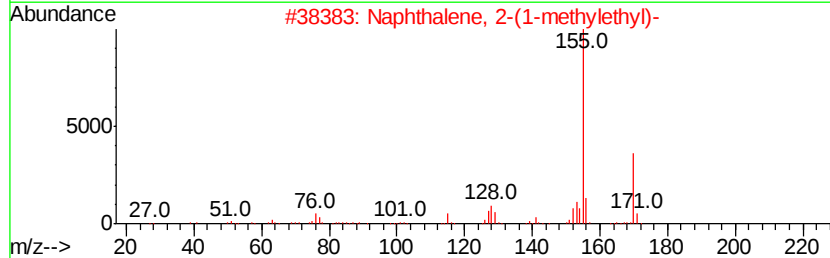
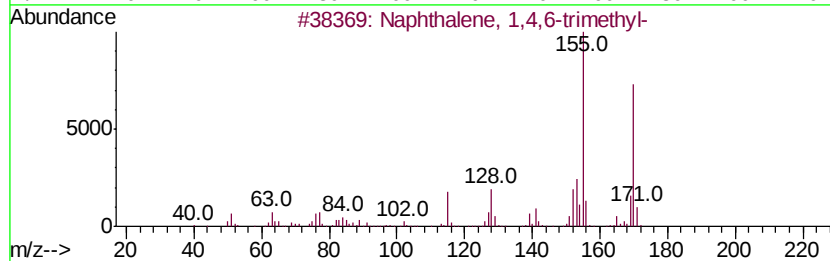
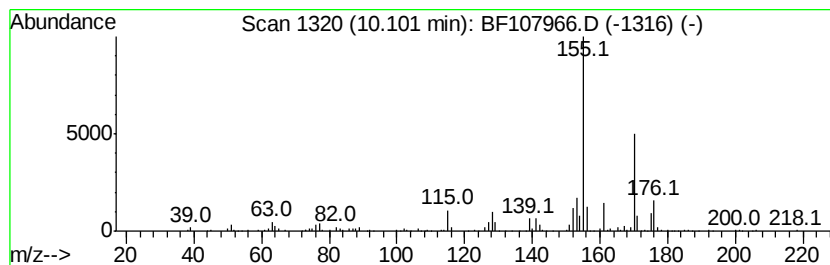
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Naphthalene, 1,4,6-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.10	14.98 ng	406231	Acenaphthene-d10	10.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	91
2		Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	87
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	83
4		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	78
5		Ethanone, 1-(5-chloro-2-hydroxyp...	170	C8H7ClO2	001450-74-4	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107966.D
Acq On : 4 Aug 2018 4:33
Operator : JU/SJ
Sample : J4321-01 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EP1-NW-IMPACTED-0818

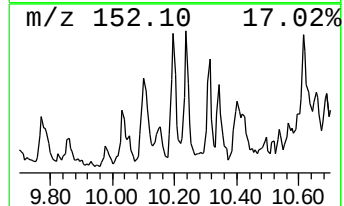
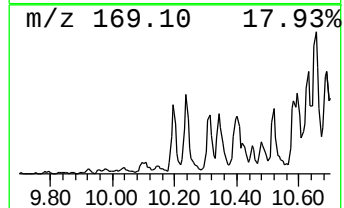
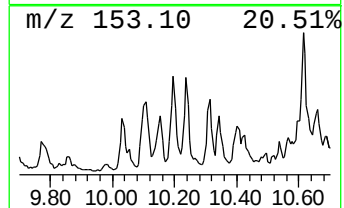
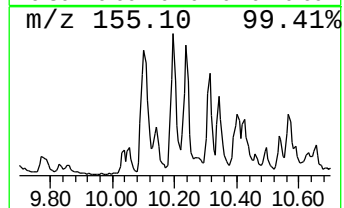
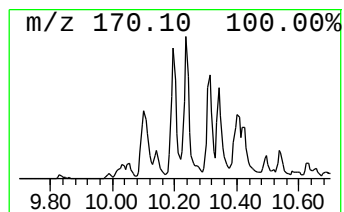
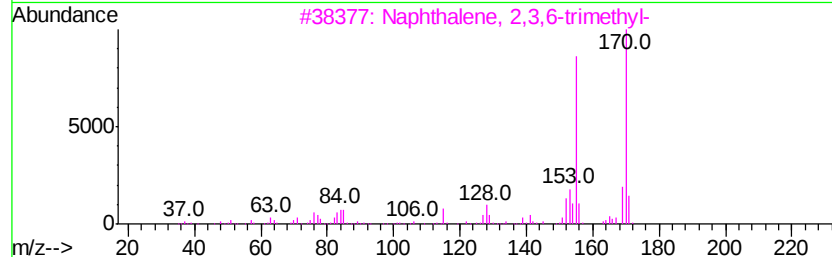
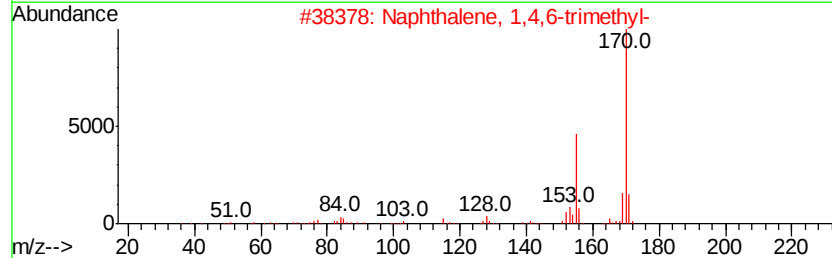
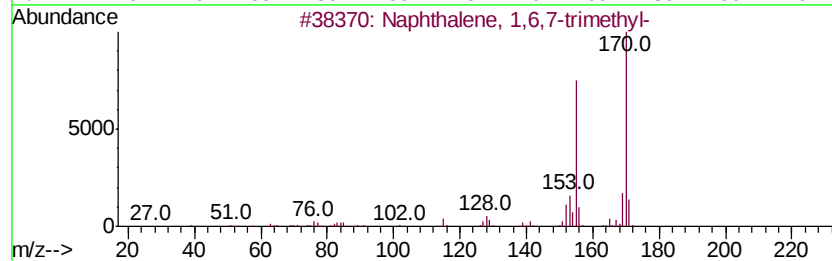
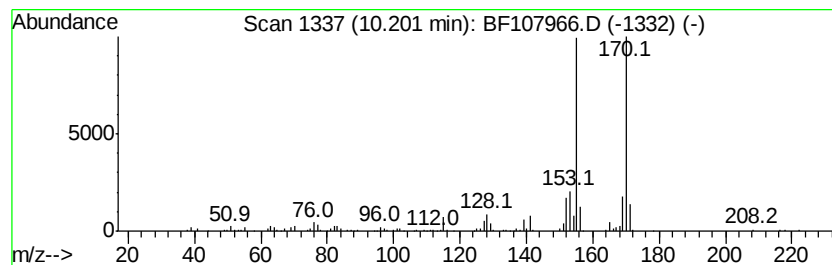
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Naphthalene, 1,6,7-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.20	14.33 ng	388493	Acenaphthene-d10	10.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
3		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
4		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5		4,6,8-Trimethylazulene	170	C13H14	000941-81-1	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107966.D
Acq On : 4 Aug 2018 4:33
Operator : JU/SJ
Sample : J4321-01 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
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ClientSampleId :
EP1-NW-IMPACTED-0818

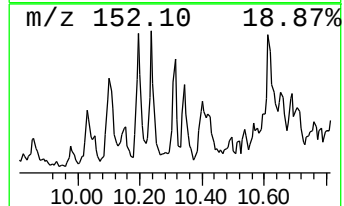
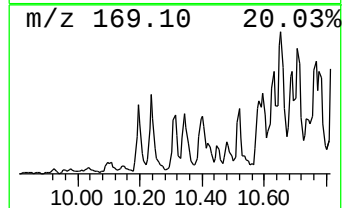
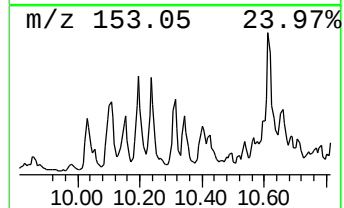
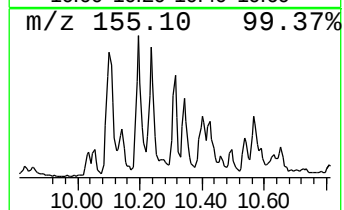
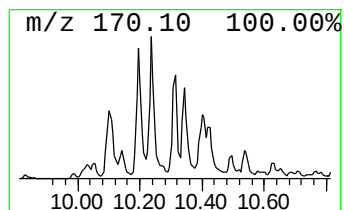
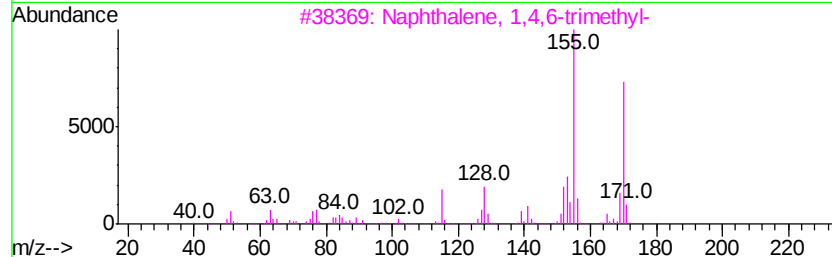
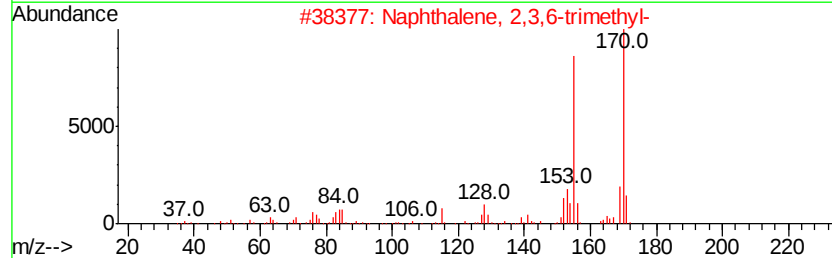
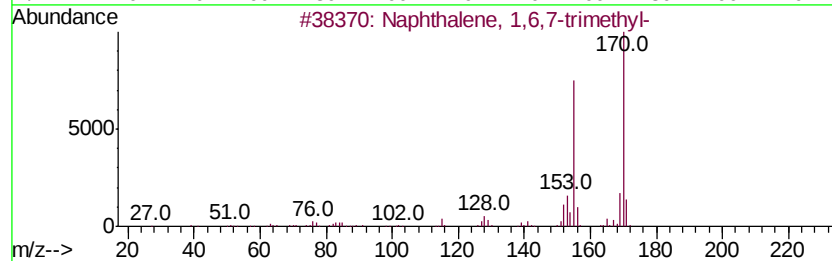
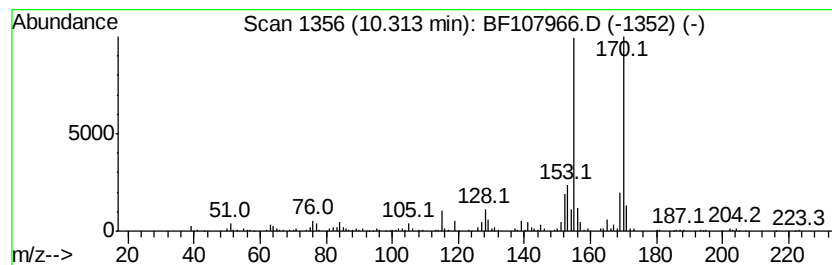
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Naphthalene, 1,4,5-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.31	12.02 ng	325896	Acenaphthene-d10	10.00

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, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
4		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5		4,6,8-Trimethylazulene	170	C13H14	000941-81-1	91



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Operator : JU/SJ
Sample : J4321-01 10X
Misc :
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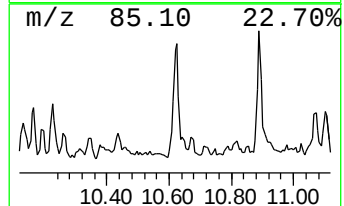
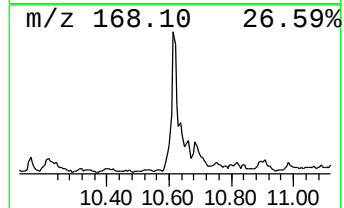
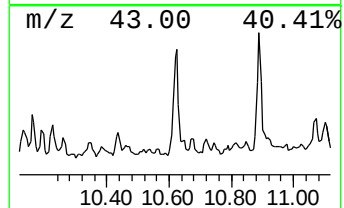
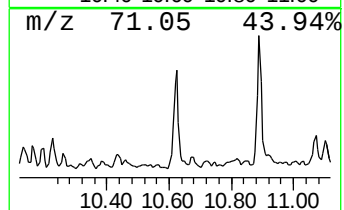
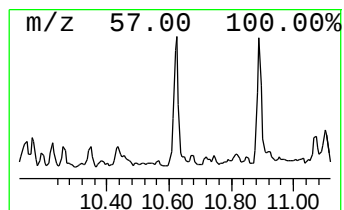
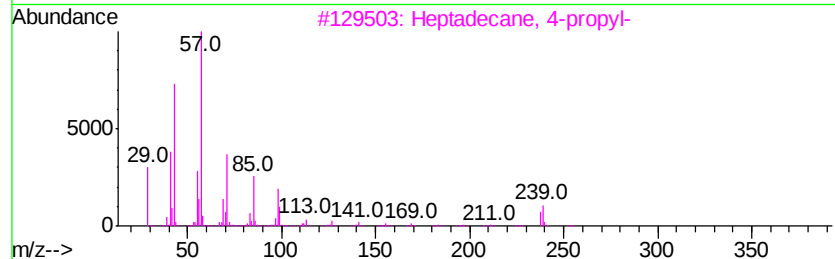
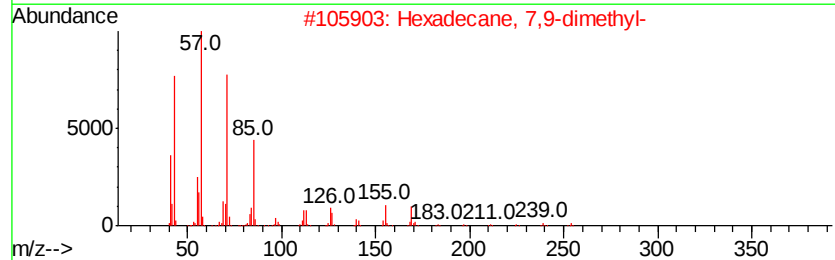
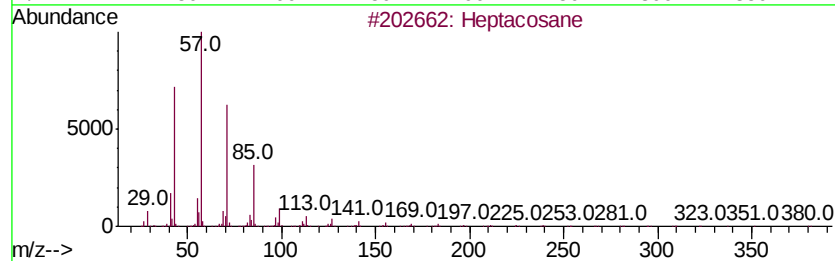
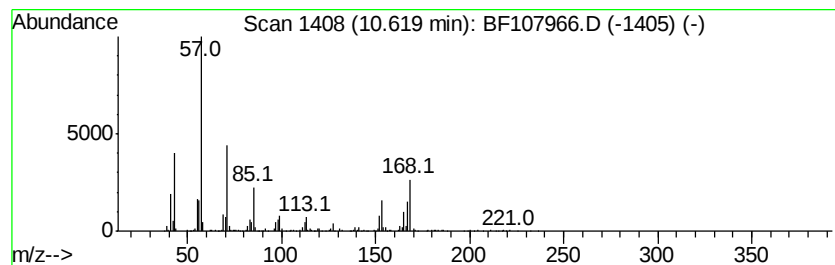
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ClientSampleId :
EP1-NW-IMPACTED-0818

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Heptacosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.62	20.66 ng	560286	Acenaphthene-d10	10.00
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Heptacosane	380 C27H56	000593-49-7	58
2	Hexadecane, 7,9-dimethyl-	254 C18H38	021164-95-4	53
3	Heptadecane, 4-propyl-	282 C20H42	055044-10-5	50
4	Hexadecane	226 C16H34	000544-76-3	50
5	Tetradecane	198 C14H30	000629-59-4	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107966.D
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Operator : JU/SJ
Sample : J4321-01 10X
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Instrument :
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ClientSampleId :
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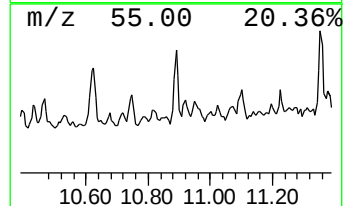
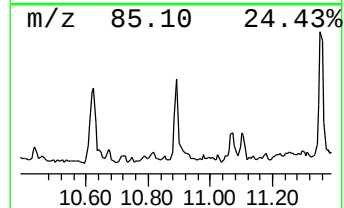
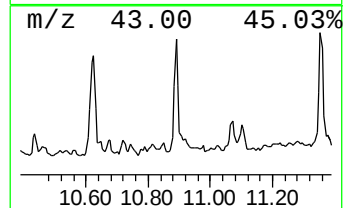
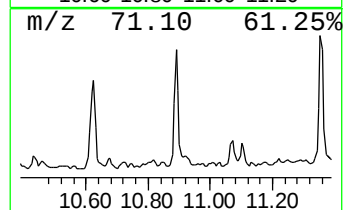
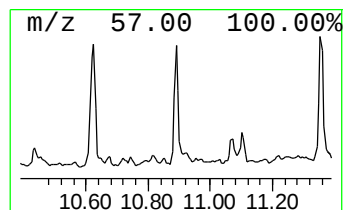
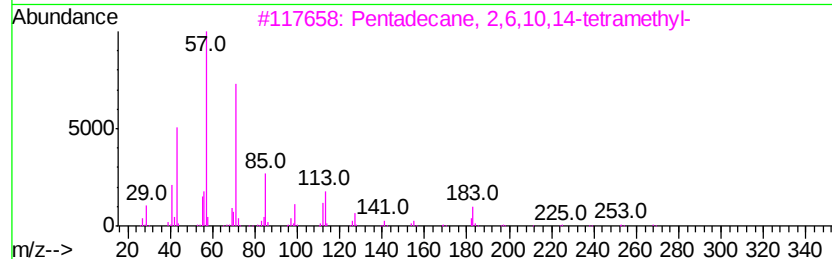
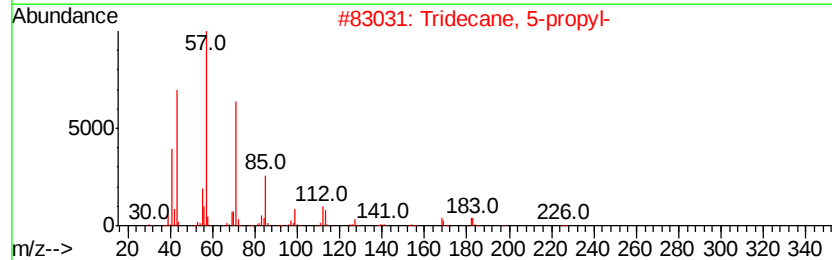
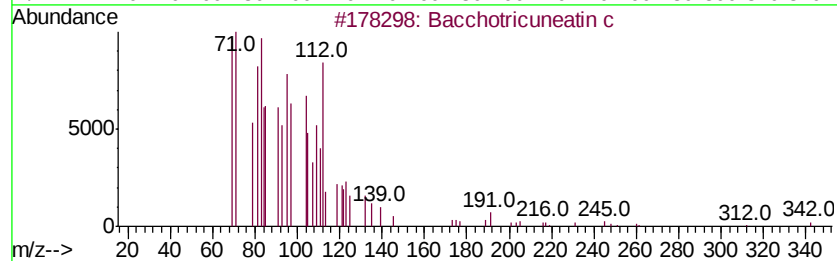
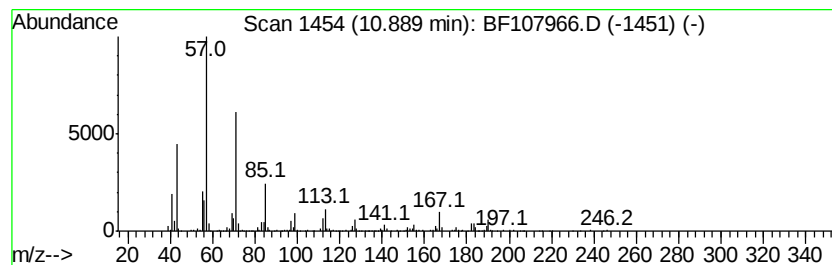
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Bacchotricuneatin c Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.89	18.44 ng	462212	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bacchotricuneatin c	342	C20H22O5	066563-30-2	87
2		Tridecane, 5-propyl-	226	C16H34	055045-11-9	80
3		Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	64
4		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	64
5		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107966.D
Acq On : 4 Aug 2018 4:33
Operator : JU/SJ
Sample : J4321-01 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

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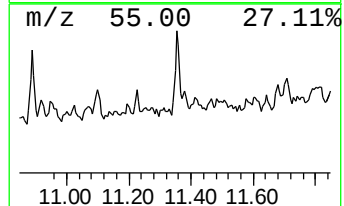
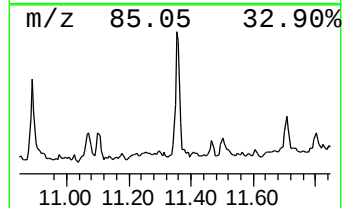
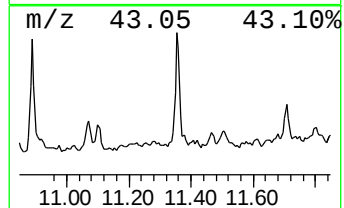
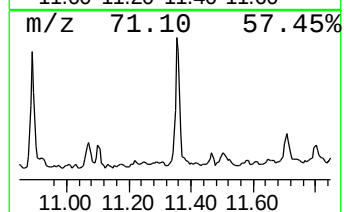
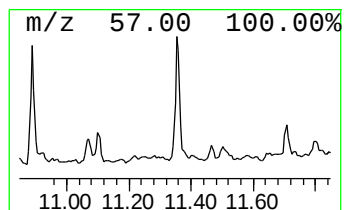
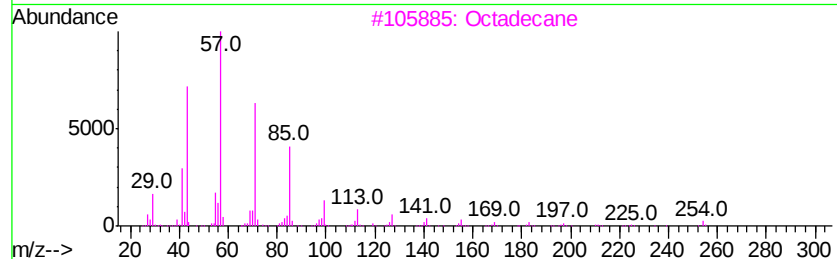
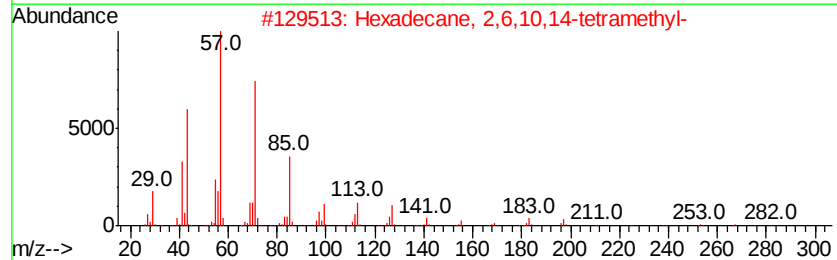
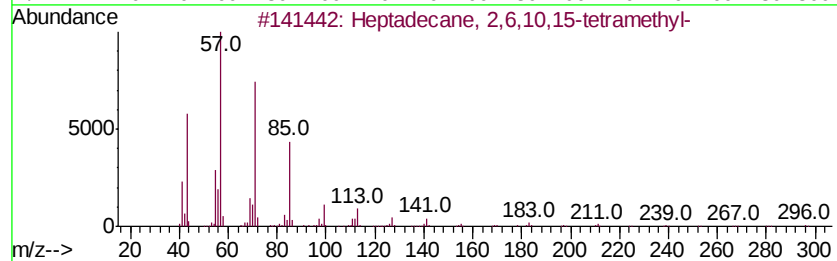
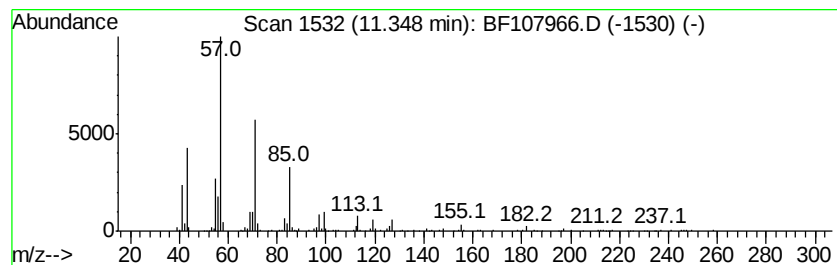
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Heptadecane, 2,6,10,15-tetr... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.35	16.86 ng	422750	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
2		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	86
3		Octadecane	254	C18H38	000593-45-3	86
4		Hexadecane	226	C16H34	000544-76-3	80
5		Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	78



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
Data File : BF107966.D
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Misc :
ALS Vial : 31 Sample Multiplier: 1

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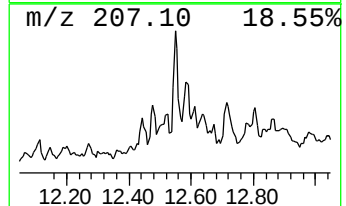
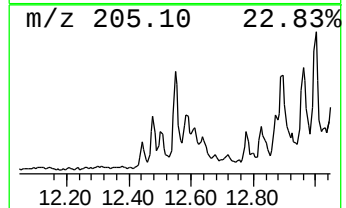
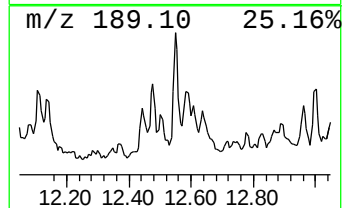
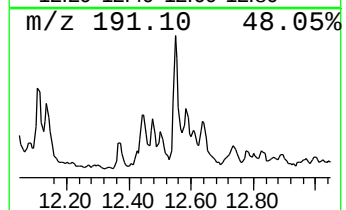
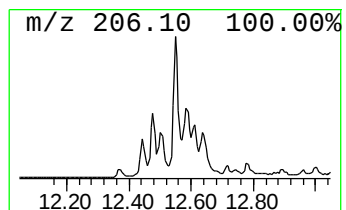
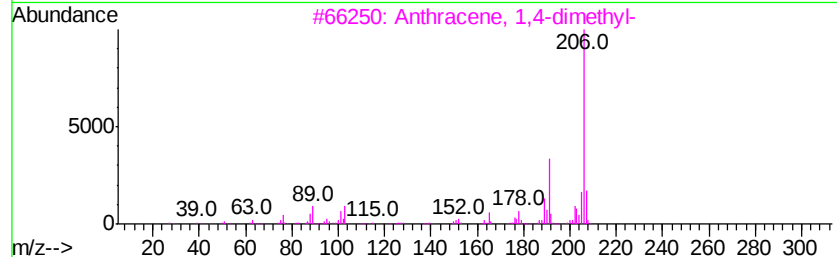
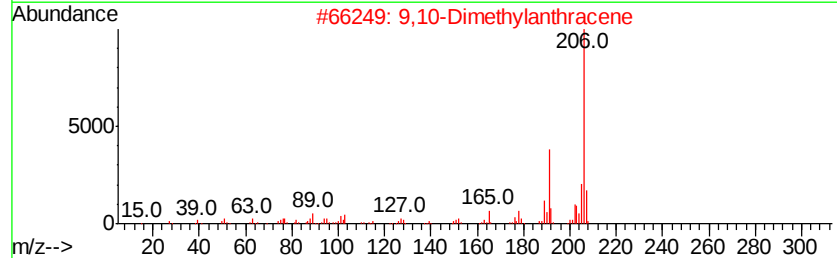
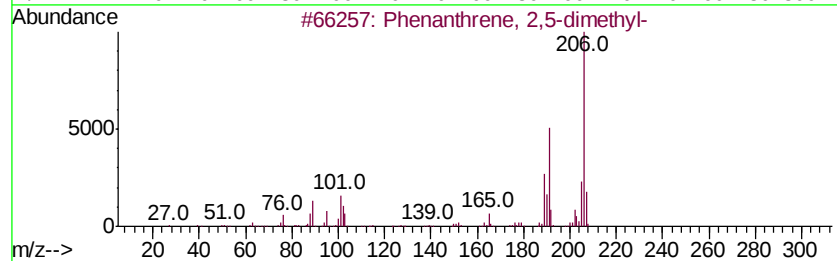
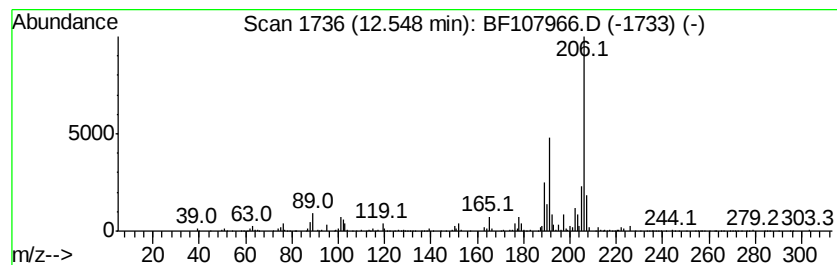
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	19.17 ng	480581	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	93
3		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87



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 Operator : JU/SJ
 Sample : J4321-01 10X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

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

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

TIC Top Hit name	RT	EstConc	Units	Response	---Internal Standard---			
					#	RT	Resp	Conc
4-Octene, 2,6-dim...	6.48	22.5	ng	159177	1	6.96	141661	20.0
unknown7.08	7.08	14.5	ng	102585	1	6.96	141661	20.0
1-Ethyl-2,2,6-tri...	7.21	25.1	ng	177840	1	6.96	141661	20.0
Octane, 2,7-dimet...	7.27	11.8	ng	83662	1	6.96	141661	20.0
Decane, 3-methyl-	7.32	12.8	ng	90349	1	6.96	141661	20.0
Benzene, 4-ethyl-...	7.48	30.6	ng	216389	1	6.96	141661	20.0
Benzene, (1-methy...	7.51	15.4	ng	109276	1	6.96	141661	20.0
unknown7.58	7.58	20.6	ng	145957	1	6.96	141661	20.0
Naphthalene, 1-me...	9.05	14.0	ng	372885	2	8.24	531120	20.0
Naphthalene, 1,6-...	9.58	23.8	ng	645752	3	10.00	542338	20.0
Naphthalene, 1,4-...	9.65	24.8	ng	672819	3	10.00	542338	20.0
Undecane	9.69	33.0	ng	894321	3	10.00	542338	20.0
Naphthalene, 1,3-...	9.77	14.7	ng	398870	3	10.00	542338	20.0
Naphthalene, 1,4,...	10.10	15.0	ng	406231	3	10.00	542338	20.0
Naphthalene, 1,6,...	10.20	14.3	ng	388493	3	10.00	542338	20.0
Naphthalene, 1,4,...	10.31	12.0	ng	325896	3	10.00	542338	20.0
Heptacosane	10.62	20.7	ng	560286	3	10.00	542338	20.0
Bacchotricuneatin c	10.89	18.4	ng	462212	4	11.50	501360	20.0
Heptadecane, 2,6,...	11.35	16.9	ng	422750	4	11.50	501360	20.0
Phenanthrene, 2,5...	12.55	19.2	ng	480581	4	11.50	501360	20.0