

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011515\
 Data File : BF076891.D
 Acq On : 15 Jan 2015 19:07
 Operator : IZ / TP
 Sample : G1030-03
 Misc : S
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP1-SS-3(6-8)

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-BF011415.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.087	347	350	363	rBV	492779	964774	10.29%	0.595%
2	7.430	551	555	557	rBV	504217	925601	9.87%	0.571%
3	7.522	560	563	569	rVB	653358	1107903	11.81%	0.684%
4	7.807	584	588	591	rBV	892549	1624596	17.32%	1.002%
5	8.345	629	635	638	rBV	501199	846275	9.02%	0.522%
6	8.722	665	668	674	rBV	266001	494835	5.28%	0.305%
7	8.836	674	678	682	rBV3	461614	1215730	12.96%	0.750%
8	8.985	687	691	695	rVB2	460102	951833	10.15%	0.587%
9	9.088	695	700	704	rBV	331827	623344	6.65%	0.385%
10	9.316	717	720	724	rBV3	718805	1354523	14.44%	0.836%
11	9.613	741	746	751	rVB	2286602	4309664	45.95%	2.659%
12	9.853	763	767	770	rVB3	451933	1023241	10.91%	0.631%
13	10.185	791	796	798	rBV3	227830	648034	6.91%	0.400%
14	10.242	798	801	803	rBV	303719	580951	6.19%	0.358%
15	10.368	809	812	814	rBV	407860	731460	7.80%	0.451%
16	10.459	818	820	824	rVB3	427314	991784	10.57%	0.612%
17	10.551	824	828	830	rBV2	609437	1023251	10.91%	0.631%
18	10.631	833	835	840	rVB3	728799	1435830	15.31%	0.886%
19	10.733	840	844	846	rBV	475313	868060	9.25%	0.536%
20	10.939	855	862	864	rBV3	365033	1209357	12.89%	0.746%
21	10.985	864	866	875	rVV3	581559	1554791	16.58%	0.959%
22	11.122	875	878	881	rVV	338325	747786	7.97%	0.461%
23	11.213	881	886	888	rVV	2576126	4881668	52.04%	3.012%
24	11.385	898	901	903	rVB	877578	1330407	14.18%	0.821%
25	11.453	903	907	909	rVB3	314843	547151	5.83%	0.338%
26	11.522	909	913	914	rBV3	240693	607467	6.48%	0.375%
27	11.682	923	927	929	rBV4	252523	683139	7.28%	0.421%
28	11.796	934	937	943	rVV6	206725	633748	6.76%	0.391%
29	11.956	946	951	957	rVB4	464956	1800166	19.19%	1.111%
30	12.059	957	960	963	rBV2	472564	1049104	11.18%	0.647%
31	12.151	963	968	970	rVV4	634286	1481164	15.79%	0.914%
32	12.196	970	972	974	rVV	563698	927207	9.89%	0.572%
33	12.254	974	977	981	rVB2	1039310	1988999	21.21%	1.227%
34	12.334	981	984	988	rBV3	375630	861091	9.18%	0.531%

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35	12.482	994	997	999	rBV	223484	487657	5.20%	0.301%
36	12.539	999	1002	1008	rVV2	536325	1801397	19.20%	1.111%
37	12.676	1008	1014	1017	rVV2	3134903	8379264	89.33%	5.170%
38	12.871	1027	1031	1037	rVV2	717215	1950749	20.80%	1.204%
39	12.974	1037	1040	1043	rVV2	630225	1222378	13.03%	0.754%
40	13.042	1043	1046	1050	rVB3	216215	535176	5.71%	0.330%
41	13.294	1065	1068	1070	rVV2	619961	1117150	11.91%	0.689%
42	13.385	1074	1076	1080	rVB2	296880	618380	6.59%	0.382%
43	13.454	1080	1082	1084	rBV2	313796	523974	5.59%	0.323%
44	13.545	1084	1090	1092	rVB3	682131	1575345	16.79%	0.972%
45	13.591	1092	1094	1096	rBV	659306	1110943	11.84%	0.685%
46	13.694	1100	1103	1110	rVB	1270536	2618377	27.91%	1.615%
47	13.934	1120	1124	1126	rBV	362790	940898	10.03%	0.580%
48	14.048	1126	1134	1137	rVV	3225024	7587033	80.89%	4.681%
49	14.174	1138	1145	1151	rVB4	636290	2650134	28.25%	1.635%
50	14.334	1151	1159	1162	rBV	1046926	2571875	27.42%	1.587%
51	14.391	1162	1164	1169	rVB2	683359	1741606	18.57%	1.074%
52	14.597	1180	1182	1183	rVV	354545	550899	5.87%	0.340%
53	14.677	1187	1189	1193	rVB3	605205	1263702	13.47%	0.780%
54	14.802	1193	1200	1202	rBV2	1276802	3121427	33.28%	1.926%
55	14.848	1202	1204	1206	rVB	454106	638100	6.80%	0.394%
56	14.905	1206	1209	1210	rBV3	292193	548208	5.84%	0.338%
57	15.077	1222	1224	1227	rVB2	268894	485470	5.18%	0.300%
58	15.168	1227	1232	1235	rBV3	338264	1013859	10.81%	0.625%
59	15.237	1235	1238	1241	rVV3	203525	544639	5.81%	0.336%
60	15.328	1241	1246	1248	rVB	3432024	6711657	71.55%	4.141%
61	15.420	1248	1254	1260	rBV2	386720	1325140	14.13%	0.818%
62	15.648	1267	1274	1277	rBV3	424442	1098575	11.71%	0.678%
63	15.740	1277	1282	1287	rVB2	478492	1054075	11.24%	0.650%
64	15.842	1287	1291	1293	rBV2	342418	985272	10.50%	0.608%
65	15.888	1293	1295	1297	rVV2	752971	1304595	13.91%	0.805%
66	15.945	1297	1300	1304	rVV5	658588	1597922	17.04%	0.986%
67	16.014	1304	1306	1309	rVV2	773335	1313854	14.01%	0.811%
68	16.082	1309	1312	1316	rVB3	521867	1171439	12.49%	0.723%
69	16.380	1334	1338	1341	rVV	3303737	6651821	70.92%	4.104%
70	16.425	1341	1342	1346	rVV3	421421	740600	7.90%	0.457%
71	16.677	1361	1364	1366	rVB2	287653	523420	5.58%	0.323%

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72	16.768	1366	1372	1374	rBV	1753565	4035984	43.03%	2.490%
73	16.860	1377	1380	1381	rBV3	383910	688684	7.34%	0.425%
74	16.905	1382	1384	1386	rVB	593169	790960	8.43%	0.488%
75	16.963	1386	1389	1391	rBV	462438	681011	7.26%	0.420%
76	17.203	1407	1410	1414	rVV	3883673	9379856	100.00%	5.787%
77	17.488	1432	1435	1438	rBV	557411	890734	9.50%	0.550%
78	17.625	1445	1447	1450	rBV2	505096	1091417	11.64%	0.673%
79	17.877	1466	1469	1471	rVV2	3368204	5512757	58.77%	3.401%
80	17.911	1471	1472	1478	rVB2	1679491	2251261	24.00%	1.389%
81	18.071	1481	1486	1488	rBV4	247916	705868	7.53%	0.435%
82	18.128	1488	1491	1494	rVV2	324806	655886	6.99%	0.405%
83	18.403	1513	1515	1519	rVB	493432	850651	9.07%	0.525%
84	18.483	1519	1522	1524	rBV	3030125	3942351	42.03%	2.432%
85	18.608	1531	1533	1535	rBV2	390543	526996	5.62%	0.325%
86	18.700	1539	1541	1543	rBV2	351393	594481	6.34%	0.367%
87	19.020	1566	1569	1572	rVB	2044033	3014820	32.14%	1.860%
88	19.077	1572	1574	1581	rVB6	143999	493051	5.26%	0.304%
89	19.226	1585	1587	1593	rVB	274634	642245	6.85%	0.396%
90	19.386	1599	1601	1603	rVB	385900	483125	5.15%	0.298%
91	19.500	1608	1611	1612	rBV	1713166	1888798	20.14%	1.165%
92	19.534	1612	1614	1616	rVB	2433060	2754154	29.36%	1.699%
93	19.786	1633	1636	1638	rVB	939464	1175899	12.54%	0.725%
94	20.003	1652	1655	1657	rBV	1350699	1426160	15.20%	0.880%
95	20.037	1657	1658	1661	rVB	715325	956447	10.20%	0.590%
96	20.460	1692	1695	1697	rBV	774074	964766	10.29%	0.595%
97	20.883	1730	1732	1734	rVB	465124	538317	5.74%	0.332%
98	21.306	1765	1769	1771	rBV3	736712	1612765	17.19%	0.995%
99	22.563	1876	1879	1883	rBV	409965	950447	10.13%	0.586%
100	22.906	1907	1909	1912	rVB	383398	487738	5.20%	0.301%

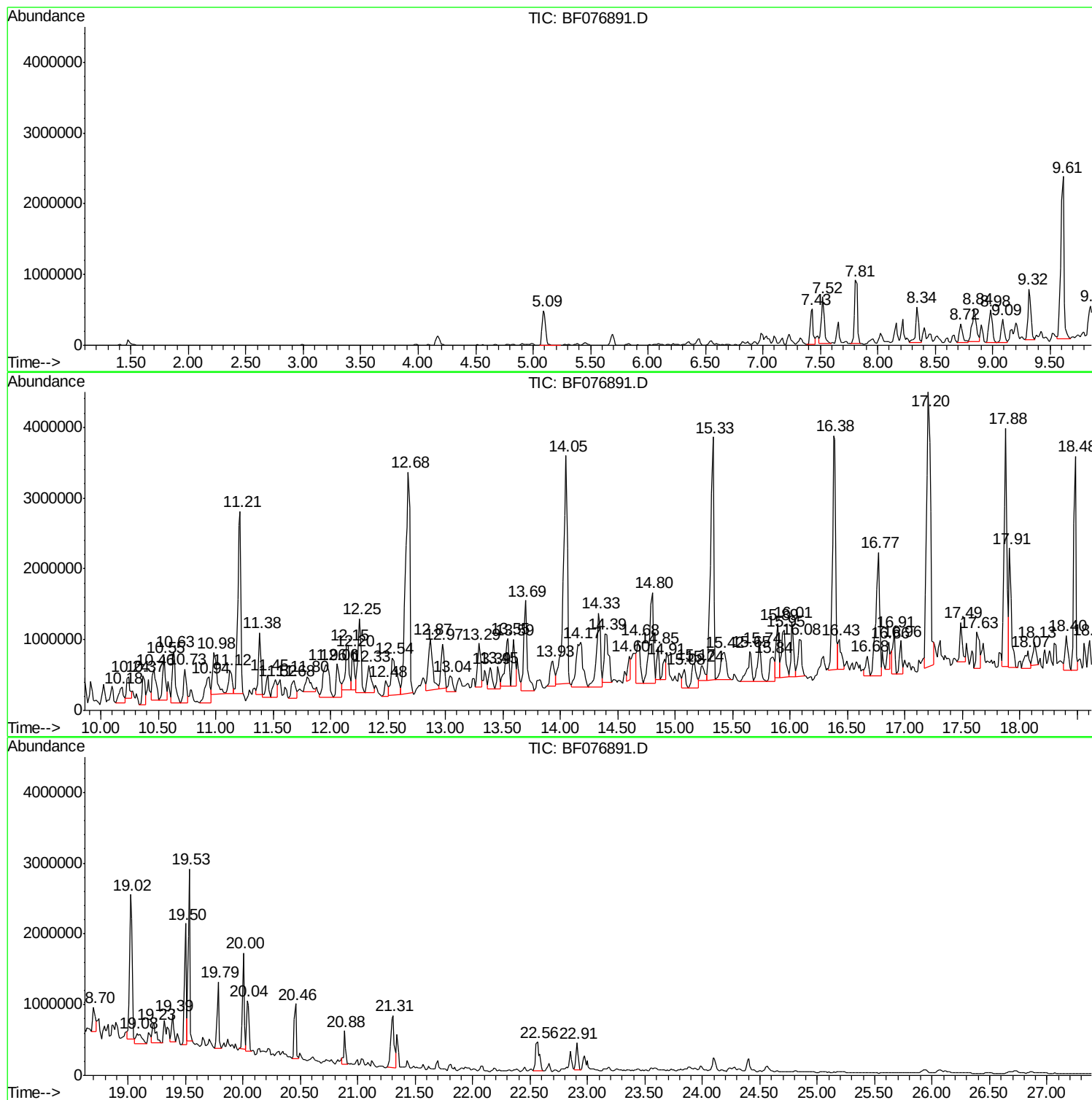
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Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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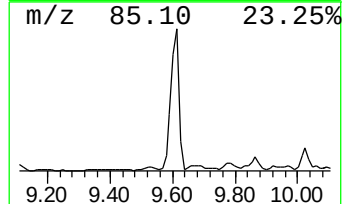
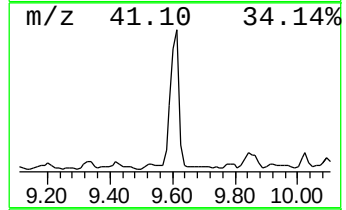
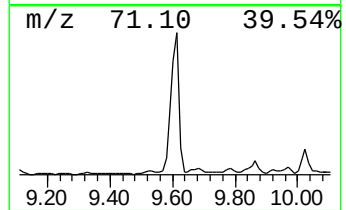
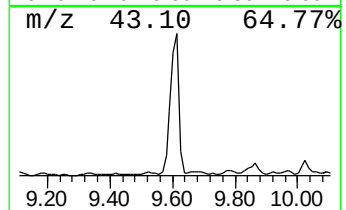
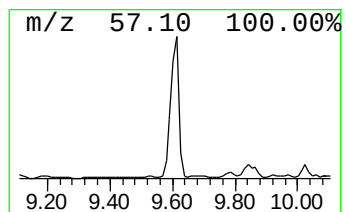
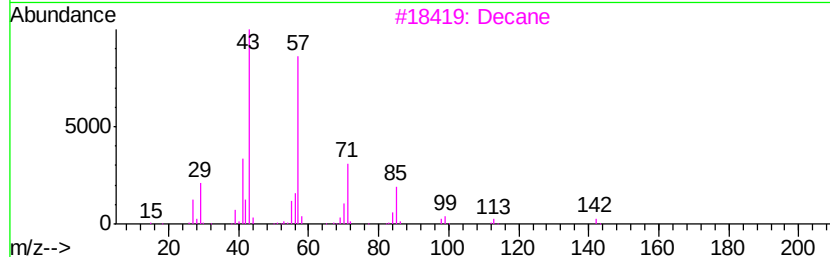
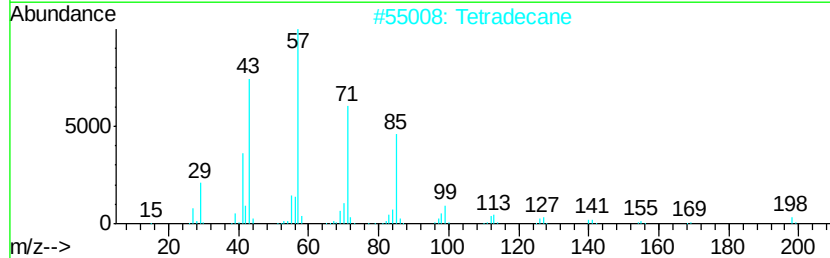
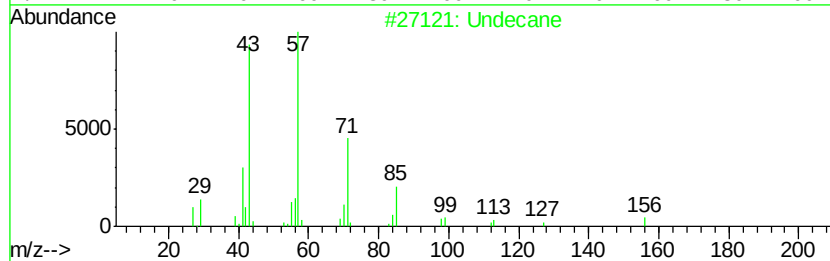
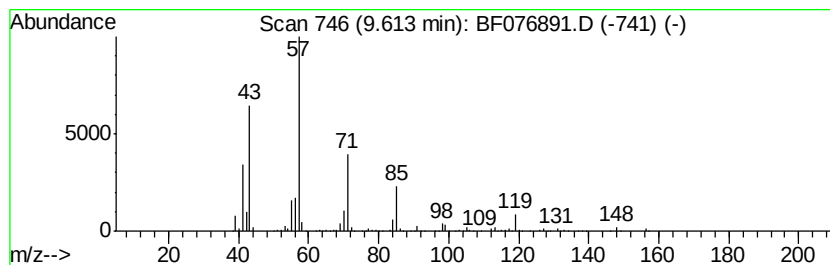
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Undecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.61	71.27 ng	4309660	Naphthalene-d8	10.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane	156	C11H24	001120-21-4	83
2		Tetradecane	198	C14H30	000629-59-4	83
3		Decane	142	C10H22	000124-18-5	83
4		Tridecane	184	C13H28	000629-50-5	72
5		Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	64



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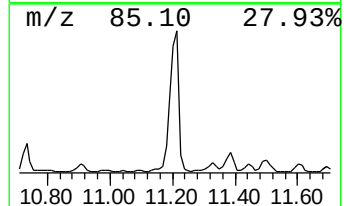
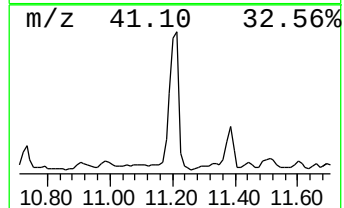
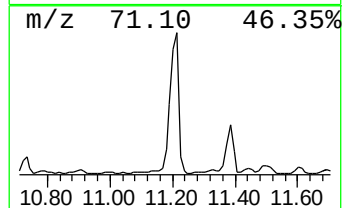
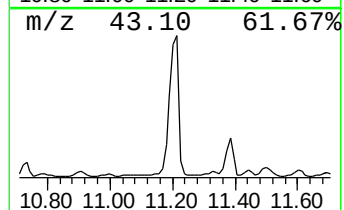
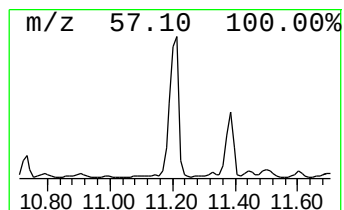
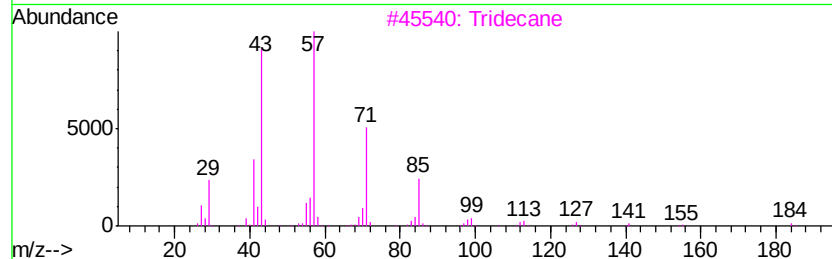
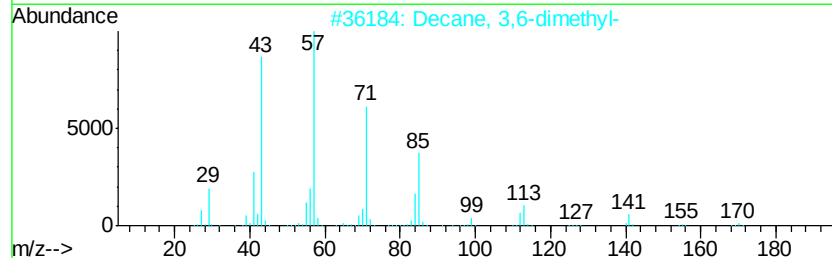
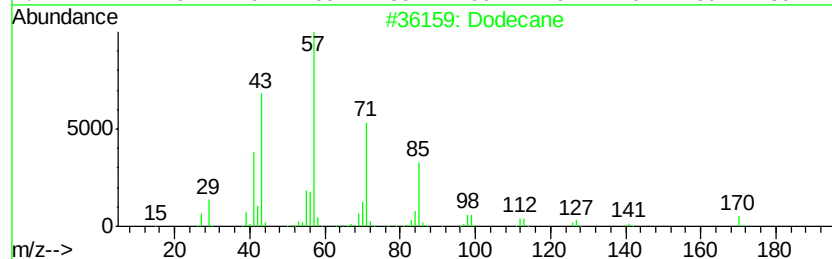
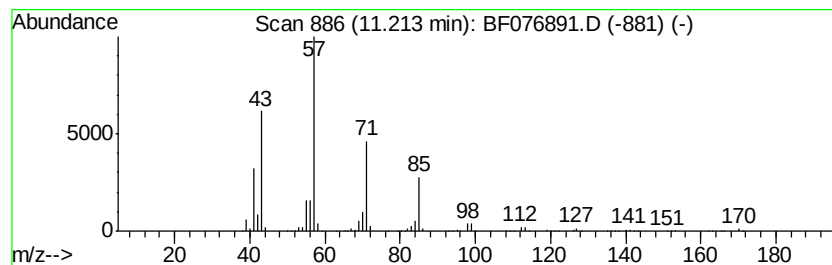
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Dodecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	80.73 ng	4881670	Napthalene-d8	10.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane	170	C12H26	000112-40-3	95
2		Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	86
3		Tridecane	184	C13H28	000629-50-5	78
4		Tetradecane	198	C14H30	000629-59-4	72
5		Undecane	156	C11H24	001120-21-4	64



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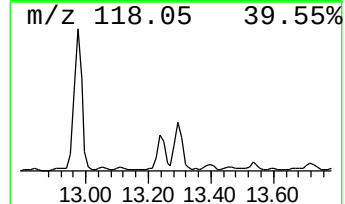
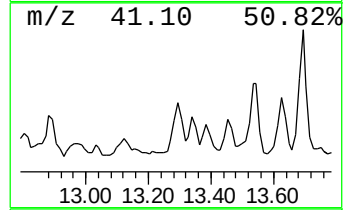
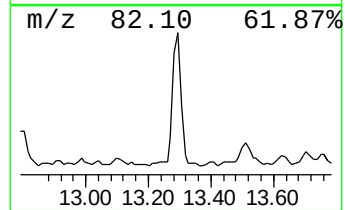
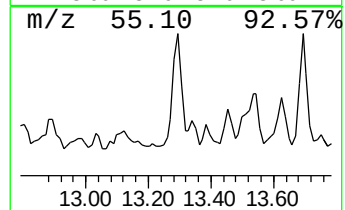
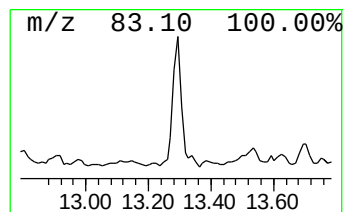
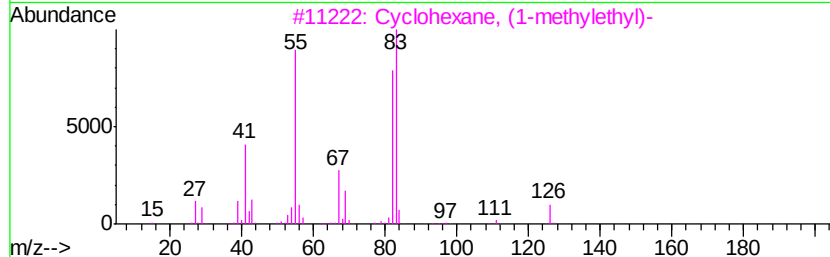
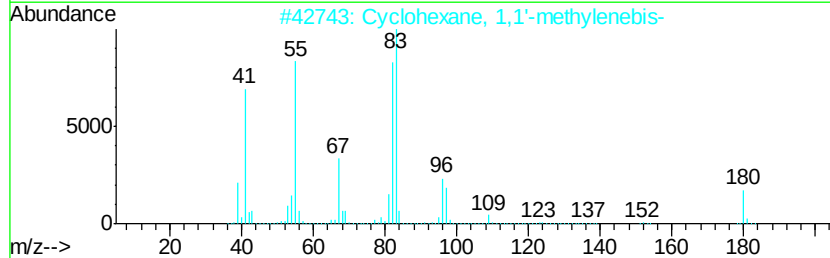
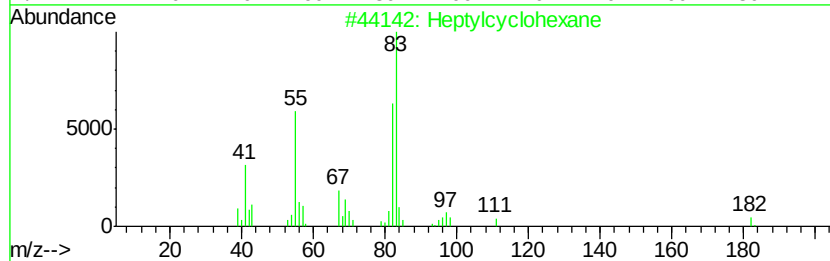
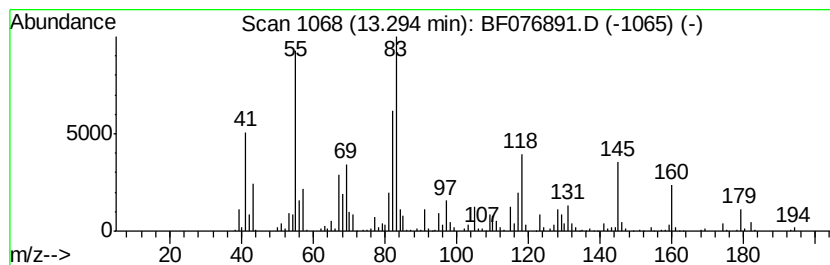
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 3 unknown13.29 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	46.02 ng	1117150	Acenaphthene-d10	15.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptylcyclohexane	182	C13H26	005617-41-4	41
2		Cyclohexane, 1,1'-methylenebis-	180	C13H24	003178-23-2	38
3		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	35
4		n-Amylcyclohexane	154	C11H22	029949-27-7	35
5		Cyclohexane, butyl-	140	C10H20	001678-93-9	35



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011515\
Data File : BF076891.D
Acq On : 15 Jan 2015 19:07
Operator : IZ / TP
Sample : G1030-03
Misc : S
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP1-SS-3(6-8)

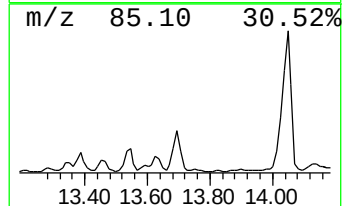
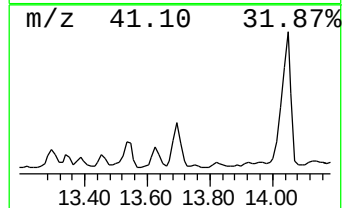
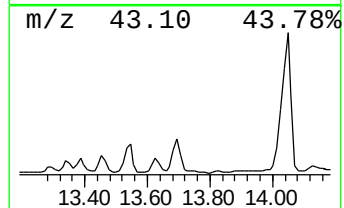
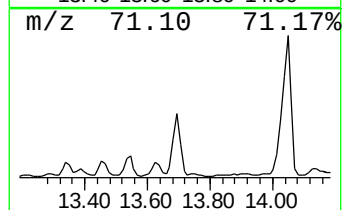
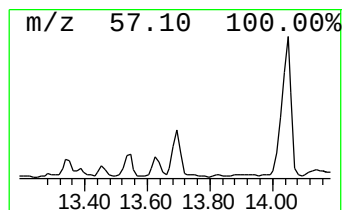
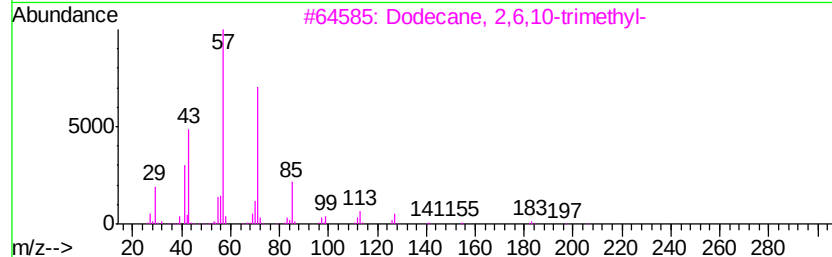
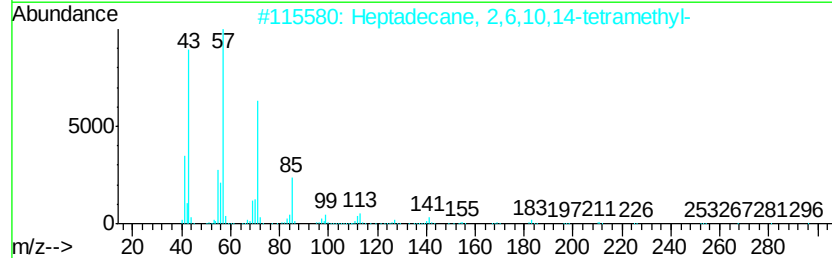
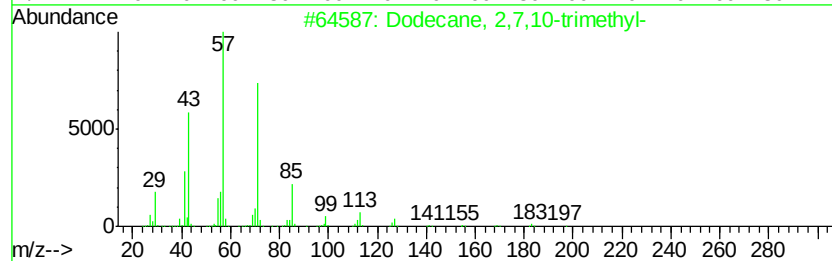
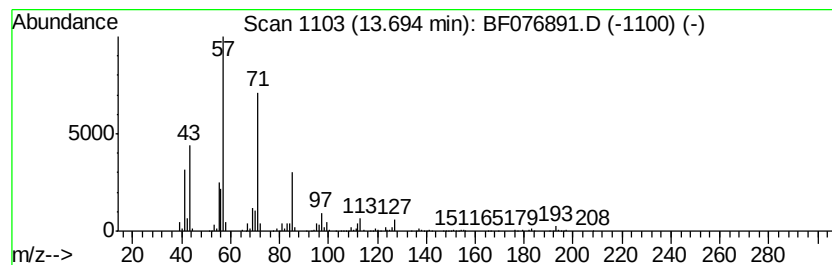
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Dodecane, 2,7,10-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.69	107.87 ng	2618380	Acenaphthene-d10	15.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	83
2		Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	64
3		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	59
4		Octadecane	254	C18H38	000593-45-3	59
5		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011515\
Data File : BF076891.D
Acq On : 15 Jan 2015 19:07
Operator : IZ / TP
Sample : G1030-03
Misc : S
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP1-SS-3(6-8)

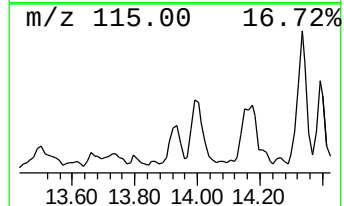
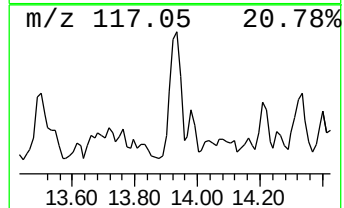
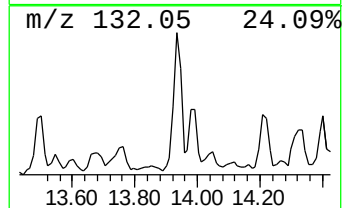
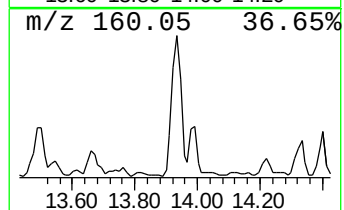
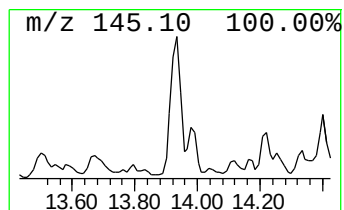
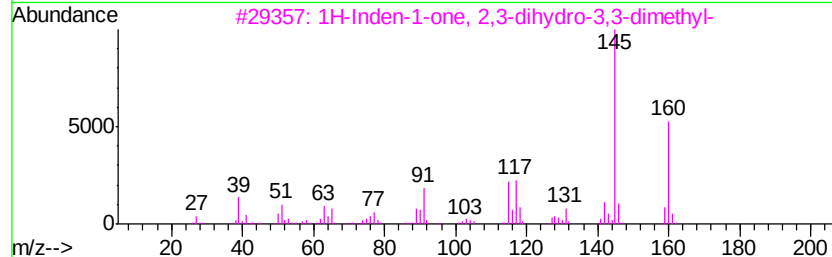
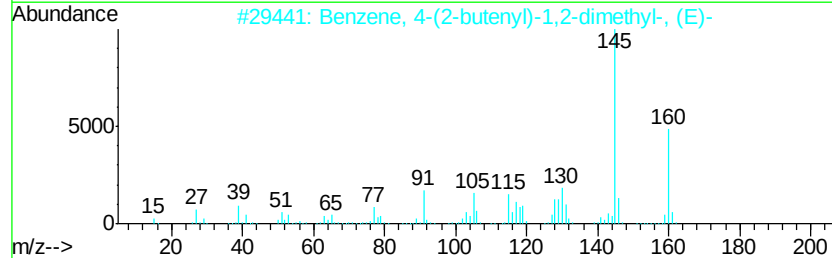
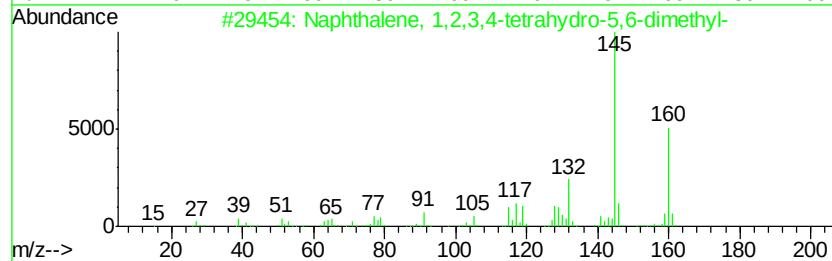
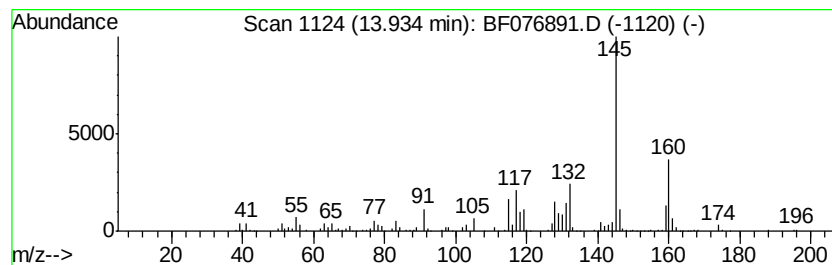
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 1,2,3,4-tetra... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.93	38.76 ng	940898	Acenaphthene-d10	15.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	76
2		Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	76
3		1H-Inden-1-one, 2,3-dihydro-3,3-...	160	C11H12O	026465-81-6	74
4		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	70
5		Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	70



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011515\
Data File : BF076891.D
Acq On : 15 Jan 2015 19:07
Operator : IZ / TP
Sample : G1030-03
Misc : S
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP1-SS-3(6-8)

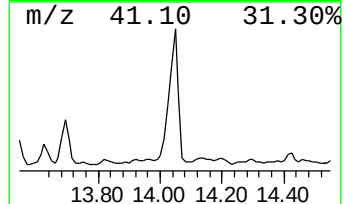
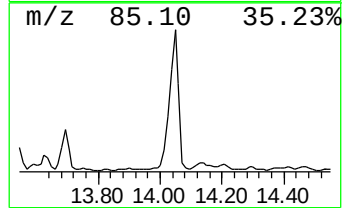
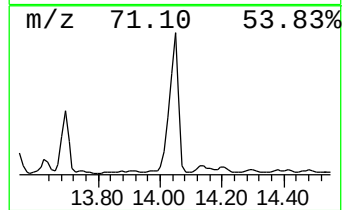
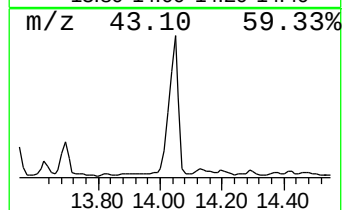
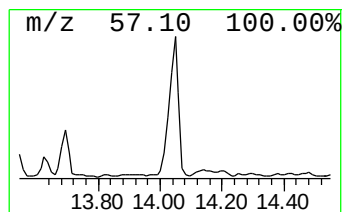
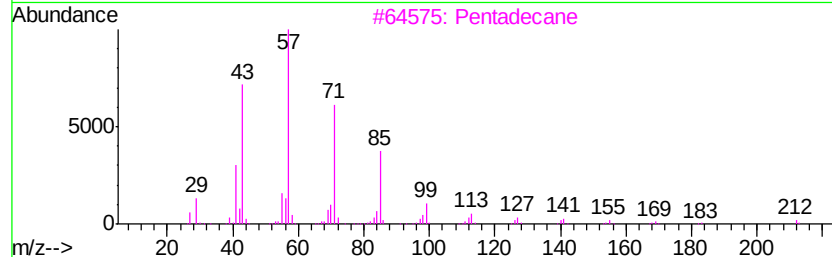
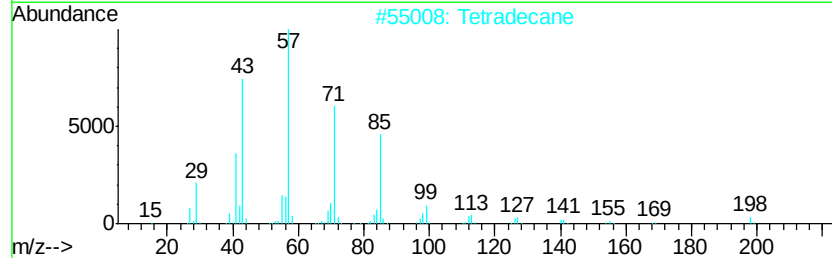
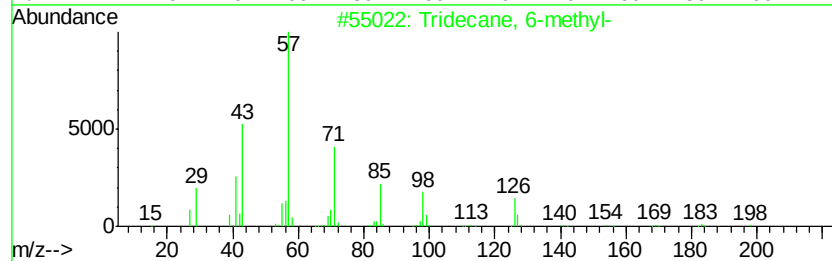
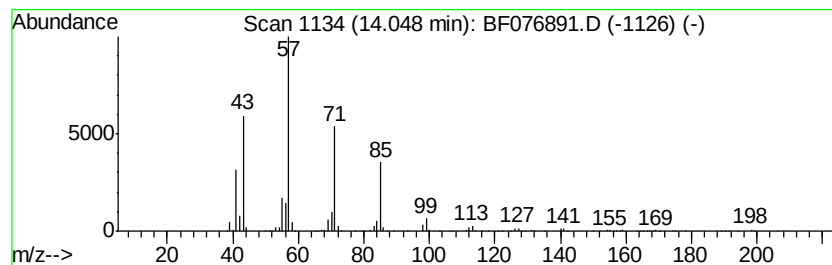
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Tridecane, 6-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD		R.T.
14.05	312.56 ng	7587030	Acenaphthene-d10		15.08

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane, 6-methyl-	198	C14H30	013287-21-3	91
2			Tetradecane	198	C14H30	000629-59-4	90
3			Pentadecane	212	C15H32	000629-62-9	86
4			Hexadecane	226	C16H34	000544-76-3	86
5			Nonadecane	268	C19H40	000629-92-5	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011515\
Data File : BF076891.D
Acq On : 15 Jan 2015 19:07
Operator : IZ / TP
Sample : G1030-03
Misc : S
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP1-SS-3(6-8)

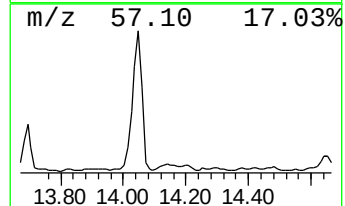
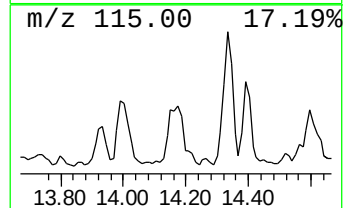
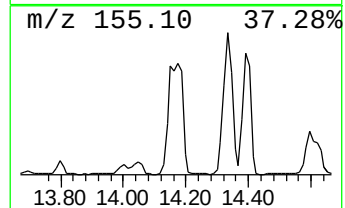
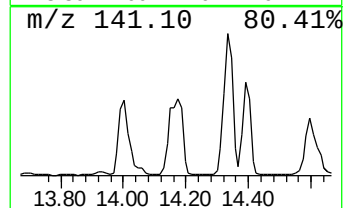
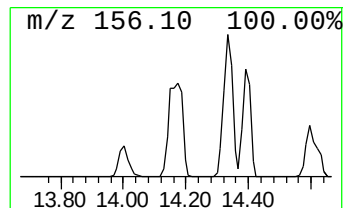
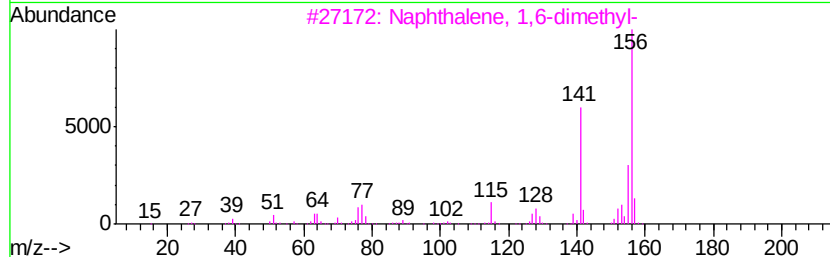
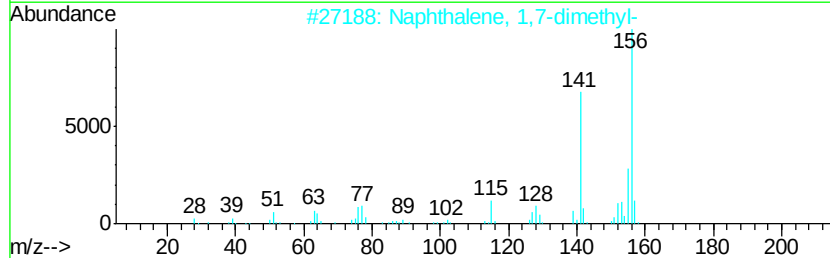
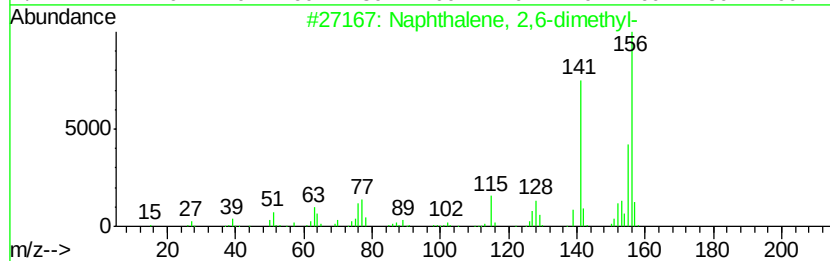
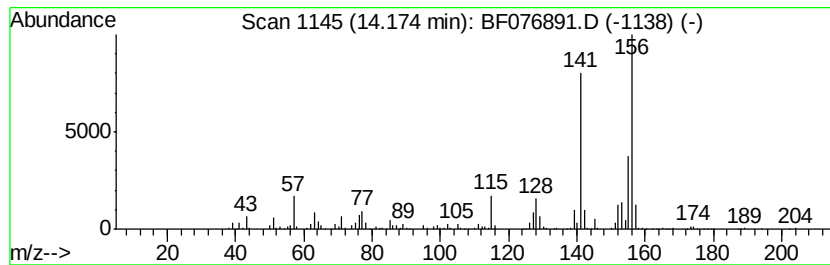
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 2,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.17	109.18 ng	2650130	Acenaphthene-d10	15.08

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011515\
Data File : BF076891.D
Acq On : 15 Jan 2015 19:07
Operator : IZ / TP
Sample : G1030-03
Misc : S
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP1-SS-3(6-8)

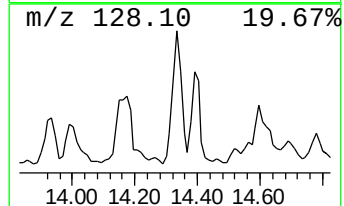
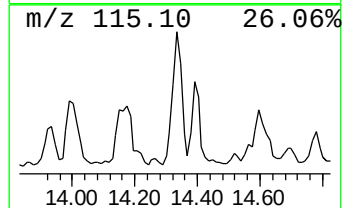
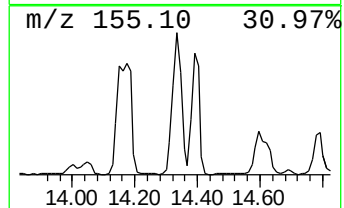
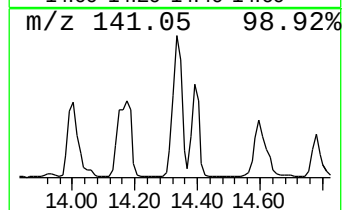
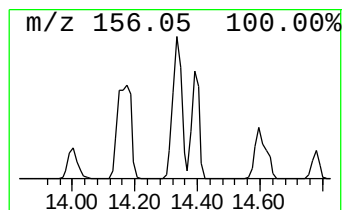
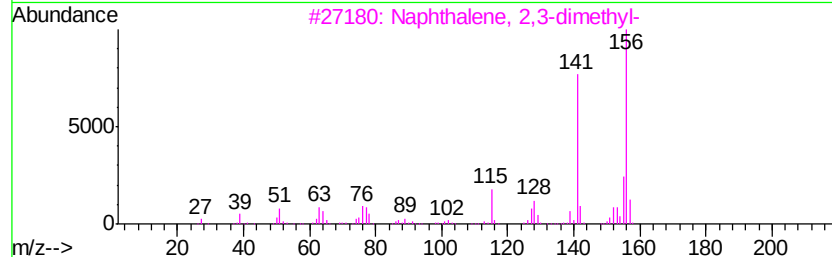
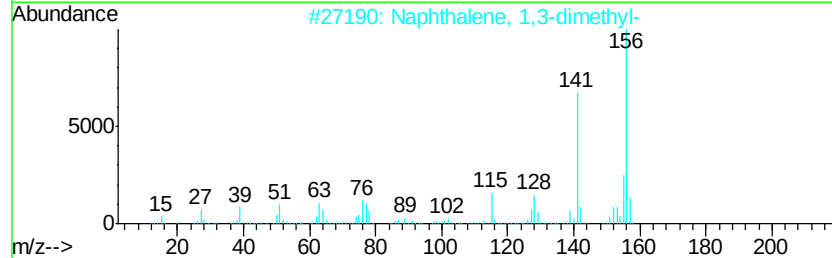
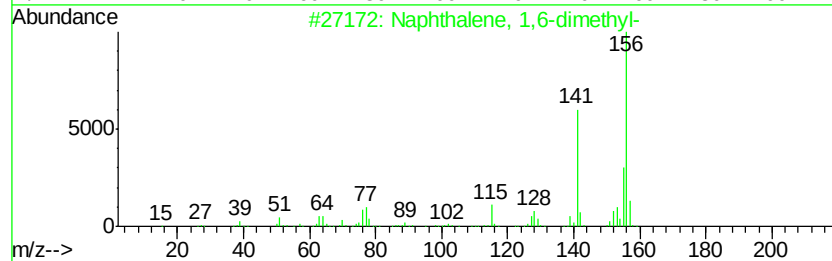
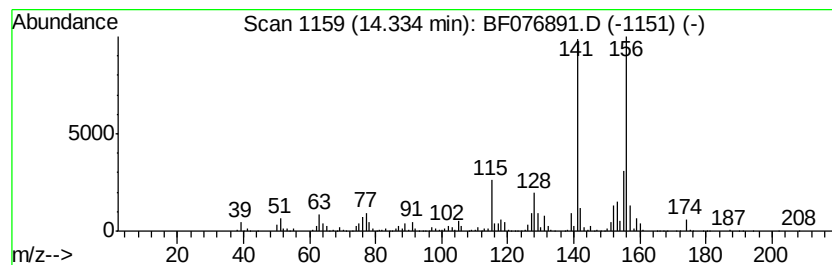
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 1,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	105.95 ng	2571880	Acenaphthene-d10	15.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011515\
Data File : BF076891.D
Acq On : 15 Jan 2015 19:07
Operator : IZ / TP
Sample : G1030-03
Misc : S
ALS Vial : 35 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP1-SS-3(6-8)

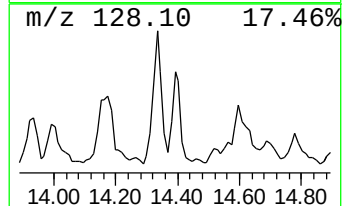
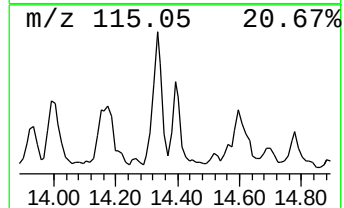
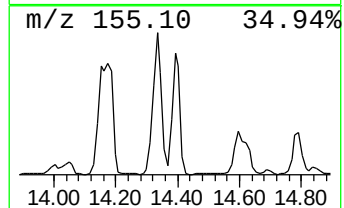
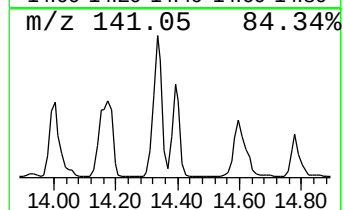
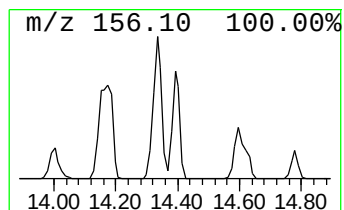
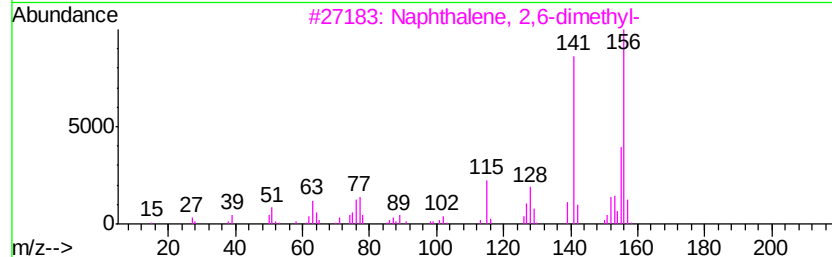
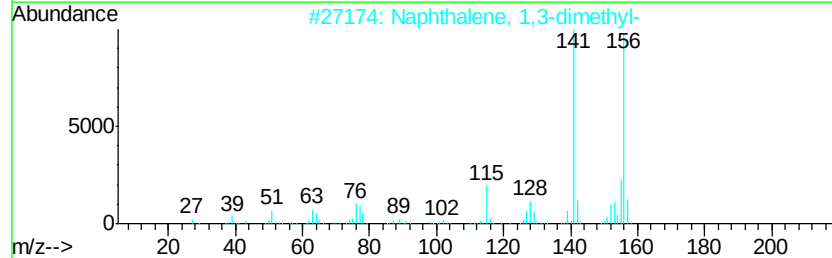
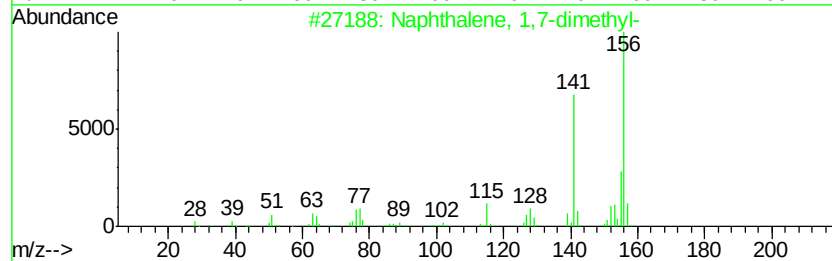
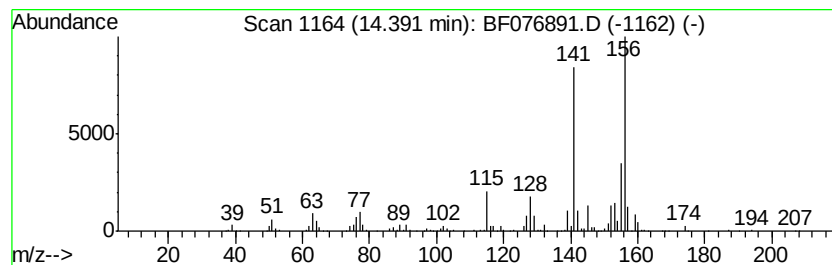
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.39	71.75 ng	1741610	Acenaphthene-d10	15.08

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011515\
Data File : BF076891.D
Acq On : 15 Jan 2015 19:07
Operator : IZ / TP
Sample : G1030-03
Misc : S
ALS Vial : 35 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP1-SS-3(6-8)

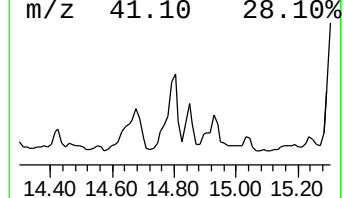
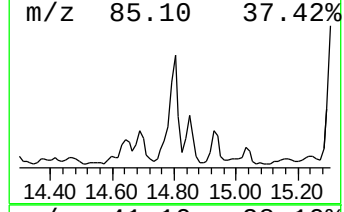
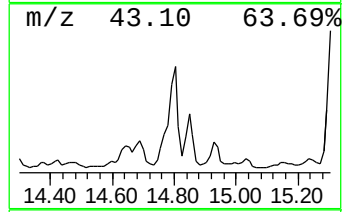
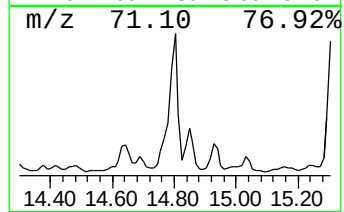
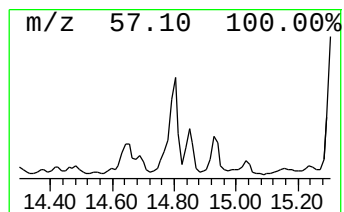
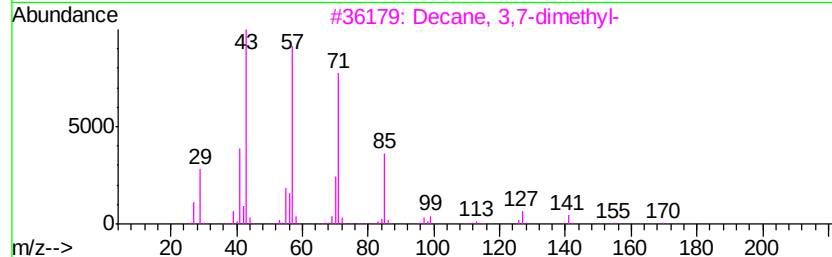
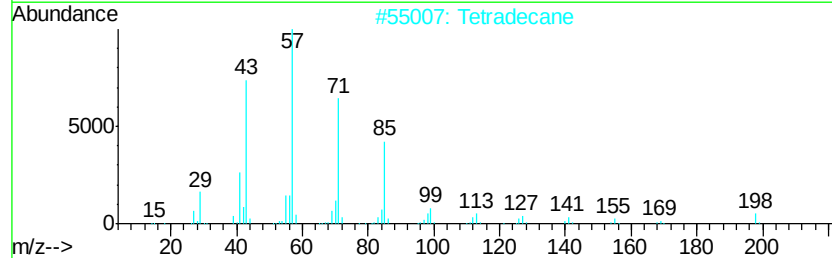
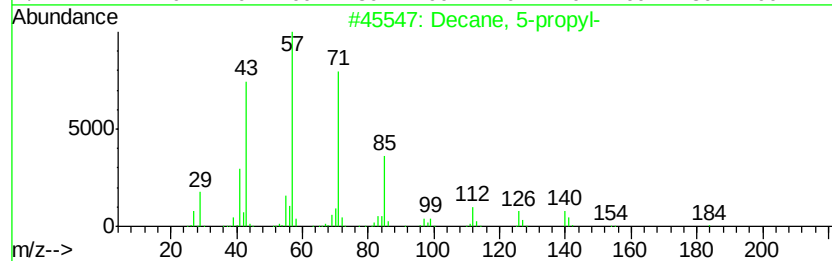
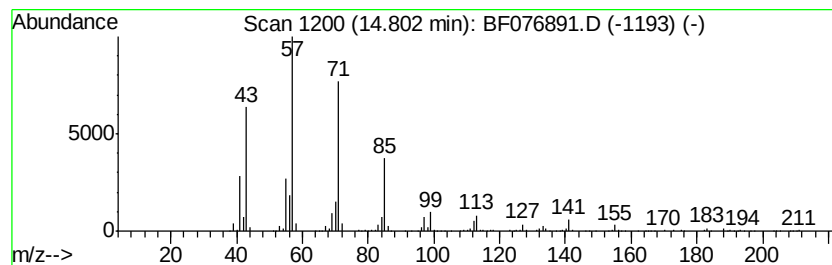
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Decane, 5-propyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	128.59 ng	3121430	Acenaphthene-d10	15.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 5-propyl-	184	C13H28	017312-62-8	87
2		Tetradecane	198	C14H30	000629-59-4	83
3		Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	80
4		Undecane, 2-methyl-	170	C12H26	007045-71-8	80
5		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011515\
Data File : BF076891.D
Acq On : 15 Jan 2015 19:07
Operator : IZ / TP
Sample : G1030-03
Misc : S
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP1-SS-3(6-8)

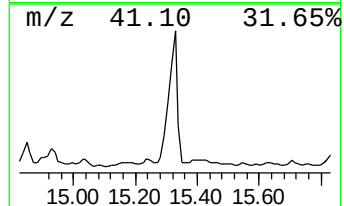
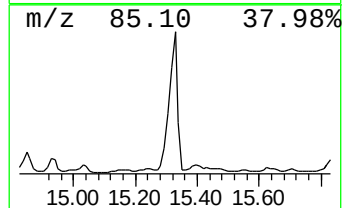
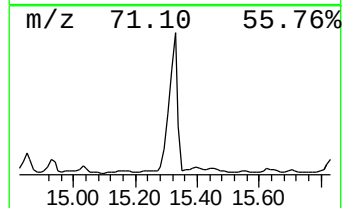
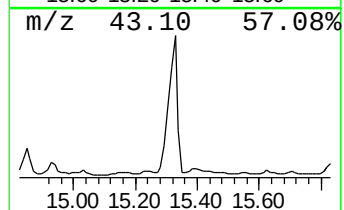
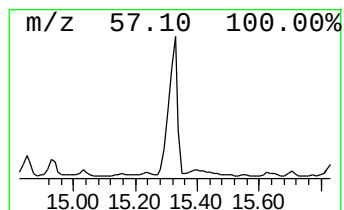
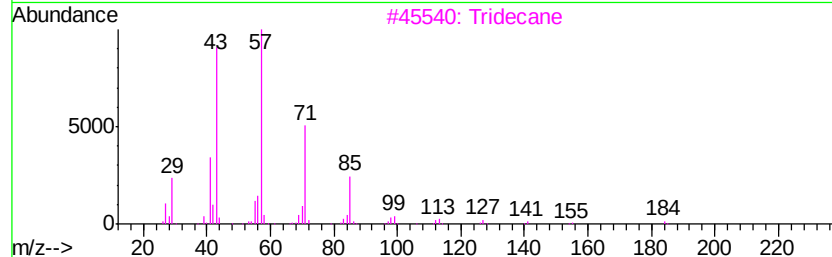
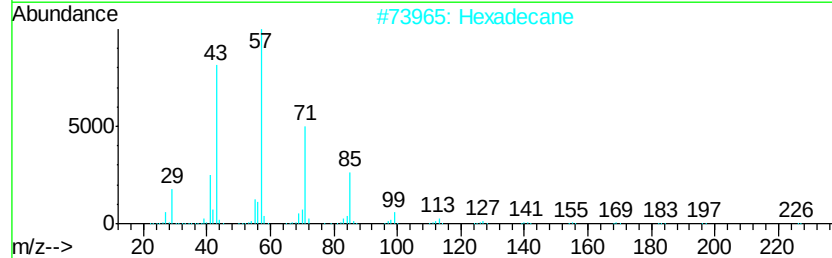
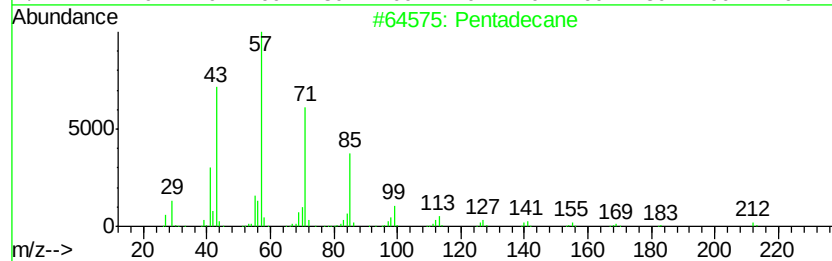
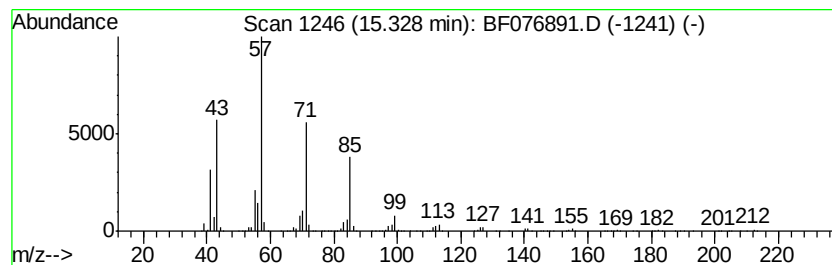
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Pentadecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	276.50 ng	6711660	Acenaphthene-d10	15.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane	212	C15H32	000629-62-9	94
2		Hexadecane	226	C16H34	000544-76-3	91
3		Tridecane	184	C13H28	000629-50-5	86
4		Tetradecane	198	C14H30	000629-59-4	83
5		Tetratetracontane	619	C44H90	007098-22-8	83



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011515\
Data File : BF076891.D
Acq On : 15 Jan 2015 19:07
Operator : IZ / TP
Sample : G1030-03
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ALS Vial : 35 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP1-SS-3(6-8)

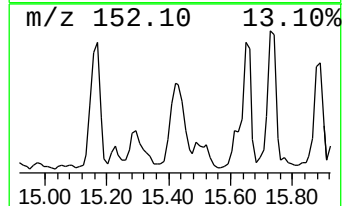
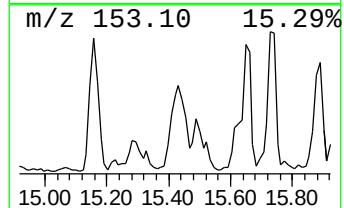
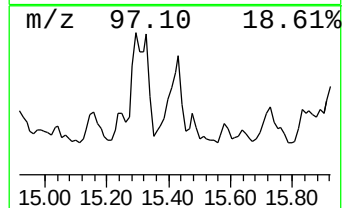
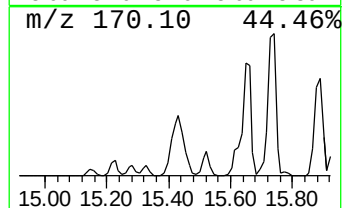
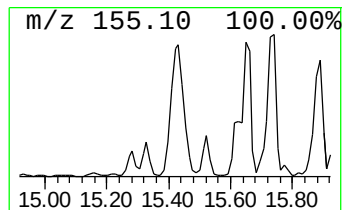
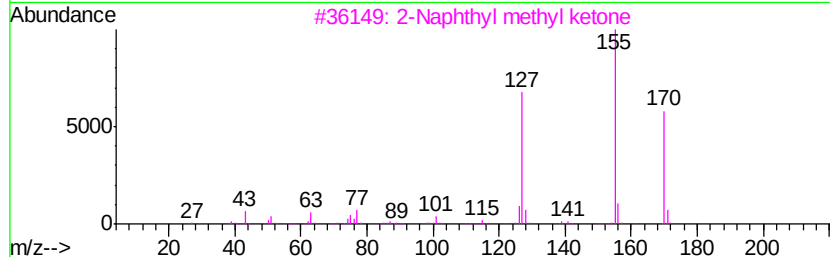
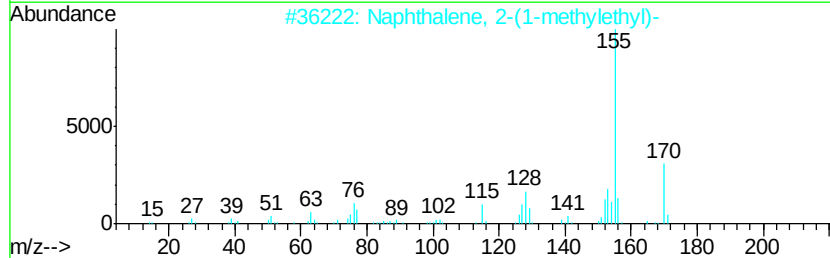
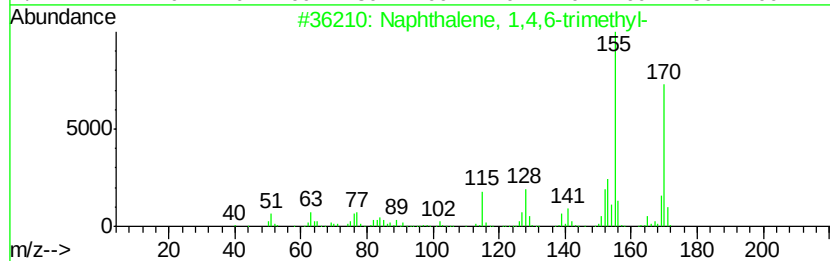
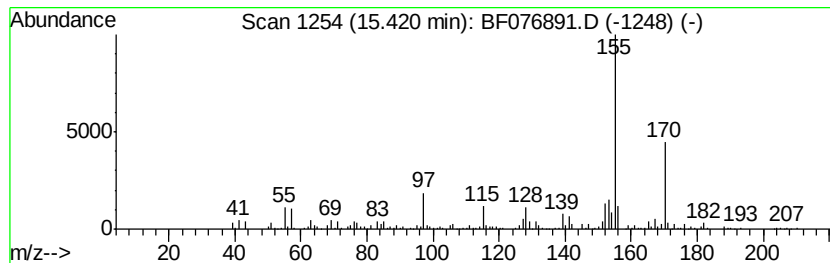
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.42	54.59 ng	1325140	Acenaphthene-d10	15.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	83
2		Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	80
3		2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	64
4		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	58
5		Naphthalene, 1-(1-methylethyl)-	170	C13H14	006158-45-8	58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011515\
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Operator : IZ / TP
Sample : G1030-03
Misc : S
ALS Vial : 35 Sample Multiplier: 1

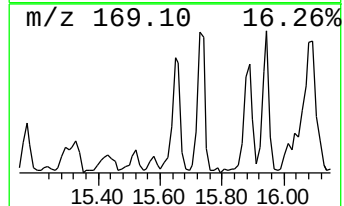
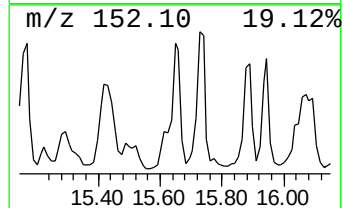
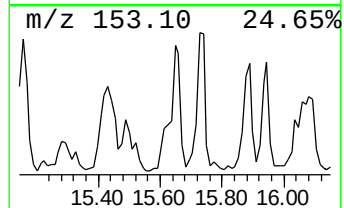
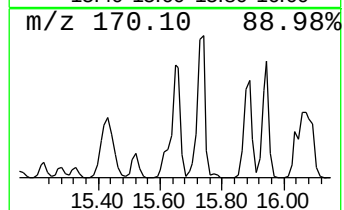
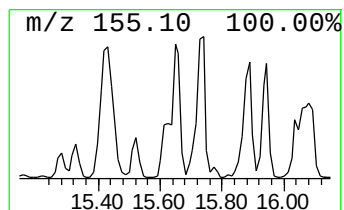
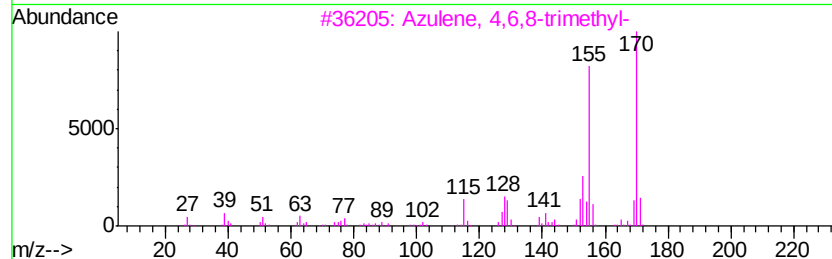
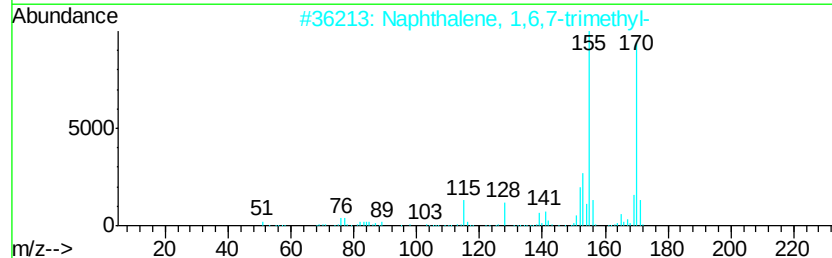
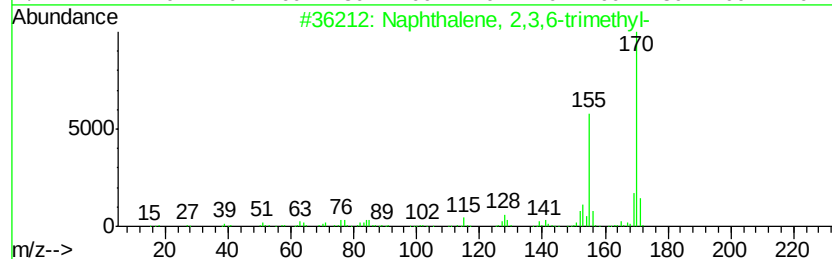
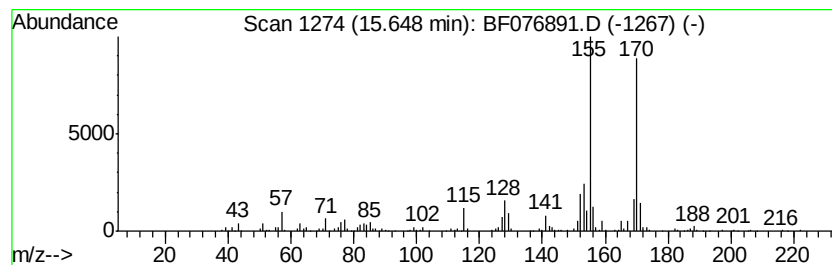
Instrument :
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ClientSampleId :
TP1-SS-3(6-8)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphthalene, 2,3,6-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD		R.T.
15.65	45.26 ng	1098580	Acenaphthene-d10		15.08
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
3	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	94
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011515\
Data File : BF076891.D
Acq On : 15 Jan 2015 19:07
Operator : IZ / TP
Sample : G1030-03
Misc : S
ALS Vial : 35 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP1-SS-3(6-8)

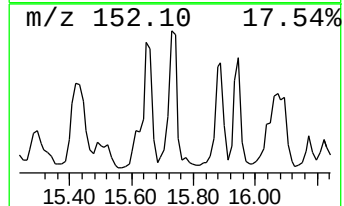
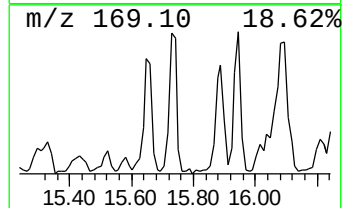
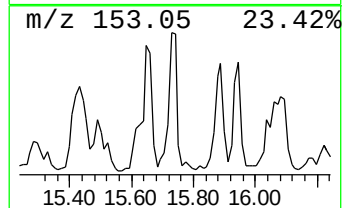
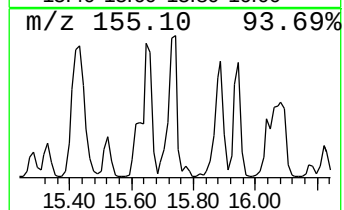
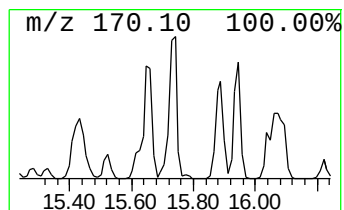
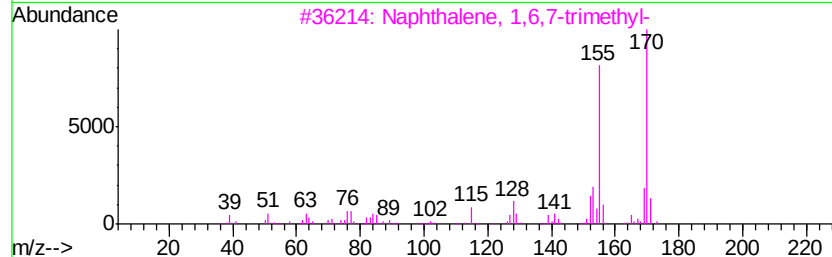
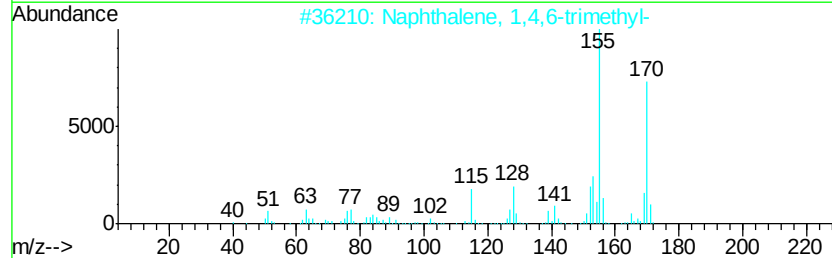
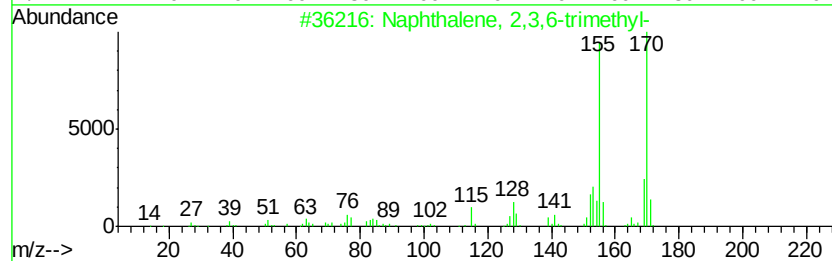
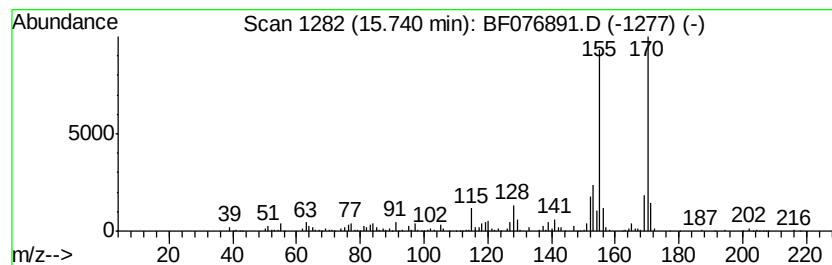
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Naphthalene, 1,6,7-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.74	43.42 ng	1054080	Acenaphthene-d10	15.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
4		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	94
5		Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011515\
Data File : BF076891.D
Acq On : 15 Jan 2015 19:07
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Sample : G1030-03
Misc : S
ALS Vial : 35 Sample Multiplier: 1

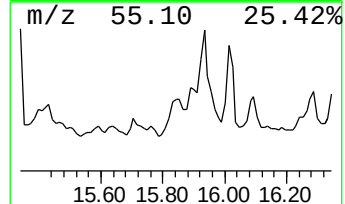
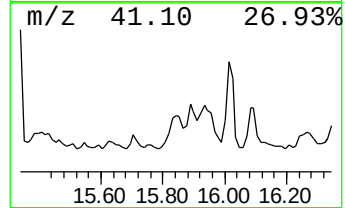
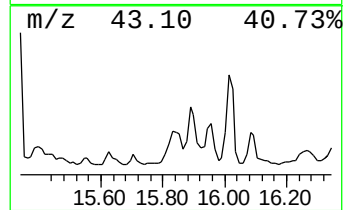
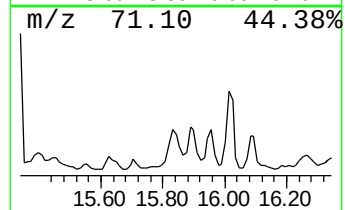
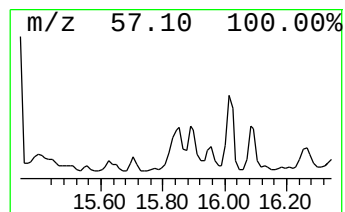
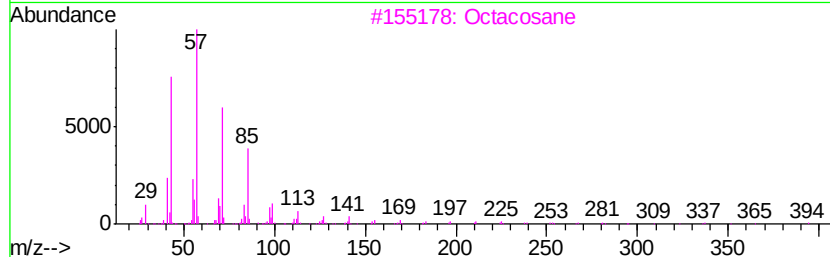
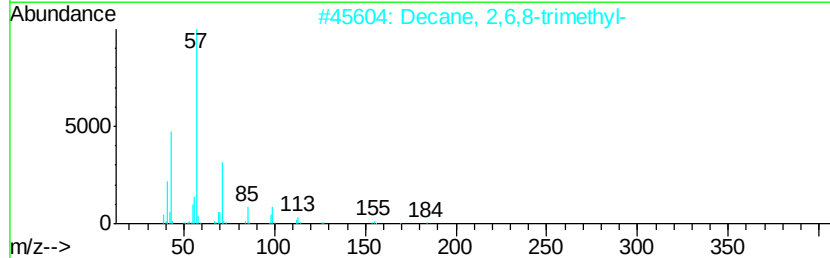
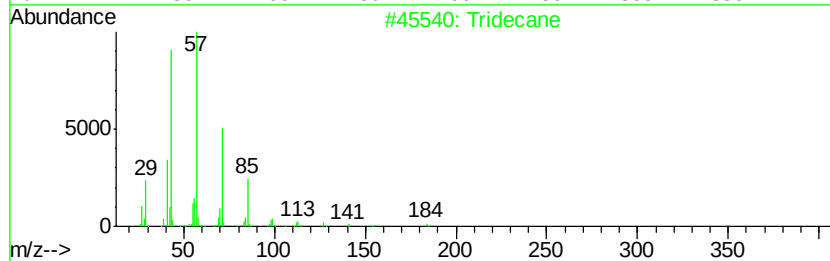
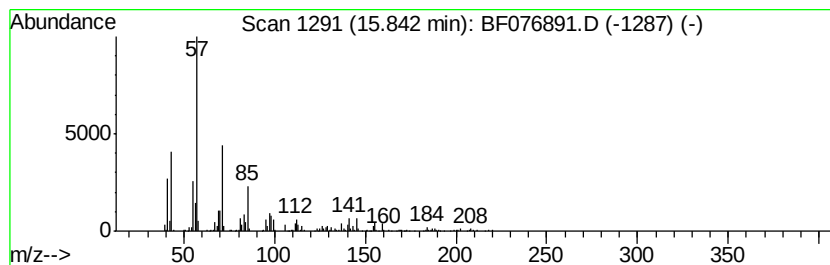
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Tridecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.84	40.59 ng	985272	Acenaphthene-d10	15.08
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Tridecane	184 C13H28	000629-50-5	62
2	Decane, 2,6,8-trimethyl-	184 C13H28	062108-26-3	58
3	Octacosane	394 C28H58	000630-02-4	53
4	Heneicosane	296 C21H44	000629-94-7	53
5	Decane, 6-ethyl-2-methyl-	184 C13H28	062108-21-8	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011515\
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Sample : G1030-03
Misc : S
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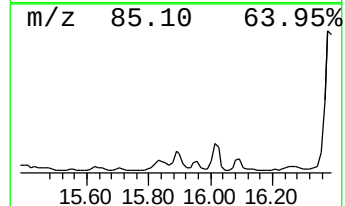
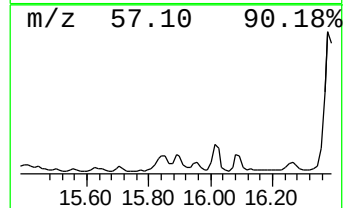
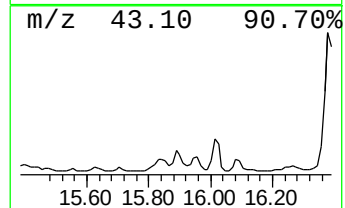
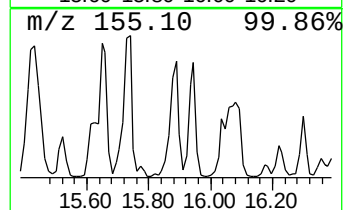
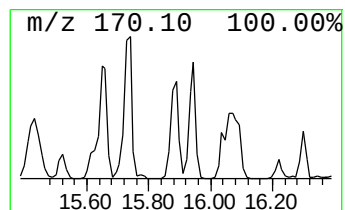
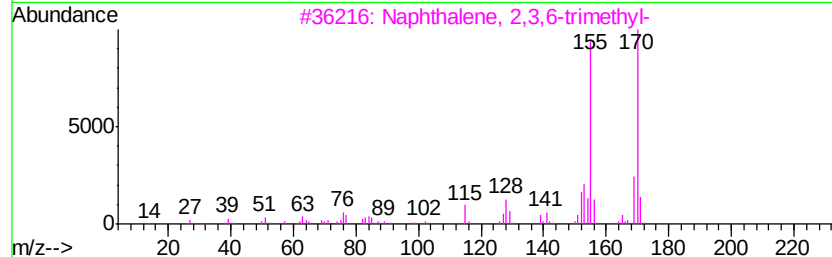
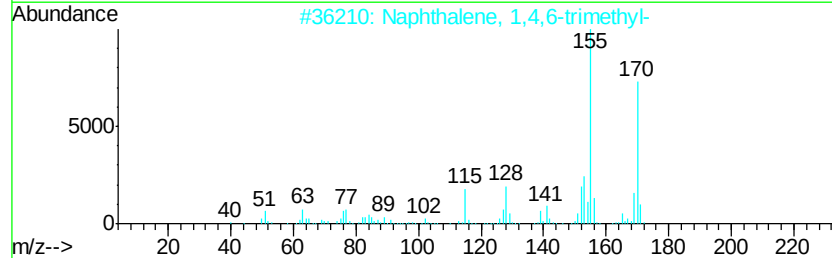
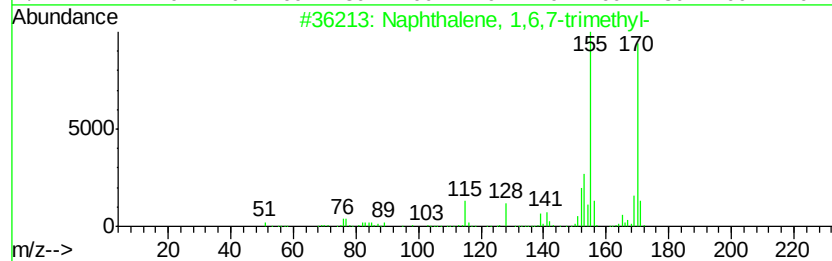
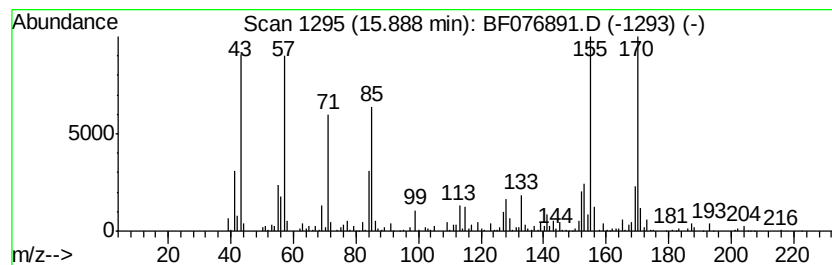
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TP1-SS-3(6-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Azulene, 4,6,8-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.	
15.89	53.75 ng	1304600	Acenaphthene-d10		15.08	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene,	1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2	Naphthalene,	1,4,6-trimethyl-	170	C13H14	002131-42-2	95
3	Naphthalene,	2,3,6-trimethyl-	170	C13H14	000829-26-5	91
4	Azulene,	4,6,8-trimethyl-	170	C13H14	000941-81-1	83
5	Naphthalene,	1,4,5-trimethyl-	170	C13H14	002131-41-1	78



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011515\
Data File : BF076891.D
Acq On : 15 Jan 2015 19:07
Operator : IZ / TP
Sample : G1030-03
Misc : S
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP1-SS-3(6-8)

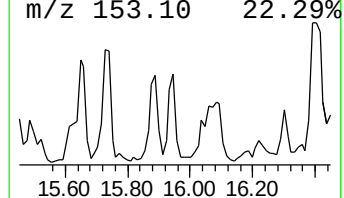
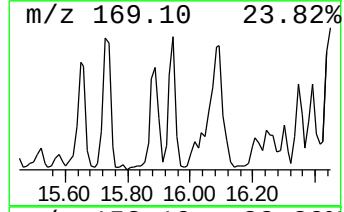
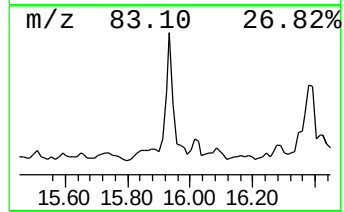
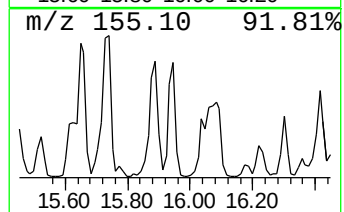
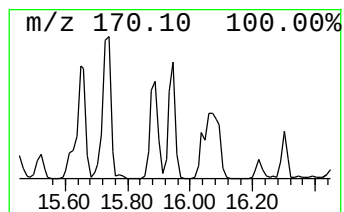
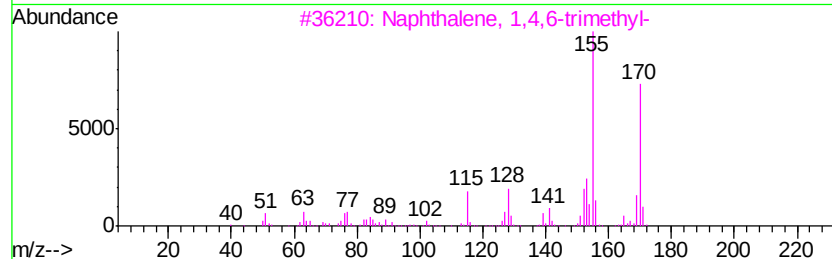
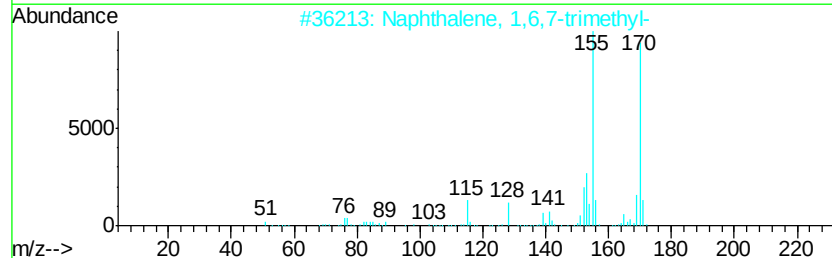
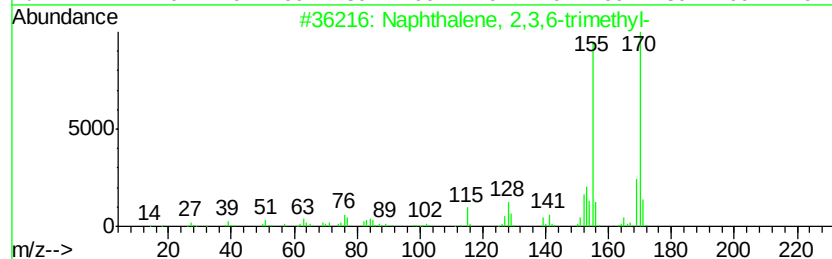
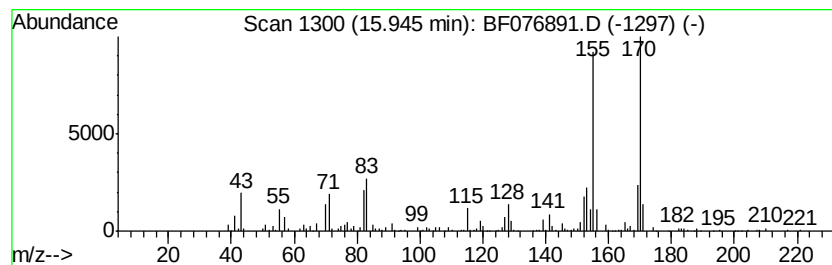
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Naphthalene, 1,4,5-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.95	65.83 ng	1597920	Acenaphthene-d10	15.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
3		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91
5		Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011515\
Data File : BF076891.D
Acq On : 15 Jan 2015 19:07
Operator : IZ / TP
Sample : G1030-03
Misc : S
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP1-SS-3(6-8)

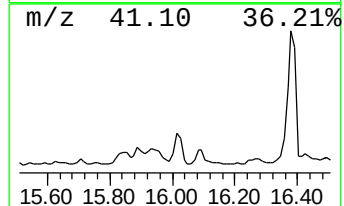
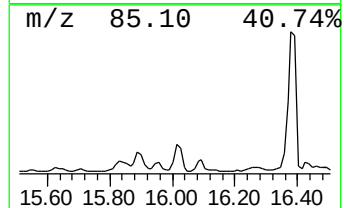
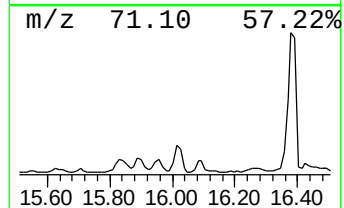
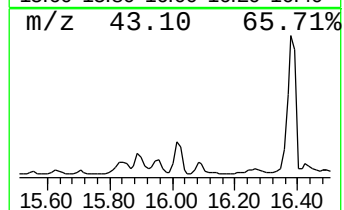
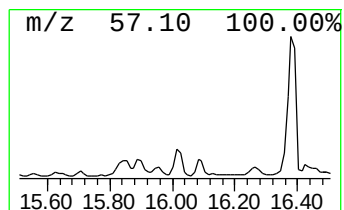
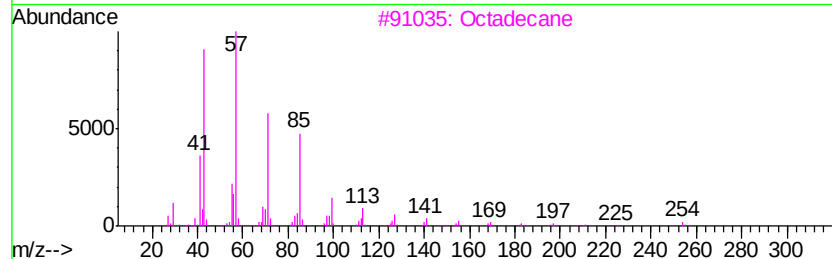
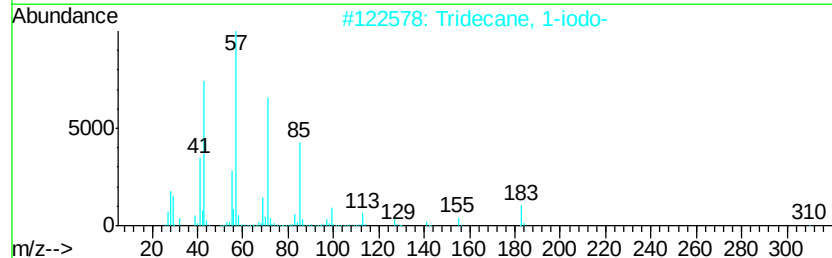
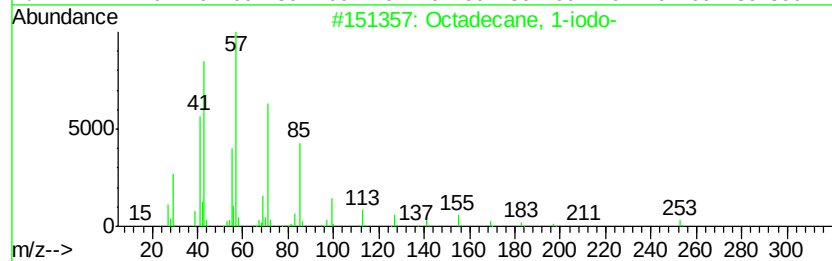
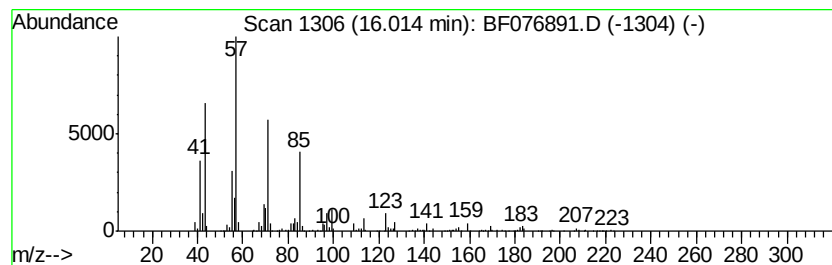
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Octadecane, 1-iodo- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.01	54.13 ng	1313850	Acenaphthene-d10	15.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	81
2		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	80
3		Octadecane	254	C18H38	000593-45-3	80
4		Docosane	310	C22H46	000629-97-0	80
5		Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	80



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011515\
Data File : BF076891.D
Acq On : 15 Jan 2015 19:07
Operator : IZ / TP
Sample : G1030-03
Misc : S
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP1-SS-3(6-8)

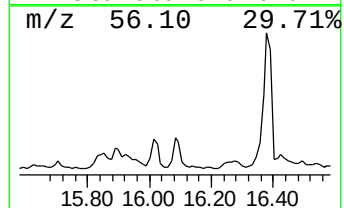
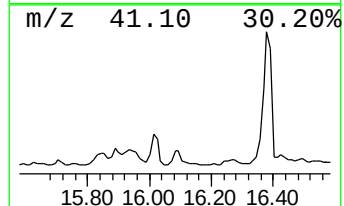
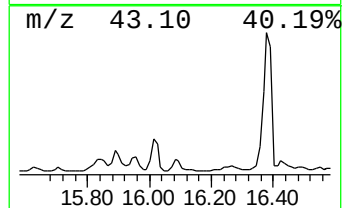
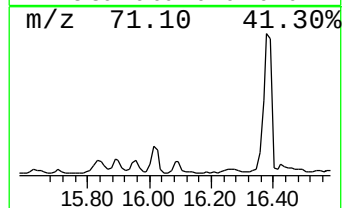
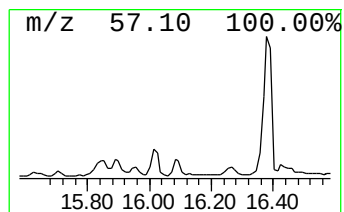
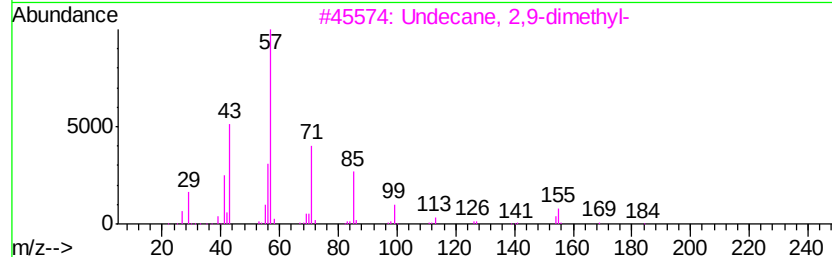
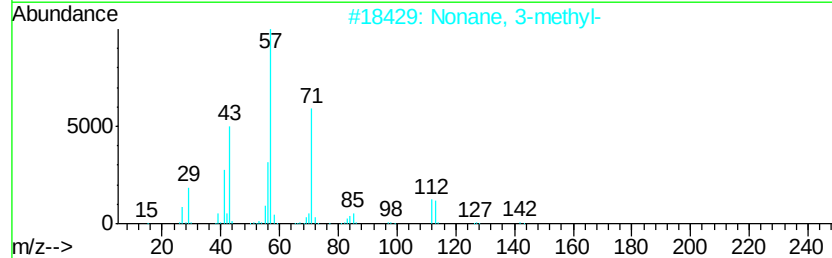
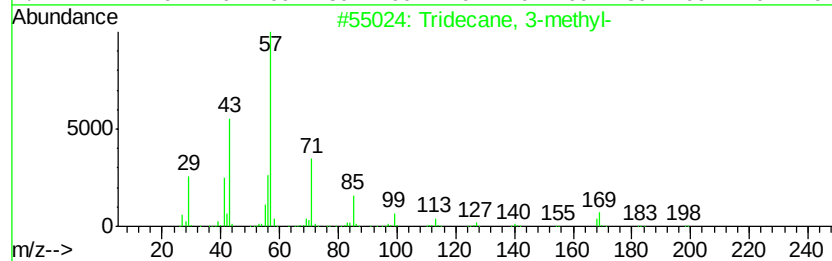
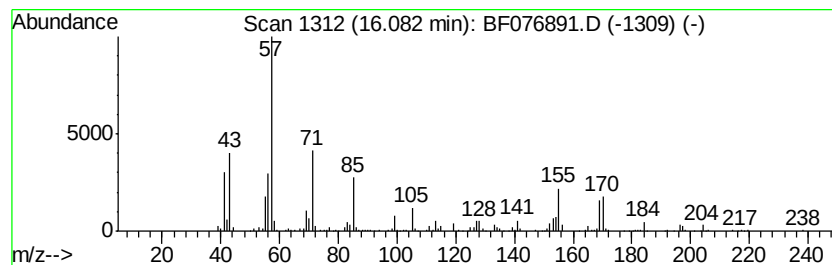
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Tridecane, 3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.08	48.26 ng	1171440	Acenaphthene-d10	15.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 3-methyl-	198	C14H30	006418-41-3	62
2		Nonane, 3-methyl-	142	C10H22	005911-04-6	55
3		Undecane, 2,9-dimethyl-	184	C13H28	017301-26-7	53
4		Dodecane, 3-methyl-	184	C13H28	017312-57-1	53
5		Hexadecane, 3-methyl-	240	C17H36	006418-43-5	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011515\
Data File : BF076891.D
Acq On : 15 Jan 2015 19:07
Operator : IZ / TP
Sample : G1030-03
Misc : S
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP1-SS-3(6-8)

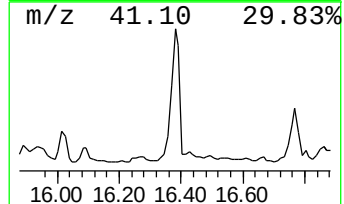
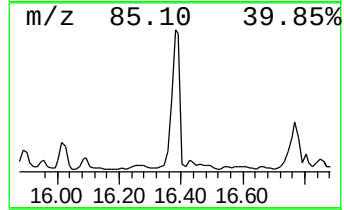
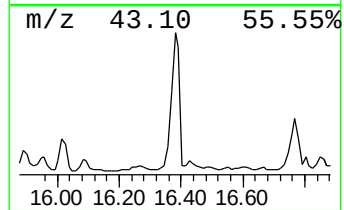
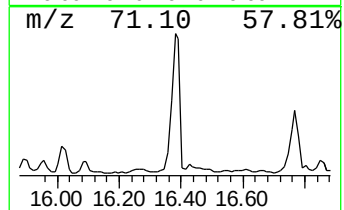
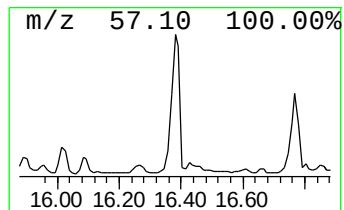
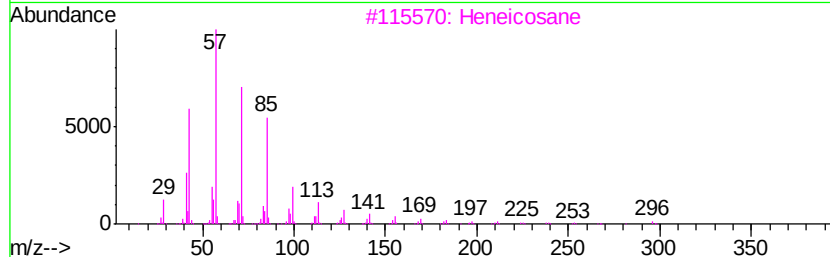
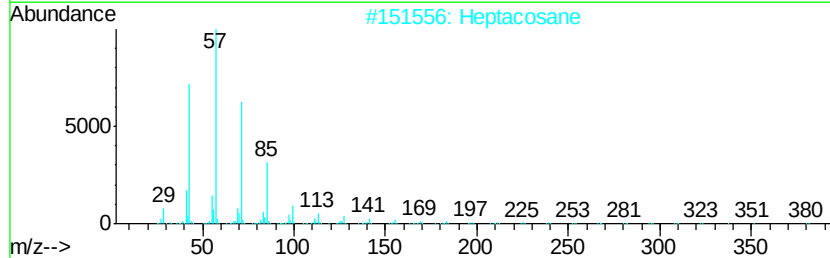
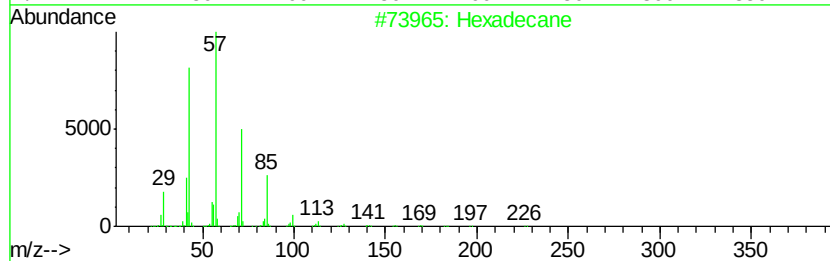
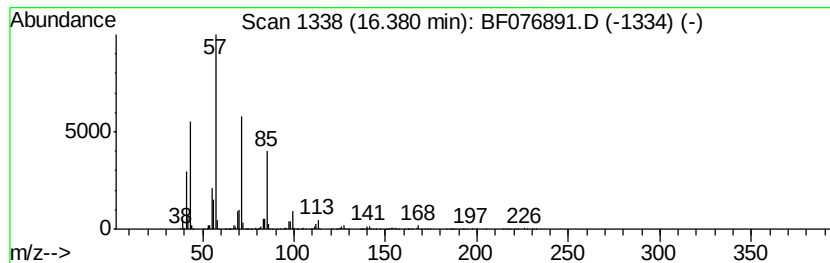
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Hexadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.38	274.04 ng	6651820	Acenaphthene-d10	15.08

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	91
2		Heptacosane	380	C27H56	000593-49-7	90
3		Heneicosane	296	C21H44	000629-94-7	90
4		Heptadecane	240	C17H36	000629-78-7	90
5		Nonadecane	268	C19H40	000629-92-5	74



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011515\
 Data File : BF076891.D
 Acq On : 15 Jan 2015 19:07
 Operator : IZ / TP
 Sample : G1030-03
 Misc : S
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP1-SS-3(6-8)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.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
Undecane	9.61	71.3	ng	4309660	2	10.93	1209360	20.0
Dodecane	11.21	80.7	ng	4881670	2	10.93	1209360	20.0
unknown13.29	13.29	46.0	ng	1117150	3	15.08	485470	20.0
Dodecane, 2,7,10-...	13.69	107.9	ng	2618380	3	15.08	485470	20.0
Naphthalene, 1,2,...	13.93	38.8	ng	940898	3	15.08	485470	20.0
Tridecane, 6-methyl-	14.05	312.6	ng	7587030	3	15.08	485470	20.0
Naphthalene, 2,6-...	14.17	109.2	ng	2650130	3	15.08	485470	20.0
Naphthalene, 1,6-...	14.33	106.0	ng	2571880	3	15.08	485470	20.0
Naphthalene, 1,7-...	14.39	71.8	ng	1741610	3	15.08	485470	20.0
Decane, 5-propyl-	14.80	128.6	ng	3121430	3	15.08	485470	20.0
Pentadecane	15.33	276.5	ng	6711660	3	15.08	485470	20.0
Naphthalene, 1,4,...	15.42	54.6	ng	1325140	3	15.08	485470	20.0
Naphthalene, 2,3,...	15.65	45.3	ng	1098580	3	15.08	485470	20.0
Naphthalene, 1,6,...	15.74	43.4	ng	1054080	3	15.08	485470	20.0
Tridecane	15.84	40.6	ng	985272	3	15.08	485470	20.0
Azulene, 4,6,8-tr...	15.89	53.8	ng	1304600	3	15.08	485470	20.0
Naphthalene, 1,4,...	15.95	65.8	ng	1597920	3	15.08	485470	20.0
Octadecane, 1-iodo-	16.01	54.1	ng	1313850	3	15.08	485470	20.0
Tridecane, 3-methyl-	16.08	48.3	ng	1171440	3	15.08	485470	20.0
Hexadecane	16.38	274.0	ng	6651820	3	15.08	485470	20.0