

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111919\
 Data File : BF117875.D
 Acq On : 19 Nov 2019 22:25
 Operator : JU
 Sample : K5665-01 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-111419

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-BF111319.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	5.522	575	584	587	rBV	1922465	1855377	25.53%	1.083%
2	5.828	632	636	643	rVB	846973	802775	11.05%	0.469%
3	6.169	688	694	700	rBV3	750503	1281880	17.64%	0.748%
4	6.357	721	726	728	rBV2	579714	755262	10.39%	0.441%
5	6.416	734	736	738	rVB	870307	598654	8.24%	0.349%
6	6.445	738	741	744	rBV2	1883033	1939534	26.69%	1.132%
7	6.475	744	746	749	rVB2	648502	523677	7.21%	0.306%
8	6.510	749	752	753	rBV	1070786	1136763	15.64%	0.664%
9	6.528	753	755	759	rVB	1833910	1812791	24.95%	1.058%
10	6.604	764	768	773	rVB4	668319	836444	11.51%	0.488%
11	6.681	773	781	783	rBV2	2344751	3029441	41.69%	1.769%
12	6.757	789	794	797	rBV2	5261122	6298699	86.68%	3.677%
13	6.857	805	811	813	rBV2	478074	731480	10.07%	0.427%
14	6.916	817	821	822	rVV2	1594233	1692787	23.30%	0.988%
15	6.933	822	824	826	rVV	1552841	1263864	17.39%	0.738%
16	6.975	828	831	836	rVB2	1412691	1379731	18.99%	0.805%
17	7.033	839	841	844	rVB2	724326	578206	7.96%	0.338%
18	7.069	844	847	850	rBV3	2708361	2979685	41.00%	1.739%
19	7.098	850	852	855	rVB	806539	659199	9.07%	0.385%
20	7.151	858	861	862	rBV	539887	526340	7.24%	0.307%
21	7.169	862	864	866	rVV2	630330	697225	9.59%	0.407%
22	7.192	866	868	871	rVB	2746005	2595244	35.71%	1.515%
23	7.239	871	876	878	rBV2	2105527	2984734	41.07%	1.742%
24	7.257	878	879	883	rVB	1873449	1408511	19.38%	0.822%
25	7.310	883	888	892	rBV3	2535814	3486616	47.98%	2.035%
26	7.351	892	895	899	rVB4	425535	549493	7.56%	0.321%
27	7.386	899	901	903	rBV	784732	728892	10.03%	0.426%
28	7.410	903	905	908	rVB	1003648	806829	11.10%	0.471%
29	7.457	908	913	915	rBV2	2304693	2999807	41.28%	1.751%
30	7.475	915	916	919	rVV2	1603135	1501865	20.67%	0.877%
31	7.522	919	924	927	rVB	6628344	7266713	100.00%	4.242%
32	7.569	927	932	935	rVB4	1852627	2745750	37.79%	1.603%
33	7.604	935	938	940	rBV3	1061636	1427080	19.64%	0.833%
34	7.628	940	942	946	rVV4	885541	1236024	17.01%	0.722%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.704	952	955	956	rVV2	954258	1137421	15.65%	0.664%
36	7.733	956	960	963	rVV3	1875942	2601029	35.79%	1.518%
37	7.810	968	973	974	rBV2	1010072	1238265	17.04%	0.723%
38	7.828	974	976	978	rVV	1762776	1498513	20.62%	0.875%
39	7.851	978	980	983	rVV2	1748087	1804783	24.84%	1.054%
40	7.892	983	987	989	rVV4	2026246	2634307	36.25%	1.538%
41	7.922	989	992	994	rVV3	2574002	2236305	30.77%	1.305%
42	7.957	994	998	1003	rVV4	2708618	5046739	69.45%	2.946%
43	7.998	1003	1005	1007	rVV	1817445	1719724	23.67%	1.004%
44	8.022	1007	1009	1011	rVV2	1132368	1219258	16.78%	0.712%
45	8.045	1011	1013	1016	rVB	1766163	1667369	22.95%	0.973%
46	8.075	1016	1018	1022	rBV2	930793	1065519	14.66%	0.622%
47	8.116	1022	1025	1028	rBV3	792539	1016153	13.98%	0.593%
48	8.192	1034	1038	1043	rVB3	6387305	6384333	87.86%	3.727%
49	8.269	1046	1051	1054	rVB2	3300228	3938678	54.20%	2.299%
50	8.298	1054	1056	1058	rBV	1355076	1225911	16.87%	0.716%
51	8.363	1064	1067	1069	rBV3	738401	842314	11.59%	0.492%
52	8.404	1072	1074	1078	rVB2	1473905	1558680	21.45%	0.910%
53	8.504	1085	1091	1097	rBV6	2730669	4095827	56.36%	2.391%
54	8.557	1097	1100	1102	rVB2	1944626	1757360	24.18%	1.026%
55	8.586	1102	1105	1108	rBV3	2217431	2296502	31.60%	1.341%
56	8.627	1108	1112	1115	rBV2	2797672	2900421	39.91%	1.693%
57	8.651	1115	1116	1118	rVB	881984	525690	7.23%	0.307%
58	8.675	1118	1120	1123	rVB2	1217207	1036245	14.26%	0.605%
59	8.716	1123	1127	1130	rBV	3371339	2933794	40.37%	1.713%
60	8.757	1130	1134	1136	rBV4	589447	540697	7.44%	0.316%
61	8.804	1138	1142	1146	rBV	6012267	5784639	79.60%	3.377%
62	8.839	1146	1148	1150	rBV2	566735	639982	8.81%	0.374%
63	8.898	1155	1158	1161	rVB4	1344759	1565841	21.55%	0.914%
64	8.922	1161	1162	1166	rVB4	927007	677294	9.32%	0.395%
65	8.963	1166	1169	1171	rBV2	775150	680872	9.37%	0.397%
66	8.998	1171	1175	1176	rBV4	486130	674093	9.28%	0.394%
67	9.033	1179	1181	1184	rVB2	1470901	1093199	15.04%	0.638%
68	9.086	1186	1190	1191	rBV3	829132	936994	12.89%	0.547%
69	9.163	1199	1203	1207	rVB2	1712805	2375861	32.70%	1.387%
70	9.204	1208	1210	1212	rVV2	1347894	1126654	15.50%	0.658%
71	9.233	1212	1215	1217	rVV2	2046835	2141460	29.47%	1.250%

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72	9.286	1221	1224	1229	rVB2	2236642	2194971	30.21%	1.281%
73	9.369	1234	1238	1242	rBV	4659174	4364875	60.07%	2.548%
74	9.410	1242	1245	1247	rVV3	650502	872007	12.00%	0.509%
75	9.439	1248	1250	1253	rVV2	1300006	1073857	14.78%	0.627%
76	9.622	1275	1281	1283	rBV5	1135108	1772926	24.40%	1.035%
77	9.645	1283	1285	1288	rVV2	1001940	976503	13.44%	0.570%
78	9.686	1288	1292	1294	rVV4	1741939	2438234	33.55%	1.423%
79	9.710	1294	1296	1299	rVV2	1222411	1201410	16.53%	0.701%
80	9.745	1299	1302	1305	rVV2	1194828	1132282	15.58%	0.661%
81	9.898	1324	1328	1331	rVV	2501723	2192190	30.17%	1.280%
82	9.969	1337	1340	1344	rVV	1806900	1611400	22.18%	0.941%
83	10.216	1379	1382	1387	rBV6	396514	606468	8.35%	0.354%
84	10.398	1407	1413	1416	rBV	1076651	1090025	15.00%	0.636%
85	10.751	1468	1473	1477	rVB2	998619	993127	13.67%	0.580%
86	10.868	1490	1493	1502	rVB	613153	776431	10.68%	0.453%
87	11.457	1590	1593	1595	rBV	1562327	1262413	17.37%	0.737%
88	11.480	1595	1597	1603	rVV	801651	671627	9.24%	0.392%
89	12.539	1774	1777	1778	rVV2	730072	736035	10.13%	0.430%
90	12.557	1778	1780	1785	rVV3	1076082	1102539	15.17%	0.644%
91	12.674	1797	1800	1805	rBV	1333084	1166716	16.06%	0.681%
92	12.904	1834	1839	1846	rVV	1337710	1930853	26.57%	1.127%
93	13.045	1860	1863	1870	rVB	2008861	1808460	24.89%	1.056%
94	13.621	1958	1961	1965	rBV	503664	537412	7.40%	0.314%
95	14.109	2039	2044	2046	rBV2	1322798	1700132	23.40%	0.992%
96	14.268	2068	2071	2079	rVB	764426	736784	10.14%	0.430%
97	14.574	2121	2123	2128	rVB	671586	645922	8.89%	0.377%
98	14.898	2175	2178	2181	rBV	617676	585181	8.05%	0.342%
99	15.621	2298	2301	2304	rBV	539874	716063	9.85%	0.418%
100	15.651	2304	2306	2314	rVB	520485	666635	9.17%	0.389%

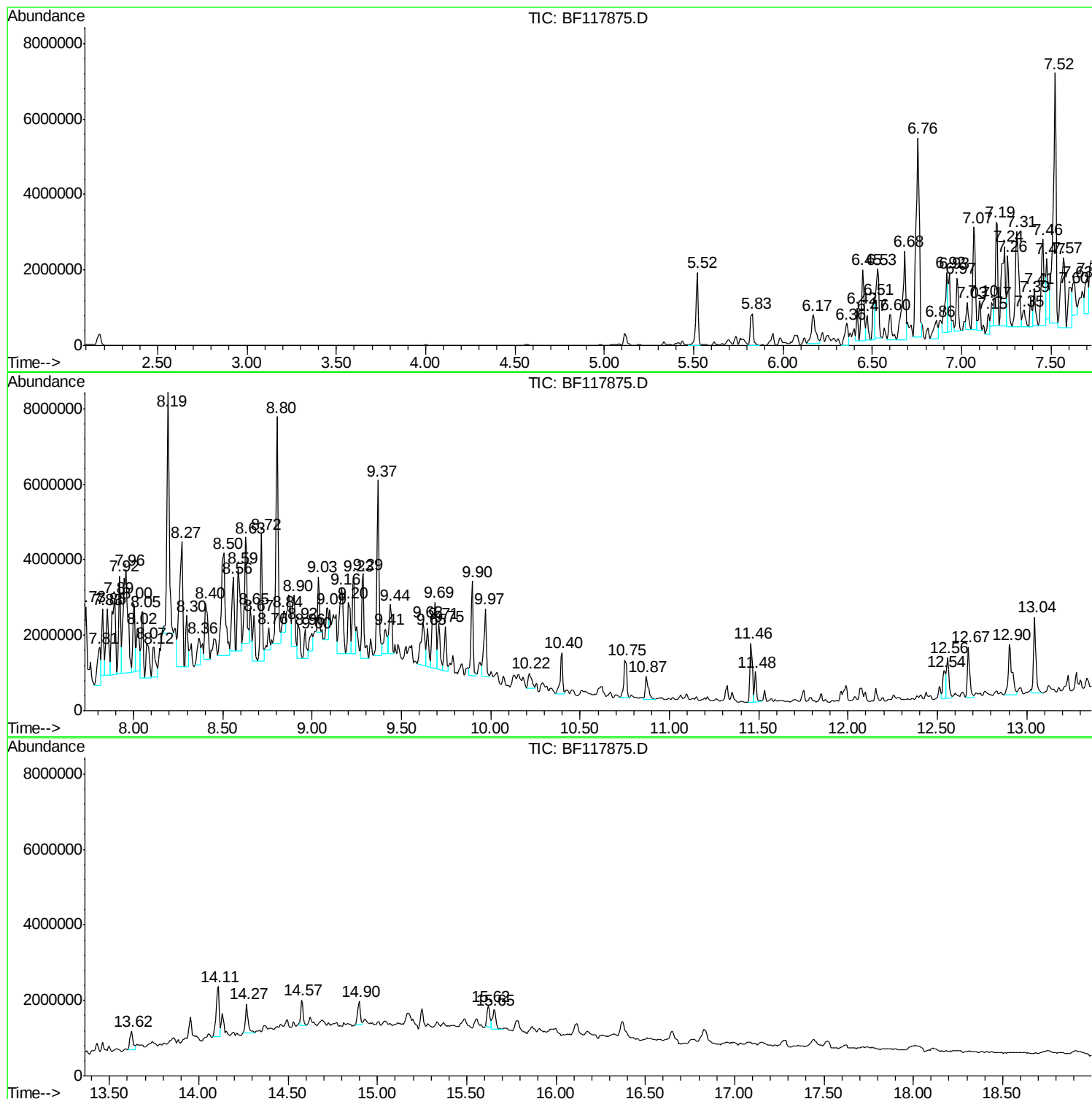
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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
HR-05-111419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.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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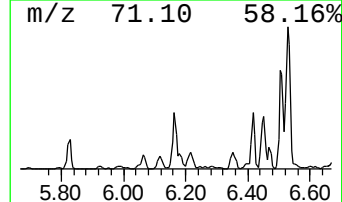
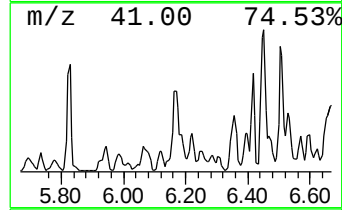
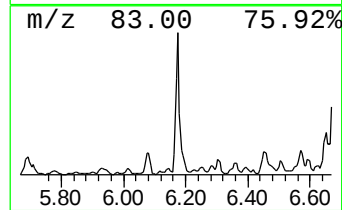
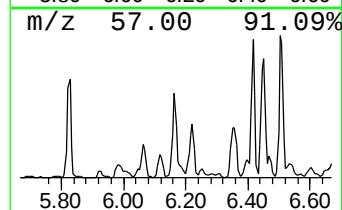
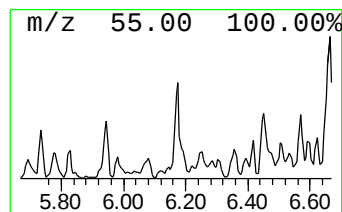
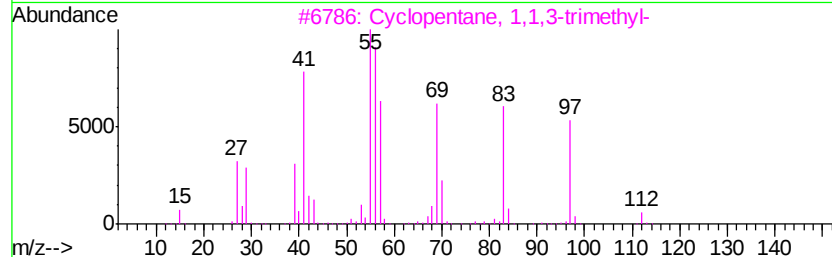
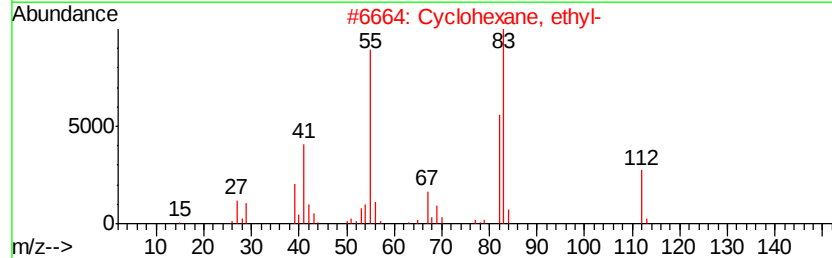
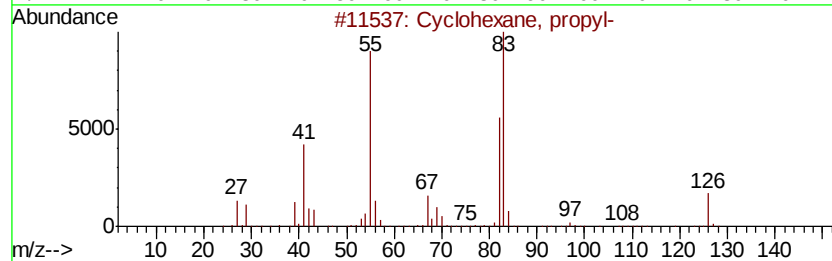
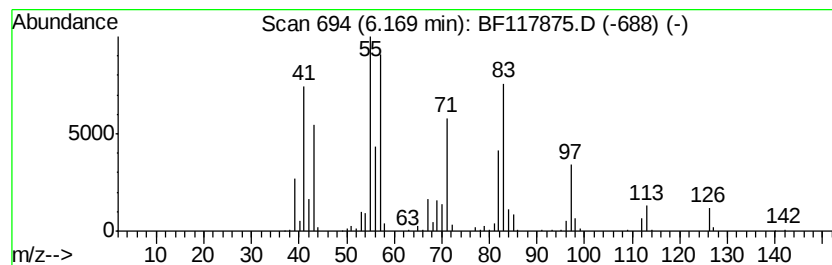
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.17 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.17	15.15 ng	1281880	1,4-Dichlorobenzene-d4	6.92

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, propyl-	126	C9H18	001678-92-8	46
2			Cyclohexane, ethyl-	112	C8H16	001678-91-7	45
3			Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	38
4			Ethanone, 1-(1-methylcyclopentyl)-	126	C8H14O	013388-93-7	38
5			3-Ethyl-2-hexene	112	C8H16	000620-00-8	30



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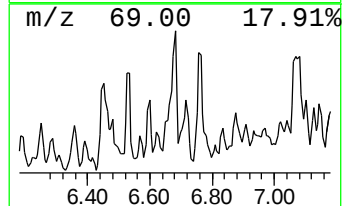
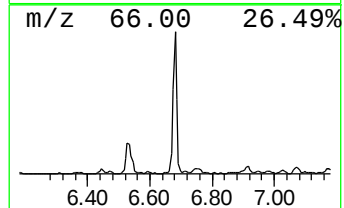
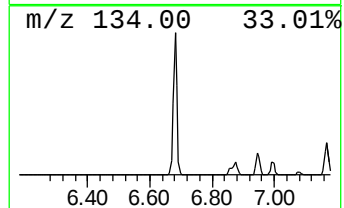
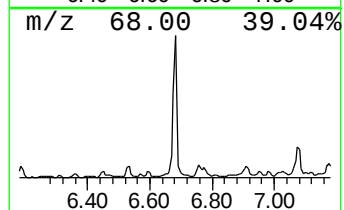
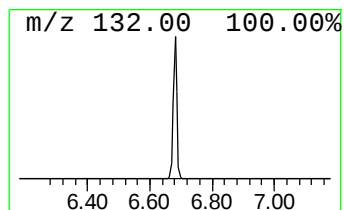
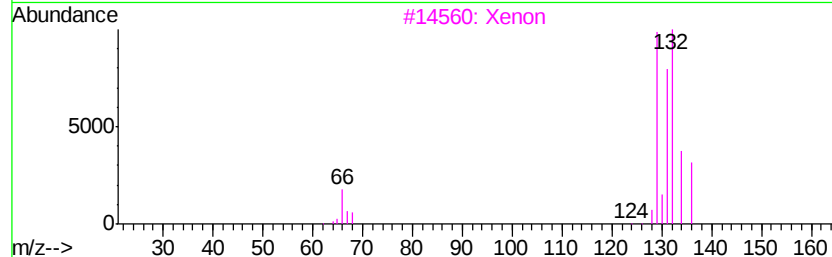
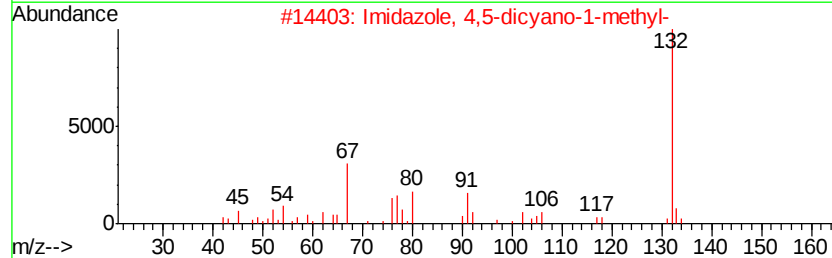
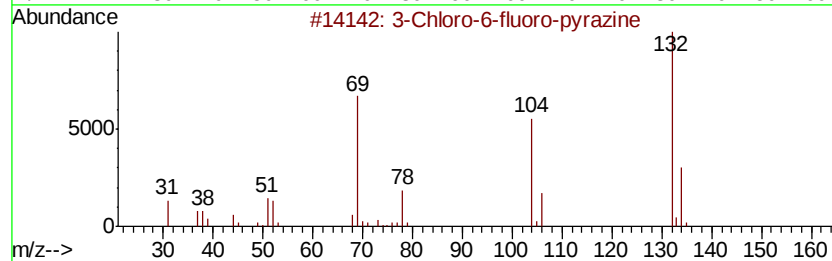
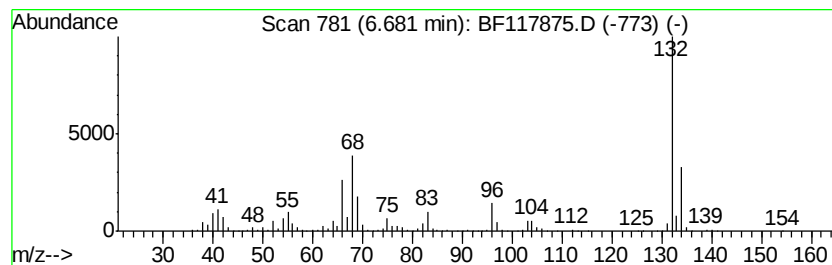
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown6.68 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	35.79 ng	3029440	1,4-Dichlorobenzene-d4	6.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9
3		Xenon	132	Xe	007440-63-3	9
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9



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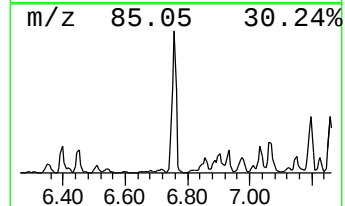
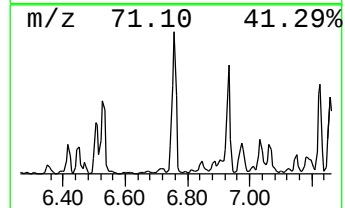
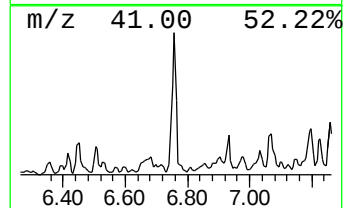
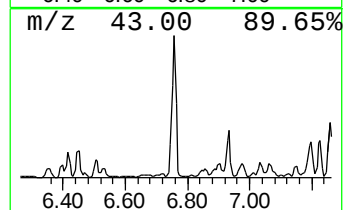
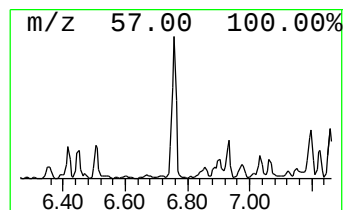
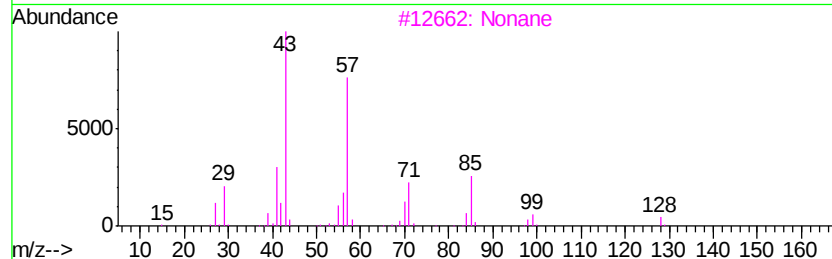
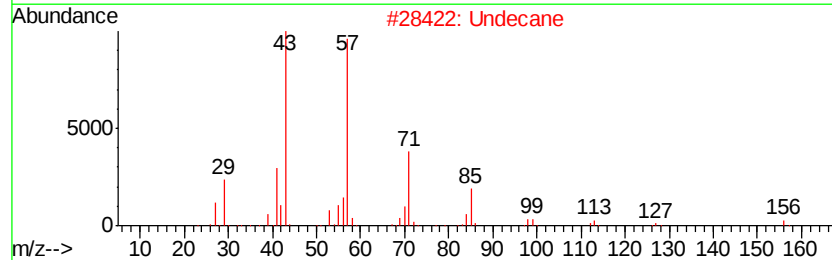
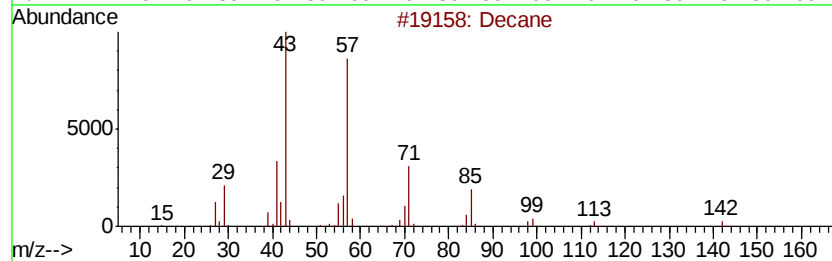
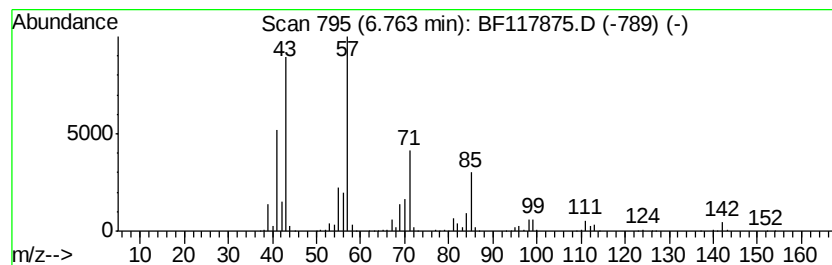
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Decane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.76	74.42 ng	6298700	1,4-Dichlorobenzene-d4	6.92

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane		142	C10H22	000124-18-5	91
2	Undecane		156	C11H24	001120-21-4	83
3	Nonane		128	C9H20	000111-84-2	72
4	Decane, 2,9-dimethyl-		170	C12H26	001002-17-1	72
5	Octane, 3,5-dimethyl-		142	C10H22	015869-93-9	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
Data File : BF117875.D
Acq On : 19 Nov 2019 22:25
Operator : JU
Sample : K5665-01 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-05-111419

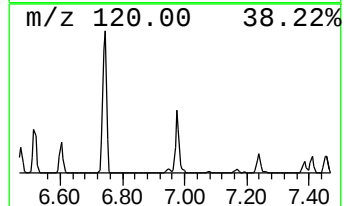
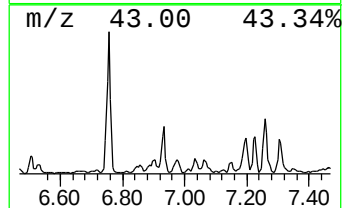
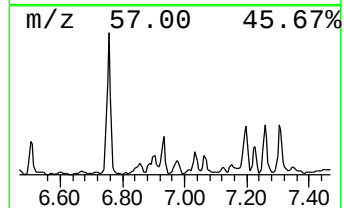
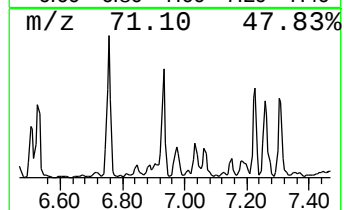
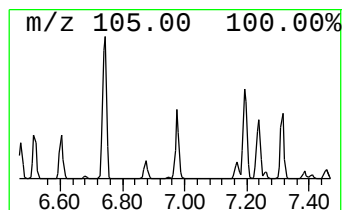
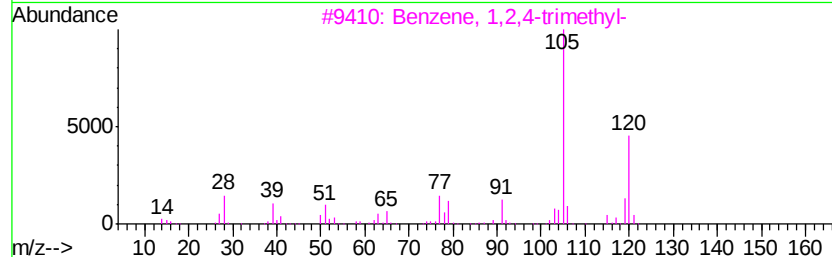
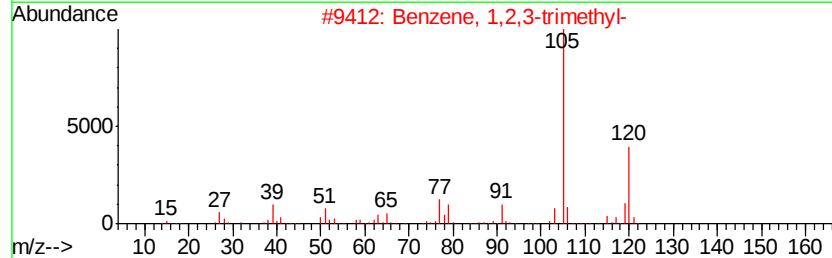
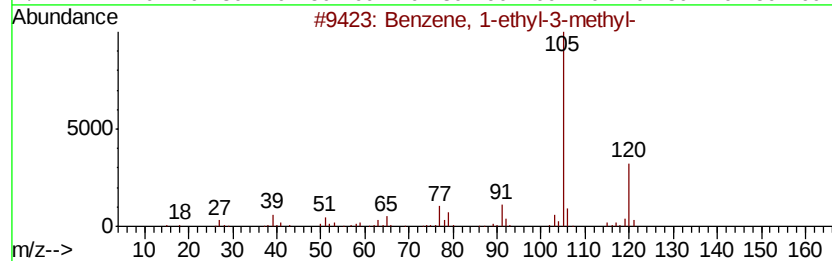
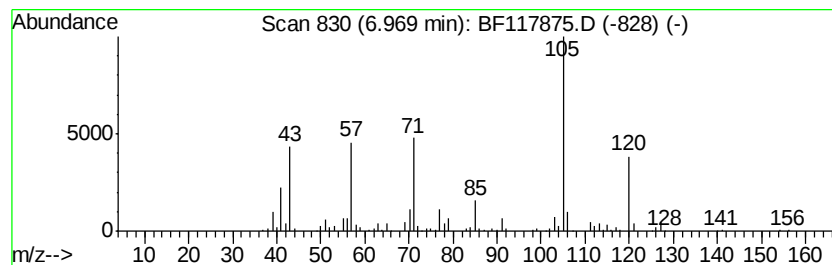
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Benzene, 1-ethyl-3-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.97	16.30 ng	1379730	1,4-Dichlorobenzene-d4	6.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	89
2		Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	86
3		Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	86
4		Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	76
5		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	76



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
Data File : BF117875.D
Acq On : 19 Nov 2019 22:25
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Misc :
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Instrument :
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ClientSampleId :
HR-05-111419

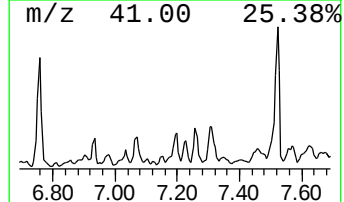
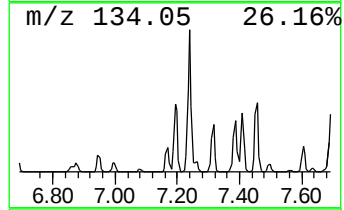
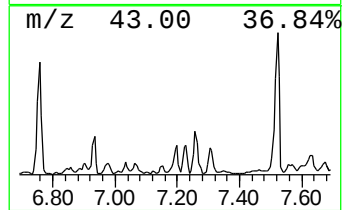
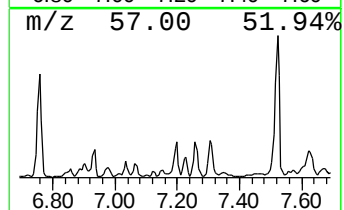
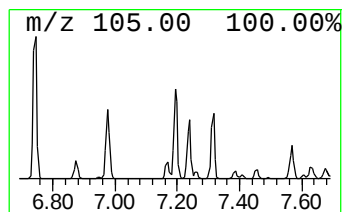
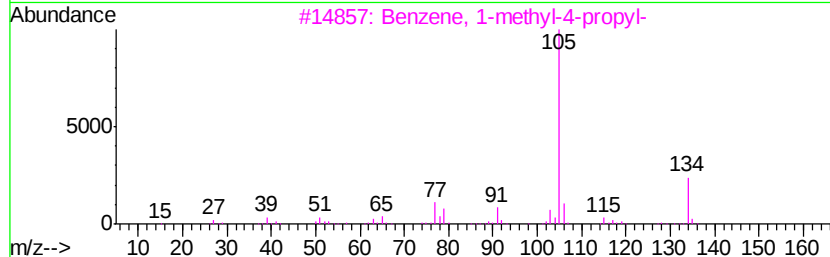
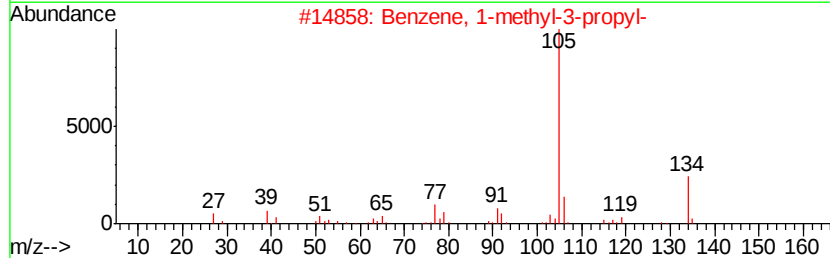
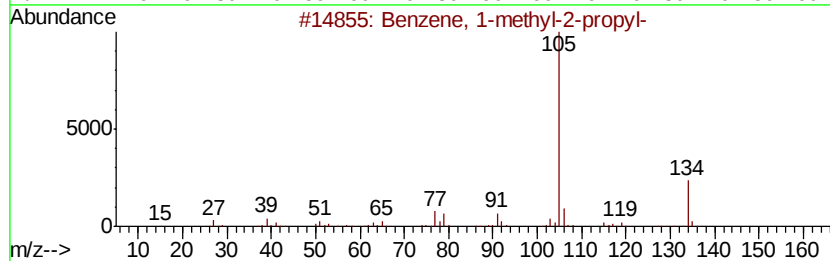
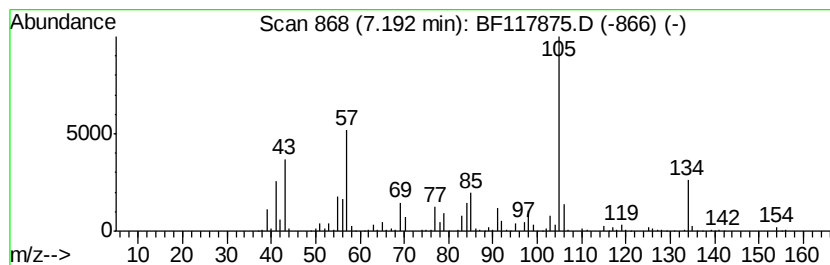
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Benzene, 1-methyl-2-propyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.19	30.66 ng	2595240	1,4-Dichlorobenzene-d4	6.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	87
2		Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	86
3		Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	50
4		Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	45
5		Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	45



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
Data File : BF117875.D
Acq On : 19 Nov 2019 22:25
Operator : JU
Sample : K5665-01 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

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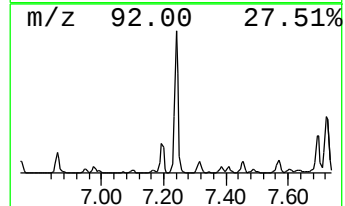
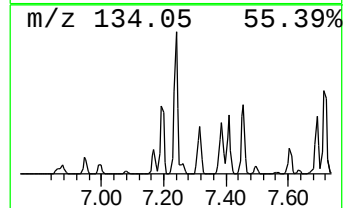
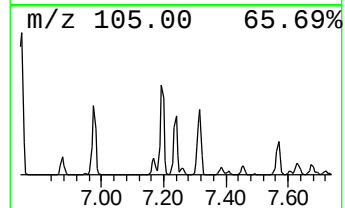
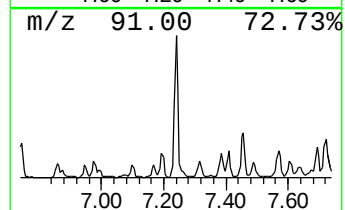
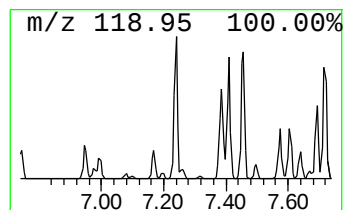
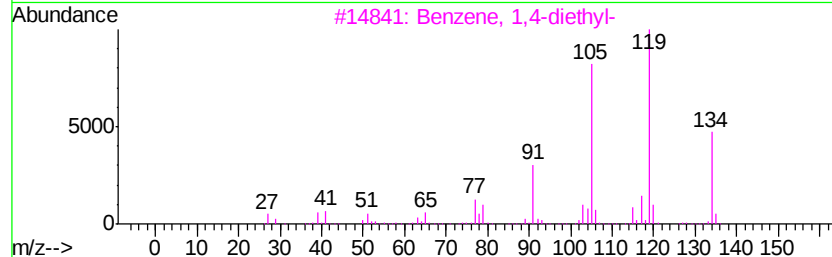
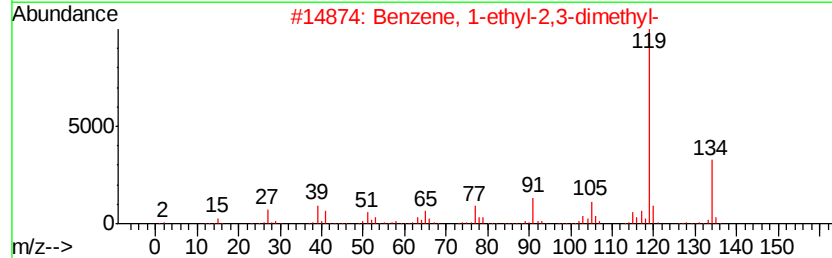
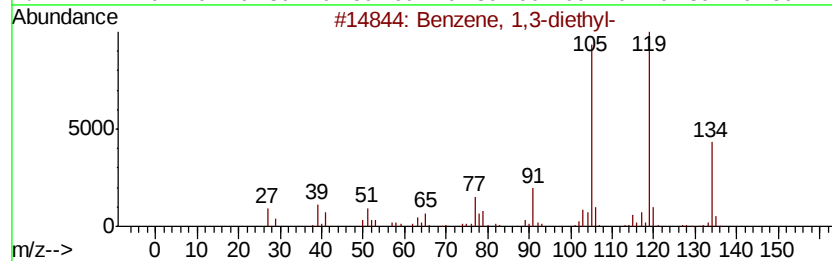
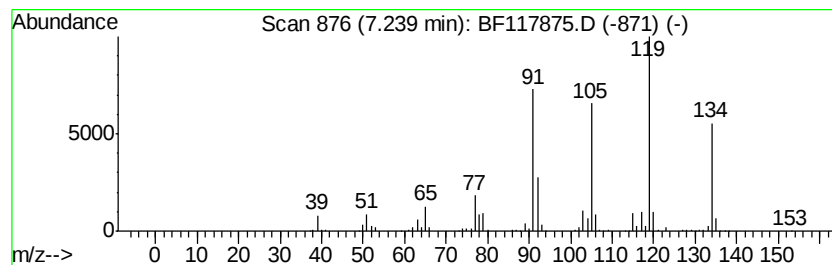
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Benzene, 1,3-diethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.24	35.26 ng	2984730	1,4-Dichlorobenzene-d4	6.92

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
2		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
3		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
4		Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	93
5		p-Cymene	134	C10H14	000099-87-6	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
Data File : BF117875.D
Acq On : 19 Nov 2019 22:25
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Misc :
ALS Vial : 25 Sample Multiplier: 1

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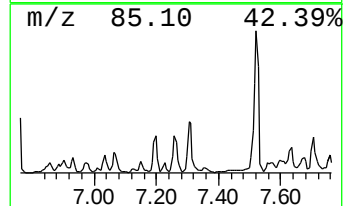
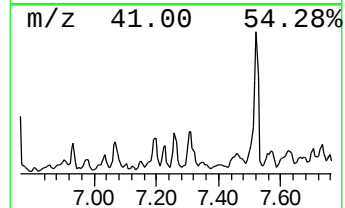
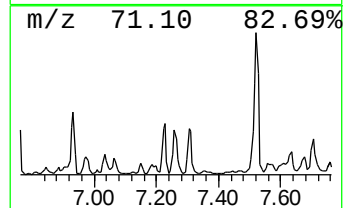
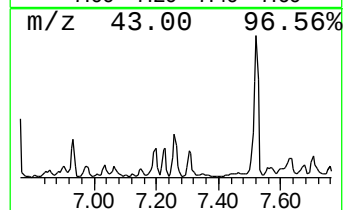
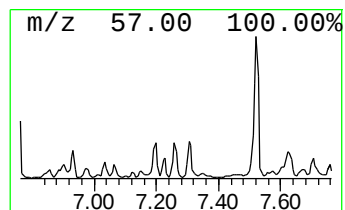
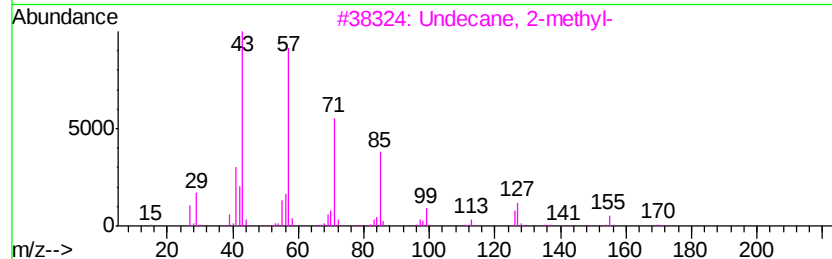
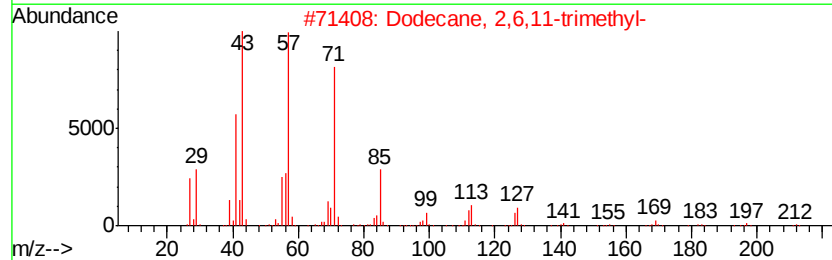
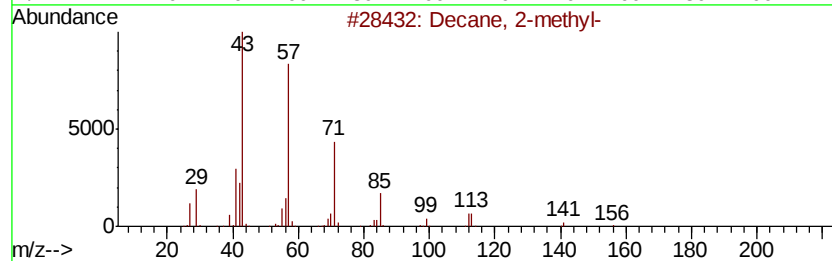
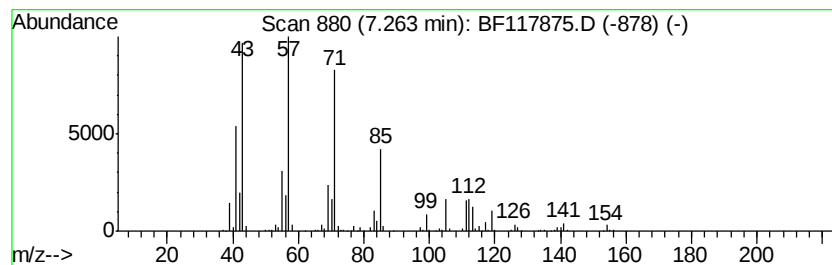
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Decane, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.26	16.64 ng	1408510	1,4-Dichlorobenzene-d4	6.92

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2-methyl-		156	C11H24	006975-98-0	90
2	Dodecane, 2,6,11-trimethyl-		212	C15H32	031295-56-4	86
3	Undecane, 2-methyl-		170	C12H26	007045-71-8	64
4	Tridecane, 7-methyl-		198	C14H30	026730-14-3	59
5	Dodecane, 2,7,10-trimethyl-		212	C15H32	074645-98-0	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
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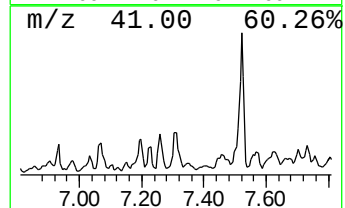
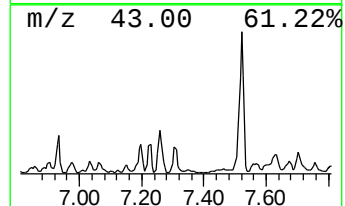
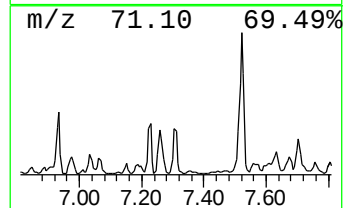
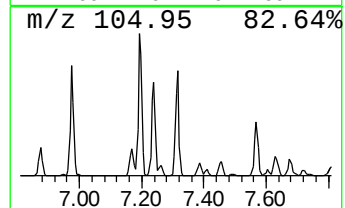
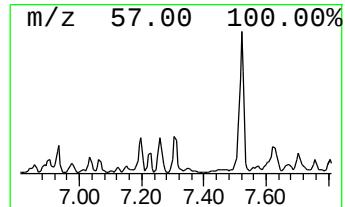
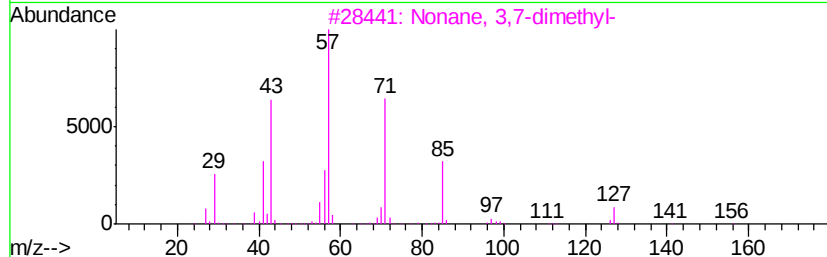
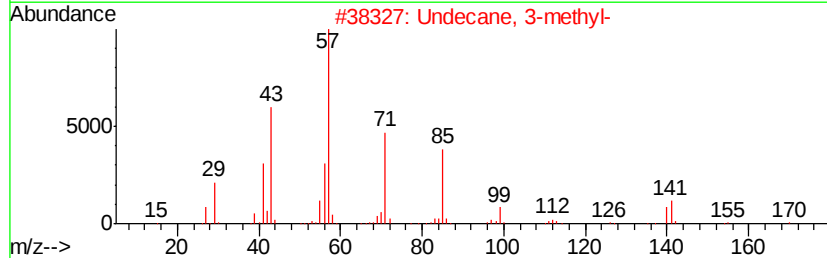
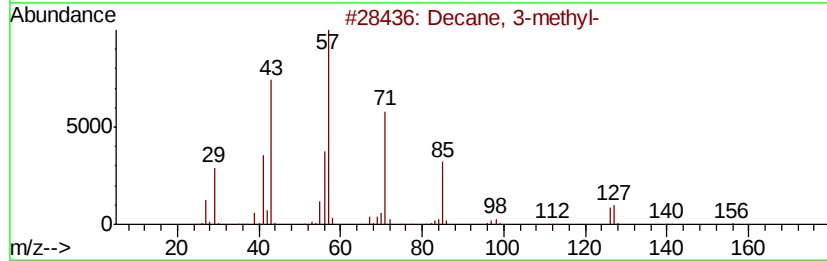
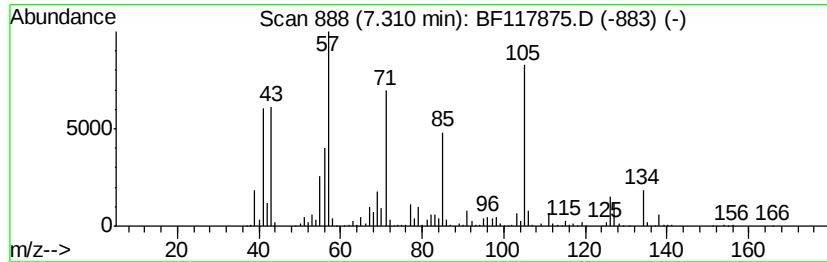
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Decane, 3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.31	41.19 ng	3486620	1,4-Dichlorobenzene-d4	6.92
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Decane, 3-methyl-	156 C11H24	013151-34-3	81
2	Undecane, 3-methyl-	170 C12H26	001002-43-3	53
3	Nonane, 3,7-dimethyl-	156 C11H24	017302-32-8	53
4	Decane, 2,4,6-trimethyl-	184 C13H28	062108-27-4	47
5	Decane, 3,8-dimethyl-	170 C12H26	017312-55-9	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
Data File : BF117875.D
Acq On : 19 Nov 2019 22:25
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ALS Vial : 25 Sample Multiplier: 1

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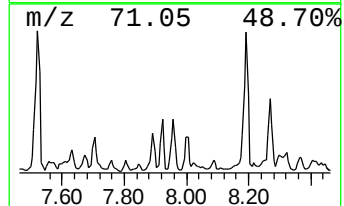
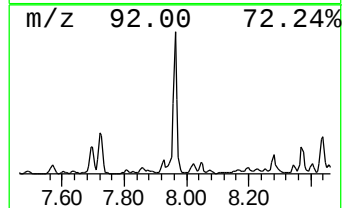
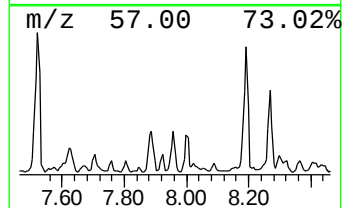
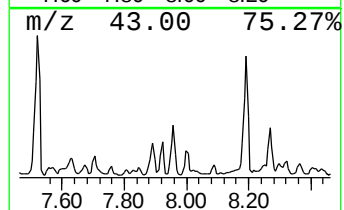
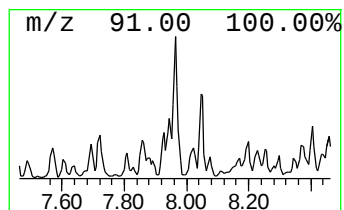
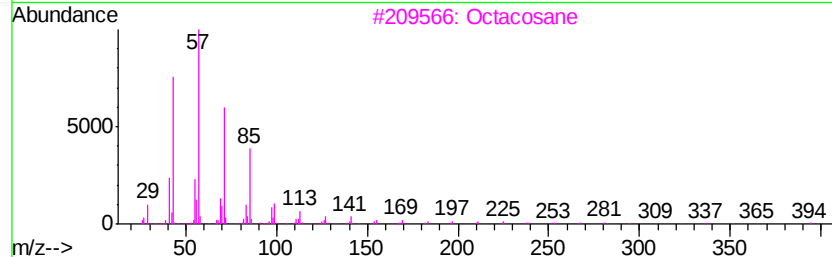
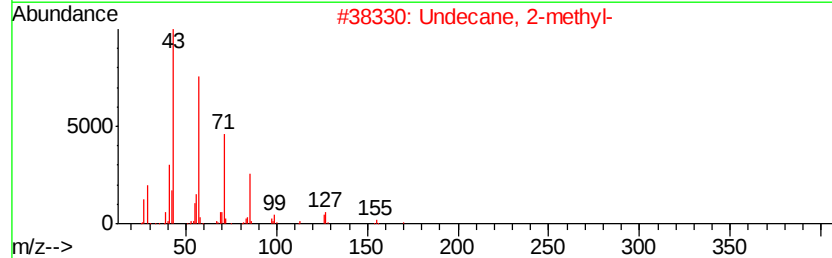
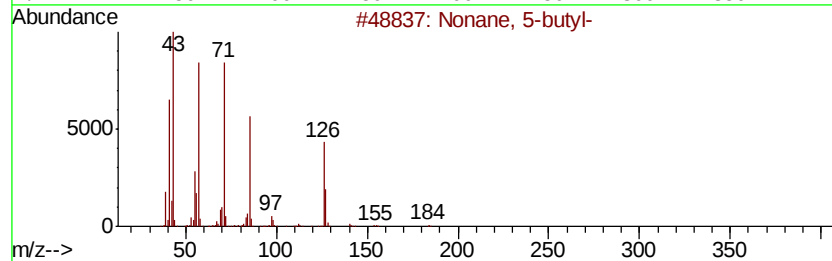
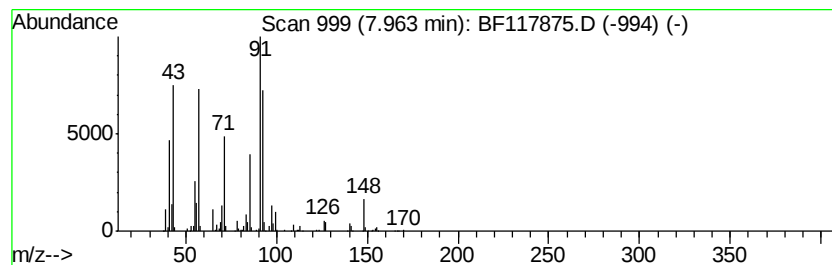
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Nonane, 5-butyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.96	15.81 ng	5046740	Naphthalene-d8	8.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 5-butyl-	184	C13H28	017312-63-9	72
2		Undecane, 2-methyl-	170	C12H26	007045-71-8	64
3		Octacosane	394	C28H58	000630-02-4	59
4		Tetracosane	338	C24H50	000646-31-1	59
5		Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
Data File : BF117875.D
Acq On : 19 Nov 2019 22:25
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Misc :
ALS Vial : 25 Sample Multiplier: 1

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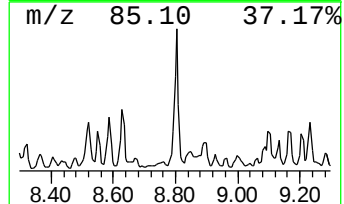
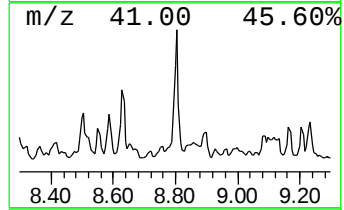
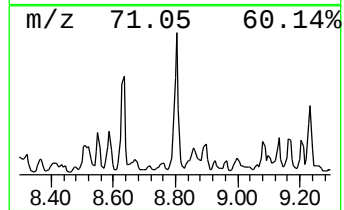
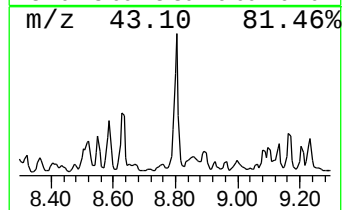
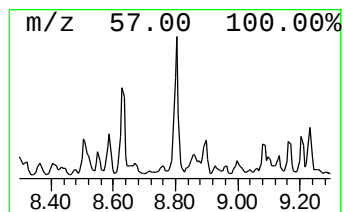
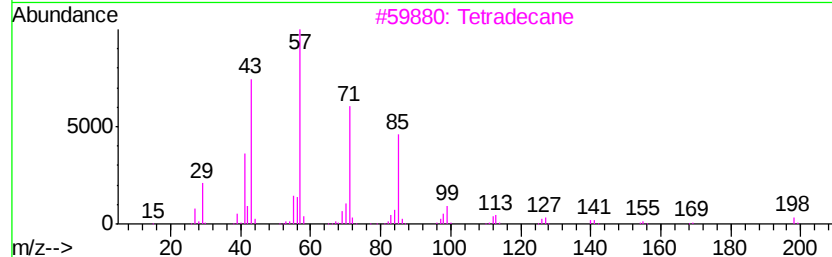
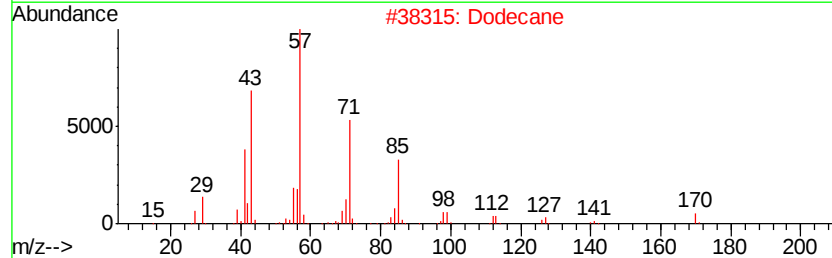
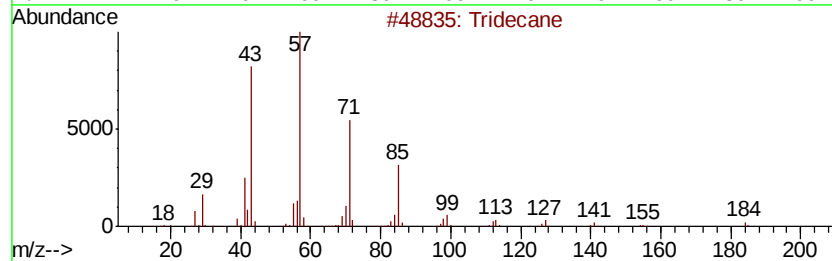
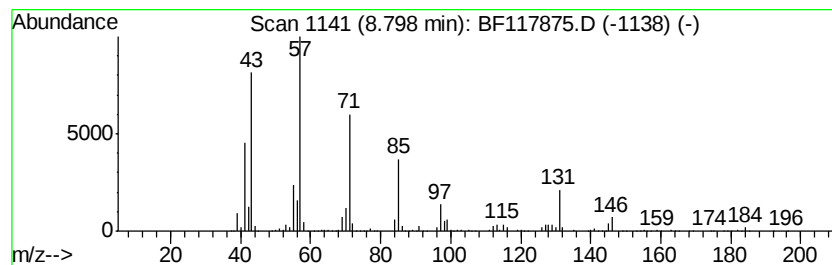
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Tridecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.80	18.12 ng	5784640	Napthalene-d8	8.21

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	96
2		Dodecane	170	C12H26	000112-40-3	86
3		Tetradecane	198	C14H30	000629-59-4	86
4		Hexadecane	226	C16H34	000544-76-3	83
5		Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
Data File : BF117875.D
Acq On : 19 Nov 2019 22:25
Operator : JU
Sample : K5665-01 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-05-111419

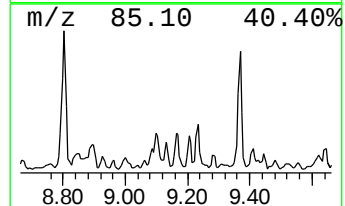
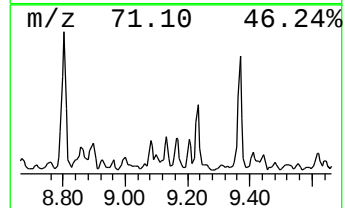
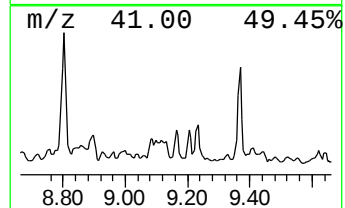
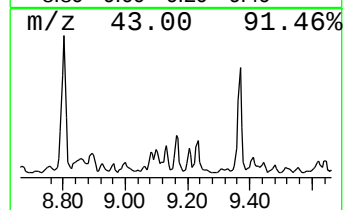
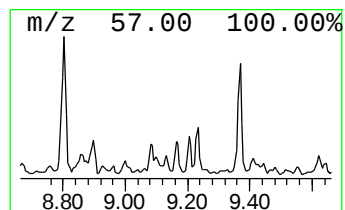
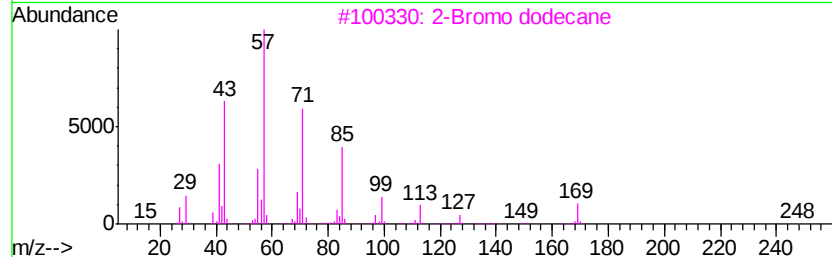
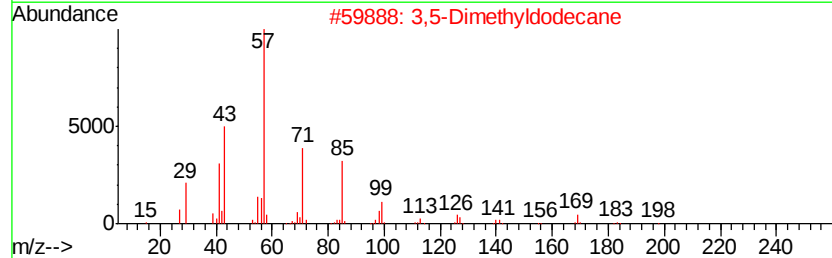
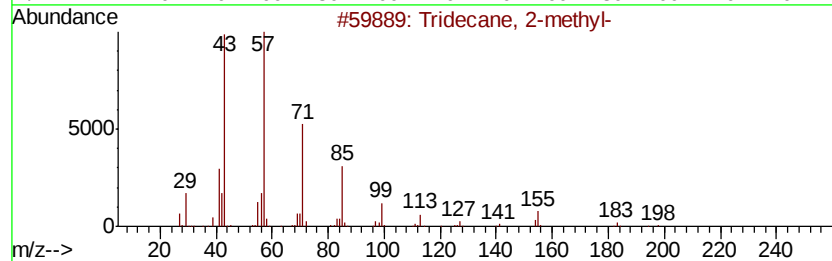
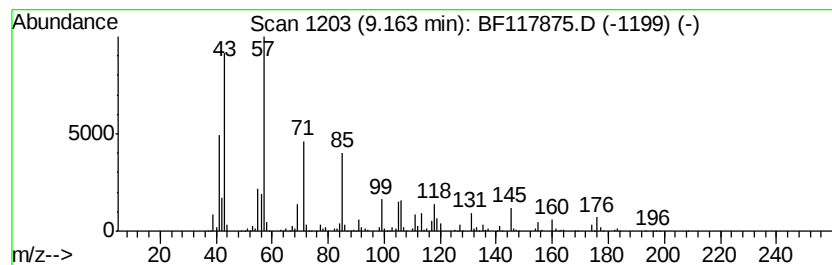
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Tridecane, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.16	29.49 ng	2375860	Acenaphthene-d10	9.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 2-methyl-	198	C14H30	001560-96-9	89
2		3,5-Dimethyldodecane	198	C14H30	107770-99-0	76
3		2-Bromo dodecane	248	C12H25Br	013187-99-0	50
4		1-Iodoundecane	282	C11H23I	004282-44-4	50
5		Sulfurous acid, butyl dodecyl ester	306	C16H34O3S	1000309-17-9	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
Data File : BF117875.D
Acq On : 19 Nov 2019 22:25
Operator : JU
Sample : K5665-01 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-05-111419

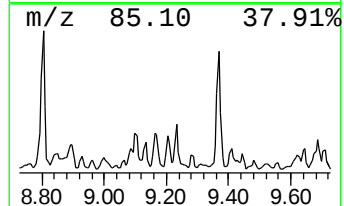
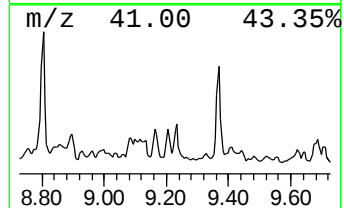
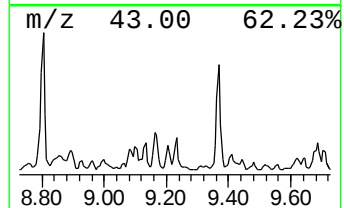
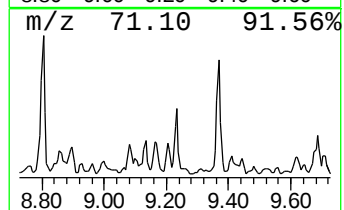
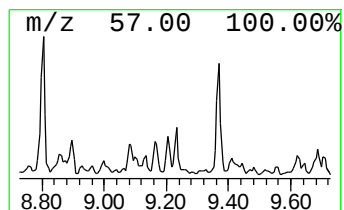
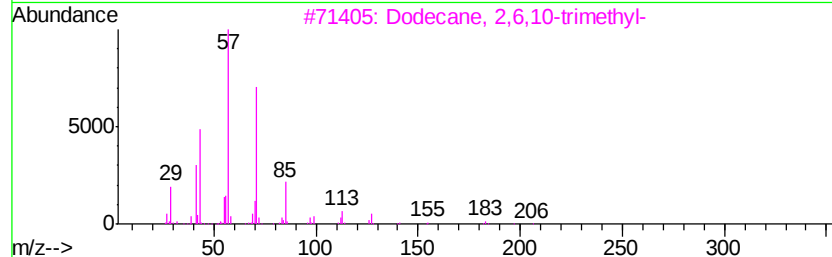
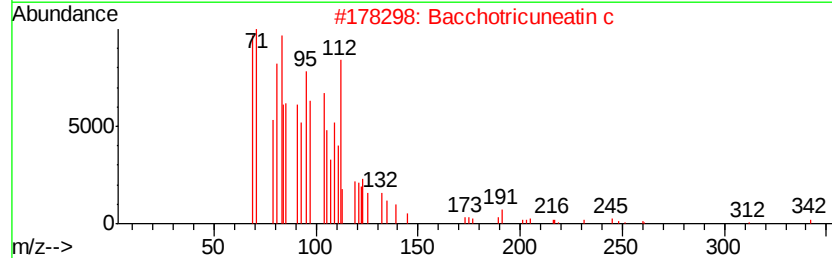
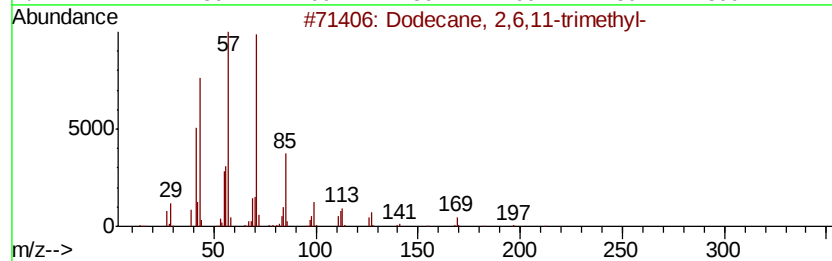
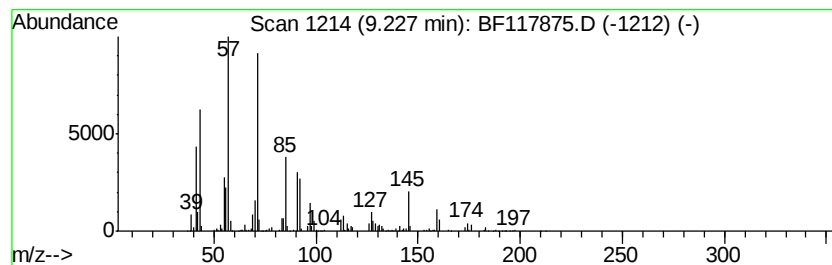
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Dodecane, 2,6,11-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.23	26.58 ng	2141460	Acenaphthene-d10	9.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	80
2		Bacchotricuneatin c	342	C20H22O5	066563-30-2	68
3		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	64
4		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	60
5		Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
Data File : BF117875.D
Acq On : 19 Nov 2019 22:25
Operator : JU
Sample : K5665-01 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

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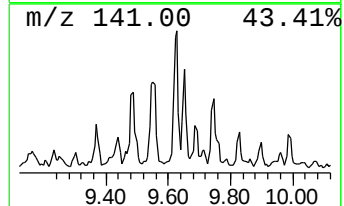
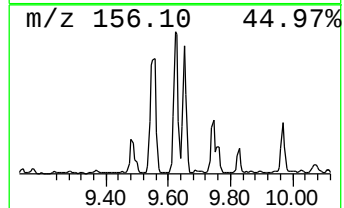
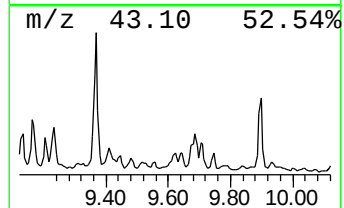
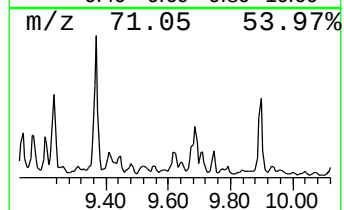
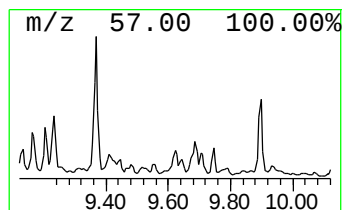
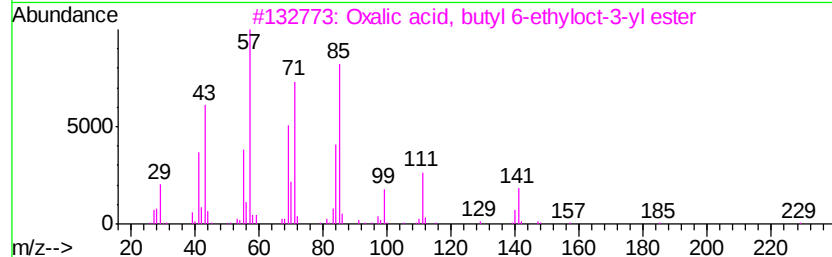
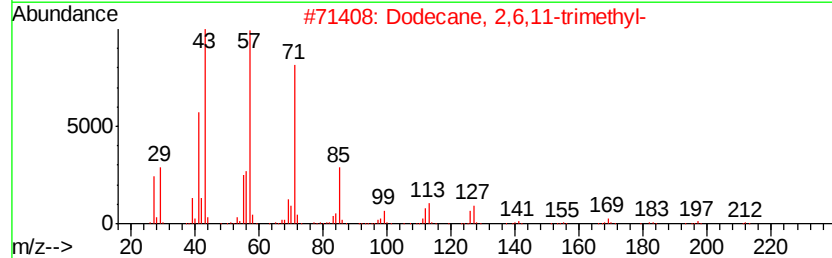
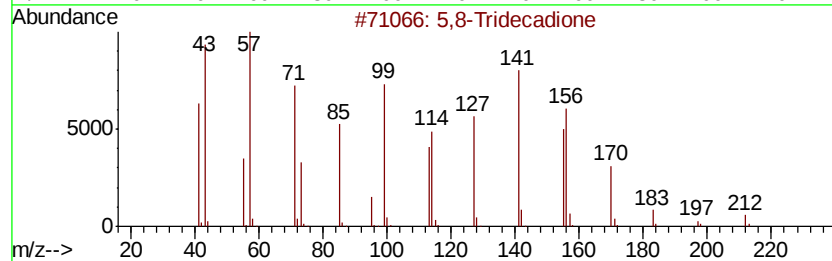
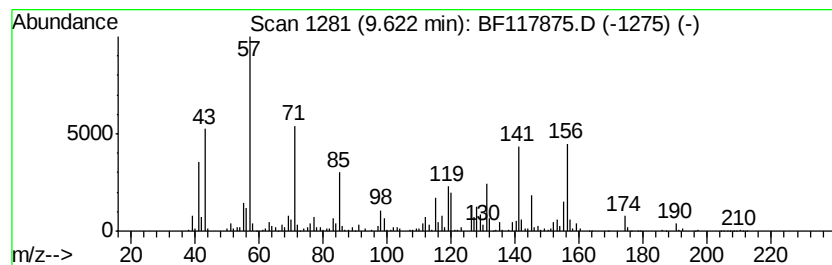
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown9.62 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.62	22.00 ng	1772930	Acenaphthene-d10	9.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,8-Tridecadione	212	C13H24O2	067238-16-8	27
2		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	25
3		Oxalic acid, butyl 6-ethyloct-3-...	286	C16H30O4	1000309-34-2	22
4		Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	22
5		Dodecane, 3-methyl-	184	C13H28	017312-57-1	14



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
Data File : BF117875.D
Acq On : 19 Nov 2019 22:25
Operator : JU
Sample : K5665-01 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

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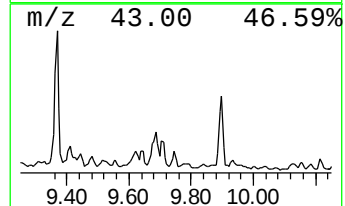
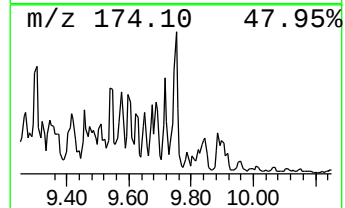
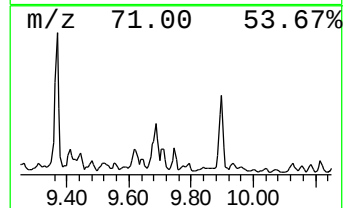
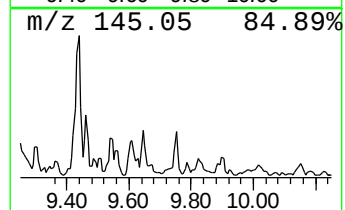
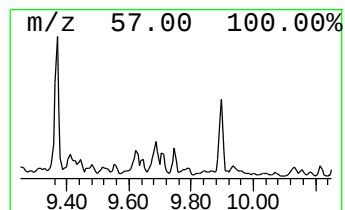
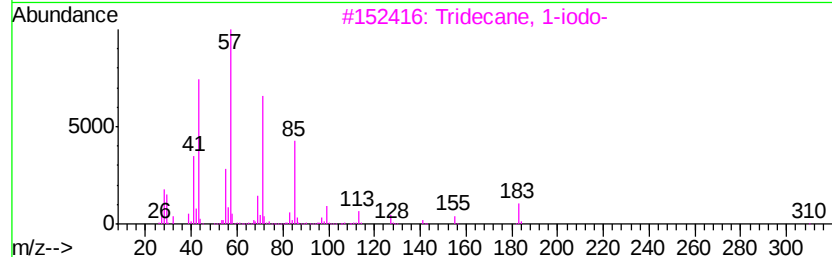
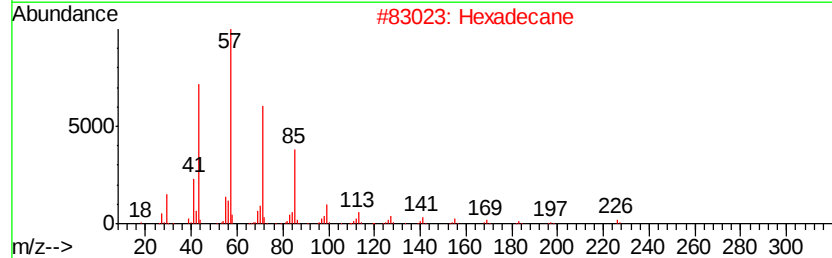
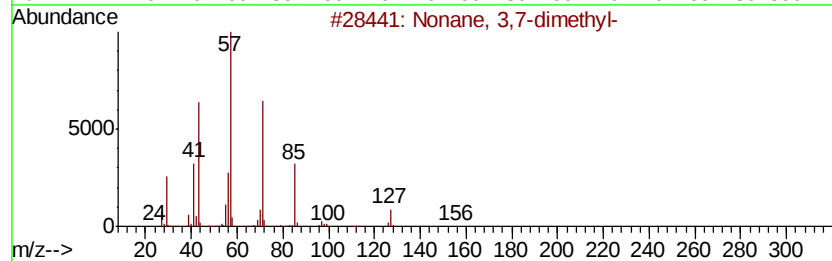
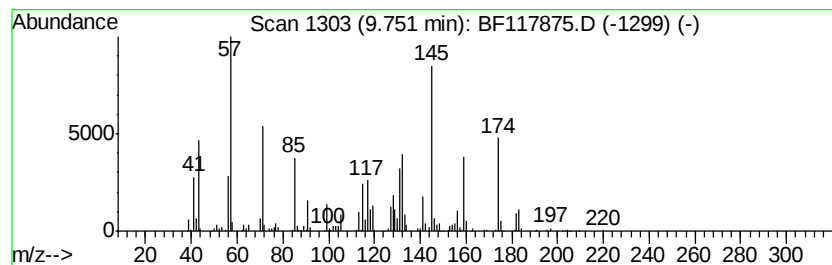
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown9.75 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.75	14.05 ng	1132280	Acenaphthene-d10	9.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	38
2		Hexadecane	226	C16H34	000544-76-3	38
3		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	38
4		2-Bromotetradecane	276	C14H29Br	074036-95-6	38
5		Undecane	156	C11H24	001120-21-4	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
Data File : BF117875.D
Acq On : 19 Nov 2019 22:25
Operator : JU
Sample : K5665-01 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :
HR-05-111419

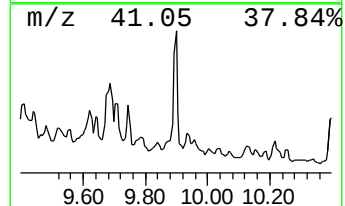
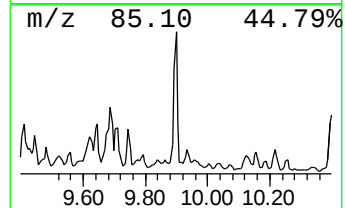
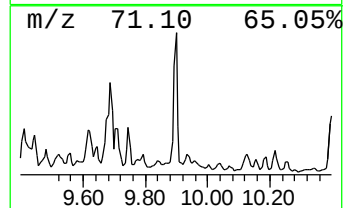
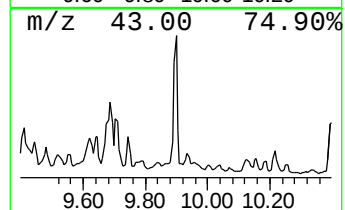
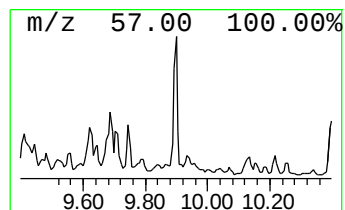
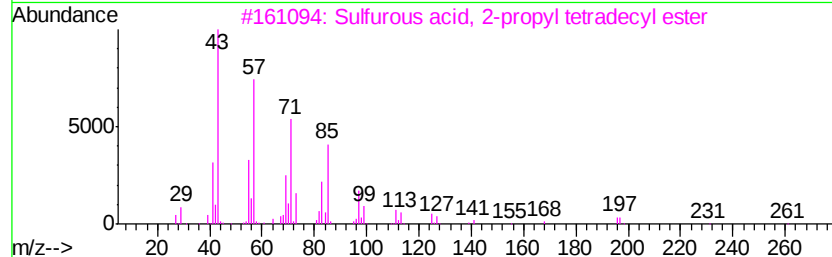
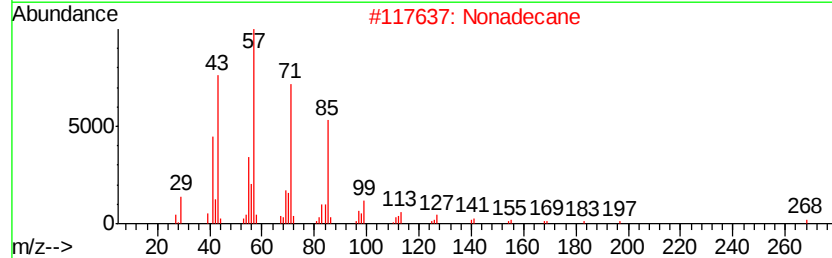
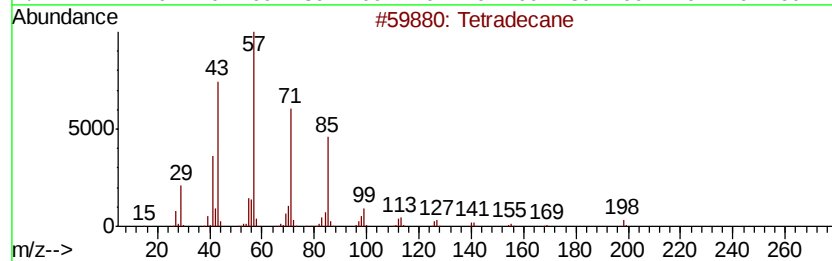
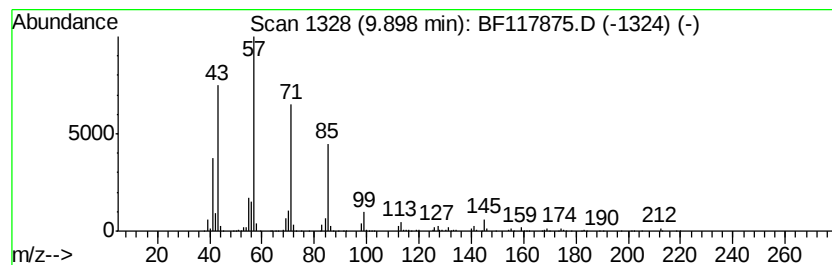
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Tetradecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	27.21 ng	2192190	Acenaphthene-d10	9.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	90
2		Nonadecane	268	C19H40	000629-92-5	90
3		Sulfurous acid, 2-propyl tetradecyl ester	320	C17H36O3S	1000309-12-5	80
4		Hexadecane	226	C16H34	000544-76-3	72
5		Tridecane	184	C13H28	000629-50-5	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
Data File : BF117875.D
Acq On : 19 Nov 2019 22:25
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Misc :
ALS Vial : 25 Sample Multiplier: 1

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ClientSampleId :
HR-05-111419

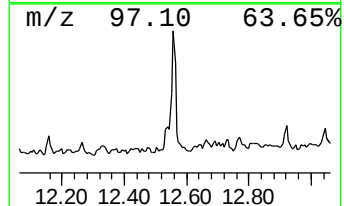
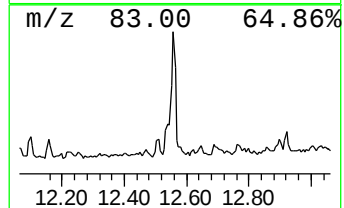
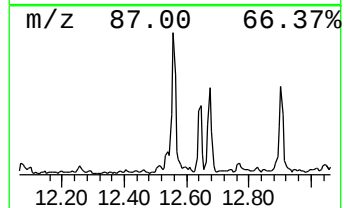
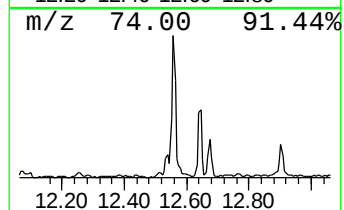
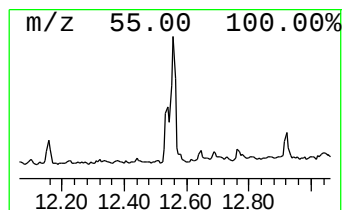
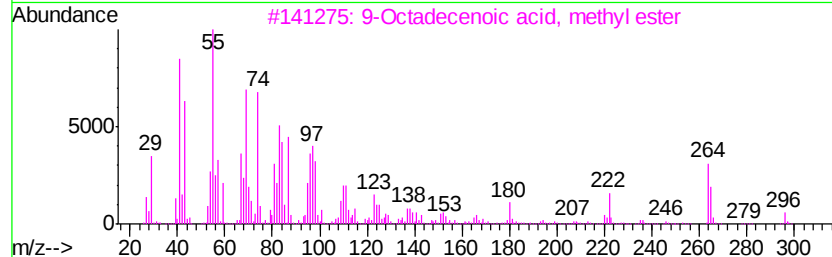
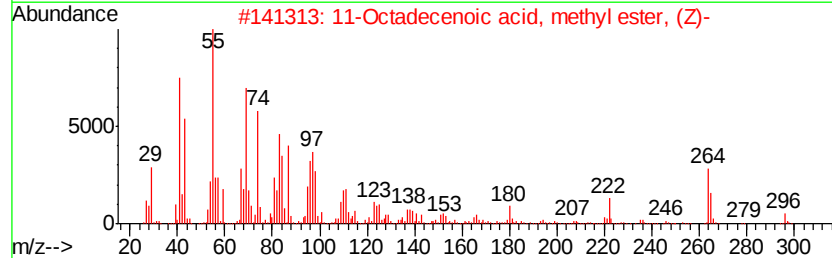
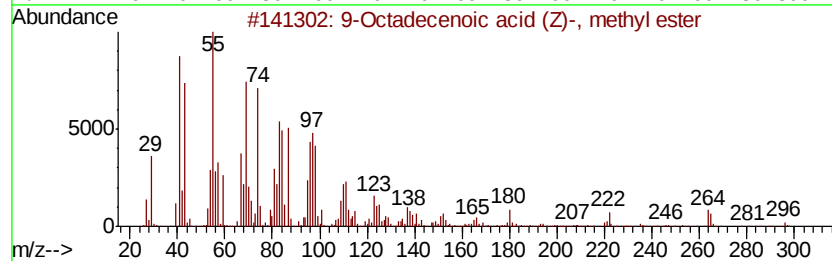
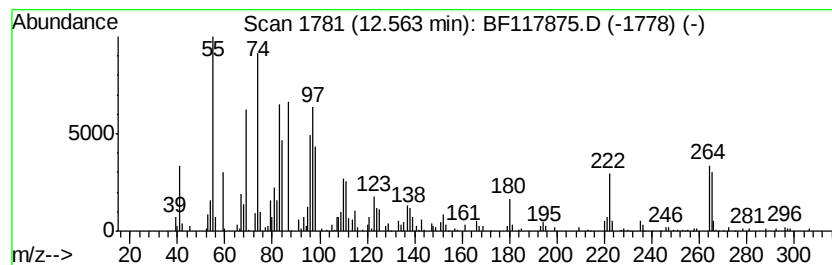
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 9-Octadecenoic acid (Z)-, m... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	17.47 ng	1102540	Phenanthrene-d10	11.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	98
2		11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	97
3		9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	97
4		9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	96
5		5-Octadecenoic acid, methyl ester	296	C19H36O2	056554-45-1	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111919\
 Data File : BF117875.D
 Acq On : 19 Nov 2019 22:25
 Operator : JU
 Sample : K5665-01 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 HR-05-111419

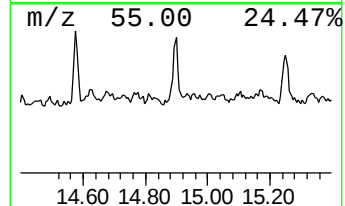
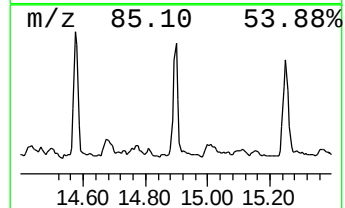
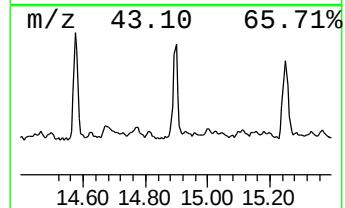
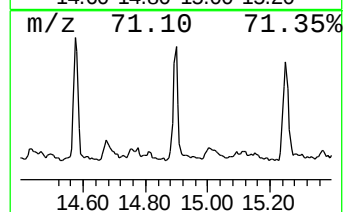
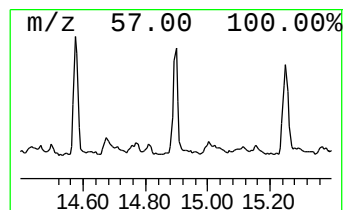
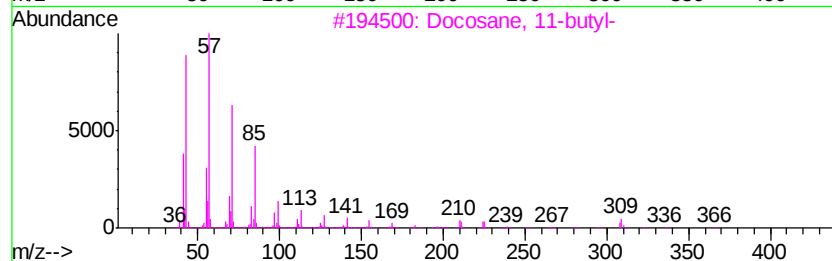
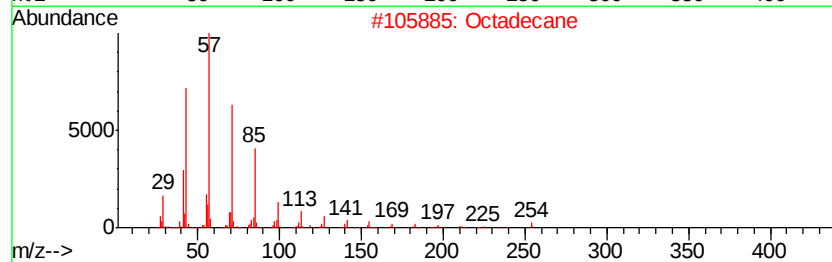
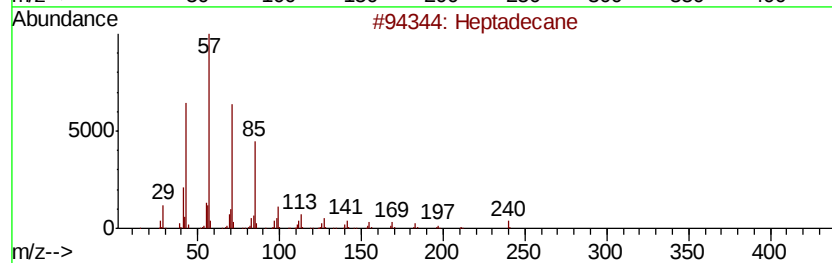
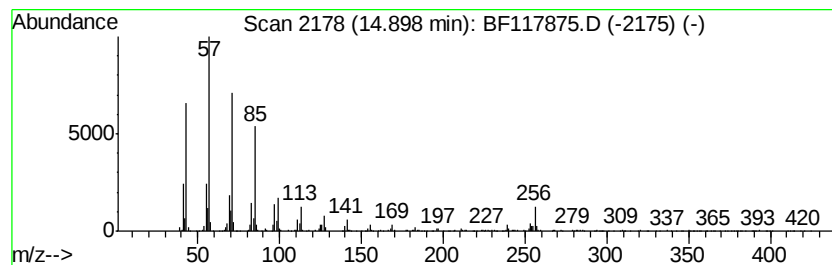
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 20 Heptadecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.90	16.34 ng	585181	Perylene-d12	15.62

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane		240	C17H36	000629-78-7	94
2	Octadecane		254	C18H38	000593-45-3	93
3	Docosane, 11-butyl-		366	C26H54	013475-76-8	91
4	Hexacosane		366	C26H54	000630-01-3	87
5	Heneicosane		296	C21H44	000629-94-7	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111919\
 Data File : BF117875.D
 Acq On : 19 Nov 2019 22:25
 Operator : JU
 Sample : K5665-01 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-111419

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown6.17	6.17	15.2	ng	1281880	1	6.92	1692790	20.0
unknown6.68	6.68	35.8	ng	3029440	1	6.92	1692790	20.0
Decane	6.76	74.4	ng	6298700	1	6.92	1692790	20.0
Benzene, 1-ethyl-...	6.97	16.3	ng	1379730	1	6.92	1692790	20.0
Benzene, 1-methyl...	7.19	30.7	ng	2595240	1	6.92	1692790	20.0
Benzene, 1,3-diet...	7.24	35.3	ng	2984730	1	6.92	1692790	20.0
Decane, 2-methyl-	7.26	16.6	ng	1408510	1	6.92	1692790	20.0
Decane, 3-methyl-	7.31	41.2	ng	3486620	1	6.92	1692790	20.0
Nonane, 5-butyl-	7.96	15.8	ng	5046740	2	8.21	6384330	20.0
Tridecane	8.80	18.1	ng	5784640	2	8.21	6384330	20.0
Tridecane, 2-methyl-	9.16	29.5	ng	2375860	3	9.97	1611400	20.0
Dodecane, 2,6,11-...	9.23	26.6	ng	2141460	3	9.97	1611400	20.0
unknown9.62	9.62	22.0	ng	1772930	3	9.97	1611400	20.0
unknown9.75	9.75	14.1	ng	1132280	3	9.97	1611400	20.0
Tetradecane	9.90	27.2	ng	2192190	3	9.97	1611400	20.0
9-Octadecenoic ac...	12.56	17.5	ng	1102540	4	11.46	1262410	20.0
Heptadecane	14.90	16.3	ng	585181	6	15.62	716063	20.0