

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
 Data File : BF113857.D
 Acq On : 19 Apr 2019 14:41
 Operator : JU/SJ
 Sample : K2193-07 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-041719-A

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-BF041819.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	5.516	578	583	586	rBV	1664252	1572790	71.49%	3.574%
2	6.163	690	693	699	rVV3	135721	176629	8.03%	0.401%
3	6.351	720	725	728	rBV	112502	135922	6.18%	0.309%
4	6.439	737	740	742	rBV3	204753	200483	9.11%	0.456%
5	6.516	747	753	756	rBV	1855163	1668911	75.86%	3.792%
6	6.663	771	778	781	rBV	1974254	1837683	83.53%	4.176%
7	6.739	787	791	794	rBV	503067	497970	22.64%	1.132%
8	6.845	803	809	812	rBV6	51992	119177	5.42%	0.271%
9	6.898	815	818	820	rVV	1254892	1043089	47.41%	2.370%
10	6.922	820	822	826	rVB2	229626	197014	8.96%	0.448%
11	6.963	826	829	833	rVB4	163881	195114	8.87%	0.443%
12	7.051	841	844	848	rBV	1637138	1434388	65.20%	3.259%
13	7.134	856	858	860	rBV2	93337	97191	4.42%	0.221%
14	7.181	863	866	869	rVB	332835	309818	14.08%	0.704%
15	7.216	869	872	874	rVB2	249992	269445	12.25%	0.612%
16	7.245	874	877	880	rBV2	186465	179766	8.17%	0.408%
17	7.292	880	885	889	rBV2	391279	446688	20.30%	1.015%
18	7.334	889	892	896	rVB4	76659	96856	4.40%	0.220%
19	7.451	905	912	915	rBV2	1133726	1354144	61.55%	3.077%
20	7.498	915	920	924	rVB	1003678	955668	43.44%	2.172%
21	7.551	924	929	932	rVB4	296238	449675	20.44%	1.022%
22	7.586	932	935	936	rBV2	147149	173115	7.87%	0.393%
23	7.686	950	952	954	rBV2	142700	163598	7.44%	0.372%
24	7.710	954	956	959	rVB2	336764	260416	11.84%	0.592%
25	7.786	965	969	970	rBV3	165866	163973	7.45%	0.373%
26	7.804	970	972	974	rVV2	230101	161992	7.36%	0.368%
27	7.828	974	976	979	rVB3	277201	241552	10.98%	0.549%
28	7.869	979	983	986	rVB3	239993	256225	11.65%	0.582%
29	7.898	986	988	990	rBV	322740	300760	13.67%	0.683%
30	7.922	990	992	993	rVV2	198840	182955	8.32%	0.416%
31	7.934	993	994	999	rVB3	313472	345876	15.72%	0.786%
32	7.981	999	1002	1004	rBV4	248853	242714	11.03%	0.552%
33	7.998	1004	1005	1007	rVV2	109462	91442	4.16%	0.208%
34	8.022	1007	1009	1012	rVB	222989	184139	8.37%	0.418%

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35	8.051	1012	1014	1018	rBV3	151900	175692	7.99%	0.399%
36	8.086	1018	1020	1023	rBV2	100481	89277	4.06%	0.203%
37	8.139	1024	1029	1031	rBV4	177094	286820	13.04%	0.652%
38	8.169	1031	1034	1038	rVV2	1569413	2199940	100.00%	4.999%
39	8.245	1042	1047	1050	rVB2	525722	617372	28.06%	1.403%
40	8.275	1050	1052	1055	rBV3	204514	203118	9.23%	0.462%
41	8.339	1060	1063	1065	rBV3	124865	145946	6.63%	0.332%
42	8.381	1068	1070	1074	rVB3	178436	230287	10.47%	0.523%
43	8.475	1081	1086	1089	rBV4	468813	557031	25.32%	1.266%
44	8.528	1093	1095	1098	rVB3	348121	328081	14.91%	0.745%
45	8.563	1098	1101	1104	rBV2	422162	440394	20.02%	1.001%
46	8.604	1105	1108	1110	rVV	443266	364854	16.58%	0.829%
47	8.628	1110	1112	1114	rVV2	138160	92599	4.21%	0.210%
48	8.645	1114	1115	1118	rVB	221923	164777	7.49%	0.374%
49	8.686	1118	1122	1125	rBV2	434230	422894	19.22%	0.961%
50	8.728	1127	1129	1131	rBV3	117169	91325	4.15%	0.208%
51	8.775	1134	1137	1141	rBV	1194669	1047287	47.61%	2.380%
52	8.810	1141	1143	1145	rVV2	77157	86958	3.95%	0.198%
53	8.839	1146	1148	1150	rVV3	199103	161618	7.35%	0.367%
54	8.875	1150	1154	1161	rVB5	289512	486084	22.10%	1.105%
55	8.933	1161	1164	1166	rBV3	126329	110507	5.02%	0.251%
56	9.004	1166	1176	1180	rBV8	286701	603636	27.44%	1.372%
57	9.057	1183	1185	1189	rBV4	154822	223148	10.14%	0.507%
58	9.139	1195	1199	1203	rVB4	251694	335976	15.27%	0.763%
59	9.181	1203	1206	1207	rBV	254190	179430	8.16%	0.408%
60	9.204	1207	1210	1214	rVV3	355787	418143	19.01%	0.950%
61	9.251	1214	1218	1221	rVB	1917935	1463015	66.50%	3.324%
62	9.339	1229	1233	1237	rBV	959403	878337	39.93%	1.996%
63	9.404	1242	1244	1250	rVB4	222020	284014	12.91%	0.645%
64	9.457	1251	1253	1257	rVB4	94991	90819	4.13%	0.206%
65	9.498	1257	1260	1261	rBV2	96005	103820	4.72%	0.236%
66	9.592	1270	1276	1278	rBV5	233860	336526	15.30%	0.765%
67	9.616	1278	1280	1282	rVV2	225920	178012	8.09%	0.404%
68	9.663	1282	1288	1289	rVV3	298761	529504	24.07%	1.203%
69	9.680	1289	1291	1294	rVV	244706	222555	10.12%	0.506%
70	9.716	1295	1297	1300	rVB2	189041	160590	7.30%	0.365%
71	9.869	1320	1323	1326	rVB	524071	397898	18.09%	0.904%

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72	9.933	1331	1334	1337	rVB	1414237	1155826	52.54%	2.626%
73	10.104	1359	1363	1365	rVV2	77309	125217	5.69%	0.285%
74	10.133	1365	1368	1373	rVV5	125402	194907	8.86%	0.443%
75	10.192	1376	1378	1382	rVV3	95779	115047	5.23%	0.261%
76	10.257	1385	1389	1392	rBV3	51648	88053	4.00%	0.200%
77	10.369	1402	1408	1410	rBV	246918	247114	11.23%	0.562%
78	10.475	1423	1426	1428	rBV	131024	112150	5.10%	0.255%
79	10.586	1439	1445	1450	rVV3	77783	118292	5.38%	0.269%
80	10.716	1463	1467	1471	rBV	1148281	1011541	45.98%	2.298%
81	10.839	1485	1488	1493	rVB	171975	200211	9.10%	0.455%
82	11.286	1561	1564	1566	rVV	126138	106012	4.82%	0.241%
83	11.316	1566	1569	1574	rVB2	90845	108334	4.92%	0.246%
84	11.416	1582	1586	1588	rBV	1520115	1284908	58.41%	2.920%
85	11.439	1588	1590	1593	rVV	625335	484818	22.04%	1.102%
86	11.486	1596	1598	1601	rVV	155241	123999	5.64%	0.282%
87	11.939	1672	1675	1679	rVV2	343578	333233	15.15%	0.757%
88	12.027	1686	1690	1692	rVV2	140148	158065	7.18%	0.359%
89	12.504	1767	1771	1776	rVB4	98317	141566	6.43%	0.322%
90	12.627	1788	1792	1794	rBV	687013	626727	28.49%	1.424%
91	12.721	1805	1808	1814	rBV3	154519	216814	9.86%	0.493%
92	12.851	1825	1830	1833	rBV	584838	609227	27.69%	1.384%
93	12.998	1851	1855	1858	rBV	2054692	1858289	84.47%	4.222%
94	13.180	1884	1886	1889	rVB	122540	103975	4.73%	0.236%
95	13.245	1893	1897	1900	rVV2	97577	138395	6.29%	0.314%
96	13.574	1951	1953	1956	rBV2	94658	112777	5.13%	0.256%
97	14.051	2029	2034	2036	rBV2	1735084	1826773	83.04%	4.151%
98	14.074	2036	2038	2041	rVB	273859	210245	9.56%	0.478%
99	15.180	2223	2226	2236	rVB2	326536	445328	20.24%	1.012%
100	15.527	2281	2285	2289	rVB	907970	1036067	47.10%	2.354%

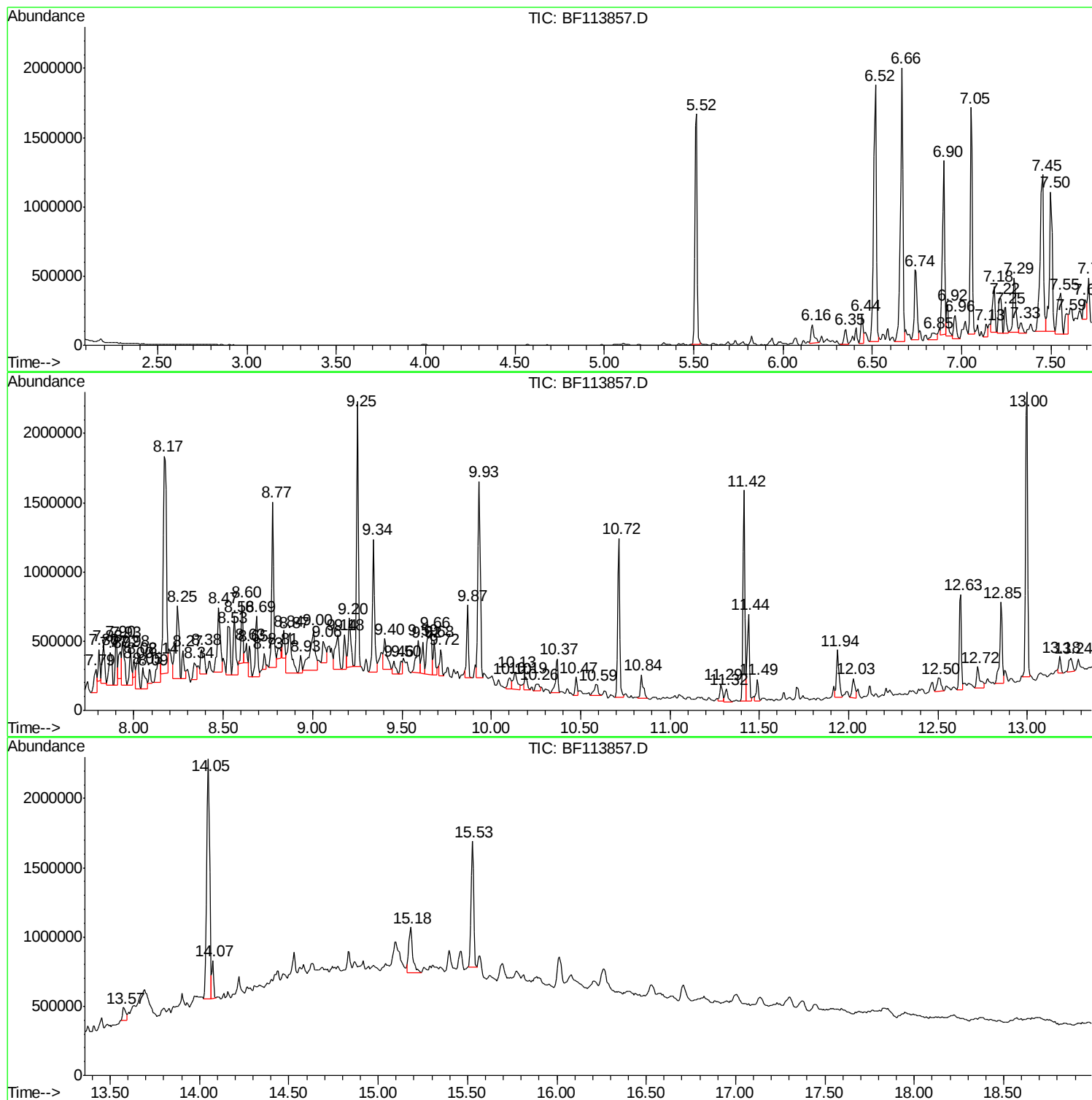
Sum of corrected areas: 44009372

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Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.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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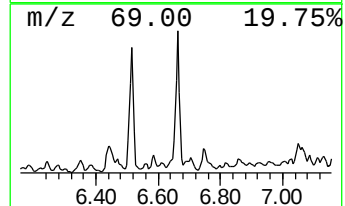
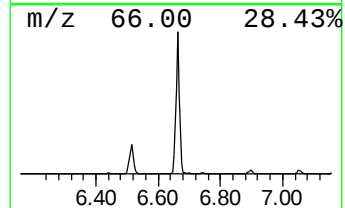
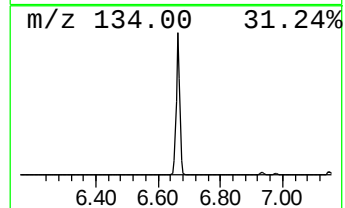
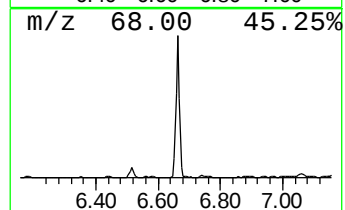
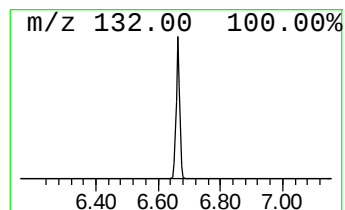
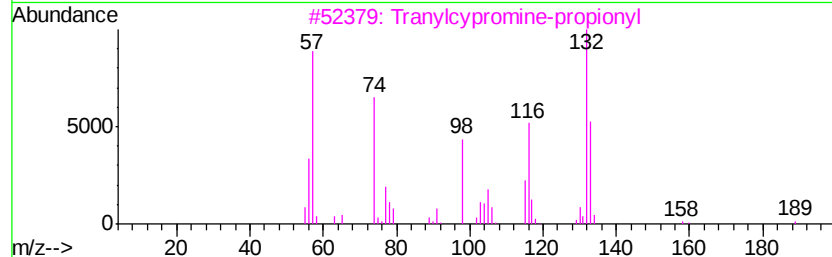
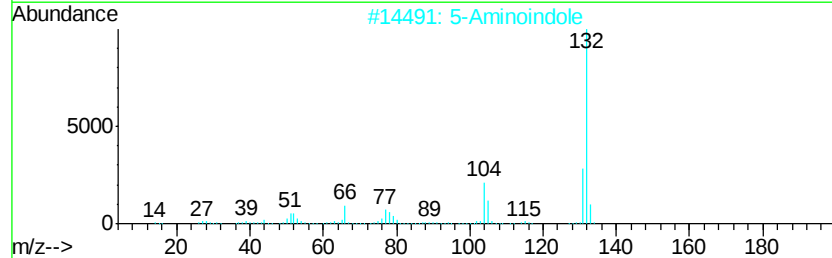
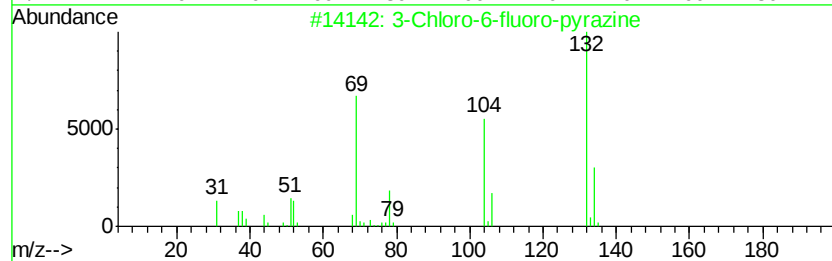
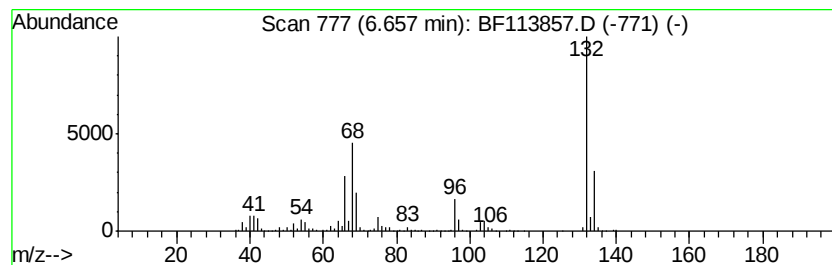
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.66 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	35.24 ng	1837680	1,4-Dichlorobenzene-d4	6.90

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2			5-Aminoindole	132	C8H8N2	005192-03-0	12
3			Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4			Xenon	132	Xe	007440-63-3	9
5			4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



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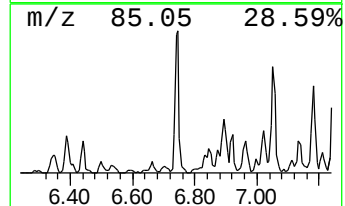
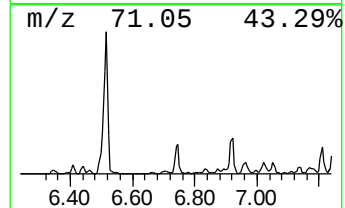
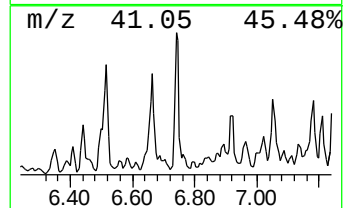
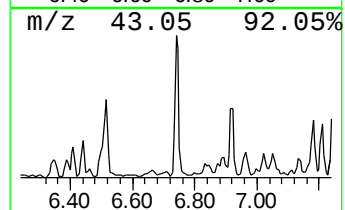
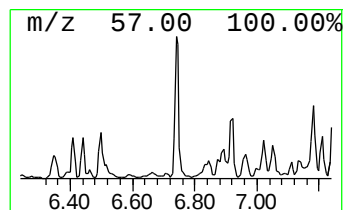
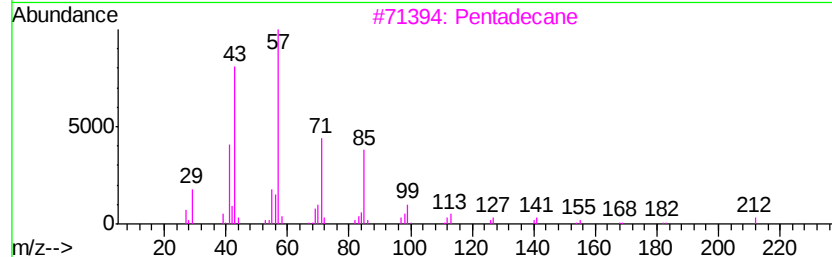
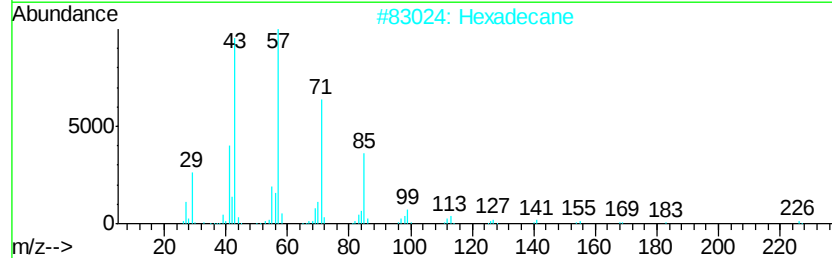
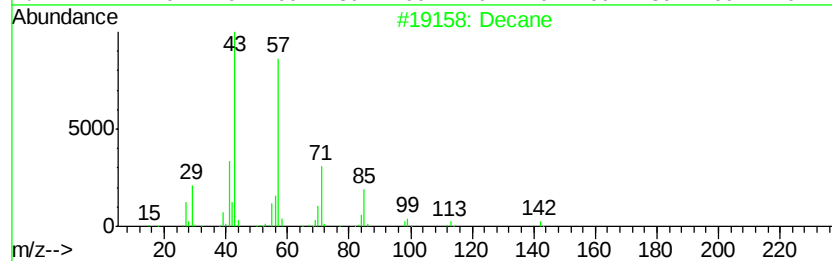
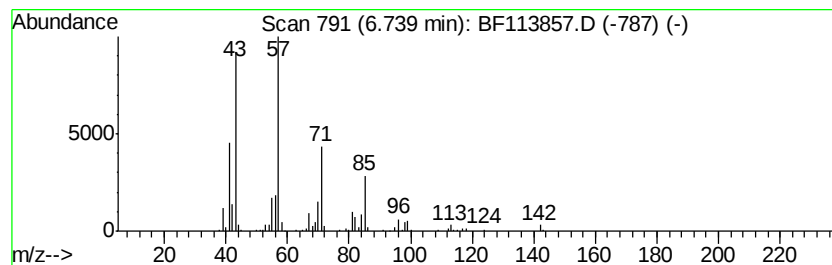
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Peak Number 2 Decane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	9.55 ng	497970	1,4-Dichlorobenzene-d4	6.90

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane			142	C10H22	000124-18-5	90
2	Hexadecane			226	C16H34	000544-76-3	72
3	Pentadecane			212	C15H32	000629-62-9	64
4	Undecane, 4,7-dimethyl-			184	C13H28	017301-32-5	59
5	Decane, 6-ethyl-2-methyl-			184	C13H28	062108-21-8	59



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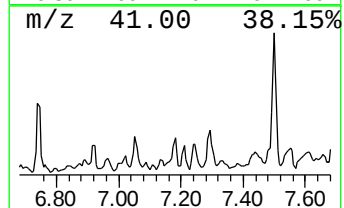
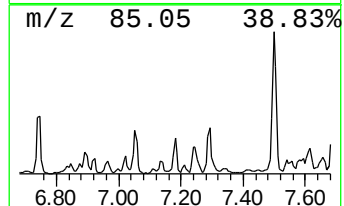
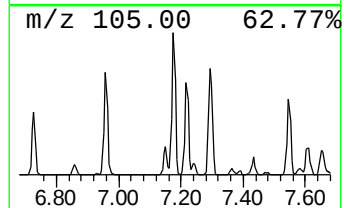
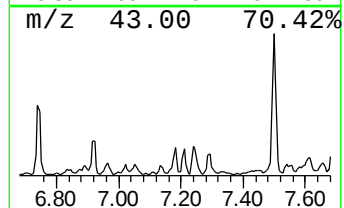
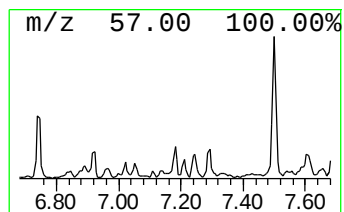
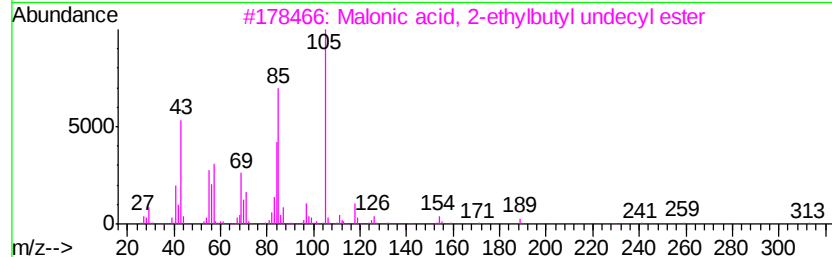
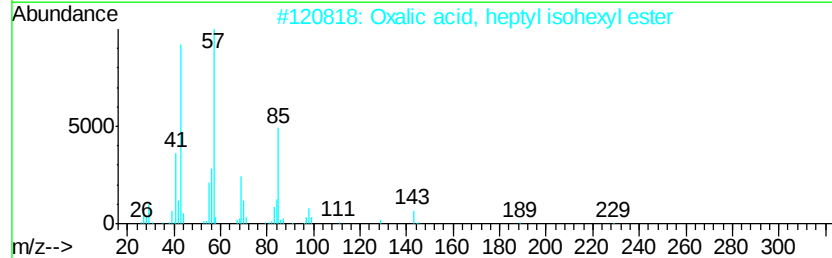
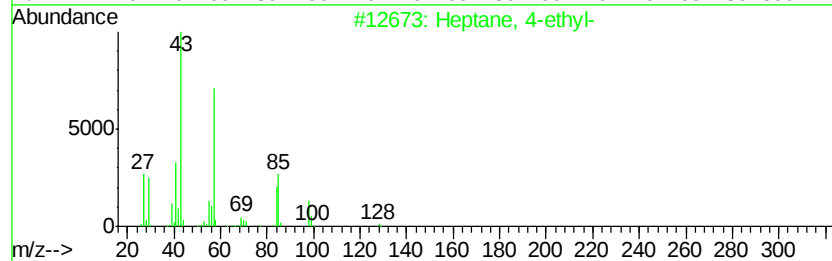
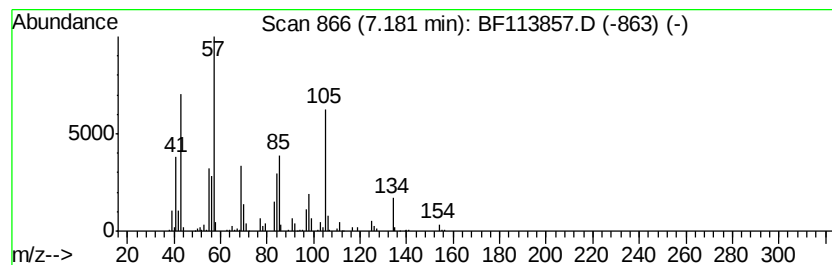
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Heptane, 4-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.18	5.94 ng	309818	1,4-Dichlorobenzene-d4	6.90

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 4-ethyl-	128	C9H20	002216-32-2	58
2			Oxalic acid, heptyl isohexyl ester	272	C15H28O4	1000309-33-1	47
3			Malonic acid, 2-ethylbutyl undec...	342	C20H38O4	1000348-96-2	46
4			Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	43
5			Heptane, 3-methyl-	114	C8H18	000589-81-1	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
Data File : BF113857.D
Acq On : 19 Apr 2019 14:41
Operator : JU/SJ
Sample : K2193-07 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-05-041719-A

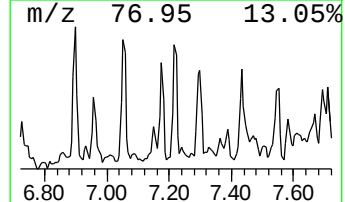
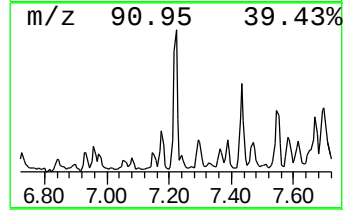
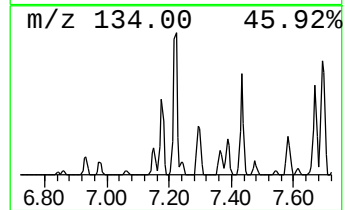
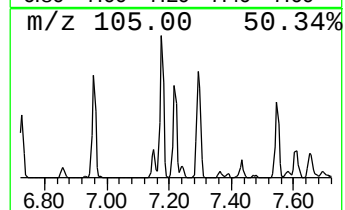
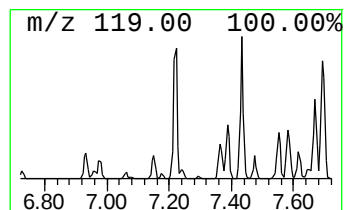
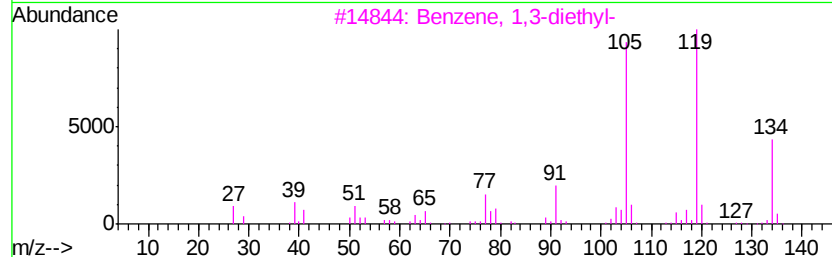
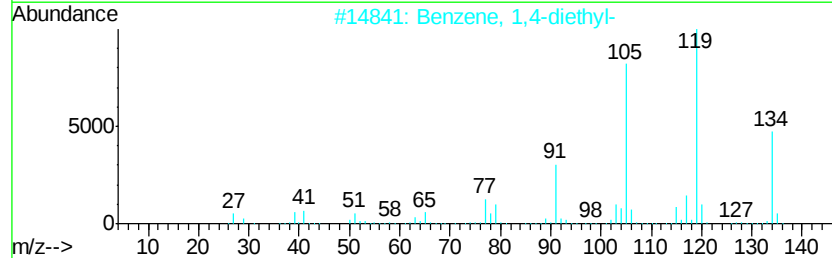
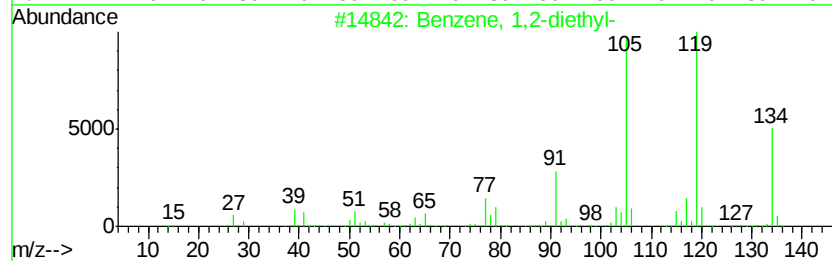
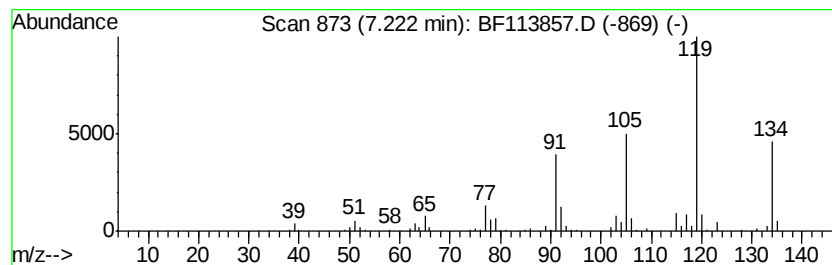
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Benzene, 1,2-diethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.22	5.17 ng	269445	1,4-Dichlorobenzene-d4	6.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	95
2		Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
3		Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	93
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
5		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
Data File : BF113857.D
Acq On : 19 Apr 2019 14:41
Operator : JU/SJ
Sample : K2193-07 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

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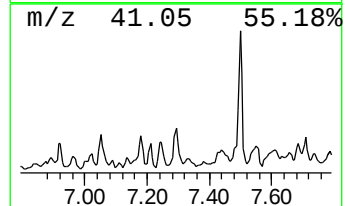
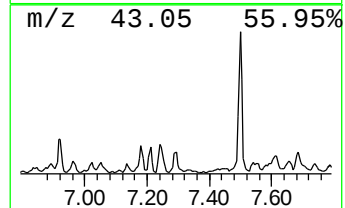
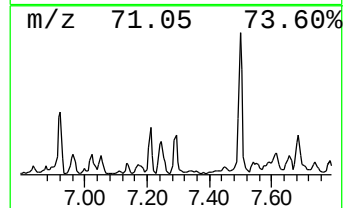
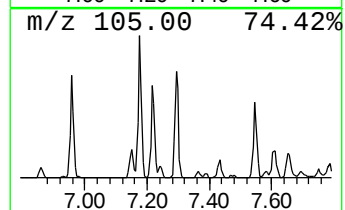
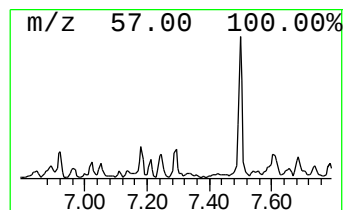
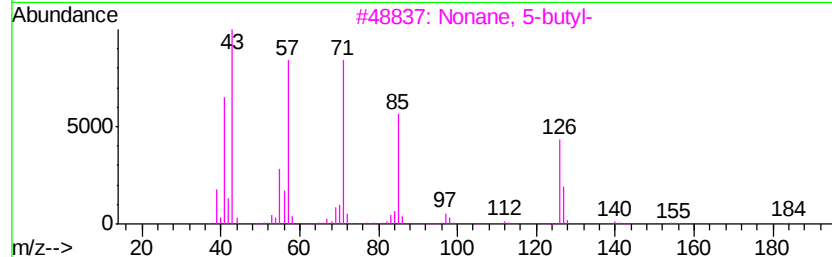
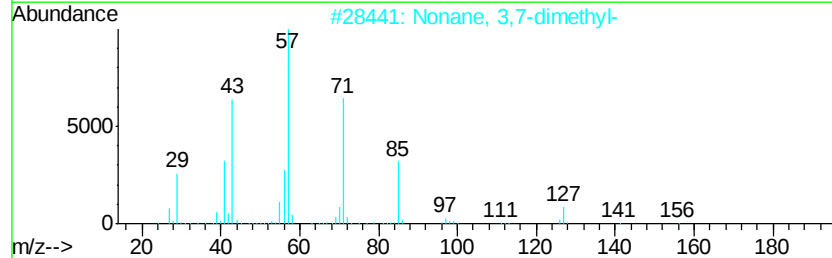
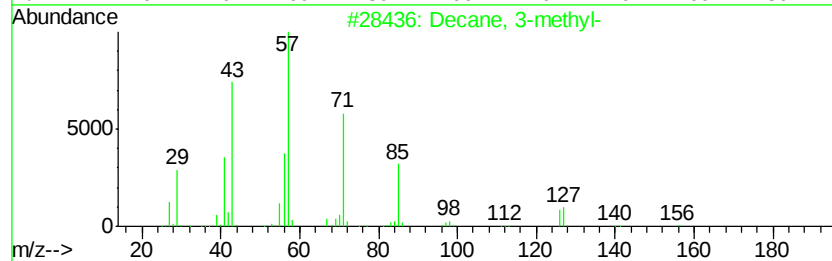
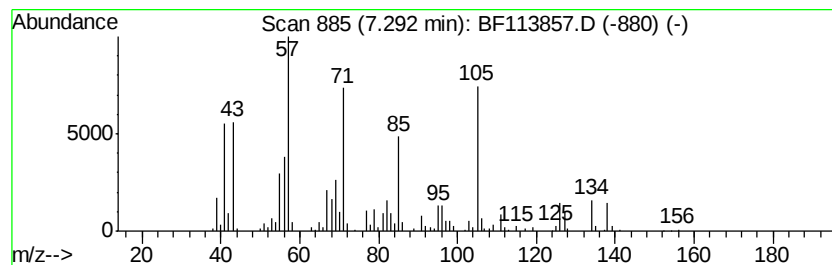
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Decane, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.29	8.56 ng	446688	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	70
2	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	64
3	Nonane, 5-butyl-	184	C13H28	017312-63-9	47
4	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	47
5	Nonane, 1-iodo-	254	C9H19I	004282-42-2	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
Data File : BF113857.D
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Operator : JU/SJ
Sample : K2193-07 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

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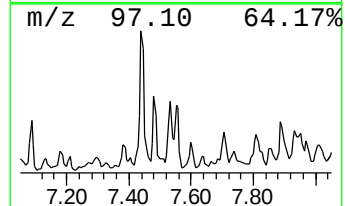
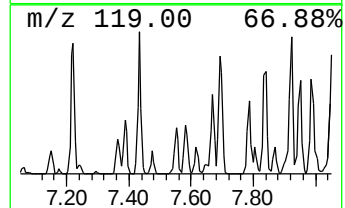
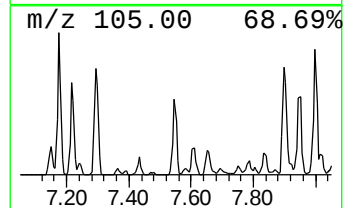
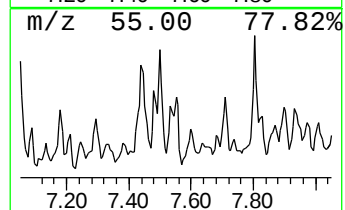
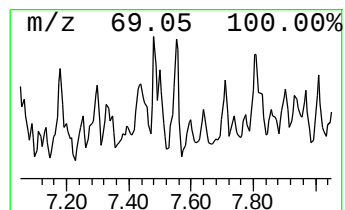
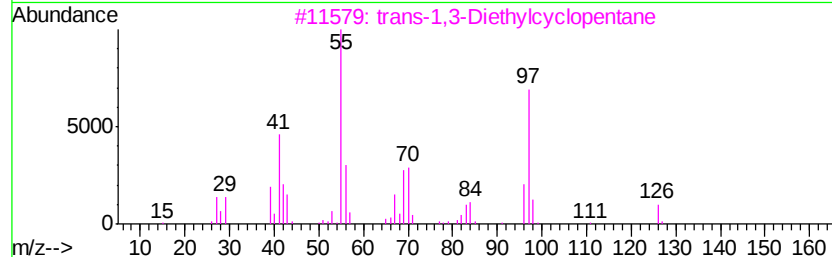
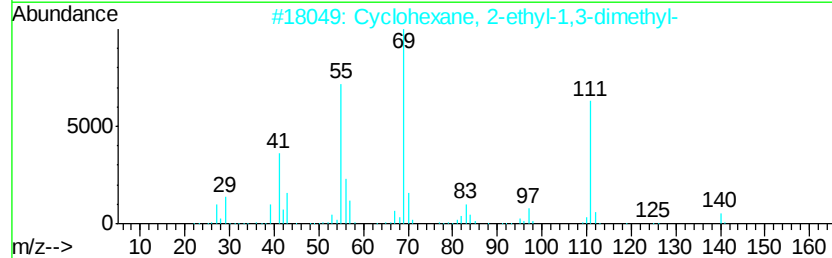
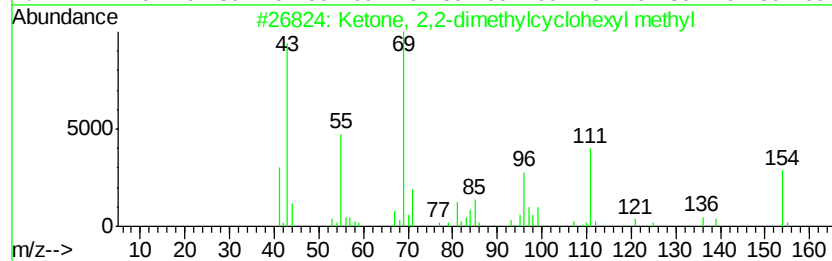
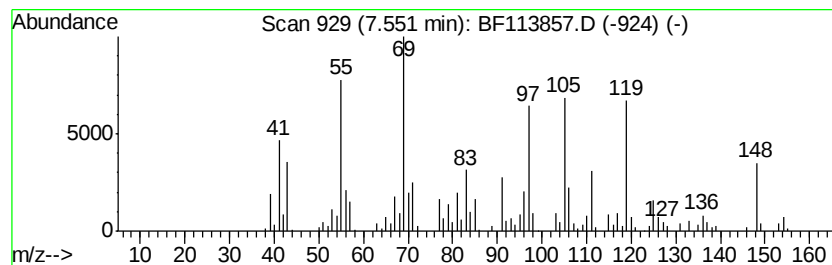
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown7.55 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.55	4.09 ng	449675	Naphthalene-d8	8.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ketone, 2,2-dimethylcyclohexyl m...	154	C10H18O	017983-26-5	38
2		Cyclohexane, 2-ethyl-1,3-dimethyl-	140	C10H20	007045-67-2	27
3		trans-1,3-Diethylcyclopentane	126	C9H18	1000113-87-1	25
4		4-Octene, 2,3,7-trimethyl-, [S-(...	154	C11H22	052763-13-0	25
5		Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
Data File : BF113857.D
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Operator : JU/SJ
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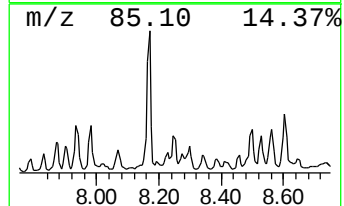
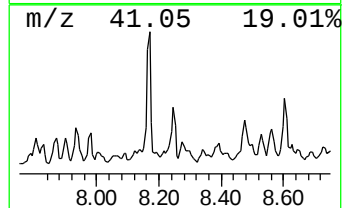
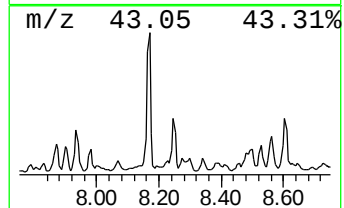
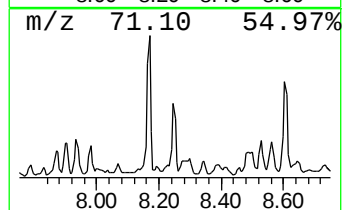
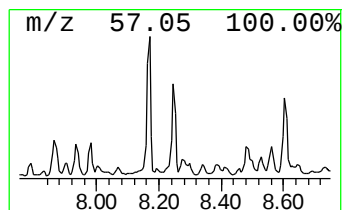
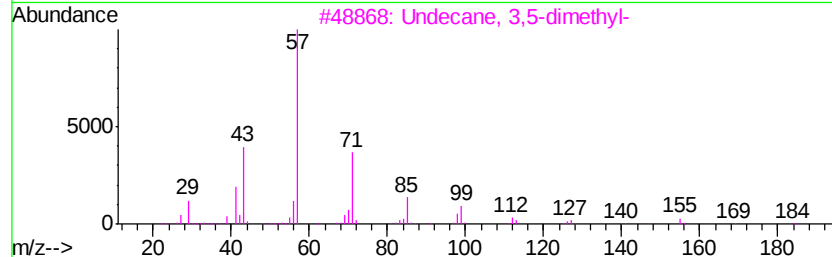
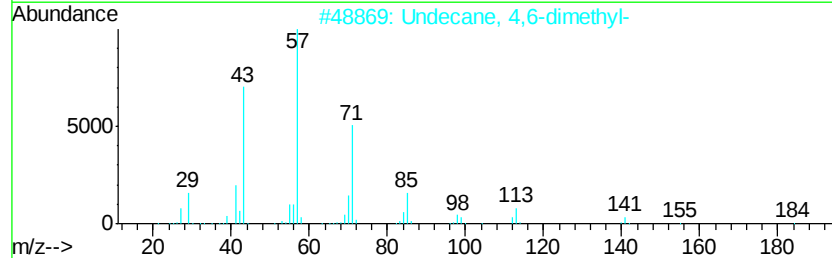
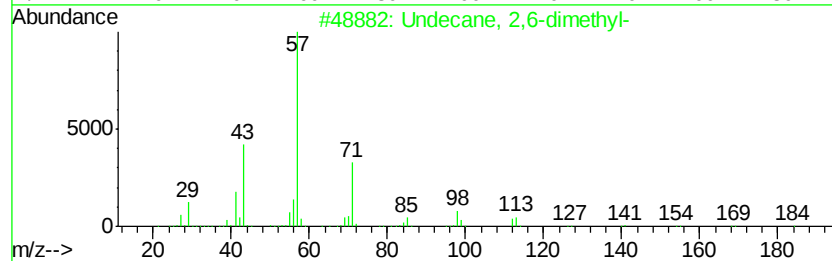
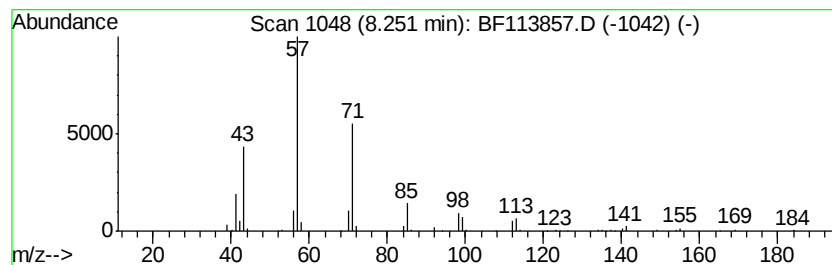
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Undecane, 2,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.25	5.61 ng	617372	Napthalene-d8	8.18	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	76
2	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	72
3	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	72
4	Dodecane, 6-methyl-	184	C13H28	006044-71-9	70
5	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
Data File : BF113857.D
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Misc :
ALS Vial : 9 Sample Multiplier: 1

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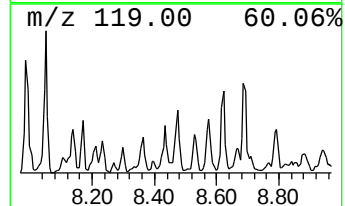
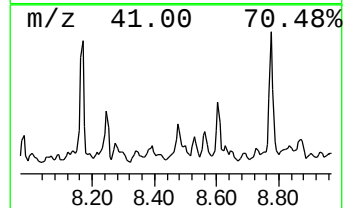
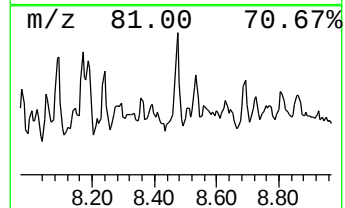
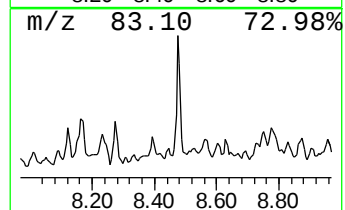
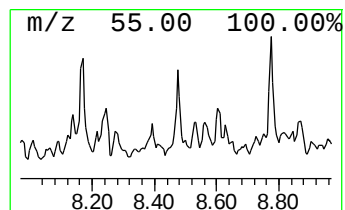
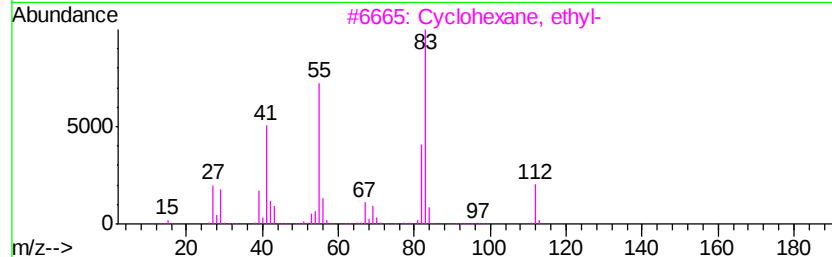
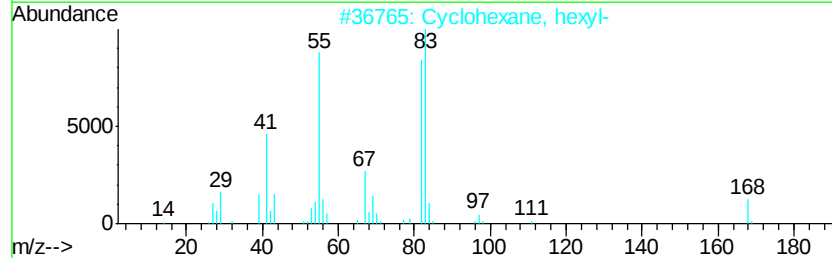
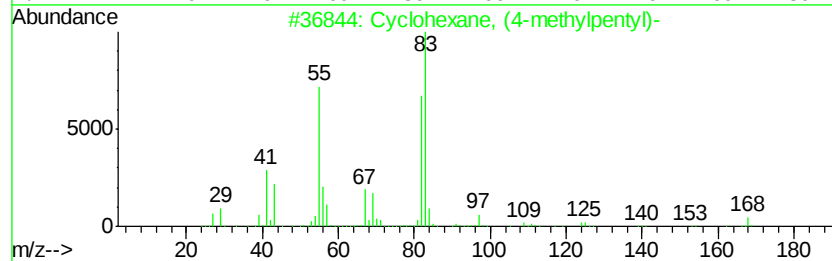
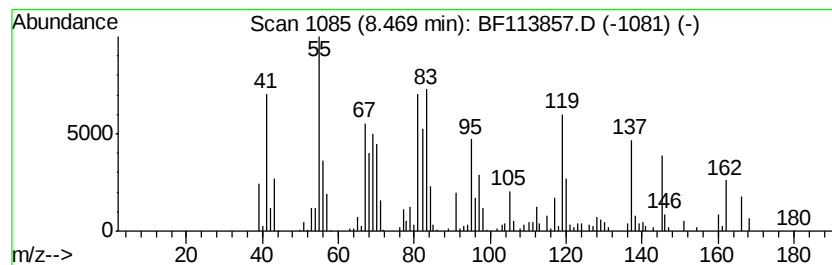
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown8.47 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.47	5.06 ng	557031	Naphthalene-d8	8.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	38
2		Cyclohexane, hexyl-	168	C12H24	004292-75-5	38
3		Cyclohexane, ethyl-	112	C8H16	001678-91-7	35
4		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	35
5		1,6-Octadiene, 5,7-dimethyl-, (R)-	138	C10H18	085006-04-8	27



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
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Operator : JU/SJ
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ALS Vial : 9 Sample Multiplier: 1

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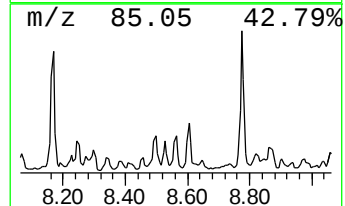
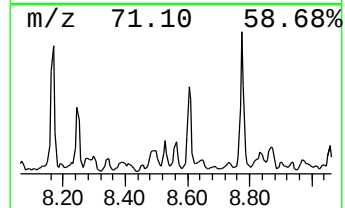
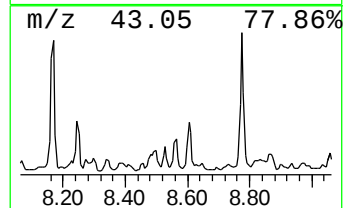
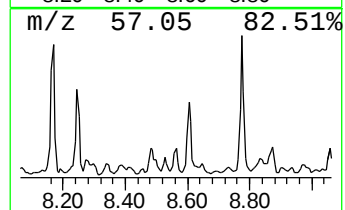
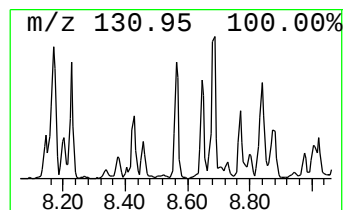
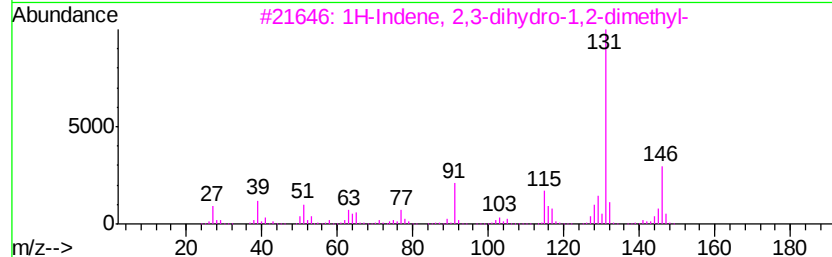
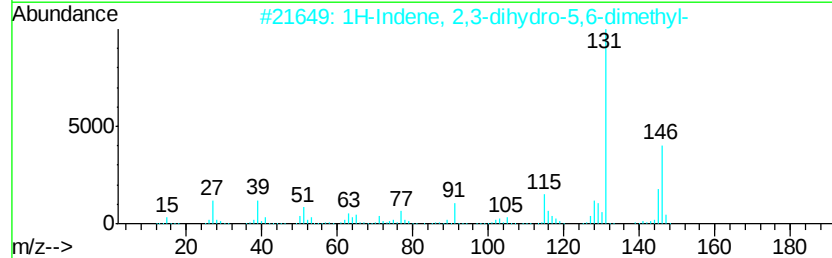
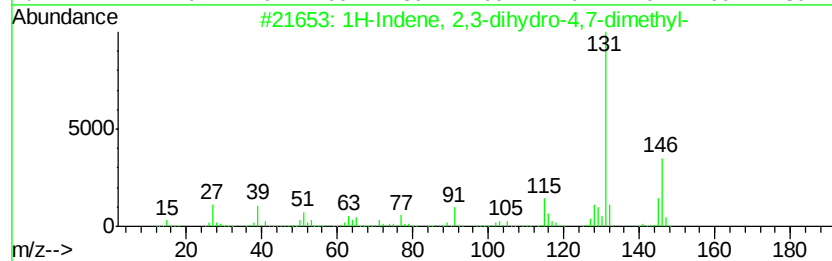
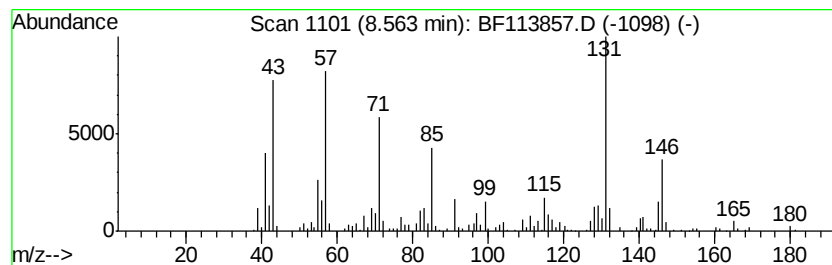
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.56	4.00 ng	440394	Naphthalene-d8	8.18

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	90
2			1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	89
3			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	70
4			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	70
5			Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
Data File : BF113857.D
Acq On : 19 Apr 2019 14:41
Operator : JU/SJ
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ALS Vial : 9 Sample Multiplier: 1

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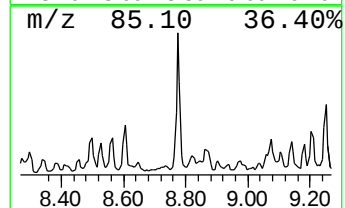
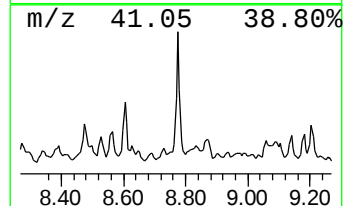
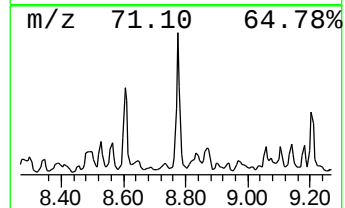
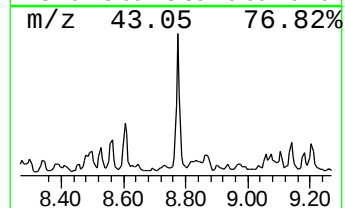
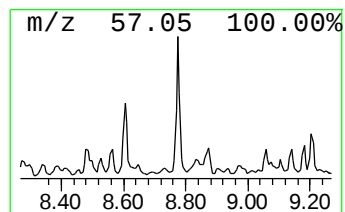
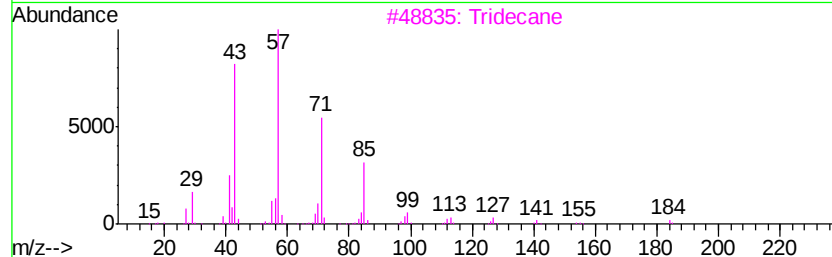
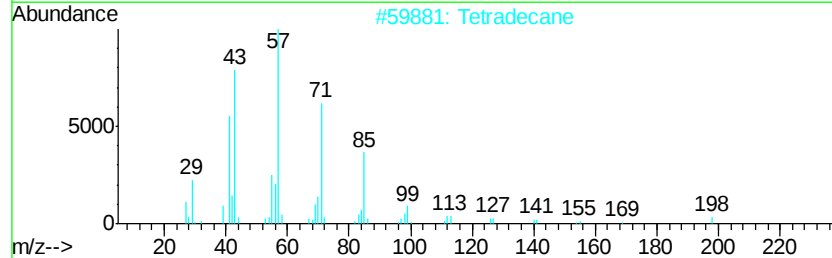
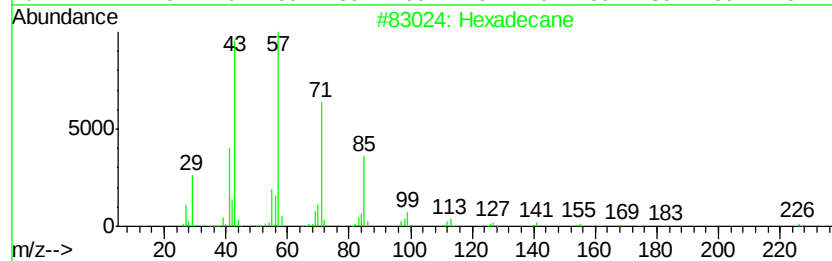
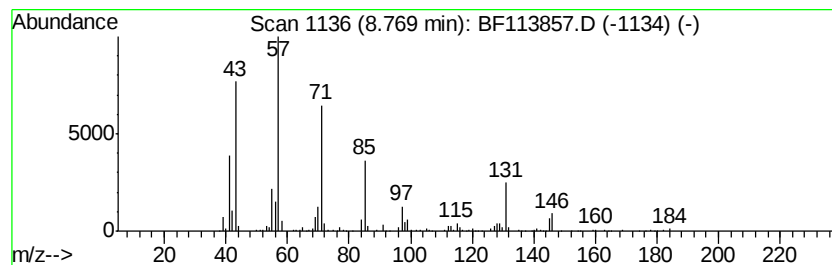
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Hexadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.77	9.52 ng	1047290	Naphthalene-d8	8.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	74
2		Tetradecane	198	C14H30	000629-59-4	72
3		Tridecane	184	C13H28	000629-50-5	70
4		Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	64
5		Dodecane, 2-methyl-	184	C13H28	001560-97-0	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
Data File : BF113857.D
Acq On : 19 Apr 2019 14:41
Operator : JU/SJ
Sample : K2193-07 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-05-041719-A

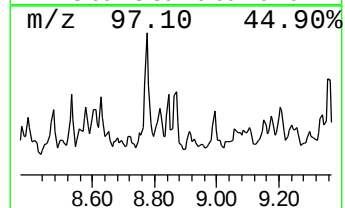
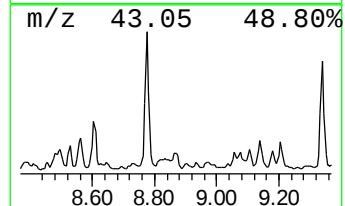
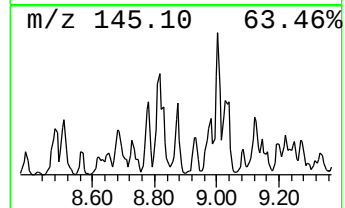
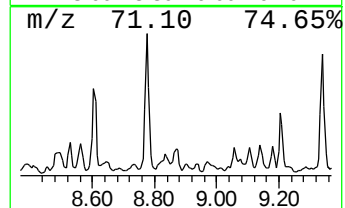
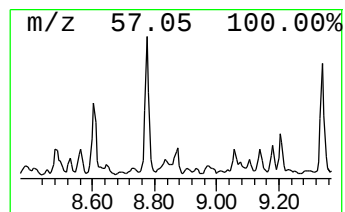
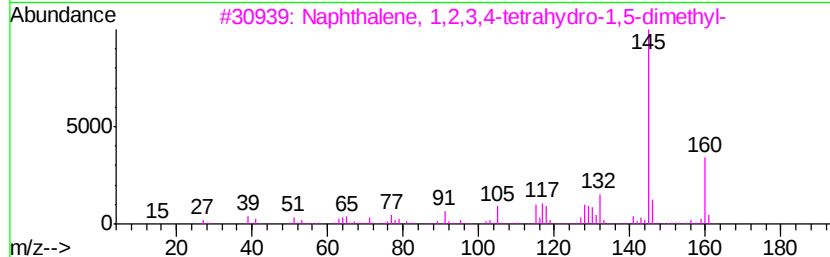
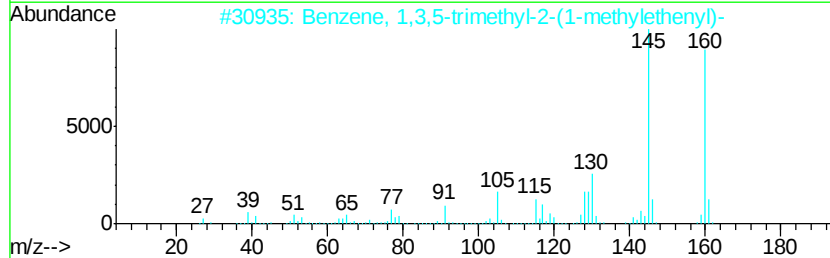
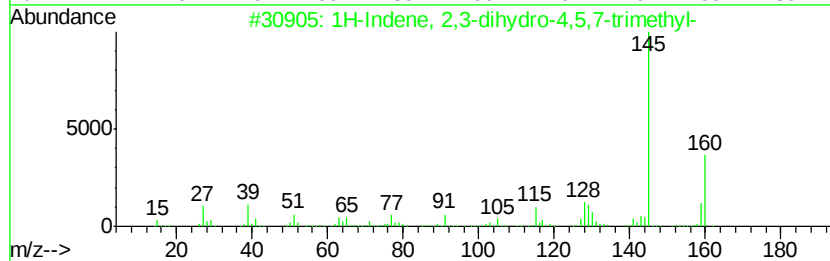
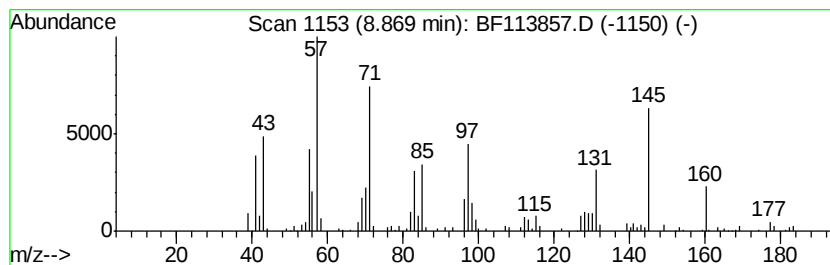
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown8.87 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.87	4.42 ng	486084	Naphthalene-d8	8.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indene, 2,3-dihydro-4,5,7-tri...	160	C12H16	006682-06-0	41
2		Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	38
3		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	38
4		Benzene, (1,3-dimethyl-2-butenyl)-	160	C12H16	050704-01-3	38
5		1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
Data File : BF113857.D
Acq On : 19 Apr 2019 14:41
Operator : JU/SJ
Sample : K2193-07 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
HR-05-041719-A

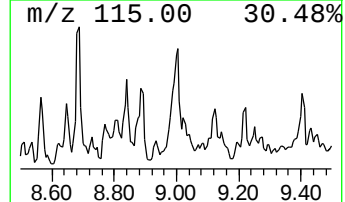
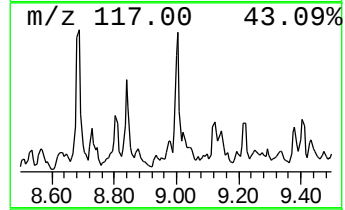
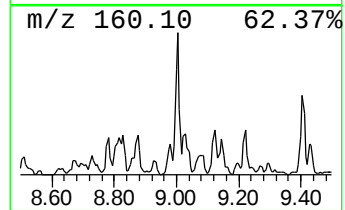
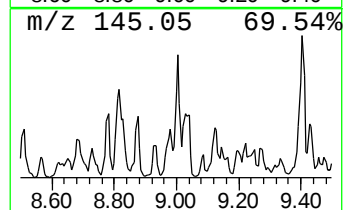
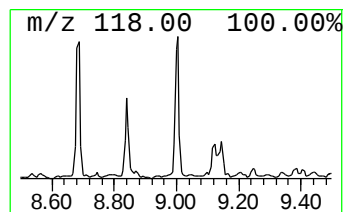
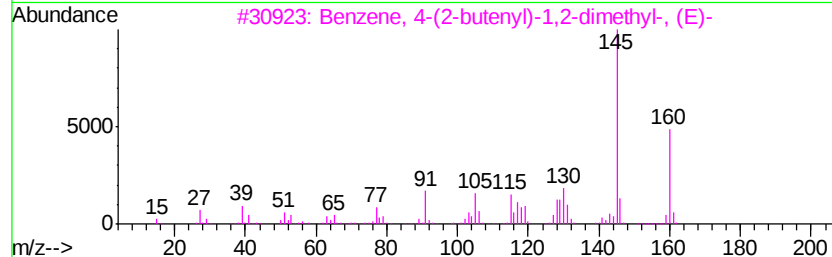
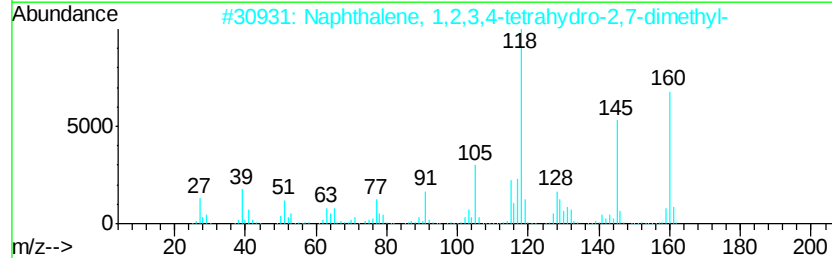
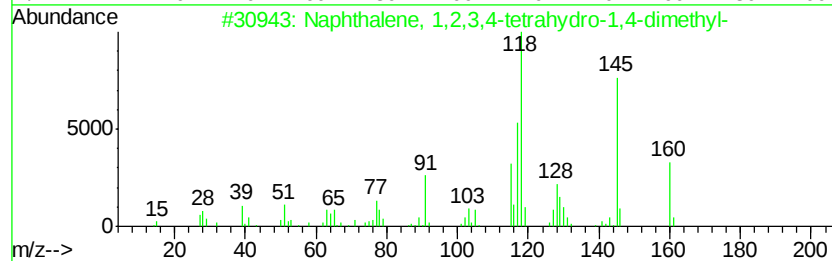
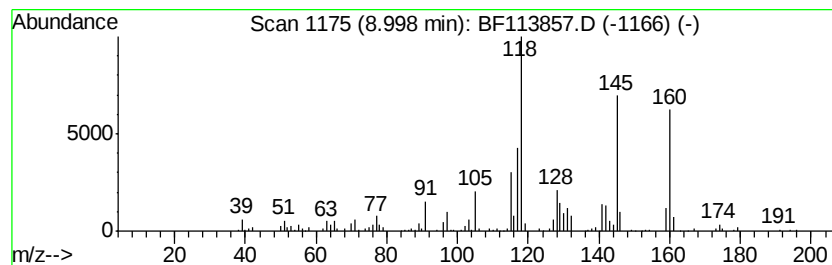
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphthalene, 1,2,3,4-tetra... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.00	5.49 ng	603636	Naphthalene-d8	8.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	93
2		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	70
3		Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	70
4		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	64
5		Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
Data File : BF113857.D
Acq On : 19 Apr 2019 14:41
Operator : JU/SJ
Sample : K2193-07 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
HR-05-041719-A

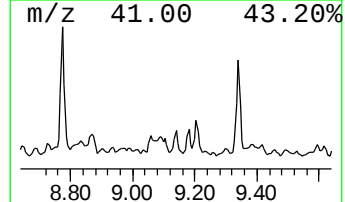
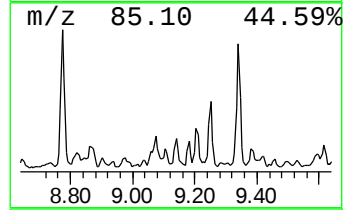
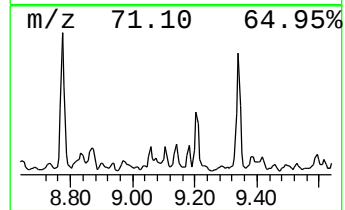
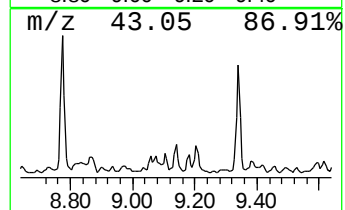
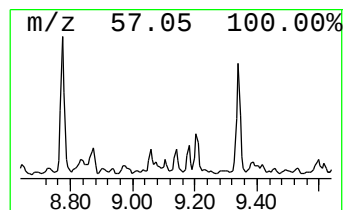
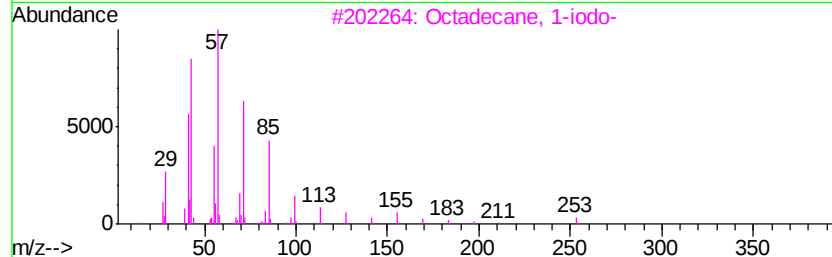
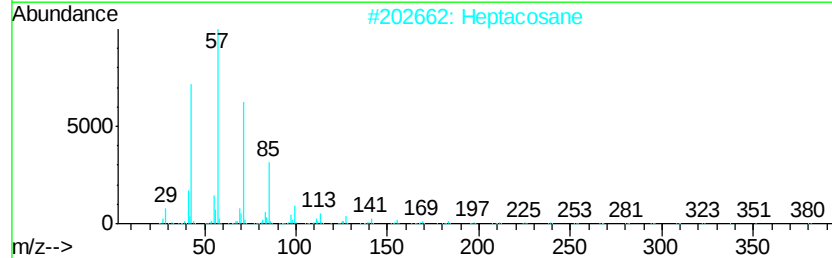
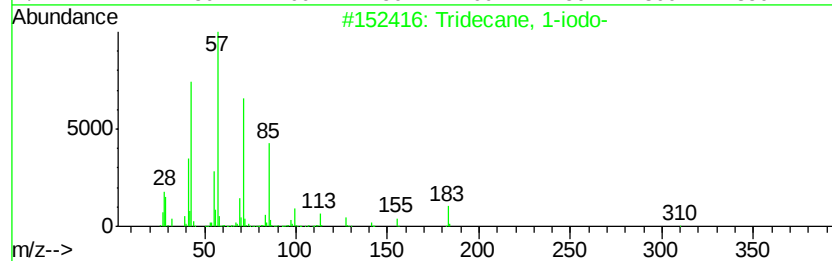
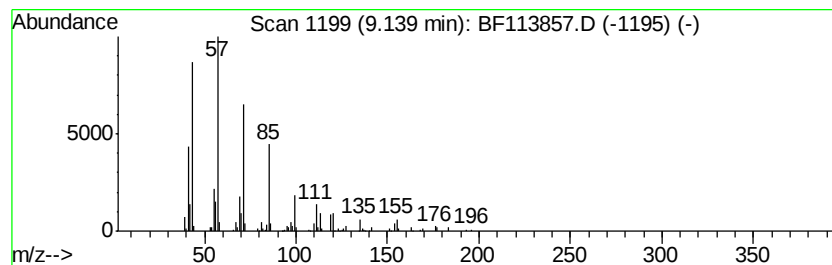
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Tridecane, 1-iodo- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.14	5.81 ng	335976	Acenaphthene-d10	9.93

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane, 1-iodo-	310	C13H27I	035599-77-0	83
2			Heptacosane	380	C27H56	000593-49-7	80
3			Octadecane, 1-iodo-	380	C18H37I	000629-93-6	80
4			Hexadecane	226	C16H34	000544-76-3	72
5			2-Bromo dodecane	248	C12H25Br	013187-99-0	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
Data File : BF113857.D
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Operator : JU/SJ
Sample : K2193-07 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

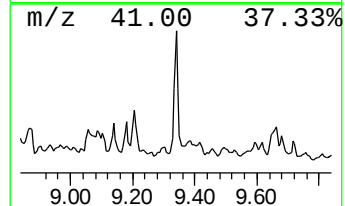
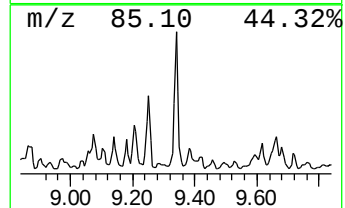
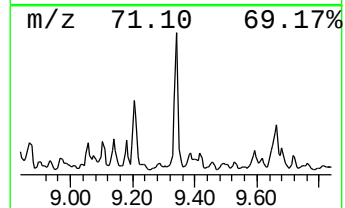
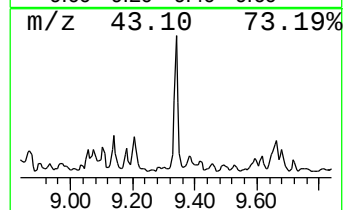
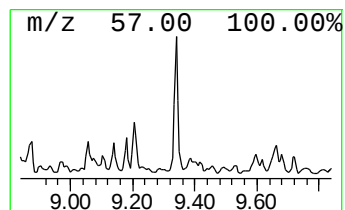
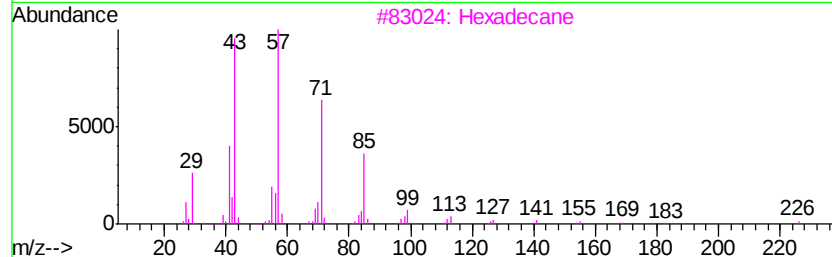
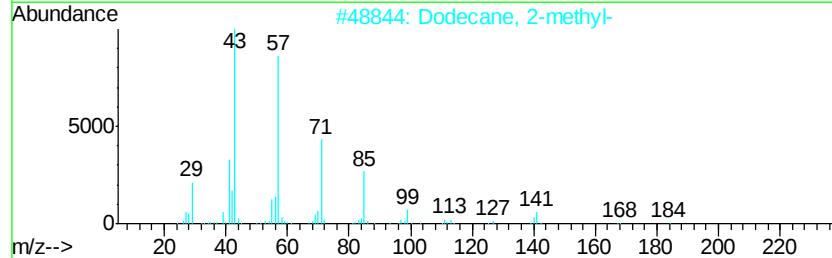
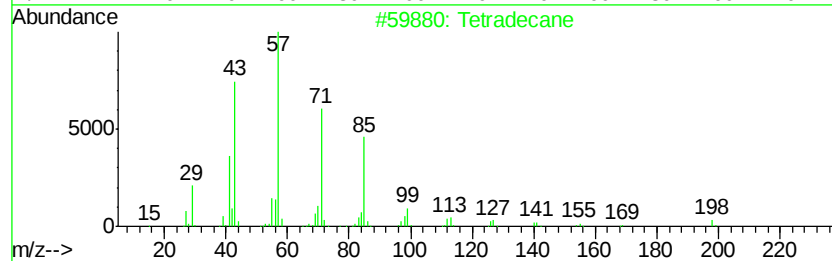
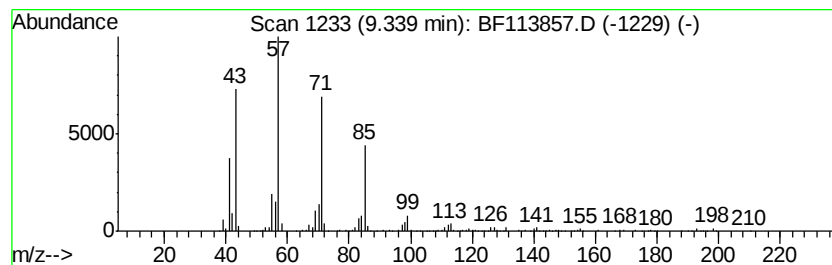
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Tetradecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.34	15.20 ng	878337	Acenaphthene-d10	9.93
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Tetradecane	198 C14H30	000629-59-4 90
2		Dodecane, 2-methyl-	184 C13H28	001560-97-0 72
3		Hexadecane	226 C16H34	000544-76-3 72
4		Tridecane	184 C13H28	000629-50-5 64
5		1-Decene, 4-methyl-	154 C11H22	013151-29-6 60



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
Data File : BF113857.D
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Sample : K2193-07 2X
Misc :
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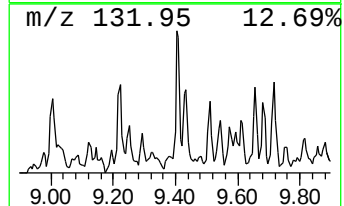
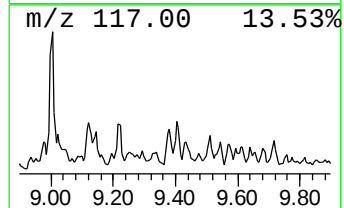
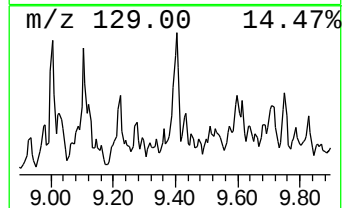
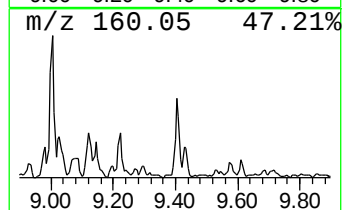
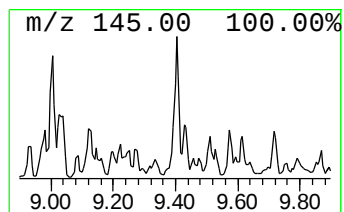
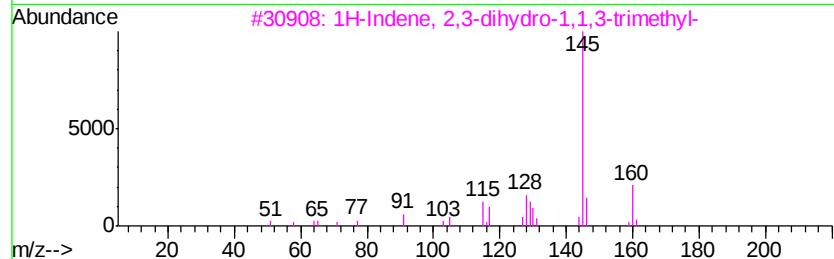
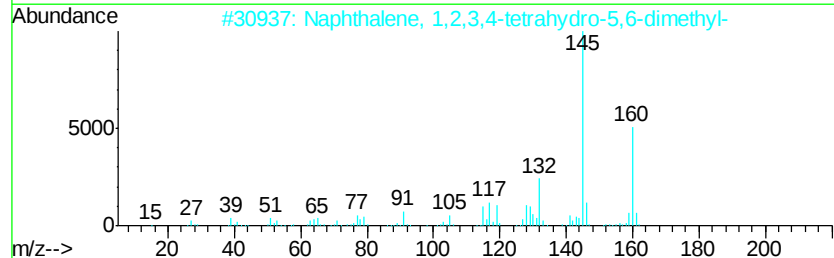
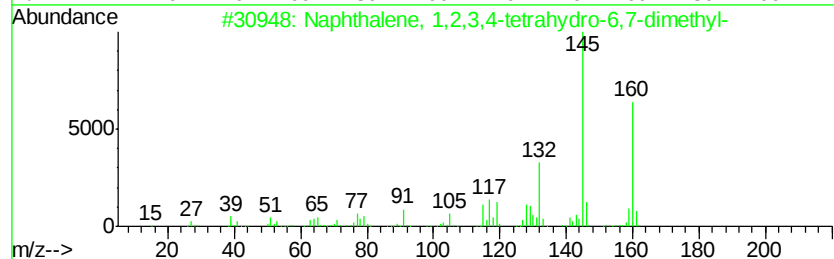
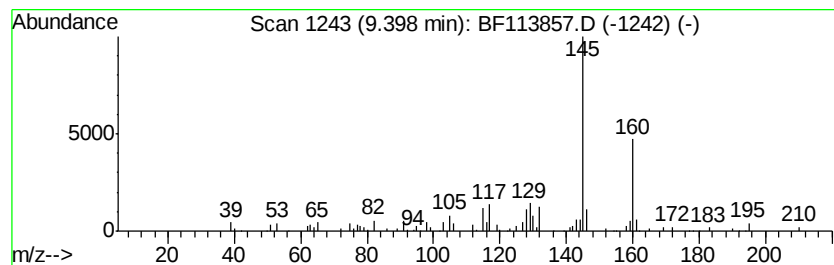
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Naphthalene, 1,2,3,4-tetra... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD		R.T.	
9.40	4.91 ng	284014	Acenaphthene-d10		9.93	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	94
2		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	94
3		1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	90
4		Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	87
5		Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
Data File : BF113857.D
Acq On : 19 Apr 2019 14:41
Operator : JU/SJ
Sample : K2193-07 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
HR-05-041719-A

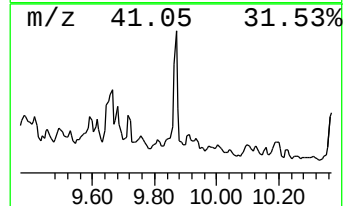
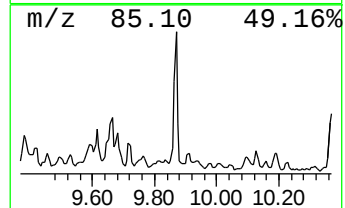
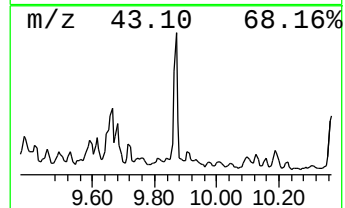
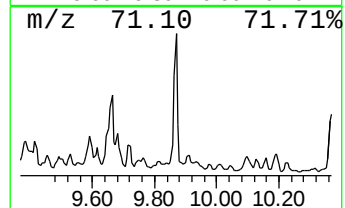
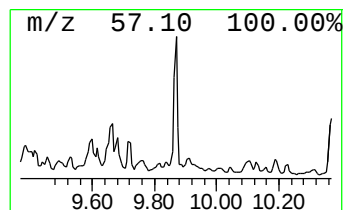
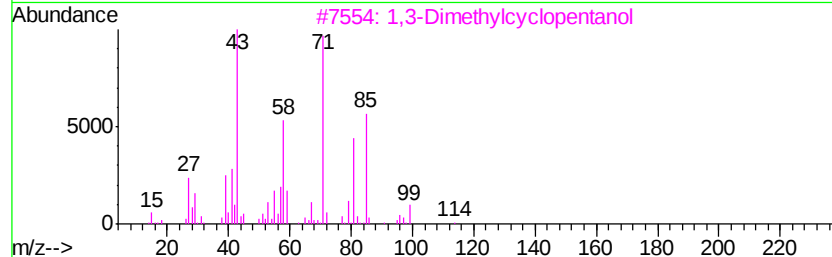
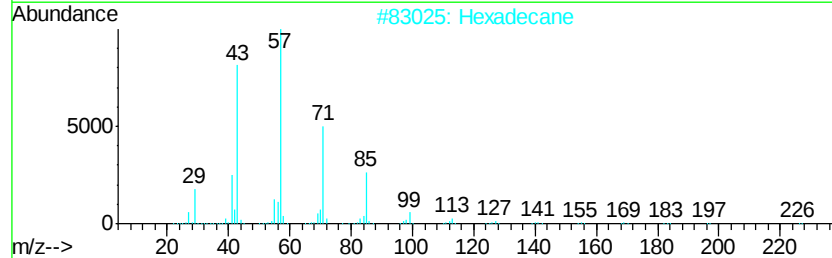
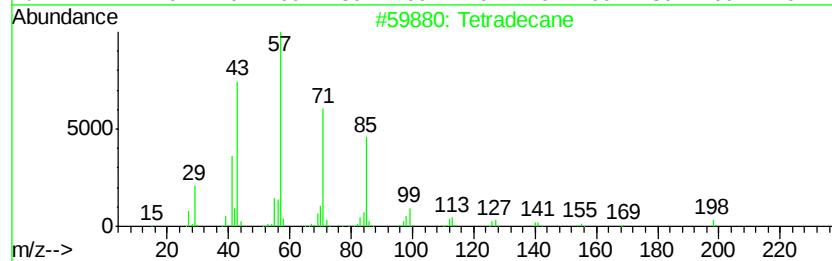
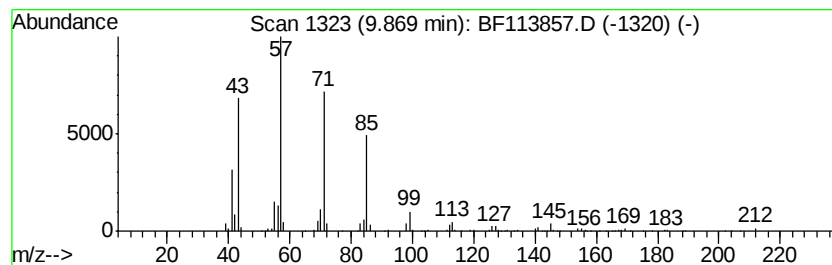
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 1,3-Dimethylcyclopentanol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.87	6.89 ng	397898	Acenaphthene-d10	9.93

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tetradecane	198	C14H30	000629-59-4	87
2			Hexadecane	226	C16H34	000544-76-3	72
3			1,3-Dimethylcyclopentanol	114	C7H14O	019550-46-0	64
4			Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	64
5			Pentadecane	212	C15H32	000629-62-9	60



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
Data File : BF113857.D
Acq On : 19 Apr 2019 14:41
Operator : JU/SJ
Sample : K2193-07 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

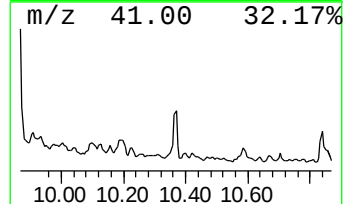
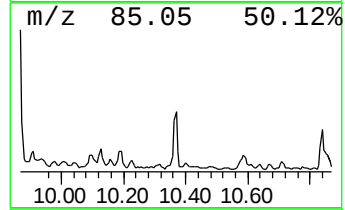
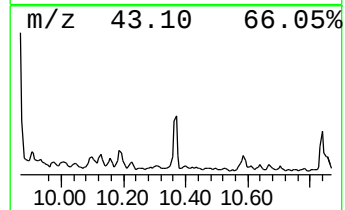
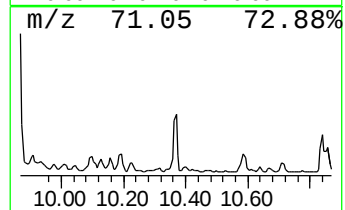
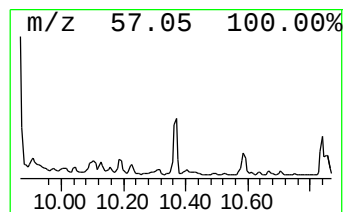
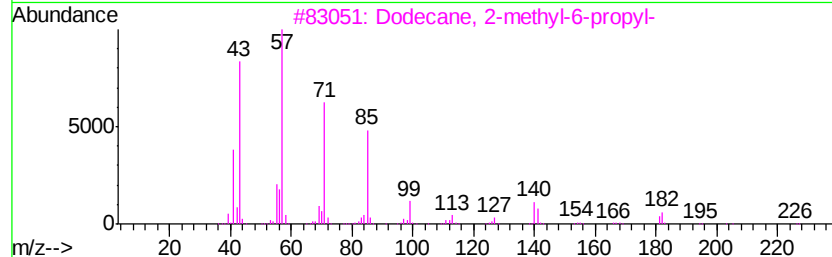
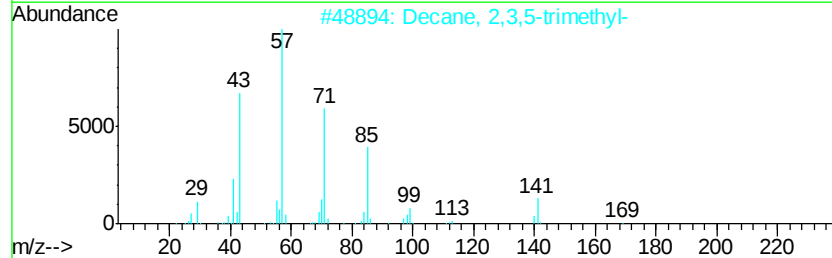
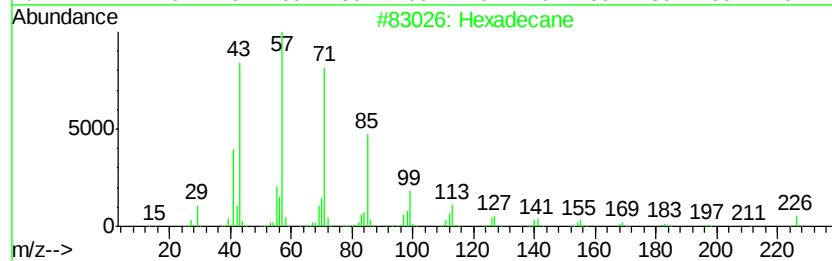
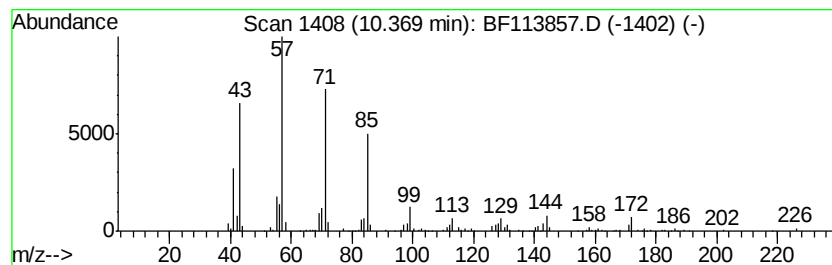
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ClientSampleId :
HR-05-041719-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Dodecane, 1-iodo- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.37	4.28 ng	247114	Acenaphthene-d10	9.93	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	93
2	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	72
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	72
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	72
5	Eicosane	282	C20H42	000112-95-8	52



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
Data File : BF113857.D
Acq On : 19 Apr 2019 14:41
Operator : JU/SJ
Sample : K2193-07 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

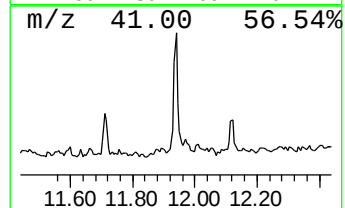
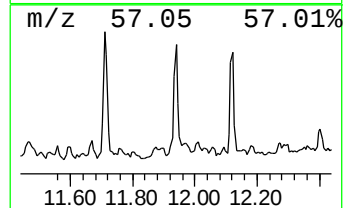
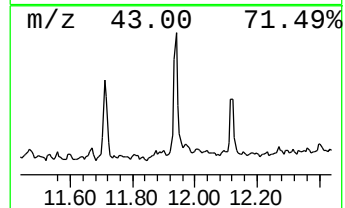
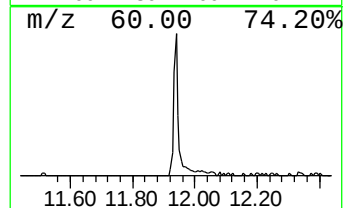
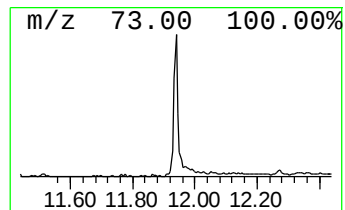
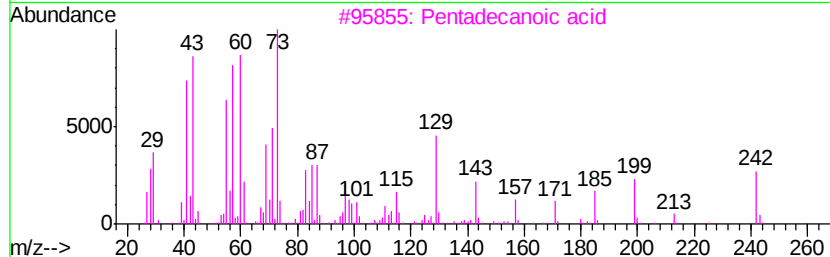
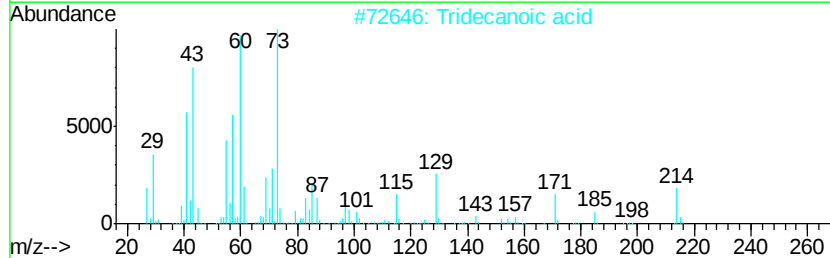
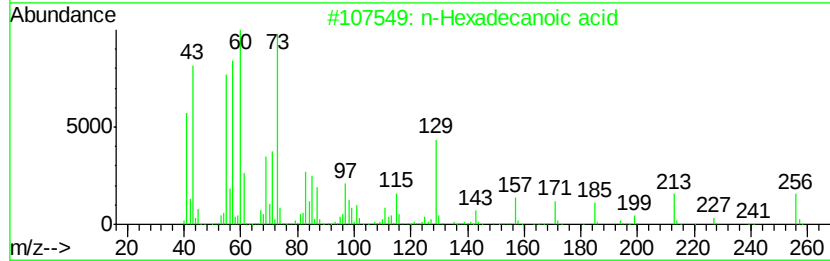
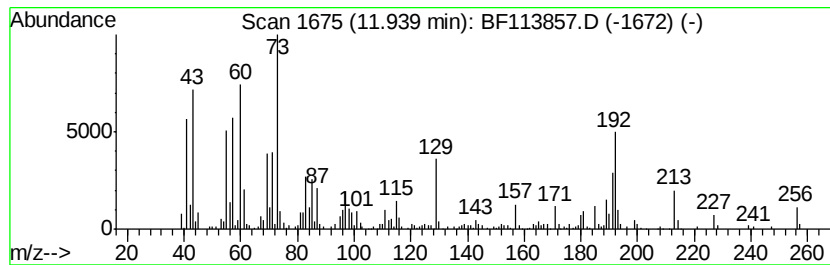
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 n-Hexadecanoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.94	5.19 ng	333233	Phenanthrene-d10	11.42	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2	Tridecanoic acid	214	C13H26O2	000638-53-9	70
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	62
4	n-Decanoic acid	172	C10H20O2	000334-48-5	38
5	Estra-1,3,5(10)-trien-17.beta.-ol	256	C18H24O	002529-64-8	18



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
Data File : BF113857.D
Acq On : 19 Apr 2019 14:41
Operator : JU/SJ
Sample : K2193-07 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
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ClientSampleId :
HR-05-041719-A

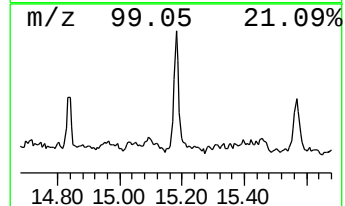
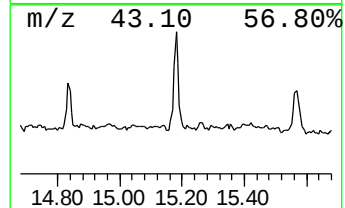
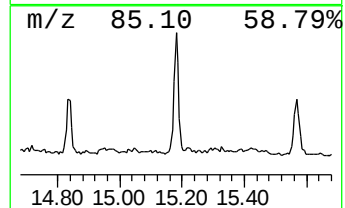
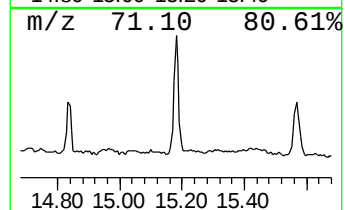
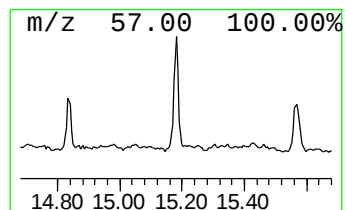
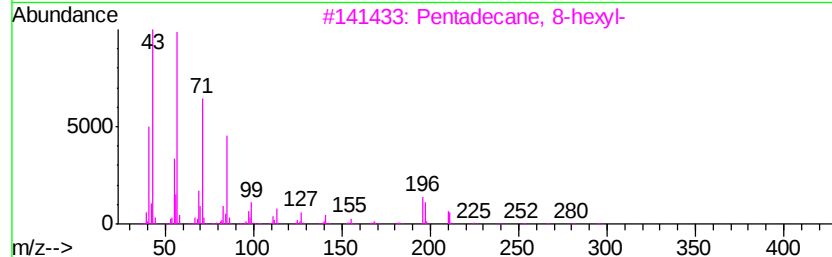
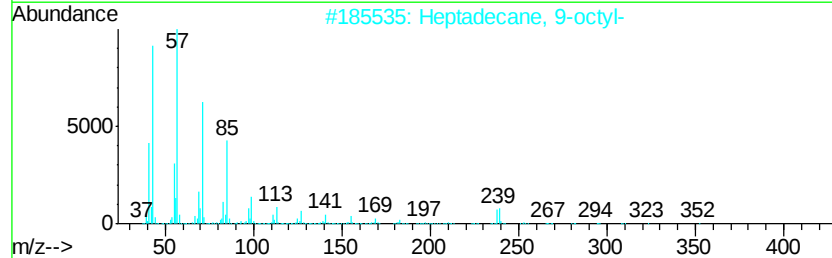
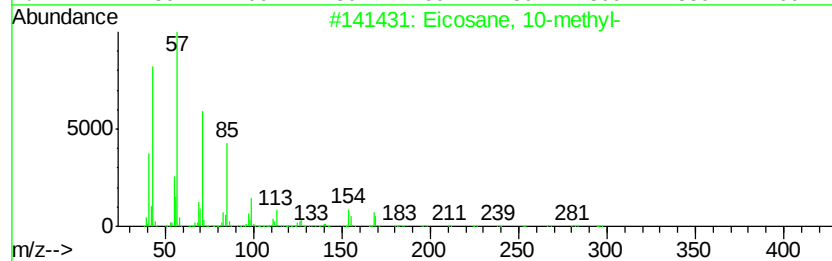
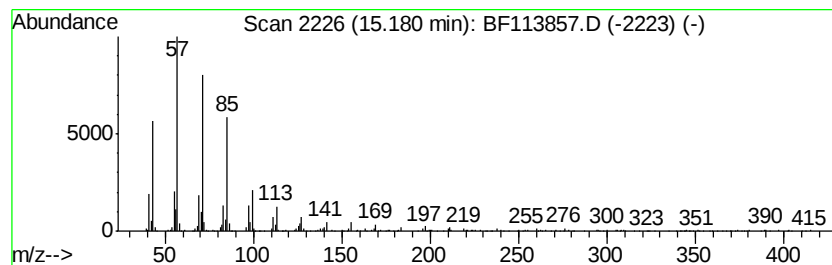
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Eicosane, 10-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	8.60 ng	445328	Perylene-d12	15.53

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane, 10-methyl-	296	C21H44	054833-23-7	94
2		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	93
3		Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	93
4		Heneicosane	296	C21H44	000629-94-7	91
5		2-methyloctacosane	408	C29H60	1000376-72-8	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
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 Acq On : 19 Apr 2019 14:41
 Operator : JU/SJ
 Sample : K2193-07 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-041719-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.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
unknown6.66	6.66	35.2	ng	1837680	1	6.90	1043090	20.0
Decane	6.74	9.6	ng	497970	1	6.90	1043090	20.0
Heptane, 4-ethyl-	7.18	5.9	ng	309818	1	6.90	1043090	20.0
Benzene, 1,2-diet...	7.22	5.2	ng	269445	1	6.90	1043090	20.0
Decane, 3-methyl-	7.29	8.6	ng	446688	1	6.90	1043090	20.0
unknown7.55	7.55	4.1	ng	449675	2	8.18	2199940	20.0
Undecane, 2,6-dim...	8.25	5.6	ng	617372	2	8.18	2199940	20.0
unknown8.47	8.47	5.1	ng	557031	2	8.18	2199940	20.0
1H-Indene, 2,3-di...	8.56	4.0	ng	440394	2	8.18	2199940	20.0
Hexadecane	8.77	9.5	ng	1047290	2	8.18	2199940	20.0
unknown8.87	8.87	4.4	ng	486084	2	8.18	2199940	20.0
Naphthalene, 1,2,...	9.00	5.5	ng	603636	2	8.18	2199940	20.0
Tridecane, 1-iodo-	9.14	5.8	ng	335976	3	9.93	1155830	20.0
Tetradecane	9.34	15.2	ng	878337	3	9.93	1155830	20.0
Naphthalene, 1,2,...	9.40	4.9	ng	284014	3	9.93	1155830	20.0
1,3-Dimethylcyclo...	9.87	6.9	ng	397898	3	9.93	1155830	20.0
Dodecane, 1-iodo-	10.37	4.3	ng	247114	3	9.93	1155830	20.0
n-Hexadecanoic acid	11.94	5.2	ng	333233	4	11.42	1284910	20.0
Eicosane, 10-methyl-	15.18	8.6	ng	445328	6	15.53	1036070	20.0