

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF060619\
 Data File : BF114884.D
 Acq On : 7 Jun 2019 1:08
 Operator : HP/JU
 Sample : K3153-03 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-060519-B

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-BF060419.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.610	248	259	269	rBV	628794	983637	21.39%	1.079%
2	5.275	537	542	545	rBV	4235783	3939095	85.67%	4.321%
3	5.928	650	653	655	rBV	191725	168579	3.67%	0.185%
4	6.116	680	685	688	rBV3	115124	159664	3.47%	0.175%
5	6.216	698	702	704	rVV2	185531	221862	4.83%	0.243%
6	6.275	709	712	714	rBV	235531	223540	4.86%	0.245%
7	6.304	714	717	720	rVV	3936588	3967968	86.30%	4.352%
8	6.440	733	740	743	rBV	4610868	4598089	100.00%	5.043%
9	6.522	749	754	759	rVB	869568	822614	17.89%	0.902%
10	6.669	774	779	782	rVV	2872350	2398267	52.16%	2.630%
11	6.704	782	785	788	rVB	577296	464125	10.09%	0.509%
12	6.740	788	791	795	rBV4	206905	294923	6.41%	0.323%
13	6.828	800	806	811	rBV	4143148	3800221	82.65%	4.168%
14	6.869	811	813	815	rVB	162152	129158	2.81%	0.142%
15	6.922	819	822	824	rBV3	176810	180371	3.92%	0.198%
16	6.969	824	830	832	rVB3	328090	436625	9.50%	0.479%
17	6.998	832	835	837	rVB	506810	429926	9.35%	0.472%
18	7.028	837	840	844	rBV	543328	556603	12.11%	0.610%
19	7.075	844	848	851	rBV2	848373	804113	17.49%	0.882%
20	7.169	858	864	866	rBV6	60755	125729	2.73%	0.138%
21	7.228	866	874	877	rBV	3140636	3203757	69.68%	3.514%
22	7.263	878	880	881	rBV2	229844	156451	3.40%	0.172%
23	7.287	881	884	887	rVB	2007712	1549504	33.70%	1.700%
24	7.328	887	891	895	rVB3	454431	638611	13.89%	0.700%
25	7.375	895	899	901	rBV4	183412	303046	6.59%	0.332%
26	7.398	901	903	907	rVB2	437789	414798	9.02%	0.455%
27	7.445	907	911	913	rVB4	230469	303610	6.60%	0.333%
28	7.481	913	917	922	rVB2	758329	1046550	22.76%	1.148%
29	7.522	922	924	926	rBV	189134	160269	3.49%	0.176%
30	7.598	929	937	939	rBV5	553587	1099305	23.91%	1.206%
31	7.651	942	946	950	rBV2	546540	821926	17.88%	0.902%
32	7.687	950	952	956	rVB4	552965	563240	12.25%	0.618%
33	7.722	956	958	962	rBV2	688461	677955	14.74%	0.744%
34	7.769	964	966	968	rBV	628091	500920	10.89%	0.549%

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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.792	968	970	974	rVB2	437212	442828	9.63%	0.486%
36	7.828	974	976	978	rBV2	272252	258899	5.63%	0.284%
37	7.863	978	982	985	rVB3	260016	352063	7.66%	0.386%
38	7.922	986	992	993	rBV4	488729	615649	13.39%	0.675%
39	7.951	993	997	1001	rVB2	4837584	4480783	97.45%	4.915%
40	8.010	1001	1007	1009	rBV5	299755	472715	10.28%	0.518%
41	8.034	1009	1011	1013	rVB	1115568	758484	16.50%	0.832%
42	8.057	1013	1015	1018	rVB3	303597	300540	6.54%	0.330%
43	8.087	1018	1020	1022	rVB3	359125	272313	5.92%	0.299%
44	8.134	1024	1028	1030	rBV3	446317	494930	10.76%	0.543%
45	8.169	1032	1034	1037	rVB	399819	308291	6.70%	0.338%
46	8.198	1037	1039	1042	rBV4	156571	151279	3.29%	0.166%
47	8.257	1044	1049	1052	rBV5	820951	1174864	25.55%	1.289%
48	8.287	1052	1054	1056	rVB2	444472	364994	7.94%	0.400%
49	8.316	1056	1059	1061	rBV3	741222	628877	13.68%	0.690%
50	8.345	1061	1064	1068	rVB4	649405	719268	15.64%	0.789%
51	8.392	1069	1072	1076	rBV3	1557841	1717027	37.34%	1.883%
52	8.457	1081	1083	1087	rVB3	349920	388393	8.45%	0.426%
53	8.504	1089	1091	1093	rVB3	262555	176392	3.84%	0.193%
54	8.563	1097	1101	1106	rBV	2145297	2091505	45.49%	2.294%
55	8.651	1113	1116	1120	rVB2	733148	995102	21.64%	1.091%
56	8.722	1126	1128	1132	rBV4	131288	152283	3.31%	0.167%
57	8.775	1132	1137	1139	rVV3	616821	694812	15.11%	0.762%
58	8.798	1139	1141	1143	rVV3	229612	158095	3.44%	0.173%
59	8.845	1146	1149	1150	rVV2	524488	493313	10.73%	0.541%
60	8.863	1150	1152	1155	rVV3	422080	586806	12.76%	0.644%
61	8.892	1155	1157	1160	rVV4	455315	503526	10.95%	0.552%
62	8.922	1160	1162	1165	rVV3	481821	462009	10.05%	0.507%
63	8.969	1167	1170	1172	rVV2	467967	525078	11.42%	0.576%
64	8.992	1172	1174	1176	rVV2	1406409	1054949	22.94%	1.157%
65	9.028	1176	1180	1183	rVV	5340242	4563384	99.25%	5.005%
66	9.069	1185	1187	1190	rVB3	260276	181077	3.94%	0.199%
67	9.122	1193	1196	1200	rVV	1562167	1705537	37.09%	1.871%
68	9.175	1202	1205	1208	rVV2	572903	832029	18.10%	0.913%
69	9.204	1208	1210	1212	rVB2	497732	371121	8.07%	0.407%
70	9.239	1212	1216	1219	rBV3	254690	355559	7.73%	0.390%
71	9.275	1219	1222	1226	rBV4	281952	381350	8.29%	0.418%

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72	9.345	1231	1234	1236	rBV4	273618	330891	7.20%	0.363%
73	9.381	1236	1240	1242	rVV4	421861	629238	13.68%	0.690%
74	9.422	1244	1247	1249	rVV	686433	954099	20.75%	1.046%
75	9.445	1249	1251	1253	rVV	925442	887467	19.30%	0.973%
76	9.463	1253	1254	1257	rVV2	618744	454931	9.89%	0.499%
77	9.498	1257	1260	1263	rVV3	261138	327558	7.12%	0.359%
78	9.528	1263	1265	1267	rVB3	167585	130934	2.85%	0.144%
79	9.622	1279	1281	1283	rVB2	196210	144986	3.15%	0.159%
80	9.651	1283	1286	1289	rBV	1027560	746829	16.24%	0.819%
81	9.698	1290	1294	1298	rVB2	3472672	3123750	67.94%	3.426%
82	9.881	1321	1325	1328	rBV5	215014	365242	7.94%	0.401%
83	9.910	1328	1330	1333	rVV3	224918	200902	4.37%	0.220%
84	9.975	1338	1341	1345	rVB2	302002	324895	7.07%	0.356%
85	10.145	1367	1370	1373	rVB	387726	324760	7.06%	0.356%
86	10.369	1404	1408	1411	rBV2	168478	185984	4.04%	0.204%
87	10.480	1423	1427	1431	rVB	2924079	2520417	54.81%	2.764%
88	10.616	1448	1450	1457	rVB	242361	295215	6.42%	0.324%
89	11.063	1523	1526	1529	rVV2	139609	111641	2.43%	0.122%
90	11.175	1541	1545	1548	rBV	2968999	2764284	60.12%	3.032%
91	11.716	1634	1637	1641	rBV	427744	381810	8.30%	0.419%
92	12.498	1767	1770	1774	rBV	133660	159623	3.47%	0.175%
93	12.751	1809	1813	1817	rBV	4319550	3893018	84.67%	4.270%
94	13.345	1911	1914	1917	rBV	175488	159106	3.46%	0.175%
95	13.663	1965	1968	1977	rVB2	317561	493422	10.73%	0.541%
96	13.792	1986	1990	1994	rBV	2343244	2330774	50.69%	2.556%
97	13.986	2021	2023	2026	rVB	236339	187248	4.07%	0.205%
98	14.292	2072	2075	2079	rBV	306246	322383	7.01%	0.354%
99	14.586	2122	2125	2129	rVB3	307272	333459	7.25%	0.366%
100	15.180	2222	2226	2230	rVB	1565939	1756079	38.19%	1.926%

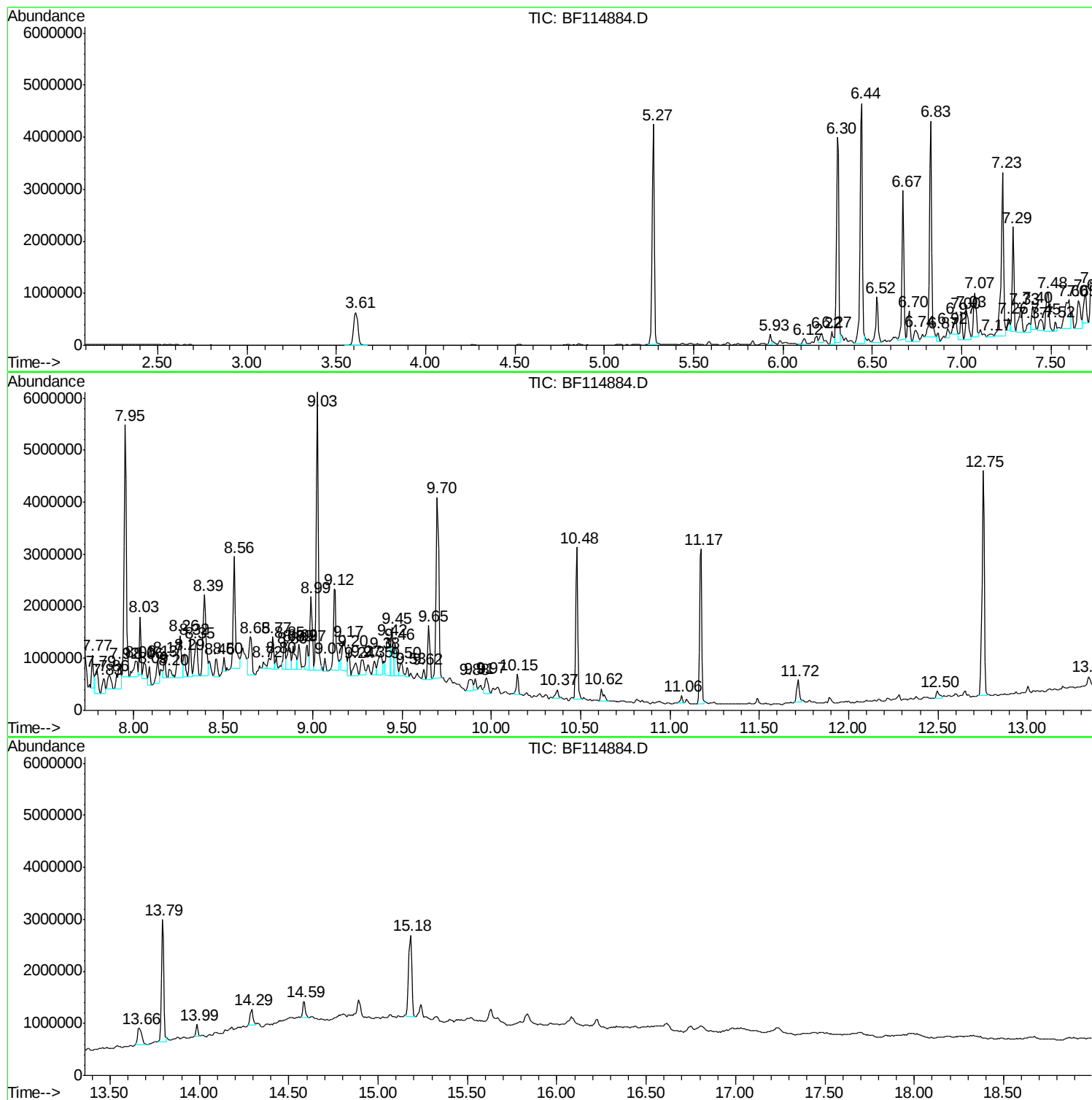
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF060419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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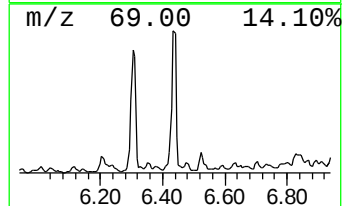
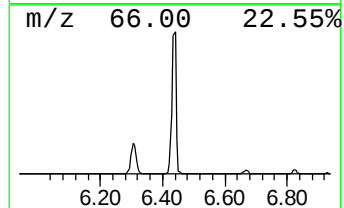
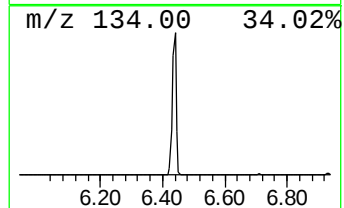
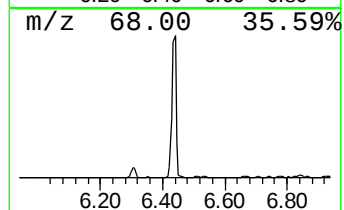
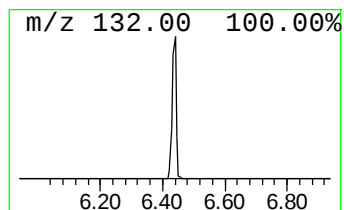
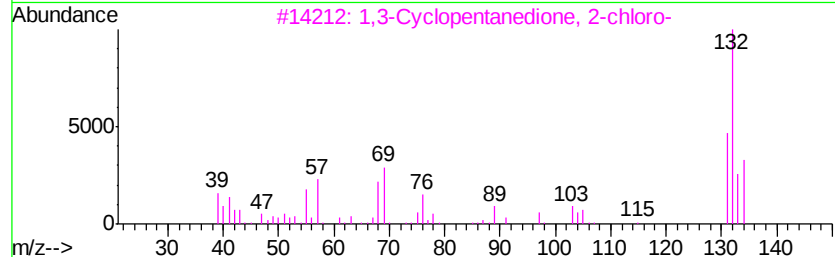
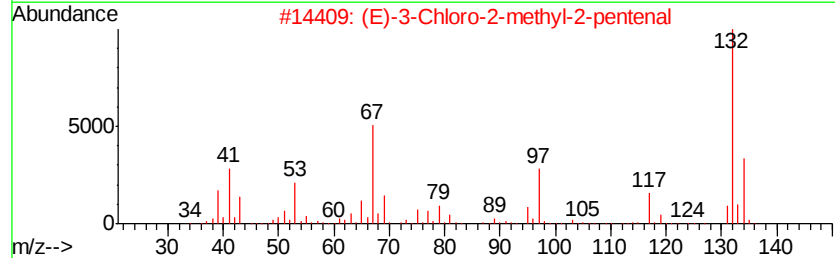
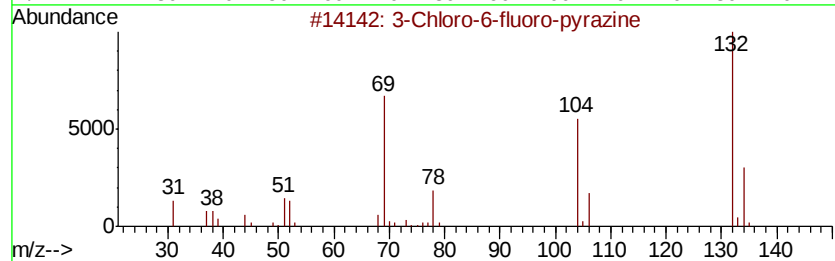
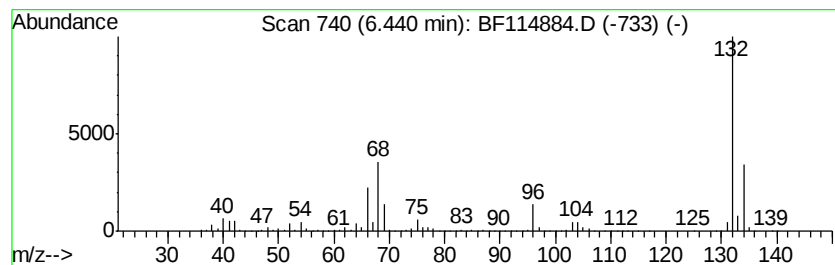
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF060419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.44 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.44	38.35 ng	4598090	1,4-Dichlorobenzene-d4	6.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3		1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	23
4		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
5		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



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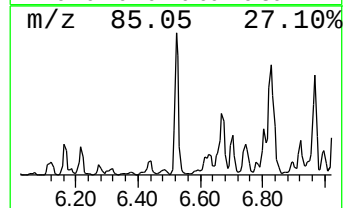
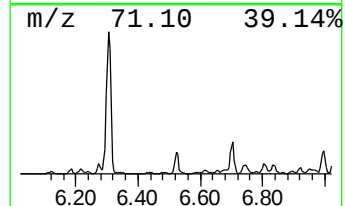
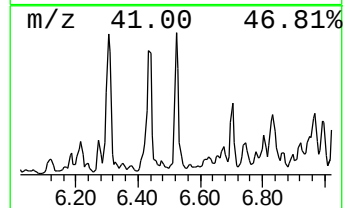
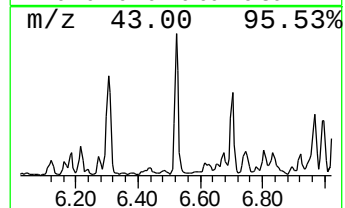
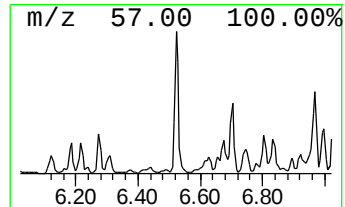
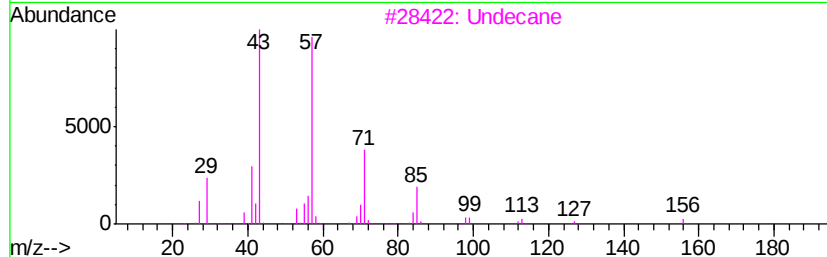
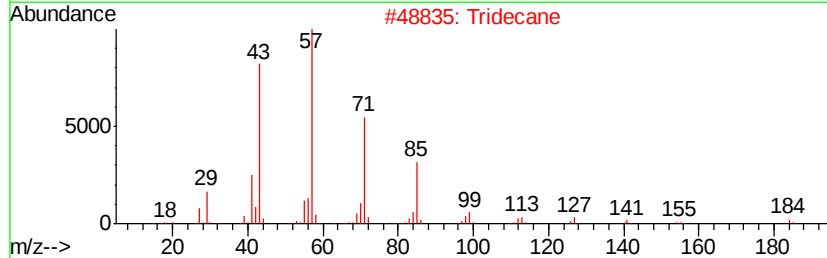
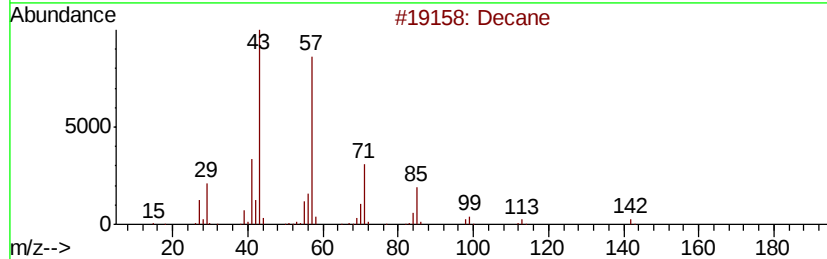
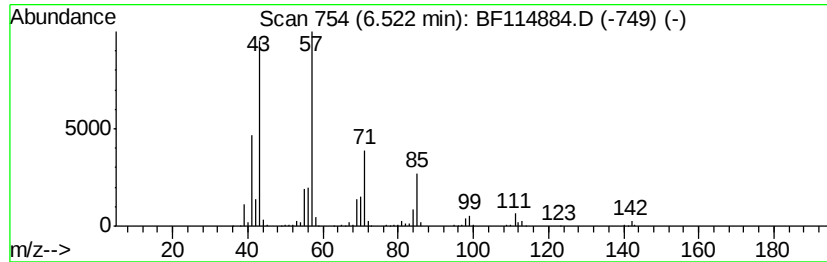
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Decane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	6.86 ng	822614	1,4-Dichlorobenzene-d4	6.67

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane		142	C10H22	000124-18-5	93
2	Tridecane		184	C13H28	000629-50-5	64
3	Undecane		156	C11H24	001120-21-4	64
4	Hexadecane		226	C16H34	000544-76-3	64
5	Nonane		128	C9H20	000111-84-2	64



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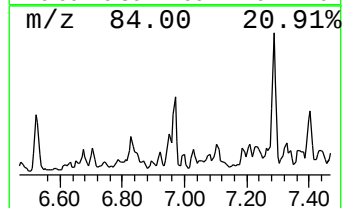
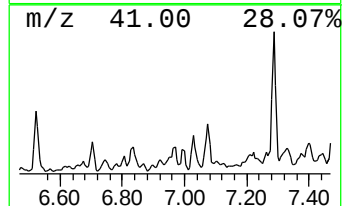
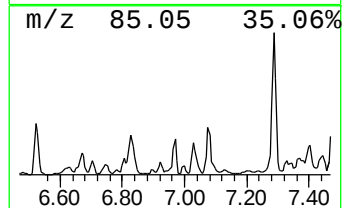
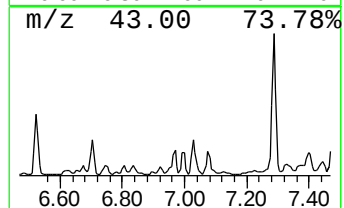
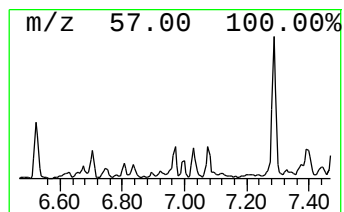
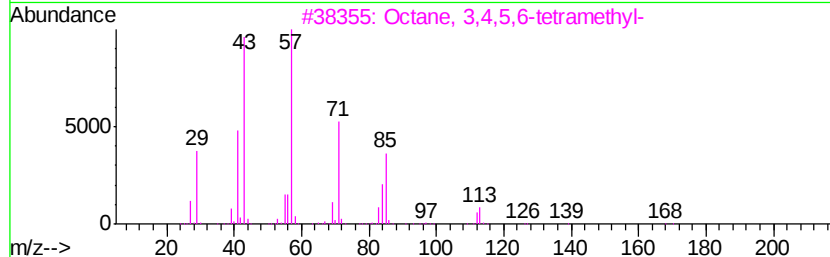
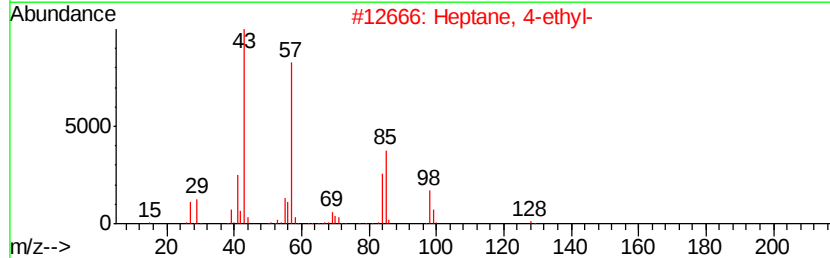
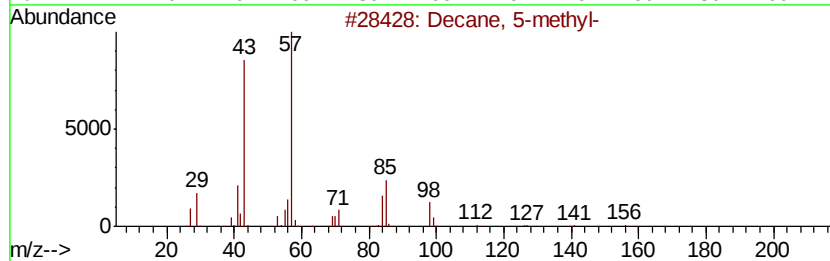
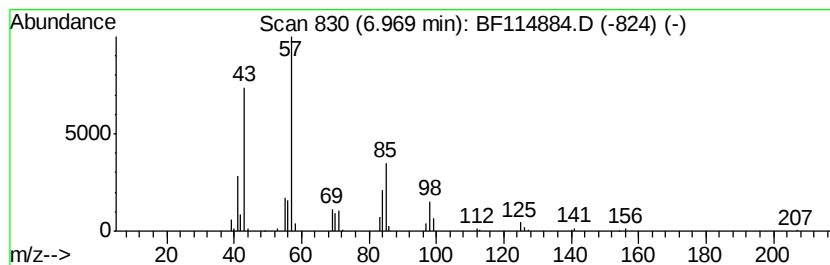
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TIC Integration Parameters: LSCINT.P

Peak Number 5 Decane, 5-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.97	3.64 ng	436625	1,4-Dichlorobenzene-d4	6.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 5-methyl-	156	C11H24	013151-35-4	62
2		Heptane, 4-ethyl-	128	C9H20	002216-32-2	53
3		Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	43
4		Tridecane, 6-methyl-	198	C14H30	013287-21-3	43
5		Nonane, 2,5-dimethyl-	156	C11H24	017302-27-1	43



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Acq On : 7 Jun 2019 1:08
Operator : HP/JU
Sample : K3153-03 2X
Misc :
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Instrument :
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ClientSampleId :
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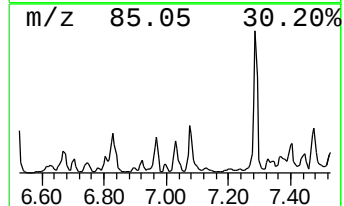
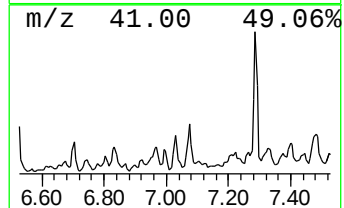
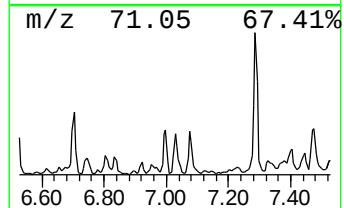
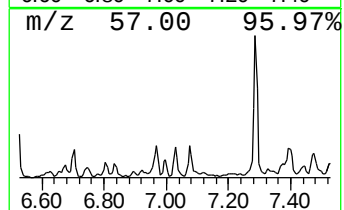
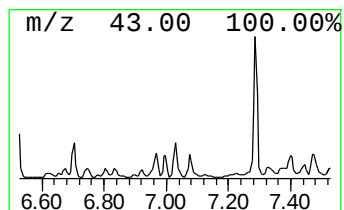
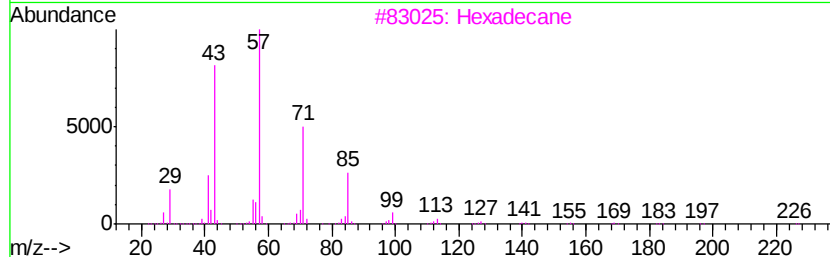
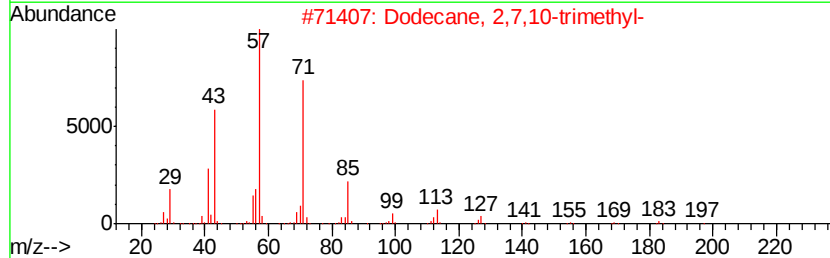
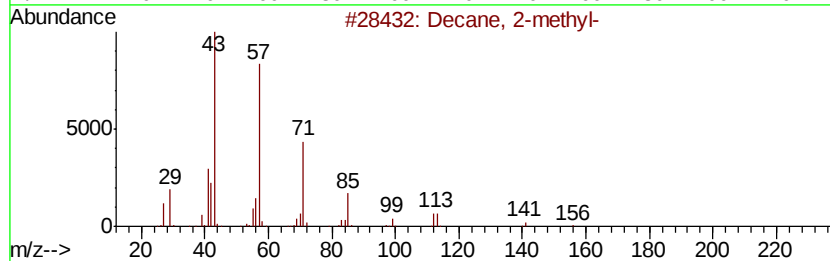
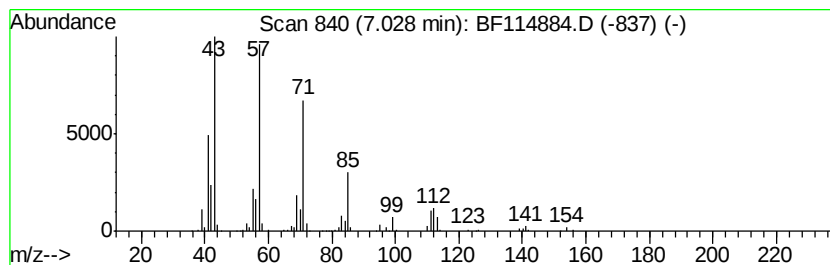
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Decane, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.03	4.64 ng	556603	1,4-Dichlorobenzene-d4	6.67

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Decane, 2-methyl-	156	C11H24	006975-98-0	87
2			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64
3			Hexadecane	226	C16H34	000544-76-3	64
4			Pentadecane, 7-methyl-	226	C16H34	006165-40-8	64
5			1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	53



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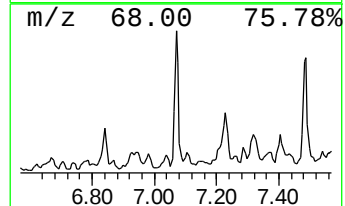
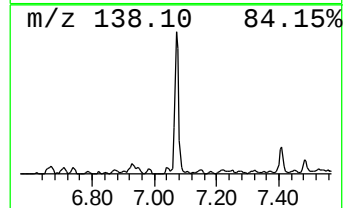
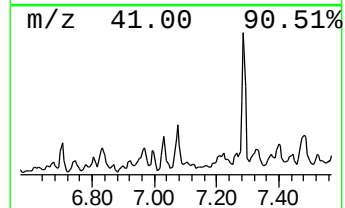
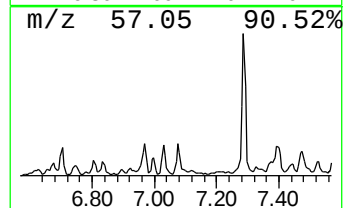
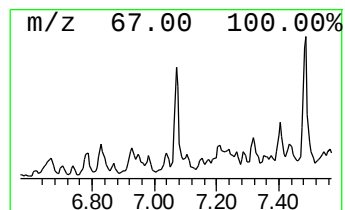
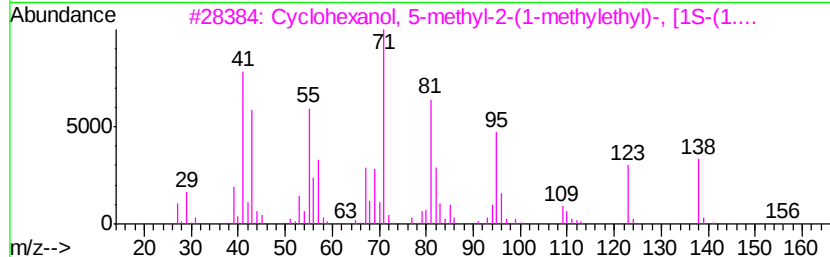
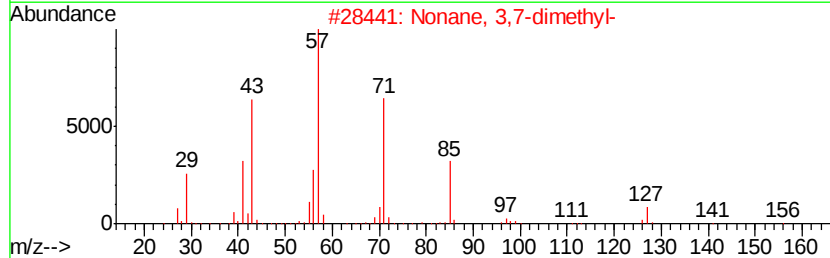
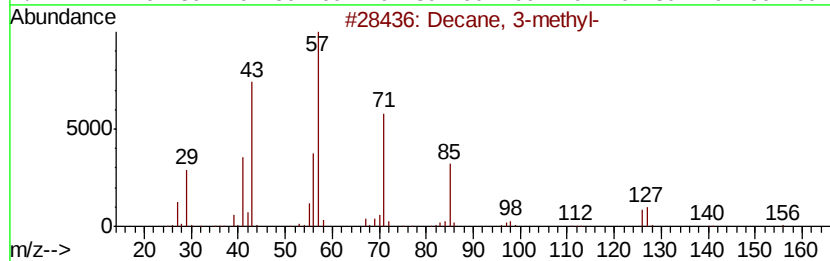
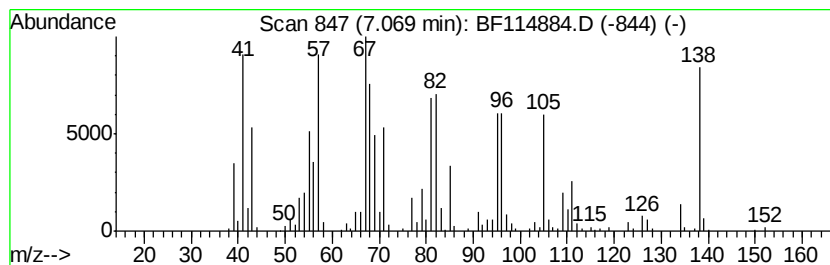
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown7.07 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.07	6.71 ng	804113	1,4-Dichlorobenzene-d4	6.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 3-methyl-	156	C11H24	013151-34-3	46
2		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	42
3		Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	002216-52-6	35
4		dl-Menthol	156	C10H20O	000089-78-1	27
5		Nonane, 1-iodo-	254	C9H19I	004282-42-2	27



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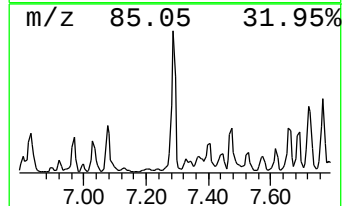
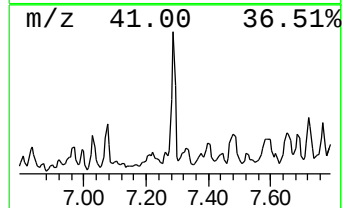
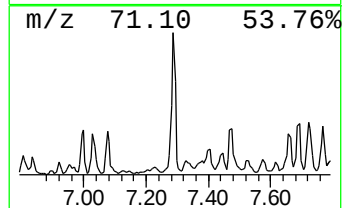
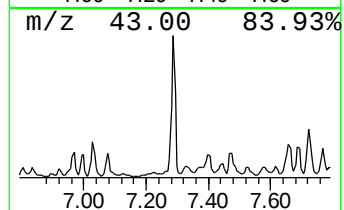
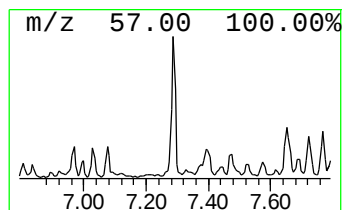
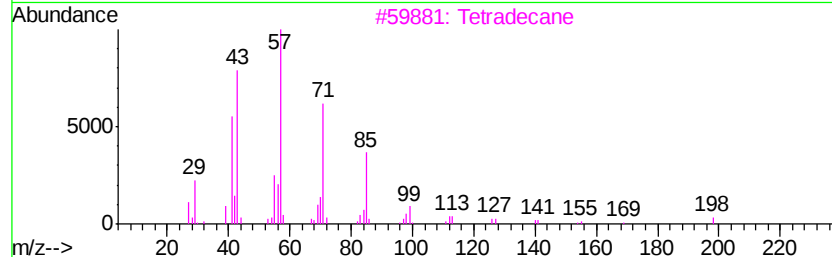
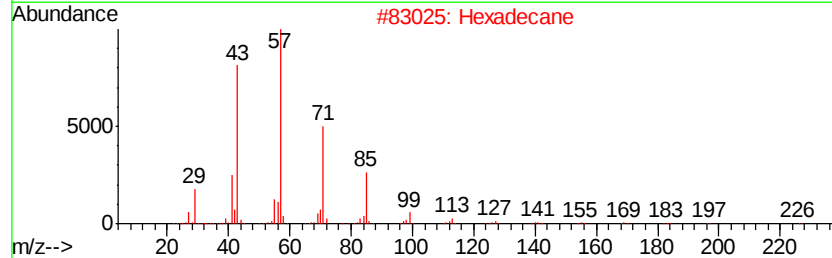
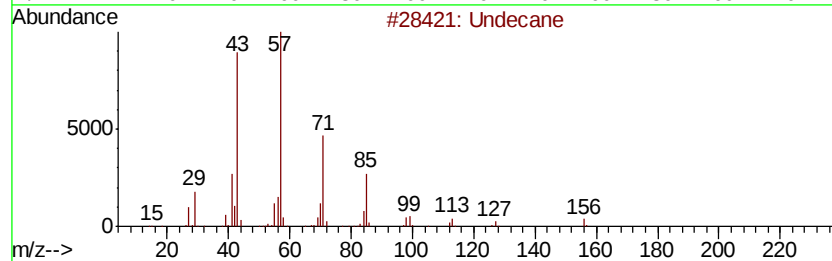
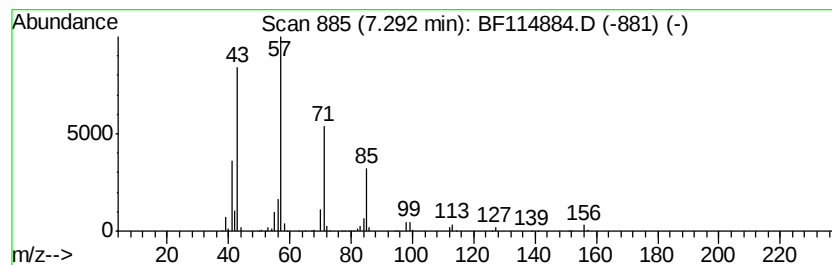
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Undecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.29	12.92 ng	1549500	1,4-Dichlorobenzene-d4	6.67

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane	156	C11H24	001120-21-4	94
2		Hexadecane	226	C16H34	000544-76-3	90
3		Tetradecane	198	C14H30	000629-59-4	90
4		Tridecane	184	C13H28	000629-50-5	86
5		Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	83



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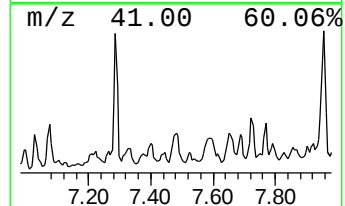
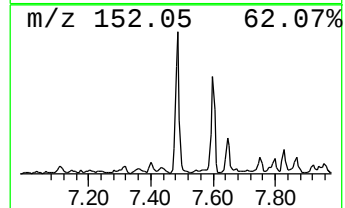
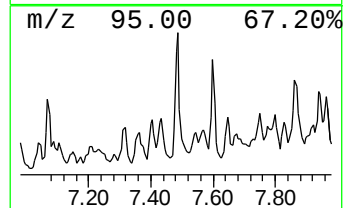
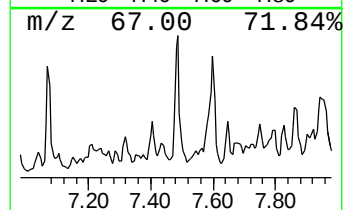
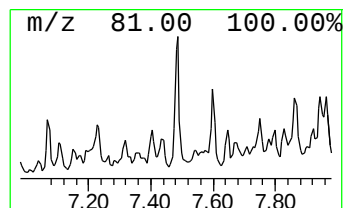
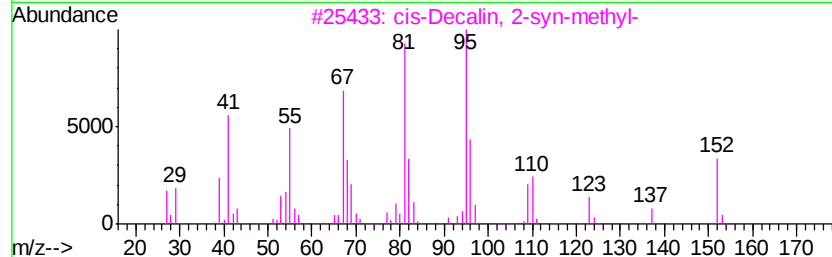
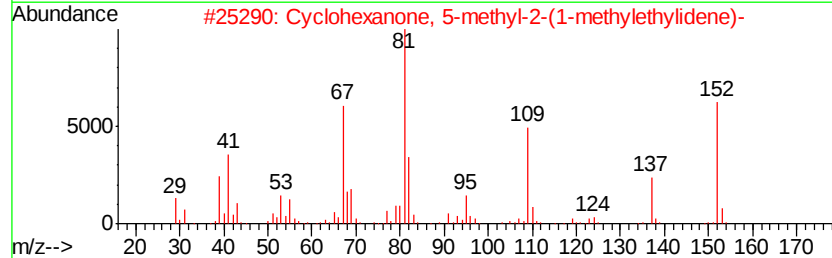
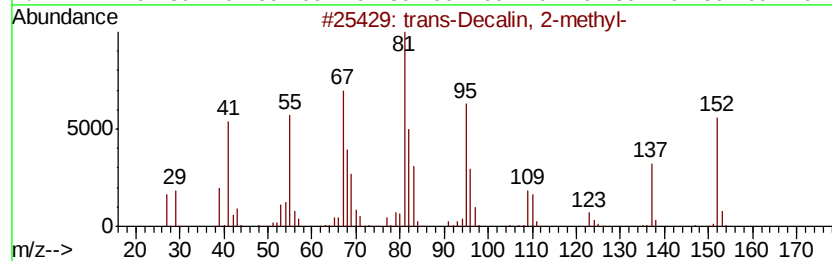
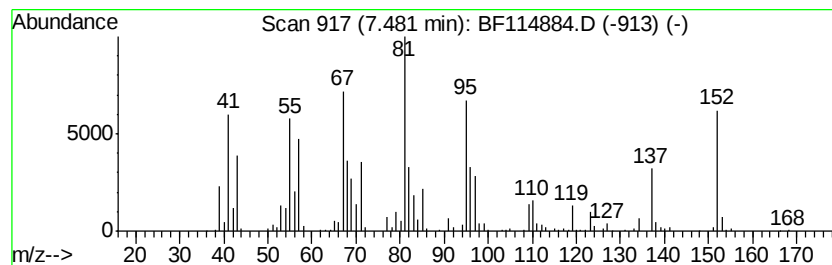
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 trans-Decalin, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.48	4.67 ng	1046550	Naphthalene-d8	7.95
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	trans-Decalin, 2-methyl-	152 C11H20	1000152-47-3	87
2	Cyclohexanone, 5-methyl-2-(1-met...	152 C10H16O	015932-80-6	58
3	cis-Decalin, 2-syn-methyl-	152 C11H20	1000155-85-6	55
4	Bicyclo[4.1.0]heptan-2-one, 3,5,...	152 C10H16O	029750-24-1	55
5	trans-4a-Methyl-decahydronaphtha...	152 C11H20	002547-27-5	55



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
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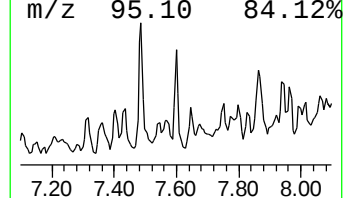
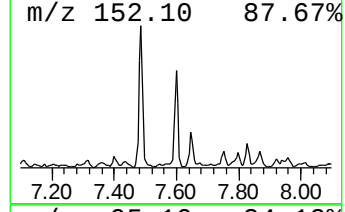
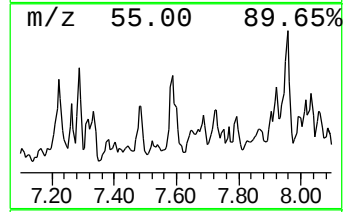
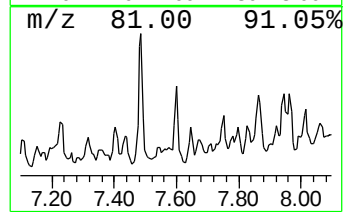
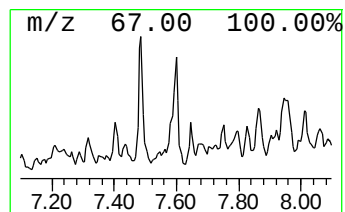
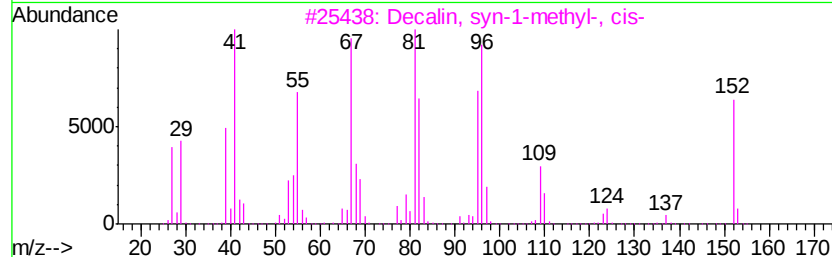
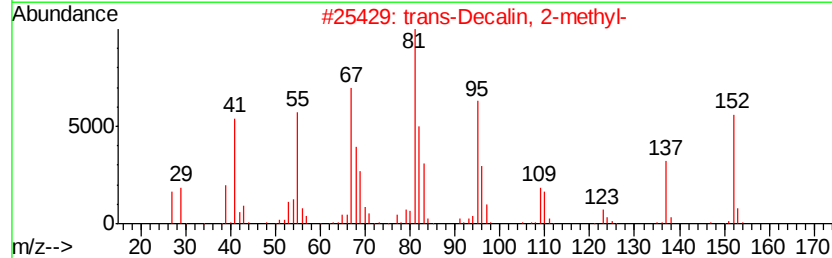
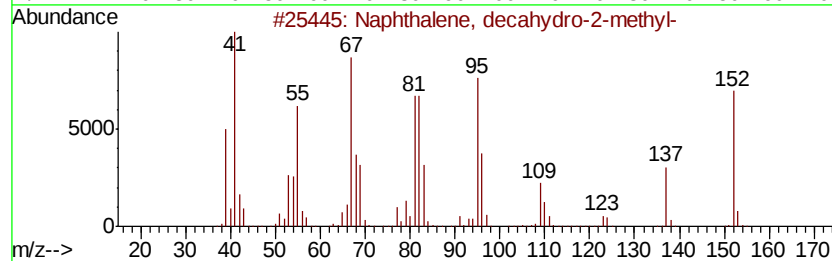
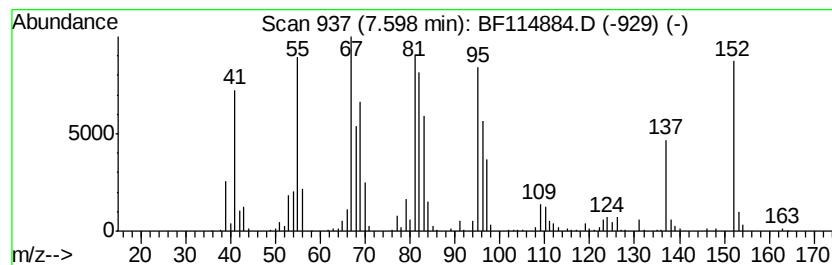
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, decahydro-2-me... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.60	4.91 ng	1099310	Naphthalene-d8	7.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	76
2		trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	74
3		Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	68
4		1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	64
5		Cycloundecene(E)	152	C11H20	013151-60-5	64



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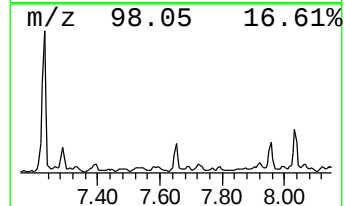
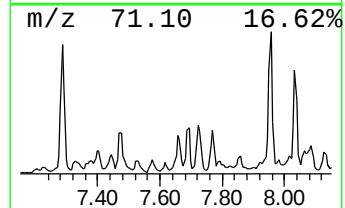
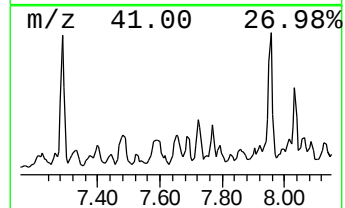
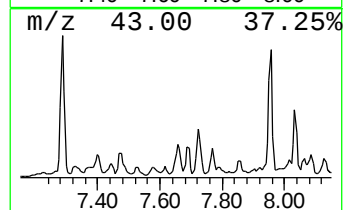
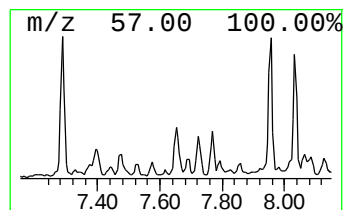
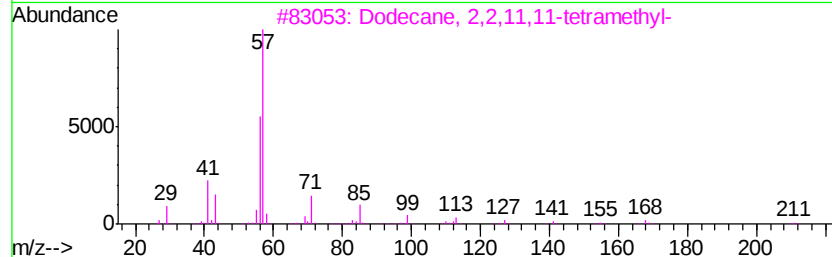
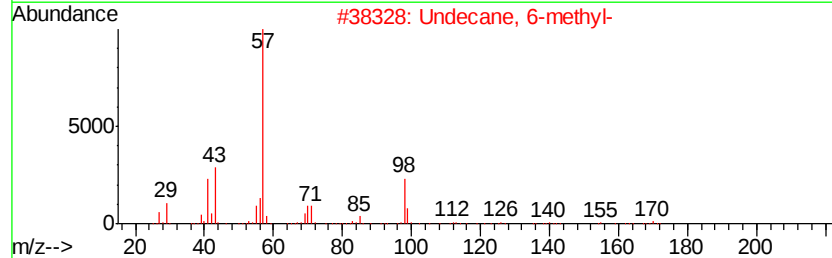
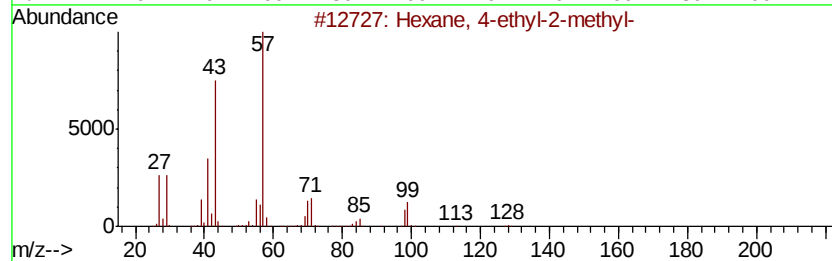
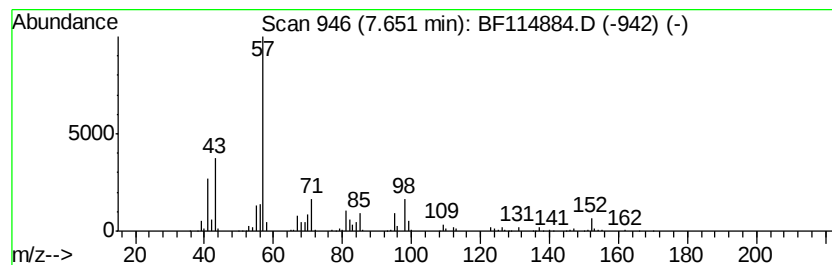
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Hexane, 4-ethyl-2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
7.65	3.67 ng	821926	Napthalene-d8	7.95	
Hit# of	5	Tentative ID	MW MolForm	CAS#	Qual
1	Hexane, 4-ethyl-2-methyl-	128	C9H20	003074-75-7	50
2	Undecane, 6-methyl-	170	C12H26	017302-33-9	43
3	Dodecane, 2,2,11,11-tetramethyl-	226	C16H34	127204-12-0	43
4	Oxalic acid, isobutyl nonyl ester	272	C15H28O4	1000309-37-4	38
5	Heptane, 2,3,5-trimethyl-	142	C10H22	020278-85-7	38



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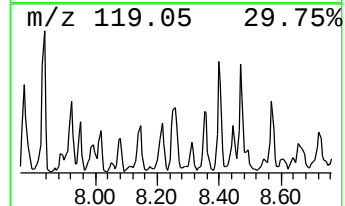
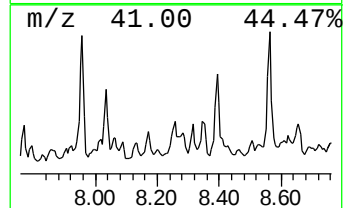
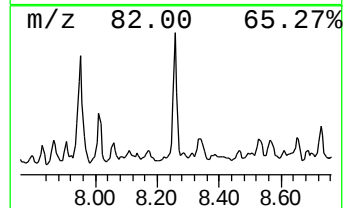
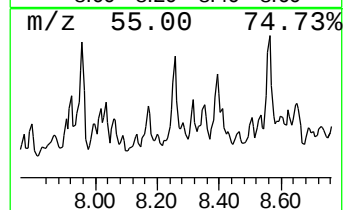
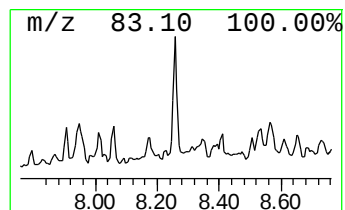
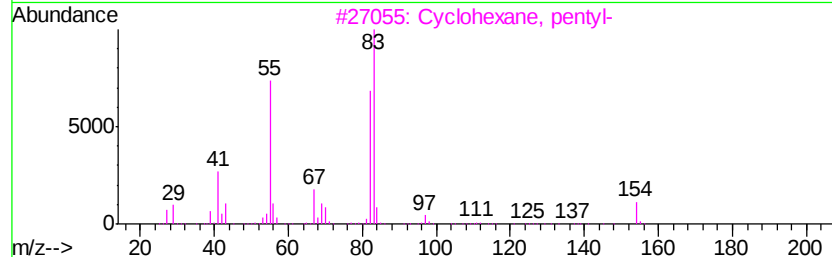
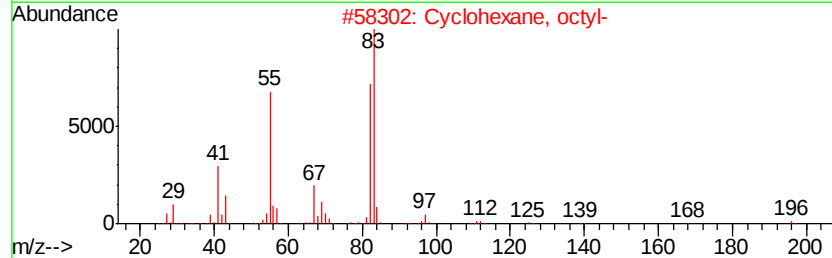
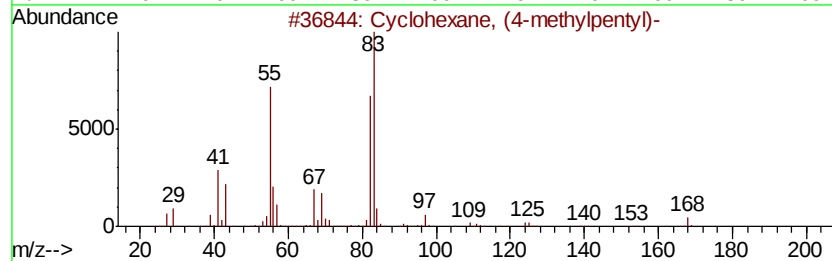
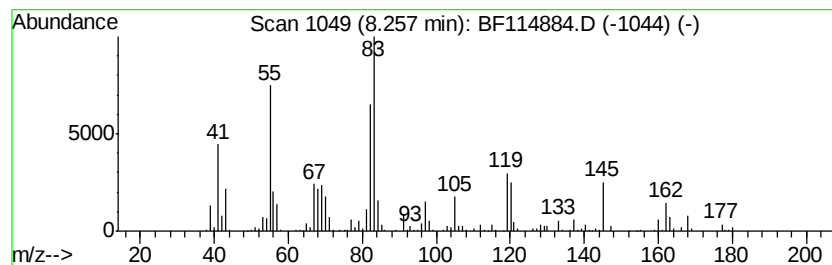
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Cyclohexane, (4-methylpentyl)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.26	5.24 ng	1174860	Naphthalene-d8	7.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	60
2		Cyclohexane, octyl-	196	C14H28	001795-15-9	47
3		Cyclohexane, pentyl-	154	C11H22	004292-92-6	47
4		Cyclohexane, 1,1'-methylenebis-	180	C13H24	003178-23-2	47
5		Cyclohexane, butyl-	140	C10H20	001678-93-9	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
Data File : BF114884.D
Acq On : 7 Jun 2019 1:08
Operator : HP/JU
Sample : K3153-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

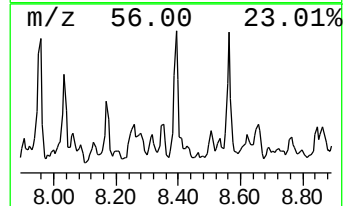
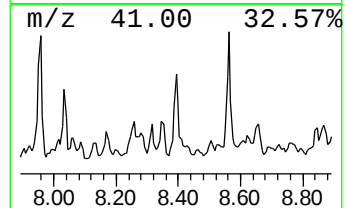
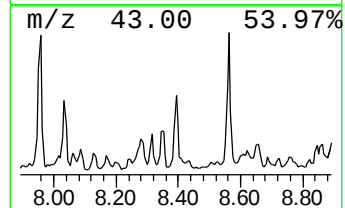
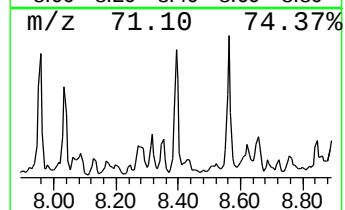
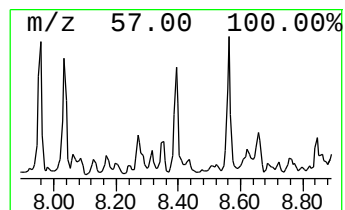
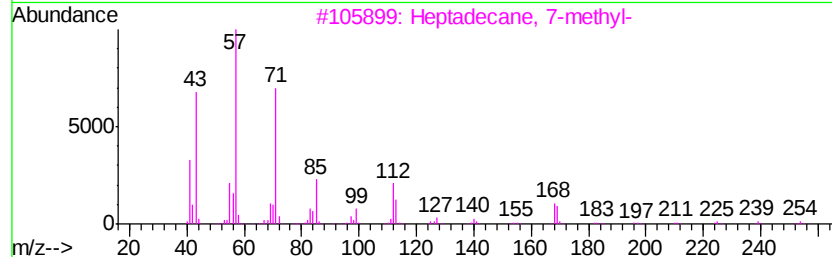
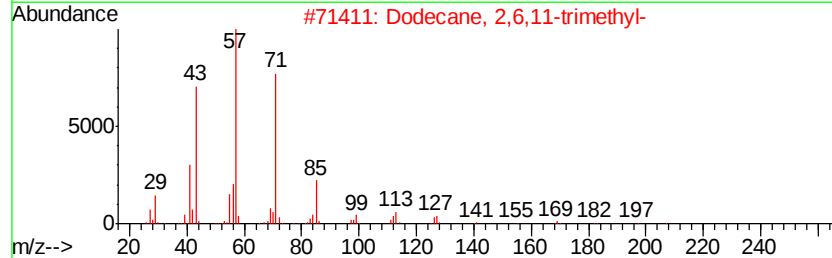
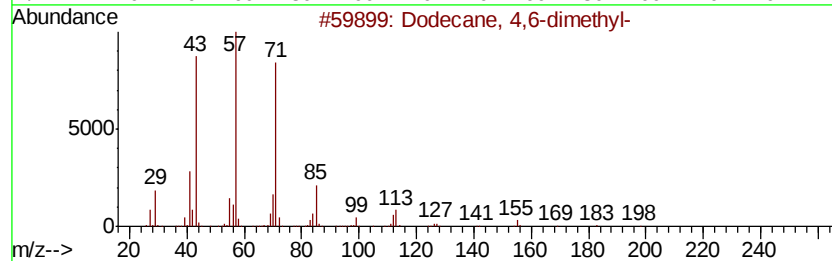
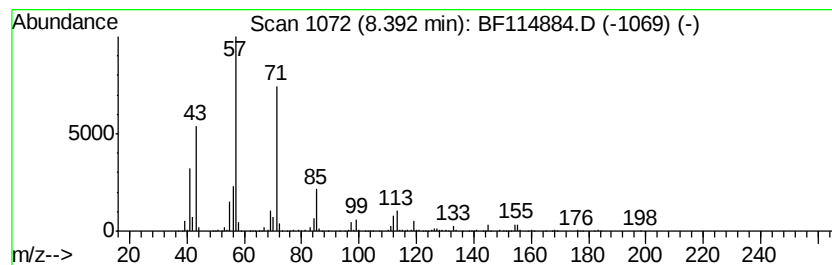
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ClientSampleId :
HR-05-060519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF060419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Dodecane, 4,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.39	7.66 ng	1717030	Napthalene-d8	7.95
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Dodecane, 4,6-dimethyl-	198 C14H30	061141-72-8	91
2	Dodecane, 2,6,11-trimethyl-	212 C15H32	031295-56-4	86
3	Heptadecane, 7-methyl-	254 C18H38	020959-33-5	72
4	Sulfurous acid, decyl 2-ethylhex...	334 C18H38O3S	1000309-19-3	72
5	Octane, 3,6-dimethyl-	142 C10H22	015869-94-0	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
Data File : BF114884.D
Acq On : 7 Jun 2019 1:08
Operator : HP/JU
Sample : K3153-03 2X
Misc :
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ClientSampleId :
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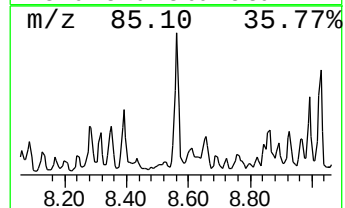
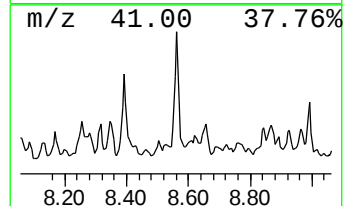
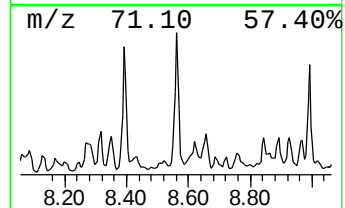
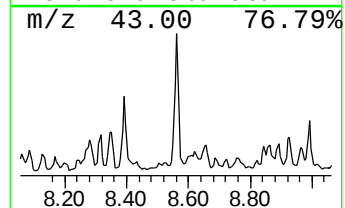
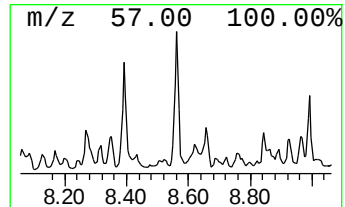
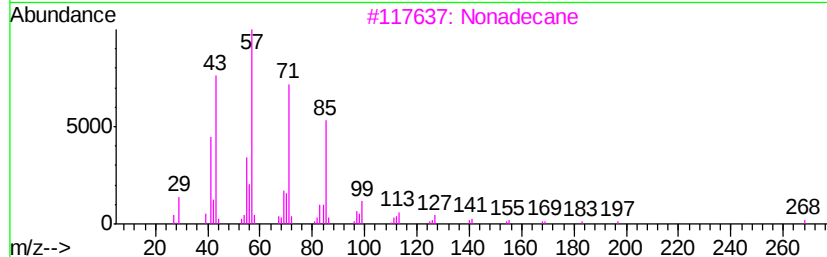
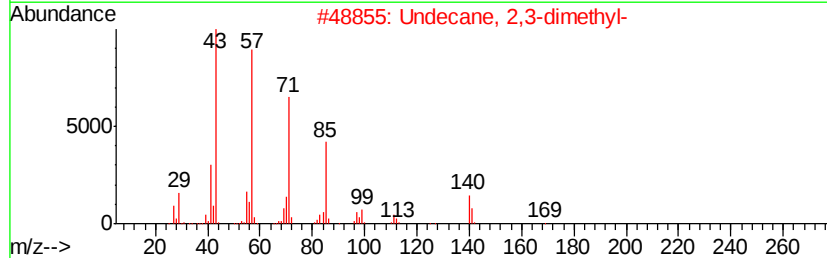
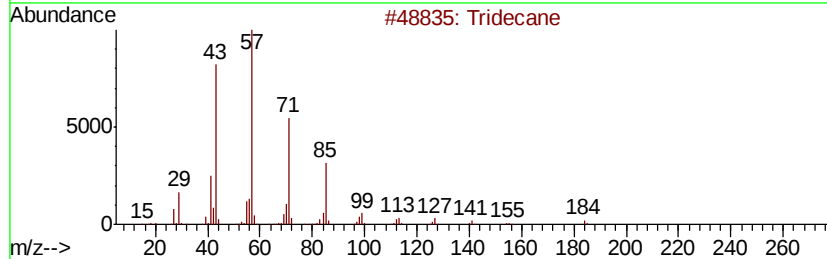
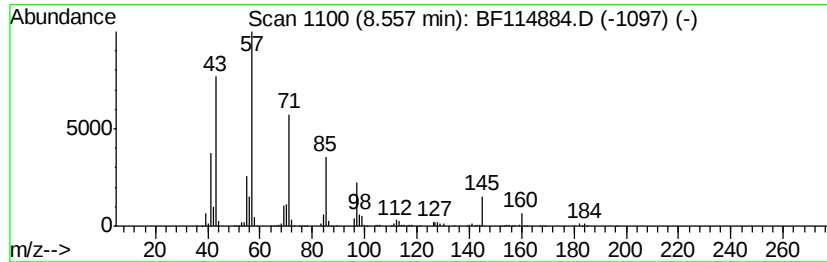
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Tridecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.56	9.34 ng	2091510	Naphthalene-d8	7.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	94
2		Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	90
3		Nonadecane	268	C19H40	000629-92-5	90
4		Hexadecane	226	C16H34	000544-76-3	86
5		Tetradecane	198	C14H30	000629-59-4	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
Data File : BF114884.D
Acq On : 7 Jun 2019 1:08
Operator : HP/JU
Sample : K3153-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

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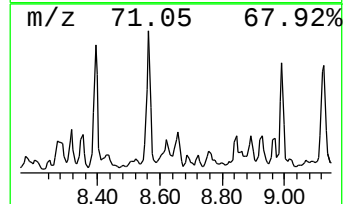
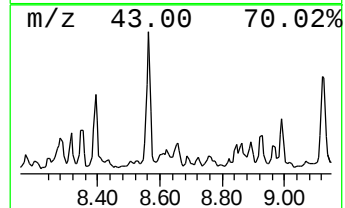
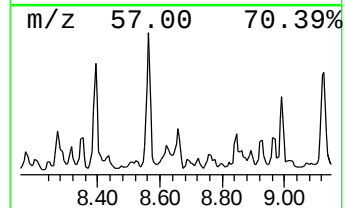
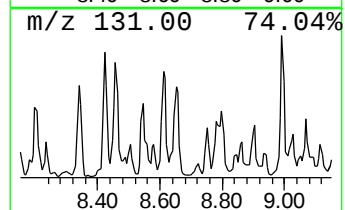
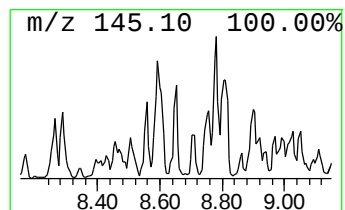
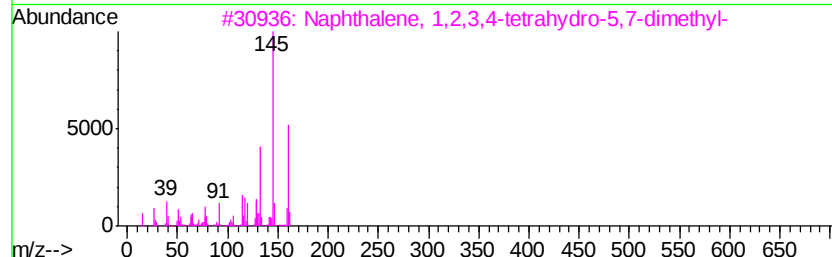
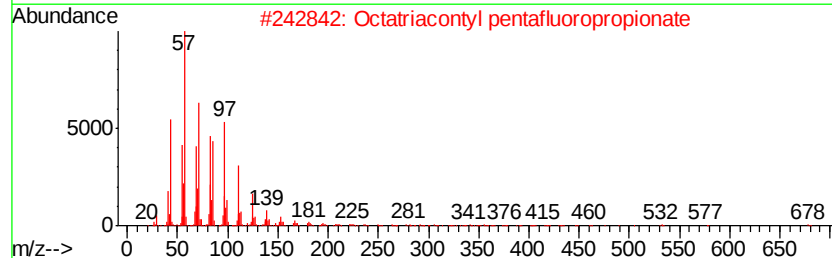
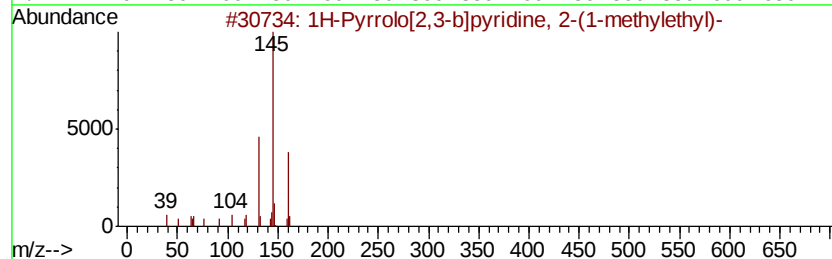
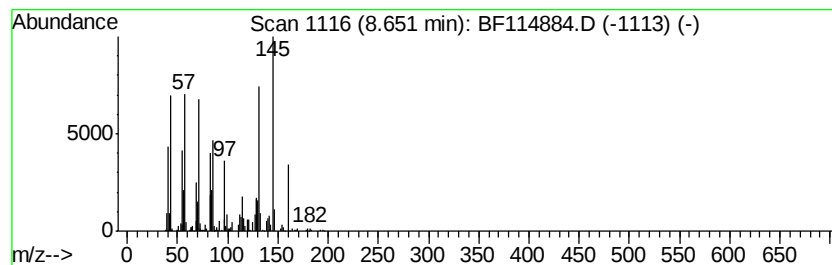
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown8.65 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	4.44 ng	995102	Naphthalene-d8	7.95

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Pyrrolo[2,3-b]pyridine, 2-(1-...	160	C10H12N2	027257-18-7	22
2			Octatriacontyl pentafluoropropio...	697	C41H77F5O2	1000351-89-1	22
3			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	18
4			1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	18
5			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	18



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
Data File : BF114884.D
Acq On : 7 Jun 2019 1:08
Operator : HP/JU
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Misc :
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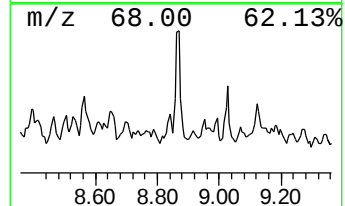
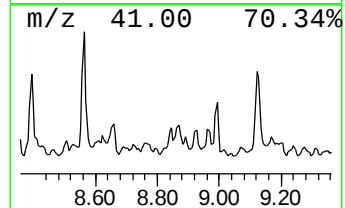
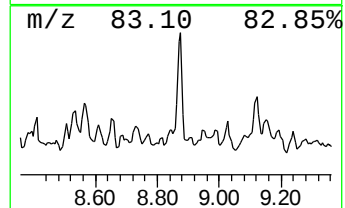
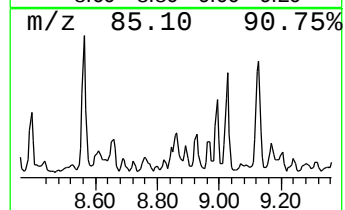
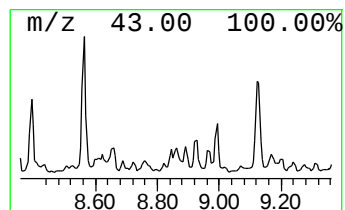
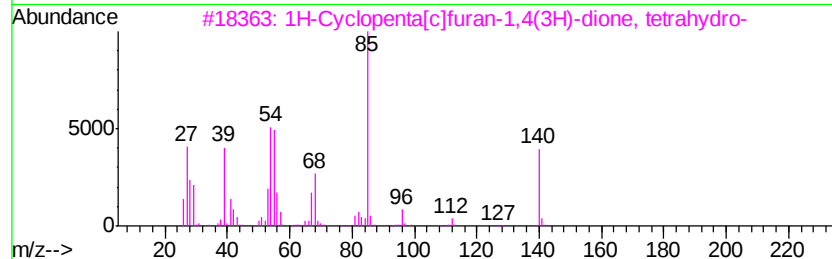
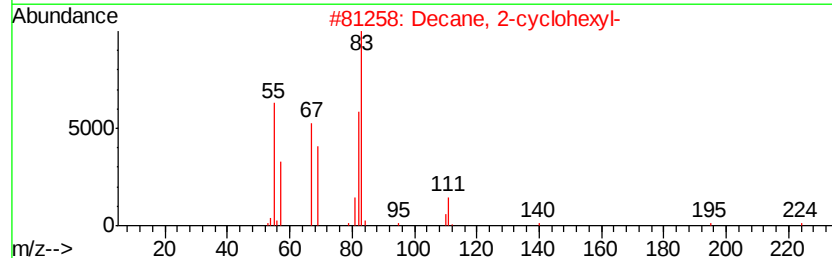
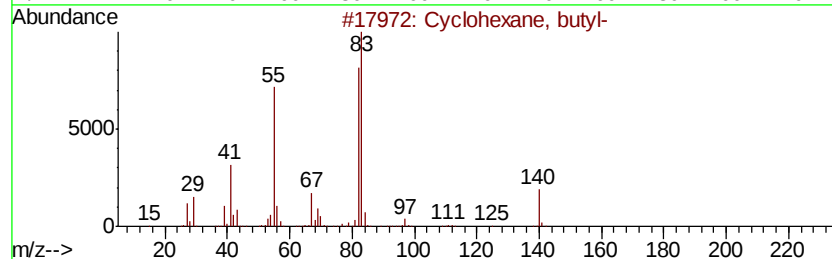
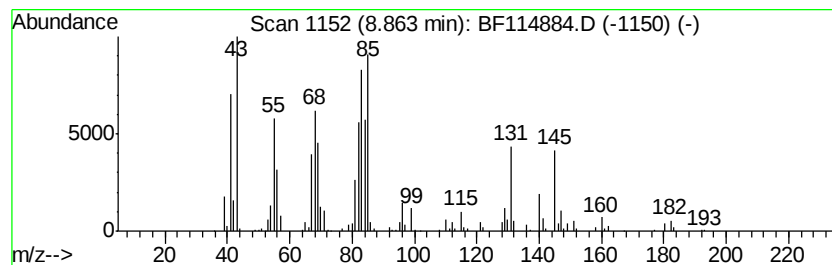
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown8.86 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.86	3.76 ng	586806	Acenaphthene-d10	9.70

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, butyl-	140	C10H20	001678-93-9	25
2			Decane, 2-cyclohexyl-	224	C16H32	013151-73-0	22
3			1H-Cyclopenta[c]furan-1,4(3H)-di...	140	C7H8O3	127708-95-6	14
4			4-Heptenal, (Z)-	112	C7H12O	006728-31-0	14
5			Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	14



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
Data File : BF114884.D
Acq On : 7 Jun 2019 1:08
Operator : HP/JU
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Misc :
ALS Vial : 21 Sample Multiplier: 1

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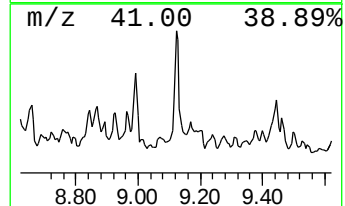
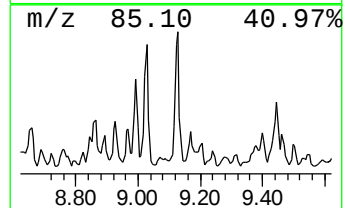
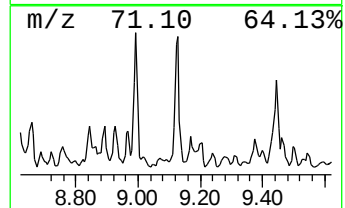
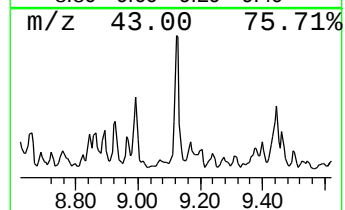
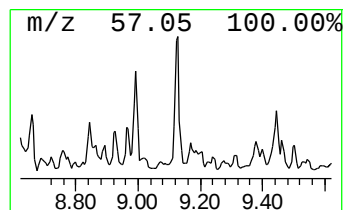
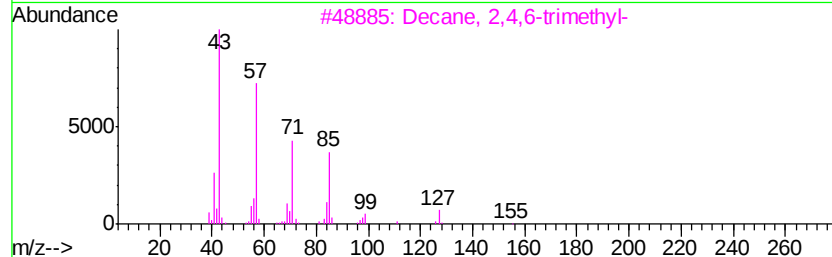
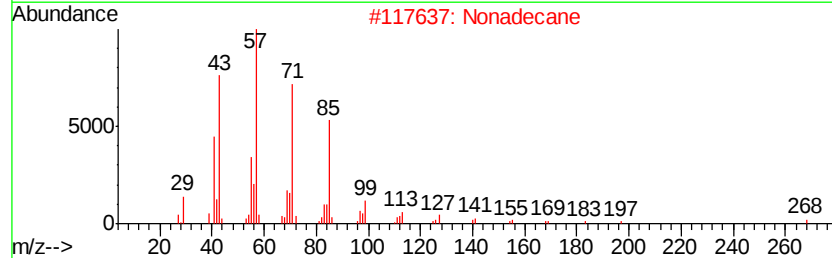
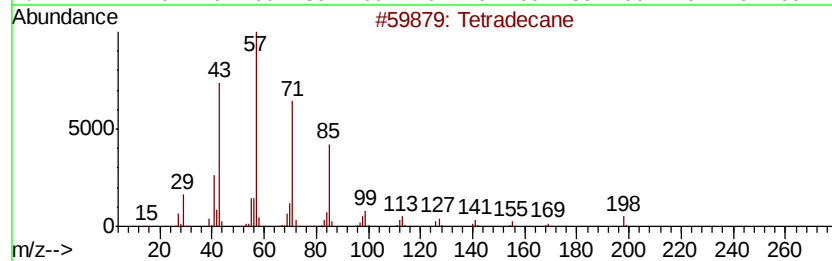
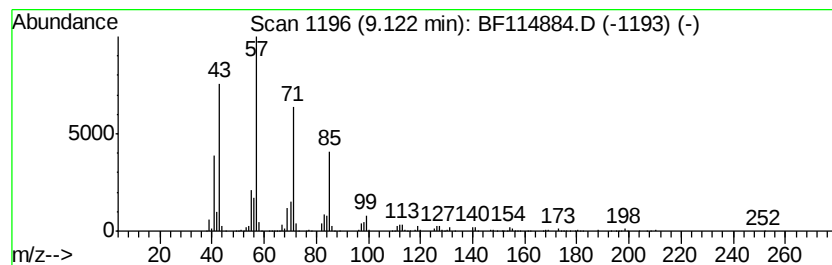
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Tetradecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.12	10.92 ng	1705540	Acenaphthene-d10	9.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	93
2		Nonadecane	268	C19H40	000629-92-5	91
3		Decane, 2,4,6-trimethyl-	184	C13H28	062108-27-4	90
4		Hexadecane	226	C16H34	000544-76-3	90
5		9-methylheptadecane	254	C18H38	026741-18-4	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
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ALS Vial : 21 Sample Multiplier: 1

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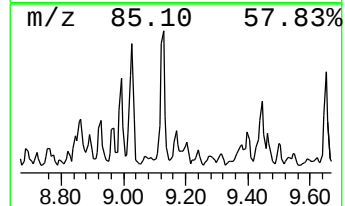
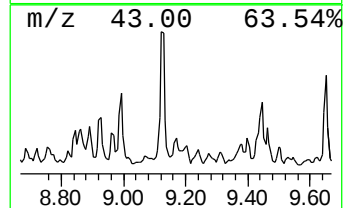
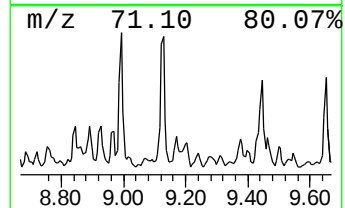
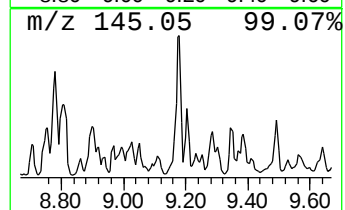
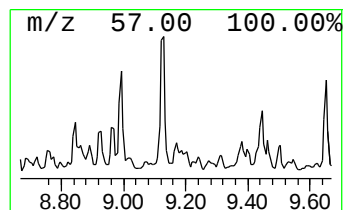
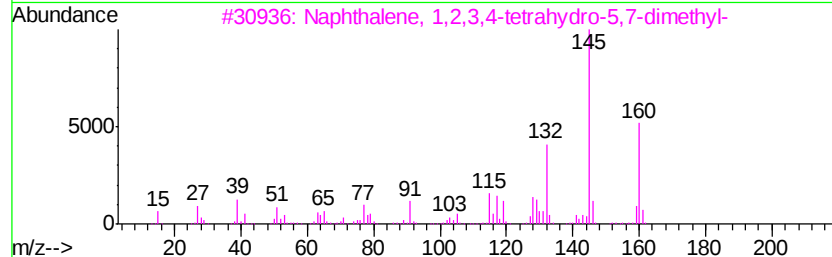
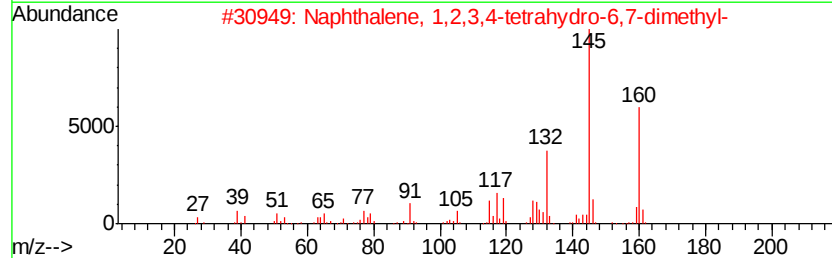
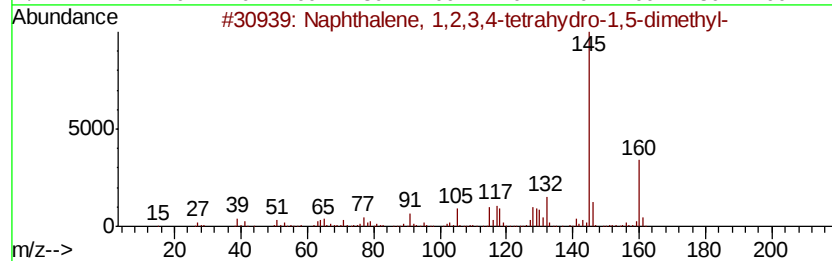
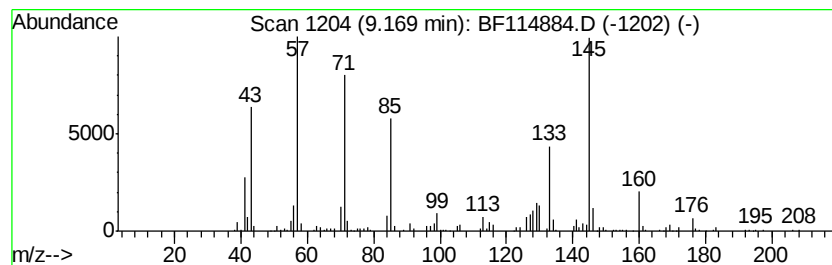
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Naphthalene, 1,2,3,4-tetra... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.17	5.33 ng	832029	Acenaphthene-d10	9.70

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	76
2		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	70
3		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	70
4		1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	70
5		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	68



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
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 Sample : K3153-03 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 HR-05-060519-B

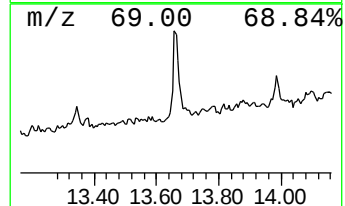
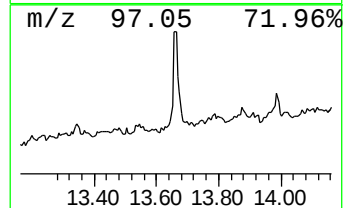
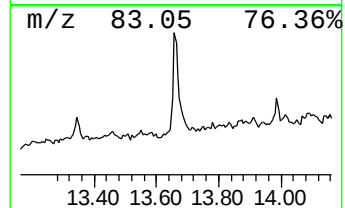
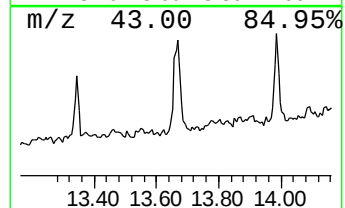
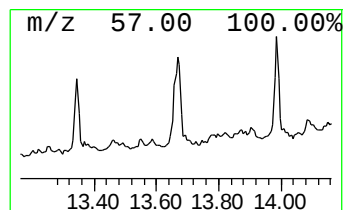
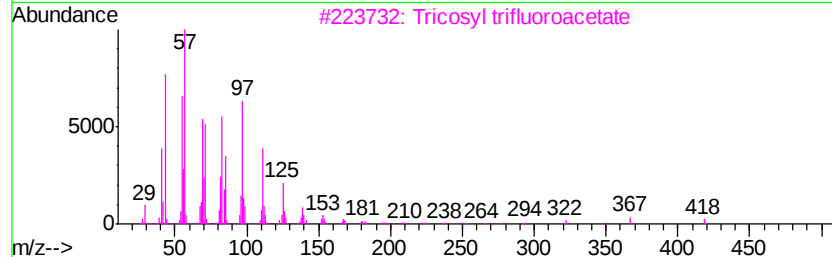
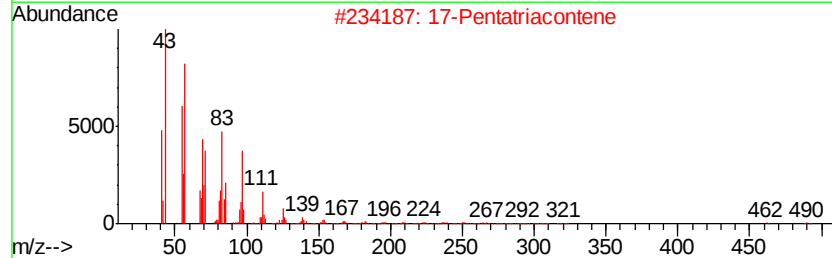
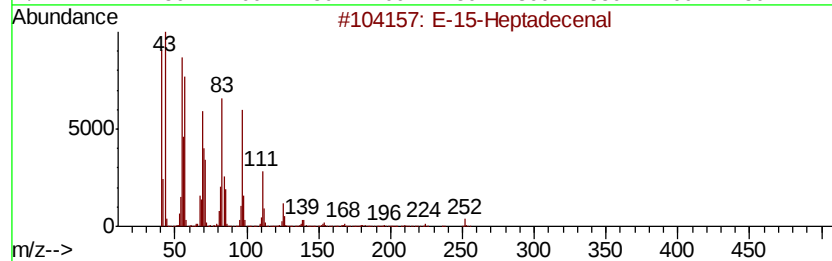
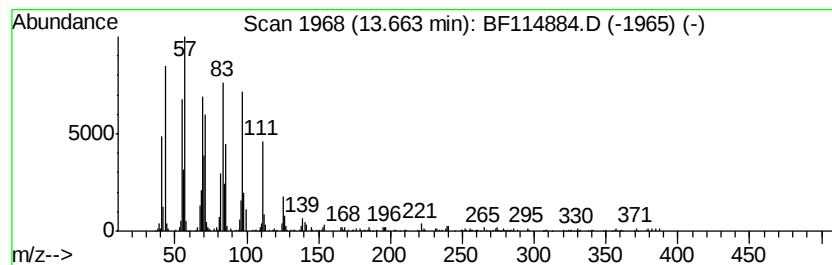
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 19 E-15-Heptadecenal Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.66	4.23 ng	493422	Chrysene-d12	13.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	E-15-Heptadecenal	252	C17H32O	1000130-97-9	94
2		17-Pentatriacontene	491	C35H70	006971-40-0	91
3		Tricosyl trifluoroacetate	436	C25H47F3O2	1000351-75-1	91
4		Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	87
5		Hexacosyl trifluoroacetate	478	C28H53F3O2	1000351-75-0	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060619\
Data File : BF114884.D
Acq On : 7 Jun 2019 1:08
Operator : HP/JU
Sample : K3153-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

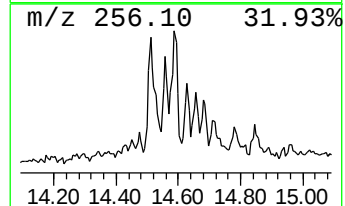
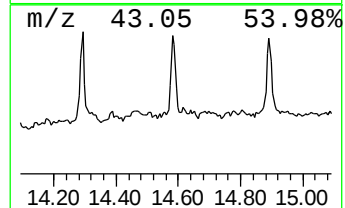
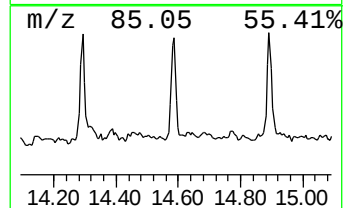
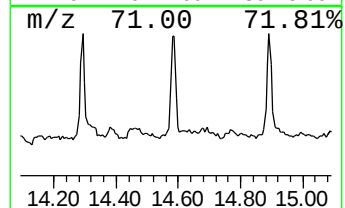
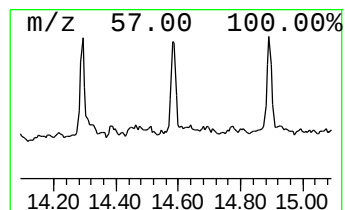
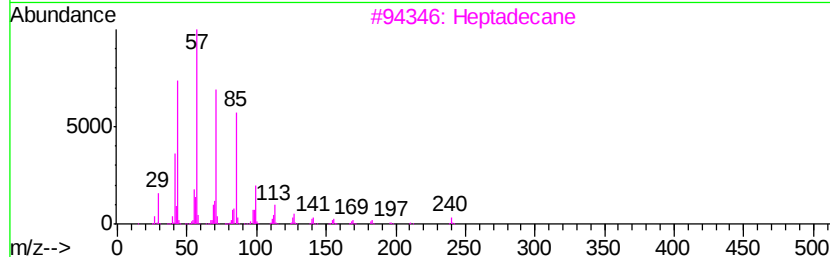
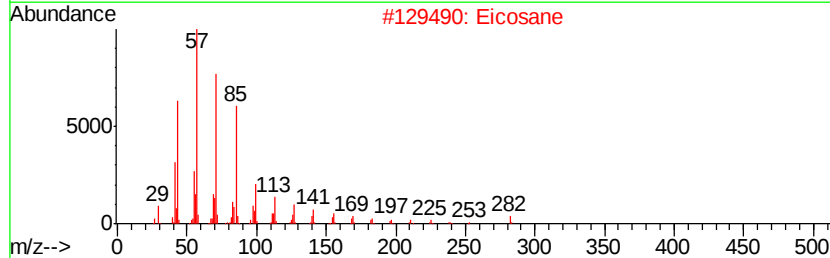
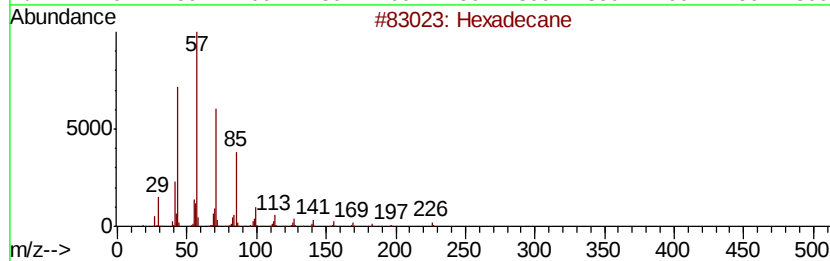
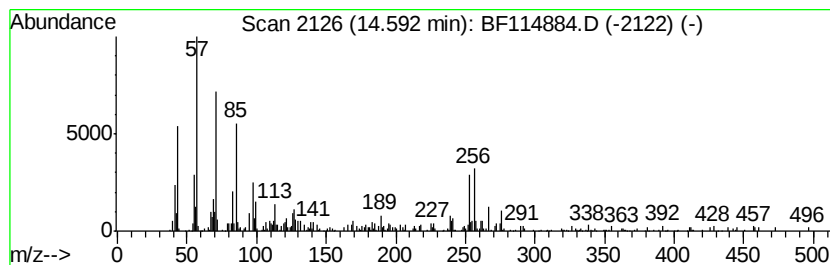
Instrument :
BNA_F
ClientSampleId :
HR-05-060519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF060419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Hexadecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	3.80 ng	333459	Perylene-d12	15.18
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Hexadecane	226 C16H34	000544-76-3	95
2	Eicosane	282 C20H42	000112-95-8	93
3	Heptadecane	240 C17H36	000629-78-7	91
4	Heneicosane	296 C21H44	000629-94-7	90
5	Octadecane, 2-methyl-	268 C19H40	001560-88-9	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF060619\
 Data File : BF114884.D
 Acq On : 7 Jun 2019 1:08
 Operator : HP/JU
 Sample : K3153-03 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-060519-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.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
unknown6.44	6.44	38.4	ng	4598090	1	6.67	2398270	20.0
Decane	6.52	6.9	ng	822614	1	6.67	2398270	20.0
Decane, 5-methyl-	6.97	3.6	ng	436625	1	6.67	2398270	20.0
Decane, 2-methyl-	7.03	4.6	ng	556603	1	6.67	2398270	20.0
unknown7.07	7.07	6.7	ng	804113	1	6.67	2398270	20.0
Undecane	7.29	12.9	ng	1549500	1	6.67	2398270	20.0
trans-Decalin, 2-...	7.48	4.7	ng	1046550	2	7.95	4480780	20.0
Naphthalene, deca...	7.60	4.9	ng	1099310	2	7.95	4480780	20.0
Hexane, 4-ethyl-2...	7.65	3.7	ng	821926	2	7.95	4480780	20.0
Cyclohexane, (4-m...	8.26	5.2	ng	1174860	2	7.95	4480780	20.0
Dodecane, 4,6-dim...	8.39	7.7	ng	1717030	2	7.95	4480780	20.0
Tridecane	8.56	9.3	ng	2091510	2	7.95	4480780	20.0
unknown8.65	8.65	4.4	ng	995102	2	7.95	4480780	20.0
unknown8.86	8.86	3.8	ng	586806	3	9.70	3123750	20.0
Tetradecane	9.12	10.9	ng	1705540	3	9.70	3123750	20.0
Naphthalene, 1,2,...	9.17	5.3	ng	832029	3	9.70	3123750	20.0
E-15-Heptadecenal	13.66	4.2	ng	493422	5	13.79	2330770	20.0
Hexadecane	14.59	3.8	ng	333459	6	15.18	1756080	20.0