

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111517\
 Data File : BF100582.D
 Acq On : 15 Nov 2017 12:35
 Operator : SJ/JU
 Sample : I6441-03 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-11A-11B

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0
 Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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	5.093	508	511	517	rBV2	101027	115423	8.82%	0.376%
2	5.487	569	578	582	rBV	607970	601293	45.96%	1.961%
3	5.793	627	630	635	rVB	113831	108208	8.27%	0.353%
4	6.128	682	687	694	rBV2	116257	190389	14.55%	0.621%
5	6.322	714	720	722	rBV2	64214	82093	6.27%	0.268%
6	6.410	732	735	738	rBV3	216930	257062	19.65%	0.838%
7	6.469	742	745	746	rBV	92120	77345	5.91%	0.252%
8	6.493	746	749	754	rVV	601561	603354	46.12%	1.968%
9	6.645	767	775	782	rVB	710130	764676	58.45%	2.494%
10	6.716	782	787	790	rBV2	672699	696564	53.24%	2.272%
11	6.881	812	815	819	rVV2	935099	1002735	76.65%	3.271%
12	6.940	821	825	827	rVV2	153885	137336	10.50%	0.448%
13	7.034	837	841	844	rBV2	526565	619728	47.37%	2.021%
14	7.104	851	853	856	rBV2	68501	73925	5.65%	0.241%
15	7.151	856	861	864	rVB2	325301	326561	24.96%	1.065%
16	7.181	864	866	868	rBV	157485	150394	11.50%	0.491%
17	7.216	870	872	876	rVB	241500	202818	15.50%	0.662%
18	7.263	876	880	881	rBV	223699	202554	15.48%	0.661%
19	7.304	885	887	892	rVB4	71575	81801	6.25%	0.267%
20	7.416	900	906	908	rBV3	245605	359390	27.47%	1.172%
21	7.440	908	910	912	rVV	398876	321828	24.60%	1.050%
22	7.475	912	916	920	rVB	1486193	1308280	100.00%	4.267%
23	7.528	920	925	928	rBV4	207059	297650	22.75%	0.971%
24	7.587	928	935	938	rBV5	181314	329512	25.19%	1.075%
25	7.657	944	947	949	rVV	180449	181294	13.86%	0.591%
26	7.675	949	950	955	rVB3	132246	163960	12.53%	0.535%
27	7.763	960	965	966	rBV4	72279	94923	7.26%	0.310%
28	7.781	966	968	970	rVV	198914	146453	11.19%	0.478%
29	7.804	970	972	975	rVV2	190024	169425	12.95%	0.553%
30	7.839	975	978	981	rVB2	187876	239291	18.29%	0.780%
31	7.875	981	984	986	rBV3	218735	185078	14.15%	0.604%
32	7.904	986	989	995	rVB3	403621	456420	34.89%	1.489%
33	7.951	995	997	999	rBV	174939	139302	10.65%	0.454%
34	8.004	1004	1006	1008	rVB	125316	89675	6.85%	0.292%

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35	8.034	1008	1011	1014	rVB2	118831	127802	9.77%	0.417%
36	8.110	1019	1024	1026	rBV3	105205	152894	11.69%	0.499%
37	8.139	1026	1029	1031	rVV	1420535	1261844	96.45%	4.116%
38	8.163	1031	1033	1036	rVV	1131687	989807	75.66%	3.228%
39	8.187	1036	1037	1039	rVV2	150079	94428	7.22%	0.308%
40	8.222	1039	1043	1045	rVB	749103	712568	54.47%	2.324%
41	8.251	1045	1048	1050	rBV3	155482	162028	12.38%	0.528%
42	8.316	1056	1059	1061	rBV2	93267	105174	8.04%	0.343%
43	8.339	1061	1063	1064	rVV2	84381	71970	5.50%	0.235%
44	8.363	1064	1067	1072	rVV2	196040	271110	20.72%	0.884%
45	8.451	1078	1082	1087	rVV5	390280	553925	42.34%	1.807%
46	8.504	1088	1091	1094	rVV3	191895	243755	18.63%	0.795%
47	8.534	1094	1096	1100	rVV2	328782	361622	27.64%	1.179%
48	8.581	1100	1104	1106	rVV	907607	792360	60.57%	2.584%
49	8.604	1106	1108	1110	rVV	183116	184538	14.11%	0.602%
50	8.628	1110	1112	1116	rVV4	106513	121386	9.28%	0.396%
51	8.669	1116	1119	1121	rVV	257222	226968	17.35%	0.740%
52	8.704	1121	1125	1127	rVV2	182472	219629	16.79%	0.716%
53	8.751	1130	1133	1137	rVV	844152	811269	62.01%	2.646%
54	8.786	1137	1139	1141	rVV2	122819	158370	12.11%	0.517%
55	8.822	1141	1145	1147	rVV4	202406	316224	24.17%	1.031%
56	8.845	1147	1149	1152	rVV2	239762	244799	18.71%	0.798%
57	8.875	1152	1154	1156	rVV	135013	111050	8.49%	0.362%
58	8.910	1158	1160	1162	rVV2	116623	98344	7.52%	0.321%
59	8.939	1162	1165	1167	rVV3	105162	137032	10.47%	0.447%
60	8.981	1169	1172	1175	rVV2	175308	243341	18.60%	0.794%
61	9.034	1178	1181	1182	rVV2	143033	164122	12.54%	0.535%
62	9.069	1185	1187	1191	rVV4	182622	269782	20.62%	0.880%
63	9.110	1191	1194	1199	rVV3	202851	289301	22.11%	0.944%
64	9.151	1199	1201	1203	rVV	180600	168728	12.90%	0.550%
65	9.181	1203	1206	1211	rVV	590917	572184	43.74%	1.866%
66	9.234	1212	1215	1220	rVB	694061	589228	45.04%	1.922%
67	9.316	1225	1229	1234	rVV	513572	598870	45.78%	1.953%
68	9.357	1234	1236	1237	rVV	79880	74029	5.66%	0.241%
69	9.386	1239	1241	1244	rVV2	117804	111858	8.55%	0.365%
70	9.504	1257	1261	1266	rVV4	106869	181499	13.87%	0.592%
71	9.551	1266	1269	1270	rVV2	67196	81238	6.21%	0.265%

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72	9.575	1270	1273	1275	rVV3	160489	203284	15.54%	0.663%
73	9.598	1275	1277	1279	rVV2	125930	127105	9.72%	0.415%
74	9.633	1279	1283	1286	rVV3	517351	597393	45.66%	1.949%
75	9.657	1286	1287	1290	rVV3	91406	74211	5.67%	0.242%
76	9.692	1290	1293	1295	rVV2	143320	124434	9.51%	0.406%
77	9.781	1305	1308	1311	rBV2	86047	101151	7.73%	0.330%
78	9.839	1314	1318	1323	rVB	191421	217895	16.66%	0.711%
79	9.922	1323	1332	1335	rBV	1004666	1054029	80.57%	3.438%
80	10.075	1353	1358	1360	rBV5	58290	91800	7.02%	0.299%
81	10.157	1369	1372	1377	rVV3	94805	136634	10.44%	0.446%
82	10.339	1401	1403	1406	rVV	123563	89126	6.81%	0.291%
83	10.463	1418	1424	1429	rBV5	61479	114938	8.79%	0.375%
84	10.563	1436	1441	1446	rVB	131561	178764	13.66%	0.583%
85	10.628	1447	1452	1454	rVB3	71408	90357	6.91%	0.295%
86	10.704	1462	1465	1468	rVB	319573	288173	22.03%	0.940%
87	10.828	1481	1486	1490	rBV	171328	202086	15.45%	0.659%
88	11.292	1562	1565	1571	rVB2	88394	109824	8.39%	0.358%
89	11.404	1580	1584	1586	rBV	974012	826670	63.19%	2.696%
90	11.428	1586	1588	1591	rVV	211374	173331	13.25%	0.565%
91	12.016	1684	1688	1690	rVV2	87927	98717	7.55%	0.322%
92	12.616	1787	1790	1793	rBV	340202	268953	20.56%	0.877%
93	12.845	1823	1829	1835	rBV	286446	331785	25.36%	1.082%
94	12.980	1846	1852	1859	rBV	380537	366346	28.00%	1.195%
95	14.039	2027	2032	2035	rBV2	787297	825919	63.13%	2.694%
96	14.063	2035	2036	2039	rVB	124857	75317	5.76%	0.246%
97	15.080	2205	2209	2212	rBV	127393	190946	14.60%	0.623%
98	15.386	2258	2261	2268	rVB	95539	116101	8.87%	0.379%
99	15.451	2268	2272	2277	rBV	125160	161902	12.38%	0.528%
100	15.515	2279	2283	2291	rVB2	547183	770109	58.86%	2.512%

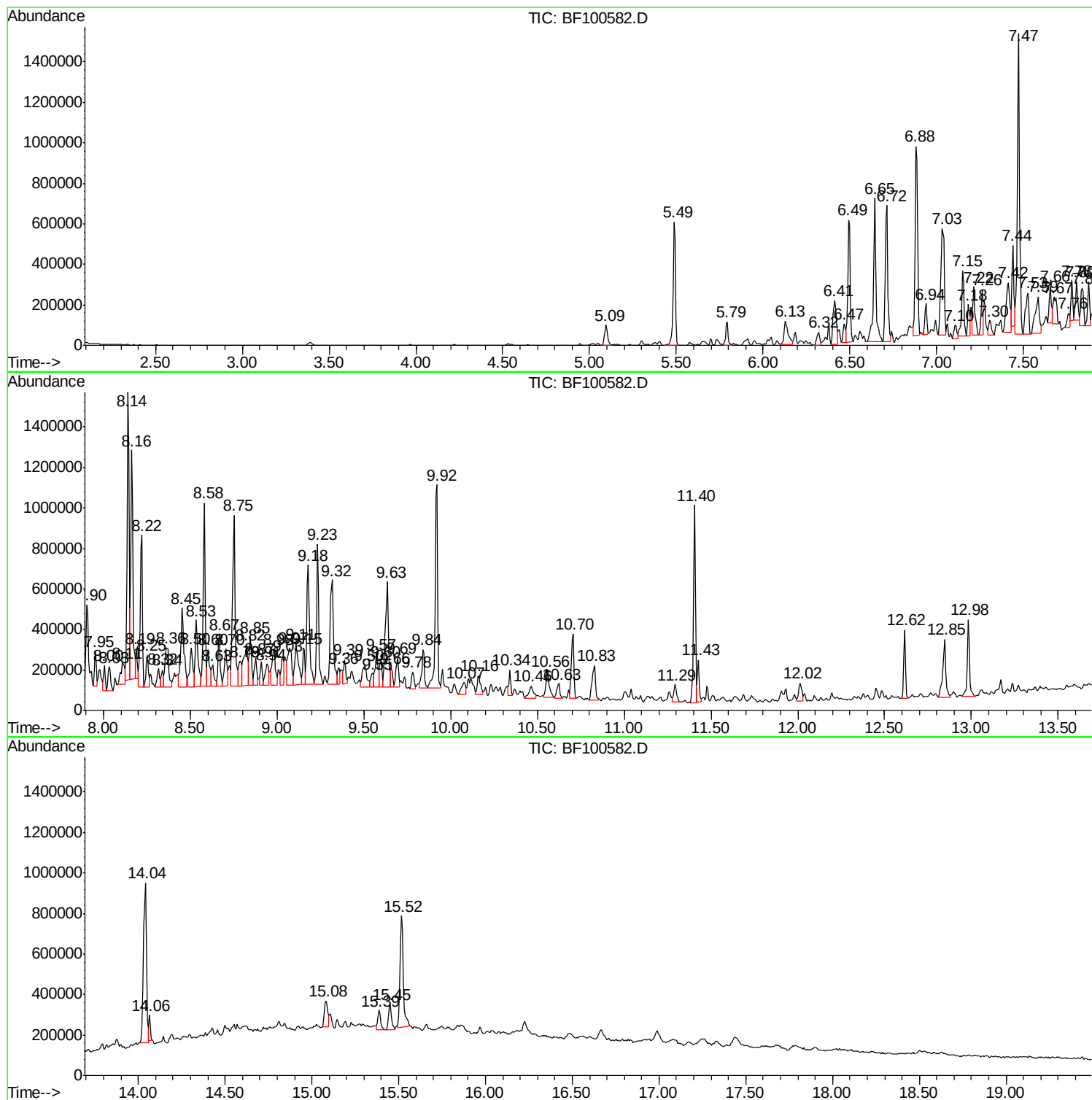
Sum of corrected areas: 30659116

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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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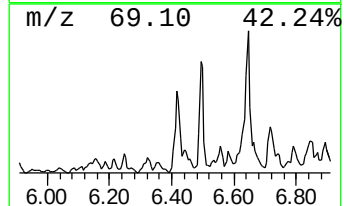
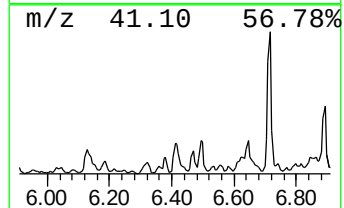
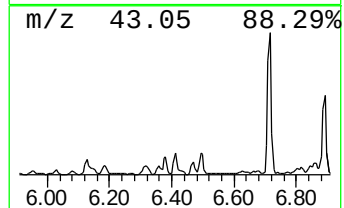
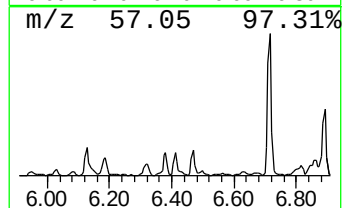
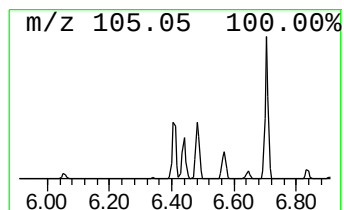
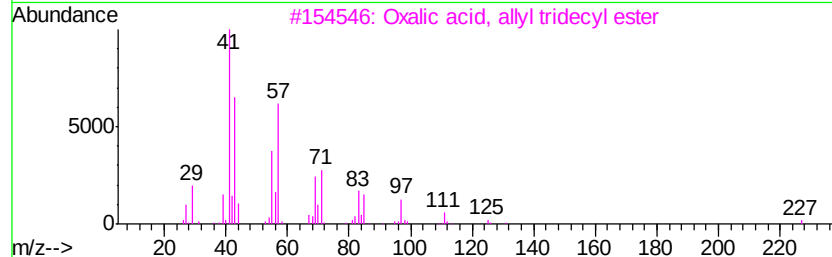
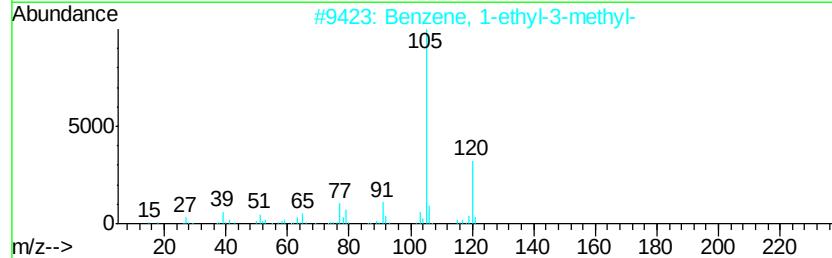
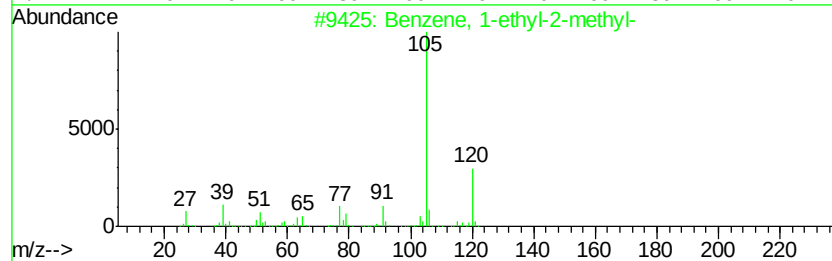
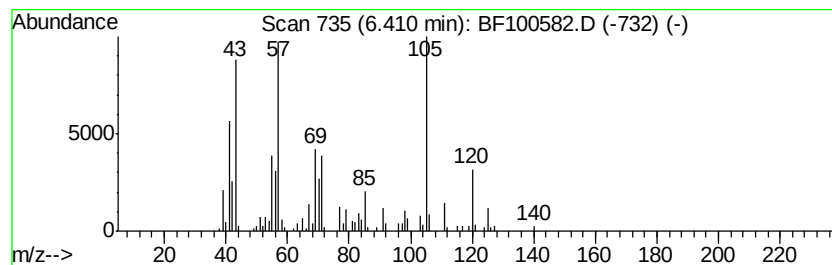
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Benzene, 1-ethyl-2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.41	5.13 ng	257062	1,4-Dichlorobenzene-d4	6.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	56
2		Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	56
3		Oxalic acid, allyl tridecyl ester	312	C18H32O4	1000309-24-1	50
4		Hydroxylamine, O-decyl-	173	C10H23NO	029812-79-1	47
5		1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	43



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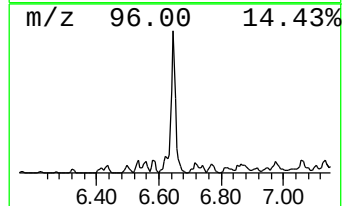
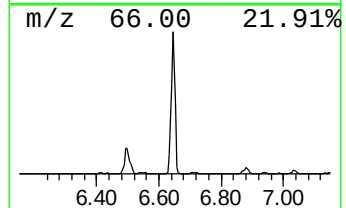
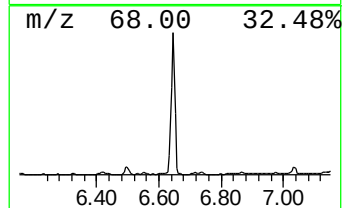
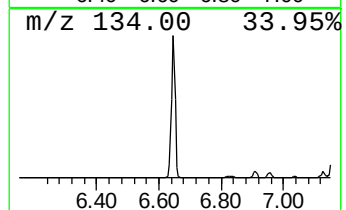
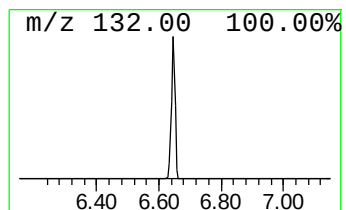
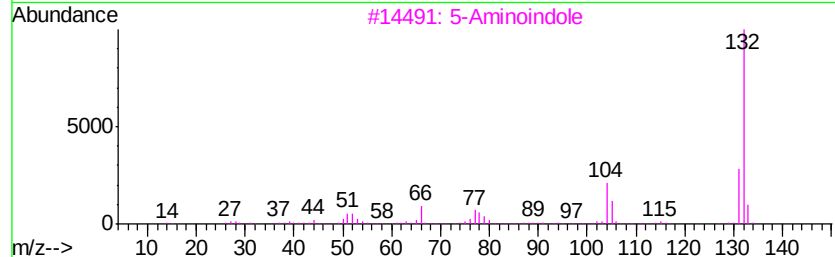
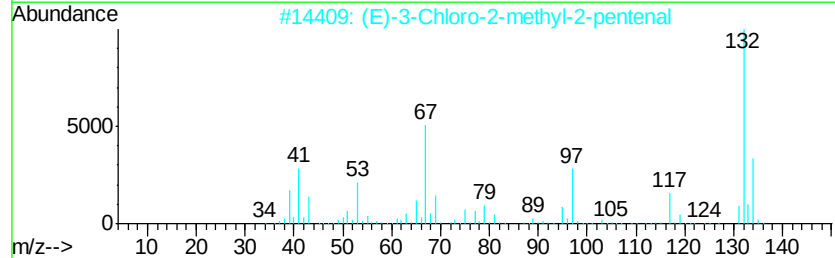
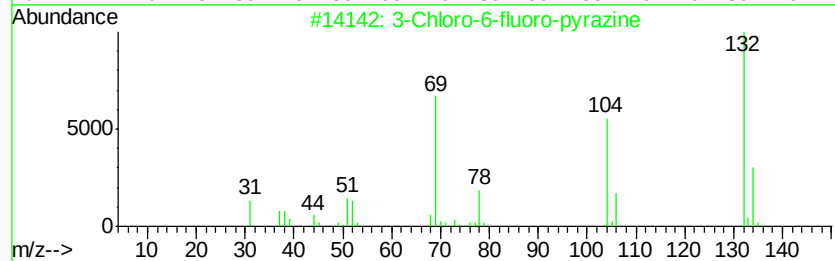
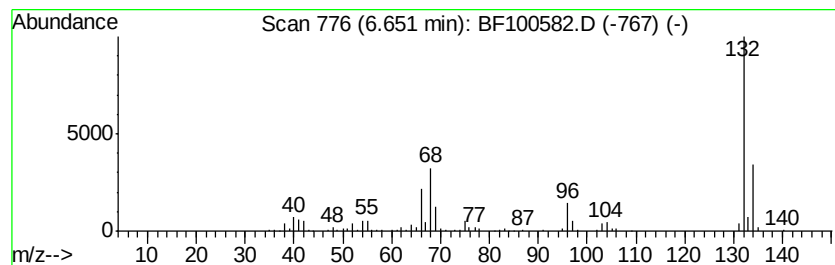
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 2 unknown hydrocarbon6.65 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	15.25 ng	764676	1,4-Dichlorobenzene-d4	6.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9



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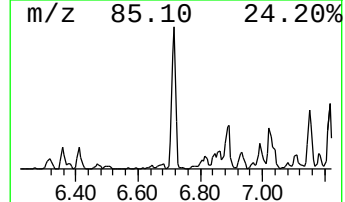
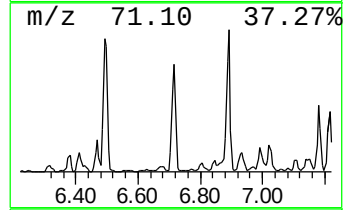
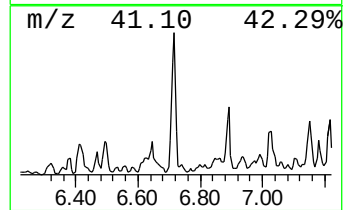
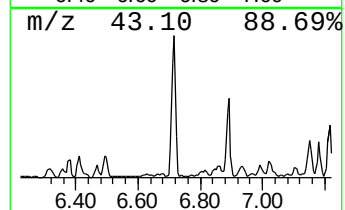
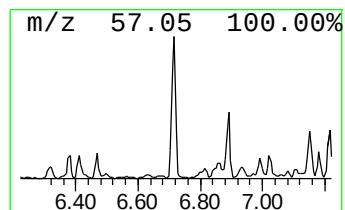
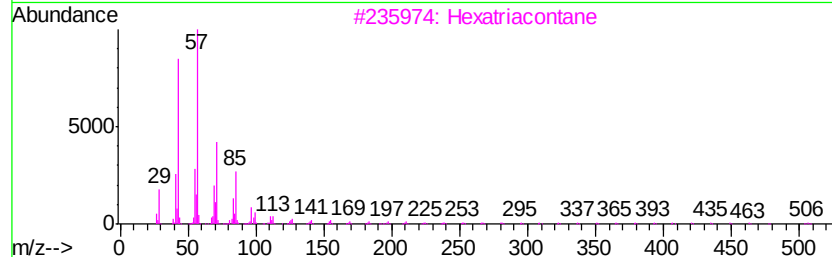
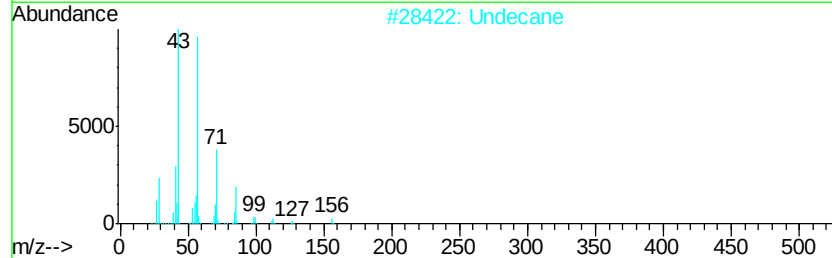
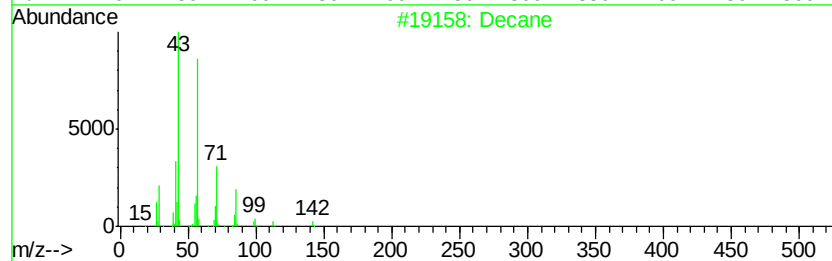
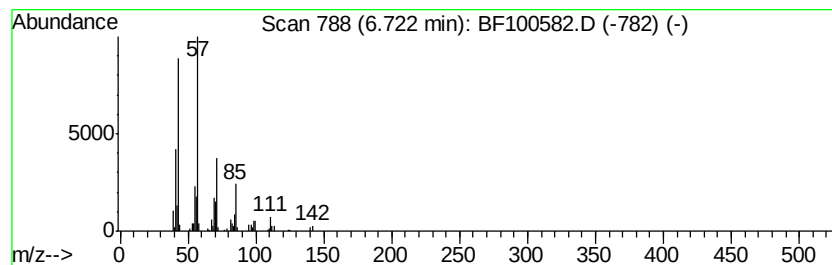
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TIC Integration Parameters: LSCINT.P

Peak Number 3 Decane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	13.89 ng	696564	1,4-Dichlorobenzene-d4	6.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane	142	C10H22	000124-18-5	95
2		Undecane	156	C11H24	001120-21-4	83
3		Hexatriacontane	507	C36H74	000630-06-8	72
4		Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	64
5		Hexadecane	226	C16H34	000544-76-3	59



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111517\
Data File : BF100582.D
Acq On : 15 Nov 2017 12:35
Operator : SJ/JU
Sample : I6441-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-11A-11B

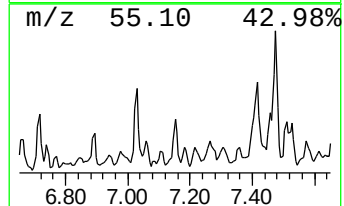
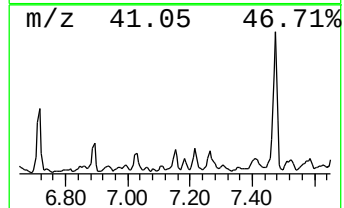
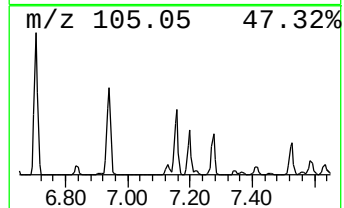
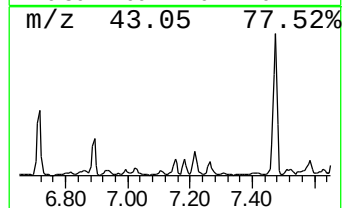
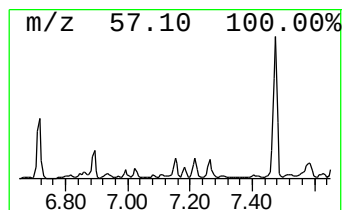
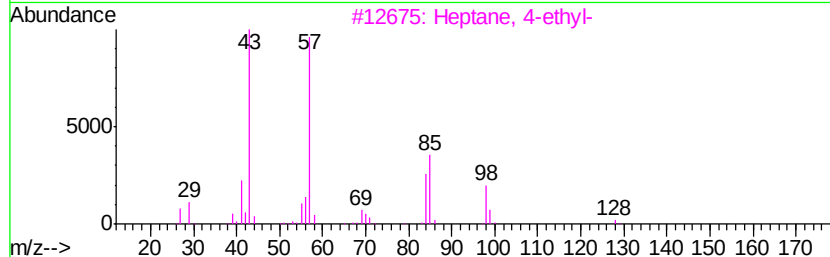
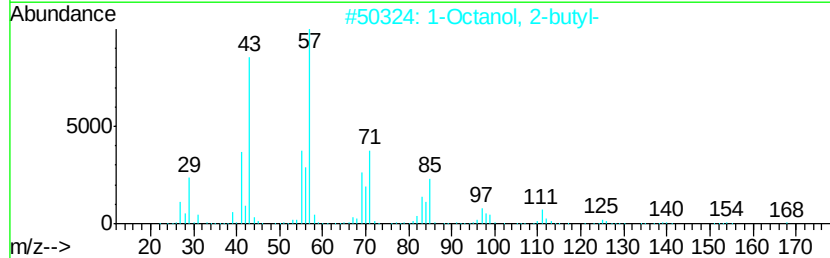
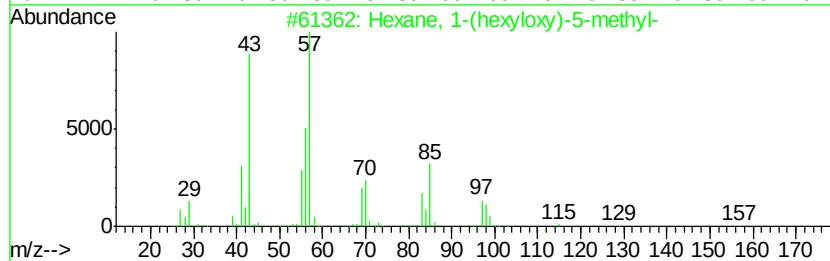
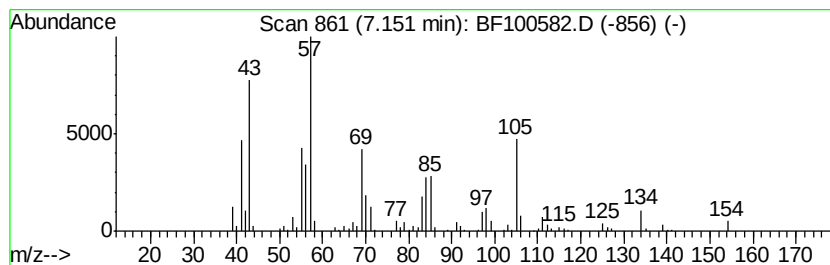
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Hexane, 1-(hexyloxy)-5-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.15	6.51 ng	326561	1,4-Dichlorobenzene-d4	6.88

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 1-(hexyloxy)-5-methyl-	200	C13H28O	074421-19-5	52	
2	1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	50	
3	Heptane, 4-ethyl-	128	C9H20	002216-32-2	47	
4	Oxalic acid, isobutyl hexyl ester	230	C12H22O4	1000309-37-1	43	
5	1-Undecene	154	C11H22	000821-95-4	38	



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111517\
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Acq On : 15 Nov 2017 12:35
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Misc :
ALS Vial : 6 Sample Multiplier: 1

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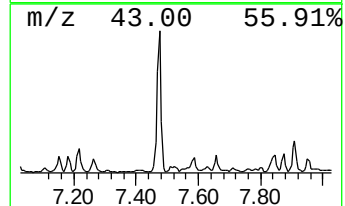
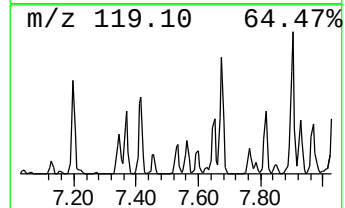
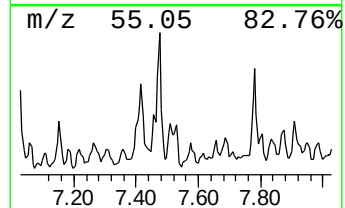
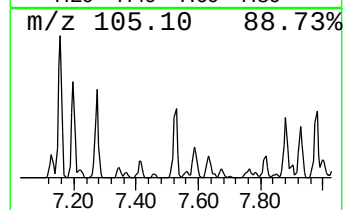
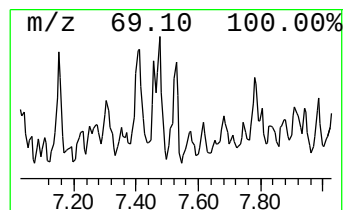
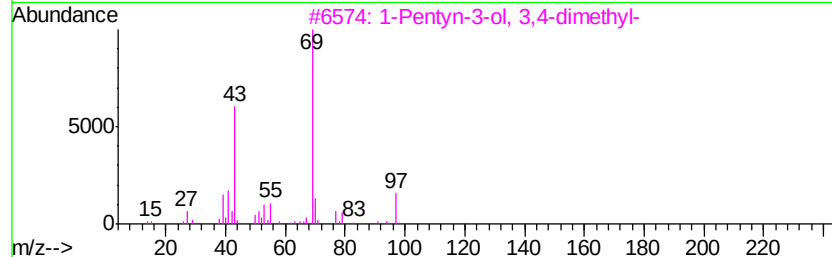
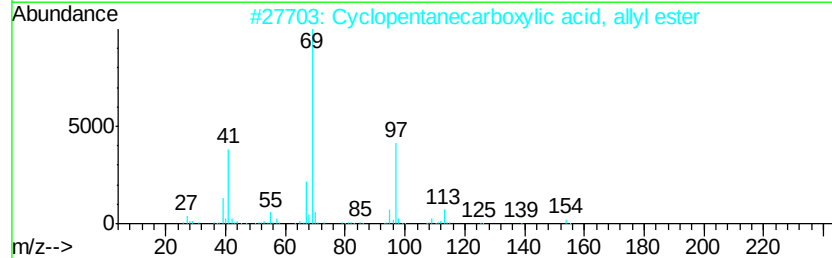
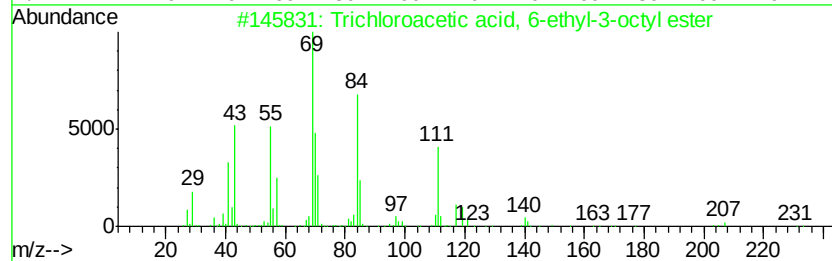
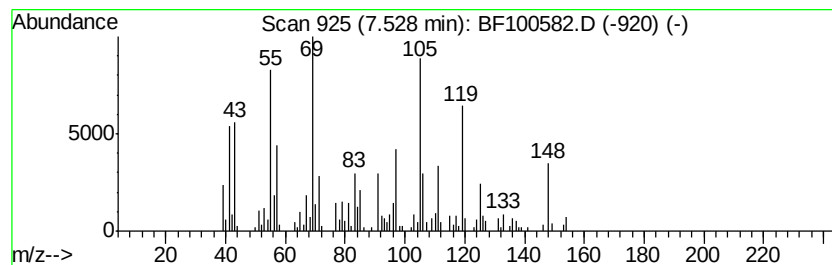
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown7.53 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.53	6.01 ng	297650	Naphthalene-d8	8.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Trichloroacetic acid, 6-ethyl-3-...	302	C12H21Cl3O2	1000282-57-4	35
2		Cyclopentanecarboxylic acid, all...	154	C9H14O2	178905-33-4	27
3		1-Pentyn-3-ol, 3,4-dimethyl-	112	C7H12O	001482-15-1	27
4		Acetic acid, trifluoro-, 1-methy...	154	C5H5F3O2	000400-39-5	27
5		Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111517\
Data File : BF100582.D
Acq On : 15 Nov 2017 12:35
Operator : SJ/JU
Sample : I6441-03 5X
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ClientSampleId :
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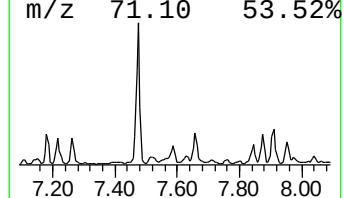
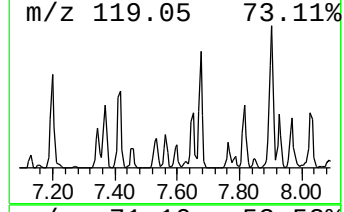
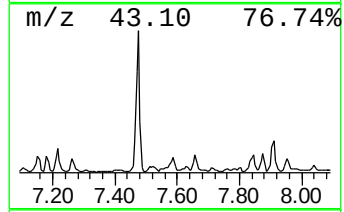
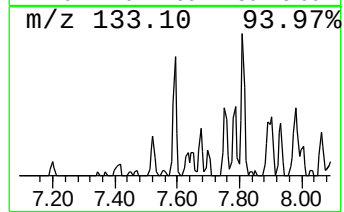
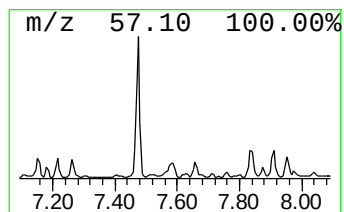
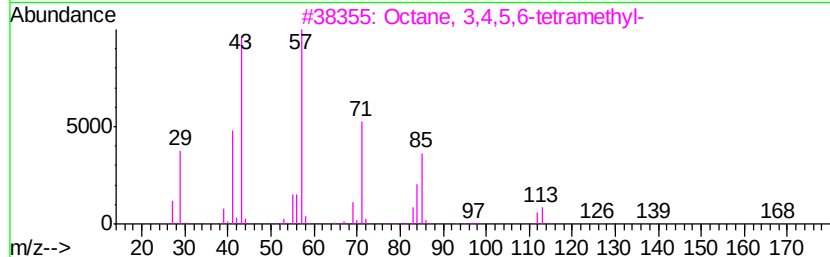
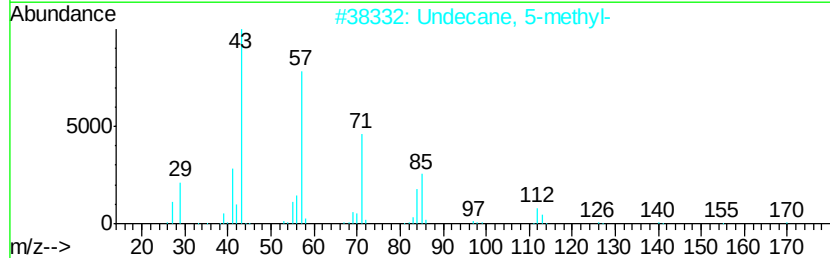
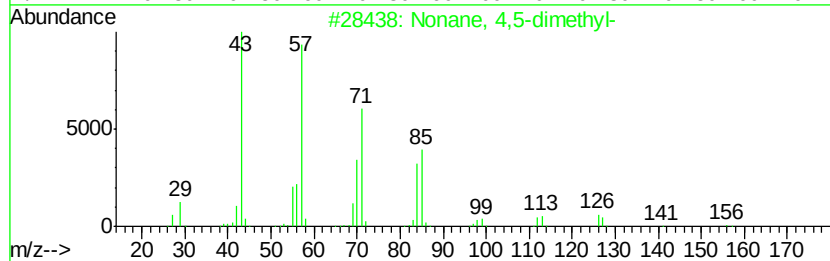
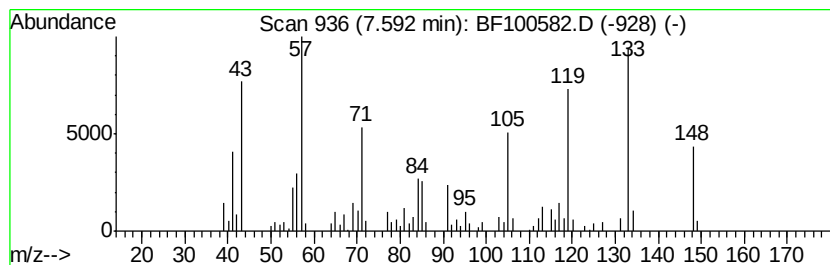
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Nonane, 4,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.59	6.66 ng	329512	Naphthalene-d8	8.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	50
2		Undecane, 5-methyl-	170	C12H26	001632-70-8	50
3		Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	49
4		2,6-Dimethyldecane	170	C12H26	013150-81-7	47
5		Decane, 3-bromo-	220	C10H21Br	030571-71-2	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111517\
Data File : BF100582.D
Acq On : 15 Nov 2017 12:35
Operator : SJ/JU
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Misc :
ALS Vial : 6 Sample Multiplier: 1

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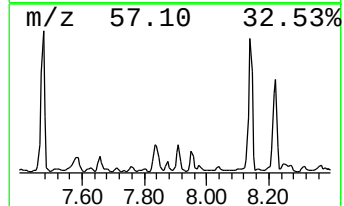
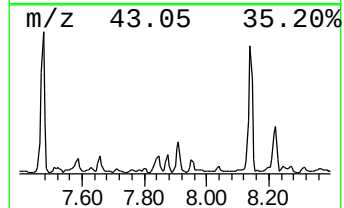
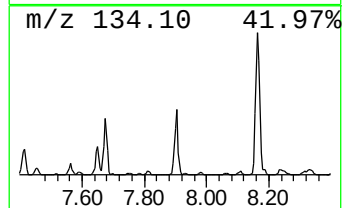
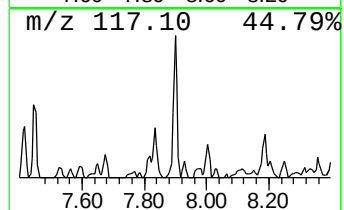
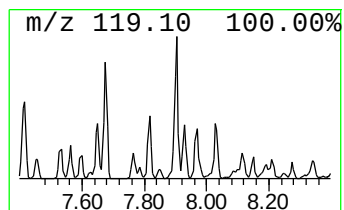
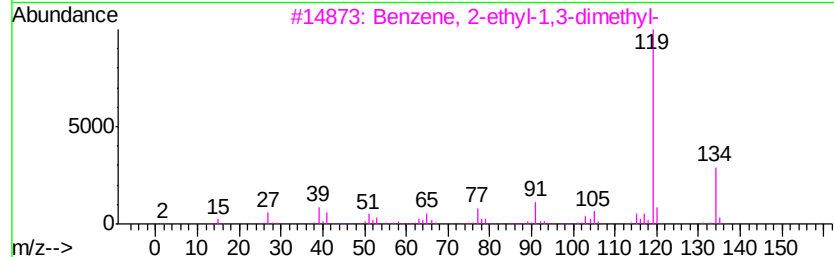
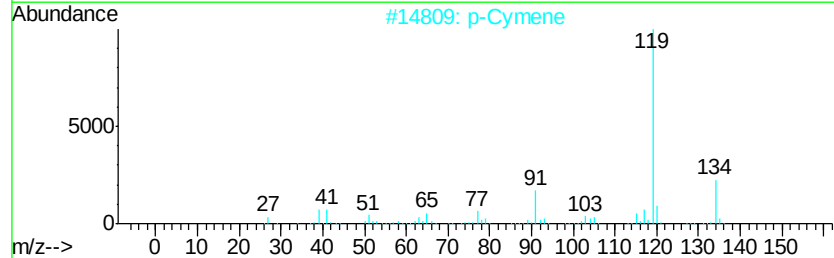
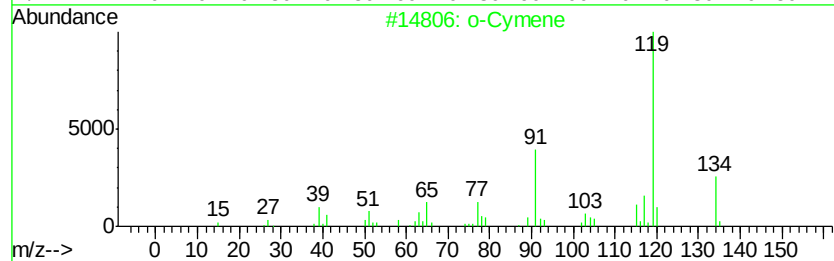
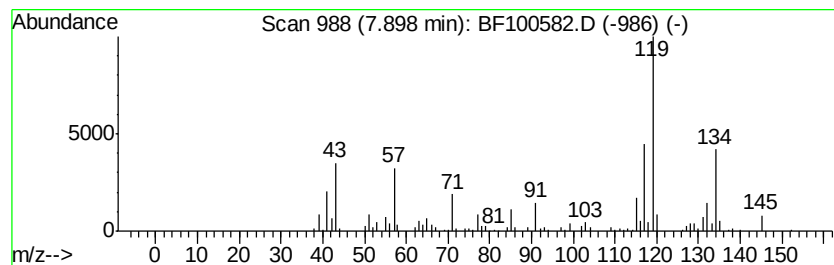
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 o-Cymene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.90	9.22 ng	456420	Napthalene-d8	8.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Cymene	134	C10H14	000527-84-4	86
2		p-Cymene	134	C10H14	000099-87-6	50
3		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	50
4		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	50
5		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111517\
Data File : BF100582.D
Acq On : 15 Nov 2017 12:35
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Misc :
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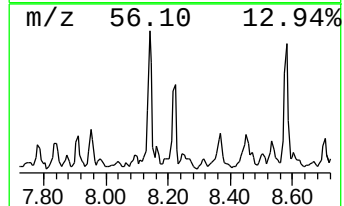
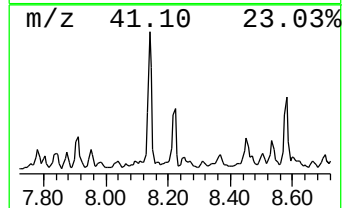
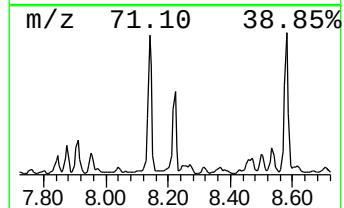
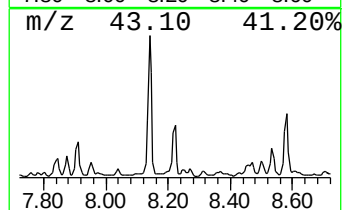
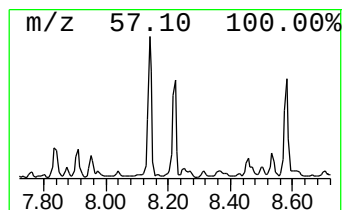
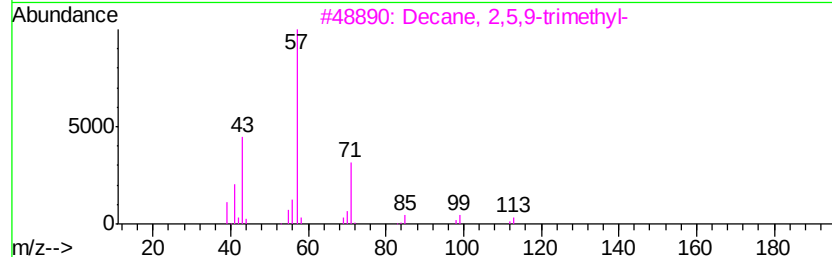
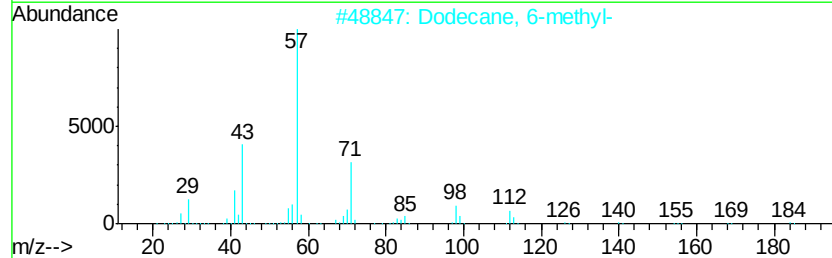
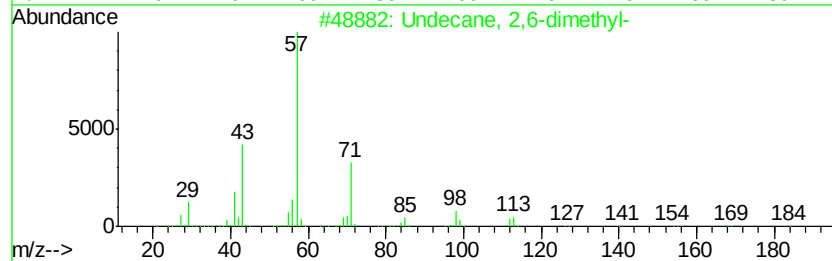
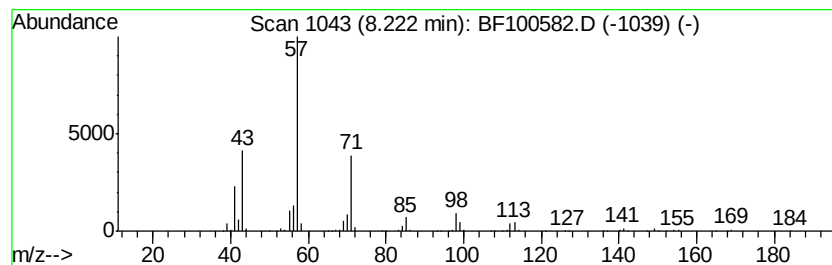
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Undecane, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.22	14.40 ng	712568	Napthalene-d8	8.16

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	97	
2	Dodecane, 6-methyl-	184	C13H28	006044-71-9	90	
3	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	72	
4	Undecane, 5-ethyl-	184	C13H28	017453-94-0	64	
5	Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	64	



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111517\
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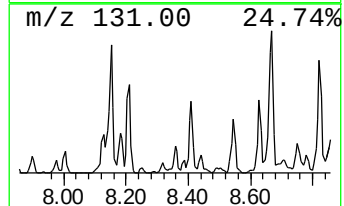
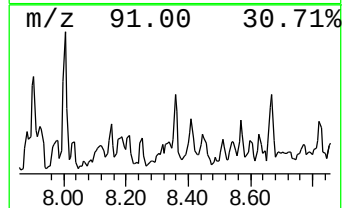
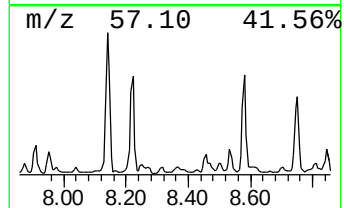
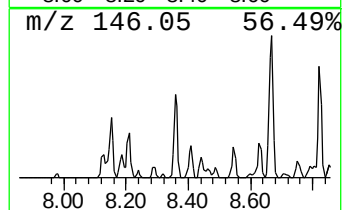
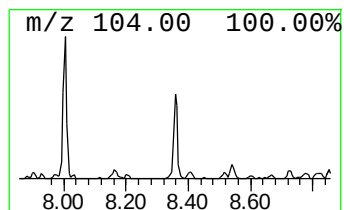
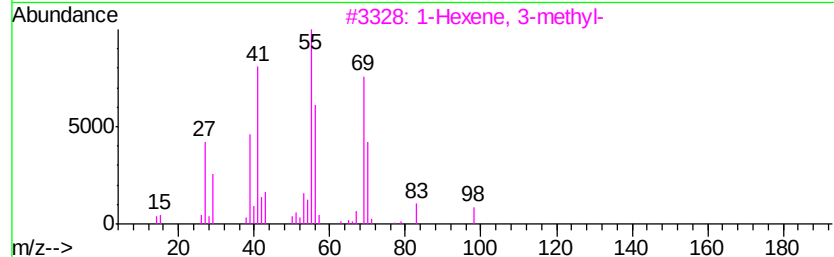
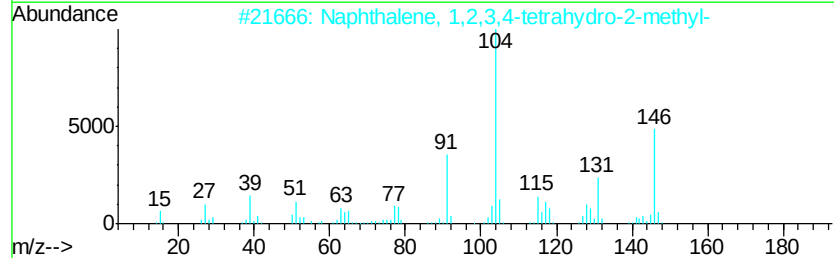
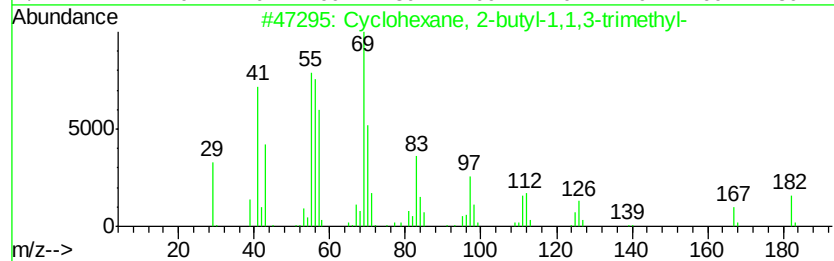
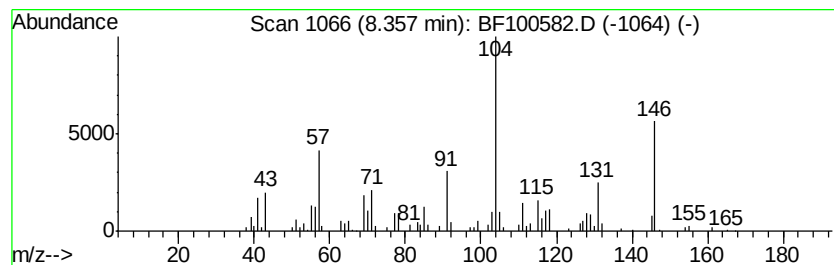
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Cyclohexane, 2-butyl-1,1,3-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.36	5.48 ng	271110	Naphthalene-d8	8.16

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 2-butyl-1,1,3-trime...	182	C13H26	054676-39-0	50
2			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	46
3			1-Hexene, 3-methyl-	98	C7H14	003404-61-3	38
4			Cyclooctane, 1,2-dimethyl-	140	C10H20	013151-94-5	38
5			Cyclohexane, 2-propyl-1,1,3-trim...	168	C12H24	081983-70-2	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111517\
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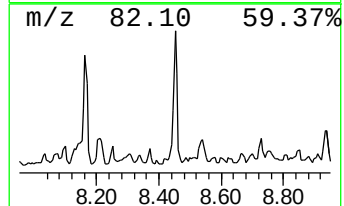
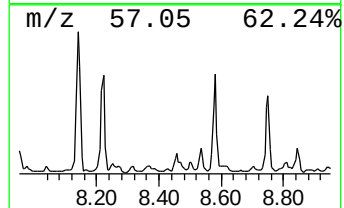
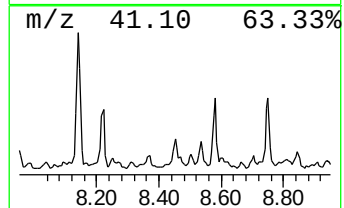
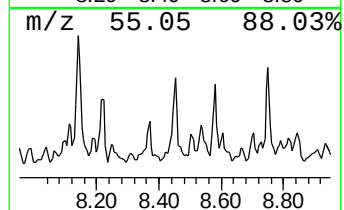
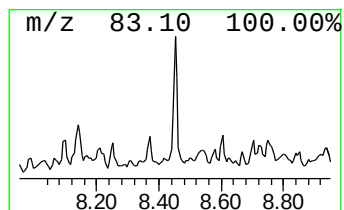
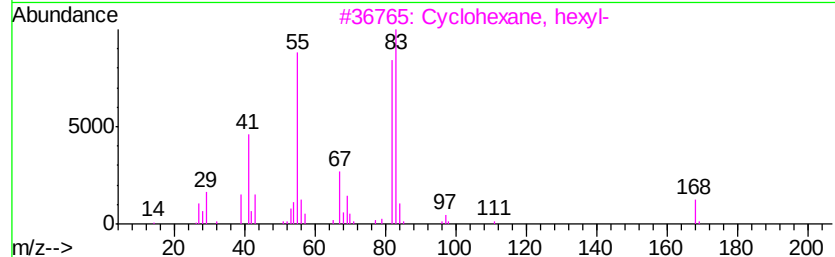
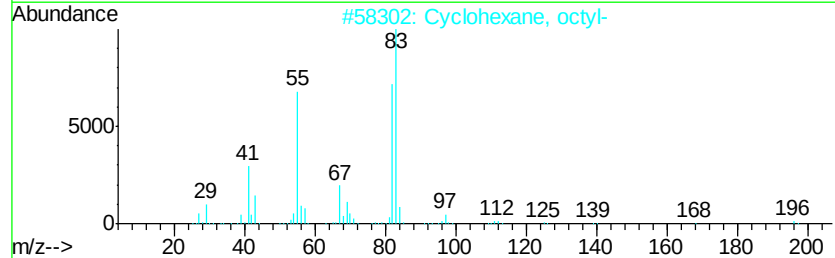
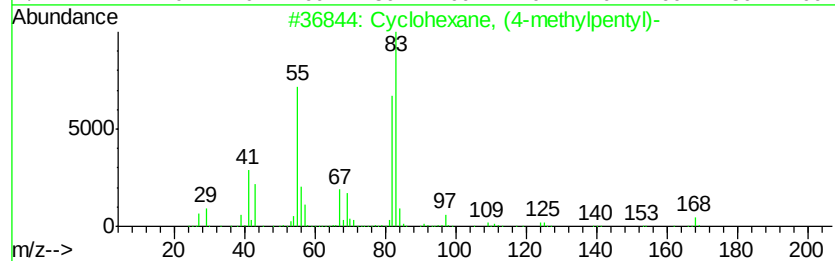
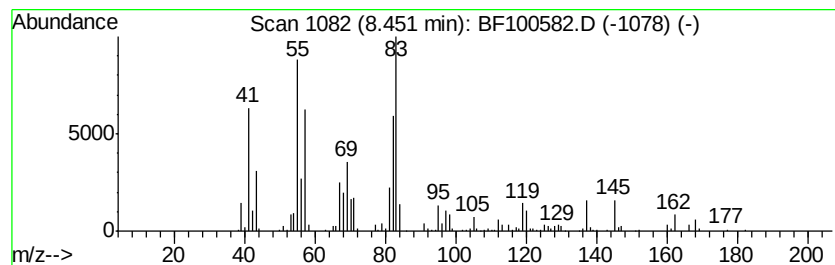
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Cyclohexane, (4-methylpentyl)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.45	11.19 ng	553925	Naphthalene-d8	8.16

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	52
2			Cyclohexane, octyl-	196	C14H28	001795-15-9	50
3			Cyclohexane, hexyl-	168	C12H24	004292-75-5	49
4			Cyclohexane, pentyl-	154	C11H22	004292-92-6	47
5			Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	47



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Data File : BF100582.D
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Operator : SJ/JU
Sample : I6441-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

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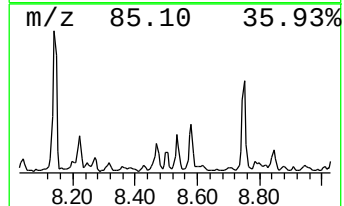
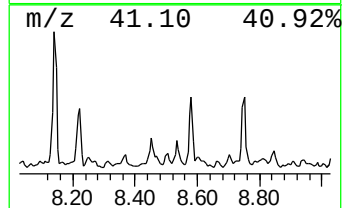
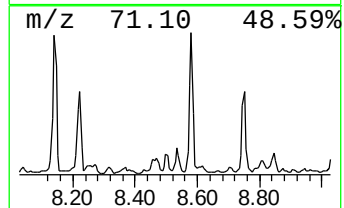
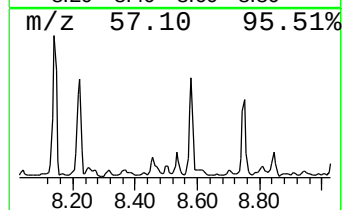
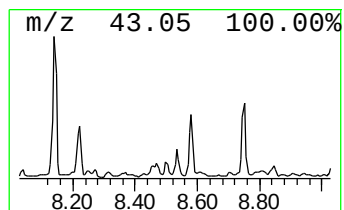
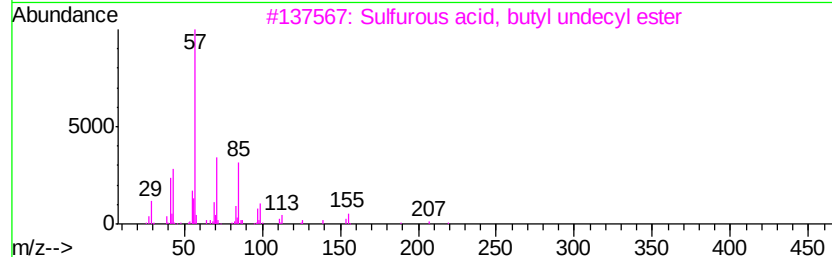
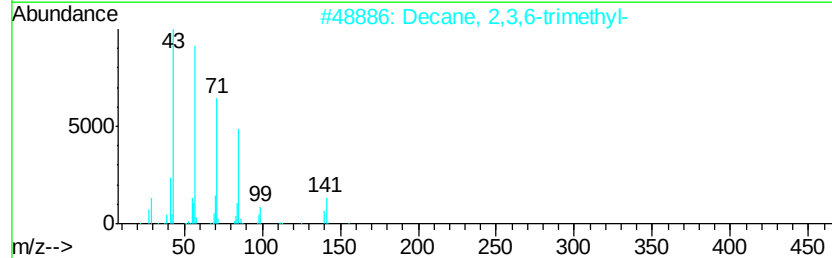
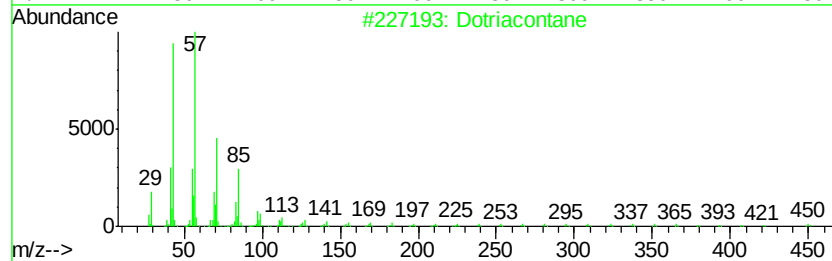
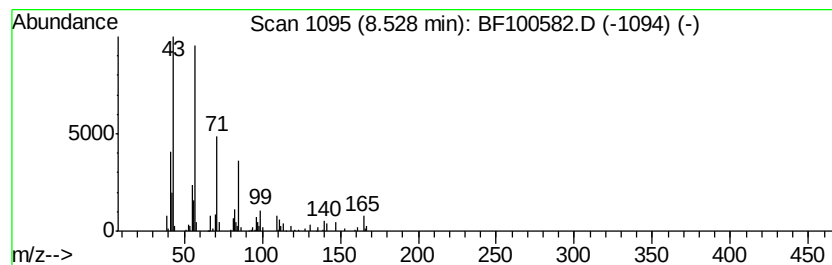
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Dotriacontane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.53	7.31 ng	361622	Naphthalene-d8	8.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dotriacontane	451	C32H66	000544-85-4	64
2		Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	64
3		Sulfurous acid, butyl undecyl ester	292	C15H32O3S	1000309-17-8	64
4		Sulfurous acid, 2-propyl tetradec...	320	C17H36O3S	1000309-12-5	64
5		Undecane, 5-ethyl-	184	C13H28	017453-94-0	64



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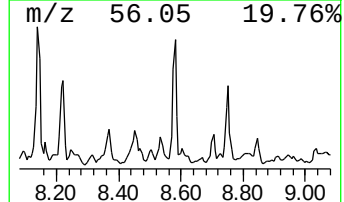
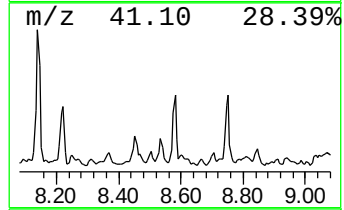
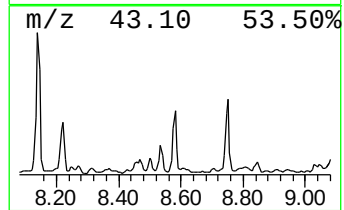
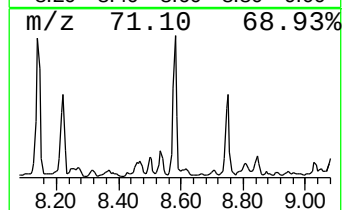
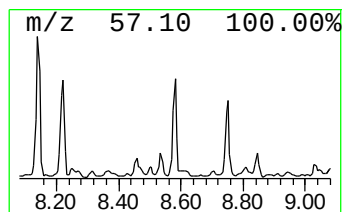
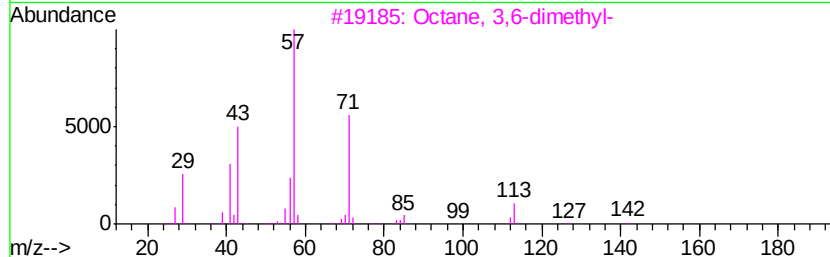
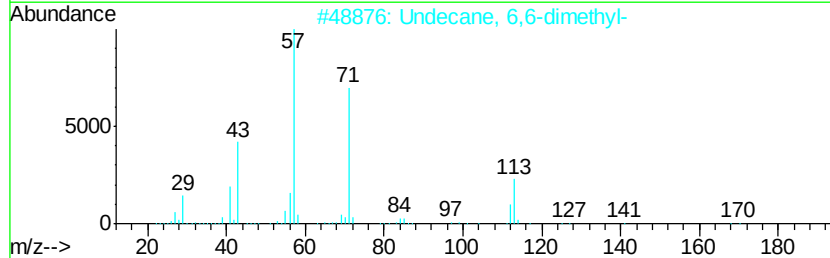
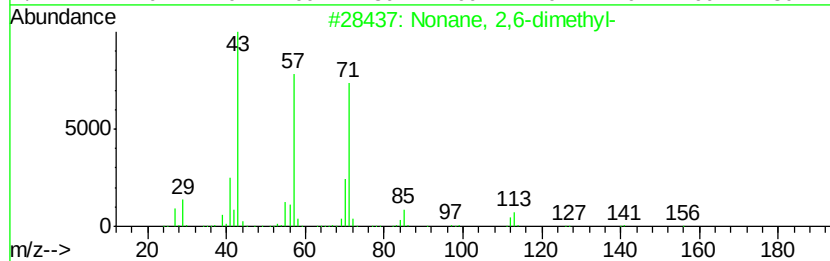
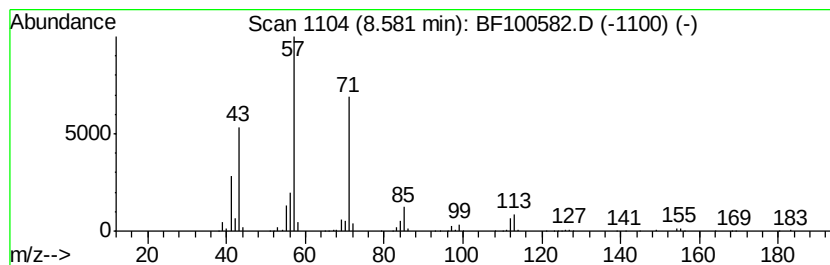
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Nonane, 2,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.58	16.01 ng	792360	Napthalene-d8	8.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	80
2		Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	72
3		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	72
4		Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	72
5		Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	72



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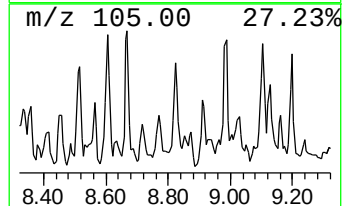
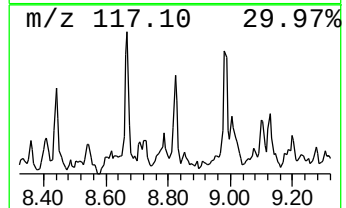
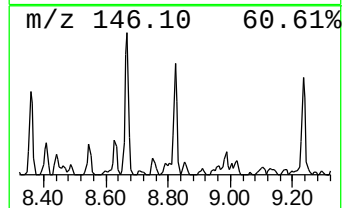
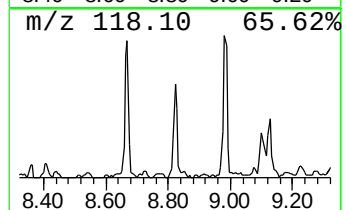
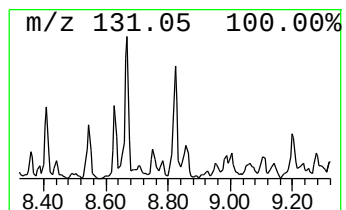
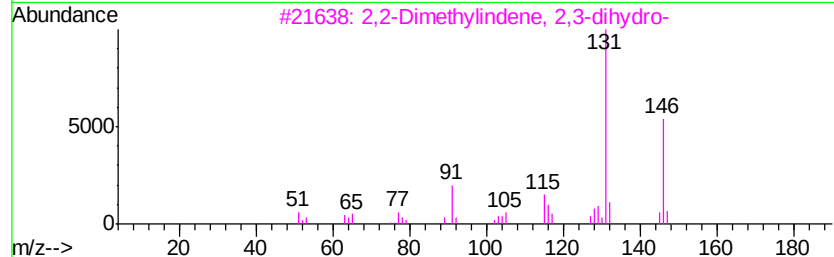
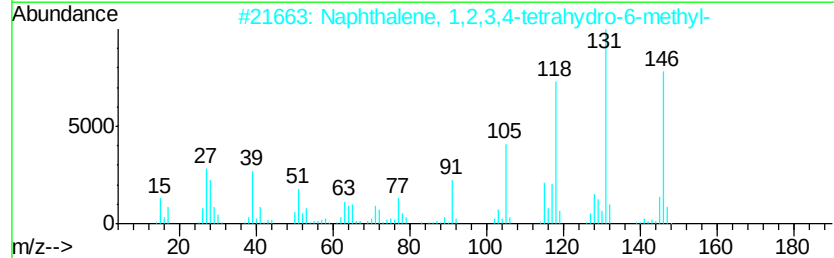
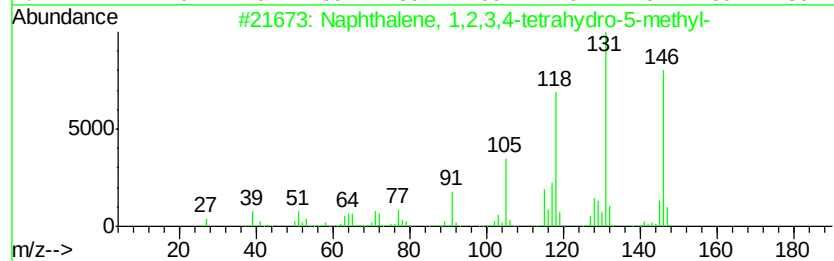
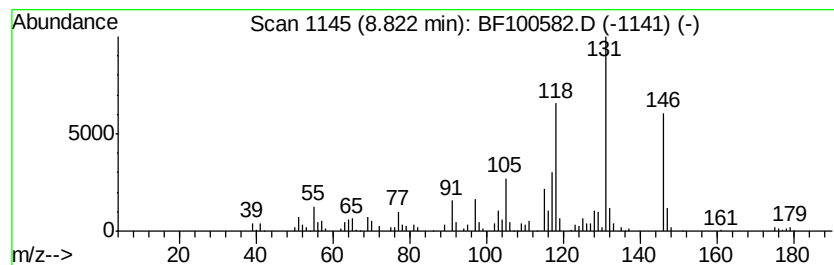
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Naphthalene, 1,2,3,4-tetra... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.82	6.39 ng	316224	Naphthalene-d8	8.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	93
2		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	90
3		2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	89
4		Benzene, (1-ethyl-2-propenyl)-	146	C11H14	019947-22-9	81
5		1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	81



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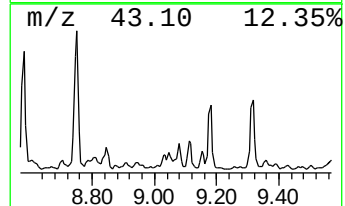
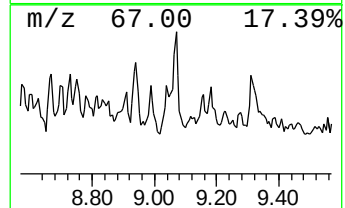
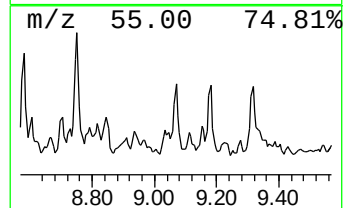
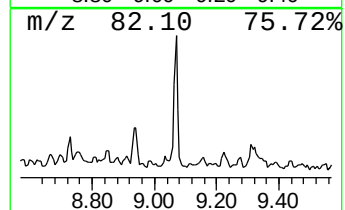
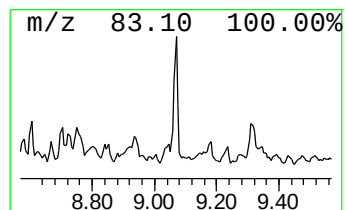
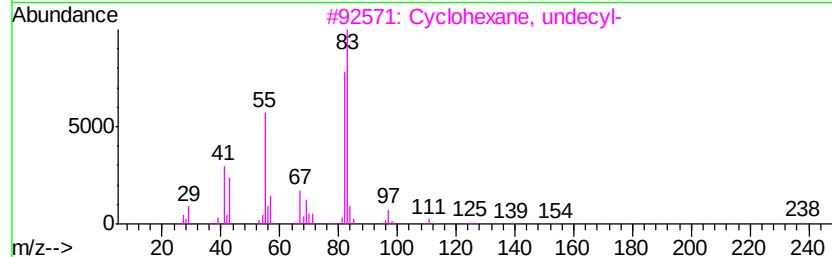
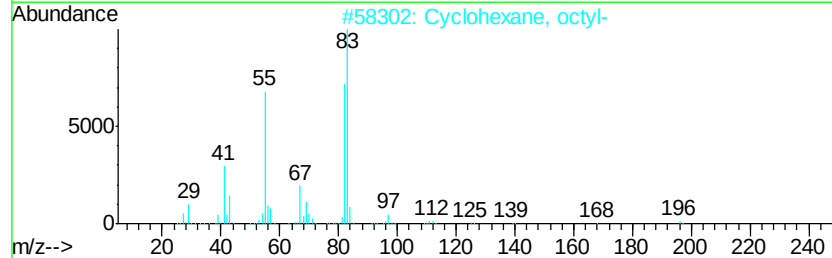
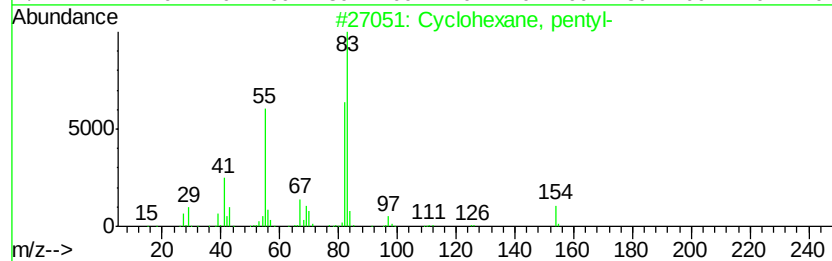
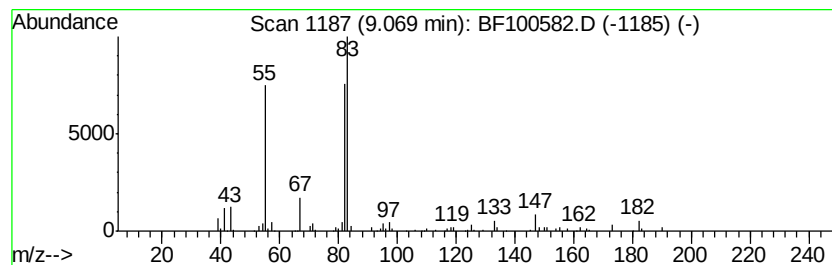
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Cyclohexane, pentyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.07	5.12 ng	269782	Acenaphthene-d10	9.92

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, pentyl-	154	C11H22	004292-92-6	86
2			Cyclohexane, octyl-	196	C14H28	001795-15-9	78
3			Cyclohexane, undecyl-	238	C17H34	054105-66-7	72
4			Cyclohexane, 1,1'-(1,4-butanedi...	222	C16H30	006165-44-2	64
5			Cyclohexane, hexyl-	168	C12H24	004292-75-5	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111517\
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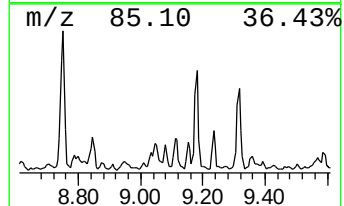
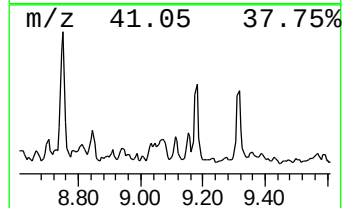
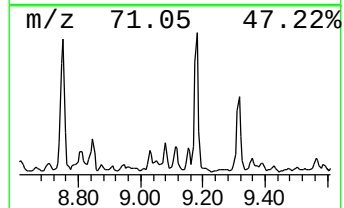
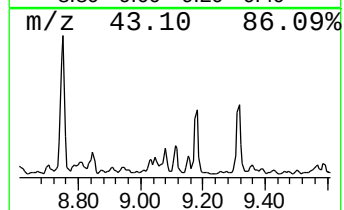
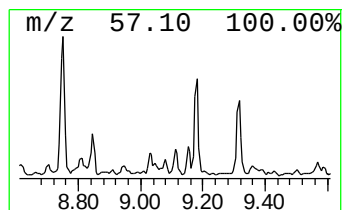
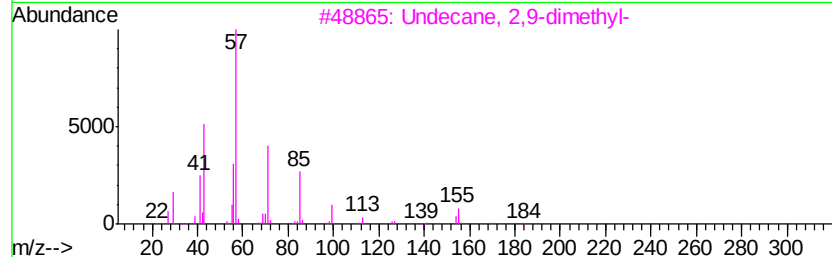
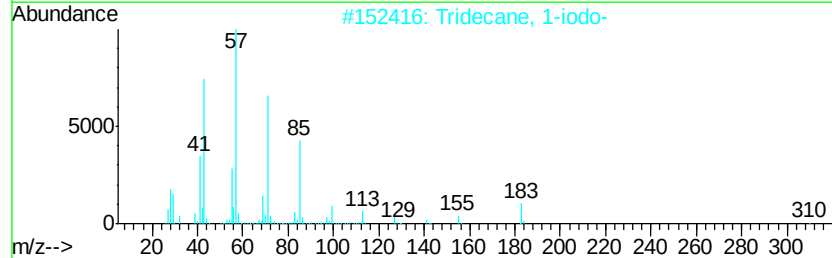
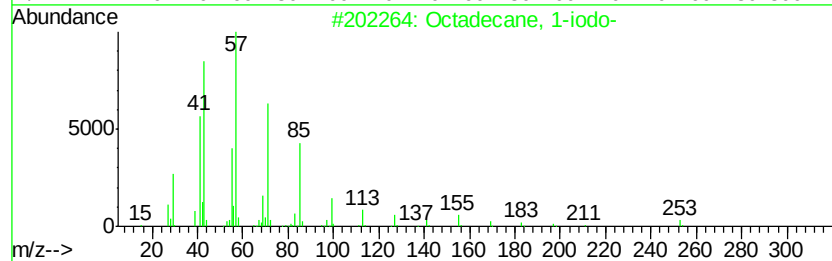
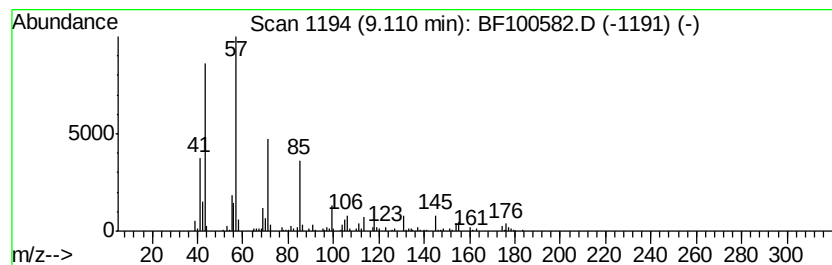
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Octadecane, 1-iodo- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD		R.T.
9.11	5.49 ng	289301	Acenaphthene-d10		9.92
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	72
2	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	72
3	Undecane, 2,9-dimethyl-	184	C13H28	017301-26-7	64
4	3,5-Dimethyldodecane	198	C14H30	107770-99-0	59
5	Decane, 1-bromo-2-methyl-	234	C11H23Br	127839-47-8	59



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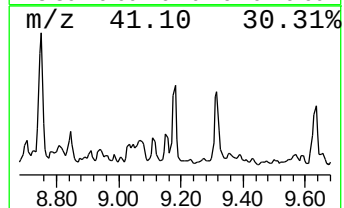
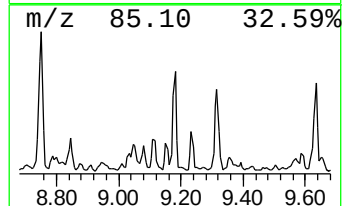
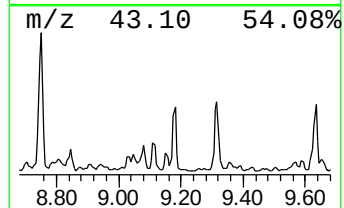
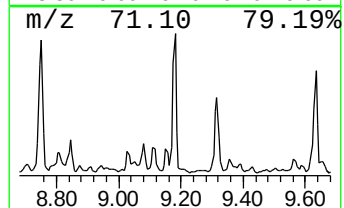
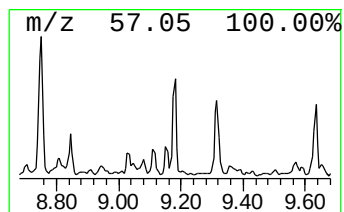
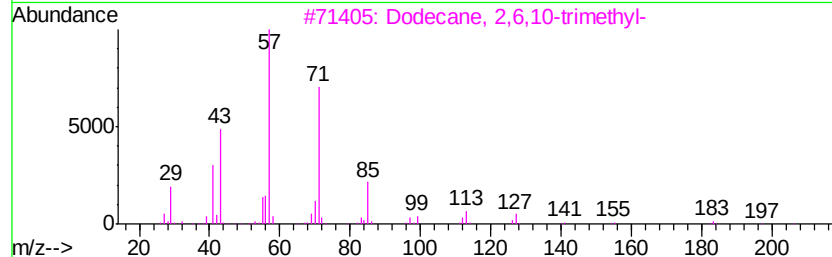
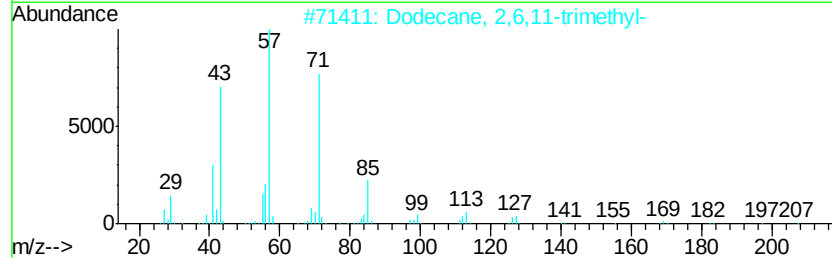
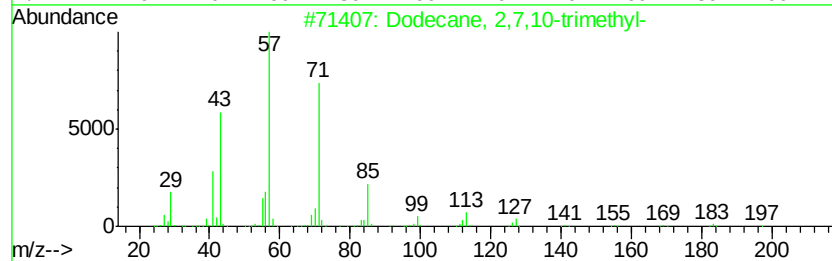
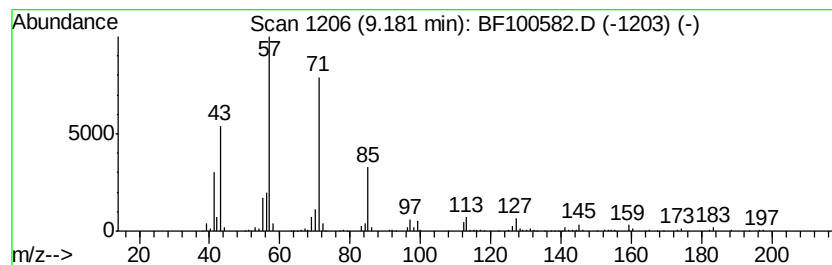
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Dodecane, 2,7,10-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.18	10.86 ng	572184	Acenaphthene-d10	9.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	91
2		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	90
3		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	90
4		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
5		Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	72



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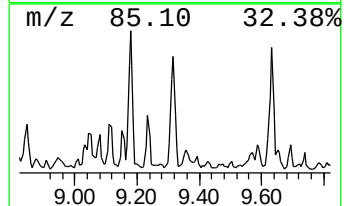
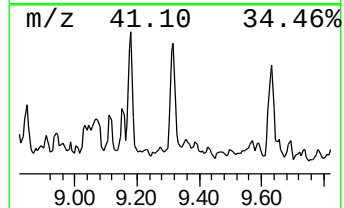
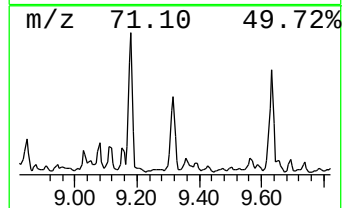
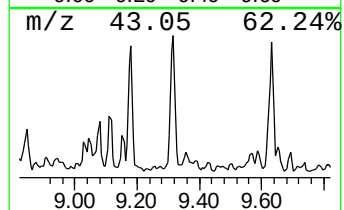
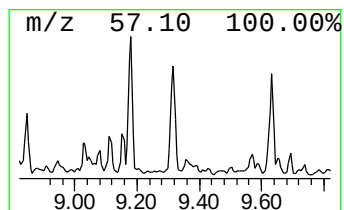
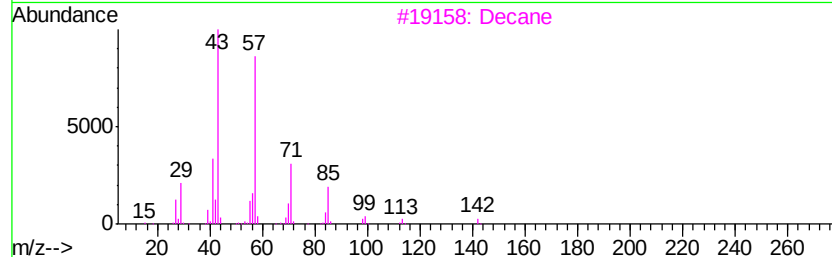
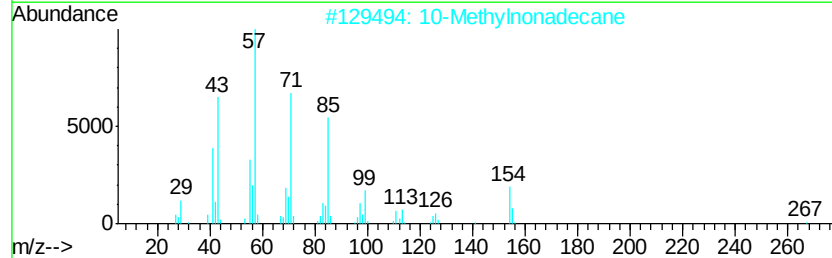
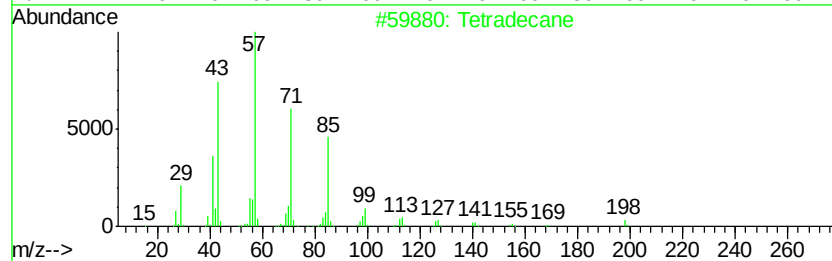
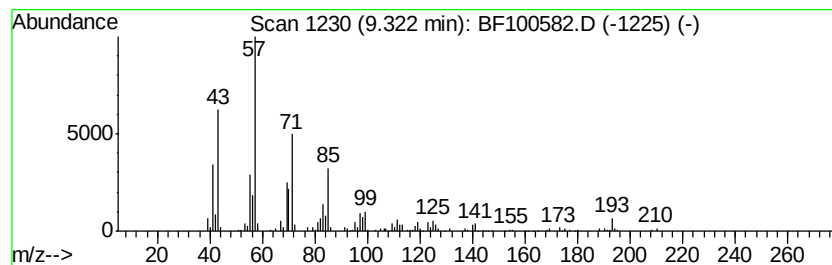
Instrument :
BNA_F
ClientSampleId :
TP-11A-11B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Tetradecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.32	11.36 ng	598870	Acenaphthene-d10	9.92
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Tetradecane	198 C14H30	000629-59-4 90
2		10-Methylnonadecane	282 C20H42	056862-62-5 83
3		Decane	142 C10H22	000124-18-5 81
4		Undecane, 2,3-dimethyl-	184 C13H28	017312-77-5 80
5		Hexadecane	226 C16H34	000544-76-3 72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111517\
Data File : BF100582.D
Acq On : 15 Nov 2017 12:35
Operator : SJ/JU
Sample : I6441-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

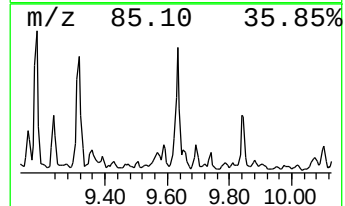
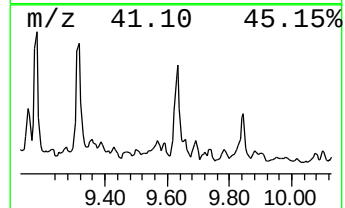
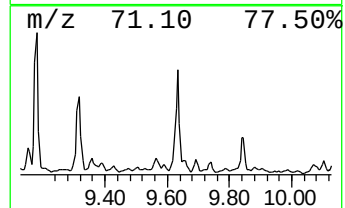
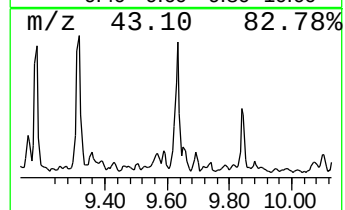
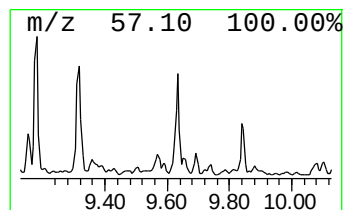
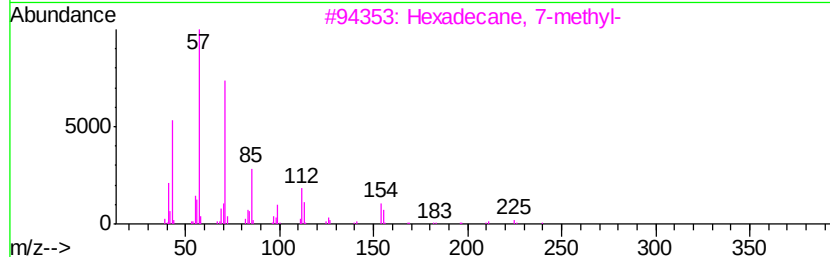
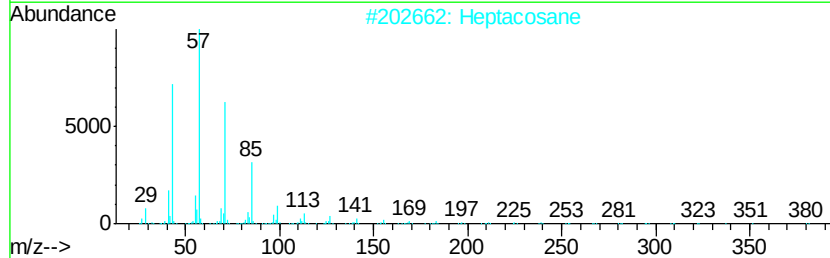
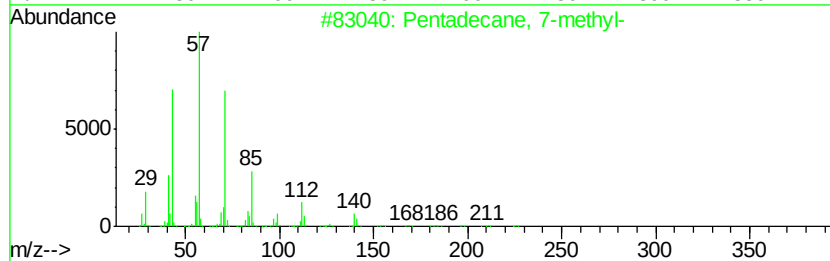
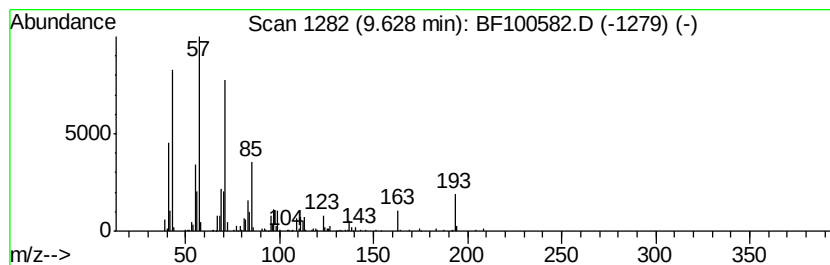
Instrument :
BNA_F
ClientSampleId :
TP-11A-11B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Pentadecane, 7-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.63	11.34 ng	597393	Acenaphthene-d10	9.92
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Pentadecane, 7-methyl-	226 C16H34	006165-40-8 86
2		Heptacosane	380 C27H56	000593-49-7 83
3		Hexadecane, 7-methyl-	240 C17H36	026730-20-1 78
4		Tridecane, 6-propyl-	226 C16H34	055045-10-8 78
5		Dodecane, 2,7,10-trimethyl-	212 C15H32	074645-98-0 64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111517\
 Data File : BF100582.D
 Acq On : 15 Nov 2017 12:35
 Operator : SJ/JU
 Sample : I6441-03 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-11A-11B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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
Benzene, 1-ethyl-...	6.41	5.1 ng		257062	1	6.88	1002740	20.0
unknown hydrocarb...	6.65	15.3 ng		764676	1	6.88	1002740	20.0
Decane	6.72	13.9 ng		696564	1	6.88	1002740	20.0
Hexane, 1-(hexylo...	7.15	6.5 ng		326561	1	6.88	1002740	20.0
unknown7.53	7.53	6.0 ng		297650	2	8.16	989807	20.0
Nonane, 4,5-dimet...	7.59	6.7 ng		329512	2	8.16	989807	20.0
o-Cymene	7.90	9.2 ng		456420	2	8.16	989807	20.0
Undecane, 2,6-dim...	8.22	14.4 ng		712568	2	8.16	989807	20.0
Cyclohexane, 2-bu...	8.36	5.5 ng		271110	2	8.16	989807	20.0
Cyclohexane, (4-m...	8.45	11.2 ng		553925	2	8.16	989807	20.0
Dotriacontane	8.53	7.3 ng		361622	2	8.16	989807	20.0
Nonane, 2,6-dimet...	8.58	16.0 ng		792360	2	8.16	989807	20.0
Naphthalene, 1,2,...	8.82	6.4 ng		316224	2	8.16	989807	20.0
Cyclohexane, pentyl-	9.07	5.1 ng		269782	3	9.92	1054030	20.0
Octadecane, 1-iodo-	9.11	5.5 ng		289301	3	9.92	1054030	20.0
Dodecane, 2,7,10-...	9.18	10.9 ng		572184	3	9.92	1054030	20.0
Tetradecane	9.32	11.4 ng		598870	3	9.92	1054030	20.0
Pentadecane, 7-me...	9.63	11.3 ng		597393	3	9.92	1054030	20.0