

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
 Data File : BF096744.D
 Acq On : 13 Jul 2017 23:02
 Operator : SJ/JU
 Sample : I4146-01 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-001-A

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

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.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	4.134	361	365	373	rBV	28904	43190	3.26%	0.252%
2	4.798	474	478	491	rVB	295214	371496	28.02%	2.165%
3	5.234	548	552	561	rVB	1059387	953247	71.91%	5.555%
4	5.887	660	663	665	rBV2	34095	32166	2.43%	0.187%
5	6.081	691	696	702	rBV4	20113	29404	2.22%	0.171%
6	6.239	720	723	725	rBV	33572	31265	2.36%	0.182%
7	6.275	725	729	734	rVV	1341670	1325595	100.00%	7.725%
8	6.398	743	750	754	rBV	1363464	1269456	95.76%	7.398%
9	6.487	763	765	770	rVB	143007	123156	9.29%	0.718%
10	6.634	786	790	793	rVV	845072	696825	52.57%	4.061%
11	6.669	793	796	798	rVB2	77008	66939	5.05%	0.390%
12	6.698	798	801	806	rBV3	31065	41627	3.14%	0.243%
13	6.792	813	817	822	rVV	1207788	1100692	83.03%	6.414%
14	6.928	835	840	843	rVB4	31590	52829	3.99%	0.308%
15	6.963	843	846	848	rVB2	58768	48181	3.63%	0.281%
16	6.992	848	851	855	rBV	46328	42605	3.21%	0.248%
17	7.039	855	859	862	rBV2	64695	67369	5.08%	0.393%
18	7.192	879	885	888	rVV	856659	765754	57.77%	4.462%
19	7.251	892	895	898	rVV	242639	184622	13.93%	1.076%
20	7.298	898	903	906	rVB5	39594	59300	4.47%	0.346%
21	7.363	911	914	917	rVV2	33207	35313	2.66%	0.206%
22	7.410	917	922	924	rVV4	22651	31436	2.37%	0.183%
23	7.439	924	927	933	rVB2	64022	85640	6.46%	0.499%
24	7.557	940	947	950	rBV4	45790	79663	6.01%	0.464%
25	7.616	954	957	961	rBV3	31206	42520	3.21%	0.248%
26	7.657	961	964	967	rBV4	40475	47528	3.59%	0.277%
27	7.686	967	969	975	rVB2	53341	52272	3.94%	0.305%
28	7.734	975	977	979	rBV	36028	31680	2.39%	0.185%
29	7.757	979	981	984	rVB	36190	33517	2.53%	0.195%
30	7.792	984	987	990	rBV2	18050	23656	1.78%	0.138%
31	7.828	990	993	996	rVB3	29086	31767	2.40%	0.185%
32	7.916	1004	1008	1012	rBV	1256630	1064972	80.34%	6.206%
33	7.998	1020	1022	1025	rBV	82544	64638	4.88%	0.377%
34	8.098	1034	1039	1041	rBV3	27323	37530	2.83%	0.219%

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35	8.133	1043	1045	1049	rVB3	24221	22583	1.70%	0.132%
36	8.222	1055	1060	1062	rBV4	39798	49217	3.71%	0.287%
37	8.281	1067	1070	1072	rVV3	29018	24005	1.81%	0.140%
38	8.316	1072	1076	1079	rVV2	33326	37418	2.82%	0.218%
39	8.357	1080	1083	1087	rVV	107735	111883	8.44%	0.652%
40	8.422	1091	1094	1099	rVV3	32205	32835	2.48%	0.191%
41	8.528	1108	1112	1115	rVV	267937	221493	16.71%	1.291%
42	8.581	1118	1121	1125	rVV4	38842	57799	4.36%	0.337%
43	8.628	1125	1129	1132	rVB4	56830	63738	4.81%	0.371%
44	8.810	1156	1160	1162	rBV3	26002	26231	1.98%	0.153%
45	8.839	1162	1165	1167	rVV4	20471	24779	1.87%	0.144%
46	8.957	1182	1185	1187	rVB	76541	57080	4.31%	0.333%
47	8.992	1187	1191	1194	rBV	1347205	1111431	83.84%	6.477%
48	9.092	1203	1208	1211	rBV	188306	174873	13.19%	1.019%
49	9.139	1214	1216	1220	rVB3	18790	23010	1.74%	0.134%
50	9.257	1232	1236	1239	rBV3	17847	26585	2.01%	0.155%
51	9.328	1245	1248	1250	rBV2	24119	21737	1.64%	0.127%
52	9.351	1250	1252	1255	rVV2	24242	21818	1.65%	0.127%
53	9.386	1255	1258	1261	rVV	297526	259693	19.59%	1.513%
54	9.410	1261	1262	1264	rVV	66704	40798	3.08%	0.238%
55	9.428	1264	1265	1269	rVB3	20495	22291	1.68%	0.130%
56	9.528	1278	1282	1285	rBV2	17717	23970	1.81%	0.140%
57	9.586	1289	1292	1295	rVV4	24736	24768	1.87%	0.144%
58	9.616	1295	1297	1301	rVV	136759	113600	8.57%	0.662%
59	9.669	1301	1306	1309	rVV	677744	664533	50.13%	3.872%
60	9.698	1309	1311	1315	rVB	31431	26298	1.98%	0.153%
61	9.869	1333	1340	1344	rVV4	36122	66962	5.05%	0.390%
62	9.910	1344	1347	1350	rVV2	23007	25205	1.90%	0.147%
63	9.939	1350	1352	1356	rVB2	34932	30669	2.31%	0.179%
64	9.980	1356	1359	1362	rBV5	20329	28813	2.17%	0.168%
65	10.086	1372	1377	1379	rBV5	24130	39440	2.98%	0.230%
66	10.116	1379	1382	1385	rVB	129138	91799	6.93%	0.535%
67	10.210	1395	1398	1400	rVB2	32902	23194	1.75%	0.135%
68	10.339	1415	1420	1422	rBV	51743	57318	4.32%	0.334%
69	10.445	1435	1438	1443	rVB	228072	209286	15.79%	1.220%
70	10.586	1459	1462	1464	rBV	134213	128000	9.66%	0.746%
71	10.786	1493	1496	1499	rBV4	24917	26266	1.98%	0.153%

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72	11.033	1535	1538	1541	rVV2	110187	95873	7.23%	0.559%
73	11.063	1541	1543	1550	rVB	55090	59657	4.50%	0.348%
74	11.145	1553	1557	1559	rBV	536263	521652	39.35%	3.040%
75	11.163	1559	1560	1564	rVV	189442	153930	11.61%	0.897%
76	11.216	1566	1569	1573	rVB	63692	55093	4.16%	0.321%
77	11.386	1594	1598	1601	rBV2	26257	40779	3.08%	0.238%
78	11.457	1608	1610	1616	rVB2	76112	78375	5.91%	0.457%
79	11.645	1639	1642	1644	rBV	32156	26438	1.99%	0.154%
80	11.669	1644	1646	1652	rVB	42260	48654	3.67%	0.284%
81	11.751	1657	1660	1663	rBV	48135	54531	4.11%	0.318%
82	11.863	1677	1679	1684	rVB2	60103	63909	4.82%	0.372%
83	11.939	1689	1692	1694	rBV3	31809	37116	2.80%	0.216%
84	12.021	1703	1706	1712	rBV7	16256	34473	2.60%	0.201%
85	12.069	1712	1714	1716	rBV2	23345	21925	1.65%	0.128%
86	12.198	1733	1736	1737	rBV2	34151	37757	2.85%	0.220%
87	12.251	1743	1745	1748	rBV	60999	53063	4.00%	0.309%
88	12.351	1759	1762	1766	rVB	218757	189370	14.29%	1.104%
89	12.398	1768	1770	1776	rBV6	23991	39032	2.94%	0.227%
90	12.574	1796	1800	1802	rBV	197134	176310	13.30%	1.027%
91	12.621	1806	1808	1810	rBV	51276	39680	2.99%	0.231%
92	12.727	1822	1826	1833	rVB	960855	849423	64.08%	4.950%
93	12.910	1855	1857	1860	rVB2	61218	42840	3.23%	0.250%
94	12.980	1866	1869	1871	rVB2	60120	56219	4.24%	0.328%
95	13.174	1901	1902	1905	rVB3	60655	32618	2.46%	0.190%
96	13.321	1924	1927	1930	rBV2	90479	84785	6.40%	0.494%
97	13.651	1979	1983	1989	rVB3	120113	191398	14.44%	1.115%
98	13.774	2000	2004	2006	rBV2	579810	620538	46.81%	3.616%
99	14.562	2136	2138	2144	rBV2	121952	168140	12.68%	0.980%
100	15.162	2237	2240	2243	rVB	281676	307571	23.20%	1.792%

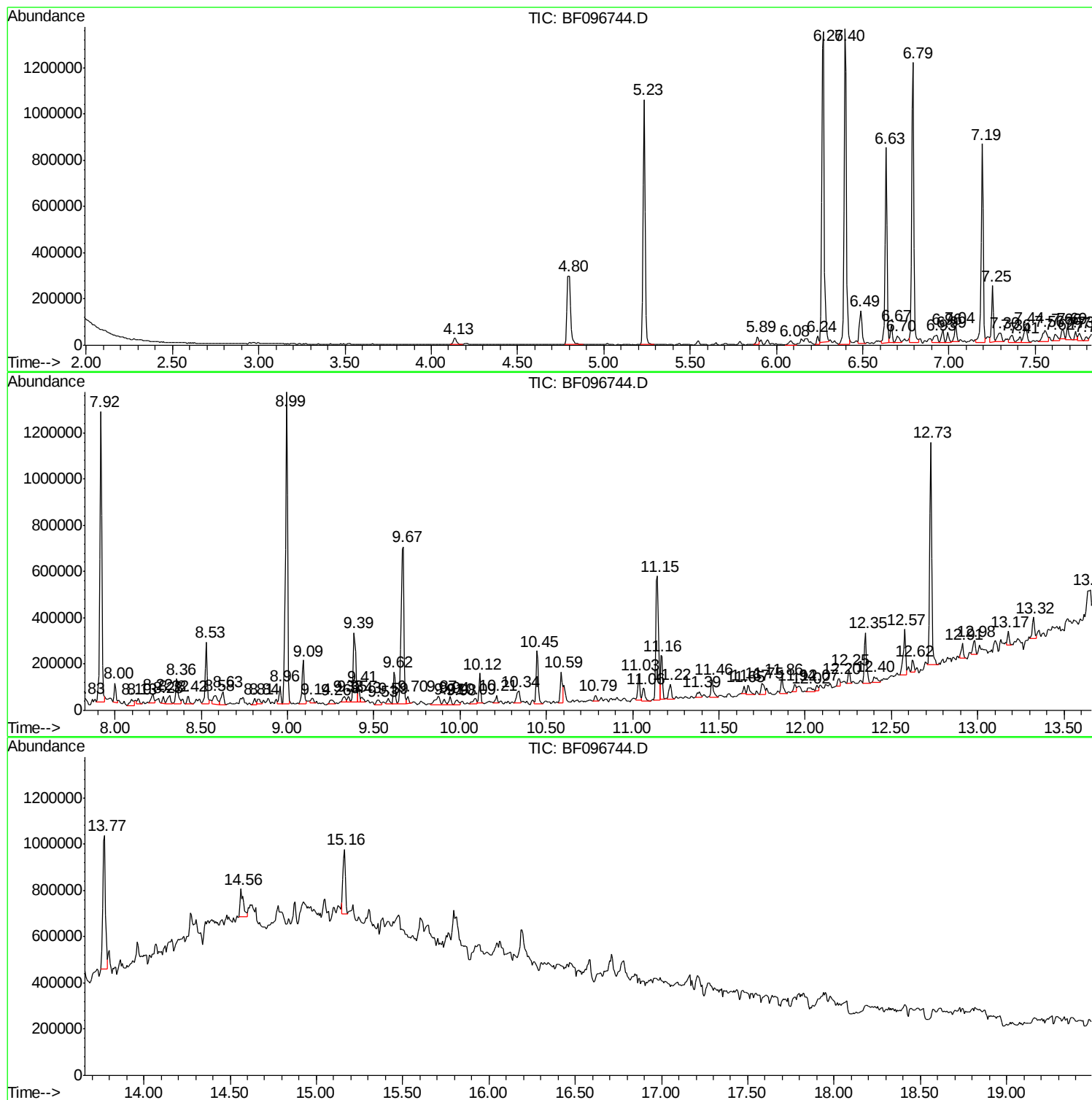
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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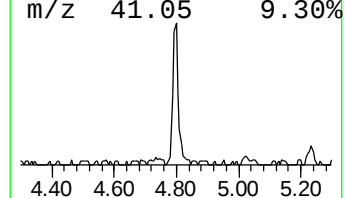
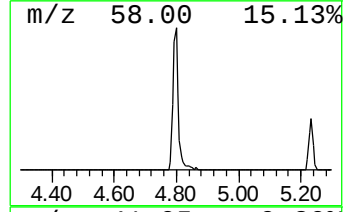
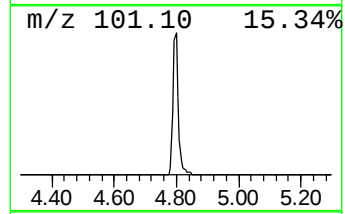
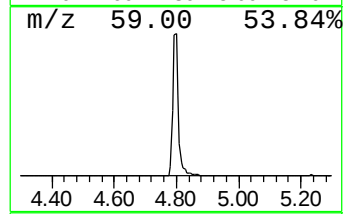
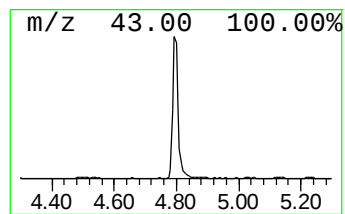
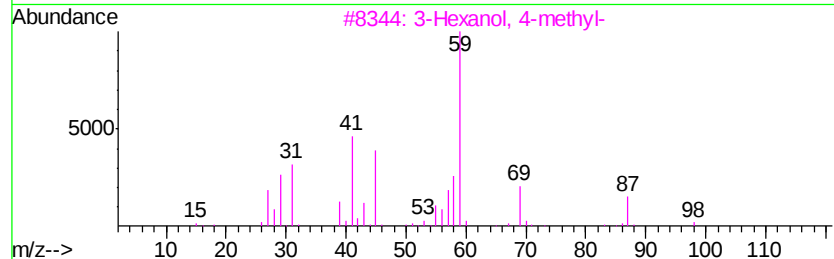
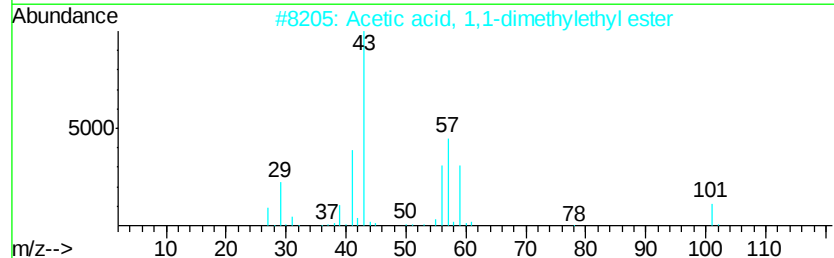
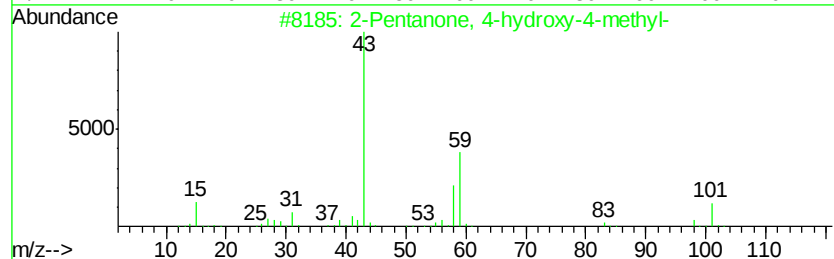
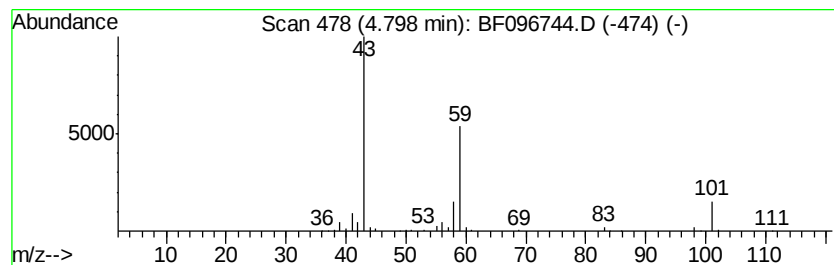
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.80	10.66 ng	371496	1,4-Dichlorobenzene-d4	6.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2		Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3		3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4		2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
5		Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23



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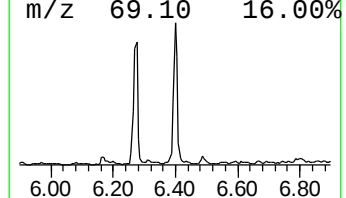
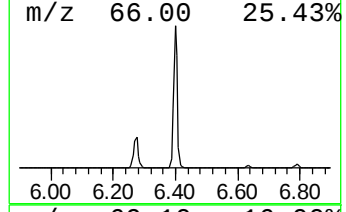
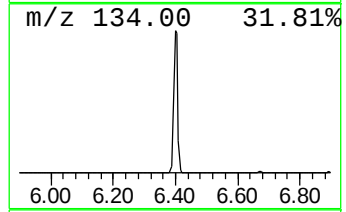
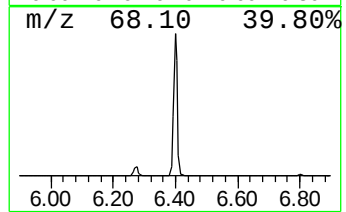
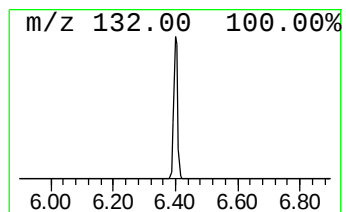
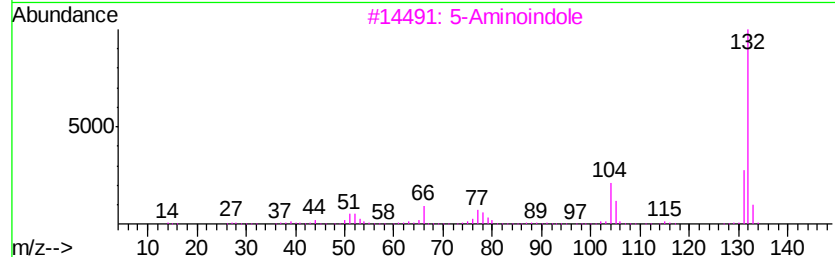
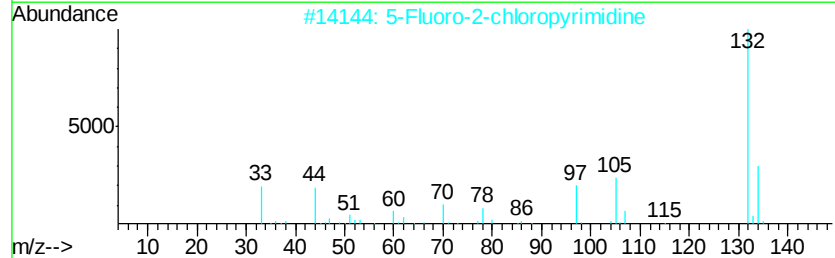
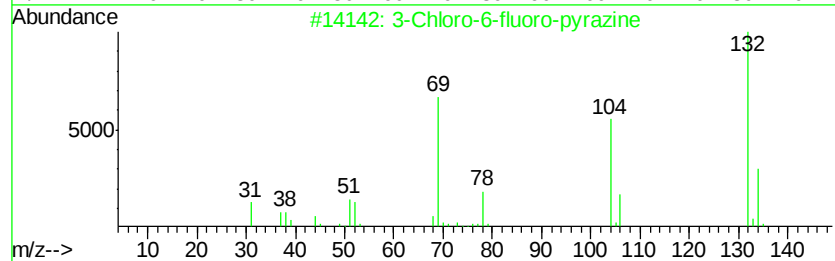
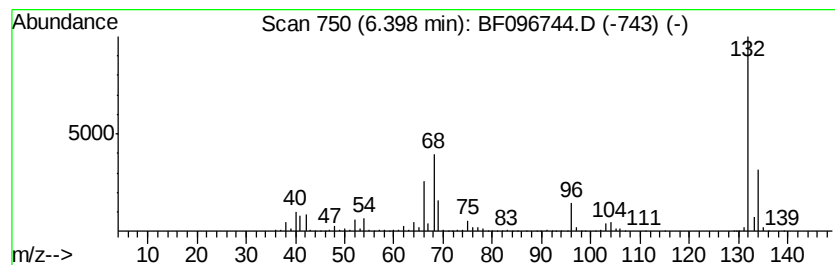
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.40 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.40	36.44 ng	1269460	1,4-Dichlorobenzene-d4	6.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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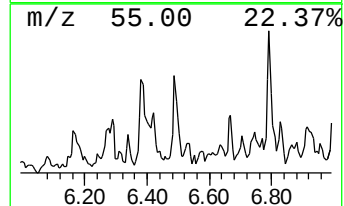
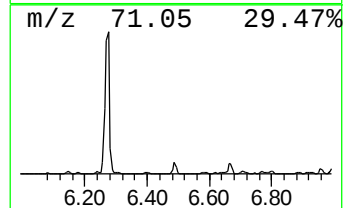
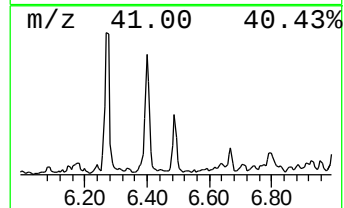
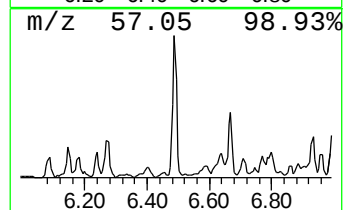
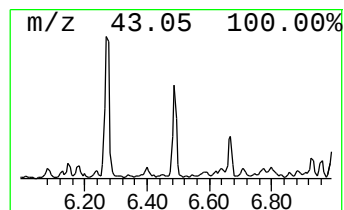
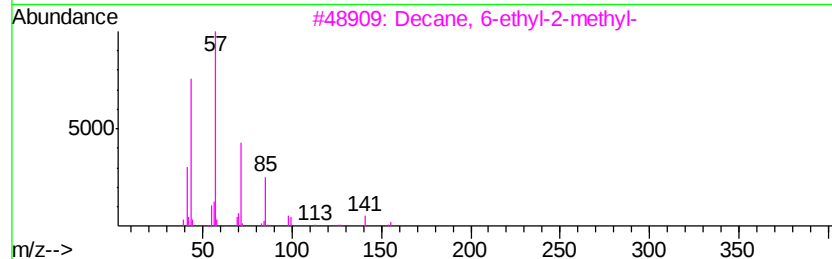
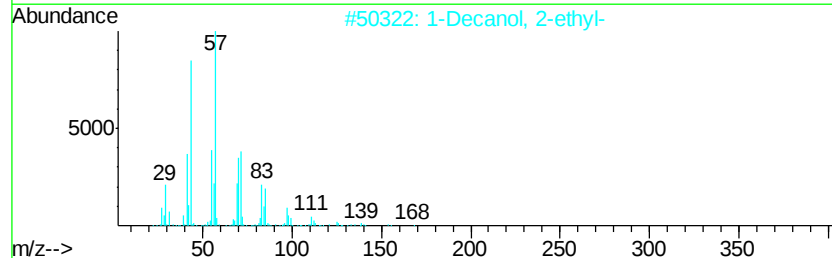
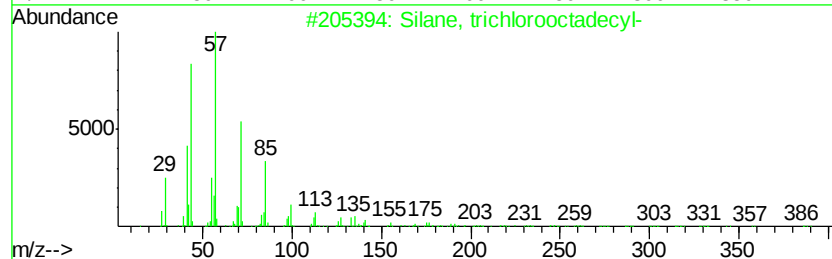
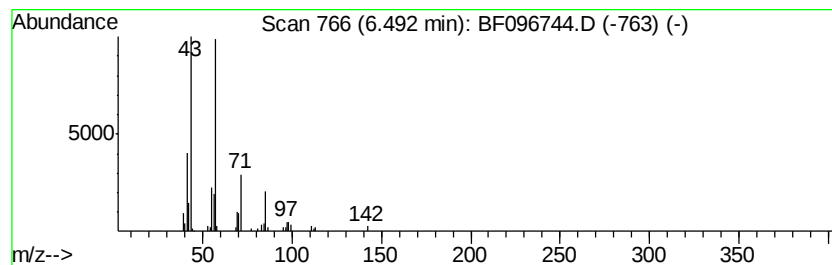
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Silane, trichlorooctadecyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	3.53 ng	123156	1,4-Dichlorobenzene-d4	6.63

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	78
2			1-Decanol, 2-ethyl-	186	C12H26O	021078-65-9	72
3			Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	72
4			Nonane, 2-methyl-	142	C10H22	000871-83-0	64
5			Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
Data File : BF096744.D
Acq On : 13 Jul 2017 23:02
Operator : SJ/JU
Sample : I4146-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
FK-SF-03-001-A

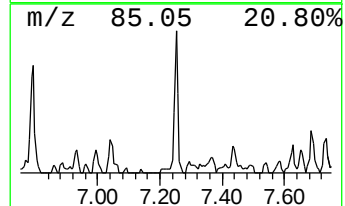
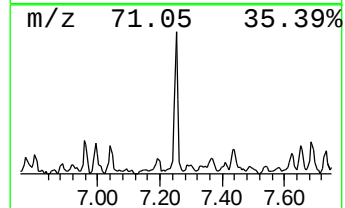
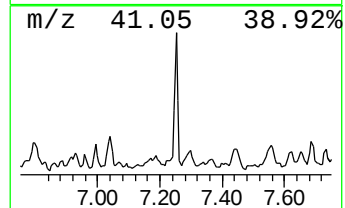
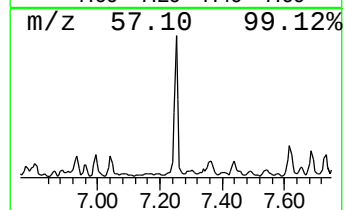
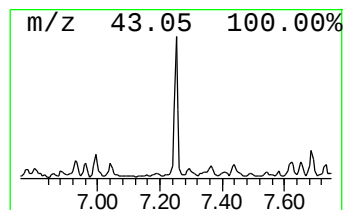
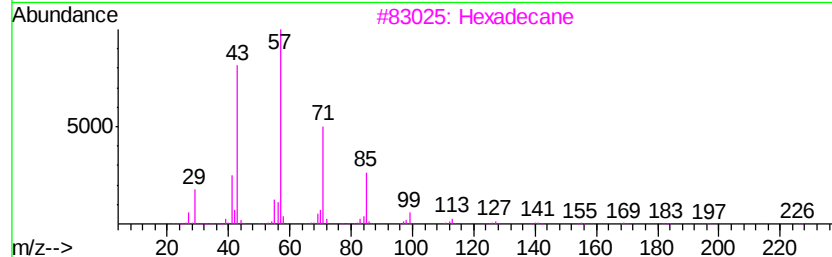
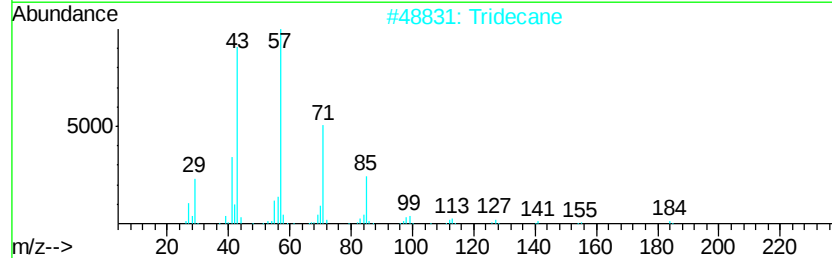
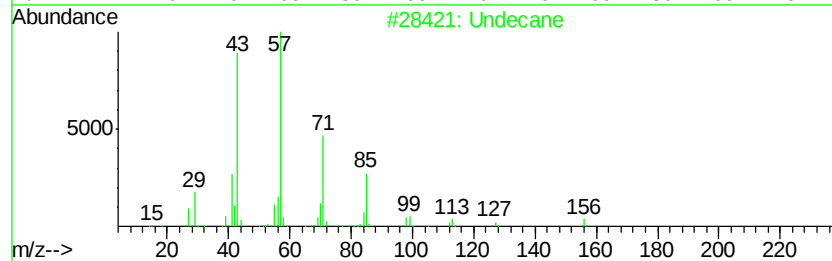
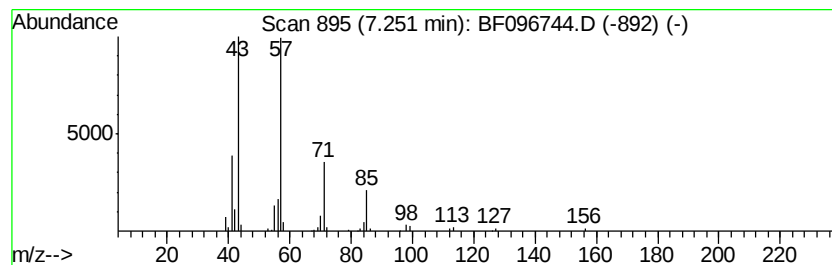
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Undecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.25	5.30 ng	184622	1,4-Dichlorobenzene-d4	6.63

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane		156	C11H24	001120-21-4	83
2	Tridecane		184	C13H28	000629-50-5	78
3	Hexadecane		226	C16H34	000544-76-3	72
4	Decane, 6-ethyl-2-methyl-		184	C13H28	062108-21-8	72
5	Silane, trichlorooctadecyl-		386	C18H37Cl3Si	000112-04-9	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
Data File : BF096744.D
Acq On : 13 Jul 2017 23:02
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ClientSampleId :
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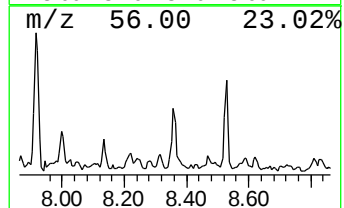
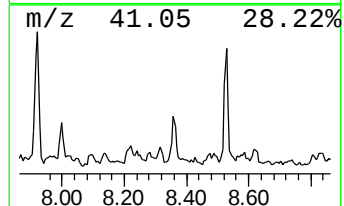
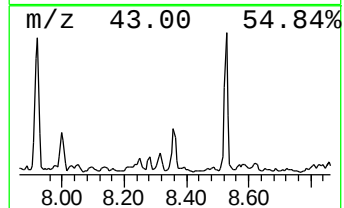
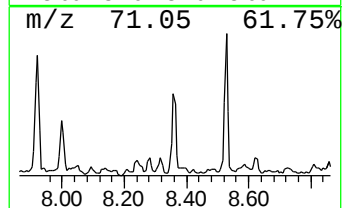
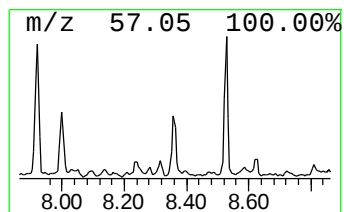
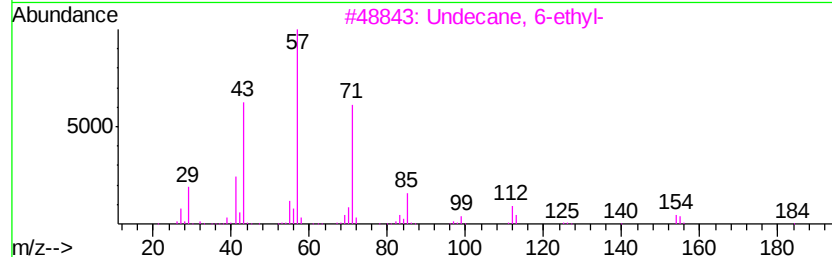
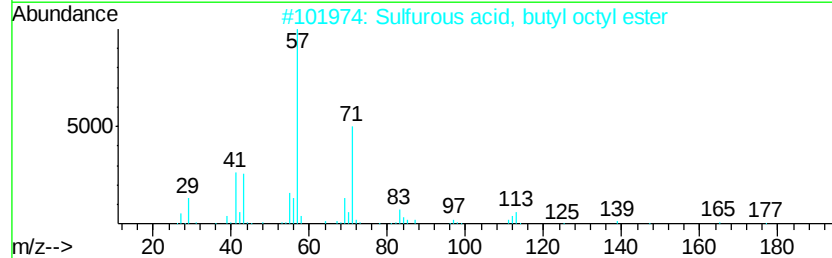
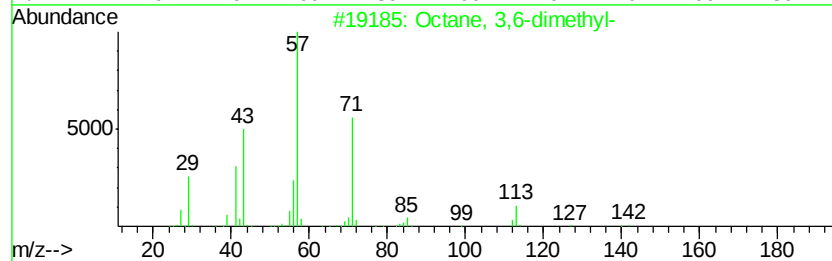
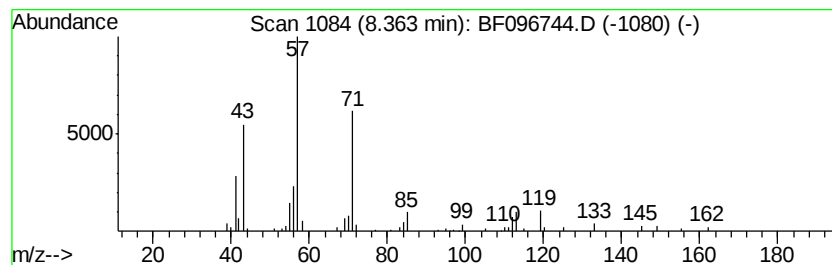
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Octane, 3,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.36	2.10 ng	111883	Napthalene-d8	7.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	72
2		Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	64
3		Undecane, 6-ethyl-	184	C13H28	017312-60-6	64
4		Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	59
5		Oxalic acid, isobutyl pentyl ester	216	C11H20O4	1000309-37-0	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
Data File : BF096744.D
Acq On : 13 Jul 2017 23:02
Operator : SJ/JU
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ALS Vial : 24 Sample Multiplier: 1

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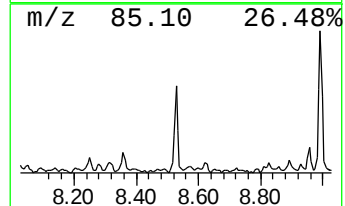
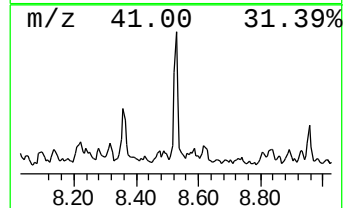
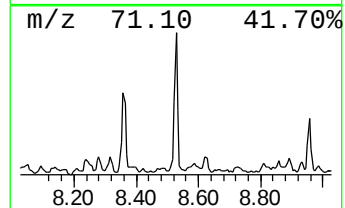
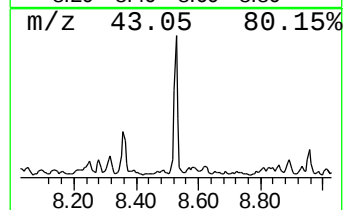
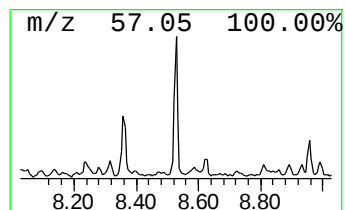
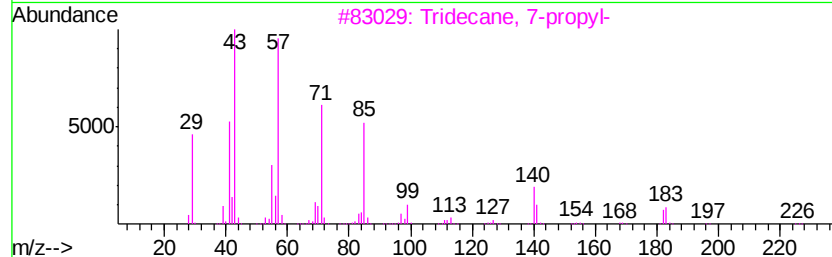
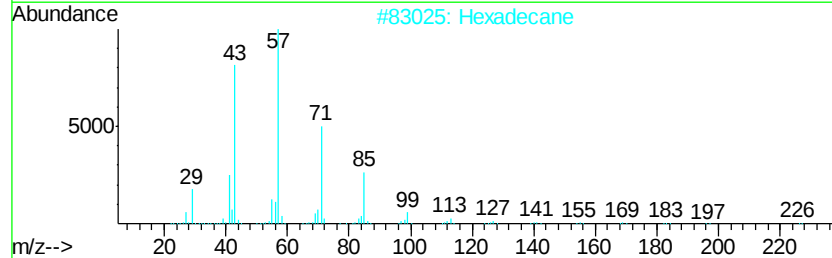
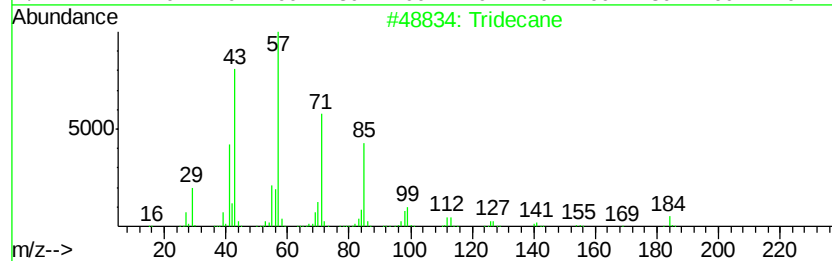
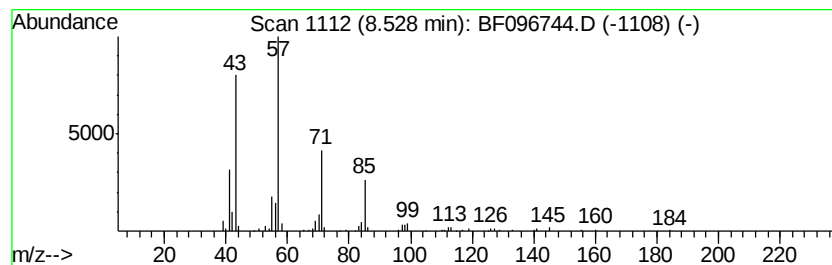
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Tridecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.53	4.16 ng	221493	Napthalene-d8	7.92

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane		184	C13H28	000629-50-5	90
2	Hexadecane		226	C16H34	000544-76-3	90
3	Tridecane, 7-propyl-		226	C16H34	055045-09-5	80
4	Undecane		156	C11H24	001120-21-4	78
5	Undecane, 4,8-dimethyl-		184	C13H28	017301-33-6	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
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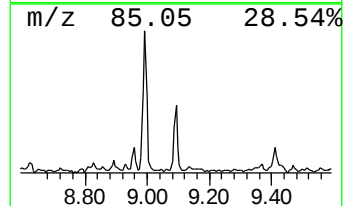
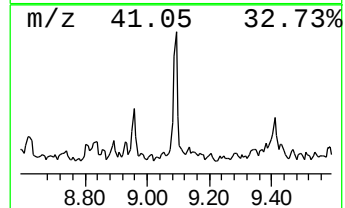
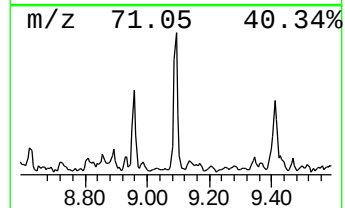
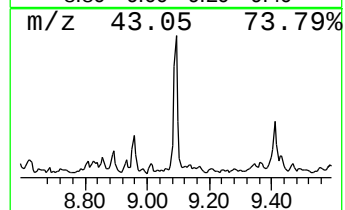
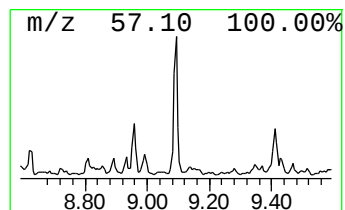
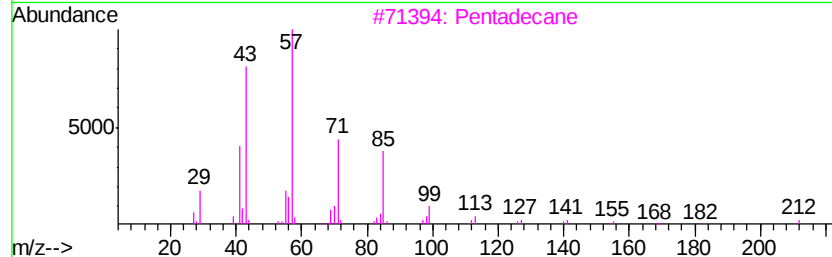
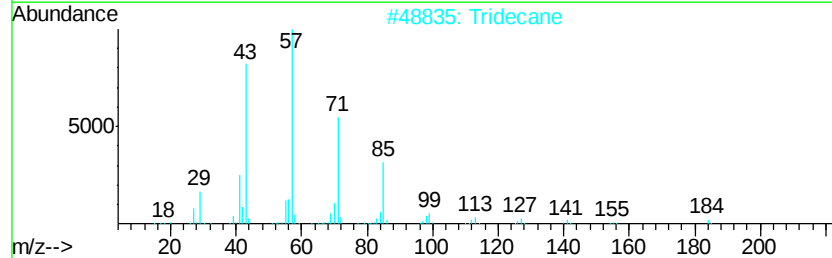
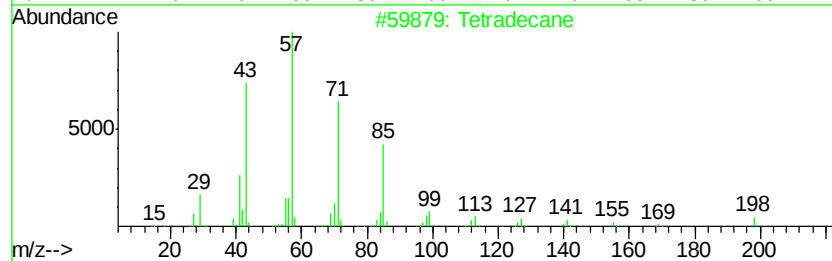
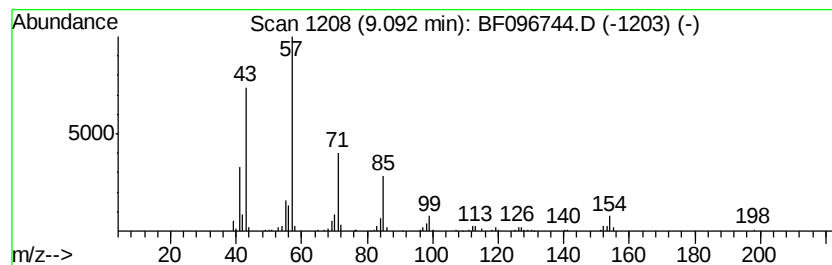
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Tetradecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	5.26 ng	174873	Acenaphthene-d10	9.66
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Tetradecane	198 C14H30	000629-59-4 91
2		Tridecane	184 C13H28	000629-50-5 90
3		Pentadecane	212 C15H32	000629-62-9 72
4		Undecane	156 C11H24	001120-21-4 72
5		Decane, 2,3,6-trimethyl-	184 C13H28	062238-12-4 72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
Data File : BF096744.D
Acq On : 13 Jul 2017 23:02
Operator : SJ/JU
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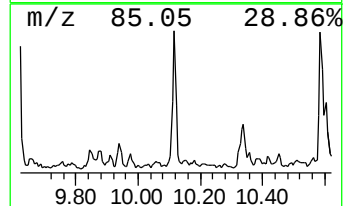
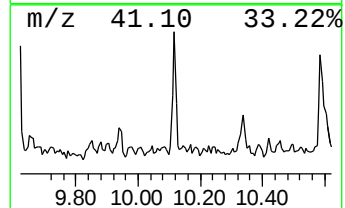
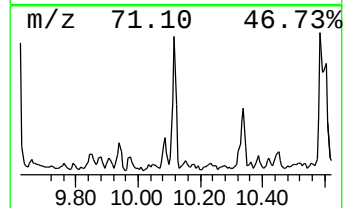
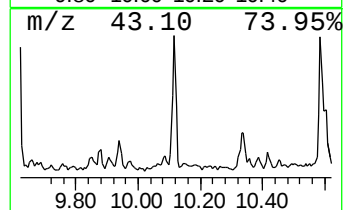
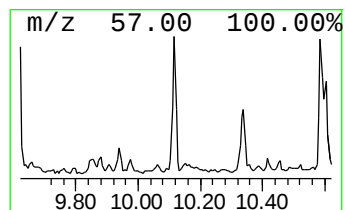
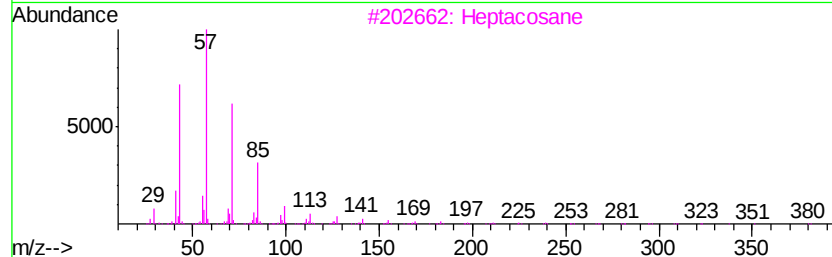
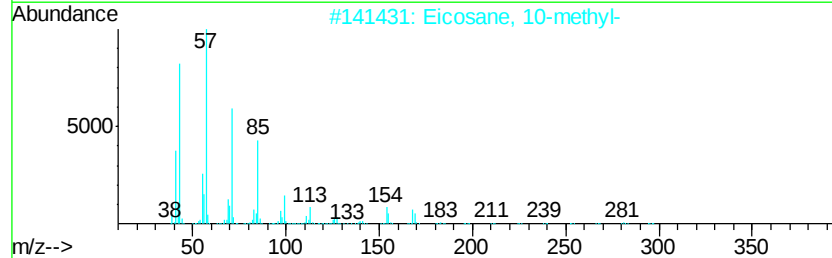
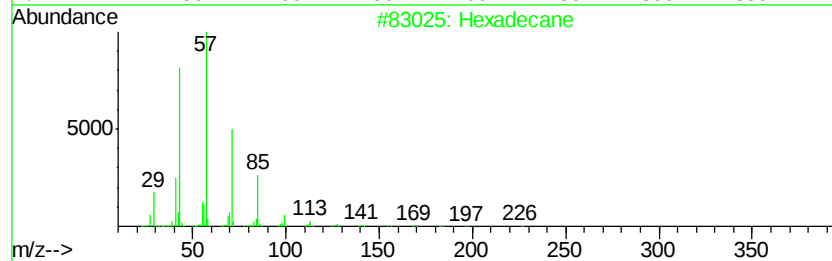
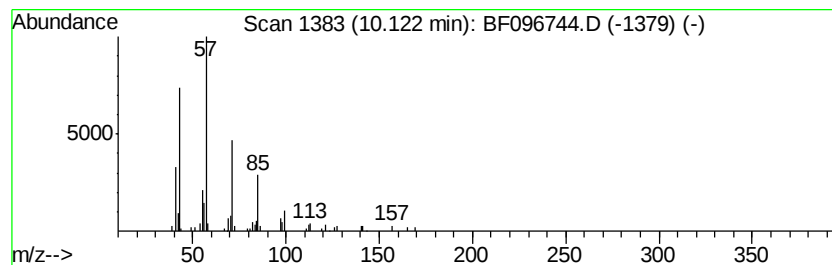
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Hexadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.12	2.76 ng	91799	Acenaphthene-d10	9.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	90
2		Eicosane, 10-methyl-	296	C21H44	054833-23-7	83
3		Heptacosane	380	C27H56	000593-49-7	80
4		Eicosane	282	C20H42	000112-95-8	78
5		Undecane, 3,9-dimethyl-	184	C13H28	017301-31-4	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
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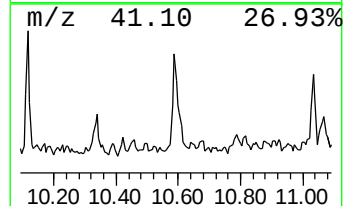
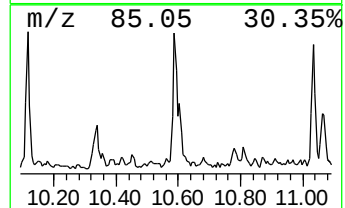
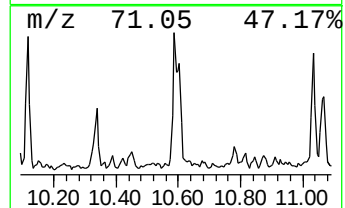
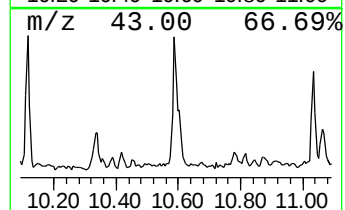
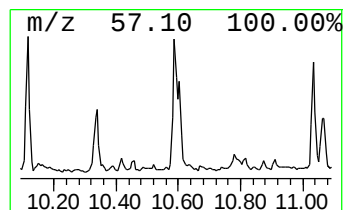
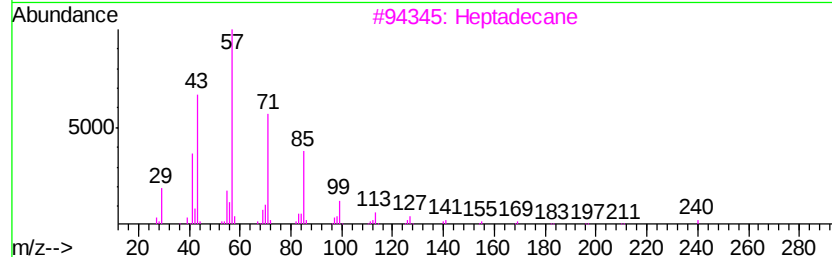
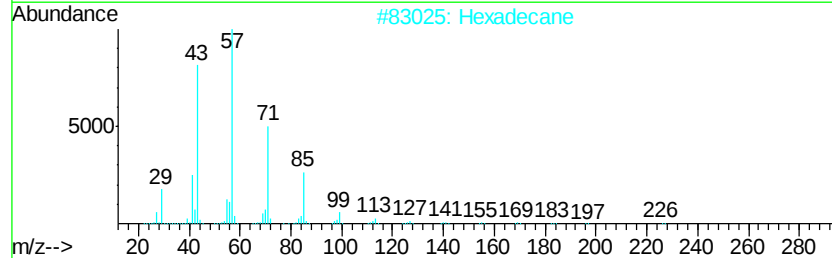
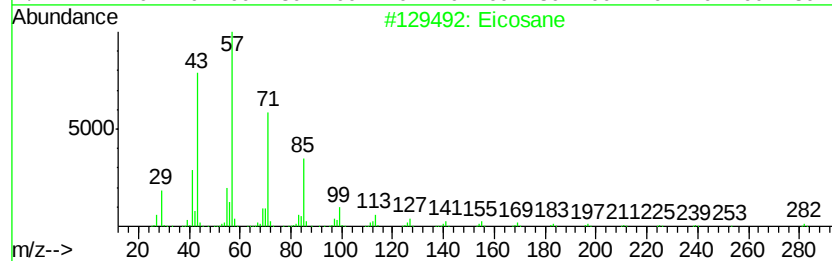
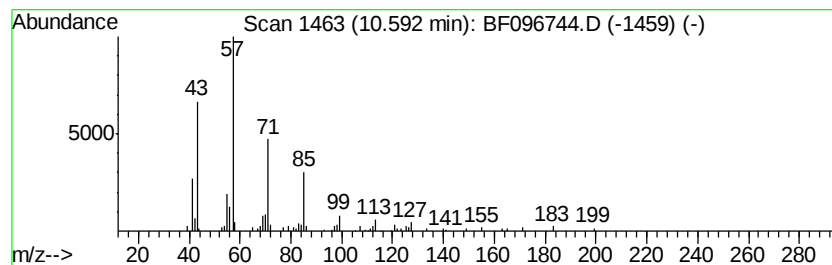
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Eicosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.59	4.91 ng	128000	Phenanthrene-d10		11.15	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane		282	C20H42	000112-95-8	90
2	Hexadecane		226	C16H34	000544-76-3	87
3	Heptadecane		240	C17H36	000629-78-7	80
4	Sulfurous acid, 2-propyl tetra...		320	C17H36O3S	1000309-12-5	72
5	Tetradecane		198	C14H30	000629-59-4	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
Data File : BF096744.D
Acq On : 13 Jul 2017 23:02
Operator : SJ/JU
Sample : I4146-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

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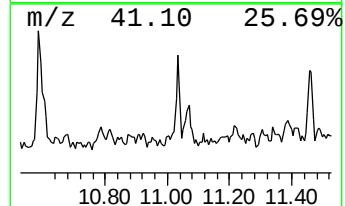
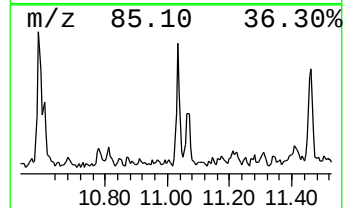
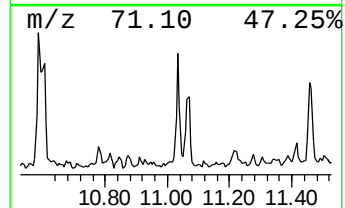
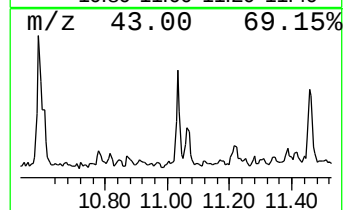
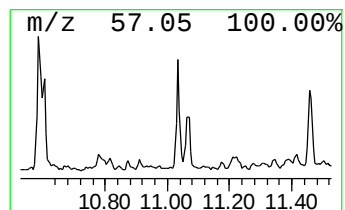
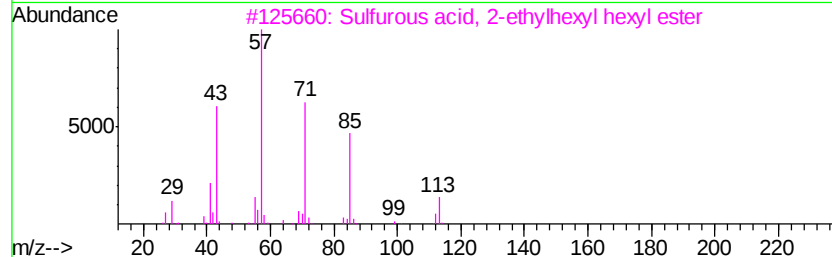
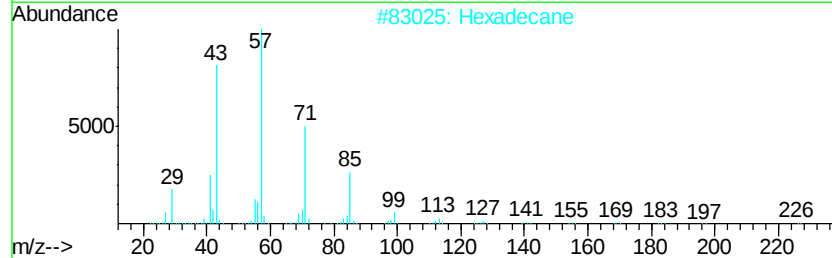
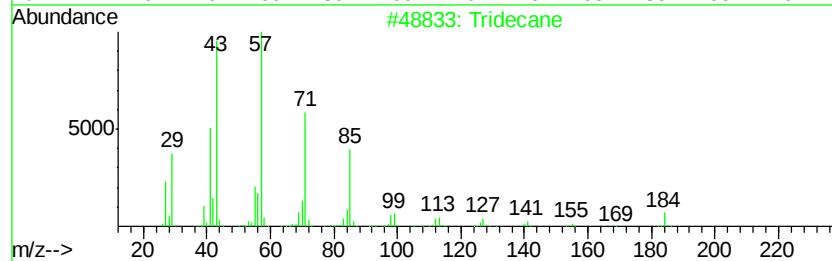
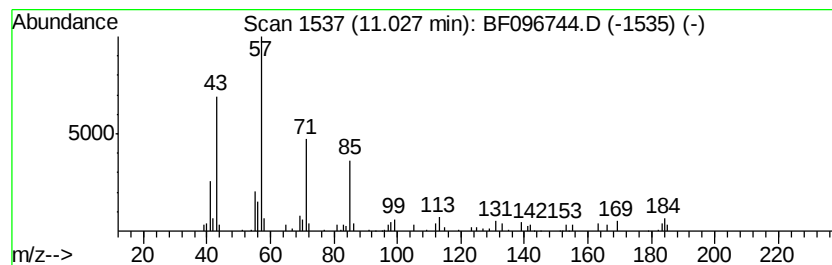
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Sulfurous acid, 2-ethylhexy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.03	3.68 ng	95873	Phenanthrene-d10	11.15

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	87
2		Hexadecane	226	C16H34	000544-76-3	72
3		Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	64
4		3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	60
5		Undecane, 2-methyl-	170	C12H26	007045-71-8	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
Data File : BF096744.D
Acq On : 13 Jul 2017 23:02
Operator : SJ/JU
Sample : I4146-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-001-A

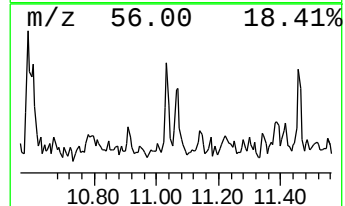
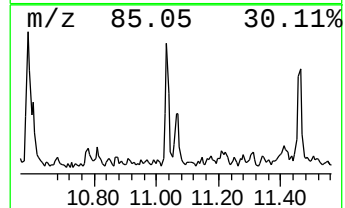
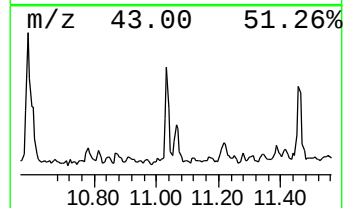
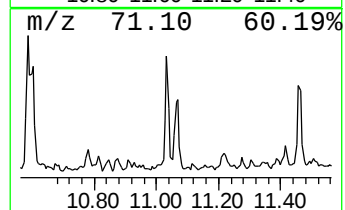
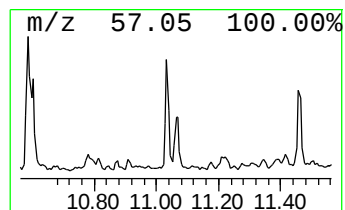
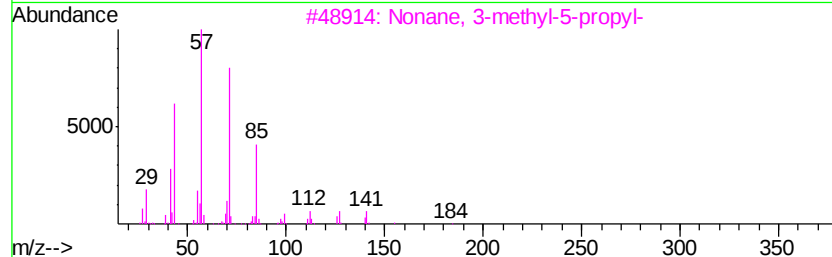
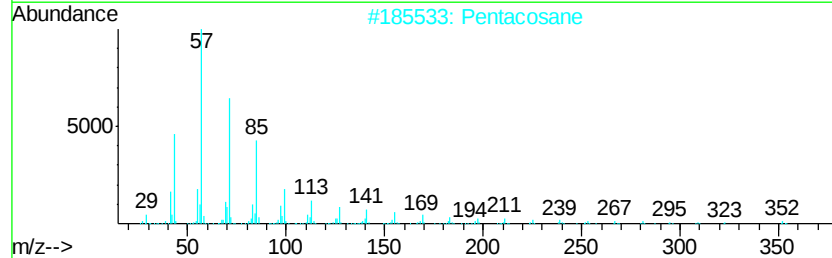
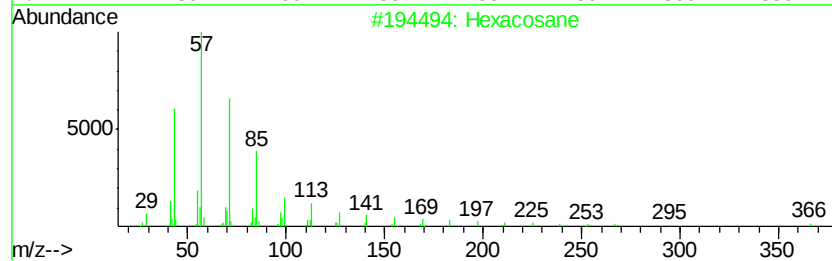
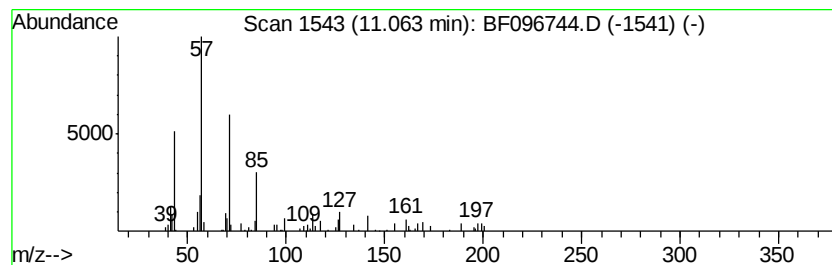
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Hexacosane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.06	2.29 ng	59657	Phenanthrene-d10	11.15

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexacosane	366	C26H54	000630-01-3	80
2		Pentacosane	352	C25H52	000629-99-2	64
3		Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	59
4		Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	53
5		Tridecane, 6-methyl-	198	C14H30	013287-21-3	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
Data File : BF096744.D
Acq On : 13 Jul 2017 23:02
Operator : SJ/JU
Sample : I4146-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
FK-SF-03-001-A

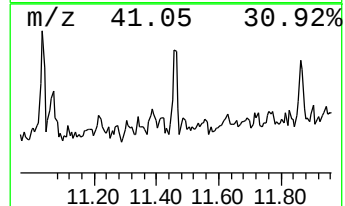
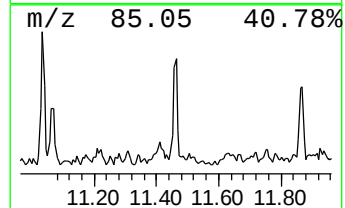
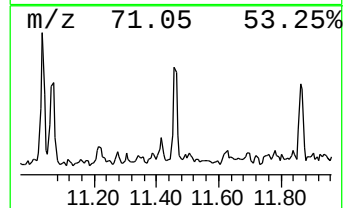
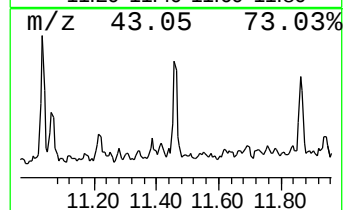
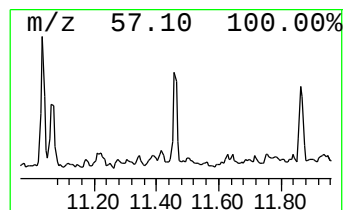
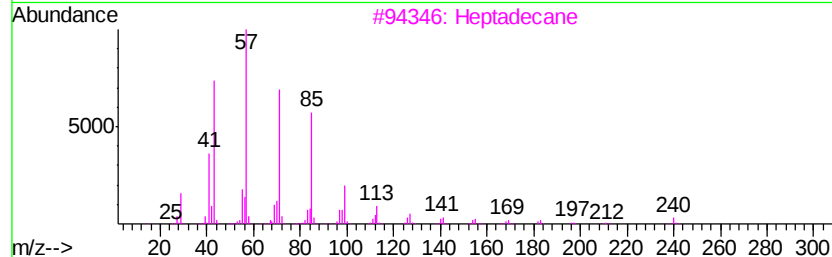
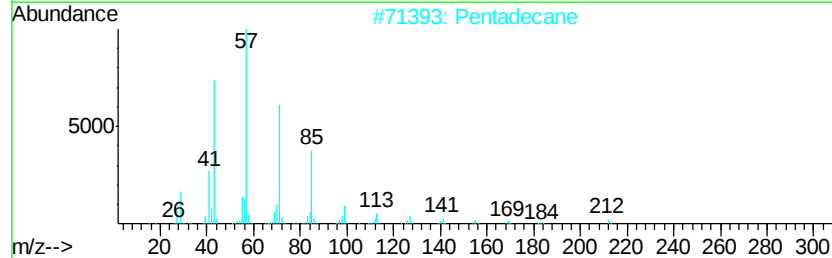
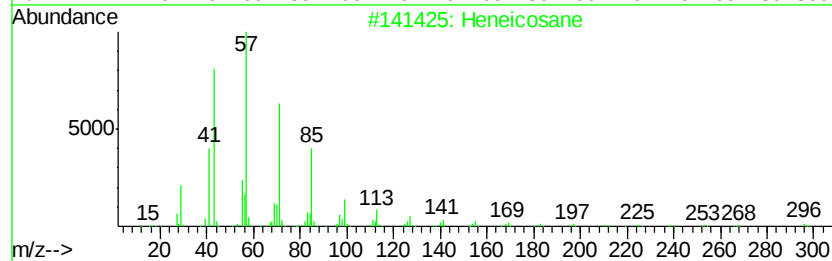
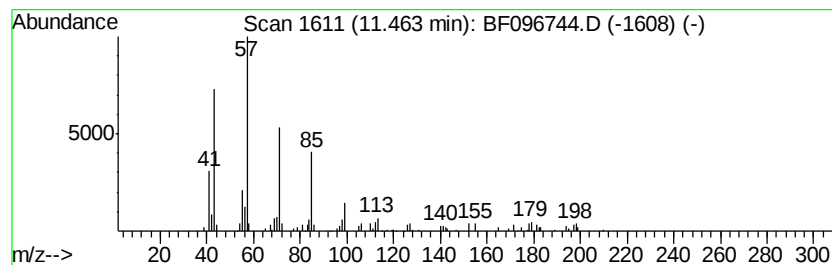
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Heneicosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.46	3.00 ng	78375	Phenanthrene-d10	11.15

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	80
2		Pentadecane	212	C15H32	000629-62-9	80
3		Heptadecane	240	C17H36	000629-78-7	74
4		Docosane	310	C22H46	000629-97-0	72
5		Eicosane, 10-methyl-	296	C21H44	054833-23-7	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
Data File : BF096744.D
Acq On : 13 Jul 2017 23:02
Operator : SJ/JU
Sample : I4146-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

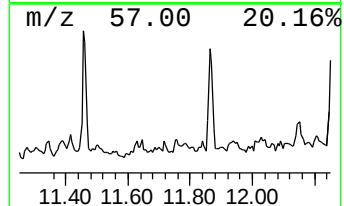
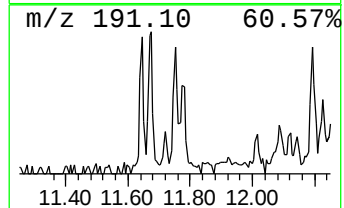
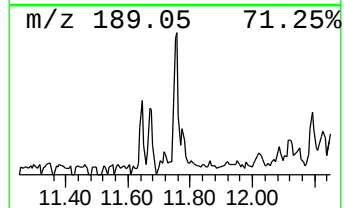
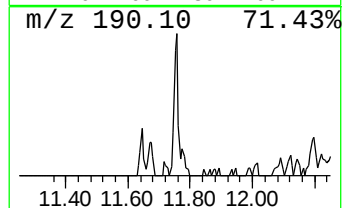
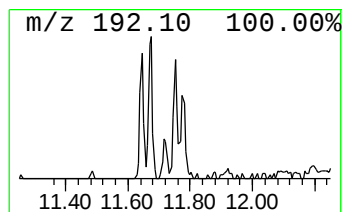
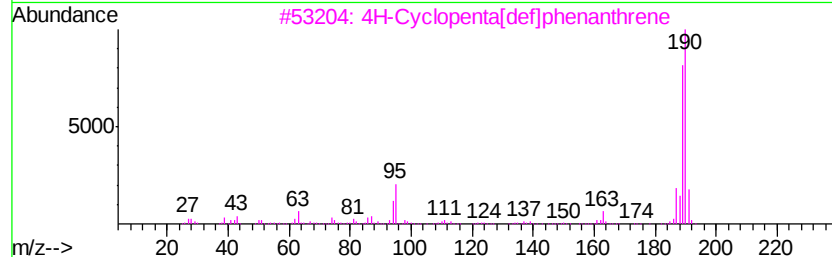
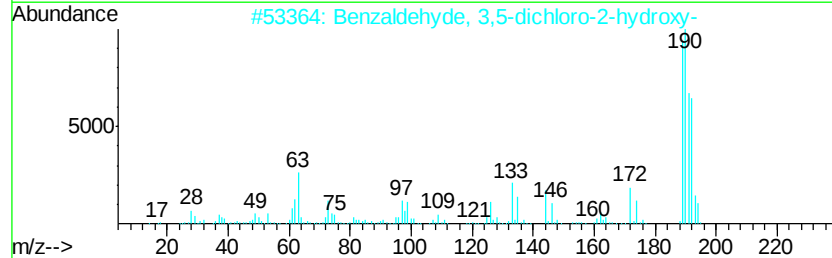
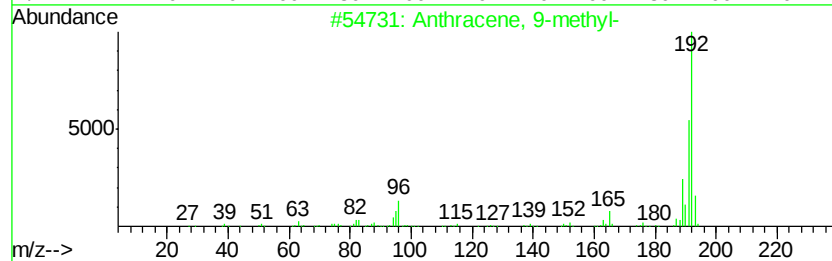
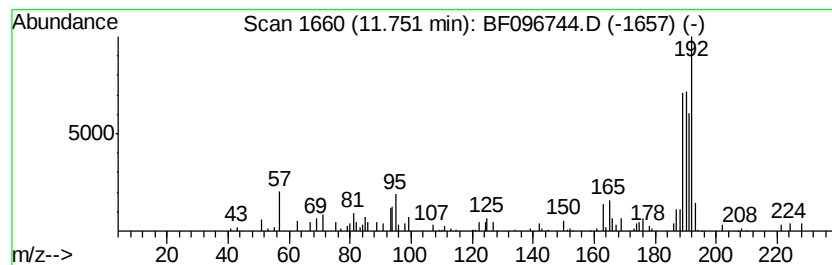
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Anthracene, 9-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.75	2.09 ng	54531	Phenanthrene-d10		11.15
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	64
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
4	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	49
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
Data File : BF096744.D
Acq On : 13 Jul 2017 23:02
Operator : SJ/JU
Sample : I4146-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
FK-SF-03-001-A

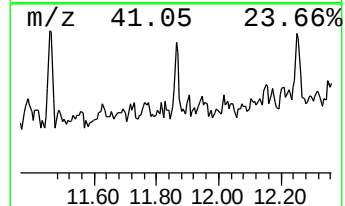
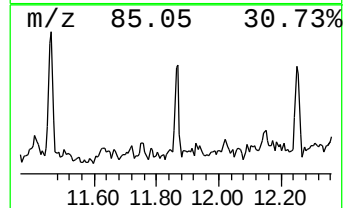
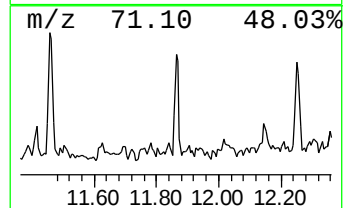
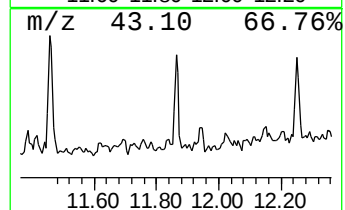
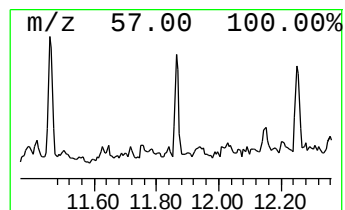
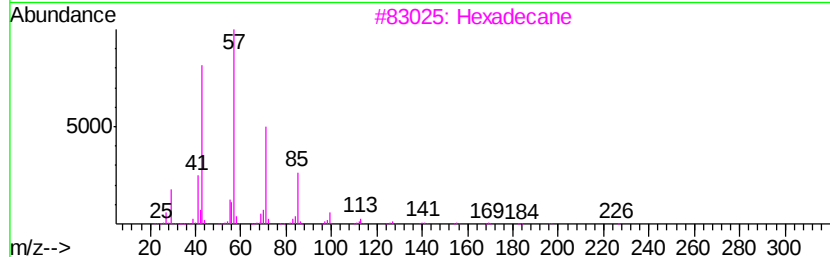
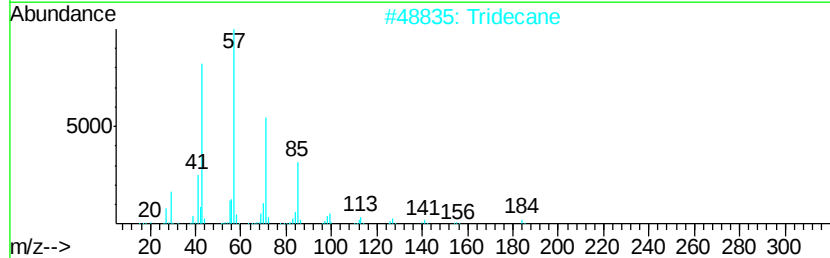
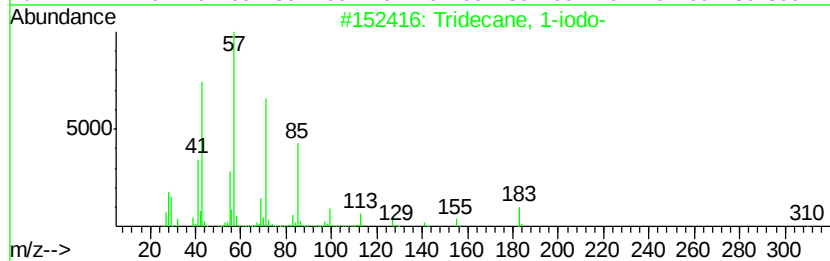
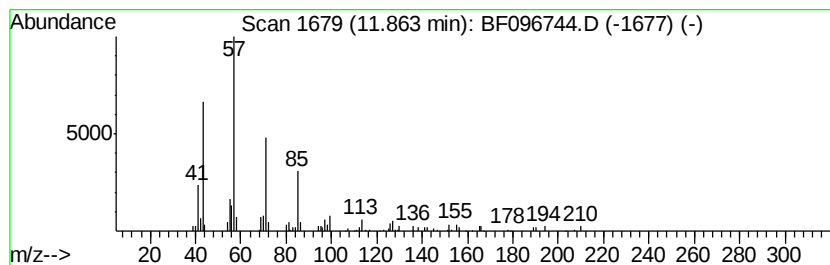
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Tridecane, 1-iodo- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	2.45 ng	63909	Phenanthrene-d10	11.15

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane, 1-iodo-	310	C13H27I	035599-77-0	80
2			Tridecane	184	C13H28	000629-50-5	72
3			Hexadecane	226	C16H34	000544-76-3	72
4			Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	72
5			Eicosane, 10-methyl-	296	C21H44	054833-23-7	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
Data File : BF096744.D
Acq On : 13 Jul 2017 23:02
Operator : SJ/JU
Sample : I4146-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
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ClientSampleId :
FK-SF-03-001-A

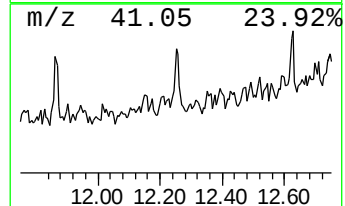
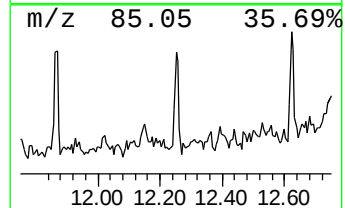
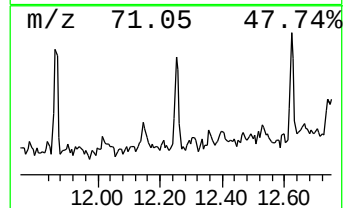
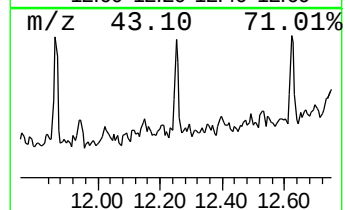
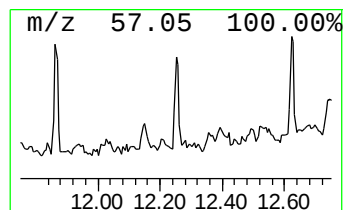
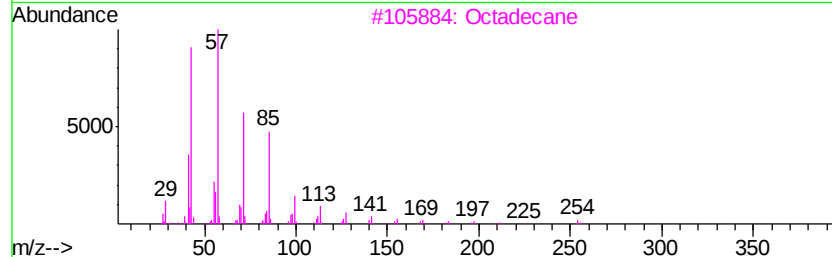
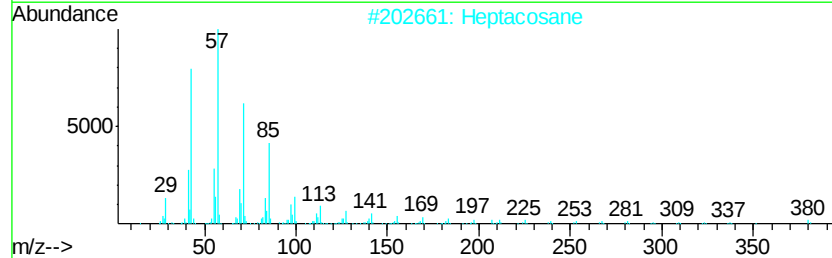
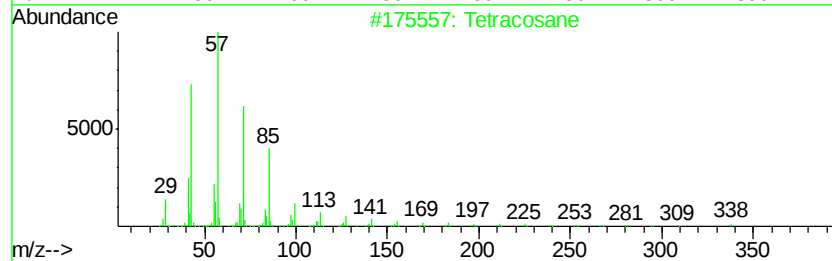
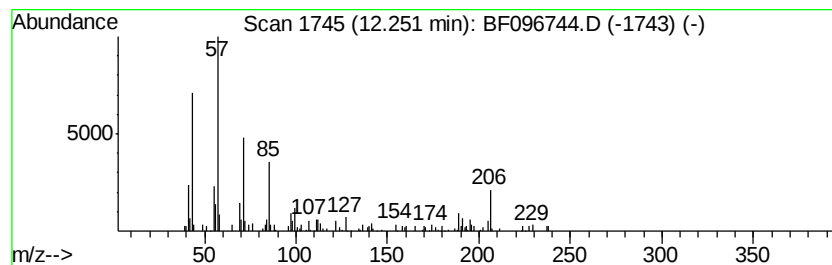
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Tetracosane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	2.03 ng	53063	Phenanthrene-d10	11.15

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetracosane	338	C24H50	000646-31-1	52
2		Heptacosane	380	C27H56	000593-49-7	52
3		Octadecane	254	C18H38	000593-45-3	52
4		Hexatriacontane	507	C36H74	000630-06-8	52
5		Hexacosane	366	C26H54	000630-01-3	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
Data File : BF096744.D
Acq On : 13 Jul 2017 23:02
Operator : SJ/JU
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Misc :
ALS Vial : 24 Sample Multiplier: 1

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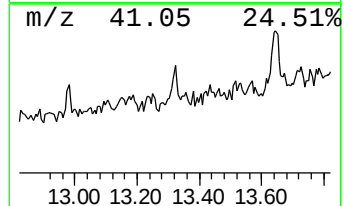
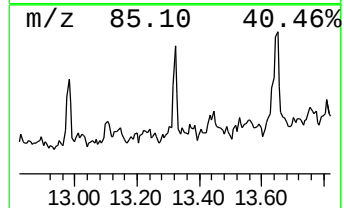
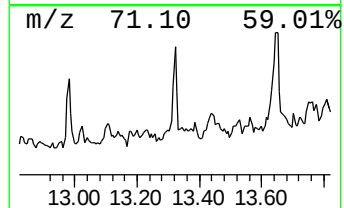
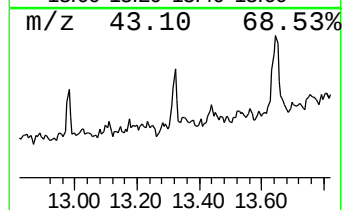
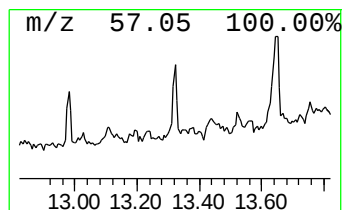
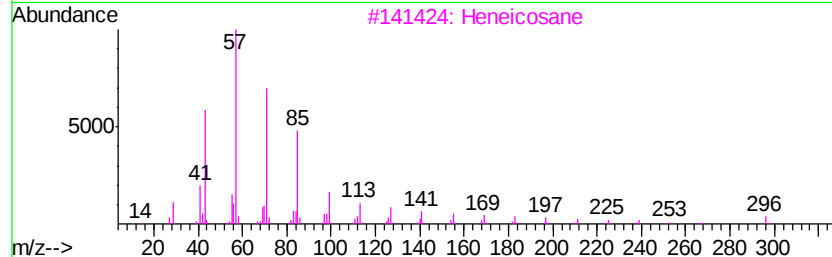
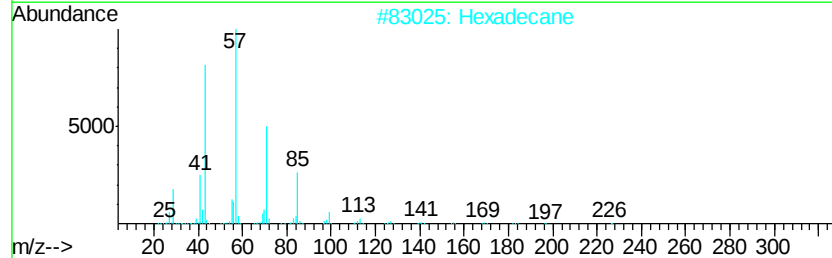
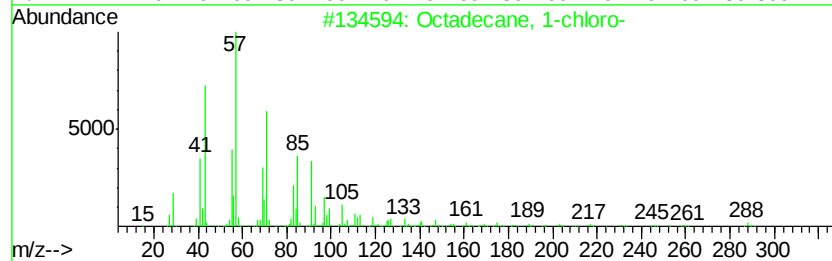
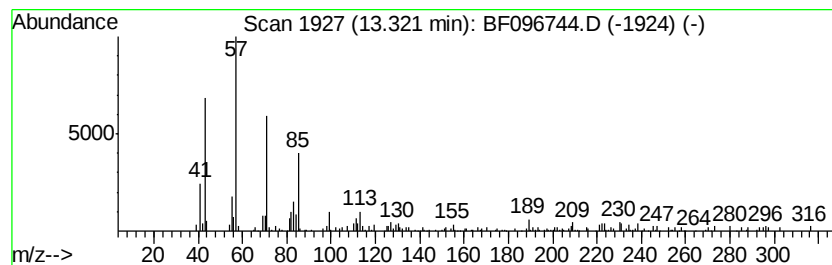
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Octadecane, 1-chloro- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	2.73 ng	84785	Chrysene-d12	13.77

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	87
2			Hexadecane	226	C16H34	000544-76-3	80
3			Heneicosane	296	C21H44	000629-94-7	80
4			Sulfurous acid, butyl tridecyl e...	320	C17H36O3S	1000309-18-0	80
5			Heptadecane	240	C17H36	000629-78-7	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
Data File : BF096744.D
Acq On : 13 Jul 2017 23:02
Operator : SJ/JU
Sample : I4146-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

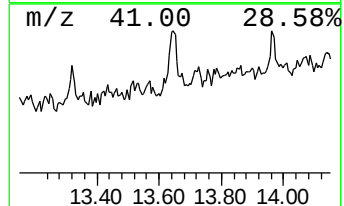
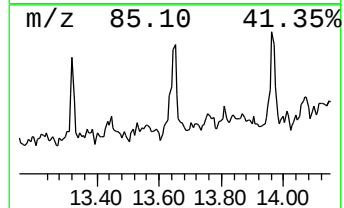
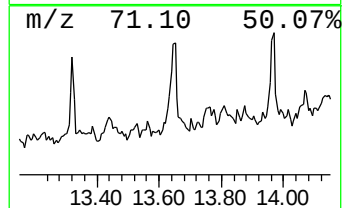
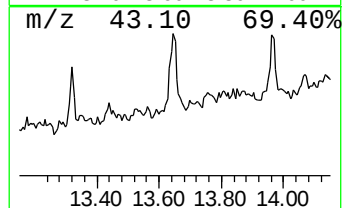
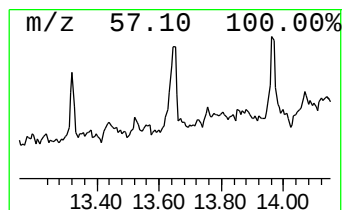
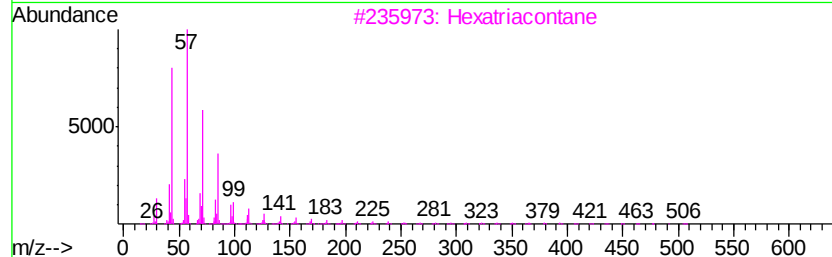
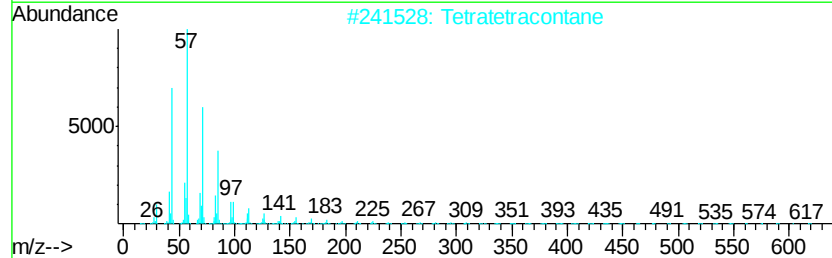
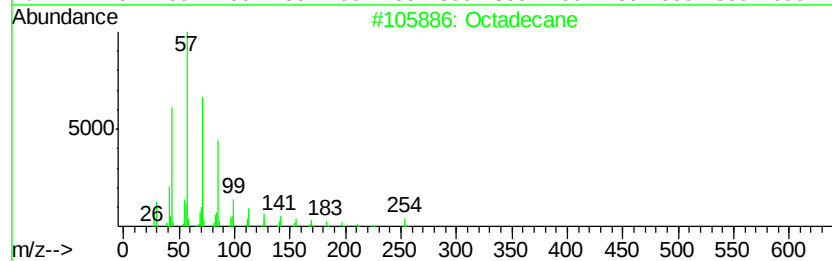
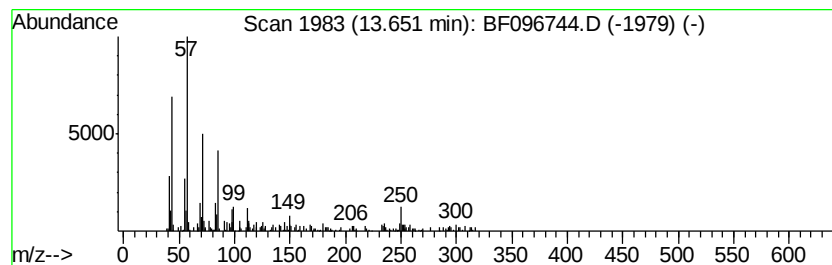
Instrument :
BNA_F
ClientSampleId :
FK-SF-03-001-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Octadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	6.17 ng	191398	Chrysene-d12	13.77
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Octadecane	254	C18H38	000593-45-3 86
2	Tetratetracontane	619	C44H90	007098-22-8 64
3	Hexatriacontane	507	C36H74	000630-06-8 64
4	Heptacosane	380	C27H56	000593-49-7 64
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1 58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
Data File : BF096744.D
Acq On : 13 Jul 2017 23:02
Operator : SJ/JU
Sample : I4146-01 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

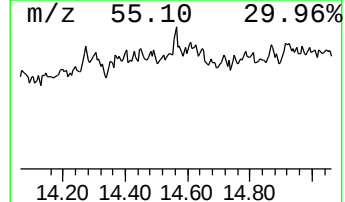
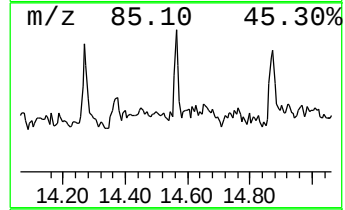
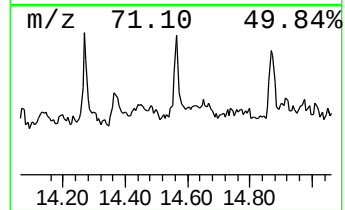
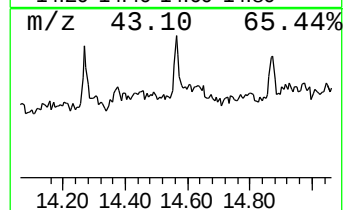
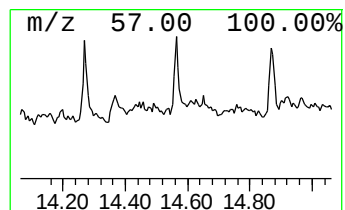
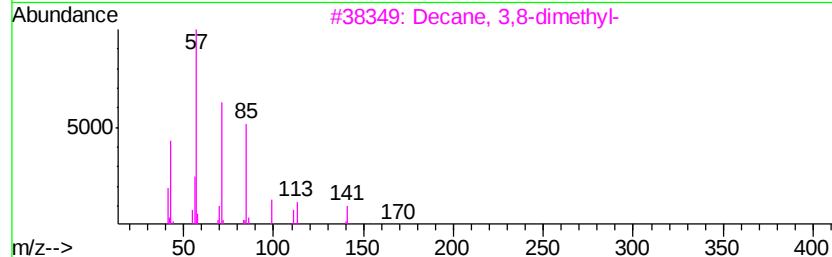
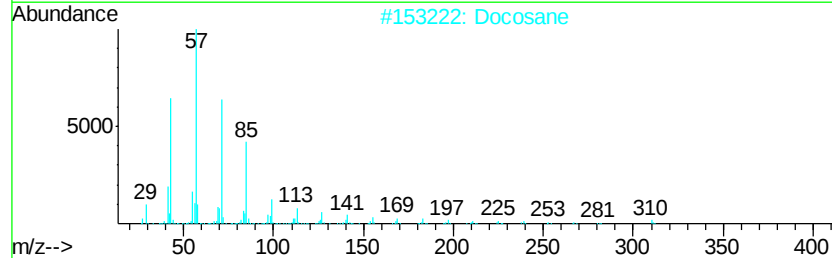
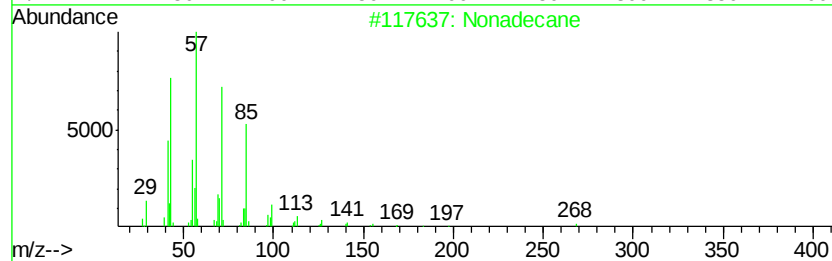
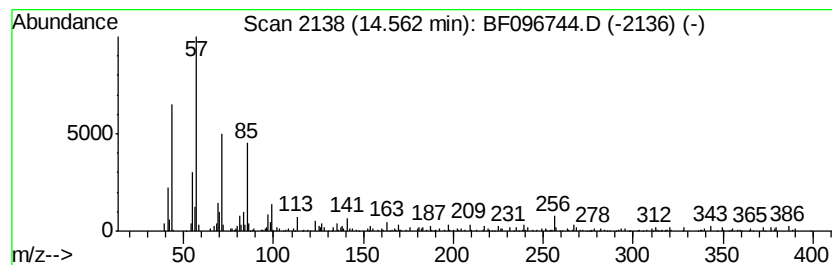
Instrument :
BNA_F
ClientSampleId :
FK-SF-03-001-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Nonadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	10.93 ng	168140	Perylene-d12	15.16
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Nonadecane	268 C19H40	000629-92-5	93
2	Docosane	310 C22H46	000629-97-0	91
3	Decane, 3,8-dimethyl-	170 C12H26	017312-55-9	83
4	Docosane, 11-butyl-	366 C26H54	013475-76-8	78
5	Tricosane, 2-methyl-	338 C24H50	001928-30-9	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071317\
 Data File : BF096744.D
 Acq On : 13 Jul 2017 23:02
 Operator : SJ/JU
 Sample : I4146-01 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-001-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.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
2-Pentanone, 4-hy...	4.80	10.7	ng	371496	1	6.63	696825	20.0
unknown6.40	6.40	36.4	ng	1269460	1	6.63	696825	20.0
Silane, trichloro...	6.49	3.5	ng	123156	1	6.63	696825	20.0
Undecane	7.25	5.3	ng	184622	1	6.63	696825	20.0
Octane, 3,6-dimet...	8.36	2.1	ng	111883	2	7.92	1064970	20.0
Tridecane	8.53	4.2	ng	221493	2	7.92	1064970	20.0
Tetradecane	9.09	5.3	ng	174873	3	9.66	664533	20.0
Hexadecane	10.12	2.8	ng	91799	3	9.66	664533	20.0
Eicosane	10.59	4.9	ng	128000	4	11.15	521652	20.0
Sulfurous acid, 2...	11.03	3.7	ng	95873	4	11.15	521652	20.0
Hexacosane	11.06	2.3	ng	59657	4	11.15	521652	20.0
Heneicosane	11.46	3.0	ng	78375	4	11.15	521652	20.0
Anthracene, 9-met...	11.75	2.1	ng	54531	4	11.15	521652	20.0
Tridecane, 1-iodo-	11.86	2.5	ng	63909	4	11.15	521652	20.0
Tetracosane	12.25	2.0	ng	53063	4	11.15	521652	20.0
Octadecane, 1-chl...	13.32	2.7	ng	84785	5	13.77	620538	20.0
Octadecane	13.65	6.2	ng	191398	5	13.77	620538	20.0
Nonadecane	14.56	10.9	ng	168140	6	15.16	307571	20.0