

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082115\
 Data File : BF081148.D
 Acq On : 21 Aug 2015 16:37
 Operator : UM/IZ
 Sample : G3319-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NCB-015CS-3(12-25FTBGS)

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-BF081715.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.910	175	177	181	rBV	16073	24777	1.20%	0.076%
2	4.664	240	243	254	rVB	668173	1327098	64.35%	4.079%
3	5.122	281	283	286	rBV	1349693	2062425	100.00%	6.340%
4	6.207	375	378	380	rBV	1881088	2022587	98.07%	6.217%
5	6.322	385	388	390	rBV	2053791	1936207	93.88%	5.952%
6	6.550	406	408	410	rBV	400811	368734	17.88%	1.133%
7	6.710	419	422	424	rBV	1530862	1309298	63.48%	4.025%
8	7.122	456	458	461	rBV	1044608	1252341	60.72%	3.849%
9	7.842	519	521	523	rBV	571116	529014	25.65%	1.626%
10	8.916	613	615	618	rVB	1653934	1461828	70.88%	4.493%
11	9.316	648	650	652	rBV	259878	222005	10.76%	0.682%
12	9.579	671	673	675	rBV	592953	535116	25.95%	1.645%
13	9.613	675	676	678	rVB	39778	27577	1.34%	0.085%
14	9.853	695	697	699	rBV	26469	45729	2.22%	0.141%
15	10.116	714	720	724	rVB2	27591	58429	2.83%	0.180%
16	10.368	739	742	744	rBV	1282910	1402724	68.01%	4.312%
17	10.505	752	754	757	rBV	41893	60139	2.92%	0.185%
18	10.665	765	768	769	rBV2	15512	21408	1.04%	0.066%
19	10.905	787	789	791	rBV2	19492	37873	1.84%	0.116%
20	10.951	791	793	794	rVB	48949	45517	2.21%	0.140%
21	11.054	799	802	805	rBV	564935	926308	44.91%	2.847%
22	11.122	805	808	810	rBV	114465	107197	5.20%	0.330%
23	11.168	810	812	813	rBV2	17554	28595	1.39%	0.088%
24	11.316	821	825	827	rBV2	43742	110208	5.34%	0.339%
25	11.454	835	837	839	rBV	61119	68807	3.34%	0.212%
26	11.545	843	845	846	rVV	86431	95736	4.64%	0.294%
27	11.579	846	848	849	rVV	68323	99714	4.83%	0.307%
28	11.625	849	852	854	rVV	901790	1282325	62.18%	3.942%
29	11.659	854	855	856	rVV	164669	177285	8.60%	0.545%
30	11.694	856	858	860	rVV	318852	453887	22.01%	1.395%
31	11.751	861	863	864	rVV	120440	199428	9.67%	0.613%
32	11.796	864	867	869	rVV4	421550	764449	37.07%	2.350%
33	11.865	869	873	874	rVV2	146737	379335	18.39%	1.166%
34	11.899	874	876	879	rVV	247459	423295	20.52%	1.301%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082115\
 Data File : BF081148.D
 Acq On : 21 Aug 2015 16:37
 Operator : UM/IZ
 Sample : G3319-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NCB-015CS-3(12-25FTBGS)

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-BF081715.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.002	883	885	891	rVB3	139670	250061	12.12%	0.769%
36	12.162	898	899	906	rVB	247111	291801	14.15%	0.897%
37	12.265	906	908	910	rVB	450401	517901	25.11%	1.592%
38	12.299	910	911	914	rBV	165856	234635	11.38%	0.721%
39	12.402	917	920	922	rBV	275045	385382	18.69%	1.185%
40	12.471	922	926	928	rVV3	897030	1628432	78.96%	5.006%
41	12.517	928	930	933	rVV2	449889	915375	44.38%	2.814%
42	12.562	933	934	938	rVV2	144184	321722	15.60%	0.989%
43	12.631	938	940	943	rVV	1089346	1460024	70.79%	4.488%
44	12.677	943	944	949	rVV2	53047	140512	6.81%	0.432%
45	12.768	949	952	954	rVV	1423256	1490282	72.26%	4.581%
46	12.802	954	955	957	rVV	70719	99763	4.84%	0.307%
47	12.882	959	962	968	rVB2	292533	449141	21.78%	1.381%
48	13.031	973	975	979	rVV2	27615	51377	2.49%	0.158%
49	13.099	979	981	983	rVB	56704	54621	2.65%	0.168%
50	13.179	986	988	990	rBV	83303	71148	3.45%	0.219%
51	13.225	990	992	996	rVB	261367	240129	11.64%	0.738%
52	13.431	1008	1010	1012	rVB3	58477	70459	3.42%	0.217%
53	13.557	1019	1021	1027	rBV	190541	293716	14.24%	0.903%
54	13.660	1027	1030	1036	rBV2	589342	1023728	49.64%	3.147%
55	13.751	1036	1038	1042	rBV3	52885	108540	5.26%	0.334%
56	13.865	1045	1048	1050	rBV	163464	178656	8.66%	0.549%
57	14.048	1062	1064	1066	rBV2	51761	77716	3.77%	0.239%
58	14.140	1070	1072	1073	rVV	22414	27004	1.31%	0.083%
59	14.162	1073	1074	1080	rVB2	106506	182679	8.86%	0.562%
60	14.357	1088	1091	1092	rBV2	23080	49927	2.42%	0.153%
61	14.460	1096	1100	1102	rVB2	109910	123781	6.00%	0.380%
62	14.505	1102	1104	1108	rBV3	21967	41855	2.03%	0.129%
63	14.574	1108	1110	1114	rVB3	21919	54110	2.62%	0.166%
64	14.642	1114	1116	1120	rBV	178396	308077	14.94%	0.947%
65	14.745	1122	1125	1127	rVB2	75354	100068	4.85%	0.308%
66	14.894	1133	1138	1140	rVV	84512	136502	6.62%	0.420%
67	14.940	1140	1142	1144	rVV	158996	160682	7.79%	0.494%
68	14.997	1144	1147	1150	rVV	372523	475950	23.08%	1.463%
69	15.054	1150	1152	1156	rVB2	46856	69814	3.39%	0.215%
70	15.408	1180	1183	1185	rBV2	30952	52362	2.54%	0.161%
71	15.500	1190	1191	1194	rVV2	15352	20813	1.01%	0.064%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082115\
Data File : BF081148.D
Acq On : 21 Aug 2015 16:37
Operator : UM/IZ
Sample : G3319-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NCB-015CS-3(12-25FTBGS)

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

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	15.591	1195	1199	1203	rVB5	14610	39207	1.90%	0.121%
73	15.808	1215	1218	1223	rVB2	18604	38209	1.85%	0.117%
74	16.037	1235	1238	1241	rBV3	12930	29494	1.43%	0.091%
75	16.163	1246	1249	1253	rVB2	47829	83720	4.06%	0.257%
76	16.368	1264	1267	1272	rVB3	9744	21932	1.06%	0.067%
77	16.517	1277	1280	1287	rVB	39580	77470	3.76%	0.238%
78	16.654	1287	1292	1294	rBV4	18299	50625	2.45%	0.156%
79	17.088	1326	1330	1337	rVB4	14740	39486	1.91%	0.121%
80	17.306	1344	1349	1356	rVB6	9983	38031	1.84%	0.117%
81	17.808	1389	1393	1399	rVB7	6721	20996	1.02%	0.065%
82	18.277	1429	1434	1440	rVB6	9581	42549	2.06%	0.131%
83	19.237	1516	1518	1526	rVB2	6596	24742	1.20%	0.076%

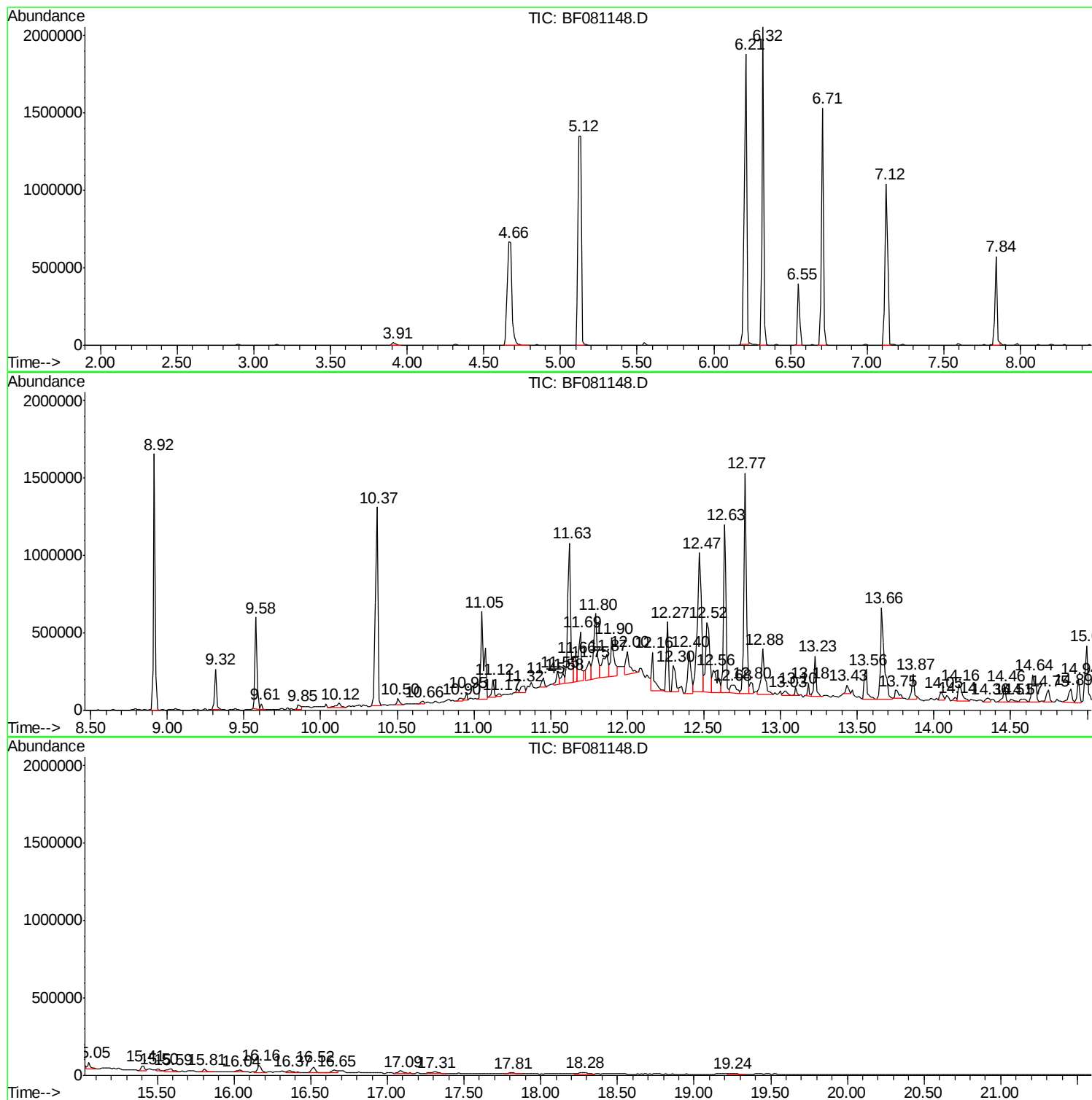
Sum of corrected areas: 32532601

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082115\
Data File : BF081148.D
Acq On : 21 Aug 2015 16:37
Operator : UM/IZ
Sample : G3319-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NCB-015CS-3(12-25FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082115\
Data File : BF081148.D
Acq On : 21 Aug 2015 16:37
Operator : UM/IZ
Sample : G3319-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

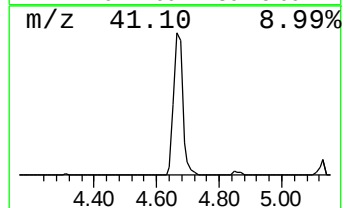
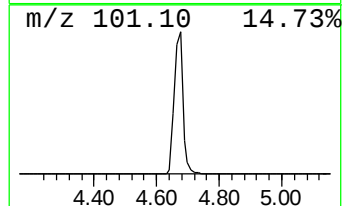
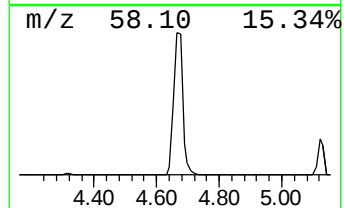
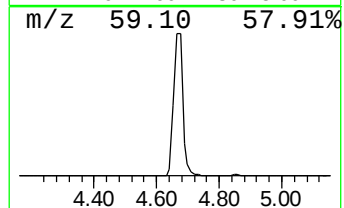
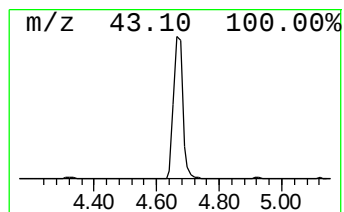
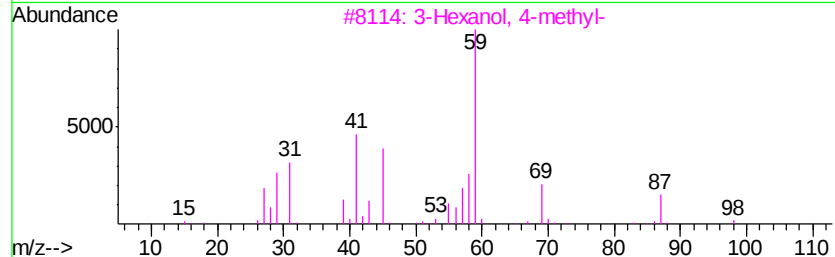
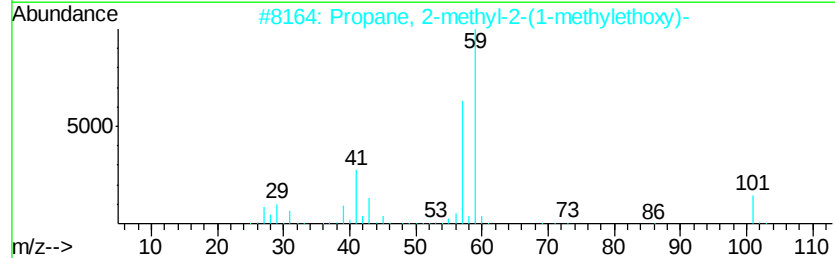
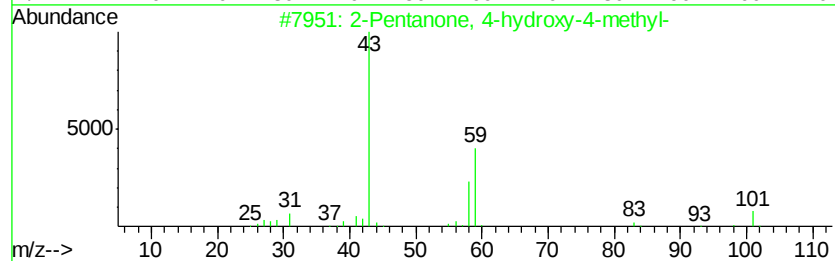
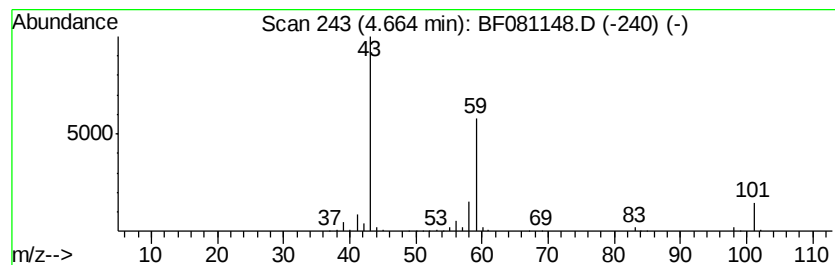
Instrument :
BNA_F
ClientSampleId :
NCB-015CS-3(12-25FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
4.66	71.98 ng	1327100	1,4-Dichlorobenzene-d4	6.55	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082115\
Data File : BF081148.D
Acq On : 21 Aug 2015 16:37
Operator : UM/IZ
Sample : G3319-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NCB-015CS-3(12-25FTBGS)

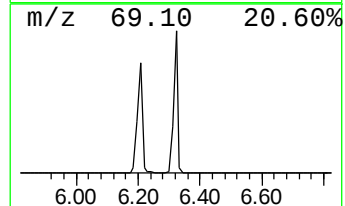
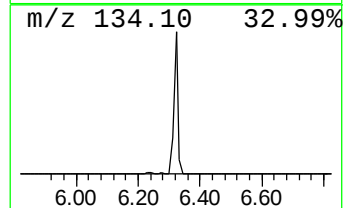
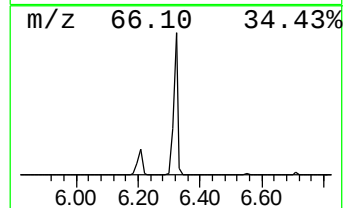
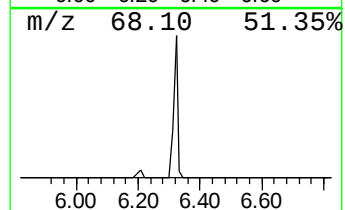
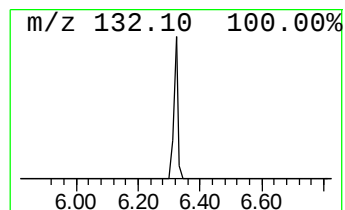
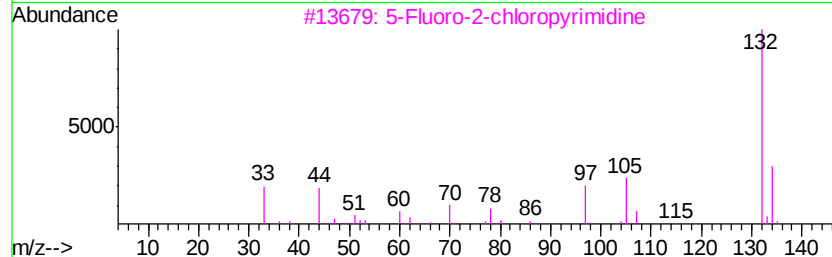
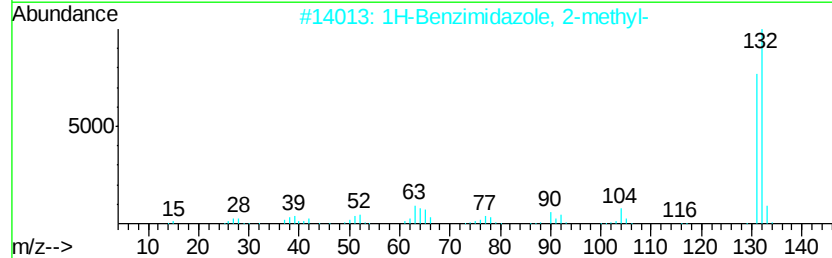
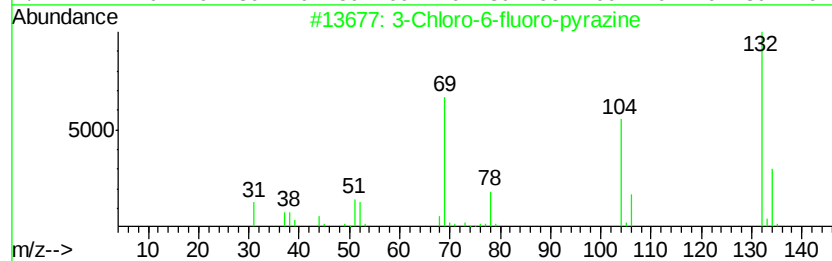
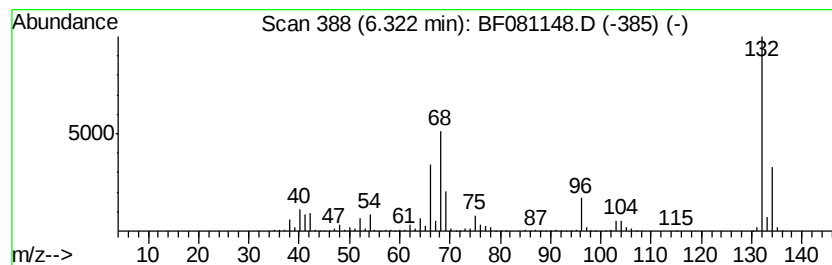
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.32 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.32	105.02 ng	1936210	1,4-Dichlorobenzene-d4	6.55

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
3		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
4		2-Cyclohexen-1-one	96	C6H8O	000930-68-7	10
5		(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082115\
Data File : BF081148.D
Acq On : 21 Aug 2015 16:37
Operator : UM/IZ
Sample : G3319-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NCB-015CS-3(12-25FTBGS)

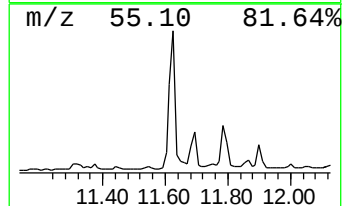
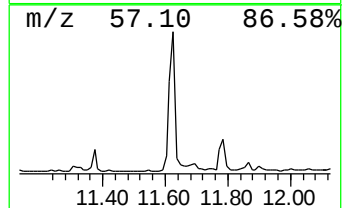
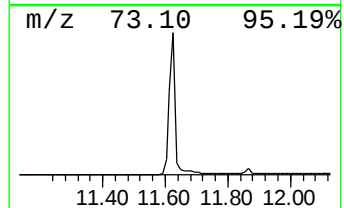
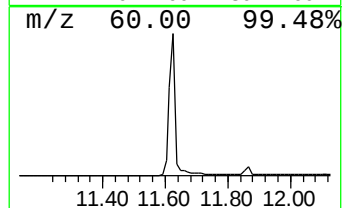
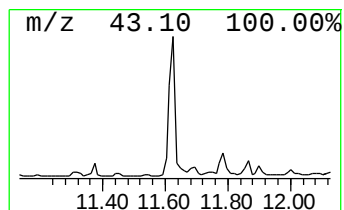
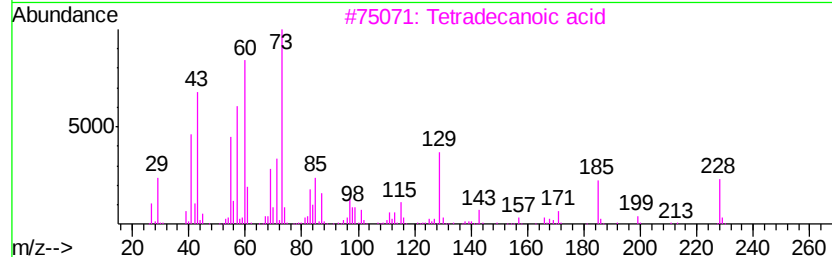
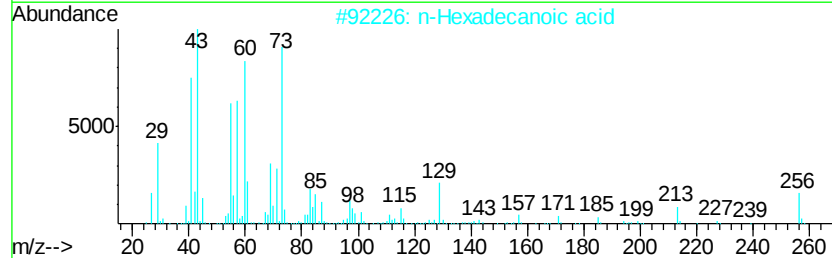
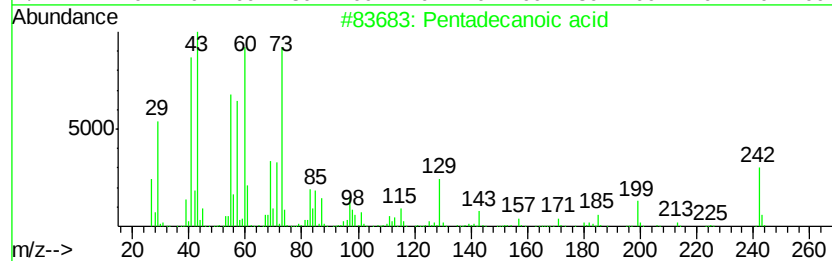
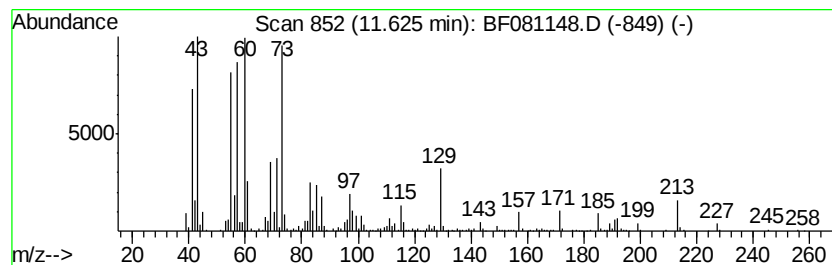
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Pentadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.63	27.69 ng	1282330	Phenanthrene-d10	11.05

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
2		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	83
3		Tetradecanoic acid	228	C14H28O2	000544-63-8	80
4		Tridecanoic acid	214	C13H26O2	000638-53-9	72
5		Undecanoic acid	186	C11H22O2	000112-37-8	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082115\
Data File : BF081148.D
Acq On : 21 Aug 2015 16:37
Operator : UM/IZ
Sample : G3319-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

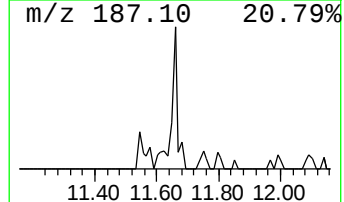
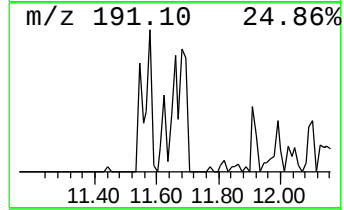
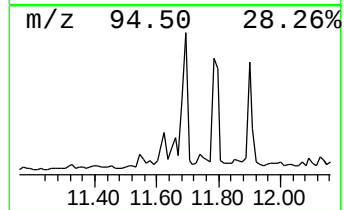
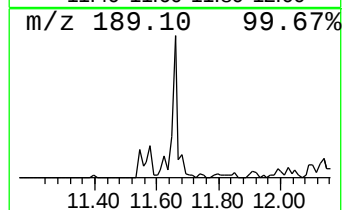
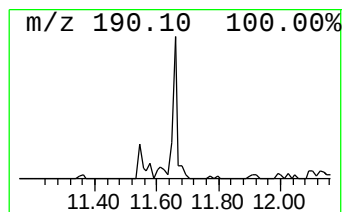
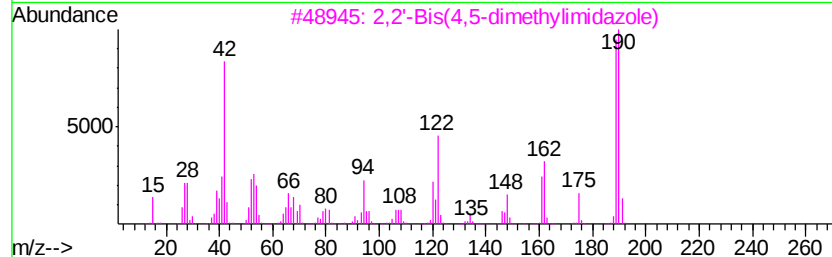
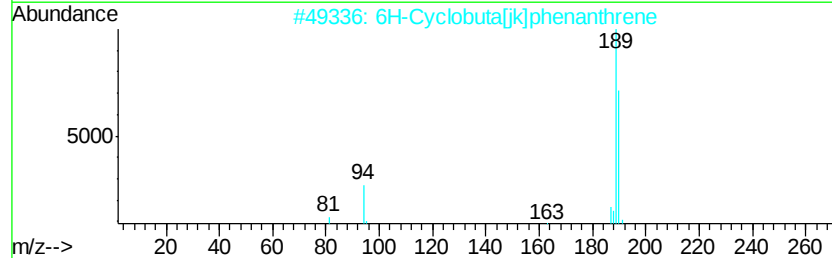
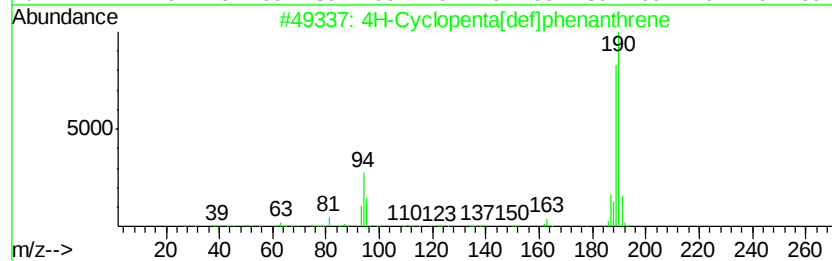
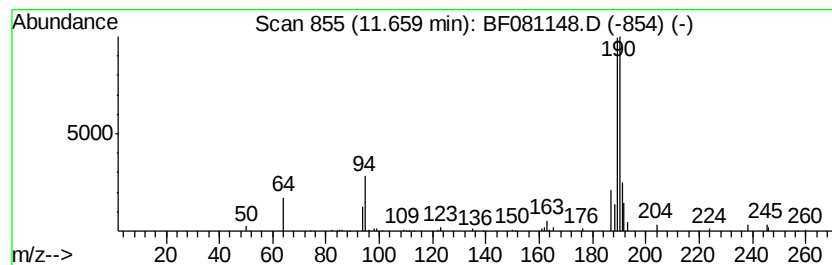
Instrument :
BNA_F
ClientSampleId :
NCB-015CS-3(12-25FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.66	3.83 ng	177285	Phenanthrene-d10	11.05		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	78
3		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40
5		2,3-Dihydro-2-methylthiazolo[3,2...	190	C10H10N2S	087215-79-0	32



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082115\
Data File : BF081148.D
Acq On : 21 Aug 2015 16:37
Operator : UM/IZ
Sample : G3319-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

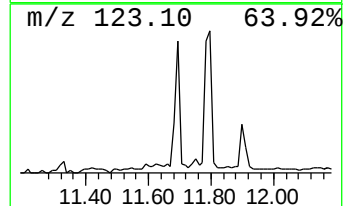
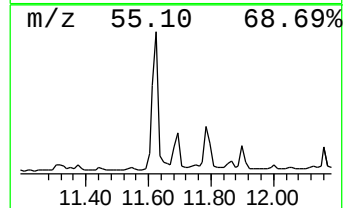
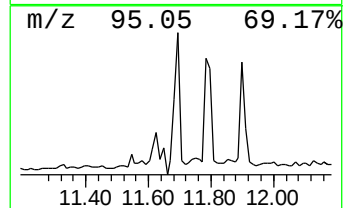
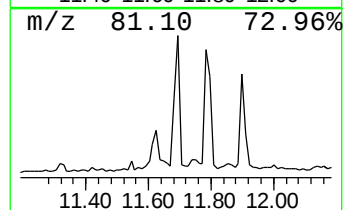
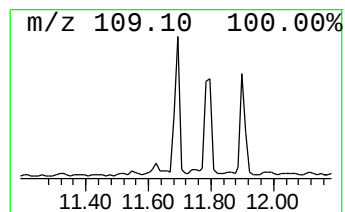
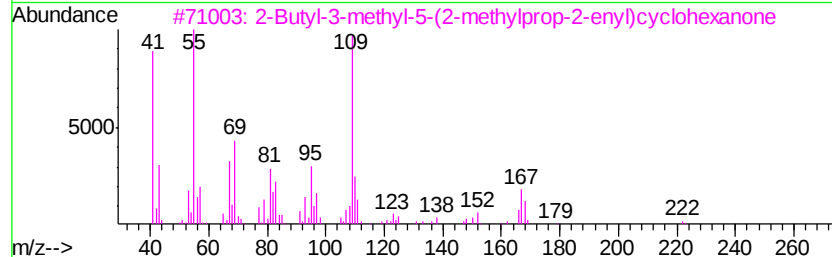
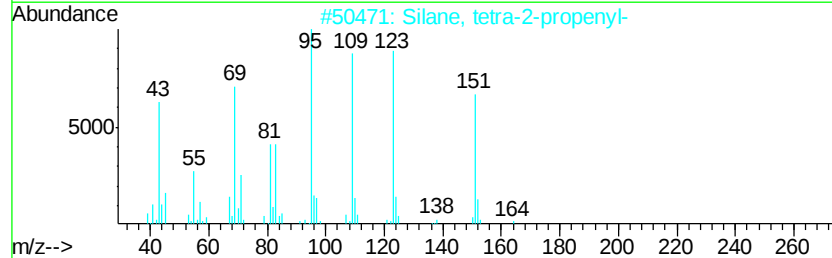
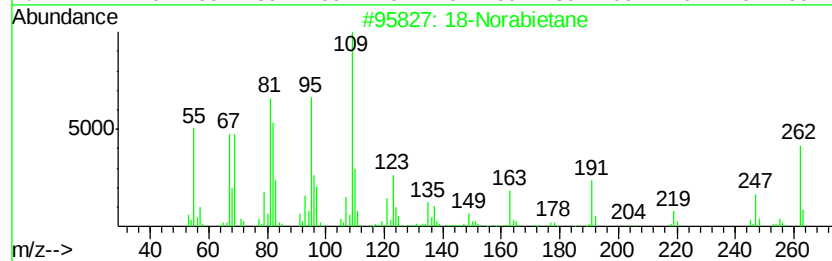
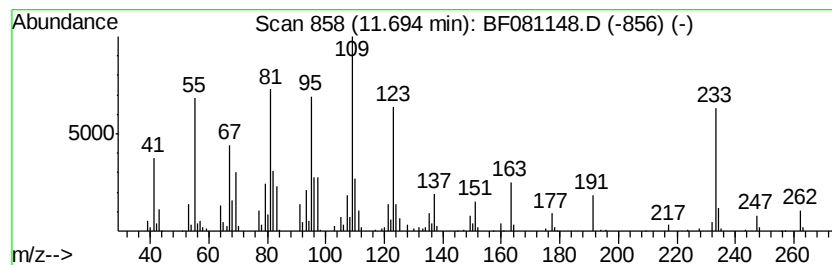
Instrument :
BNA_F
ClientSampleId :
NCB-015CS-3(12-25FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 18-Norabietane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.69	9.80 ng	453887	Phenanthrene-d10	11.05	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	18-Norabietane	262	C19H34	1000293-16-6	83
2	Silane, tetra-2-propenyl-	192	C12H20Si	001112-66-9	35
3	2-Butyl-3-methyl-5-(2-methylprop...	222	C15H26O	1000281-10-7	27
4	3,5,9-Trimethyl-deca-2,4,8-trien...	194	C13H22O	1000188-00-3	27
5	Benzenamine, 3-ethoxy-	137	C8H11NO	000621-33-0	22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082115\
Data File : BF081148.D
Acq On : 21 Aug 2015 16:37
Operator : UM/IZ
Sample : G3319-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NCB-015CS-3(12-25FTBGS)

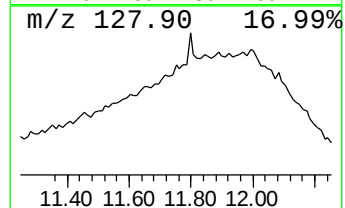
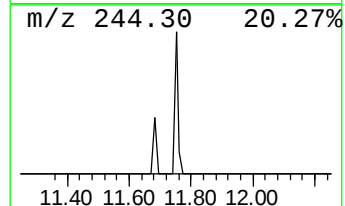
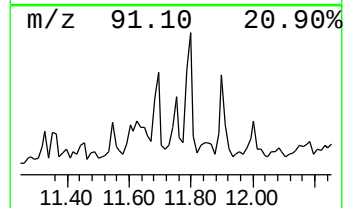
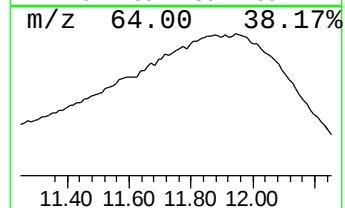
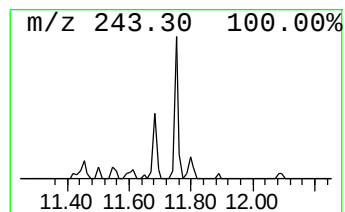
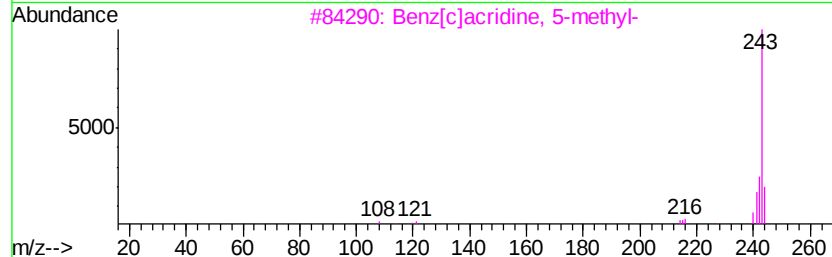
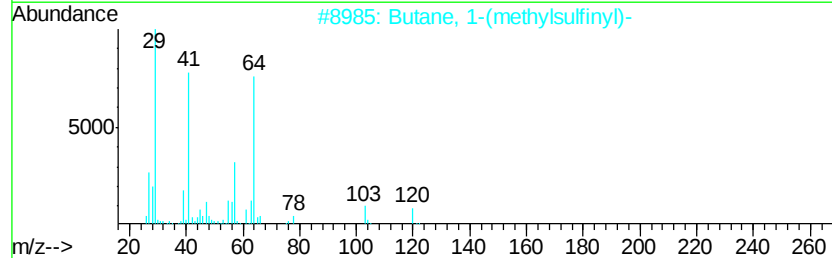
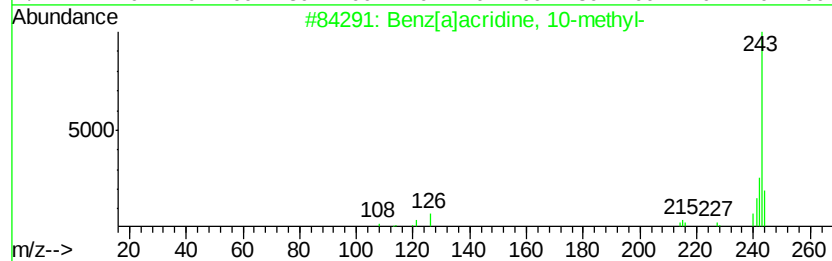
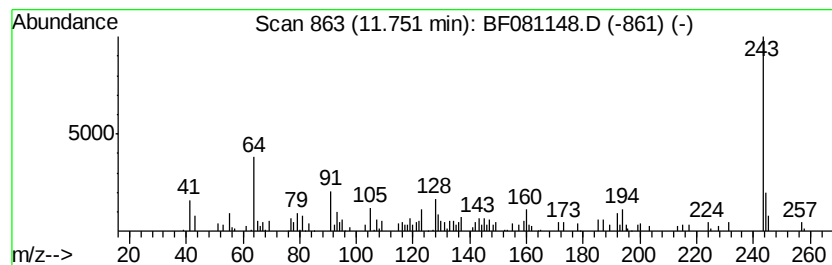
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 unknown11.75 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	4.31 ng	199428	Phenanthrene-d10	11.05

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benz[a]acridine, 10-methyl-	243	C18H13N	003781-67-7	47
2			Butane, 1-(methylsulfinyl)-	120	C5H12OS	002976-98-9	38
3			Benz[c]acridine, 5-methyl-	243	C18H13N	003519-87-7	38
4			1-Ethanone, 1-trityl-2-(1-cycloh...	366	C27H26O	1000195-59-2	22
5			6-Chrysenamine	243	C18H13N	002642-98-0	18



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082115\
Data File : BF081148.D
Acq On : 21 Aug 2015 16:37
Operator : UM/IZ
Sample : G3319-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NCB-015CS-3(12-25FTBGS)

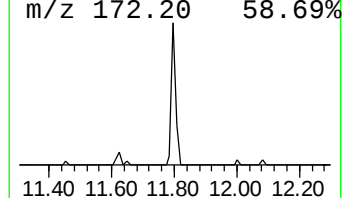
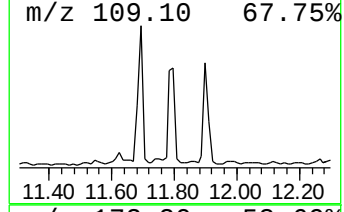
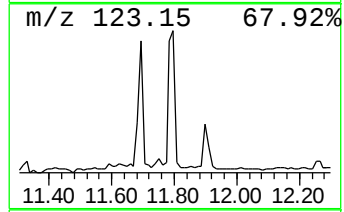
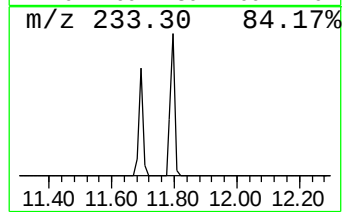
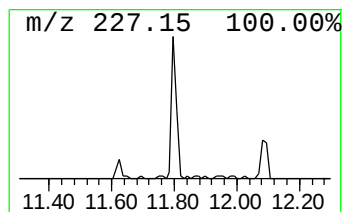
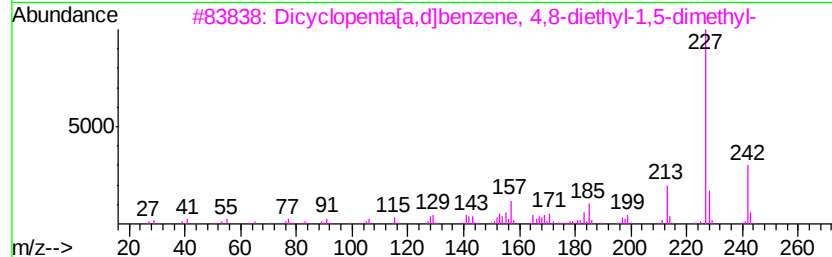
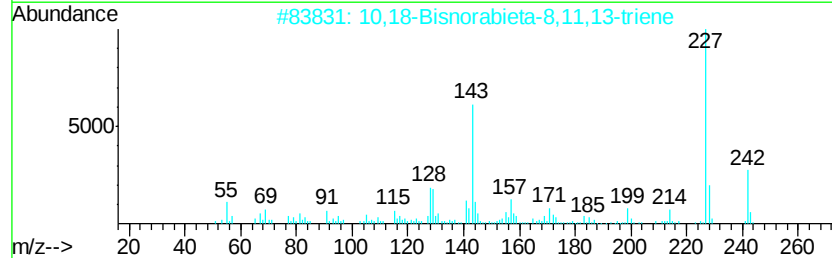
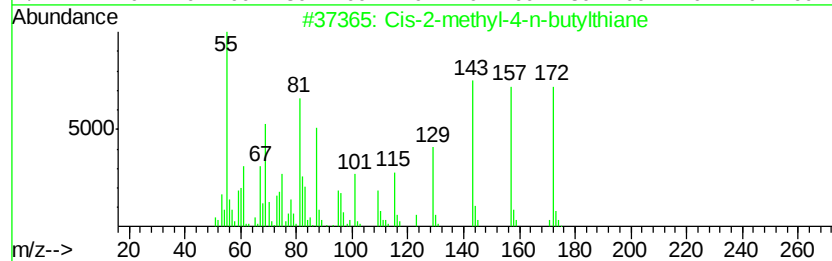
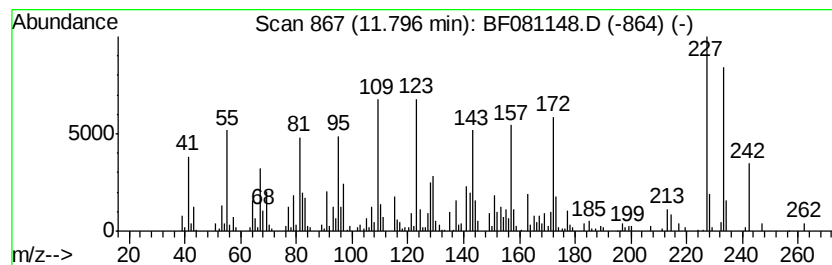
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 unknown11.80 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	16.51 ng	764449	Phenanthrene-d10	11.05

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cis-2-methyl-4-n-butylthiane	172	C10H20S	076097-67-1	35
2		10,18-Bisnorabieta-8,11,13-triene	242	C18H26	032624-67-2	30
3		Dicyclopenta[a,d]benzene, 4,8-di...	242	C18H26	1000156-41-6	25
4		trans-2-Methyl-4-n-butylthiane	172	C10H20S	076097-70-6	20
5		2-(4'-Hydroxyphenyl)-2-(4'-metho...	242	C16H18O2	016530-58-8	15



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082115\
Data File : BF081148.D
Acq On : 21 Aug 2015 16:37
Operator : UM/IZ
Sample : G3319-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleID :
NCB-015CS-3(12-25FTBGS)

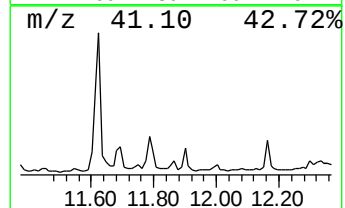
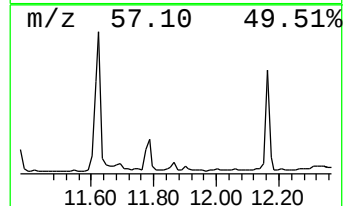
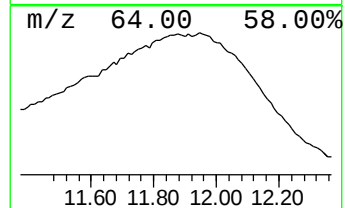
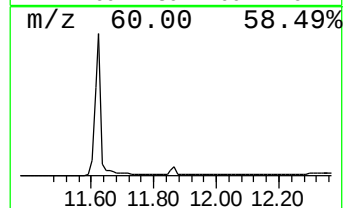
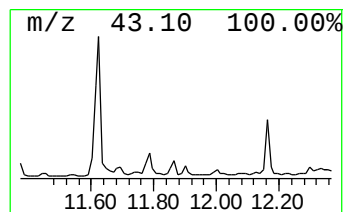
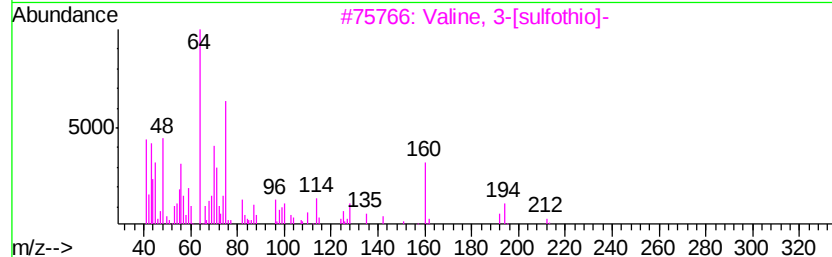
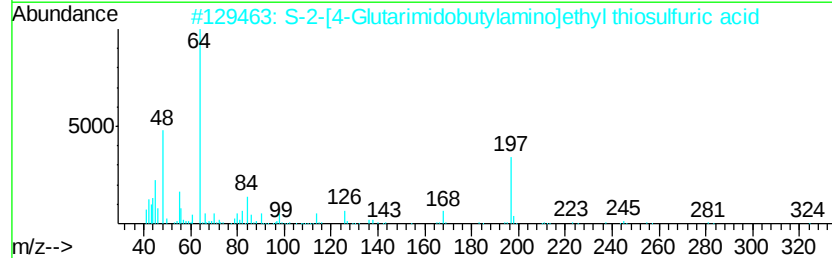
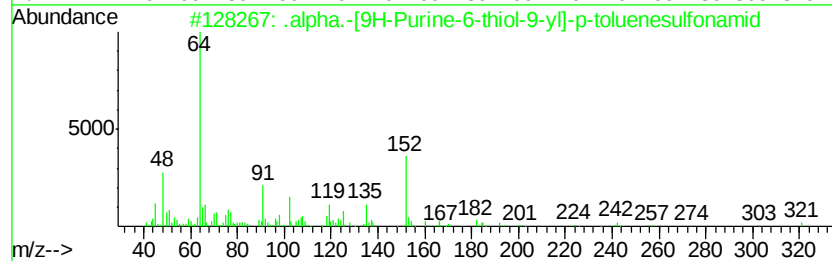
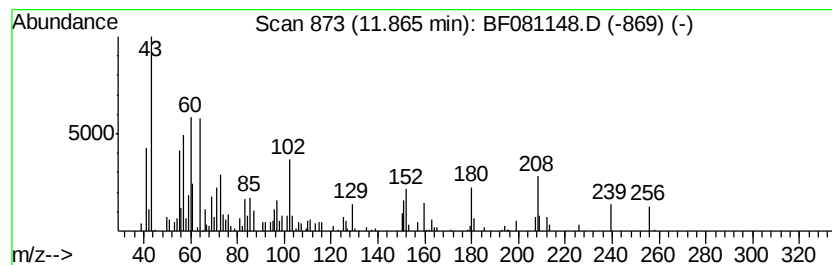
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 unknown11.87 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	8.19 ng	379335	Phenanthrene-d10	11.05

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	.alpha.-[9H-Purine-6-thiol-9-yl]...	321	C12H11N5O2S2	019271-00-2	37
2		S-2-[4-Glutarimidobutylamino]eth...	324	C11H20N2O5S2	031701-78-7	17
3		Valine, 3-[sulfothio]-	229	C5H11N05S2	055631-63-5	17
4		Dodecanoic acid, 1-methylethyl e...	242	C15H30O2	010233-13-3	14
5		Isopropyl Myristate	270	C17H34O2	000110-27-0	14



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082115\
Data File : BF081148.D
Acq On : 21 Aug 2015 16:37
Operator : UM/IZ
Sample : G3319-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

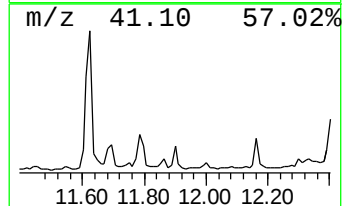
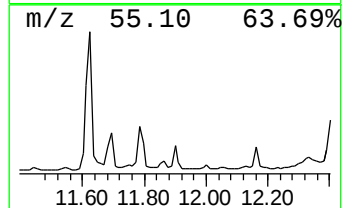
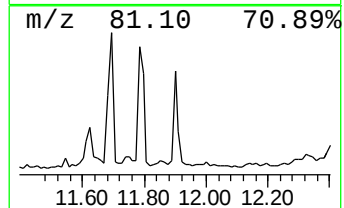
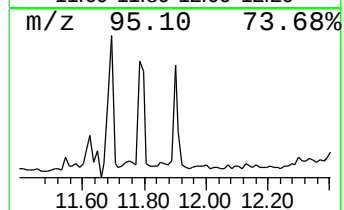
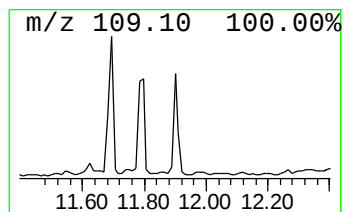
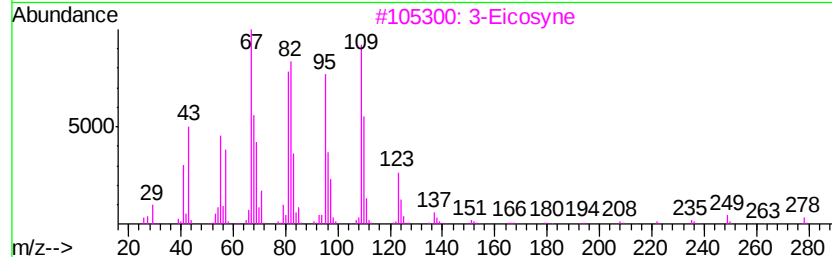
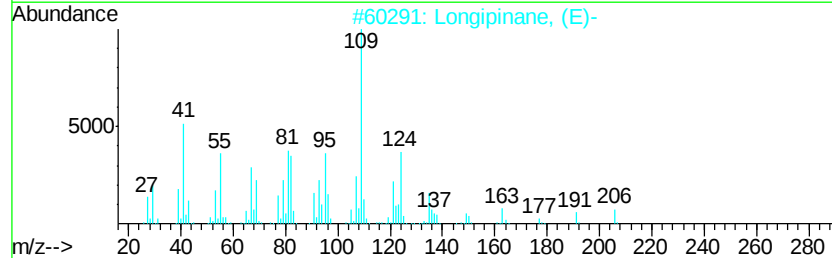
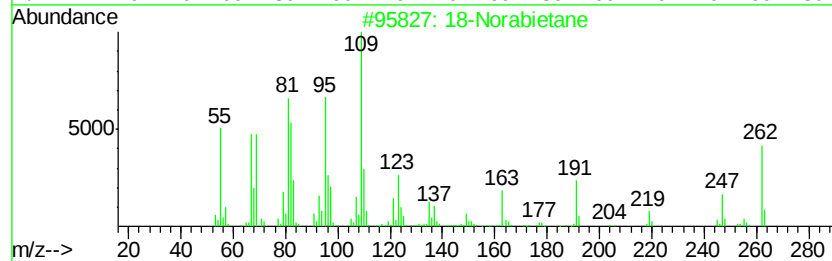
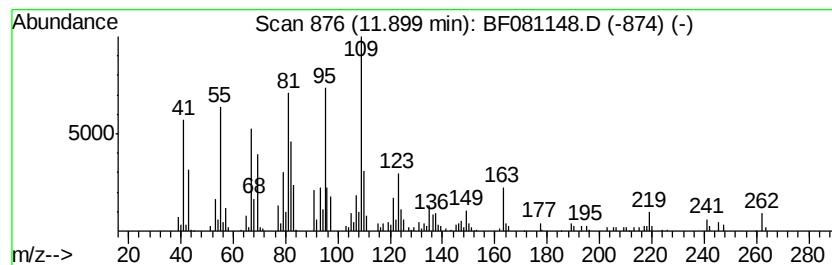
Instrument :
BNA_F
ClientSampleId :
NCB-015CS-3(12-25FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Longipinane, (E)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.90	9.14 ng	423295	Phenanthrene-d10	11.05	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	18-Norabietane	262	C19H34	1000293-16-6	96
2	Longipinane, (E)-	206	C15H26	1000156-14-5	60
3	3-Eicosyne	278	C20H38	061886-66-6	47
4	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	000473-55-2	43
5	7-Octadecyne, 2-methyl-	264	C19H36	035354-38-2	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082115\
Data File : BF081148.D
Acq On : 21 Aug 2015 16:37
Operator : UM/IZ
Sample : G3319-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NCB-015CS-3(12-25FTBGS)

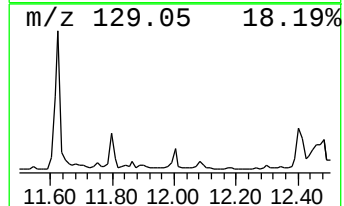
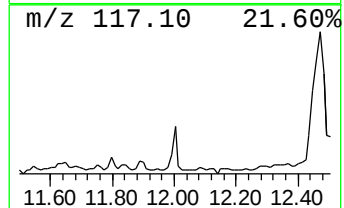
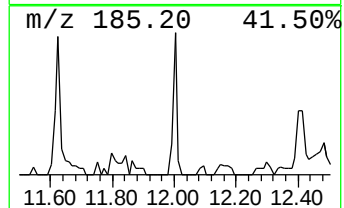
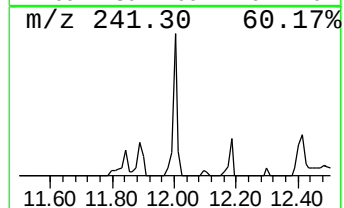
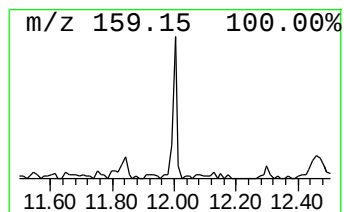
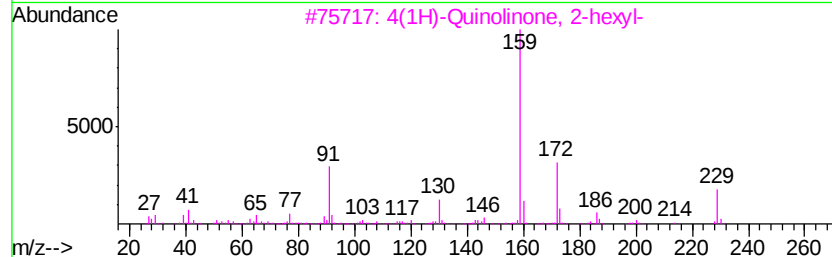
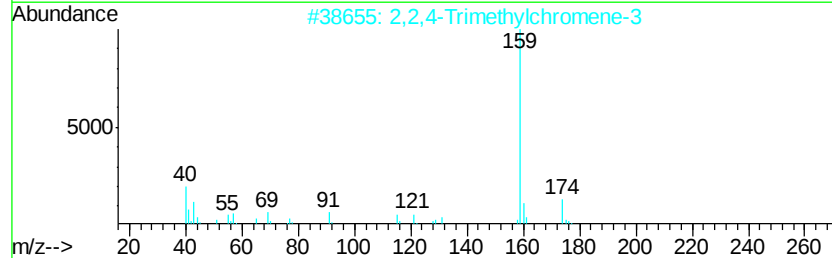
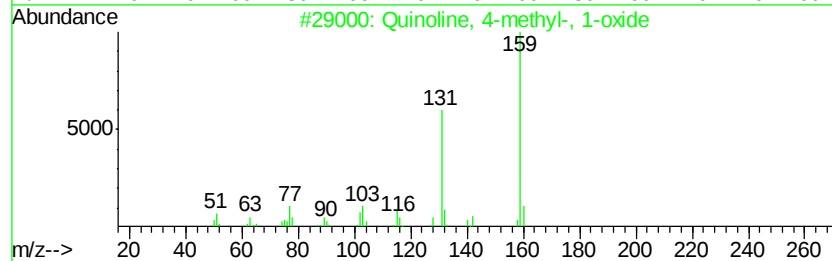
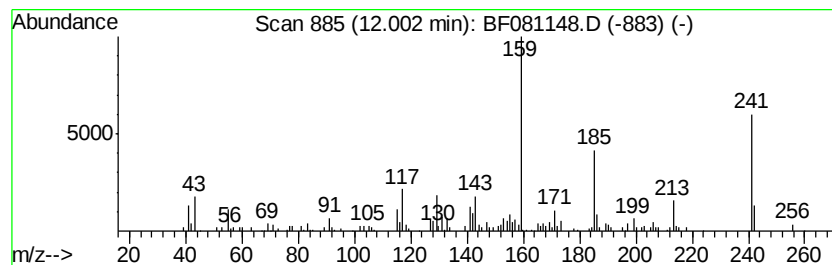
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 unknown12.00 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	5.40 ng	250061	Phenanthrene-d10	11.05

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Quinoline, 4-methyl-, 1-oxide	159	C10H9NO	004053-40-1	22
2		2,2,4-Trimethylchromene-3	174	C12H14O	017937-04-1	22
3		4(1H)-Quinolinone, 2-hexyl-	229	C15H19NO	018813-68-8	12
4		3,4-Dihydro-3,3-dimethyl-1,9(2H,...	241	C15H15NO2	1000212-95-2	12
5		1H-Indene, 2,3-dihydro-1,1,5,6-t...	174	C13H18	000942-43-8	12



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082115\
Data File : BF081148.D
Acq On : 21 Aug 2015 16:37
Operator : UM/IZ
Sample : G3319-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NCB-015CS-3(12-25FTBGS)

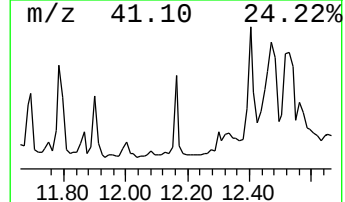
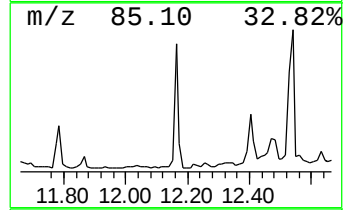
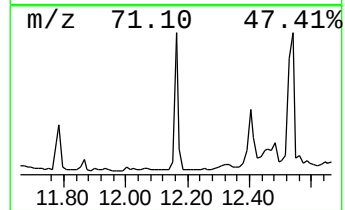
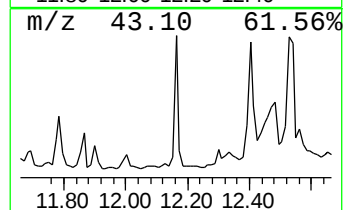
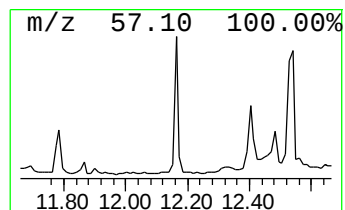
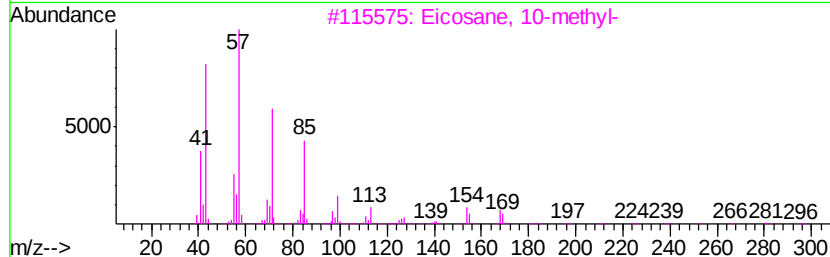
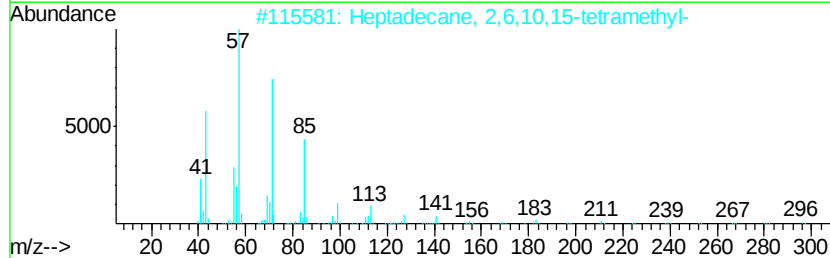
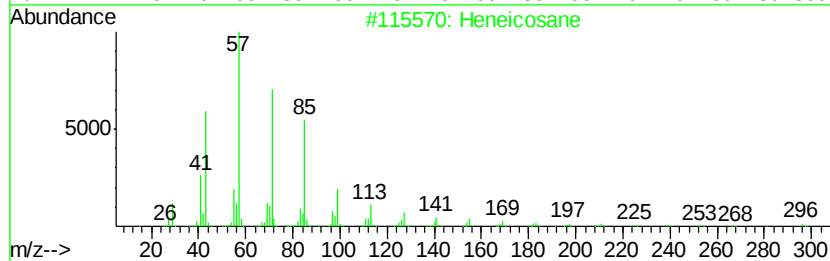
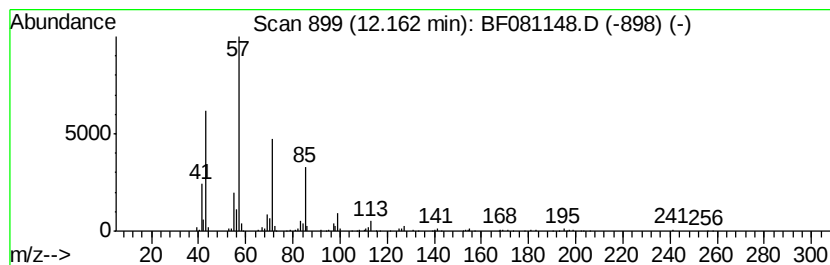
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Heneicosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	6.30 ng	291801	Phenanthrene-d10	11.05

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heneicosane	296	C21H44	000629-94-7	90
2			Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
3			Eicosane, 10-methyl-	296	C21H44	054833-23-7	80
4			Tetracosane	338	C24H50	000646-31-1	80
5			Tridecane, 1-iodo-	310	C13H27I	035599-77-0	80



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082115\
Data File : BF081148.D
Acq On : 21 Aug 2015 16:37
Operator : UM/IZ
Sample : G3319-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NCB-015CS-3(12-25FTBGS)

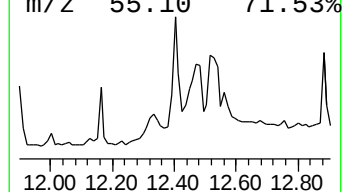
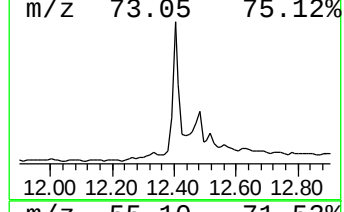
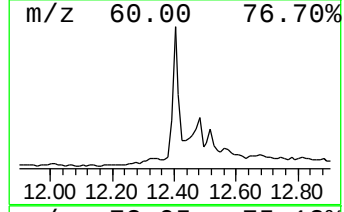
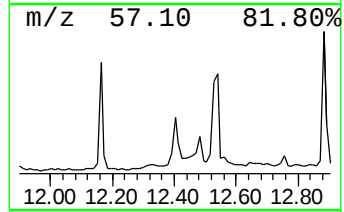
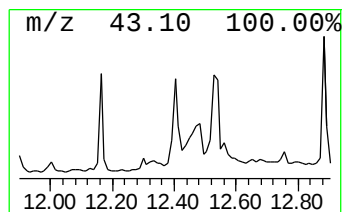
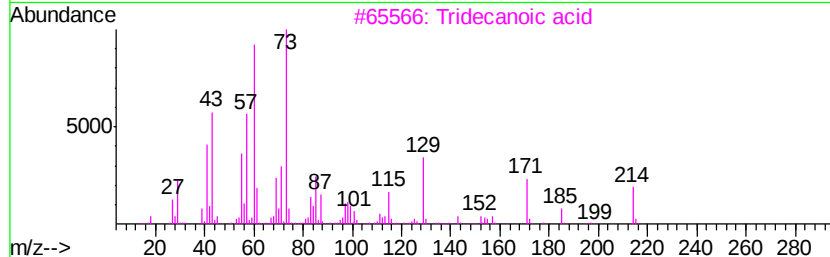
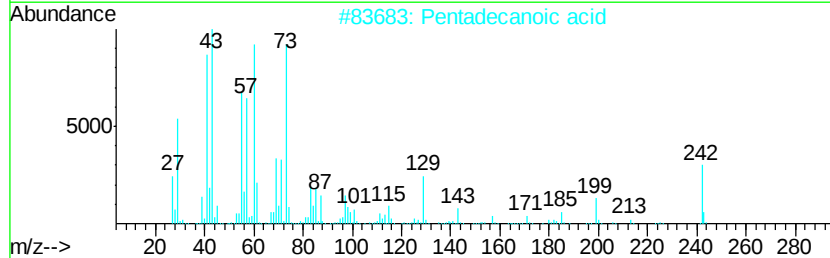
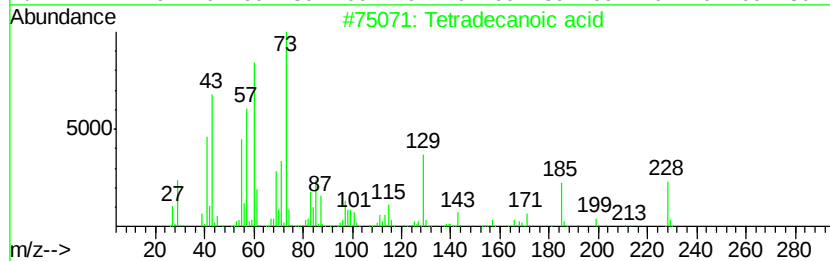
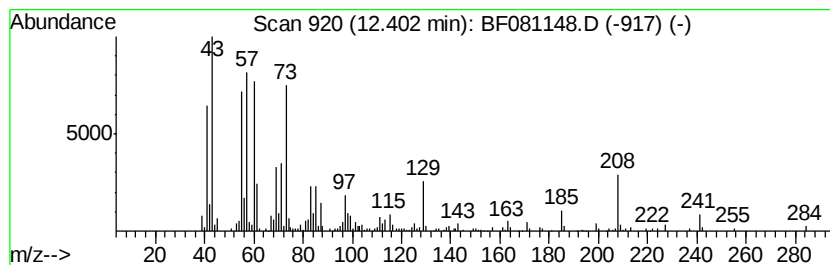
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Tetradecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	7.53 ng	385382	Chrysene-d12	13.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
2		Pentadecanoic acid	242	C15H30O2	001002-84-2	72
3		Tridecanoic acid	214	C13H26O2	000638-53-9	64
4		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	59
5		n-Decanoic acid	172	C10H20O2	000334-48-5	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082115\
Data File : BF081148.D
Acq On : 21 Aug 2015 16:37
Operator : UM/IZ
Sample : G3319-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NCB-015CS-3(12-25FTBGS)

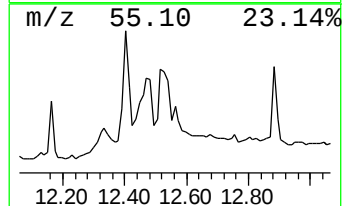
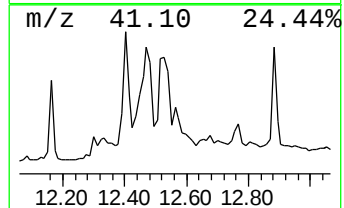
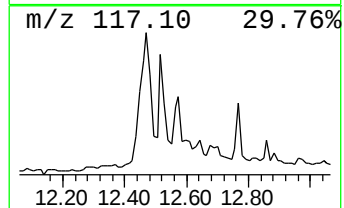
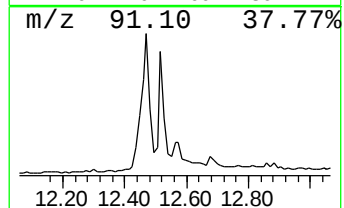
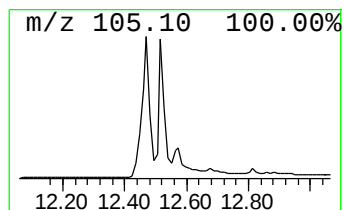
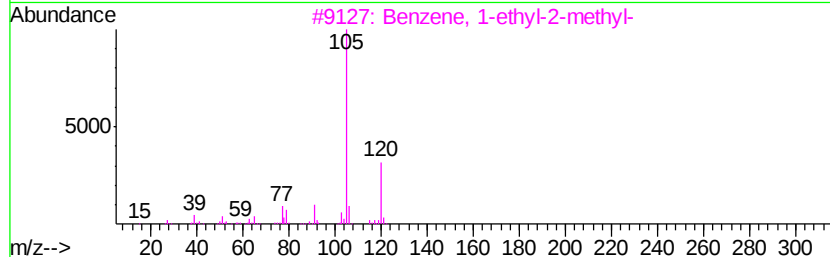
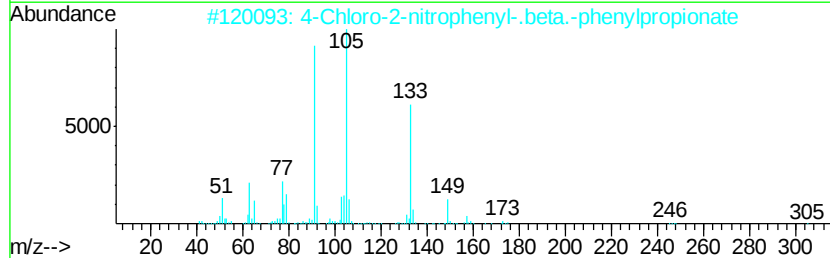
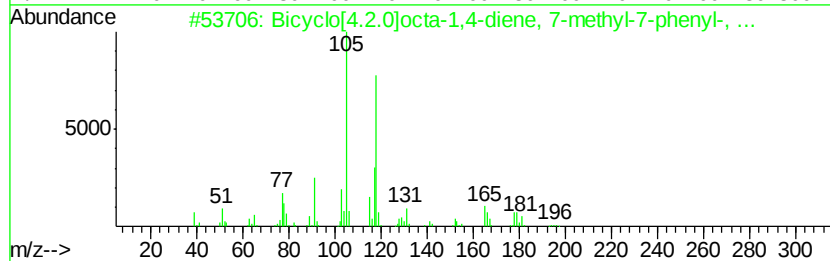
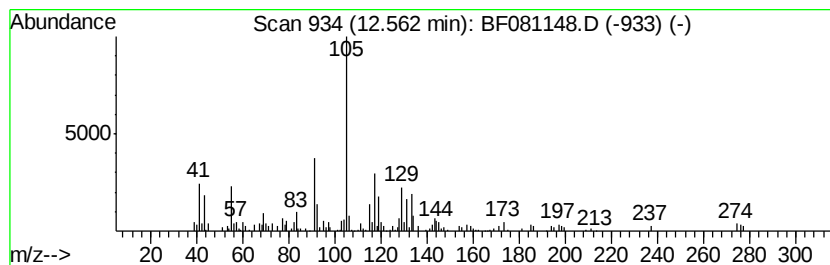
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 unknown12.56 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	6.29 ng	321722	Chrysene-d12	13.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[4.2.0]octa-1,4-diene, 7-...	196	C15H16	1000221-38-6	37
2		4-Chloro-2-nitrophenyl-.beta.-ph...	305	C15H12ClN04	040123-54-4	10
3		Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	10
4		2,6-Dibromophenyl .beta.-phenylp...	382	C15H12Br202	040123-52-2	10
5		Phenacyl 3-(3,4-dichlorophenylsu...	400	C17H14Cl205S	1000225-01-1	10



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082115\
Data File : BF081148.D
Acq On : 21 Aug 2015 16:37
Operator : UM/IZ
Sample : G3319-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NCB-015CS-3(12-25FTBGS)

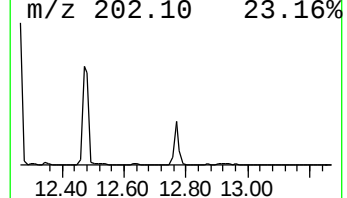
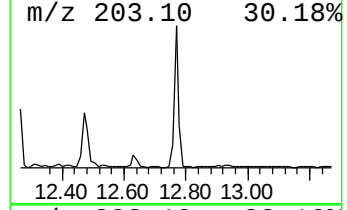
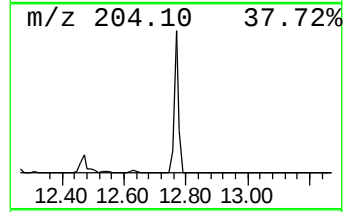
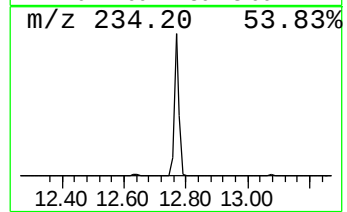
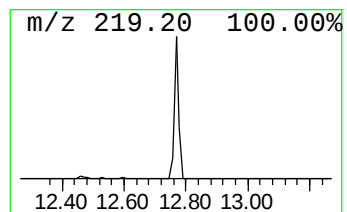
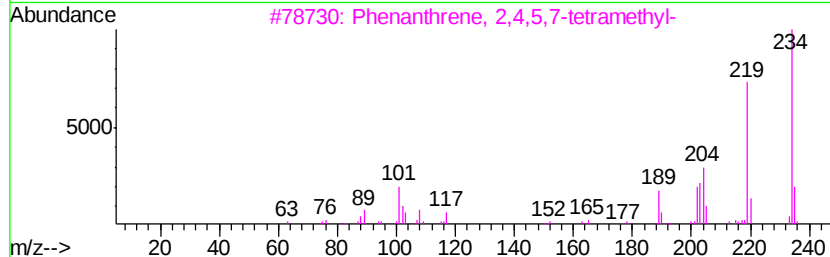
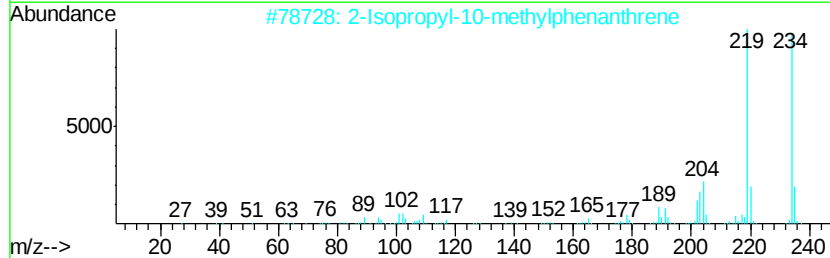
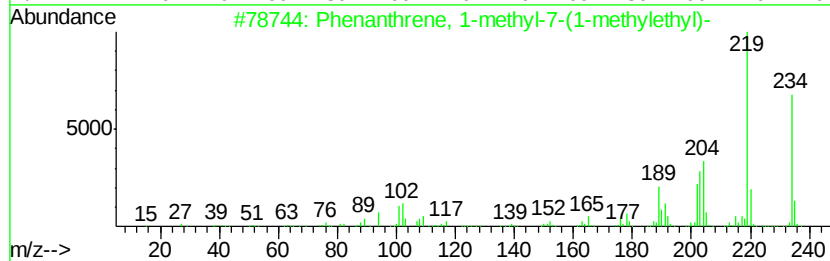
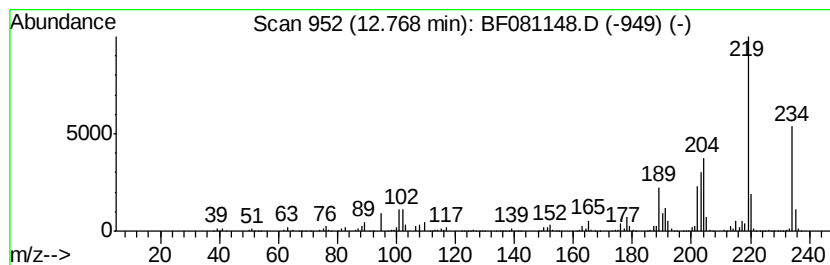
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Phenanthrene, 1-methyl-7-(1... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	29.11 ng	1490280	Chrysene-d12	13.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-7-(1-meth...	234	C18H18	000483-65-8	99
2		2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	94
3		Phenanthrene, 2,4,5,7-tetramethyl-	234	C18H18	007396-38-5	76
4		2,5-Diphenyl-2,4-hexadiene	234	C18H18	016819-47-9	64
5		Phenanthrene, 3,4,5,6-tetramethyl-	234	C18H18	007343-06-8	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082115\
Data File : BF081148.D
Acq On : 21 Aug 2015 16:37
Operator : UM/IZ
Sample : G3319-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NCB-015CS-3(12-25FTBGS)

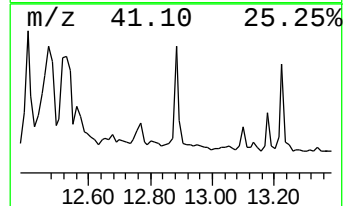
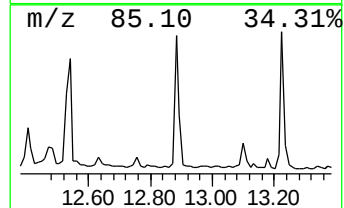
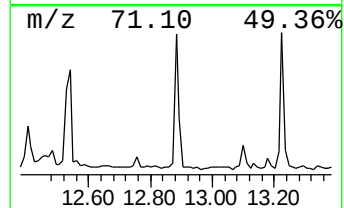
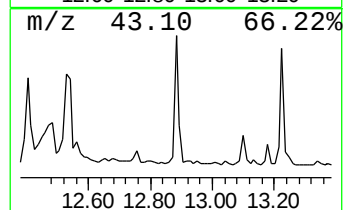
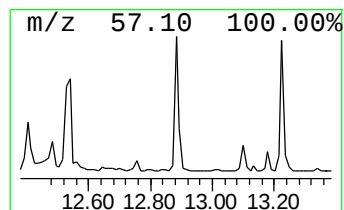
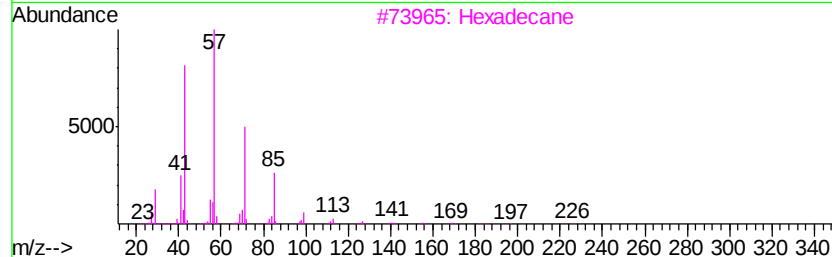
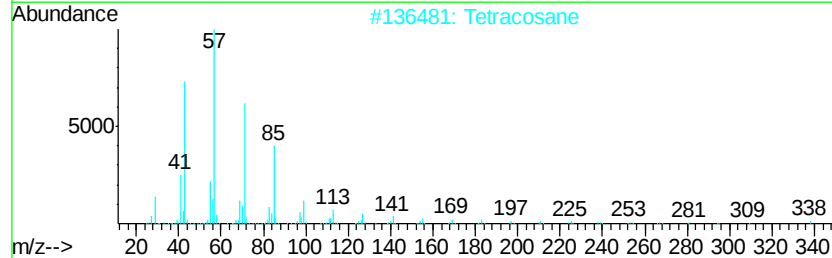
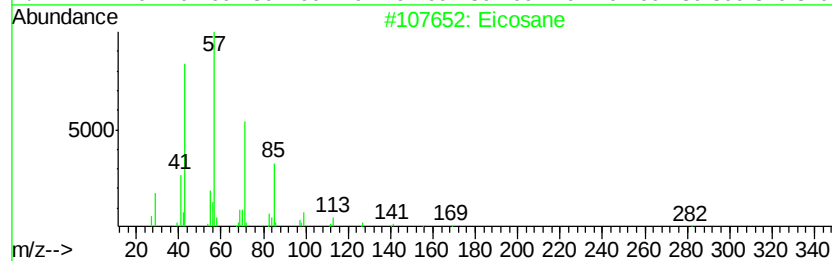
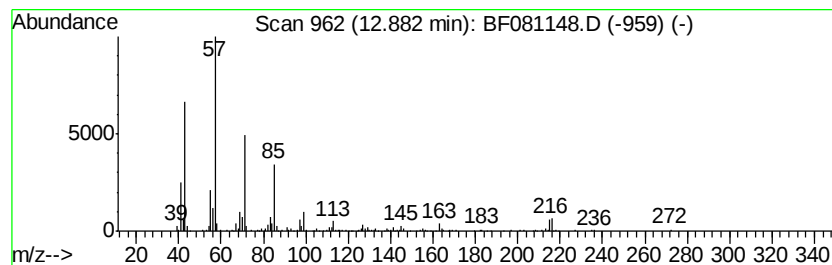
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Eicosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.88	8.77 ng	449141	Chrysene-d12	13.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Eicosane	282	C20H42	000112-95-8	87
2		Tetracosane	338	C24H50	000646-31-1	83
3		Hexadecane	226	C16H34	000544-76-3	80
4		Octacosane	394	C28H58	000630-02-4	80
5		Pentacosane	352	C25H52	000629-99-2	80



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082115\
Data File : BF081148.D
Acq On : 21 Aug 2015 16:37
Operator : UM/IZ
Sample : G3319-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

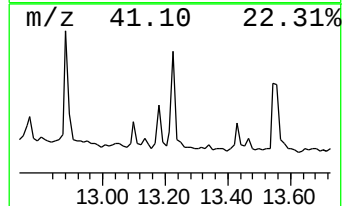
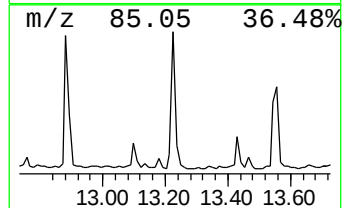
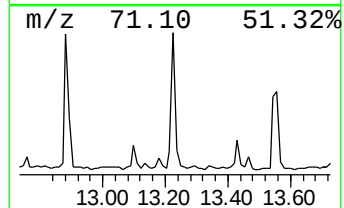
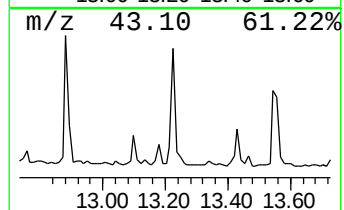
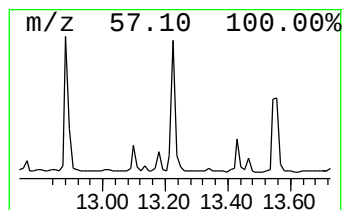
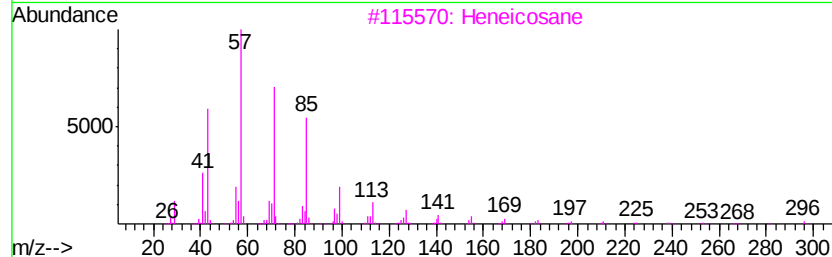
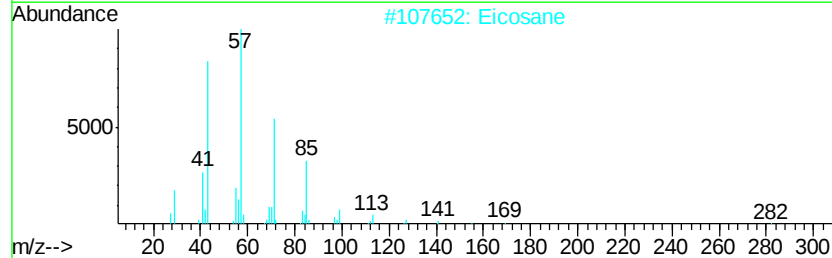
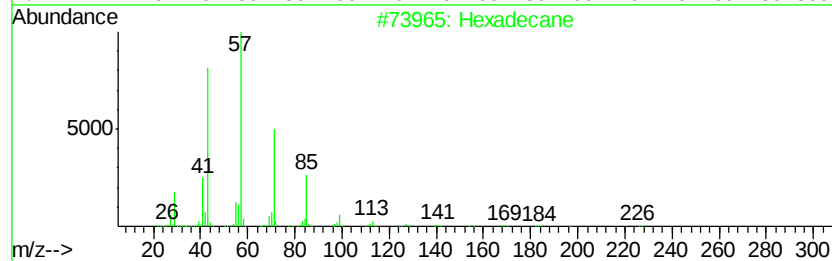
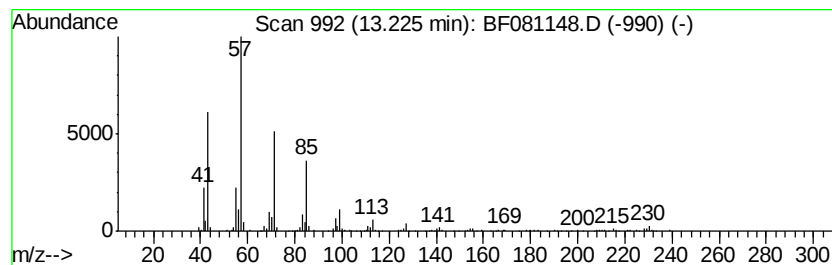
Instrument :
BNA_F
ClientSampleId :
NCB-015CS-3(12-25FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Hexadecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.23	4.69 ng	240129	Chrysene-d12	13.66
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Hexadecane	226 C16H34	000544-76-3	93
2	Eicosane	282 C20H42	000112-95-8	91
3	Heneicosane	296 C21H44	000629-94-7	90
4	Heptacosane	380 C27H56	000593-49-7	90
5	Pentacosane	352 C25H52	000629-99-2	83



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082115\
Data File : BF081148.D
Acq On : 21 Aug 2015 16:37
Operator : UM/IZ
Sample : G3319-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NCB-015CS-3(12-25FTBGS)

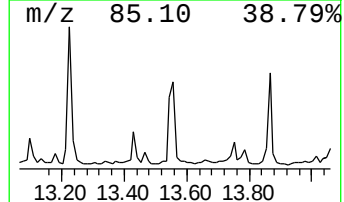
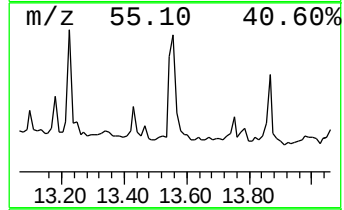
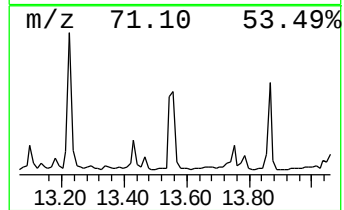
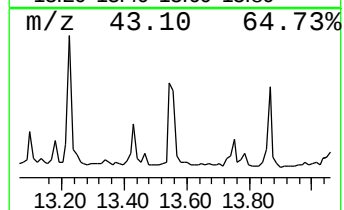
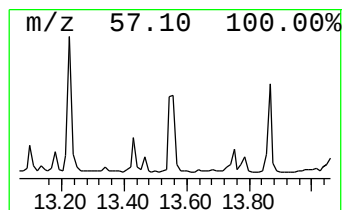
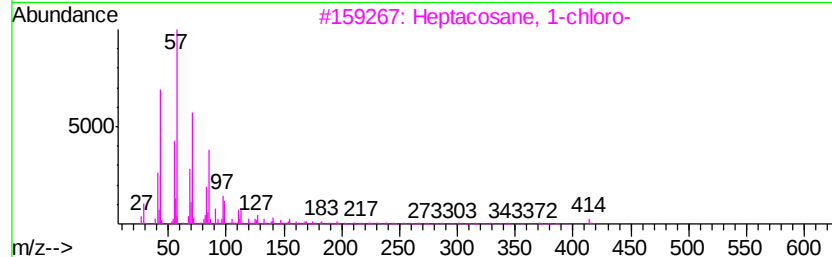
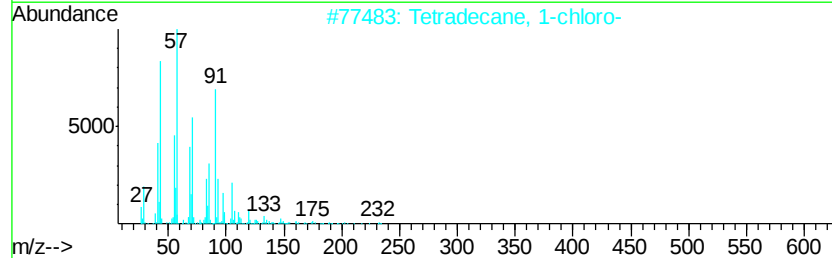
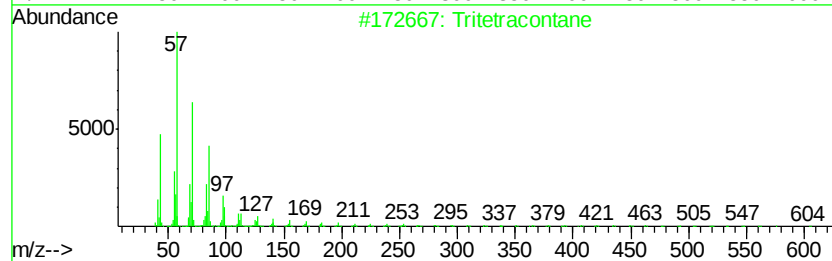
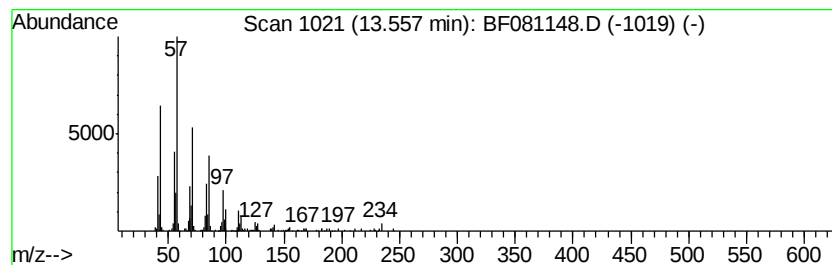
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Tritetracontane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.56	5.74 ng	293716	Chrysene-d12	13.66

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tritetracontane	605	C43H88	007098-21-7	83
2			Tetradecane, 1-chloro-	232	C14H29Cl	002425-54-9	76
3			Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	72
4			Nonadecane	268	C19H40	000629-92-5	68
5			10-Methylnonadecane	282	C20H42	056862-62-5	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082115\
Data File : BF081148.D
Acq On : 21 Aug 2015 16:37
Operator : UM/IZ
Sample : G3319-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NCB-015CS-3(12-25FTBGS)

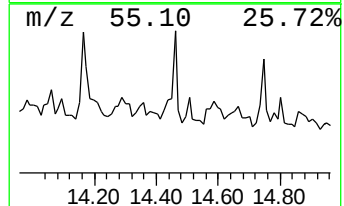
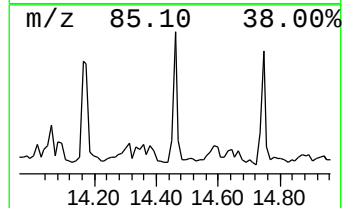
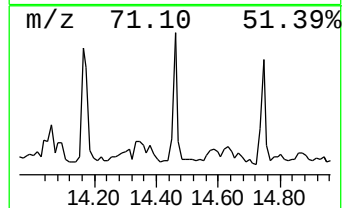
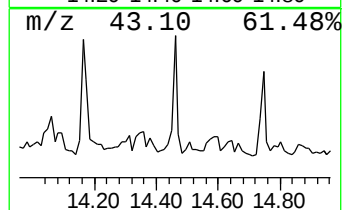
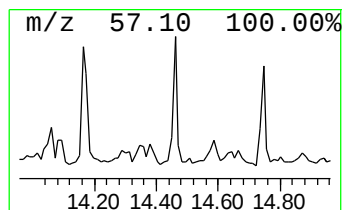
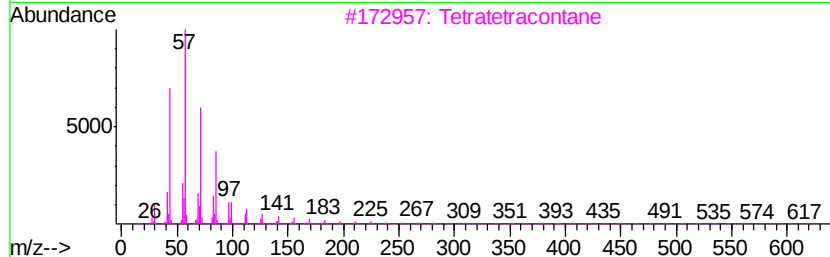
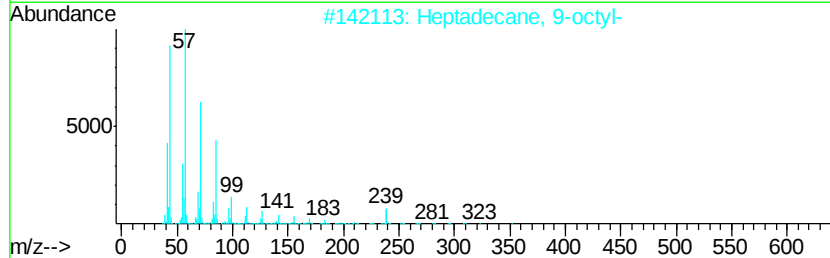
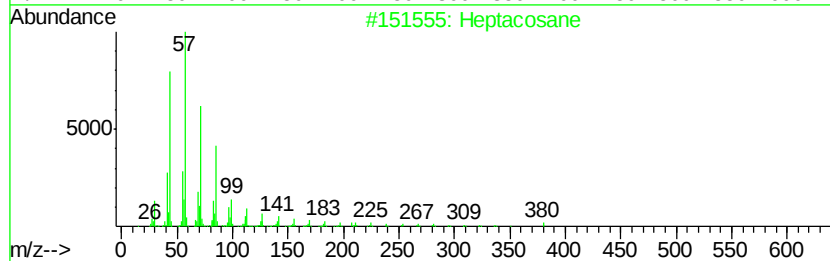
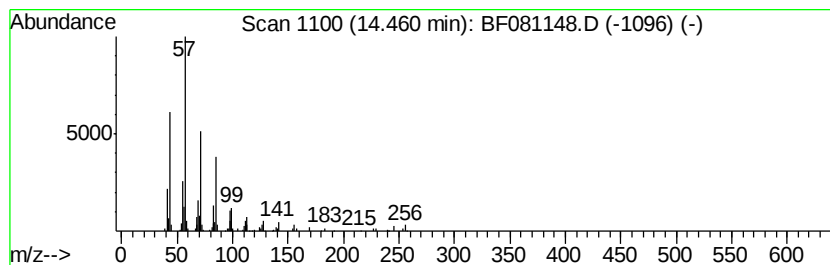
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Heptacosane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	5.20 ng	123781	Perylene-d12	15.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptacosane	380	C27H56	000593-49-7	91
2		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
3		Tetratetracontane	619	C44H90	007098-22-8	91
4		Pentacosane	352	C25H52	000629-99-2	91
5		Hentriacontane	437	C31H64	000630-04-6	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082115\
Data File : BF081148.D
Acq On : 21 Aug 2015 16:37
Operator : UM/IZ
Sample : G3319-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

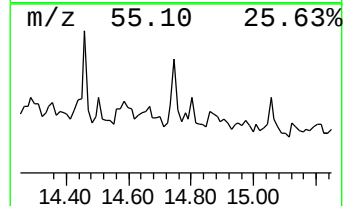
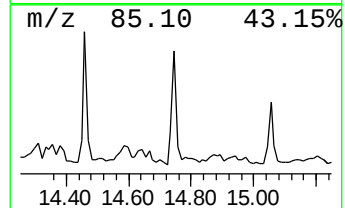
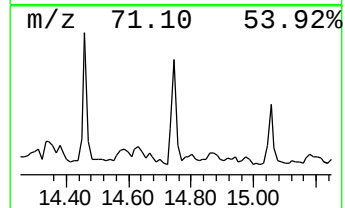
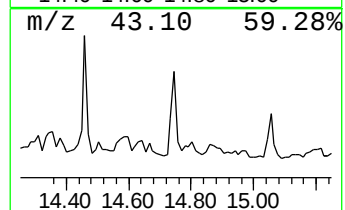
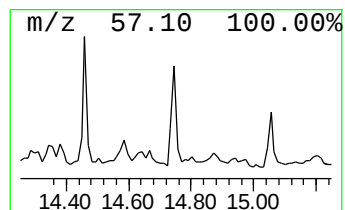
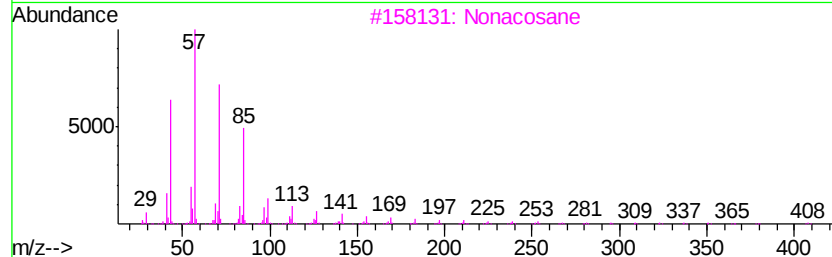
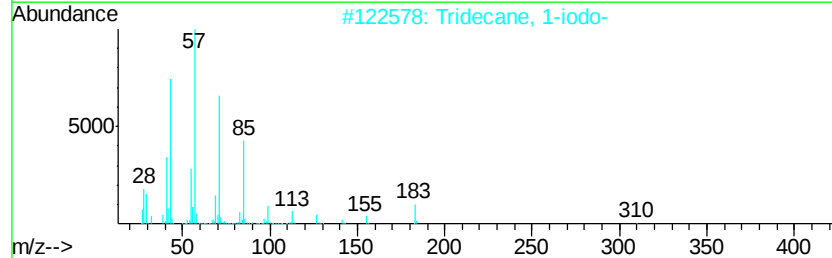
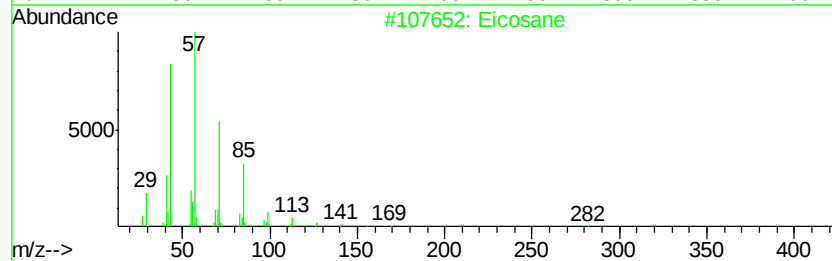
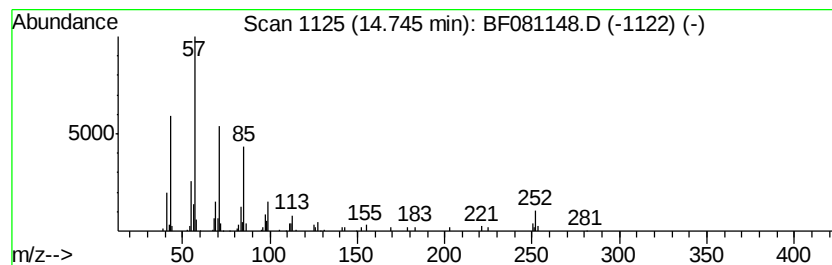
Instrument :
BNA_F
ClientSampleId :
NCB-015CS-3(12-25FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Tridecane, 1-iodo- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.75	4.20 ng	100068	Perylene-d12	15.00
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Eicosane	282 C20H42	000112-95-8	83
2	Tridecane, 1-iodo-	310 C13H27I	035599-77-0	83
3	Nonacosane	408 C29H60	000630-03-5	80
4	Octacosane	394 C28H58	000630-02-4	80
5	Nonadecane	268 C19H40	000629-92-5	80



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082115\
 Data File : BF081148.D
 Acq On : 21 Aug 2015 16:37
 Operator : UM/IZ
 Sample : G3319-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NCB-015CS-3(12-25FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.66	72.0	ng	1327100	1	6.55	368734	20.0
unknown6.32	6.32	105.0	ng	1936210	1	6.55	368734	20.0
Pentadecanoic acid	11.63	27.7	ng	1282330	4	11.05	926308	20.0
4H-Cyclopenta[def...	11.66	3.8	ng	177285	4	11.05	926308	20.0
18-Norabietane	11.69	9.8	ng	453887	4	11.05	926308	20.0
unknown11.75	11.75	4.3	ng	199428	4	11.05	926308	20.0
unknown11.80	11.80	16.5	ng	764449	4	11.05	926308	20.0
unknown11.87	11.87	8.2	ng	379335	4	11.05	926308	20.0
Longipinane, (E)-	11.90	9.1	ng	423295	4	11.05	926308	20.0
unknown12.00	12.00	5.4	ng	250061	4	11.05	926308	20.0
Heneicosane	12.16	6.3	ng	291801	4	11.05	926308	20.0
Tetradecanoic acid	12.40	7.5	ng	385382	5	13.66	1023730	20.0
unknown12.56	12.56	6.3	ng	321722	5	13.66	1023730	20.0
Phenanthrene, 1-m...	12.77	29.1	ng	1490280	5	13.66	1023730	20.0
Eicosane	12.88	8.8	ng	449141	5	13.66	1023730	20.0
Hexadecane	13.23	4.7	ng	240129	5	13.66	1023730	20.0
Tritetracontane	13.56	5.7	ng	293716	5	13.66	1023730	20.0
Heptacosane	14.46	5.2	ng	123781	6	15.00	475950	20.0
Tridecane, 1-iodo-	14.75	4.2	ng	100068	6	15.00	475950	20.0