

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120315\
 Data File : BF083482.D
 Acq On : 4 Dec 2015 2:25
 Operator : UM/IZ
 Sample : G4617-06
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-11

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-BF113015.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	4.636	256	258	268	rVB	646968	1041804	24.33%	2.452%
2	5.036	290	293	298	rBV	43300	70886	1.66%	0.167%
3	5.116	298	300	309	rBV	3312338	3875755	90.50%	9.120%
4	5.321	316	318	320	rVB	35337	47069	1.10%	0.111%
5	6.041	377	381	386	rBV5	20800	47420	1.11%	0.112%
6	6.201	392	395	402	rBV	3681267	3946381	92.15%	9.287%
7	6.304	402	404	406	rBV	4252787	4050506	94.58%	9.532%
8	6.521	421	423	426	rBV	669507	961777	22.46%	2.263%
9	6.682	435	437	440	rBV	2753003	2913909	68.04%	6.857%
10	7.104	471	474	476	rBV	2677712	2675029	62.46%	6.295%
11	7.150	476	478	481	rVB	45618	66731	1.56%	0.157%
12	7.813	534	536	541	rBV	1090448	1366758	31.91%	3.216%
13	8.259	573	575	579	rBV	38756	58610	1.37%	0.138%
14	8.430	588	590	592	rBV	62148	56181	1.31%	0.132%
15	8.533	597	599	601	rVV	116903	117531	2.74%	0.277%
16	8.625	605	607	611	rVB	104348	100405	2.34%	0.236%
17	8.773	618	620	621	rBV	63950	62983	1.47%	0.148%
18	8.853	624	627	628	rBV2	26175	46627	1.09%	0.110%
19	8.899	628	631	633	rVV	4663926	4282759	100.00%	10.078%
20	8.990	637	639	641	rVB	102252	96177	2.25%	0.226%
21	9.150	651	653	656	rBV	36690	60798	1.42%	0.143%
22	9.230	658	660	661	rVV	60430	85900	2.01%	0.202%
23	9.253	661	662	664	rVV2	71133	69352	1.62%	0.163%
24	9.299	664	666	668	rVV	800710	774326	18.08%	1.822%
25	9.333	668	669	673	rVB2	48743	92770	2.17%	0.218%
26	9.516	683	685	687	rBV	234829	210835	4.92%	0.496%
27	9.562	687	689	691	rBV	1462537	1355903	31.66%	3.191%
28	9.768	703	707	709	rBV3	63670	113002	2.64%	0.266%
29	9.836	712	713	715	rVB	83329	67080	1.57%	0.158%
30	9.870	715	716	718	rBV2	38119	53045	1.24%	0.125%
31	9.985	722	726	727	rBV3	41009	89474	2.09%	0.211%
32	10.019	727	729	730	rVB	240737	244245	5.70%	0.575%
33	10.099	735	736	741	rVB	75230	77152	1.80%	0.182%
34	10.236	745	748	749	rBV	137964	176808	4.13%	0.416%

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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

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.259	749	750	754	rVB4	40783	61832	1.44%	0.146%
36	10.350	756	758	760	rBV	1997800	2071178	48.36%	4.874%
37	10.488	768	770	774	rBV2	258747	518765	12.11%	1.221%
38	10.590	777	779	781	rVB2	83713	87524	2.04%	0.206%
39	10.693	787	788	790	rBV	36731	55512	1.30%	0.131%
40	10.808	796	798	800	rBV2	23346	49970	1.17%	0.118%
41	10.979	811	813	815	rBV	168361	173997	4.06%	0.409%
42	11.013	815	816	820	rVB	62946	75915	1.77%	0.179%
43	11.093	820	823	828	rBV2	1193478	1348887	31.50%	3.174%
44	11.185	828	831	834	rVB3	43535	73446	1.71%	0.173%
45	11.493	855	858	861	rVB2	112872	139840	3.27%	0.329%
46	11.699	871	876	877	rBV2	42397	81117	1.89%	0.191%
47	11.733	877	879	882	rVB2	58131	79521	1.86%	0.187%
48	11.791	882	884	886	rBV	219346	269228	6.29%	0.634%
49	11.871	889	891	893	rVB2	36779	54606	1.28%	0.128%
50	12.019	902	904	908	rVB	74595	106199	2.48%	0.250%
51	12.145	912	915	917	rVB	41229	64838	1.51%	0.153%
52	12.351	929	933	935	rBV	37646	70980	1.66%	0.167%
53	12.431	937	940	943	rVV2	89744	164470	3.84%	0.387%
54	12.476	943	944	947	rVV2	35415	57441	1.34%	0.135%
55	12.545	947	950	952	rVB2	83338	101949	2.38%	0.240%
56	12.625	954	957	959	rBV	147339	193720	4.52%	0.456%
57	12.865	976	978	980	rBV2	42226	61493	1.44%	0.145%
58	12.922	980	983	986	rVV2	129921	272814	6.37%	0.642%
59	13.082	995	997	999	rBV	48183	73462	1.72%	0.173%
60	13.185	1002	1006	1008	rBV	2165288	3010658	70.30%	7.085%
61	13.425	1024	1027	1031	rVB2	42732	86854	2.03%	0.204%
62	13.562	1036	1039	1041	rBV2	31279	53927	1.26%	0.127%
63	13.608	1041	1043	1046	rVB2	53108	71851	1.68%	0.169%
64	13.905	1066	1069	1072	rBV	43300	84454	1.97%	0.199%
65	13.985	1074	1076	1080	rVB2	32488	52116	1.22%	0.123%
66	14.122	1085	1088	1091	rVV2	51040	120911	2.82%	0.285%
67	14.179	1091	1093	1097	rVB2	59880	84270	1.97%	0.198%
68	14.614	1128	1131	1136	rBV2	239906	515797	12.04%	1.214%
69	14.705	1136	1139	1142	rBV	697392	1039089	24.26%	2.445%
70	15.140	1175	1177	1181	rBV	62334	94417	2.20%	0.222%
71	15.631	1215	1220	1226	rBV2	87012	180158	4.21%	0.424%

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72	16.031	1253	1255	1259	rBV3	34876	67099	1.57%	0.158%
73	16.100	1259	1261	1264	rVB	34732	58180	1.36%	0.137%
74	16.191	1267	1269	1271	rVB	32014	47606	1.11%	0.112%
75	16.260	1272	1275	1277	rBV	60364	120232	2.81%	0.283%
76	16.568	1299	1302	1305	rBV2	39868	73987	1.73%	0.174%
77	16.625	1305	1307	1312	rVV2	34742	57028	1.33%	0.134%
78	16.694	1312	1313	1317	rVB	36975	54724	1.28%	0.129%
79	16.774	1317	1320	1325	rBV	556211	792376	18.50%	1.865%
80	17.403	1372	1375	1377	rBV	33630	57025	1.33%	0.134%
81	18.523	1470	1473	1480	rVB2	43311	108044	2.52%	0.254%

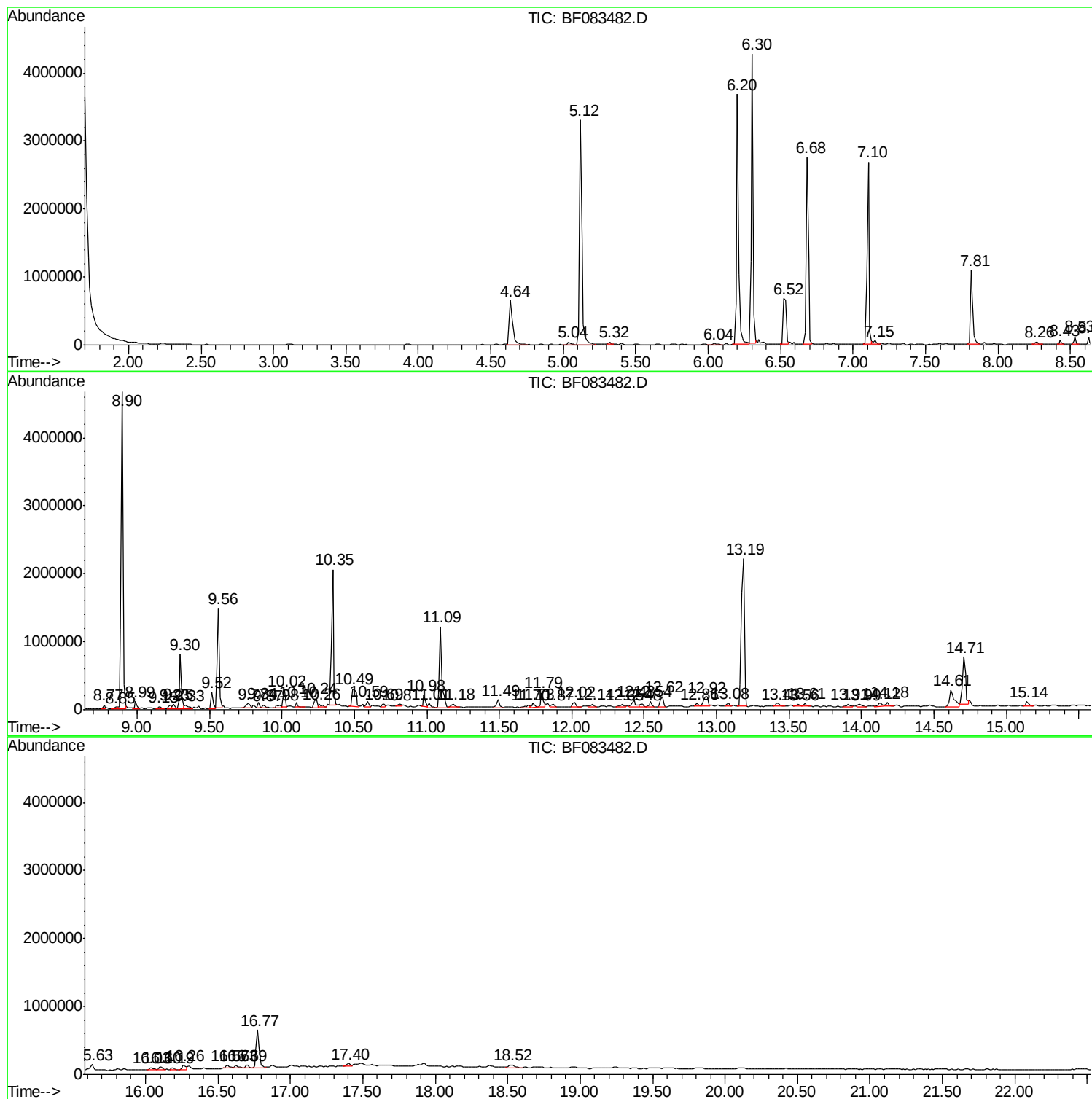
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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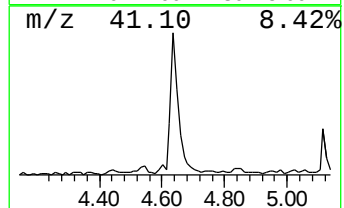
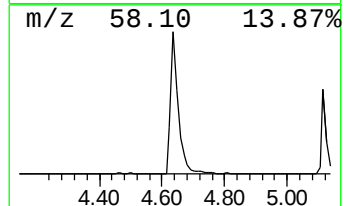
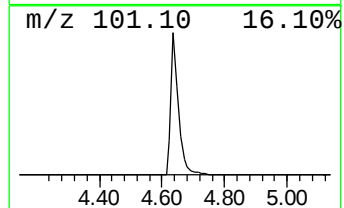
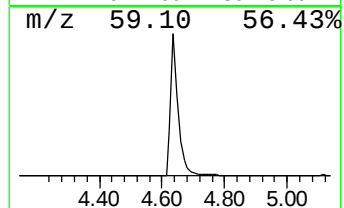
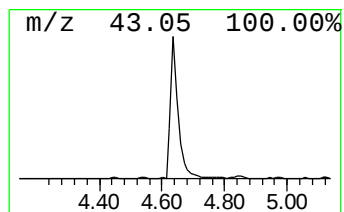
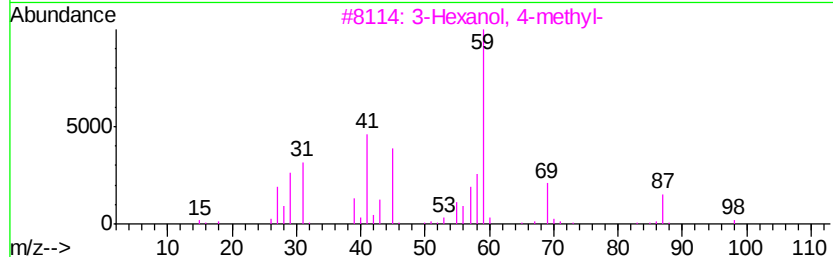
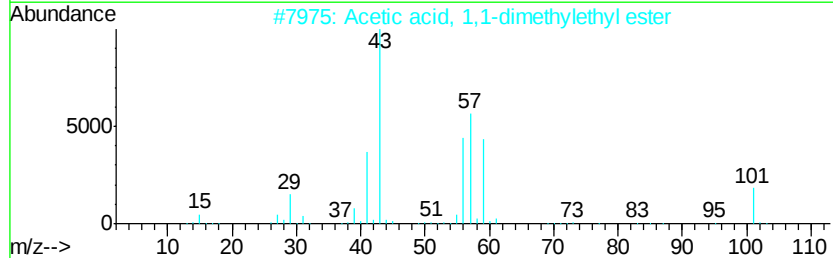
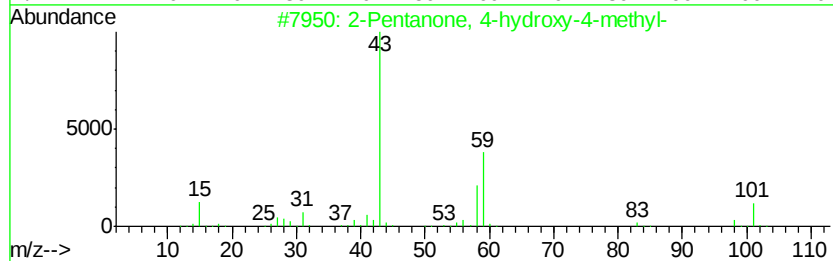
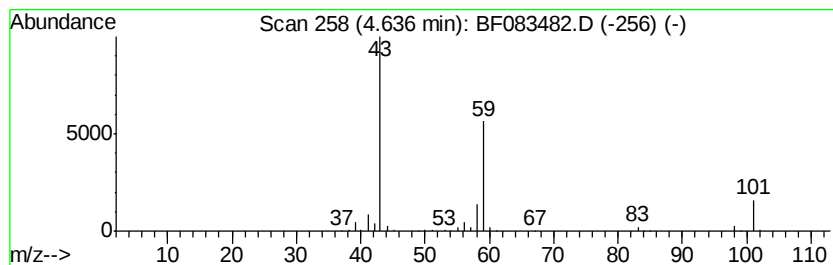
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.64	21.66 ng	1041800	1,4-Dichlorobenzene-d4	6.53

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2			Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4			2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
5			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23



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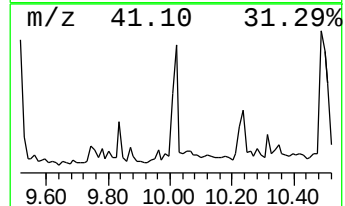
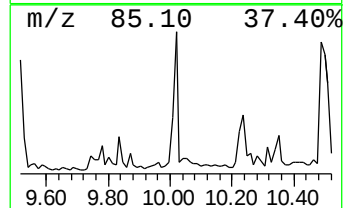
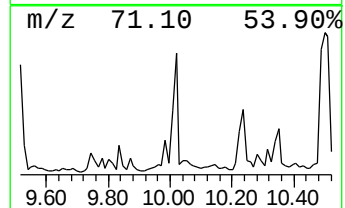
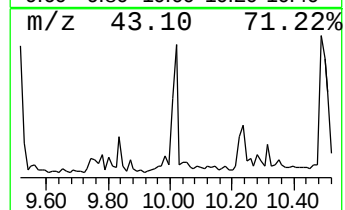
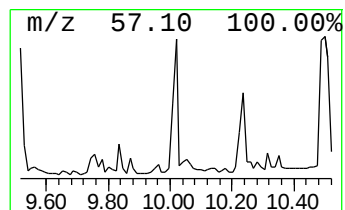
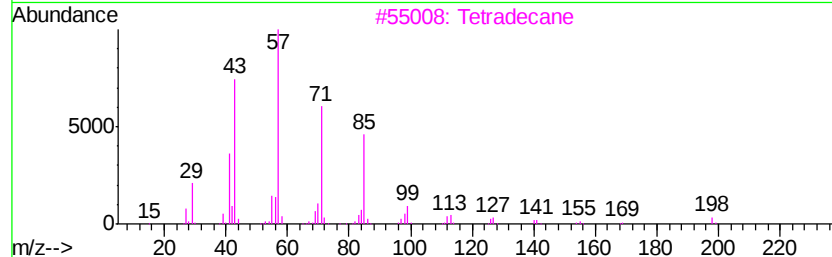
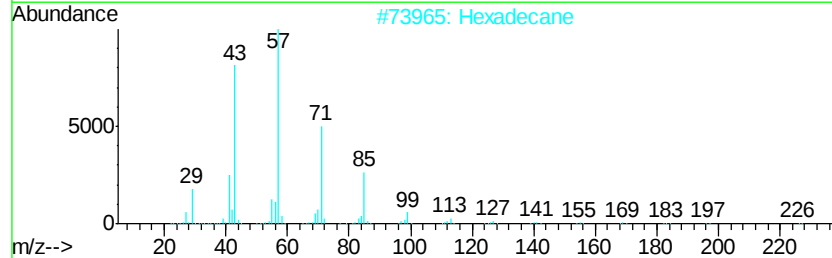
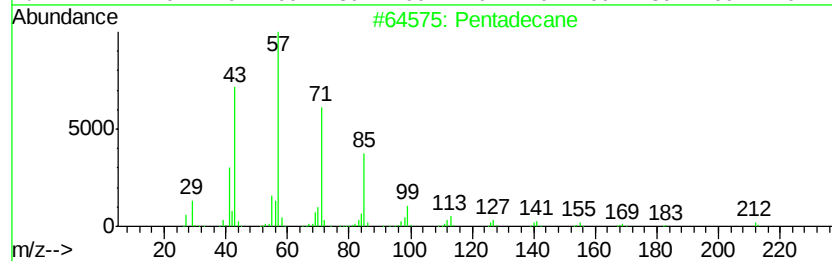
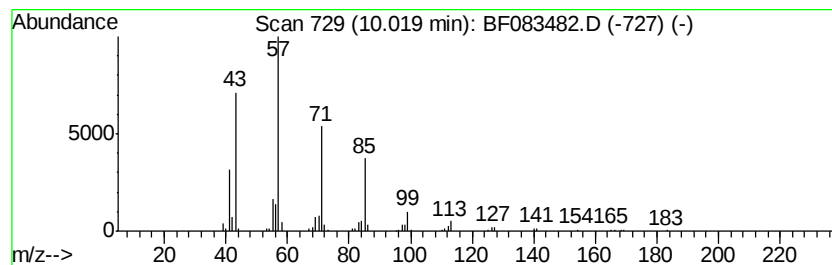
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Pentadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.02	3.60 ng	244245	Acenaphthene-d10	9.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane		212	C15H32	000629-62-9	90
2	Hexadecane		226	C16H34	000544-76-3	90
3	Tetradecane		198	C14H30	000629-59-4	86
4	Dodecane, 2-methyl-6-propyl-		226	C16H34	055045-08-4	86
5	Dodecane, 1-iodo-		296	C12H25I	004292-19-7	80



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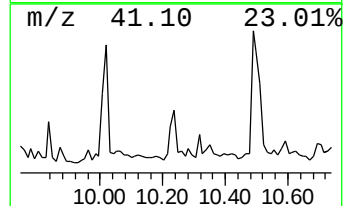
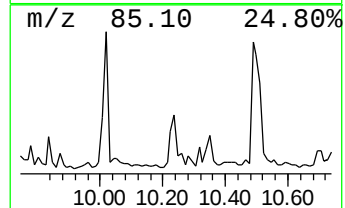
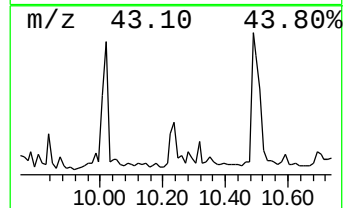
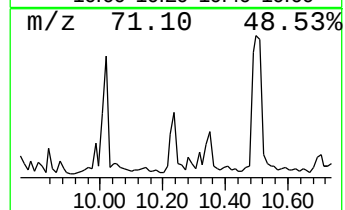
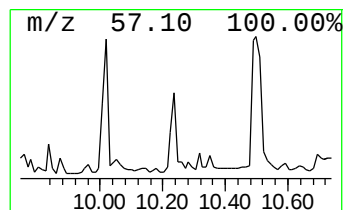
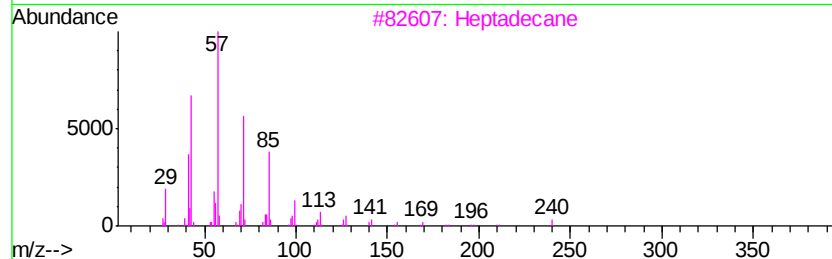
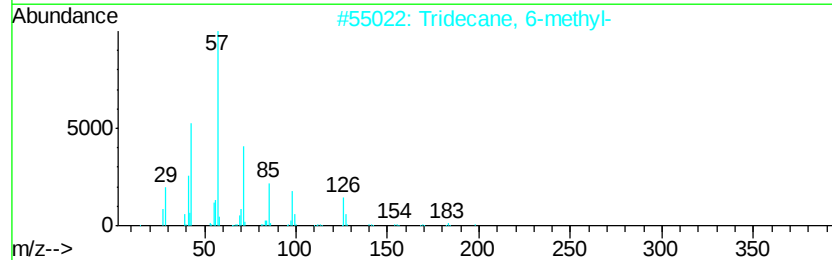
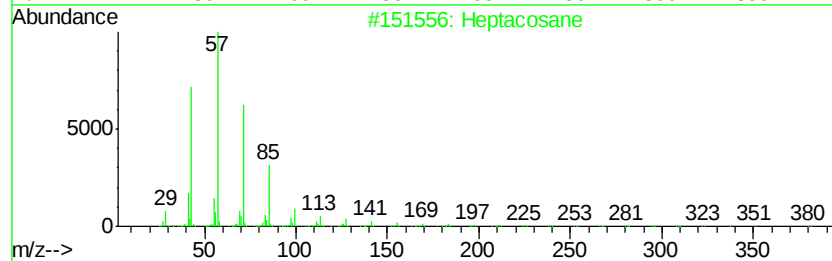
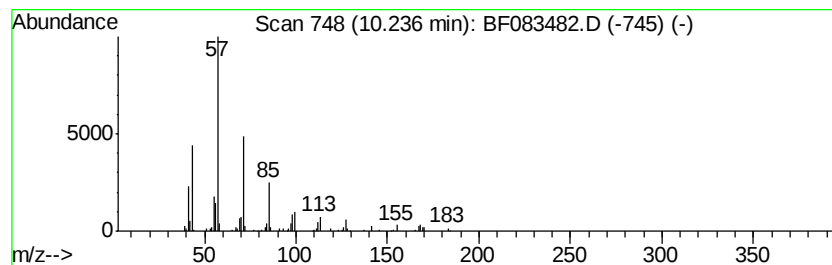
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Heptacosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.24	2.61 ng	176808	Acenaphthene-d10	9.56

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane		380	C27H56	000593-49-7	86
2	Tridecane, 6-methyl-		198	C14H30	013287-21-3	80
3	Heptadecane		240	C17H36	000629-78-7	80
4	Tetracosane		338	C24H50	000646-31-1	72
5	Hexadecane		226	C16H34	000544-76-3	72



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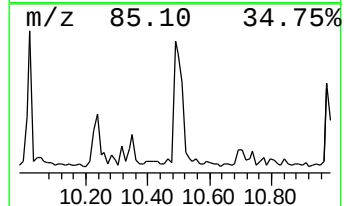
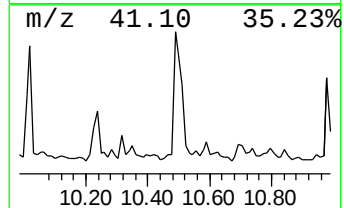
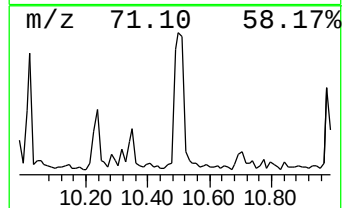
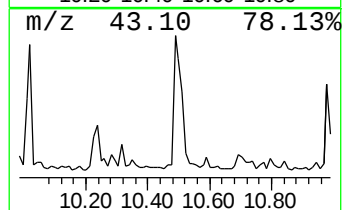
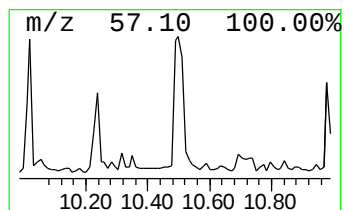
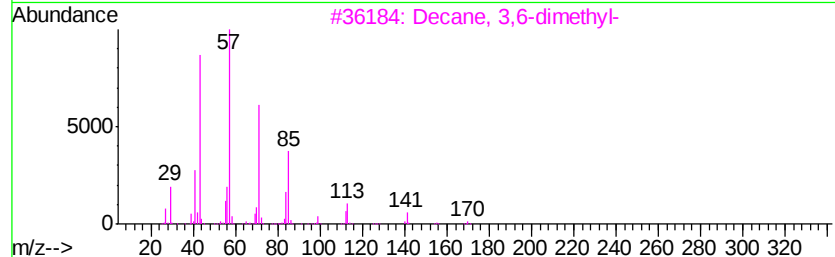
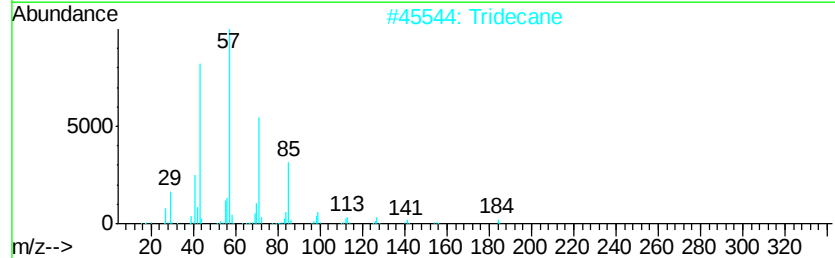
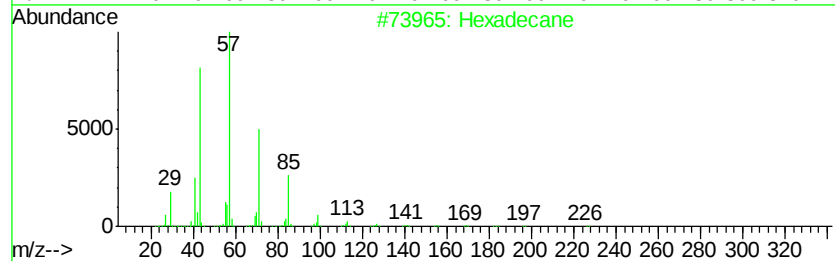
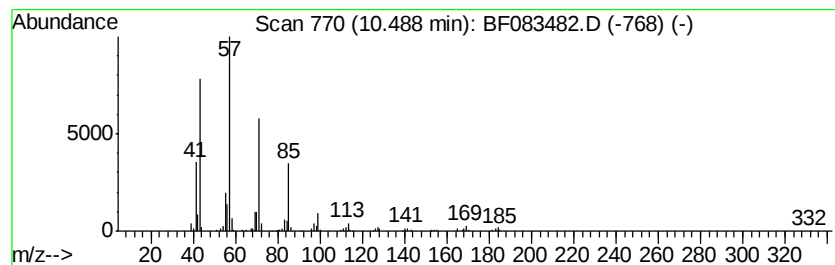
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Hexadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	7.69 ng	518765	Phenanthrene-d10	11.09

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane		226	C16H34	000544-76-3	91
2	Tridecane		184	C13H28	000629-50-5	87
3	Decane, 3,6-dimethyl-		170	C12H26	017312-53-7	81
4	Undecane, 2-methyl-		170	C12H26	007045-71-8	81
5	Tridecane, 1-iodo-		310	C13H27I	035599-77-0	80



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120315\
Data File : BF083482.D
Acq On : 4 Dec 2015 2:25
Operator : UM/IZ
Sample : G4617-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

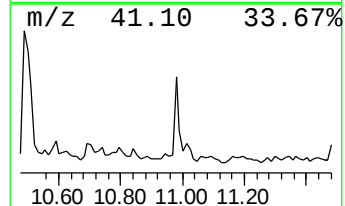
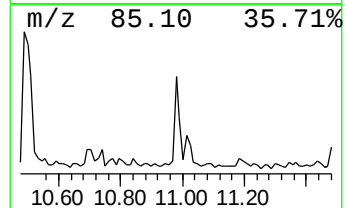
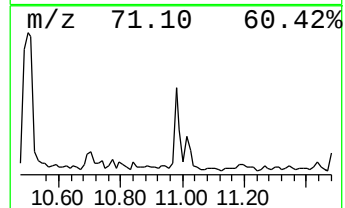
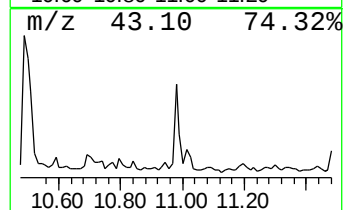
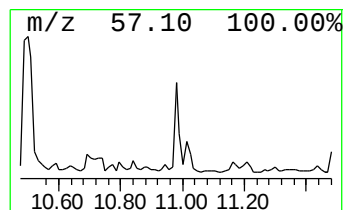
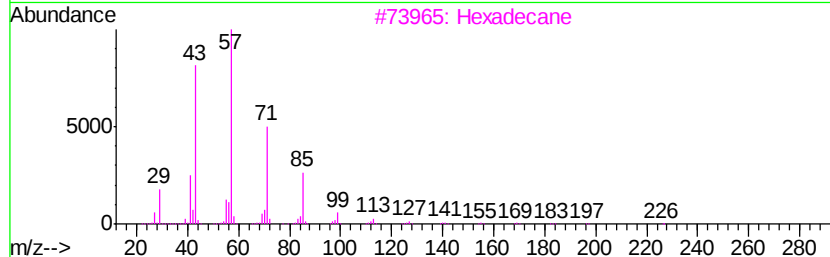
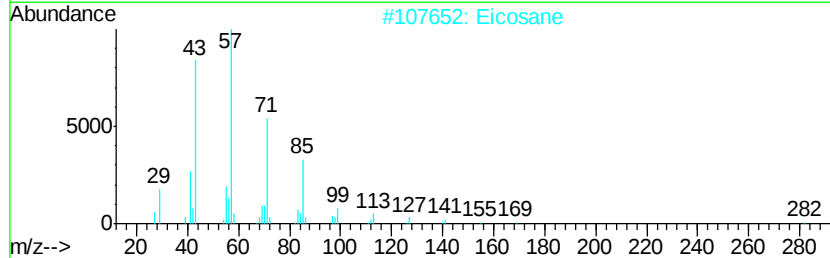
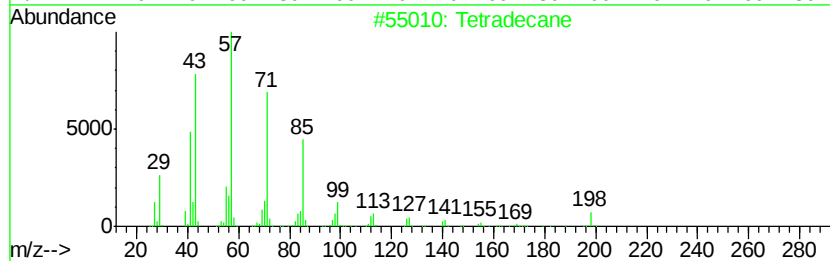
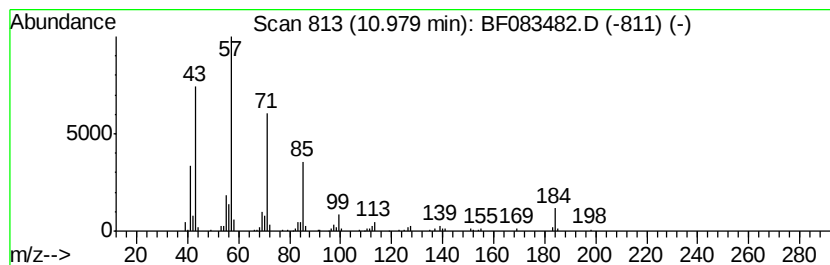
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Tetradecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.98	2.58 ng	173997	Phenanthrene-d10	11.09	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	89
2	Eicosane	282	C20H42	000112-95-8	87
3	Hexadecane	226	C16H34	000544-76-3	87
4	Tridecane	184	C13H28	000629-50-5	74
5	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120315\
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Instrument :
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ClientSampleId :
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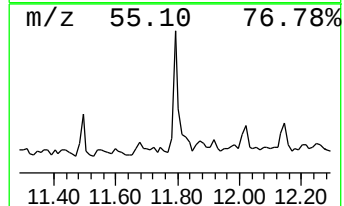
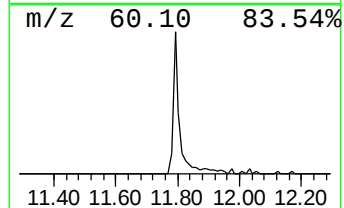
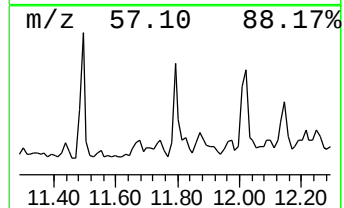
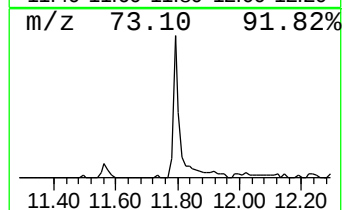
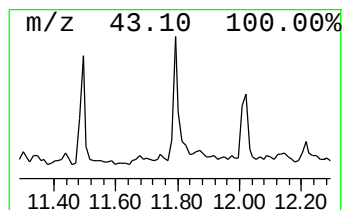
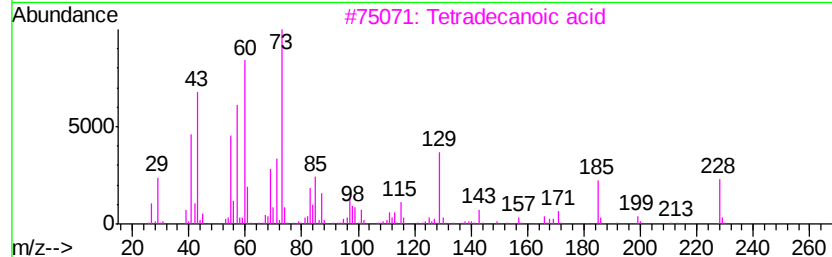
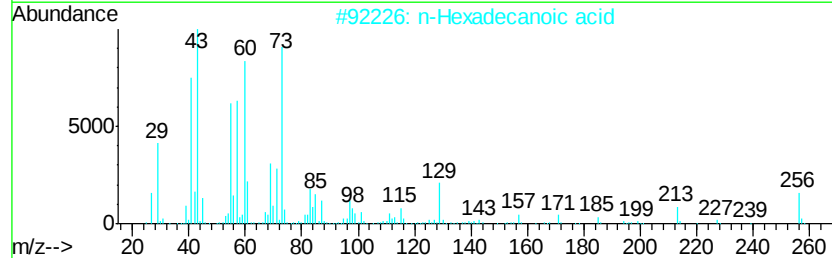
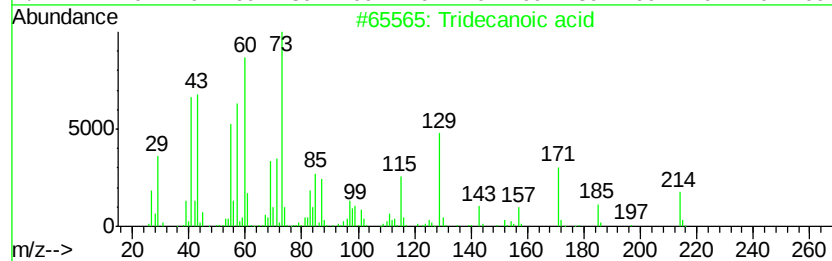
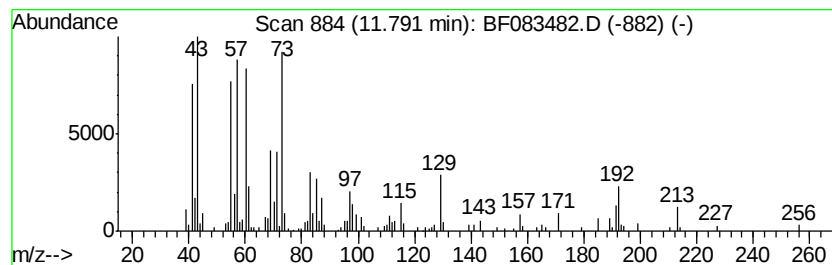
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Tridecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	3.99 ng	269228	Phenanthrene-d10	11.09

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tridecanoic acid	214	C13H26O2	000638-53-9	91
2		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	81
3		Tetradecanoic acid	228	C14H28O2	000544-63-8	58
4		n-Decanoic acid	172	C10H20O2	000334-48-5	38
5		Amyl Nitrite	117	C5H11NO2	000110-46-3	22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120315\
Data File : BF083482.D
Acq On : 4 Dec 2015 2:25
Operator : UM/IZ
Sample : G4617-06
Misc :
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Instrument :
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ClientSampleId :
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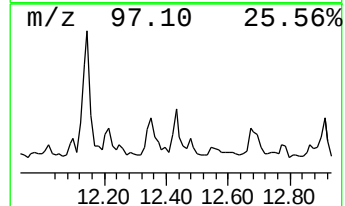
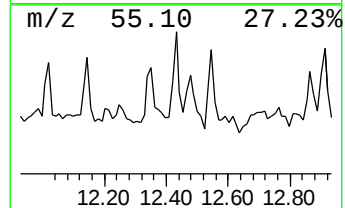
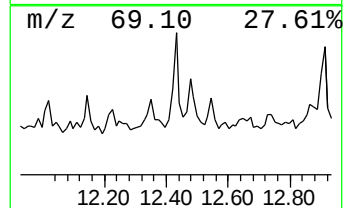
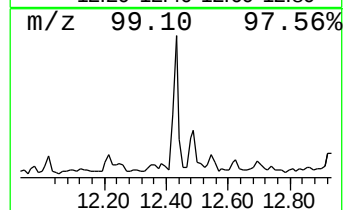
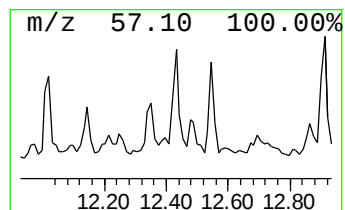
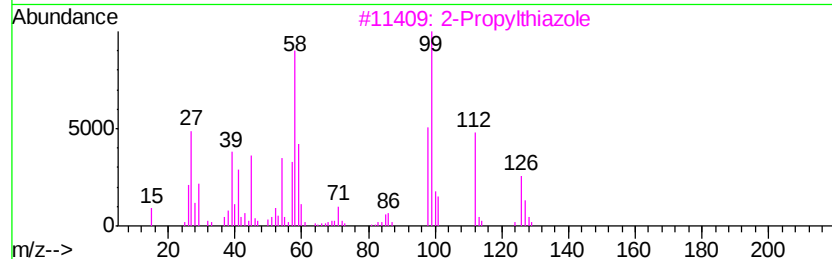
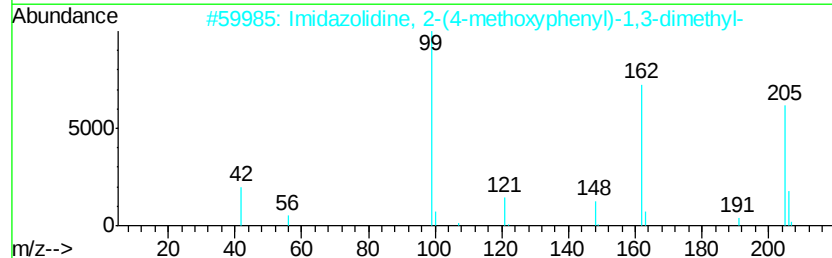
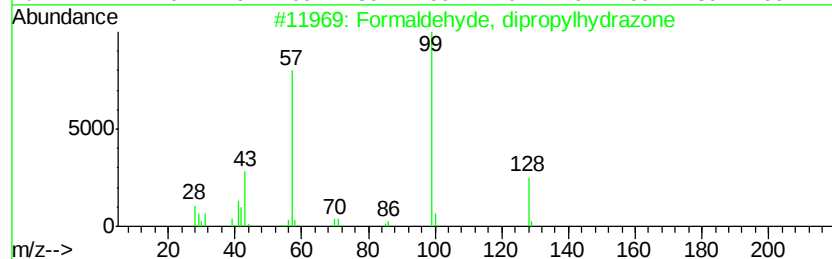
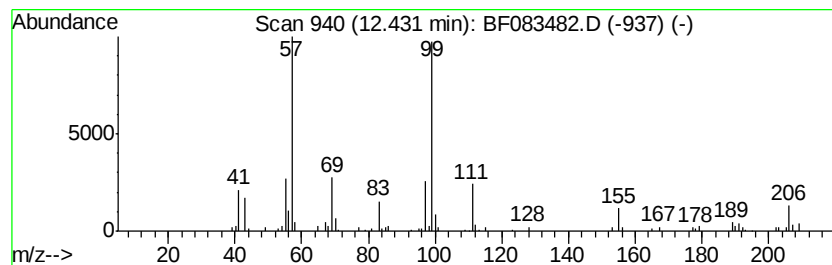
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown12.43 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	2.44 ng	164470	Phenanthrene-d10	11.09

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Formaldehyde, dipropylhydrazone	128	C7H16N2	054253-56-4	43
2		Imidazolidine, 2-(4-methoxyphenyl)-1,3-dimethyl-	206	C12H18N2O	023229-39-2	37
3		2-Propylthiazole	127	C6H9NS	017626-75-4	35
4		1,3,2-Dioxaborolane, 2,4-diethyl-	128	C6H13BO2	057633-63-3	32
5		4-Butoxy-2,4-dimethyl-2-pentene	170	C11H22O	1000159-08-7	28



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120315\
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Misc :
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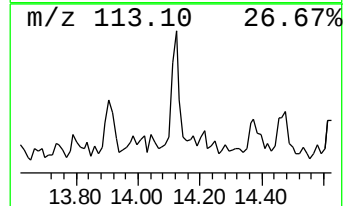
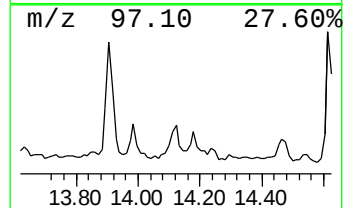
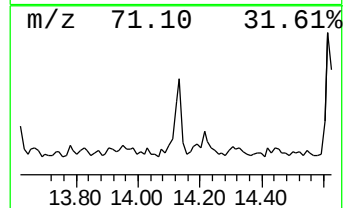
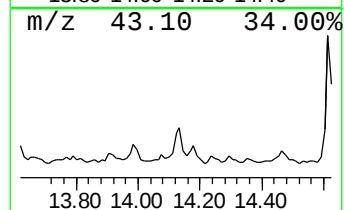
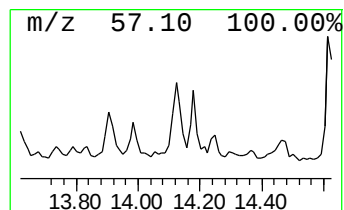
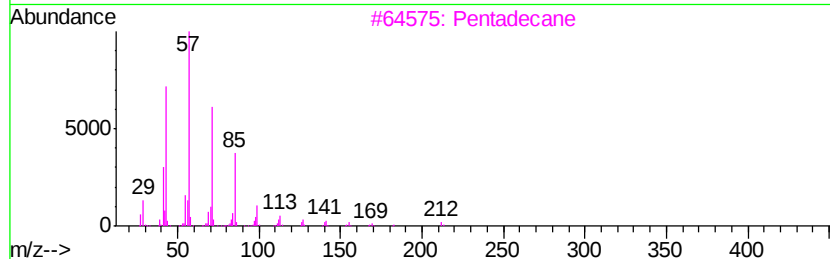
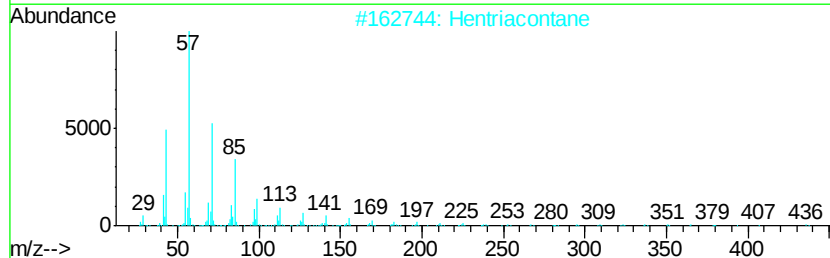
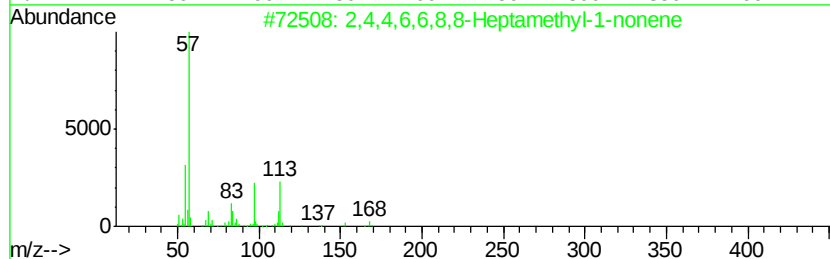
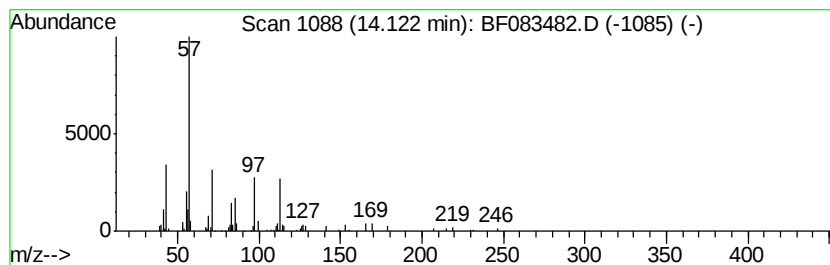
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 unknown14.12 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.12	2.33 ng	120911	Chrysene-d12	14.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,4,4,6,6,8,8-Heptamethyl-1-nonene	224	C16H32	015796-04-0	47
2		Hentriacontane	437	C31H64	000630-04-6	43
3		Pentadecane	212	C15H32	000629-62-9	38
4		Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	38
5		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120315\
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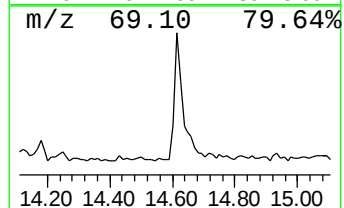
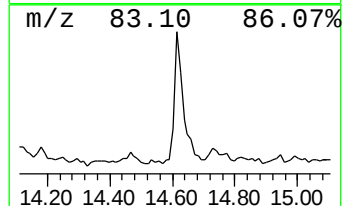
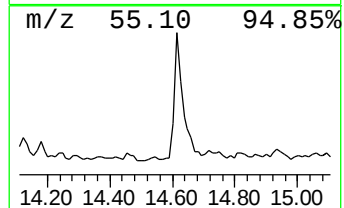
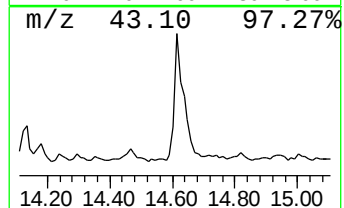
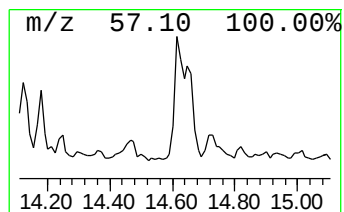
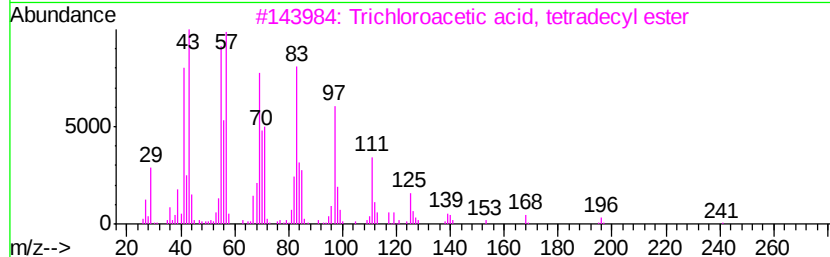
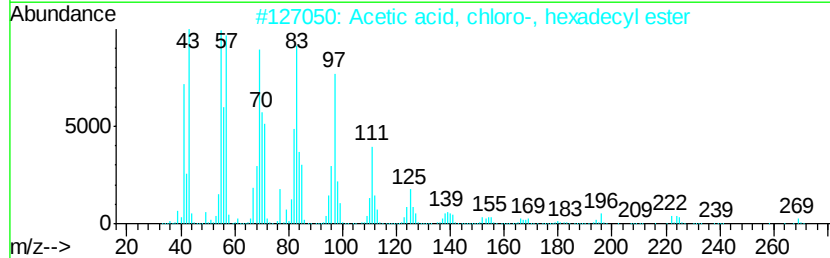
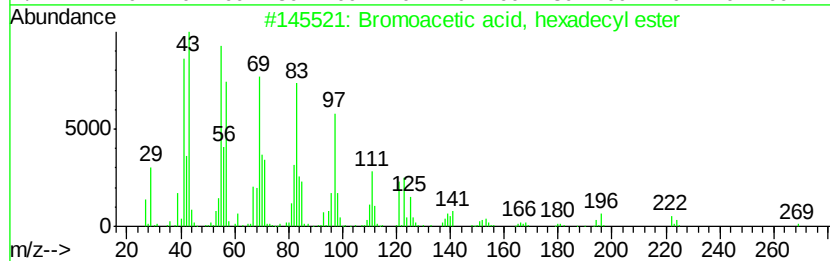
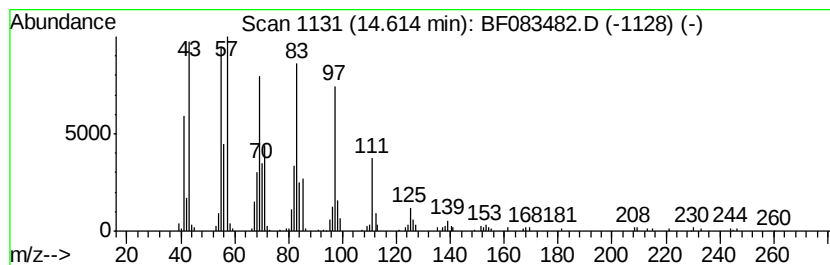
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Bromoacetic acid, hexadecyl... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	9.93 ng	515797	Chrysene-d12	14.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bromoacetic acid, hexadecyl ester	362	C18H35BrO2	005454-48-8	91
2		Acetic acid, chloro-, hexadecyl ...	318	C18H35ClO2	052132-58-8	91
3		Trichloroacetic acid, tetradecyl...	358	C16H29Cl3O2	074339-52-9	90
4		1-Nonadecanol	284	C19H40O	001454-84-8	90
5		11-Tricosene	322	C23H46	052078-56-5	87



Data Path : Z:\HPCHEM1\BNA F\DATA\BF120315\
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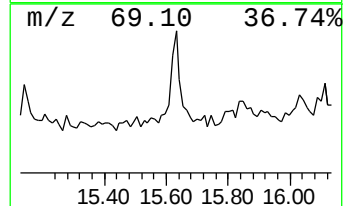
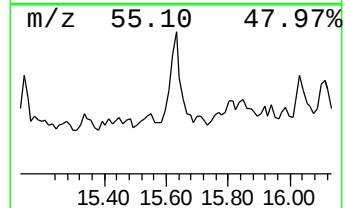
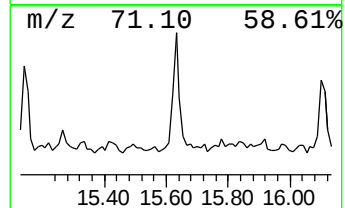
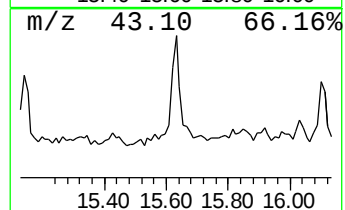
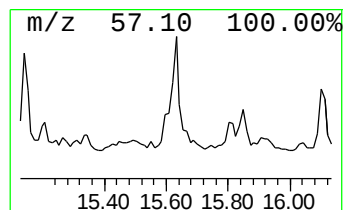
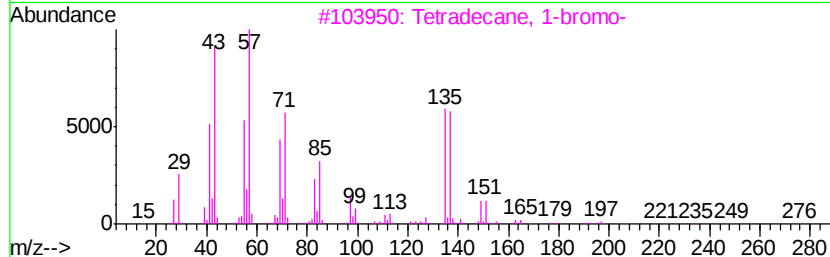
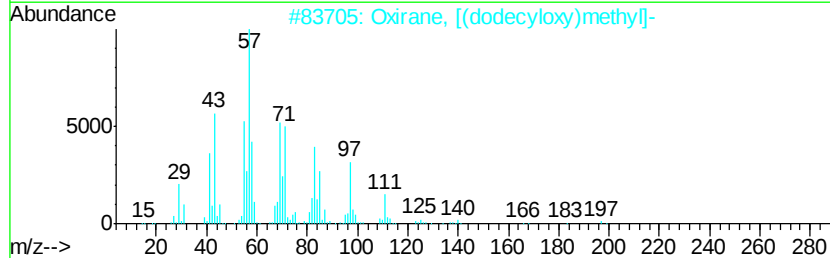
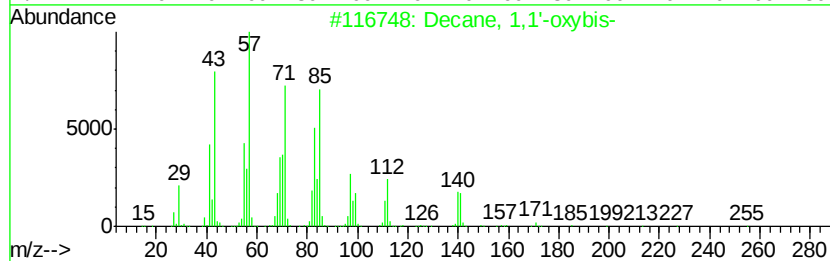
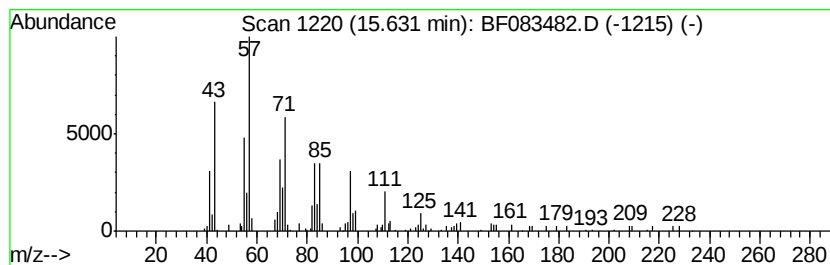
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Decane, 1,1'-oxybis- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.63	3.47 ng	180158	Chrysene-d12	14.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 1,1'-oxybis-	298	C20H42O	002456-28-2	72
2		Oxirane, [(dodecyloxy)methyl]-	242	C15H30O2	002461-18-9	52
3		Tetradecane, 1-bromo-	276	C14H29Br	000112-71-0	50
4		Heptadecane, 1-bromo-	318	C17H35Br	003508-00-7	50
5		Trichloroacetic acid, tetradecyl...	358	C16H29Cl3O2	074339-52-9	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120315\
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ClientSampleId :
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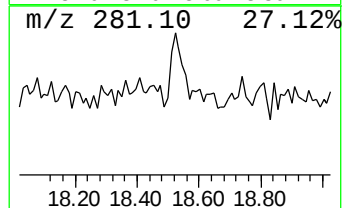
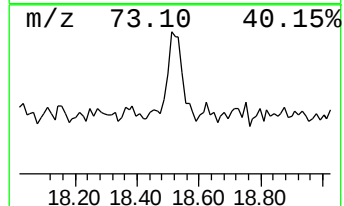
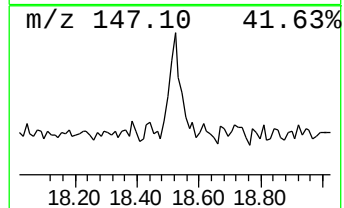
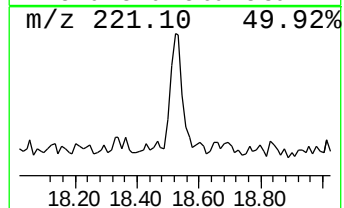
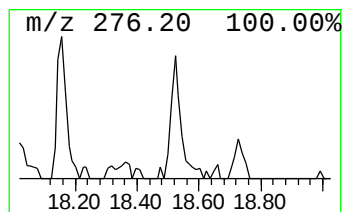
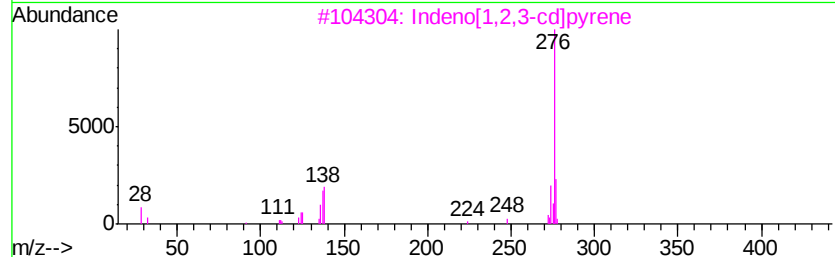
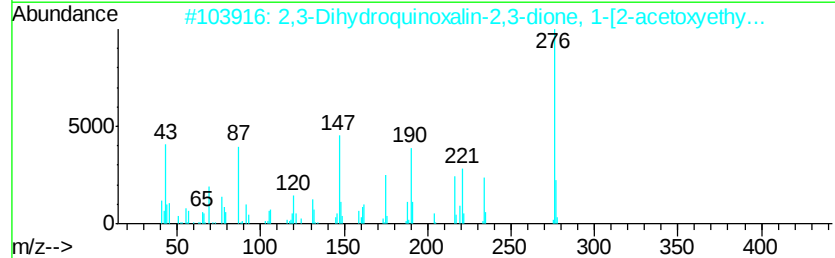
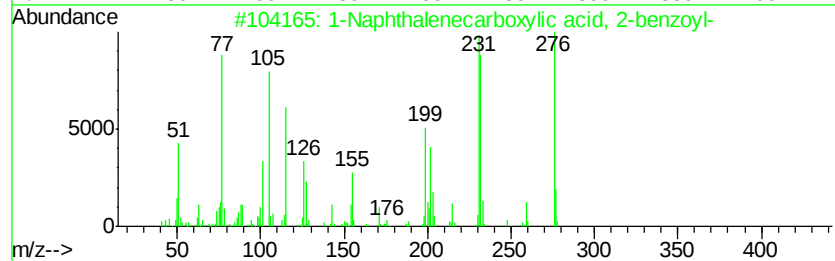
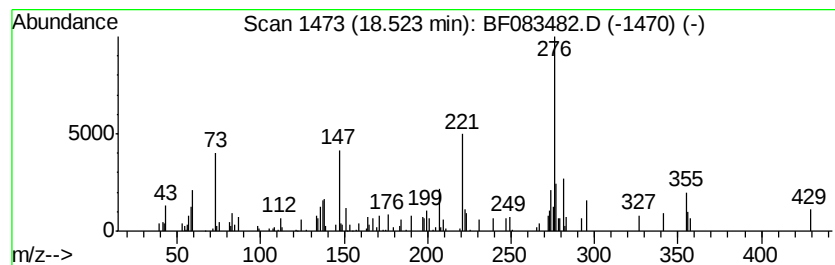
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 1-Naphthalenecarboxylic aci... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	2.73 ng	108044	Perylene-d12	16.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Naphthalenecarboxylic acid, 2-...	276	C18H12O3	038119-11-8	70
2		2,3-Dihydroquinoxalin-2,3-dione,...	276	C14H16N2O4	1000127-85-5	47
3		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	38
4		Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	38
5		Estran-17-one, 3-hydroxy-, (3.alpha.)...	276	C18H28O2	001225-01-0	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120315\
Data File : BF083482.D
Acq On : 4 Dec 2015 2:25
Operator : UM/IZ
Sample : G4617-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-11

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.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...	4.64	21.7	ng	1041800	1	6.53	961777	20.0
Pentadecane	10.02	3.6	ng	244245	3	9.56	1355900	20.0
Heptacosane	10.24	2.6	ng	176808	3	9.56	1355900	20.0
Hexadecane	10.49	7.7	ng	518765	4	11.09	1348890	20.0
Tetradecane	10.98	2.6	ng	173997	4	11.09	1348890	20.0
Tridecanoic acid	11.79	4.0	ng	269228	4	11.09	1348890	20.0
unknown12.43	12.43	2.4	ng	164470	4	11.09	1348890	20.0
unknown14.12	14.12	2.3	ng	120911	5	14.71	1039090	20.0
Bromoacetic acid,...	14.61	9.9	ng	515797	5	14.71	1039090	20.0
Decane, 1,1'-oxybis-	15.63	3.5	ng	180158	5	14.71	1039090	20.0
1-Naphthalenecarb...	18.52	2.7	ng	108044	6	16.77	792376	20.0