

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050316\
 Data File : BF086649.D
 Acq On : 3 May 2016 17:25
 Operator : UM/SJ
 Sample : H2685-07
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2B-CS-4(0-10FTBGS)

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-BF042716.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	4.921	246	248	256	rBV	155285	259988	5.65%	0.537%
2	5.344	282	285	287	rBV	4172365	4174884	90.74%	8.626%
3	6.396	374	377	379	rBV	4138963	4520285	98.25%	9.340%
4	6.521	385	388	390	rBV	4590541	4601014	100.00%	9.506%
5	6.750	406	408	413	rBV	1433976	1313355	28.54%	2.714%
6	6.910	419	422	424	rBV	3420677	3456280	75.12%	7.141%
7	7.322	455	458	460	rBV	2848641	3025890	65.77%	6.252%
8	7.424	464	467	474	rVB2	48571	121766	2.65%	0.252%
9	8.042	518	521	523	rBV	1524310	1661168	36.10%	3.432%
10	9.116	612	615	618	rBV	4453389	4146531	90.12%	8.567%
11	9.516	648	650	652	rBV	369913	389092	8.46%	0.804%
12	9.733	667	669	671	rBV	162826	132057	2.87%	0.273%
13	9.790	671	674	676	rBV	1931640	1719818	37.38%	3.553%
14	10.236	711	713	714	rVB	150065	177235	3.85%	0.366%
15	10.328	720	721	725	rVB4	24222	48449	1.05%	0.100%
16	10.442	728	731	733	rBV2	81018	141548	3.08%	0.292%
17	10.579	740	743	745	rBV	2343956	2519614	54.76%	5.206%
18	10.705	752	754	758	rVB	262664	317494	6.90%	0.656%
19	10.842	764	766	768	rVB2	36088	55356	1.20%	0.114%
20	10.876	768	769	773	rBV4	39333	97277	2.11%	0.201%
21	10.933	773	774	777	rBV3	27734	49647	1.08%	0.103%
22	11.151	789	793	794	rBV	157458	177139	3.85%	0.366%
23	11.173	794	795	799	rVB	40554	59027	1.28%	0.122%
24	11.265	801	803	807	rVV2	1081496	1640380	35.65%	3.389%
25	11.345	807	810	812	rVB3	74024	125034	2.72%	0.258%
26	11.505	821	824	828	rBV	42567	89787	1.95%	0.186%
27	11.573	828	830	835	rVB	58688	79058	1.72%	0.163%
28	11.813	848	851	853	rBV	841668	827942	17.99%	1.711%
29	11.882	855	857	862	rVB2	89376	147169	3.20%	0.304%
30	12.088	871	875	879	rBV2	59423	104283	2.27%	0.215%
31	12.476	907	909	912	rBV	781638	743050	16.15%	1.535%
32	12.591	918	919	926	rBV3	214654	399491	8.68%	0.825%
33	12.705	926	929	931	rVV	638596	700157	15.22%	1.447%
34	12.739	931	932	936	rVB2	61562	110899	2.41%	0.229%

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35	12.854	940	942	945	rVV	2631634	2874418	62.47%	5.939%
36	12.922	946	948	950	rVB2	34465	56673	1.23%	0.117%
37	13.036	957	958	960	rVB	61021	46204	1.00%	0.095%
38	13.094	961	963	965	rVV2	63149	90992	1.98%	0.188%
39	13.139	965	967	968	rBV	48654	54654	1.19%	0.113%
40	13.436	991	993	995	rBV2	43334	51948	1.13%	0.107%
41	13.539	1000	1002	1005	rBV2	38966	76024	1.65%	0.157%
42	13.654	1009	1012	1013	rBV2	49065	90981	1.98%	0.188%
43	13.768	1019	1022	1030	rBV2	371617	733024	15.93%	1.515%
44	13.905	1030	1034	1041	rBV2	1059195	2018968	43.88%	4.171%
45	14.008	1041	1043	1044	rBV	72624	69826	1.52%	0.144%
46	14.408	1074	1078	1082	rBV5	78408	253688	5.51%	0.524%
47	14.659	1099	1100	1106	rBV2	145324	213900	4.65%	0.442%
48	14.911	1119	1122	1126	rBV	286779	631058	13.72%	1.304%
49	14.991	1127	1129	1131	rVV3	117037	156291	3.40%	0.323%
50	15.185	1143	1146	1148	rVB	172773	235684	5.12%	0.487%
51	15.242	1148	1151	1154	rVV	204885	323227	7.03%	0.668%
52	15.300	1154	1156	1165	rVB	738892	1152532	25.05%	2.381%
53	15.734	1192	1194	1197	rBV	214263	307197	6.68%	0.635%
54	16.625	1269	1272	1273	rBV	84187	142988	3.11%	0.295%
55	16.671	1273	1276	1279	rVB	252968	448953	9.76%	0.928%
56	17.025	1304	1307	1314	rVB	98807	237711	5.17%	0.491%

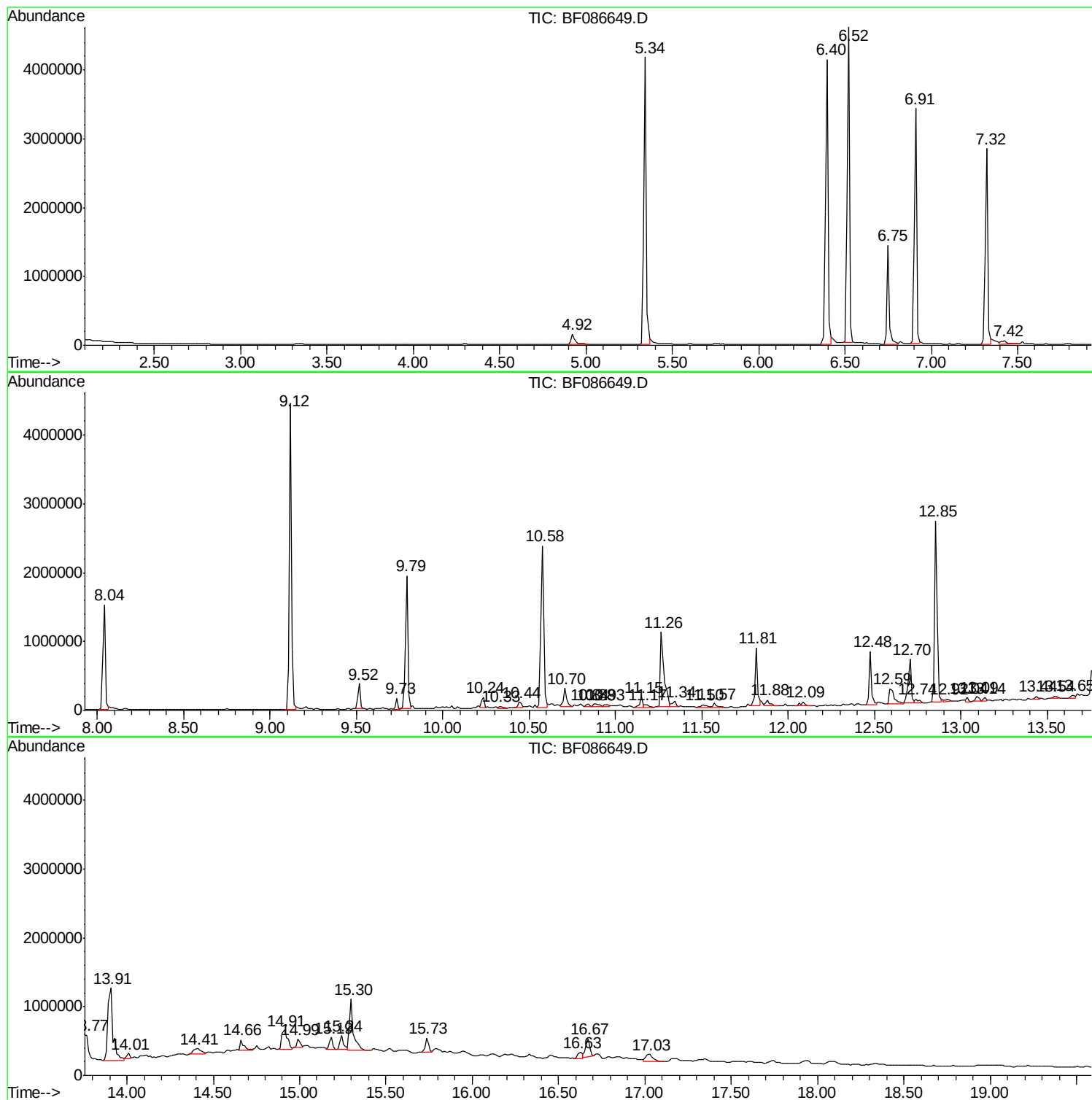
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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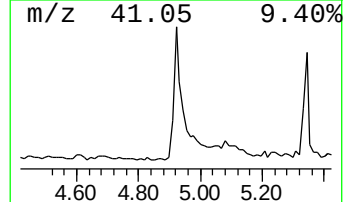
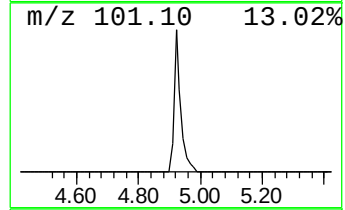
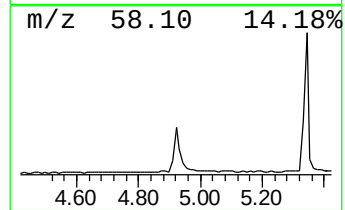
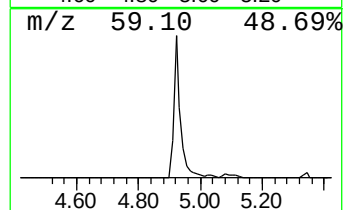
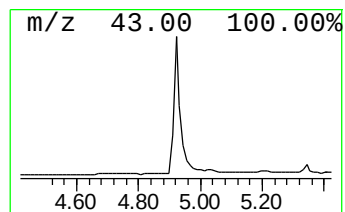
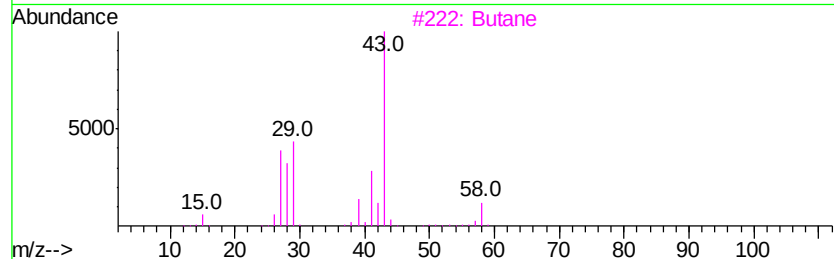
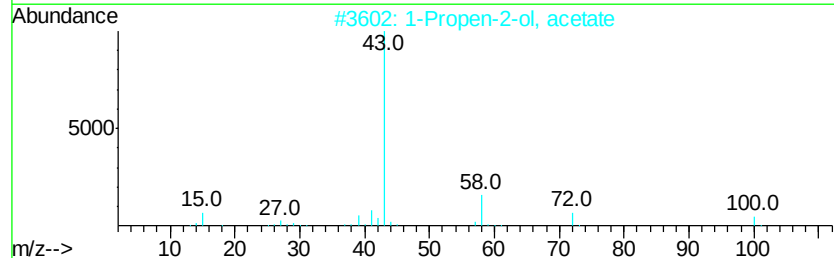
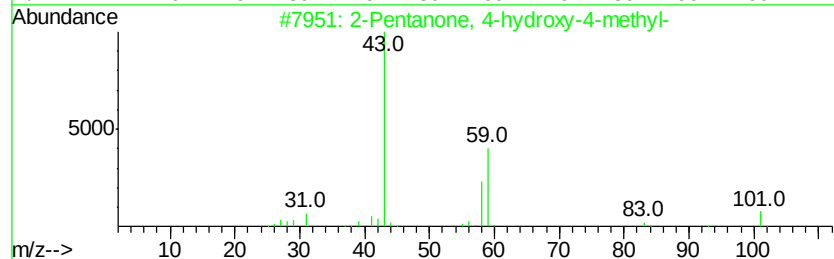
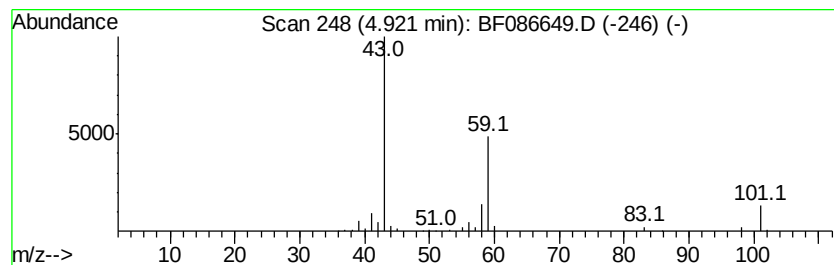
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.
4.92	3.96 ng	259988	1,4-Dichlorobenzene-d4		6.75
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
3	Butane	58	C4H10	000106-97-8	9
4	Diacetamide	101	C4H7NO2	000625-77-4	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9



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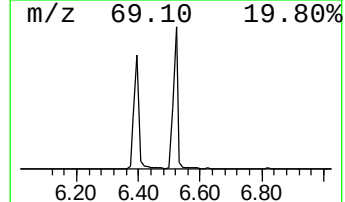
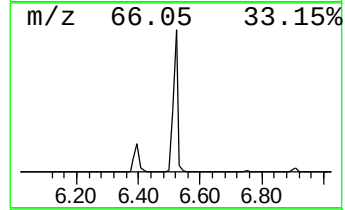
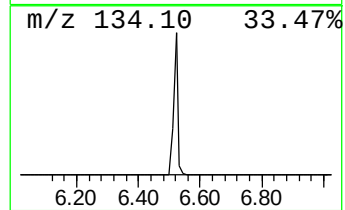
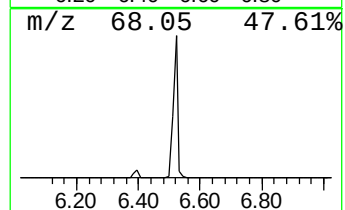
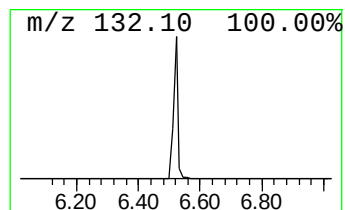
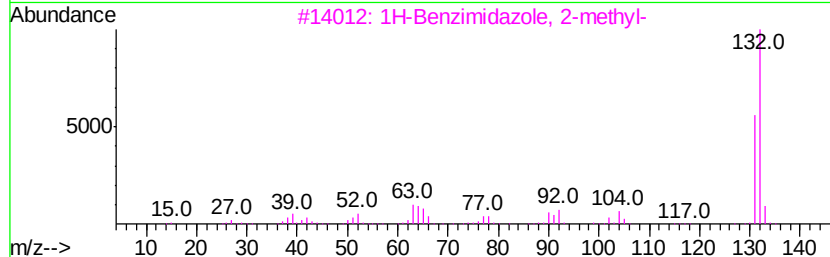
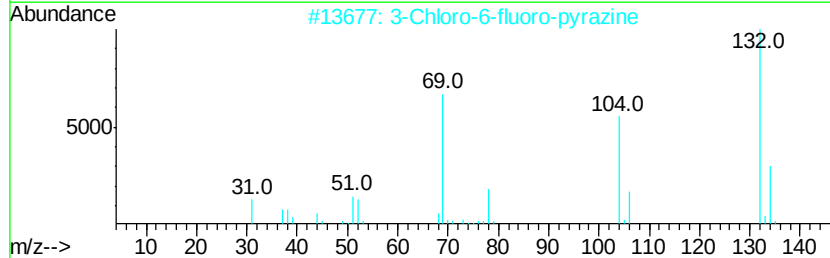
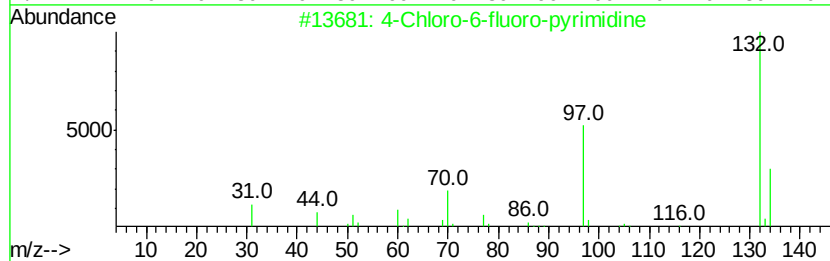
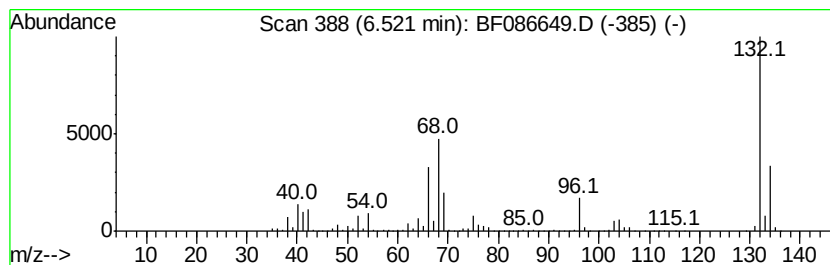
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.52 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	70.07 ng	4601010	1,4-Dichlorobenzene-d4	6.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
5		(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10



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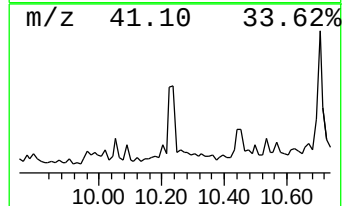
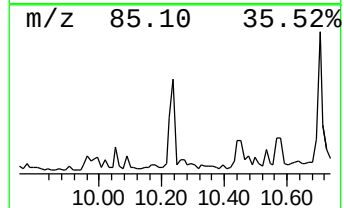
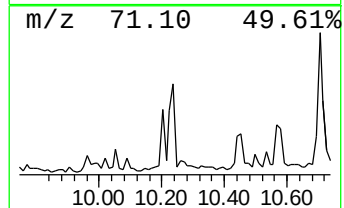
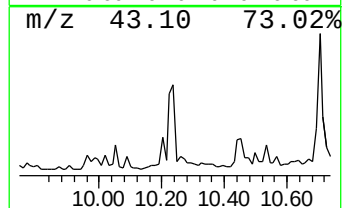
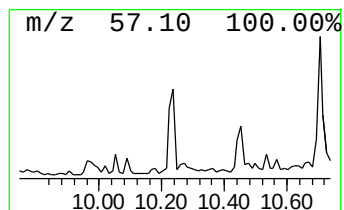
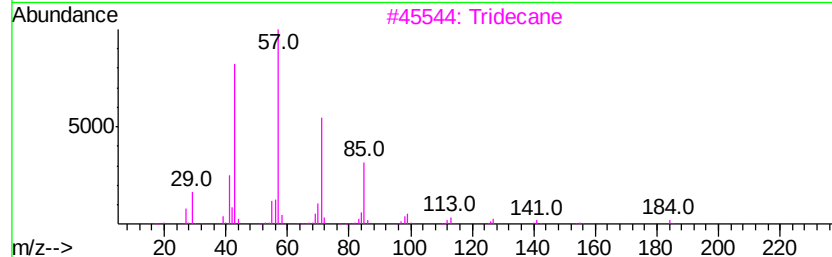
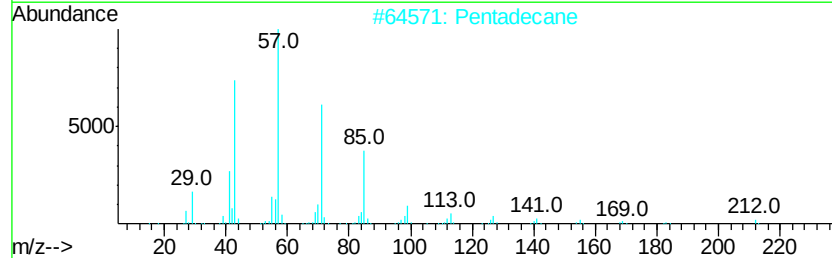
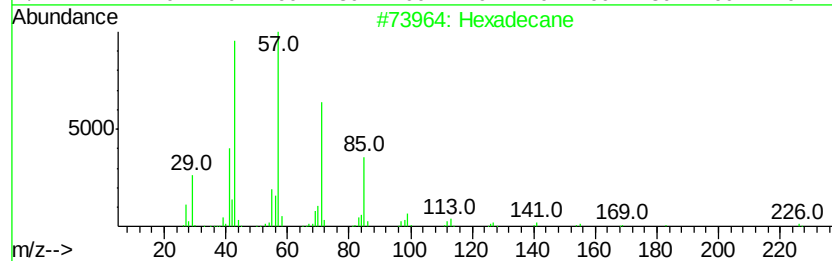
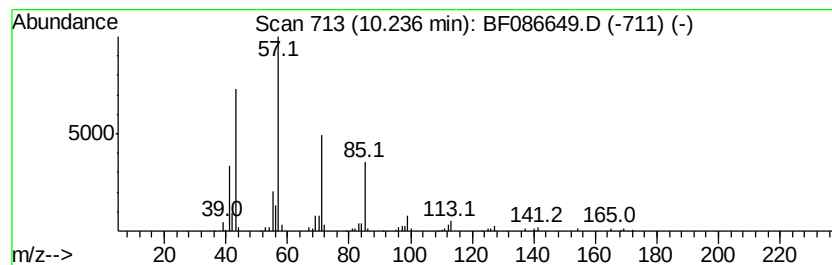
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Hexadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.24	2.06 ng	177235	Acenaphthene-d10	9.79
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Hexadecane	226 C16H34	000544-76-3	91
2	Pentadecane	212 C15H32	000629-62-9	86
3	Tridecane	184 C13H28	000629-50-5	80
4	Tetradecane	198 C14H30	000629-59-4	78
5	Decane, 3-bromo-	220 C10H21Br	030571-71-2	72



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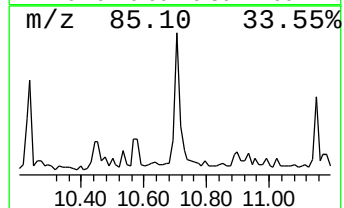
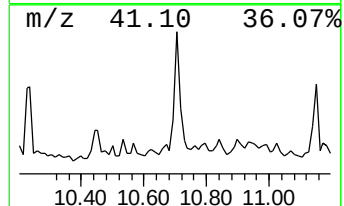
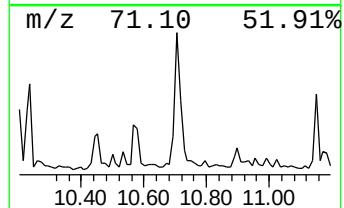
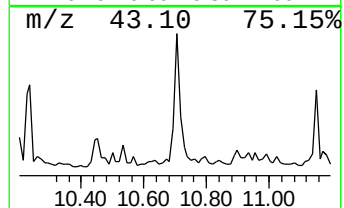
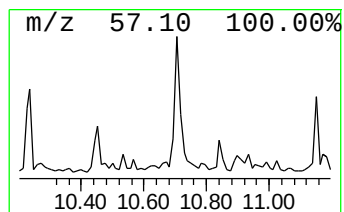
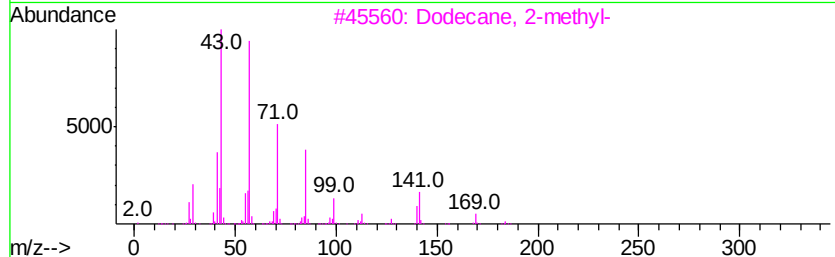
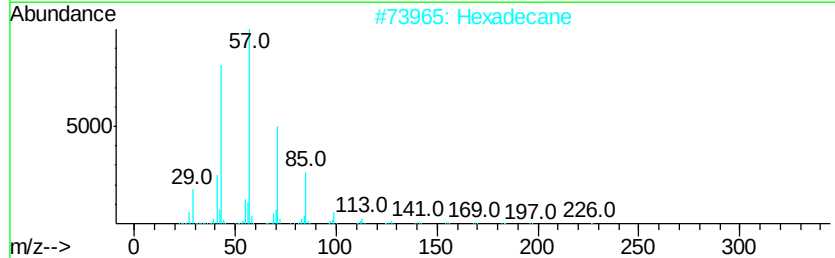
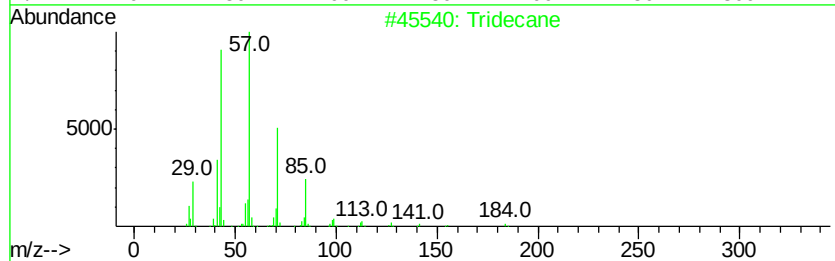
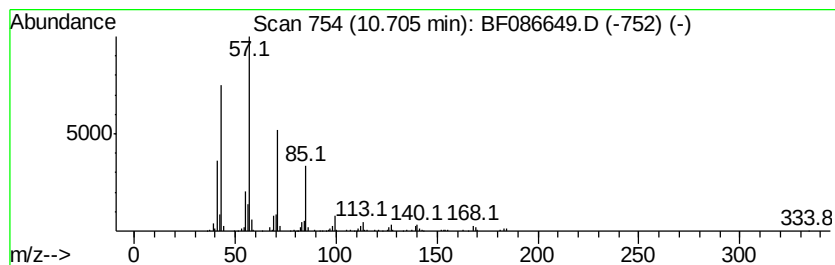
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Tridecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.70	3.87 ng	317494	Phenanthrene-d10	11.26

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane		184	C13H28	000629-50-5	91
2	Hexadecane		226	C16H34	000544-76-3	91
3	Dodecane, 2-methyl-		184	C13H28	001560-97-0	91
4	Undecane, 2-methyl-		170	C12H26	007045-71-8	91
5	Dodecane, 2-methyl-6-propyl-		226	C16H34	055045-08-4	90



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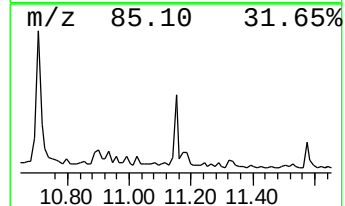
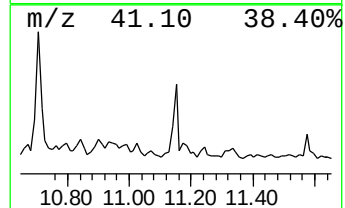
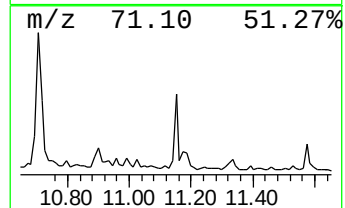
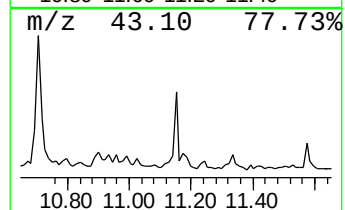
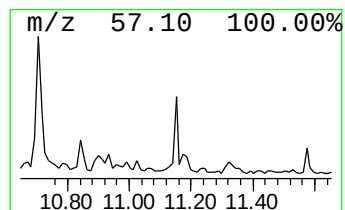
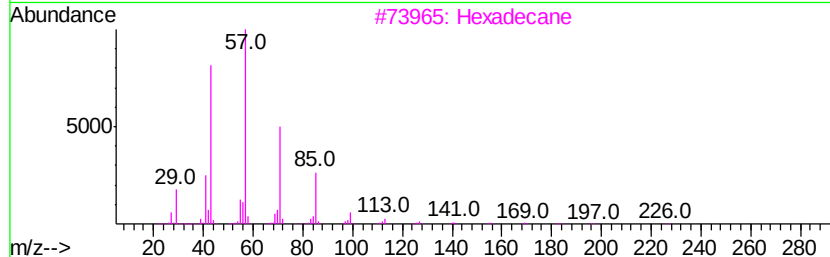
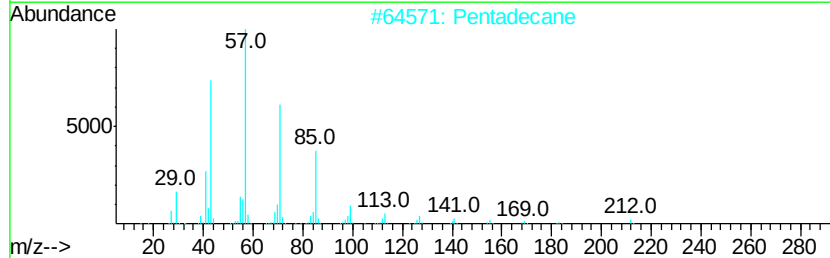
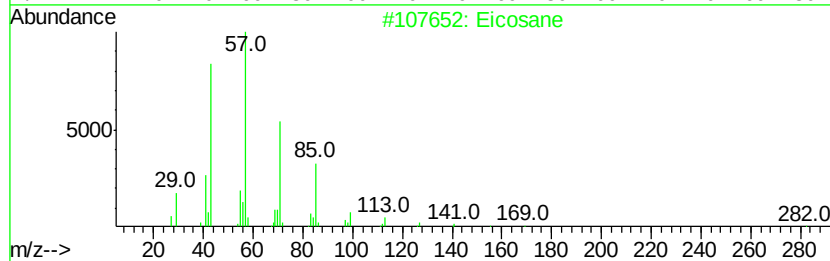
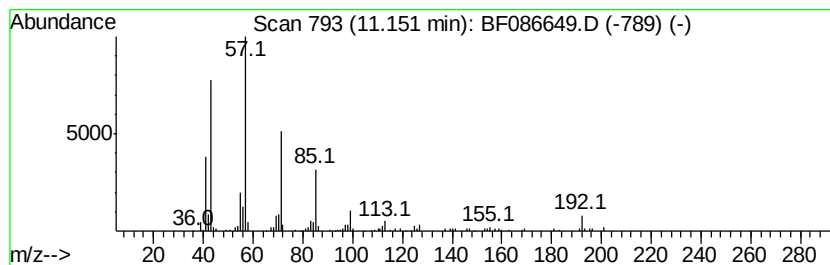
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ClientSampleId :
26WARD-2B-CS-4(0-10FTBGS)

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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 Eicosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.15	2.16 ng	177139	Phenanthrene-d10		11.26	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane		282	C20H42	000112-95-8	91
2	Pentadecane		212	C15H32	000629-62-9	91
3	Hexadecane		226	C16H34	000544-76-3	91
4	Tridecane		184	C13H28	000629-50-5	86
5	Tetradecane		198	C14H30	000629-59-4	83



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050316\
Data File : BF086649.D
Acq On : 3 May 2016 17:25
Operator : UM/SJ
Sample : H2685-07
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
26WARD-2B-CS-4(0-10FTBGS)

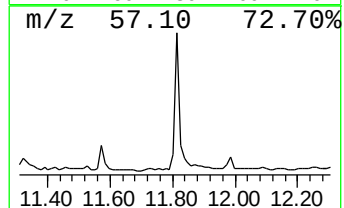
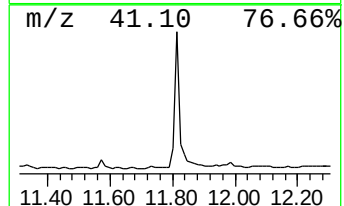
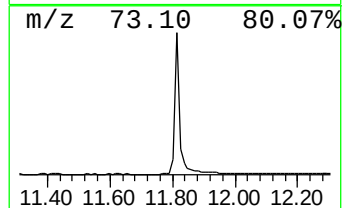
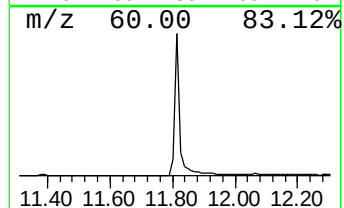
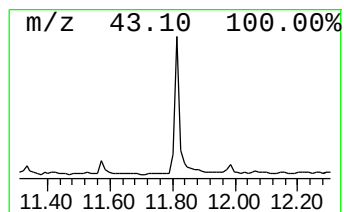
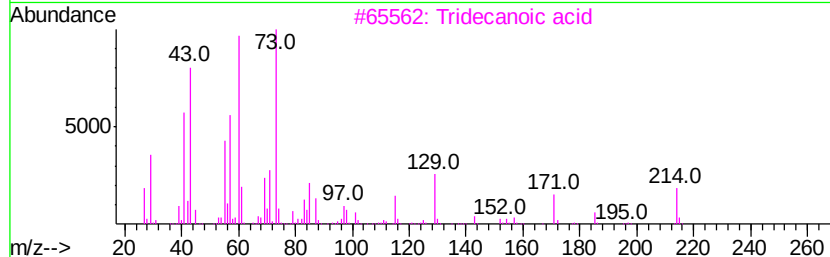
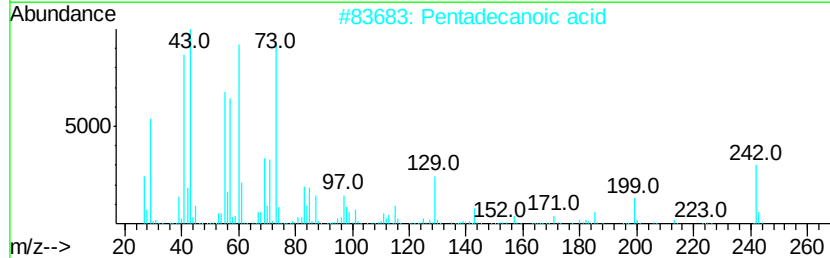
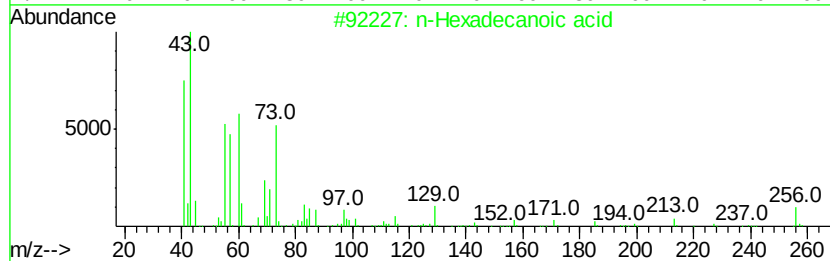
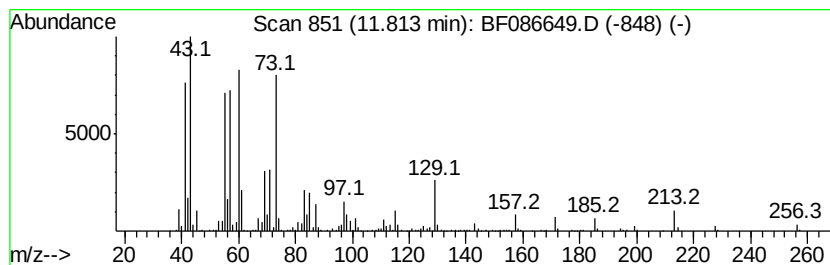
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	10.09 ng	827942	Phenanthrene-d10	11.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
2		Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3		Tridecanoic acid	214	C13H26O2	000638-53-9	87
4		Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5		Undecanoic acid	186	C11H22O2	000112-37-8	80



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050316\
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Misc :
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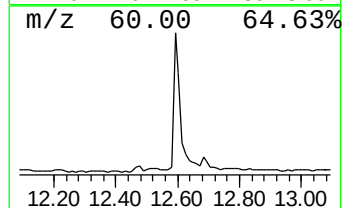
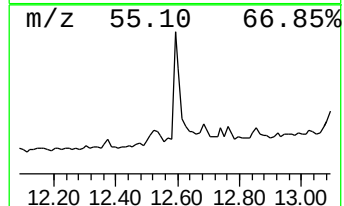
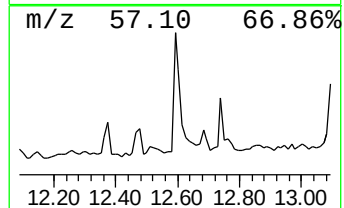
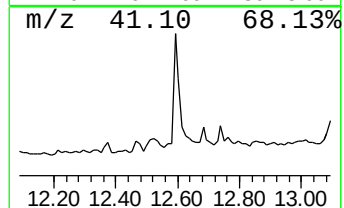
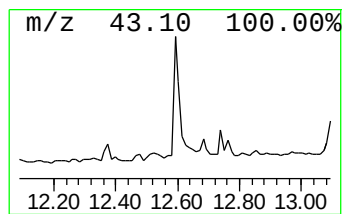
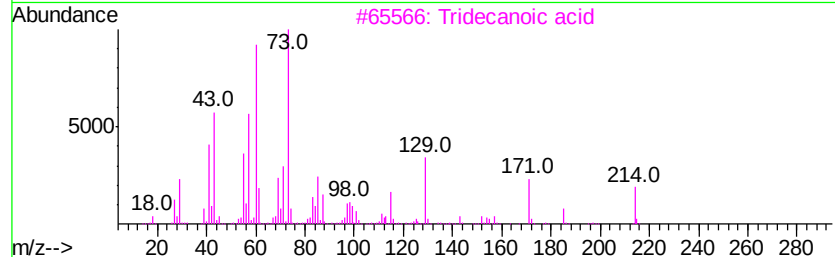
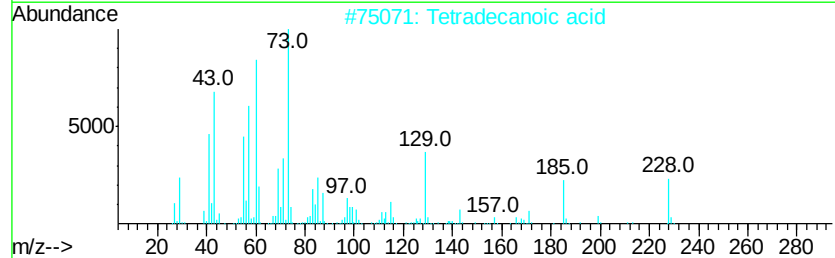
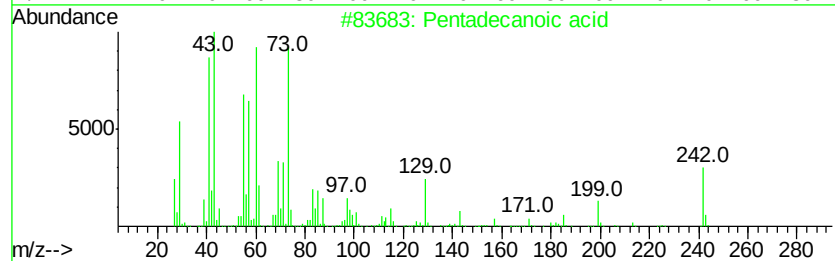
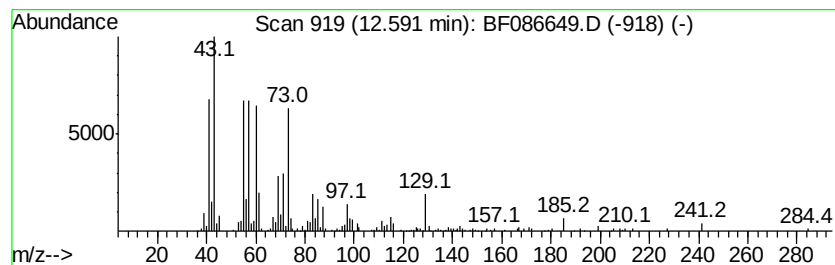
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Pentadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.59	3.96 ng	399491	Chrysene-d12		13.91
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecanoic acid	242	C15H30O2	001002-84-2	64
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	58
3	Tridecanoic acid	214	C13H26O2	000638-53-9	53
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	50
5	Dodecane, 1-chloro-	204	C12H25Cl	000112-52-7	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050316\
Data File : BF086649.D
Acq On : 3 May 2016 17:25
Operator : UM/SJ
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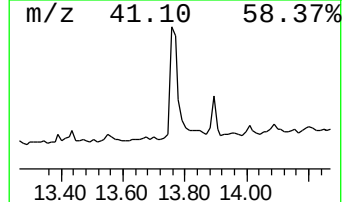
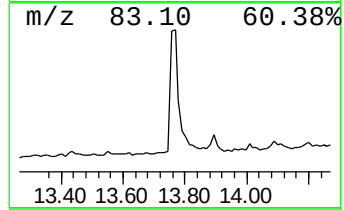
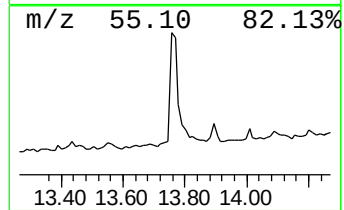
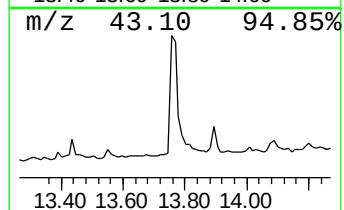
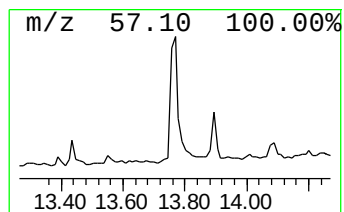
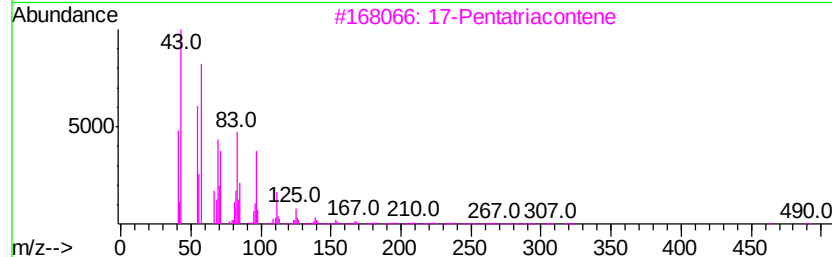
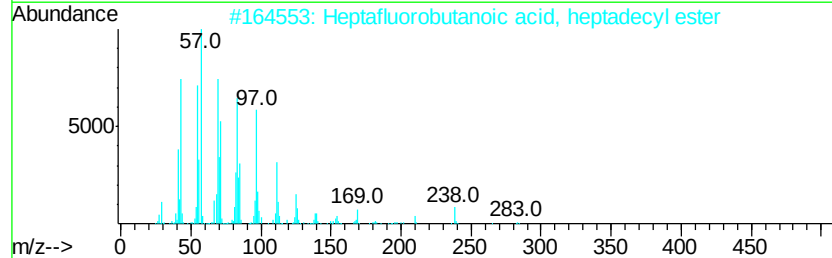
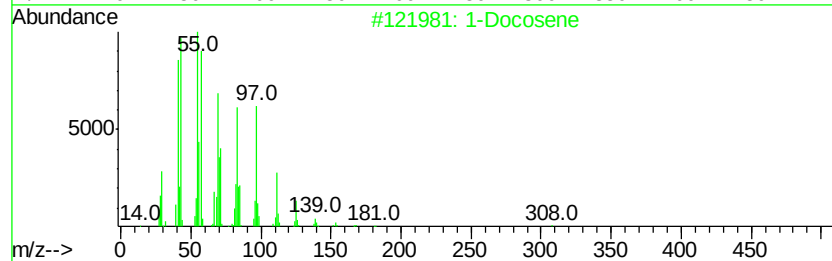
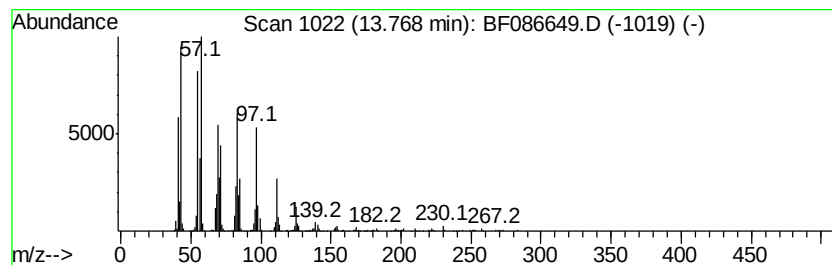
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 1-Docosene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	7.26 ng	733024	Chrysene-d12	13.91
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1-Docosene		308 C22H44	001599-67-3 95
2	Heptafluorobutanoic acid, heptad...		452 C21H35F7O2	1000282-97-3 94
3	17-Pentatriacontene		491 C35H70	006971-40-0 91
4	Pentafluoropropionic acid, hepta...		402 C20H35F5O2	1000283-04-2 91
5	1-Hexadecanesulfonyl chloride		324 C16H33ClO2S	038775-38-1 91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050316\
Data File : BF086649.D
Acq On : 3 May 2016 17:25
Operator : UM/SJ
Sample : H2685-07
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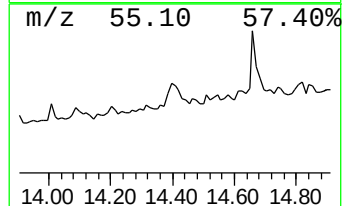
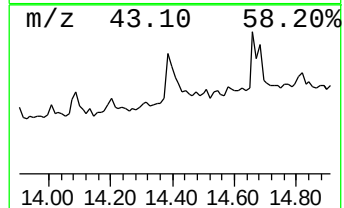
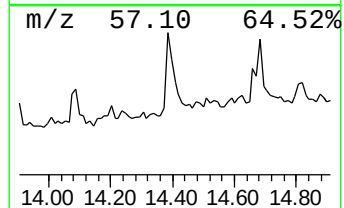
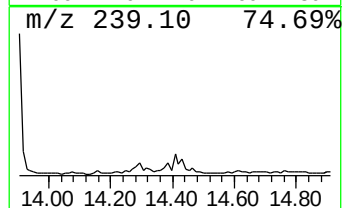
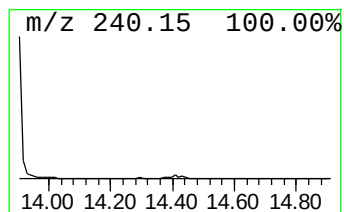
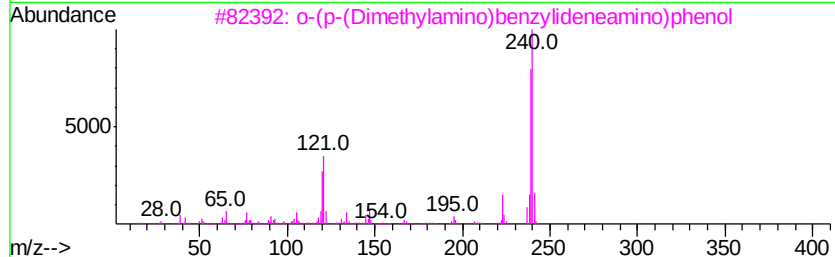
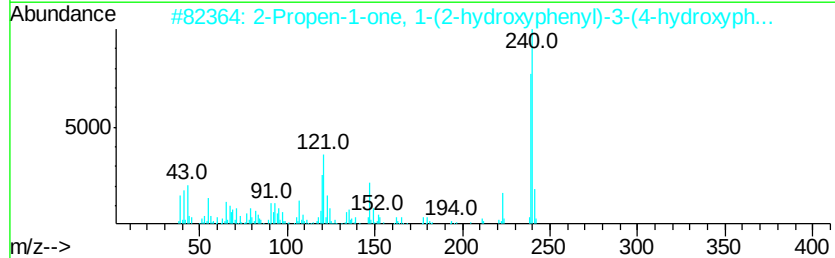
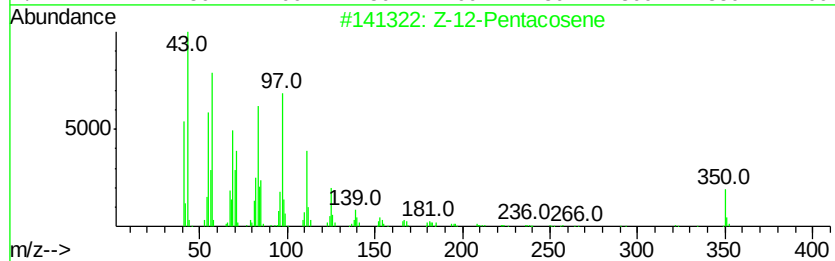
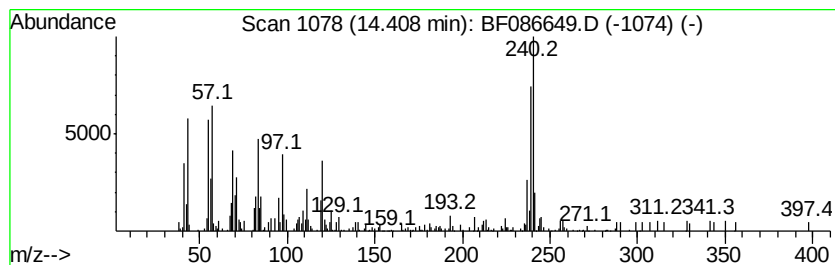
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Z-12-Pentacosene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.41	2.51 ng	253688	Chrysene-d12	13.91

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Z-12-Pentacosene	350	C25H50	1000131-09-4	62
2		2-Propen-1-one, 1-(2-hydroxyphen...	240	C15H12O3	013323-66-5	60
3		o-(p-(Dimethylamino)benzylideneamino)phenol	240	C15H16N2O	023837-35-6	47
4		5-Methyl-4-(1-naphthyl)-2-thiazo...	240	C14H12N2S	107411-05-2	43
5		4,6-Diamino-1-methyl-3-phenyl py...	240	C12H12N6	058791-67-6	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050316\
Data File : BF086649.D
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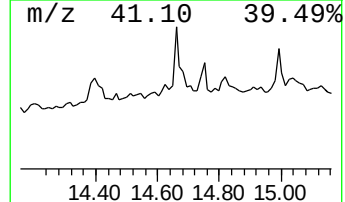
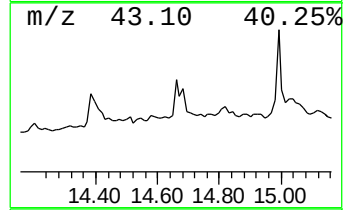
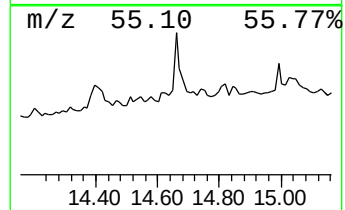
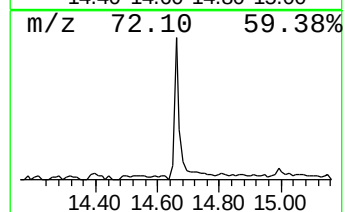
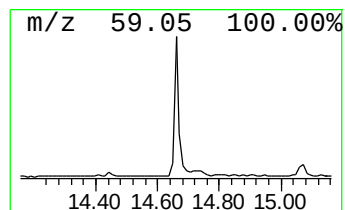
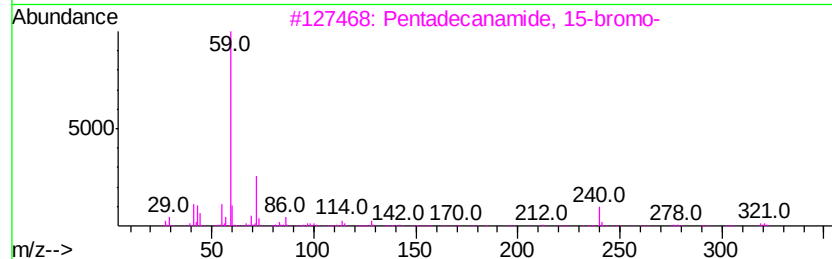
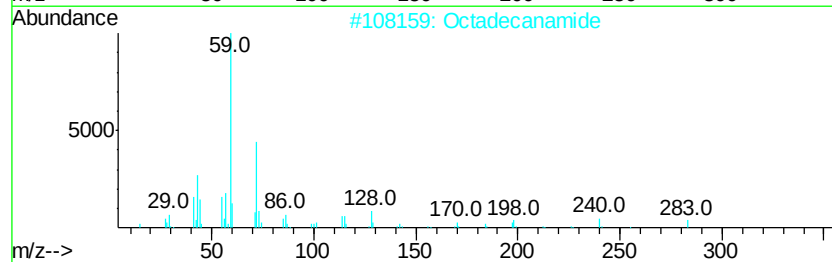
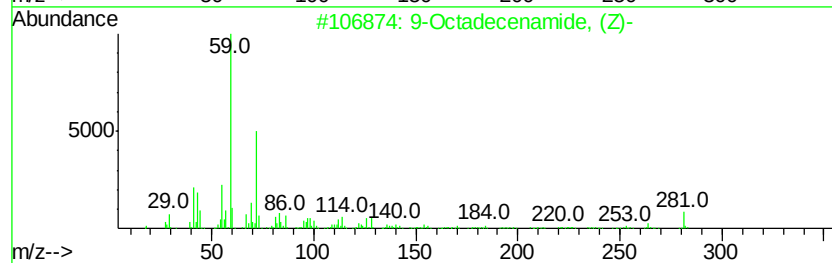
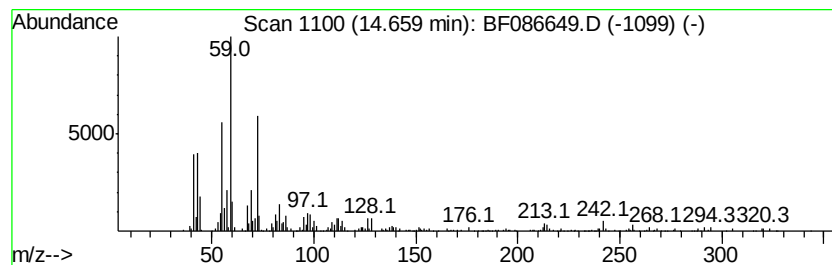
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 9-Octadecenamide, (Z)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.66	3.71 ng	213900	Perylene-d12	15.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	78
2		Octadecanamide	283	C18H37NO	000124-26-5	72
3		Pentadecanamide, 15-bromo-	319	C15H30BrNO	1000163-86-1	59
4		7-Nonenamide	155	C9H17NO	090949-53-4	50
5		2-Propanone, 1-cyclohexyl-	140	C9H16O	000103-78-6	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050316\
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Acq On : 3 May 2016 17:25
Operator : UM/SJ
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26WARD-2B-CS-4(0-10FTBGS)

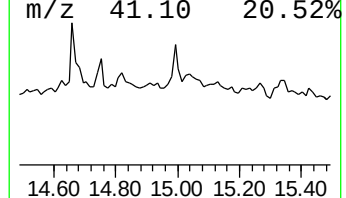
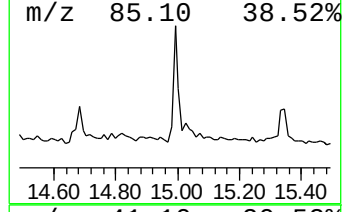
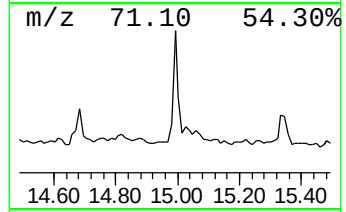
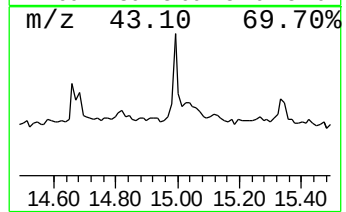
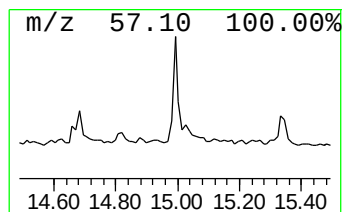
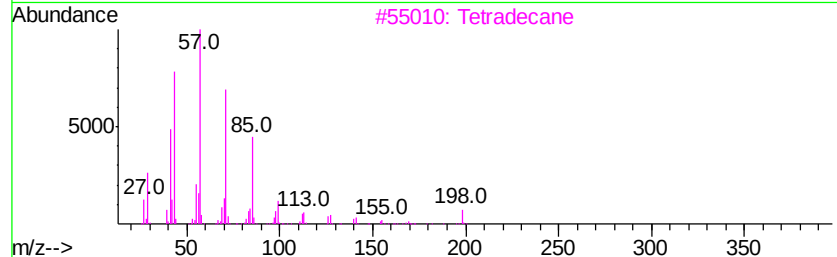
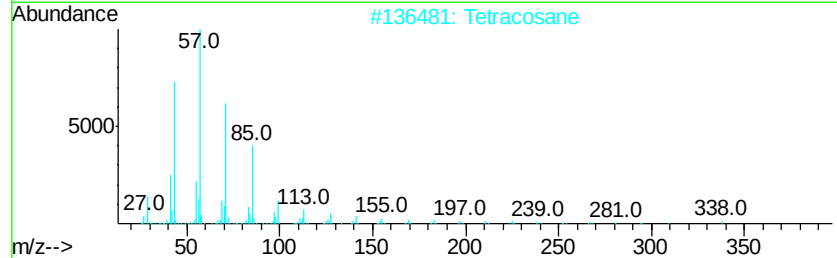
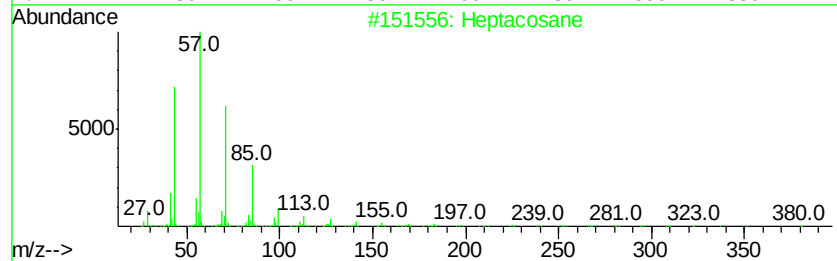
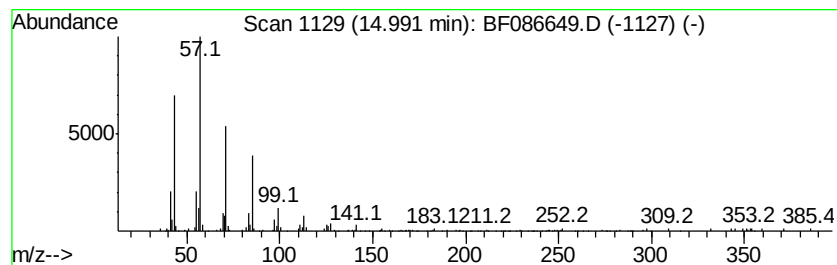
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Heptacosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.99	2.71 ng	156291	Perylene-d12	15.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptacosane	380	C27H56	000593-49-7	83
2		Tetracosane	338	C24H50	000646-31-1	83
3		Tetradecane	198	C14H30	000629-59-4	80
4		Eicosane	282	C20H42	000112-95-8	80
5		Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	80



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050316\
Data File : BF086649.D
Acq On : 3 May 2016 17:25
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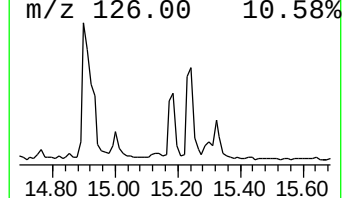
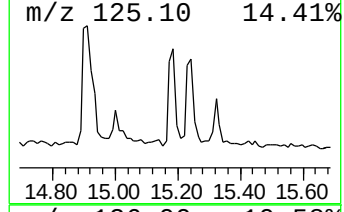
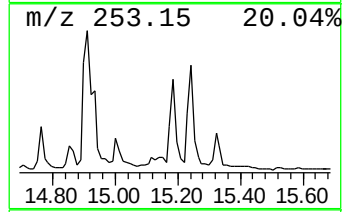
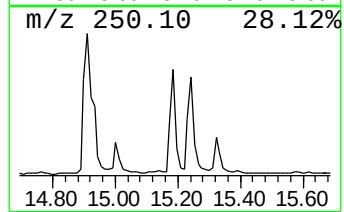
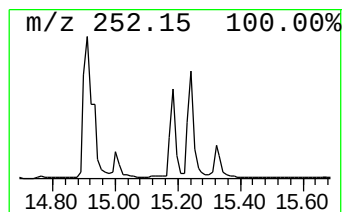
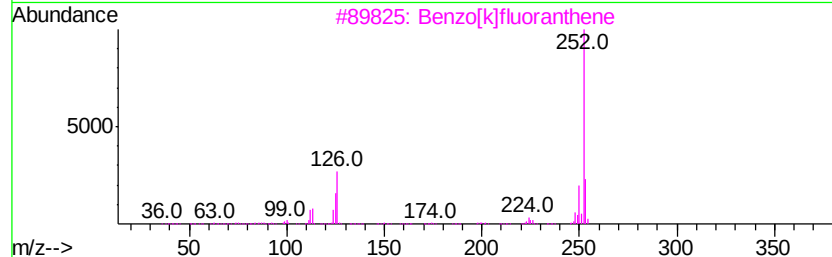
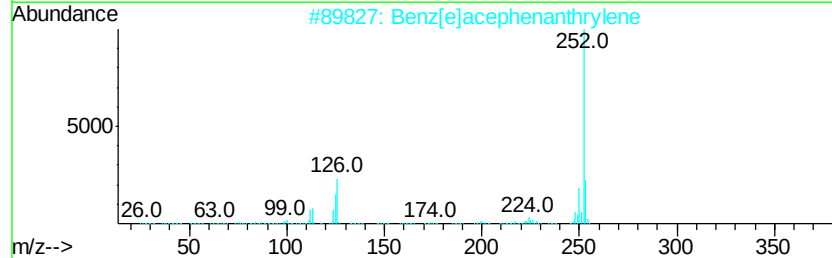
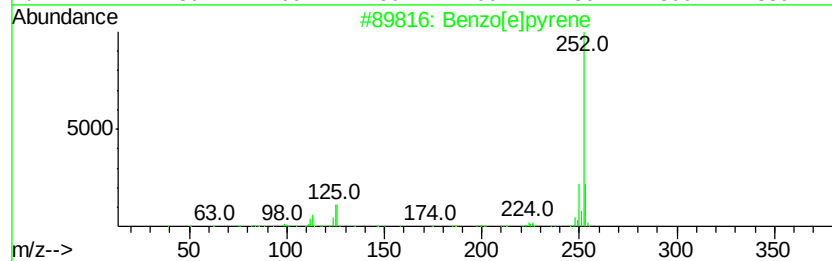
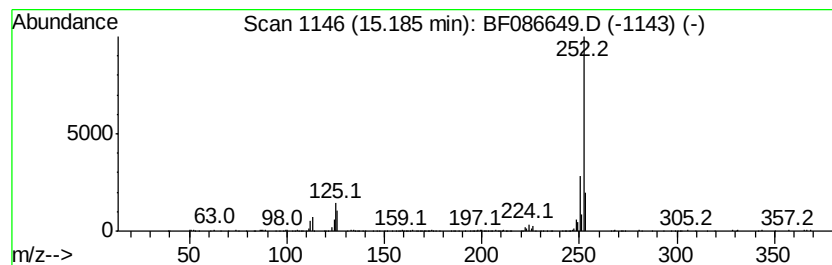
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	4.09 ng	235684	Perylene-d12	15.30

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	98
2			Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
3			Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4			Benzo[a]pyrene	252	C20H12	000050-32-8	90
5			Benzo[j]fluoranthene	252	C20H12	000205-82-3	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050316\
Data File : BF086649.D
Acq On : 3 May 2016 17:25
Operator : UM/SJ
Sample : H2685-07
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
26WARD-2B-CS-4(0-10FTBGS)

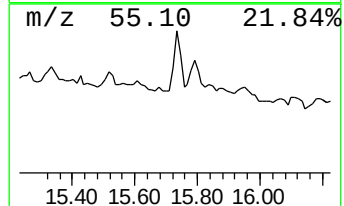
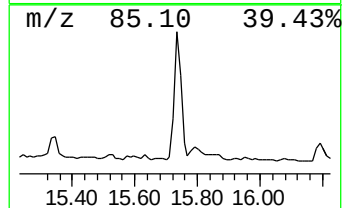
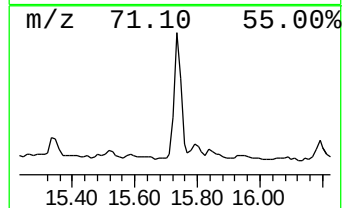
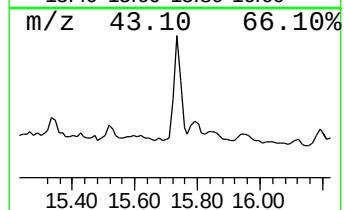
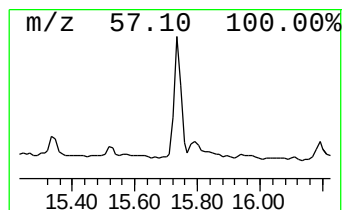
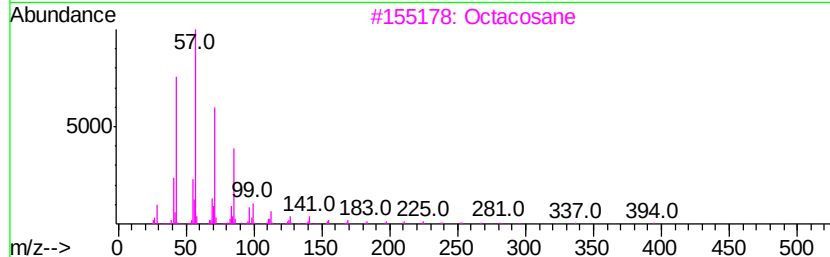
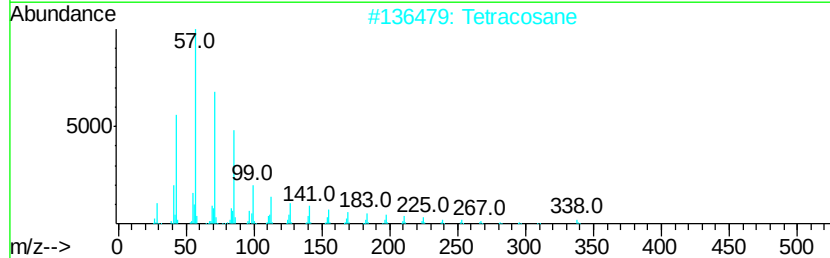
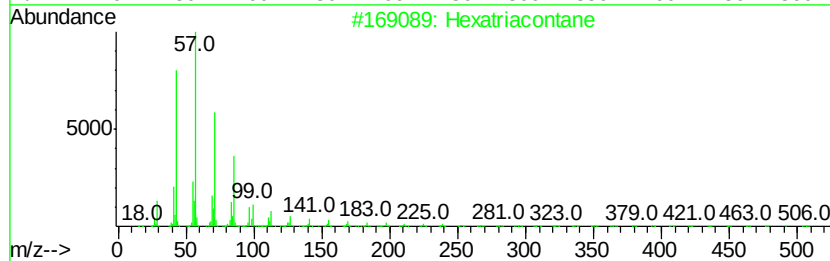
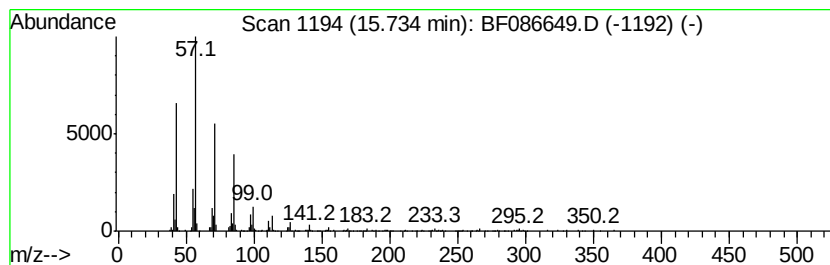
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Hexatriacontane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	5.33 ng	307197	Perylene-d12	15.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexatriacontane	507	C36H74	000630-06-8	91
2		Tetracosane	338	C24H50	000646-31-1	90
3		Octacosane	394	C28H58	000630-02-4	90
4		Heptacosane	380	C27H56	000593-49-7	90
5		Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050316\
Data File : BF086649.D
Acq On : 3 May 2016 17:25
Operator : UM/SJ
Sample : H2685-07
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
26WARD-2B-CS-4(0-10FTBGS)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042716.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...	4.92	4.0 ng		259988	1	6.75	1313360	20.0
unknown6.52	6.52	70.1 ng		4601010	1	6.75	1313360	20.0
Hexadecane	10.24	2.1 ng		177235	3	9.79	1719820	20.0
Tridecane	10.70	3.9 ng		317494	4	11.26	1640380	20.0
Eicosane	11.15	2.2 ng		177139	4	11.26	1640380	20.0
n-Hexadecanoic acid	11.81	10.1 ng		827942	4	11.26	1640380	20.0
Pentadecanoic acid	12.59	4.0 ng		399491	5	13.91	2018970	20.0
1-Docosene	13.77	7.3 ng		733024	5	13.91	2018970	20.0
Z-12-Pentacosene	14.41	2.5 ng		253688	5	13.91	2018970	20.0
9-Octadecenamide, ...	14.66	3.7 ng		213900	6	15.30	1152530	20.0
Heptacosane	14.99	2.7 ng		156291	6	15.30	1152530	20.0
Benzo[e]pyrene	15.19	4.1 ng		235684	6	15.30	1152530	20.0
Hexatriacontane	15.73	5.3 ng		307197	6	15.30	1152530	20.0