

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051316\
 Data File : BF086996.D
 Acq On : 14 May 2016 3:40
 Operator : UM/SJ
 Sample : H2969-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AFP-59-GW

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-BF050916.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	1.736	12	13	55	rVB	4320755	9315364	100.00%	19.666%
2	5.199	313	316	330	rBV	1363633	2021340	21.70%	4.267%
3	6.273	408	410	417	rBV	1151949	1292330	13.87%	2.728%
4	6.387	417	420	422	rBV	2552903	3625592	38.92%	7.654%
5	6.605	437	439	442	rBV	812613	973256	10.45%	2.055%
6	6.765	450	453	456	rBV	3297200	3146342	33.78%	6.642%
7	7.187	487	490	492	rBV	3132857	3241899	34.80%	6.844%
8	7.896	550	552	555	rBV	1333601	1291747	13.87%	2.727%
9	8.296	582	587	589	rBV4	45516	127327	1.37%	0.269%
10	8.982	644	647	649	rBV	5137402	5090157	54.64%	10.746%
11	9.085	654	656	661	rVB5	48339	111024	1.19%	0.234%
12	9.302	670	675	676	rBV4	62271	155323	1.67%	0.328%
13	9.382	679	682	684	rVB	272770	267145	2.87%	0.564%
14	9.473	688	690	692	rBV2	56187	116296	1.25%	0.246%
15	9.519	692	694	697	rBV3	76657	179945	1.93%	0.380%
16	9.645	703	705	707	rBV	1621887	1498680	16.09%	3.164%
17	9.759	711	715	718	rBV5	73898	214354	2.30%	0.453%
18	9.805	718	719	722	rBV3	51147	111215	1.19%	0.235%
19	9.988	733	735	737	rBV2	124003	172987	1.86%	0.365%
20	10.091	742	744	748	rVB2	155445	251924	2.70%	0.532%
21	10.376	768	769	771	rBV	125530	118470	1.27%	0.250%
22	10.445	771	775	777	rVV3	2328274	3727744	40.02%	7.870%
23	10.479	777	778	781	rVB	223783	229809	2.47%	0.485%
24	10.559	783	785	786	rBV	151104	159301	1.71%	0.336%
25	10.879	811	813	815	rBV	877817	849157	9.12%	1.793%
26	10.948	817	819	823	rBV2	173064	216099	2.32%	0.456%
27	11.119	832	834	837	rBV	980818	1335609	14.34%	2.820%
28	11.199	837	841	843	rVB3	54732	133476	1.43%	0.282%
29	11.588	873	875	879	rVB	79611	134128	1.44%	0.283%
30	11.679	881	883	890	rVB2	295505	406663	4.37%	0.859%
31	11.931	903	905	911	rVB	361768	406975	4.37%	0.859%
32	12.377	941	944	949	rBV4	45217	139732	1.50%	0.295%
33	12.457	949	951	957	rVV	297225	393634	4.23%	0.831%
34	12.708	970	973	976	rBV	3369242	3844837	41.27%	8.117%

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Stop Thrs : 0 Peak Location: TOP

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35	13.622	1050	1053	1056	rBV	65188	100984	1.08%	0.213%
36	13.748	1062	1064	1067	rBV	1176066	1127099	12.10%	2.379%
37	15.108	1180	1183	1186	rBV	721593	840529	9.02%	1.774%

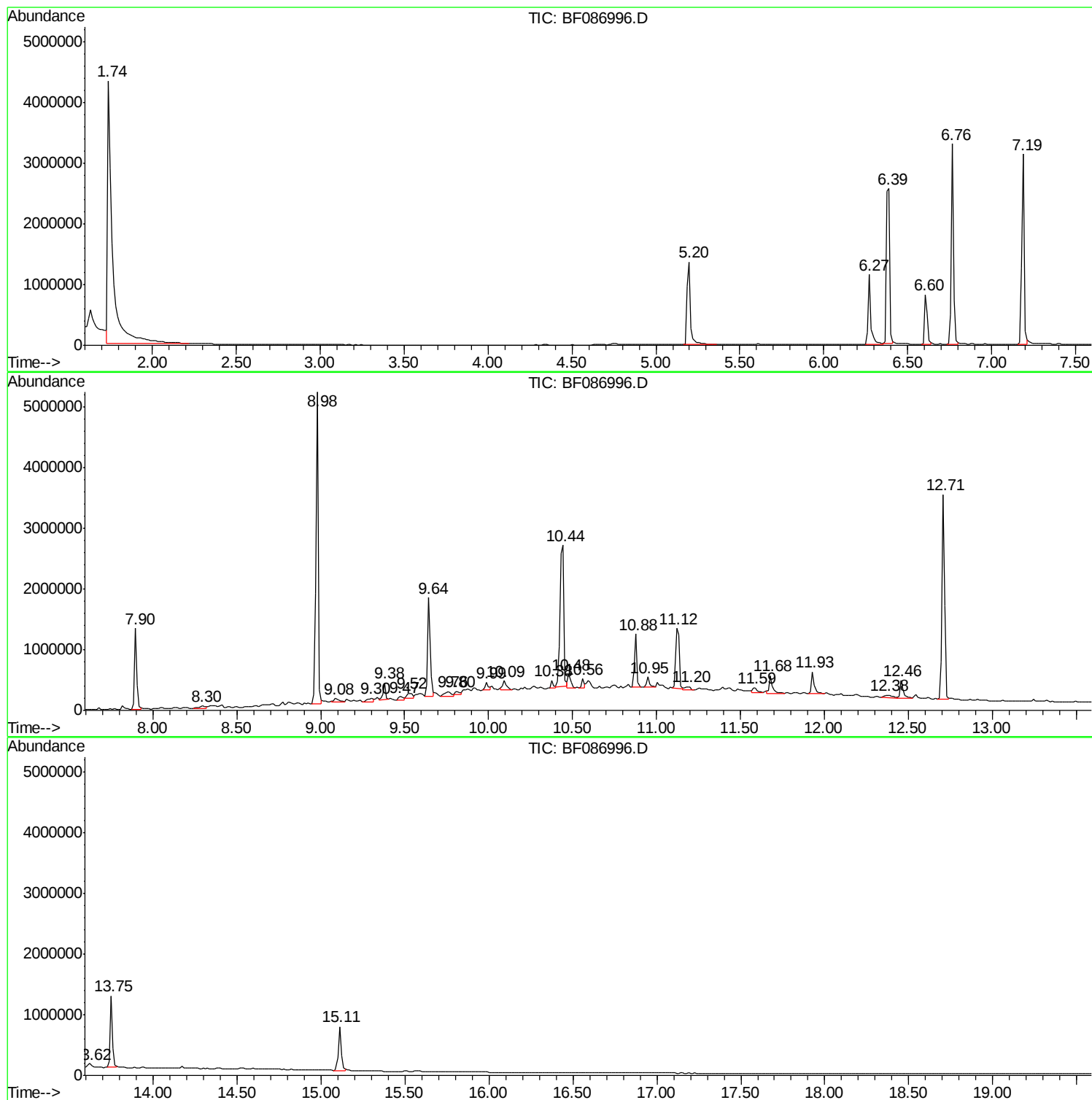
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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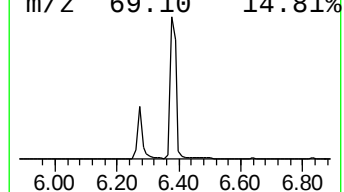
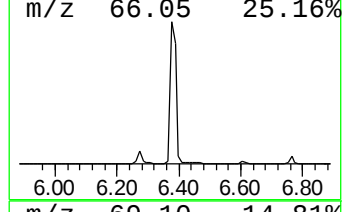
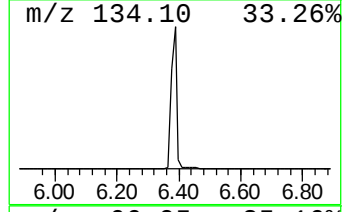
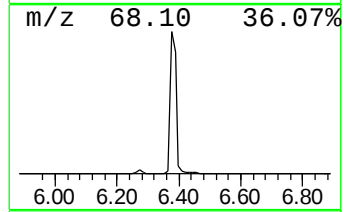
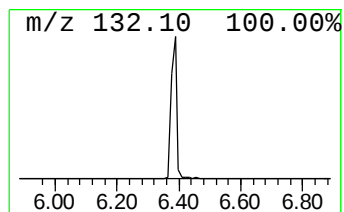
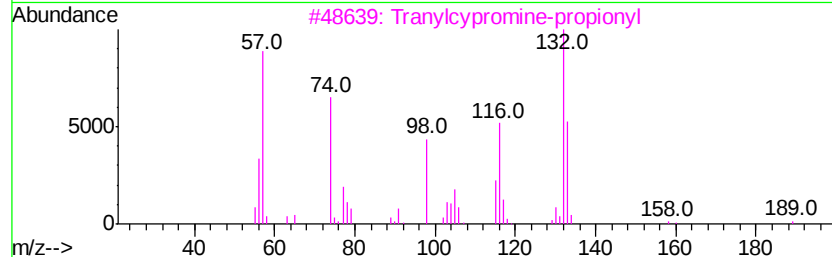
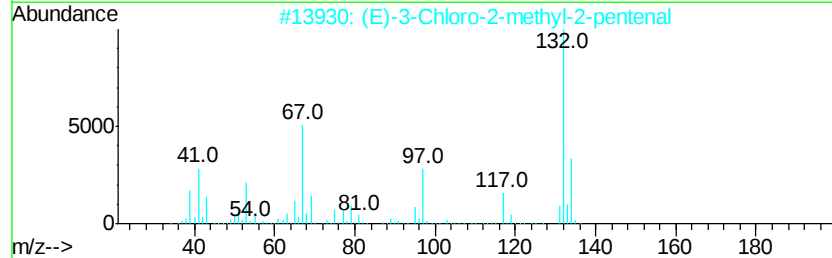
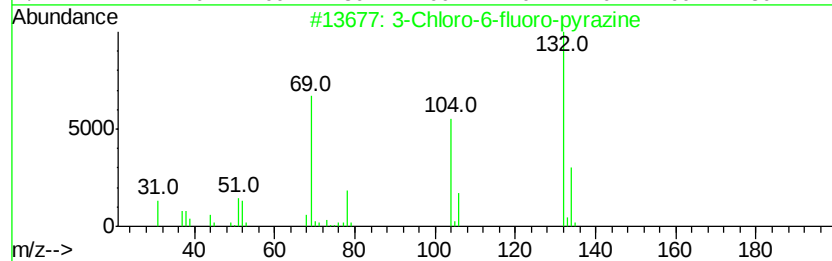
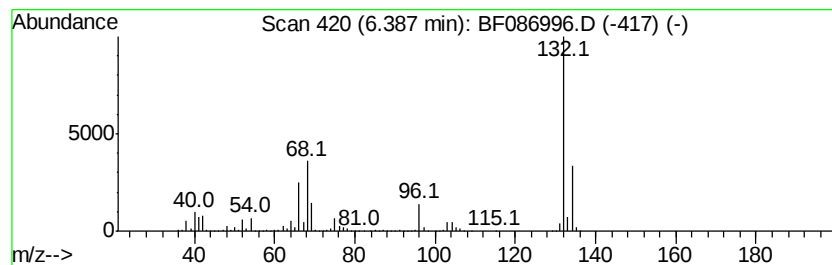
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.39 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.39	74.50 ng	3625590	1,4-Dichlorobenzene-d4	6.60

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	16
4		Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
5		Xenon	132	Xe	007440-63-3	9



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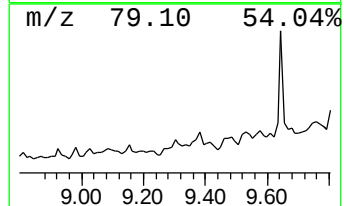
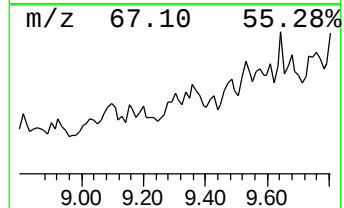
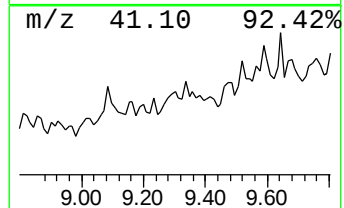
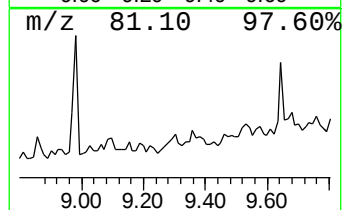
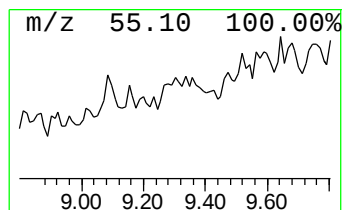
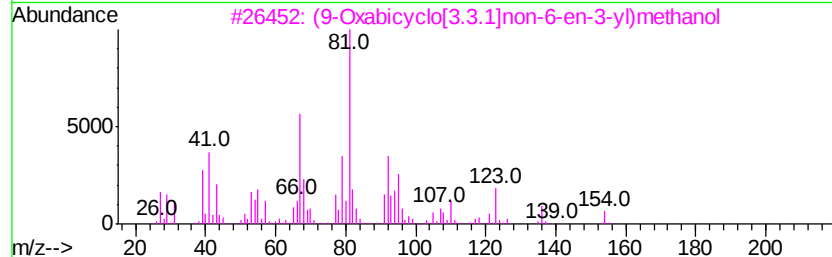
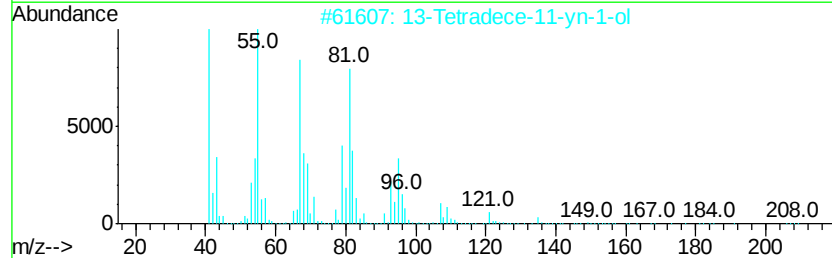
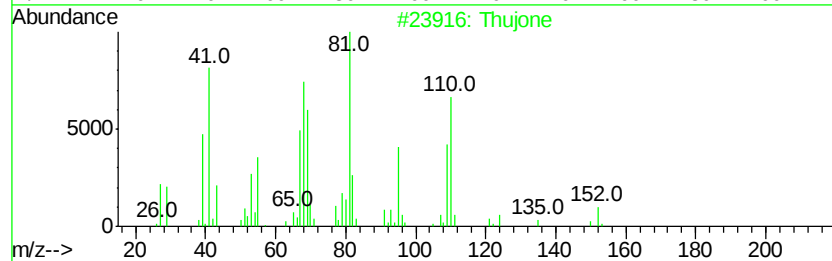
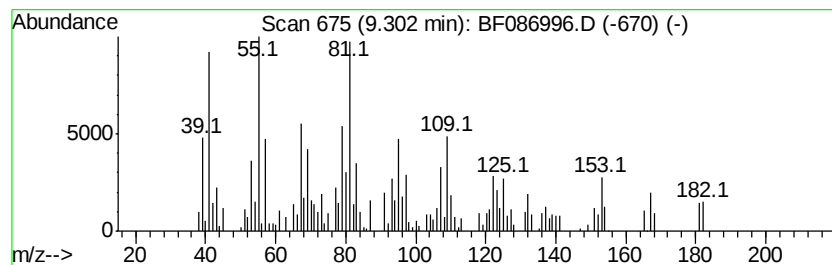
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 4 unknown9.30 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.30	2.07 ng	155323	Acenaphthene-d10	9.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Thujone	152	C10H16O	000546-80-5	43
2		13-Tetradecene-11-yn-1-ol	208	C14H24O	1000131-00-4	35
3		(9-Oxabicyclo[3.3.1]non-6-en-3-yl)methanol	154	C9H14O2	1000191-02-8	30
4		Bicyclo[6.1.0]nonane, 9-bromo-9-yl	216	C10H17Br	059474-03-2	27
5		1,4-Hexadiene, 4-methyl-	96	C7H12	001116-90-1	25



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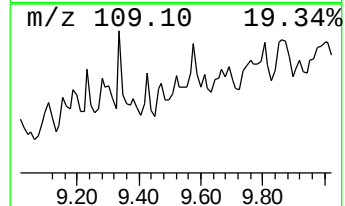
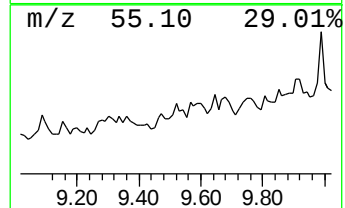
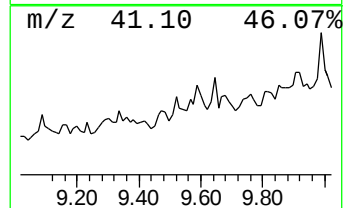
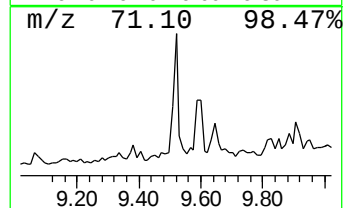
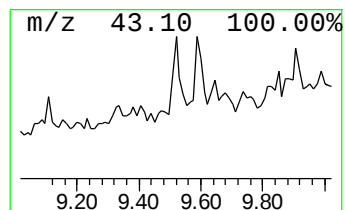
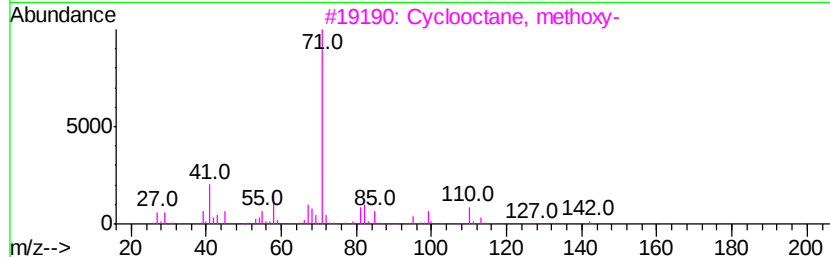
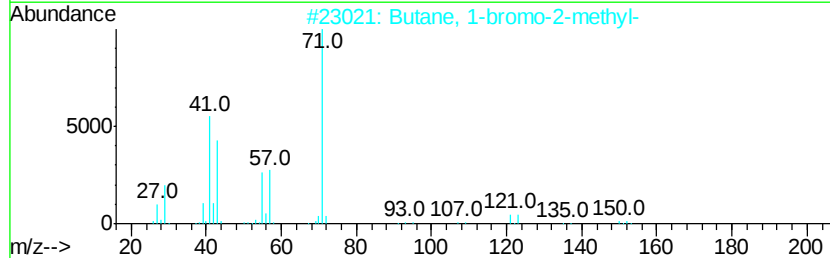
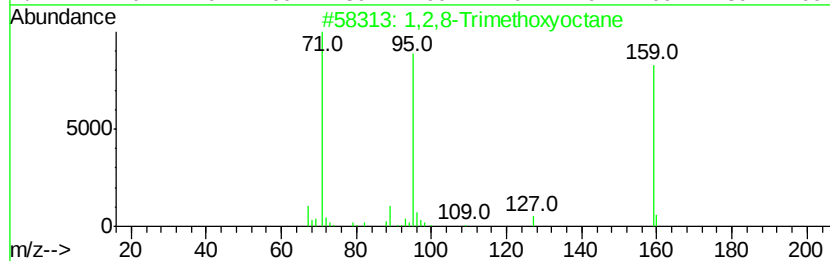
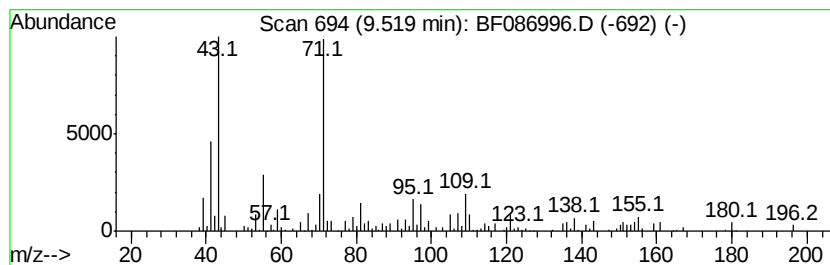
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 5 unknown9.52 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	2.40 ng	179945	Acenaphthene-d10	9.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,2,8-Trimethoxyoctane	204	C11H24O3	062635-58-9	47
2		Butane, 1-bromo-2-methyl-	150	C5H11Br	010422-35-2	46
3		Cyclooctane, methoxy-	142	C9H18O	013213-32-6	43
4		2H-Pyran-2-one, tetrahydro-4-hyd...	130	C6H10O3	000503-48-0	43
5		2-Dimethyl(chloromethyl)silyloxy...	208	C8H17ClO2Si	1000278-60-1	40



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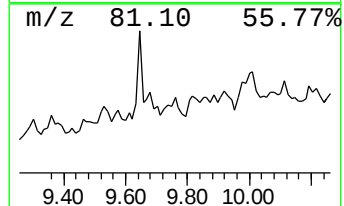
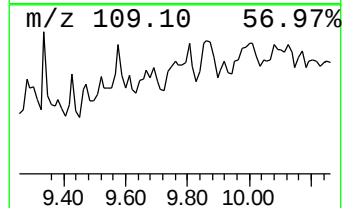
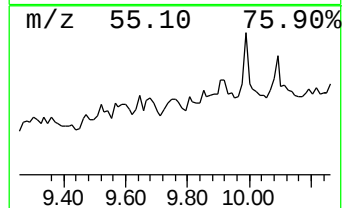
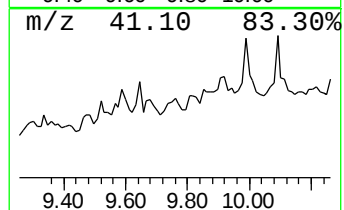
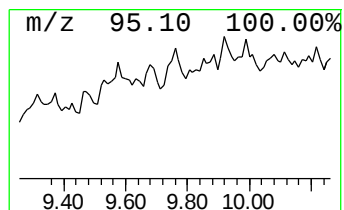
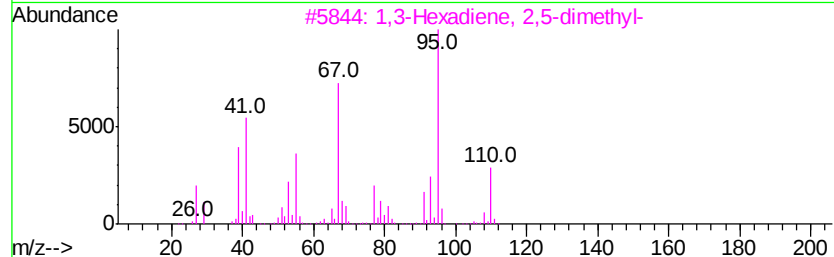
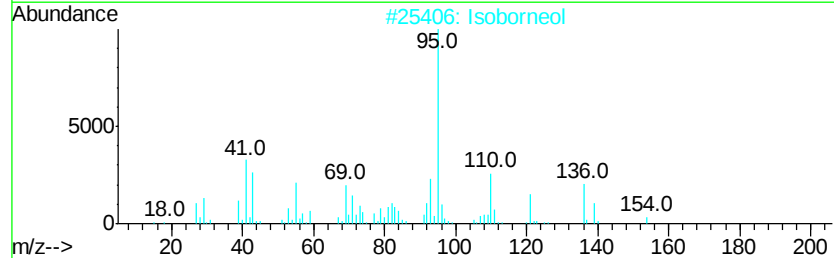
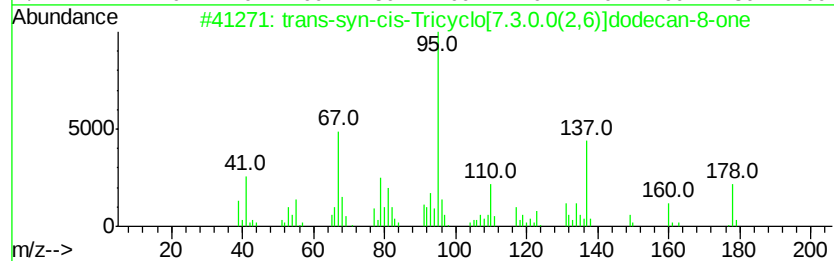
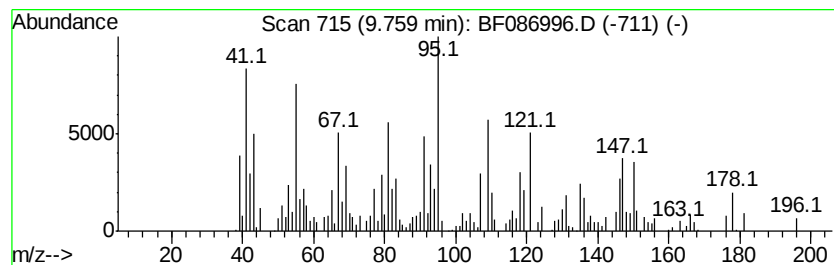
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 6 unknown9.76 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	2.86 ng	214354	Acenaphthene-d10	9.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	trans-syn-cis-Tricyclo[7.3.0.0(2...	178	C12H18O	073306-77-1	42
2		Isoborneol	154	C10H18O	000124-76-5	25
3		1,3-Hexadiene, 2,5-dimethyl-	110	C8H14	029253-64-3	25
4		2,4-Hexadiene, 2,5-dimethyl-	110	C8H14	000764-13-6	25
5		Cyclohexanol, 2-methylene-3-(1-m...	154	C10H18O	054244-87-0	25



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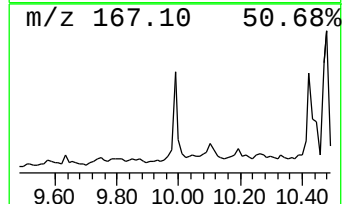
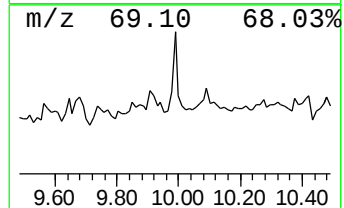
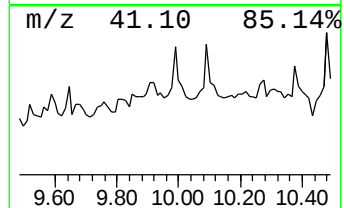
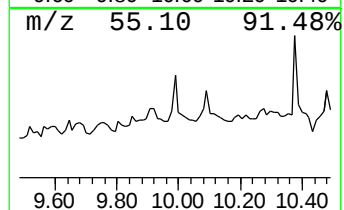
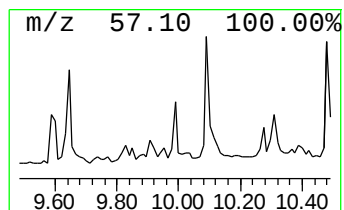
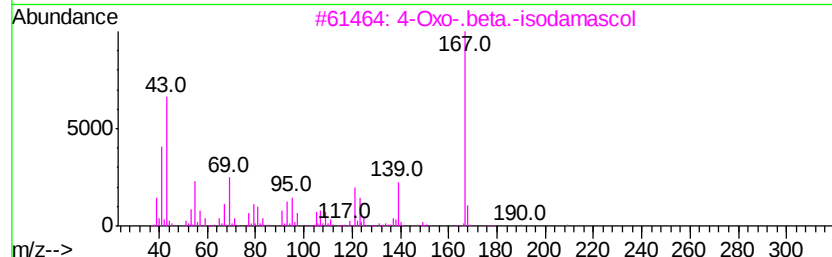
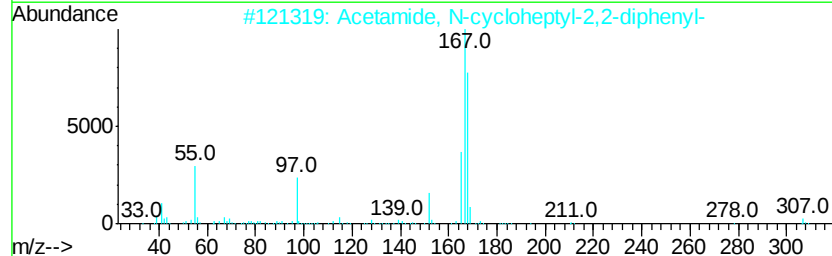
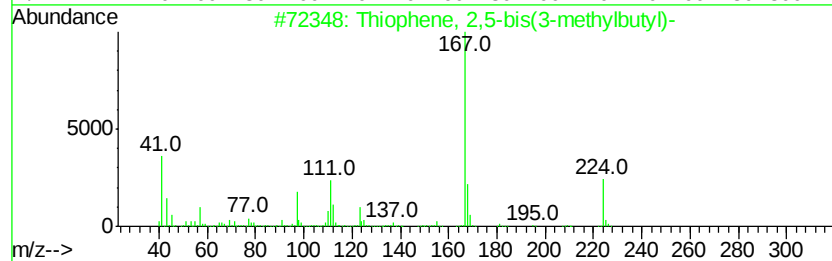
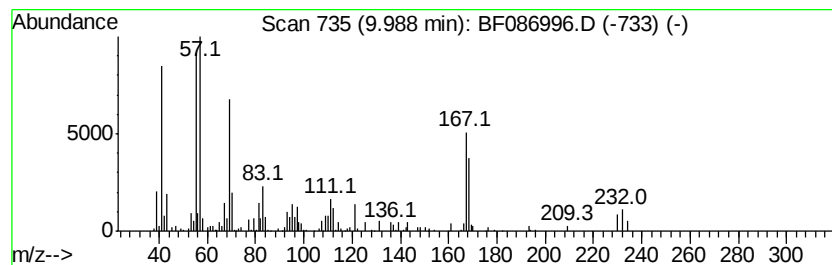
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 7 unknown9.99 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.99	2.31 ng	172987	Acenaphthene-d10	9.64

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Thiophene, 2,5-bis(3-methylbutyl)-	224	C14H24S	055012-73-2	47
2		Acetamide, N-cycloheptyl-2,2-diphenyl-	307	C21H25NO	351062-01-6	37
3		4-Oxo-.beta.-isodamascol	208	C13H20O2	1000108-91-1	32
4		Thiazolo[3,2-a]pyridinium,3,8-di...	167	C7H5N02S	035143-55-6	25
5		Thioguanine	167	C5H5N5S	000154-42-7	22



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051316\
Data File : BF086996.D
Acq On : 14 May 2016 3:40
Operator : UM/SJ
Sample : H2969-01
Misc :
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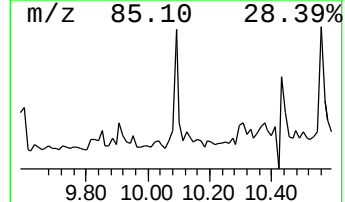
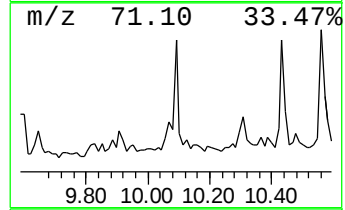
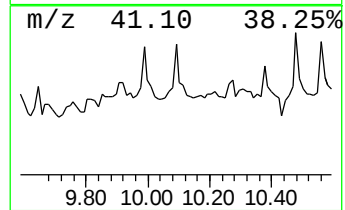
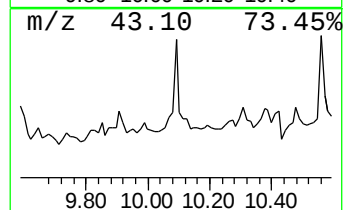
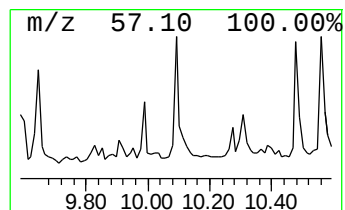
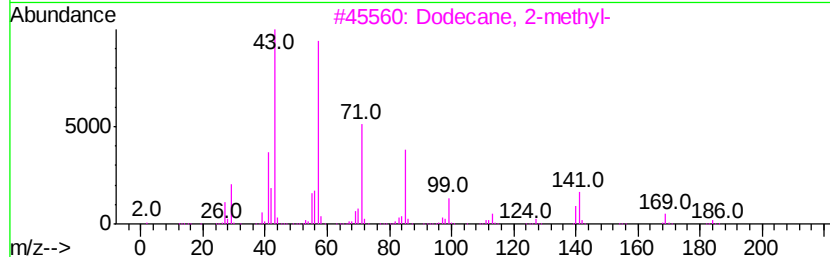
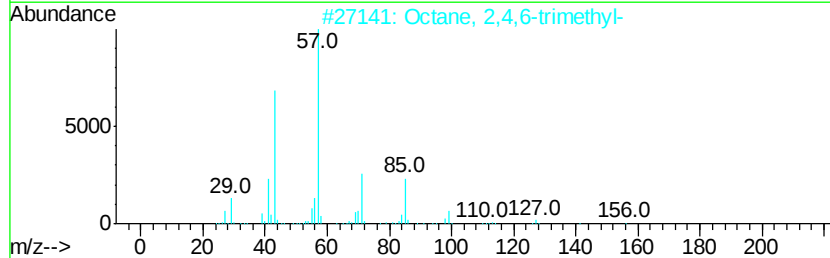
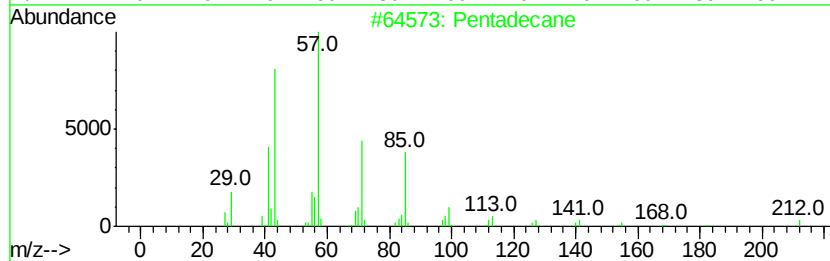
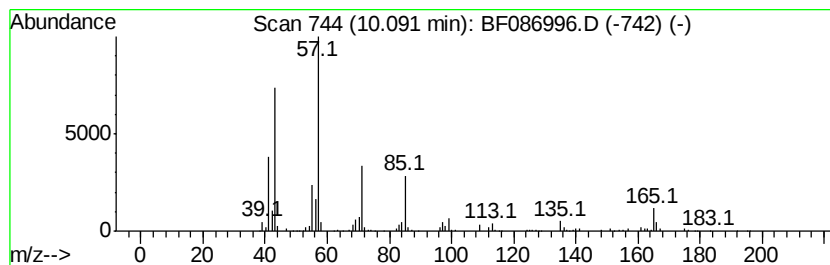
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Pentadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.09	3.36 ng	251924	Acenaphthene-d10	9.64
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Pentadecane	212 C15H32	000629-62-9	59
2	Octane, 2,4,6-trimethyl-	156 C11H24	062016-37-9	58
3	Dodecane, 2-methyl-	184 C13H28	001560-97-0	50
4	1-Iodoundecane	282 C11H23I	004282-44-4	50
5	Tridecane, 2-methyl-	198 C14H30	001560-96-9	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051316\
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ClientSampleId :
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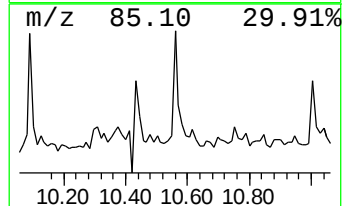
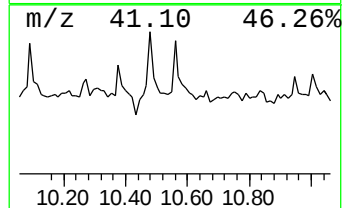
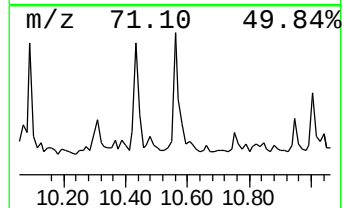
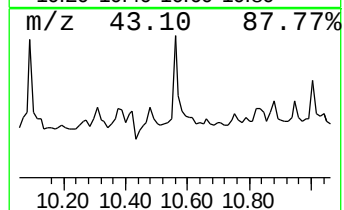
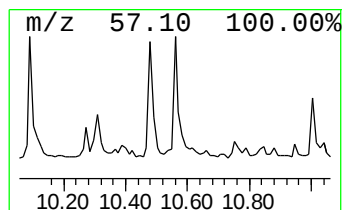
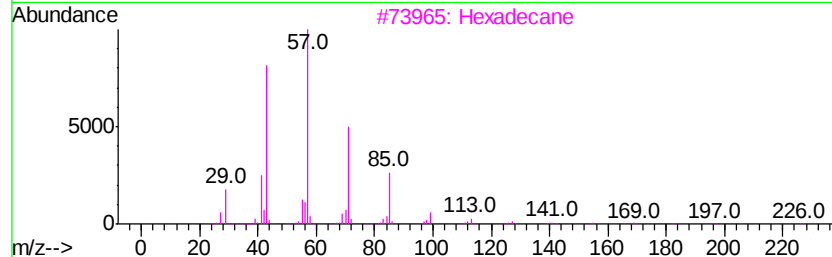
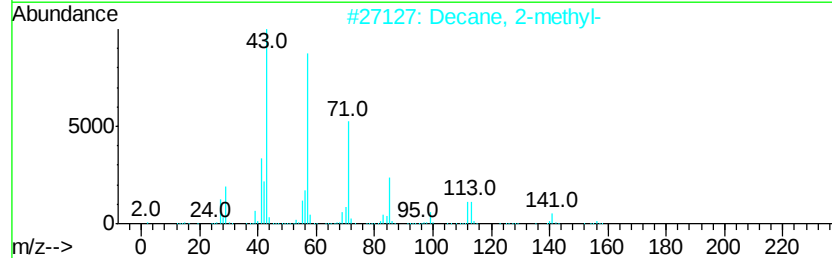
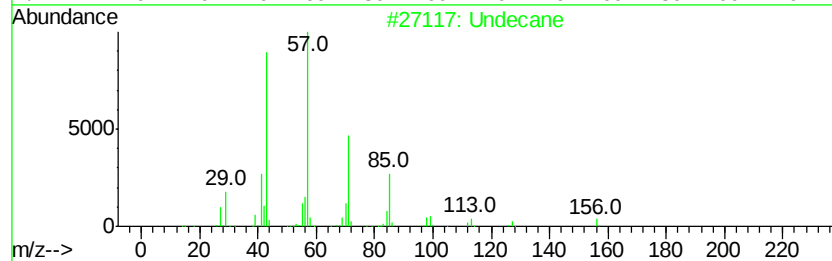
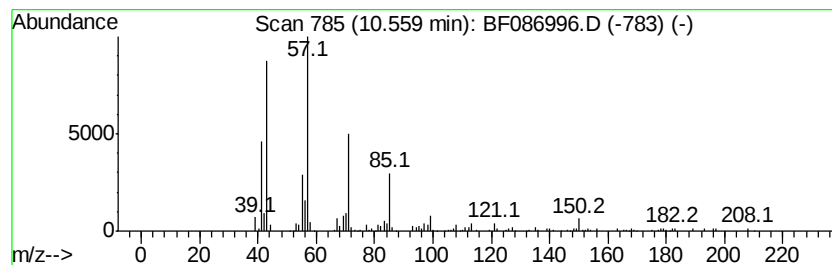
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Undecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	2.39 ng	159301	Phenanthrene-d10	11.13

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane		156	C11H24	001120-21-4	83
2	Decane, 2-methyl-		156	C11H24	006975-98-0	74
3	Hexadecane		226	C16H34	000544-76-3	74
4	Tridecane, 6-methyl-		198	C14H30	013287-21-3	72
5	Dodecane		170	C12H26	000112-40-3	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051316\
Data File : BF086996.D
Acq On : 14 May 2016 3:40
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Sample : H2969-01
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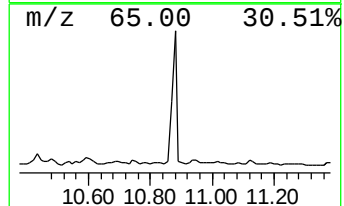
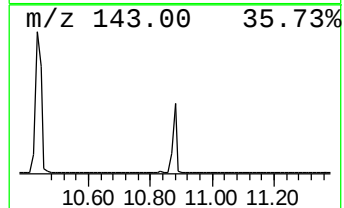
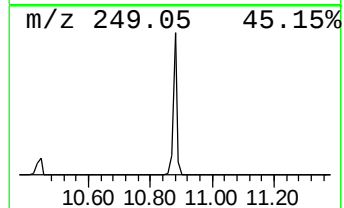
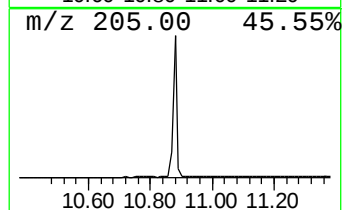
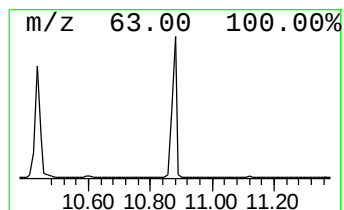
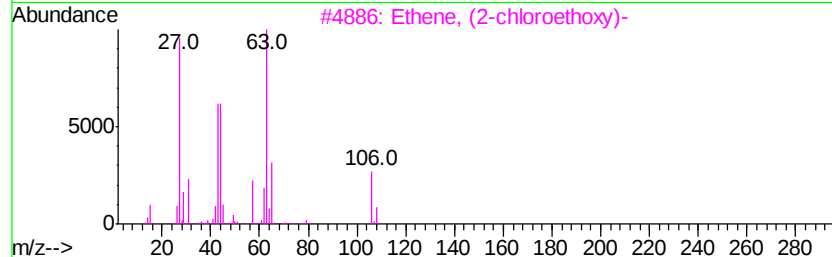
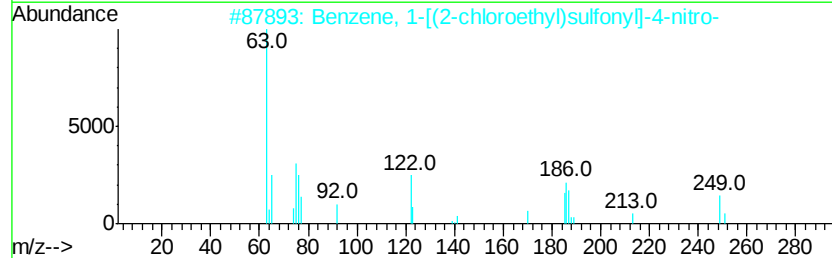
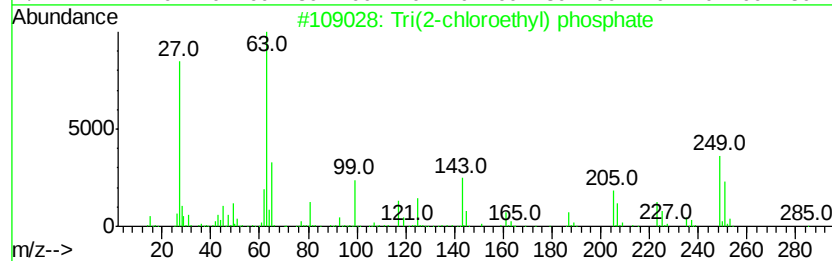
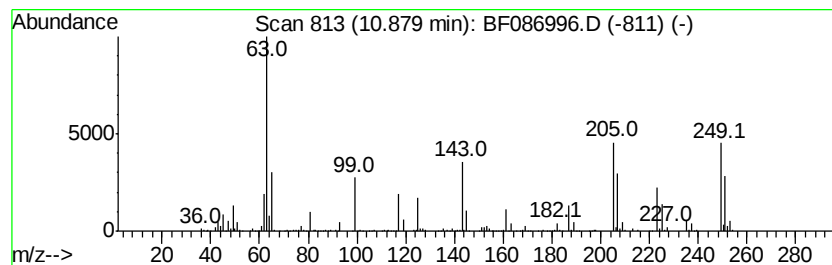
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Tri(2-chloroethyl) phosphate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.88	12.72 ng	849157	Phenanthrene-d10	11.13	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tri(2-chloroethyl) phosphate	284	C6H12Cl3O4P	000115-96-8	90
2	Benzene, 1-[(2-chloroethyl)sulfo...	249	C8H8ClN04S	006461-63-8	53
3	Ethene, (2-chloroethoxv)-	106	C4H7ClO	000110-75-8	50
4	1-Chloroethyl sulfone	190	C4H8Cl2O2S	010038-07-0	50
5	Oxalyl chloride	126	C2Cl2O2	000079-37-8	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051316\
Data File : BF086996.D
Acq On : 14 May 2016 3:40
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Sample : H2969-01
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Instrument :
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ClientSampleId :
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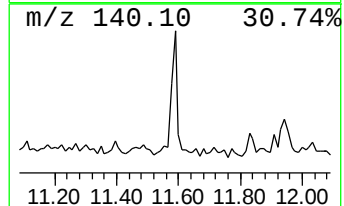
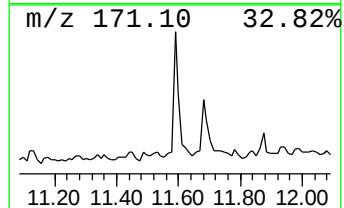
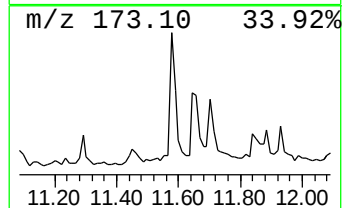
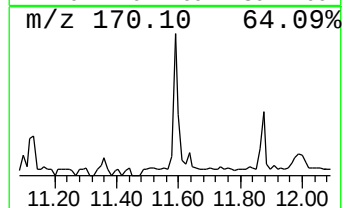
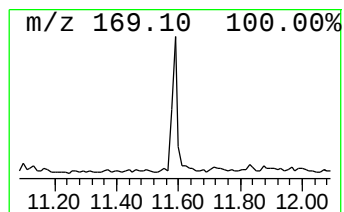
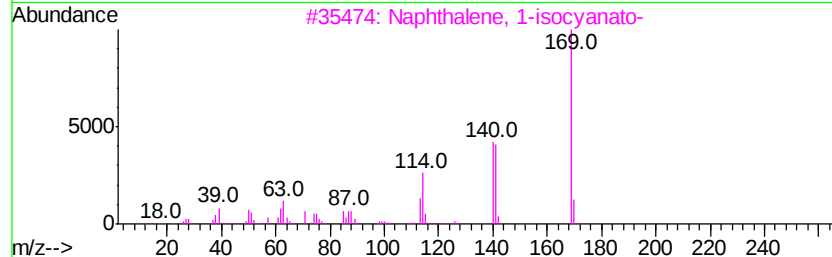
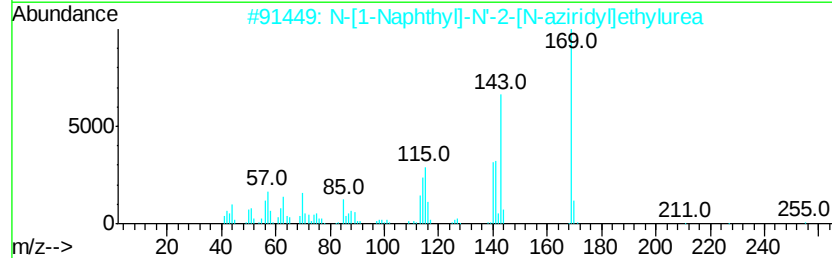
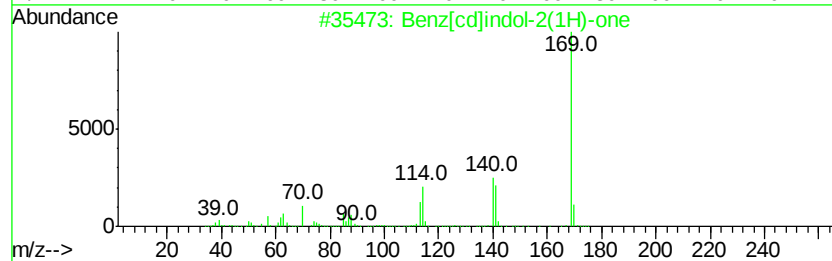
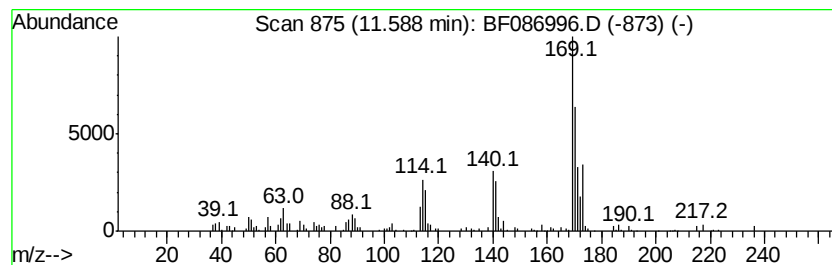
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Benz[cd]indol-2(1H)-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	2.01 ng	134128	Phenanthrene-d10	11.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benz[cd]indol-2(1H)-one	169	C11H7NO	000130-00-7	60
2		N-[1-Naphthyl]-N'-2-[N-aziridyl]...	255	C15H17N3O	013342-89-7	49
3		Naphthalene, 1-isocyanato-	169	C11H7NO	000086-84-0	49
4		[1,1'-Biphenyl]-4-amine	169	C12H11N	000092-67-1	43
5		o-Hydroxybiphenyl	170	C12H10O	000090-43-7	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051316\
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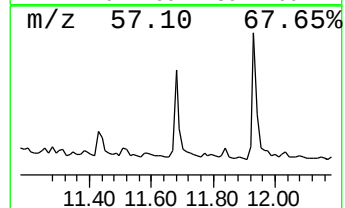
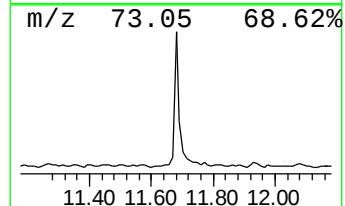
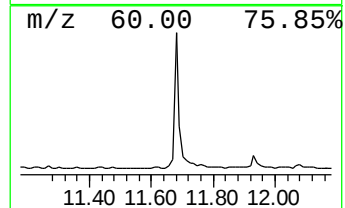
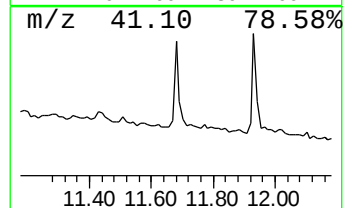
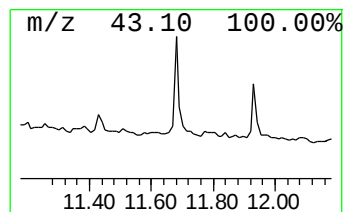
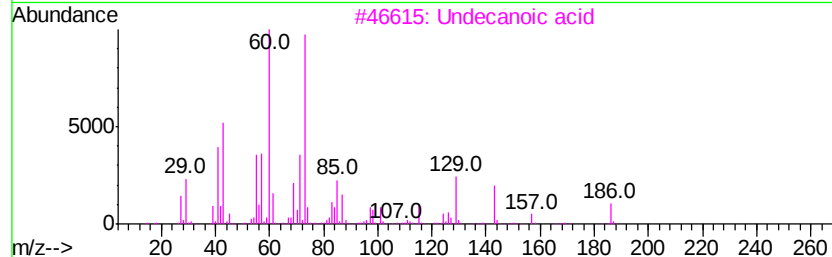
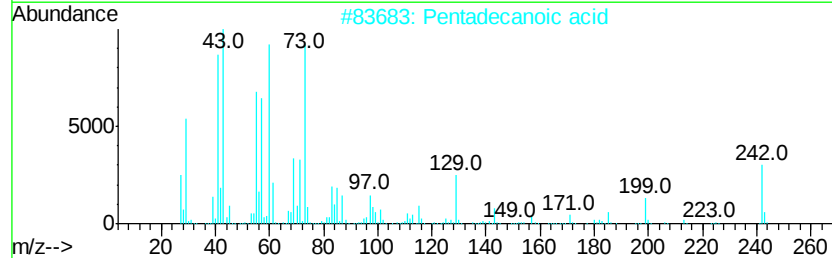
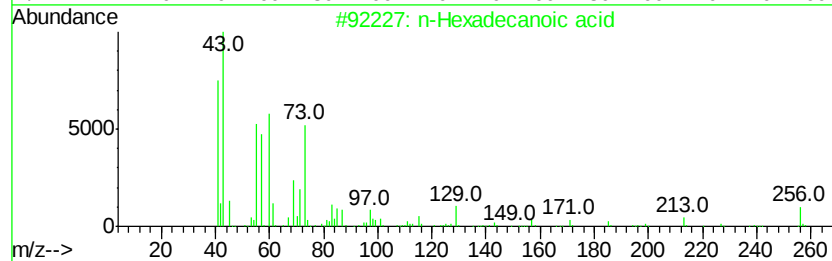
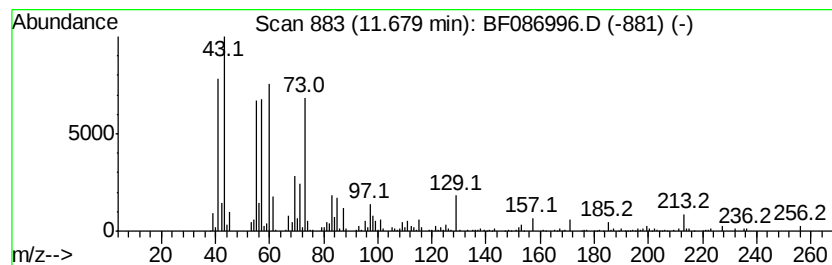
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.68	6.09 ng	406663	Phenanthrene-d10	11.13	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3	Undecanoic acid	186	C11H22O2	000112-37-8	87
4	Tridecanoic acid	214	C13H26O2	000638-53-9	83
5	Heptanoic acid	130	C7H14O2	000111-14-8	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051316\
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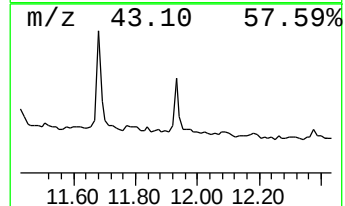
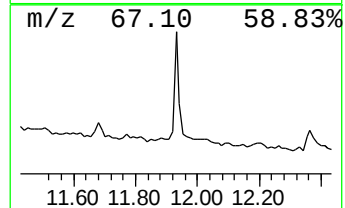
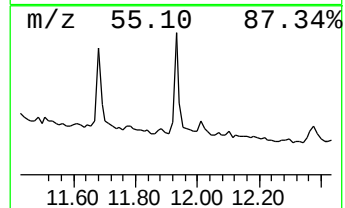
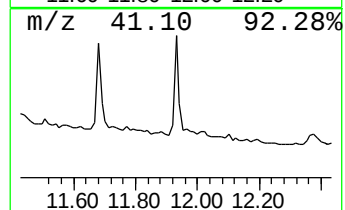
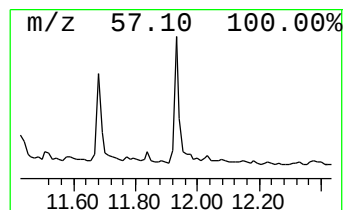
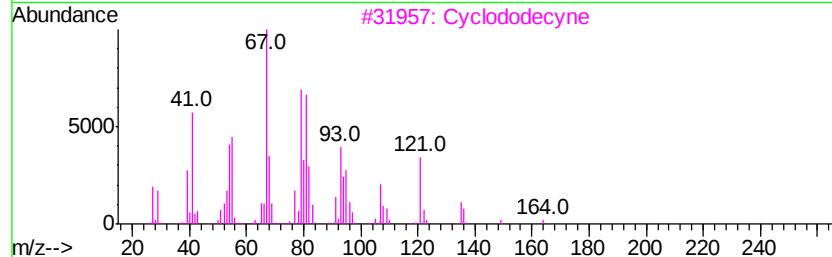
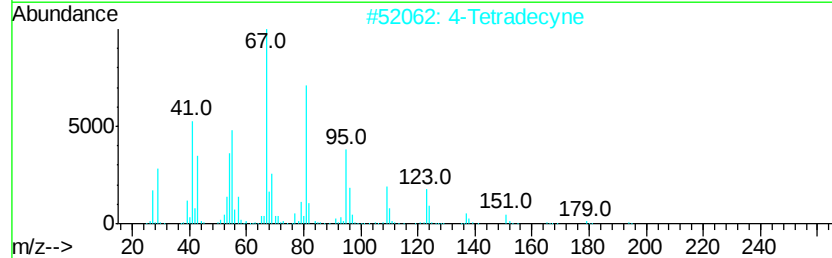
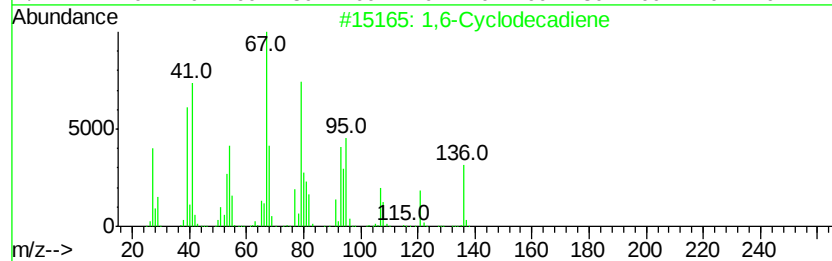
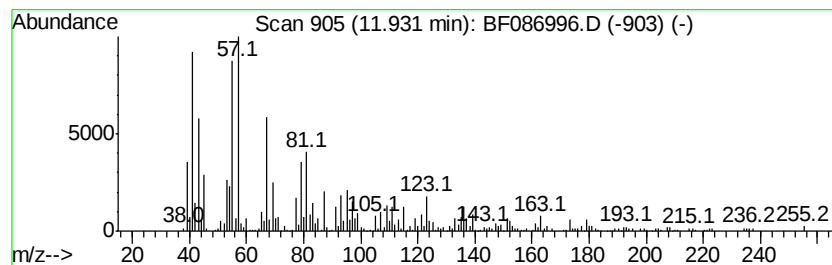
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 1,6-Cyclodecadiene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	6.09 ng	406975	Phenanthrene-d10	11.13

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,6-Cyclodecadiene	136	C10H16	007049-13-0	60
2			4-Tetradecyne	194	C14H26	060212-33-1	49
3			Cyclododecyne	164	C12H20	001129-90-4	45
4			3,4-Octadiene, 7-methyl-	124	C9H16	037050-05-8	45
5			5-Undecene, 7-ethenyl-	180	C13H24	055976-07-3	38



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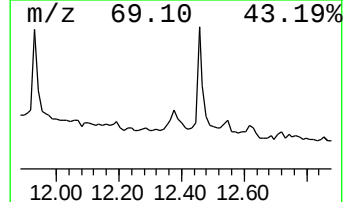
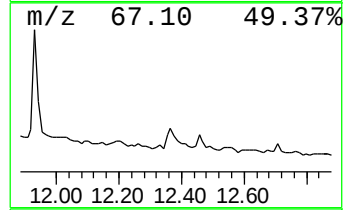
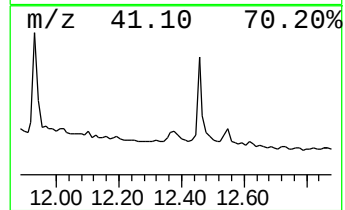
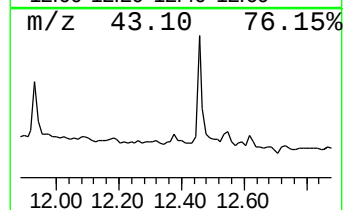
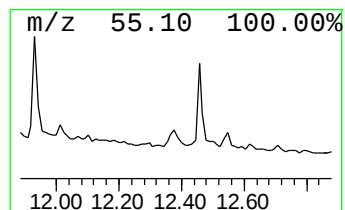
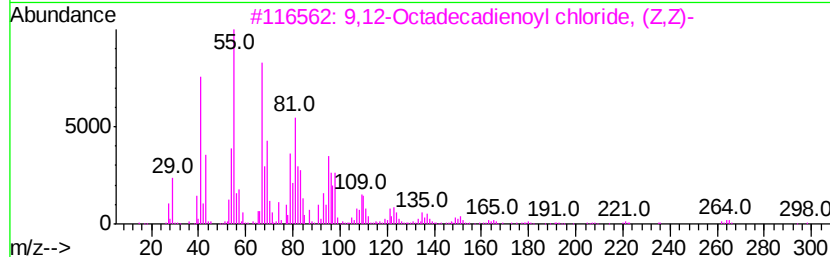
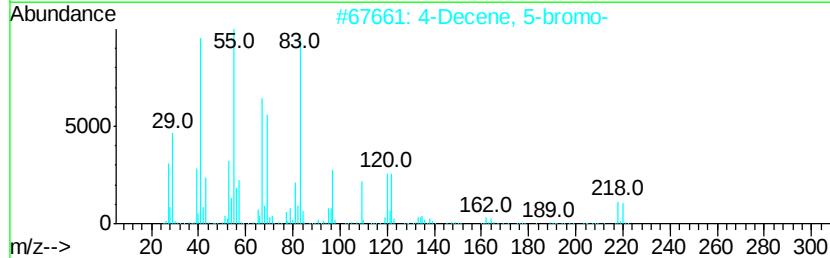
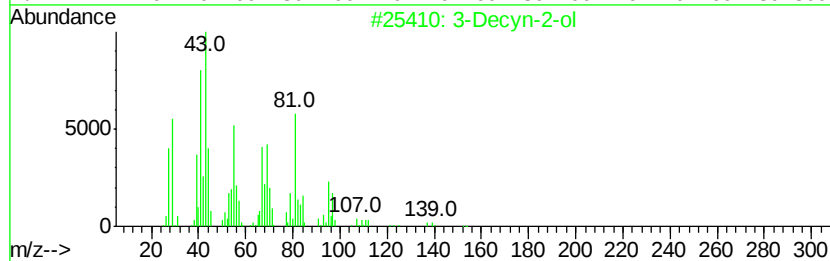
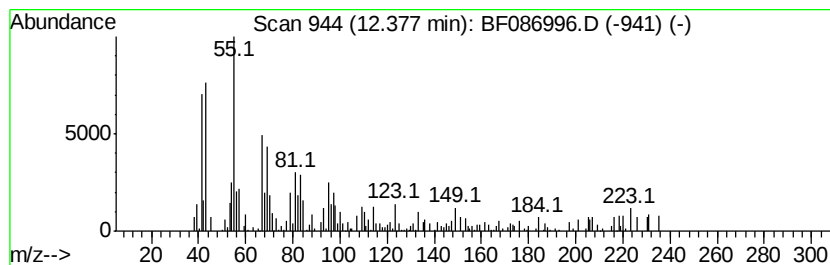
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 unknown12.38 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	2.09 ng	139732	Phenanthrene-d10	11.13

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Decyn-2-ol	154	C10H18O	069668-93-5	47
2			4-Decene, 5-bromo-	218	C10H19Br	061141-75-1	46
3			9,12-Octadecadienoyl chloride, (...	298	C18H31ClO	007459-33-8	46
4			9-Dodecen-1-ol, acetate, (Z)-	226	C14H26O2	016974-11-1	43
5			Bicyclo[2.2.1]heptan-2-ol, 3-cyc...	194	C13H22O	038935-71-6	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051316\
Data File : BF086996.D
Acq On : 14 May 2016 3:40
Operator : UM/SJ
Sample : H2969-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
AFP-59-GW

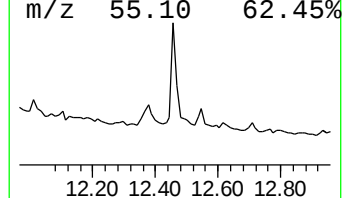
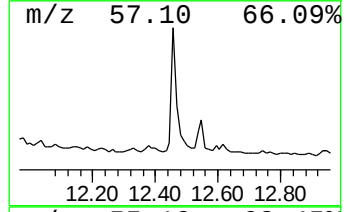
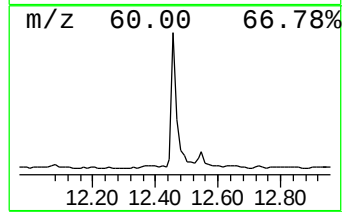
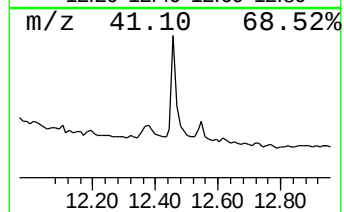
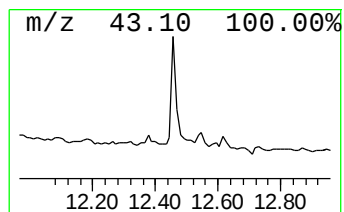
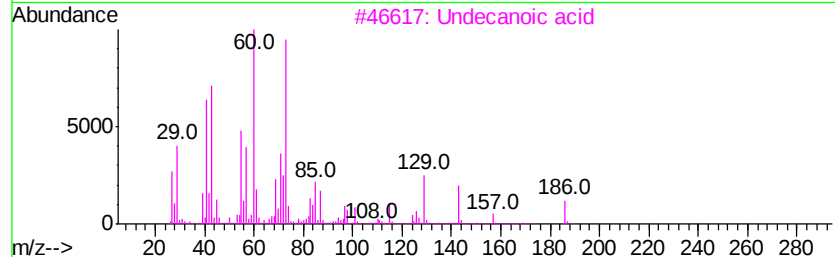
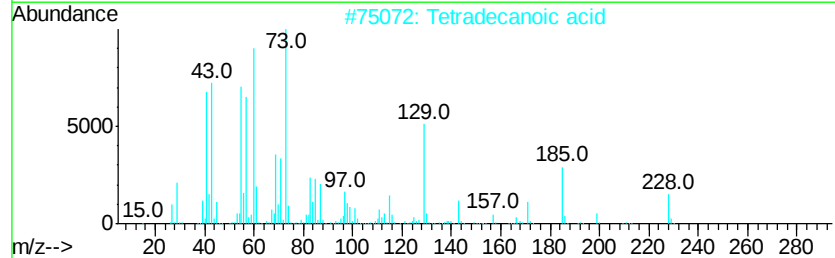
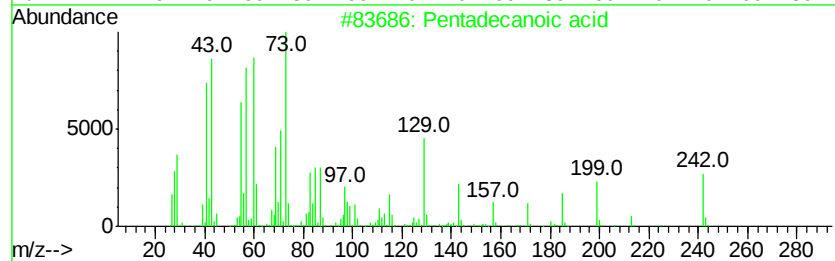
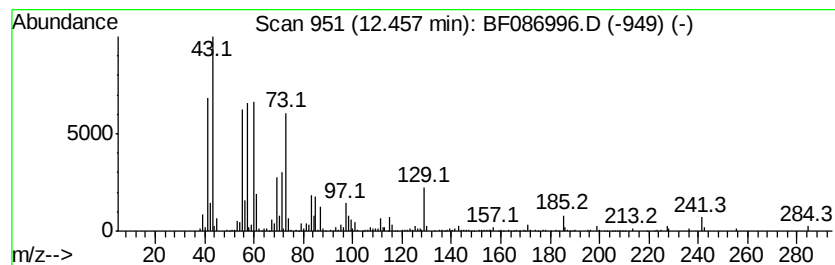
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Pentadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	6.98 ng	393634	Chrysene-d12	13.75

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentadecanoic acid	242	C15H30O2	001002-84-2	91
2		Tetradecanoic acid	228	C14H28O2	000544-63-8	90
3		Undecanoic acid	186	C11H22O2	000112-37-8	78
4		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	72
5		Octane, 1-(ethenylthio)-	172	C10H20S	042779-08-8	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051316\
 Data File : BF086996.D
 Acq On : 14 May 2016 3:40
 Operator : UM/SJ
 Sample : H2969-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 AFP-59-GW

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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
unknown6.39	6.39	74.5	ng	3625590	1	6.60	973256	20.0
unknown9.30	9.30	2.1	ng	155323	3	9.64	1498680	20.0
unknown9.52	9.52	2.4	ng	179945	3	9.64	1498680	20.0
unknown9.76	9.76	2.9	ng	214354	3	9.64	1498680	20.0
unknown9.99	9.99	2.3	ng	172987	3	9.64	1498680	20.0
Pentadecane	10.09	3.4	ng	251924	3	9.64	1498680	20.0
Undecane	10.56	2.4	ng	159301	4	11.13	1335610	20.0
Tri(2-chloroethyl...	10.88	12.7	ng	849157	4	11.13	1335610	20.0
Benz[cd]indol-2(1...	11.59	2.0	ng	134128	4	11.13	1335610	20.0
n-Hexadecanoic acid	11.68	6.1	ng	406663	4	11.13	1335610	20.0
1,6-Cyclodecadiene	11.93	6.1	ng	406975	4	11.13	1335610	20.0
unknown12.38	12.38	2.1	ng	139732	4	11.13	1335610	20.0
Pentadecanoic acid	12.46	7.0	ng	393634	5	13.75	1127100	20.0