

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071717\
 Data File : BF096834.D
 Acq On : 17 Jul 2017 22:05
 Operator : SJ/JU
 Sample : I4216-07
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-TOPSOIL-1A

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.799	474	478	490	rVB	194648	303920	10.63%	1.257%
2	5.228	546	551	554	rBV	2736562	2859289	100.00%	11.826%
3	6.269	722	728	731	rBV	2517378	2766736	96.76%	11.443%
4	6.387	743	748	751	rBV	2746088	2756917	96.42%	11.402%
5	6.610	783	786	790	rBV	699819	603097	21.09%	2.494%
6	6.769	809	813	817	rBV	2216046	2087163	73.00%	8.632%
7	7.181	877	883	885	rBV	1563183	1696098	59.32%	7.015%
8	7.892	1000	1004	1007	rBV	929062	748268	26.17%	3.095%
9	8.969	1182	1187	1190	rBV	2616369	2343210	81.95%	9.691%
10	9.363	1250	1254	1257	rBV	168000	138638	4.85%	0.573%
11	9.639	1297	1301	1305	rBV	718493	621192	21.73%	2.569%
12	10.422	1430	1434	1438	rBV	1204319	1062946	37.18%	4.396%
13	11.110	1548	1551	1554	rBV	506708	460708	16.11%	1.905%
14	11.133	1554	1555	1558	rVB	73695	50430	1.76%	0.209%
15	11.186	1562	1564	1568	rVB	33260	30551	1.07%	0.126%
16	12.316	1753	1756	1761	rVB	93928	77708	2.72%	0.321%
17	12.539	1789	1794	1797	rBV	82044	93124	3.26%	0.385%
18	12.580	1797	1801	1805	rVV2	35410	50829	1.78%	0.210%
19	12.698	1816	1821	1824	rBV	1570946	1488790	52.07%	6.158%
20	12.939	1860	1862	1866	rVB2	29723	32721	1.14%	0.135%
21	13.286	1917	1921	1925	rVB4	29753	38257	1.34%	0.158%
22	13.486	1951	1955	1957	rBV3	29299	32598	1.14%	0.135%
23	13.598	1970	1974	1981	rVB3	143474	195138	6.82%	0.807%
24	13.733	1993	1997	2000	rBV	609832	644055	22.53%	2.664%
25	13.763	2000	2002	2005	rVB	47920	39221	1.37%	0.162%
26	13.927	2027	2030	2034	rBV	68907	55990	1.96%	0.232%
27	14.233	2078	2082	2087	rBV	109880	132959	4.65%	0.550%
28	14.380	2104	2107	2112	rBV	90200	86090	3.01%	0.356%
29	14.521	2128	2131	2136	rVB	112432	104906	3.67%	0.434%
30	14.586	2139	2142	2147	rVB	67370	61053	2.14%	0.253%
31	14.651	2149	2153	2156	rBV	138615	141081	4.93%	0.584%
32	14.733	2164	2167	2170	rBV	31501	44461	1.55%	0.184%
33	14.827	2179	2183	2184	rBV	193697	214824	7.51%	0.888%
34	14.998	2210	2212	2219	rBV5	27381	31702	1.11%	0.131%

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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-BF071317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.057	2219	2222	2227	rVB	35032	45297	1.58%	0.187%
36	15.110	2227	2231	2235	rBV	408535	487105	17.04%	2.015%
37	15.163	2236	2240	2247	rVB	121436	154076	5.39%	0.637%
38	15.333	2266	2269	2274	rVB2	53985	69454	2.43%	0.287%
39	15.545	2300	2305	2309	rBV	181322	269189	9.41%	1.113%
40	15.733	2334	2337	2348	rVB10	42695	111099	3.89%	0.459%
41	15.915	2364	2368	2372	rVB4	99518	140061	4.90%	0.579%
42	15.980	2376	2379	2386	rVB	91927	151690	5.31%	0.627%
43	16.498	2463	2467	2473	rVB2	77177	138831	4.86%	0.574%
44	16.710	2498	2503	2513	rBV8	74862	178555	6.24%	0.738%
45	16.945	2540	2543	2550	rVB5	93507	165777	5.80%	0.686%
46	17.104	2566	2570	2580	rVB5	76632	172523	6.03%	0.714%

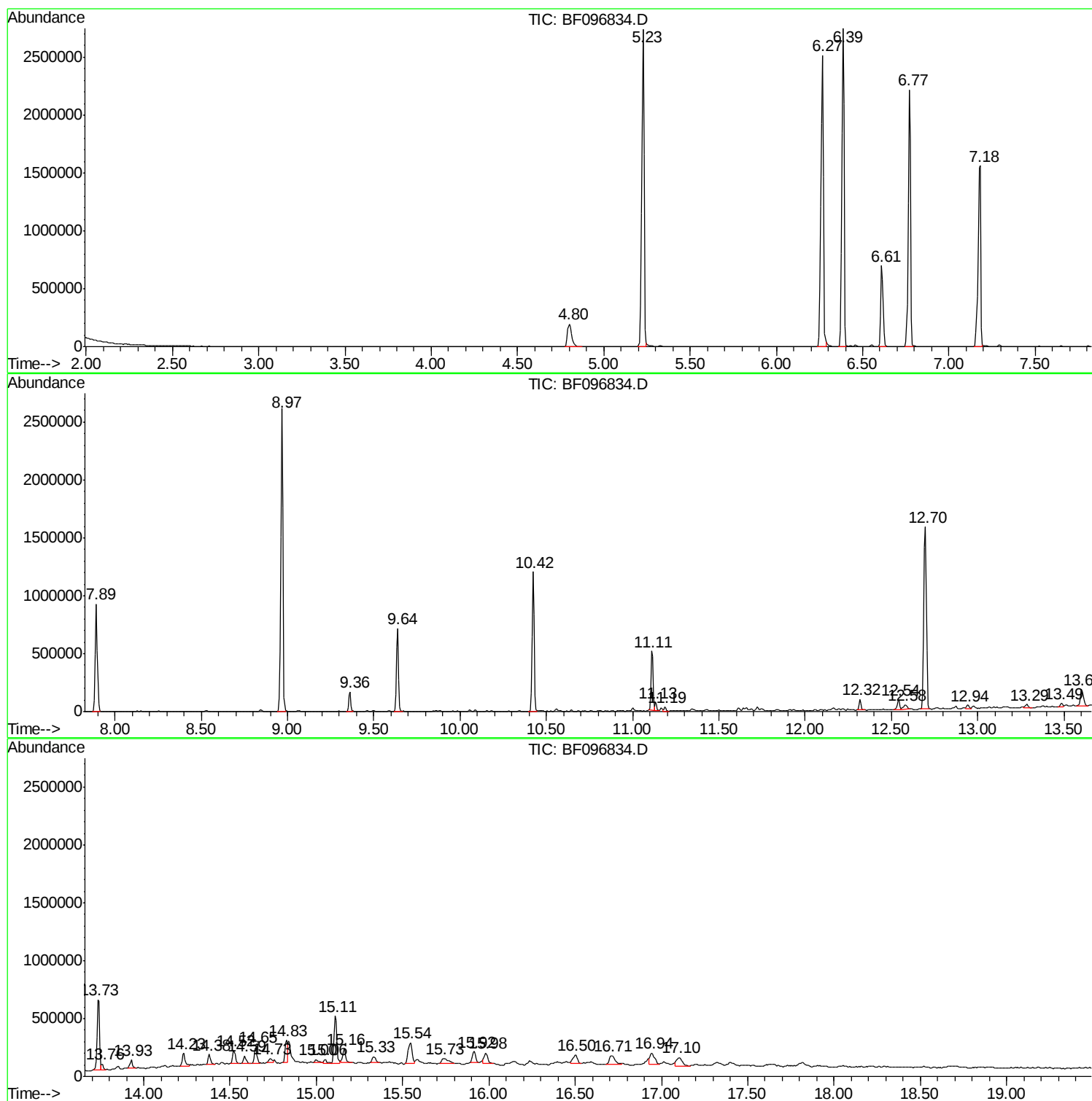
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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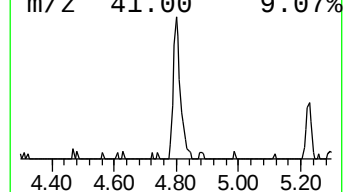
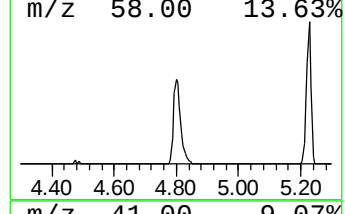
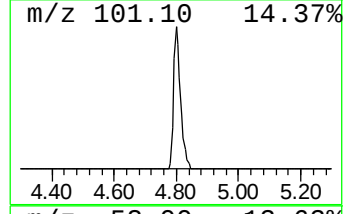
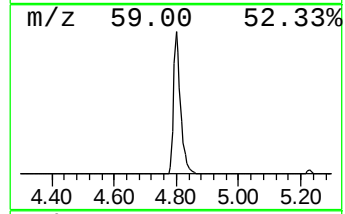
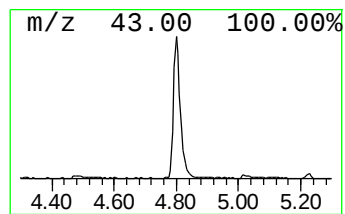
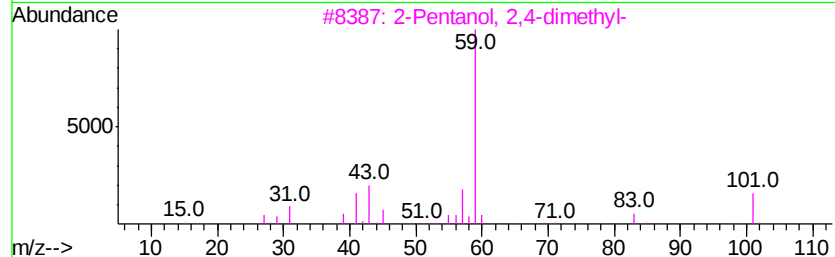
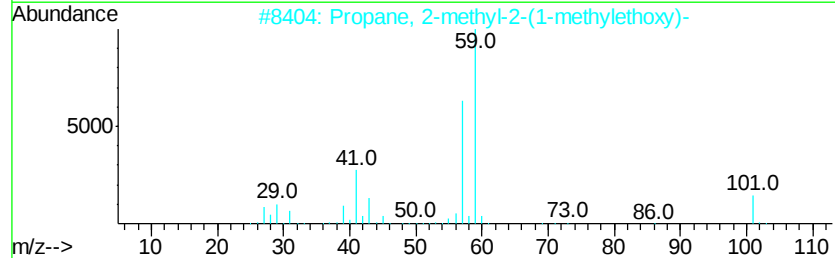
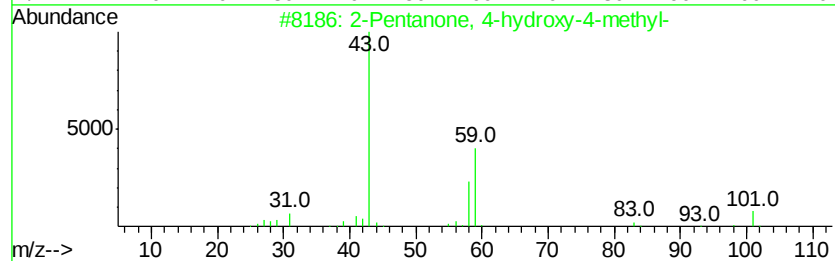
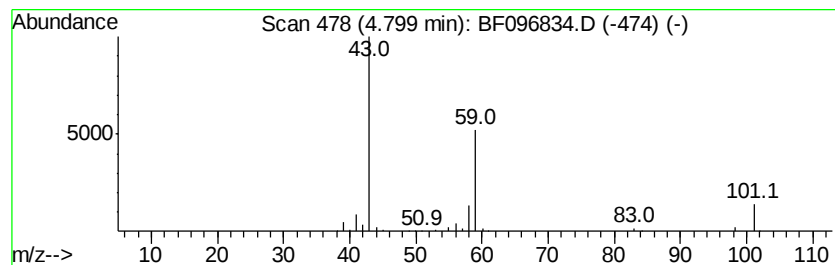
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.		
4.80	10.08 ng	303920	1,4-Dichlorobenzene-d4	6.61		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50	
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36	
3	2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	9	
4	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	9	
5	3-Hexanol	102	C6H14O	000623-37-0	9	



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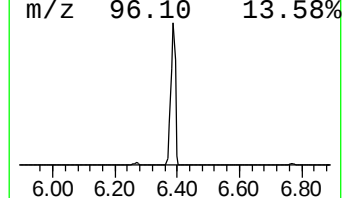
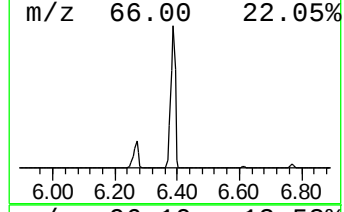
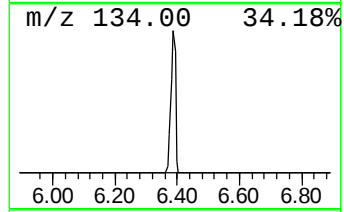
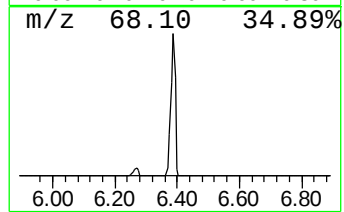
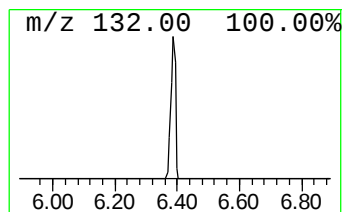
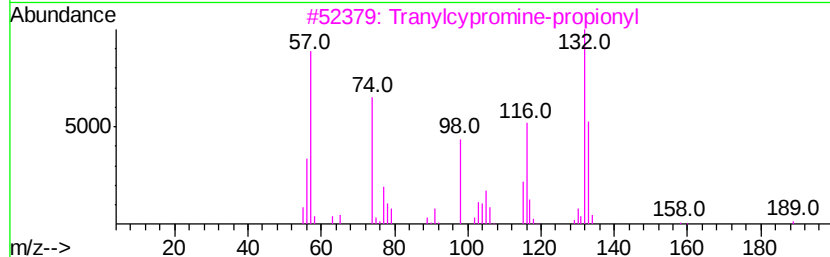
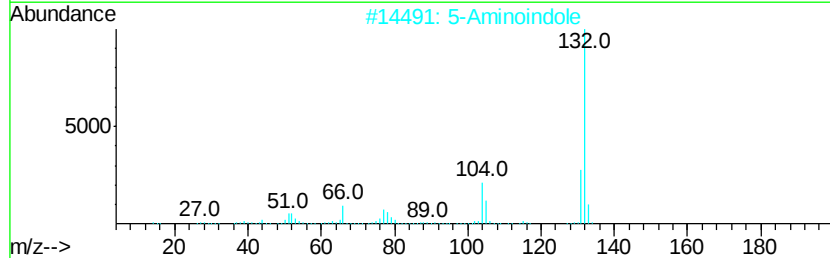
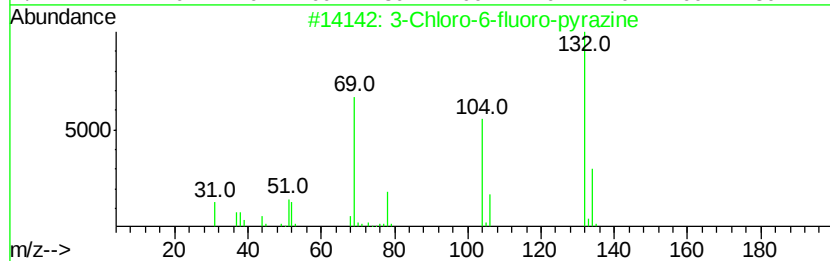
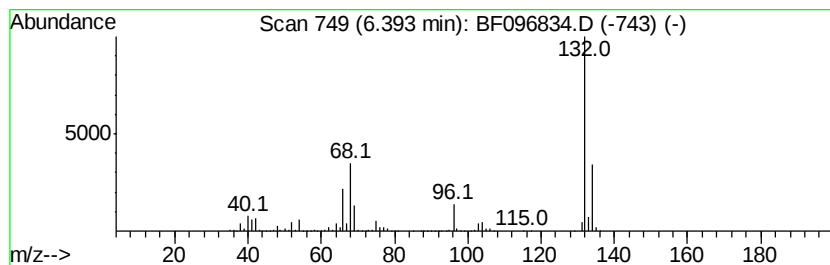
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.39 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.39	91.43 ng	2756920	1,4-Dichlorobenzene-d4	6.61

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27	
2	5-Aminoindole	132	C8H8N2	005192-03-0	12	
3	Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	10	
4	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9	
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9	



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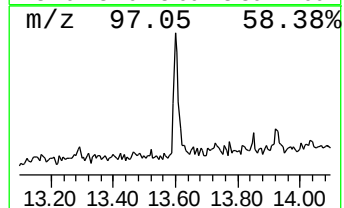
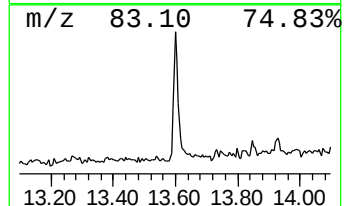
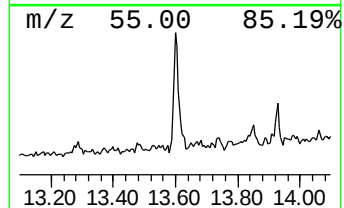
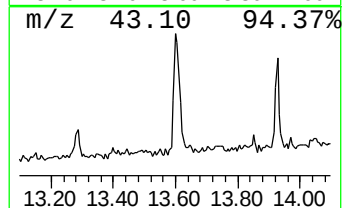
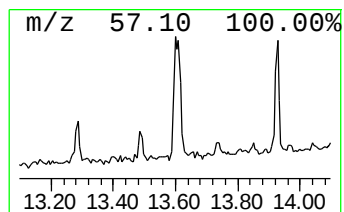
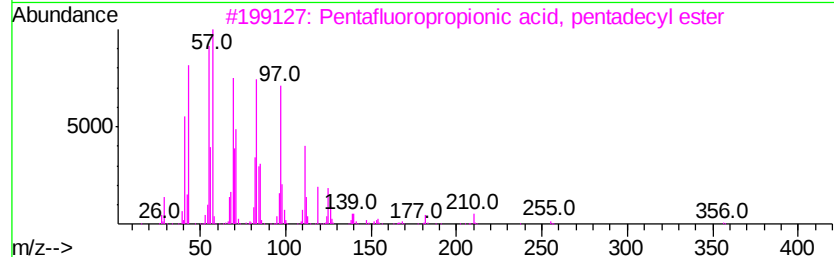
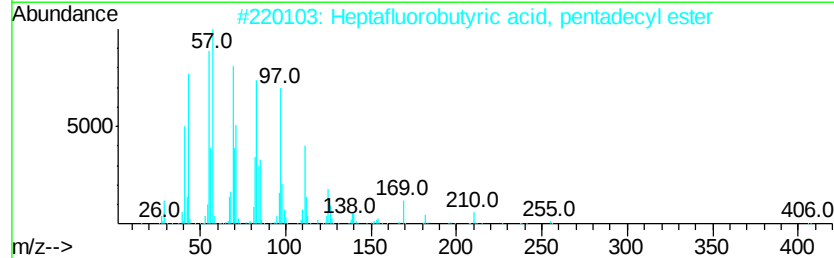
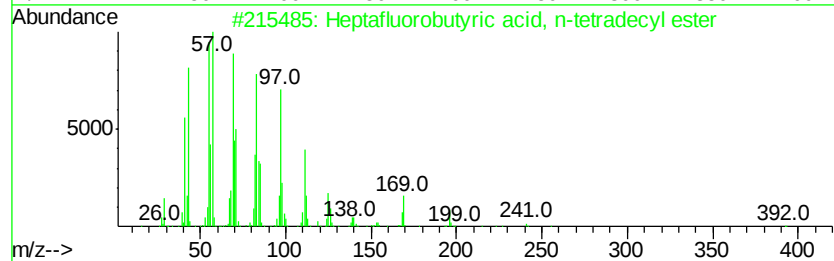
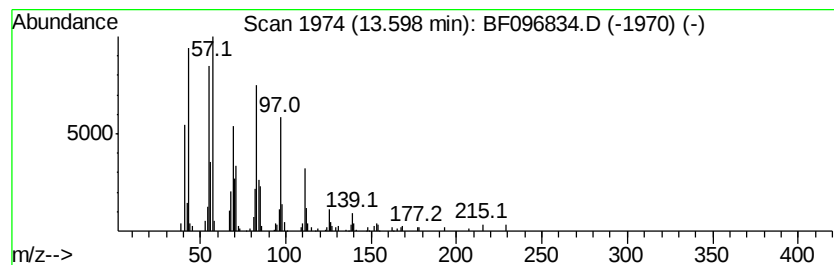
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Heptafluorobutyric acid, n-... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.60	6.06 ng	195138	Chrysene-d12	13.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptafluorobutyric acid, n-tetra...	410	C18H29F7O2	007365-36-8	81
2		Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	81
3		Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	81
4		Heptadecyl trifluoroacetate	352	C19H35F3O2	1000351-87-0	76
5		Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	76



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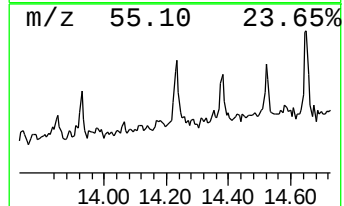
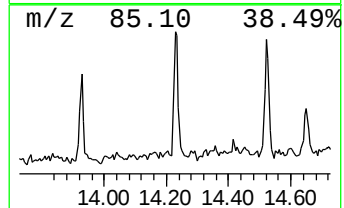
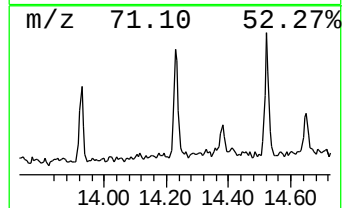
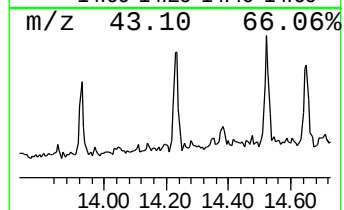
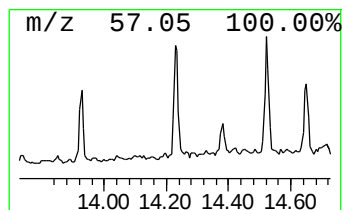
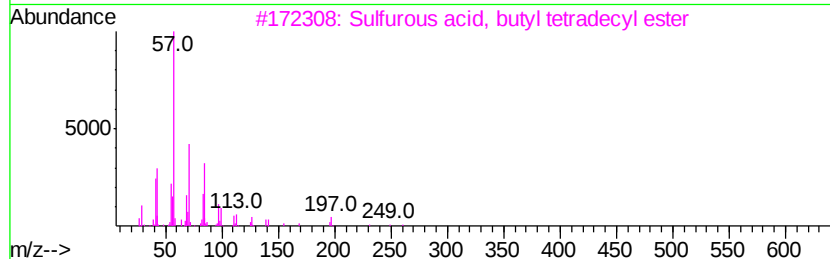
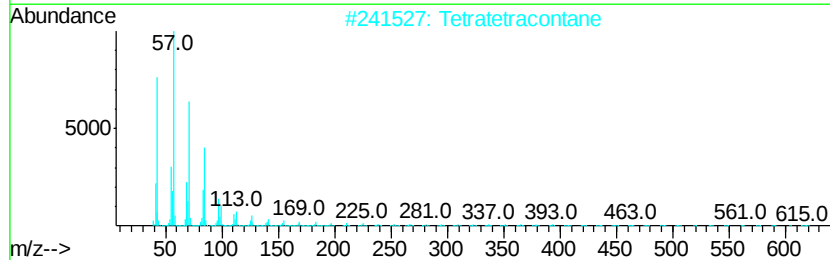
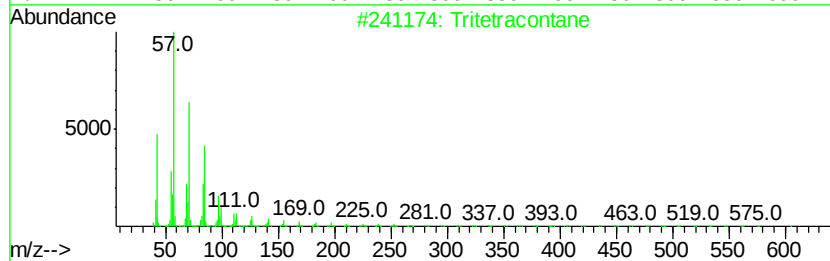
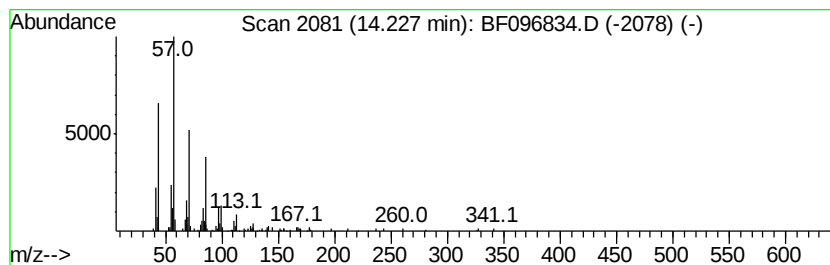
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Tritetracontane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.23	4.13 ng	132959	Chrysene-d12	13.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tritetracontane	605	C43H88	007098-21-7	90
2		Tetratetracontane	619	C44H90	007098-22-8	90
3		Sulfurous acid, butyl tetradecyl...	334	C18H38O3S	1000309-18-1	90
4		Sulfurous acid, butyl pentadecyl...	348	C19H40O3S	1000309-18-2	87
5		Tricosane	324	C23H48	000638-67-5	87



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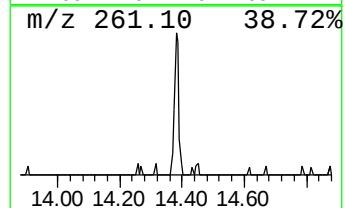
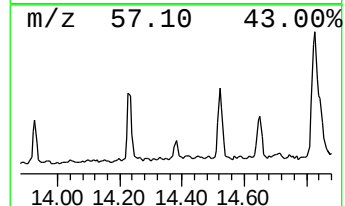
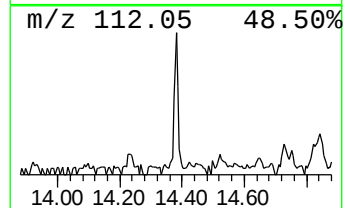
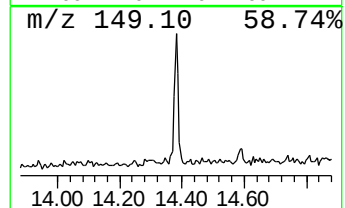
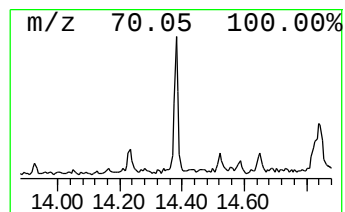
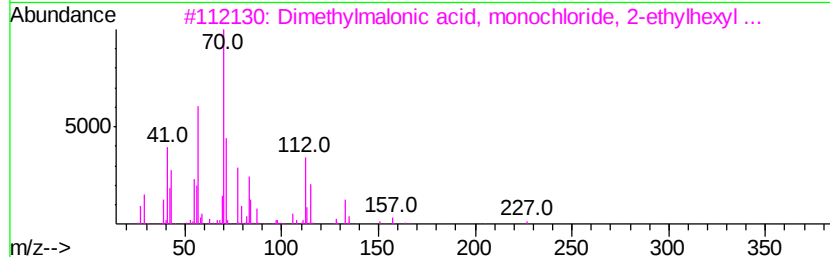
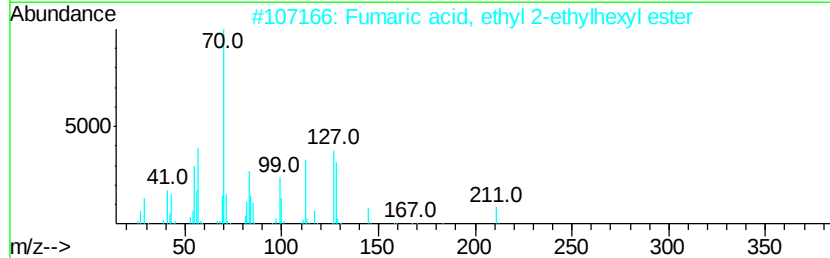
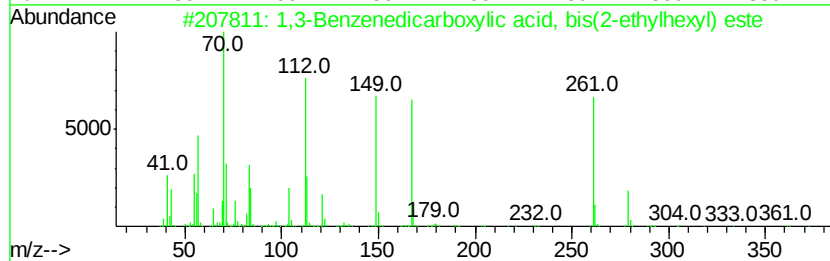
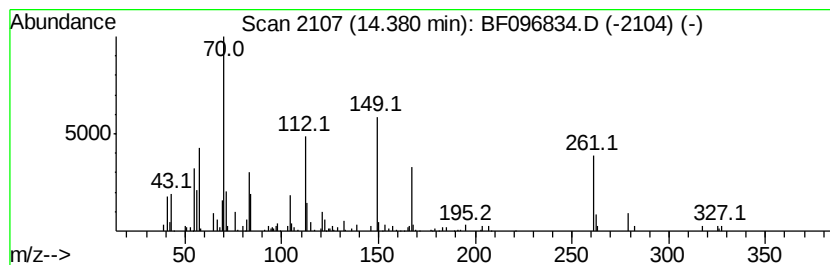
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 1,3-Benzenedicarboxylic aci... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.38	2.67 ng	86090	Chrysene-d12	13.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,3-Benzenedicarboxylic acid, bi...	390	C24H38O4	000137-89-3	64
2		Fumaric acid, ethyl 2-ethylhexyl...	256	C14H24O4	1000339-13-5	35
3		Dimethylmalonic acid, monochlori...	262	C13H23ClO3	1000361-64-8	32
4		2-Propenoic acid, 2-methyl-, oct...	198	C12H22O2	002157-01-9	25
5		Fumaric acid, 2-ethylhexyl hexyl...	312	C18H32O4	1000339-14-1	22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071717\
Data File : BF096834.D
Acq On : 17 Jul 2017 22:05
Operator : SJ/JU
Sample : I4216-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VITALE-TOPSOIL-1A

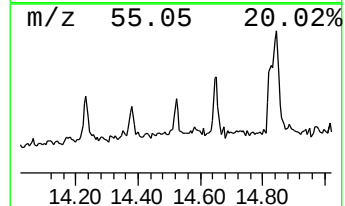
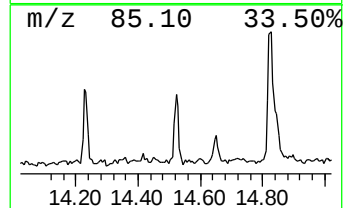
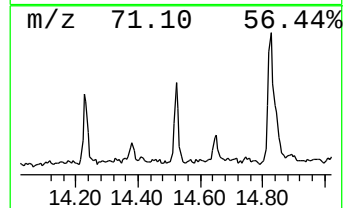
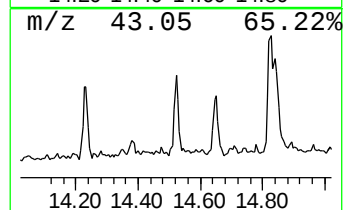
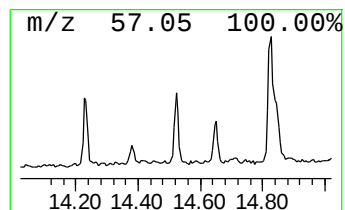
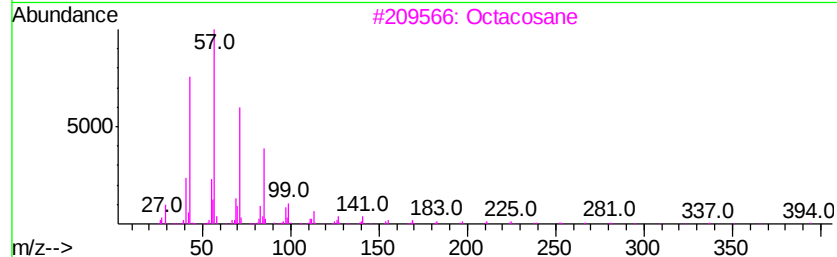
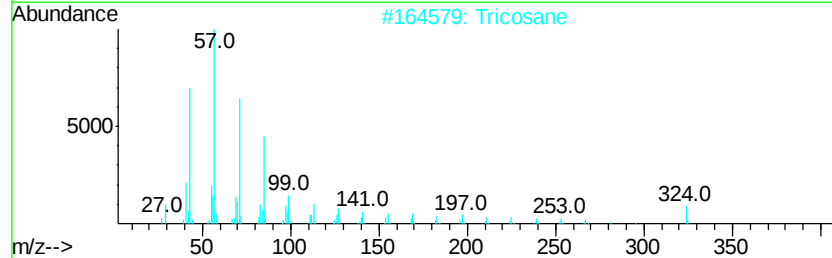
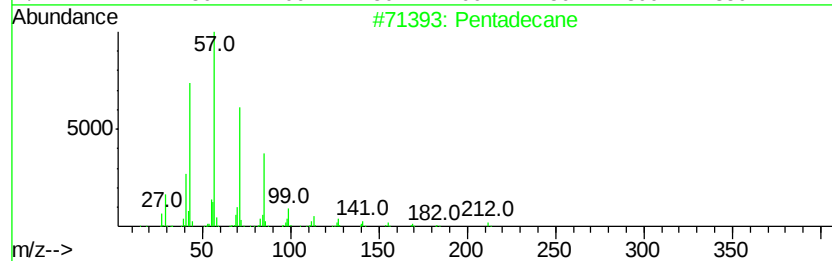
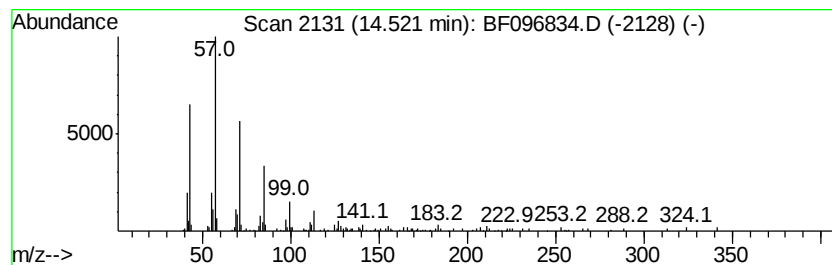
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Pentadecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.52	4.31 ng	104906	Perylene-d12	15.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane	212	C15H32	000629-62-9	91
2		Tricosane	324	C23H48	000638-67-5	90
3		Octacosane	394	C28H58	000630-02-4	87
4		Octadecane, 2-methyl-	268	C19H40	001560-88-9	86
5		Tetradecane, 3-methyl-	212	C15H32	018435-22-8	83



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071717\
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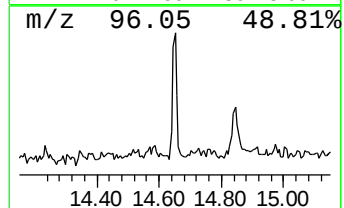
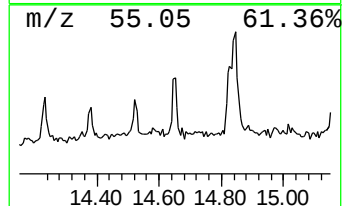
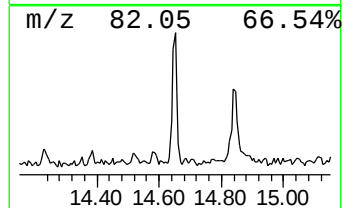
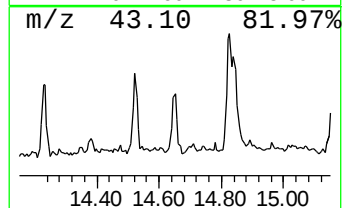
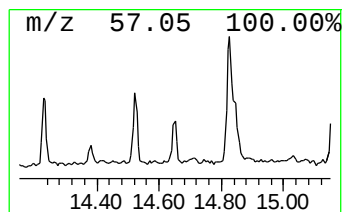
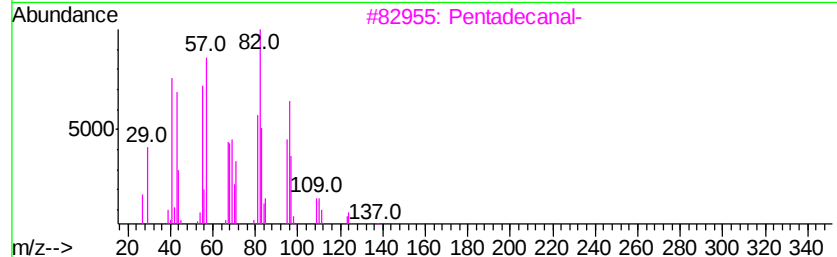
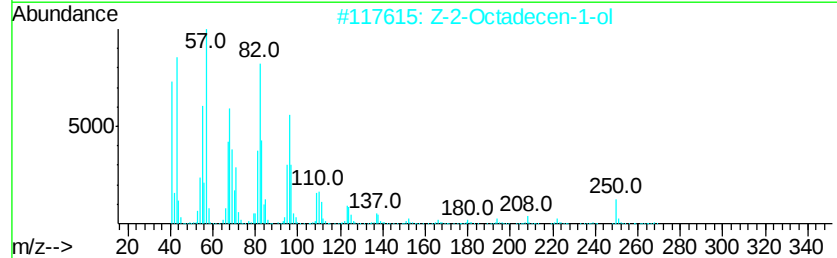
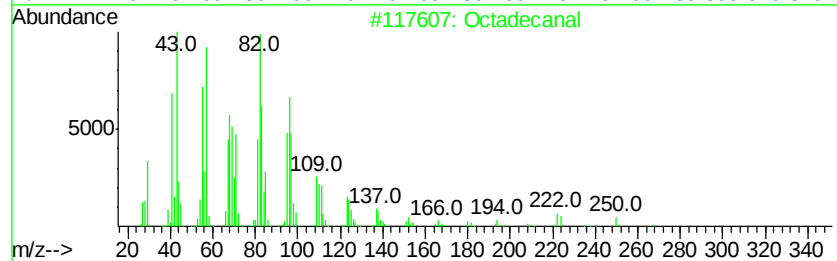
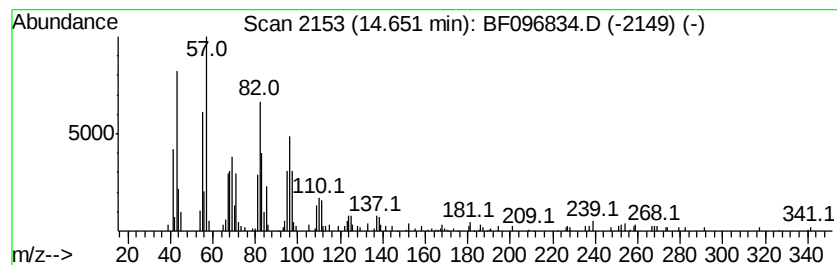
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Octadecanal Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.
14.65	5.79 ng	141081	Perylene-d12		15.11
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanal	268	C18H36O	000638-66-4	90
2	Z-2-Octadecen-1-ol	268	C18H36O	1000131-11-0	87
3	Pentadecanal-	226	C15H30O	002765-11-9	87
4	(Z)-14-Tricosenyl formate	366	C24H46O2	077899-10-6	87
5	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071717\
Data File : BF096834.D
Acq On : 17 Jul 2017 22:05
Operator : SJ/JU
Sample : I4216-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

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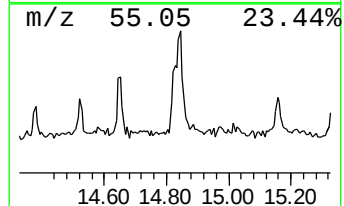
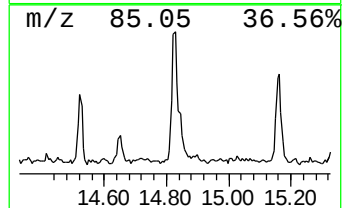
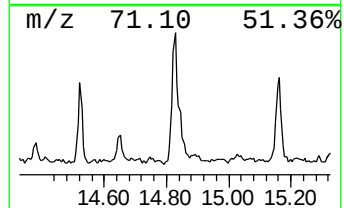
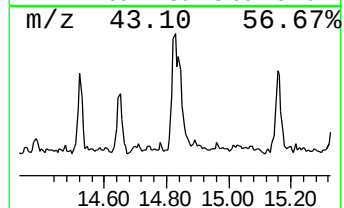
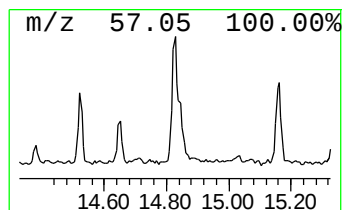
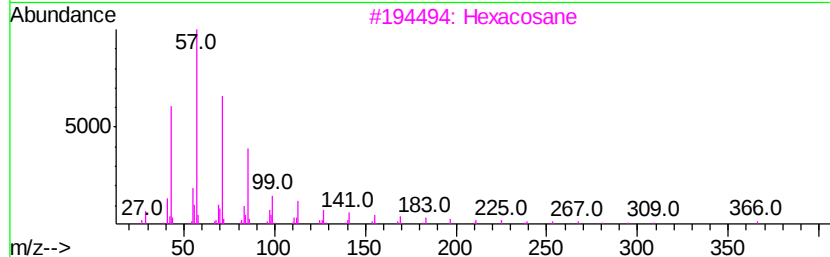
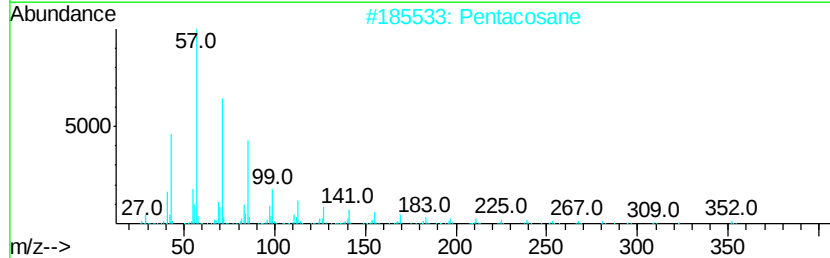
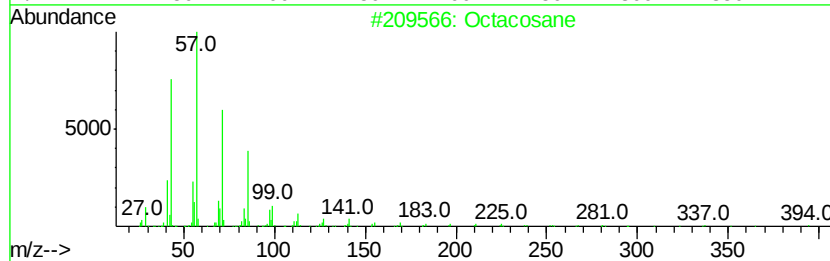
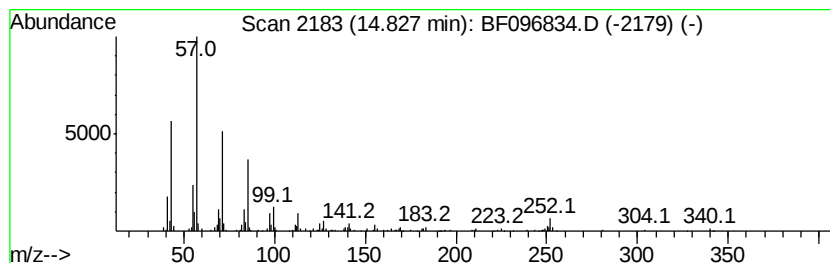
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Octacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	8.82 ng	214824	Perylene-d12	15.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octacosane	394	C28H58	000630-02-4	90
2		Pentacosane	352	C25H52	000629-99-2	87
3		Hexacosane	366	C26H54	000630-01-3	87
4		Tetratetracontane	619	C44H90	007098-22-8	81
5		Heneicosane	296	C21H44	000629-94-7	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071717\
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Acq On : 17 Jul 2017 22:05
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Instrument :
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ClientSampleId :
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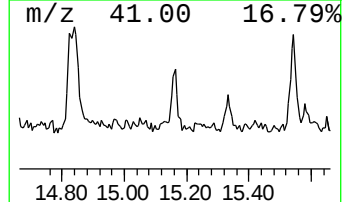
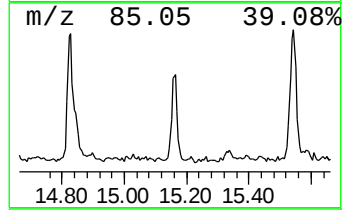
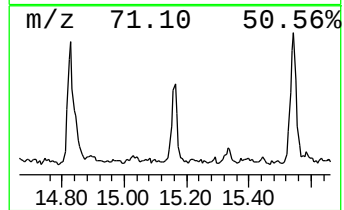
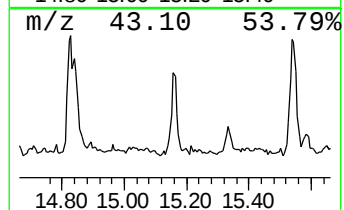
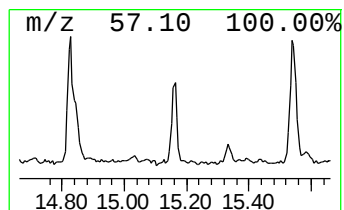
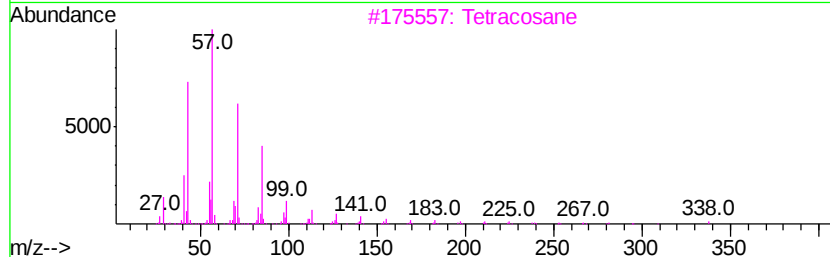
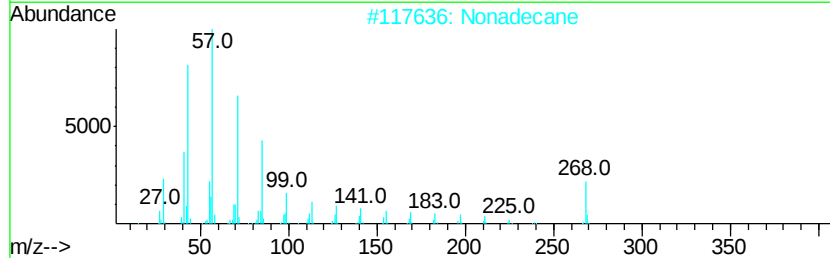
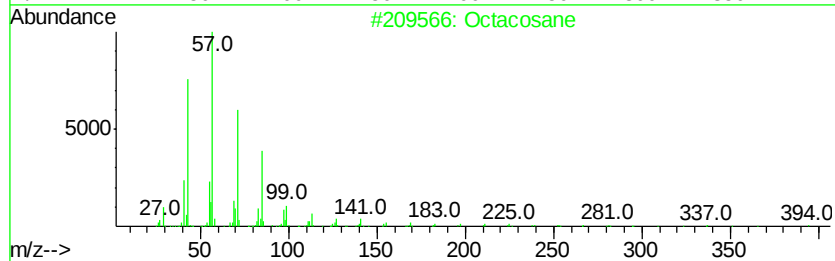
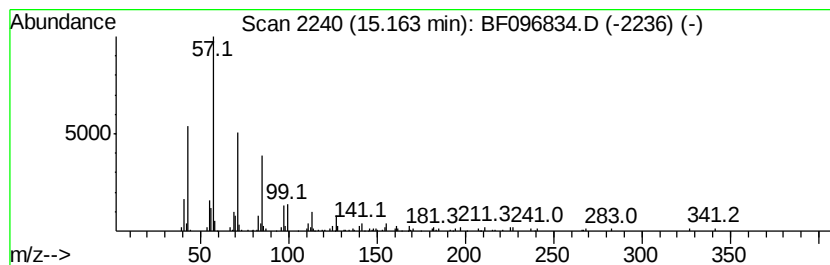
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Docosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	6.33 ng	154076	Perylene-d12	15.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octacosane	394	C28H58	000630-02-4	90
2		Nonadecane	268	C19H40	000629-92-5	87
3		Tetracosane	338	C24H50	000646-31-1	87
4		Pentacosane	352	C25H52	000629-99-2	87
5		Docosane	310	C22H46	000629-97-0	86



Data Path : Z:\HPCHEM1\BNA F\DATA\BF071717\
Data File : BF096834.D
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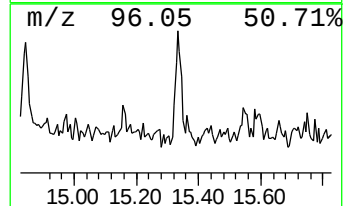
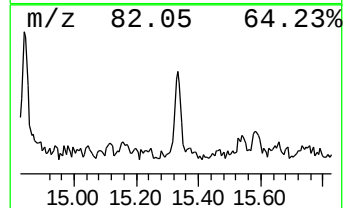
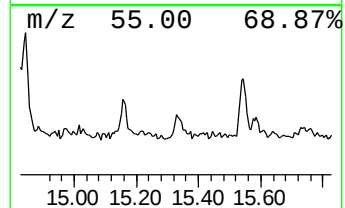
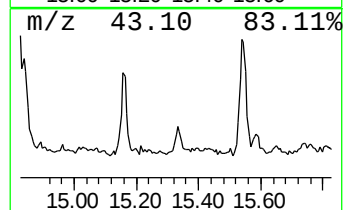
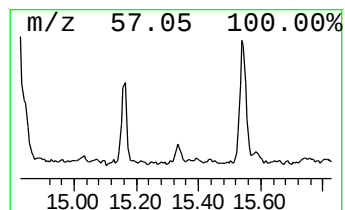
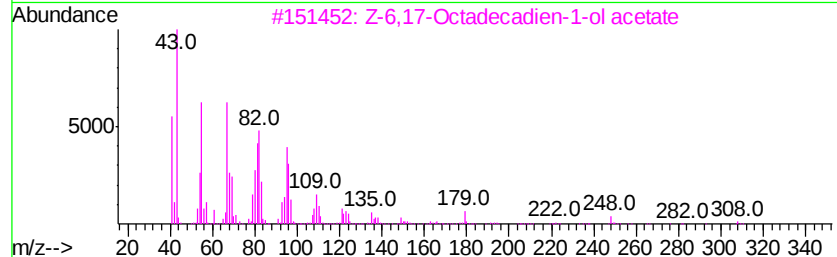
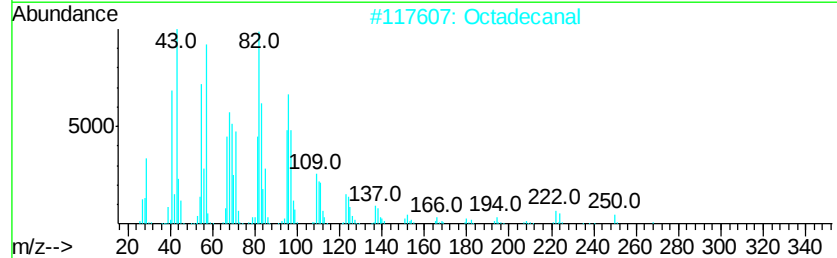
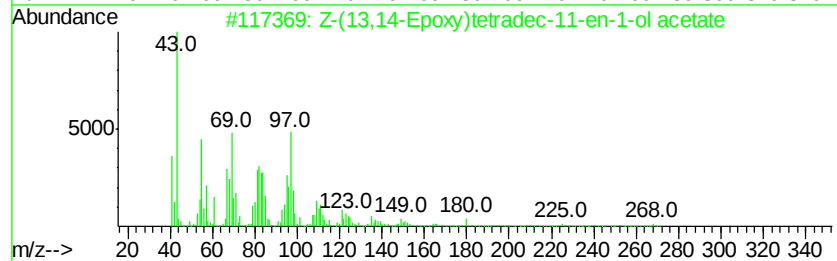
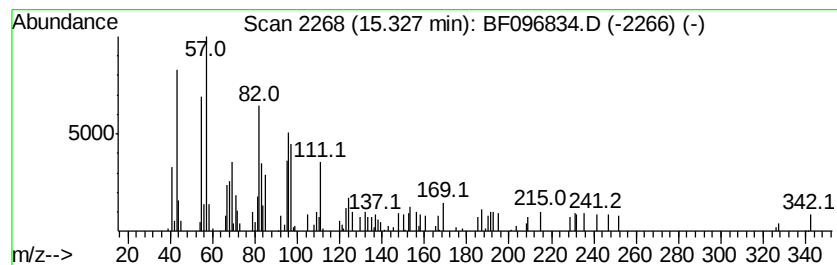
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown15.33 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	2.85 ng	69454	Perylene-d12	15.11

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Z-(13,14-Epoxy)tetradec-11-en-1-...	268	C16H28O3	1000131-33-2	37
2			Octadecanal	268	C18H36O	000638-66-4	35
3			Z-6,17-Octadecadien-1-ol acetate	308	C20H36O2	086252-73-5	35
4			Heptadecanal	254	C17H34O	1000376-70-0	35
5			Tetradecanenitrile	209	C14H27N	000629-63-0	27



Data Path : Z:\HPCHEM1\BNA F\DATA\BF071717\
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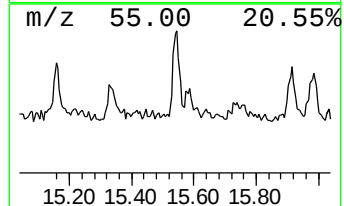
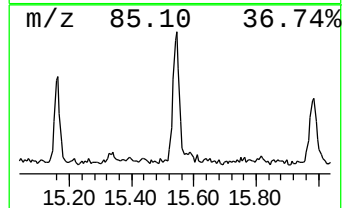
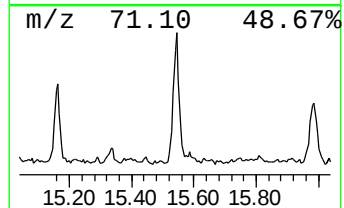
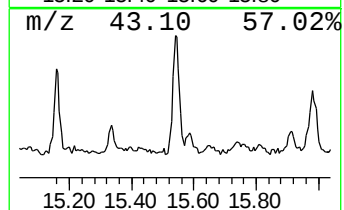
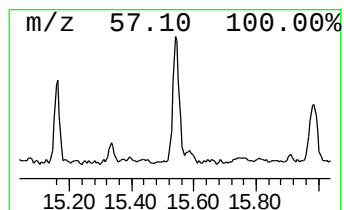
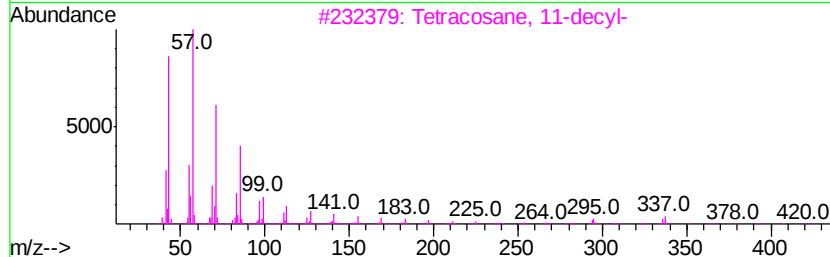
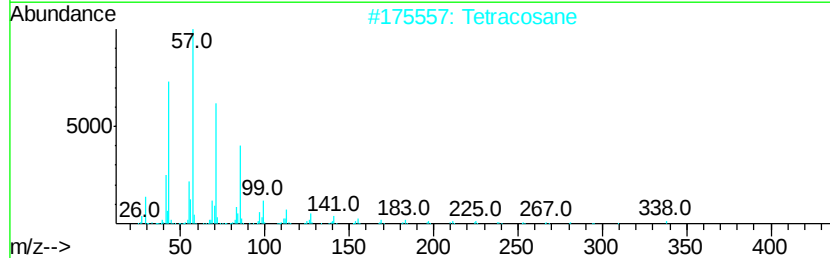
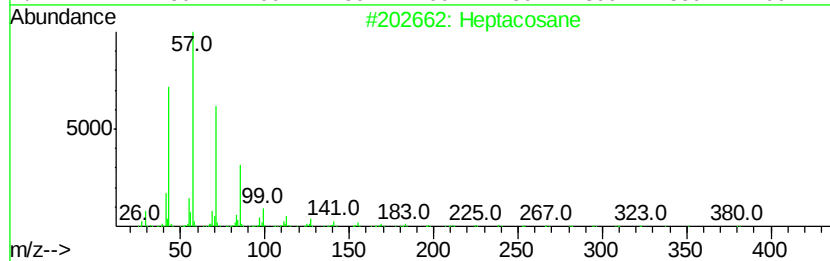
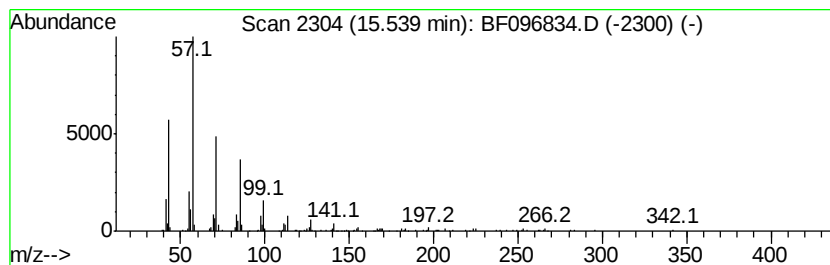
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Heptacosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	11.05 ng	269189	Perylene-d12	15.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptacosane	380	C27H56	000593-49-7	91
2		Tetracosane	338	C24H50	000646-31-1	91
3		Tetracosane, 11-decyl-	479	C34H70	055429-84-0	91
4		Hentriacontane	437	C31H64	000630-04-6	91
5		Octacosane	394	C28H58	000630-02-4	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071717\
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Misc :
ALS Vial : 26 Sample Multiplier: 1

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ClientSampleId :
VITALE-TOPSOIL-1A

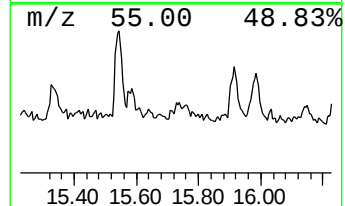
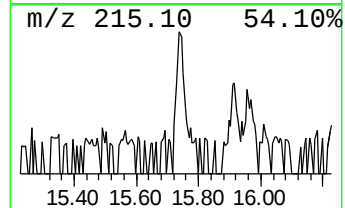
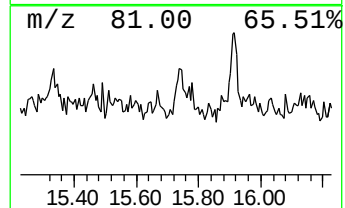
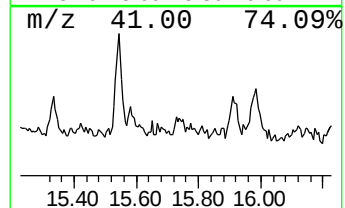
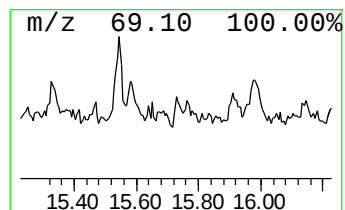
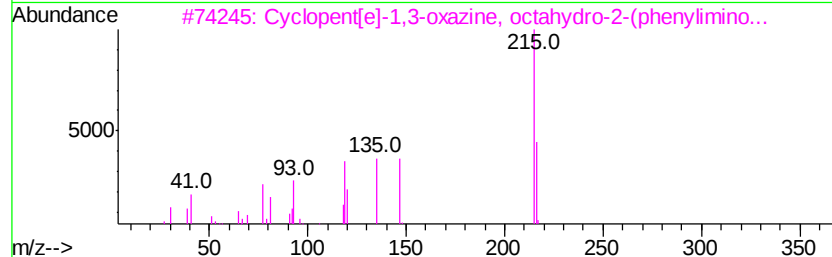
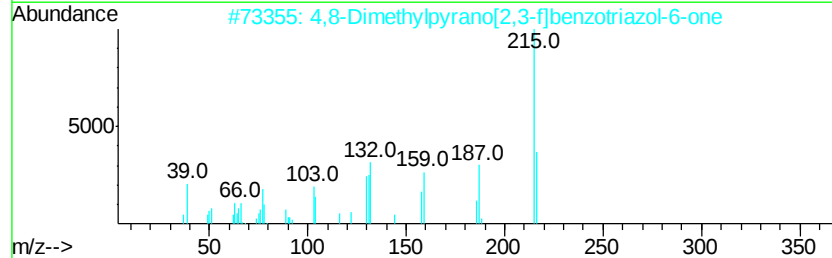
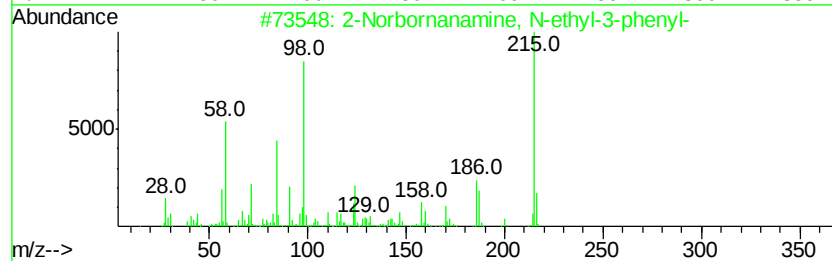
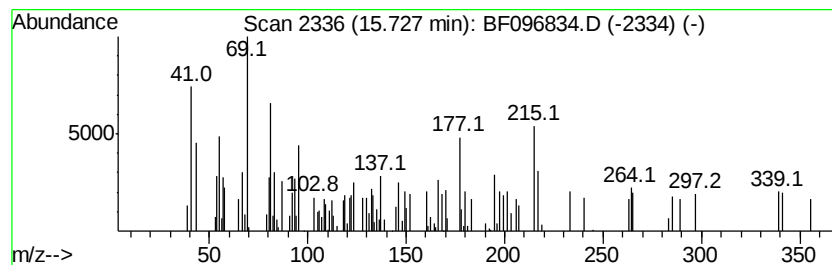
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown15.73 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	4.56 ng	111099	Perylene-d12	15.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Norbornanamine, N-ethyl-3-phenyl-	215	C15H21N	001209-98-9	11
2		4,8-Dimethylpyrano[2,3-f]benzotr...	215	C11H9N3O2	129503-12-4	10
3		Cyclopent[el]-1,3-oxazine, octahv...	216	C13H16N2O	1000138-92-2	10
4		Indanidine	215	C11H13N5	085392-79-6	10
5		Succinic acid, 2-ethylhexyl 2,2,...	444	C17H24F8O4	1000370-94-5	10



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071717\
Data File : BF096834.D
Acq On : 17 Jul 2017 22:05
Operator : SJ/JU
Sample : I4216-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VITALE-TOPSOIL-1A

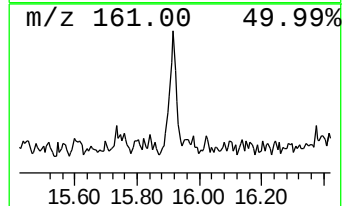
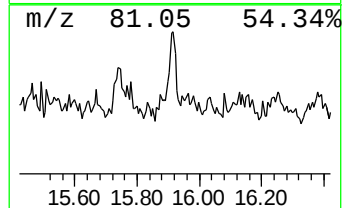
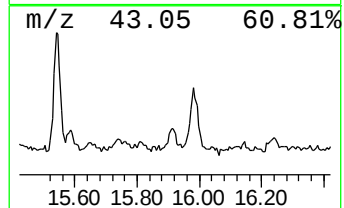
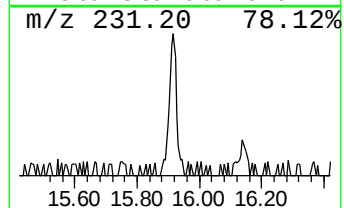
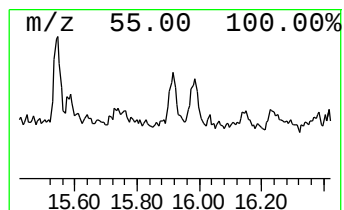
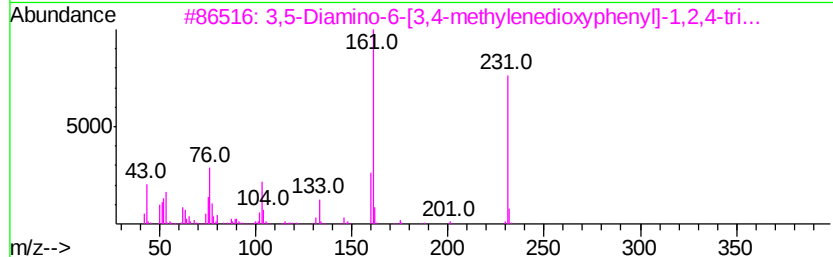
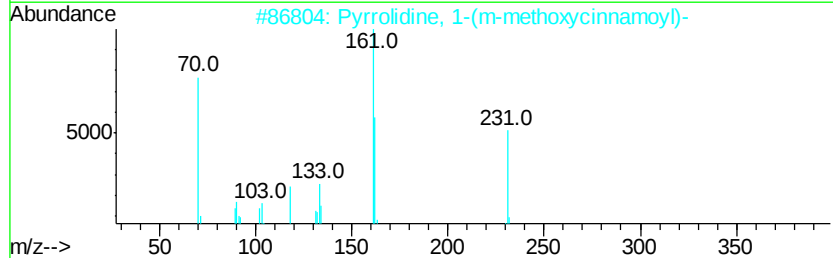
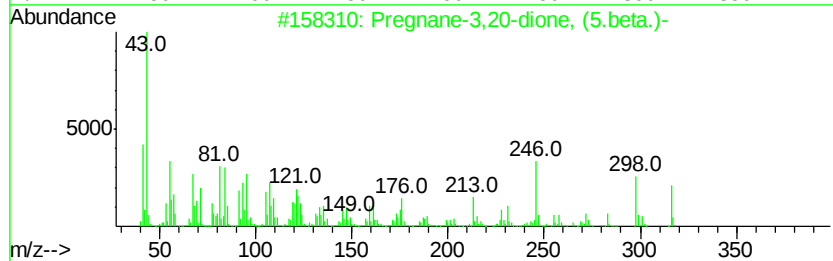
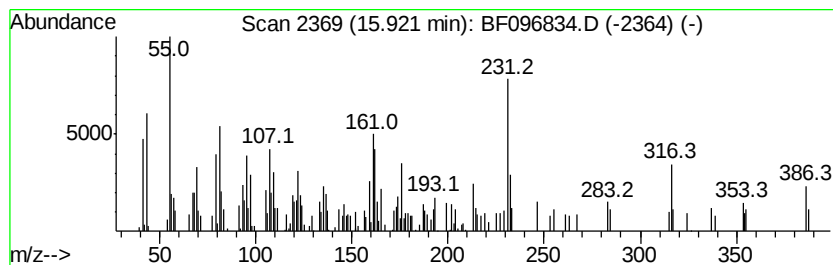
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown15.92 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	5.75 ng	140061	Perylene-d12	15.11

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pregnane-3,20-dione, (5.beta.)-	316	C21H32O2	000128-23-4	42
2			Pyrrolidine, 1-(m-methoxycinnamo...	231	C14H17NO2	029647-01-6	27
3			3,5-Diamino-6-[3,4-methylenedioxy...	231	C10H9N5O2	058848-65-0	22
4			2-Acetyl-3-(1-methyl-2-pyrrollyl)...	231	C13H13NO3	1000326-75-5	18
5			Silane, diethylbutoxy(3-methylpe...	260	C14H32O2Si	1000363-48-4	16



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071717\
Data File : BF096834.D
Acq On : 17 Jul 2017 22:05
Operator : SJ/JU
Sample : I4216-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VITALE-TOPSOIL-1A

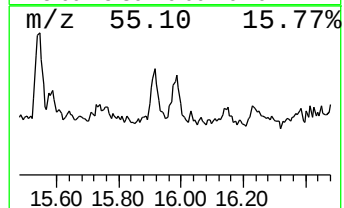
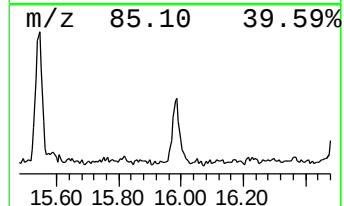
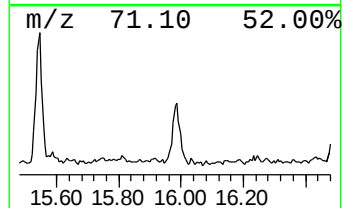
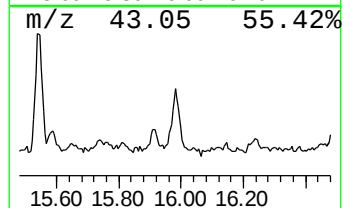
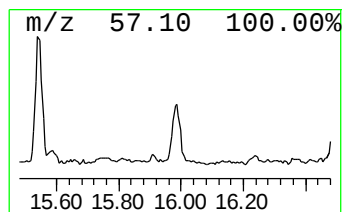
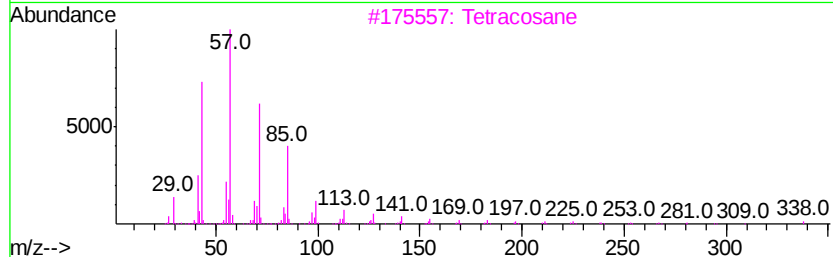
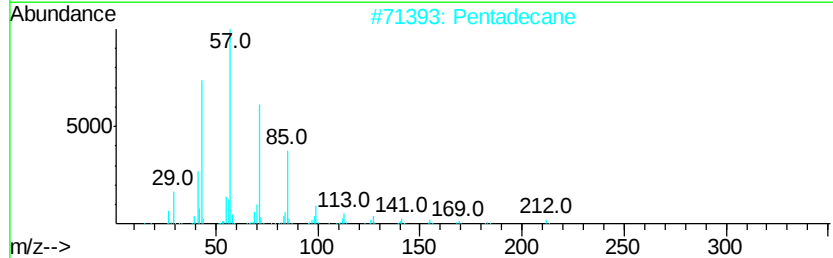
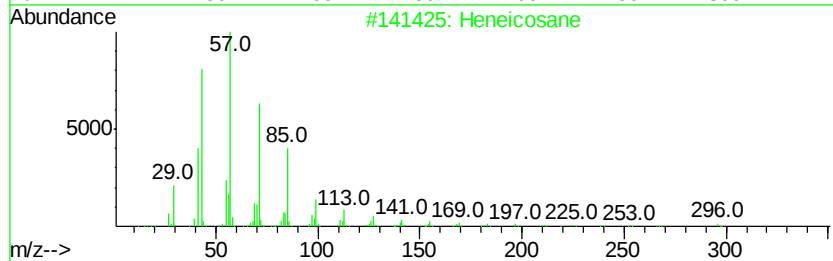
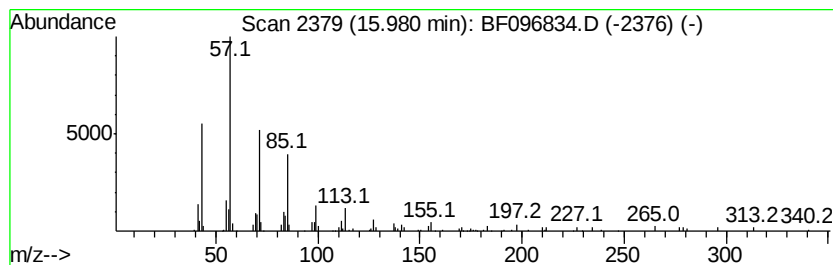
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Heneicosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.98	6.23 ng	151690	Perylene-d12	15.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	98
2		Pentadecane	212	C15H32	000629-62-9	95
3		Tetracosane	338	C24H50	000646-31-1	87
4		Nonadecane	268	C19H40	000629-92-5	86
5		Heptadecane	240	C17H36	000629-78-7	86



Data Path : Z:\HPCHEM1\BNA F\DATA\BF071717\
 Data File : BF096834.D
 Acq On : 17 Jul 2017 22:05
 Operator : SJ/JU
 Sample : I4216-07
 Misc :
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Instrument :
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 ClientSampleId :
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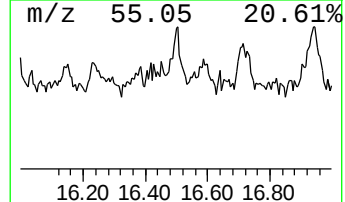
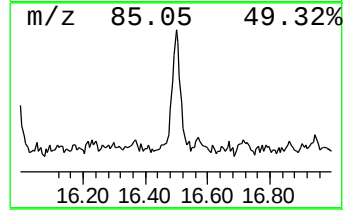
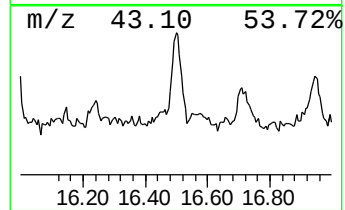
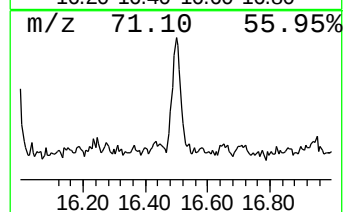
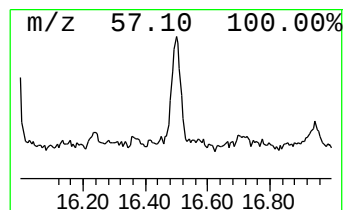
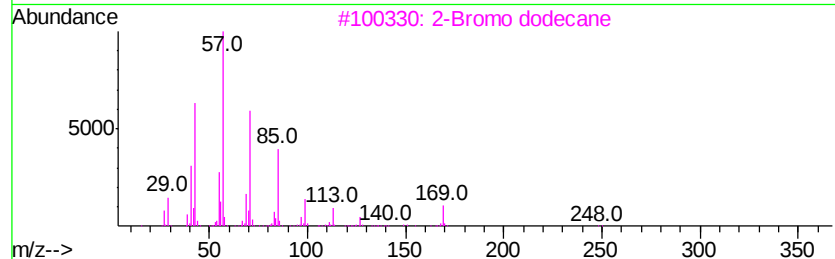
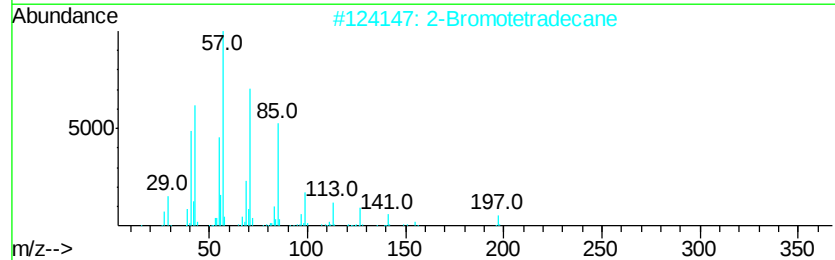
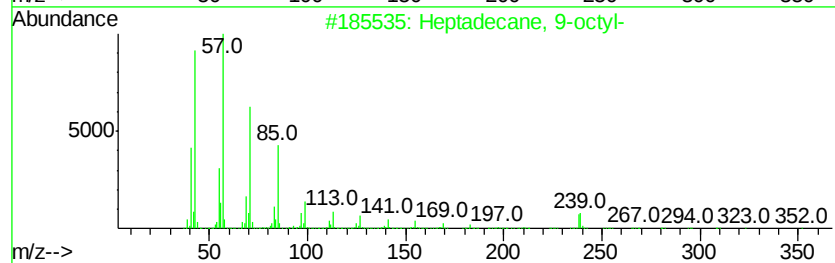
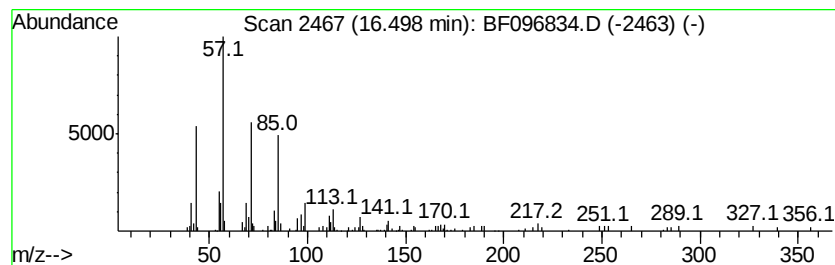
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 17 Heptadecane, 9-octyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.50	5.70 ng	138831	Perylene-d12	15.11

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptadecane, 9-octyl-	352	C25H52	007225-64-1	87
2			2-Bromotetradecane	276	C14H29Br	074036-95-6	87
3			2-Bromo dodecane	248	C12H25Br	013187-99-0	86
4			Hexacosane	366	C26H54	000630-01-3	86
5			Hentriacontane	437	C31H64	000630-04-6	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071717\
Data File : BF096834.D
Acq On : 17 Jul 2017 22:05
Operator : SJ/JU
Sample : I4216-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VITALE-TOPSOIL-1A

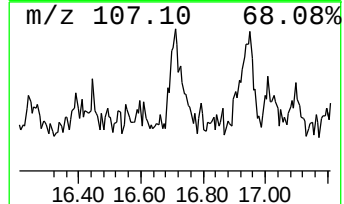
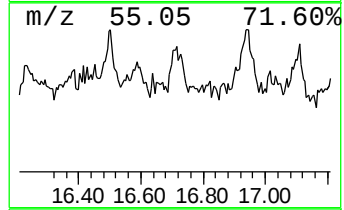
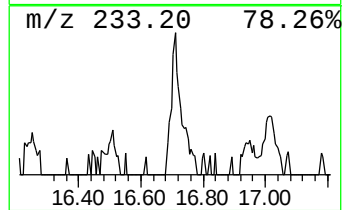
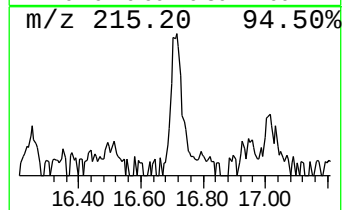
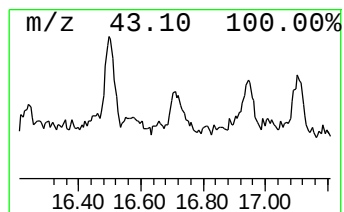
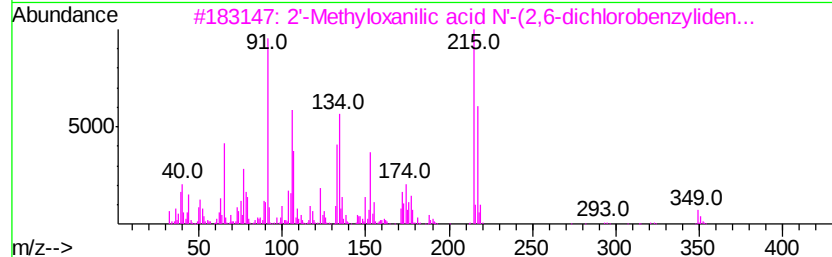
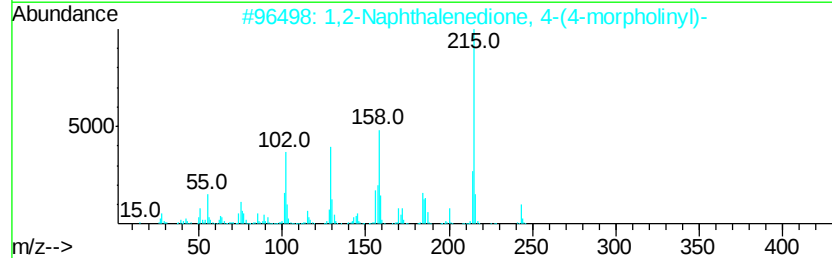
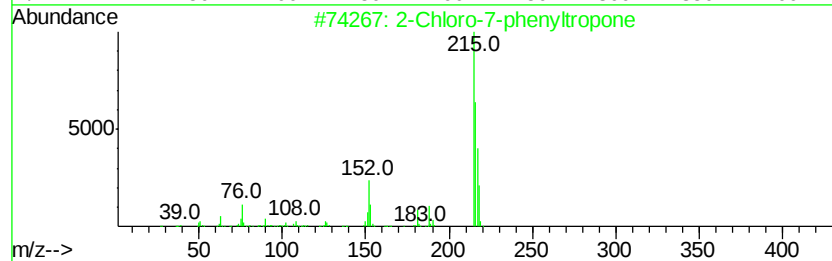
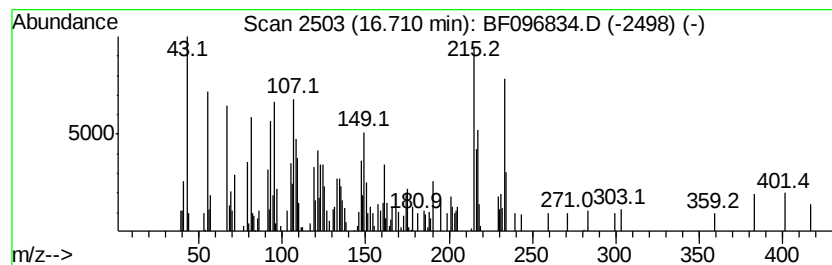
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown16.71 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.71	7.33 ng	178555	Perylene-d12	15.11

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Chloro-7-phenyltropone	216	C13H9ClO	090128-01-1	30
2		1,2-Naphthalenedione, 4-(4-morph...	243	C14H13NO3	004569-83-9	25
3		2'-Methyloxanilic acid N'-(2,6-d...	349	C16H13Cl2N3O2	328018-48-0	14
4		2,3-Dichloro-5-trifluoromethylpy...	215	C6H2Cl2F3N	069045-84-7	14
5		2,3-Dichlorothiophene-5-sulfonyl...	250	C4HCl3O2S2	126714-85-0	14



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071717\
Data File : BF096834.D
Acq On : 17 Jul 2017 22:05
Operator : SJ/JU
Sample : I4216-07
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VITALE-TOPSOIL-1A

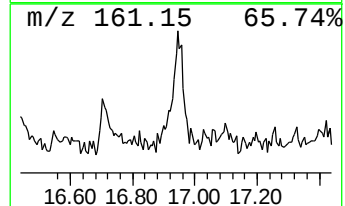
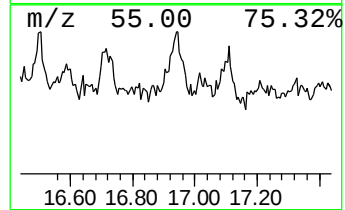
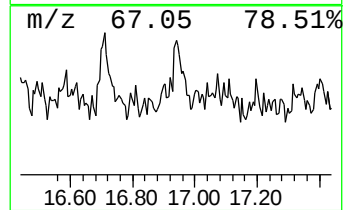
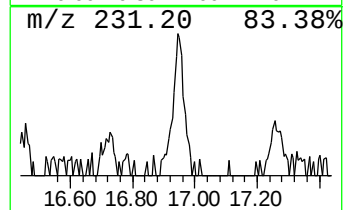
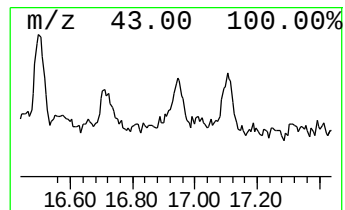
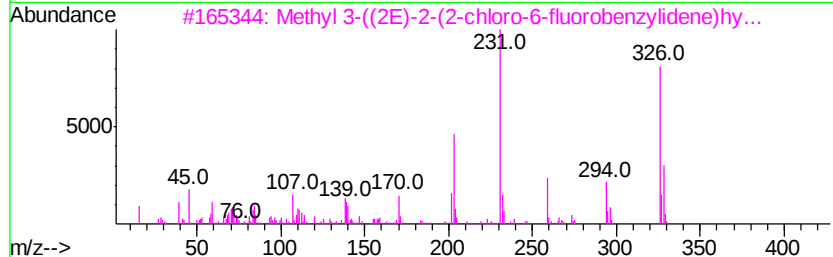
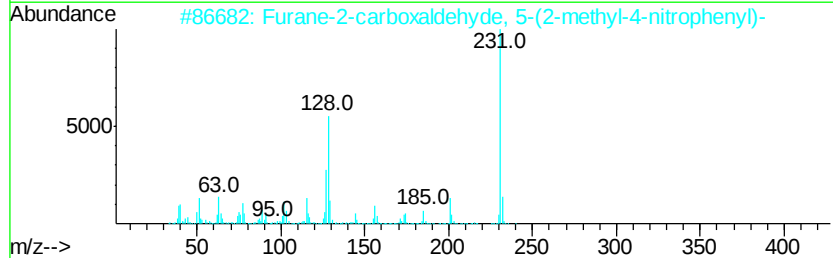
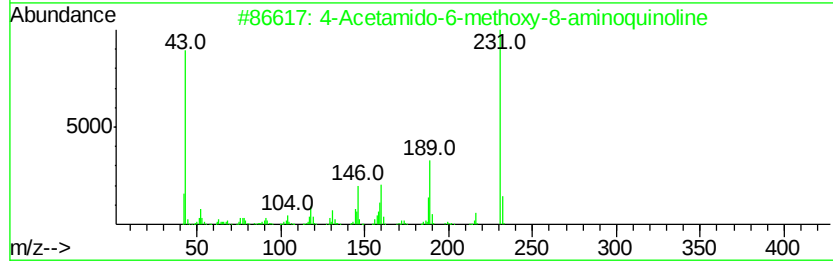
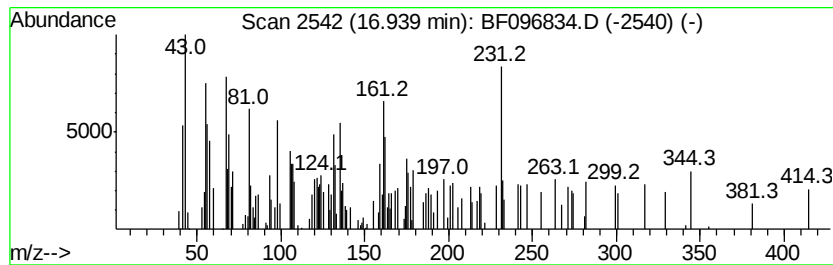
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 unknown16.94 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.94	6.81 ng	165777	Perylene-d12	15.11

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4-Acetamido-6-methoxy-8-aminoqui...	231	C12H13N3O2	063456-99-5	18
2			Furane-2-carboxaldehyde, 5-(2-me...	231	C12H9NO4	329222-70-0	14
3			Methyl 3-((2E)-2-(2-chloro-6-flu...	326	C14H12ClFN2O2S	1000298-12-2	14
4			Cannabidiol	314	C21H30O2	013956-29-1	14
5			2-Quinoxalinecarbonitrile, 3-phe...	247	C15H9N3O	018916-51-3	14



Data Path : Z:\HPCHEM1\BNA F\DATA\BF071717\
Data File : BF096834.D
Acq On : 17 Jul 2017 22:05
Operator : SJ/JU
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Misc :
ALS Vial : 26 Sample Multiplier: 1

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ClientSampleId :
VITALE-TOPSOIL-1A

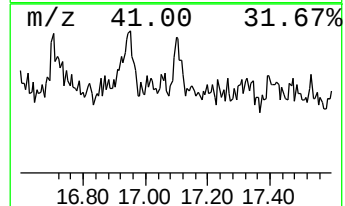
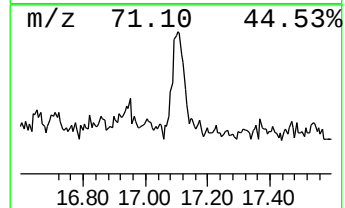
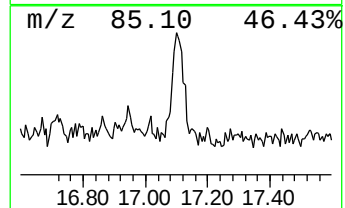
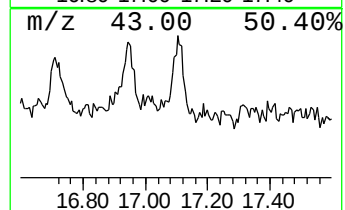
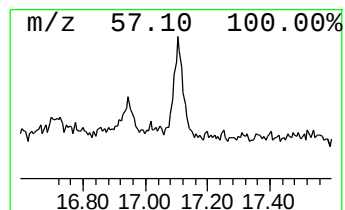
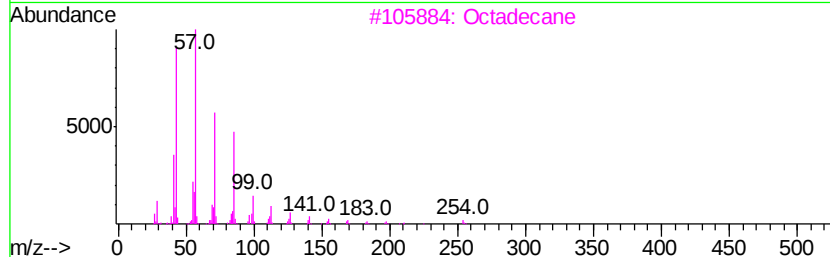
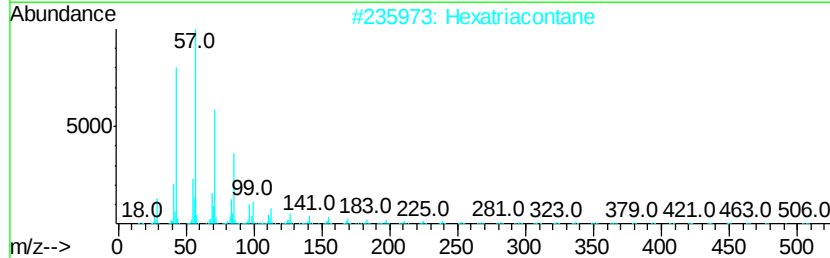
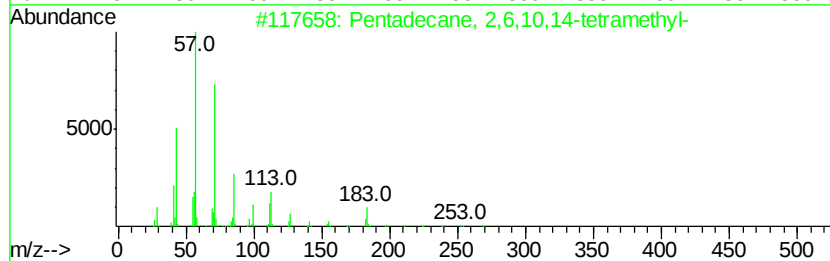
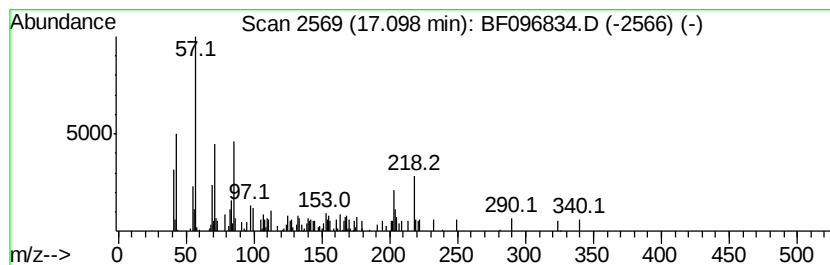
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 unknown17.10 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.10	7.08 ng	172523	Perylene-d12	15.11

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	35
2			Hexatriacontane	507	C36H74	000630-06-8	27
3			Octadecane	254	C18H38	000593-45-3	27
4			Eicosane	282	C20H42	000112-95-8	25
5			Heptane, 2,2,3,3,5,6,6-heptamethyl-	198	C14H30	007225-67-4	22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071717\
 Data File : BF096834.D
 Acq On : 17 Jul 2017 22:05
 Operator : SJ/JU
 Sample : I4216-07
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VITALE-TOPSOIL-1A

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.80	10.1 ng		303920	1	6.61	603097	20.0
unknown6.39	6.39	91.4 ng		2756920	1	6.61	603097	20.0
Heptafluorobutyri...	13.60	6.1 ng		195138	5	13.74	644055	20.0
Tritetracontane	14.23	4.1 ng		132959	5	13.74	644055	20.0
1,3-Benzenedicarb...	14.38	2.7 ng		86090	5	13.74	644055	20.0
Pentadecane	14.52	4.3 ng		104906	6	15.11	487105	20.0
Octadecanal	14.65	5.8 ng		141081	6	15.11	487105	20.0
Octacosane	14.83	8.8 ng		214824	6	15.11	487105	20.0
Docosane	15.16	6.3 ng		154076	6	15.11	487105	20.0
unknown15.33	15.33	2.9 ng		69454	6	15.11	487105	20.0
Heptacosane	15.54	11.1 ng		269189	6	15.11	487105	20.0
unknown15.73	15.73	4.6 ng		111099	6	15.11	487105	20.0
unknown15.92	15.92	5.8 ng		140061	6	15.11	487105	20.0
Heneicosane	15.98	6.2 ng		151690	6	15.11	487105	20.0
Heptadecane, 9-oc...	16.50	5.7 ng		138831	6	15.11	487105	20.0
unknown16.71	16.71	7.3 ng		178555	6	15.11	487105	20.0
unknown16.94	16.94	6.8 ng		165777	6	15.11	487105	20.0
unknown17.10	17.10	7.1 ng		172523	6	15.11	487105	20.0