

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
 Data File : BF097697.D
 Acq On : 15 Aug 2017 18:06
 Operator : SJ/JU
 Sample : I4754-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMP

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-BF081517.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	4.981	487	492	500	rVB	230655	276625	9.15%	0.791%
2	5.387	555	561	564	rBV	2837061	2741463	90.73%	7.838%
3	6.410	728	735	739	rBV	2733052	3021618	100.00%	8.639%
4	6.551	754	759	762	rBV	2629638	2794902	92.50%	7.991%
5	6.781	794	798	801	rBV	1063916	842421	27.88%	2.408%
6	6.940	821	825	828	rVB	2329637	2031495	67.23%	5.808%
7	7.345	888	894	897	rBV	1778135	1770697	58.60%	5.062%
8	8.063	1012	1016	1019	rBV	1412001	1143801	37.85%	3.270%
9	9.139	1195	1199	1203	rBV	2784530	2579047	85.35%	7.374%
10	9.534	1262	1266	1269	rBV	486614	372946	12.34%	1.066%
11	9.816	1310	1314	1318	rBV2	1432398	1244316	41.18%	3.558%
12	10.257	1386	1389	1392	rVB	62735	44770	1.48%	0.128%
13	10.604	1443	1448	1451	rBV	1848349	1826835	60.46%	5.223%
14	10.728	1466	1469	1477	rBV	122905	110107	3.64%	0.315%
15	11.180	1543	1546	1548	rVB	35917	31532	1.04%	0.090%
16	11.298	1562	1566	1569	rBV	1541046	1292913	42.79%	3.696%
17	11.763	1641	1645	1648	rBV2	45558	48234	1.60%	0.138%
18	11.839	1654	1658	1662	rBV	331491	350118	11.59%	1.001%
19	11.998	1680	1685	1686	rBV4	28527	30933	1.02%	0.088%
20	12.551	1773	1779	1782	rBV4	41786	77184	2.55%	0.221%
21	12.622	1787	1791	1796	rBV	140202	141321	4.68%	0.404%
22	12.716	1804	1807	1814	rVB3	41440	53363	1.77%	0.153%
23	12.886	1832	1836	1840	rBV	2430206	2276892	75.35%	6.510%
24	12.927	1840	1843	1846	rVB	93772	79897	2.64%	0.228%
25	13.104	1869	1873	1875	rBV2	43460	46074	1.52%	0.132%
26	13.133	1875	1878	1881	rVB	78645	73272	2.42%	0.209%
27	13.292	1902	1905	1908	rBV2	187076	186216	6.16%	0.532%
28	13.339	1911	1913	1915	rVV	38356	34144	1.13%	0.098%
29	13.369	1915	1918	1919	rVV	108896	105247	3.48%	0.301%
30	13.392	1919	1922	1926	rVB	429399	410452	13.58%	1.173%
31	13.439	1926	1930	1935	rBV5	53695	72504	2.40%	0.207%
32	13.786	1986	1989	1996	rBV	325937	344132	11.39%	0.984%
33	13.933	2009	2014	2017	rBV	977124	982876	32.53%	2.810%
34	14.116	2042	2045	2048	rBV5	27921	32117	1.06%	0.092%

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35	14.186	2054	2057	2060	rVB	76727	61754	2.04%	0.177%
36	14.427	2094	2098	2104	rBV	234719	245804	8.13%	0.703%
37	15.057	2201	2205	2206	rBV	90148	103361	3.42%	0.296%
38	15.133	2215	2218	2221	rVB	50940	53543	1.77%	0.153%
39	15.363	2251	2257	2262	rBV	602772	735978	24.36%	2.104%
40	15.421	2265	2267	2271	rVV3	27127	31354	1.04%	0.090%
41	15.845	2335	2339	2343	rBV	63350	101597	3.36%	0.290%
42	15.886	2343	2346	2350	rVV2	64416	89595	2.97%	0.256%
43	15.968	2355	2360	2366	rVB2	291079	452743	14.98%	1.294%
44	16.051	2370	2374	2379	rBV5	42417	65071	2.15%	0.186%
45	16.210	2397	2401	2406	rVB8	41962	70009	2.32%	0.200%
46	16.727	2485	2489	2494	rBV4	56280	91074	3.01%	0.260%
47	16.798	2495	2501	2512	rVB3	194690	395894	13.10%	1.132%
48	17.098	2547	2552	2563	rVB5	78983	201953	6.68%	0.577%
49	17.198	2563	2569	2580	rVB2	108062	220286	7.29%	0.630%
50	17.345	2587	2594	2602	rBV2	392850	911300	30.16%	2.605%
51	17.427	2602	2608	2619	rVB4	324342	809768	26.80%	2.315%
52	17.562	2626	2631	2640	rVB7	49331	127057	4.20%	0.363%
53	17.662	2642	2648	2654	rBV2	198524	396261	13.11%	1.133%
54	17.786	2665	2669	2674	rBV4	44054	98035	3.24%	0.280%
55	17.904	2682	2689	2698	rVB8	103200	304230	10.07%	0.870%
56	18.033	2705	2711	2718	rBV6	55637	122705	4.06%	0.351%
57	18.121	2719	2726	2727	rBV6	65141	125763	4.16%	0.360%
58	18.256	2744	2749	2756	rVB6	104261	242659	8.03%	0.694%
59	18.333	2756	2762	2776	rVB9	83684	234960	7.78%	0.672%
60	19.162	2897	2903	2918	rVB7	138964	424434	14.05%	1.213%
61	19.333	2923	2932	2950	rVB5	228023	789465	26.13%	2.257%

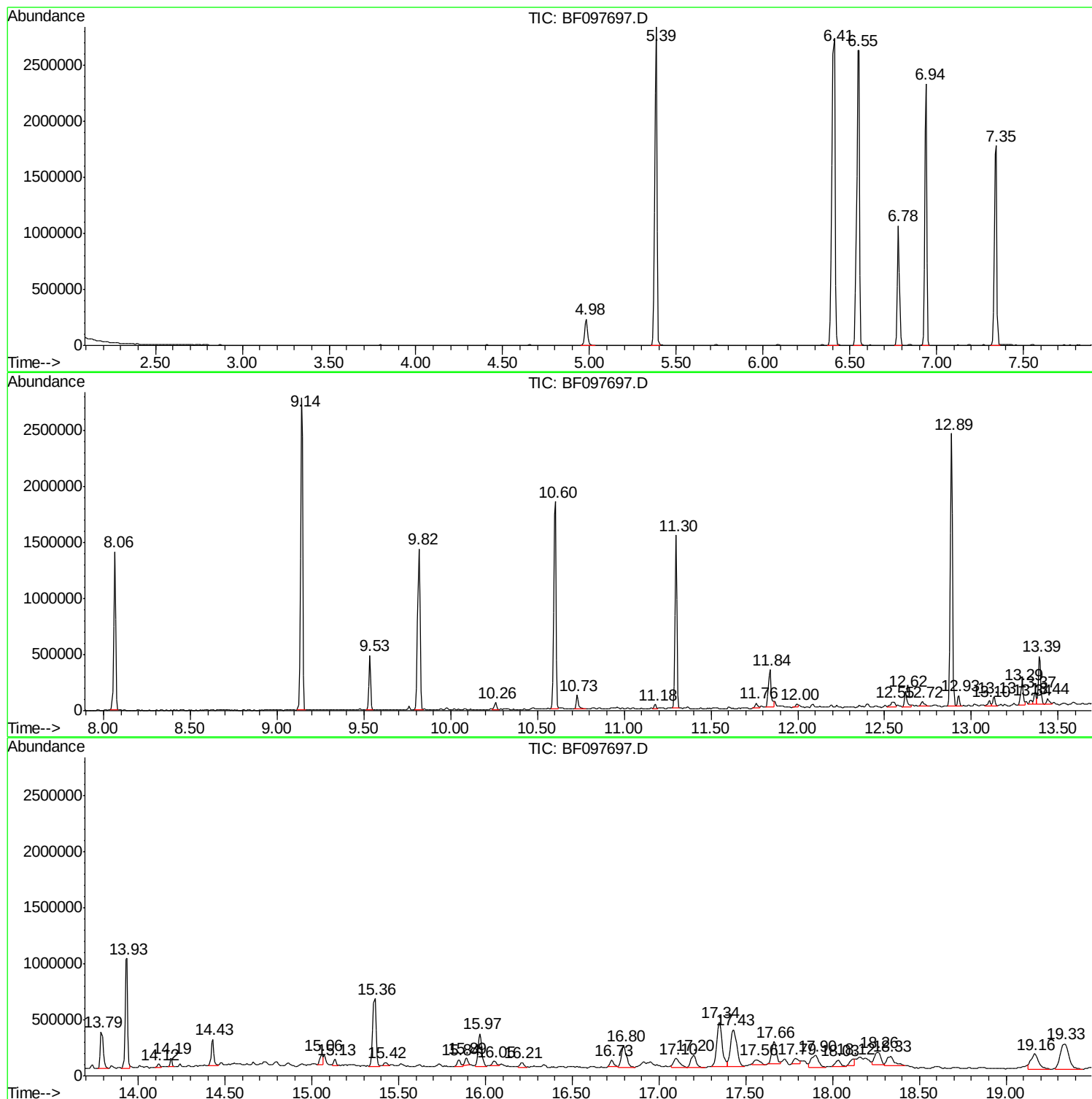
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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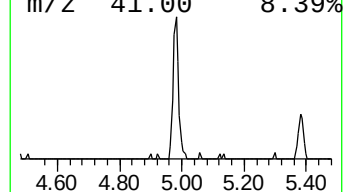
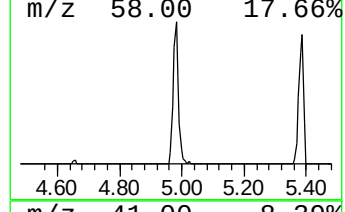
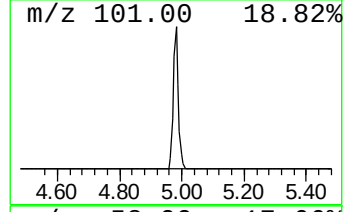
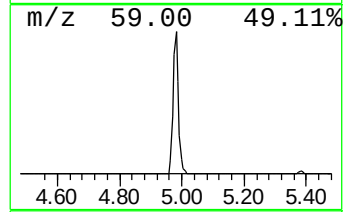
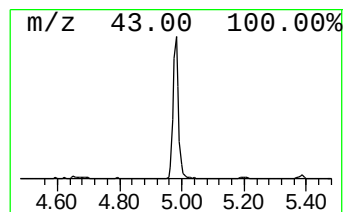
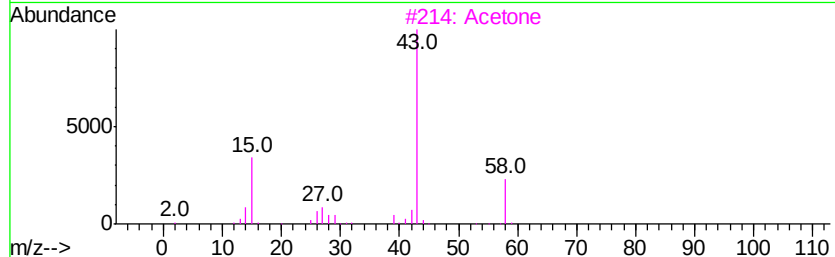
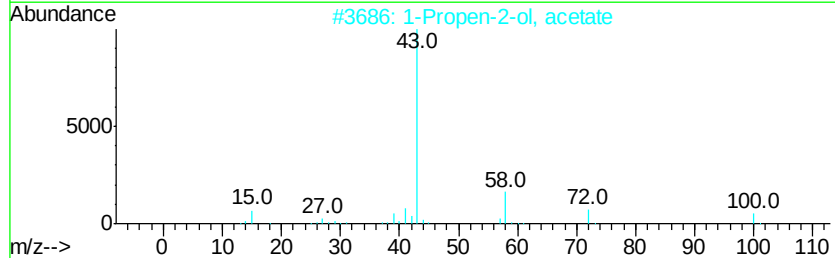
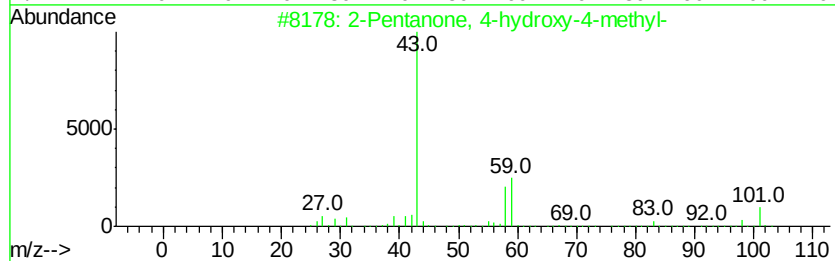
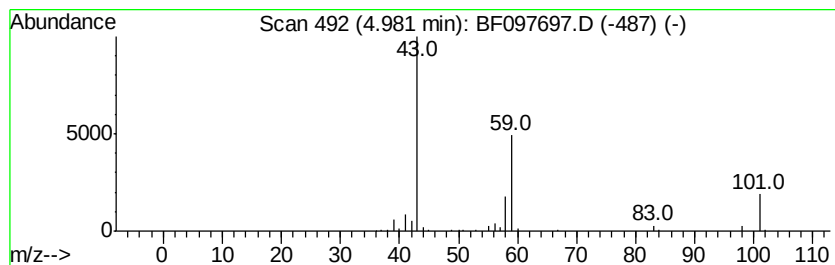
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
4.98	6.57 ng	276625	1,4-Dichlorobenzene-d4	6.78	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
3	Acetone	58	C3H6O	000067-64-1	9
4	Allyl acetate	100	C5H8O2	000591-87-7	9
5	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	9



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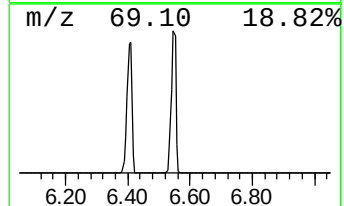
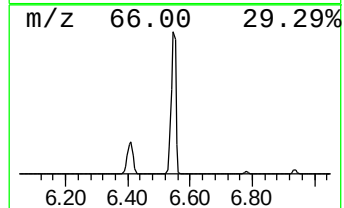
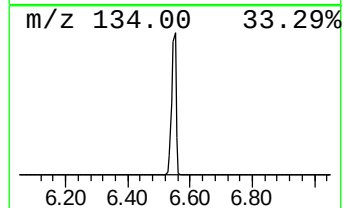
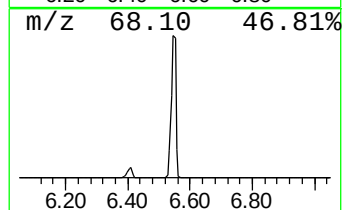
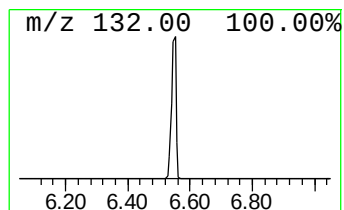
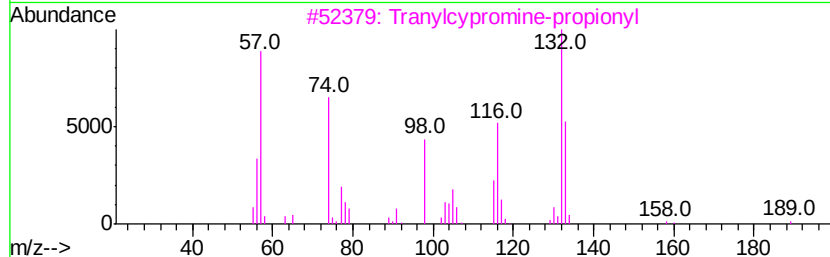
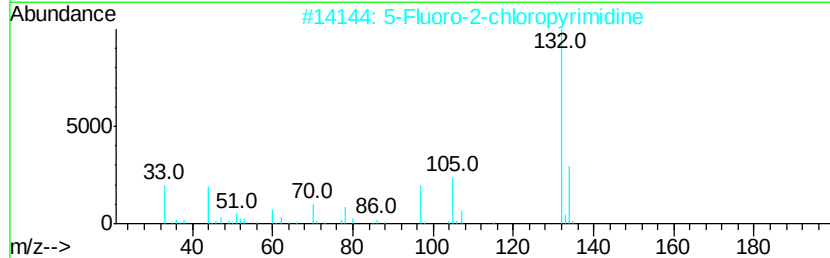
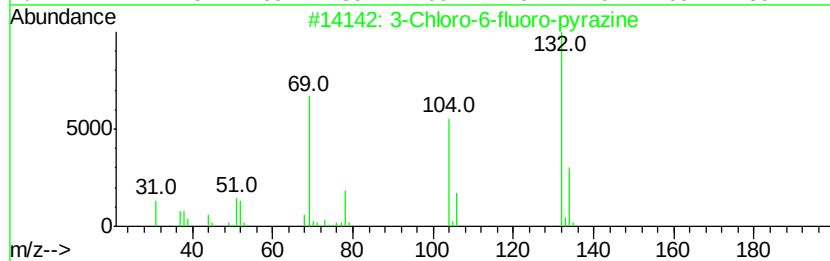
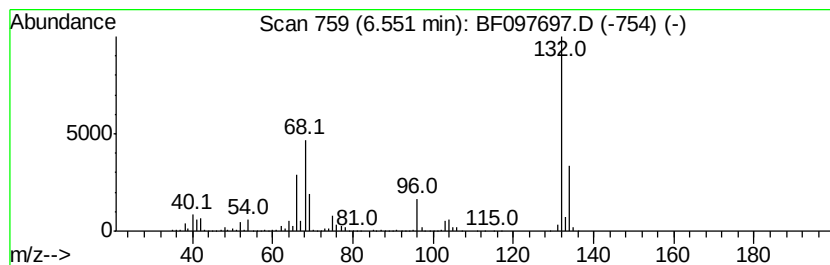
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.55 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.55	66.35 ng	2794900	1,4-Dichlorobenzene-d4	6.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	27
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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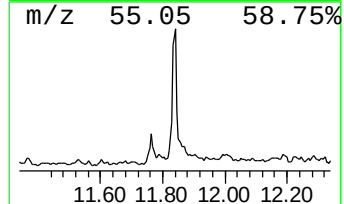
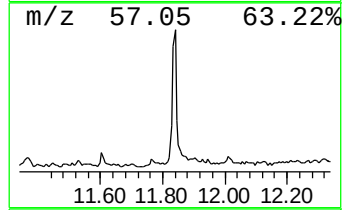
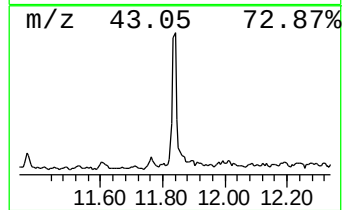
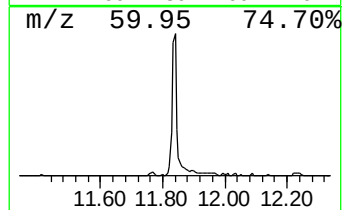
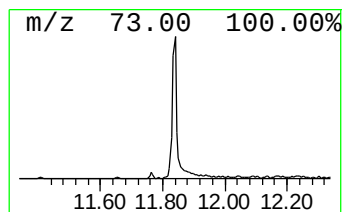
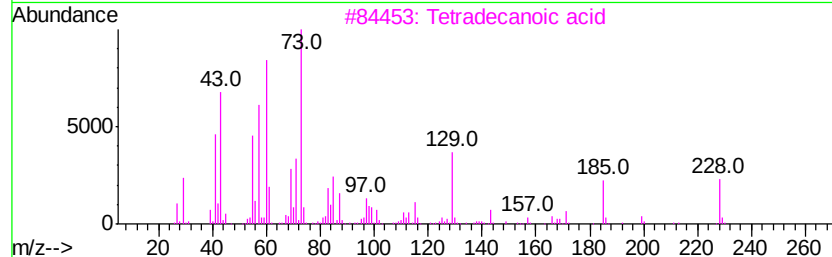
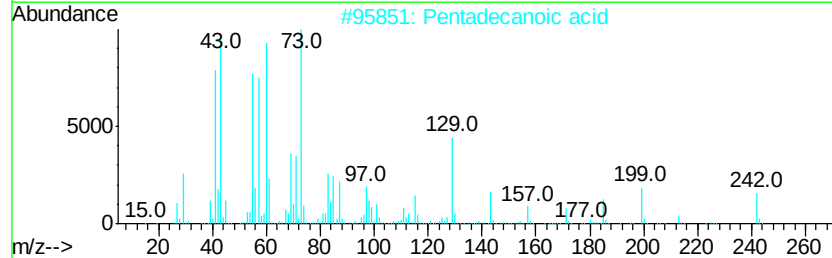
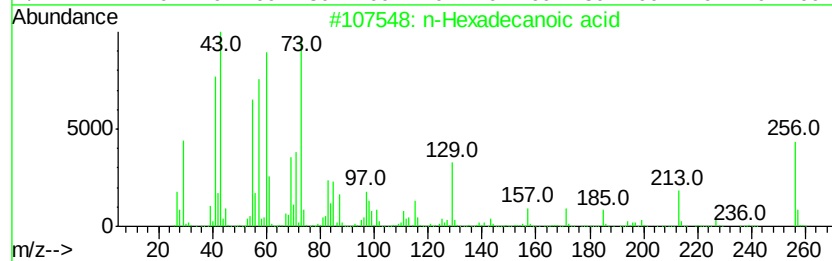
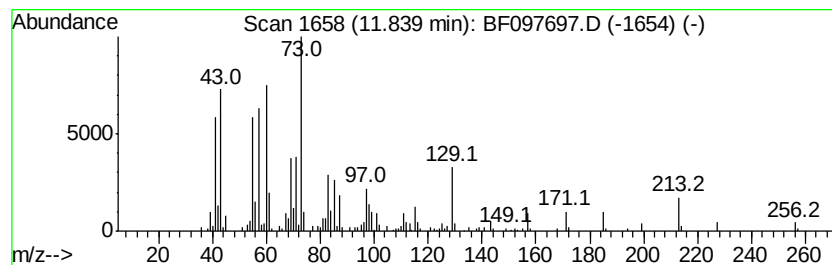
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 n-Hexadecanoic acid Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.84	5.42 ng	350118	Phenanthrene-d10	11.30	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
4	Oxalic acid, allyl octadecyl ester	382	C23H42O4	1000309-24-5	35
5	Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	20



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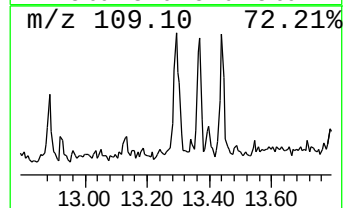
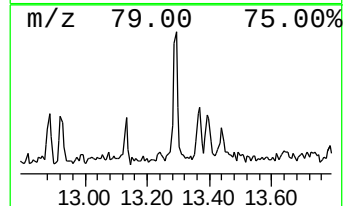
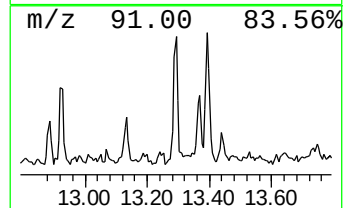
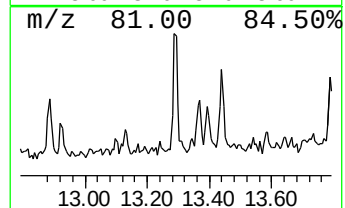
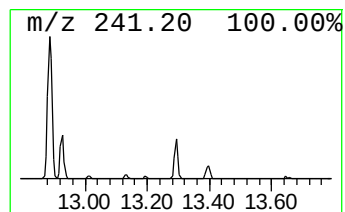
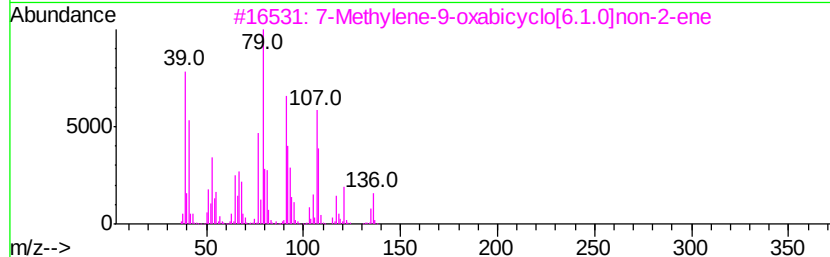
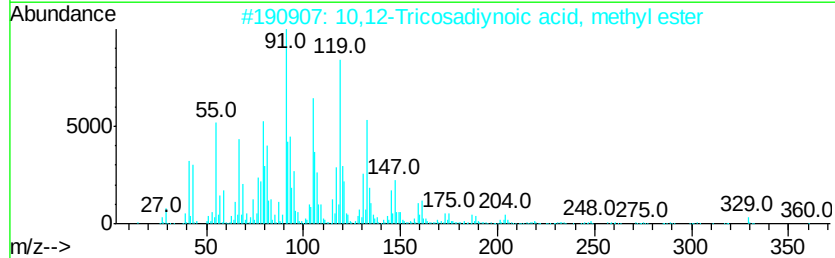
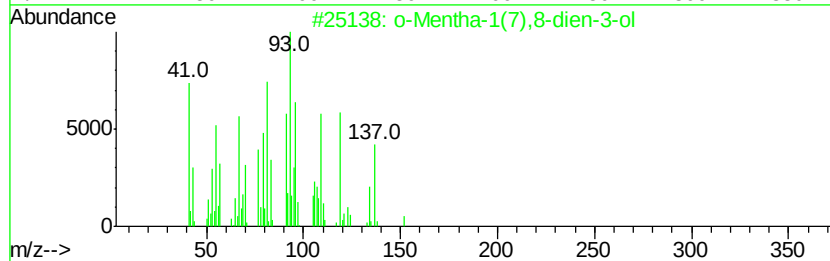
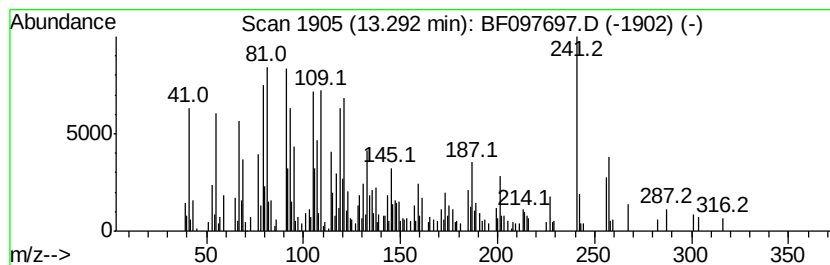
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 unknown13.29 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	3.79 ng	186216	Chrysene-d12	13.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	o-Mentha-1(7),8-dien-3-ol	152	C10H16O	015358-81-3	35
2		10,12-Tricosadiynoic acid, methy...	360	C24H40O2	1000333-59-4	25
3		7-Methylene-9-oxabicyclo[6.1.0]n...	136	C9H12O	264628-23-1	25
4		3-Tetradecen-5-yne, (E)-	192	C14H24	074744-44-8	25
5		3-Oxatricyclo[3.2.1.0(2,4)]octan...	110	C7H10O	003146-39-2	22



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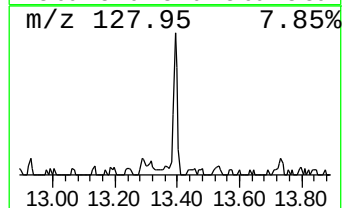
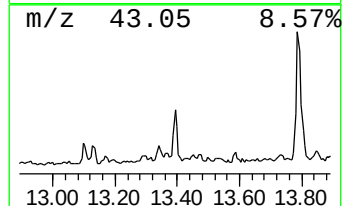
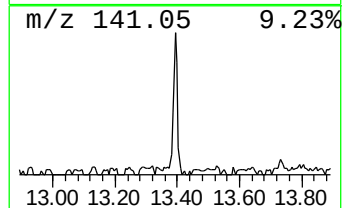
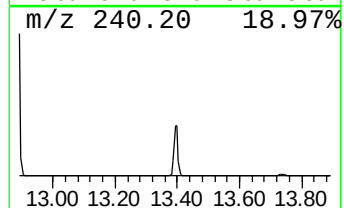
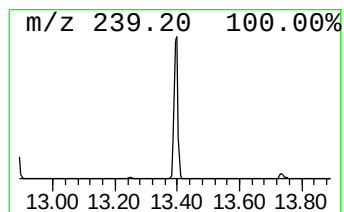
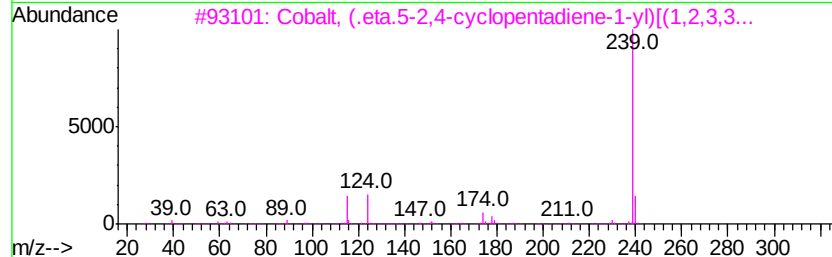
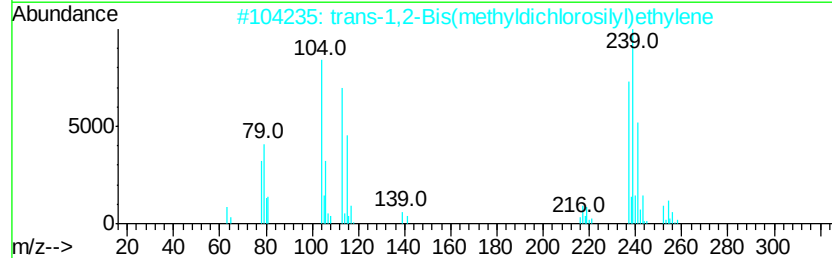
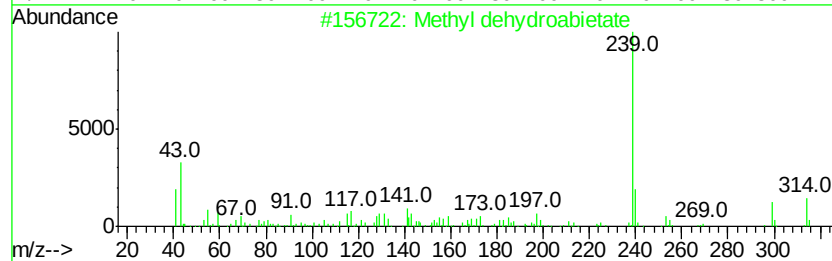
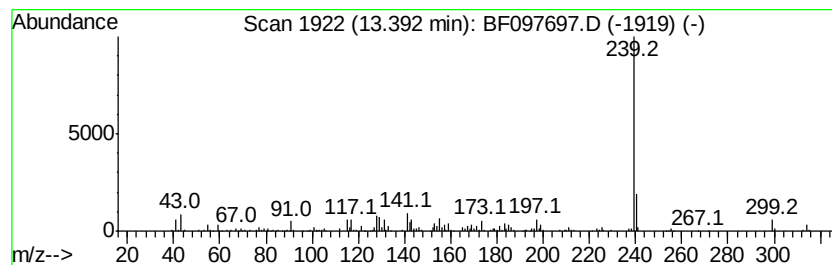
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Methyl dehydroabietate Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.39	8.35 ng	410452	Chrysene-d12	13.93		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Methyl dehydroabietate	314	C21H30O2	001235-74-1	94
2		trans-1,2-Bis(methyldichlorosilyl)ethylen...	252	C4H8Cl4Si2	065899-10-7	70
3		Cobalt, (.eta.5-2,4-cyclopentadienyl)(1,2,3,3...	239	C14H12Co	088242-61-9	59
4		9,10-Anthracenedione, 2-amino-3-...	239	C14H9NO3	000117-77-1	53
5		9,10-Anthracenedione, 1-amino-4-...	239	C14H9NO3	000116-85-8	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
Data File : BF097697.D
Acq On : 15 Aug 2017 18:06
Operator : SJ/JU
Sample : I4754-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

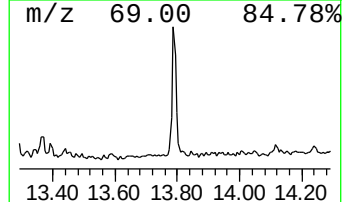
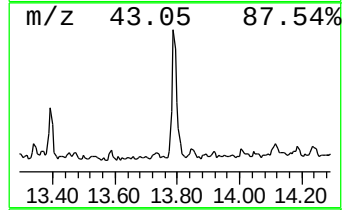
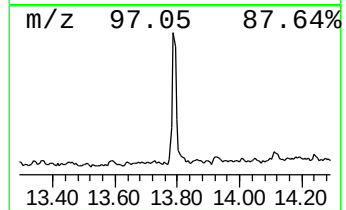
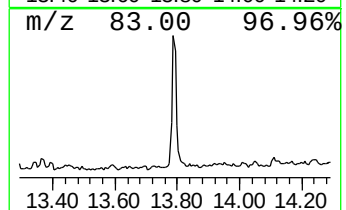
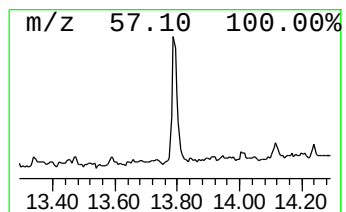
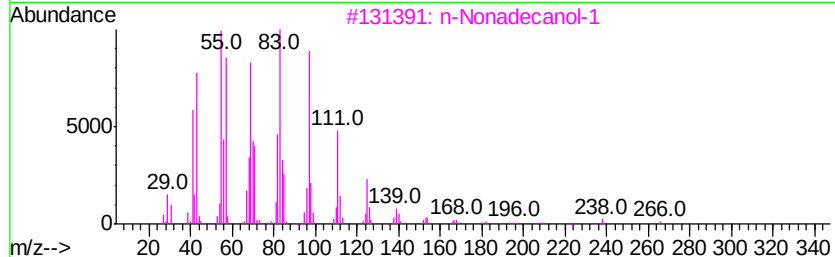
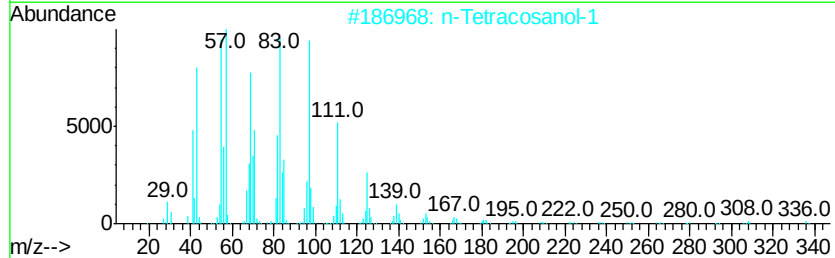
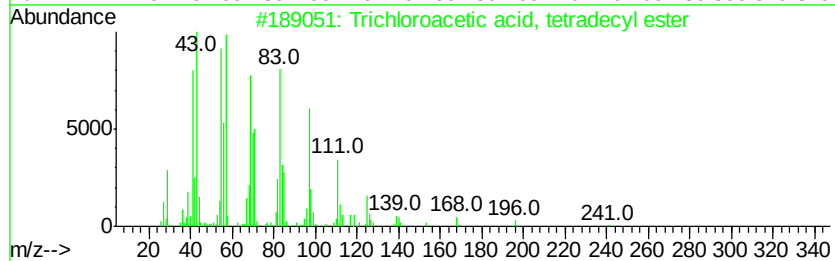
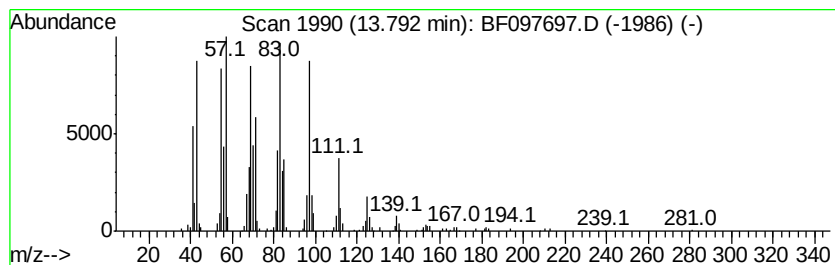
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Trichloroacetic acid, tetra... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.79	7.00 ng	344132	Chrysene-d12	13.93	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, tetradecyl...	358	C16H29Cl3O2	074339-52-9	91
2	n-Tetracosanol-1	354	C24H50O	000506-51-4	91
3	n-Nonadecanol-1	284	C19H40O	001454-84-8	91
4	Bromoacetic acid, hexadecyl ester	362	C18H35BrO2	005454-48-8	91
5	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
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Acq On : 15 Aug 2017 18:06
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ALS Vial : 12 Sample Multiplier: 1

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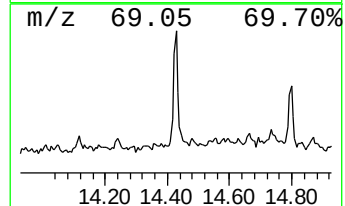
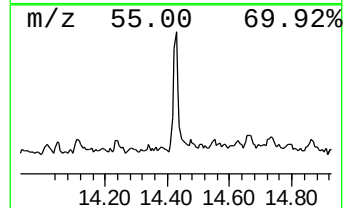
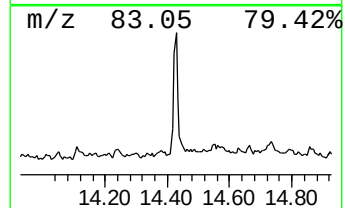
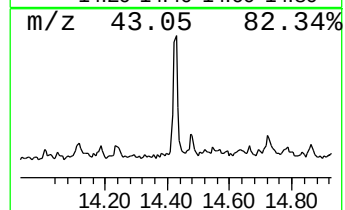
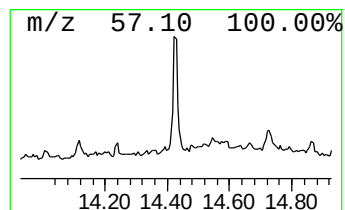
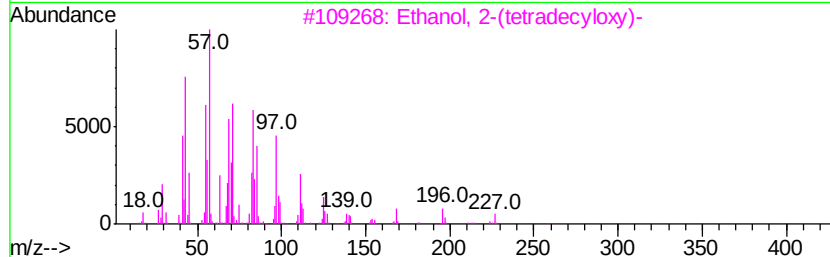
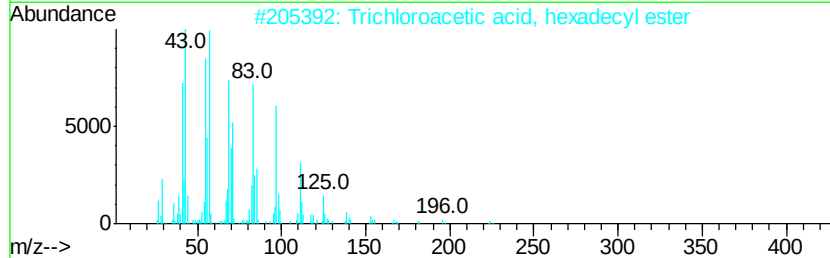
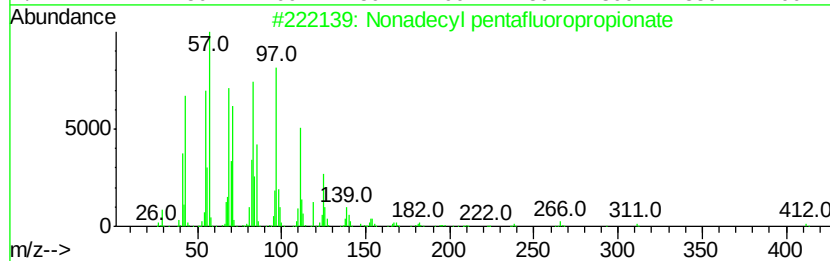
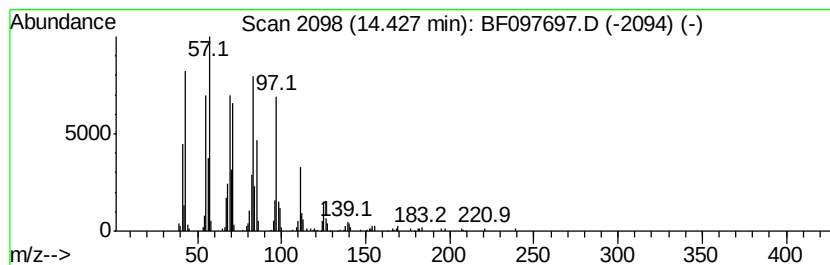
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Nonadecyl pentafluoropropio... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	5.00 ng	245804	Chrysene-d12	13.93

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	91
2		Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	90
3		Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	87
4		Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	87
5		1-Docosene	308	C22H44	001599-67-3	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081517\
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Operator : SJ/JU
Sample : I4754-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

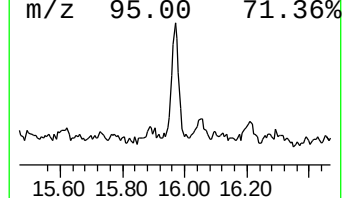
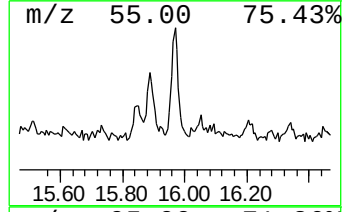
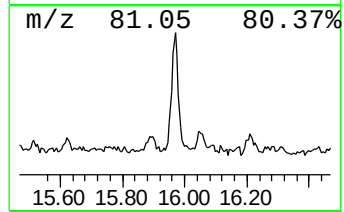
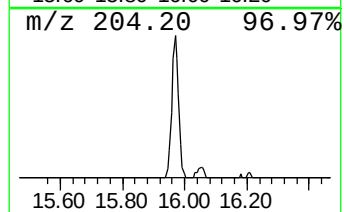
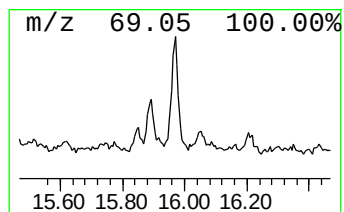
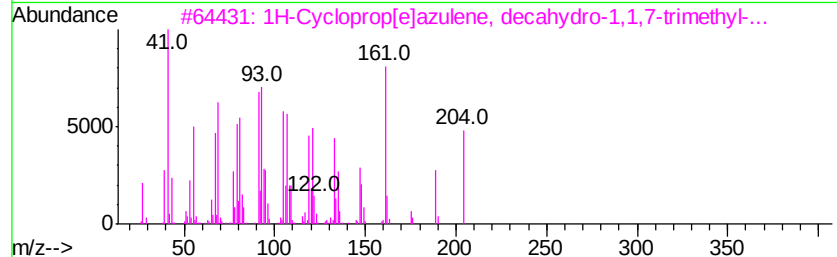
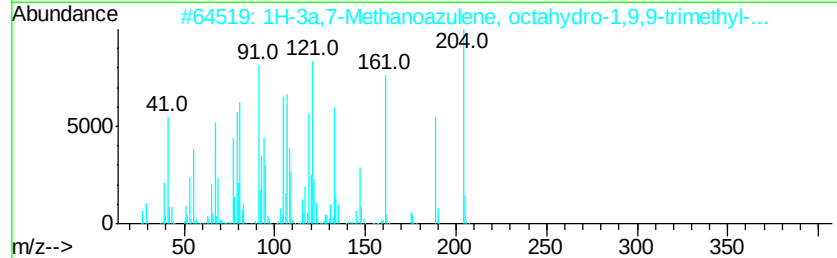
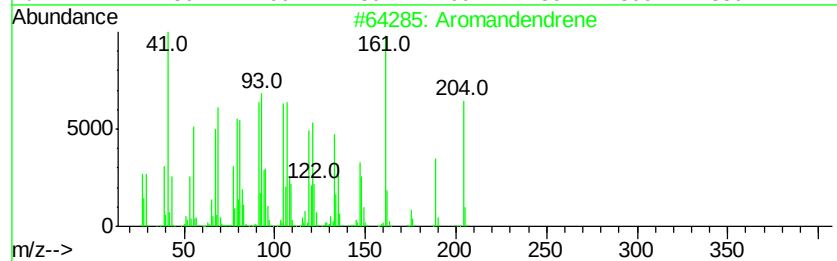
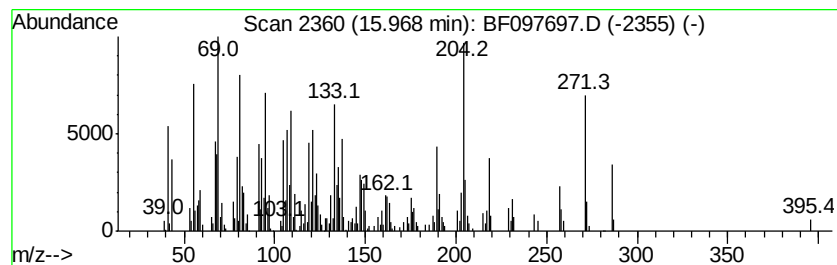
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Aromandendrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	12.30 ng	452743	Perylene-d12	15.36
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Aromandendrene	204	C15H24	000489-39-4 89
2	1H-3a,7-Methanoazulene, octahydr...	204	C15H24	000508-55-4 70
3	1H-Cycloprop[elazulene, decahydr...	204	C15H24	072747-25-2 64
4	1,4-Dimethyl-8-isopropylidenetri...	204	C15H24	1000140-07-7 58
5	1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8 58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
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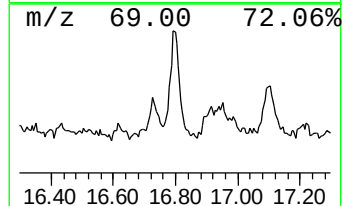
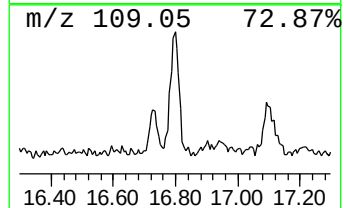
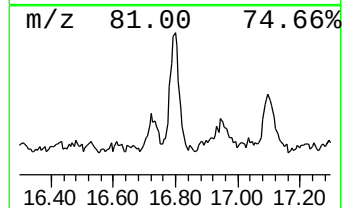
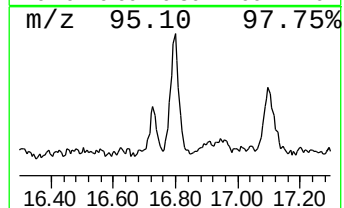
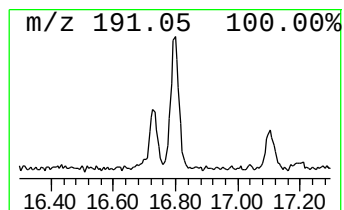
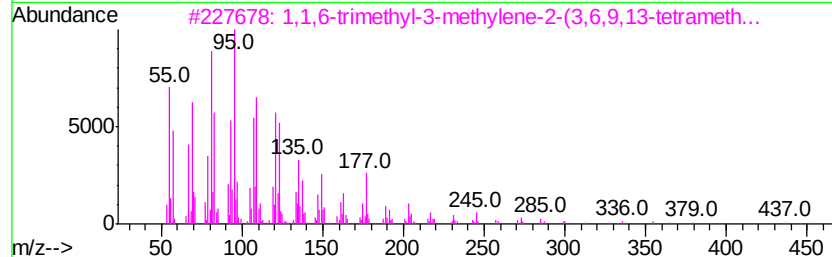
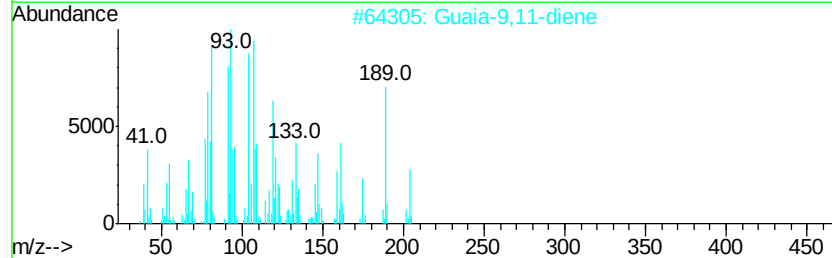
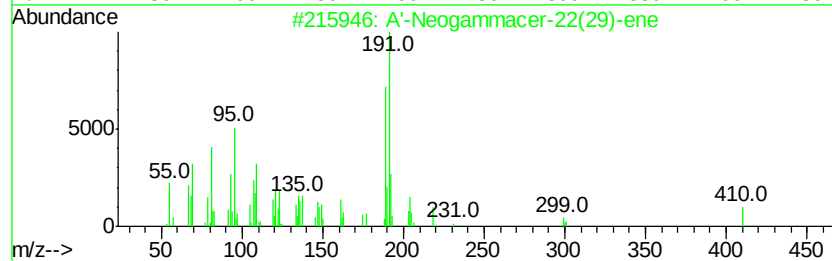
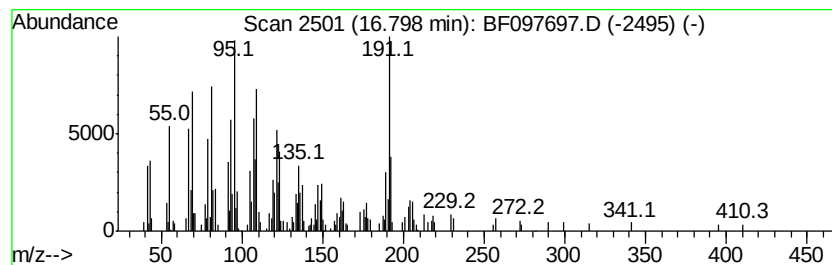
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 A'-Neogammacer-22(29)-ene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.80	10.76 ng	395894	Perylene-d12	15.36
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	A'-Neogammacer-22(29)-ene	410 C30H50	001615-91-4	93
2	Guaia-9,11-diene	204 C15H24	1000374-19-8	58
3	1,1,6-trimethyl-3-methylene-2-(3...	452 C33H56	1000373-94-5	58
4	2-Pentenoic acid, 5-(decahydro-5...	304 C20H32O2	024470-48-2	49
5	.alpha.-Bulnesene	204 C15H24	1000374-19-9	41



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081517\
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Acq On : 15 Aug 2017 18:06
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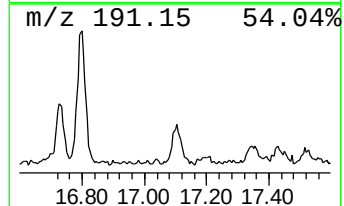
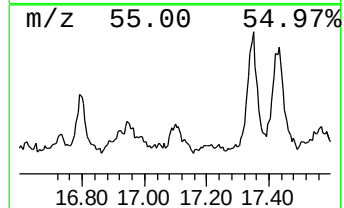
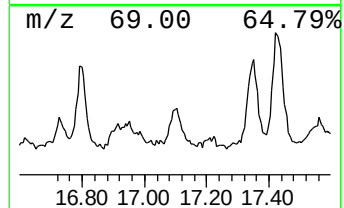
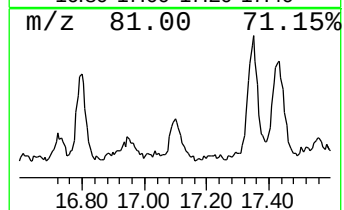
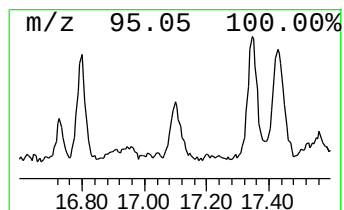
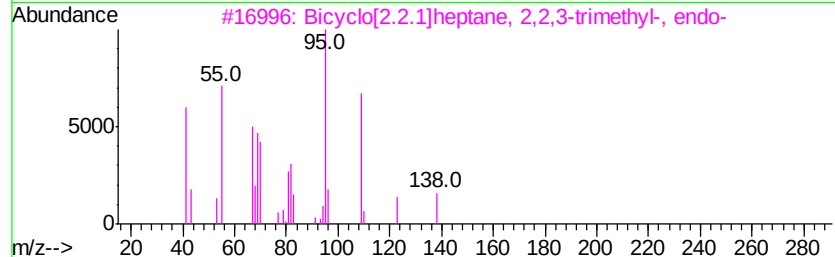
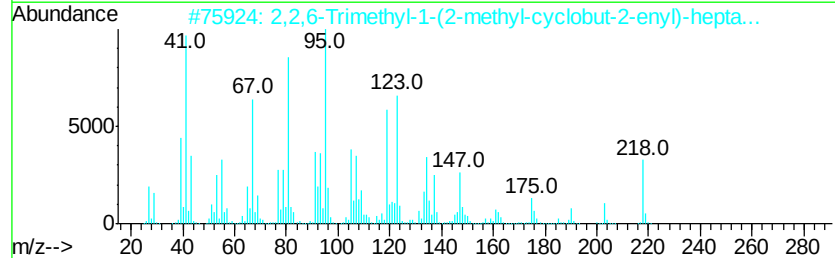
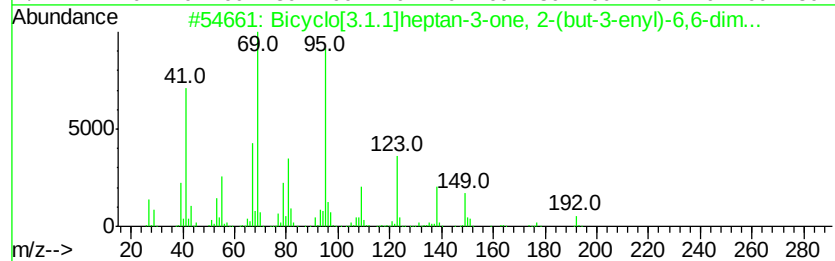
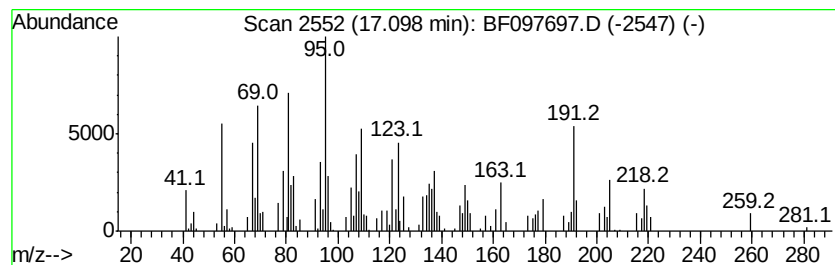
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 unknown17.10 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.10	5.49 ng	201953	Perylene-d12	15.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bicyclo[3.1.1]heptan-3-one, 2-(b...	192	C13H20O	1000163-96-1	43
2		2,2,6-Trimethyl-1-(2-methyl-cycl...	218	C15H22O	1000188-72-8	38
3		Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-40-7	38
4		Menthyl acetate	198	C12H22O2	000089-48-5	30
5		Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-41-8	30



Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
Data File : BF097697.D
Acq On : 15 Aug 2017 18:06
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ALS Vial : 12 Sample Multiplier: 1

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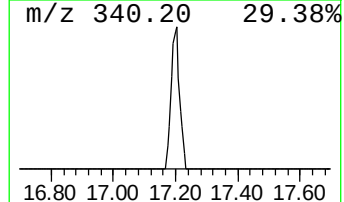
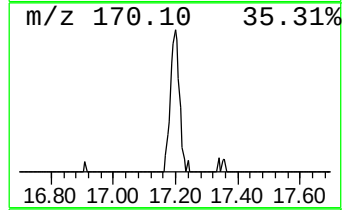
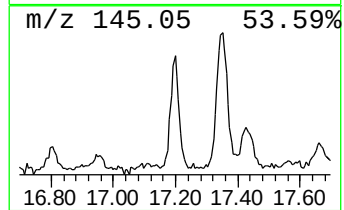
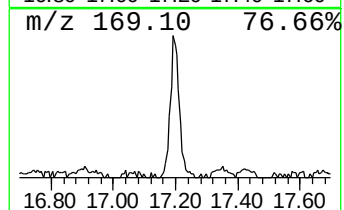
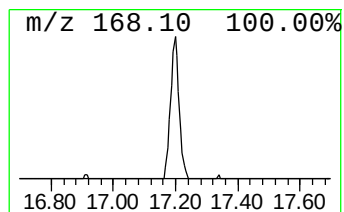
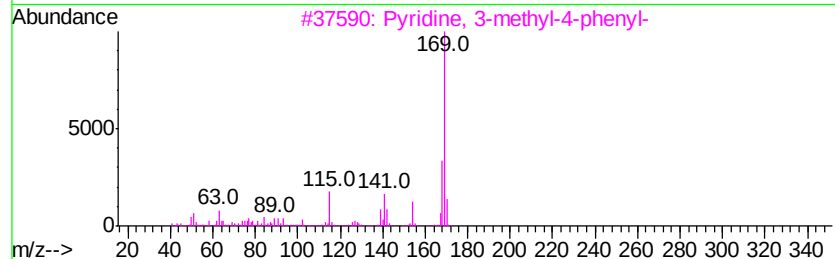
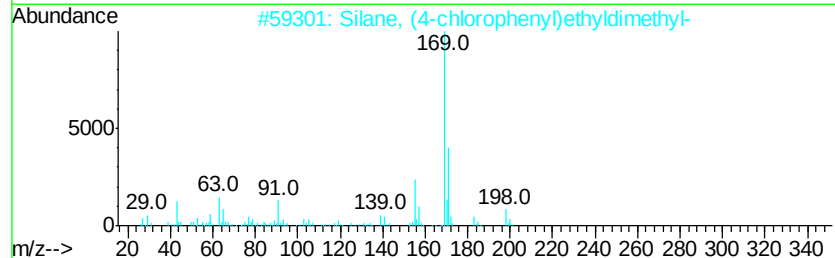
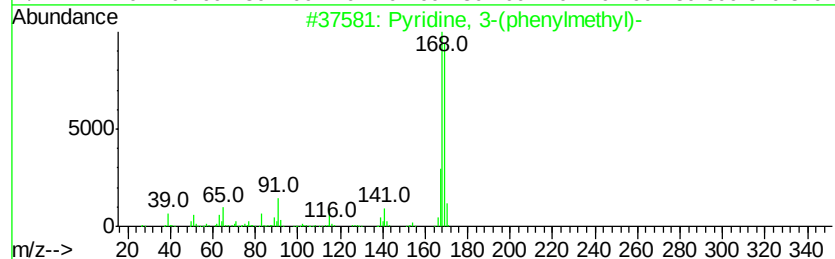
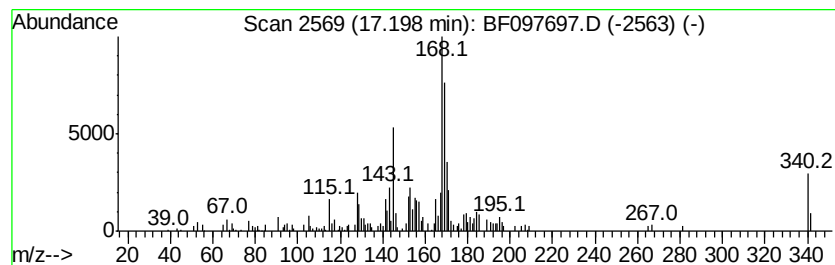
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown17.20 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.20	5.99 ng	220286	Perylene-d12	15.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyridine, 3-(phenylmethyl)-	169	C12H11N	000620-95-1	43
2		Silane, (4-chlorophenyl)ethyldim...	198	C10H15ClSi	032584-84-2	22
3		Pyridine, 3-methyl-4-phenyl-	169	C12H11N	002052-92-8	22
4		Benzaldehyde, m-chloro-, O-methy...	169	C8H8ClNO	033499-36-4	18
5		3,6-Diazahomoadamantan-9-ol	168	C9H16N2O	138023-21-9	18



Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
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Operator : SJ/JU
Sample : I4754-01
Misc :
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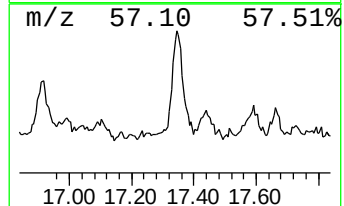
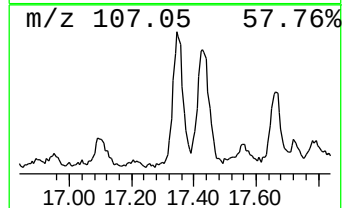
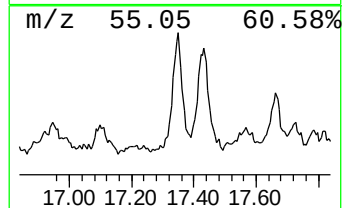
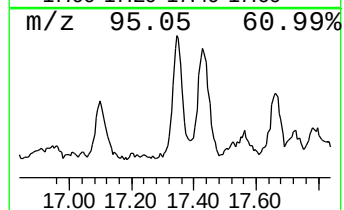
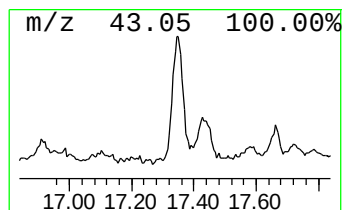
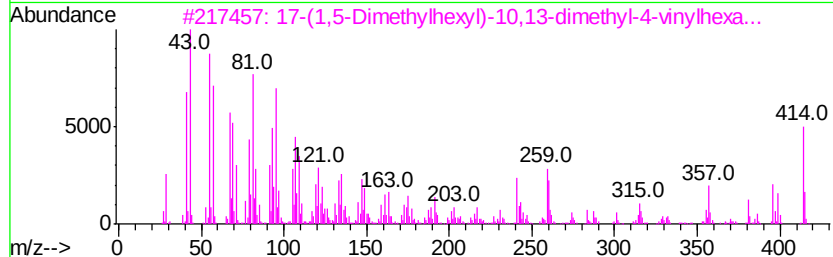
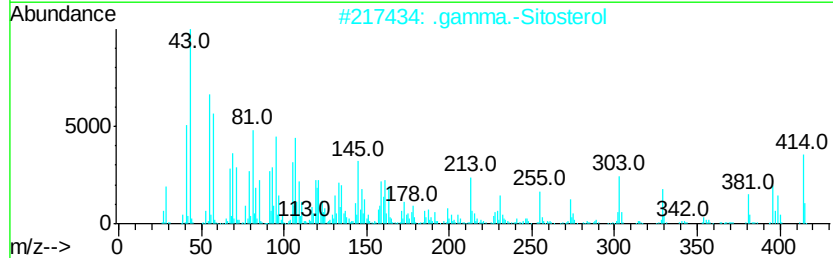
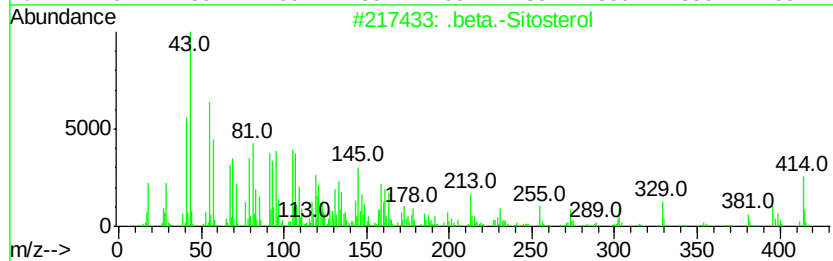
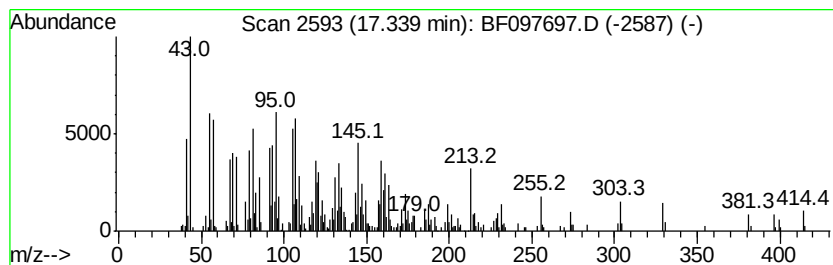
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 .beta.-Sitosterol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.		
17.34	24.76 ng	911300	Perylene-d12	15.36		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		.beta.-Sitosterol	414	C29H50O	000083-46-5	95
2		.gamma.-Sitosterol	414	C29H50O	000083-47-6	93
3		17-(1,5-Dimethylhexyl)-10,13-dim...	414	C29H50O	1000210-86-9	38
4		Methyl 12-acetyl-7-desoxycholate	448	C27H44O5	055547-48-3	25
5		Pregn-5-en-3-ol, 21-bromo-20-met...	394	C22H35BrO	055103-80-5	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081517\
Data File : BF097697.D
Acq On : 15 Aug 2017 18:06
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Sample : I4754-01
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ALS Vial : 12 Sample Multiplier: 1

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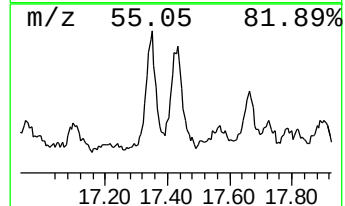
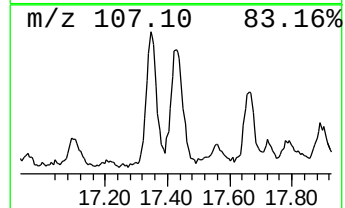
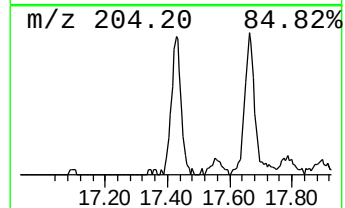
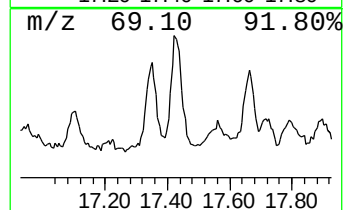
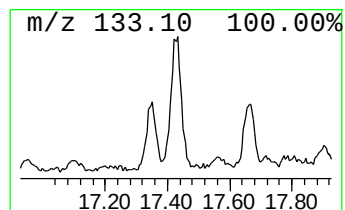
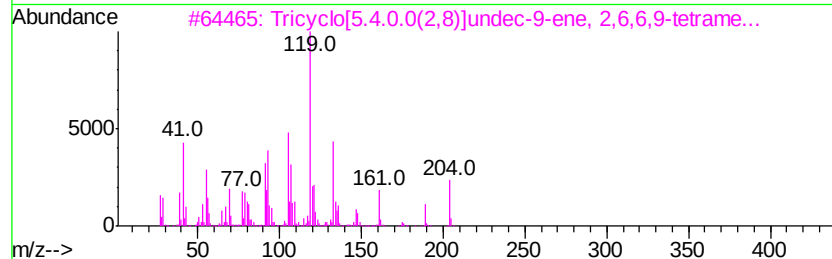
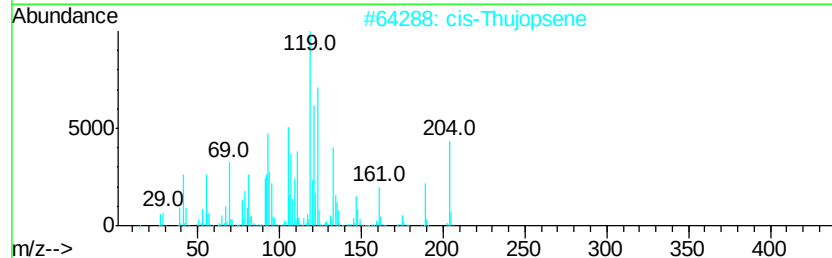
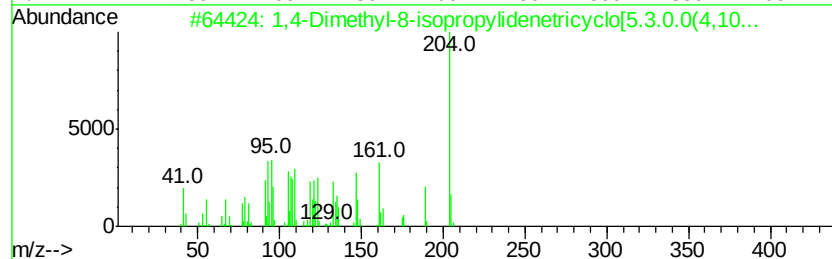
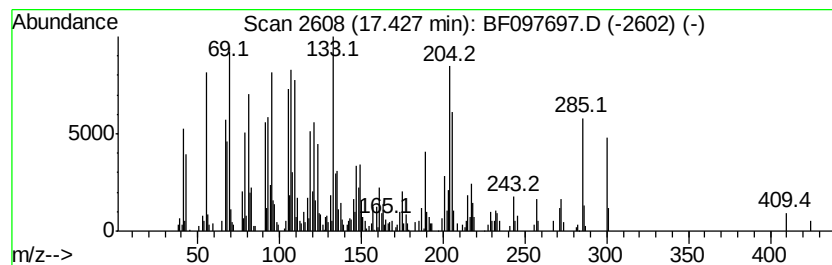
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown17.43 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.43	22.01 ng	809768	Perylene-d12	15.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,4-Dimethyl-8-isopropylidenetri...	204	C15H24	1000140-07-7	49
2		cis-Thuiopsene	204	C15H24	000470-40-6	49
3		Tricyclo[5.4.0.0(2,8)]undec-9-en...	204	C15H24	005989-08-2	46
4		Aromandendrene	204	C15H24	000489-39-4	45
5		Naphthalene, decahydro-4a-methyl...	204	C15H24	017066-67-0	45



Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
Data File : BF097697.D
Acq On : 15 Aug 2017 18:06
Operator : SJ/JU
Sample : I4754-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

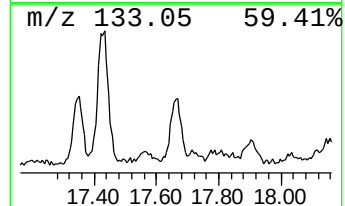
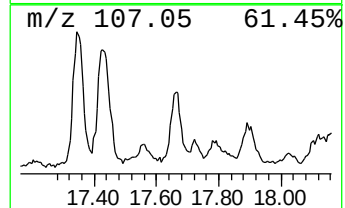
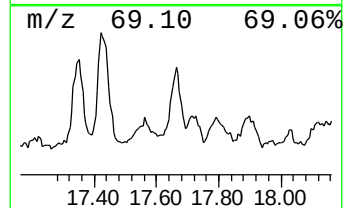
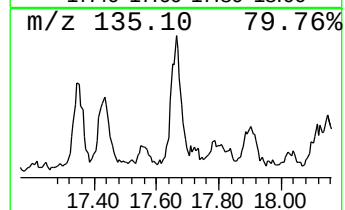
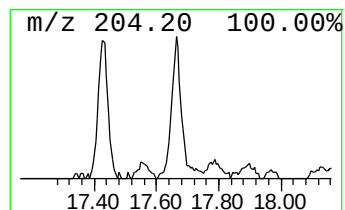
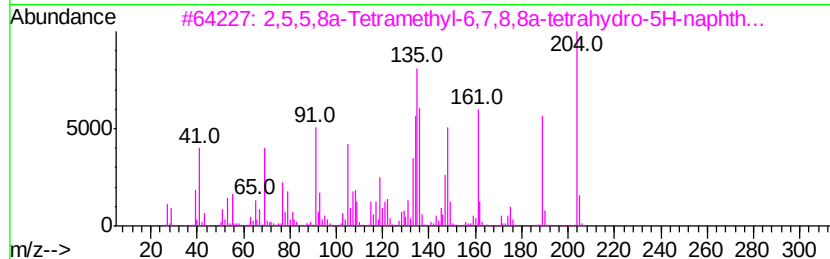
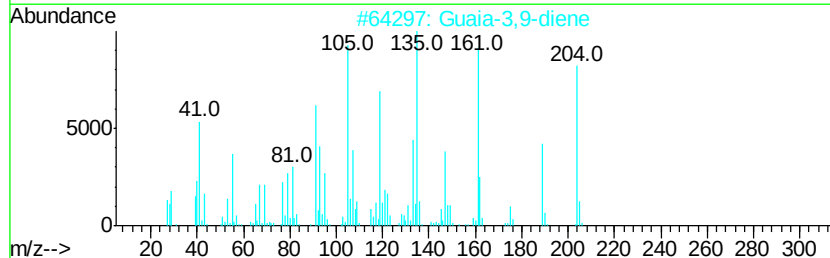
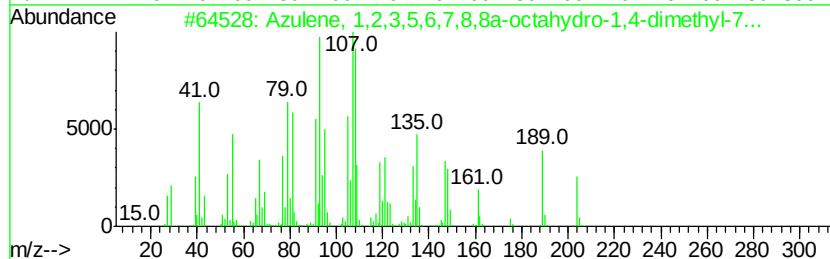
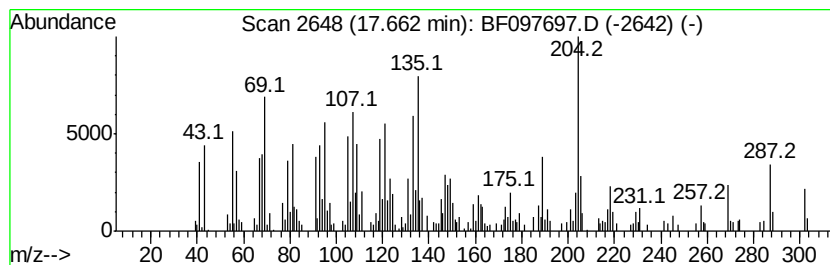
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Azulene, 1,2,3,5,6,7,8,8a-o... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.		
17.66	10.77 ng	396261	Perylene-d12	15.36		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Azulene, 1,2,3,5,6,7,8,8a-octahy...	204	C15H24	003691-11-0	58
2		Guaia-3,9-diene	204	C15H24	000489-83-8	58
3		2,5,5,8a-Tetramethyl-6,7,8,8a-te...	204	C14H20O	124957-09-1	49
4		Naphthalene, 1,2,3,5,6,7,8,8a-oc...	204	C15H24	004630-07-3	49
5		4,6,6-Trimethyl-2-(3-methylbuta-...	218	C15H22O	1000190-22-2	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081517\
Data File : BF097697.D
Acq On : 15 Aug 2017 18:06
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Misc :
ALS Vial : 12 Sample Multiplier: 1

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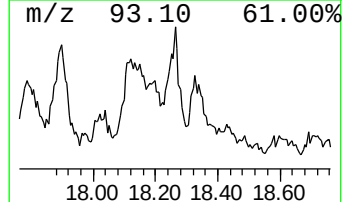
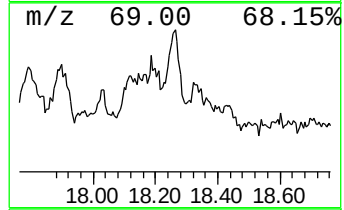
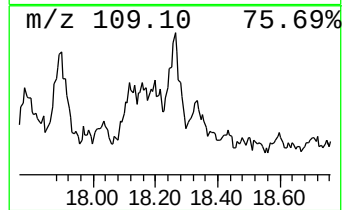
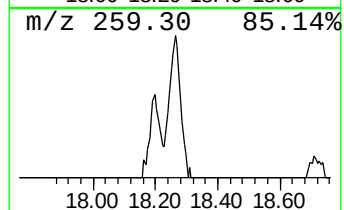
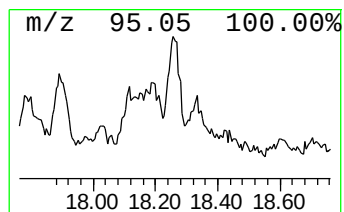
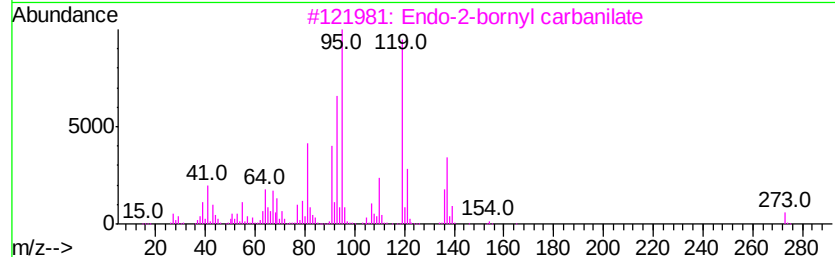
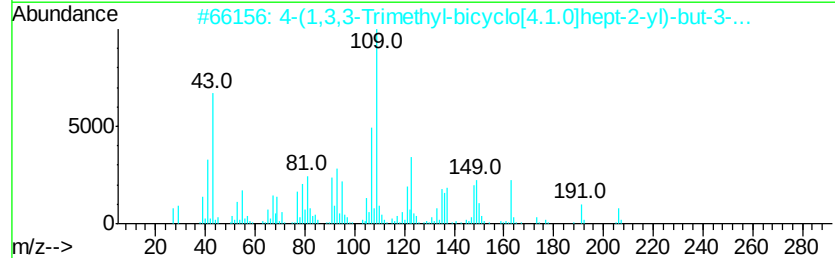
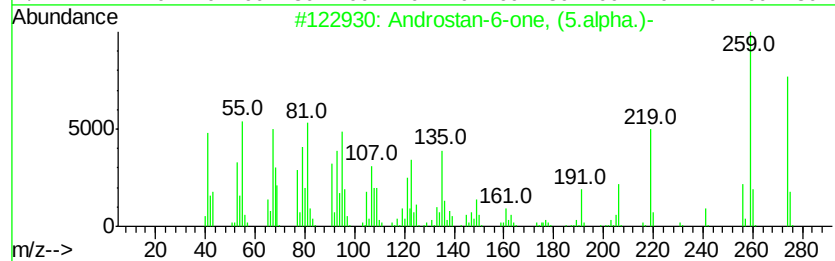
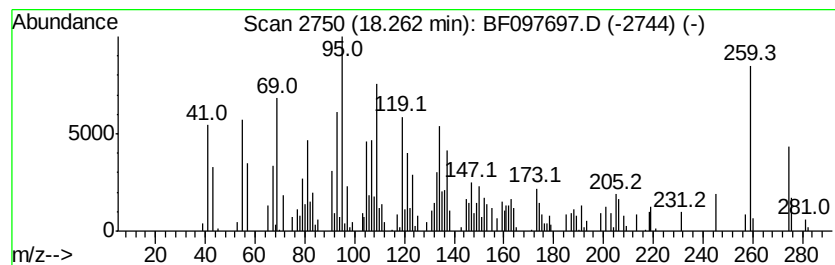
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown18.26 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	6.59 ng	242659	Perylene-d12	15.36

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Androstan-6-one, (5.alpha.)-	274	C19H30O	003676-06-0	42
2			4-(1,3,3-Trimethyl-bicyclo[4.1.0]hept-2-yl)-but-3-en-2-ol	206	C14H22O	077143-31-8	15
3			Endo-2-bornyl carbanilate	273	C17H23NO2	006907-15-9	15
4			6.beta.Bicyclo[4.3.0]nonane, 5.beta.	332	C15H25I	1000195-85-9	14
5			5-Octen-2-yn-4-ol	124	C8H12O	1000196-87-1	14



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081517\
Data File : BF097697.D
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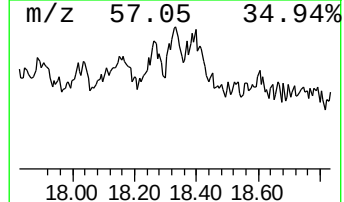
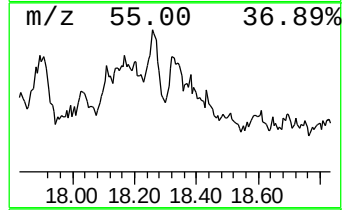
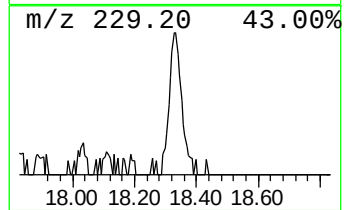
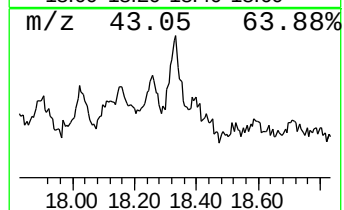
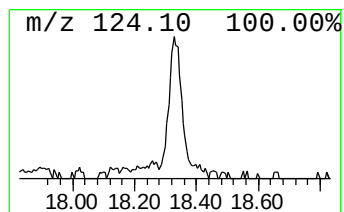
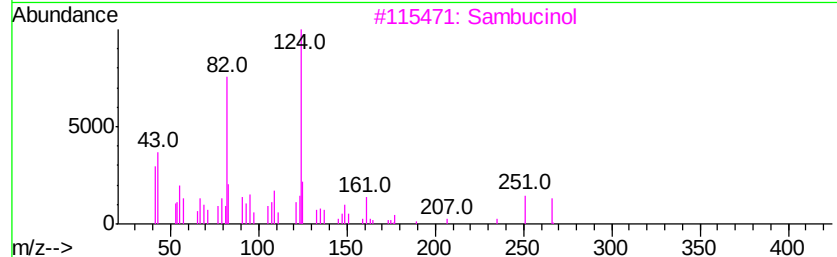
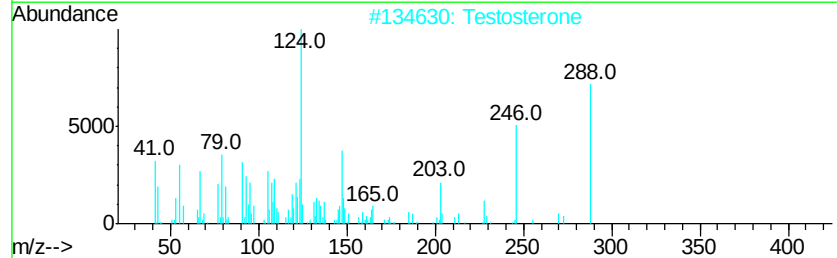
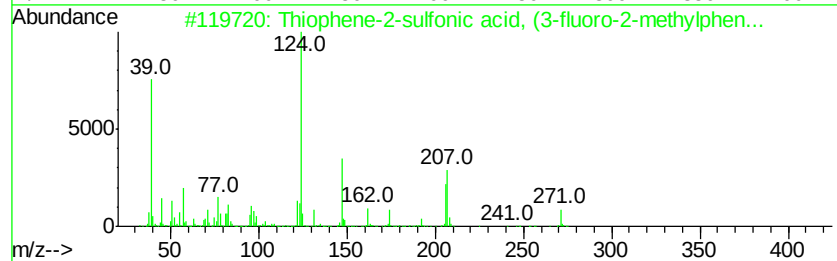
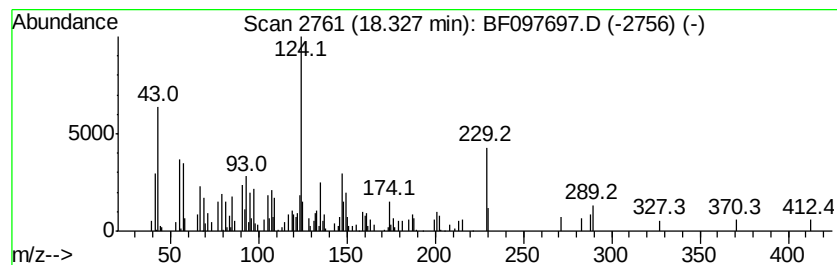
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown18.33 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	6.38 ng	234960	Perylene-d12	15.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Thiophene-2-sulfonic acid, (3-fl...	271	C11H10FN02S2	1000311-21-1	38
2		Testosterone	288	C19H28O2	000058-22-0	35
3		Sambucinol	266	C15H22O4	090044-33-0	27
4		3-(4-Fluoroanilino)-1-(3-nitroph...	288	C15H13FN2O3	350039-84-8	27
5		Hyoscyamine	289	C17H23NO3	000101-31-5	27



Data Path : Z:\HPCHEM1\BNA F\DATA\BF081517\
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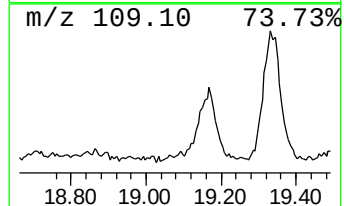
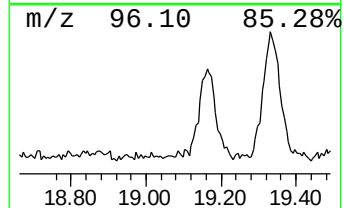
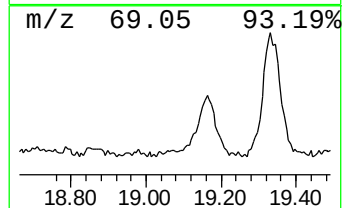
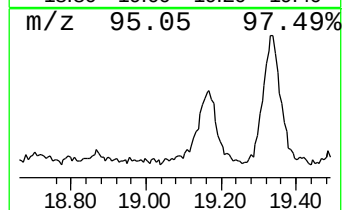
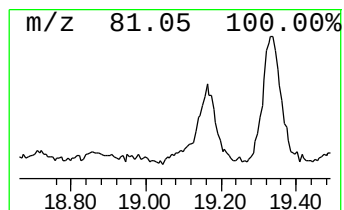
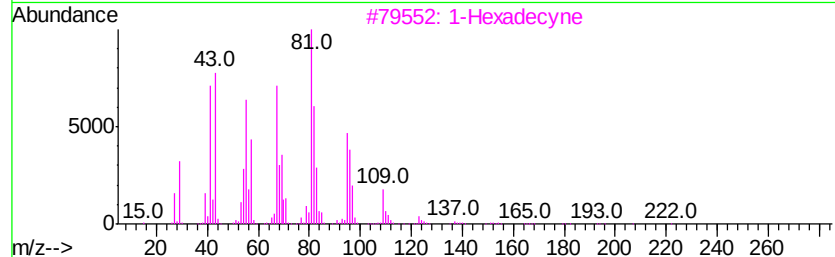
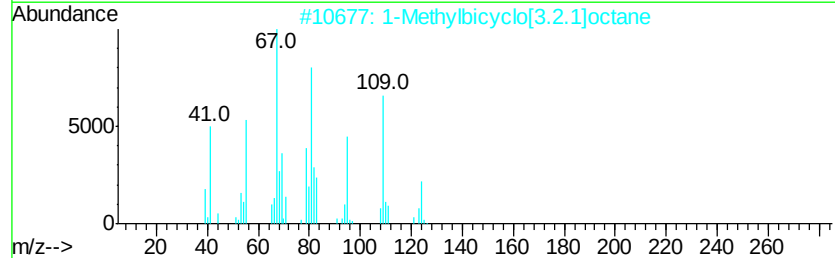
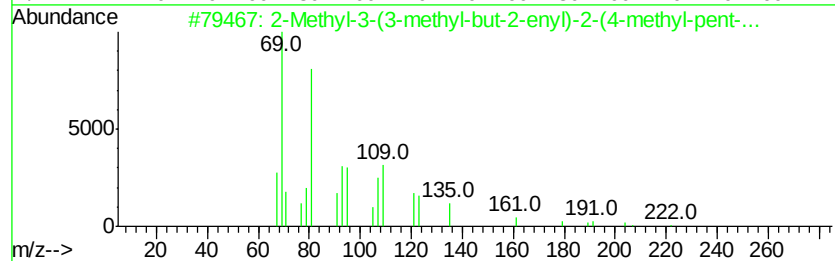
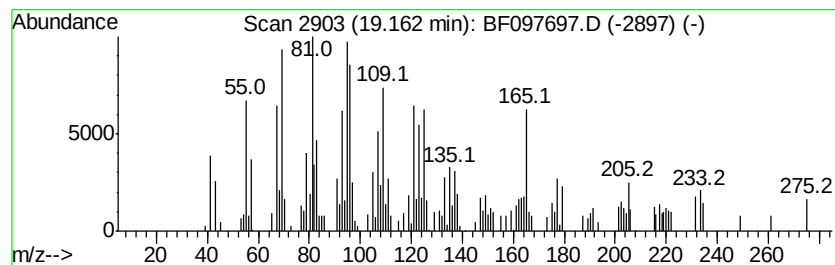
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 2-Methyl-3-(3-methyl-but-2-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.16	11.53 ng	424434	Perylene-d12	15.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Methyl-3-(3-methyl-but-2-enyl)...	222	C15H26O	1000144-10-2	78
2		1-Methylbicyclo[3.2.1]octane	124	C9H16	119972-41-7	74
3		1-Hexadecyne	222	C16H30	000629-74-3	55
4		1,1,6-trimethyl-3-methylene-2-(3...	452	C33H56	1000373-94-5	55
5		Caparratriene	206	C15H26	1000374-08-7	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081517\
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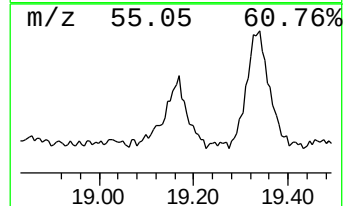
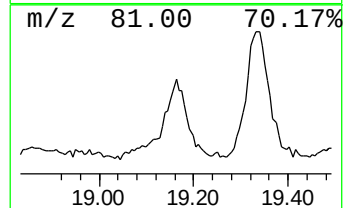
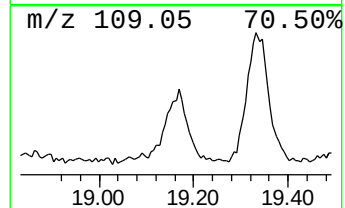
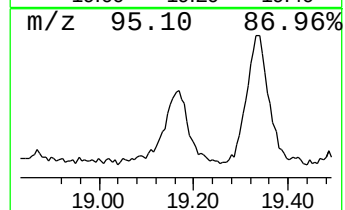
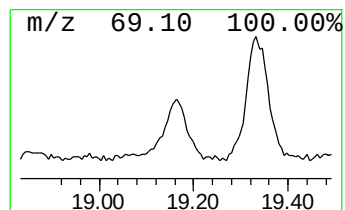
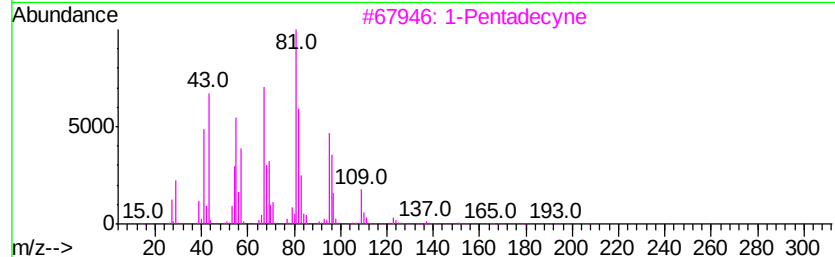
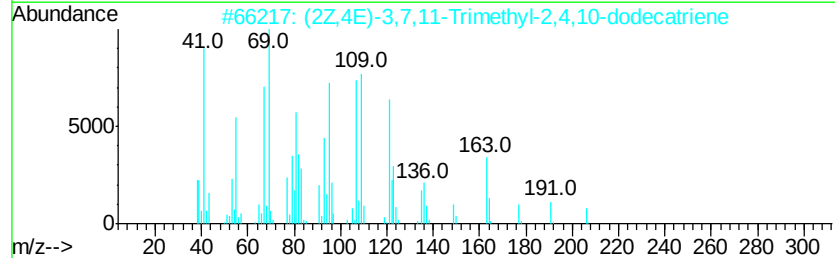
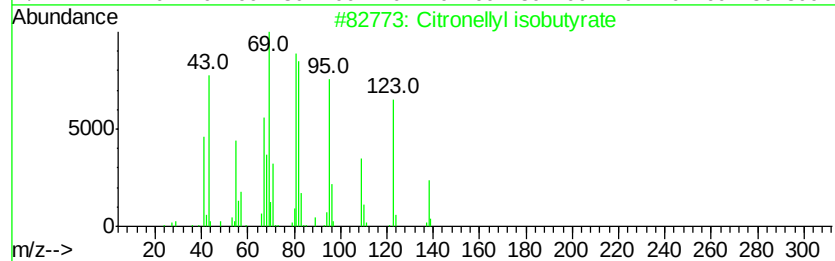
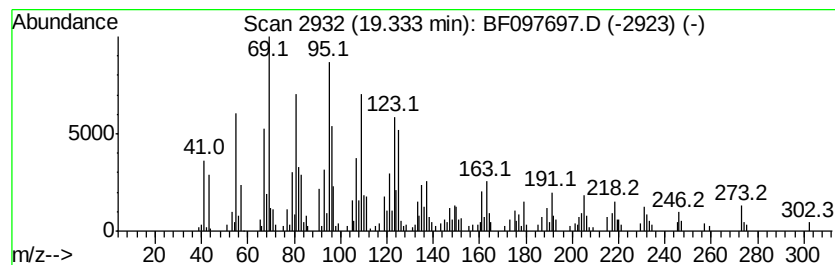
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 unknown19.33 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.33	21.45 ng	789465	Perylene-d12	15.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Citronellvl isobutyrate	226	C14H26O2	000097-89-2	47
2		(2Z,4E)-3,7,11-Trimethyl-2,4,10-...	206	C15H26	172549-29-0	46
3		1-Pentadecyne	208	C15H28	000765-13-9	38
4		Caparratriene	206	C15H26	1000374-08-7	35
5		Divinylbis(cyclopropyl)silane	164	C10H16Si	1000109-95-2	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF081517\
 Data File : BF097697.D
 Acq On : 15 Aug 2017 18:06
 Operator : SJ/JU
 Sample : I4754-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-MATERIAL-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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...	4.98	6.6 ng		276625	1	6.78	842421	20.0
unknown6.55	6.55	66.3 ng		2794900	1	6.78	842421	20.0
n-Hexadecanoic acid	11.84	5.4 ng		350118	4	11.30	1292910	20.0
unknown13.29	13.29	3.8 ng		186216	5	13.93	982876	20.0
Methyl dehydroabi...	13.39	8.3 ng		410452	5	13.93	982876	20.0
Trichloroacetic a...	13.79	7.0 ng		344132	5	13.93	982876	20.0
Nonadecyl pentafl...	14.43	5.0 ng		245804	5	13.93	982876	20.0
Aromandendrene	15.97	12.3 ng		452743	6	15.36	735978	20.0
A'-Neogammacer-22...	16.80	10.8 ng		395894	6	15.36	735978	20.0
unknown17.10	17.10	5.5 ng		201953	6	15.36	735978	20.0
unknown17.20	17.20	6.0 ng		220286	6	15.36	735978	20.0
.beta.-Sitosterol	17.34	24.8 ng		911300	6	15.36	735978	20.0
unknown17.43	17.43	22.0 ng		809768	6	15.36	735978	20.0
Azulene, 1,2,3,5,...	17.66	10.8 ng		396261	6	15.36	735978	20.0
unknown17.90	17.90	8.3 ng		304230	6	15.36	735978	20.0
unknown18.26	18.26	6.6 ng		242659	6	15.36	735978	20.0
unknown18.33	18.33	6.4 ng		234960	6	15.36	735978	20.0
2-Methyl-3-(3-met...	19.16	11.5 ng		424434	6	15.36	735978	20.0
unknown19.33	19.33	21.4 ng		789465	6	15.36	735978	20.0