

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082817\
 Data File : BF098090.D
 Acq On : 29 Aug 2017 2:25
 Operator : SJ/JU
 Sample : I4965-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-OLDCASTLE-CO

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	4.246	353	367	368	rVV4	15499	47218	1.32%	0.086%
2	4.434	397	399	401	rVB	76224	53740	1.51%	0.098%
3	4.934	480	484	489	rBV	166982	229897	6.44%	0.420%
4	5.028	491	500	504	rVB	32870	81876	2.29%	0.149%
5	5.140	508	519	526	rVB2	38518	87920	2.46%	0.160%
6	5.345	549	554	557	rBV	2610917	2605597	73.01%	4.755%
7	5.769	623	626	638	rVB	109514	137226	3.85%	0.250%
8	6.381	720	730	738	rBV	2494579	2989710	83.77%	5.456%
9	6.510	747	752	755	rBV	2733927	2616403	73.31%	4.775%
10	6.739	787	791	796	rBV	873827	708634	19.86%	1.293%
11	6.898	813	818	821	rBV	2050191	1982009	55.54%	3.617%
12	7.145	855	860	869	rBV	223246	245003	6.87%	0.447%
13	7.228	871	874	879	rBV	70102	58758	1.65%	0.107%
14	7.304	880	887	890	rBV	1785453	1704047	47.75%	3.110%
15	7.769	957	966	969	rBV5	59024	87500	2.45%	0.160%
16	8.022	1005	1009	1015	rVV	1033067	894371	25.06%	1.632%
17	8.281	1048	1053	1062	rBV	100372	155072	4.35%	0.283%
18	9.098	1187	1192	1196	rBV	2917231	2758584	77.30%	5.034%
19	9.181	1202	1206	1208	rBV3	48309	55486	1.55%	0.101%
20	9.210	1208	1211	1213	rVV	98292	95025	2.66%	0.173%
21	9.233	1213	1215	1221	rVB3	49501	73399	2.06%	0.134%
22	9.492	1256	1259	1263	rVV	455942	381807	10.70%	0.697%
23	9.533	1263	1266	1269	rVB3	65211	58844	1.65%	0.107%
24	9.710	1294	1296	1302	rVB2	82966	80537	2.26%	0.147%
25	9.775	1303	1307	1310	rBV	1081852	925399	25.93%	1.689%
26	9.898	1325	1328	1331	rBV2	77890	67797	1.90%	0.124%
27	10.069	1353	1357	1362	rVB	176778	196885	5.52%	0.359%
28	10.416	1414	1416	1418	rVV3	47599	49538	1.39%	0.090%
29	10.445	1418	1421	1423	rVV2	92827	86400	2.42%	0.158%
30	10.475	1423	1426	1429	rVV2	97027	112809	3.16%	0.206%
31	10.563	1433	1441	1444	rVV	1711277	1733570	48.58%	3.164%
32	10.598	1445	1447	1451	rVV3	84511	110223	3.09%	0.201%
33	10.633	1451	1453	1456	rVV2	60360	58810	1.65%	0.107%
34	10.680	1458	1461	1466	rVV3	113357	133633	3.74%	0.244%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.733	1466	1470	1474	rVB6	91388	129042	3.62%	0.235%
36	10.775	1474	1477	1481	rBV3	53398	62792	1.76%	0.115%
37	10.922	1499	1502	1508	rBV3	100168	153937	4.31%	0.281%
38	10.980	1509	1512	1514	rBV	148003	136473	3.82%	0.249%
39	11.257	1555	1559	1562	rBV	1146557	997268	27.94%	1.820%
40	11.292	1562	1565	1567	rVV2	231622	235202	6.59%	0.429%
41	11.316	1567	1569	1576	rVB3	108054	126150	3.53%	0.230%
42	11.398	1580	1583	1586	rVV	398014	355546	9.96%	0.649%
43	11.439	1586	1590	1593	rVB2	100005	107263	3.01%	0.196%
44	11.480	1593	1597	1605	rVB5	100731	128713	3.61%	0.235%
45	11.604	1615	1618	1620	rBV	101571	78609	2.20%	0.143%
46	11.645	1620	1625	1630	rBV5	41167	67254	1.88%	0.123%
47	11.739	1638	1641	1647	rVB2	114637	148363	4.16%	0.271%
48	11.810	1647	1653	1659	rBV	723201	850295	23.83%	1.552%
49	11.863	1659	1662	1671	rVB2	138389	175105	4.91%	0.320%
50	11.951	1671	1677	1679	rBV	325197	351505	9.85%	0.641%
51	11.974	1679	1681	1685	rVB3	98266	94400	2.65%	0.172%
52	12.092	1698	1701	1704	rBV	58579	56324	1.58%	0.103%
53	12.139	1707	1709	1713	rVB	89896	82656	2.32%	0.151%
54	12.204	1713	1720	1722	rBV7	41598	83830	2.35%	0.153%
55	12.233	1722	1725	1727	rBV2	59767	53956	1.51%	0.098%
56	12.304	1734	1737	1739	rBV3	70706	73690	2.06%	0.134%
57	12.333	1739	1742	1744	rVV3	64721	69127	1.94%	0.126%
58	12.404	1751	1754	1760	rBV	470014	452460	12.68%	0.826%
59	12.463	1762	1764	1766	rVV	72259	61073	1.71%	0.111%
60	12.504	1766	1771	1772	rVV	561694	690018	19.33%	1.259%
61	12.521	1772	1774	1783	rVV	655990	885630	24.82%	1.616%
62	12.592	1783	1786	1794	rVB3	167380	233000	6.53%	0.425%
63	12.669	1797	1799	1801	rBV2	63708	57824	1.62%	0.106%
64	12.845	1824	1829	1832	rBV	2333724	2149597	60.23%	3.923%
65	13.080	1867	1869	1872	rVB2	89915	82520	2.31%	0.151%
66	13.239	1894	1896	1898	rBV2	107208	110560	3.10%	0.202%
67	13.274	1899	1902	1904	rVB	274473	259766	7.28%	0.474%
68	13.345	1912	1914	1921	rVB	182158	225284	6.31%	0.411%
69	13.492	1936	1939	1943	rVB4	73628	72283	2.03%	0.132%
70	13.533	1944	1946	1949	rVB3	59079	56417	1.58%	0.103%
71	13.739	1978	1981	1986	rBV	400380	450204	12.62%	0.822%

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72	13.821	1992	1995	2000	rBV	154102	155863	4.37%	0.284%
73	13.892	2003	2007	2010	rVV	695410	645322	18.08%	1.178%
74	14.374	2086	2089	2096	rVB2	236249	286947	8.04%	0.524%
75	14.733	2147	2150	2154	rVB	406554	385198	10.79%	0.703%
76	14.986	2190	2193	2195	rBV2	249774	280024	7.85%	0.511%
77	15.010	2195	2197	2204	rVB	338922	395144	11.07%	0.721%
78	15.310	2244	2248	2253	rBV	509577	651971	18.27%	1.190%
79	15.445	2267	2271	2280	rVB2	410540	569813	15.97%	1.040%
80	15.762	2320	2325	2329	rBV	265730	385496	10.80%	0.703%
81	15.809	2329	2333	2340	rVB	294416	491985	13.79%	0.898%
82	15.898	2345	2348	2354	rVB2	168038	251249	7.04%	0.459%
83	15.968	2356	2360	2363	rBV	114294	163606	4.58%	0.299%
84	16.357	2423	2426	2428	rBV3	65044	92721	2.60%	0.169%
85	16.580	2457	2464	2473	rBV2	277147	690067	19.34%	1.259%
86	16.704	2479	2485	2496	rVB6	235058	826561	23.16%	1.508%
87	16.798	2497	2501	2507	rVV	130575	272713	7.64%	0.498%
88	16.862	2507	2512	2525	rVB6	283537	688722	19.30%	1.257%
89	17.027	2531	2540	2549	rVB2	1530996	3442844	96.47%	6.283%
90	17.262	2570	2580	2588	rBV2	1249376	3568756	100.00%	6.513%
91	17.451	2608	2612	2624	rVB2	239872	538432	15.09%	0.983%
92	17.562	2625	2631	2636	rVV5	252282	616187	17.27%	1.124%
93	17.621	2638	2641	2646	rVV2	303423	613373	17.19%	1.119%
94	17.686	2646	2652	2663	rVV4	631629	2272977	63.69%	4.148%
95	17.786	2664	2669	2678	rVB7	323718	897908	25.16%	1.639%
96	18.021	2701	2709	2711	rBV4	480303	1150584	32.24%	2.100%
97	18.151	2725	2731	2736	rBV3	228407	589933	16.53%	1.077%
98	18.209	2737	2741	2753	rVB4	326216	891895	24.99%	1.628%
99	18.474	2781	2786	2794	rVB4	78914	184630	5.17%	0.337%
100	19.198	2902	2909	2925	rVB3	232415	728500	20.41%	1.329%

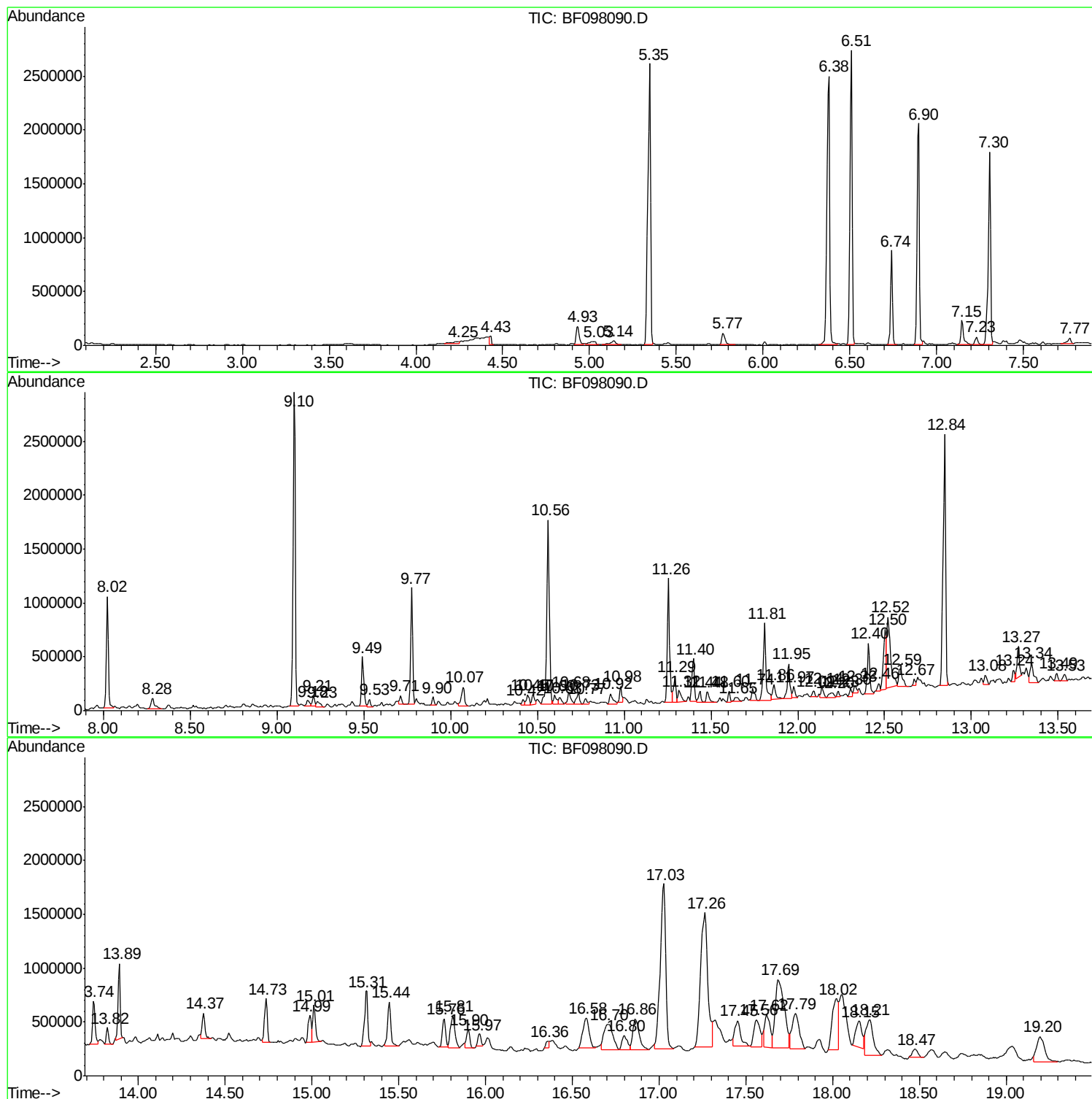
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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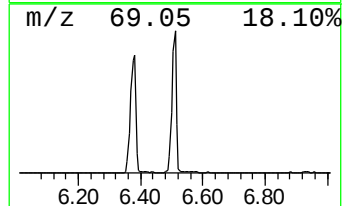
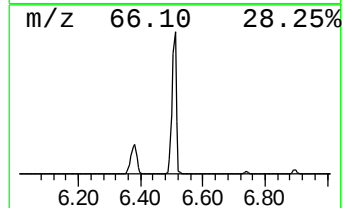
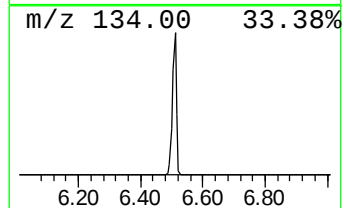
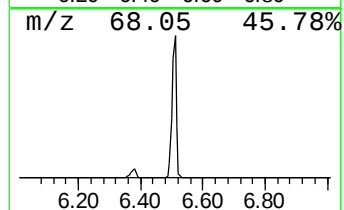
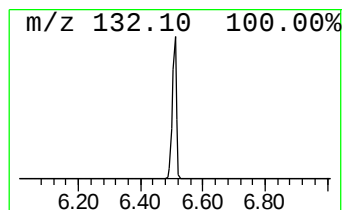
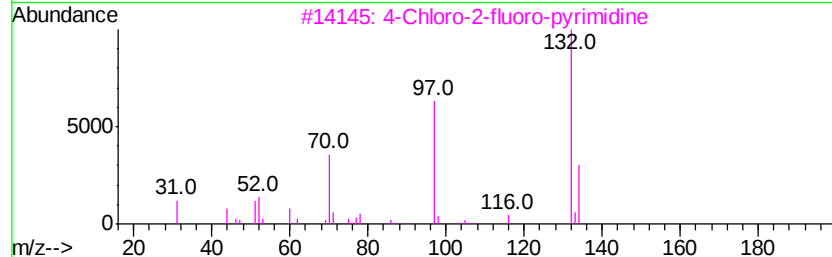
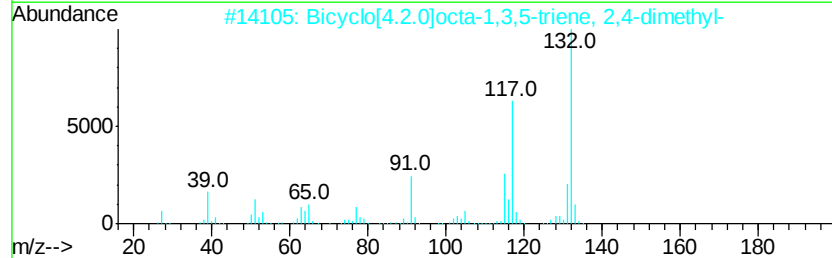
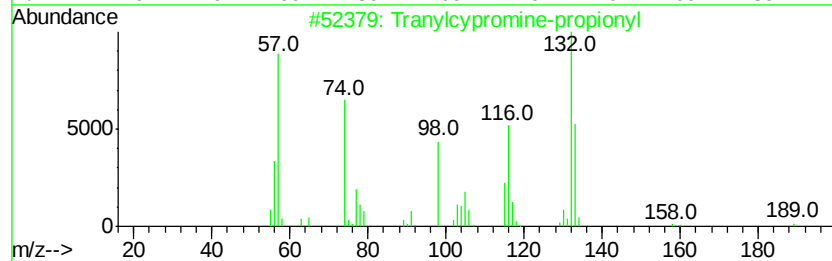
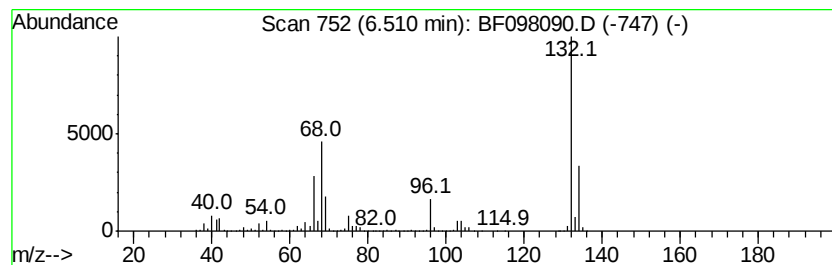
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.51 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.51	73.84 ng	2616400	1,4-Dichlorobenzene-d4	6.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tranvlcypromine-propionyl	189	C12H15NO	1000123-86-3	10
2		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
3		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
4		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



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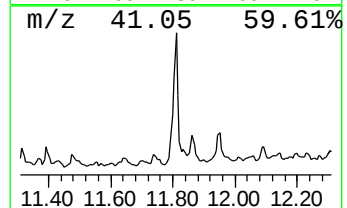
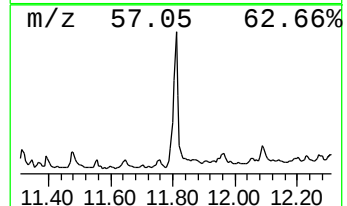
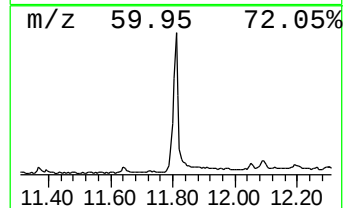
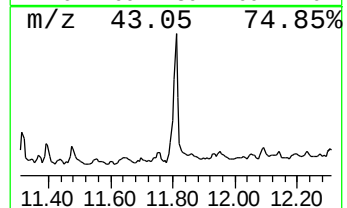
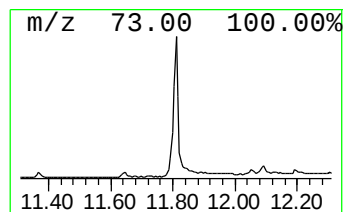
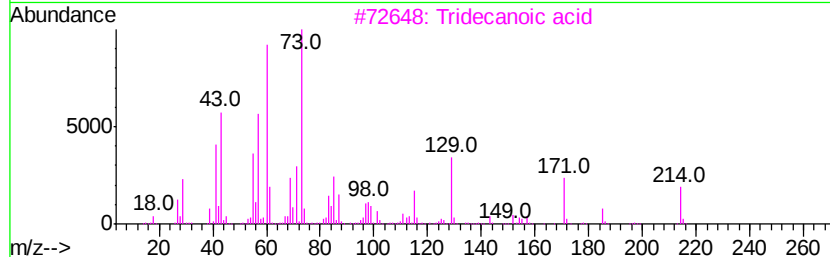
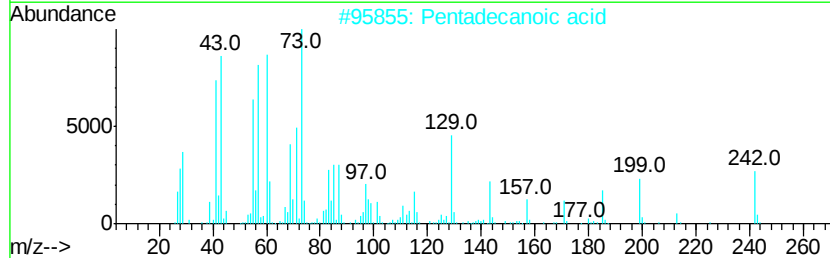
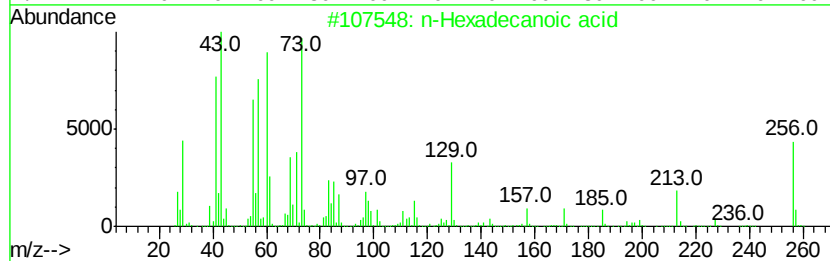
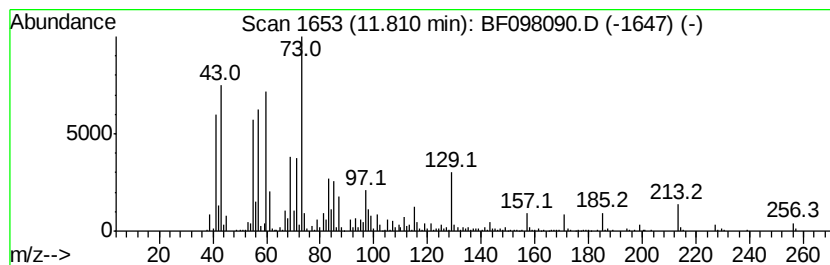
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 n-Hexadecanoic acid Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.81	17.05 ng	850295	Phenanthrene-d10	11.26	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3	Tridecanoic acid	214	C13H26O2	000638-53-9	72
4	Undecanoic acid	186	C11H22O2	000112-37-8	43
5	Nonanoic acid	158	C9H18O2	000112-05-0	27



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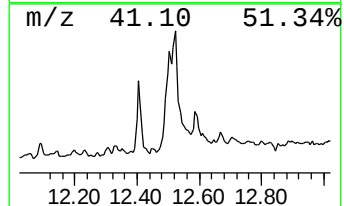
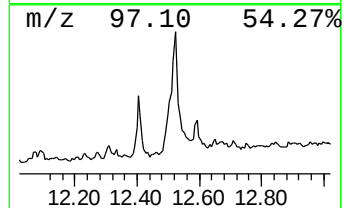
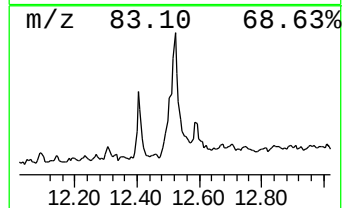
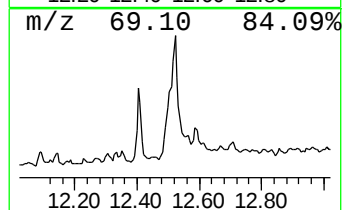
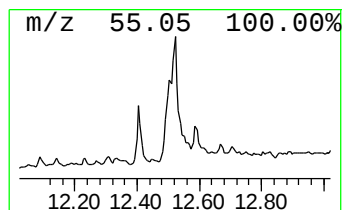
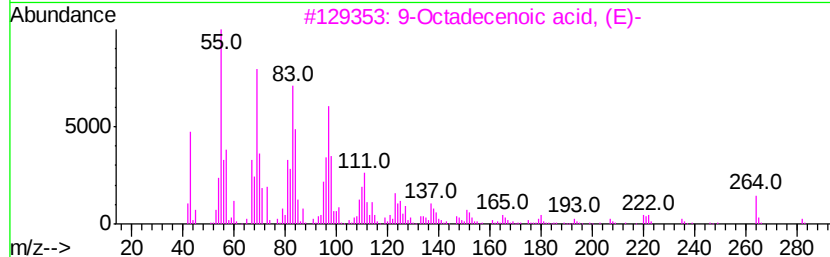
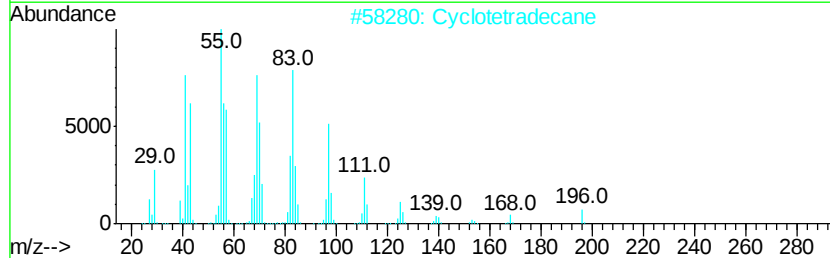
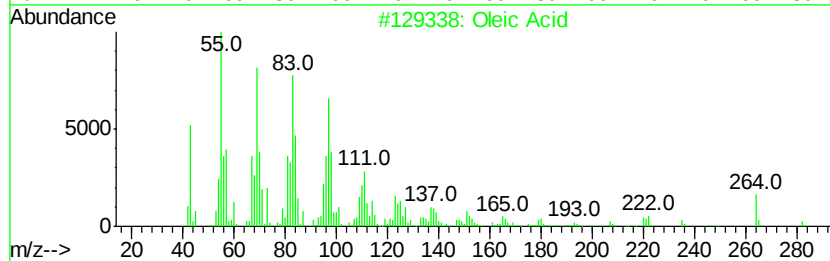
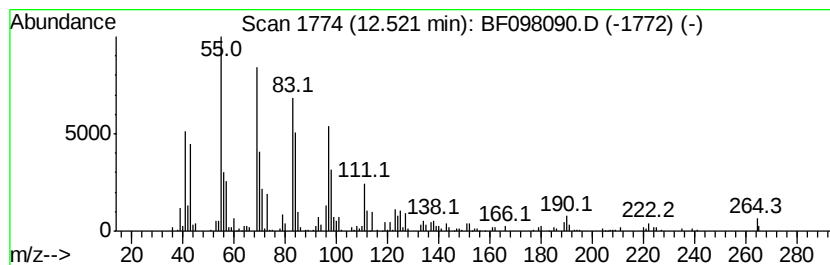
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TIC Integration Parameters: LSCINT.P

Peak Number 4 Oleic Acid Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD		R.T.		
12.52	17.76 ng	885630	Phenanthrene-d10		11.26		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Oleic Acid	282	C18H34O2	000112-80-1	91
2			Cyclotetradecane	196	C14H28	000295-17-0	72
3			9-Octadecenoic acid, (E)-	282	C18H34O2	000112-79-8	72
4			Acetic acid, trifluoro-, dodecyl...	282	C14H25F3O2	006222-00-0	52
5			3-Tetradecene, (E)-	196	C14H28	041446-68-8	47



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Data File : BF098090.D
Acq On : 29 Aug 2017 2:25
Operator : SJ/JU
Sample : I4965-01
Misc :
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ClientSampleId :
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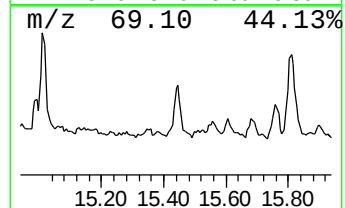
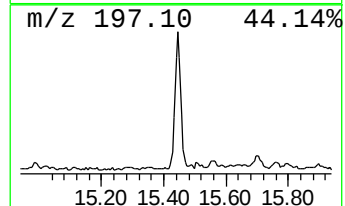
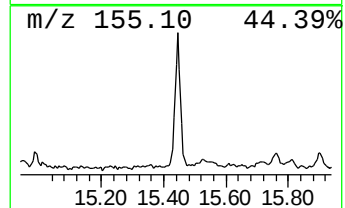
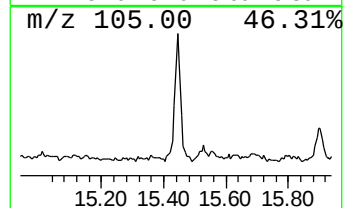
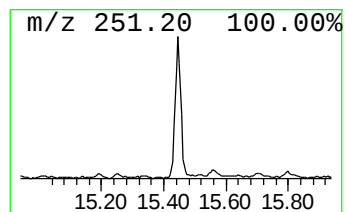
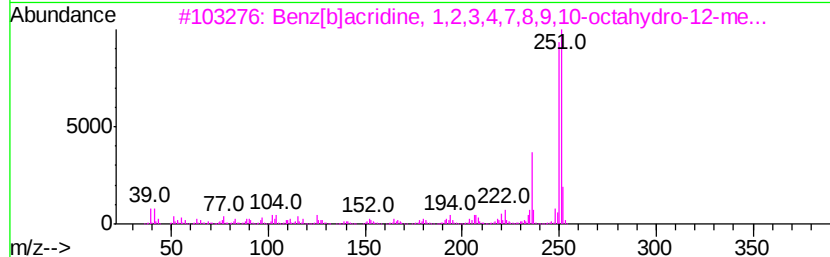
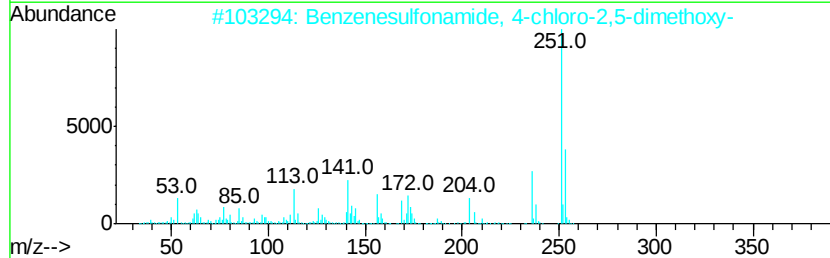
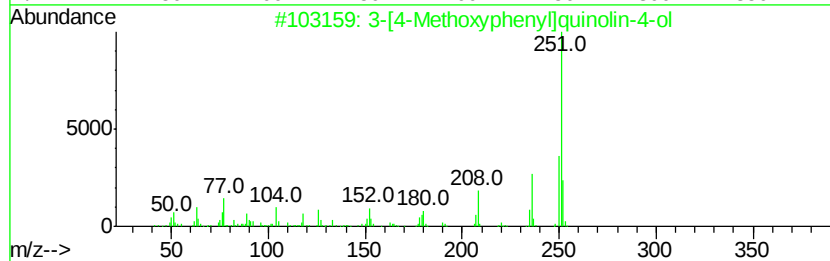
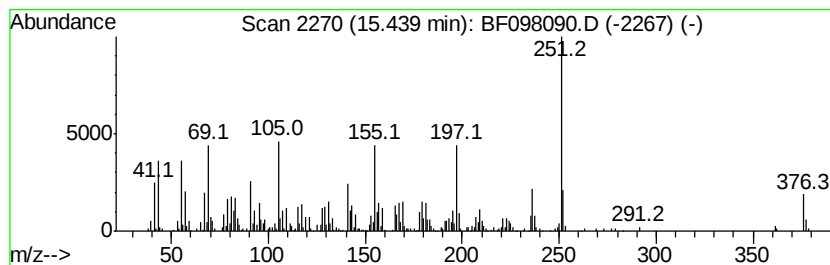
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 3-[4-Methoxyphenyl]quinolin... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.44	17.48 ng	569813	Perylene-d12	15.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-[4-Methoxyphenyl]quinolin-4-ol	251	C16H13NO2	1000254-66-9	64
2		Benzenesulfonamide, 4-chloro-2,5-dimethoxy-	251	C8H10ClN04S	106038-02-2	43
3		Benz[blacridine, 1,2,3,4,7,8,9,10-octahydro-12-methoxy-	251	C18H21N	055044-74-1	41
4		9-(3-Chlorobenzyl)-9-hydroxy-3,6-dihydro-2H-pyridine	376	C25H25ClO	142728-03-8	38
5		Benz[c]acridine, 1,2,3,4,8,9,10,11-octahydro-12-methoxy-	251	C18H21N	055044-73-0	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082817\
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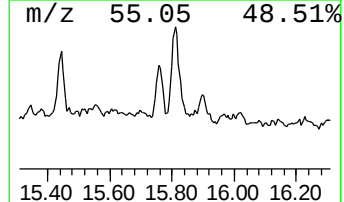
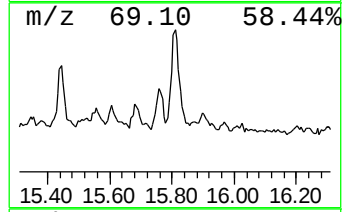
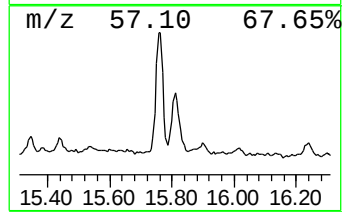
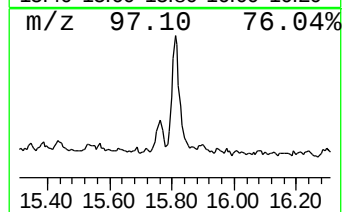
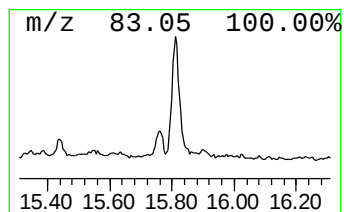
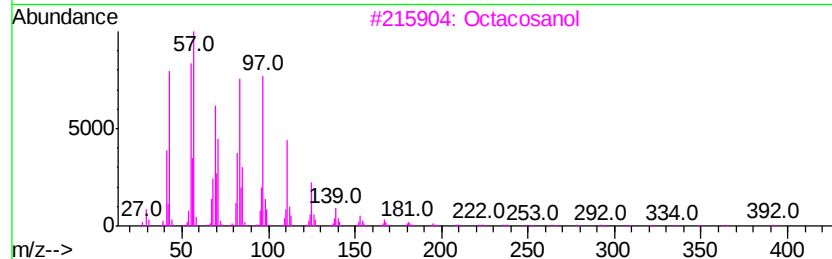
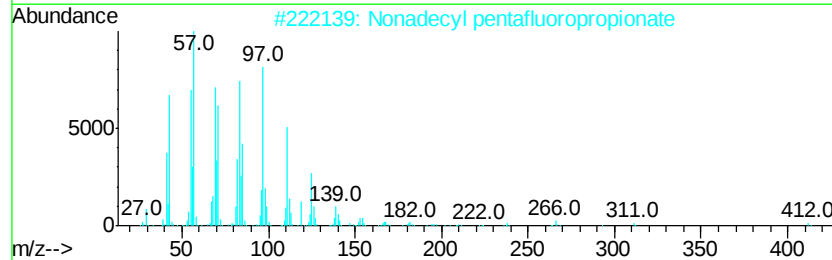
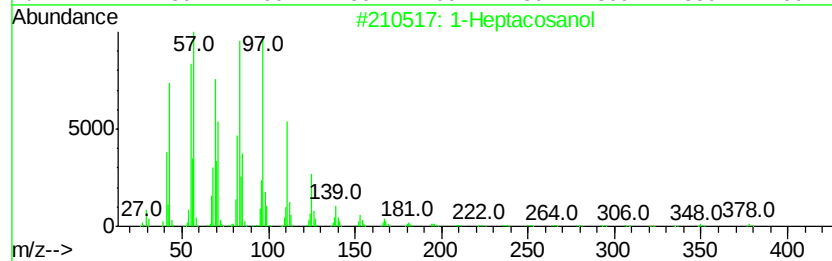
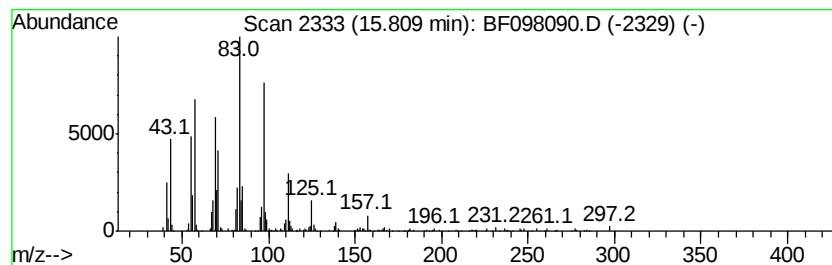
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1-Heptacosanol Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.81	15.09 ng	491985	Perylene-d12	15.32
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		1-Heptacosanol	396 C27H56O	002004-39-9 64
2		Nonadecyl pentafluoropropionate	430 C22H39F5O2	1000351-88-8 58
3		Octacosanol	410 C28H58O	000557-61-9 58
4		Heptafluorobutyric acid, n-octad...	466 C22H37F7O2	000400-57-7 58
5		Eicosyl pentafluoropropionate	444 C23H41F5O2	1000351-80-8 53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF082817\
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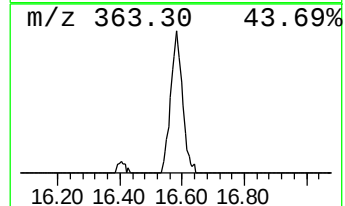
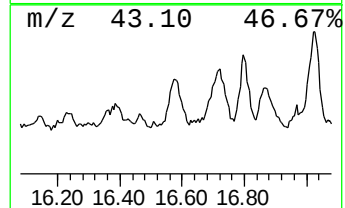
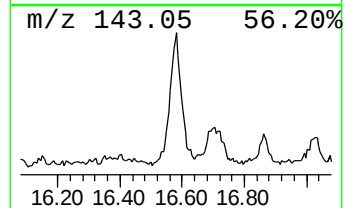
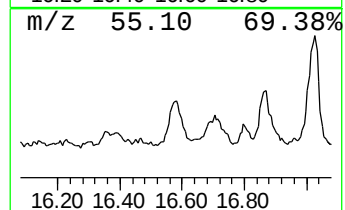
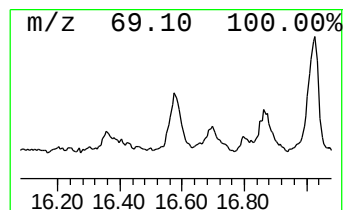
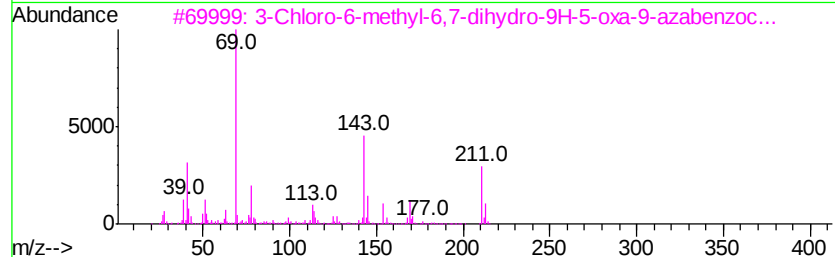
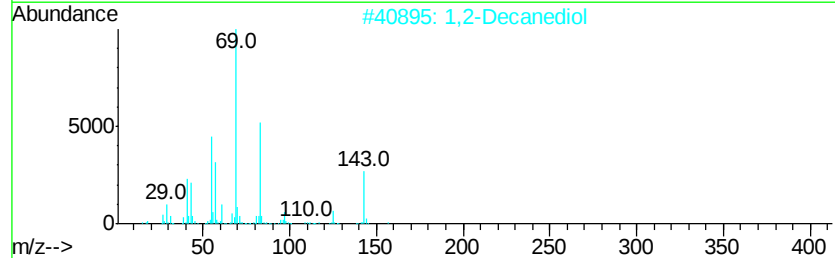
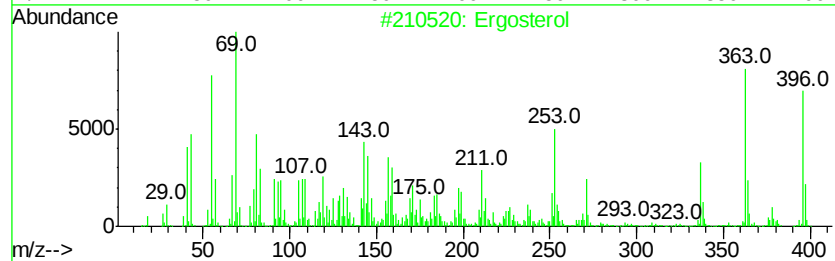
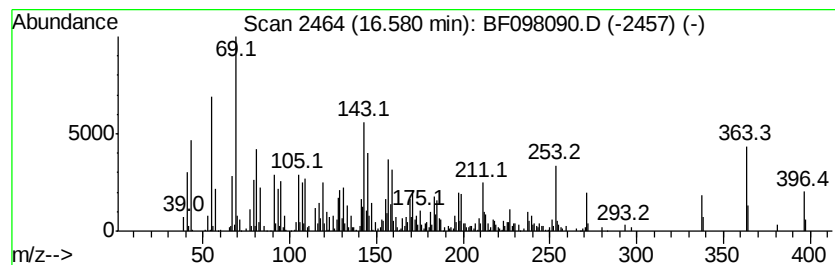
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Ergosterol Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.58	21.17 ng	690067	Perylene-d12	15.32
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Ergosterol	396 C28H44O	000057-87-4	93
2	1,2-Decanediol	174 C10H22O2	001119-86-4	27
3	3-Chloro-6-methyl-6,7-dihydro-9H...	211 C10H10ClNO2	134076-61-2	25
4	2-Chloro-6-methyl-6,7-dihydro-9H...	211 C10H10ClNO2	134076-73-6	22
5	Ergosta-4,7,22-trien-3.beta.-ol	396 C28H44O	097583-19-2	17



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082817\
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Operator : SJ/JU
Sample : I4965-01
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ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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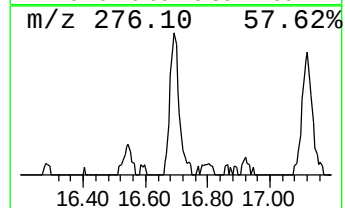
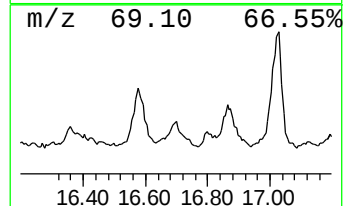
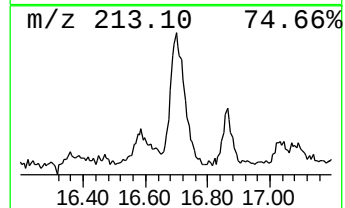
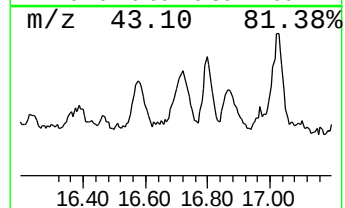
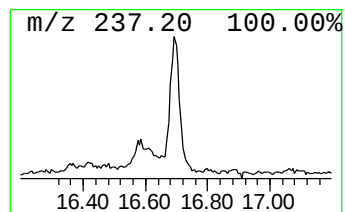
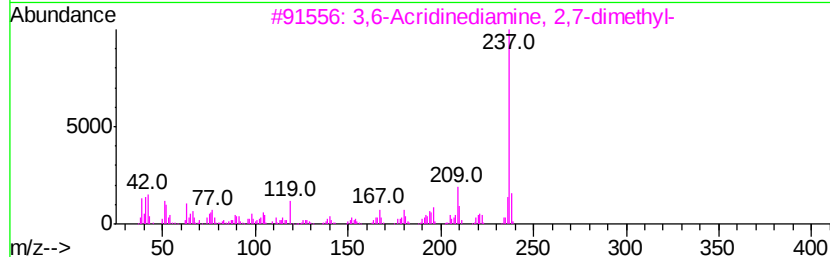
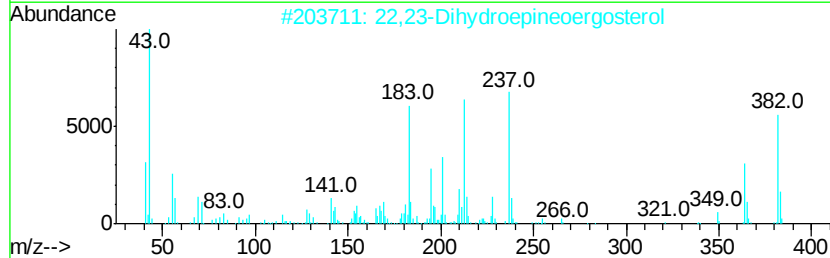
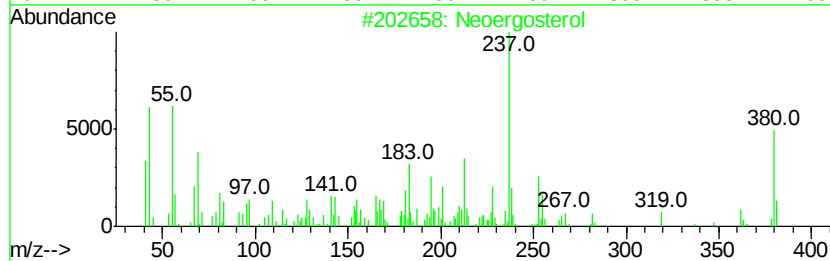
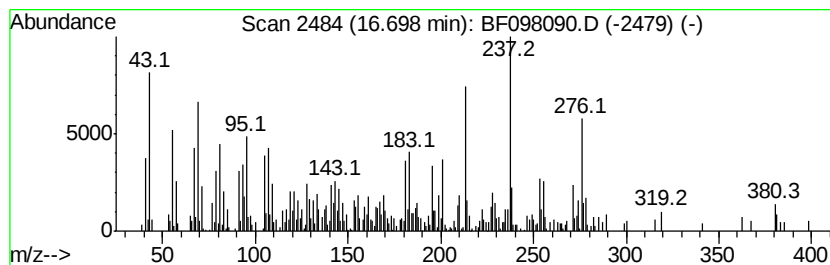
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Neoergosterol Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.70	25.36 ng	826561	Perylene-d12	15.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Neoergosterol	380	C27H40O	000516-98-3	80
2		22,23-Dihydroepineoergosterol	382	C27H42O	070157-93-6	25
3		3,6-Acridinediamine, 2,7-dimethyl-	237	C15H15N3	000092-26-2	15
4		8-Methyl-1,2-dithiolo(3,4-b)indo...	237	C10H7NS3	026228-41-1	15
5		1H-Benzo[f]chromene-2-carbonitri...	315	C19H13N3O2	294878-08-3	14



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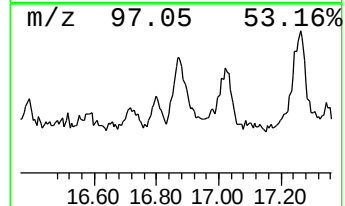
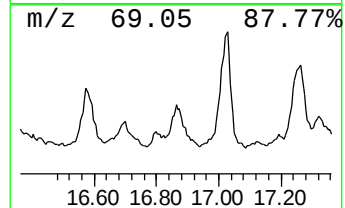
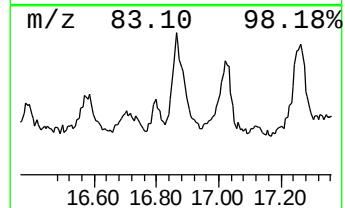
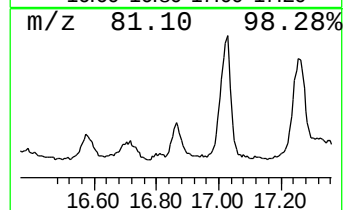
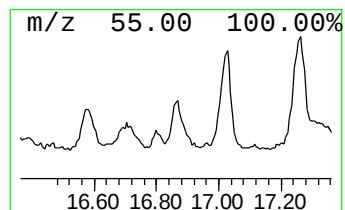
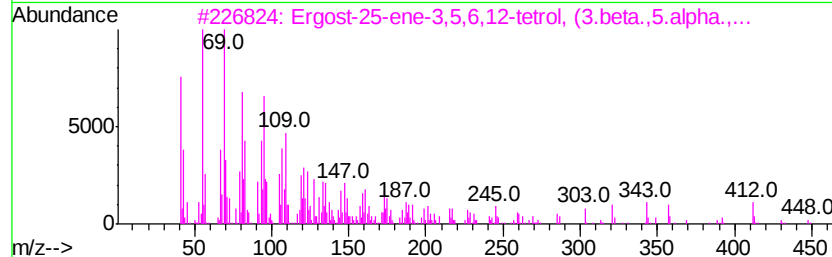
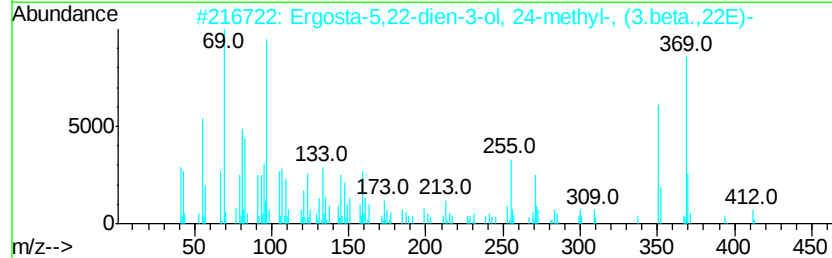
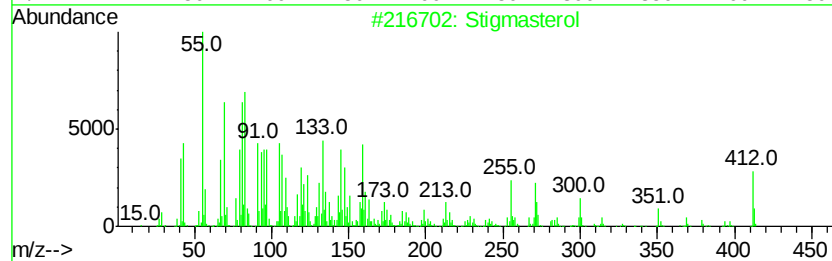
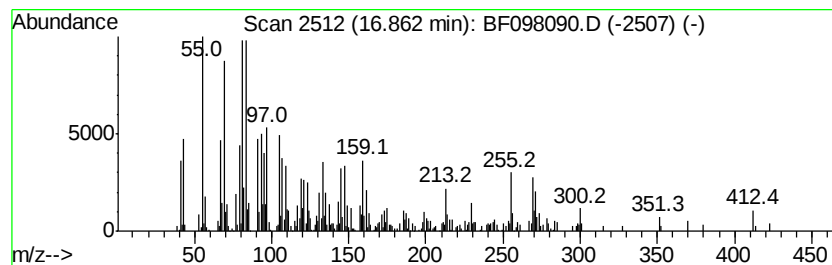
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Stigmasterol Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.86	21.13 ng	688722	Perylene-d12	15.32
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Stigmasterol	412 C29H48O	000083-48-7 93
2		Ergosta-5,22-dien-3-ol, 24-methy...	412 C29H48O	053755-22-9 38
3		Ergost-25-ene-3,5,6,12-tetrol, (...	448 C28H48O4	056052-97-2 35
4		Hexadecanoic acid, 2-hydroxy-, m...	286 C17H34O3	016742-51-1 35
5		Cycloprop[7,8]ergost-22-en-3-ol,...	412 C29H48O	053866-87-8 27



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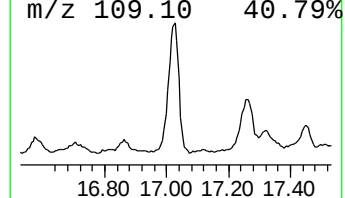
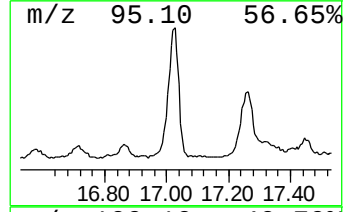
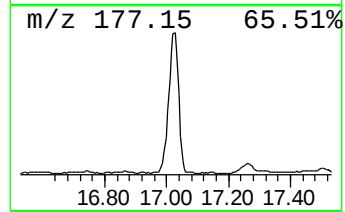
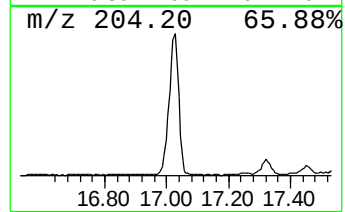
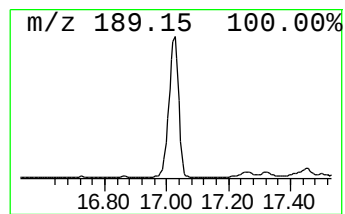
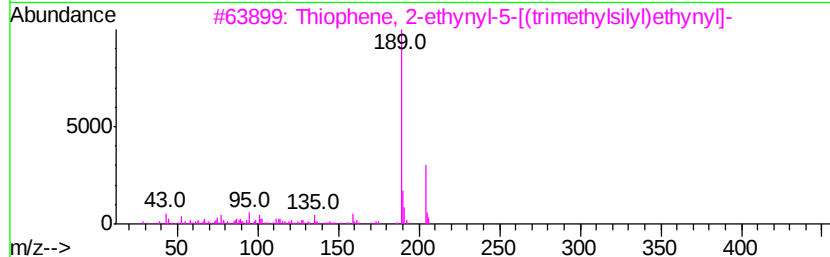
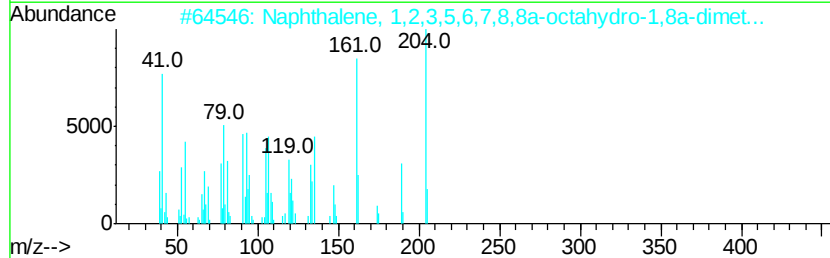
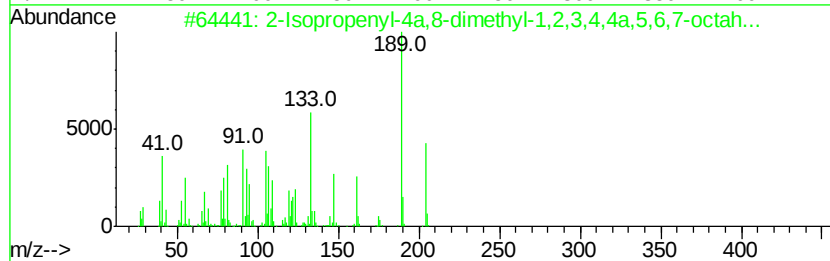
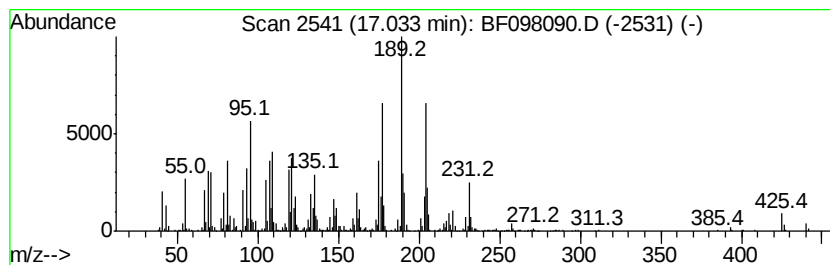
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown17.03 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.03	105.61 ng	3442840	Perylene-d12	15.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Isopropenyl-4a,8-dimethyl-1,2,...	204	C15H24	1000192-43-5	45
2		Naphthalene, 1,2,3,5,6,7,8,8a-oc...	204	C15H24	004630-07-3	45
3		Thiophene, 2-ethynyl-5-[(trimeth...	204	C11H12SSi	182323-29-1	43
4		Naphthalene, 1,2,4a,5,8,8a-hexah...	204	C15H24	005951-61-1	38
5		1,3a-Ethano-3aH-indene, 1,2,3,6,...	204	C15H24	004545-68-0	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082817\
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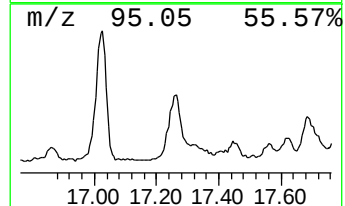
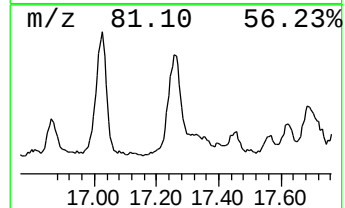
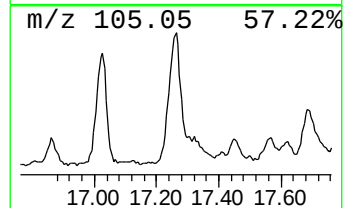
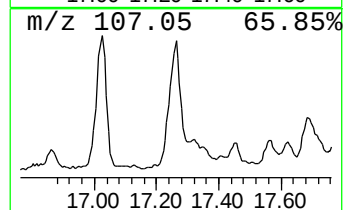
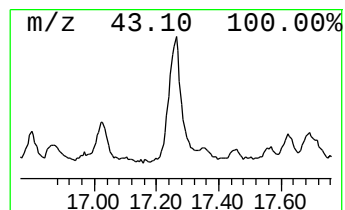
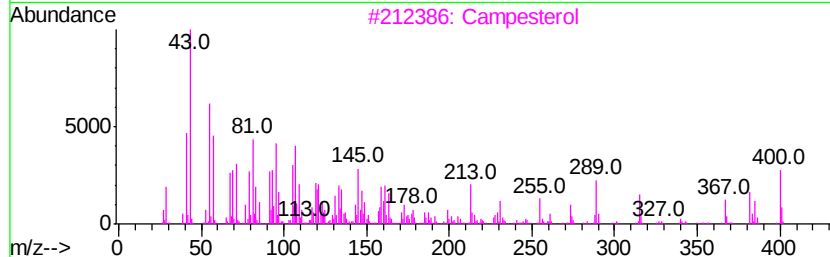
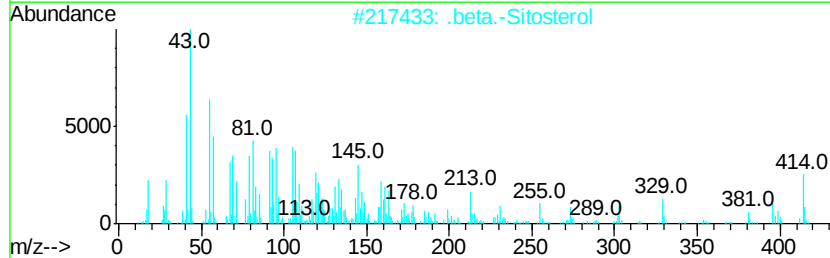
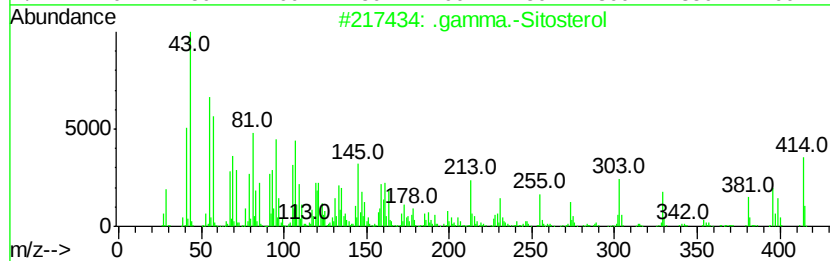
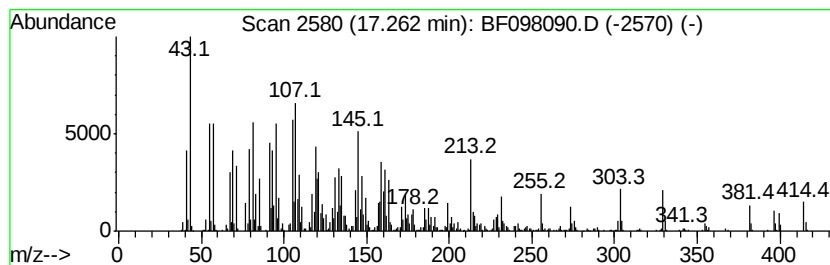
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 .gamma.-Sitosterol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.26	109.48 ng	3568760	Perylene-d12	15.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	.gamma.-Sitosterol	414	C29H50O	000083-47-6	93
2		.beta.-Sitosterol	414	C29H50O	000083-46-5	89
3		Campesterol	400	C28H48O	000474-62-4	47
4		Ergost-5-en-3-ol, (3.beta.)-	400	C28H48O	004651-51-8	45
5		17-(1,5-Dimethylhexyl)-10,13-dim...	414	C29H50O	1000210-86-9	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082817\
Data File : BF098090.D
Acq On : 29 Aug 2017 2:25
Operator : SJ/JU
Sample : I4965-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

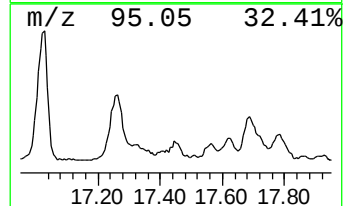
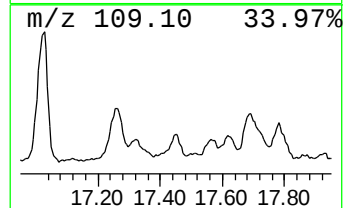
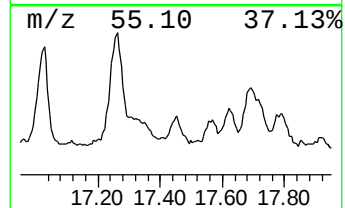
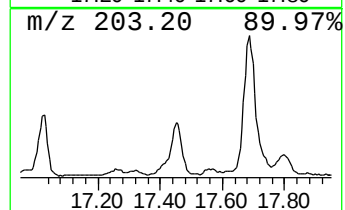
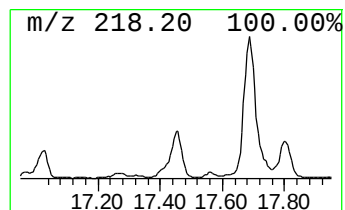
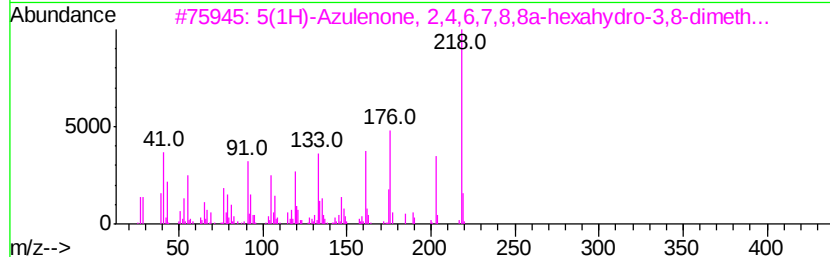
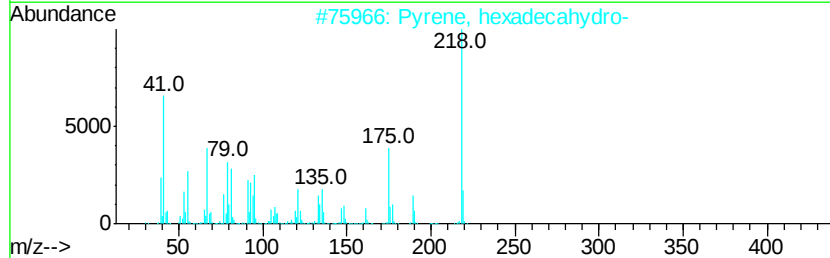
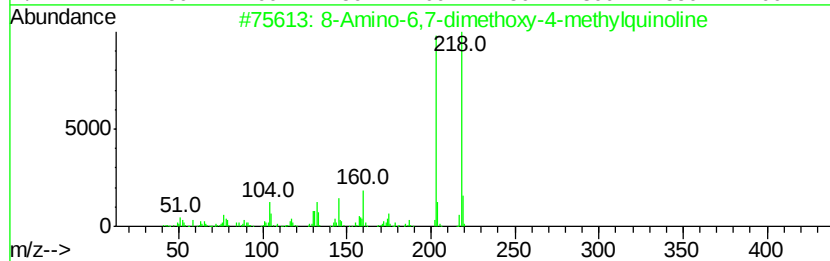
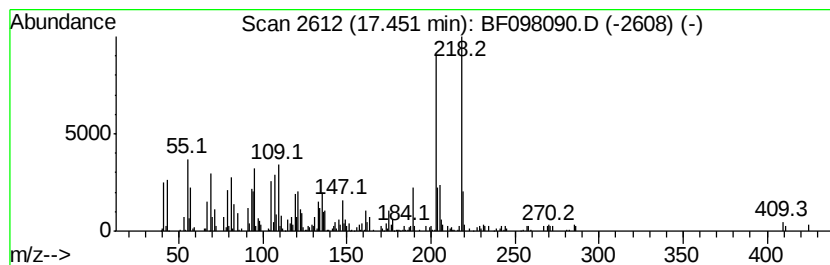
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 8-Amino-6,7-dimethoxy-4-met... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.			
17.45	16.52 ng	538432	Perylene-d12	15.32			
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Amino-6,7-dimethoxy-4-methylqu...	218	C12H14N2O2	1000213-07-2	50		
2	Pyrene, hexadecahydro-	218	C16H26	002435-85-0	46		
3	5(1H)-Azulenone, 2,4,6,7,8,8a-he...	218	C15H22O	006754-66-1	35		
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	30		
5	1-Pyrrolin-2-amine, N-(1-adamant...	218	C14H22N2	300695-00-5	30		



Data Path : Z:\HPCHEM1\BNA F\DATA\BF082817\
Data File : BF098090.D
Acq On : 29 Aug 2017 2:25
Operator : SJ/JU
Sample : I4965-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TOPSOIL-OLDCASTLE-CO

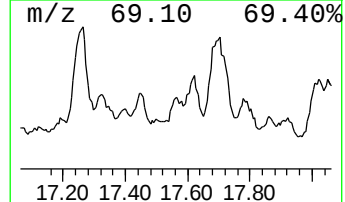
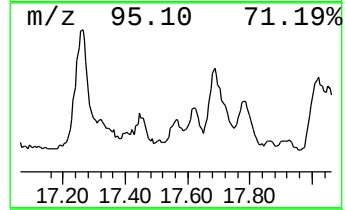
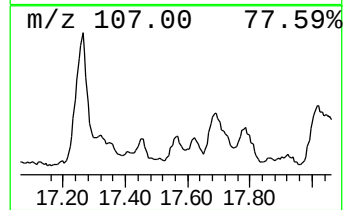
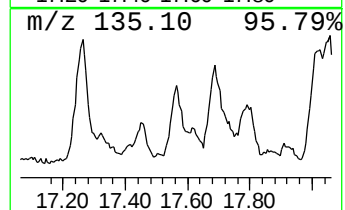
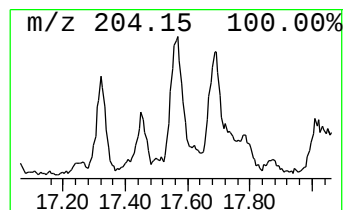
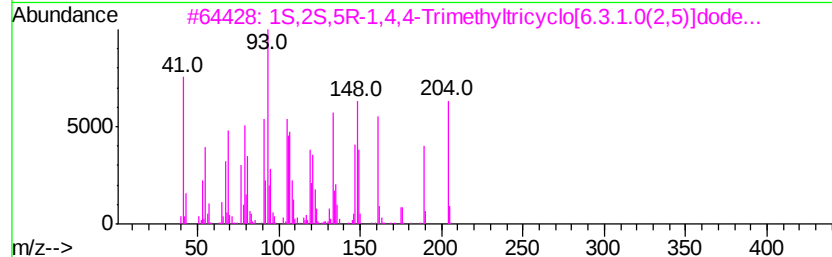
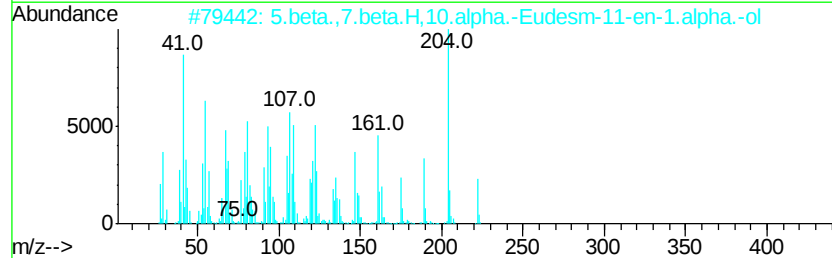
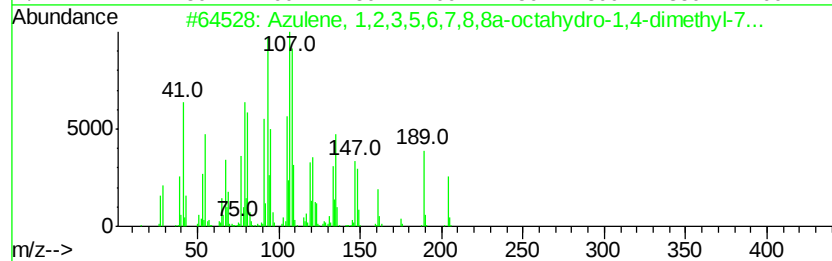
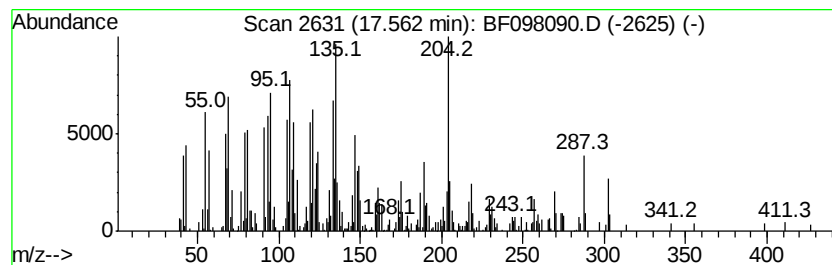
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Azulene, 1,2,3,5,6,7,8,8a-o... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.56	18.90 ng	616187	Perylene-d12	15.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Azulene, 1,2,3,5,6,7,8,8a-octahy...	204	C15H24	003691-11-0	55
2		5.beta.,7.beta.H,10.alpha.-Eudes...	222	C15H26O	025826-85-1	49
3		1S,2S,5R-1,4,4-Trimethyltricyclo...	204	C15H24	1000140-07-5	49
4		1,4-Dimethyl-8-isopropylidenetri...	204	C15H24	1000140-07-7	49
5		Dihydrotachysterol	398	C28H46O	000067-96-9	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082817\
Data File : BF098090.D
Acq On : 29 Aug 2017 2:25
Operator : SJ/JU
Sample : I4965-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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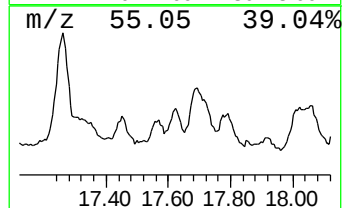
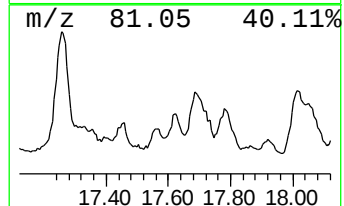
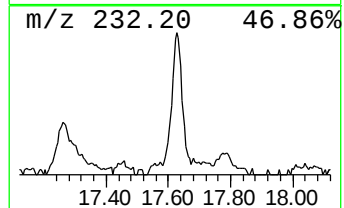
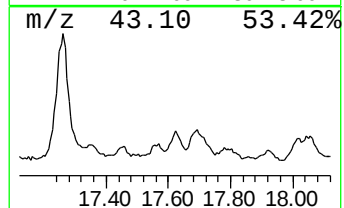
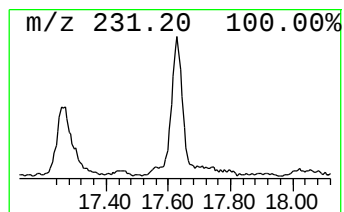
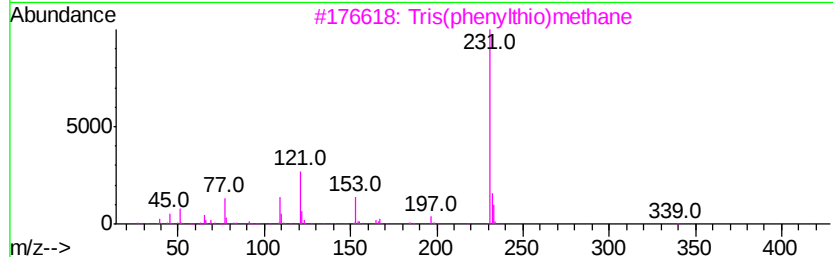
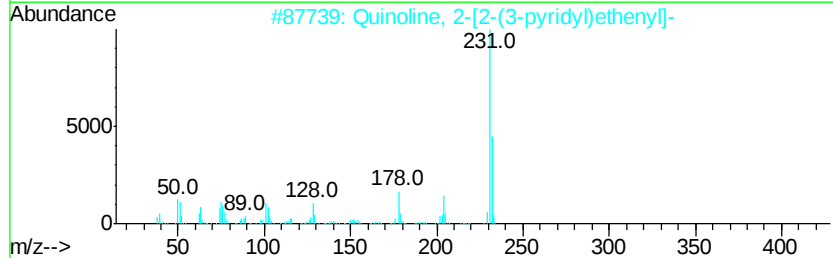
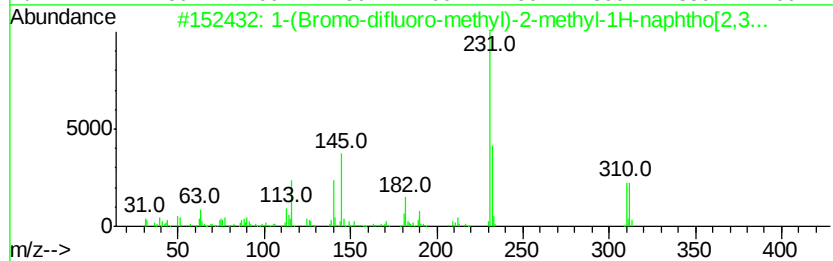
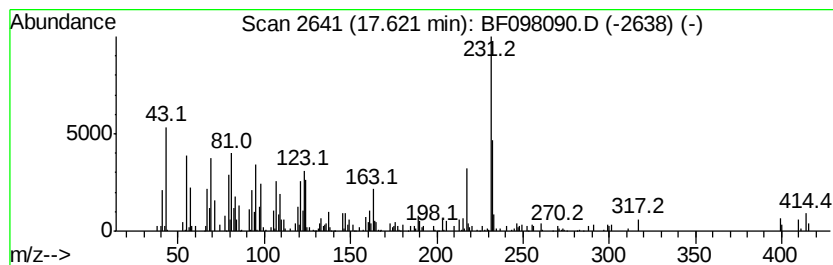
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown17.62 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.62	18.82 ng	613373	Perylene-d12	15.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-(Bromo-difluoro-methyl)-2-meth...	310	C13H9BrF2N2	1000317-80-8	32
2		Quinoline, 2-[2-(3-pyridyl)ethen...	232	C16H12N2	001586-51-2	32
3		Tris(phenylthio)methane	340	C19H16S3	004832-52-4	27
4		3-[1-Bromo-2-(phenylthio)cyclopr...	310	C14H15BrOS	121820-15-3	25
5		Silane, diethylbutoxyhexyloxy-	260	C14H32O2Si	1000363-73-3	22



Data Path : Z:\HPCHEM1\BNA F\DATA\BF082817\
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Acq On : 29 Aug 2017 2:25
Operator : SJ/JU
Sample : I4965-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

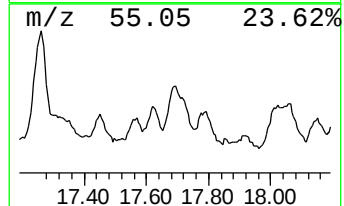
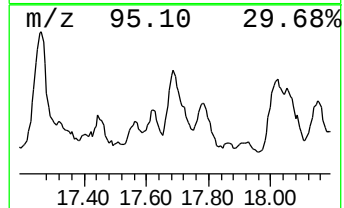
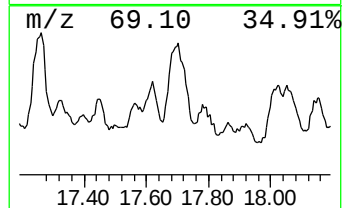
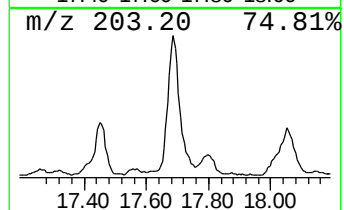
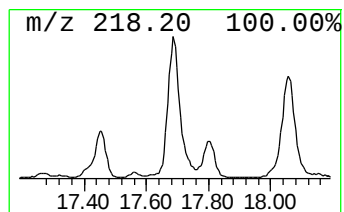
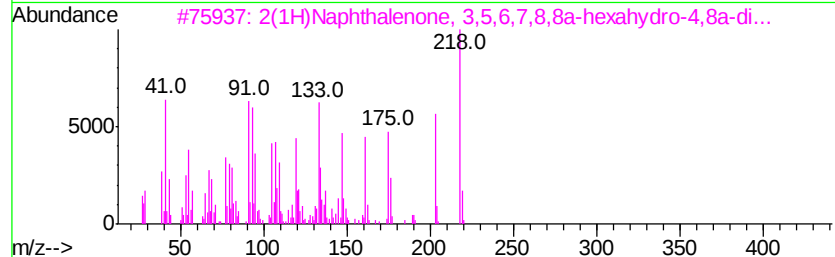
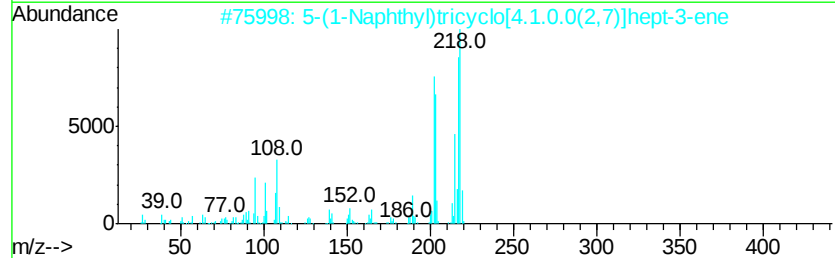
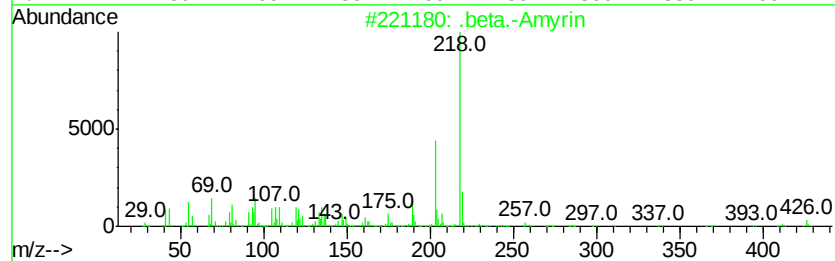
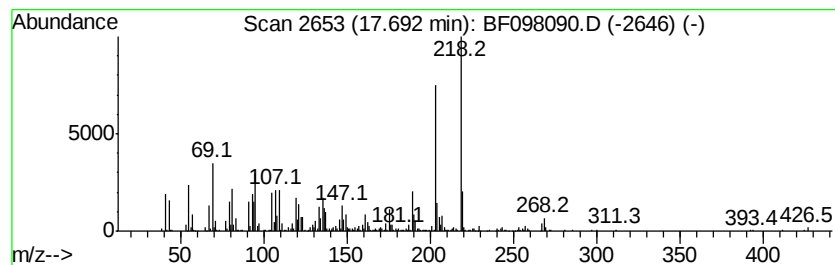
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 .beta.-Amyrin Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.69	69.73 ng	2272980	Perylene-d12	15.32
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		.beta.-Amyrin	426 C30H500	000559-70-6 81
2		5-(1-Naphthyl)tricyclo[4.1.0.0(2...	218 C17H14	107729-05-5 80
3		2(1H)Naphthalenone, 3,5,6,7,8,8a...	218 C15H220	1000188-66-5 76
4		2,9-Dimethyl-2,3,4,5,6,7-hexahyd...	203 C14H21N	077581-11-4 53
5		5H-Oxazolo[3,2-a]pyridine-8-carb...	218 C12H14N2O2	1000337-58-3 52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082817\
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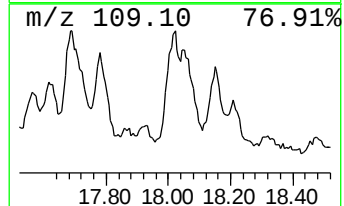
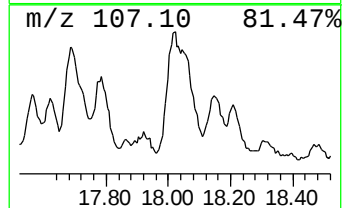
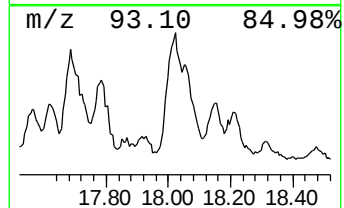
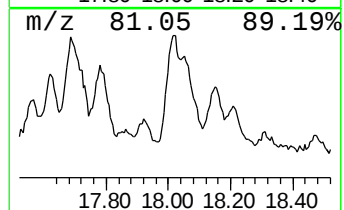
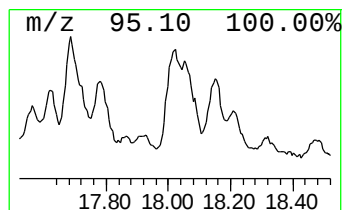
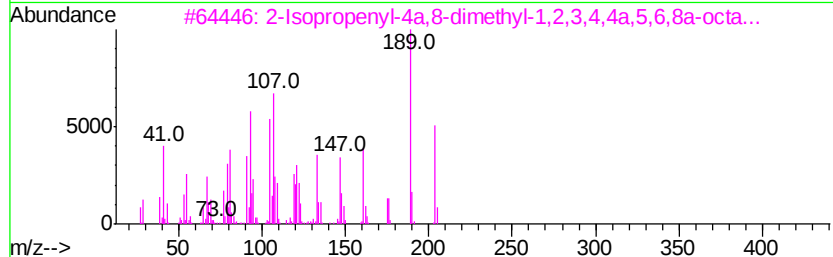
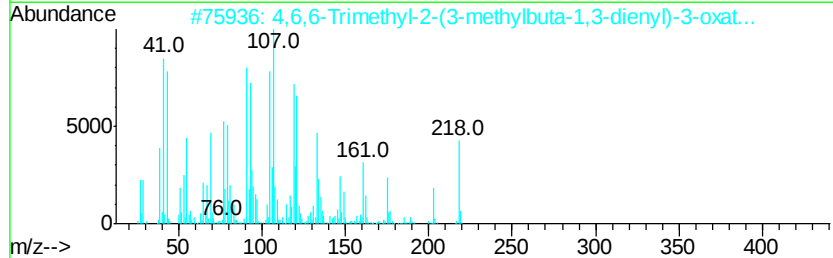
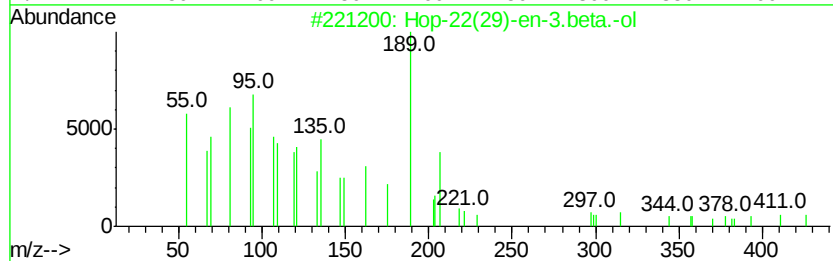
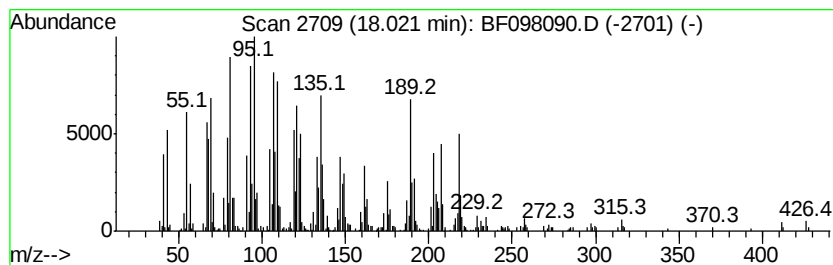
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Hop-22(29)-en-3.beta.-ol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	35.30 ng	1150580	Perylene-d12	15.32
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Hop-22(29)-en-3.beta.-ol	426 C30H50O	058801-23-3 62
2		4,6,6-Trimethyl-2-(3-methylbuta-...	218 C15H22O	1000190-22-2 53
3		2-Isopropenyl-4a,8-dimethyl-1,2,...	204 C15H24	1000193-57-0 46
4		Ledol	222 C15H26O	000577-27-5 41
5		Longifolenaldehyde	220 C15H24O	019890-84-7 38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF082817\
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ClientSampleId :
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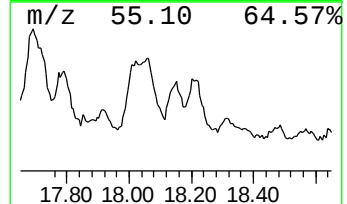
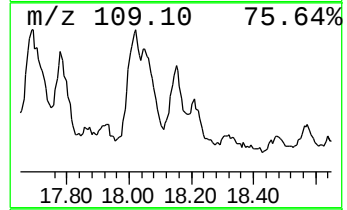
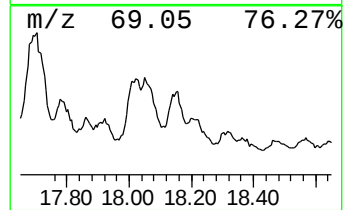
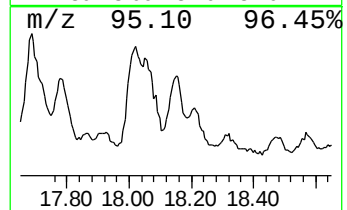
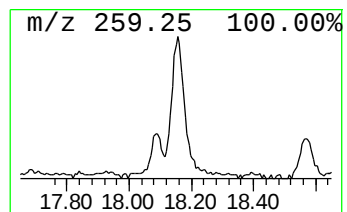
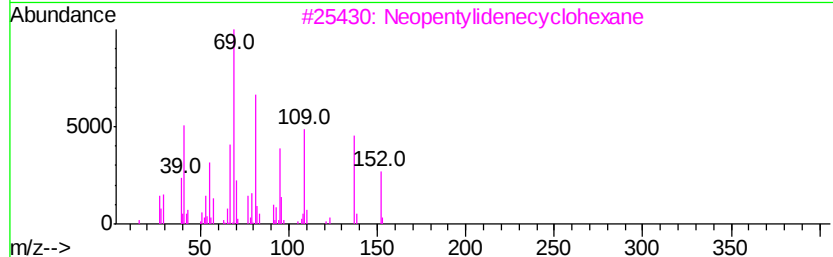
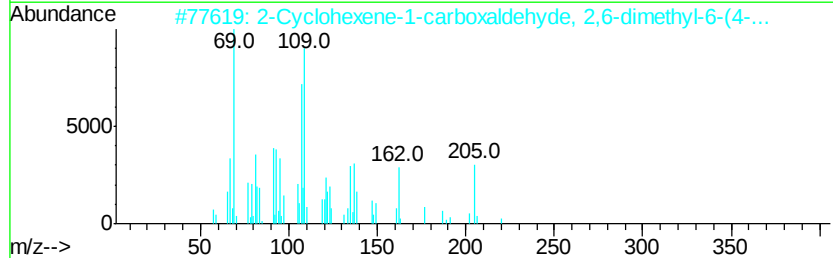
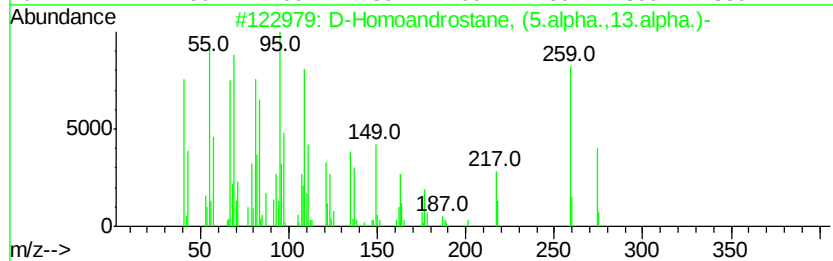
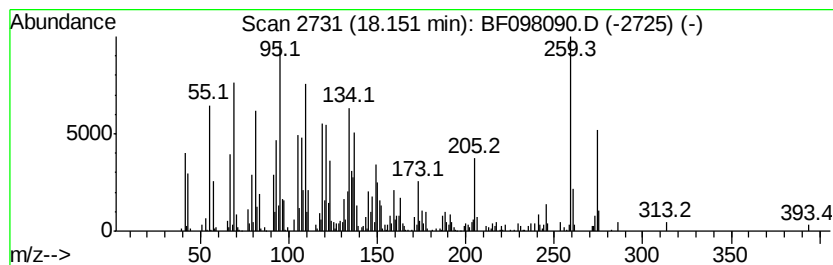
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 D-Homoandrostande, (5.alpha.... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	18.10 ng	589933	Perylene-d12	15.32

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			D-Homoandrostande, (5.alpha.,13.a...	274	C20H34	054482-31-4	59
2			2-Cyclohexene-1-carboxaldehyde, ...	220	C15H24O	056772-07-7	46
3			Neopentylidenecyclohexane	152	C11H20	039546-80-0	46
4			1,3-Benzenediol, 4-[(4-nitrophen...	259	C12H9N3O4	000074-39-5	27
5			1,3-DIETHYL-2-HYDROXYBENZOTHAZO...	274	C14H14N2O2S	1000227-15-3	25



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Data File : BF098090.D
Acq On : 29 Aug 2017 2:25
Operator : SJ/JU
Sample : I4965-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

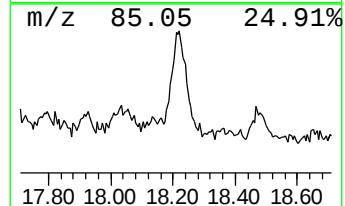
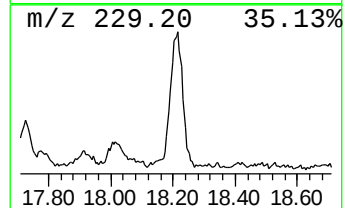
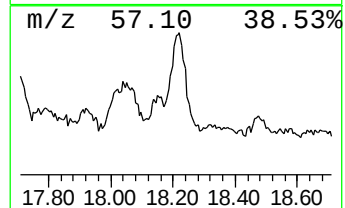
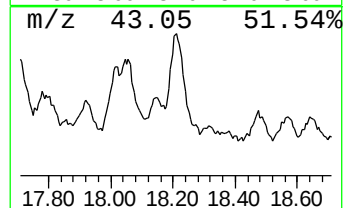
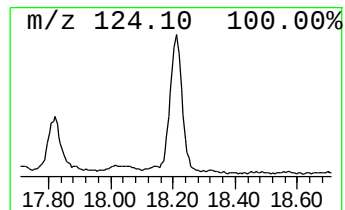
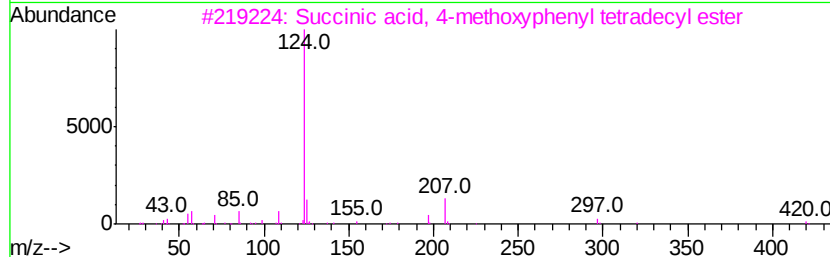
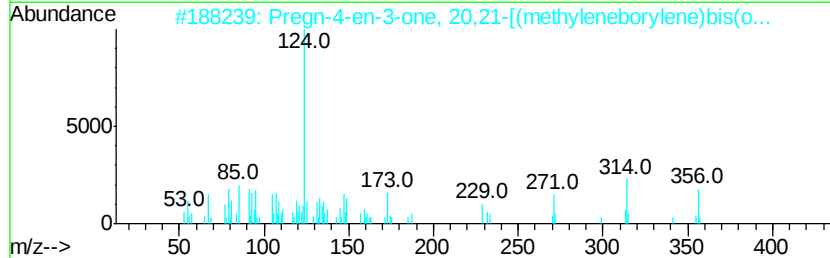
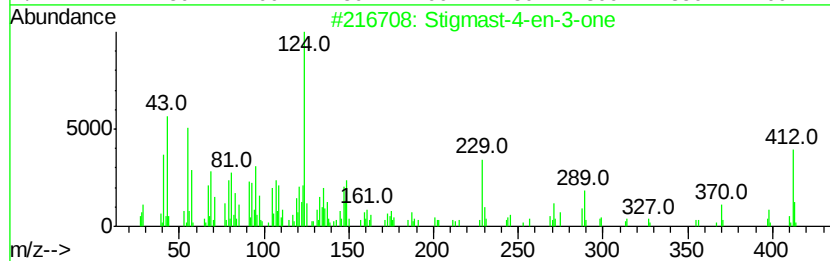
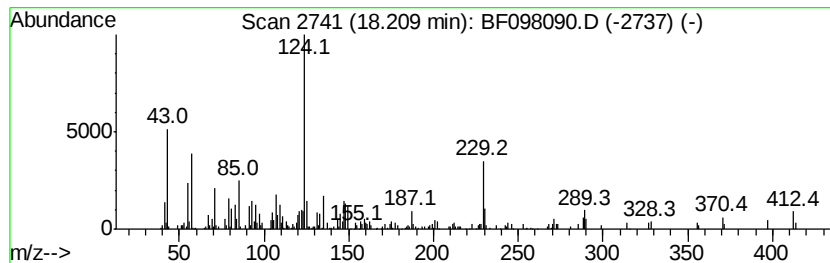
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-OLDCASTLE-CO

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 19 Stigmast-4-en-3-one Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.21	27.36 ng	891895	Perylene-d12	15.32
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Stigmast-4-en-3-one	412 C29H48O	001058-61-3 90
2		Pregn-4-en-3-one, 20,21-[(methyl...	356 C22H33B03	030882-65-6 60
3		Succinic acid, 4-methoxyphenyl t...	420 C25H40O5	1000325-80-1 47
4		Hvoscyamine	289 C17H23N03	000101-31-5 43
5		Isonicotinic acid, 3-pentadecyl ...	333 C21H35N02	1000299-90-2 43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082817\
 Data File : BF098090.D
 Acq On : 29 Aug 2017 2:25
 Operator : SJ/JU
 Sample : I4965-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-OLDCASTLE-CO

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
unknown6.51	6.51	73.8	ng	2616400	1	6.74	708634	20.0
n-Hexadecanoic acid	11.81	17.1	ng	850295	4	11.26	997268	20.0
Oleic Acid	12.52	17.8	ng	885630	4	11.26	997268	20.0
3-[4-Methoxypheny...	15.44	17.5	ng	569813	6	15.32	651971	20.0
1-Heptacosanol	15.81	15.1	ng	491985	6	15.32	651971	20.0
Ergosterol	16.58	21.2	ng	690067	6	15.32	651971	20.0
Neoergosterol	16.70	25.4	ng	826561	6	15.32	651971	20.0
Stigmasterol	16.86	21.1	ng	688722	6	15.32	651971	20.0
unknown17.03	17.03	105.6	ng	3442840	6	15.32	651971	20.0
.gamma.-Sitosterol	17.26	109.5	ng	3568760	6	15.32	651971	20.0
8-Amino-6,7-dimet...	17.45	16.5	ng	538432	6	15.32	651971	20.0
Azulene, 1,2,3,5,...	17.56	18.9	ng	616187	6	15.32	651971	20.0
unknown17.62	17.62	18.8	ng	613373	6	15.32	651971	20.0
.beta.-Amyrin	17.69	69.7	ng	2272980	6	15.32	651971	20.0
Hop-22(29)-en-3.b...	18.02	35.3	ng	1150580	6	15.32	651971	20.0
D-Homoandrostane,...	18.15	18.1	ng	589933	6	15.32	651971	20.0
Stigmast-4-en-3-one	18.21	27.4	ng	891895	6	15.32	651971	20.0
unknown19.20	19.20	22.4	ng	728500	6	15.32	651971	20.0