

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012319\
 Data File : BF112203.D
 Acq On : 23 Jan 2019 15:51
 Operator : JU/SJ
 Sample : K1220-03 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T-1

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.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	5.481	573	577	588	rBV	2011347	1943155	18.17%	1.325%
2	6.492	745	749	758	rBV	2234218	2241291	20.95%	1.528%
3	6.628	768	772	775	rBV	2495416	2227913	20.83%	1.519%
4	6.851	806	810	817	rBV	1742892	1450422	13.56%	0.989%
5	7.010	833	837	840	rBV	2128985	1935940	18.10%	1.320%
6	7.269	873	881	885	rBV2	159890	216670	2.03%	0.148%
7	7.410	899	905	909	rBV	1637210	1534310	14.34%	1.046%
8	7.875	981	984	987	rVB	422398	335294	3.13%	0.229%
9	8.039	1008	1012	1014	rBV	190315	194494	1.82%	0.133%
10	8.133	1024	1028	1030	rVV	2042833	1647743	15.40%	1.123%
11	8.157	1030	1032	1035	rVB	514739	393787	3.68%	0.268%
12	8.280	1051	1053	1062	rBV2	186945	267398	2.50%	0.182%
13	8.845	1145	1149	1151	rBV3	193246	196804	1.84%	0.134%
14	8.875	1151	1154	1157	rVB	516094	430943	4.03%	0.294%
15	8.998	1172	1175	1178	rVV2	280913	258078	2.41%	0.176%
16	9.033	1178	1181	1187	rVB	489008	435669	4.07%	0.297%
17	9.204	1206	1210	1214	rVB	3083119	2599319	24.30%	1.772%
18	9.351	1232	1235	1240	rVB2	507913	603535	5.64%	0.411%
19	9.469	1252	1255	1261	rVB4	230526	380038	3.55%	0.259%
20	9.522	1261	1264	1266	rBV	412098	408392	3.82%	0.278%
21	9.545	1266	1268	1271	rVV	1084875	1025135	9.58%	0.699%
22	9.598	1274	1277	1282	rVB	304016	349726	3.27%	0.238%
23	9.645	1282	1285	1287	rBV3	155351	171891	1.61%	0.117%
24	9.804	1308	1312	1317	rVB2	468753	510986	4.78%	0.348%
25	9.886	1323	1326	1329	rBV2	1869672	1774396	16.59%	1.210%
26	9.916	1329	1331	1335	rVB2	1037072	934030	8.73%	0.637%
27	10.010	1341	1347	1350	rBV2	1064845	1132851	10.59%	0.772%
28	10.039	1350	1352	1356	rVB	536829	576009	5.38%	0.393%
29	10.092	1357	1361	1364	rBV	592718	598558	5.60%	0.408%
30	10.180	1374	1376	1379	rVB	334015	264084	2.47%	0.180%
31	10.298	1392	1396	1402	rBV	655340	639288	5.98%	0.436%
32	10.433	1416	1419	1423	rBV	584655	526560	4.92%	0.359%
33	10.598	1443	1447	1448	rBV2	271194	376573	3.52%	0.257%
34	10.645	1452	1455	1458	rBV	1025256	1051093	9.83%	0.717%

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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.680	1458	1461	1464	rVB	1512885	1387324	12.97%	0.946%
36	10.716	1464	1467	1471	rBV4	254975	315765	2.95%	0.215%
37	10.798	1477	1481	1487	rVB2	593245	744660	6.96%	0.508%
38	10.974	1505	1511	1515	rVV3	476172	591694	5.53%	0.403%
39	11.045	1519	1523	1525	rVV2	453394	460711	4.31%	0.314%
40	11.116	1533	1535	1539	rVB3	211157	173794	1.62%	0.118%
41	11.180	1543	1546	1549	rVB2	160842	172463	1.61%	0.118%
42	11.269	1559	1561	1563	rBV	201674	175946	1.64%	0.120%
43	11.374	1574	1579	1581	rBV	2003850	2104758	19.68%	1.435%
44	11.398	1581	1583	1586	rVV	2060797	1770340	16.55%	1.207%
45	11.427	1586	1588	1590	rVV	809432	586881	5.49%	0.400%
46	11.451	1590	1592	1595	rVB	456543	354338	3.31%	0.242%
47	11.480	1595	1597	1599	rBV2	341052	326787	3.06%	0.223%
48	11.510	1599	1602	1606	rVB	699387	709421	6.63%	0.484%
49	11.551	1606	1609	1612	rVB2	287540	288355	2.70%	0.197%
50	11.586	1612	1615	1617	rBV2	287096	298118	2.79%	0.203%
51	11.669	1626	1629	1634	rBV6	157483	281697	2.63%	0.192%
52	11.721	1634	1638	1640	rVV	320083	357547	3.34%	0.244%
53	11.757	1640	1644	1648	rVB3	406302	476810	4.46%	0.325%
54	11.839	1655	1658	1659	rBV2	168398	173024	1.62%	0.118%
55	11.863	1659	1662	1667	rVV2	1139926	1239906	11.59%	0.845%
56	11.933	1667	1674	1677	rVV2	4301334	6946823	64.94%	4.736%
57	11.992	1681	1684	1686	rVB2	411902	410809	3.84%	0.280%
58	12.074	1692	1698	1700	rBV2	730438	1023489	9.57%	0.698%
59	12.116	1703	1705	1709	rVV2	357967	379896	3.55%	0.259%
60	12.151	1709	1711	1717	rVV3	601485	998170	9.33%	0.680%
61	12.204	1717	1720	1723	rVB2	596940	517166	4.83%	0.353%
62	12.233	1723	1725	1728	rBV3	286884	331168	3.10%	0.226%
63	12.263	1728	1730	1733	rVB2	291640	230538	2.16%	0.157%
64	12.321	1733	1740	1743	rBV2	1786967	2199719	20.56%	1.500%
65	12.351	1743	1745	1747	rBV2	305755	250620	2.34%	0.171%
66	12.374	1747	1749	1752	rVB2	217558	176276	1.65%	0.120%
67	12.404	1752	1754	1755	rBV	271774	203382	1.90%	0.139%
68	12.515	1770	1773	1779	rBV	2143877	2164394	20.23%	1.475%
69	12.592	1783	1786	1788	rBV	2337824	2303678	21.54%	1.570%
70	12.633	1788	1793	1802	rVB2	7202310	10696728	100.00%	7.292%
71	12.704	1802	1805	1808	rBV	1357501	1207524	11.29%	0.823%

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Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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72	12.792	1817	1820	1821	rBV	521238	505429	4.73%	0.345%
73	12.821	1823	1825	1828	rVB	1337307	1186508	11.09%	0.809%
74	12.957	1845	1848	1852	rVB	2309439	2101323	19.64%	1.432%
75	13.068	1864	1867	1870	rVB	388145	310237	2.90%	0.211%
76	13.104	1870	1873	1875	rBV	1041815	876882	8.20%	0.598%
77	13.339	1910	1913	1915	rBV3	339105	392997	3.67%	0.268%
78	13.374	1915	1919	1921	rVV2	517900	888681	8.31%	0.606%
79	13.398	1921	1923	1926	rVV2	1240843	1490548	13.93%	1.016%
80	13.439	1927	1930	1932	rVV2	1022657	1378055	12.88%	0.939%
81	13.468	1932	1935	1937	rVB	1846402	1765074	16.50%	1.203%
82	13.857	1995	2001	2007	rVB2	1923704	3586470	33.53%	2.445%
83	13.998	2023	2025	2026	rBV	414485	340803	3.19%	0.232%
84	14.027	2026	2030	2032	rVV2	1762329	2034914	19.02%	1.387%
85	14.174	2053	2055	2058	rVB	508474	436642	4.08%	0.298%
86	14.486	2104	2108	2114	rBV2	2455711	3061072	28.62%	2.087%
87	14.862	2169	2172	2177	rVB	2854742	2891164	27.03%	1.971%
88	15.133	2213	2218	2221	rBV	5549527	7426013	69.42%	5.062%
89	15.504	2277	2281	2285	rBV	1637979	2111084	19.74%	1.439%
90	15.956	2351	2358	2362	rVV	4337312	7269208	67.96%	4.955%
91	16.004	2362	2366	2373	rVB	784825	1231352	11.51%	0.839%
92	16.227	2400	2404	2411	rVB	1500611	2567542	24.00%	1.750%
93	17.003	2530	2536	2541	rBV5	606358	1523558	14.24%	1.039%
94	17.062	2543	2546	2553	rVB	925203	1638698	15.32%	1.117%
95	17.145	2557	2560	2565	rVV4	333630	542720	5.07%	0.370%
96	17.603	2626	2638	2641	rBV4	2864503	9304933	86.99%	6.343%
97	18.045	2708	2713	2724	rBV2	765599	2046039	19.13%	1.395%
98	18.315	2753	2759	2764	rVB2	756984	1726162	16.14%	1.177%
99	18.409	2765	2775	2791	rVB3	2510911	9340912	87.32%	6.368%
100	18.621	2804	2811	2822	rVB3	1370310	4051700	37.88%	2.762%

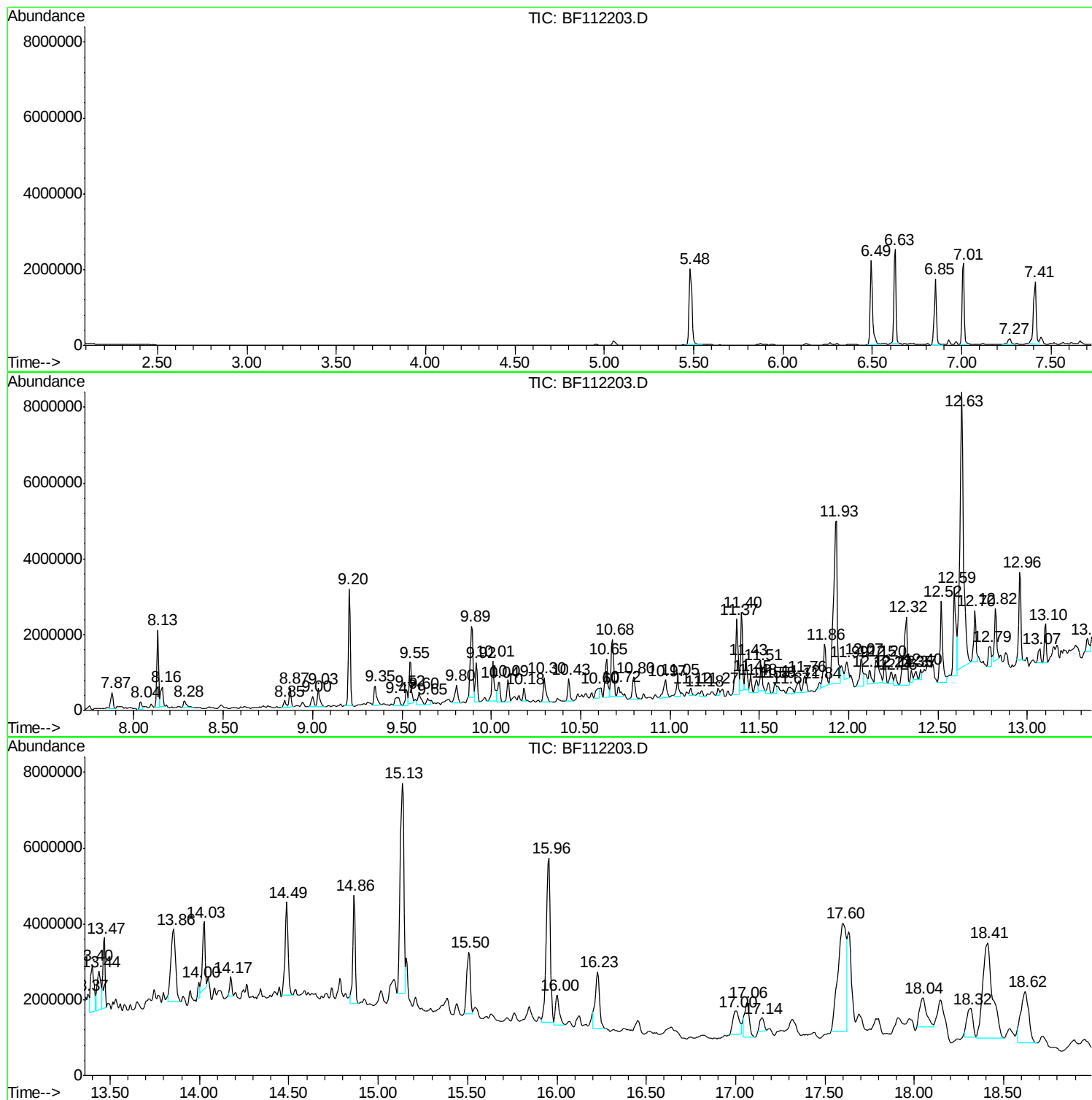
Sum of corrected areas: 146689814

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Instrument :
BNA_F
ClientSampled :
T-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.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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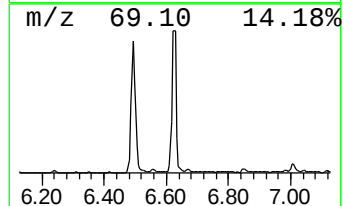
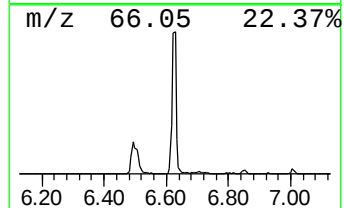
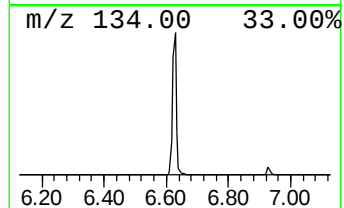
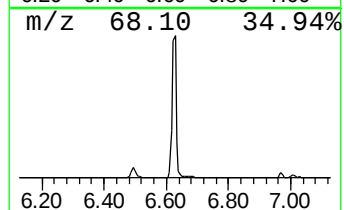
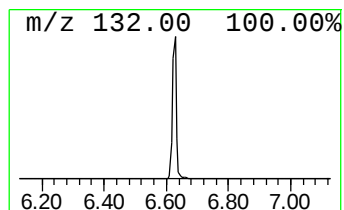
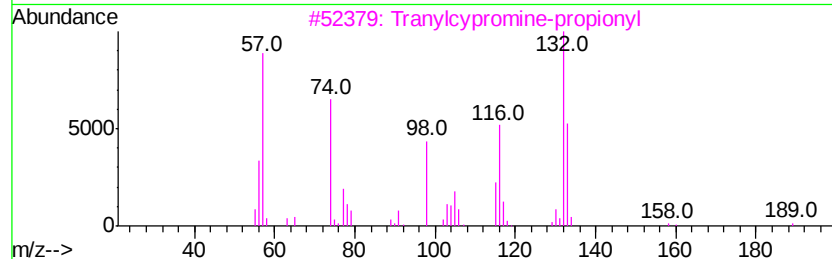
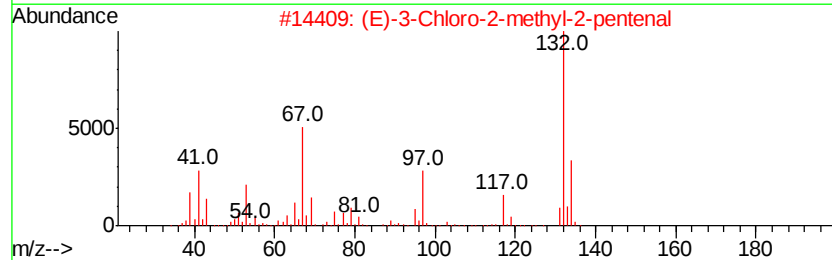
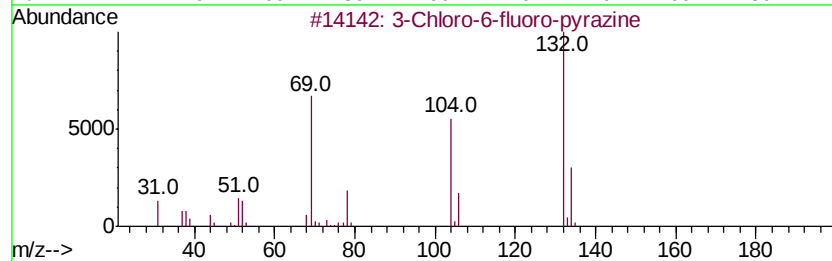
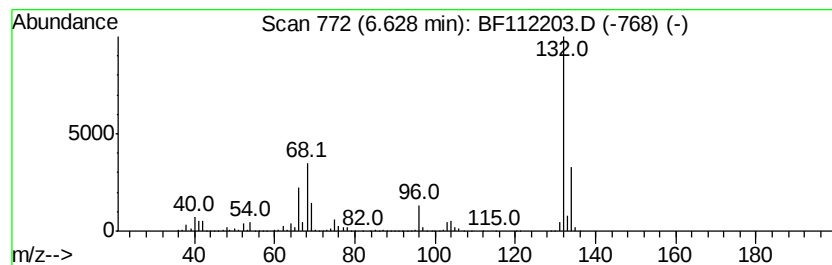
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.63 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	30.72 ng	2227910	1,4-Dichlorobenzene-d4	6.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	16
4		5-Aminoindole	132	C8H8N2	005192-03-0	16
5		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9



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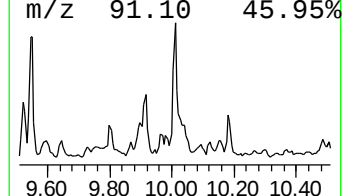
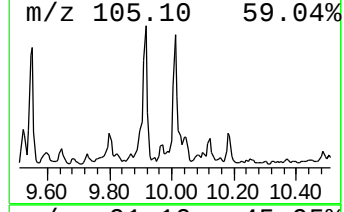
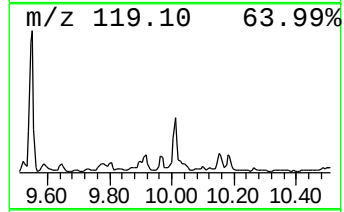
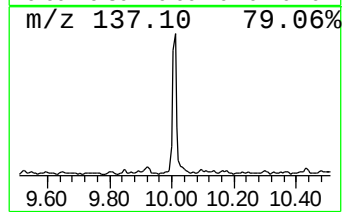
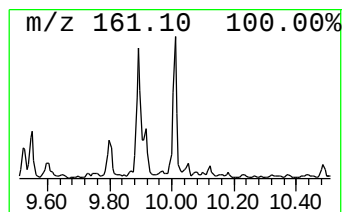
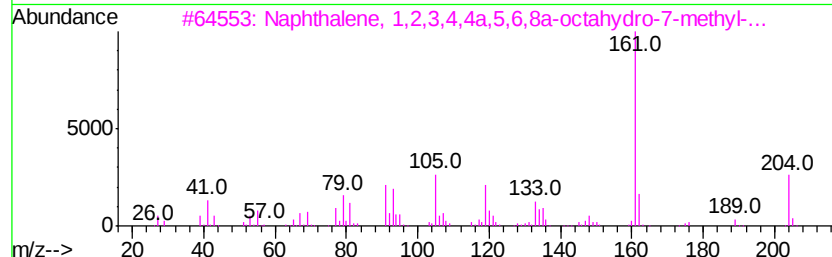
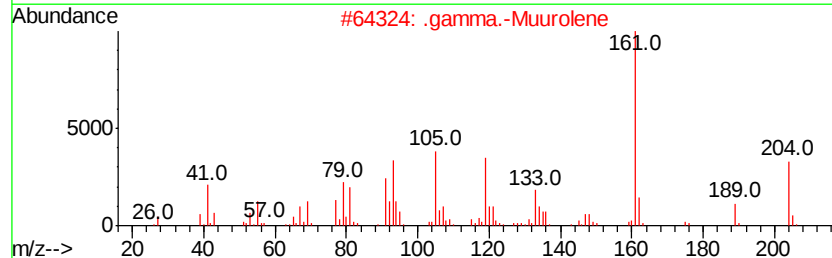
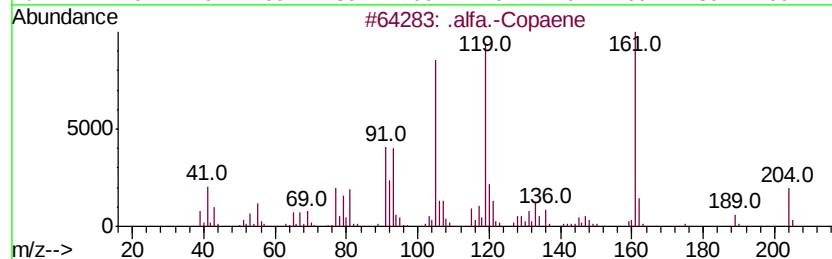
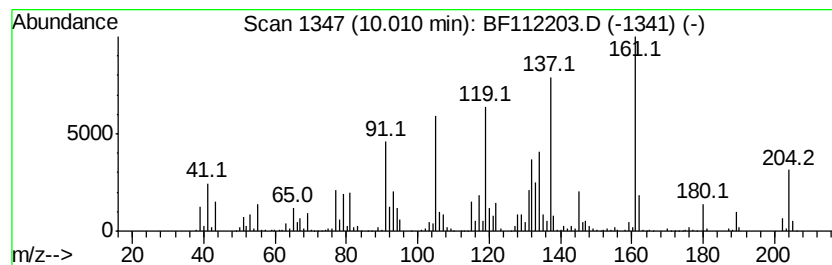
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 .alfa.-Copaene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.01	12.77 ng	1132850	Acenaphthene-d10	9.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	.alfa.-Copaene	204	C15H24	1000360-33-0	84
2		.gamma.-Muurolene	204	C15H24	030021-74-0	56
3		Naphthalene, 1,2,3,4,4a,5,6,8a-o...	204	C15H24	039029-41-9	55
4		Naphthalene, 1,2,3,5,6,8a-hexahy...	204	C15H24	000483-76-1	55
5		.alpha.-Cubebene	204	C15H24	017699-14-8	42



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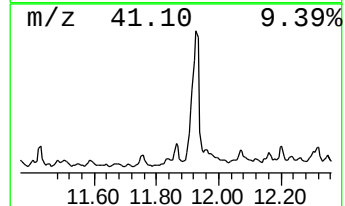
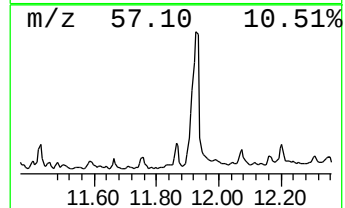
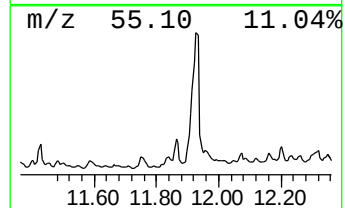
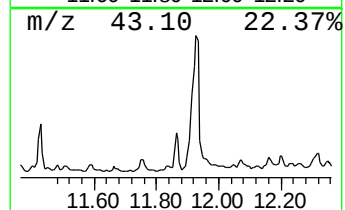
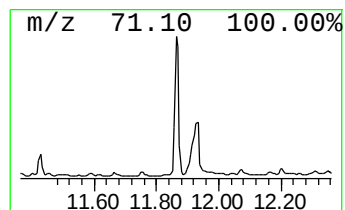
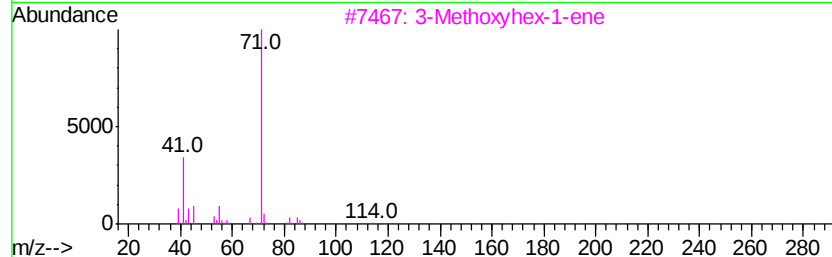
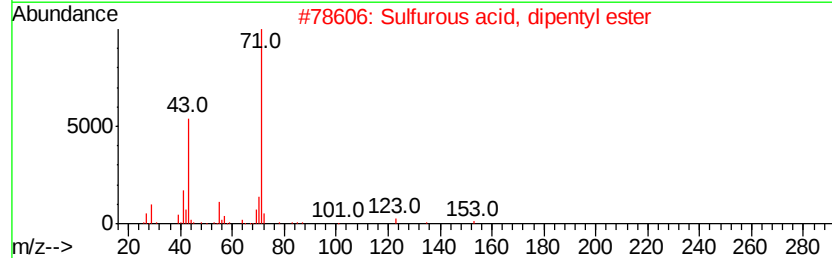
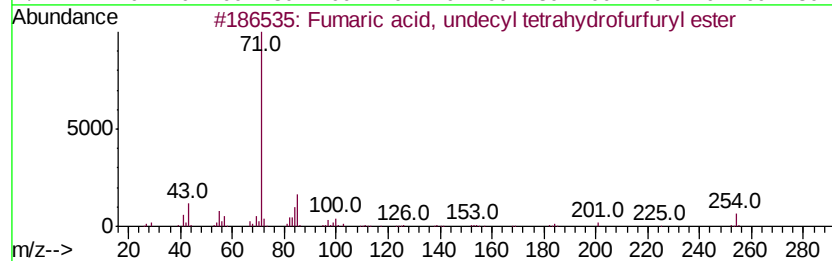
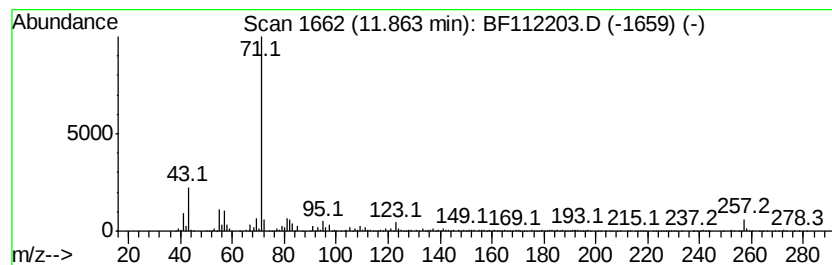
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Fumaric acid, undecyl tetra... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	11.78 ng	1239910	Phenanthrene-d10	11.37

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fumaric acid, undecyl tetrahydro...	354	C20H34O5	1000330-58-5	64	
2	Sulfurous acid, dipentyl ester	222	C10H22O3S	1000309-13-9	59	
3	3-Methoxyhex-1-ene	114	C7H14O	108811-41-2	53	
4	Butane, 2-iodo-3-methyl-	198	C5H11I	018295-27-7	53	
5	Succinic acid, tetrahydrofurfury...	356	C20H36O5	1000329-86-9	50	



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012319\
Data File : BF112203.D
Acq On : 23 Jan 2019 15:51
Operator : JU/SJ
Sample : K1220-03 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

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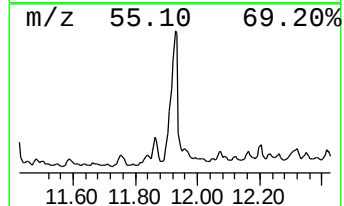
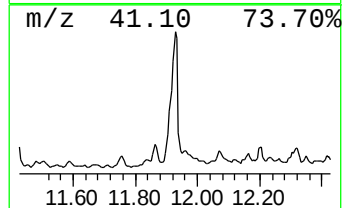
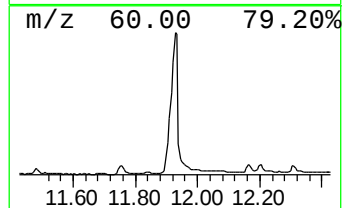
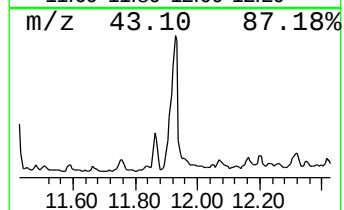
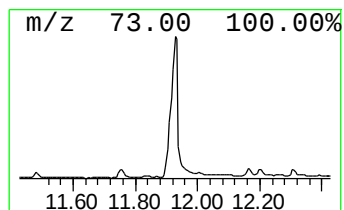
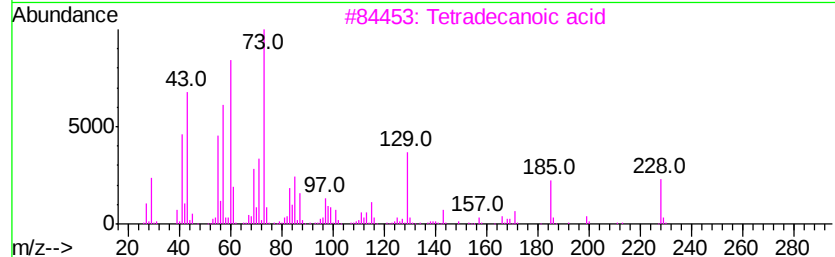
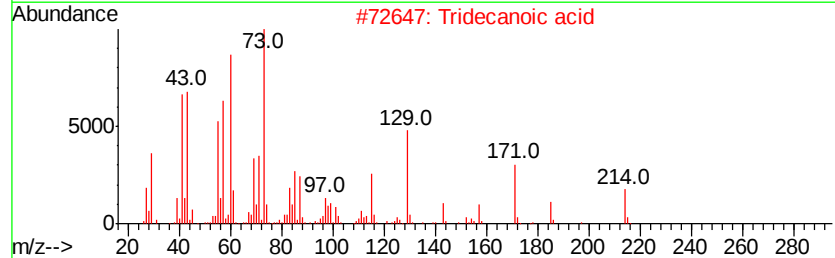
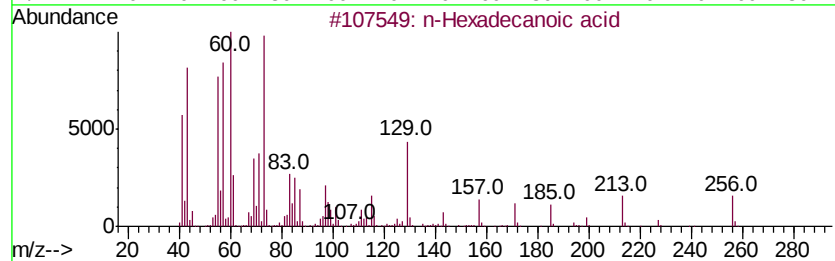
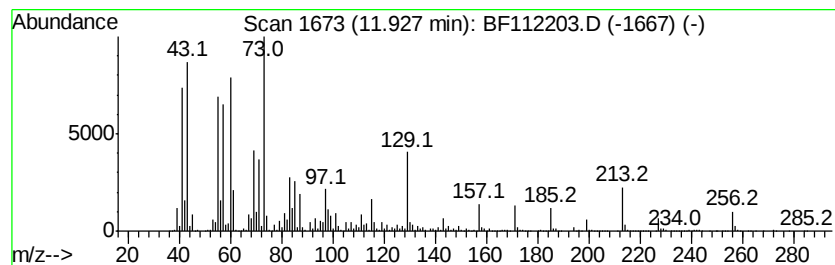
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	66.01 ng	6946820	Phenanthrene-d10	11.37

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2		Tridecanoic acid	214	C13H26O2	000638-53-9	94
3		Tetradecanoic acid	228	C14H28O2	000544-63-8	91
4		Pentadecanoic acid	242	C15H30O2	001002-84-2	90
5		Undecanoic acid	186	C11H22O2	000112-37-8	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012319\
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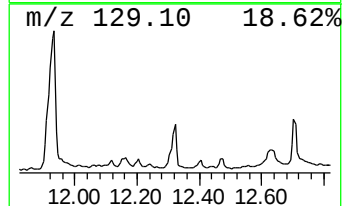
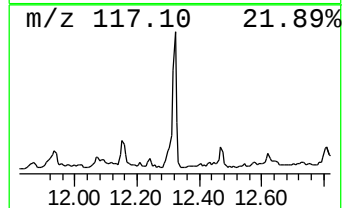
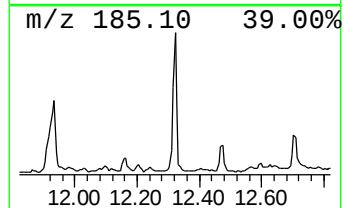
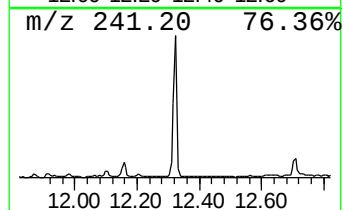
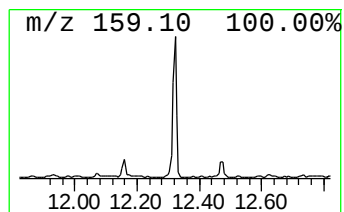
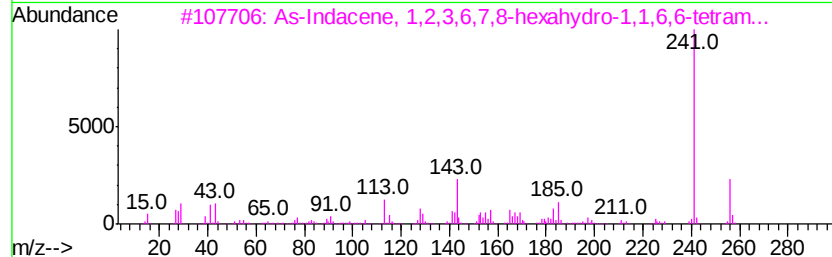
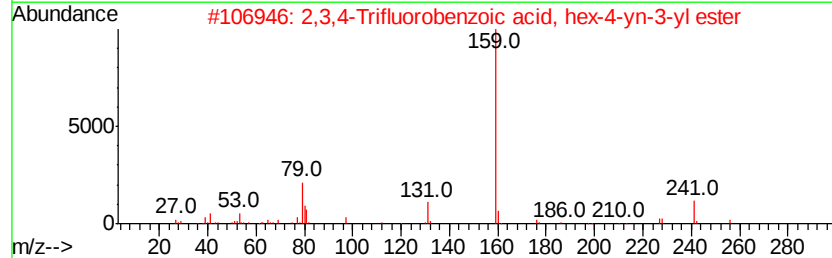
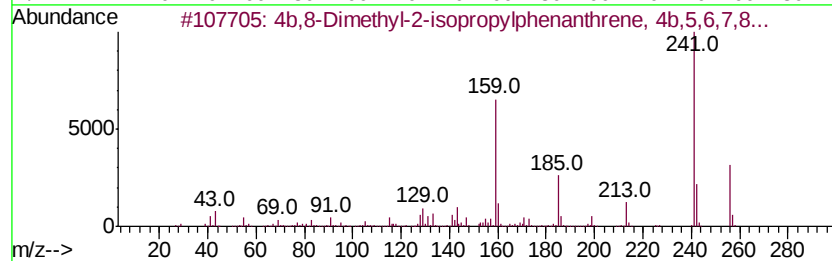
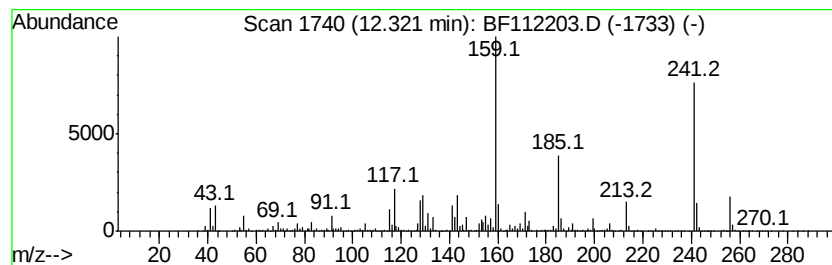
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 4b,8-Dimethyl-2-isopropylph... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	20.90 ng	2199720	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	98
2		2,3,4-Trifluorobenzoic acid, hex...	256	C13H11F3O2	1000292-55-4	50
3		As-Indacene, 1,2,3,6,7,8-hexahyd...	256	C19H28	017465-47-3	22
4		1-Ethyl-1-octanovloxy-1-silacycl...	270	C15H30O2Si	1000279-86-3	22
5		1H-Benz[de]isoquinoline-1,3(2H)-...	241	C14H11N03	003271-05-4	22



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012319\
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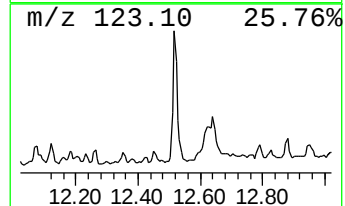
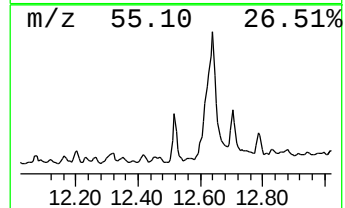
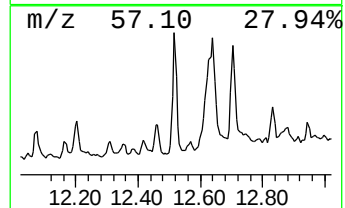
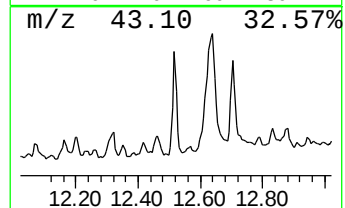
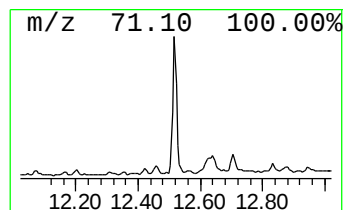
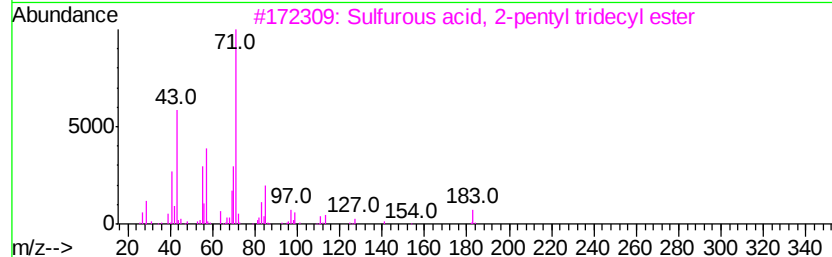
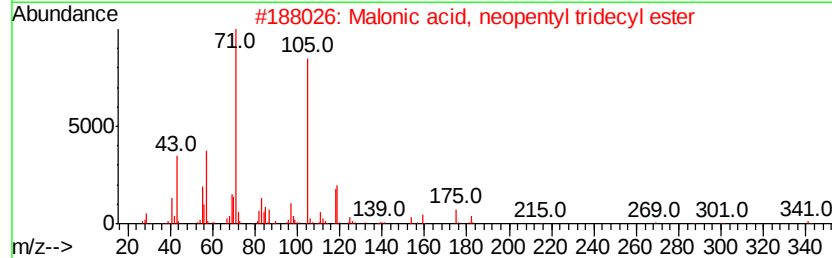
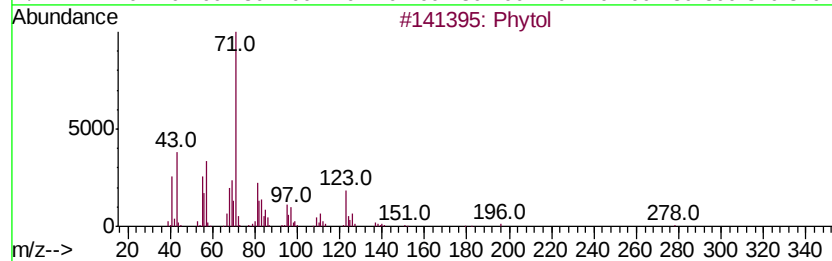
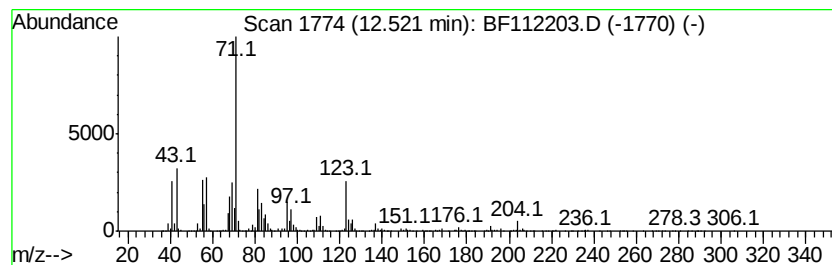
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phytol Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	20.57 ng	2164390	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phytol	296	C20H40O	000150-86-7	87
2		Malonic acid, neopentyl tridecyl...	356	C21H40O4	1000363-93-6	53
3		Sulfurous acid, 2-pentyl tridecyl...	334	C18H38O3S	1000309-16-2	50
4		Butyric acid, 3-pentadecyl ester	298	C19H38O2	1000280-57-3	50
5		Butyric acid, 2-pentadecyl ester	298	C19H38O2	107853-73-6	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012319\
Data File : BF112203.D
Acq On : 23 Jan 2019 15:51
Operator : JU/SJ
Sample : K1220-03 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

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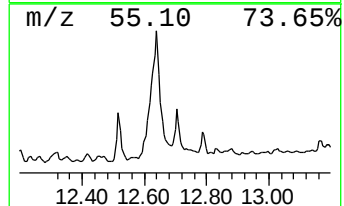
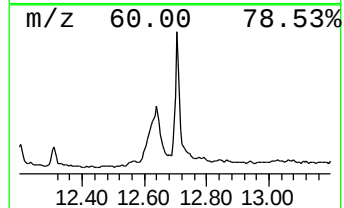
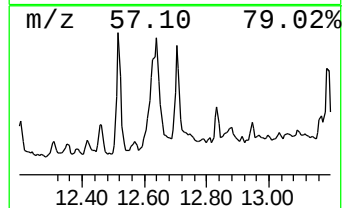
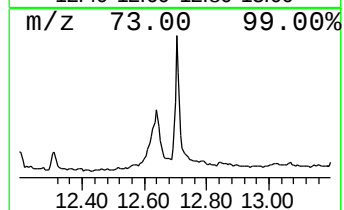
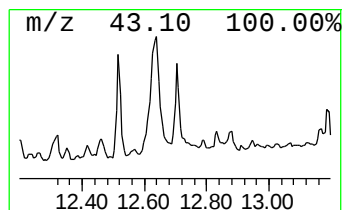
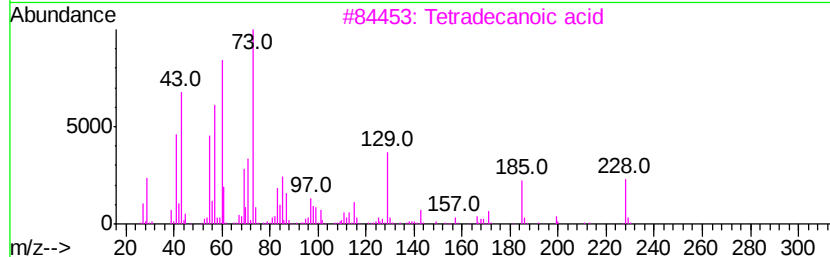
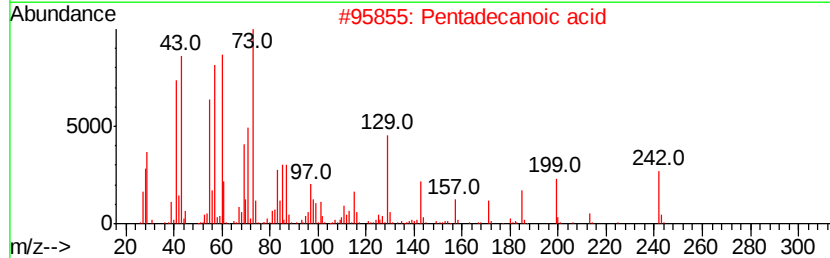
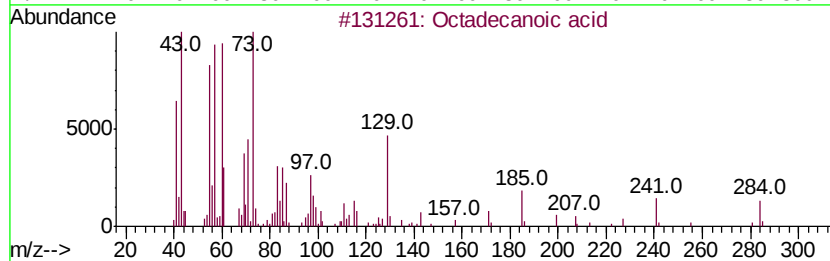
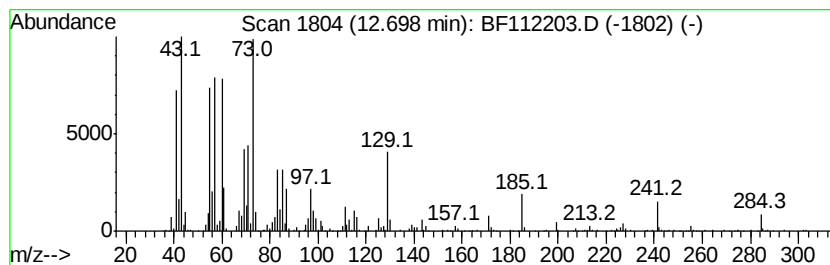
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Octadecanoic acid Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	11.87 ng	1207520	Chrysene-d12	14.03

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octadecanoic acid	284	C18H36O2	000057-11-4	99
2		Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3		Tetradecanoic acid	228	C14H28O2	000544-63-8	87
4		Tridecanoic acid	214	C13H26O2	000638-53-9	76
5		n-Decanoic acid	172	C10H20O2	000334-48-5	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012319\
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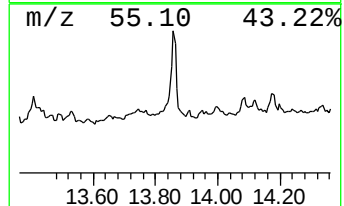
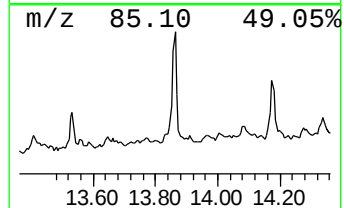
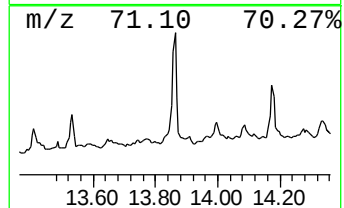
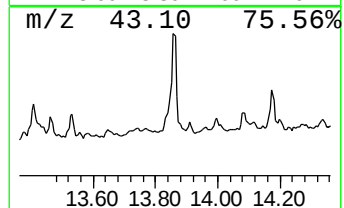
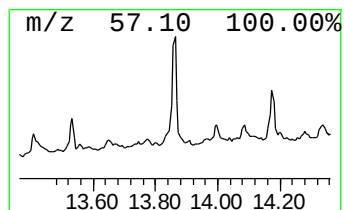
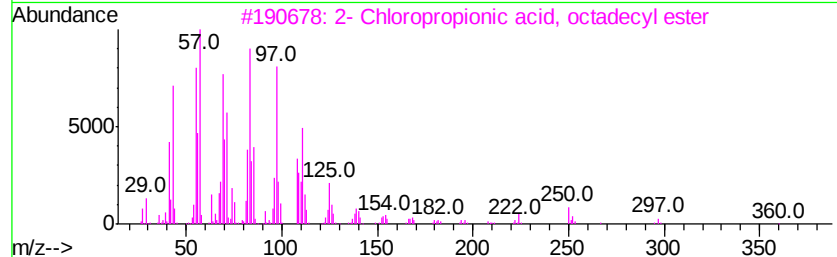
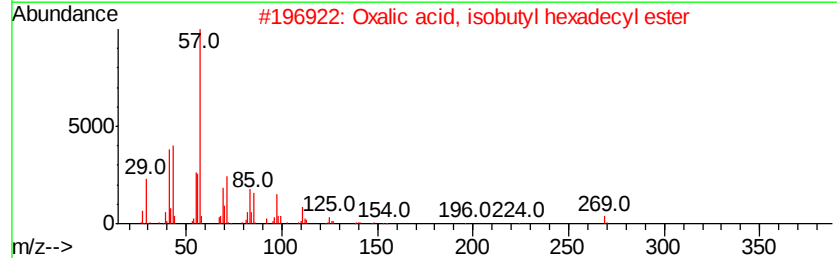
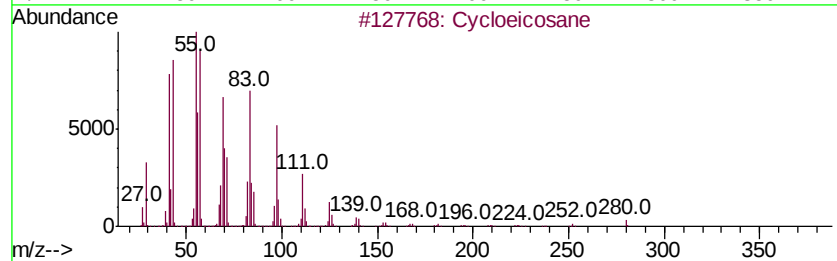
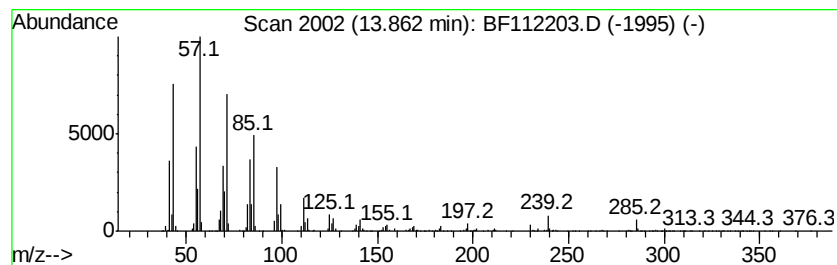
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 9 Cycloeicosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	35.25 ng	3586470	Chrysene-d12	14.03
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cycloeicosane	280 C20H40	000296-56-0 70
2		Oxalic acid, isobutyl hexadecyl ...	370 C22H42O4	1000309-38-1 68
3		2- Chloropropionic acid, octadec...	360 C21H41ClO2	088104-31-8 55
4		Heptadecyl heptafluorobutyrate	452 C21H35F7O2	959085-66-6 55
5		Octadecyl trifluoroacetate	366 C20H37F3O2	079392-43-1 55



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012319\
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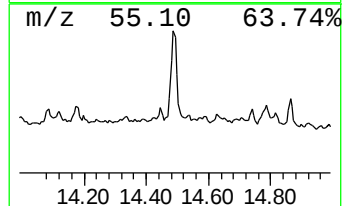
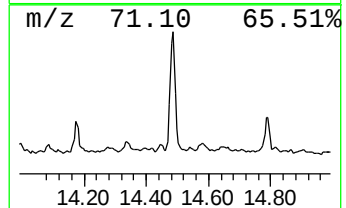
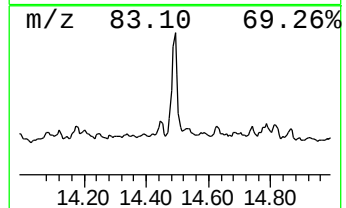
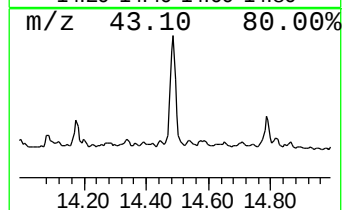
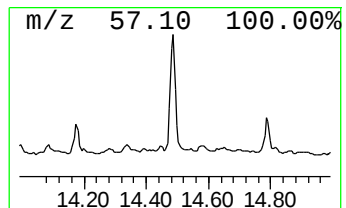
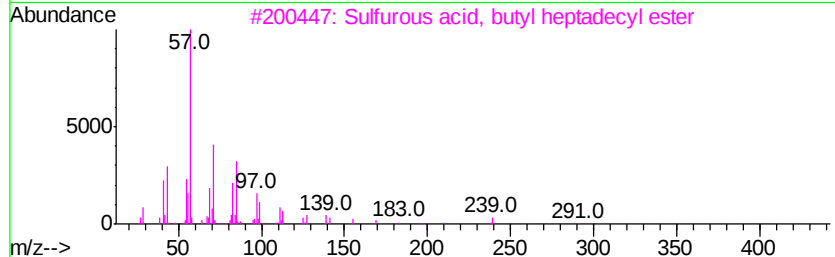
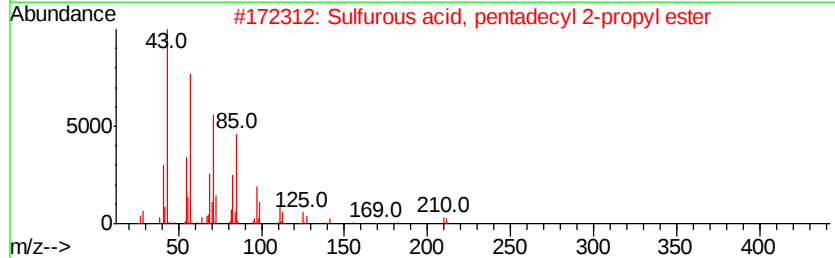
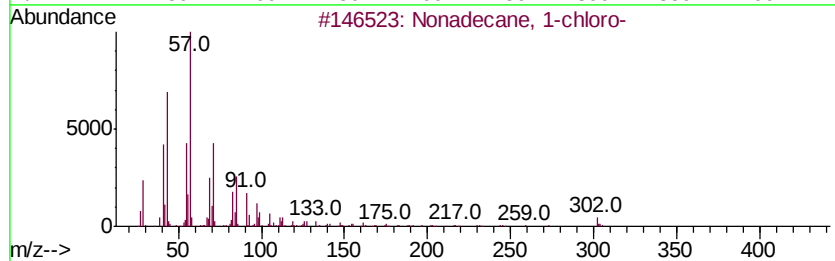
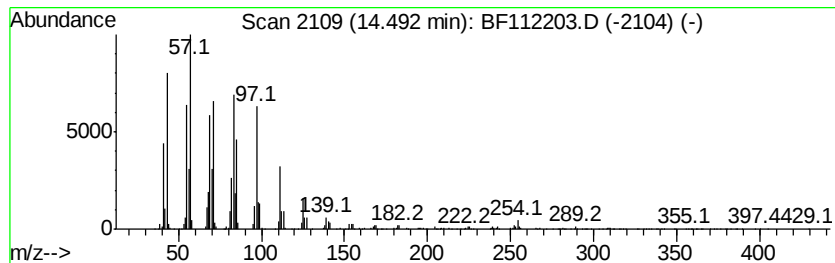
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Nonadecane, 1-chloro- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.49	30.09 ng	3061070	Chrysene-d12	14.03		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Nonadecane, 1-chloro-	302	C19H39Cl	062016-76-6	93
2		Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	91
3		Sulfurous acid, butyl heptadecyl...	376	C21H44O3S	1000309-18-4	83
4		Hexacosane	366	C26H54	000630-01-3	74
5		Eicosane	282	C20H42	000112-95-8	68



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012319\
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Misc :
ALS Vial : 10 Sample Multiplier: 1

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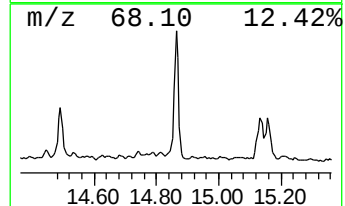
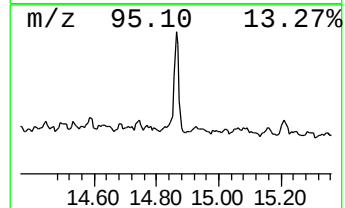
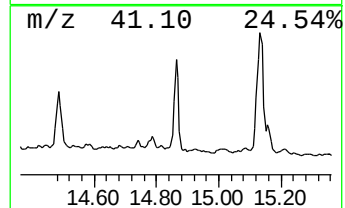
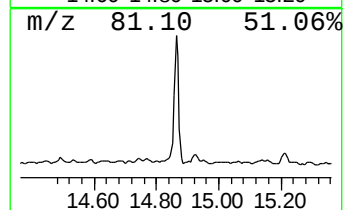
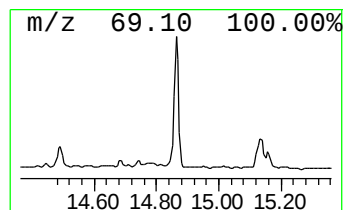
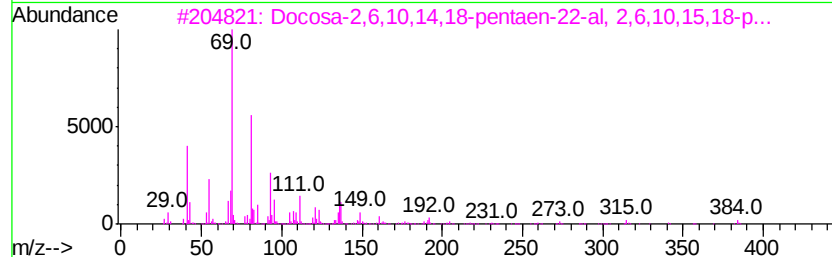
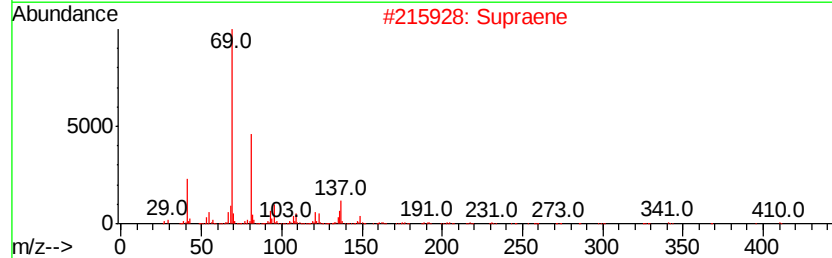
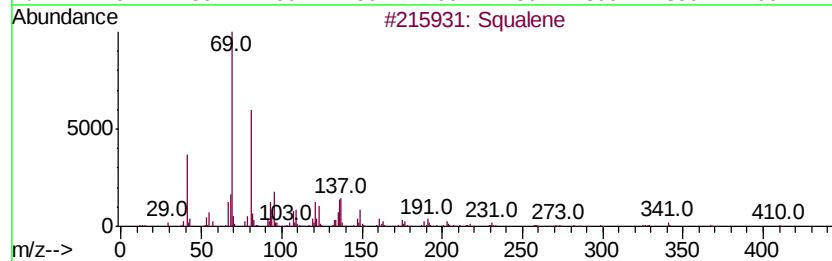
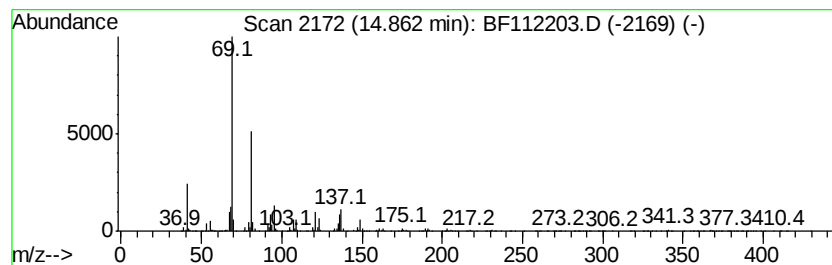
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Squalene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	27.39 ng	2891160	Perylene-d12	15.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Squalene	410	C30H50	000111-02-4	94
2		Supraene	410	C30H50	007683-64-9	91
3		Docosa-2,6,10,14,18-pentaen-22-a...	384	C27H44O	1000163-04-7	90
4		2,6,10,14-Hexadecatetraenoic aci...	318	C21H34O2	042207-88-5	72
5		4-Methyl-1,5-Heptadiene	110	C8H14	000998-94-7	50



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Data File : BF112203.D
Acq On : 23 Jan 2019 15:51
Operator : JU/SJ
Sample : K1220-03 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

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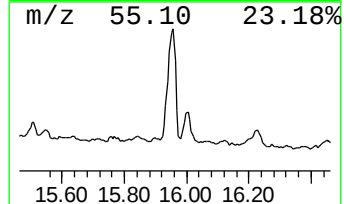
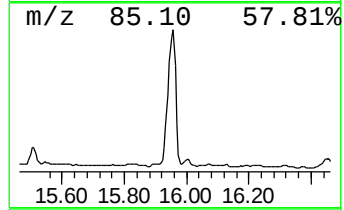
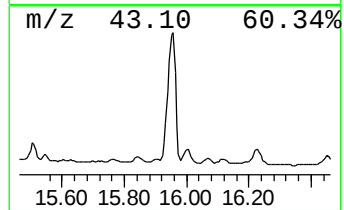
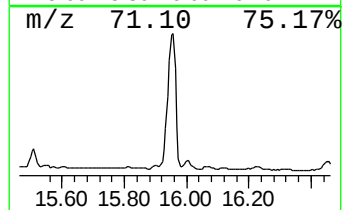
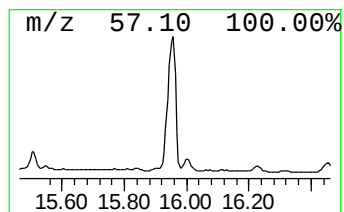
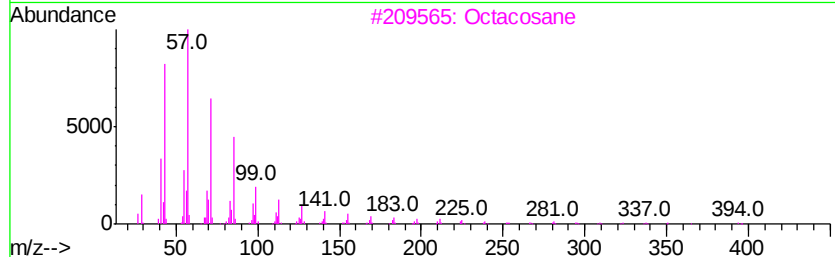
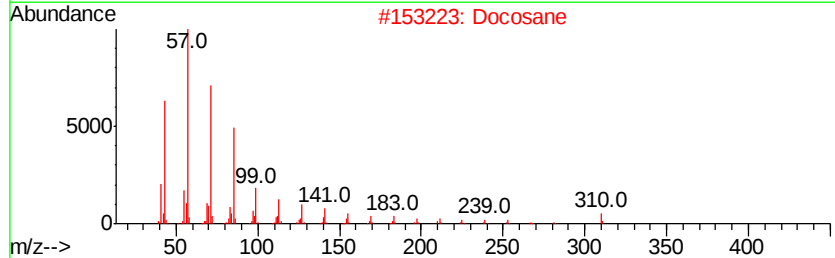
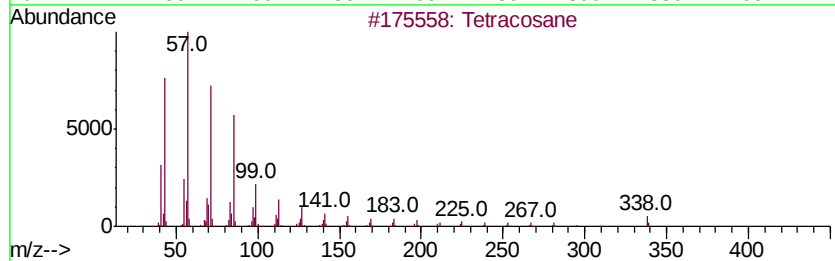
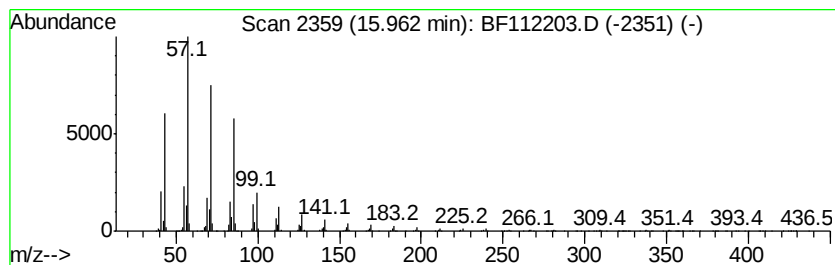
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Tetracosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.96	68.87 ng	7269210	Perylene-d12	15.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetracosane	338	C24H50	000646-31-1	97
2		Docosane	310	C22H46	000629-97-0	95
3		Octacosane	394	C28H58	000630-02-4	95
4		Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	94
5		Docosane, 7-hexyl-	394	C28H58	055373-86-9	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012319\
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Acq On : 23 Jan 2019 15:51
Operator : JU/SJ
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Misc :
ALS Vial : 10 Sample Multiplier: 1

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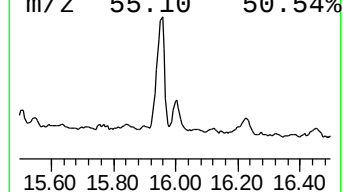
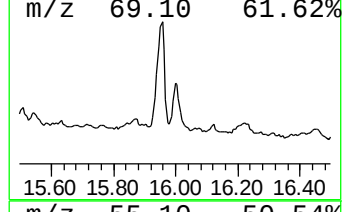
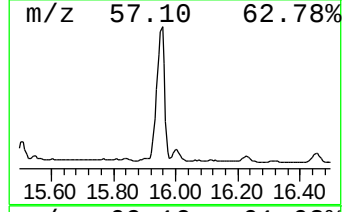
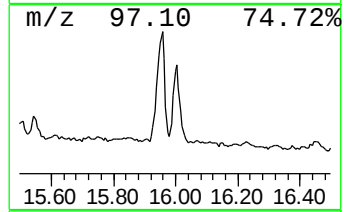
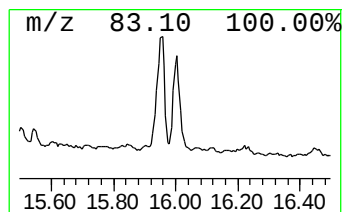
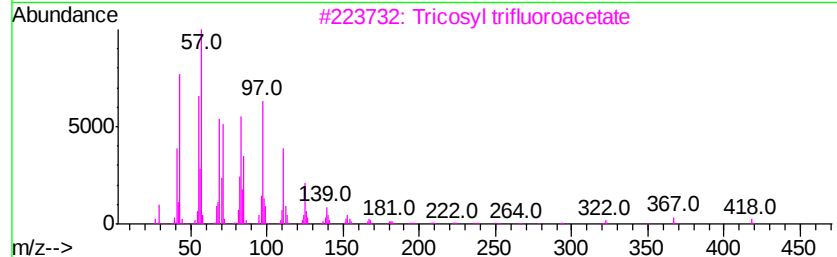
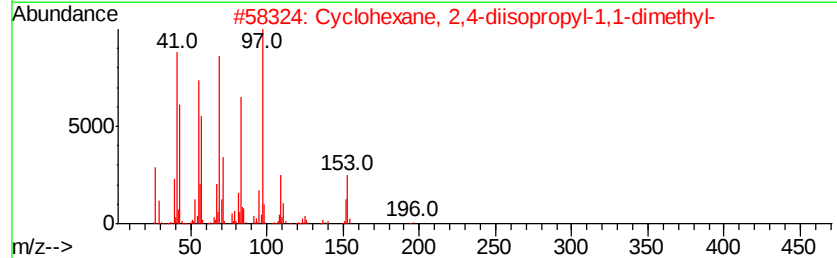
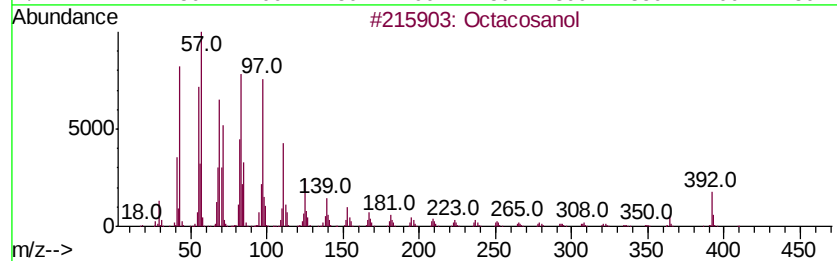
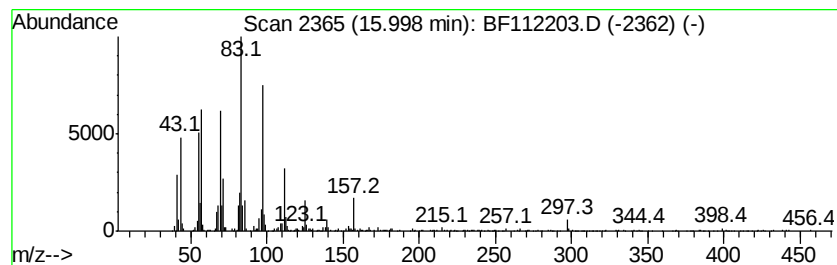
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Octacosanol Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	11.67 ng	1231350	Perylene-d12	15.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octacosanol	410	C28H58O	000557-61-9	74
2		Cyclohexane, 2,4-diisopropyl-1,1...	196	C14H28	1000149-60-5	43
3		Tricosyl trifluoroacetate	436	C25H47F3O2	1000351-75-1	38
4		1-Heptacosanol	396	C27H56O	002004-39-9	38
5		1-Hentetracontanol	593	C41H84O	040710-42-7	30



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012319\
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Operator : JU/SJ
Sample : K1220-03 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

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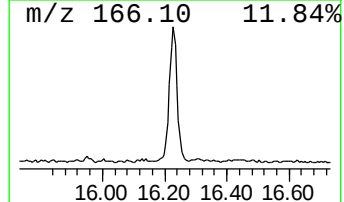
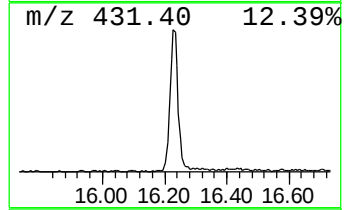
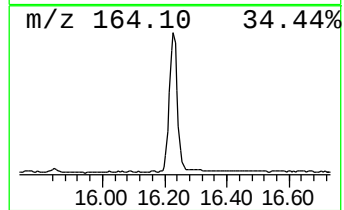
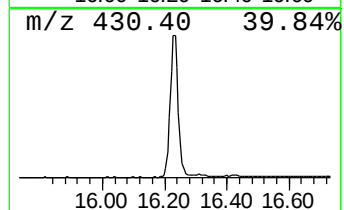
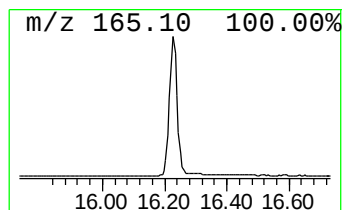
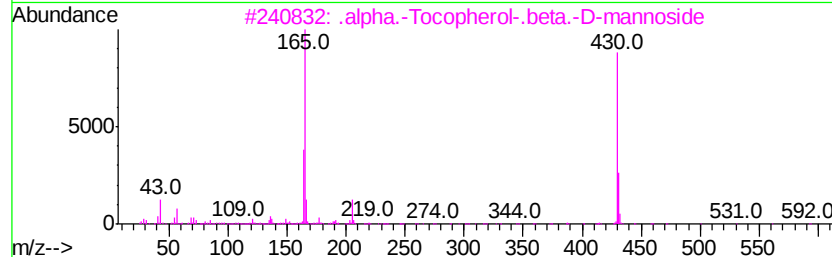
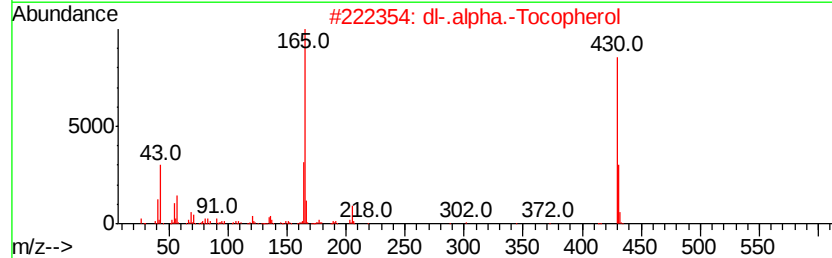
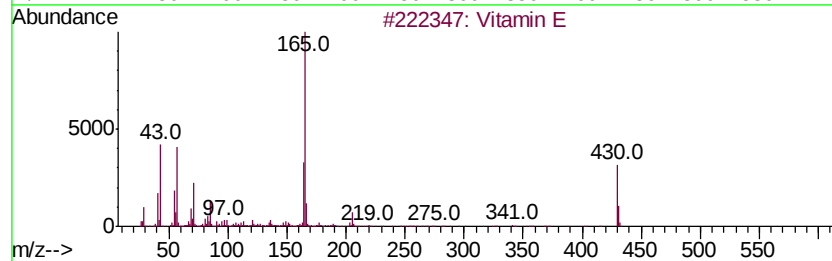
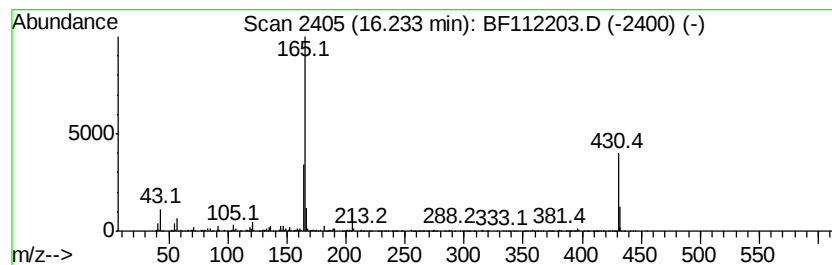
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Vitamin E Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.23	24.32 ng	2567540	Perylene-d12	15.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Vitamin E	430	C29H50O2	000059-02-9	94
2		dl-.alpha.-Tocopherol	430	C29H50O2	010191-41-0	94
3		.alpha.-Tocopherol-.beta.-D-mann...	592	C35H60O7	1000156-68-2	83
4		Benzenamine, 3-methoxy-2,4,6-tri...	165	C10H15NO	034874-88-9	38
5		Silane, (4-methoxyphenyl)trimethyl-	180	C10H16OSi	000877-68-9	37



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012319\
Data File : BF112203.D
Acq On : 23 Jan 2019 15:51
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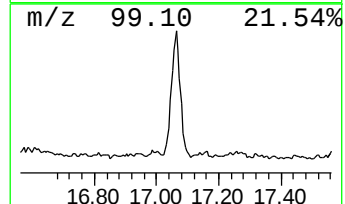
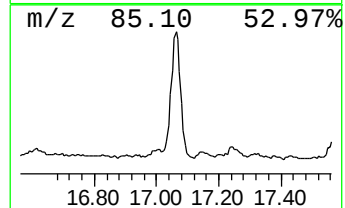
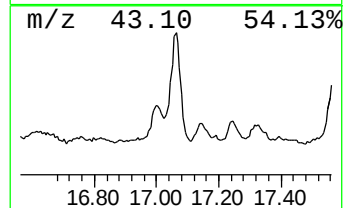
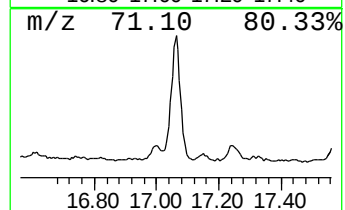
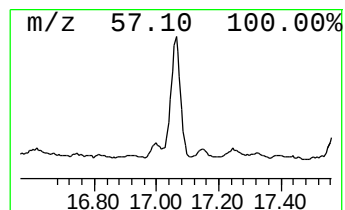
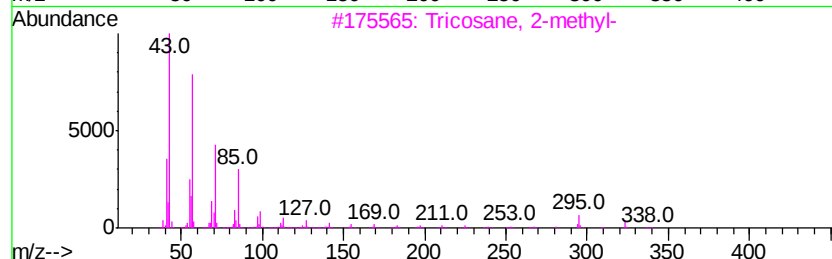
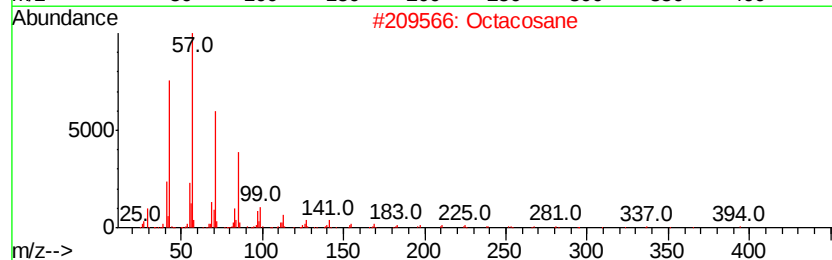
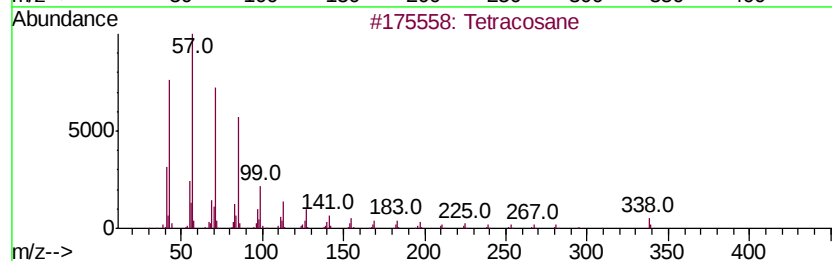
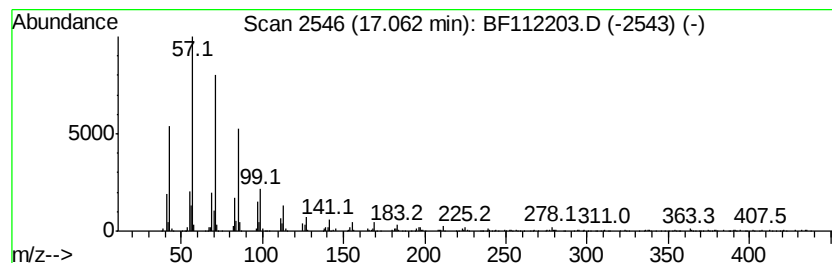
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Tricosane, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.06	15.52 ng	1638700	Perylene-d12	15.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetracosane	338	C24H50	000646-31-1	94
2		Octacosane	394	C28H58	000630-02-4	93
3		Tricosane, 2-methyl-	338	C24H50	001928-30-9	93
4		2-methyloctacosane	408	C29H60	1000376-72-8	91
5		2-methyltetracosane	352	C25H52	1000376-72-6	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012319\
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Operator : JU/SJ
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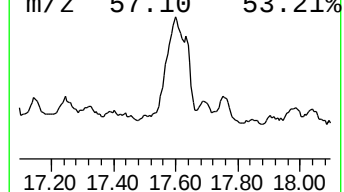
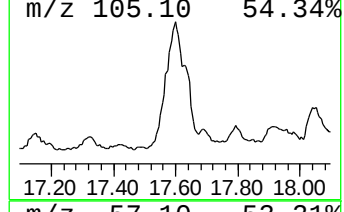
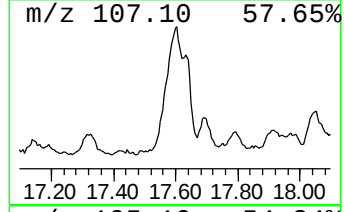
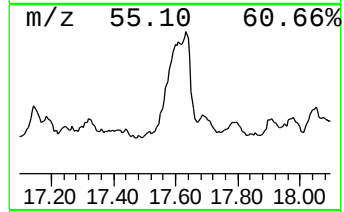
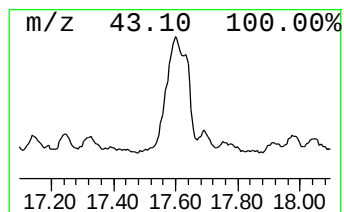
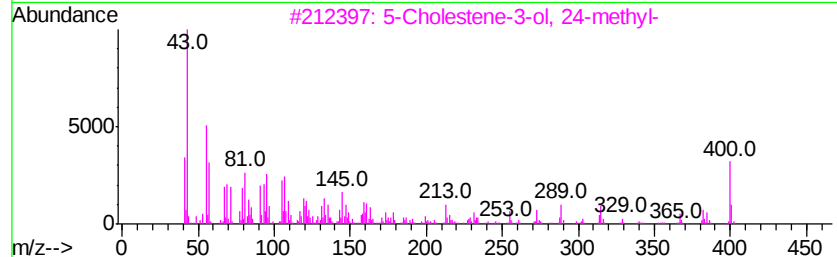
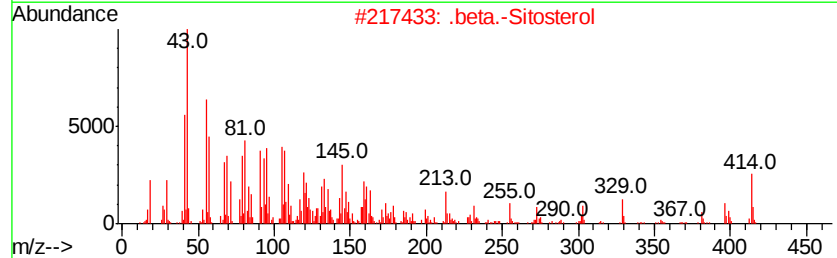
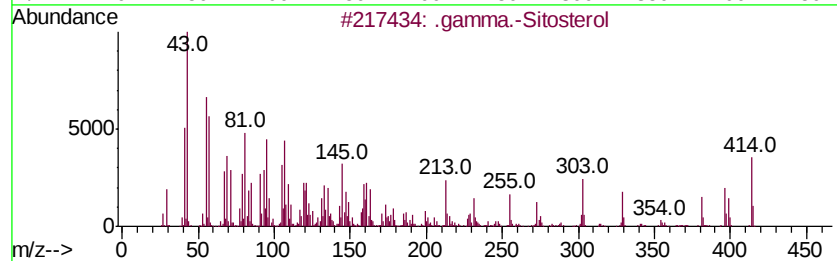
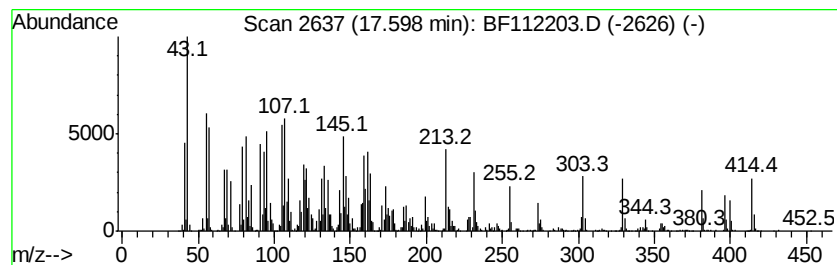
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 .gamma.-Sitosterol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.60	88.15 ng	9304930	Perylene-d12	15.50	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Sitosterol	414	C29H50O	000083-47-6	99
2	.beta.-Sitosterol	414	C29H50O	000083-46-5	91
3	5-Cholestene-3-ol, 24-methyl-	400	C28H48O	1000214-17-4	43
4	Ergost-5-en-3-ol, (3.beta.)-	400	C28H48O	004651-51-8	30
5	Pregn-5-en-3-ol, 21-bromo-20-met...	394	C22H35BrO	055103-80-5	18



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012319\
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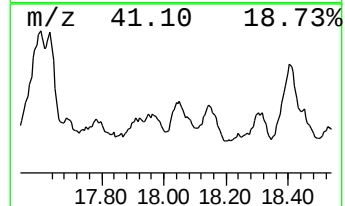
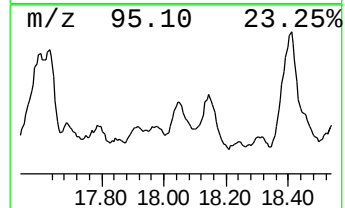
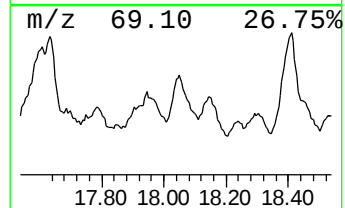
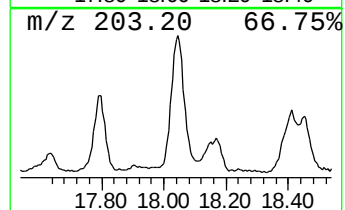
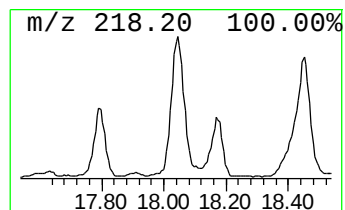
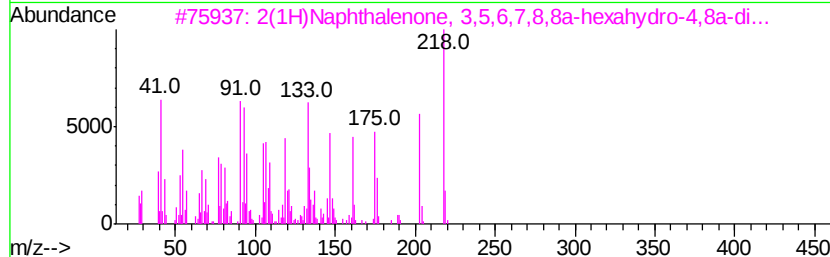
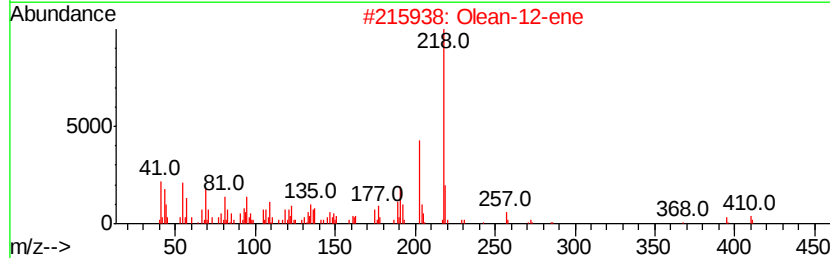
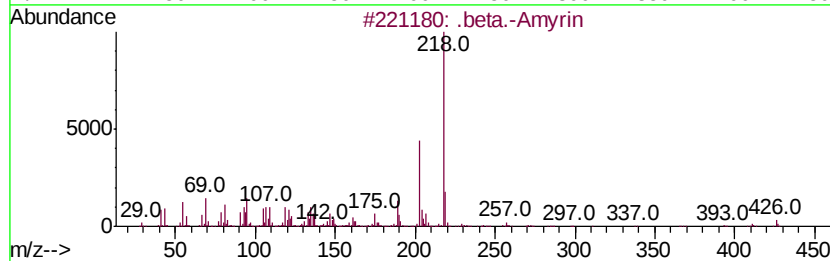
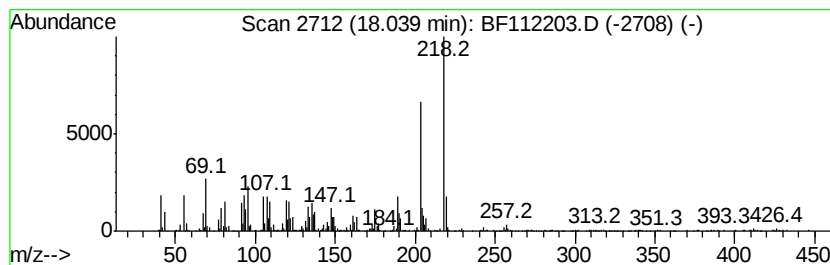
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 .beta.-Amyrin Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	19.38 ng	2046040	Perylene-d12	15.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	.beta.-Amyrin	426	C30H500	000559-70-6	91
2		Olean-12-ene	410	C30H50	000471-68-1	78
3		2(1H)Naphthalenone, 3,5,6,7,8,8a...	218	C15H22O	1000188-66-5	74
4		3-Methoxy-6,7,8,9-tetrahydro-dib...	218	C13H14O3	1000186-57-9	64
5		.beta.-Amyrin trimethylsilyl ether	498	C33H58OSi	001721-67-1	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012319\
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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampled :
T-1

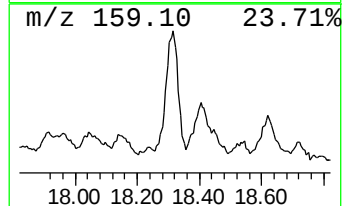
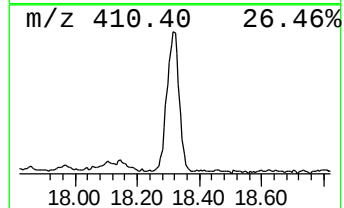
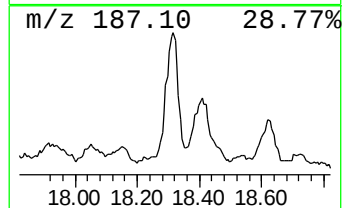
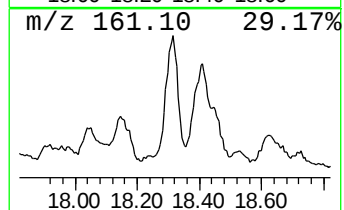
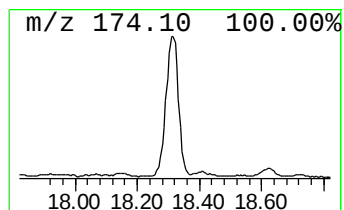
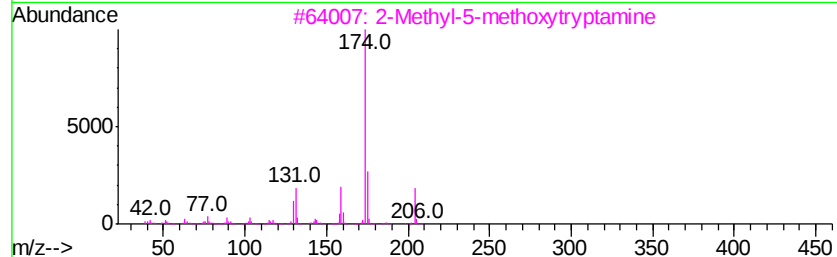
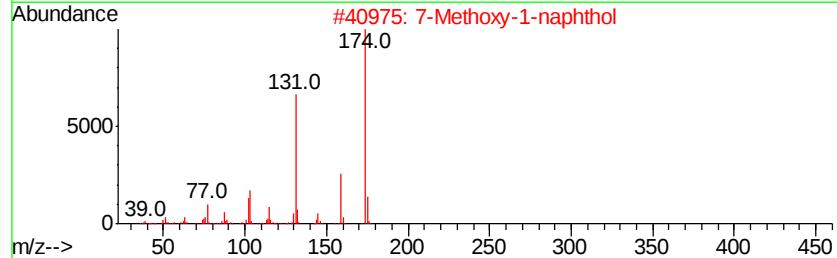
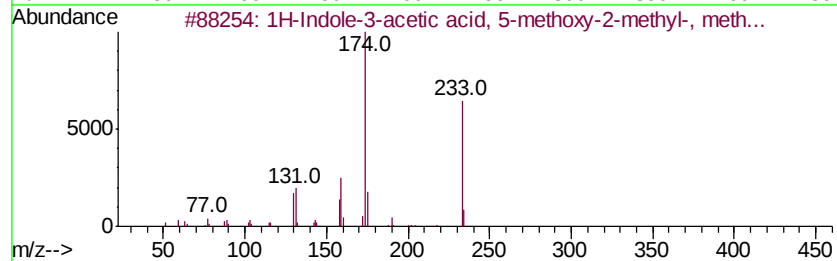
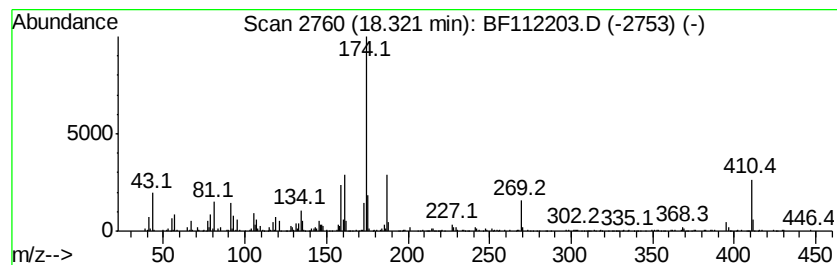
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown18.32 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	16.35 ng	1726160	Perylene-d12	15.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Indole-3-acetic acid, 5-metho...	233	C13H15N03	007588-36-5	43
2		7-Methoxy-1-naphthol	174	C11H10O2	067247-13-6	38
3		2-Methyl-5-methoxytryptamine	204	C12H16N2O	003143-97-3	38
4		[+]-2,4-Dihydroxy-3,3-dimethyl-N...	411	C18H25N3O6S	028124-68-7	38
5		Acetic acid, 2-(1-benzyl-2-piper...	289	C18H27N02	1000266-21-0	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012319\
Data File : BF112203.D
Acq On : 23 Jan 2019 15:51
Operator : JU/SJ
Sample : K1220-03 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

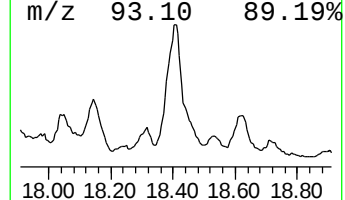
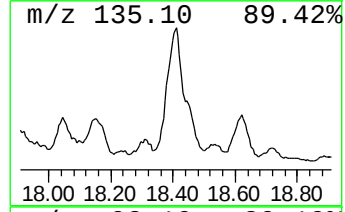
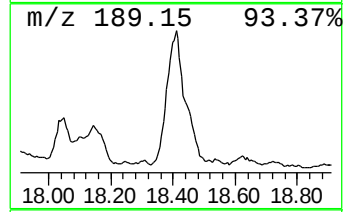
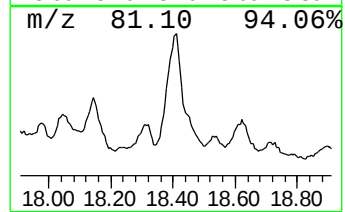
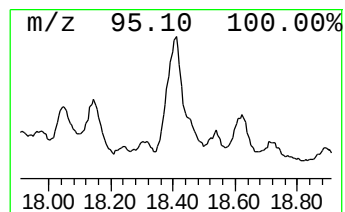
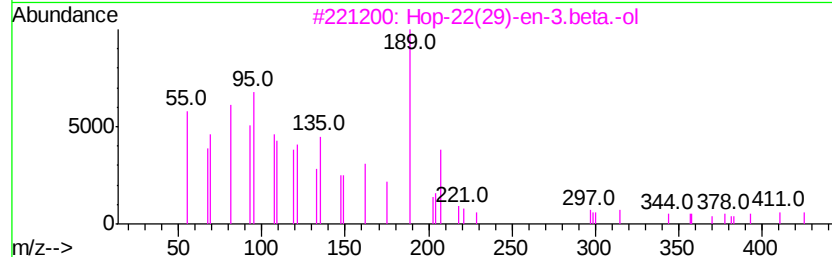
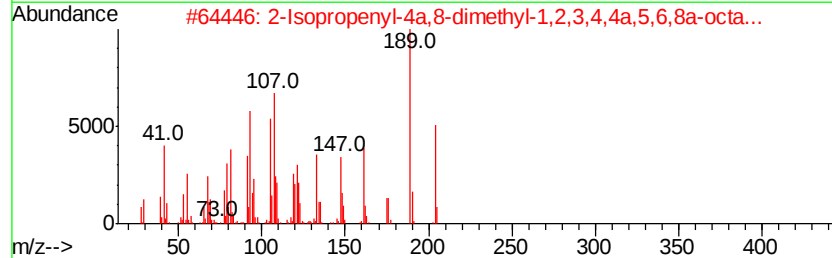
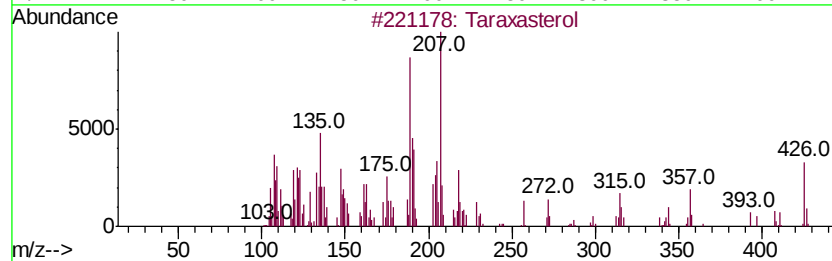
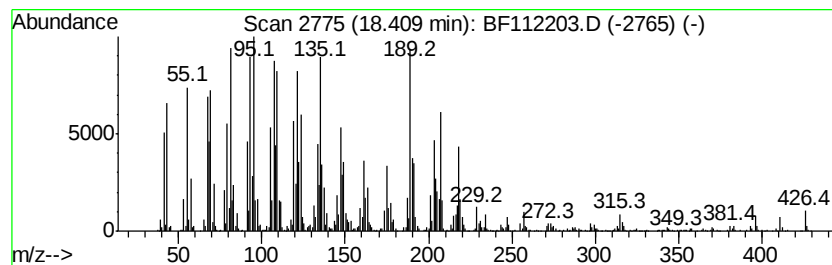
Instrument :
BNA_F
ClientSampled :
T-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Taraxasterol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.41	88.49 ng	9340910	Perylene-d12	15.50
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Taraxasterol	426 C30H500	001059-14-9 78
2		2-Isopropenyl-4a,8-dimethyl-1,2,...	204 C15H24	1000193-57-0 62
3		Hop-22(29)-en-3.beta.-ol	426 C30H500	058801-23-3 56
4		Caparratriene	206 C15H26	1000374-08-7 49
5		Longifolenaldehyde	220 C15H240	019890-84-7 46



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012319\
Data File : BF112203.D
Acq On : 23 Jan 2019 15:51
Operator : JU/SJ
Sample : K1220-03 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
T-1

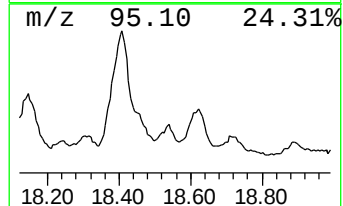
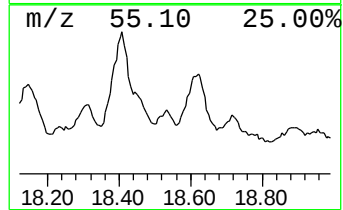
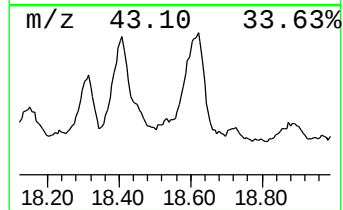
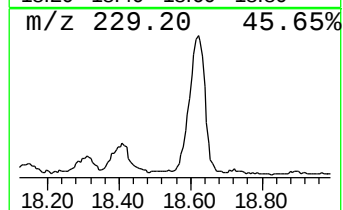
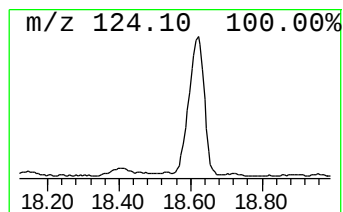
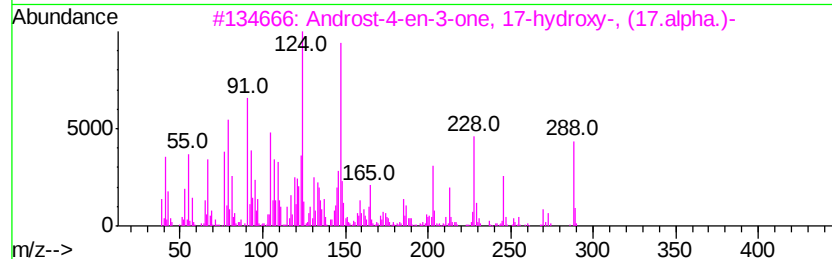
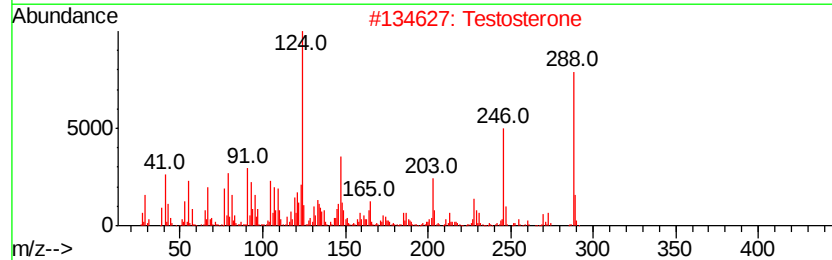
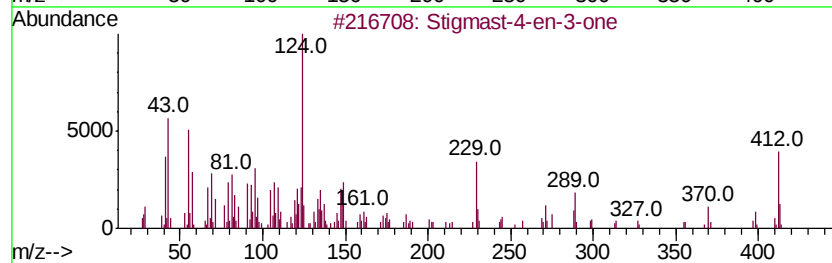
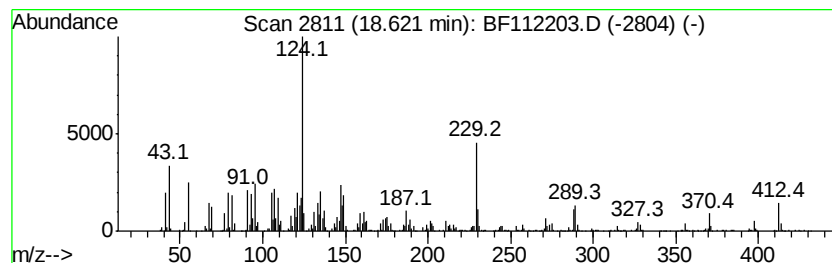
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Stigmast-4-en-3-one Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	38.39 ng	4051700	Perylene-d12	15.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Stigmast-4-en-3-one	412	C29H48O	001058-61-3	98
2		Testosterone	288	C19H28O2	000058-22-0	78
3		Androst-4-en-3-one, 17-hydroxy-....	288	C19H28O2	000481-30-1	35
4		Hexanethioic acid, (2-hexanethio...	288	C14H28N2S2	1000193-53-9	30
5		1,3-Benzenediol, 2-methyl-	124	C7H8O2	000608-25-3	27



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012319\
 Data File : BF112203.D
 Acq On : 23 Jan 2019 15:51
 Operator : JU/SJ
 Sample : K1220-03 2X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.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
unknown6.63	6.63	30.7	ng	2227910	1	6.85	1450420	20.0
.alfa.-Copaene	10.01	12.8	ng	1132850	3	9.89	1774400	20.0
Fumaric acid, und...	11.86	11.8	ng	1239910	4	11.37	2104760	20.0
n-Hexadecanoic acid	11.93	66.0	ng	6946820	4	11.37	2104760	20.0
4b,8-Dimethyl-2-i...	12.32	20.9	ng	2199720	4	11.37	2104760	20.0
Phytol	12.52	20.6	ng	2164390	4	11.37	2104760	20.0
Octadecanoic acid	12.70	11.9	ng	1207520	5	14.03	2034910	20.0
Cycloeicosane	13.86	35.3	ng	3586470	5	14.03	2034910	20.0
Nonadecane, 1-chl...	14.49	30.1	ng	3061070	5	14.03	2034910	20.0
Squalene	14.86	27.4	ng	2891160	6	15.50	2111080	20.0
Tetracosane	15.96	68.9	ng	7269210	6	15.50	2111080	20.0
Octacosanol	16.00	11.7	ng	1231350	6	15.50	2111080	20.0
Vitamin E	16.23	24.3	ng	2567540	6	15.50	2111080	20.0
Tricosane, 2-methyl-	17.06	15.5	ng	1638700	6	15.50	2111080	20.0
.gamma.-Sitosterol	17.60	88.2	ng	9304930	6	15.50	2111080	20.0
.beta.-Amyrin	18.04	19.4	ng	2046040	6	15.50	2111080	20.0
unknown18.32	18.32	16.4	ng	1726160	6	15.50	2111080	20.0
Taraxasterol	18.41	88.5	ng	9340910	6	15.50	2111080	20.0
Stigmast-4-en-3-one	18.62	38.4	ng	4051700	6	15.50	2111080	20.0