

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081719\
 Data File : BF116368.D
 Acq On : 17 Aug 2019 20:07
 Operator : HP/JU
 Sample : K4223-05
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-3

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-BF073019.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	5.440	567	570	594	rBV	2816558	3110901	74.61%	4.972%
2	6.457	738	743	756	rBV	2906697	3275888	78.56%	5.236%
3	6.587	761	765	774	rVB	3310549	3238287	77.66%	5.176%
4	6.810	800	803	813	rBV	901731	826378	19.82%	1.321%
5	6.963	826	829	839	rBV	2692617	2581949	61.92%	4.127%
6	7.375	895	899	912	rVB	2199991	2077526	49.82%	3.321%
7	8.087	1017	1020	1030	rBV	1115565	1077770	25.85%	1.723%
8	8.675	1114	1120	1123	rBV2	47251	45019	1.08%	0.072%
9	9.163	1198	1203	1206	rBV	3491694	3192971	76.57%	5.103%
10	9.275	1218	1222	1226	rBV5	34832	44664	1.07%	0.071%
11	9.469	1252	1255	1257	rBV2	66179	63366	1.52%	0.101%
12	9.492	1257	1259	1264	rVV	219876	202720	4.86%	0.324%
13	9.557	1264	1270	1273	rVV	652393	594349	14.25%	0.950%
14	9.592	1273	1276	1283	rVB3	130676	122550	2.94%	0.196%
15	9.686	1287	1292	1294	rBV2	57961	74046	1.78%	0.118%
16	9.751	1298	1303	1305	rBV2	76929	79649	1.91%	0.127%
17	9.775	1305	1307	1312	rVB3	49626	63799	1.53%	0.102%
18	9.839	1315	1318	1321	rVV	1370585	1179431	28.29%	1.885%
19	9.863	1321	1322	1326	rVB2	177722	122140	2.93%	0.195%
20	9.910	1328	1330	1333	rVB	83740	67841	1.63%	0.108%
21	9.957	1333	1338	1342	rBV	425803	380516	9.13%	0.608%
22	9.992	1342	1344	1347	rVB	97213	78250	1.88%	0.125%
23	10.051	1350	1354	1355	rBV4	42280	46882	1.12%	0.075%
24	10.133	1365	1368	1370	rVB	153205	137202	3.29%	0.219%
25	10.439	1417	1420	1421	rVV	51692	59694	1.43%	0.095%
26	10.457	1421	1423	1425	rVV2	81837	78096	1.87%	0.125%
27	10.481	1425	1427	1429	rVV	86394	75011	1.80%	0.120%
28	10.510	1429	1432	1435	rVV	152409	138750	3.33%	0.222%
29	10.563	1435	1441	1444	rVV4	131746	190423	4.57%	0.304%
30	10.604	1444	1448	1450	rVV2	235206	288859	6.93%	0.462%
31	10.633	1450	1453	1456	rVV	2205988	2067424	49.58%	3.304%
32	10.657	1456	1457	1460	rVV	190368	170233	4.08%	0.272%
33	10.692	1460	1463	1468	rVB2	111701	121262	2.91%	0.194%
34	10.745	1468	1472	1478	rBV2	115489	135164	3.24%	0.216%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.933	1501	1504	1511	rVB	102604	117665	2.82%	0.188%
36	10.998	1511	1515	1520	rBV3	138080	221861	5.32%	0.355%
37	11.039	1520	1522	1525	rVB	67402	63452	1.52%	0.101%
38	11.275	1560	1562	1565	rBV2	49161	55030	1.32%	0.088%
39	11.328	1565	1571	1573	rVV	1218475	1147212	27.51%	1.834%
40	11.351	1573	1575	1577	rVV2	239051	235763	5.65%	0.377%
41	11.375	1577	1579	1581	rVB	264503	204760	4.91%	0.327%
42	11.457	1587	1593	1597	rVB	183618	234042	5.61%	0.374%
43	11.533	1603	1606	1608	rBV	59275	59739	1.43%	0.095%
44	11.704	1632	1635	1639	rVB2	99511	116700	2.80%	0.187%
45	11.810	1646	1653	1656	rBV2	231404	358791	8.60%	0.573%
46	11.863	1657	1662	1674	rVV	1586880	1954026	46.86%	3.123%
47	12.016	1682	1688	1691	rBV2	381373	435837	10.45%	0.697%
48	12.104	1700	1703	1705	rBV3	84364	92020	2.21%	0.147%
49	12.145	1708	1710	1713	rVB	101739	86411	2.07%	0.138%
50	12.204	1718	1720	1724	rVB2	82467	78562	1.88%	0.126%
51	12.257	1724	1729	1733	rBV5	106831	164014	3.93%	0.262%
52	12.292	1733	1735	1739	rVB3	58830	48506	1.16%	0.078%
53	12.392	1748	1752	1754	rVV3	111715	146288	3.51%	0.234%
54	12.410	1754	1755	1758	rVB	150333	100447	2.41%	0.161%
55	12.463	1760	1764	1769	rBV	569407	659799	15.82%	1.055%
56	12.545	1774	1778	1779	rBV	798961	826410	19.82%	1.321%
57	12.569	1779	1782	1791	rVV2	1406906	2112353	50.66%	3.376%
58	12.639	1791	1794	1801	rVB2	363592	447929	10.74%	0.716%
59	12.727	1806	1809	1812	rVV2	199049	204172	4.90%	0.326%
60	12.774	1814	1817	1822	rVV	290454	357903	8.58%	0.572%
61	12.822	1823	1825	1829	rVB2	94285	93116	2.23%	0.149%
62	12.904	1835	1839	1843	rVB	2533996	2320545	55.65%	3.709%
63	13.127	1875	1877	1882	rVB3	103093	112678	2.70%	0.180%
64	13.169	1882	1884	1888	rBV4	52509	69826	1.67%	0.112%
65	13.298	1902	1906	1908	rBV4	147114	209211	5.02%	0.334%
66	13.333	1909	1912	1913	rBV	289972	237310	5.69%	0.379%
67	13.404	1921	1924	1926	rBV	97749	72704	1.74%	0.116%
68	13.427	1926	1928	1930	rBV	133220	100886	2.42%	0.161%
69	13.451	1930	1932	1934	rBV2	92978	84103	2.02%	0.134%
70	13.516	1941	1943	1947	rVB2	73039	77819	1.87%	0.124%
71	13.651	1963	1966	1967	rBV	102650	112581	2.70%	0.180%

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72	13.674	1967	1970	1976	rVB2	194097	249192	5.98%	0.398%
73	13.769	1982	1986	1989	rBV	1171089	1276021	30.60%	2.040%
74	13.798	1989	1991	1997	rVB	687071	678956	16.28%	1.085%
75	13.880	2002	2005	2009	rBV	144270	141315	3.39%	0.226%
76	13.939	2012	2015	2017	rBV2	88245	109093	2.62%	0.174%
77	13.969	2017	2020	2024	rBV	772039	737151	17.68%	1.178%
78	14.110	2042	2044	2047	rVB2	98125	86865	2.08%	0.139%
79	14.416	2093	2096	2104	rBV3	677218	995892	23.88%	1.592%
80	14.616	2128	2130	2132	rBV	87310	83333	2.00%	0.133%
81	14.668	2137	2139	2142	rVV	115086	116878	2.80%	0.187%
82	14.716	2144	2147	2149	rVB	166243	159553	3.83%	0.255%
83	14.786	2156	2159	2162	rBV	340360	319427	7.66%	0.511%
84	14.933	2181	2184	2188	rBV3	120926	165685	3.97%	0.265%
85	15.010	2194	2197	2199	rBV2	155494	187748	4.50%	0.300%
86	15.045	2199	2203	2206	rVV	2130929	2435153	58.40%	3.892%
87	15.074	2206	2208	2213	rVB	264198	307858	7.38%	0.492%
88	15.298	2243	2246	2252	rVB3	148951	219714	5.27%	0.351%
89	15.427	2262	2268	2277	rVB	593706	984750	23.62%	1.574%
90	15.657	2304	2307	2313	rVB2	126443	188988	4.53%	0.302%
91	15.833	2331	2337	2341	rBV	1467552	2185949	52.42%	3.494%
92	15.880	2342	2345	2353	rVB	257841	443635	10.64%	0.709%
93	16.098	2378	2382	2393	rVB	513940	927784	22.25%	1.483%
94	16.992	2529	2534	2543	rBV3	150941	349339	8.38%	0.558%
95	17.321	2586	2590	2595	rBV2	121209	228230	5.47%	0.365%
96	17.404	2596	2604	2617	rVV4	1140016	4169742	100.00%	6.665%
97	17.509	2617	2622	2633	rVB5	222521	675759	16.21%	1.080%
98	17.845	2672	2679	2689	rBV	548857	1621967	38.90%	2.592%
99	18.180	2728	2736	2740	rBV2	635025	1801203	43.20%	2.879%
100	18.398	2768	2773	2784	rVB5	253808	688718	16.52%	1.101%

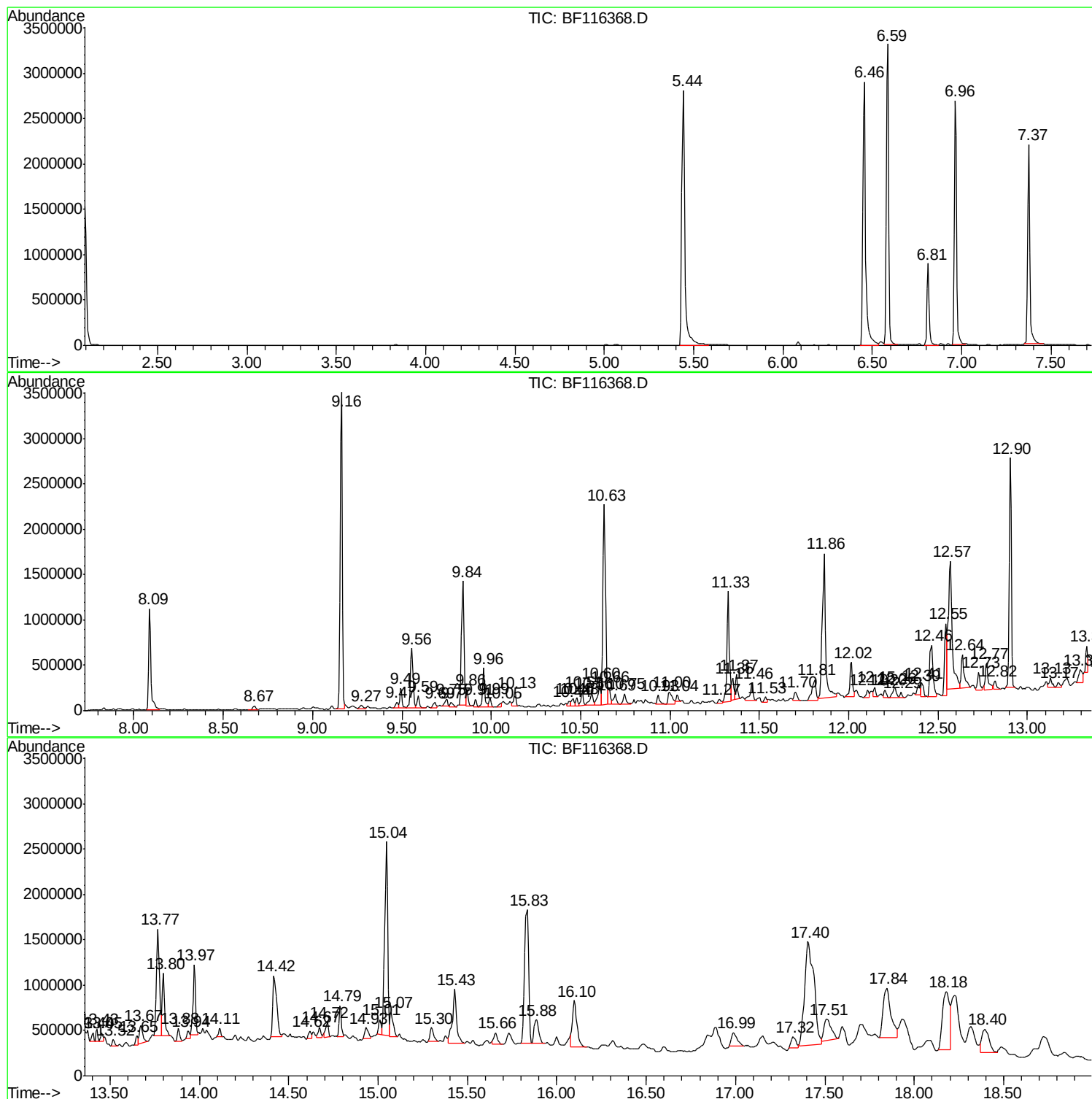
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ClientSampled :
SP-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.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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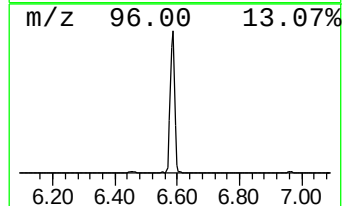
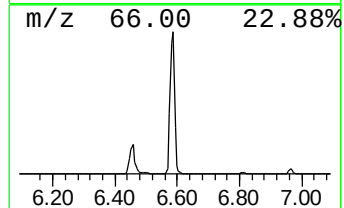
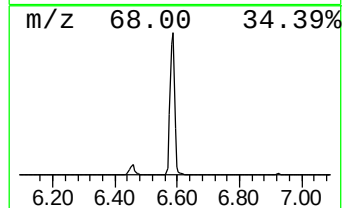
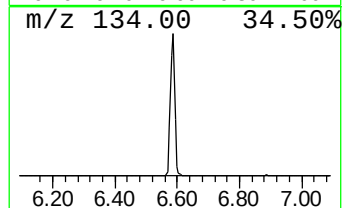
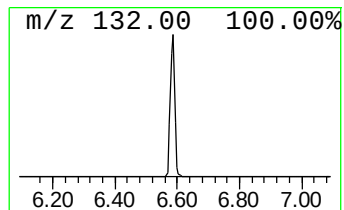
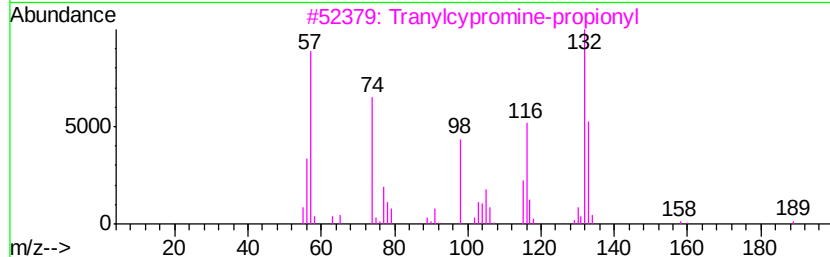
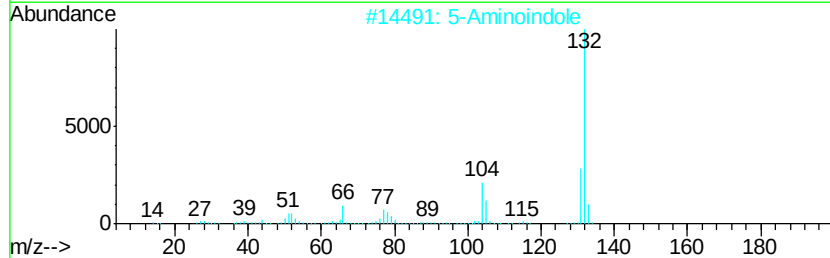
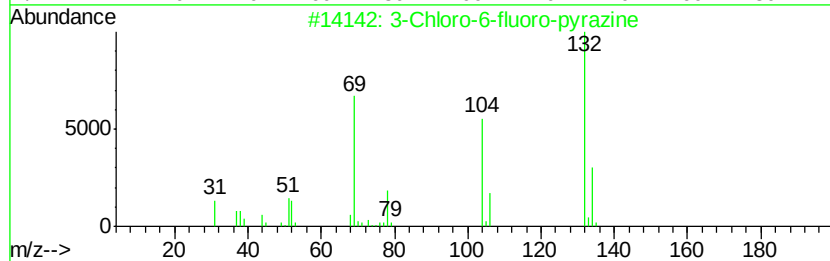
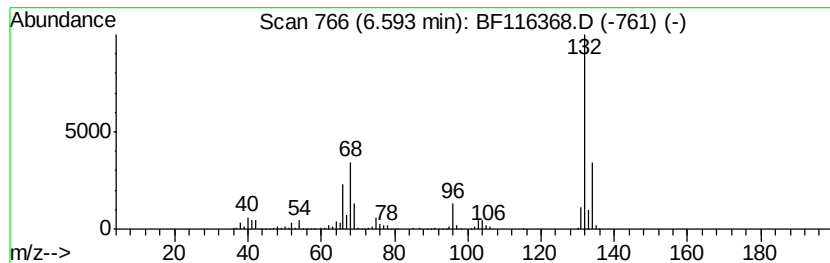
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.59 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	78.37 ng	3238290	1,4-Dichlorobenzene-d4	6.81

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2			5-Aminoindole	132	C8H8N2	005192-03-0	12
3			Tranvlcyproline-propionyl	189	C12H15NO	1000123-86-3	12
4			1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	9
5			2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9



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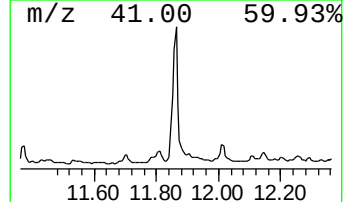
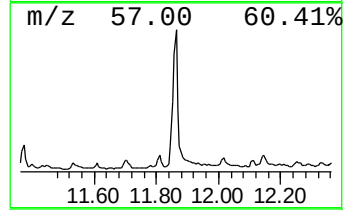
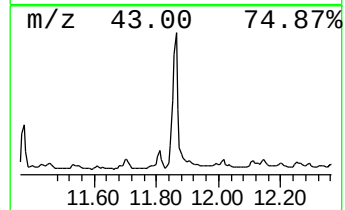
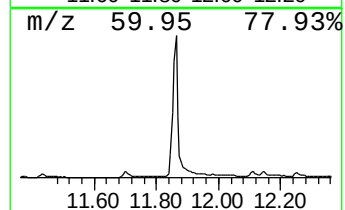
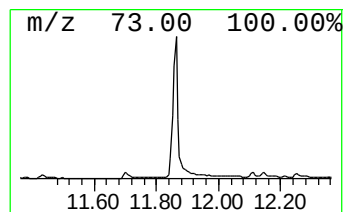
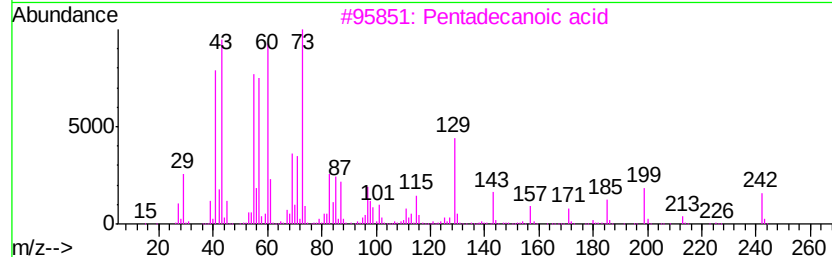
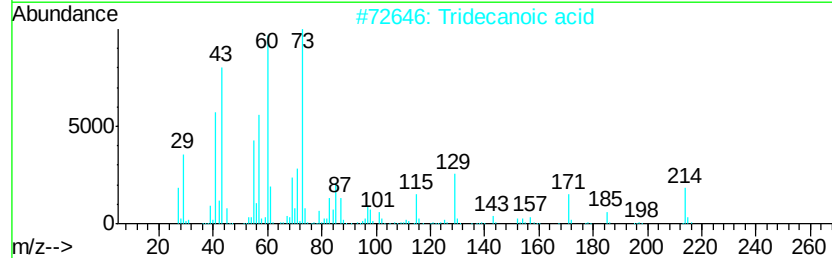
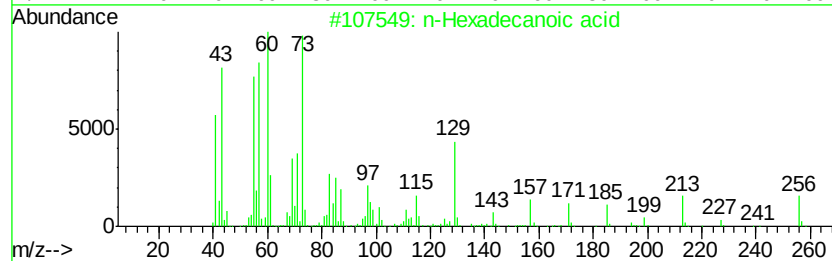
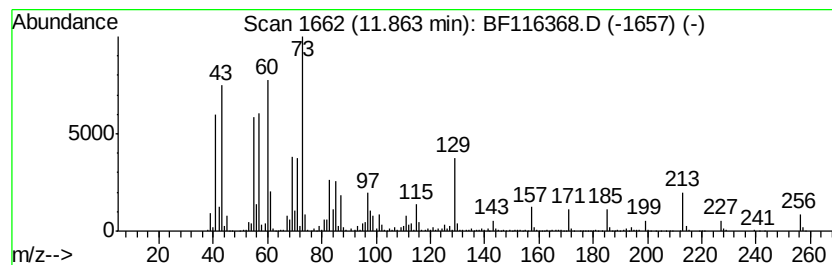
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	34.07 ng	1954030	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2		Tridecanoic acid	214	C13H26O2	000638-53-9	89
3		Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4		Tetradecanoic acid	228	C14H28O2	000544-63-8	59
5		n-Decanoic acid	172	C10H20O2	000334-48-5	55



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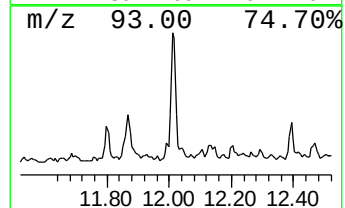
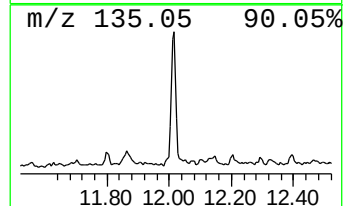
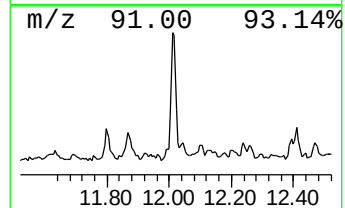
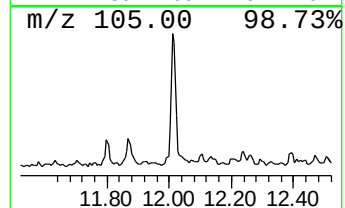
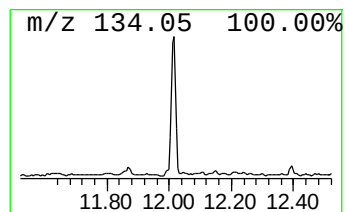
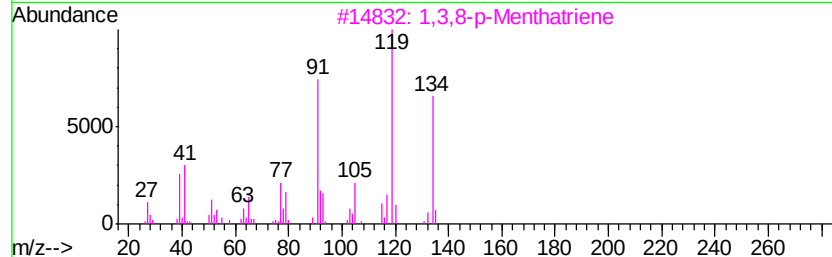
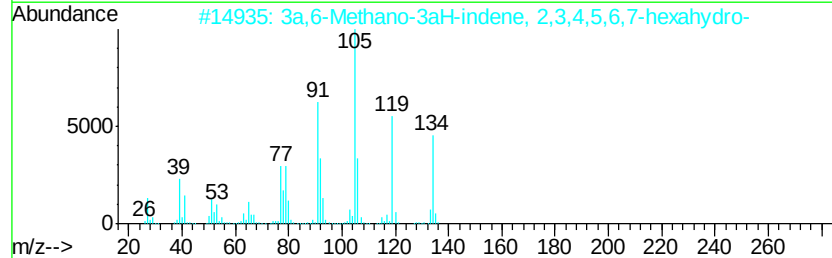
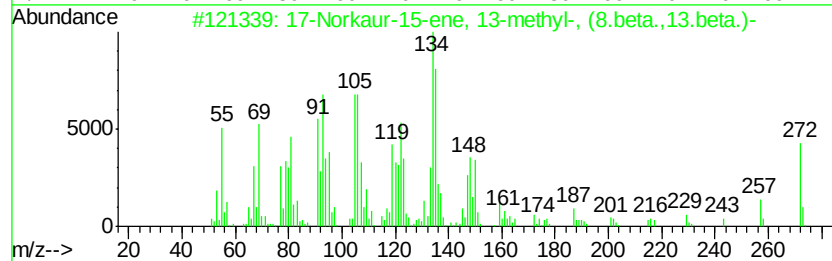
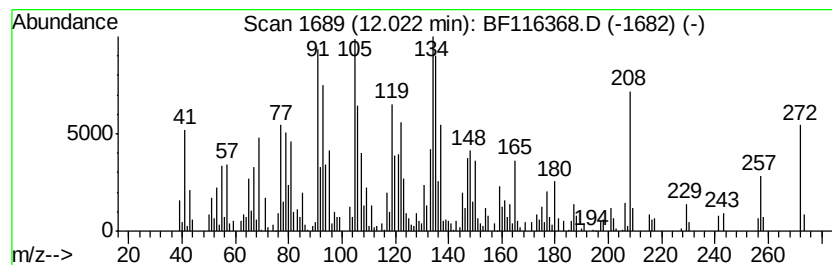
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TIC Integration Parameters: LSCINT.P

Peak Number 4 17-Norkaur-15-ene, 13-methy... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.02	7.60 ng	435837	Phenanthrene-d10	11.33	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	17-Norkaur-15-ene, 13-methyl-, (...	272	C20H32	003564-54-3	99
2	3a,6-Methano-3aH-indene, 2,3,4,5...	134	C10H14	098640-10-9	38
3	1,3,8-p-Menthatriene	134	C10H14	018368-95-1	35
4	Benzhydrazide, 3-methoxy-N2-(4,6...	272	C14H16N4O2	1000276-15-7	30
5	Pentacyclo[9.1.0.0(2,4).0(5,7).0...	272	C20H32	1000152-38-2	25



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Data File : BF116368.D
Acq On : 17 Aug 2019 20:07
Operator : HP/JU
Sample : K4223-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-3

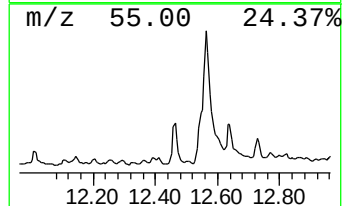
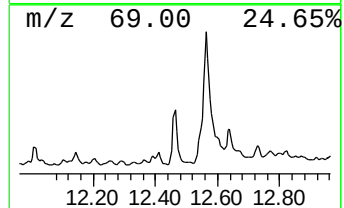
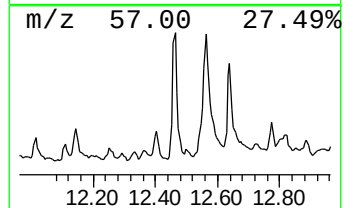
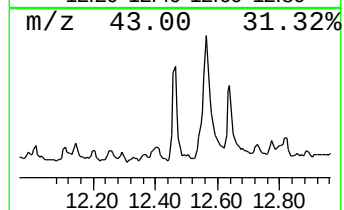
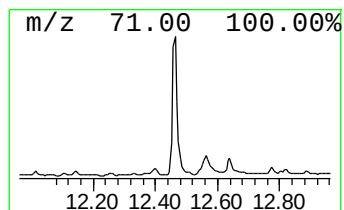
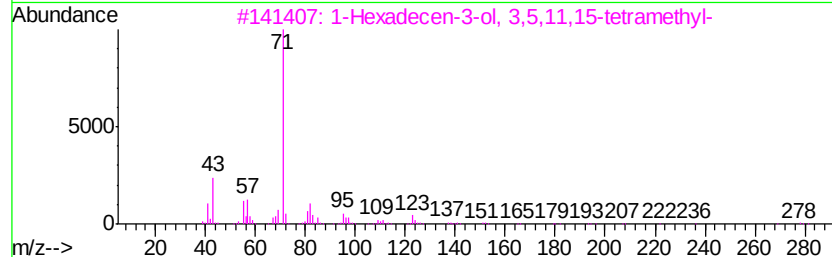
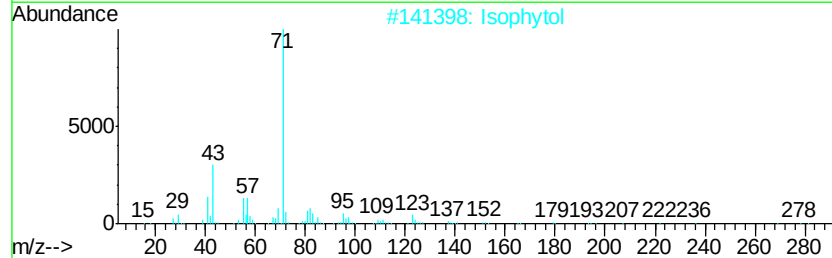
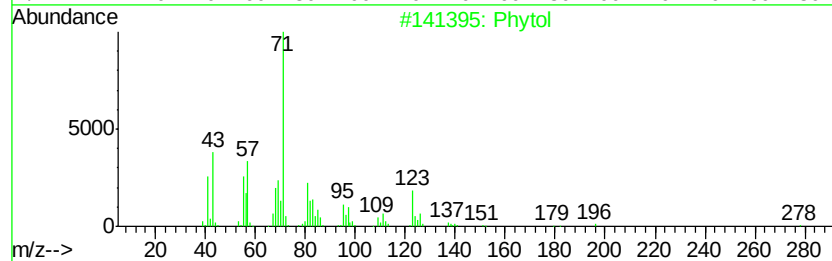
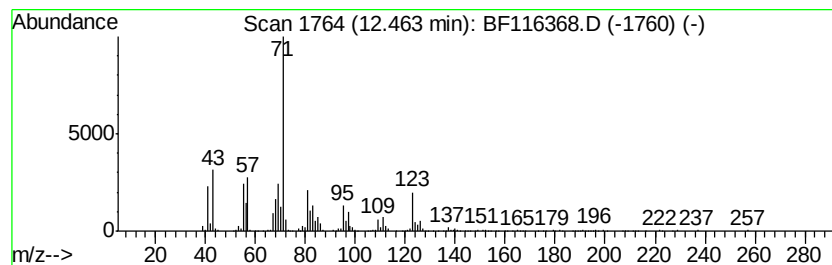
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phytol Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	11.50 ng	659799	Phenanthrene-d10	11.33

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phytol		296	C20H40O	000150-86-7	91
2	Isophytol		296	C20H40O	000505-32-8	78
3	1-Hexadecen-3-ol, 3,5,11,15-tetr...		296	C20H40O	1000262-55-5	59
4	Butyric acid, 3-pentadecyl ester		298	C19H38O2	1000280-57-3	53
5	Butyric acid, 2-tridecyl ester		270	C17H34O2	055193-07-2	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081719\
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Sample : K4223-05
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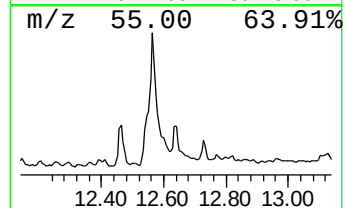
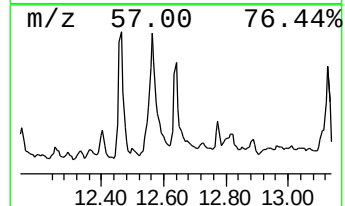
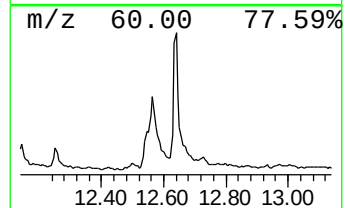
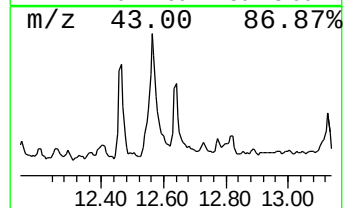
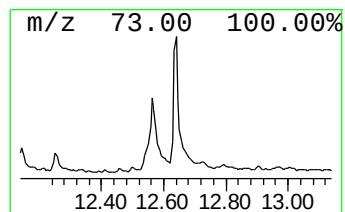
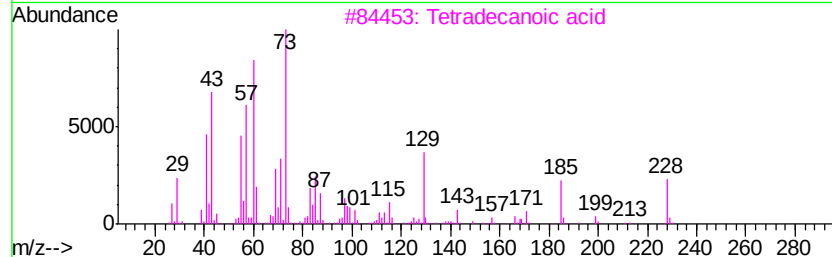
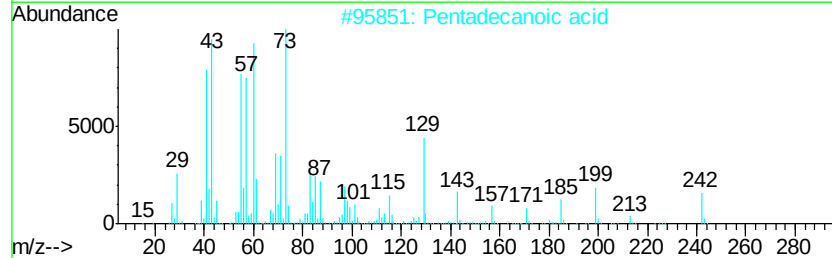
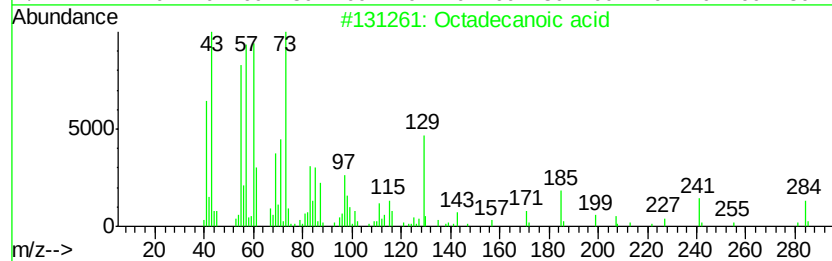
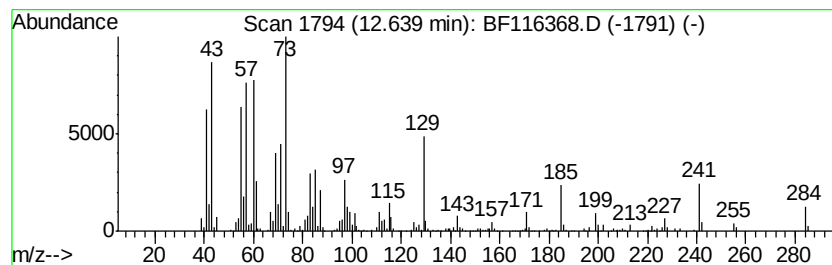
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Octadecanoic acid Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.64	7.81 ng	447929	Phenanthrene-d10		11.33
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	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
4	n-Decanoic acid	172	C10H20O2	000334-48-5	70
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	68



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081719\
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Sample : K4223-05
Misc :
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Instrument :
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ClientSampleID :
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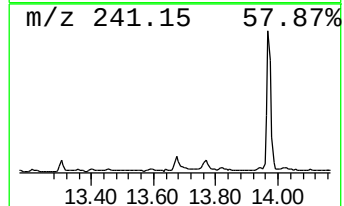
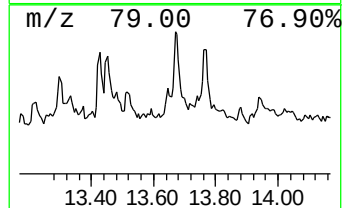
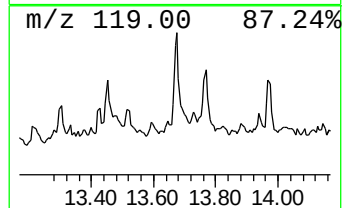
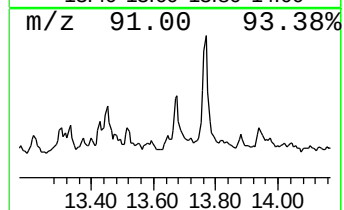
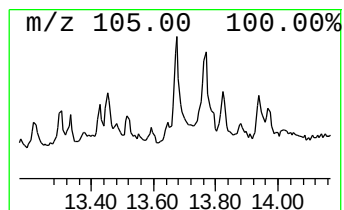
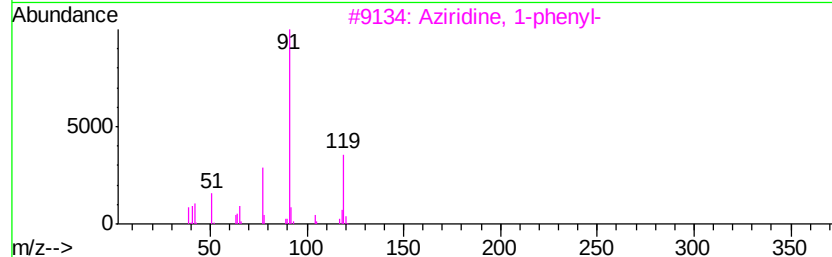
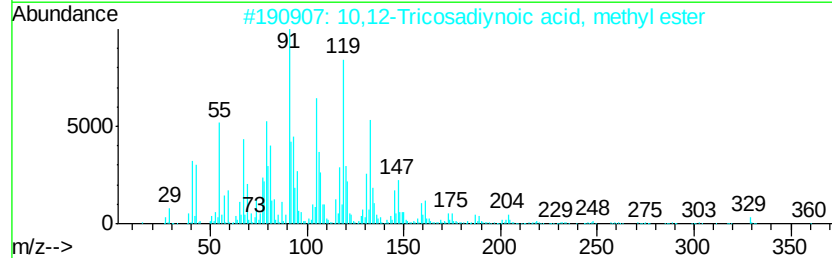
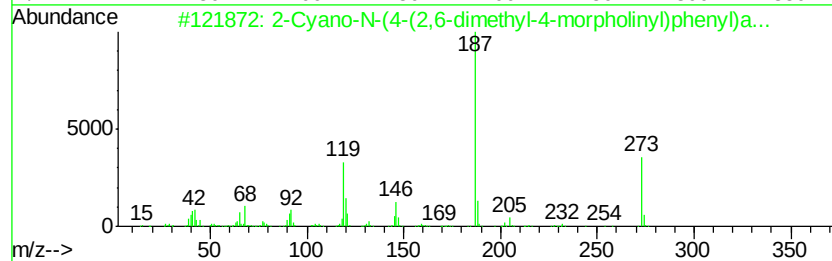
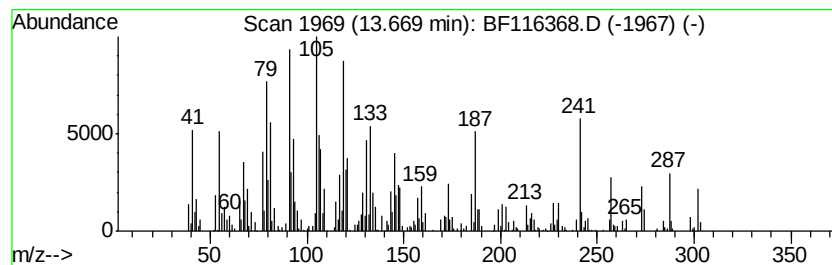
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown13.67 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.67	6.76 ng	249192	Chrysene-d12	13.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Cyano-N-(4-(2,6-dimethyl-4-mor...	273	C15H19N3O2	1000332-12-1	38
2		10,12-Tricosadiynoic acid, methy...	360	C24H40O2	1000333-59-4	38
3		Aziridine, 1-phenyl-	119	C8H9N	000696-18-4	11
4		2-Ethyl-2-methyl-1,3-dithiolane	148	C6H12S2	006008-81-7	11
5		6-Methyl-1,2,3,5,8,8a-hexahydron...	148	C11H16	107914-86-3	11



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081719\
Data File : BF116368.D
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ClientSampleId :
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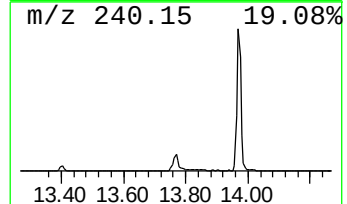
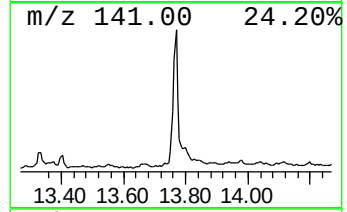
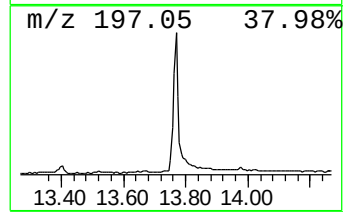
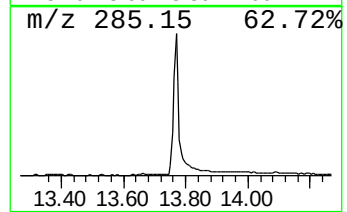
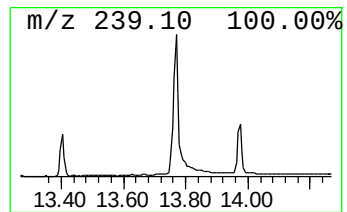
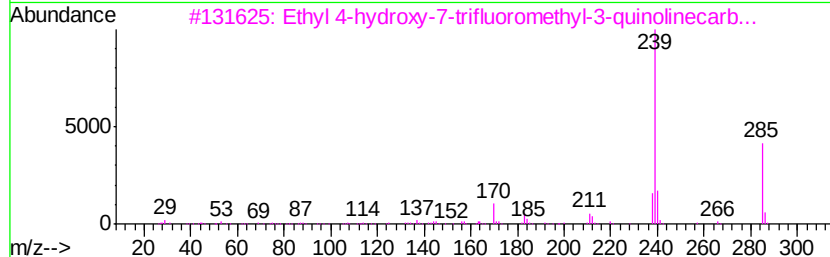
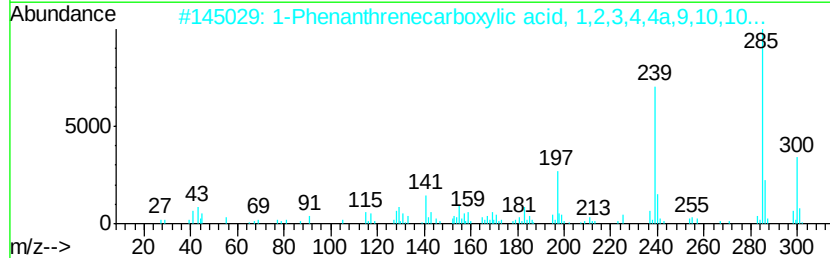
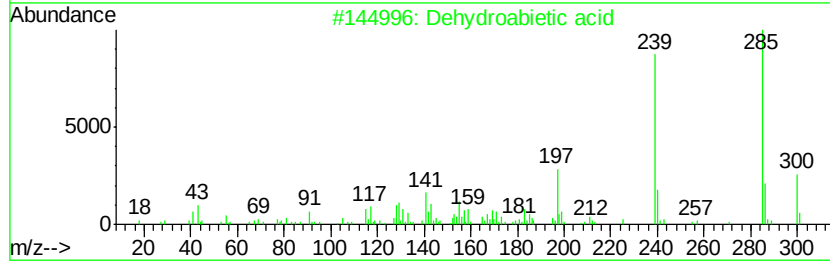
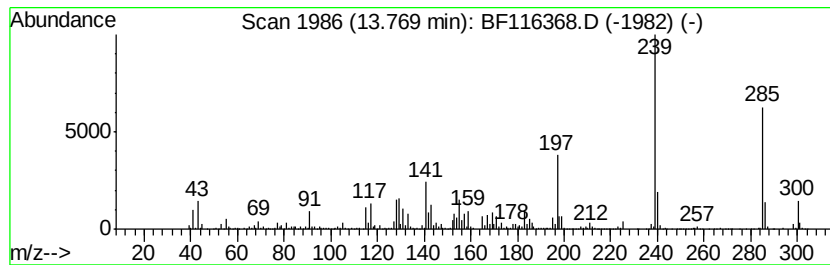
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Dehydroabietic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	34.62 ng	1276020	Chrysene-d12	13.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dehydroabietic acid	300	C20H28O2	001740-19-8	99
2		1-Phenanthrenecarboxylic acid, 1...	300	C20H28O2	005155-70-4	83
3		Ethyl 4-hydroxy-7-trifluoromethyl...	285	C13H10F3NO3	000391-02-6	50
4		5H-Pyrrolo[3,4-b]pyrazine-5,7(6H...	239	C13H9N3O2	1000337-19-6	42
5		2-Ethylidene-hydrazono-3-methyl-...	239	C10H10ClN3S	1000148-08-4	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081719\
Data File : BF116368.D
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Instrument :
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ClientSampleId :
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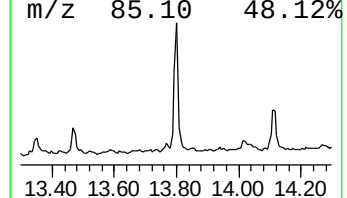
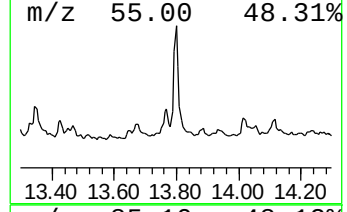
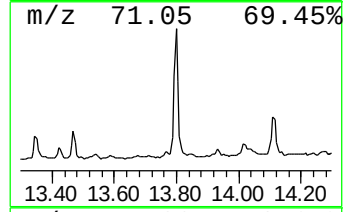
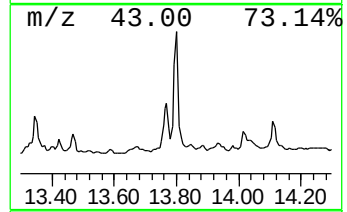
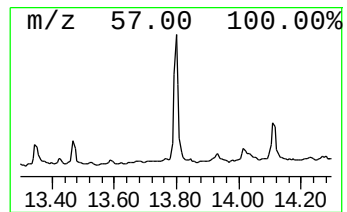
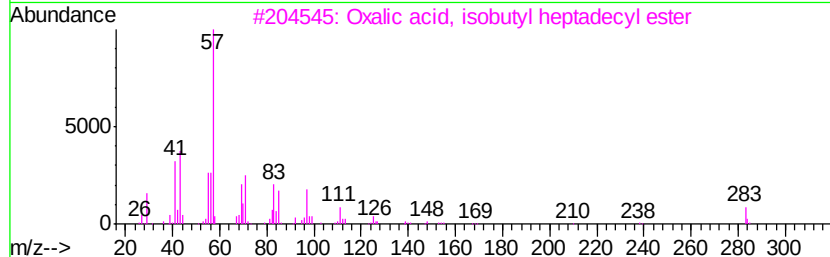
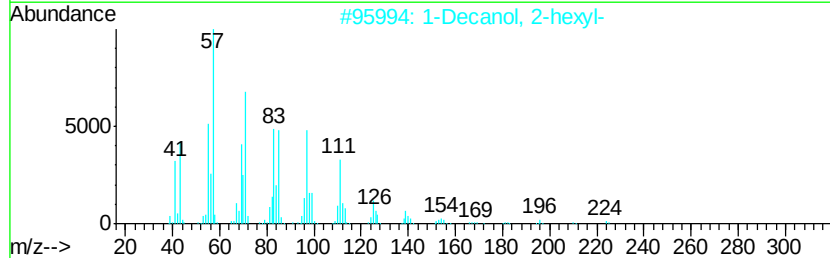
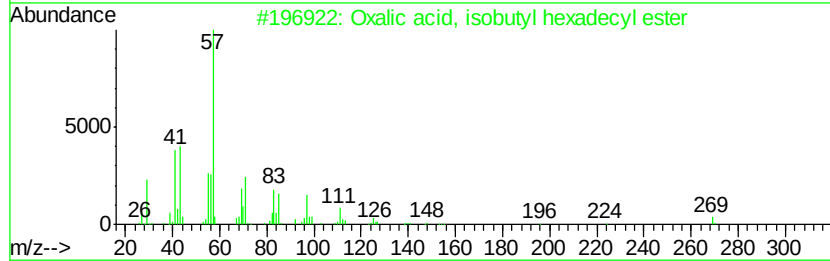
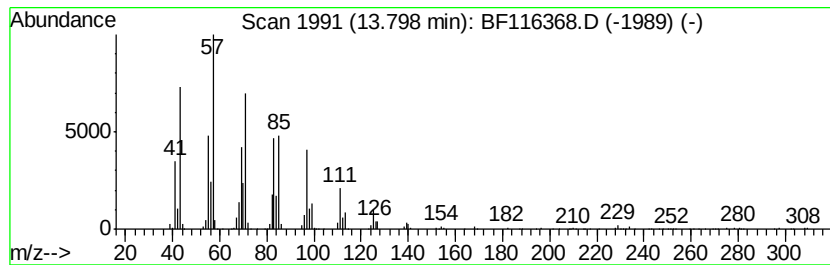
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Oxalic acid, isobutyl hexad... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	18.42 ng	678956	Chrysene-d12	13.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	91
2		1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	91
3		Oxalic acid, isobutyl heptadecyl...	384	C23H44O4	1000309-38-2	91
4		Ethanol, 2-(hexadecyloxy)-	286	C18H38O2	002136-71-2	91
5		Oxalic acid, isobutyl octadecyl ...	398	C24H46O4	1000309-38-3	91



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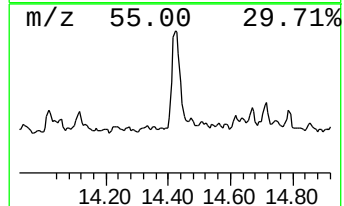
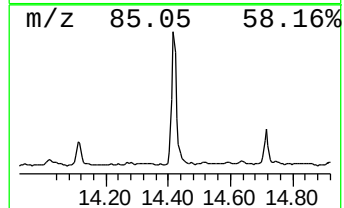
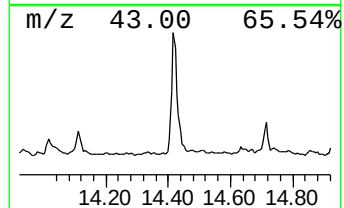
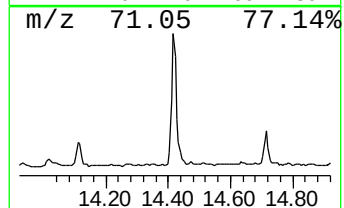
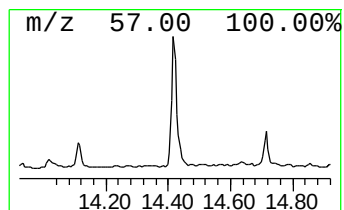
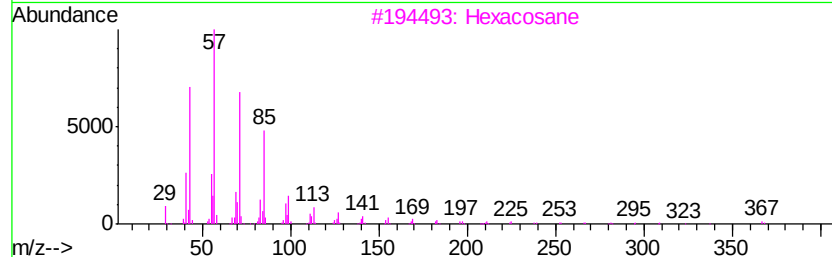
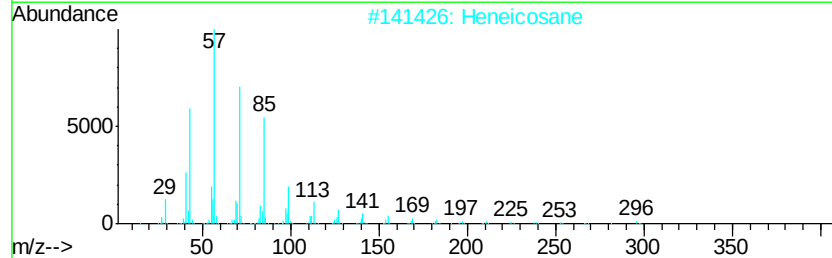
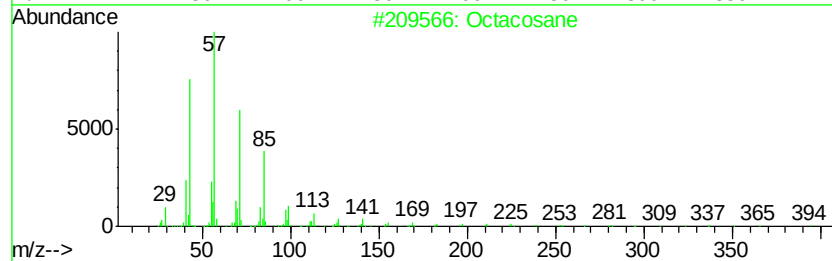
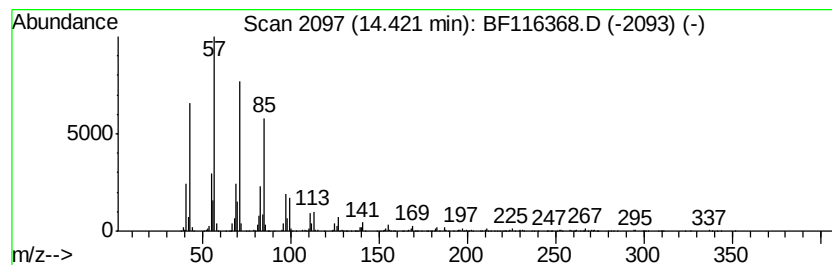
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Octacosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	27.02 ng	995892	Chrysene-d12	13.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octacosane	394	C28H58	000630-02-4	91
2		Heneicosane	296	C21H44	000629-94-7	91
3		Hexacosane	366	C26H54	000630-01-3	91
4		Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	90
5		Tetracosane	338	C24H50	000646-31-1	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081719\
Data File : BF116368.D
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Sample : K4223-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

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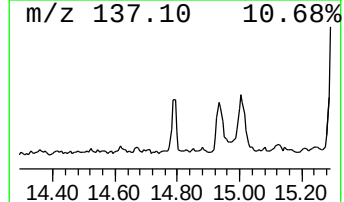
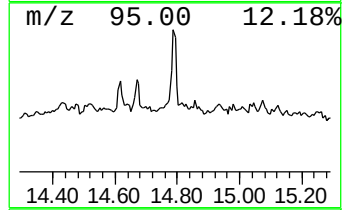
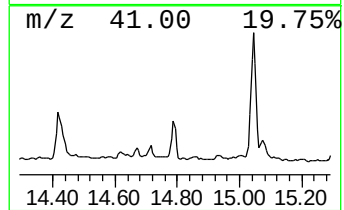
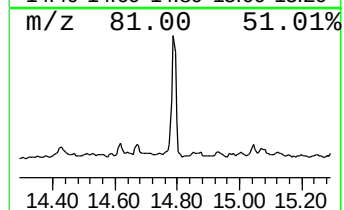
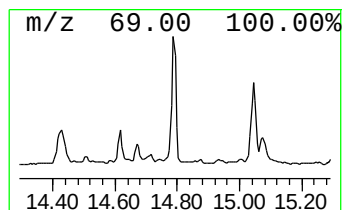
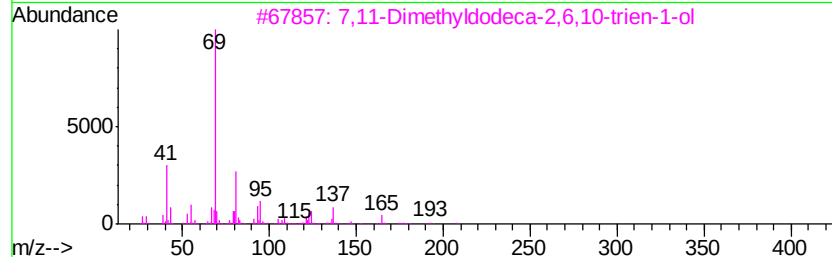
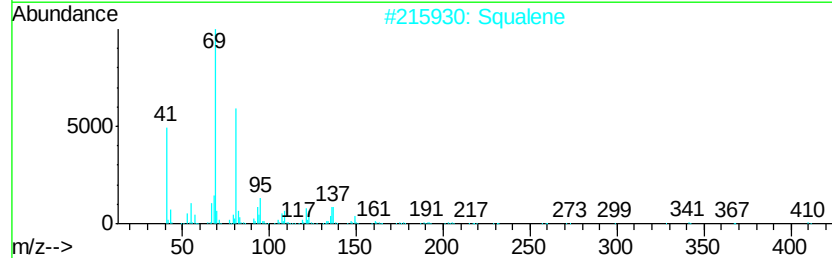
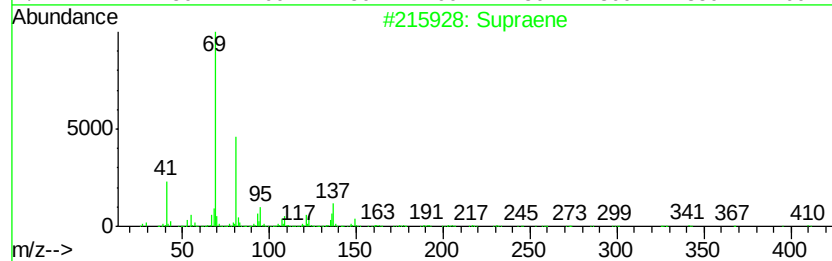
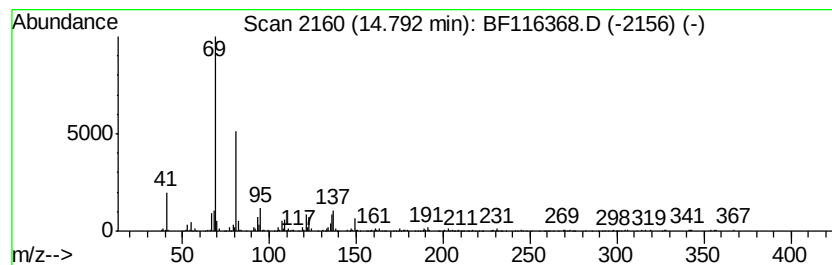
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Squalene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	6.49 ng	319427	Perylene-d12	15.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Supraene	410	C30H50	007683-64-9	91
2		Squalene	410	C30H50	000111-02-4	91
3		7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	72
4		1,5-Heptadiene, 3,3,6-trimethyl-	138	C10H18	035387-63-4	50
5		2,6-Octadiene, 4-methyl-	124	C9H16	074498-94-5	50



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Acq On : 17 Aug 2019 20:07
Operator : HP/JU
Sample : K4223-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

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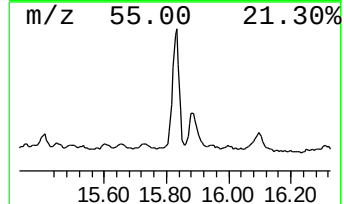
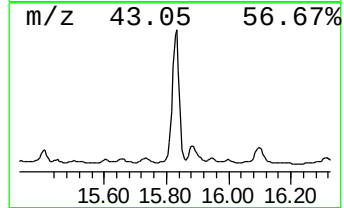
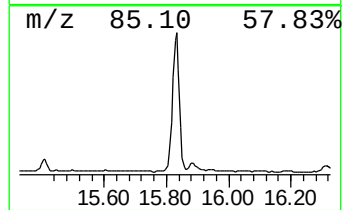
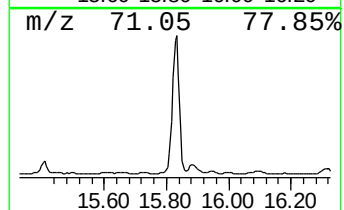
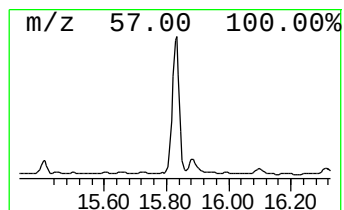
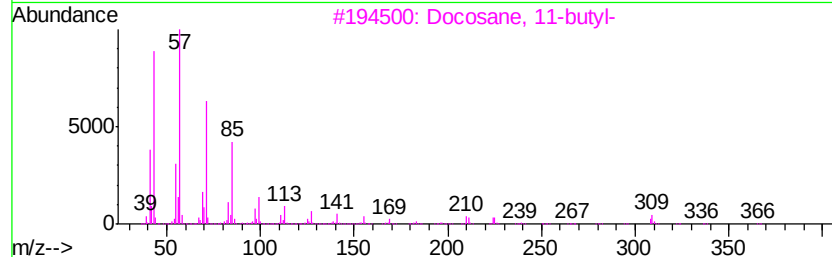
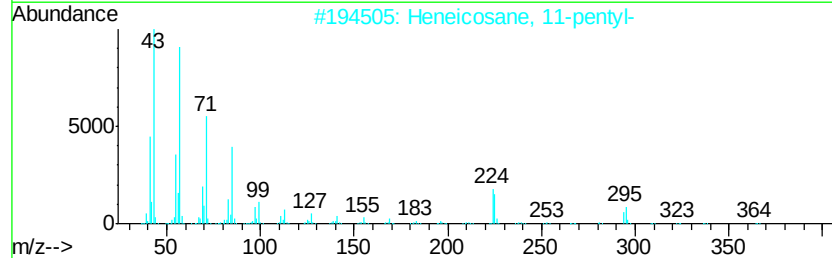
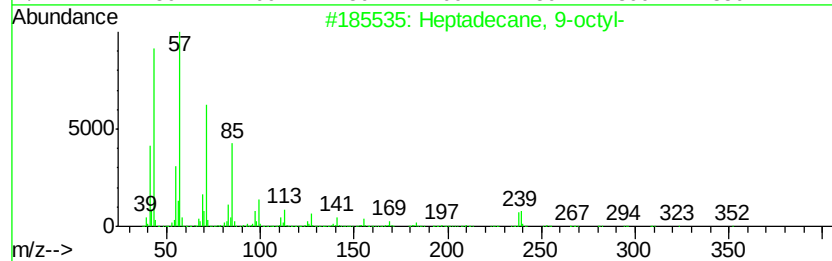
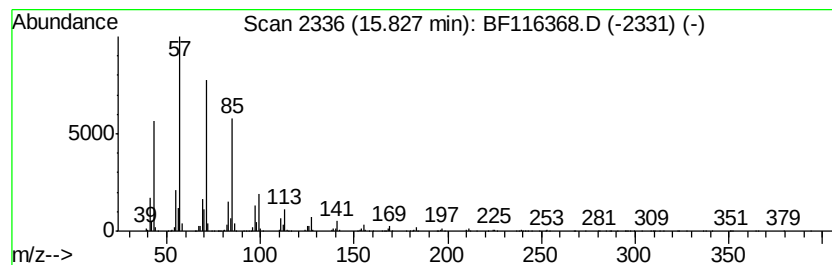
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Heptadecane, 9-octyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.83	44.40 ng	2185950	Perylene-d12	15.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	95
2		Heneicosane, 11-pentyl-	366	C26H54	014739-72-1	93
3		Docosane, 11-butyl-	366	C26H54	013475-76-8	91
4		2-methyloctacosane	408	C29H60	1000376-72-8	91
5		Heneicosane	296	C21H44	000629-94-7	91



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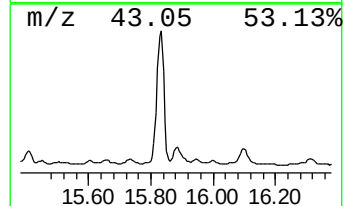
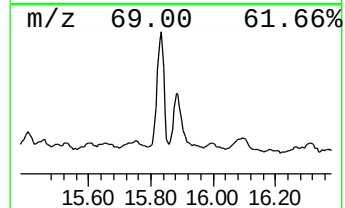
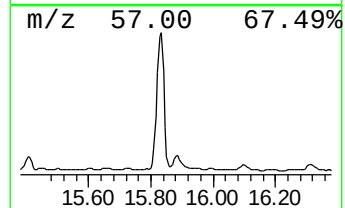
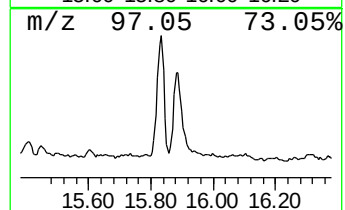
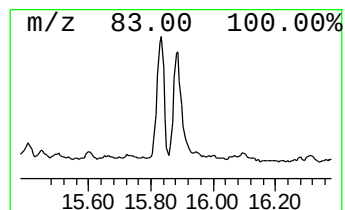
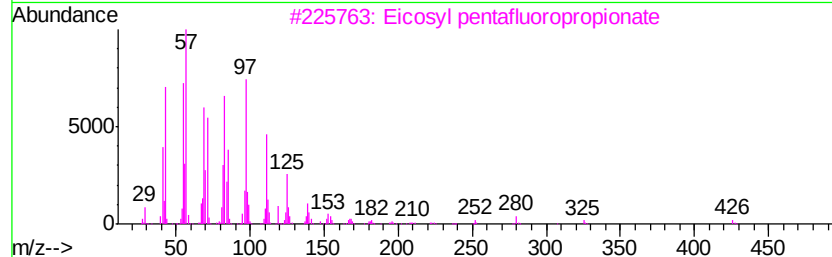
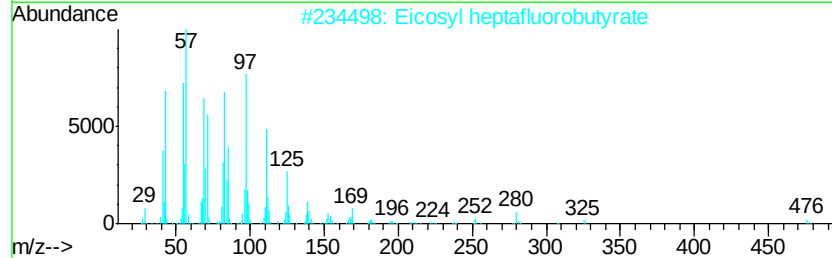
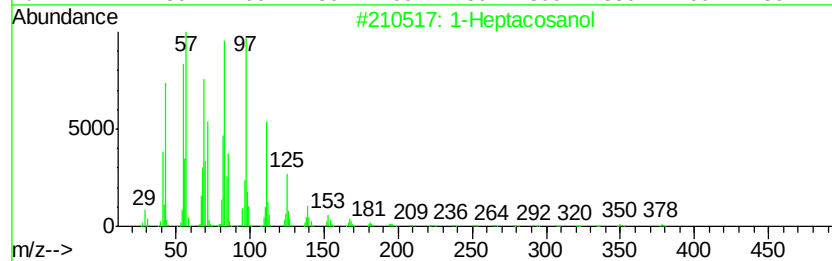
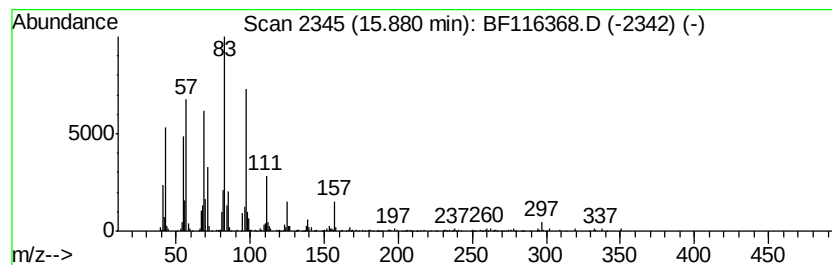
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 1-Heptacosanol Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD		R.T.		
15.88	9.01 ng	443635	Perylene-d12		15.43		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Heptacosanol	396	C27H56O	002004-39-9	60
2			Eicosyl heptafluorobutyrate	494	C24H41F7O2	1000351-83-5	53
3			Eicosyl pentafluoropropionate	444	C23H41F5O2	1000351-80-8	53
4			Eicosyl trifluoroacetate	394	C22H41F3O2	1000351-75-2	49
5			Triacetyl acetate	480	C32H64O2	041755-58-2	45



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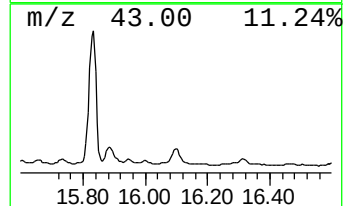
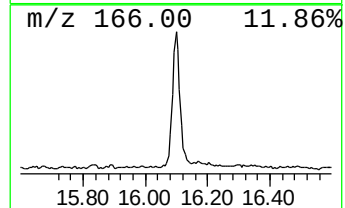
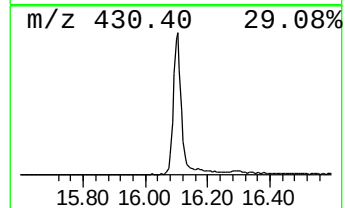
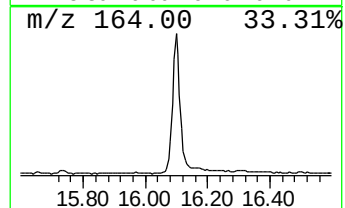
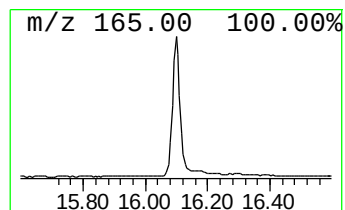
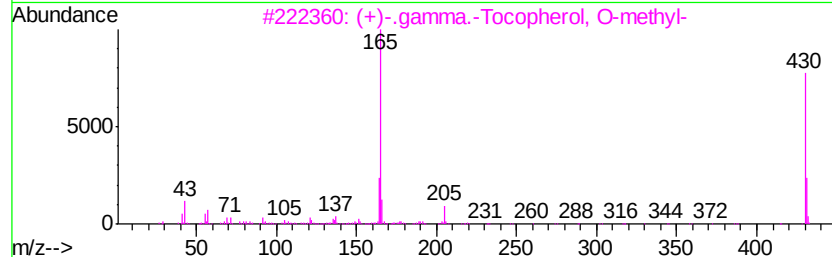
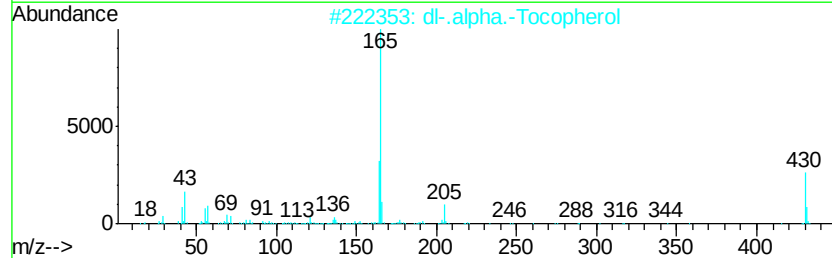
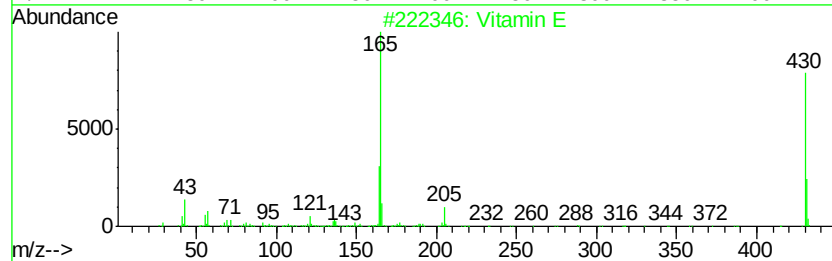
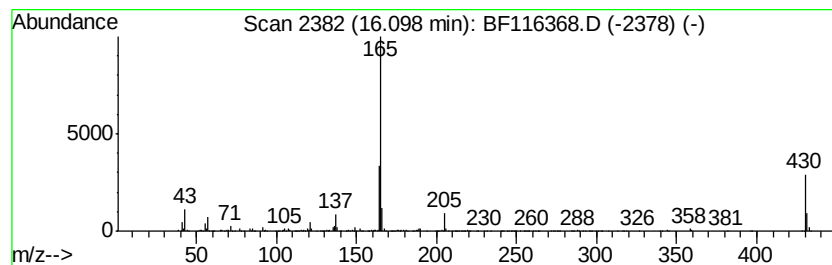
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Vitamin E Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.10	18.84 ng	927784	Perylene-d12	15.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Vitamin E	430	C29H50O2	000059-02-9	97
2		dl-.alpha.-Tocopherol	430	C29H50O2	010191-41-0	95
3		(+)-.gamma.-Tocopherol, 0-methyl-	430	C29H50O2	1000374-72-2	94
4		3,6-Dimethyl-5-oxo-1,2,3,5-tetra...	165	C8H11N3O	058910-42-2	50
5		Furo[3,4-c]pyridine-3,4(1H,5H)-d...	165	C8H7NO3	007472-18-6	40



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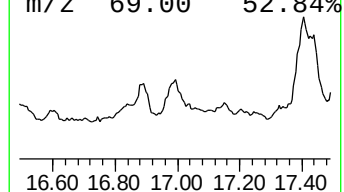
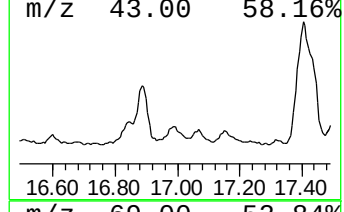
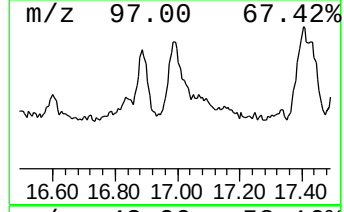
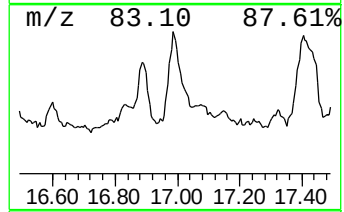
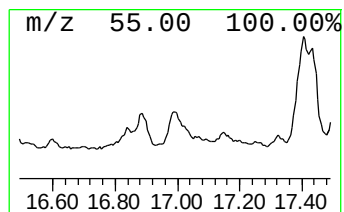
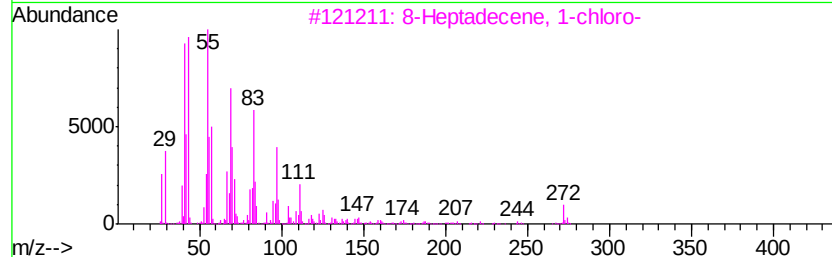
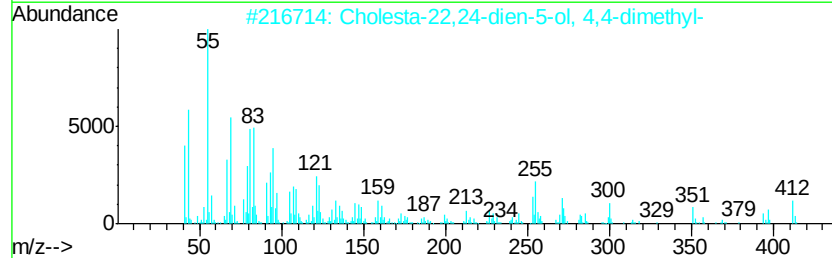
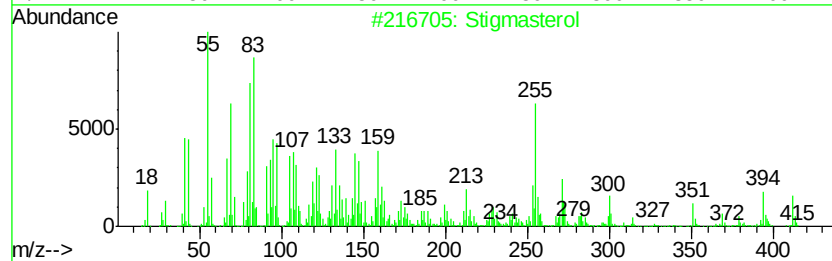
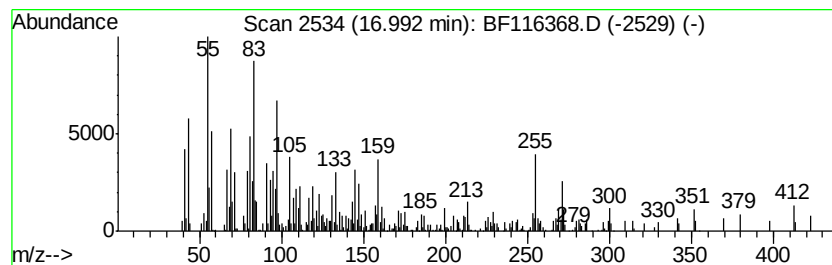
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Stigmasterol Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.99	7.09 ng	349339	Perylene-d12	15.43
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Stigmasterol	412 C29H48O	000083-48-7 83
2		Cholesta-22,24-dien-5-ol, 4,4-di...	412 C29H48O	1000128-66-1 55
3		8-Heptadecene, 1-chloro-	272 C17H33Cl	056554-80-4 47
4		Chondrillasterol	412 C29H48O	000481-17-4 45
5		1,22-Docosanediol	342 C22H46O2	022513-81-1 25



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081719\
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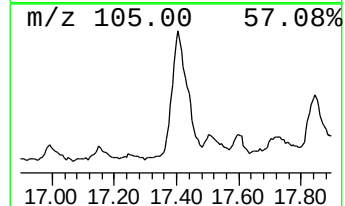
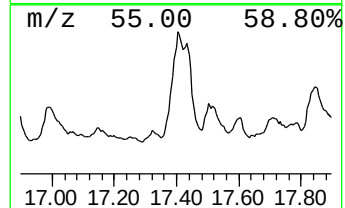
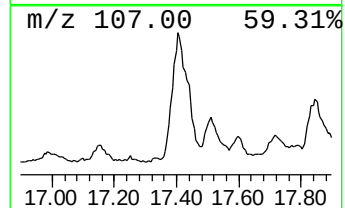
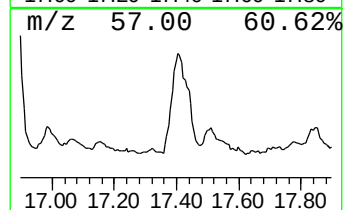
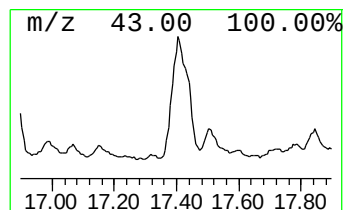
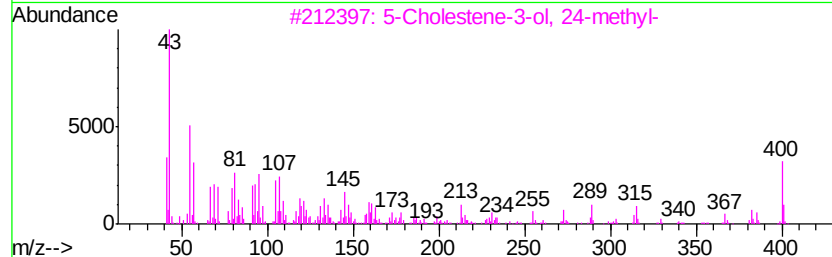
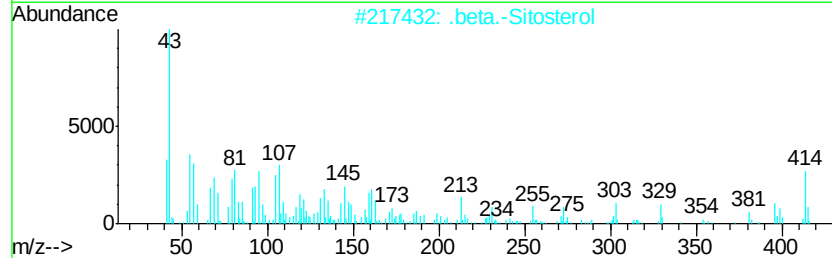
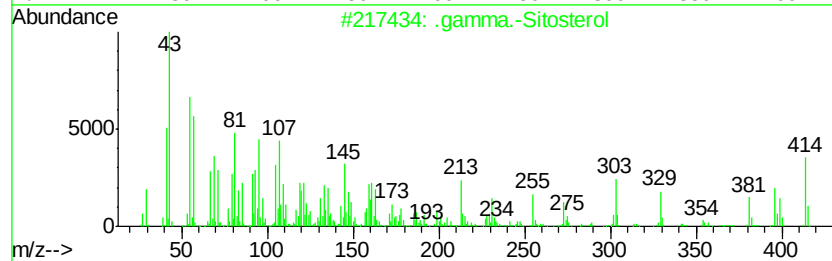
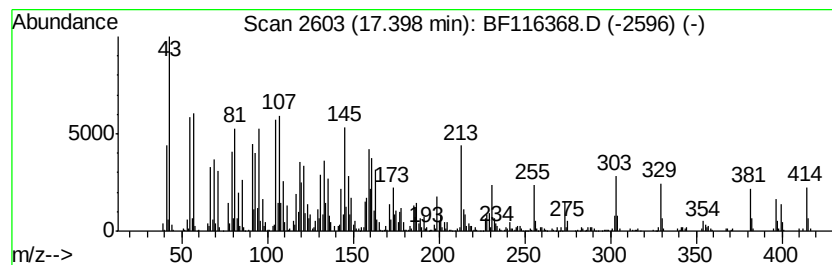
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 .gamma.-Sitosterol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.40	84.69 ng	4169740	Perylene-d12	15.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	.gamma.-Sitosterol	414	C29H50O	000083-47-6	99
2		.beta.-Sitosterol	414	C29H50O	000083-46-5	95
3		5-Cholestene-3-ol, 24-methyl-	400	C28H48O	1000214-17-4	59
4		Ergost-5-en-3-ol, (3.beta.)-	400	C28H48O	004651-51-8	43
5		Isocholesteryl methyl ether	400	C28H48O	029944-53-4	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081719\
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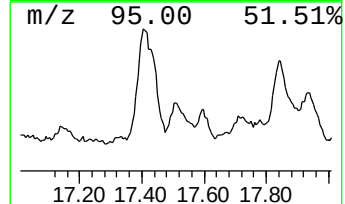
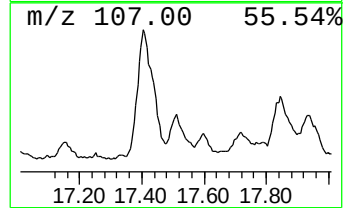
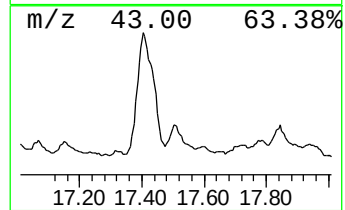
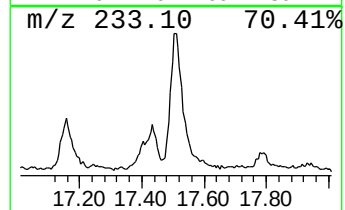
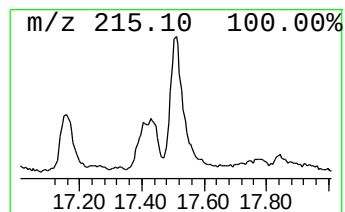
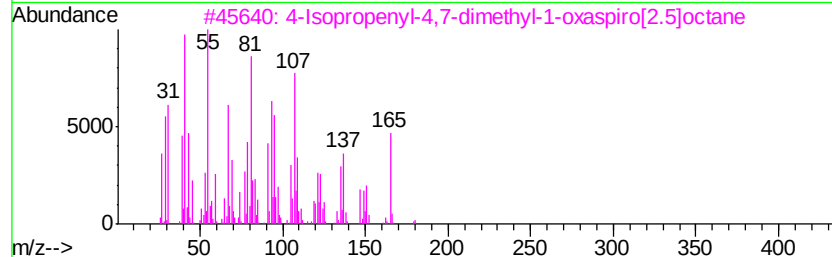
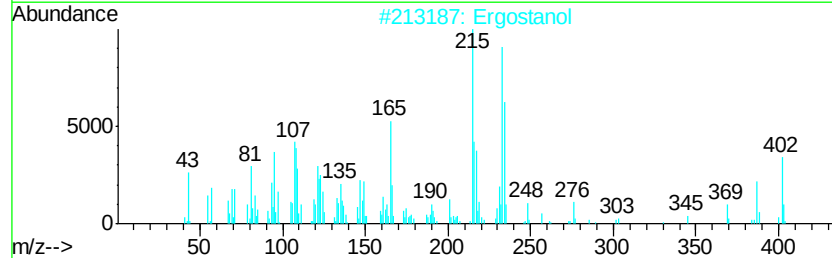
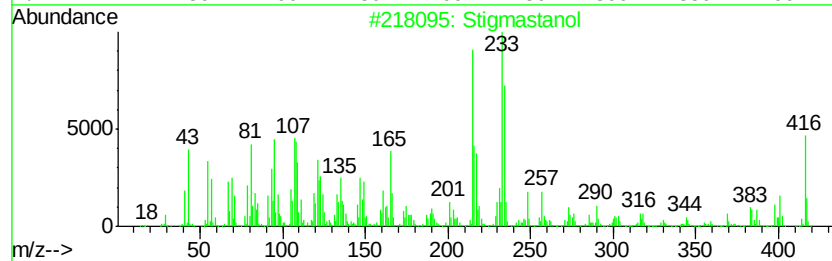
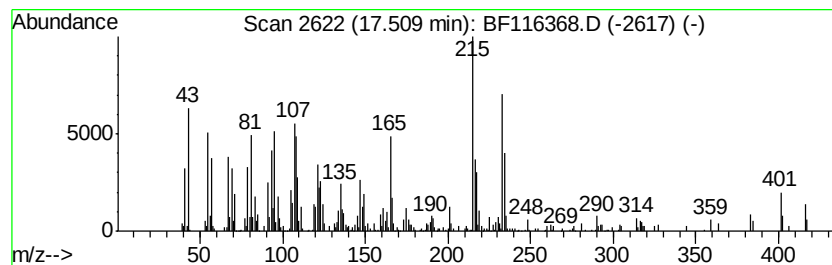
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Ergostanol Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.51	13.72 ng	675759	Perylene-d12	15.43
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Stigmastanol	416 C29H52O	019466-47-8 93
2		Ergostanol	402 C28H50O	006538-02-9 70
3		4-Isopropenyl-4,7-dimethyl-1-oxa...	180 C12H20O	1000187-81-7 18
4		trans-3-[2-Hydroxy-4-(2-methyl-2...	332 C22H36O2	1000370-41-7 16
5		5-(2-Methyloctan-2-yl)-3-(1R,3R-...	332 C22H36O2	070434-92-3 16



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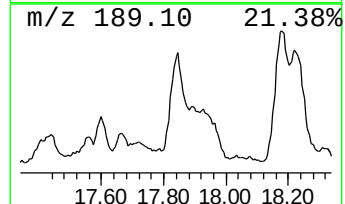
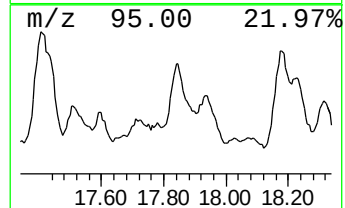
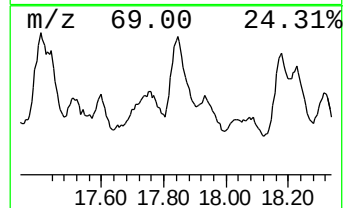
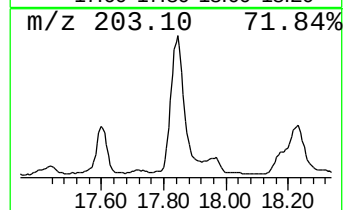
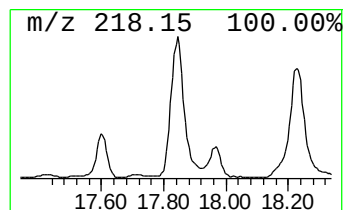
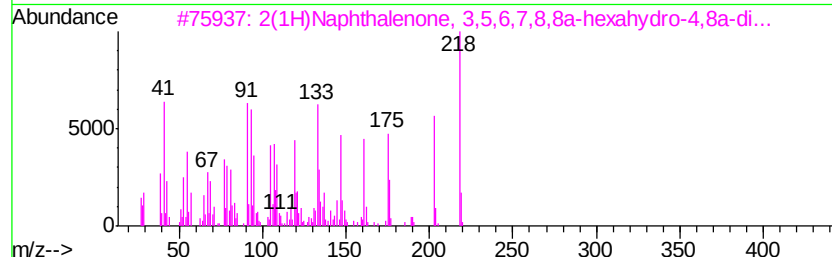
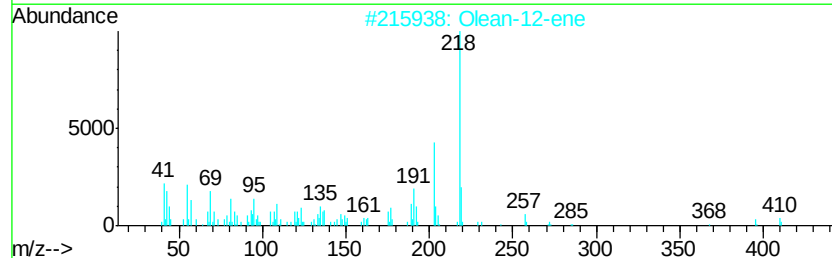
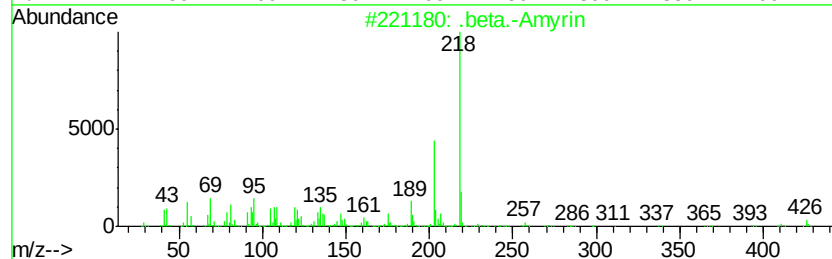
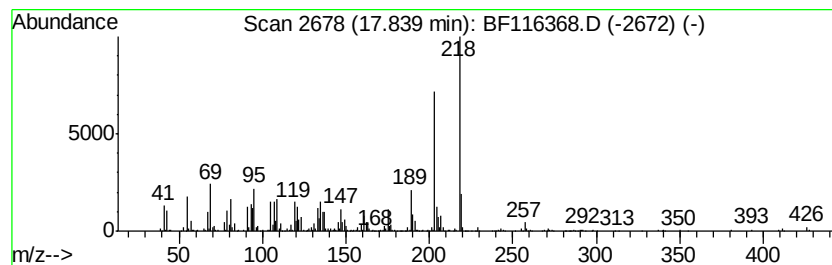
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Olean-12-ene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.84	32.94 ng	1621970	Perylene-d12	15.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	.beta.-Amyrin	426	C30H500	000559-70-6	90
2		Olean-12-ene	410	C30H50	000471-68-1	72
3		2(1H)Naphthalenone, 3,5,6,7,8,8a...	218	C15H22O	1000188-66-5	70
4		3-Methoxy-6,7,8,9-tetrahydro-dib...	218	C13H14O3	1000186-57-9	68
5		Pyrene, hexadecahydro-	218	C16H26	002435-85-0	60



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081719\
Data File : BF116368.D
Acq On : 17 Aug 2019 20:07
Operator : HP/JU
Sample : K4223-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

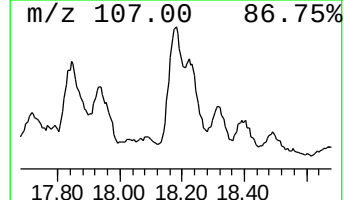
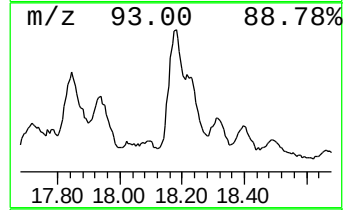
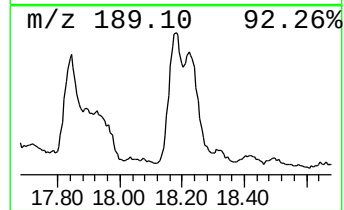
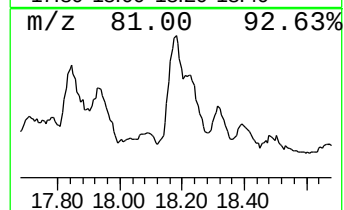
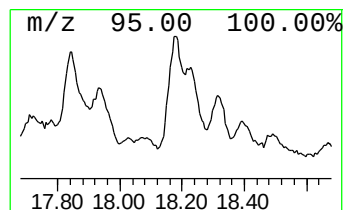
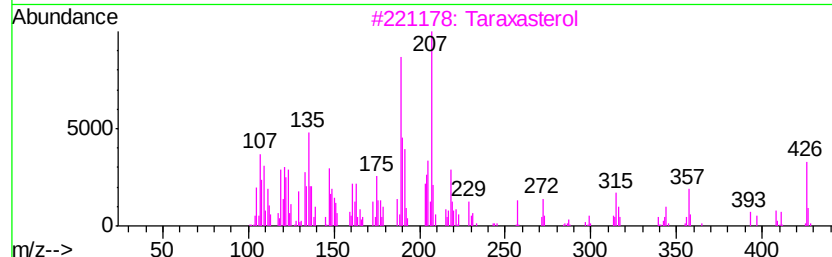
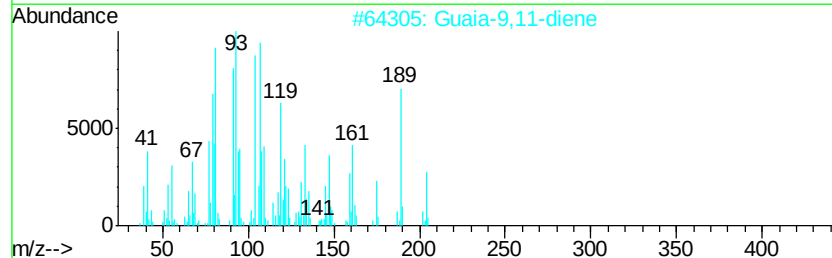
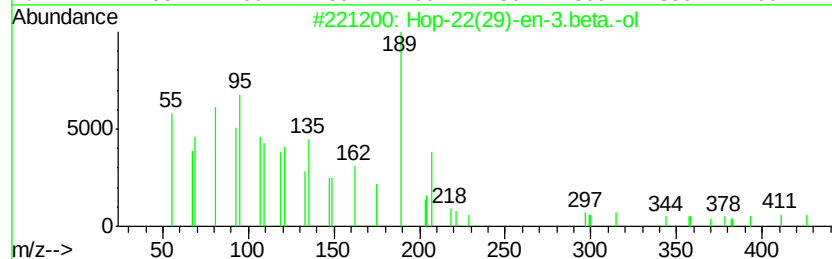
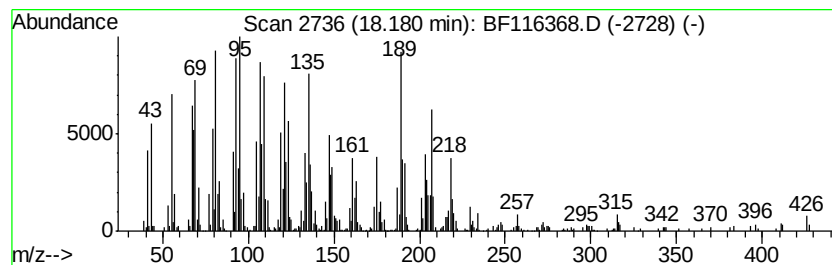
Instrument :
BNA_F
ClientSampled :
SP-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Hop-22(29)-en-3.beta.-ol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.18	36.58 ng	1801200	Perylene-d12	15.43	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hop-22(29)-en-3.beta.-ol	426	C30H50O	058801-23-3	92
2	Guaia-9,11-diene	204	C15H24	1000374-19-8	70
3	Taraxasterol	426	C30H50O	001059-14-9	64
4	1,5,9-Cyclotetradecatriene, 1,5,...	272	C20H32	038748-84-4	55
5	Cyclohexane, 1-ethenyl-1-methyl-...	204	C15H24	003242-08-8	42



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081719\
Data File : BF116368.D
Acq On : 17 Aug 2019 20:07
Operator : HP/JU
Sample : K4223-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-3

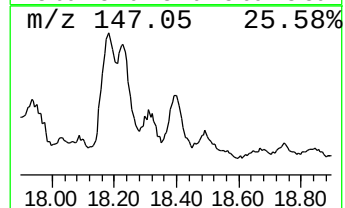
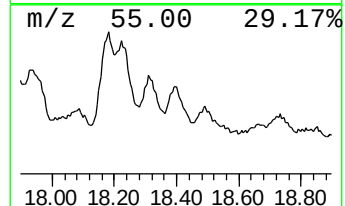
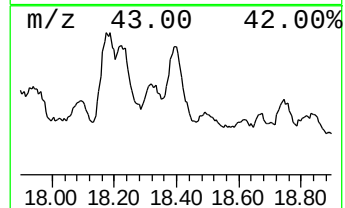
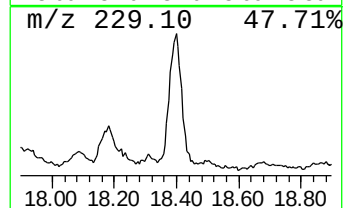
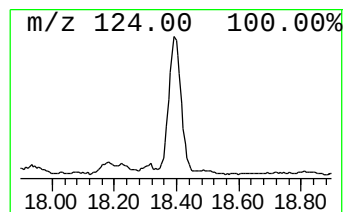
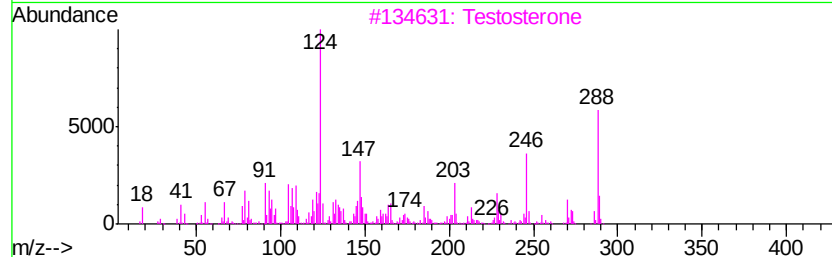
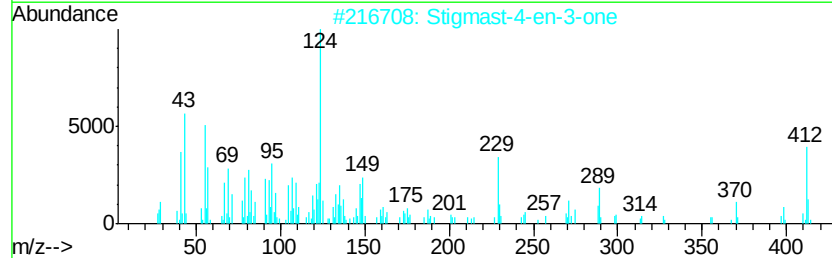
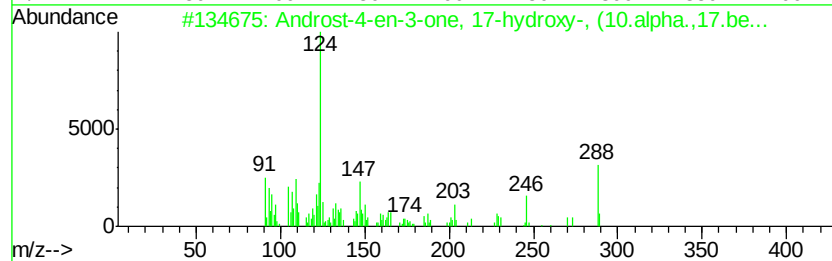
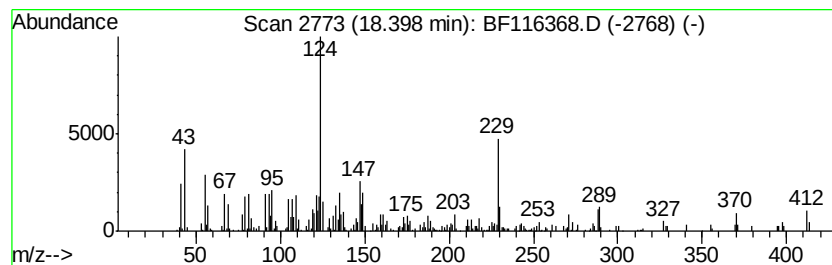
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Androst-4-en-3-one, 17-hydr... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	13.99 ng	688718	Perylene-d12	15.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Androst-4-en-3-one, 17-hydroxy-, ...	288	C19H28O2	000604-39-7	86
2		Stigmast-4-en-3-one	412	C29H48O	001058-61-3	64
3		Testosterone	288	C19H28O2	000058-22-0	46
4		6-(3-Methylbutyl)-2-pyrazinylmet...	180	C10H16N2O	1000108-63-5	30
5		p-Fluoroatropine dehydrate	289	C17H20FN02	1000212-74-8	27



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081719\
 Data File : BF116368.D
 Acq On : 17 Aug 2019 20:07
 Operator : HP/JU
 Sample : K4223-05
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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
unknown6.59	6.59	78.4	ng	3238290	1	6.81	826378	20.0
n-Hexadecanoic acid	11.86	34.1	ng	1954030	4	11.33	1147210	20.0
17-Norkaur-15-ene...	12.02	7.6	ng	435837	4	11.33	1147210	20.0
Phytol	12.46	11.5	ng	659799	4	11.33	1147210	20.0
Octadecanoic acid	12.64	7.8	ng	447929	4	11.33	1147210	20.0
unknown13.67	13.67	6.8	ng	249192	5	13.97	737151	20.0
Dehydroabietic acid	13.77	34.6	ng	1276020	5	13.97	737151	20.0
Oxalic acid, isob...	13.80	18.4	ng	678956	5	13.97	737151	20.0
Octacosane	14.42	27.0	ng	995892	5	13.97	737151	20.0
Squalene	14.79	6.5	ng	319427	6	15.43	984750	20.0
Heptadecane, 9-oc...	15.83	44.4	ng	2185950	6	15.43	984750	20.0
1-Heptacosanol	15.88	9.0	ng	443635	6	15.43	984750	20.0
Vitamin E	16.10	18.8	ng	927784	6	15.43	984750	20.0
Stigmasterol	16.99	7.1	ng	349339	6	15.43	984750	20.0
.gamma.-Sitosterol	17.40	84.7	ng	4169740	6	15.43	984750	20.0
Ergostanol	17.51	13.7	ng	675759	6	15.43	984750	20.0
Olean-12-ene	17.84	32.9	ng	1621970	6	15.43	984750	20.0
Hop-22(29)-en-3.b...	18.18	36.6	ng	1801200	6	15.43	984750	20.0
Androst-4-en-3-on...	18.40	14.0	ng	688718	6	15.43	984750	20.0