

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081719\
 Data File : BF116370.D
 Acq On : 17 Aug 2019 21:00
 Operator : HP/JU
 Sample : K4223-23
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-12

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	591	rBV	2734968	3073630	84.52%	5.030%
2	6.087	677	680	684	rVB	54766	44551	1.23%	0.073%
3	6.457	739	743	756	rBV	2883634	3331178	91.60%	5.452%
4	6.587	761	765	772	rVB	3438679	3227822	88.76%	5.283%
5	6.810	800	803	813	rBV	960002	861497	23.69%	1.410%
6	6.963	826	829	847	rBV	2607455	2601580	71.54%	4.258%
7	7.375	895	899	911	rBV	2153910	2108834	57.99%	3.451%
8	8.004	1001	1006	1016	rBV4	36315	69753	1.92%	0.114%
9	8.086	1017	1020	1030	rBV	1111995	1106193	30.42%	1.810%
10	8.675	1115	1120	1123	rBV3	43683	38867	1.07%	0.064%
11	9.163	1199	1203	1206	rBV	3926185	3475998	95.58%	5.689%
12	9.228	1210	1214	1218	rVB3	56616	66196	1.82%	0.108%
13	9.275	1218	1222	1226	rBV	254259	261370	7.19%	0.428%
14	9.475	1252	1256	1257	rBV2	66251	57252	1.57%	0.094%
15	9.498	1257	1260	1264	rVV	188480	167664	4.61%	0.274%
16	9.557	1264	1270	1273	rVV	794460	647286	17.80%	1.059%
17	9.592	1273	1276	1279	rVB3	99787	91910	2.53%	0.150%
18	9.680	1287	1291	1294	rBV2	34738	46055	1.27%	0.075%
19	9.751	1298	1303	1305	rVV2	91866	85108	2.34%	0.139%
20	9.775	1305	1307	1312	rVB4	41085	55944	1.54%	0.092%
21	9.839	1315	1318	1321	rBV	1422680	1194431	32.84%	1.955%
22	9.863	1321	1322	1326	rVB2	189042	149260	4.10%	0.244%
23	9.916	1328	1331	1333	rVB	66165	56834	1.56%	0.093%
24	9.957	1333	1338	1342	rBV	371364	330726	9.09%	0.541%
25	9.992	1342	1344	1347	rVB	78356	67389	1.85%	0.110%
26	10.051	1350	1354	1356	rBV4	48352	62390	1.72%	0.102%
27	10.133	1365	1368	1370	rVB	98176	85524	2.35%	0.140%
28	10.392	1409	1412	1414	rBV2	38060	40994	1.13%	0.067%
29	10.416	1414	1416	1418	rBV	92220	78233	2.15%	0.128%
30	10.480	1425	1427	1429	rVB2	59725	45273	1.24%	0.074%
31	10.510	1429	1432	1435	rVB	112229	100248	2.76%	0.164%
32	10.563	1435	1441	1444	rBV4	88882	137320	3.78%	0.225%
33	10.604	1444	1448	1450	rBV2	215691	218071	6.00%	0.357%
34	10.633	1450	1453	1456	rBV	2074295	1830500	50.33%	2.996%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.692	1461	1463	1469	rVB	74188	71650	1.97%	0.117%
36	10.745	1469	1472	1477	rBV2	92529	114523	3.15%	0.187%
37	10.827	1483	1486	1490	rBV4	32257	47662	1.31%	0.078%
38	10.863	1490	1492	1495	rBV3	36335	38764	1.07%	0.063%
39	10.933	1501	1504	1508	rBV	70517	67898	1.87%	0.111%
40	10.998	1511	1515	1520	rBV4	148863	220257	6.06%	0.360%
41	11.045	1520	1523	1525	rVB	44341	44266	1.22%	0.072%
42	11.122	1533	1536	1539	rVB2	38330	39482	1.09%	0.065%
43	11.274	1559	1562	1565	rBV	65873	70989	1.95%	0.116%
44	11.327	1565	1571	1573	rVV	1216316	1130089	31.07%	1.849%
45	11.351	1573	1575	1577	rVV	283801	266113	7.32%	0.436%
46	11.374	1577	1579	1582	rVB	229550	178887	4.92%	0.293%
47	11.463	1591	1594	1596	rVB	137609	136576	3.76%	0.224%
48	11.545	1603	1608	1611	rBV3	71734	124642	3.43%	0.204%
49	11.704	1632	1635	1642	rVB2	96506	113796	3.13%	0.186%
50	11.786	1646	1649	1650	rBV2	115109	118223	3.25%	0.193%
51	11.810	1650	1653	1656	rVV2	153196	177867	4.89%	0.291%
52	11.863	1657	1662	1673	rVV	1796772	2131909	58.62%	3.489%
53	12.016	1682	1688	1691	rBV2	386761	427298	11.75%	0.699%
54	12.104	1700	1703	1705	rBV3	78810	90248	2.48%	0.148%
55	12.145	1708	1710	1713	rVB2	91006	75171	2.07%	0.123%
56	12.204	1718	1720	1724	rVB2	81615	77788	2.14%	0.127%
57	12.263	1726	1730	1733	rVB3	103287	135231	3.72%	0.221%
58	12.292	1733	1735	1739	rVB3	50490	41877	1.15%	0.069%
59	12.363	1743	1747	1750	rBV	545597	586554	16.13%	0.960%
60	12.463	1761	1764	1769	rBV	462411	528943	14.54%	0.866%
61	12.545	1774	1778	1779	rBV	820324	787718	21.66%	1.289%
62	12.569	1779	1782	1791	rVV2	1191349	1988136	54.67%	3.254%
63	12.639	1791	1794	1802	rVB	486841	578357	15.90%	0.947%
64	12.727	1807	1809	1812	rVB2	103497	92398	2.54%	0.151%
65	12.774	1814	1817	1821	rVB	319103	305471	8.40%	0.500%
66	12.910	1836	1840	1843	rVB	2488248	2360255	64.90%	3.863%
67	13.104	1871	1873	1876	rBV2	115370	115556	3.18%	0.189%
68	13.298	1902	1906	1908	rBV3	147643	189944	5.22%	0.311%
69	13.333	1909	1912	1913	rBV	323534	260449	7.16%	0.426%
70	13.404	1922	1924	1925	rBV	71488	52458	1.44%	0.086%
71	13.427	1925	1928	1931	rVB2	141519	149680	4.12%	0.245%

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Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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72	13.515	1941	1943	1946	rBV3	62782	58525	1.61%	0.096%
73	13.645	1963	1965	1968	rBV	103288	134489	3.70%	0.220%
74	13.798	1987	1991	1997	rVB	714728	782989	21.53%	1.281%
75	13.880	2002	2005	2009	rBV	153257	169376	4.66%	0.277%
76	13.968	2017	2020	2024	rBV2	771358	843191	23.19%	1.380%
77	14.115	2042	2045	2047	rBV2	101228	103332	2.84%	0.169%
78	14.421	2093	2097	2103	rBV2	823781	1105667	30.40%	1.810%
79	14.615	2128	2130	2132	rBV	97727	82734	2.28%	0.135%
80	14.674	2137	2140	2142	rBV	95060	99582	2.74%	0.163%
81	14.792	2156	2160	2163	rVB	319448	347844	9.56%	0.569%
82	14.933	2181	2184	2189	rBV3	129175	189780	5.22%	0.311%
83	15.010	2194	2197	2199	rVV	273251	344265	9.47%	0.563%
84	15.051	2199	2204	2206	rVV	2338771	2882279	79.26%	4.717%
85	15.074	2206	2208	2214	rVB	340486	387785	10.66%	0.635%
86	15.298	2243	2246	2252	rBV2	163155	260966	7.18%	0.427%
87	15.427	2265	2268	2278	rVB	565345	819594	22.54%	1.341%
88	15.657	2304	2307	2314	rVB2	151591	217411	5.98%	0.356%
89	15.733	2317	2320	2327	rVV2	127599	206160	5.67%	0.337%
90	15.833	2331	2337	2342	rVV	1678044	2522449	69.36%	4.128%
91	15.880	2342	2345	2353	rVB	265531	452223	12.44%	0.740%
92	16.098	2378	2382	2395	rVB	536719	1004688	27.63%	1.644%
93	17.409	2597	2605	2617	rBV3	971653	3636659	100.00%	5.952%
94	17.509	2619	2622	2628	rVV3	131574	241880	6.65%	0.396%
95	17.851	2673	2680	2689	rBV2	483312	1333450	36.67%	2.182%
96	18.180	2728	2736	2742	rBV2	663226	1995936	54.88%	3.267%
97	18.321	2756	2760	2767	rVB6	214067	449346	12.36%	0.735%
98	18.403	2769	2774	2784	rVB5	262566	677452	18.63%	1.109%

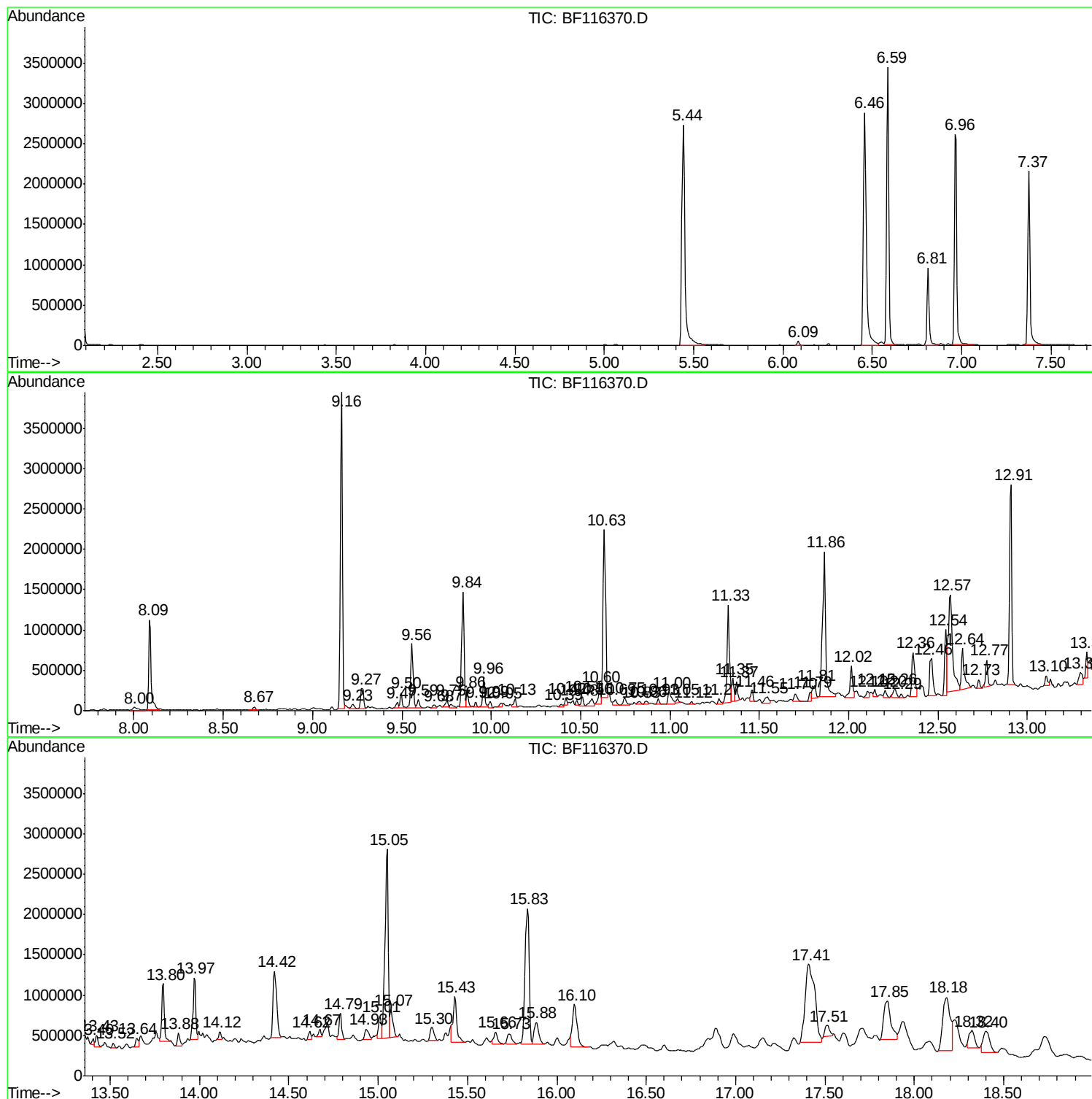
Sum of corrected areas: 61103058

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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



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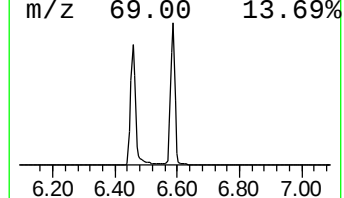
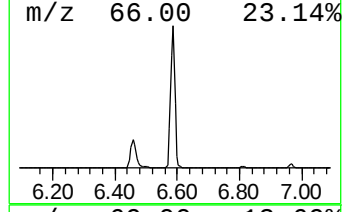
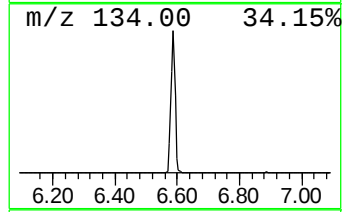
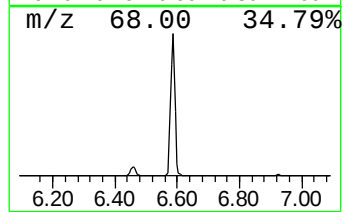
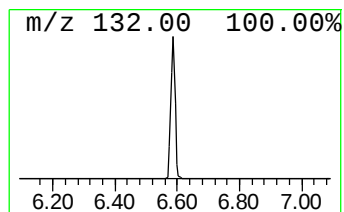
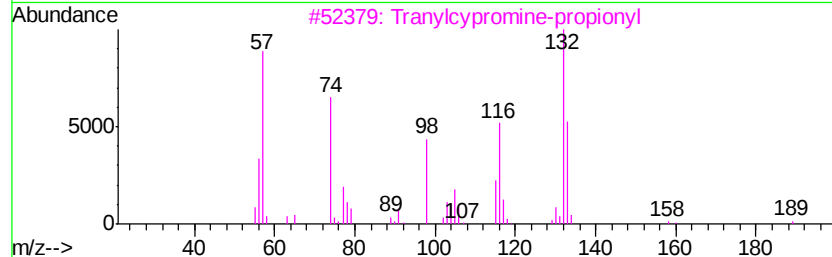
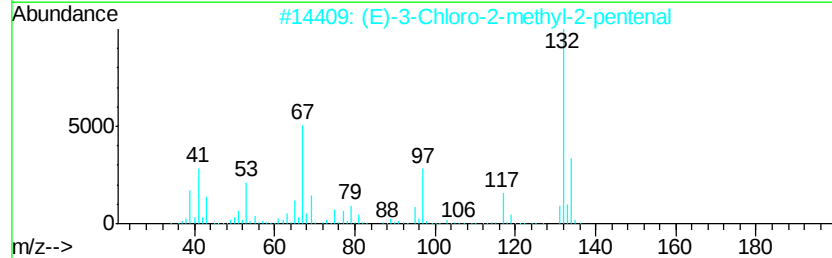
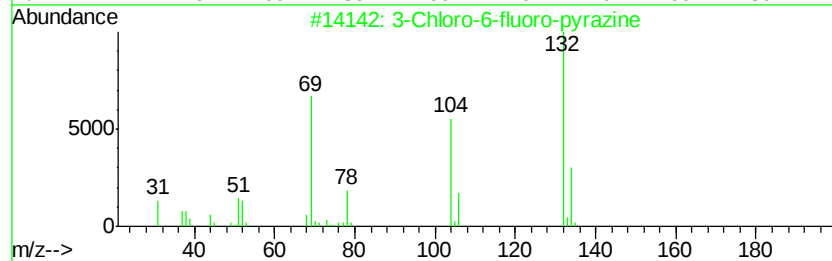
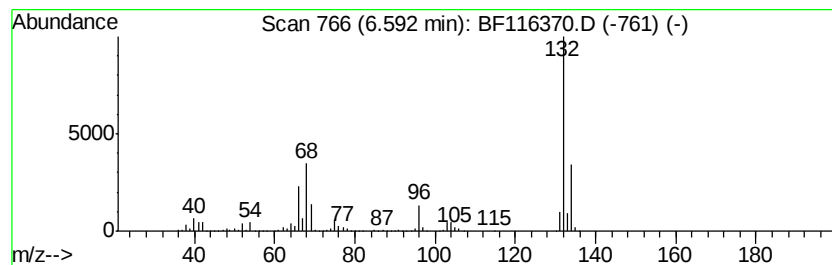
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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	74.94 ng	3227820	1,4-Dichlorobenzene-d4	6.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3		Tranvlcyproline-propionyl	189	C12H15NO	1000123-86-3	12
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



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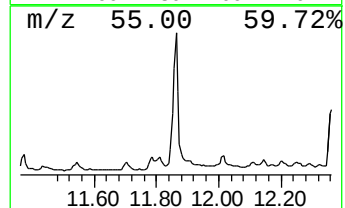
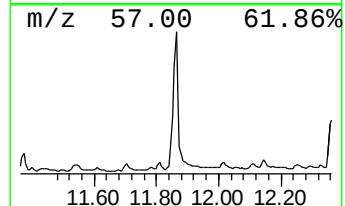
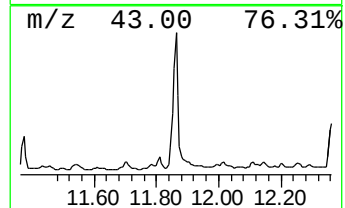
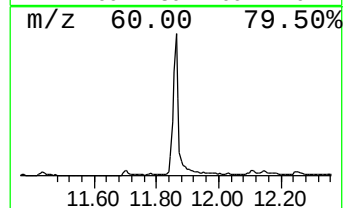
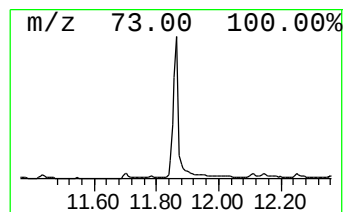
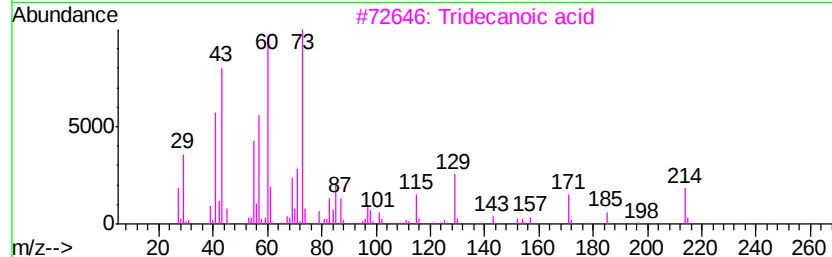
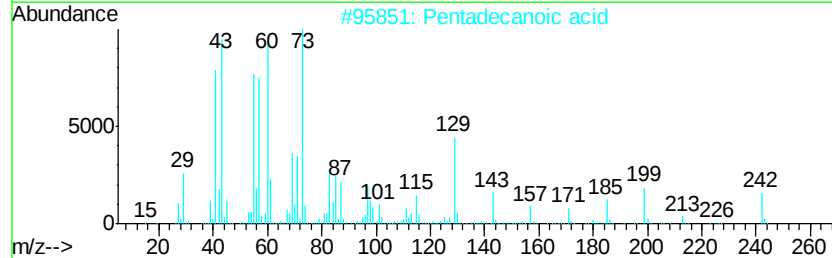
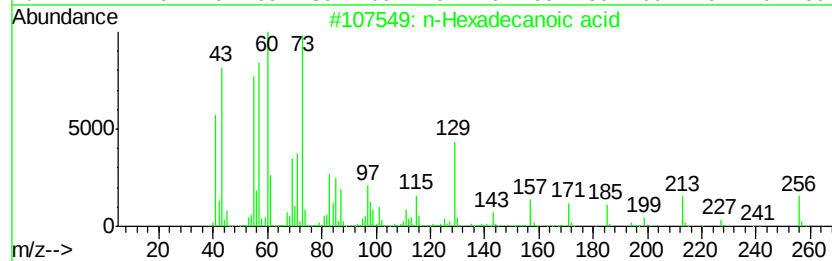
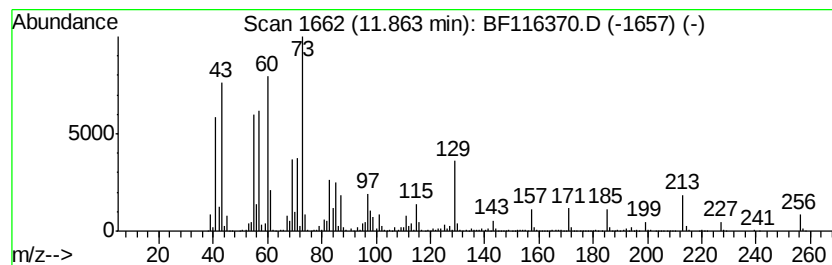
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	37.73 ng	2131910	Phenanthrene-d10	11.33

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2		Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3		Tridecanoic acid	214	C13H26O2	000638-53-9	90
4		Tetradecanoic acid	228	C14H28O2	000544-63-8	74
5		Isopropyl palmitate	298	C19H38O2	000142-91-6	59



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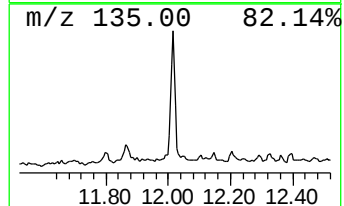
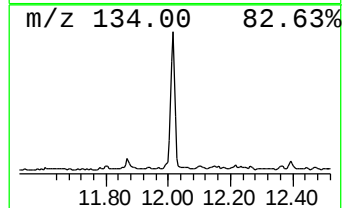
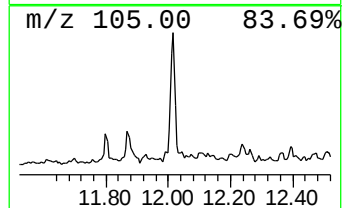
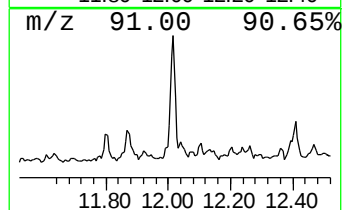
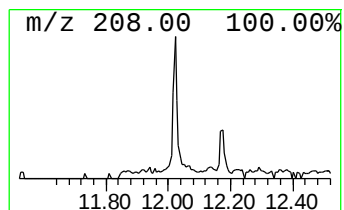
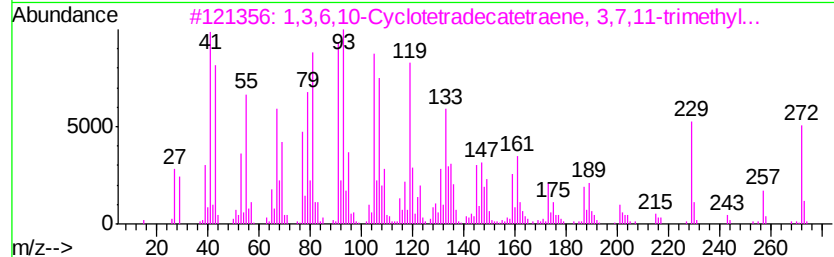
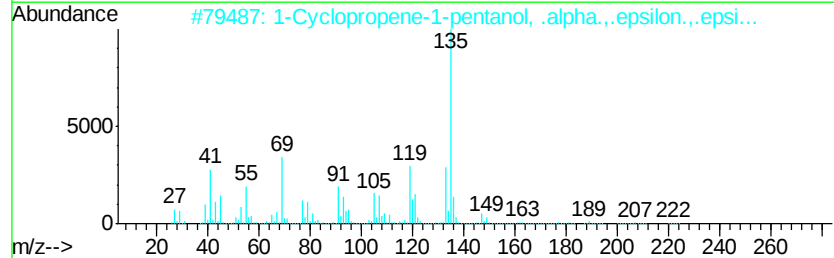
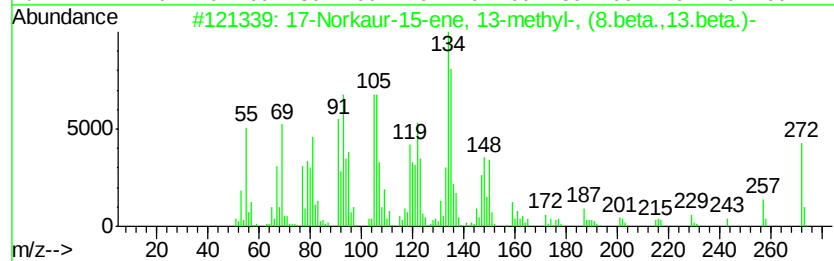
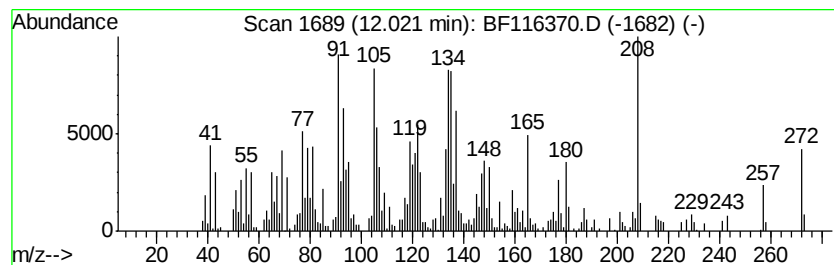
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 17-Norkaur-15-ene, 13-methy... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	7.56 ng	427298	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	17-Norkaur-15-ene, 13-methyl-, (...)	272	C20H32	003564-54-3	99
2		1-Cyclopropene-1-pentanol, .alph...	222	C15H26O	090165-06-3	43
3		1,3,6,10-Cyclotetradecatetraene,...	272	C20H32	001898-13-1	42
4		Bicyclopentyl-1,1'-diene	134	C10H14	000934-02-1	38
5		N-Benzylformamide	135	C8H9NO	006343-54-0	27



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Acq On : 17 Aug 2019 21:00
Operator : HP/JU
Sample : K4223-23
Misc :
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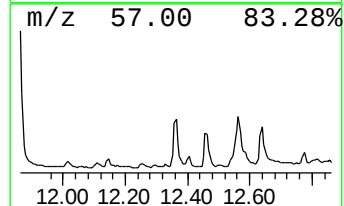
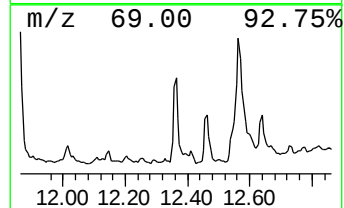
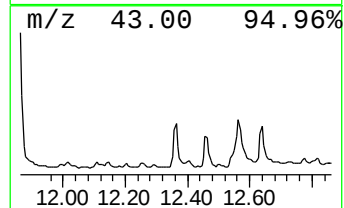
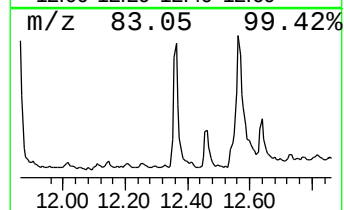
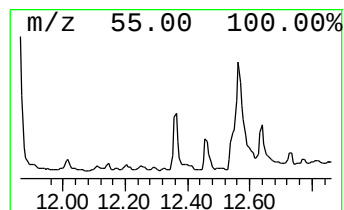
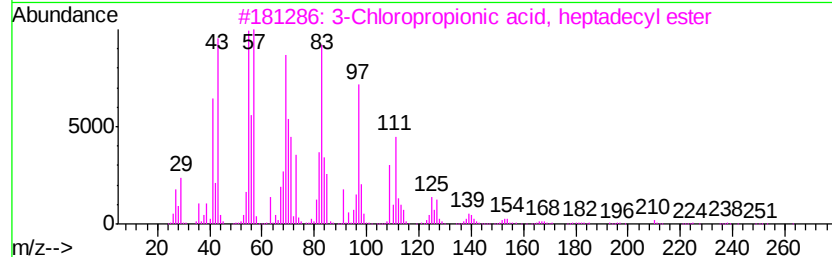
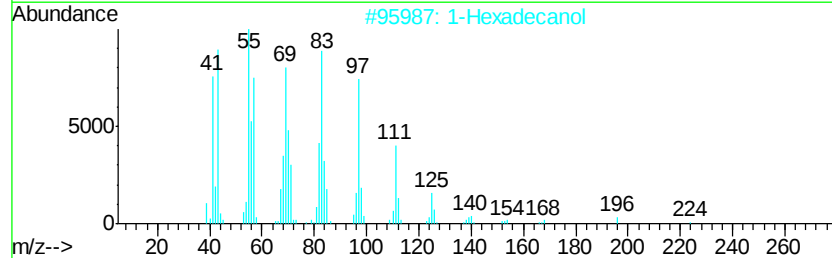
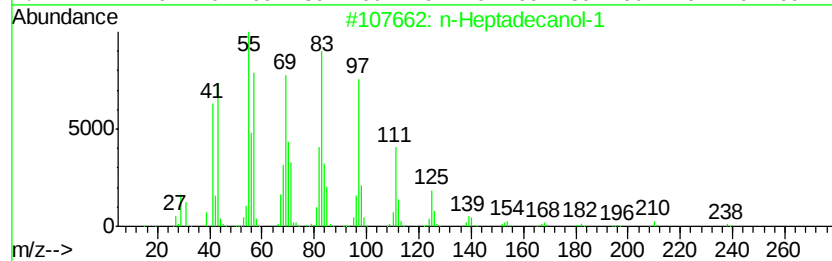
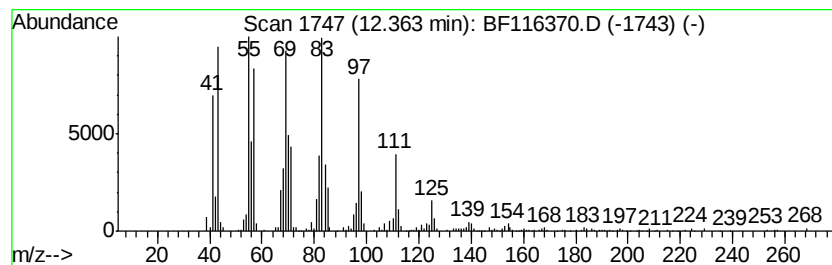
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 n-Heptadecanol-1 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.36	10.38 ng	586554	Phenanthrene-d10	11.33	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Heptadecanol-1	256	C17H36O	001454-85-9	95
2	1-Hexadecanol	242	C16H34O	036653-82-4	94
3	3-Chloropropionic acid, heptadec...	346	C20H39ClO2	1000283-05-1	94
4	Bromoacetic acid, hexadecyl ester	362	C18H35BrO2	005454-48-8	94
5	n-Nonadecanol-1	284	C19H40O	001454-84-8	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081719\
Data File : BF116370.D
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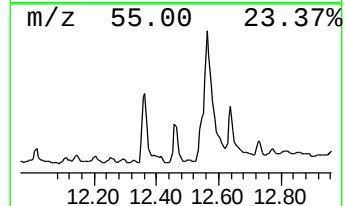
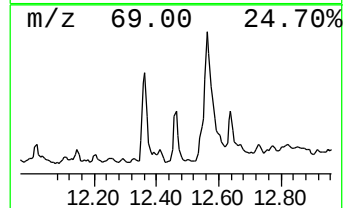
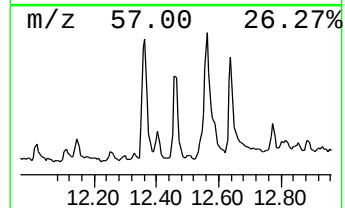
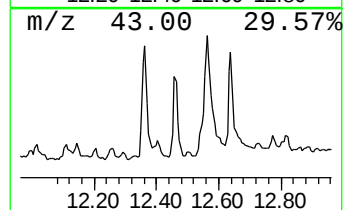
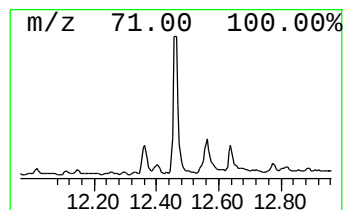
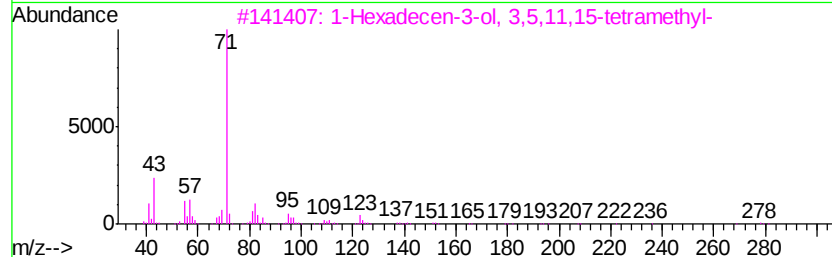
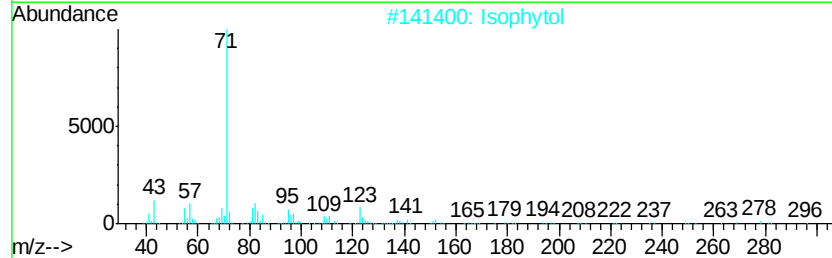
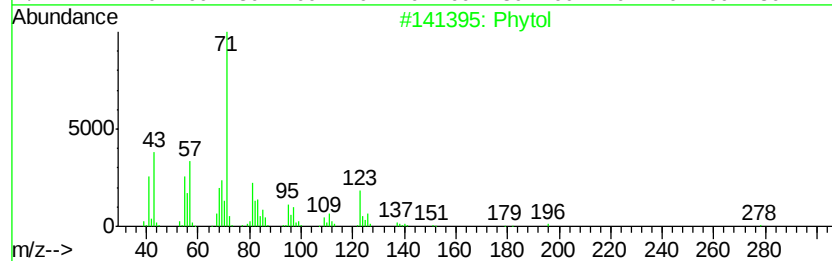
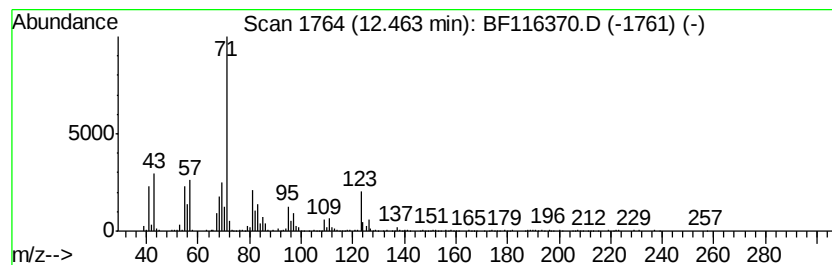
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phytol Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.46	9.36 ng	528943	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	72
3	1-Hexadecen-3-ol, 3,5,11,15-tetr...		296	C20H40O	1000262-55-5	64
4	Butyric acid, 3-pentadecyl ester		298	C19H38O2	1000280-57-3	53
5	Ether, methyl 1-octadecenyl		282	C19H38O	026537-06-4	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081719\
Data File : BF116370.D
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Sample : K4223-23
Misc :
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Instrument :
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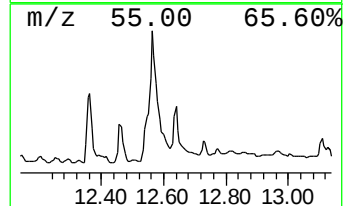
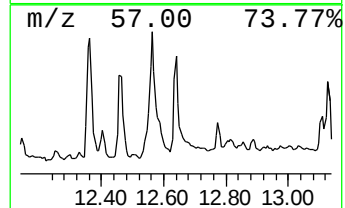
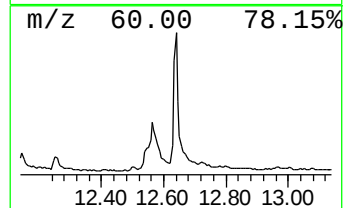
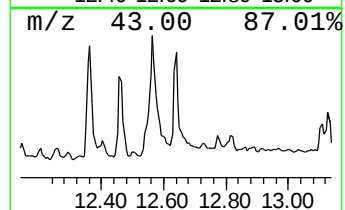
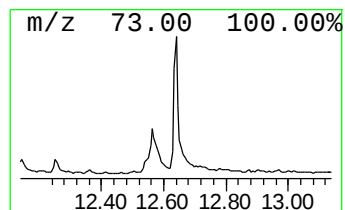
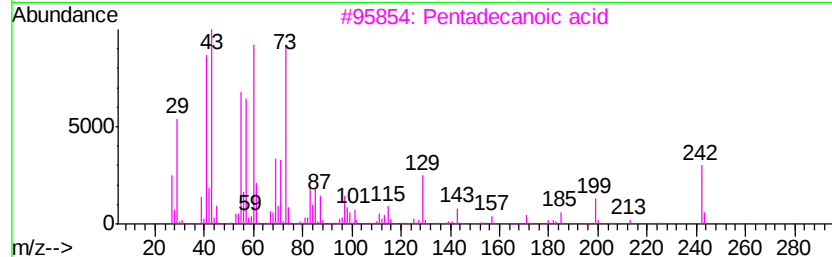
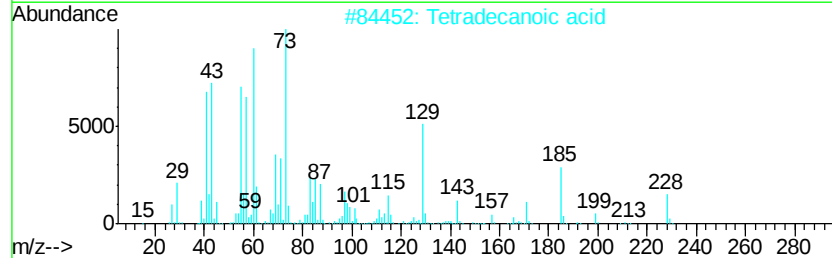
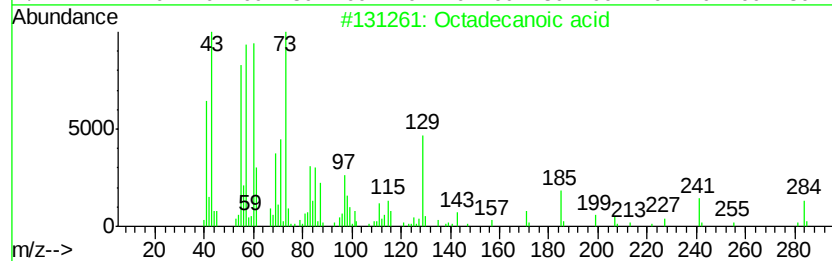
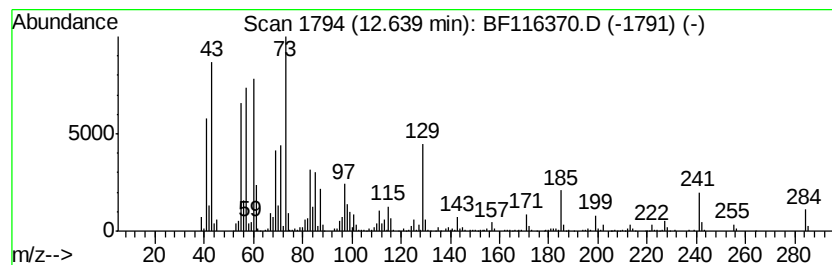
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Octadecanoic acid Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	10.24 ng	578357	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2		Tetradecanoic acid	228	C14H28O2	000544-63-8	90
3		Pentadecanoic acid	242	C15H30O2	001002-84-2	83
4		n-Decanoic acid	172	C10H20O2	000334-48-5	70
5		Tridecanoic acid	214	C13H26O2	000638-53-9	68



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Sample : K4223-23
Misc :
ALS Vial : 24 Sample Multiplier: 1

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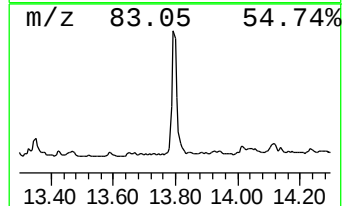
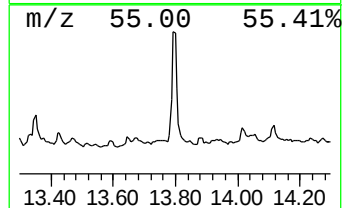
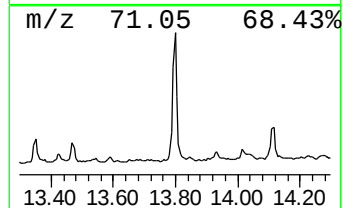
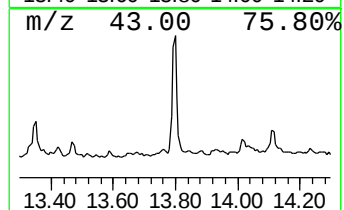
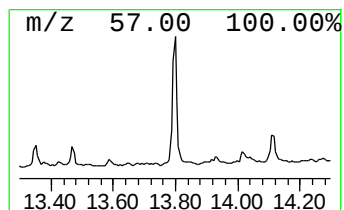
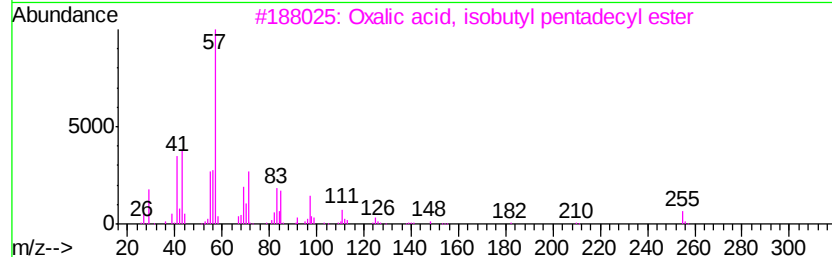
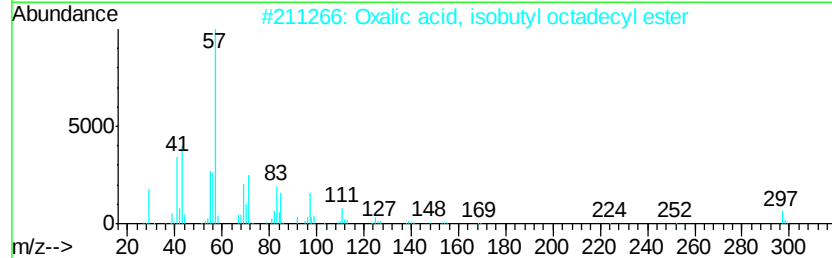
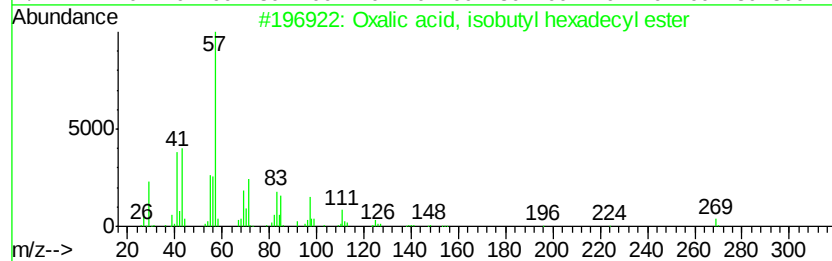
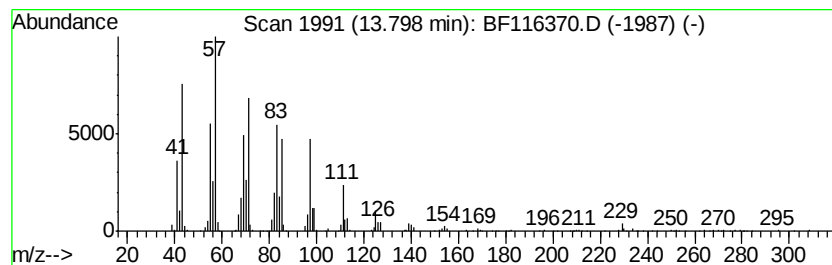
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Oxalic acid, isobutyl hexadecyl... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	18.57 ng	782989	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		Oxalic acid, isobutyl octadecyl ...	398	C24H46O4	1000309-38-3	87
3		Oxalic acid, isobutyl pentadecyl...	356	C21H40O4	1000309-38-0	87
4		Oxalic acid, isobutyl heptadecyl...	384	C23H44O4	1000309-38-2	87
5		Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	81



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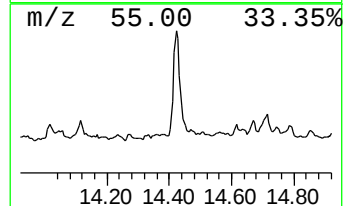
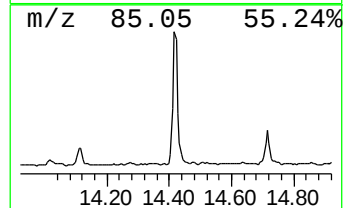
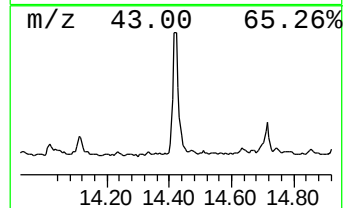
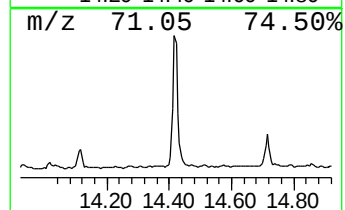
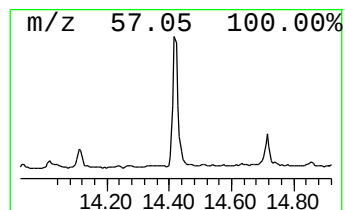
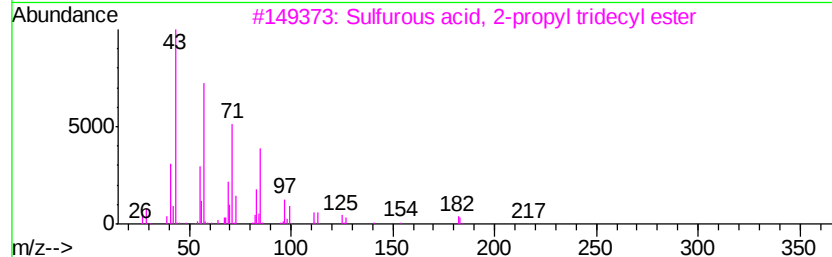
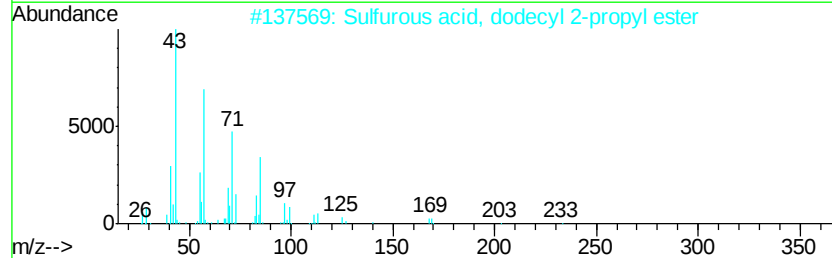
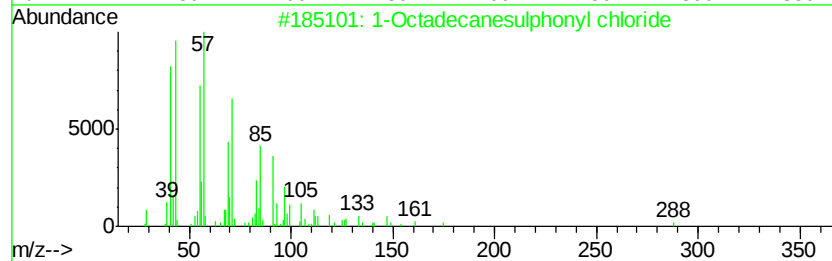
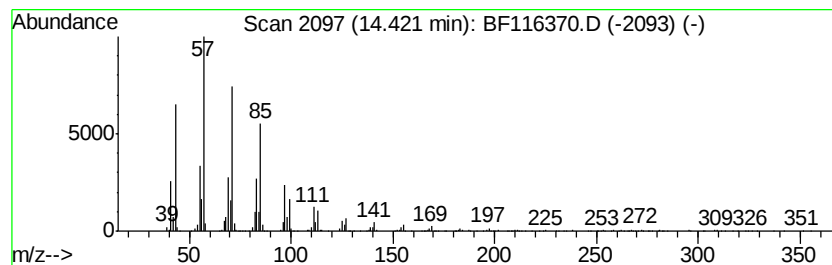
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 1-Octadecanesulphonyl chloride Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	26.23 ng	1105670	Chrysene-d12	13.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	91
2		Sulfurous acid, dodecyl 2-propyl...	292	C15H32O3S	1000309-12-3	91
3		Sulfurous acid, 2-propyl tridecyl...	306	C16H34O3S	1000309-12-4	91
4		Sulfurous acid, butyl heptadecyl...	376	C21H44O3S	1000309-18-4	87
5		Heptadecane	240	C17H36	000629-78-7	74



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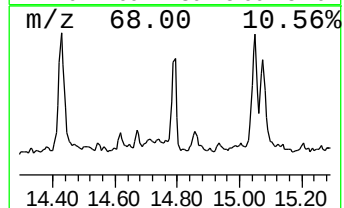
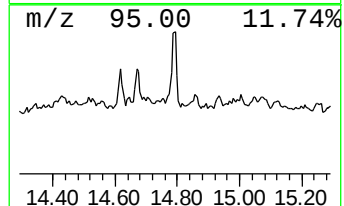
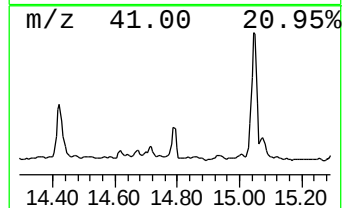
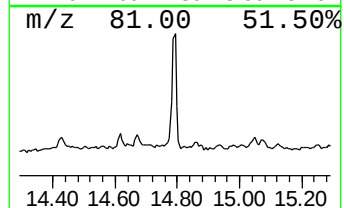
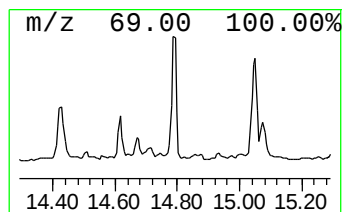
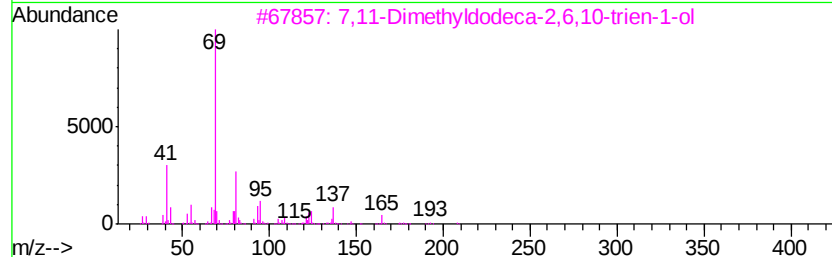
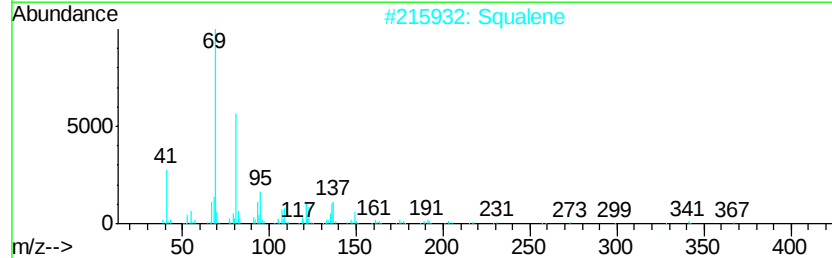
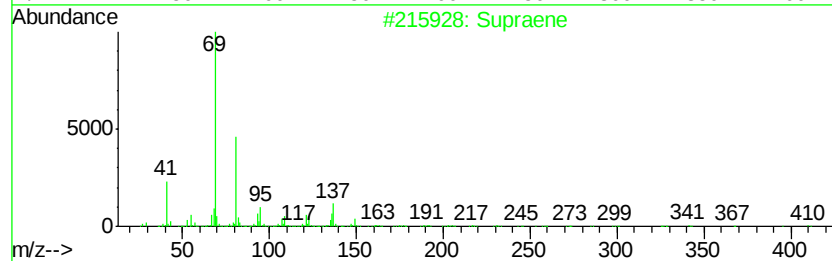
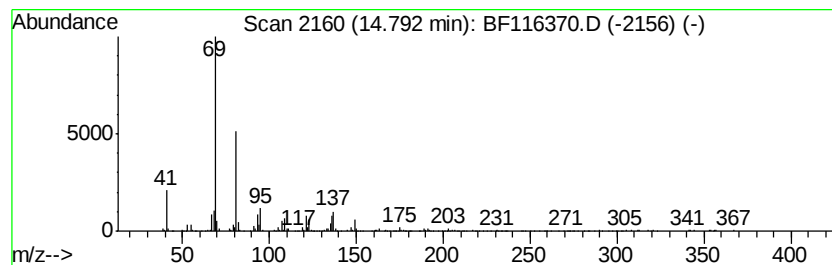
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Squalene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.79	8.49 ng	347844	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		2,6,10,14-Hexadecatetraenoic aci...	318	C21H34O2	042207-88-5	72
5		trans-Farnesol	222	C15H26O	000106-28-5	72



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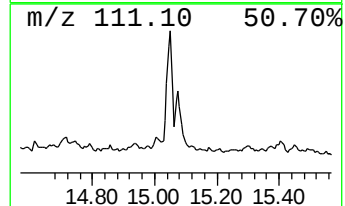
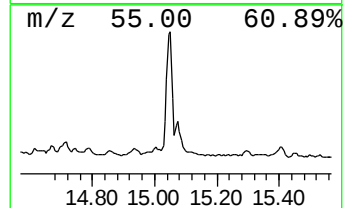
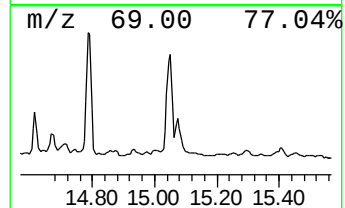
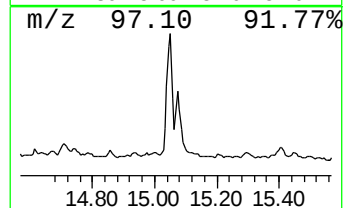
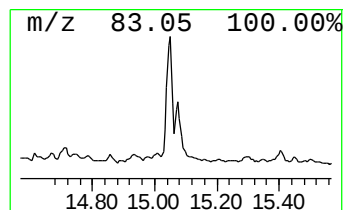
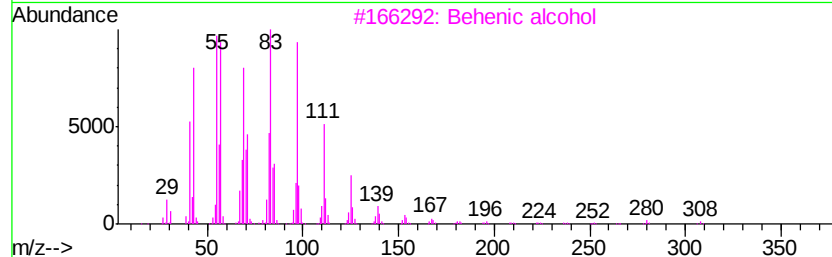
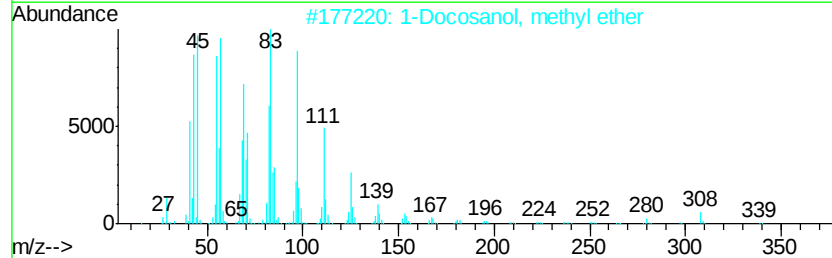
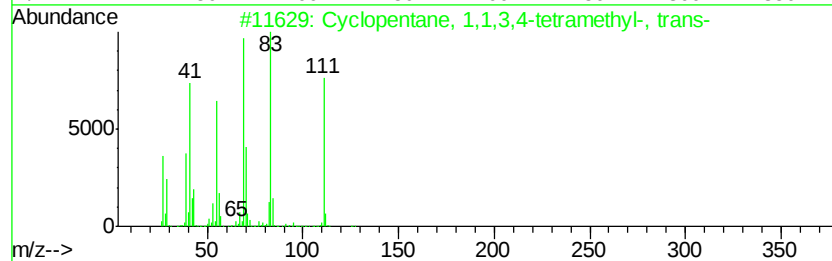
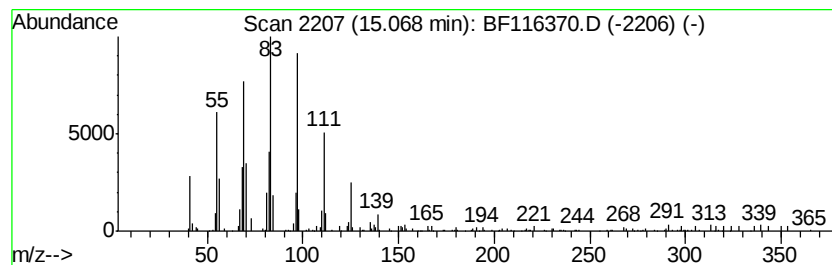
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 unknown15.07 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	9.46 ng	387785	Perylene-d12	15.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	020309-77-7	43
2		1-Docosanol, methyl ether	340	C23H48O	1000333-91-9	43
3		Behenic alcohol	326	C22H46O	000661-19-8	38
4		Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	27
5		Cyclohexane, (1,2-dimethylpropyl)-	154	C11H22	051284-29-8	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081719\
Data File : BF116370.D
Acq On : 17 Aug 2019 21:00
Operator : HP/JU
Sample : K4223-23
Misc :
ALS Vial : 24 Sample Multiplier: 1

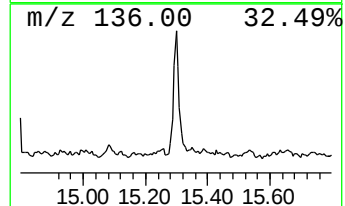
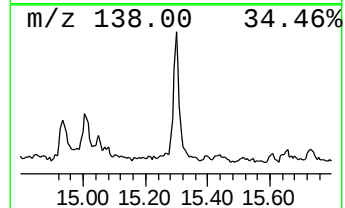
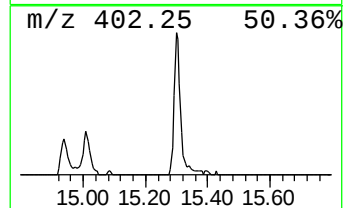
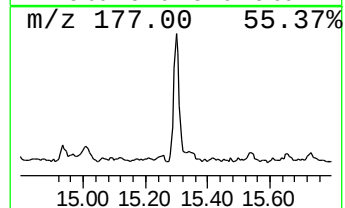
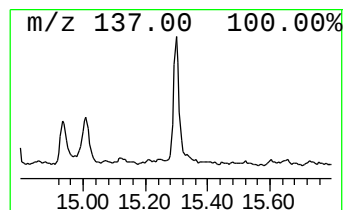
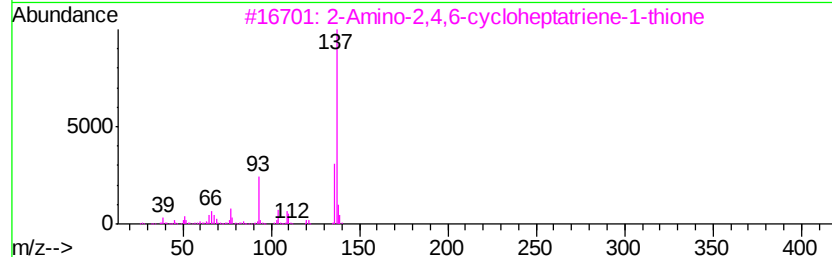
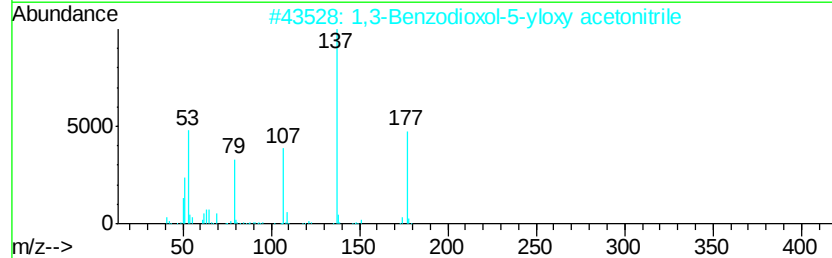
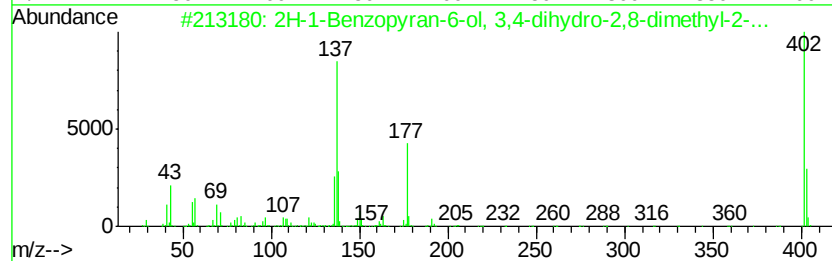
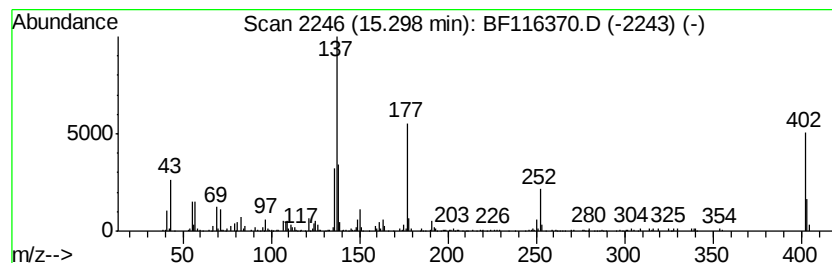
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 2H-1-Benzopyran-6-ol, 3,4-d... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.		
15.30	6.37 ng	260966	Perylene-d12	15.43		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-1-Benzopyran-6-ol, 3,4-dihydr...	402	C27H46O2	000119-13-1	99	
2	1,3-Benzodioxol-5-yloxy acetone...	177	C9H7NO3	072955-89-6	32	
3	2-Amino-2,4,6-cvcloheptatriene-1...	137	C7H7NS	003336-99-0	27	
4	6-Amino-2,4-dimethylphenol	137	C8H11NO	041458-65-5	25	
5	4-Dimethylaminopyridin-2-amine	137	C7H11N3	050426-31-8	25	



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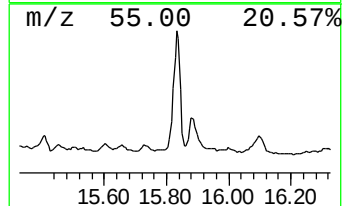
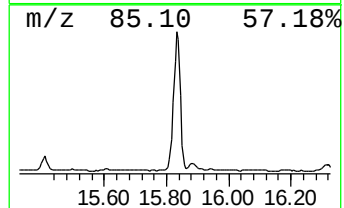
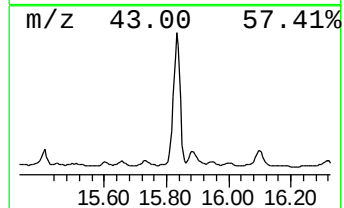
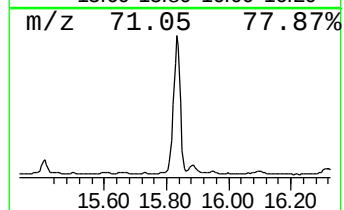
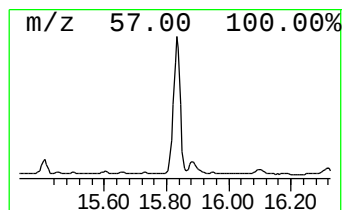
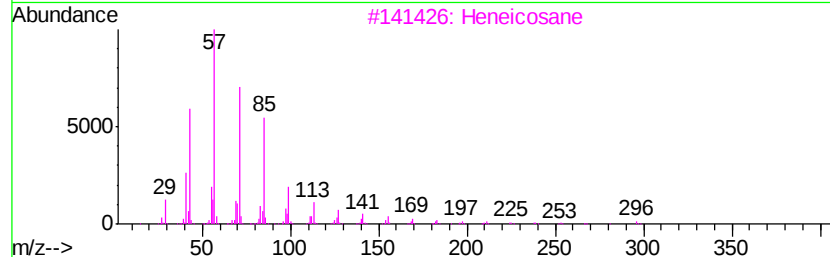
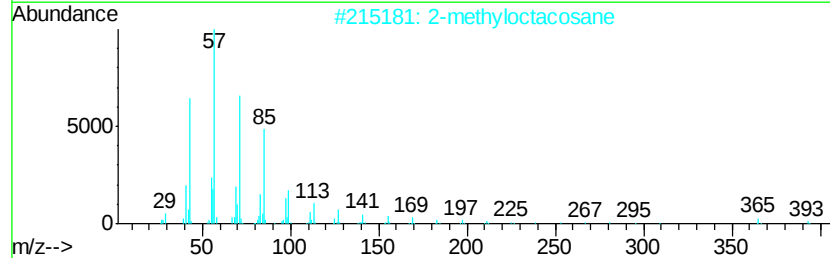
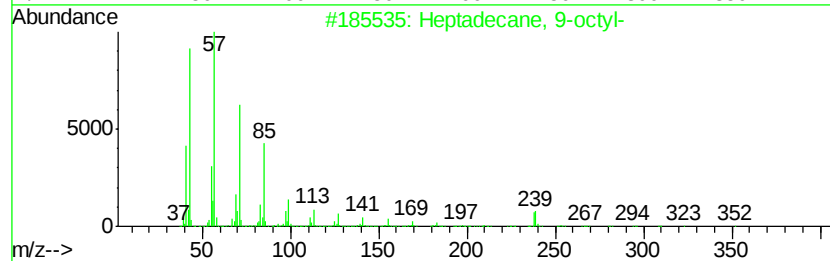
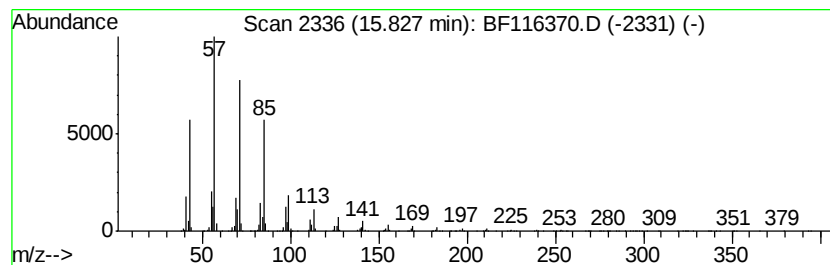
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Heptadecane, 9-octyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.83	61.55 ng	2522450	Perylene-d12	15.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	94
2		2-methyloctacosane	408	C29H60	1000376-72-8	91
3		Heneicosane	296	C21H44	000629-94-7	91
4		Hexacosane	366	C26H54	000630-01-3	91
5		2-Bromotetradecane	276	C14H29Br	074036-95-6	90



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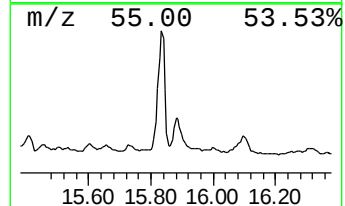
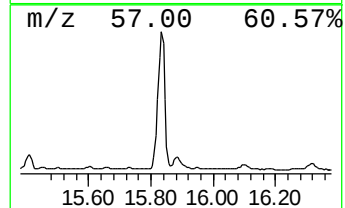
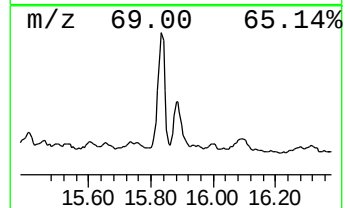
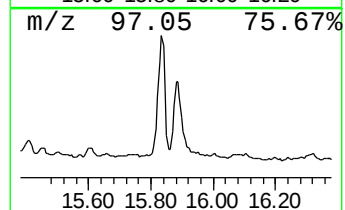
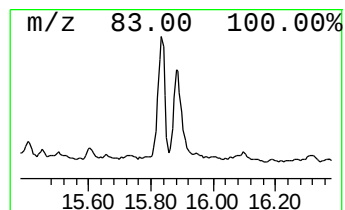
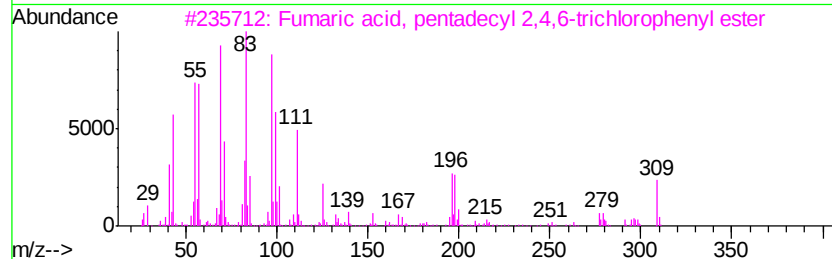
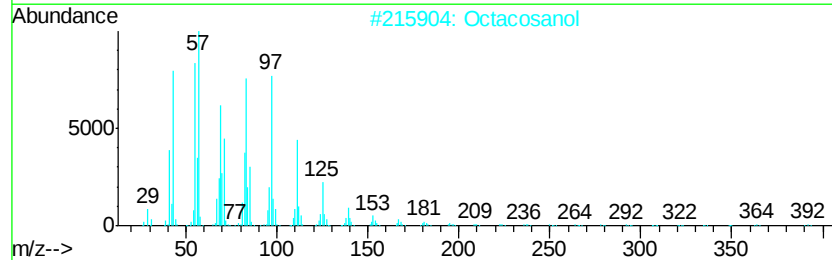
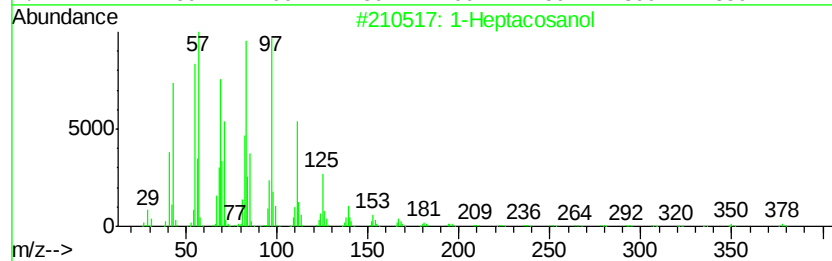
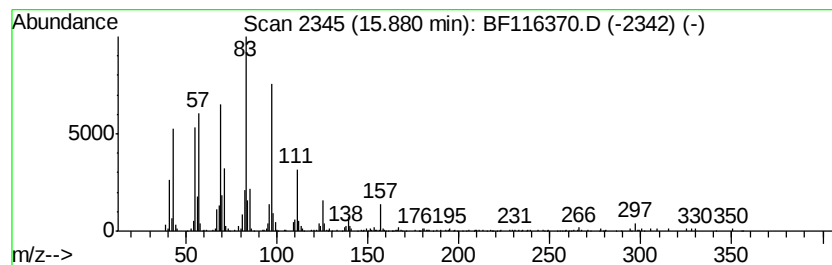
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Octacosanol Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	11.04 ng	452223	Perylene-d12	15.43

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1-Heptacosanol	396	C27H56O	002004-39-9	60
2			Octacosanol	410	C28H58O	000557-61-9	60
3			Fumaric acid, pentadecyl 2,4,6-t...	504	C25H35Cl3O4	1000348-27-8	58
4			Octacosyl acetate	452	C30H60O2	018206-97-8	55
5			Heptacosyl acetate	438	C29H58O2	1000351-78-2	53



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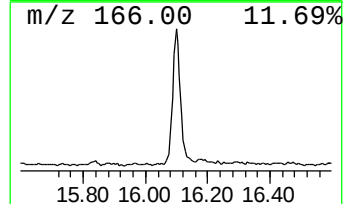
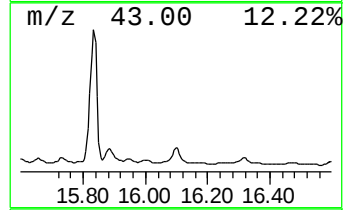
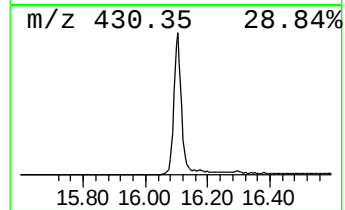
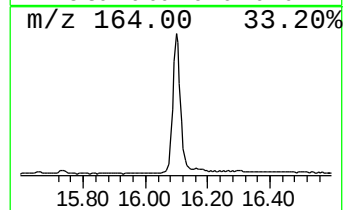
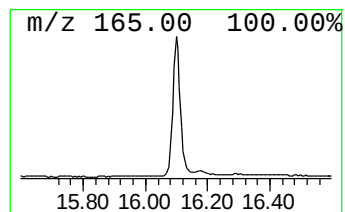
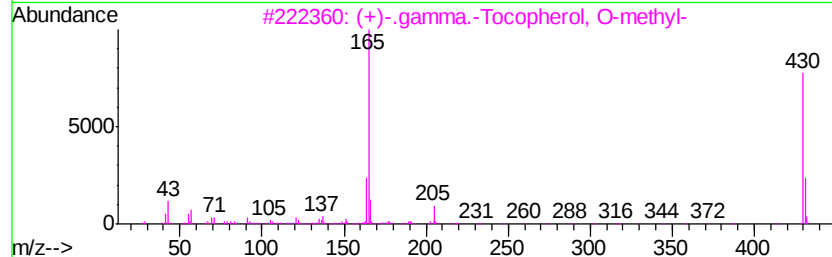
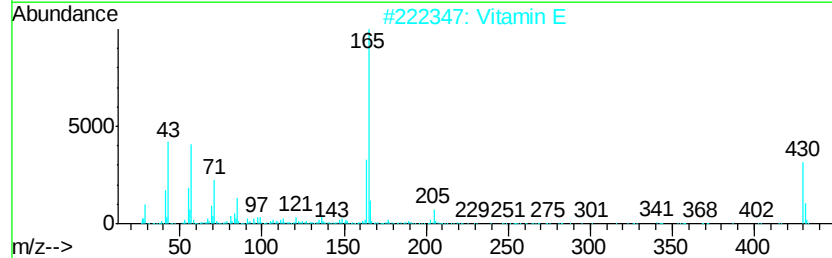
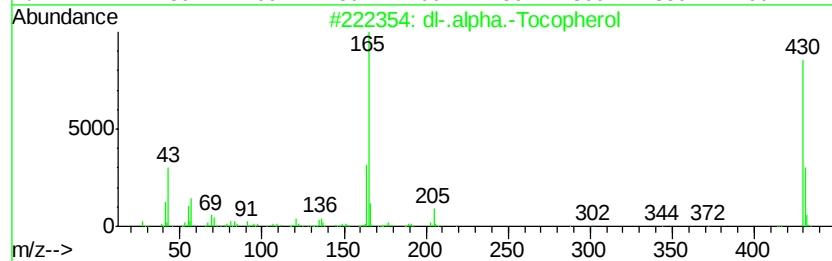
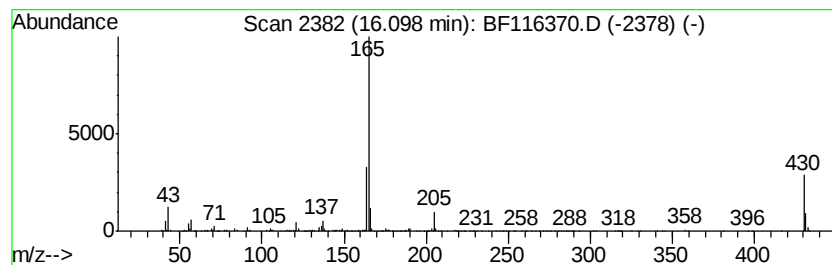
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Vitamin E Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.10	24.52 ng	1004690	Perylene-d12	15.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	dl-.alpha.-Tocopherol	430	C29H50O2	010191-41-0	94
2		Vitamin E	430	C29H50O2	000059-02-9	94
3		(+)-.gamma.-Tocopherol, 0-methyl-	430	C29H50O2	1000374-72-2	93
4		Piperazine, 1-(3,4-dimethoxybenz...	430	C26H26N2O4	333756-87-9	59
5		Furo[3,4-c]pyridine-3,4(1H,5H)-d...	165	C8H7NO3	007472-18-6	42



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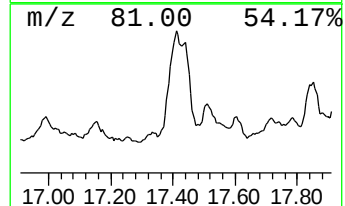
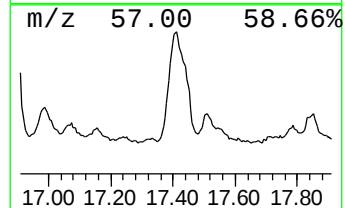
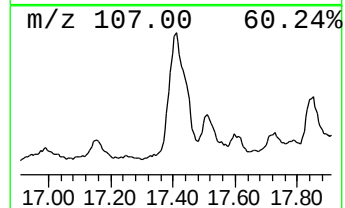
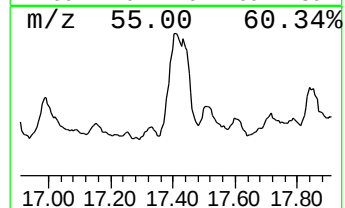
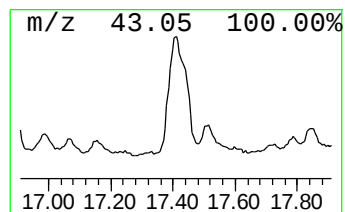
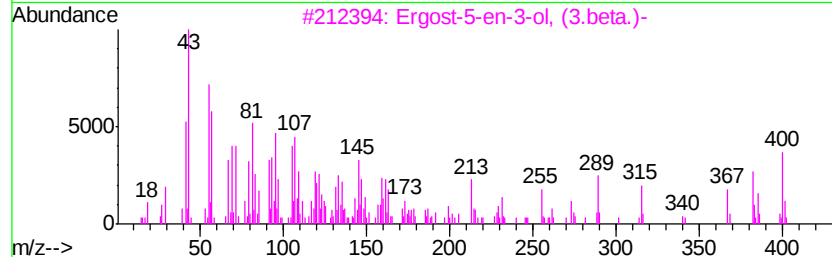
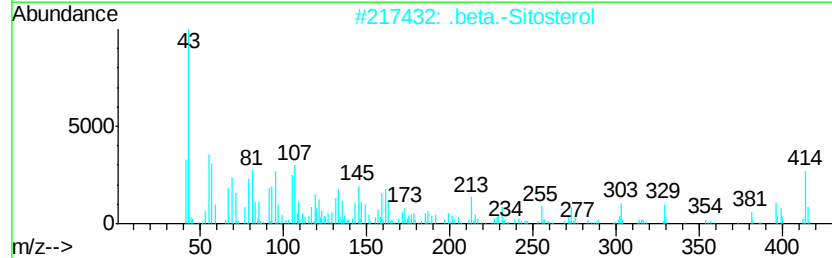
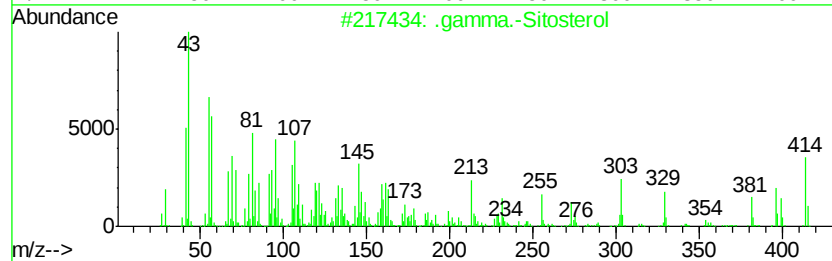
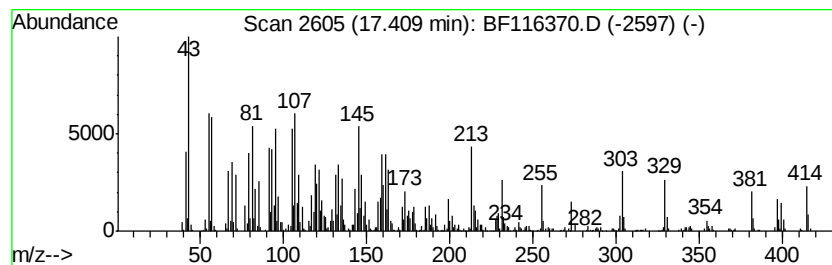
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 .gamma.-Sitosterol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.41	88.74 ng	3636660	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	83
3		Ergost-5-en-3-ol, (3.beta.)-	400	C28H48O	004651-51-8	43
4		Ergost-7-en-3-ol, (3.beta.)-	400	C28H48O	026047-31-4	37
5		Isocholesteryl methyl ether	400	C28H48O	029944-53-4	32



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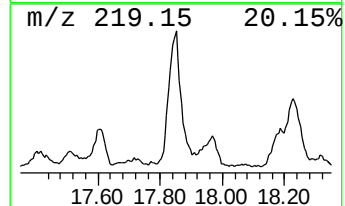
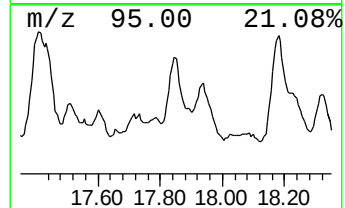
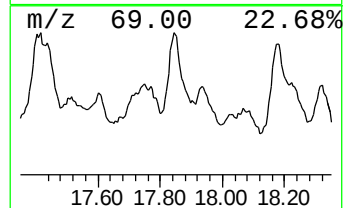
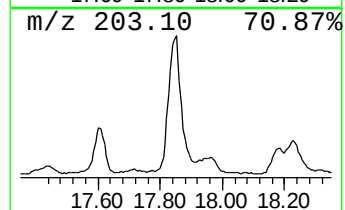
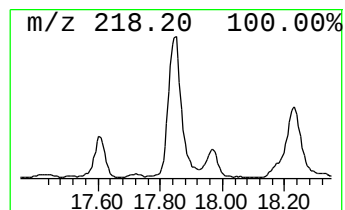
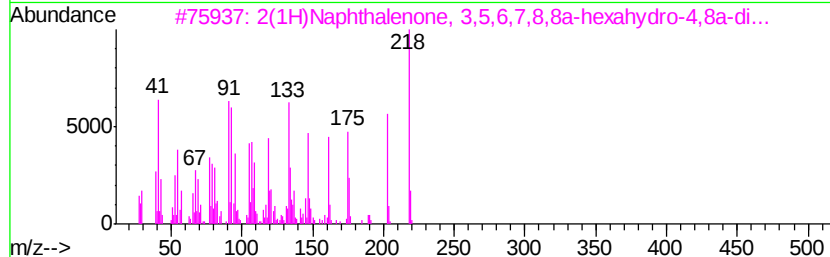
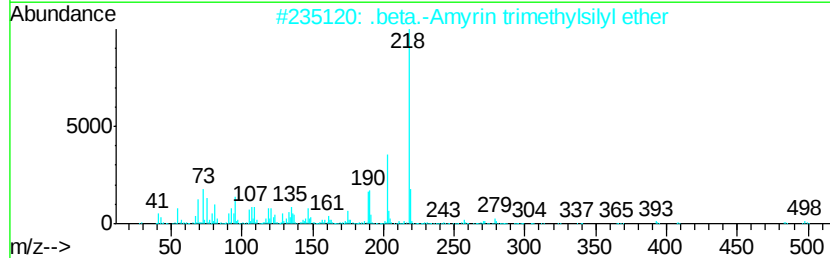
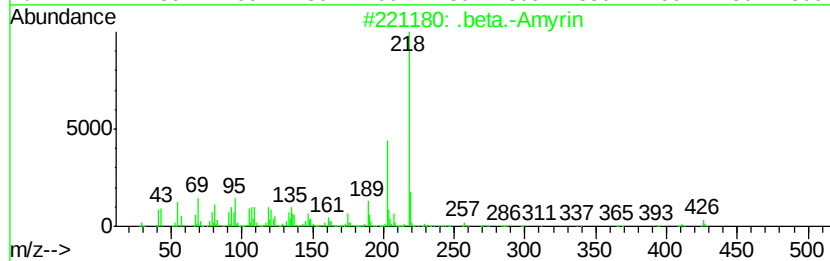
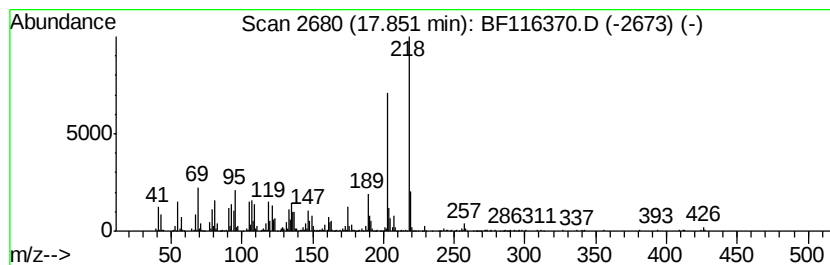
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 .beta.-Amyrin Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.85	32.54 ng	1333450	Perylene-d12	15.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	.beta.-Amyrin	426	C30H500	000559-70-6	91
2		.beta.-Amyrin trimethylsilyl ether	498	C33H58OSi	001721-67-1	80
3		2(1H)Naphthalenone, 3,5,6,7,8,8a...	218	C15H220	1000188-66-5	68
4		Olean-12-ene	410	C30H50	000471-68-1	59
5		3-Methoxy-6,7,8,9-tetrahydro-dib...	218	C13H1403	1000186-57-9	58



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ALS Vial : 24 Sample Multiplier: 1

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SP-12

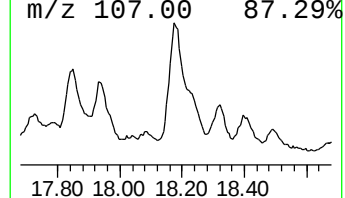
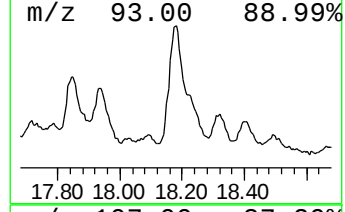
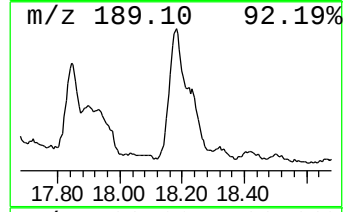
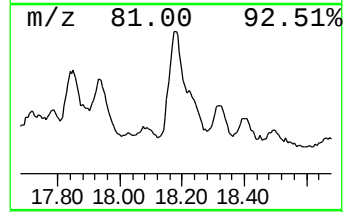
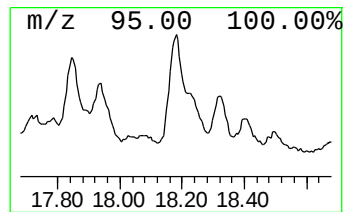
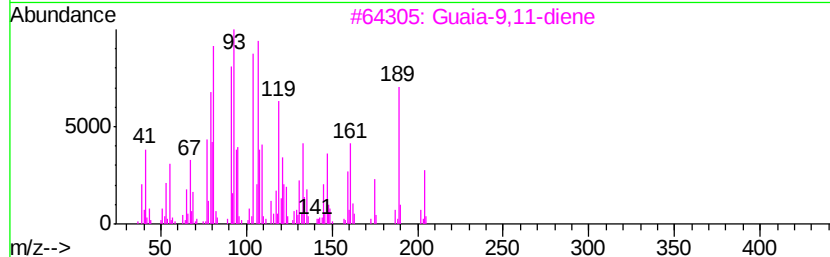
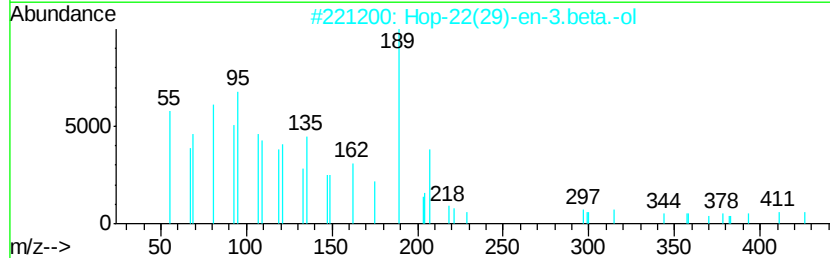
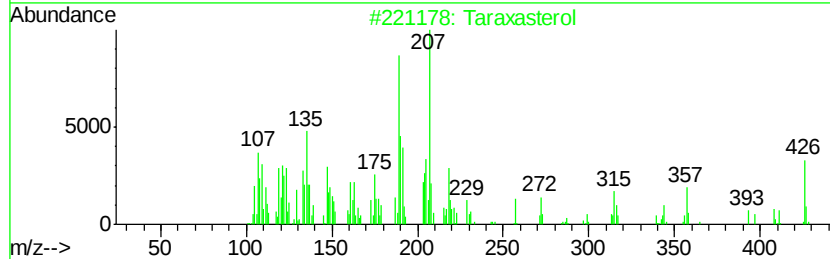
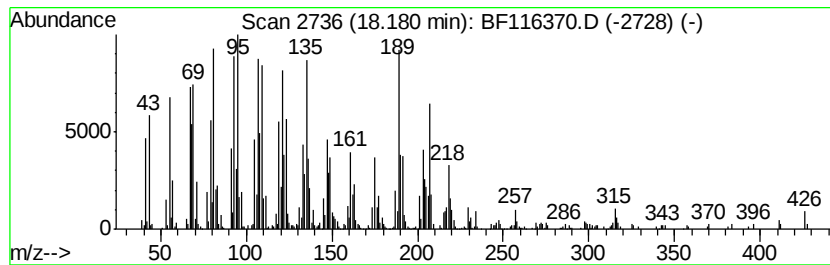
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Taraxasterol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	48.71 ng	1995940	Perylene-d12	15.43

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Taraxasterol	426	C30H50O	001059-14-9	94
2		Hop-22(29)-en-3.beta.-ol	426	C30H50O	058801-23-3	91
3		Guaia-9,11-diene	204	C15H24	1000374-19-8	49
4		(-)-Isolongifolol, methyl ether	236	C16H28O	1000333-80-8	46
5		Cyclohexane, 1-ethenyl-1-methyl-...	204	C15H24	003242-08-8	45



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081719\
Data File : BF116370.D
Acq On : 17 Aug 2019 21:00
Operator : HP/JU
Sample : K4223-23
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-12

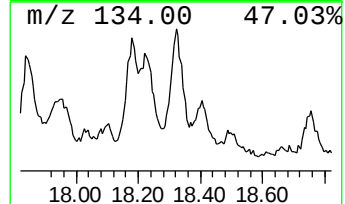
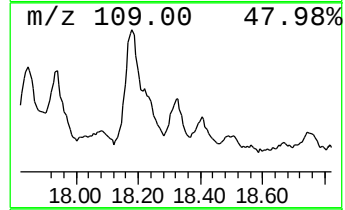
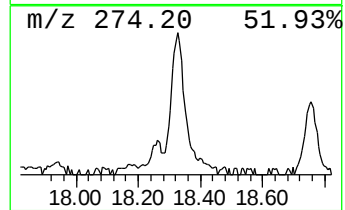
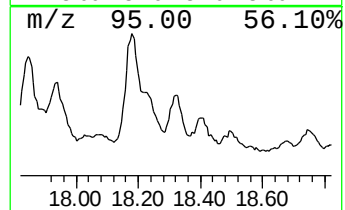
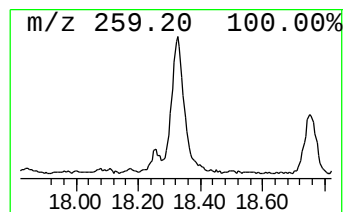
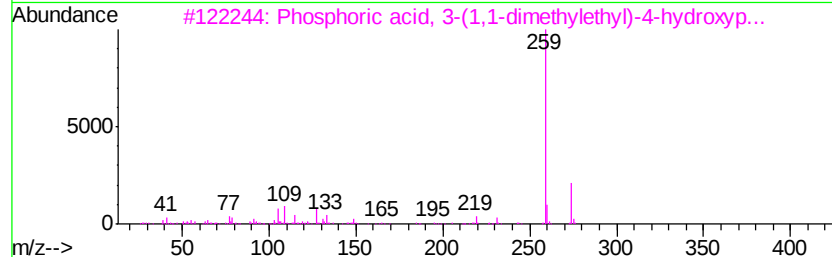
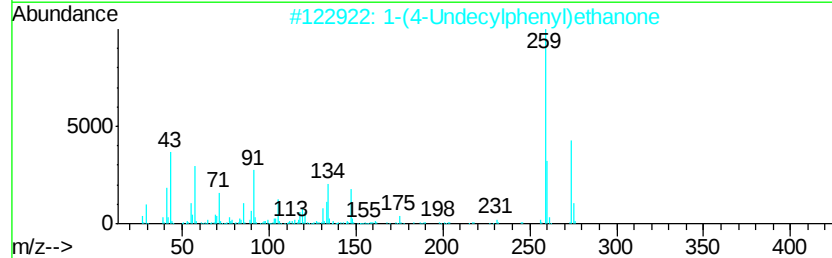
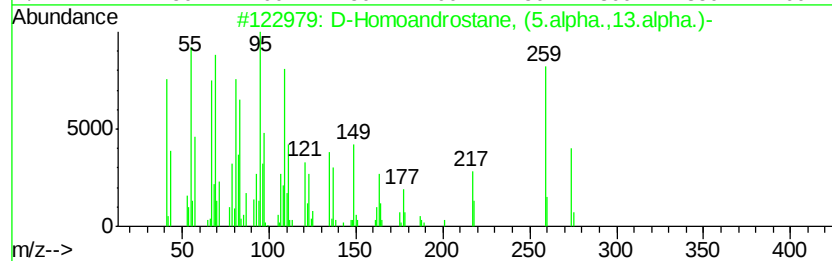
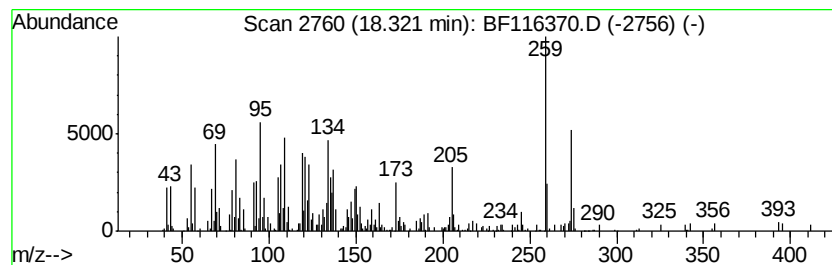
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 D-Homoandrostande, (5.alpha.... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	10.97 ng	449346	Perylene-d12	15.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	D-Homoandrostande, (5.alpha.,13.a...	274	C20H34	054482-31-4	52
2		1-(4-Undecylphenyl)ethanone	274	C19H30O	1000185-92-4	46
3		Phosphoric acid, 3-(1,1-dimethyl...	274	C12H19O5P	094420-61-8	43
4		10H-Phenoxaphosphine, 2-ethyl-10...	274	C15H15O3P	036360-91-5	38
5		Naphthalene, 2-methyl-1-(3,4-dim...	274	C20H18O	1000269-03-0	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081719\
Data File : BF116370.D
Acq On : 17 Aug 2019 21:00
Operator : HP/JU
Sample : K4223-23
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-12

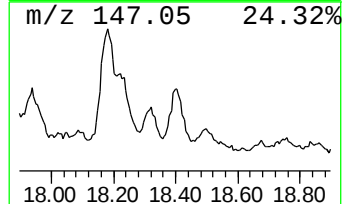
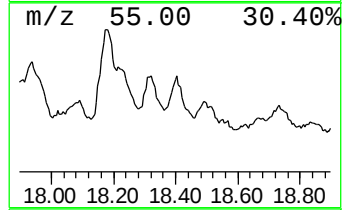
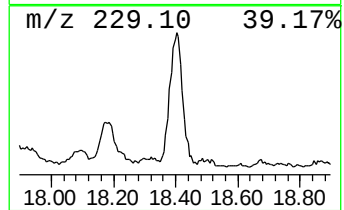
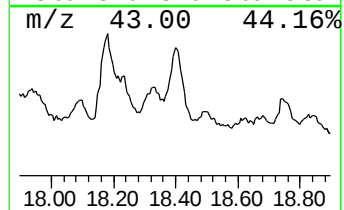
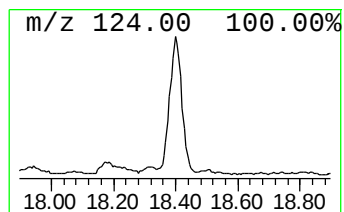
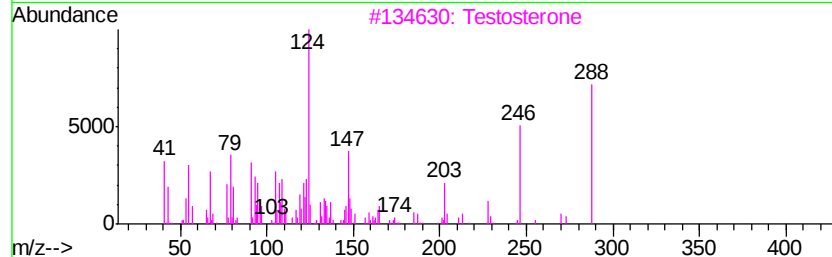
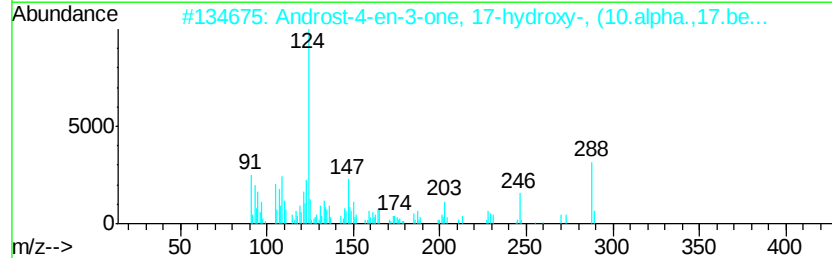
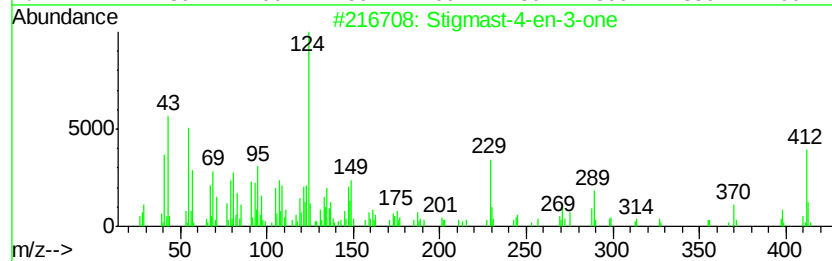
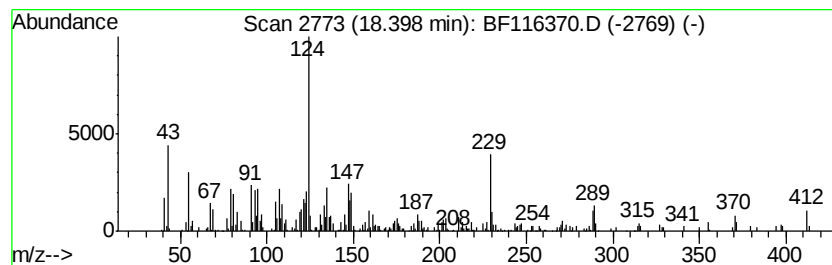
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Stigmast-4-en-3-one Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	16.53 ng	677452	Perylene-d12	15.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Stigmast-4-en-3-one	412	C29H48O	001058-61-3	98
2		Androst-4-en-3-one, 17-hydroxy-, ...	288	C19H28O2	000604-39-7	86
3		Testosterone	288	C19H28O2	000058-22-0	60
4		Androst-4-en-3-one, 17-hydroxy-, ...	288	C19H28O2	000481-30-1	47
5		Pregn-4-ene-3,20-dione, (9.beta....	314	C21H30O2	002755-10-4	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081719\
 Data File : BF116370.D
 Acq On : 17 Aug 2019 21:00
 Operator : HP/JU
 Sample : K4223-23
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-12

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	74.9	ng	3227820	1	6.81	861497	20.0
n-Hexadecanoic acid	11.86	37.7	ng	2131910	4	11.33	1130090	20.0
17-Norkaur-15-ene...	12.02	7.6	ng	427298	4	11.33	1130090	20.0
n-Heptadecanol-1	12.36	10.4	ng	586554	4	11.33	1130090	20.0
Phytol	12.46	9.4	ng	528943	4	11.33	1130090	20.0
Octadecanoic acid	12.64	10.2	ng	578357	4	11.33	1130090	20.0
Oxalic acid, isob...	13.80	18.6	ng	782989	5	13.97	843191	20.0
1-Octadecanesulph...	14.42	26.2	ng	1105670	5	13.97	843191	20.0
Squalene	14.79	8.5	ng	347844	6	15.43	819594	20.0
unknown15.07	15.07	9.5	ng	387785	6	15.43	819594	20.0
2H-1-Benzopyran-6...	15.30	6.4	ng	260966	6	15.43	819594	20.0
Heptadecane, 9-oc...	15.83	61.5	ng	2522450	6	15.43	819594	20.0
Octacosanol	15.88	11.0	ng	452223	6	15.43	819594	20.0
Vitamin E	16.10	24.5	ng	1004690	6	15.43	819594	20.0
.gamma.-Sitosterol	17.41	88.7	ng	3636660	6	15.43	819594	20.0
.beta.-Amyrin	17.85	32.5	ng	1333450	6	15.43	819594	20.0
Taraxasterol	18.18	48.7	ng	1995940	6	15.43	819594	20.0
D-Homoandrostande...	18.32	11.0	ng	449346	6	15.43	819594	20.0
Stigmast-4-en-3-one	18.40	16.5	ng	677452	6	15.43	819594	20.0