

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
 Data File : BF116406.D
 Acq On : 19 Aug 2019 23:44
 Operator : HP/JU
 Sample : K4223-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-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	5.434	565	569	596	rBV	1815381	2312498	49.70%	3.637%
2	6.451	738	742	755	rBV	2297536	2452512	52.71%	3.858%
3	6.581	760	764	772	rVB	2570517	2492305	53.57%	3.920%
4	6.804	799	802	812	rVB	702461	647573	13.92%	1.019%
5	6.957	825	828	838	rBV	2072734	1944323	41.79%	3.058%
6	7.369	895	898	918	rVB	1692230	1641984	35.29%	2.583%
7	8.081	1016	1019	1028	rBV	903265	900903	19.36%	1.417%
8	8.998	1172	1175	1185	rVB	55042	95766	2.06%	0.151%
9	9.151	1198	1201	1205	rBV	2913898	2688796	57.79%	4.229%
10	9.463	1251	1254	1256	rBV	89747	82774	1.78%	0.130%
11	9.486	1256	1258	1263	rVV	219867	179351	3.85%	0.282%
12	9.551	1263	1269	1272	rVV	603613	553672	11.90%	0.871%
13	9.586	1272	1275	1280	rVB2	92120	94838	2.04%	0.149%
14	9.675	1286	1290	1293	rBV	88248	89155	1.92%	0.140%
15	9.739	1298	1301	1304	rVV3	74262	71121	1.53%	0.112%
16	9.833	1314	1317	1320	rVV	1279406	1111327	23.89%	1.748%
17	9.857	1320	1321	1325	rVV3	140543	92656	1.99%	0.146%
18	9.904	1327	1329	1332	rVB	79820	58415	1.26%	0.092%
19	9.951	1333	1337	1340	rBV	314250	284504	6.11%	0.448%
20	9.986	1340	1343	1346	rVB	74990	74525	1.60%	0.117%
21	10.057	1349	1355	1358	rBV6	52639	103496	2.22%	0.163%
22	10.122	1363	1366	1369	rVB	114262	114664	2.46%	0.180%
23	10.498	1428	1430	1433	rVB2	128126	101335	2.18%	0.159%
24	10.557	1433	1440	1442	rBV5	107659	158382	3.40%	0.249%
25	10.598	1442	1447	1449	rVV2	252821	294301	6.33%	0.463%
26	10.627	1449	1452	1455	rVV	2072789	1959630	42.12%	3.082%
27	10.651	1455	1456	1459	rVV	184021	140555	3.02%	0.221%
28	10.686	1459	1462	1466	rVB	81199	97395	2.09%	0.153%
29	10.739	1467	1471	1477	rBV3	86341	105184	2.26%	0.165%
30	10.822	1482	1485	1489	rBV4	35295	57044	1.23%	0.090%
31	10.927	1500	1503	1510	rVB	99646	99984	2.15%	0.157%
32	10.992	1510	1514	1518	rBV3	129726	216128	4.65%	0.340%
33	11.033	1519	1521	1524	rVB	75945	66760	1.43%	0.105%
34	11.322	1564	1570	1572	rBV	1288975	1252298	26.92%	1.970%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.363	1575	1577	1580	rVB	241637	207102	4.45%	0.326%
36	11.451	1585	1592	1595	rVB4	164035	243271	5.23%	0.383%
37	11.698	1631	1634	1638	rVB2	100363	112783	2.42%	0.177%
38	11.798	1645	1651	1655	rBV2	190901	309742	6.66%	0.487%
39	11.857	1655	1661	1672	rBV	1943735	2374536	51.04%	3.735%
40	12.004	1683	1686	1690	rBV2	339692	308381	6.63%	0.485%
41	12.098	1699	1702	1704	rBV3	68645	73866	1.59%	0.116%
42	12.133	1707	1708	1712	rVB2	98413	76745	1.65%	0.121%
43	12.192	1716	1718	1722	rVB2	89406	82107	1.76%	0.129%
44	12.251	1725	1728	1731	rVB3	108071	119725	2.57%	0.188%
45	12.380	1747	1750	1752	rBV2	105388	115462	2.48%	0.182%
46	12.404	1752	1754	1757	rVB2	164989	137780	2.96%	0.217%
47	12.451	1759	1762	1768	rBV	584349	705595	15.17%	1.110%
48	12.563	1773	1781	1790	rBV3	1621007	3534104	75.96%	5.559%
49	12.633	1790	1793	1800	rVB	625001	722788	15.53%	1.137%
50	12.721	1805	1808	1811	rVV	221597	226473	4.87%	0.356%
51	12.769	1813	1816	1819	rVV	254785	289546	6.22%	0.455%
52	12.810	1821	1823	1828	rVB3	86841	95555	2.05%	0.150%
53	12.898	1834	1838	1842	rBV	2868673	2641251	56.77%	4.155%
54	13.069	1864	1867	1869	rBV3	71486	88124	1.89%	0.139%
55	13.098	1870	1872	1874	rVV2	93783	96699	2.08%	0.152%
56	13.121	1874	1876	1881	rVB3	99404	101649	2.18%	0.160%
57	13.163	1881	1883	1886	rBV3	58829	76481	1.64%	0.120%
58	13.286	1901	1904	1907	rBV3	179769	231039	4.97%	0.363%
59	13.327	1907	1911	1916	rVV2	551652	915769	19.68%	1.440%
60	13.368	1916	1918	1920	rVV	289319	272237	5.85%	0.428%
61	13.416	1924	1926	1930	rVB2	183595	160931	3.46%	0.253%
62	13.510	1939	1942	1945	rBV	217889	214300	4.61%	0.337%
63	13.545	1945	1948	1950	rVB2	78103	71704	1.54%	0.113%
64	13.639	1961	1964	1966	rBV2	114902	128167	2.75%	0.202%
65	13.663	1966	1968	1972	rVV5	120505	144456	3.10%	0.227%
66	13.704	1972	1975	1977	rVV2	163715	179103	3.85%	0.282%
67	13.751	1981	1983	1986	rVV	131838	148814	3.20%	0.234%
68	13.786	1986	1989	1995	rVB	742008	787333	16.92%	1.238%
69	13.874	2001	2004	2008	rBV	154148	167870	3.61%	0.264%
70	13.963	2016	2019	2023	rBV	846635	849392	18.26%	1.336%
71	14.104	2040	2043	2046	rVB2	170987	133405	2.87%	0.210%

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72	14.410	2091	2095	2103	rBV2	979567	1361446	29.26%	2.141%
73	14.604	2126	2128	2130	rBV	114383	105172	2.26%	0.165%
74	14.663	2135	2138	2141	rVV	131412	127504	2.74%	0.201%
75	14.704	2142	2145	2148	rVB	369319	360051	7.74%	0.566%
76	14.780	2154	2158	2163	rVB	396534	402121	8.64%	0.633%
77	14.921	2179	2182	2187	rBV4	129199	200680	4.31%	0.316%
78	14.998	2192	2195	2197	rVV4	165097	244962	5.26%	0.385%
79	15.033	2197	2201	2204	rVV	2338603	2806268	60.31%	4.414%
80	15.063	2204	2206	2212	rVB	311557	356271	7.66%	0.560%
81	15.286	2241	2244	2251	rVB2	127534	185674	3.99%	0.292%
82	15.392	2259	2262	2264	rBV	252056	296410	6.37%	0.466%
83	15.421	2264	2267	2275	rVB	608394	838549	18.02%	1.319%
84	15.639	2302	2304	2311	rVB2	94816	133812	2.88%	0.210%
85	15.715	2315	2317	2325	rVB2	106803	169502	3.64%	0.267%
86	15.815	2328	2334	2339	rVV	1619633	2414189	51.89%	3.797%
87	15.868	2339	2343	2351	rVB	295637	489763	10.53%	0.770%
88	15.986	2360	2363	2369	rVB6	88019	121078	2.60%	0.190%
89	16.086	2375	2380	2391	rVB2	400952	775798	16.67%	1.220%
90	16.298	2412	2416	2422	rVB	121444	200260	4.30%	0.315%
91	16.974	2526	2531	2541	rVB4	149016	368861	7.93%	0.580%
92	17.133	2554	2558	2565	rBV5	123288	240872	5.18%	0.379%
93	17.304	2582	2587	2592	rBV	180022	355865	7.65%	0.560%
94	17.392	2593	2602	2613	rVV5	1222942	4652757	100.00%	7.318%
95	17.486	2614	2618	2629	rVB3	257815	798114	17.15%	1.255%
96	17.821	2669	2675	2685	rBV	566340	1515842	32.58%	2.384%
97	18.162	2724	2733	2737	rBV	736873	2101646	45.17%	3.306%
98	18.292	2750	2755	2763	rVV5	218738	574014	12.34%	0.903%
99	18.374	2764	2769	2779	rVB4	273310	708661	15.23%	1.115%
100	18.709	2820	2826	2838	rVB5	293953	889075	19.11%	1.398%

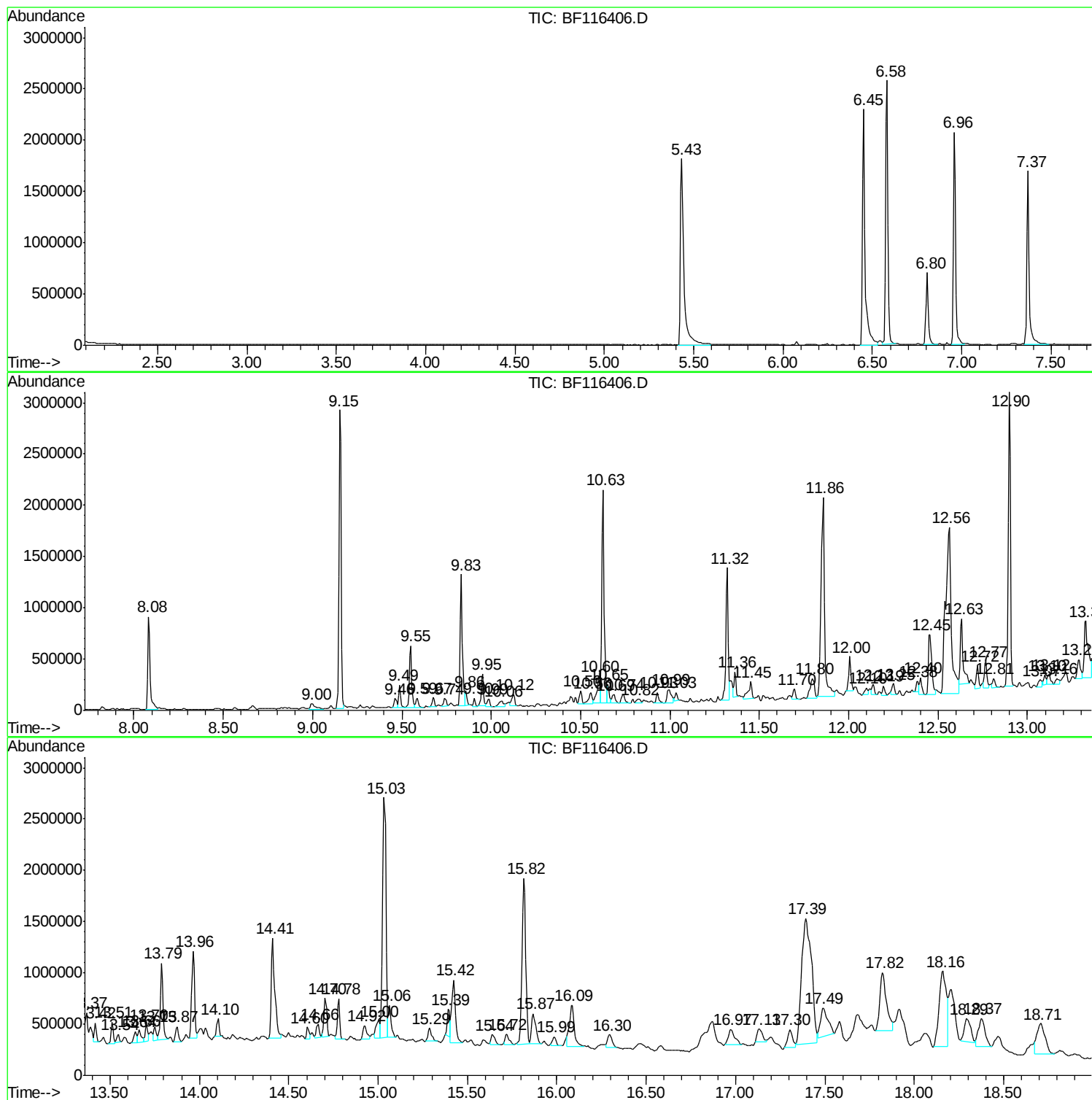
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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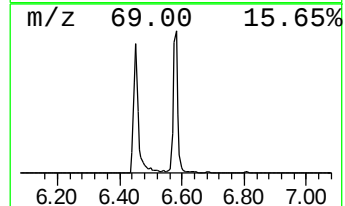
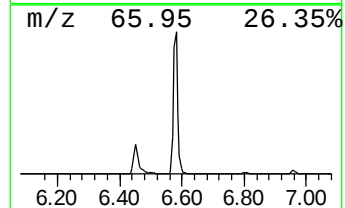
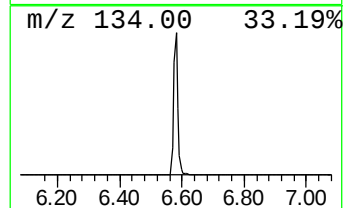
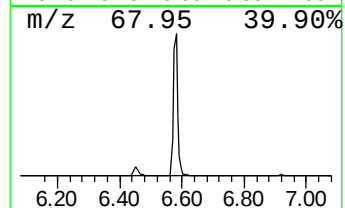
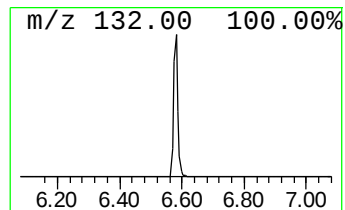
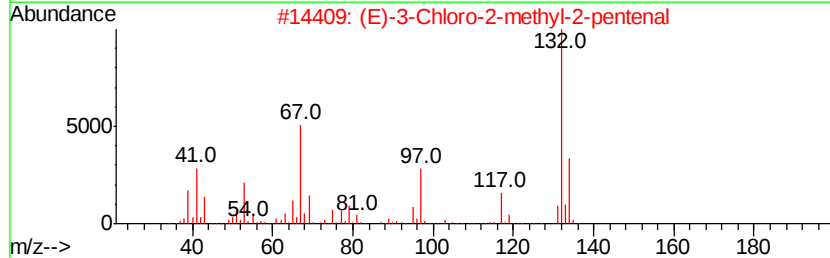
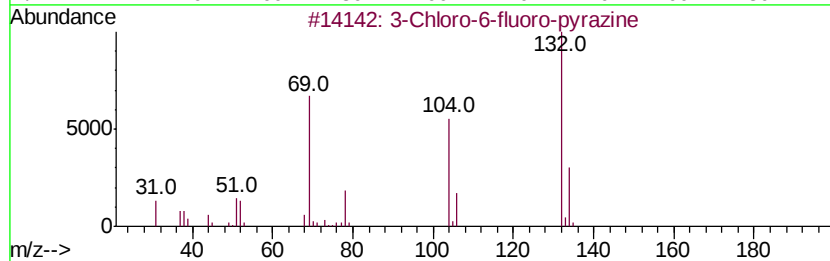
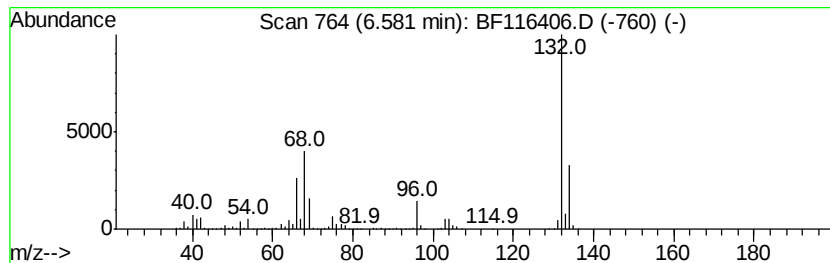
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 1 unknown6.58 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	76.97 ng	2492310	1,4-Dichlorobenzene-d4	6.80

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	16
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	12
4		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5		1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9



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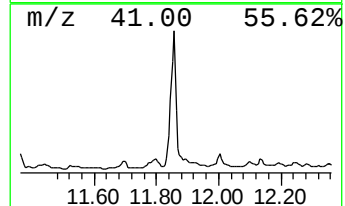
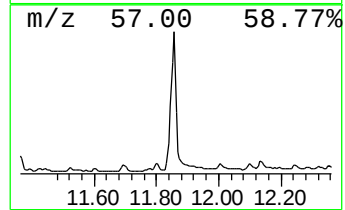
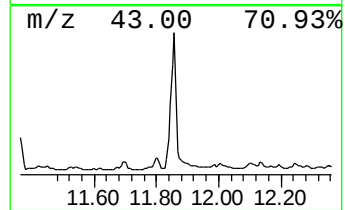
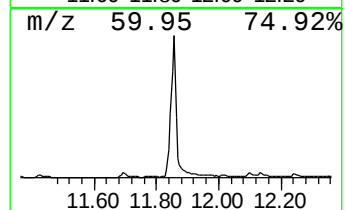
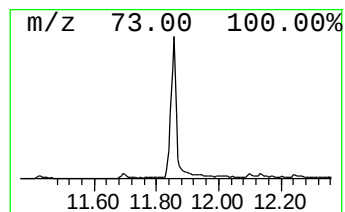
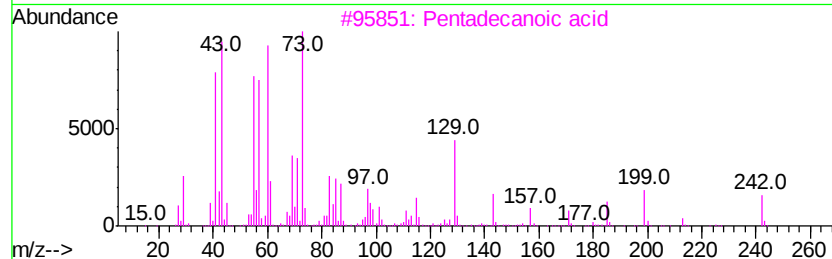
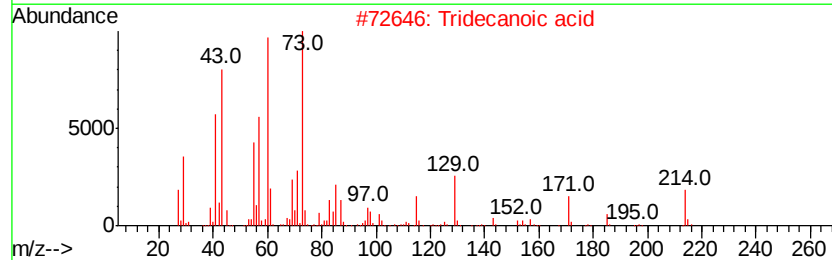
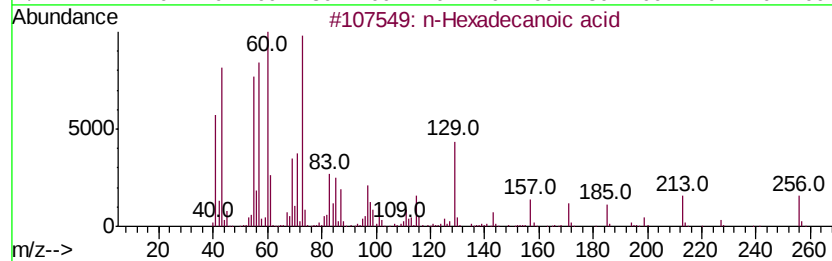
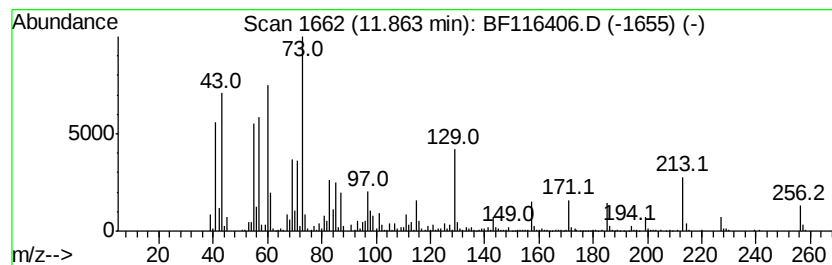
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	37.92 ng	2374540	Phenanthrene-d10	11.32

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	91
3		Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4		Tetradecanoic acid	228	C14H28O2	000544-63-8	87
5		Estra-1,3,5(10)-trien-17.beta.-ol	256	C18H24O	002529-64-8	25



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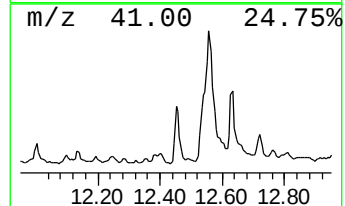
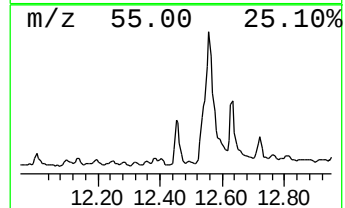
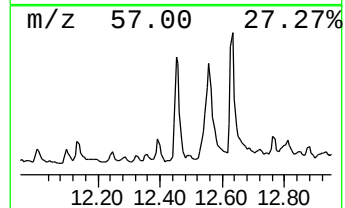
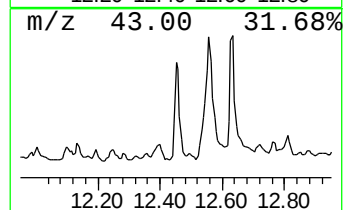
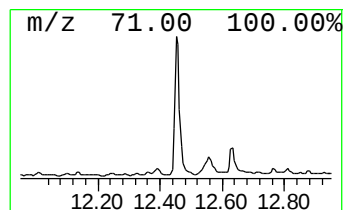
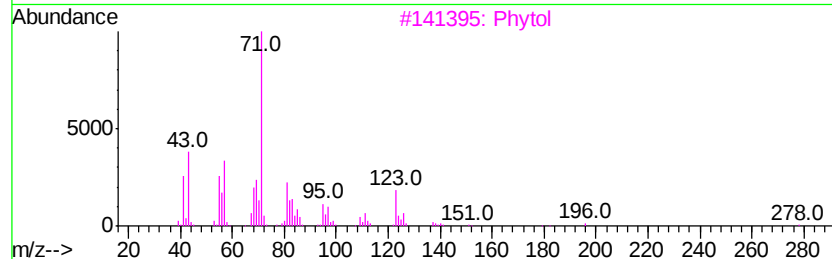
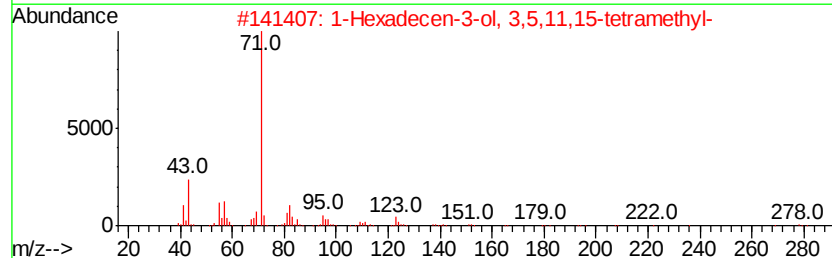
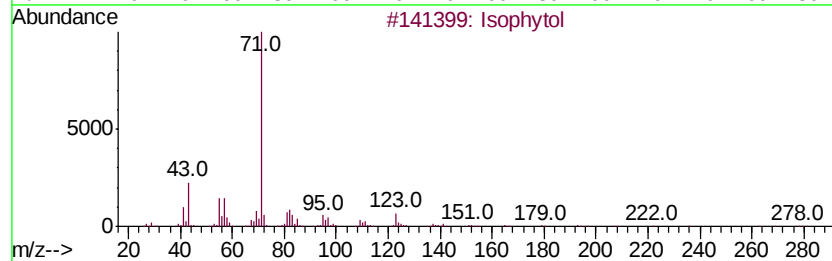
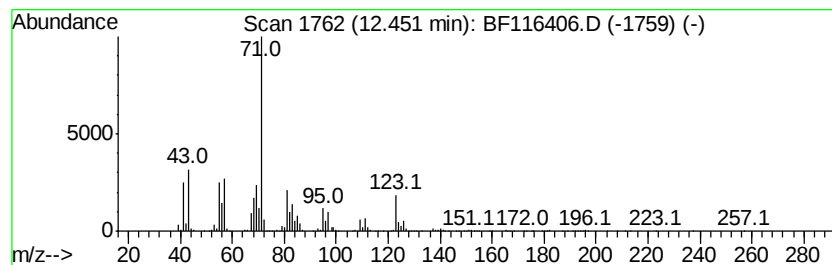
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Peak Number 4 Isophytol Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.45	11.27 ng	705595	Phenanthrene-d10	11.32	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isophytol	296	C20H40O	000505-32-8	78
2	1-Hexadecen-3-ol, 3,5,11,15-tetr...	296	C20H40O	1000262-55-5	72
3	Phytol	296	C20H40O	000150-86-7	70
4	Butyric acid, 2-pentadecyl ester	298	C19H38O2	107853-73-6	59
5	Butyric acid, 3-pentadecyl ester	298	C19H38O2	1000280-57-3	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
Data File : BF116406.D
Acq On : 19 Aug 2019 23:44
Operator : HP/JU
Sample : K4223-01
Misc :
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ClientSampleId :
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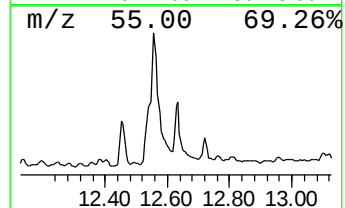
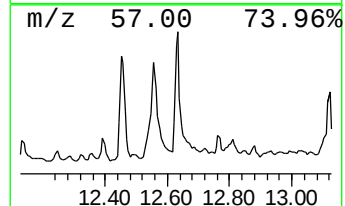
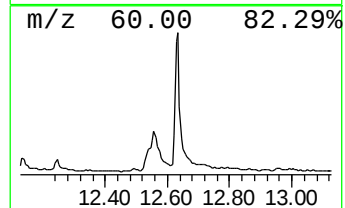
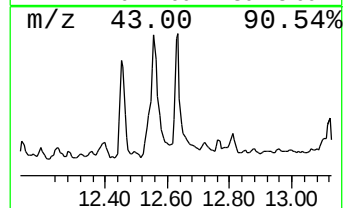
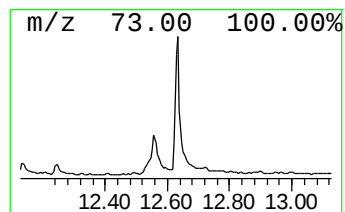
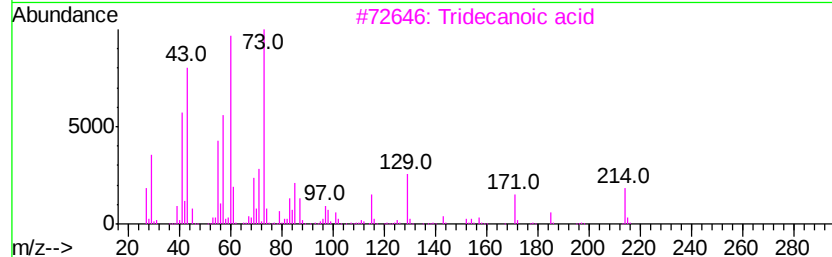
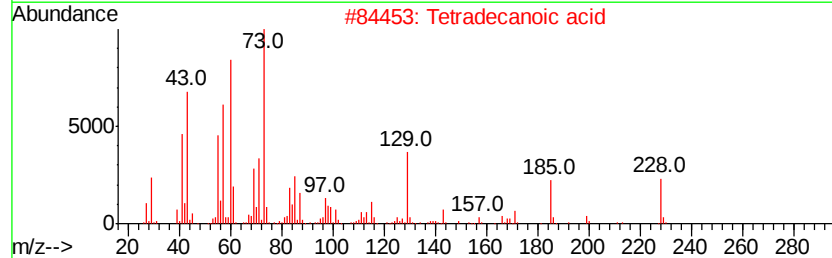
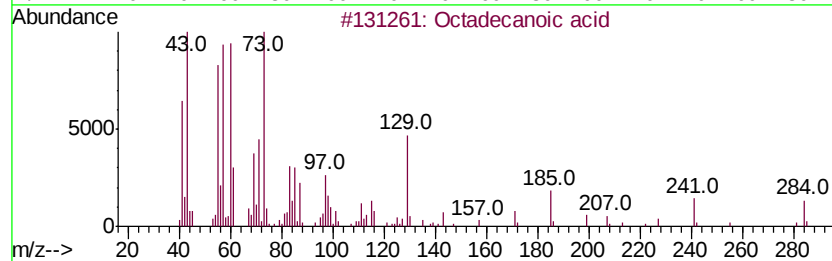
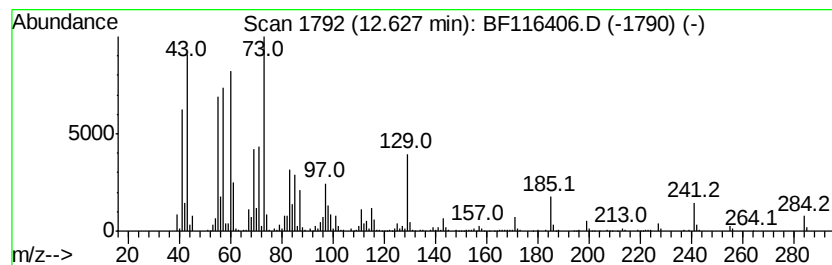
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Octadecanoic acid Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	11.54 ng	722788	Phenanthrene-d10	11.32

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octadecanoic acid	284	C18H36O2	000057-11-4	99
2		Tetradecanoic acid	228	C14H28O2	000544-63-8	87
3		Tridecanoic acid	214	C13H26O2	000638-53-9	76
4		n-Decanoic acid	172	C10H20O2	000334-48-5	62
5		Pentadecanoic acid	242	C15H30O2	001002-84-2	58



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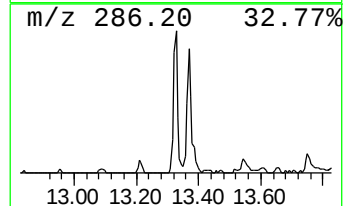
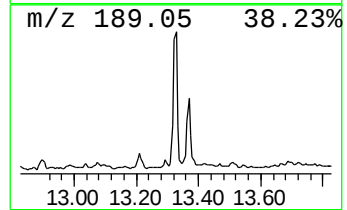
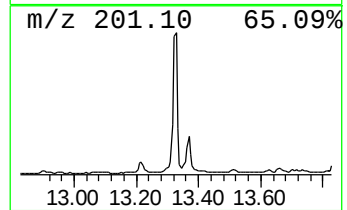
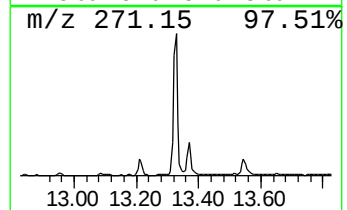
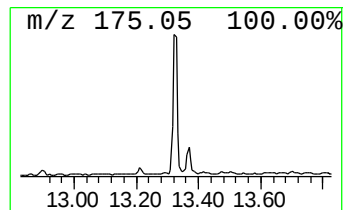
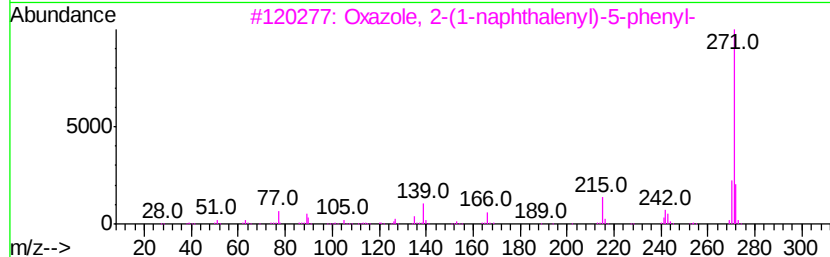
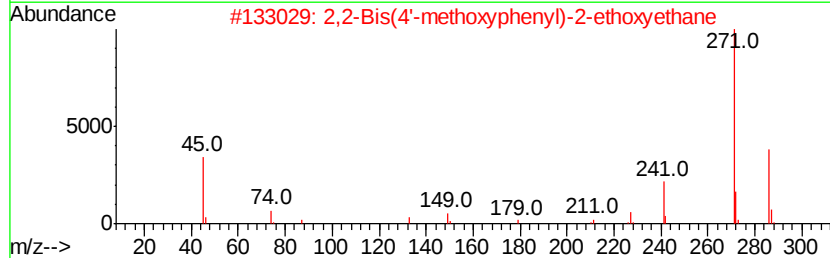
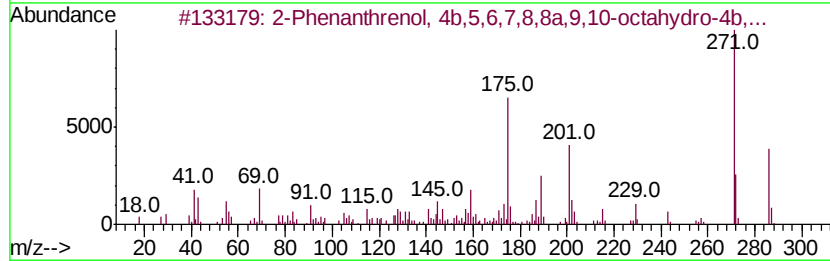
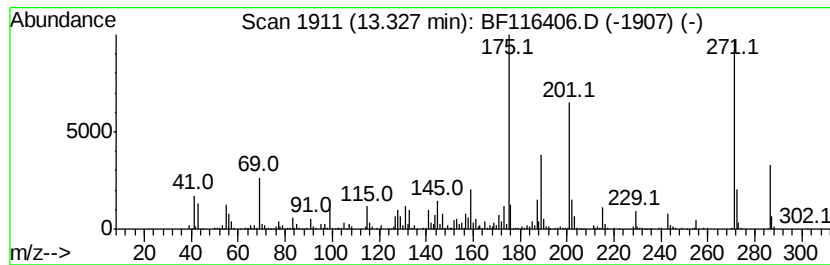
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 2-Phenanthrenol, 4b,5,6,7,8... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.33	21.56 ng	915769	Chrysene-d12	13.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Phenanthrenol, 4b,5,6,7,8,8a,9...	286	C20H30O	000511-15-9	92
2		2,2-Bis(4'-methoxyphenyl)-2-etho...	286	C18H22O3	1000283-53-7	25
3		Oxazole, 2-(1-naphthalenyl)-5-ph...	271	C19H13NO	000846-63-9	18
4		Dihydronormorphinone	271	C16H17NO3	014696-23-2	14
5		[1,2,4]Triazolo[1,5-a]pyrimidin-...	271	C13H13N5O2	1000351-09-3	14



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
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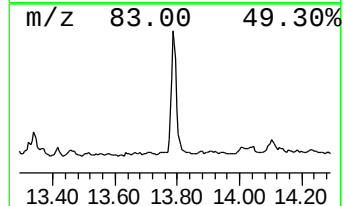
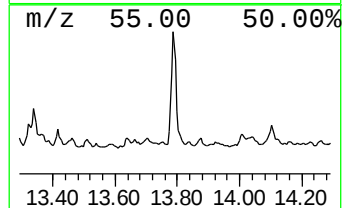
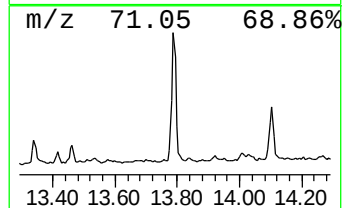
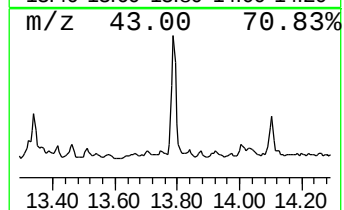
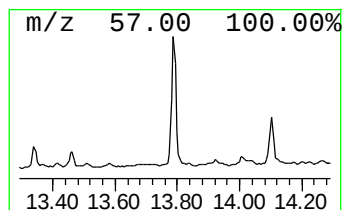
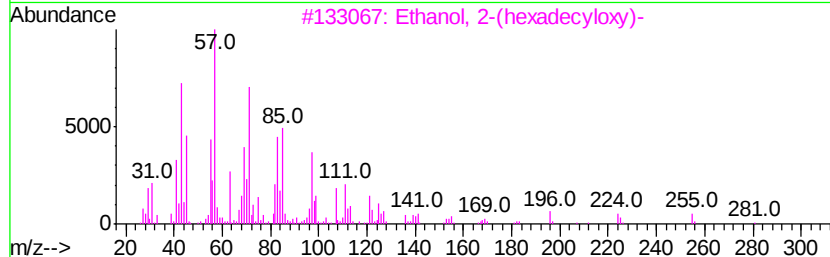
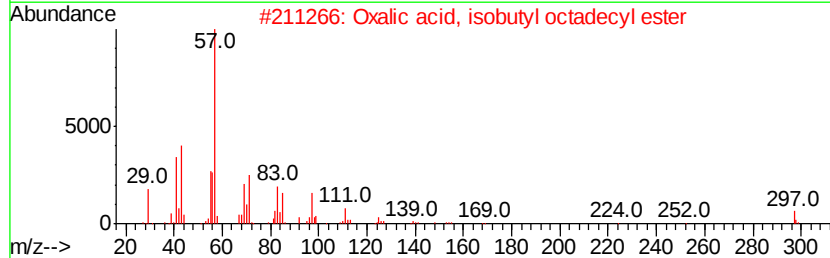
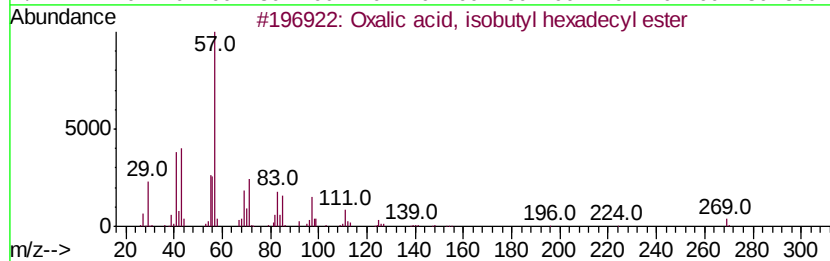
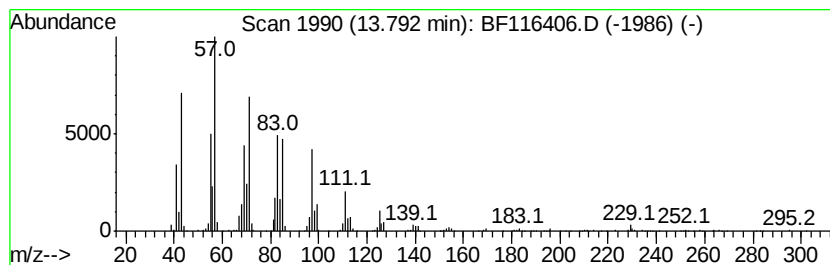
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Oxalic acid, isobutyl hexadecyl... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	18.54 ng	787333	Chrysene-d12	13.96

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	91
3		Ethanol, 2-(hexadecyloxy)-	286	C18H38O2	002136-71-2	91
4		1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	91
5		Oxalic acid, isobutyl pentadecyl...	356	C21H40O4	1000309-38-0	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
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Misc :
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ClientSampleId :
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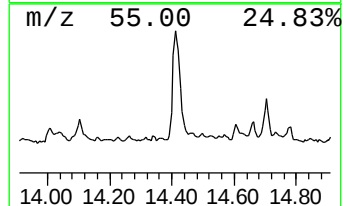
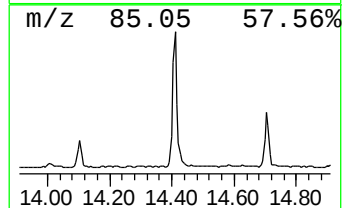
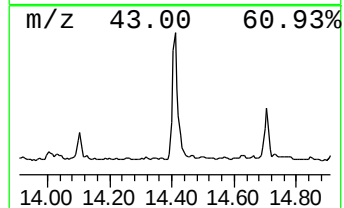
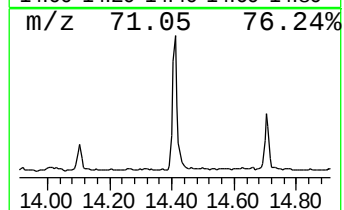
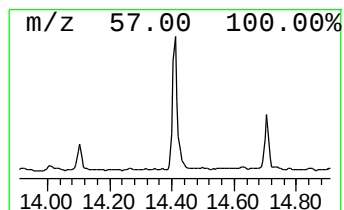
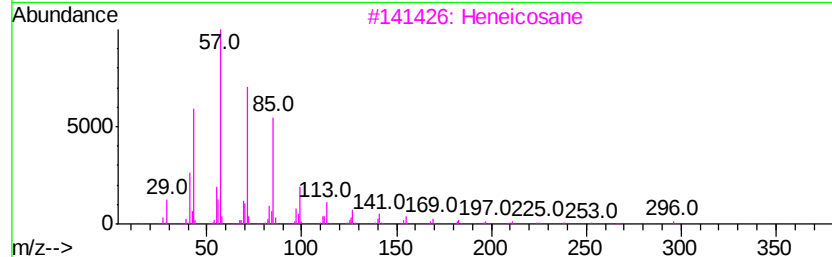
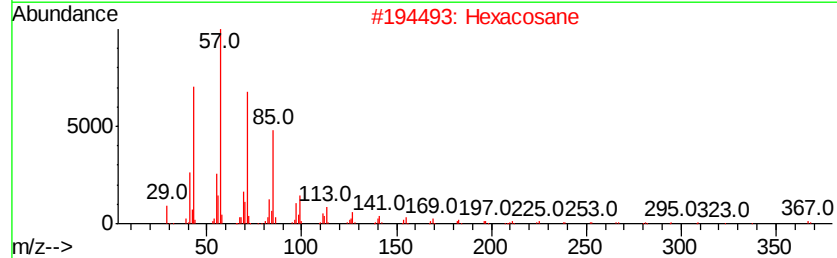
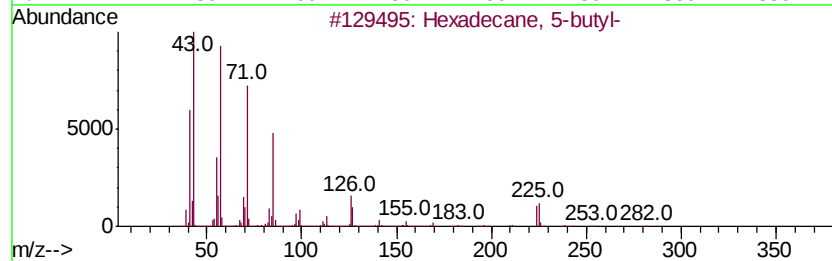
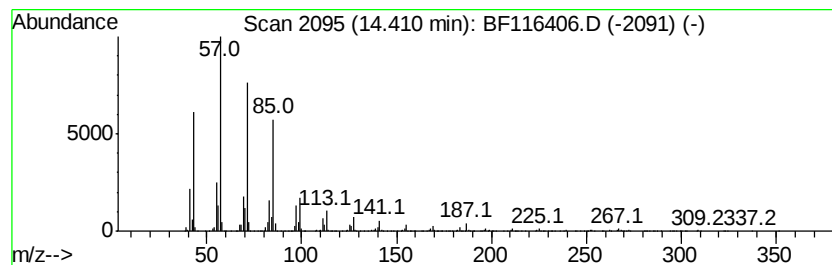
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Hexadecane, 5-butyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.41	32.06 ng	1361450	Chrysene-d12	13.96

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane, 5-butyl-	282	C20H42	006912-07-8	93
2		Hexacosane	366	C26H54	000630-01-3	91
3		Heneicosane	296	C21H44	000629-94-7	91
4		Octacosane	394	C28H58	000630-02-4	91
5		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91



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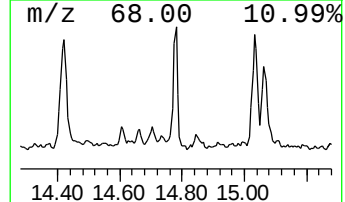
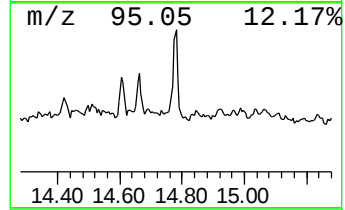
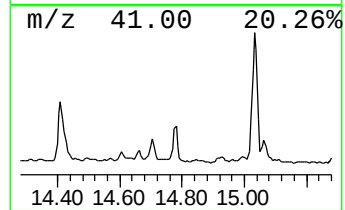
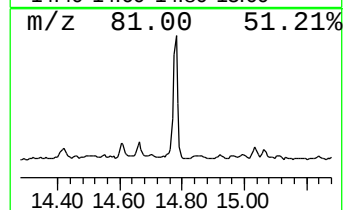
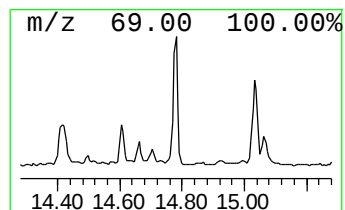
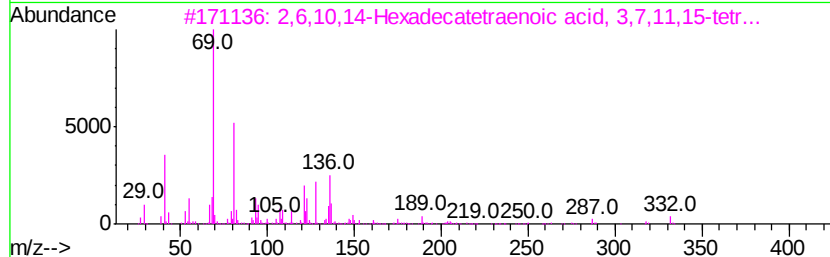
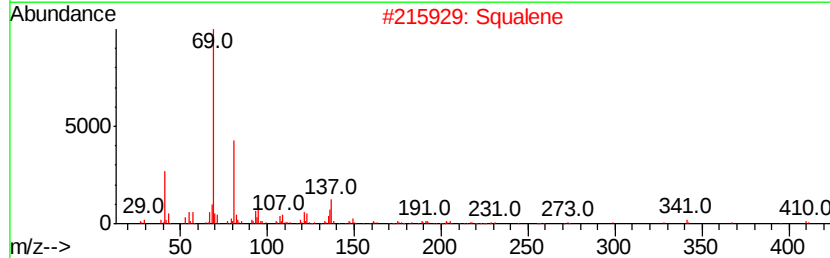
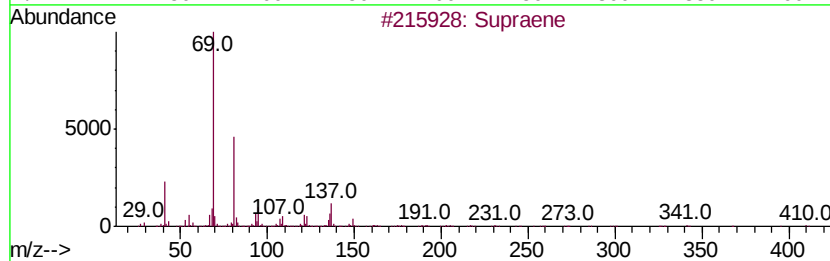
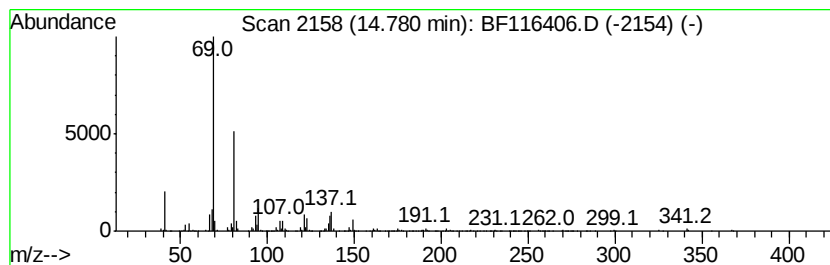
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Squalene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.78	9.59 ng	402121	Perylene-d12	15.42

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		2,6,10,14-Hexadecatetraenoic aci...	332	C22H36O2	024035-35-6	64
4		(.+/-)-Lavandulol, pentafluorop...	300	C13H17F5O2	1000352-63-1	64
5		1,5-Heptadiene, 3,3,6-trimethyl-	138	C10H18	035387-63-4	53



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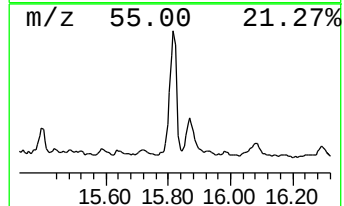
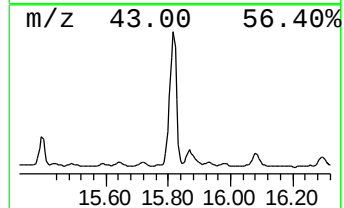
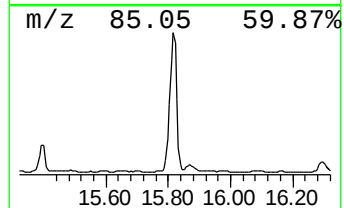
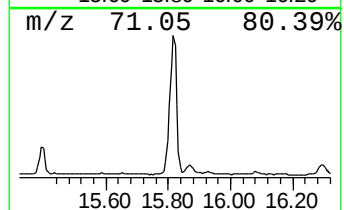
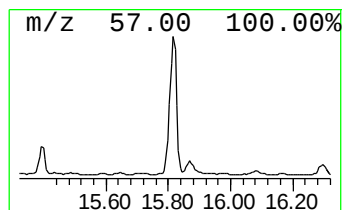
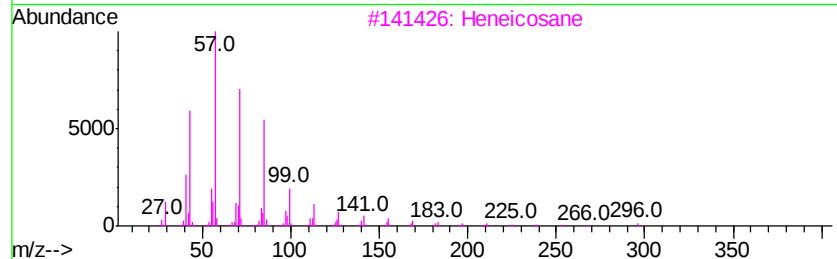
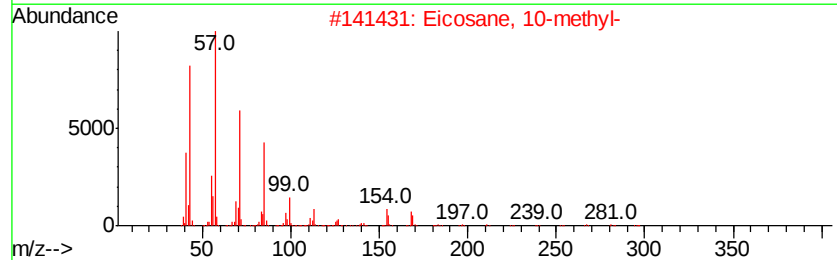
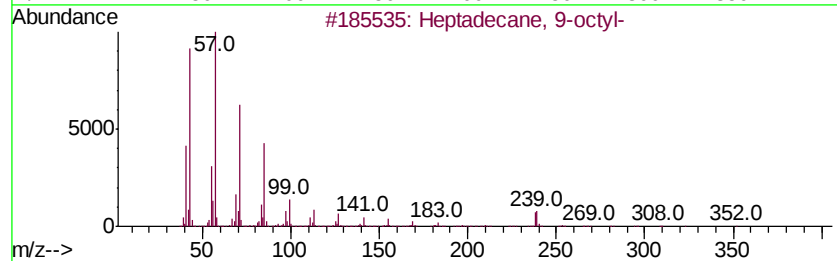
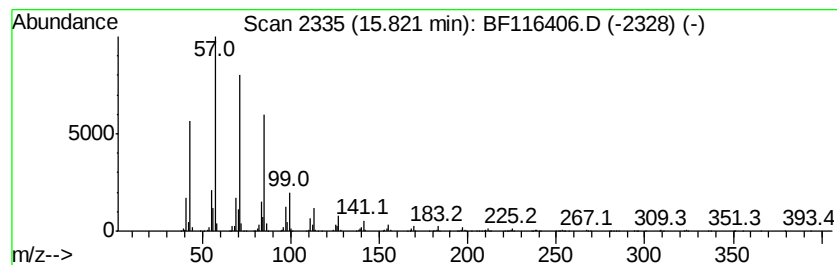
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Heptadecane, 9-octyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.82	57.58 ng	2414190	Perylene-d12	15.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	94
2		Eicosane, 10-methyl-	296	C21H44	054833-23-7	93
3		Heneicosane	296	C21H44	000629-94-7	91
4		2-methyloctacosane	408	C29H60	1000376-72-8	91
5		Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	90



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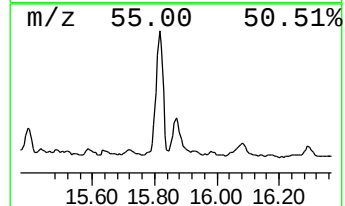
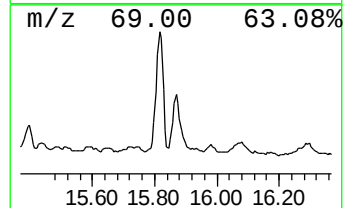
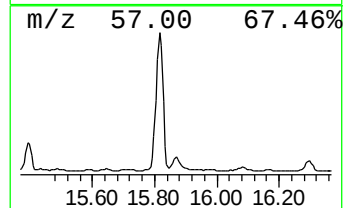
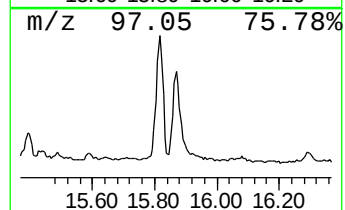
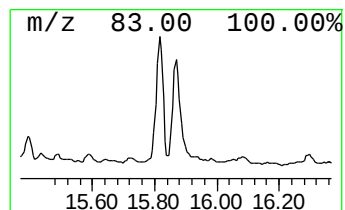
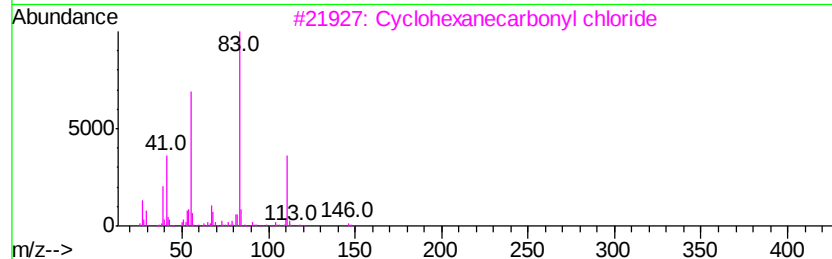
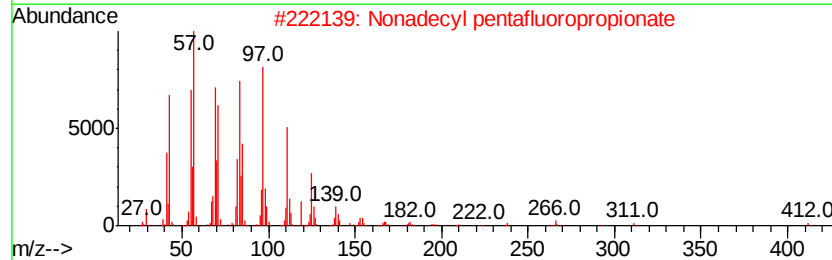
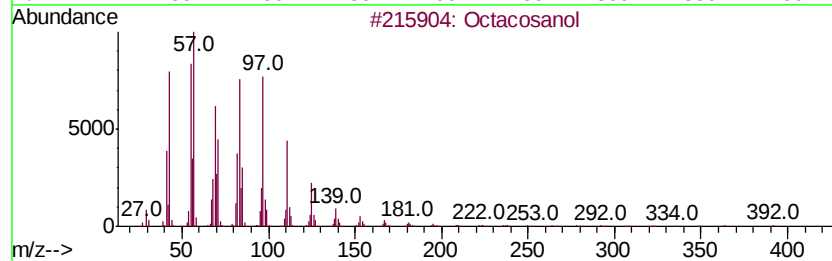
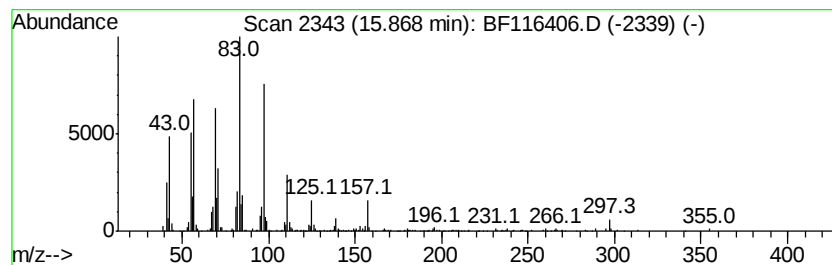
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Octacosanol Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.87	11.68 ng	489763	Perylene-d12	15.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octacosanol	410	C28H58O	000557-61-9	53
2		Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	38
3		Cyclohexanecarbonyl chloride	146	C7H11ClO	002719-27-9	35
4		Docosyl pentafluoropropionate	472	C25H45F5O2	1000351-80-9	30
5		Cyclotetradecane	196	C14H28	000295-17-0	30



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
Data File : BF116406.D
Acq On : 19 Aug 2019 23:44
Operator : HP/JU
Sample : K4223-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
SP-1

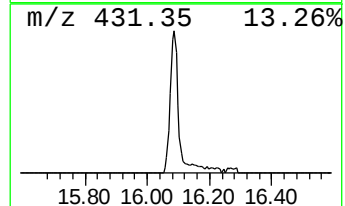
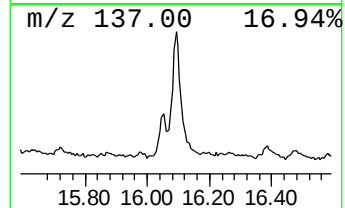
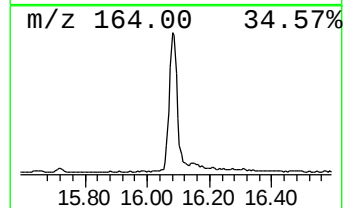
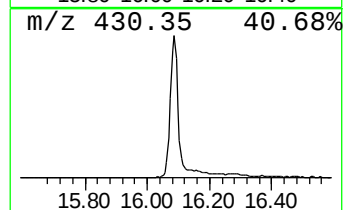
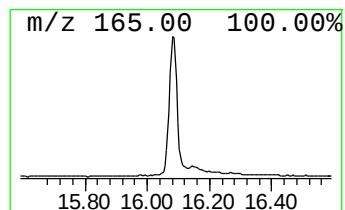
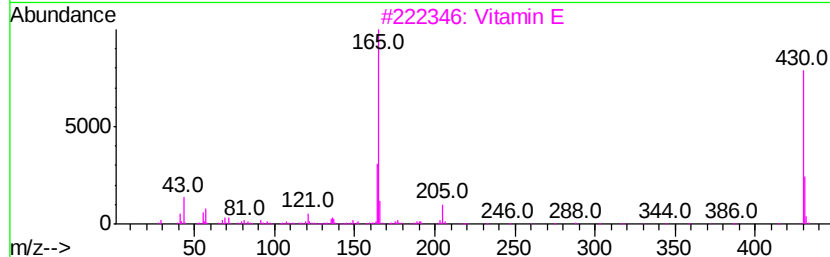
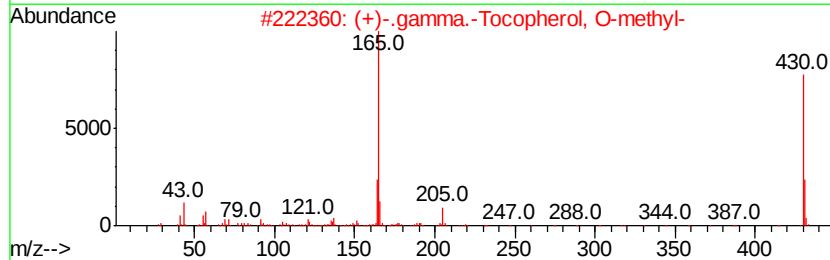
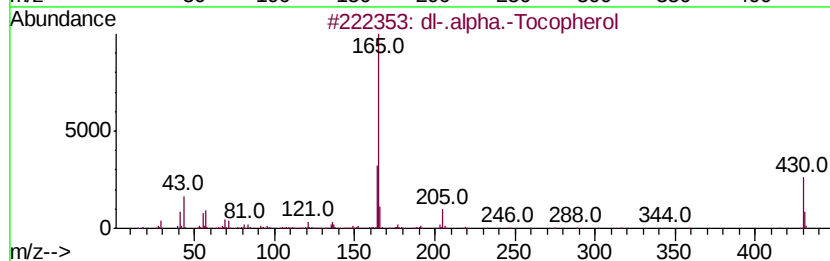
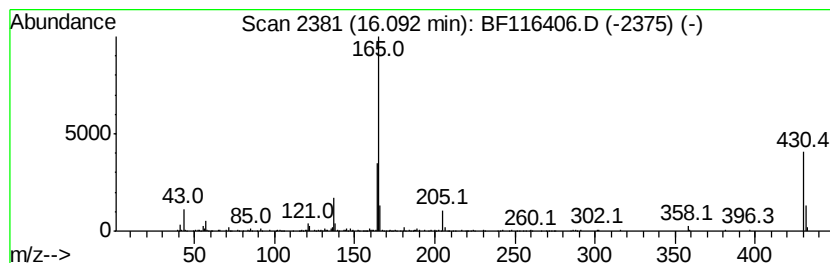
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 dl-.alpha.-Tocopherol Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.09	18.50 ng	775798	Perylene-d12	15.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	dl-.alpha.-Tocopherol	430	C29H50O2	010191-41-0	95
2		(+)-.gamma.-Tocopherol, O-methyl-	430	C29H50O2	1000374-72-2	91
3		Vitamin E	430	C29H50O2	000059-02-9	90
4		.alpha.-Tocopherol-.beta.-D-mann...	592	C35H60O7	1000156-68-2	64
5		3,6-Dimethyl-5-oxo-1,2,3,5-tetra...	165	C8H11N3O	058910-42-2	40



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
Data File : BF116406.D
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Sample : K4223-01
Misc :
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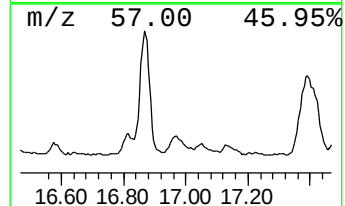
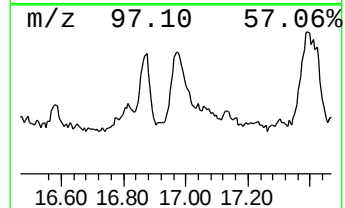
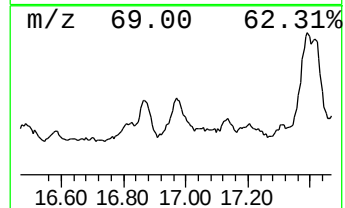
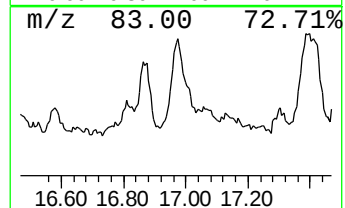
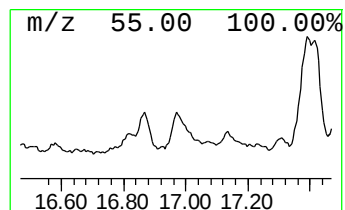
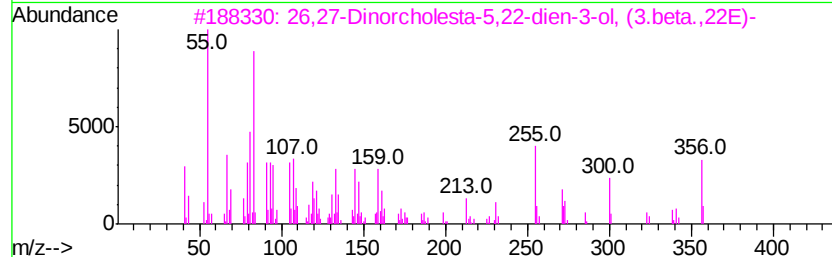
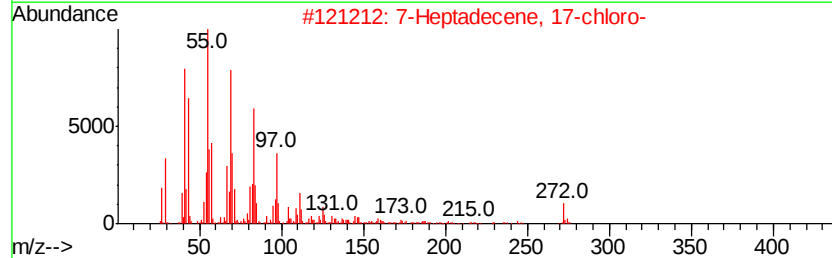
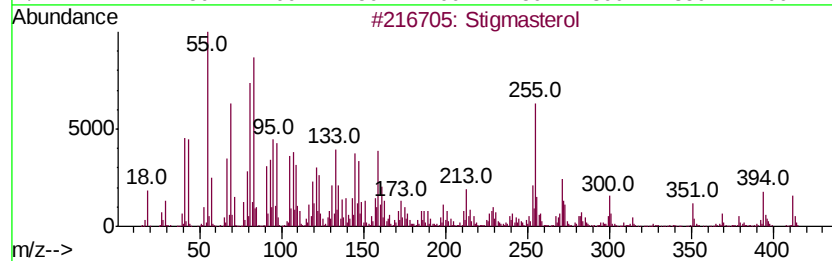
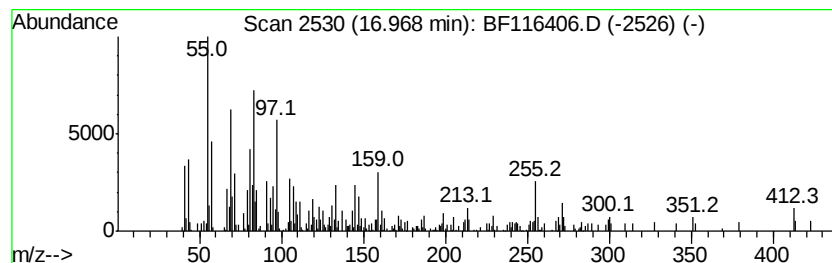
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown16.97 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.97	8.80 ng	368861	Perylene-d12	15.42

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Stigmaterol	412	C29H48O	000083-48-7	93
2			7-Heptadecene, 17-chloro-	272	C17H33Cl	056554-79-1	46
3			26,27-Dinorcholesta-5,22-dien-3-...	356	C25H40O	057597-10-1	43
4			17.beta.-hydroxvandrostan-3-one-...	400	C26H40O3	020592-38-5	35
5			Cholesta-22,24-dien-5-ol, 4,4-di...	412	C29H48O	1000128-66-1	30



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
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Misc :
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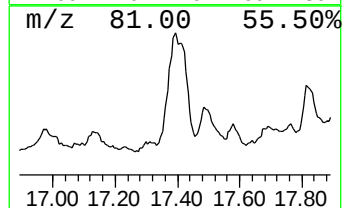
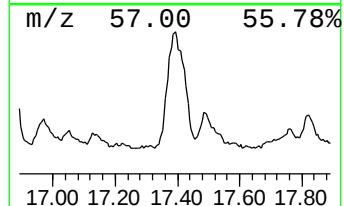
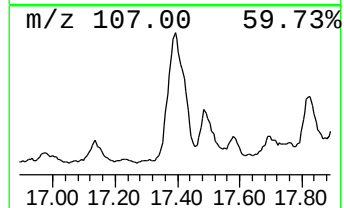
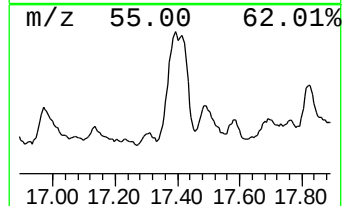
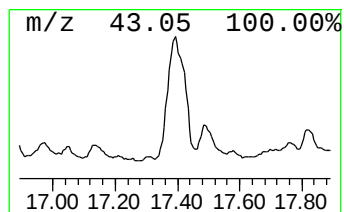
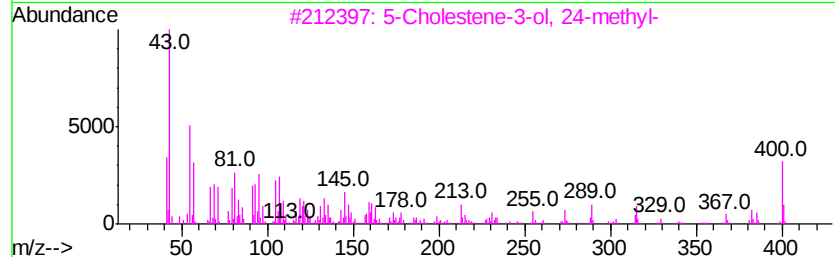
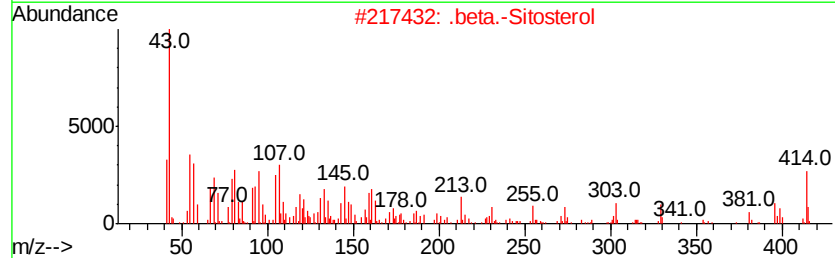
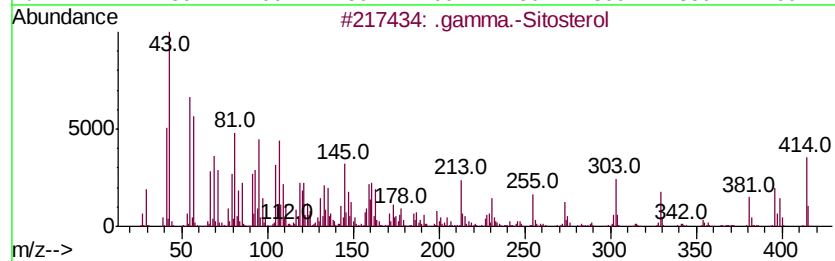
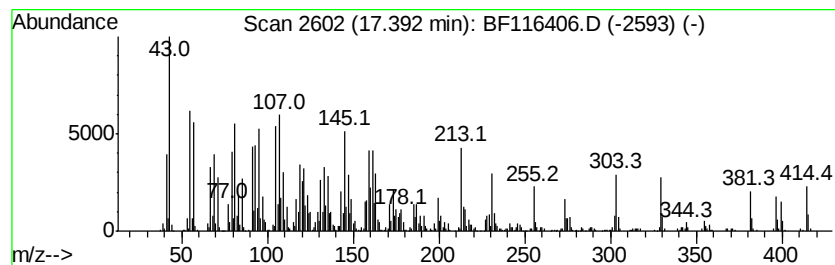
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 .gamma.-Sitosterol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.		
17.39	110.97 ng	4652760	Perylene-d12	15.42		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		.gamma.-Sitosterol	414	C29H50O	000083-47-6	99
2		.beta.-Sitosterol	414	C29H50O	000083-46-5	94
3		5-Cholestene-3-ol, 24-methyl-	400	C28H48O	1000214-17-4	43
4		Ergost-5-en-3-ol, (3.beta.)-	400	C28H48O	004651-51-8	43
5		Pregn-5-en-3-ol, 21-bromo-20-met...	394	C22H35BrO	055103-80-5	30



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
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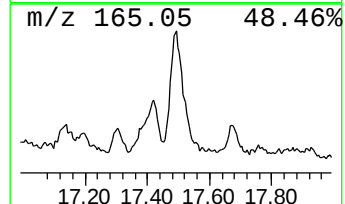
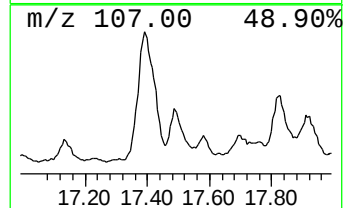
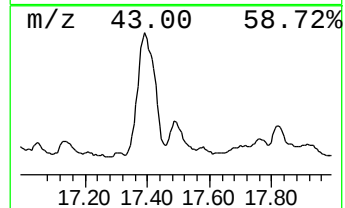
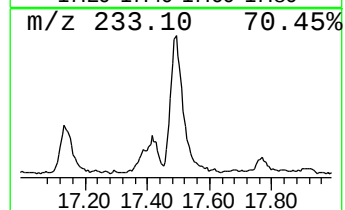
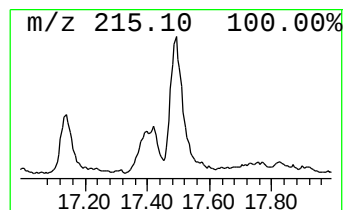
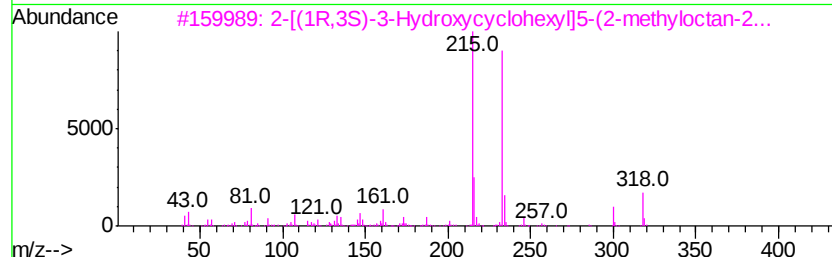
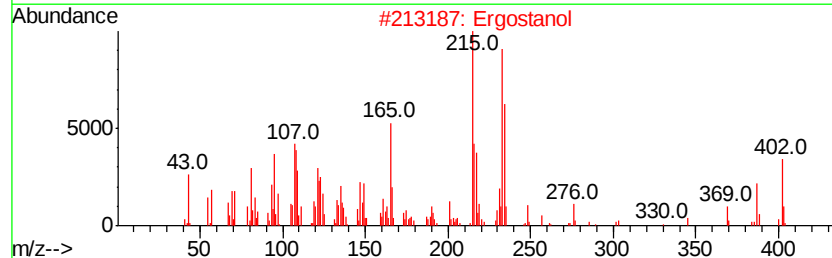
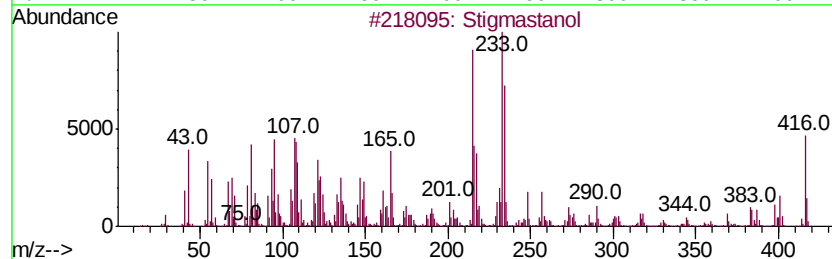
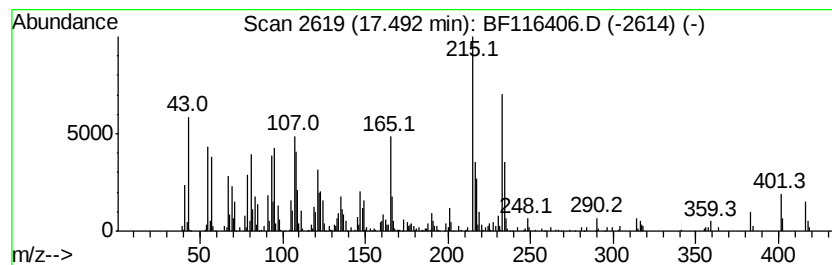
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Stigmastanol Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.49	19.04 ng	798114	Perylene-d12	15.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Stigmastanol	416 C29H52O	019466-47-8 86
2		Ergostanol	402 C28H50O	006538-02-9 58
3		2-[(1R,3S)-3-Hydroxycyclohexyl]5...	318 C21H34O2	070434-82-1 35
4		1(2H)-Naphthalenone, 3,4-dihydro...	234 C17H14O	006261-32-1 18
5		1,2,3,6-Tetrahydropyridine, 1-fo...	233 C13H15N03	094427-35-7 11



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
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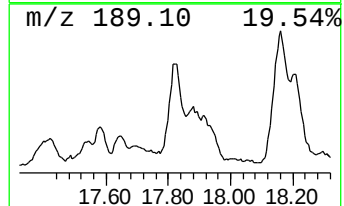
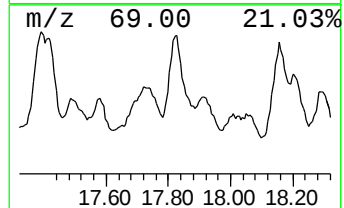
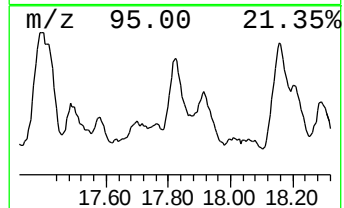
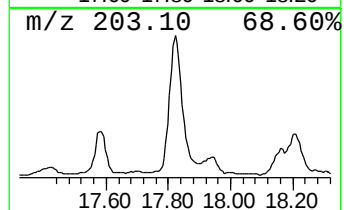
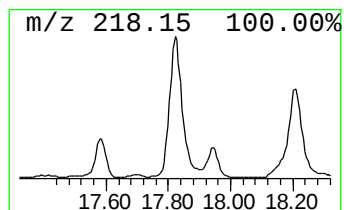
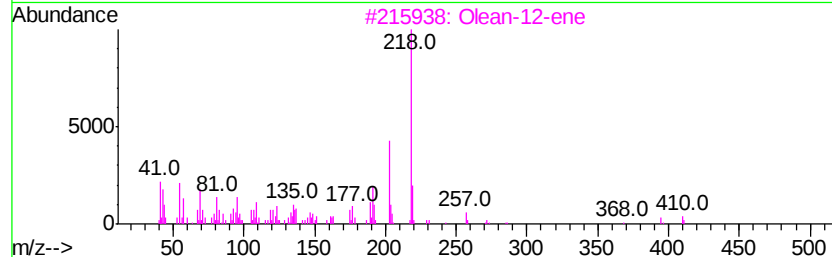
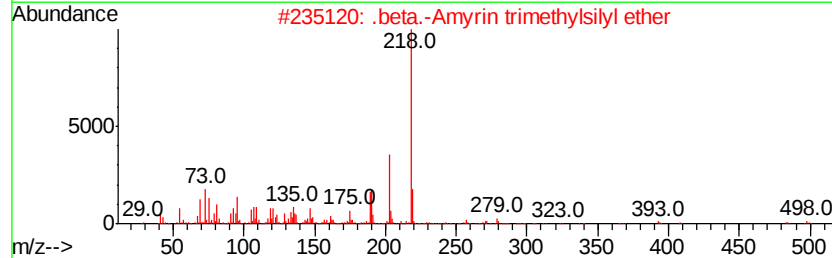
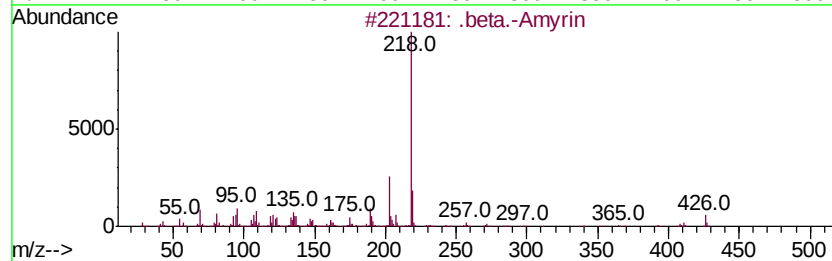
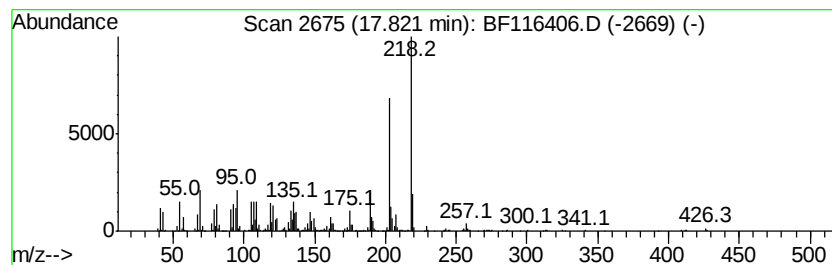
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 .beta.-Amyrin Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	36.15 ng	1515840	Perylene-d12	15.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		.beta.-Amyrin	426 C30H500	000559-70-6 90
2		.beta.-Amyrin trimethylsilyl ether	498 C33H58OSi	001721-67-1 72
3		Olean-12-ene	410 C30H50	000471-68-1 53
4		2,4(1H,3H)-Quinazolinedione, 1,3...	218 C12H14N2O2	002049-84-5 52
5		Benzo[b]naphtho[2,3-d]furan	218 C16H100	000243-42-5 49



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
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Misc :
ALS Vial : 15 Sample Multiplier: 1

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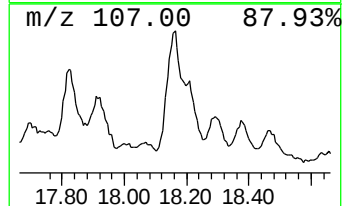
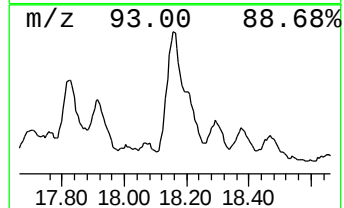
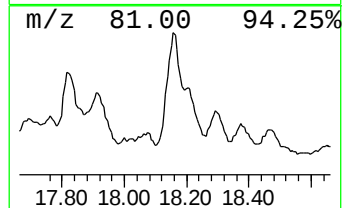
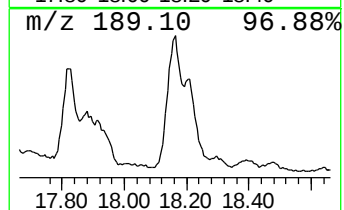
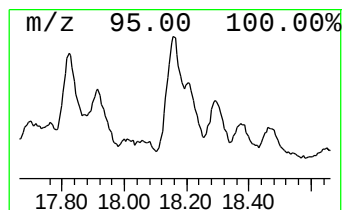
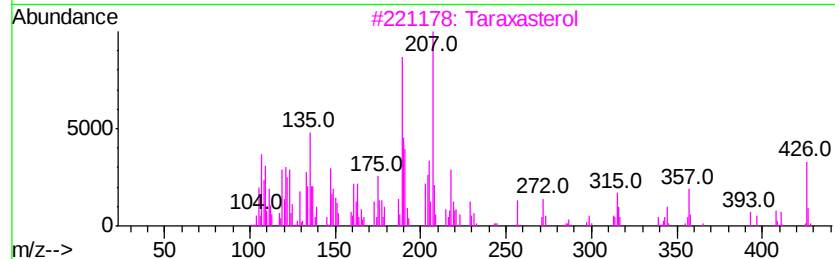
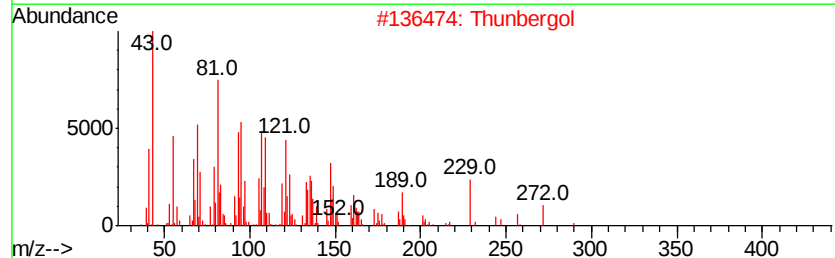
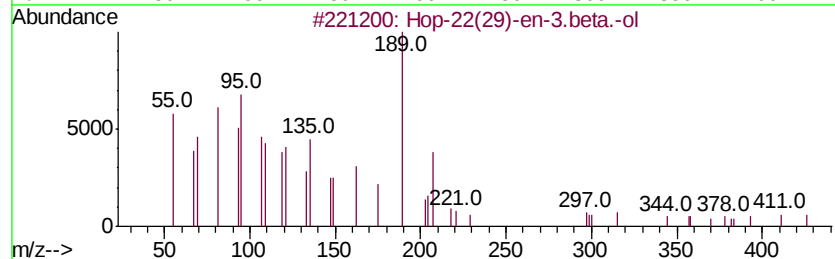
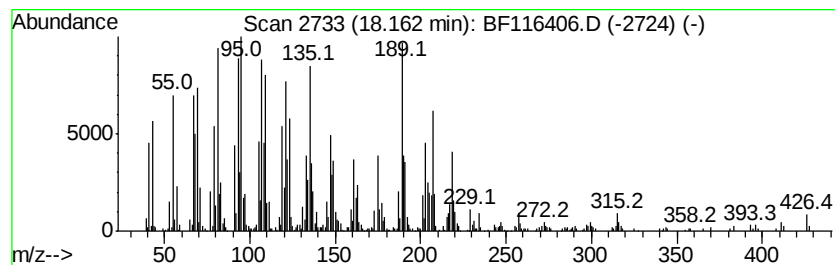
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Hop-22(29)-en-3.beta.-ol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	50.13 ng	2101650	Perylene-d12	15.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hop-22(29)-en-3.beta.-ol	426	C30H50O	058801-23-3	90
2		Thunbergol	290	C20H34O	025269-17-4	83
3		Taraxasterol	426	C30H50O	001059-14-9	74
4		(-)-Neoclovene-(I), dihydro-	206	C15H26	1000152-82-1	53
5		Longifolenaldehyde	220	C15H24O	019890-84-7	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
Data File : BF116406.D
Acq On : 19 Aug 2019 23:44
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Sample : K4223-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-1

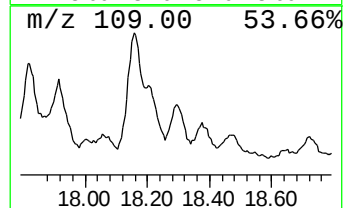
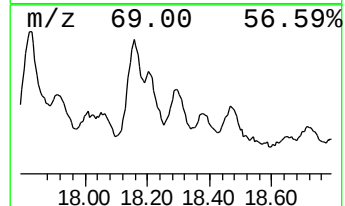
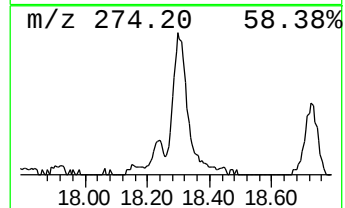
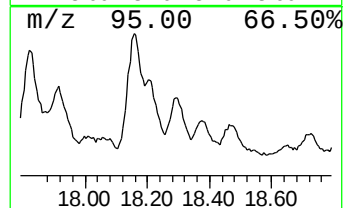
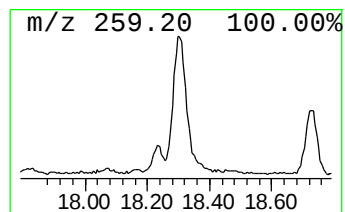
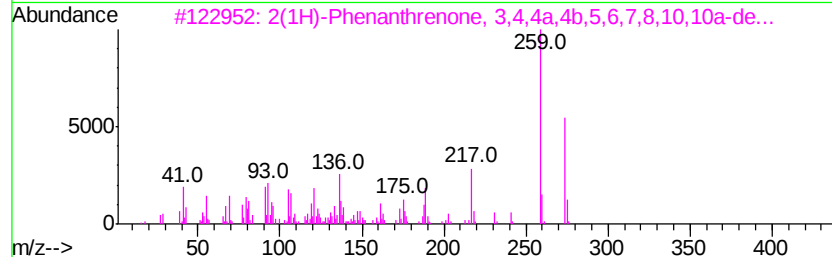
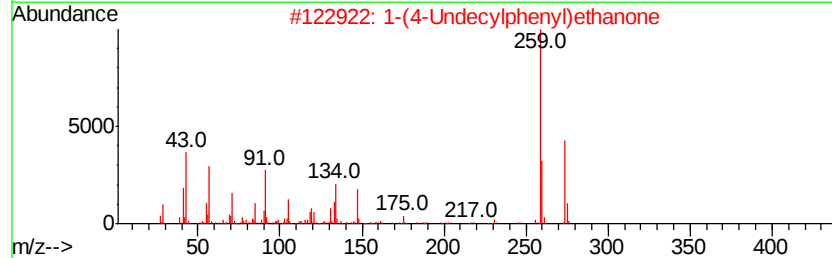
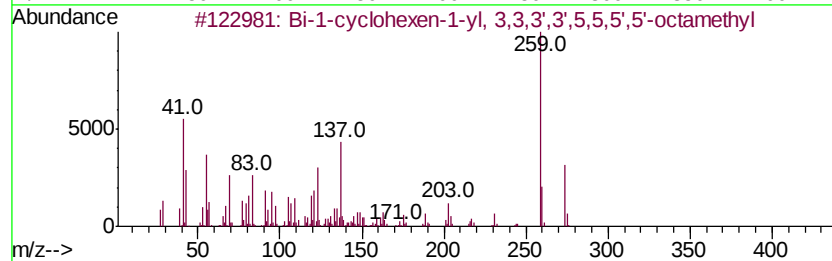
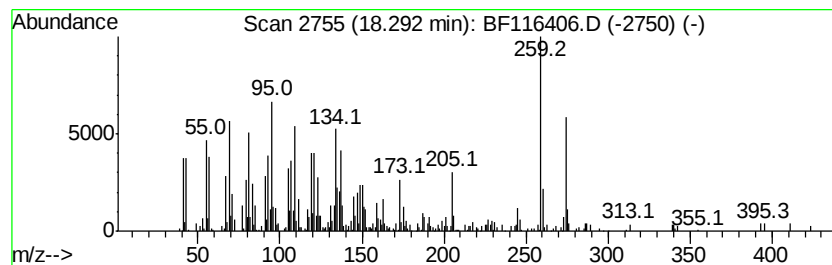
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown18.29 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	13.69 ng	574014	Perylene-d12	15.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Bi-1-cyclohexen-1-yl, 3,3,3',3',...	274	C20H34	076993-52-7	46
2		1-(4-Undecylphenyl)ethanone	274	C19H30O	1000185-92-4	42
3		2(1H)-Phenanthrenone, 3,4,4a,4b,...	274	C19H30O	007715-44-8	41
4		1,3-DIETHYL-2-HYDROXYBENZOTHAZO...	274	C14H14N2O2S	1000227-15-3	27
5		Androstan-4-one, (5.beta.)-	274	C19H30O	013583-71-6	22



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
Data File : BF116406.D
Acq On : 19 Aug 2019 23:44
Operator : HP/JU
Sample : K4223-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-1

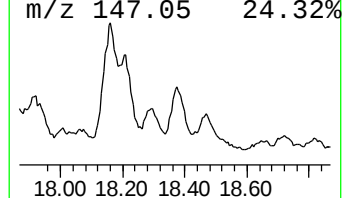
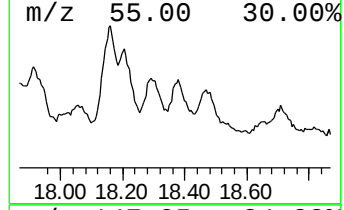
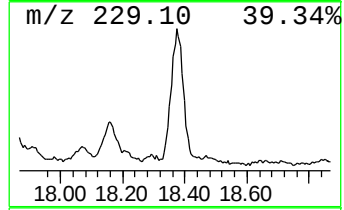
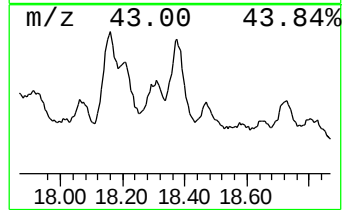
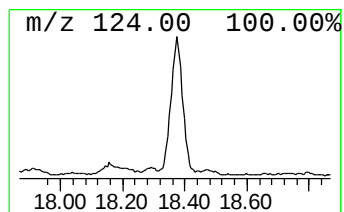
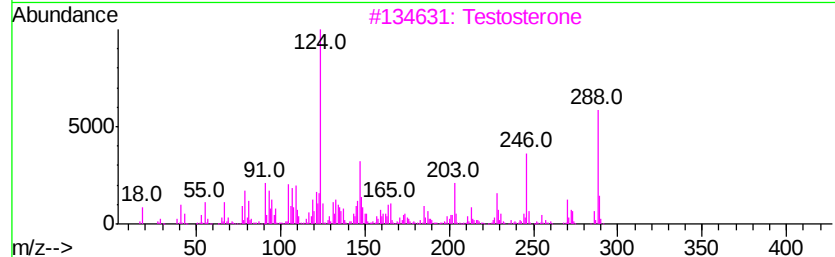
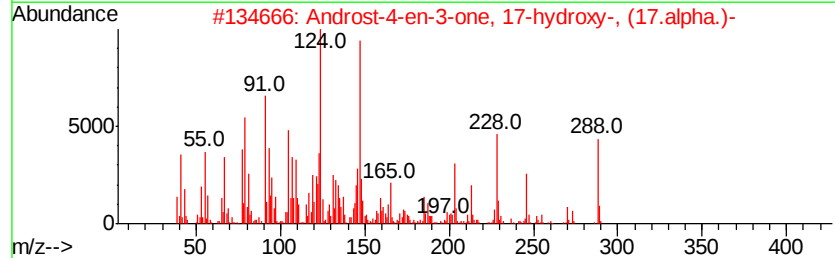
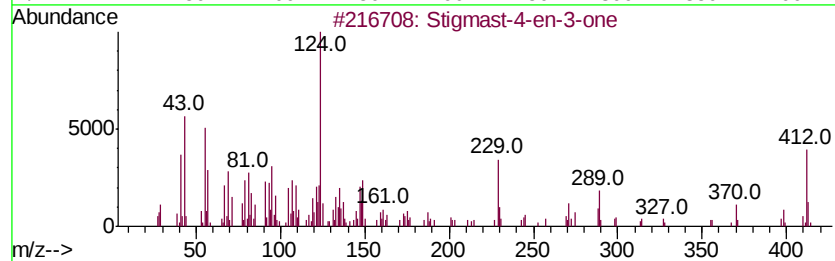
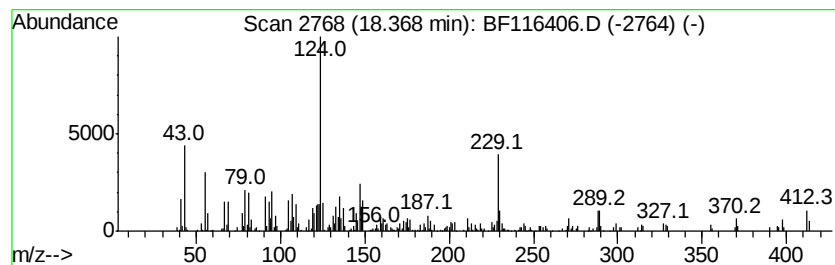
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Stigmast-4-en-3-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	16.90 ng	708661	Perylene-d12	15.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Stigmast-4-en-3-one	412	C29H48O	001058-61-3	93
2		Androst-4-en-3-one, 17-hydroxy-, ...	288	C19H28O2	000481-30-1	55
3		Testosterone	288	C19H28O2	000058-22-0	50
4		Androst-4-en-3-one, 17-hydroxy-, ...	288	C19H28O2	000604-39-7	47
5		Testosterone cypionate	412	C27H40O3	000058-20-8	41



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
Data File : BF116406.D
Acq On : 19 Aug 2019 23:44
Operator : HP/JU
Sample : K4223-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-1

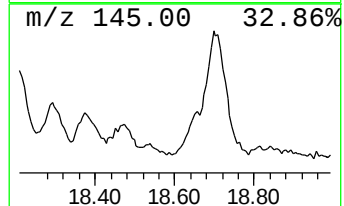
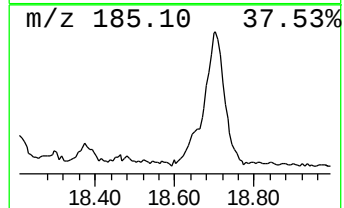
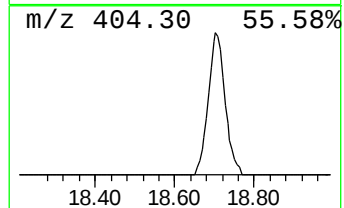
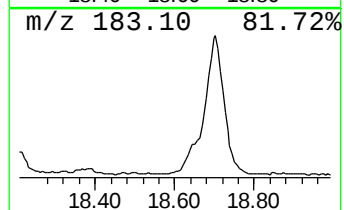
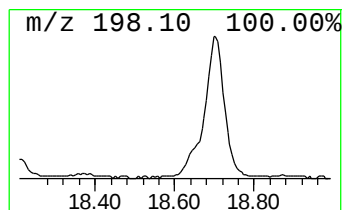
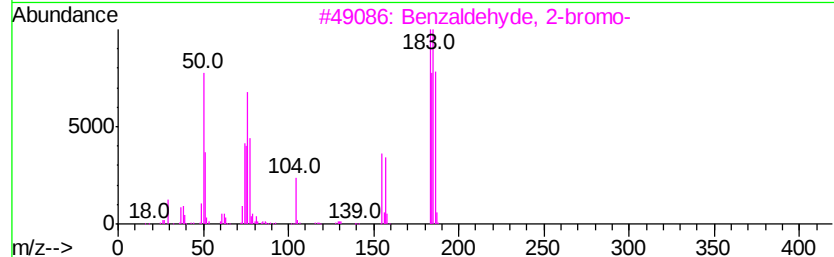
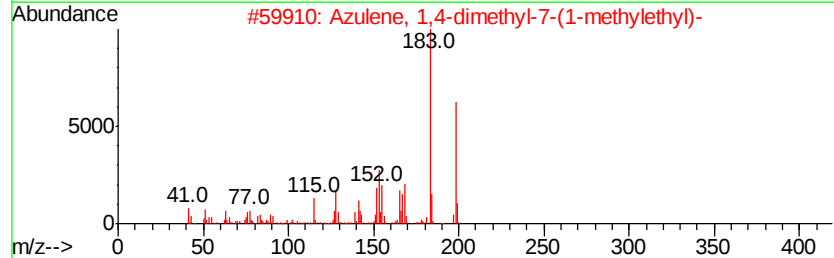
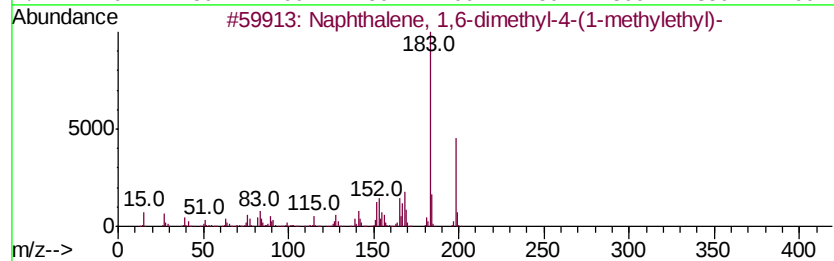
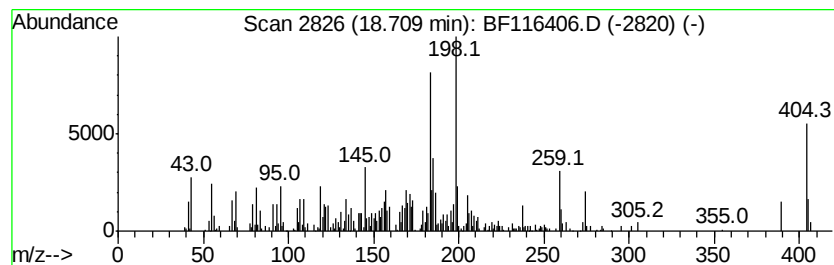
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Naphthalene, 1,6-dimethyl-4... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.71	21.21 ng	889075	Perylene-d12	15.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6-dimethyl-4-(1-m...	198	C15H18	000483-78-3	60
2		Azulene, 1,4-dimethyl-7-(1-methy...	198	C15H18	000489-84-9	55
3		Benzaldehyde, 2-bromo-	184	C7H5BrO	006630-33-7	42
4		1H-Pyrazole-3,5-dicarboxylic aci...	240	C10H12N2O5	1000350-61-9	35
5		Benzoic acid, 4-hydroxy-3,5-dime...	198	C9H10O5	000530-57-4	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081919\
 Data File : BF116406.D
 Acq On : 19 Aug 2019 23:44
 Operator : HP/JU
 Sample : K4223-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1

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
unknown6.58	6.58	77.0	ng	2492310	1	6.80	647573	20.0
n-Hexadecanoic acid	11.86	37.9	ng	2374540	4	11.32	1252300	20.0
Isophytol	12.45	11.3	ng	705595	4	11.32	1252300	20.0
Octadecanoic acid	12.63	11.5	ng	722788	4	11.32	1252300	20.0
2-Phenanthrenol, ...	13.33	21.6	ng	915769	5	13.96	849392	20.0
Oxalic acid, isob...	13.79	18.5	ng	787333	5	13.96	849392	20.0
Hexadecane, 5-butyl-	14.41	32.1	ng	1361450	5	13.96	849392	20.0
Squalene	14.78	9.6	ng	402121	6	15.42	838549	20.0
Heptadecane, 9-oc...	15.82	57.6	ng	2414190	6	15.42	838549	20.0
Octacosanol	15.87	11.7	ng	489763	6	15.42	838549	20.0
dl-.alpha.-Tocoph...	16.09	18.5	ng	775798	6	15.42	838549	20.0
unknown16.97	16.97	8.8	ng	368861	6	15.42	838549	20.0
.gamma.-Sitosterol	17.39	111.0	ng	4652760	6	15.42	838549	20.0
Stigmastanol	17.49	19.0	ng	798114	6	15.42	838549	20.0
.beta.-Amyrin	17.82	36.1	ng	1515840	6	15.42	838549	20.0
Hop-22(29)-en-3.b...	18.16	50.1	ng	2101650	6	15.42	838549	20.0
unknown18.29	18.29	13.7	ng	574014	6	15.42	838549	20.0
Stigmast-4-en-3-one	18.37	16.9	ng	708661	6	15.42	838549	20.0
Naphthalene, 1,6-...	18.71	21.2	ng	889075	6	15.42	838549	20.0