

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081919\
 Data File : BF116409.D
 Acq On : 20 Aug 2019 1:05
 Operator : HP/JU
 Sample : K4223-11
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-6

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	566	569	599	rBV	1692402	2121531	55.02%	4.050%
2	6.451	739	742	756	rBV	1912136	2217207	57.50%	4.233%
3	6.581	760	764	773	rVB	2447497	2290972	59.41%	4.374%
4	6.804	799	802	812	rBV	692959	621207	16.11%	1.186%
5	6.957	825	828	843	rBV	1956209	1782008	46.21%	3.402%
6	7.369	895	898	919	rBV	1457343	1463898	37.96%	2.795%
7	8.081	1016	1019	1032	rBV	853953	843117	21.86%	1.610%
8	9.151	1198	1201	1205	rBV	2612200	2469164	64.03%	4.714%
9	9.463	1251	1254	1256	rBV	45707	42257	1.10%	0.081%
10	9.486	1256	1258	1263	rVV	140759	122637	3.18%	0.234%
11	9.551	1265	1269	1272	rVV	517672	453027	11.75%	0.865%
12	9.586	1272	1275	1280	rVB3	77976	78687	2.04%	0.150%
13	9.739	1297	1301	1304	rBV3	47329	45807	1.19%	0.087%
14	9.833	1314	1317	1320	rBV	1248389	1037607	26.91%	1.981%
15	9.857	1320	1321	1327	rVB3	120253	88584	2.30%	0.169%
16	9.951	1332	1337	1341	rBV	249631	234903	6.09%	0.448%
17	9.986	1341	1343	1346	rVB	56909	46752	1.21%	0.089%
18	10.127	1363	1367	1370	rVB	104141	106292	2.76%	0.203%
19	10.427	1416	1418	1420	rVV2	35383	40767	1.06%	0.078%
20	10.469	1423	1425	1428	rVV	64932	66290	1.72%	0.127%
21	10.498	1428	1430	1433	rVV	121877	103759	2.69%	0.198%
22	10.557	1436	1440	1442	rVV3	82386	99280	2.57%	0.190%
23	10.598	1442	1447	1449	rVV3	151251	217211	5.63%	0.415%
24	10.627	1449	1452	1455	rVV	1850879	1783420	46.25%	3.405%
25	10.686	1459	1462	1468	rVB2	75614	89669	2.33%	0.171%
26	10.739	1468	1471	1477	rBV2	79224	93158	2.42%	0.178%
27	10.816	1482	1484	1489	rVV4	28202	43589	1.13%	0.083%
28	10.927	1500	1503	1509	rBV	86616	91425	2.37%	0.175%
29	10.992	1510	1514	1519	rBV4	117730	197796	5.13%	0.378%
30	11.033	1519	1521	1524	rVB	55530	52454	1.36%	0.100%
31	11.269	1559	1561	1564	rBV2	48101	49705	1.29%	0.095%
32	11.322	1564	1570	1572	rVV	1213512	1182353	30.66%	2.257%
33	11.339	1572	1573	1576	rVV2	202589	214303	5.56%	0.409%
34	11.363	1576	1577	1580	rVB	199997	143261	3.72%	0.274%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.427	1585	1588	1589	rVV3	44740	51916	1.35%	0.099%
36	11.451	1589	1592	1596	rVB	181028	177514	4.60%	0.339%
37	11.492	1597	1599	1602	rVB	47467	41867	1.09%	0.080%
38	11.521	1602	1604	1606	rBV2	55046	50843	1.32%	0.097%
39	11.692	1631	1633	1638	rVB2	96621	110731	2.87%	0.211%
40	11.798	1645	1651	1654	rBV2	176301	276184	7.16%	0.527%
41	11.857	1655	1661	1672	rVV	1785495	2197495	56.99%	4.196%
42	12.004	1684	1686	1690	rVV2	315768	295769	7.67%	0.565%
43	12.039	1690	1692	1698	rVB2	86238	101732	2.64%	0.194%
44	12.098	1699	1702	1704	rBV3	81189	79554	2.06%	0.152%
45	12.133	1706	1708	1712	rVB	98454	95265	2.47%	0.182%
46	12.192	1716	1718	1722	rVB2	72242	73440	1.90%	0.140%
47	12.251	1725	1728	1731	rVB4	74094	93076	2.41%	0.178%
48	12.380	1747	1750	1752	rBV2	98420	105353	2.73%	0.201%
49	12.404	1752	1754	1757	rVB2	128401	109475	2.84%	0.209%
50	12.451	1759	1762	1773	rBV	677345	781378	20.26%	1.492%
51	12.539	1773	1777	1778	rBV	842396	909812	23.59%	1.737%
52	12.557	1778	1780	1789	rVV2	1110483	1544287	40.05%	2.948%
53	12.633	1789	1793	1800	rVV	567000	656455	17.02%	1.253%
54	12.721	1805	1808	1811	rBV	204705	177099	4.59%	0.338%
55	12.768	1813	1816	1819	rVB	221218	230226	5.97%	0.440%
56	12.898	1834	1838	1842	rVV	2534807	2355870	61.09%	4.498%
57	12.951	1845	1847	1852	rVB4	60172	71087	1.84%	0.136%
58	13.068	1864	1867	1868	rBV2	42578	49954	1.30%	0.095%
59	13.098	1870	1872	1874	rVV2	87219	77827	2.02%	0.149%
60	13.121	1874	1876	1881	rVB3	85475	89851	2.33%	0.172%
61	13.163	1881	1883	1887	rBV3	52227	68554	1.78%	0.131%
62	13.198	1887	1889	1891	rBV2	60940	70190	1.82%	0.134%
63	13.292	1901	1905	1907	rBV3	122393	167693	4.35%	0.320%
64	13.321	1907	1910	1912	rBV	289969	290426	7.53%	0.554%
65	13.392	1920	1922	1924	rBV	87120	74012	1.92%	0.141%
66	13.415	1924	1926	1930	rVB	162083	140649	3.65%	0.269%
67	13.510	1940	1942	1945	rVV3	50985	44428	1.15%	0.085%
68	13.539	1945	1947	1951	rVB	48925	43612	1.13%	0.083%
69	13.639	1962	1964	1966	rBV2	52838	51271	1.33%	0.098%
70	13.663	1966	1968	1973	rVB4	89622	91329	2.37%	0.174%
71	13.751	1980	1983	1986	rVV2	96411	83916	2.18%	0.160%

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Sampling : 1 Min Area: 3 % of largest Peak
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72	13.786	1986	1989	1995	rVB	679524	701311	18.19%	1.339%
73	13.874	2001	2004	2008	rBV	152675	163063	4.23%	0.311%
74	13.921	2010	2012	2016	rBV	56958	79573	2.06%	0.152%
75	13.963	2016	2019	2023	rBV	782255	831838	21.57%	1.588%
76	14.033	2029	2031	2036	rVB3	125229	153069	3.97%	0.292%
77	14.104	2040	2043	2046	rBV	126960	110992	2.88%	0.212%
78	14.410	2091	2095	2102	rBV2	730235	1011688	26.24%	1.932%
79	14.610	2126	2129	2130	rBV	60098	60785	1.58%	0.116%
80	14.704	2142	2145	2148	rVB	234636	220985	5.73%	0.422%
81	14.780	2155	2158	2162	rVB	347421	326326	8.46%	0.623%
82	14.921	2180	2182	2187	rVB3	84211	93447	2.42%	0.178%
83	15.033	2197	2201	2204	rBV	1697865	1960340	50.84%	3.743%
84	15.062	2204	2206	2211	rVB	342054	370587	9.61%	0.708%
85	15.286	2241	2244	2255	rVB2	116958	201605	5.23%	0.385%
86	15.392	2260	2262	2264	rVV	227817	263065	6.82%	0.502%
87	15.421	2264	2267	2274	rVB	653290	833062	21.60%	1.591%
88	15.715	2315	2317	2324	rVB3	82376	127268	3.30%	0.243%
89	15.815	2329	2334	2339	rVV	1279222	1905077	49.40%	3.637%
90	15.868	2339	2343	2350	rVB	244568	392651	10.18%	0.750%
91	16.086	2376	2380	2389	rVB3	287107	520375	13.49%	0.994%
92	16.968	2526	2530	2540	rVB3	145531	322094	8.35%	0.615%
93	17.309	2583	2588	2592	rBV3	103656	213231	5.53%	0.407%
94	17.386	2592	2601	2613	rVV5	1083595	3856219	100.00%	7.362%
95	17.486	2614	2618	2629	rVB5	176551	488569	12.67%	0.933%
96	17.686	2646	2652	2661	rBV6	188115	590631	15.32%	1.128%
97	17.821	2669	2675	2685	rBV2	451274	1208885	31.35%	2.308%
98	18.150	2723	2731	2737	rBV2	585305	1756993	45.56%	3.354%
99	18.292	2750	2755	2763	rVV6	194498	481216	12.48%	0.919%
100	18.374	2764	2769	2779	rVB5	256225	668028	17.32%	1.275%

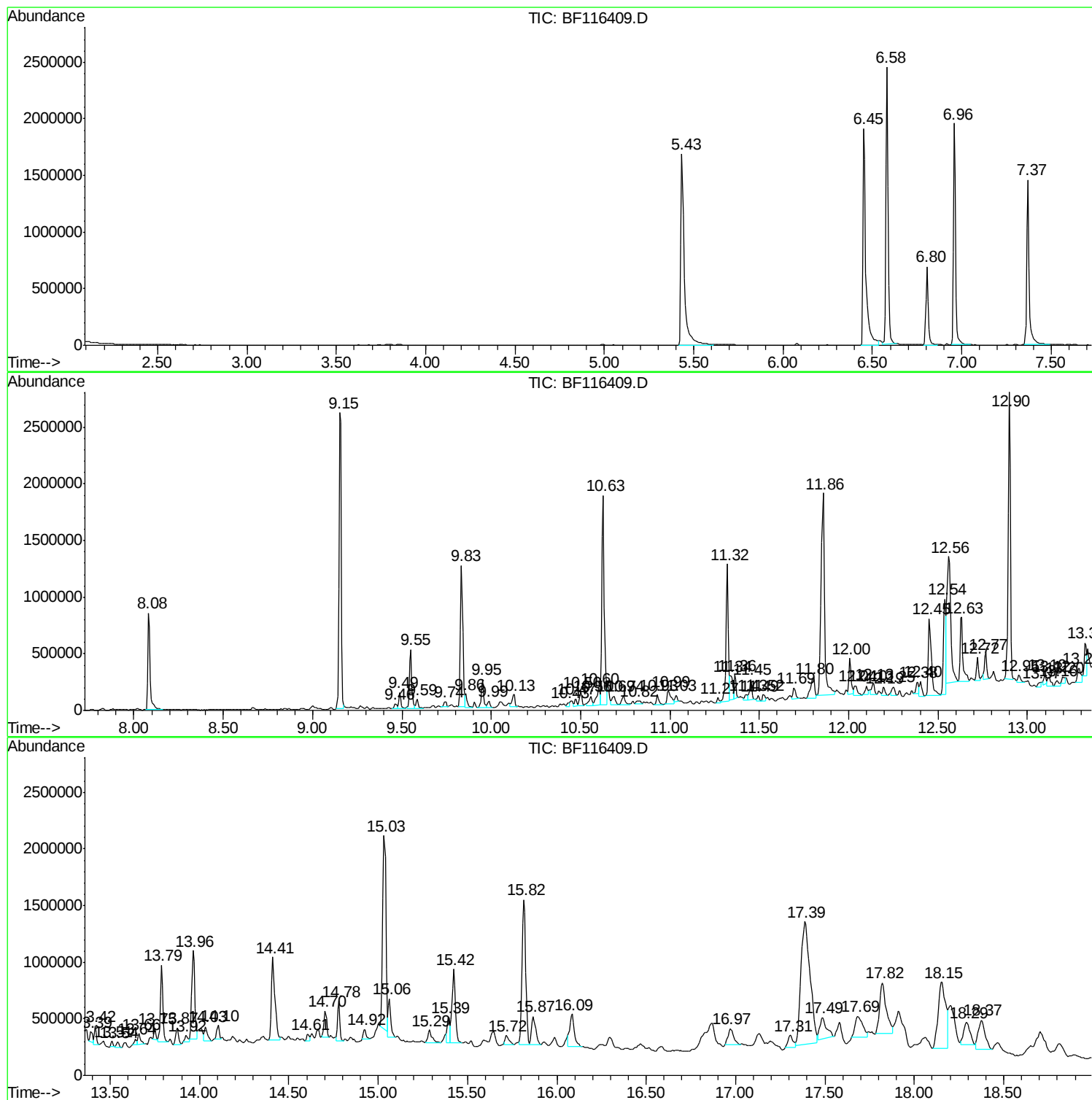
Sum of corrected areas: 52377210

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SP-6

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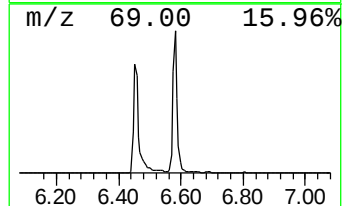
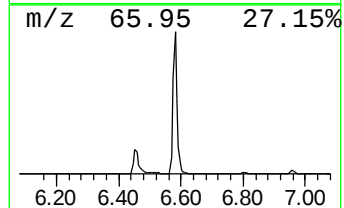
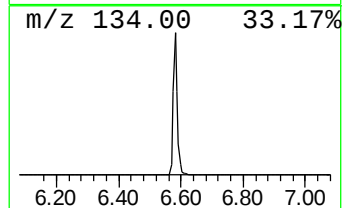
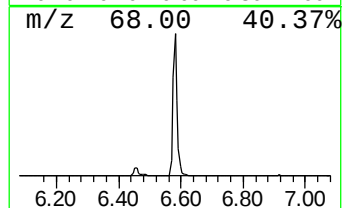
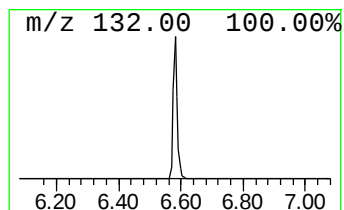
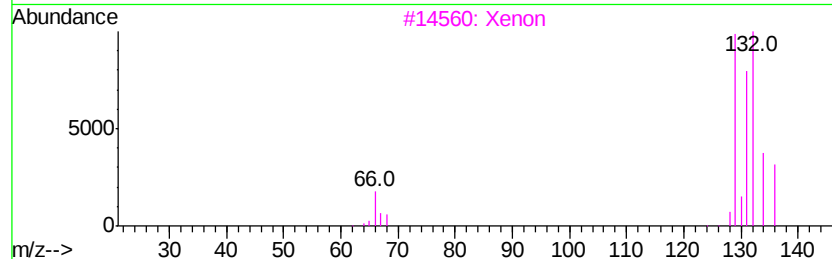
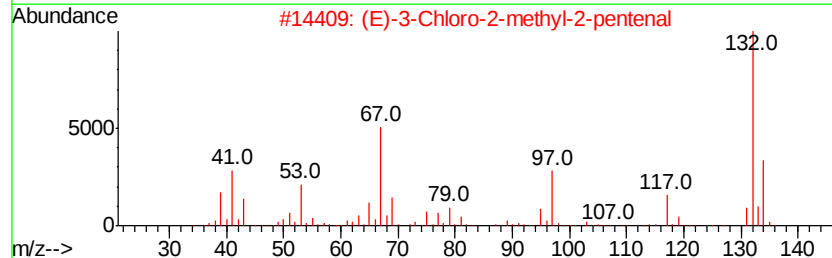
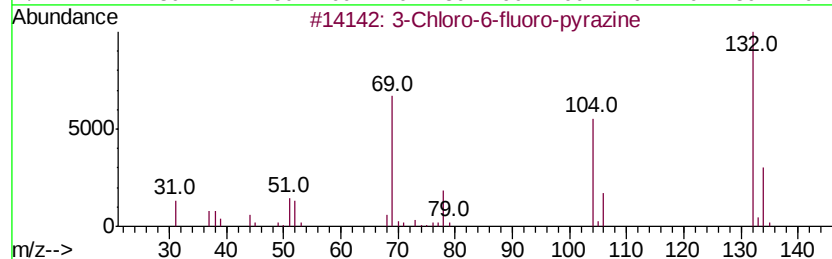
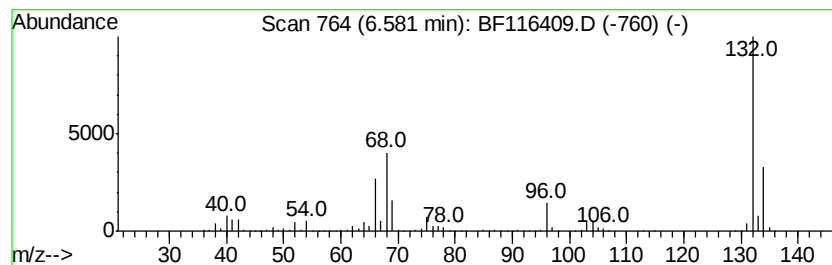
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.58 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	73.76 ng	2290970	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	12
3		Xenon	132	Xe	007440-63-3	9
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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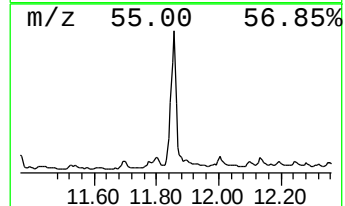
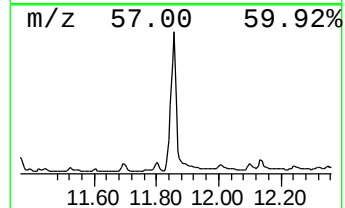
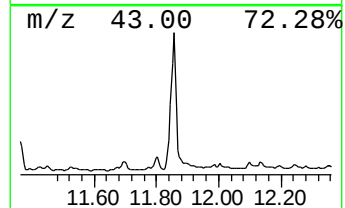
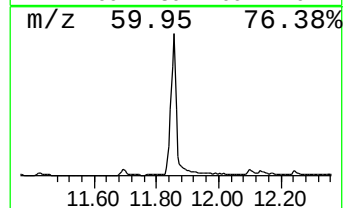
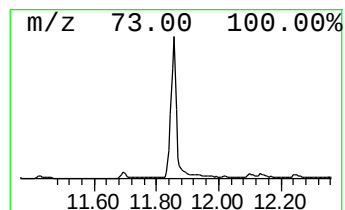
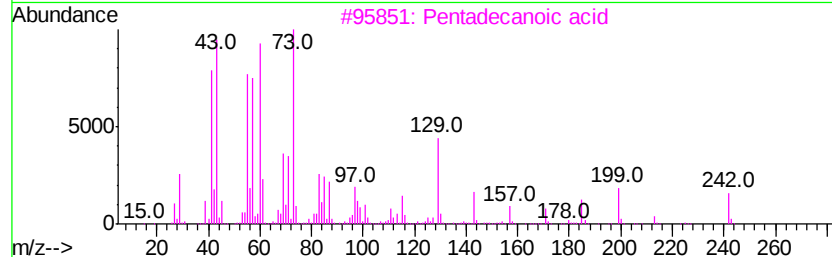
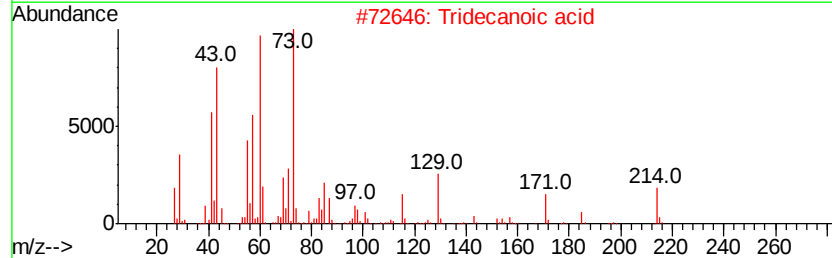
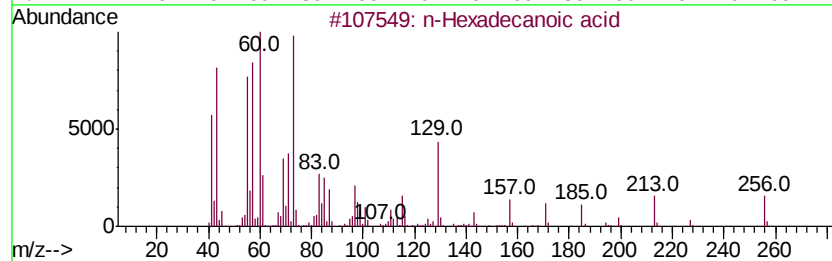
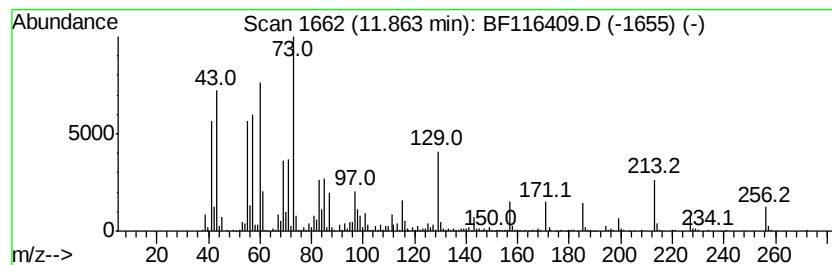
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	37.17 ng	2197500	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	74
5		Estra-1,3,5(10)-trien-17.beta.-ol	256	C18H24O	002529-64-8	30



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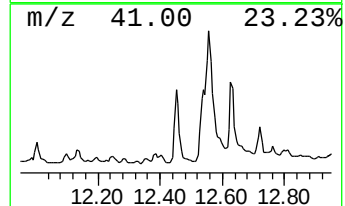
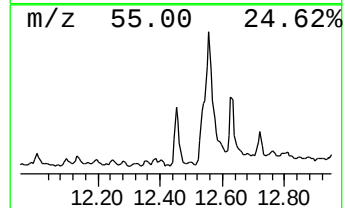
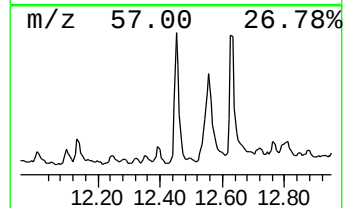
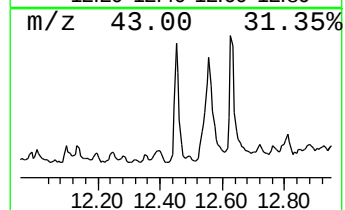
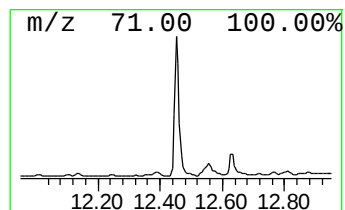
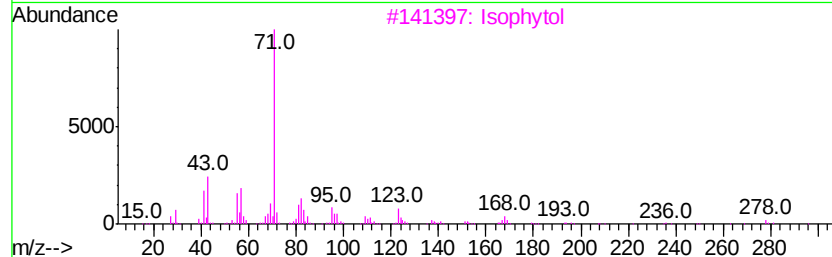
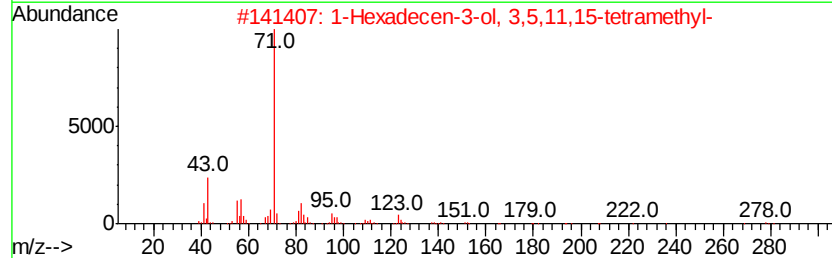
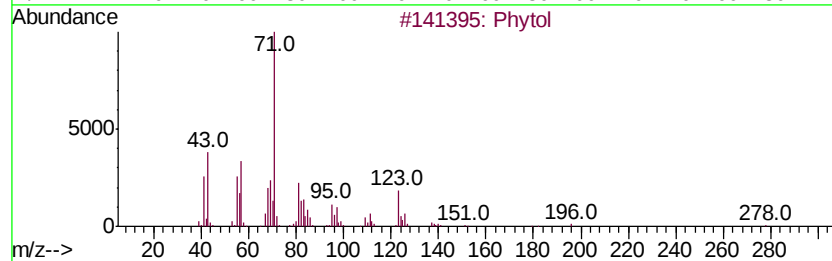
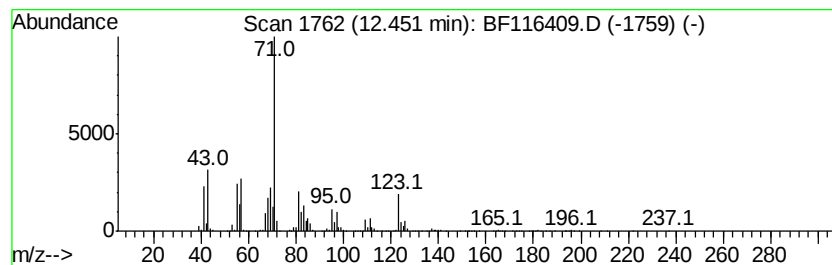
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Phytol Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	13.22 ng	781378	Phenanthrene-d10	11.32

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phytol	296	C20H40O	000150-86-7	91
2		1-Hexadecen-3-ol, 3,5,11,15-tetr...	296	C20H40O	1000262-55-5	64
3		Isophytol	296	C20H40O	000505-32-8	59
4		Butyric acid, 2-tridecyl ester	270	C17H34O2	055193-07-2	50
5		Nonane, 5-butyl-	184	C13H28	017312-63-9	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
Data File : BF116409.D
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Operator : HP/JU
Sample : K4223-11
Misc :
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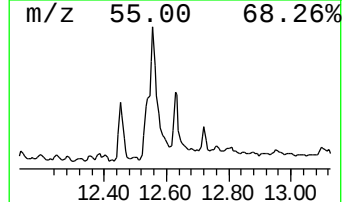
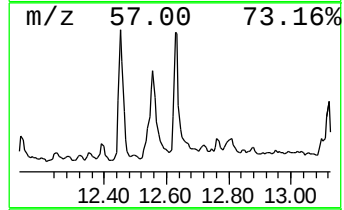
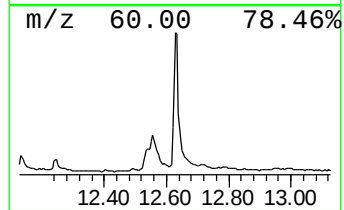
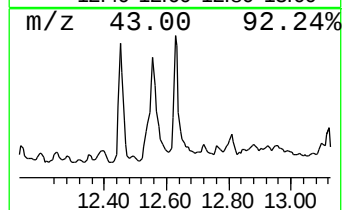
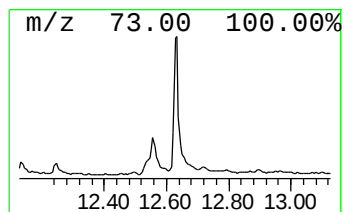
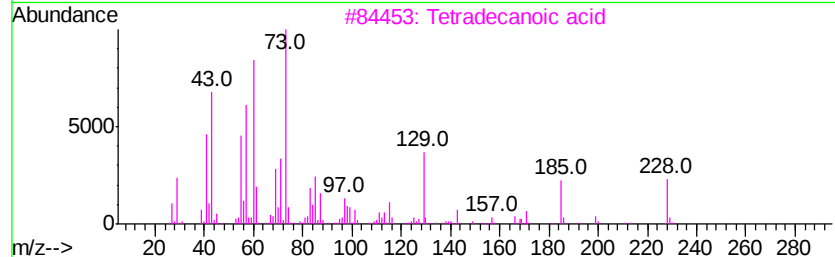
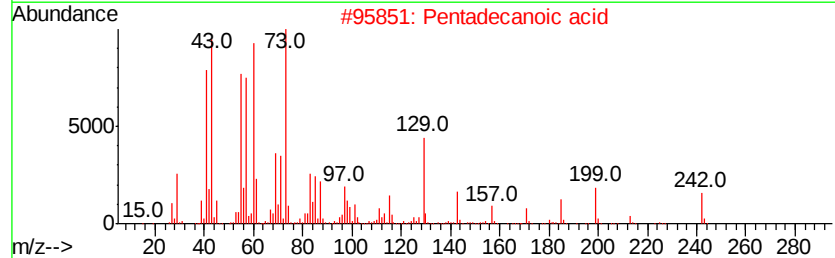
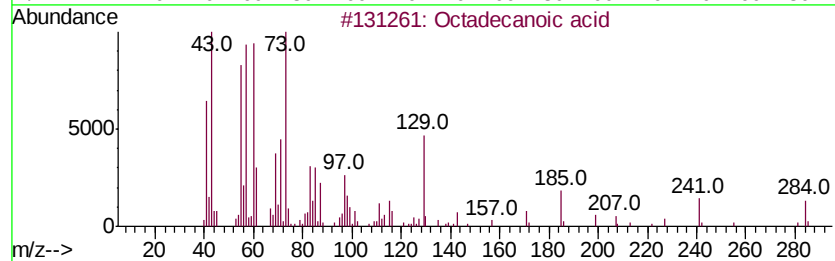
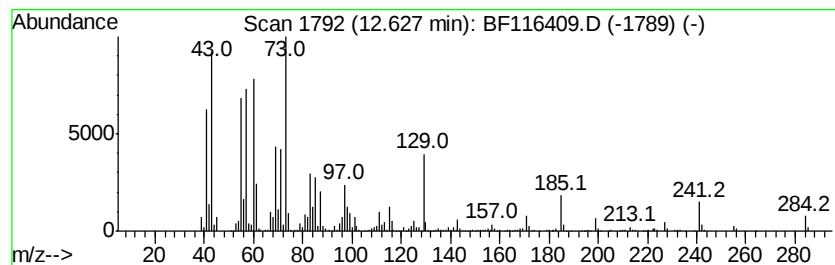
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Octadecanoic acid Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.63	11.10 ng	656455	Phenanthrene-d10		11.32	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Octadecanoic acid	284	C18H36O2	000057-11-4	99
2		Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3		Tetradecanoic acid	228	C14H28O2	000544-63-8	83
4		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	76
5		n-Decanoic acid	172	C10H20O2	000334-48-5	70



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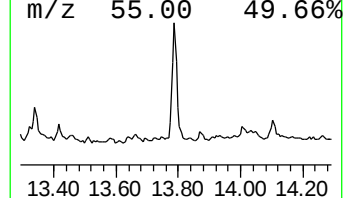
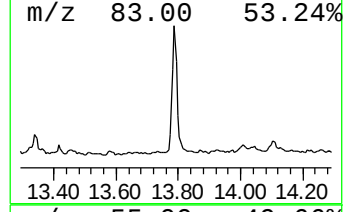
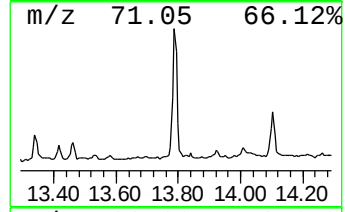
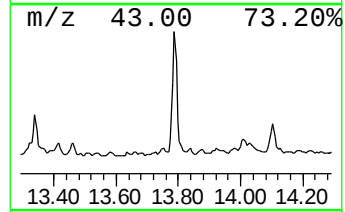
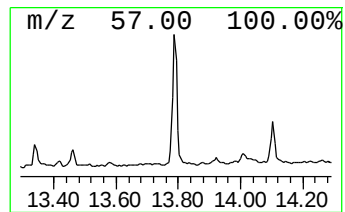
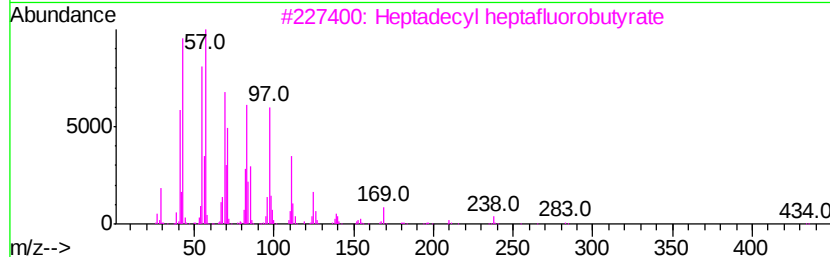
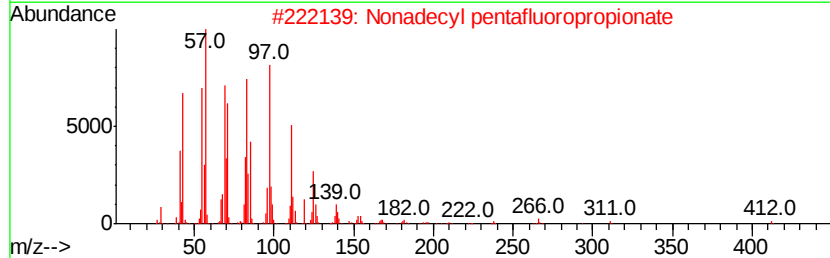
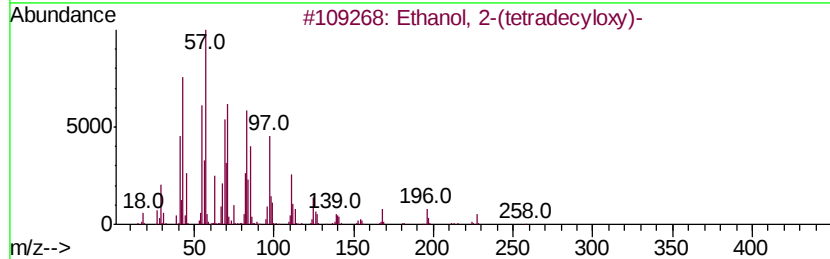
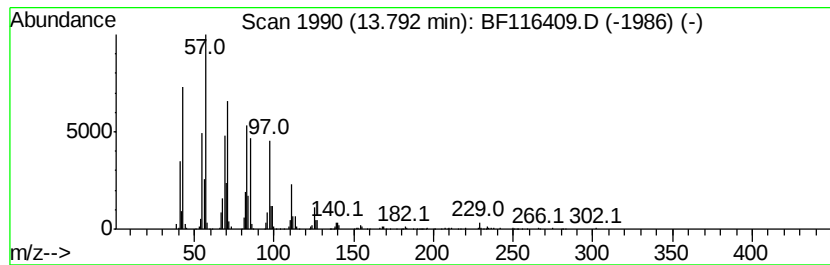
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Ethanol, 2-(tetradecyloxy)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.79	16.86 ng	701311	Chrysene-d12	13.96		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	91
2		Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	87
3		Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	81
4		n-Nonadecanol-1	284	C19H40O	001454-84-8	76
5		Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	74



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
Data File : BF116409.D
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Sample : K4223-11
Misc :
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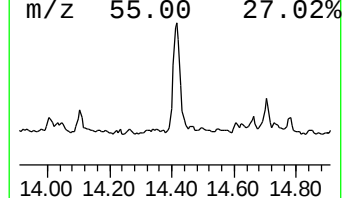
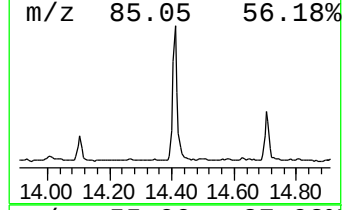
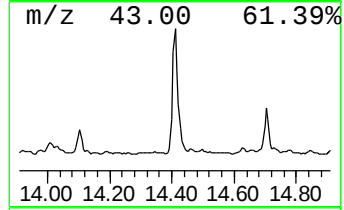
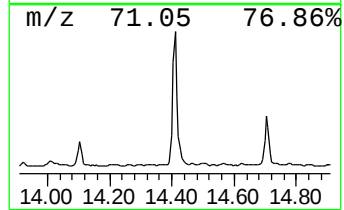
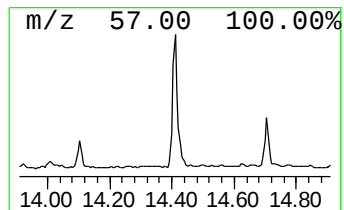
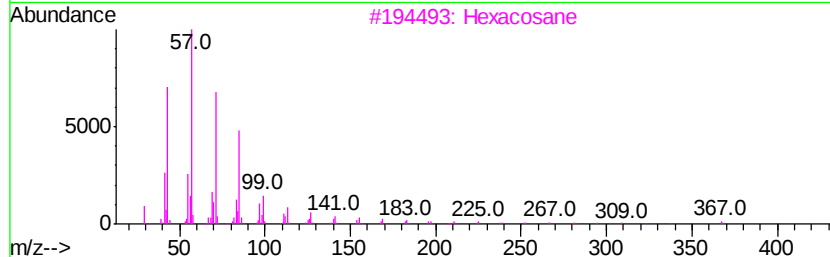
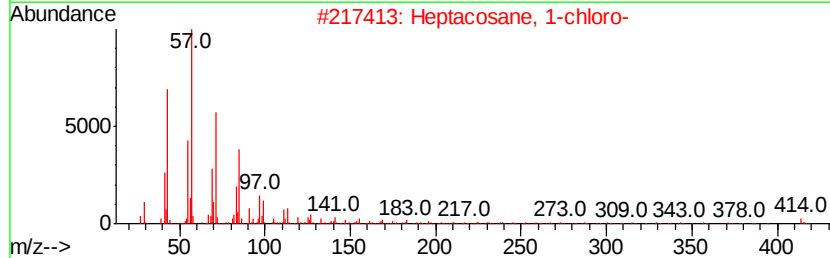
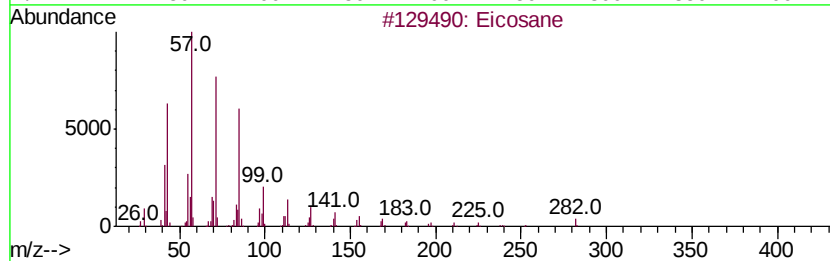
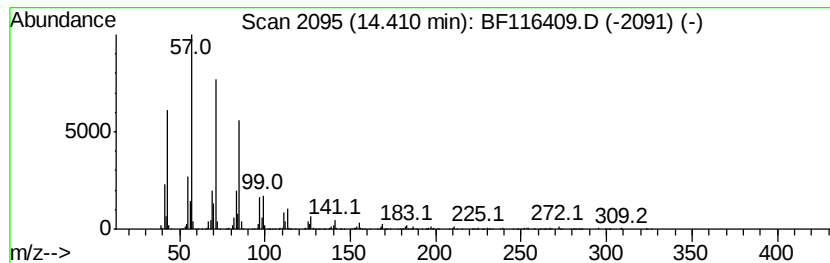
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Eicosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.41	24.32 ng	1011690	Chrysene-d12	13.96

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane		282	C20H42	000112-95-8	96
2	Heptacosane, 1-chloro-		414	C27H55Cl	062016-79-9	91
3	Hexacosane		366	C26H54	000630-01-3	87
4	2-methyloctacosane		408	C29H60	1000376-72-8	87
5	Heneicosane		296	C21H44	000629-94-7	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
Data File : BF116409.D
Acq On : 20 Aug 2019 1:05
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ALS Vial : 18 Sample Multiplier: 1

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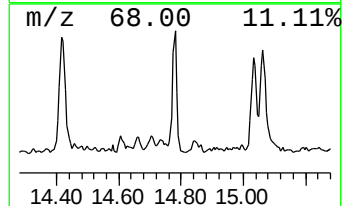
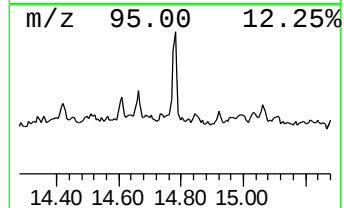
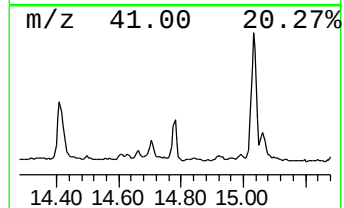
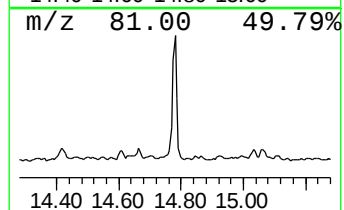
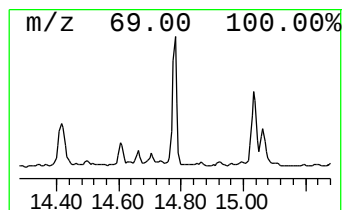
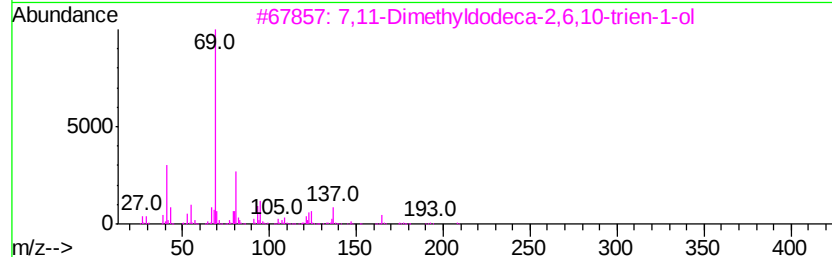
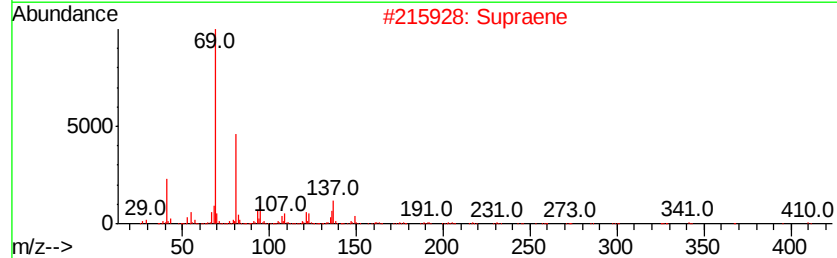
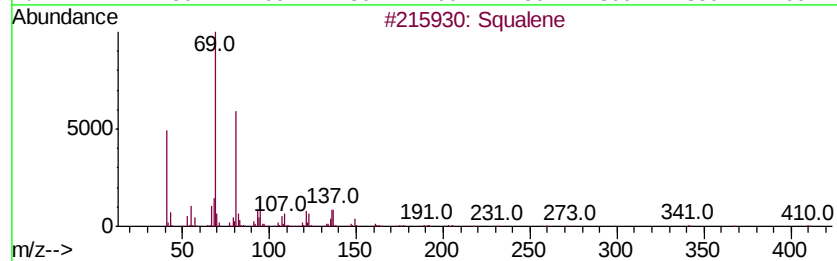
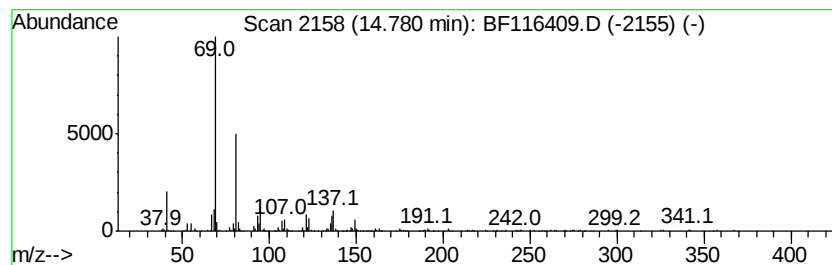
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Squalene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.78	7.83 ng	326326	Perylene-d12	15.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Squalene	410	C30H50	000111-02-4	91
2		Supraene	410	C30H50	007683-64-9	91
3		7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24	125529-10-4	72
4		2,6,10,14-Hexadecatetraen-1-ol, ...	332	C22H36O2	061691-98-3	72
5		1,5-Heptadiene, 3,3,6-trimethyl-	138	C10H18	035387-63-4	58



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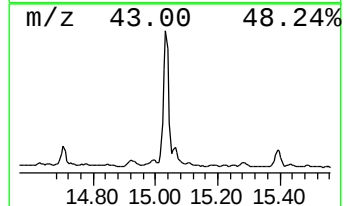
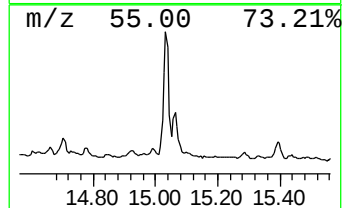
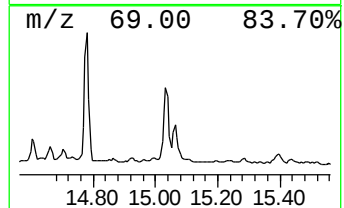
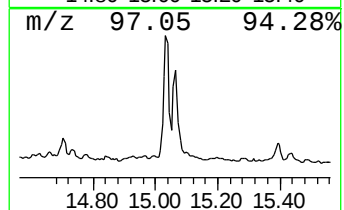
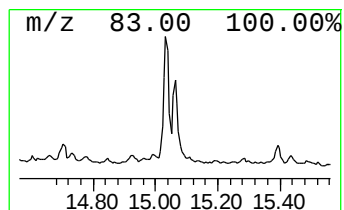
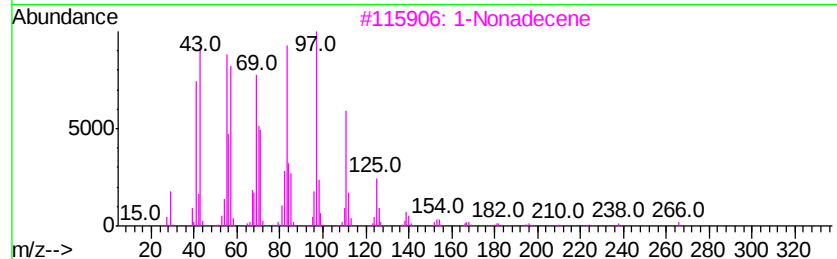
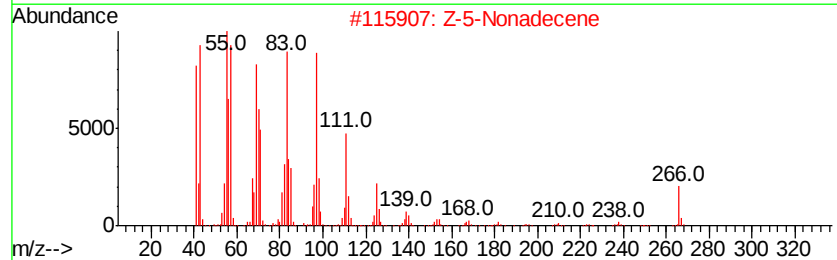
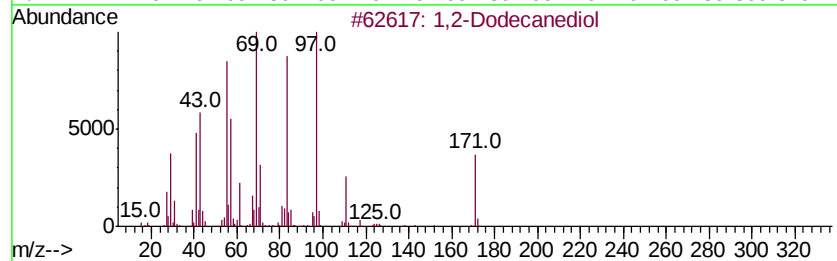
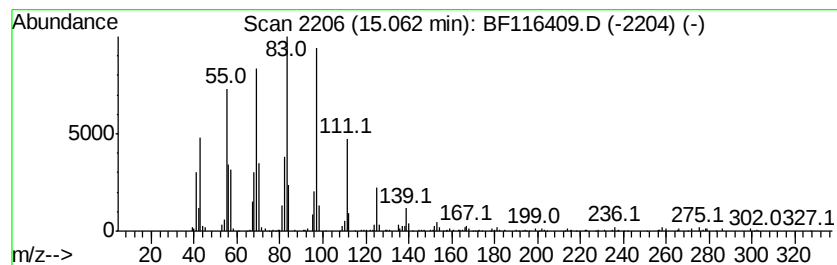
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 1,2-Dodecanediol Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	8.90 ng	370587	Perylene-d12	15.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1,2-Dodecanediol	202 C12H26O2	001119-87-5	59
2	Z-5-Nonadecene	266 C19H38	1000131-11-8	52
3	1-Nonadecene	266 C19H38	018435-45-5	49
4	1-Heneicosanol	312 C21H44O	015594-90-8	49
5	Cyclopentane, 1,1,3,4-tetramethy...	126 C9H18	020309-77-7	43



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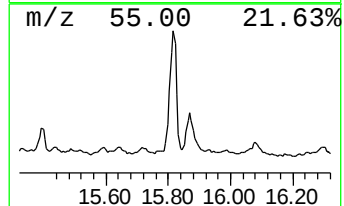
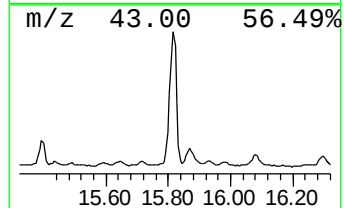
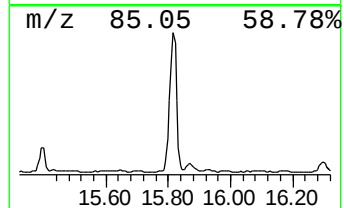
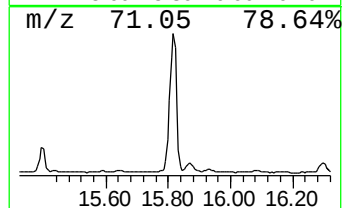
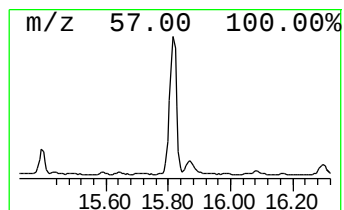
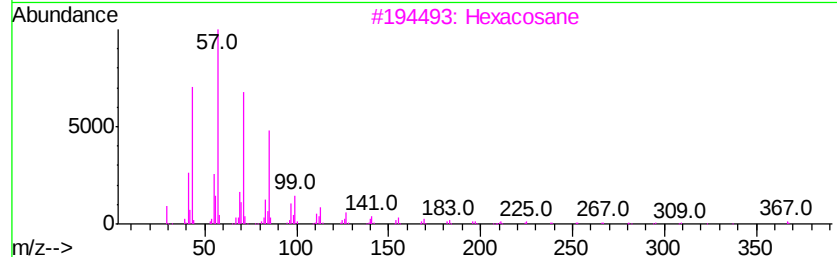
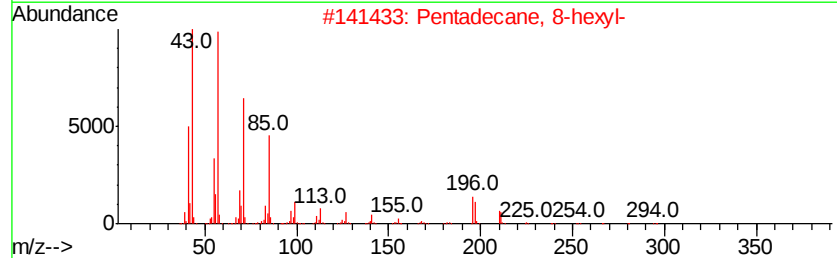
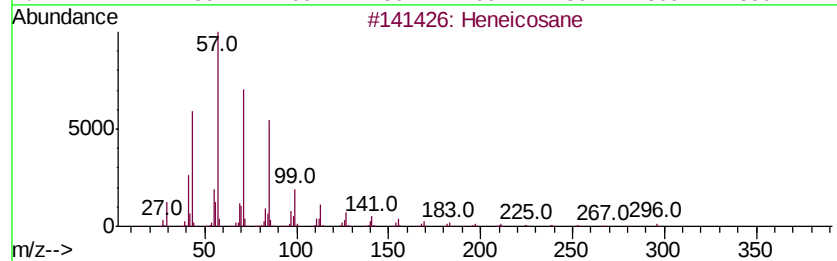
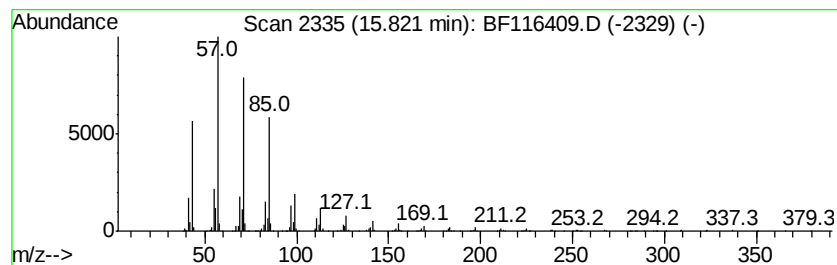
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Heneicosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.82	45.74 ng	1905080	Perylene-d12	15.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	91
2		Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	91
3		Hexacosane	366	C26H54	000630-01-3	90
4		Pentacosane	352	C25H52	000629-99-2	90
5		Eicosane, 7-hexyl-	366	C26H54	055333-99-8	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
 Data File : BF116409.D
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 ClientSampleId :
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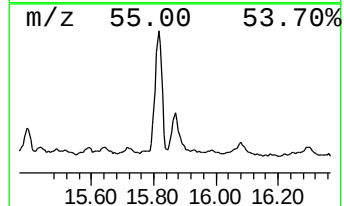
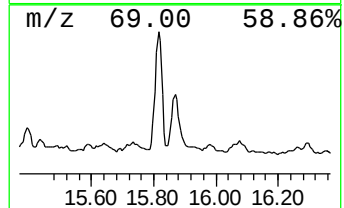
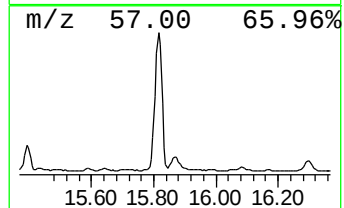
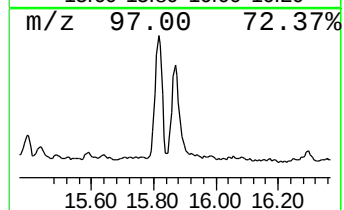
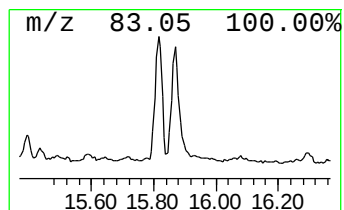
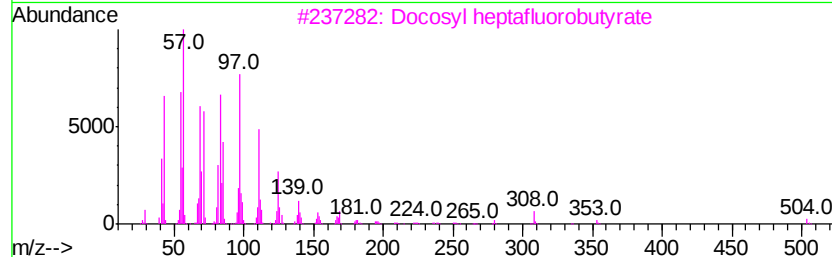
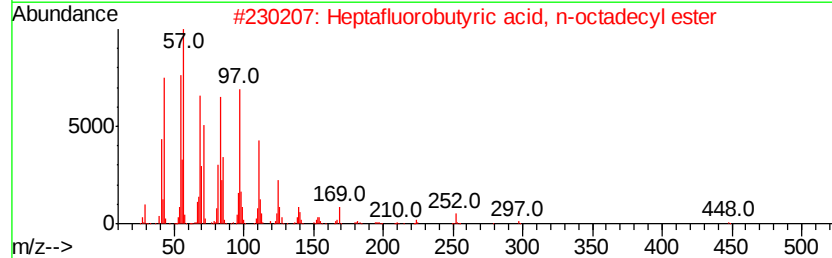
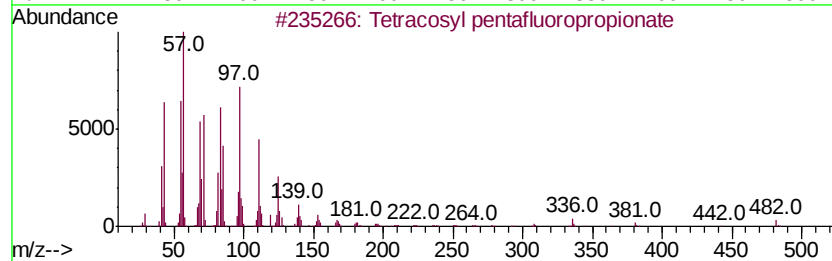
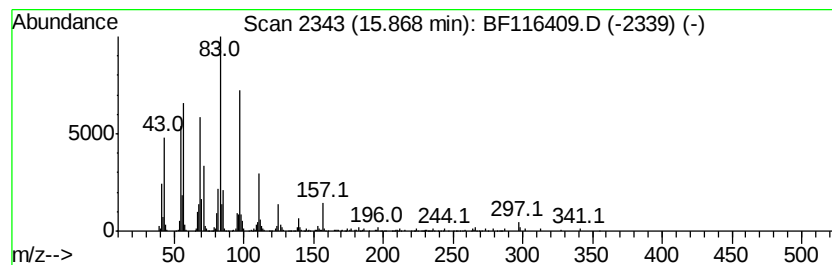
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 11 unknown15.87 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.87	9.43 ng	392651	Perylene-d12	15.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetracosyl pentafluoropropionate	500	C27H49F5O2	1000351-81-3	46
2		Heptafluorobutyric acid, n-octadecyl ester	466	C22H37F7O2	000400-57-7	45
3		Docosyl heptafluorobutyrte	522	C26H45F7O2	1000351-83-1	45
4		1-Heptacosanol	396	C27H56O	002004-39-9	43
5		Docosyl pentafluoropropionate	472	C25H45F5O2	1000351-80-9	41



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
Data File : BF116409.D
Acq On : 20 Aug 2019 1:05
Operator : HP/JU
Sample : K4223-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-6

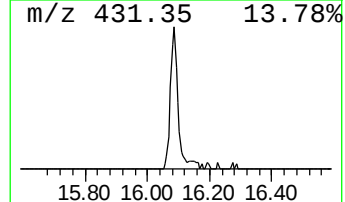
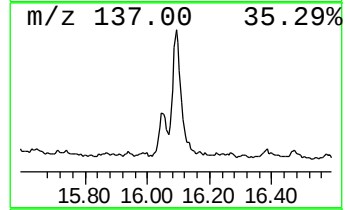
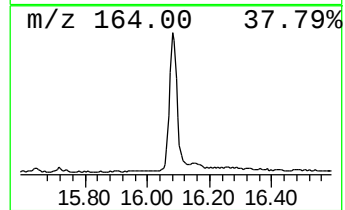
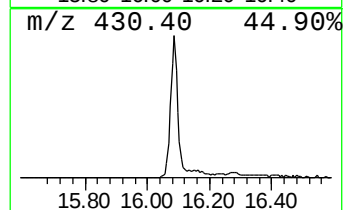
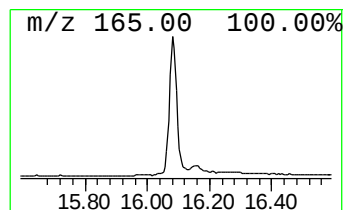
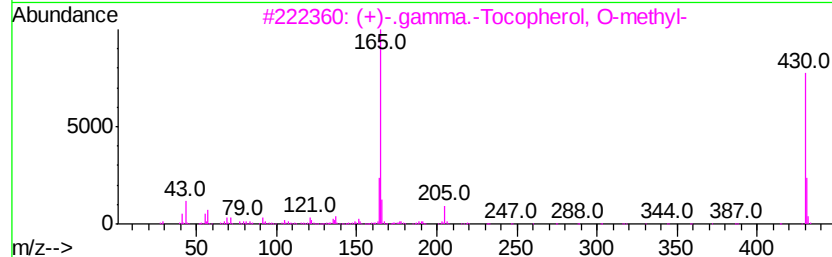
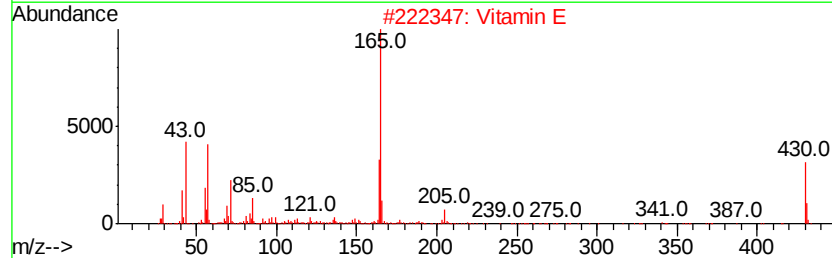
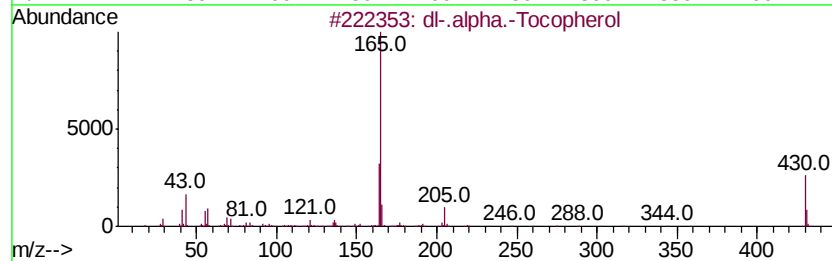
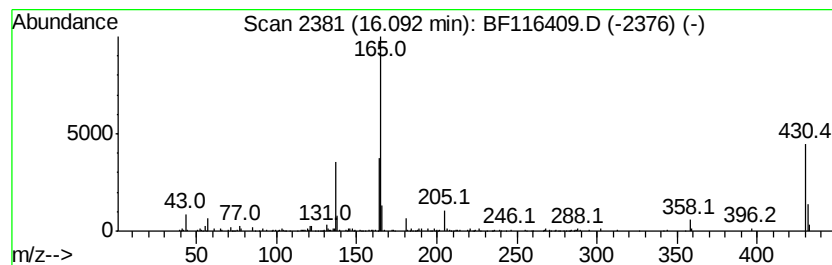
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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	12.49 ng	520375	Perylene-d12	15.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	dl-.alpha.-Tocopherol	430	C29H50O2	010191-41-0	95
2		Vitamin E	430	C29H50O2	000059-02-9	93
3		(+)-.gamma.-Tocopherol, 0-methyl-	430	C29H50O2	1000374-72-2	93
4		1,2-Benzisothiazole, 3-methoxy-	165	C8H7NOS	040991-38-6	53
5		7-Methyl-8-oxo-1,2,3,4-tetrahydr...	165	C8H11N3O	026955-10-2	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
Data File : BF116409.D
Acq On : 20 Aug 2019 1:05
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Sample : K4223-11
Misc :
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ClientSampleId :
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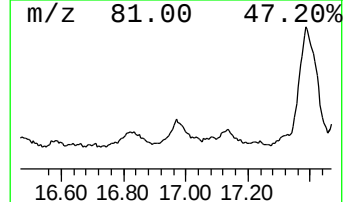
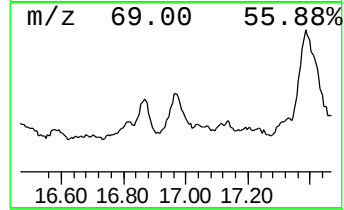
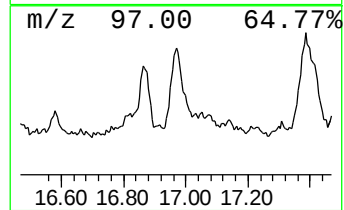
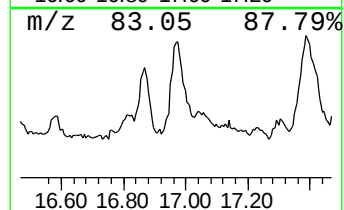
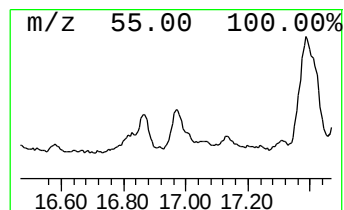
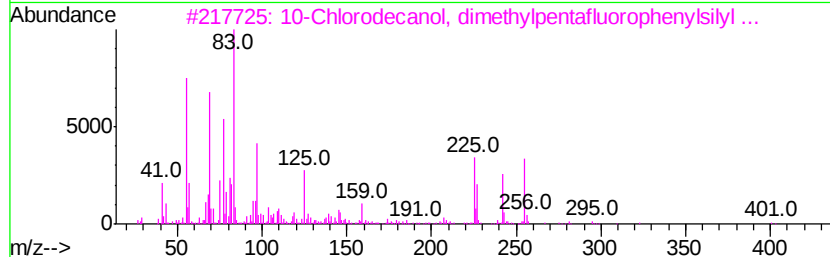
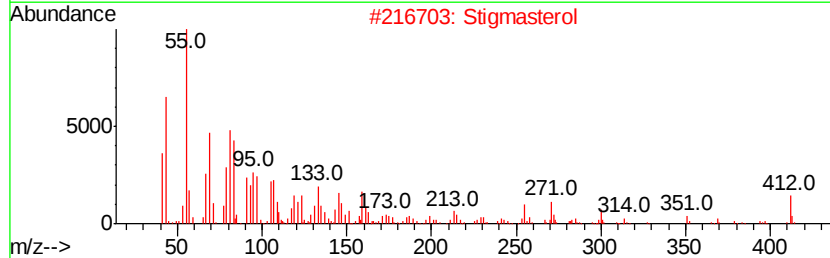
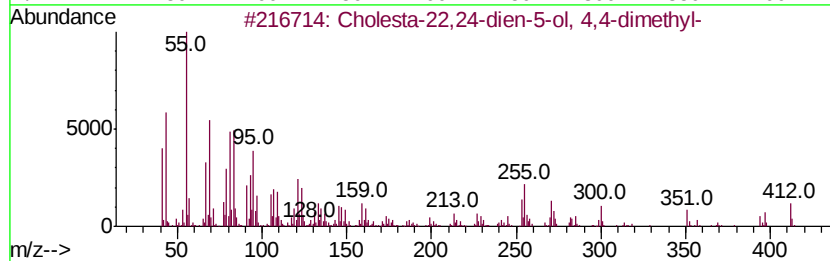
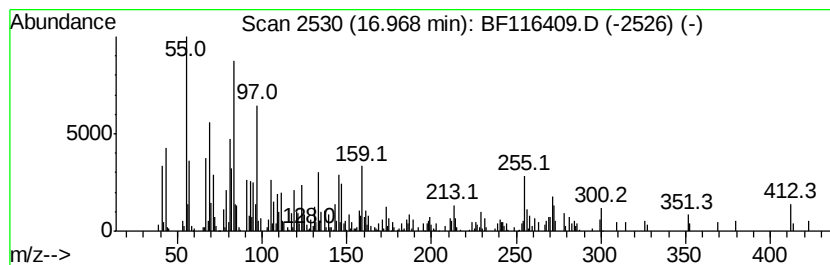
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Cholesta-22,24-dien-5-ol, 4... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.97	7.73 ng	322094	Perylene-d12	15.42

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cholesta-22,24-dien-5-ol, 4,4-di...	412	C29H48O	1000128-66-1	84
2			Stigmasterol	412	C29H48O	000083-48-7	70
3			10-Chlorodecanol, dimethylpentaf...	416	C18H26ClF5OSi	1000368-75-4	38
4			7-Heptadecene, 17-chloro-	272	C17H33Cl	056554-79-1	37
5			8-Heptadecene, 1-chloro-	272	C17H33Cl	056554-80-4	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
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Acq On : 20 Aug 2019 1:05
Operator : HP/JU
Sample : K4223-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

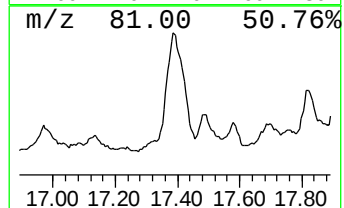
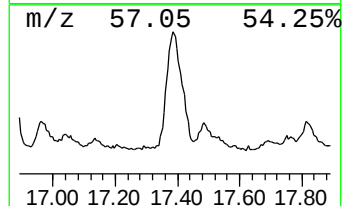
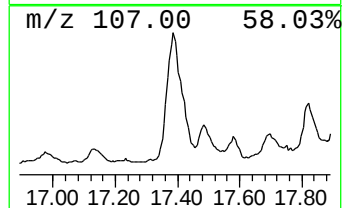
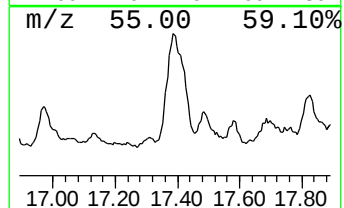
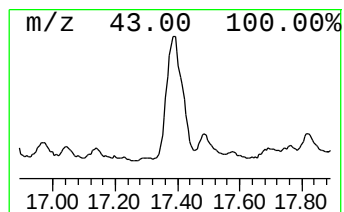
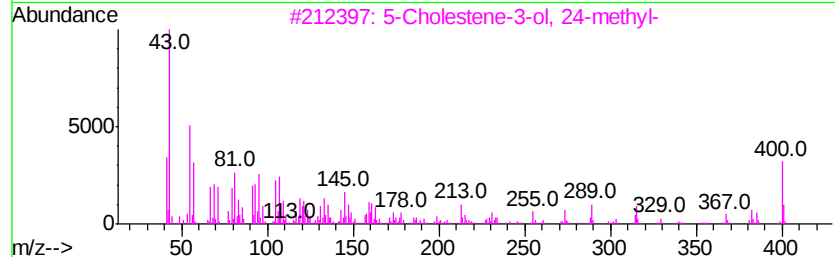
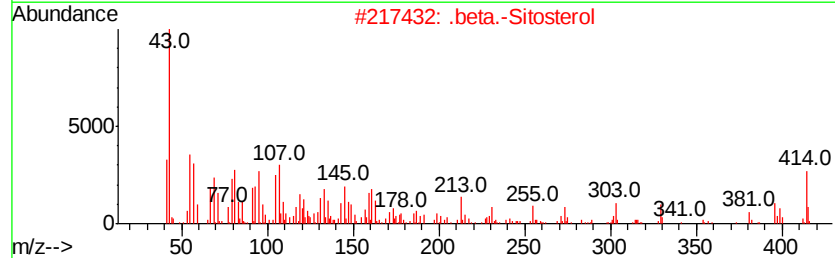
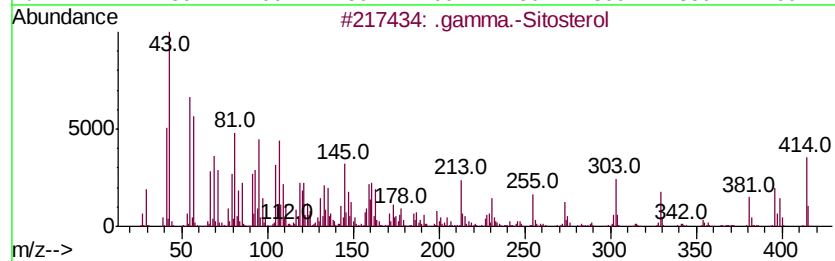
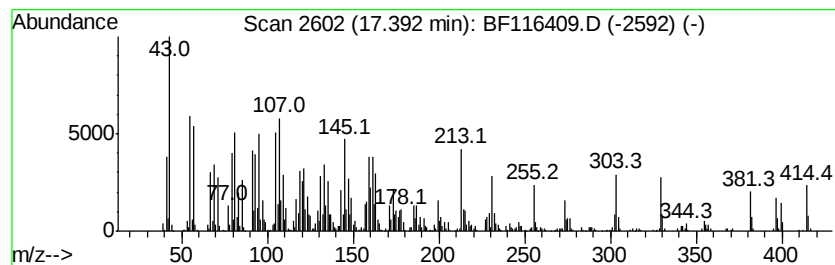
Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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	92.58 ng	3856220	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	99
3		5-Cholestene-3-ol, 24-methyl-	400	C28H48O	1000214-17-4	68
4		Ergost-5-en-3-ol, (3.beta.)-	400	C28H48O	004651-51-8	43
5		Ergost-7-en-3-ol, (3.beta.)-	400	C28H48O	026047-31-4	32



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
Data File : BF116409.D
Acq On : 20 Aug 2019 1:05
Operator : HP/JU
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Misc :
ALS Vial : 18 Sample Multiplier: 1

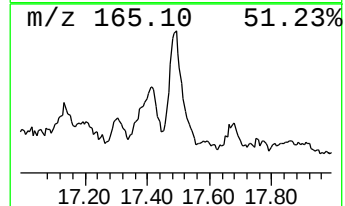
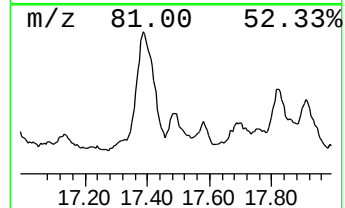
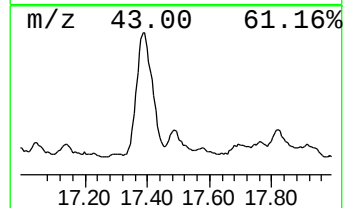
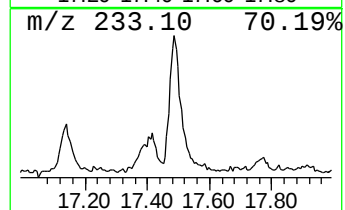
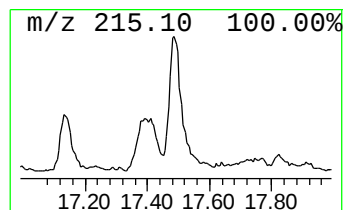
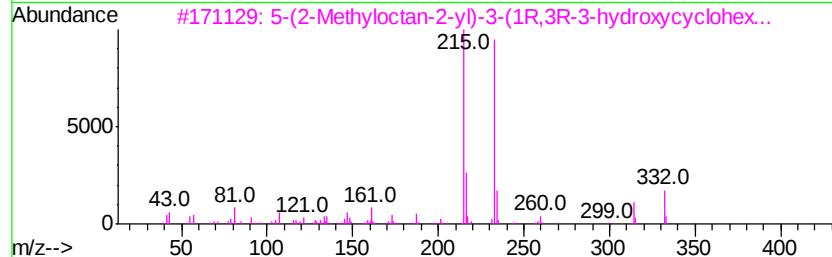
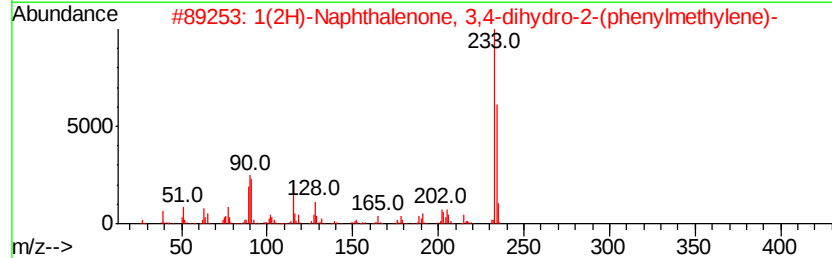
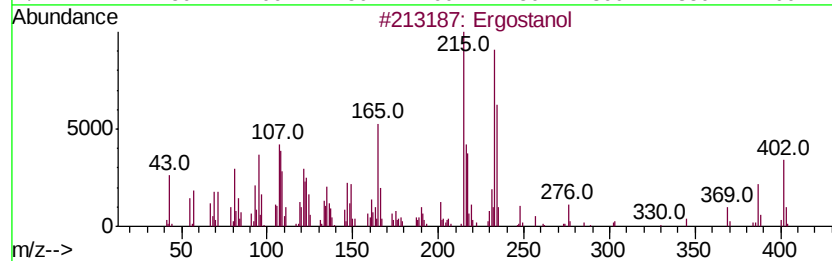
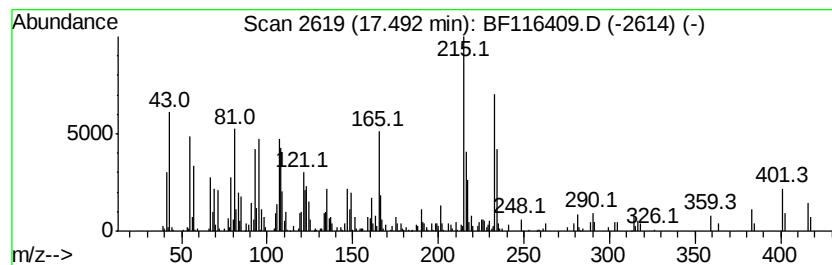
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Ergostanol Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.		
17.49	11.73 ng	488569	Perylene-d12	15.42		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Ergostanol	402	C28H50O	006538-02-9	52
2		1(2H)-Naphthalenone, 3,4-dihydro...	234	C17H14O	006261-32-1	35
3		5-(2-Methvloctan-2-yl)-3-(1R,3R-...	332	C22H36O2	070434-92-3	35
4		Stigmastanol	416	C29H52O	019466-47-8	27
5		1H-Phenanthro[9,10-d]imidazol-2-...	233	C15H11N3	037052-13-4	18



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
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Acq On : 20 Aug 2019 1:05
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Sample : K4223-11
Misc :
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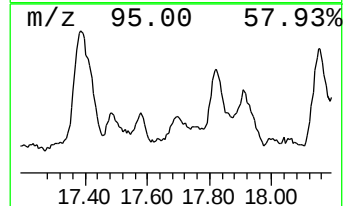
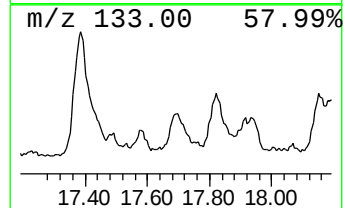
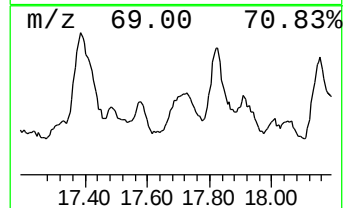
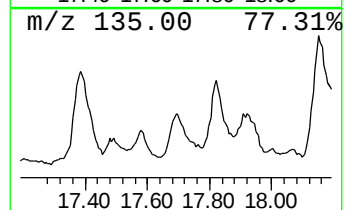
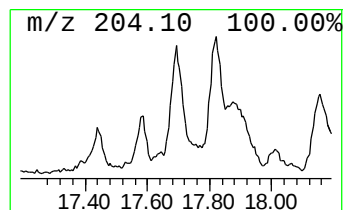
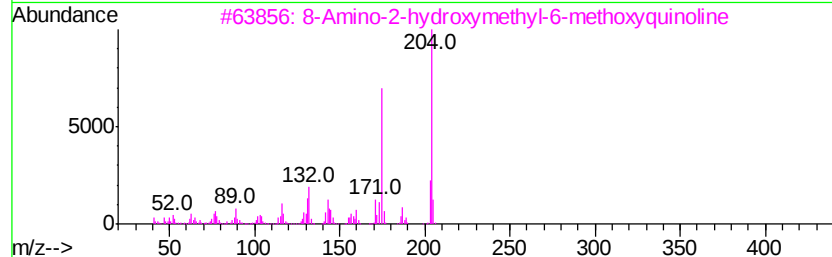
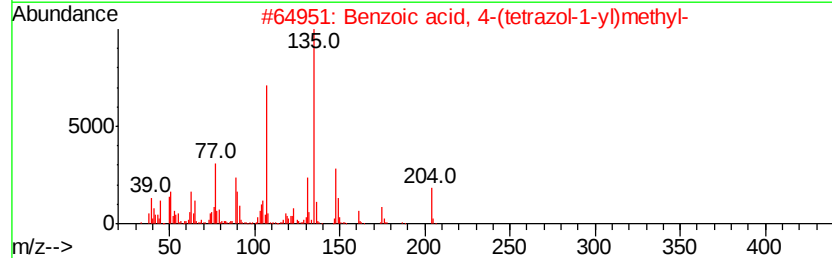
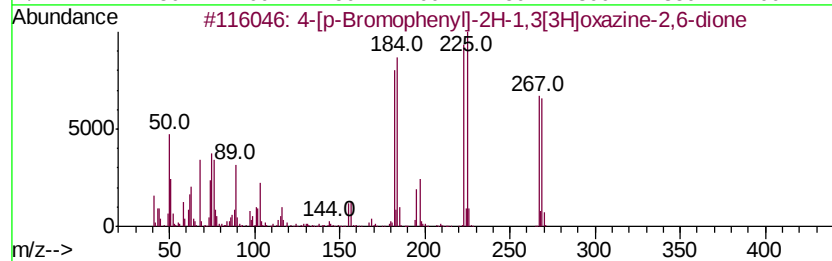
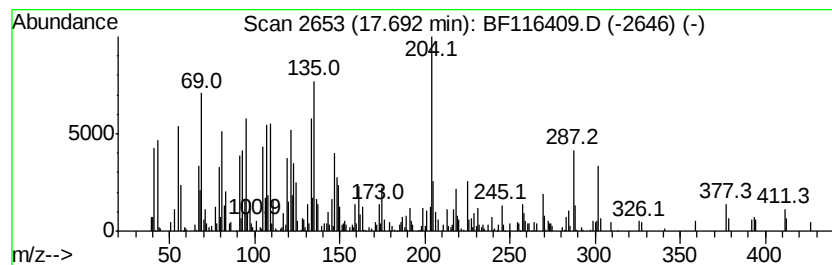
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 4-[p-Bromophenyl]-2H-1,3[3H]oxaz... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.69	14.18 ng	590631	Perylene-d12	15.42	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-[p-Bromophenyl]-2H-1,3[3H]oxaz...	267	C10H6BrN03	1000213-65-3	53
2	Benzoic acid, 4-(tetrazol-1-yl)m...	204	C9H8N4O2	1000315-95-4	30
3	8-Amino-2-hydroxymethyl-6-methox...	204	C11H12N2O2	1000214-27-5	15
4	3'-(p-Anisoyl)-1-methylspiro(ind...	309	C18H15N04	016120-56-2	15
5	1H-Indene, 2,3,3a,4-tetrahydro-3...	204	C15H24	059742-39-1	15



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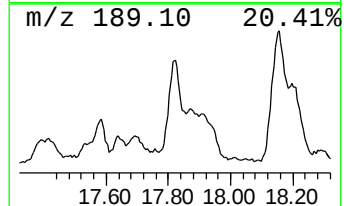
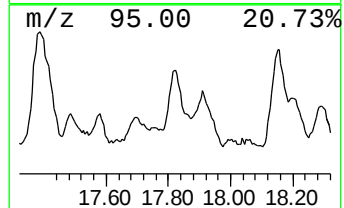
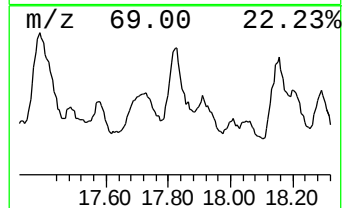
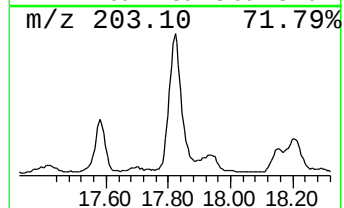
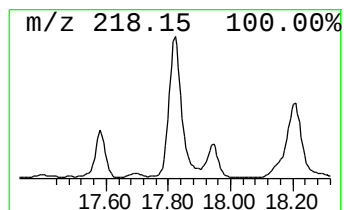
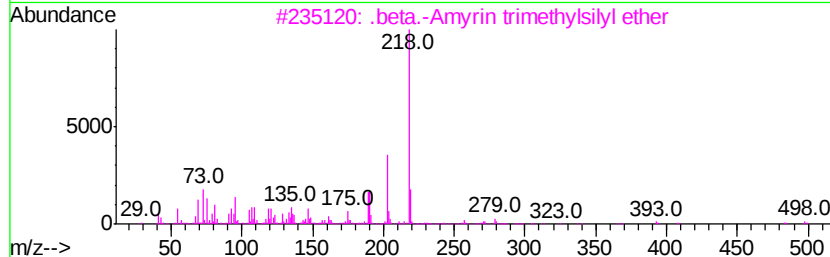
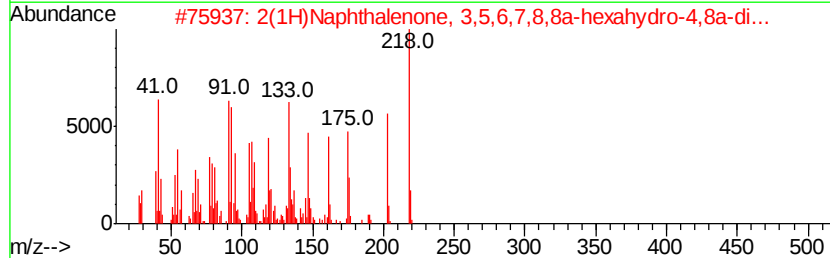
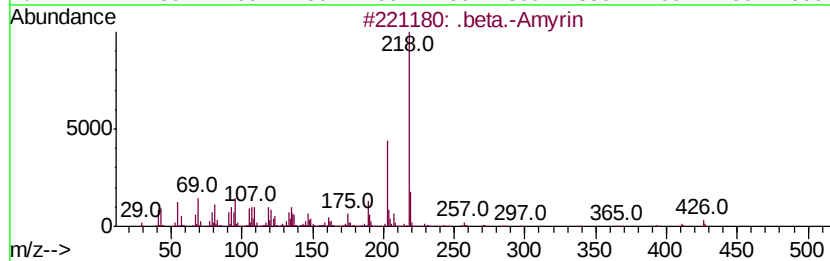
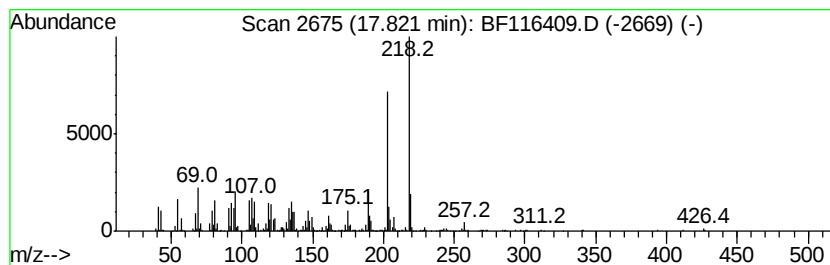
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 .beta.-Amyrin Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	29.02 ng	1208890	Perylene-d12	15.42
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		.beta.-Amyrin	426 C30H500	000559-70-6 91
2		2(1H)Naphthalenone, 3,5,6,7,8,8a...	218 C15H220	1000188-66-5 81
3		.beta.-Amyrin trimethylsilyl ether	498 C33H58OSi	001721-67-1 80
4		Olean-12-ene	410 C30H50	000471-68-1 72
5		5(1H)-Azulenone, 2,4,6,7,8,8a-he...	218 C15H220	006754-66-1 53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
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Acq On : 20 Aug 2019 1:05
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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-6

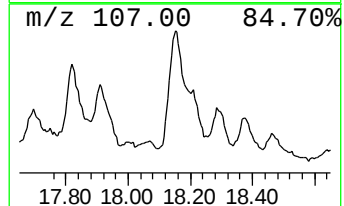
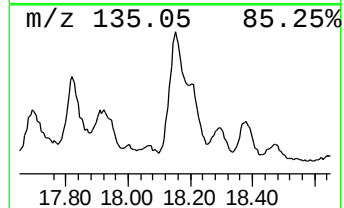
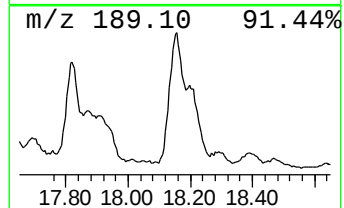
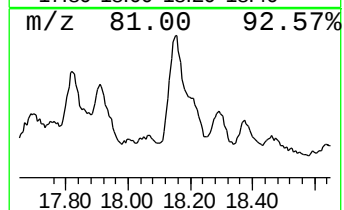
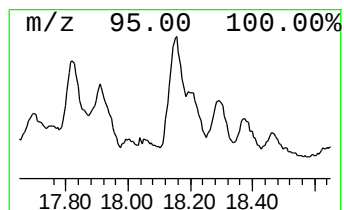
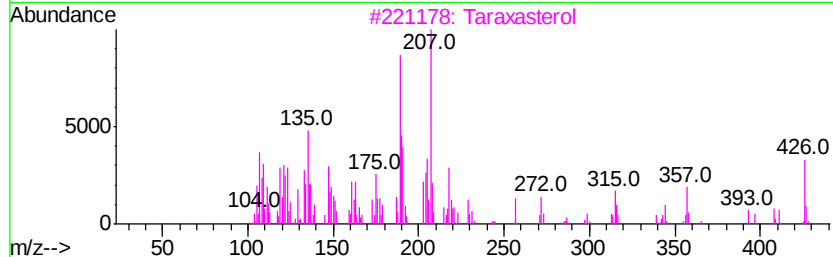
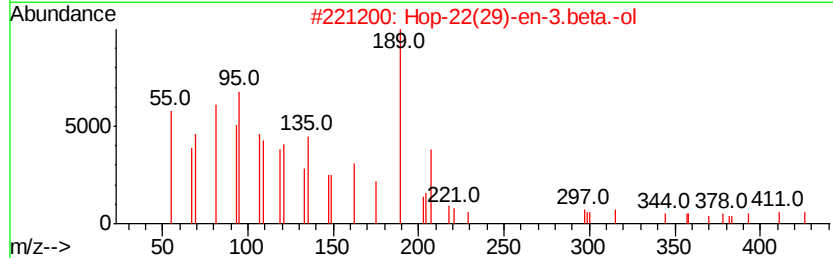
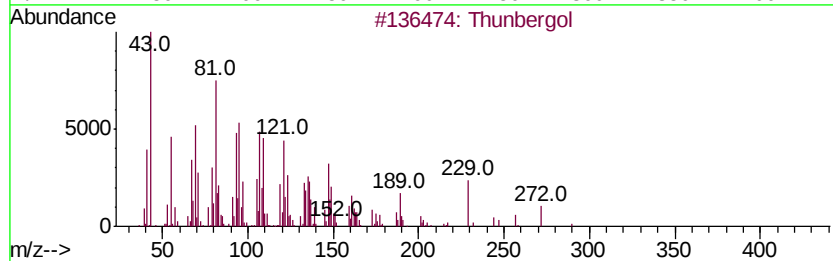
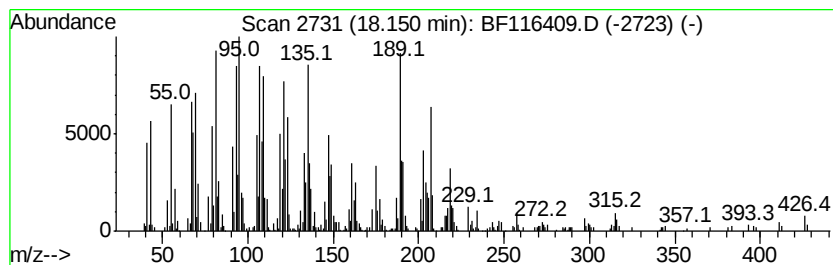
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Thunbergol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.15	42.18 ng	1756990	Perylene-d12	15.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Thunbergol	290	C20H34O	025269-17-4	90
2		Hop-22(29)-en-3.beta.-ol	426	C30H50O	058801-23-3	83
3		Taraxasterol	426	C30H50O	001059-14-9	78
4		Guaia-9,11-diene	204	C15H24	1000374-19-8	49
5		1,5-Cyclodecadiene, 1,5-dimethyl...	204	C15H24	015423-57-1	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
Data File : BF116409.D
Acq On : 20 Aug 2019 1:05
Operator : HP/JU
Sample : K4223-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-6

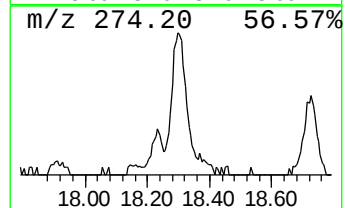
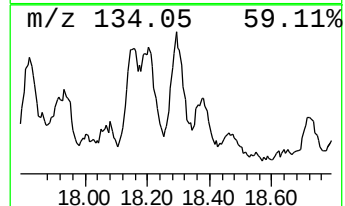
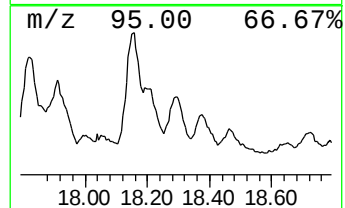
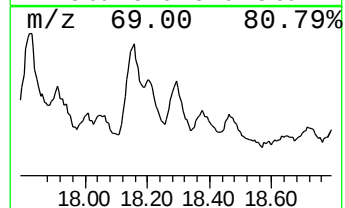
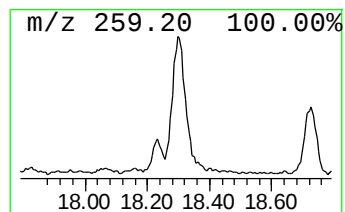
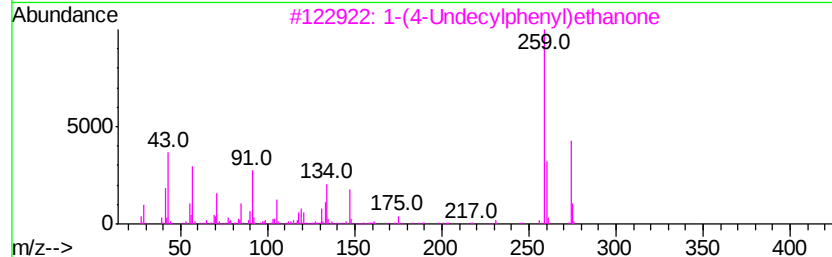
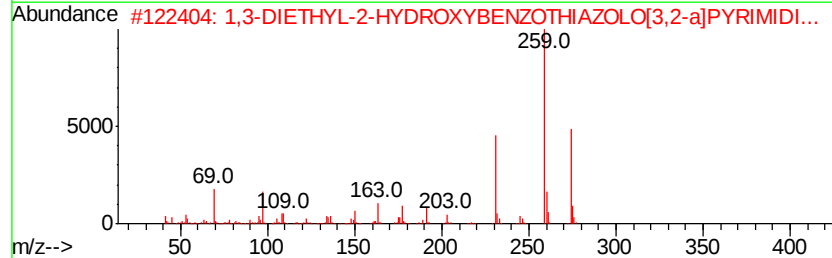
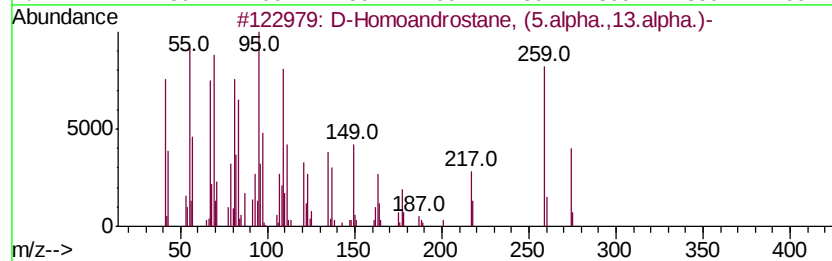
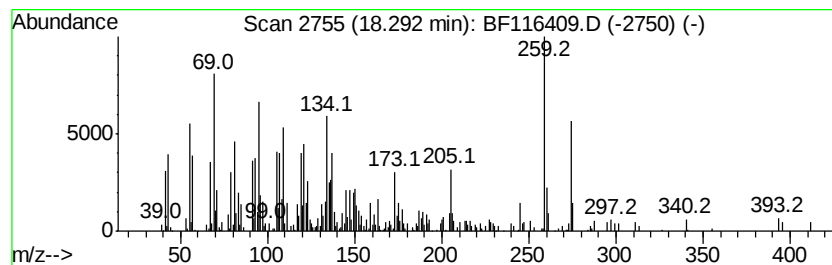
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 D-Homoandrostande, (5.alpha.... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	11.55 ng	481216	Perylene-d12	15.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	D-Homoandrostande, (5.alpha.,13.a...	274	C20H34	054482-31-4	86
2		1,3-DIETHYL-2-HYDROXYBENZOTHAZOL...	274	C14H14N2O2S	1000227-15-3	35
3		1-(4-Undecylphenyl)ethanone	274	C19H30O	1000185-92-4	35
4		10H-Phenoxaphosphine, 2-ethyl-10...	274	C15H15O3P	036360-91-5	30
5		2-Cyclohexene-1-carboxaldehyde, ...	220	C15H24O	056772-07-7	30



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081919\
Data File : BF116409.D
Acq On : 20 Aug 2019 1:05
Operator : HP/JU
Sample : K4223-11
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-6

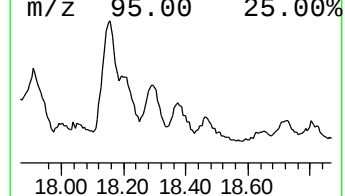
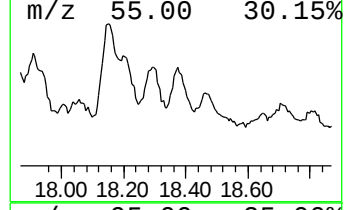
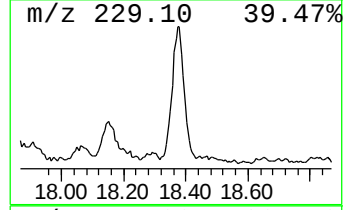
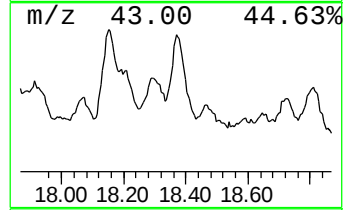
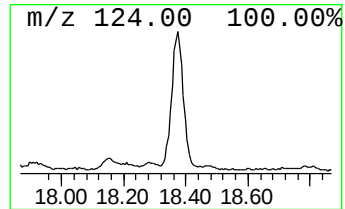
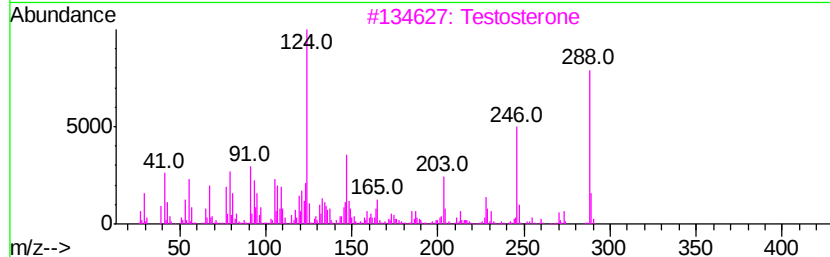
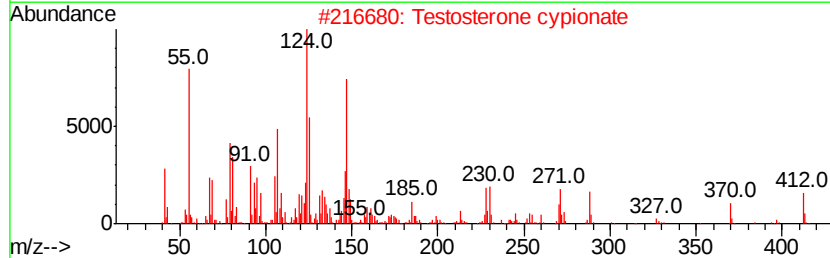
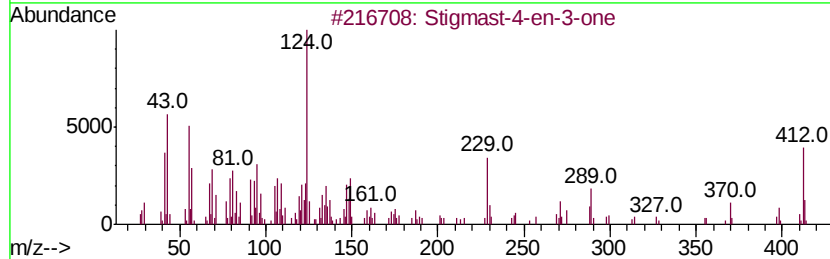
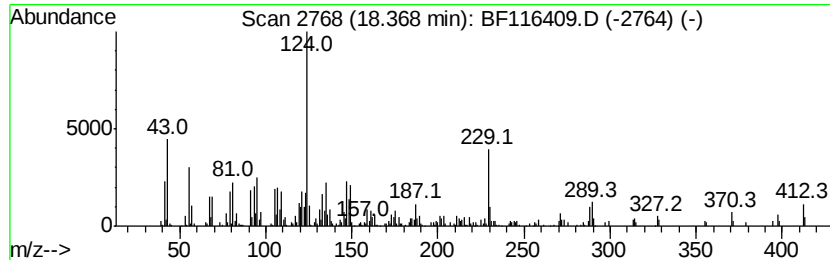
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Stigmast-4-en-3-one Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.37	16.04 ng	668028	Perylene-d12	15.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Stigmast-4-en-3-one	412	C29H48O	001058-61-3	97
2		Testosterone cypionate	412	C27H40O3	000058-20-8	80
3		Testosterone	288	C19H28O2	000058-22-0	55
4		Androst-4-en-3-one, 17-hydroxy-,...	288	C19H28O2	000604-39-7	55
5		Hexanethioic acid, (2-hexanethio...	288	C14H28N2S2	1000193-53-9	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081919\
 Data File : BF116409.D
 Acq On : 20 Aug 2019 1:05
 Operator : HP/JU
 Sample : K4223-11
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-6

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	73.8	ng	2290970	1	6.80	621207	20.0
n-Hexadecanoic acid	11.86	37.2	ng	2197500	4	11.32	1182350	20.0
Phytol	12.45	13.2	ng	781378	4	11.32	1182350	20.0
Octadecanoic acid	12.63	11.1	ng	656455	4	11.32	1182350	20.0
Ethanol, 2-(tetra...	13.79	16.9	ng	701311	5	13.96	831838	20.0
Eicosane	14.41	24.3	ng	1011690	5	13.96	831838	20.0
Squalene	14.78	7.8	ng	326326	6	15.42	833062	20.0
1,2-Dodecanediol	15.06	8.9	ng	370587	6	15.42	833062	20.0
Heneicosane	15.82	45.7	ng	1905080	6	15.42	833062	20.0
unknown15.87	15.87	9.4	ng	392651	6	15.42	833062	20.0
dl-.alpha.-Tocoph...	16.09	12.5	ng	520375	6	15.42	833062	20.0
Cholesta-22,24-di...	16.97	7.7	ng	322094	6	15.42	833062	20.0
.gamma.-Sitosterol	17.39	92.6	ng	3856220	6	15.42	833062	20.0
Ergosterol	17.49	11.7	ng	488569	6	15.42	833062	20.0
4-[p-Bromophenyl]...	17.69	14.2	ng	590631	6	15.42	833062	20.0
.beta.-Amyrin	17.82	29.0	ng	1208890	6	15.42	833062	20.0
Thunbergol	18.15	42.2	ng	1756990	6	15.42	833062	20.0
D-Homoandrostande,...	18.29	11.6	ng	481216	6	15.42	833062	20.0
Stigmast-4-en-3-one	18.37	16.0	ng	668028	6	15.42	833062	20.0