

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF052919\
 Data File : BF114643.D
 Acq On : 29 May 2019 20:03
 Operator : HP/JU
 Sample : K3041-11
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-D

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-BF052919.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	5.298	535	546	549	rBV	6625653	7131749	42.62%	2.351%
2	6.328	714	721	724	rBV	6459054	7448366	44.51%	2.456%
3	6.463	739	744	747	rBV	7289467	7547671	45.10%	2.489%
4	6.692	779	783	786	rBV	2296962	1789832	10.70%	0.590%
5	6.851	805	810	813	rBV	6498572	5642845	33.72%	1.861%
6	7.251	873	878	881	rBV	4863825	4948027	29.57%	1.631%
7	7.975	997	1001	1002	rVV	2638865	2528407	15.11%	0.834%
8	7.992	1002	1004	1008	rVV	4633469	3906118	23.34%	1.288%
9	8.681	1117	1121	1124	rVB	3361076	2973367	17.77%	0.980%
10	8.781	1132	1138	1141	rVV	1823657	1497997	8.95%	0.494%
11	9.051	1179	1184	1187	rVB	6913220	6958690	41.58%	2.294%
12	9.239	1213	1216	1222	rVB	838690	873531	5.22%	0.288%
13	9.304	1223	1227	1230	rBV	1602062	2198264	13.14%	0.725%
14	9.380	1234	1240	1242	rVV	2649551	2634922	15.75%	0.869%
15	9.404	1242	1244	1247	rVV	1227803	1108485	6.62%	0.365%
16	9.439	1247	1250	1252	rVV	1113317	810947	4.85%	0.267%
17	9.498	1256	1260	1265	rVV	1671518	1914907	11.44%	0.631%
18	9.580	1269	1274	1276	rVB2	558651	596364	3.56%	0.197%
19	9.716	1292	1297	1300	rBV3	2862235	3498478	20.91%	1.153%
20	9.751	1300	1303	1307	rVV	6628362	6201504	37.06%	2.045%
21	9.827	1311	1316	1320	rBV	519475	730866	4.37%	0.241%
22	9.875	1320	1324	1327	rBV2	665874	649116	3.88%	0.214%
23	9.922	1328	1332	1335	rVB	5423401	4792084	28.64%	1.580%
24	9.963	1336	1339	1342	rBV	830906	680012	4.06%	0.224%
25	10.033	1347	1351	1354	rVB2	662831	708845	4.24%	0.234%
26	10.063	1354	1356	1362	rVB	858228	711408	4.25%	0.235%
27	10.127	1362	1367	1368	rBV2	598926	644478	3.85%	0.212%
28	10.269	1386	1391	1396	rVV	6834416	7403810	44.24%	2.441%
29	10.310	1396	1398	1400	rVV	606904	663656	3.97%	0.219%
30	10.327	1400	1401	1403	rVV	968076	800889	4.79%	0.264%
31	10.345	1403	1404	1407	rVV	1562028	1273608	7.61%	0.420%
32	10.392	1410	1412	1414	rVV	986561	853535	5.10%	0.281%
33	10.422	1414	1417	1422	rVB	2194727	1915394	11.45%	0.632%
34	10.504	1426	1431	1435	rVV2	6426245	7186494	42.94%	2.369%

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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-BF052919.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.622	1447	1451	1455	rBV4	426474	588837	3.52%	0.194%
36	10.692	1459	1463	1467	rBV3	816317	884573	5.29%	0.292%
37	10.804	1476	1482	1485	rBV3	1433457	2133131	12.75%	0.703%
38	10.833	1485	1487	1490	rVV	766964	596759	3.57%	0.197%
39	10.886	1494	1496	1500	rVB	652053	627966	3.75%	0.207%
40	10.957	1506	1508	1510	rVV2	676963	590986	3.53%	0.195%
41	11.051	1520	1524	1527	rBV2	930129	1209633	7.23%	0.399%
42	11.086	1527	1530	1533	rVV	2651345	2494301	14.91%	0.822%
43	11.198	1543	1549	1550	rBV	2595592	3204425	19.15%	1.057%
44	11.233	1550	1555	1557	rVV	10834602	16734632	100.00%	5.518%
45	11.274	1557	1562	1564	rVV	7001057	6075910	36.31%	2.003%
46	11.304	1564	1567	1570	rVV3	973013	1010014	6.04%	0.333%
47	11.416	1584	1586	1590	rVV	1679608	1514764	9.05%	0.499%
48	11.692	1627	1633	1635	rBV	2390387	2276140	13.60%	0.750%
49	11.721	1635	1638	1640	rVV	3164001	2783629	16.63%	0.918%
50	11.745	1640	1642	1644	rVV	1252815	1172032	7.00%	0.386%
51	11.769	1644	1646	1649	rVV	1576587	1312598	7.84%	0.433%
52	11.804	1649	1652	1654	rVV	3671634	3652246	21.82%	1.204%
53	11.827	1654	1656	1658	rVV	1367359	1083904	6.48%	0.357%
54	11.986	1680	1683	1690	rVB	1565193	1434187	8.57%	0.473%
55	12.057	1692	1695	1701	rVV2	1710229	1806245	10.79%	0.596%
56	12.151	1706	1711	1716	rVB2	3597721	3618192	21.62%	1.193%
57	12.245	1722	1727	1730	rBV2	671682	979854	5.86%	0.323%
58	12.410	1751	1755	1758	rBV	8259624	7877349	47.07%	2.597%
59	12.457	1758	1763	1766	rBV	7304645	7381873	44.11%	2.434%
60	12.521	1771	1774	1776	rVV	746946	735113	4.39%	0.242%
61	12.627	1786	1792	1794	rVV3	5680649	7044529	42.10%	2.323%
62	12.645	1794	1795	1798	rVV2	882600	680325	4.07%	0.224%
63	12.674	1798	1800	1806	rVB2	483235	597752	3.57%	0.197%
64	12.733	1807	1810	1813	rBV2	862419	1048779	6.27%	0.346%
65	12.774	1813	1817	1821	rVV	6813577	7039205	42.06%	2.321%
66	12.921	1837	1842	1845	rVV	8645628	9812205	58.63%	3.235%
67	12.957	1845	1848	1850	rVV	1207422	1151838	6.88%	0.380%
68	13.021	1855	1859	1862	rVV	1545842	1365063	8.16%	0.450%
69	13.604	1954	1958	1967	rVB4	1794931	2401211	14.35%	0.792%
70	13.680	1967	1971	1978	rBV2	1495640	1692700	10.11%	0.558%
71	13.810	1989	1993	1996	rVV3	3415219	4273349	25.54%	1.409%

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ClientSampleId :
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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.M
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72	13.839	1996	1998	2000	rVB	1024058	783376	4.68%	0.258%
73	14.315	2076	2079	2082	rBV	1606640	1573030	9.40%	0.519%
74	14.739	2147	2151	2159	rVB	1979342	1962624	11.73%	0.647%
75	14.939	2178	2185	2192	rBV3	4395384	6941492	41.48%	2.289%
76	15.198	2224	2229	2233	rBV	2003755	2230915	13.33%	0.736%
77	15.451	2267	2272	2281	rVB	1180921	1639736	9.80%	0.541%
78	15.668	2304	2309	2312	rBV	1505738	2205036	13.18%	0.727%
79	15.704	2312	2315	2324	rVB	1194050	1834564	10.96%	0.605%
80	15.862	2336	2342	2354	rBV3	3359417	6496379	38.82%	2.142%
81	16.051	2364	2374	2377	rBV	1955309	3751110	22.42%	1.237%
82	16.086	2377	2380	2385	rVV2	1470894	2239397	13.38%	0.738%
83	16.280	2408	2413	2420	rVB4	307112	623502	3.73%	0.206%
84	16.386	2424	2431	2443	rVB2	1294452	2971929	17.76%	0.980%
85	16.527	2448	2455	2459	rBV2	884341	1793724	10.72%	0.591%
86	16.651	2472	2476	2483	rVB4	656799	1381173	8.25%	0.455%
87	16.751	2487	2493	2498	rBV6	383527	984044	5.88%	0.324%
88	16.880	2506	2515	2525	rVV	3931796	9192465	54.93%	3.031%
89	17.092	2544	2551	2552	rBV3	778237	1309164	7.82%	0.432%
90	17.133	2553	2558	2563	rVV2	2055109	4961665	29.65%	1.636%
91	17.192	2563	2568	2577	rVB	2817879	5638104	33.69%	1.859%
92	17.292	2577	2585	2591	rBV	2174249	4700059	28.09%	1.550%
93	17.451	2605	2612	2615	rBV2	681694	1582815	9.46%	0.522%
94	17.503	2615	2621	2627	rVV	2273257	5543931	33.13%	1.828%
95	17.609	2631	2639	2654	rVB4	2545072	7622548	45.55%	2.513%
96	17.815	2664	2674	2689	rVB2	2000346	6738648	40.27%	2.222%
97	18.062	2702	2716	2727	rBV3	537940	1663071	9.94%	0.548%
98	18.262	2742	2750	2760	rBV7	447920	1390433	8.31%	0.458%
99	18.509	2786	2792	2804	rVV7	241189	856622	5.12%	0.282%
100	18.615	2806	2810	2822	rVB7	218713	572572	3.42%	0.189%

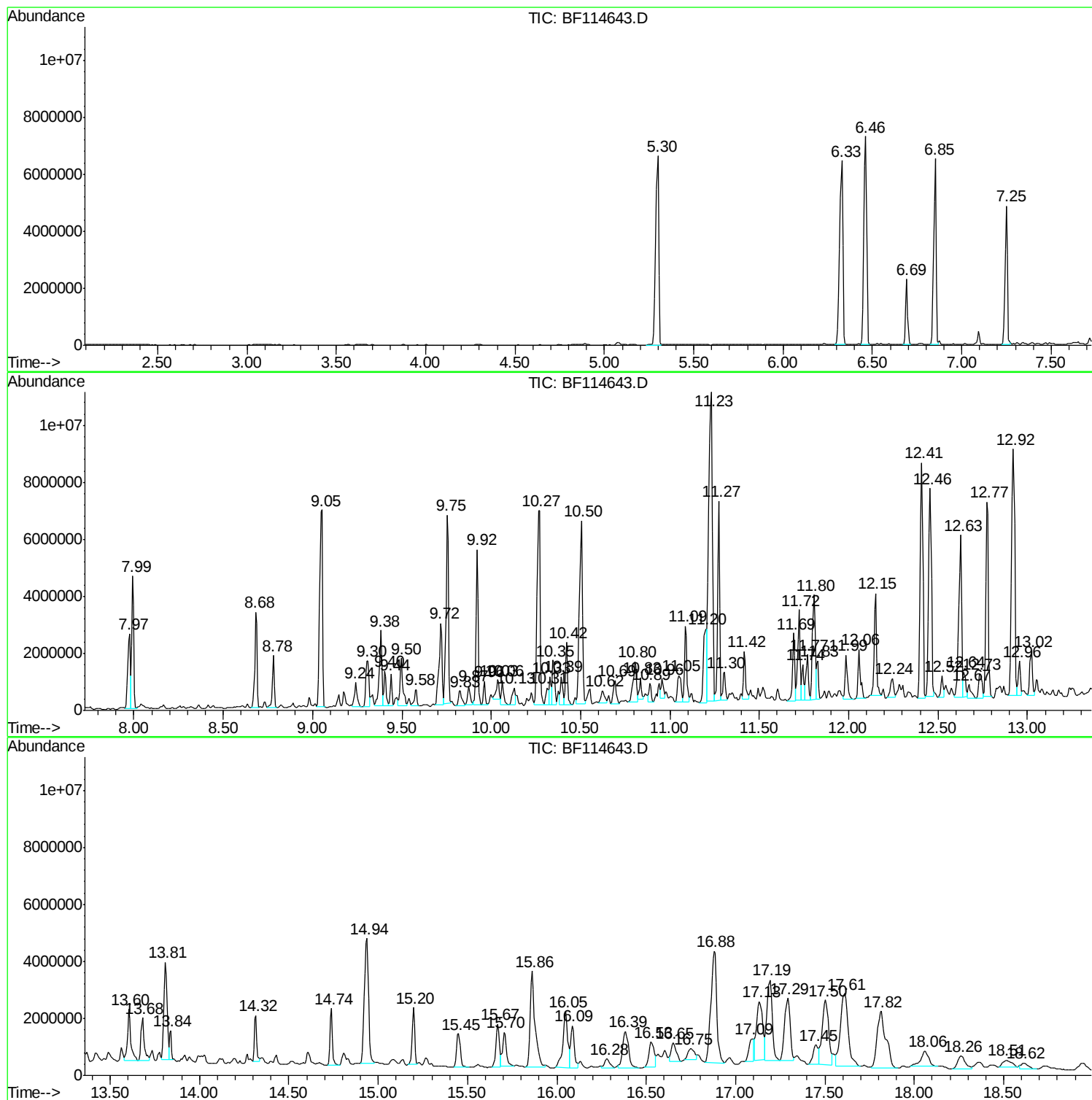
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Instrument :
BNA_F
ClientSampled :
TP-2-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.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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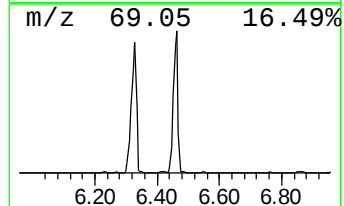
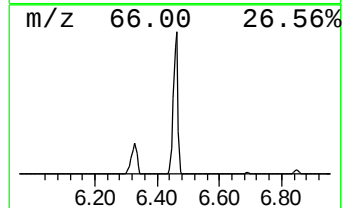
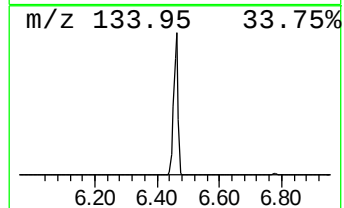
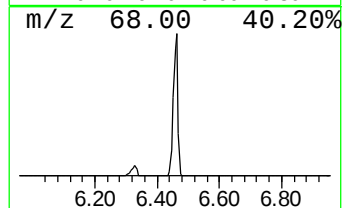
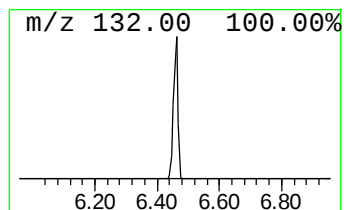
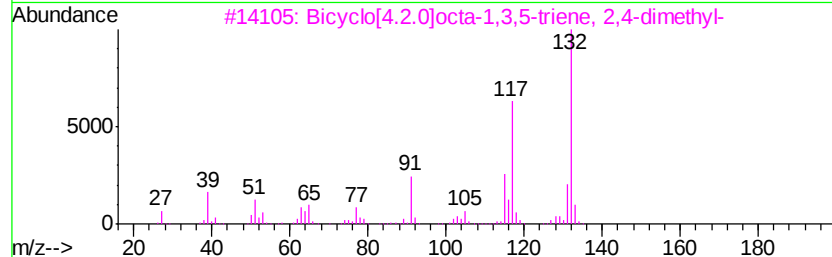
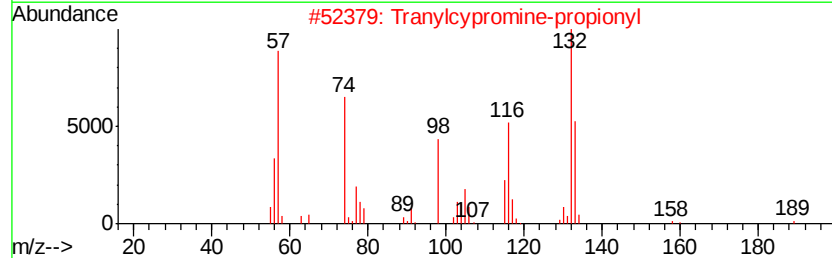
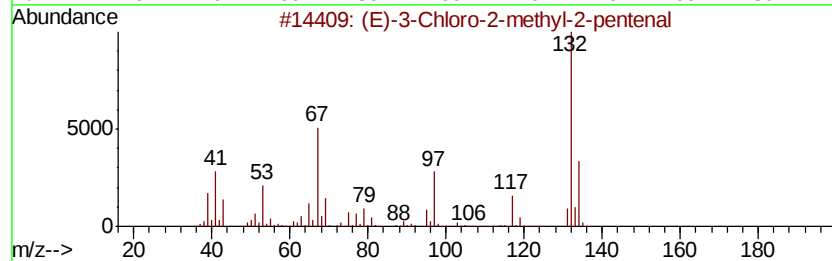
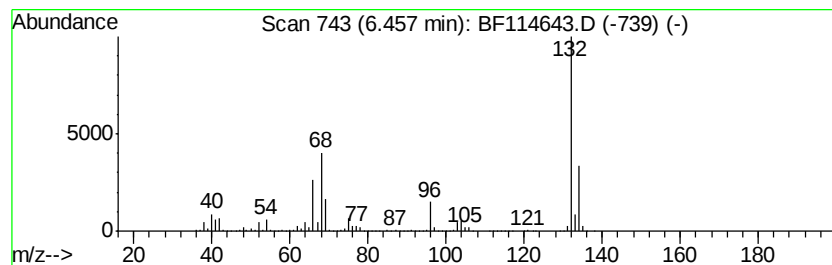
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.46 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.46	84.34 ng	7547670	1,4-Dichlorobenzene-d4	6.69

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
2		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	12
3		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9



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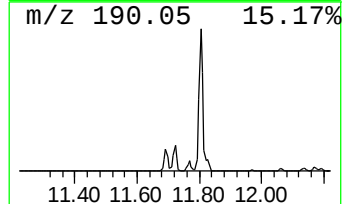
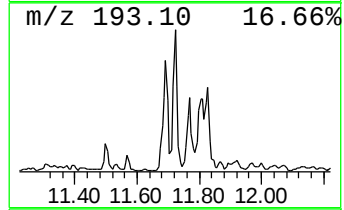
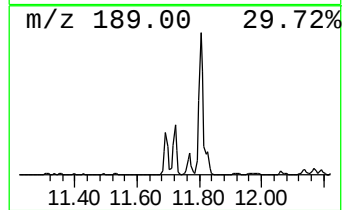
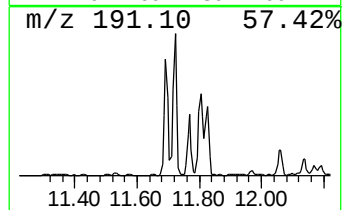
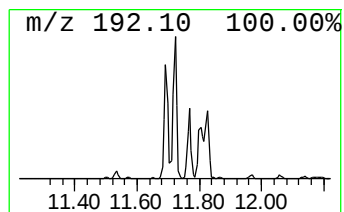
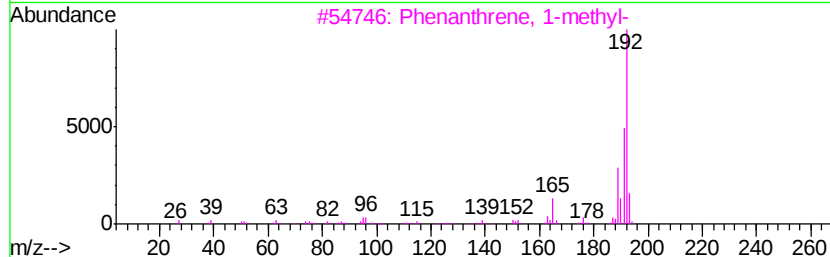
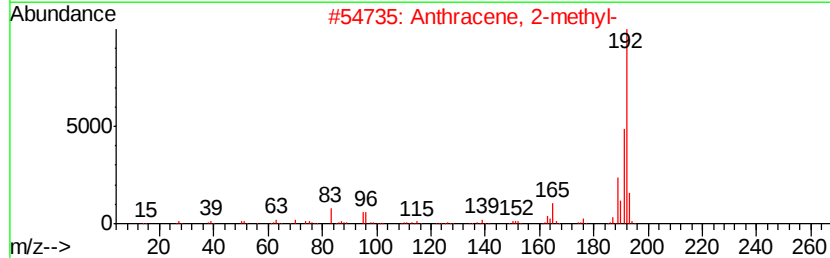
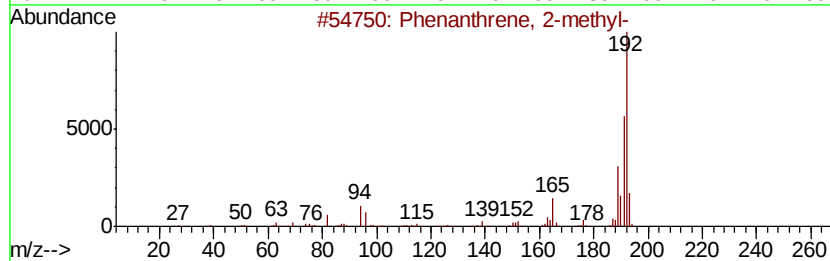
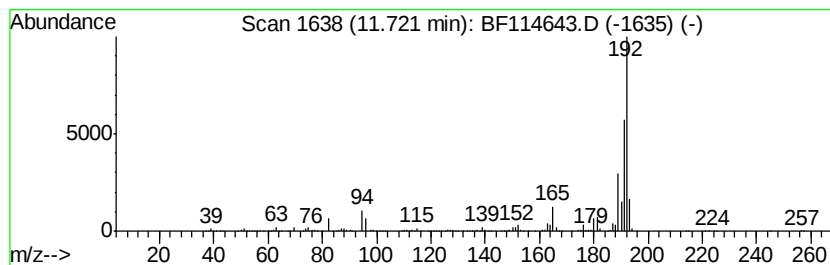
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	17.37 ng	2783630	Phenanthrene-d10	11.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	95
5		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94



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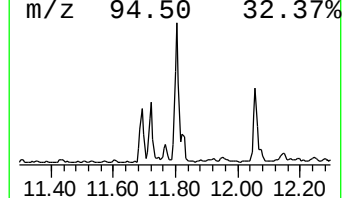
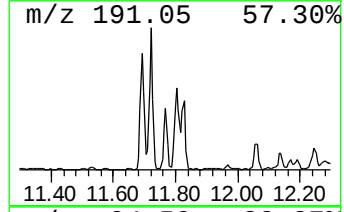
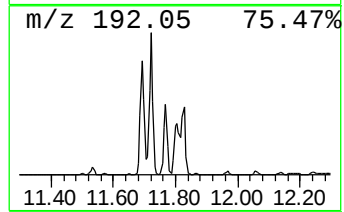
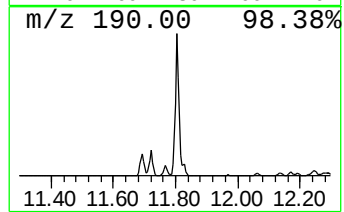
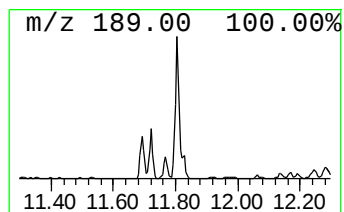
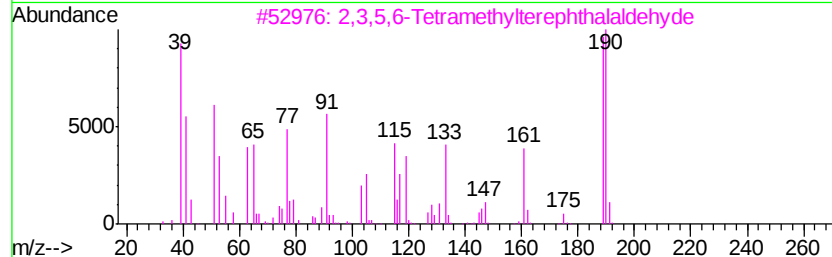
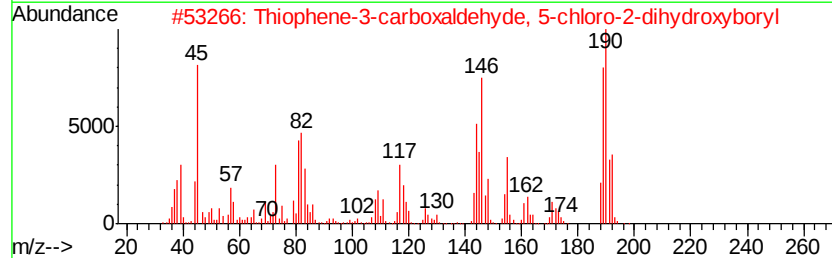
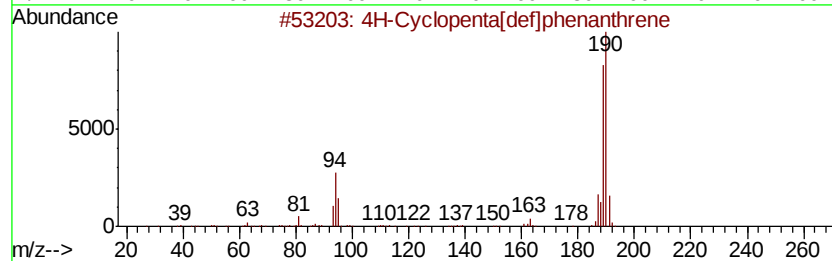
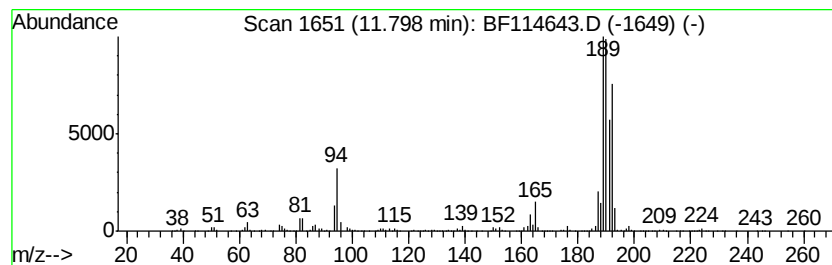
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	22.80 ng	3652250	Phenanthrene-d10	11.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	95
2		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
4		Methyl diselenide	190	C2H6Se2	007101-31-7	46
5		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052919\
Data File : BF114643.D
Acq On : 29 May 2019 20:03
Operator : HP/JU
Sample : K3041-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

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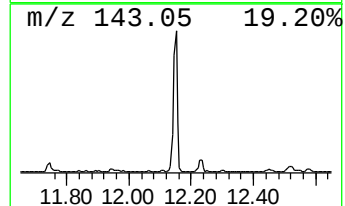
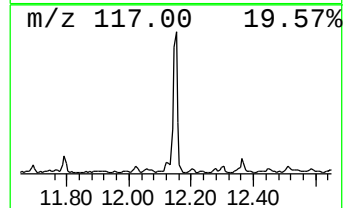
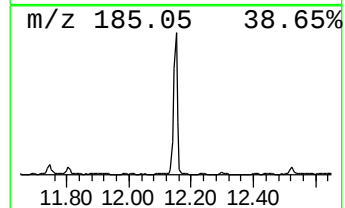
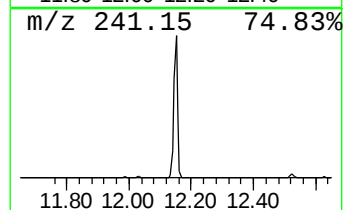
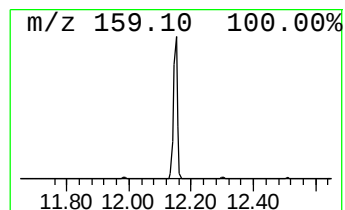
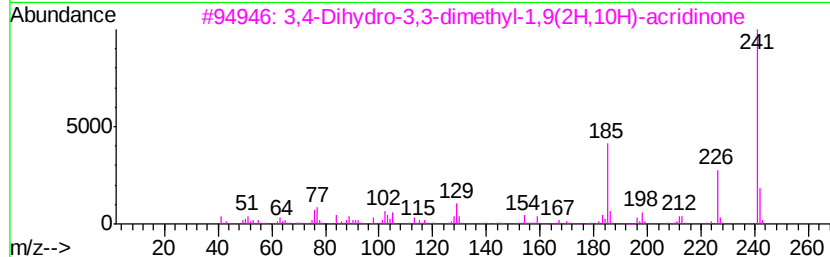
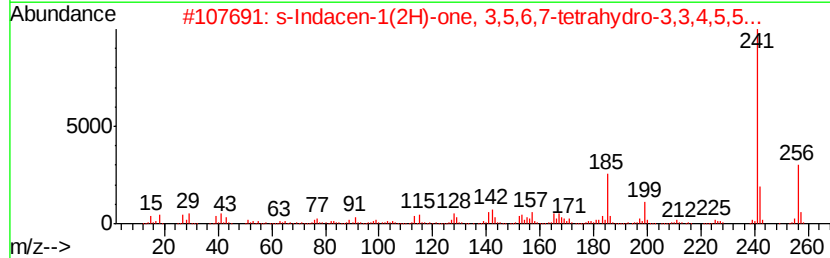
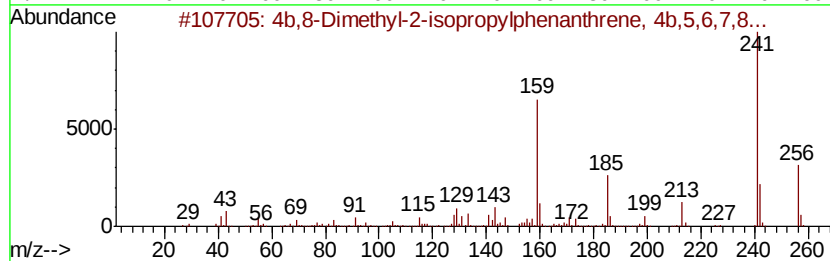
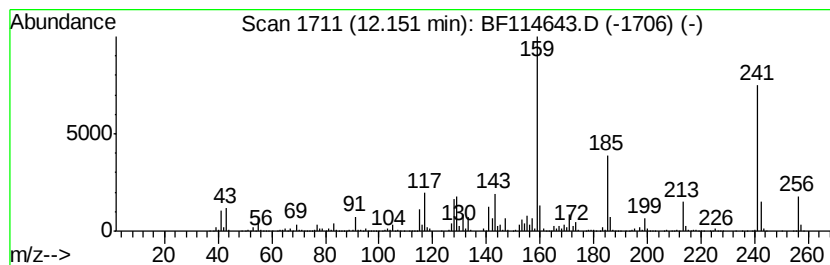
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 4b,8-Dimethyl-2-isopropylph... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	22.58 ng	3618190	Phenanthrene-d10	11.20

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	98
2		s-Indacen-1(2H)-one, 3,5,6,7-tet...	256	C18H24O	038754-94-8	43
3		3,4-Dihydro-3,3-dimethyl-1,9(2H,...	241	C15H15N02	1000212-95-2	38
4		Methyl 3-amino-2-cyano-3-(3-indo...	241	C13H11N3O2	018234-27-0	27
5		2(1H)-Quinolinone, hydrazone	159	C9H9N3	015793-77-8	27



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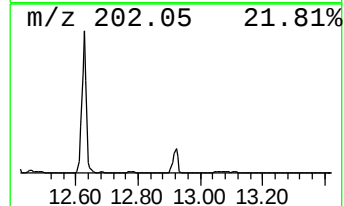
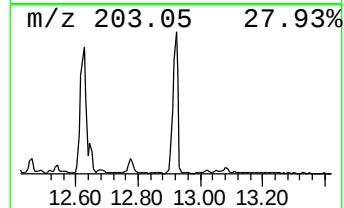
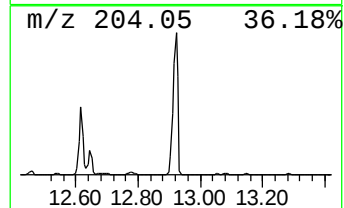
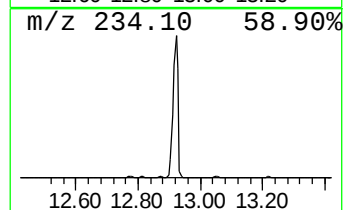
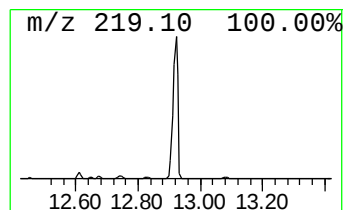
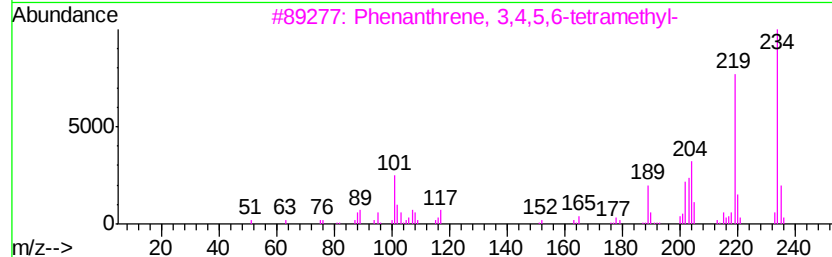
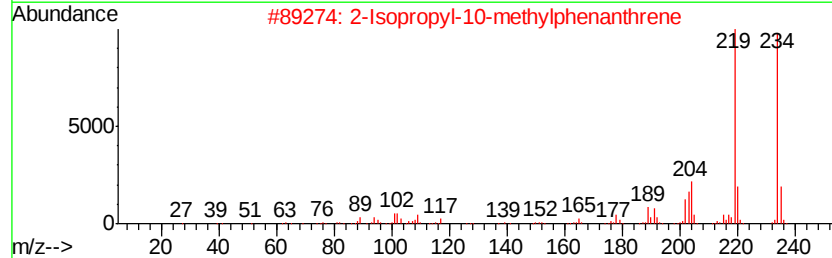
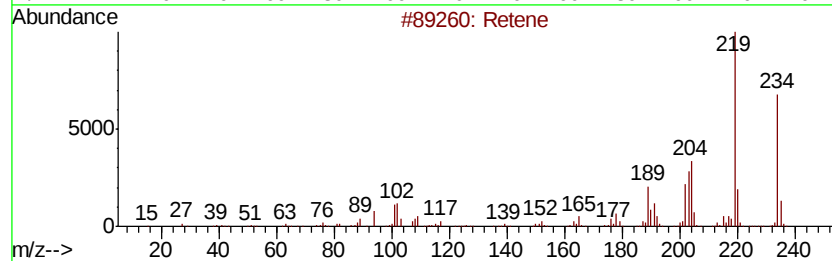
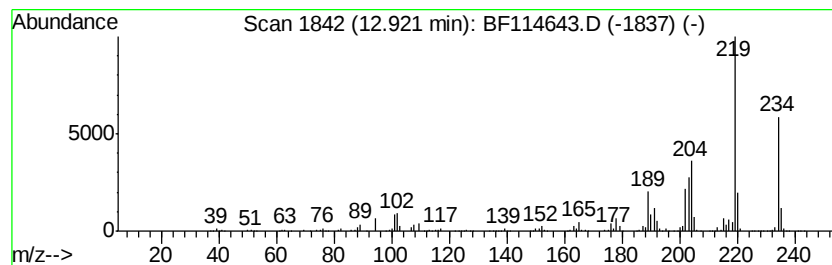
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Retene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.92	45.92 ng	9812210	Chrysene-d12	13.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Retene	234	C18H18	000483-65-8	99
2		2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	95
3		Phenanthrene, 3,4,5,6-tetramethyl-	234	C18H18	007343-06-8	58
4		Benzene, 1,3-bis(1,1-dimethyleth...	234	C16H26O	001518-53-2	49
5		Phenol, 2,6-bis(1,1-dimethylethy...	234	C16H26O	004130-42-1	49



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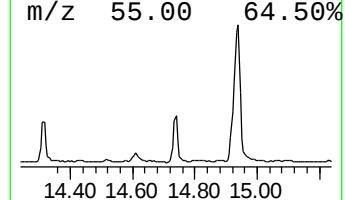
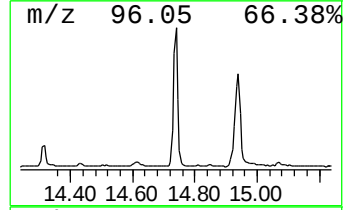
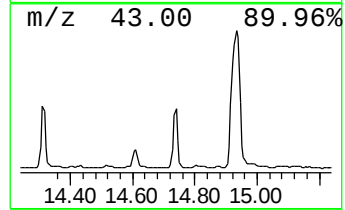
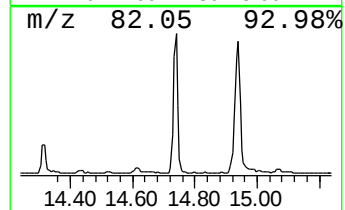
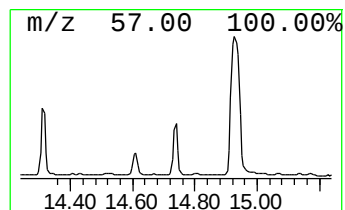
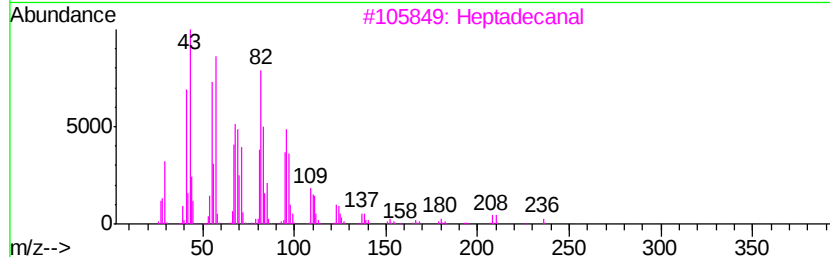
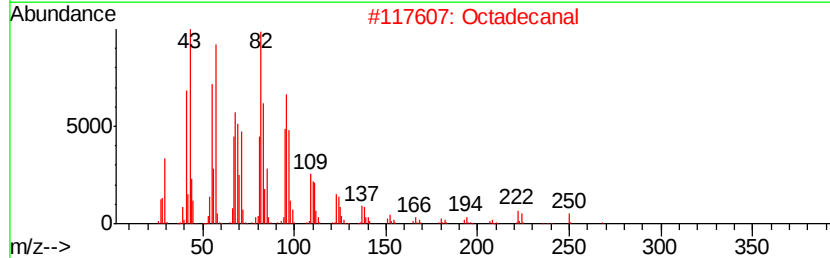
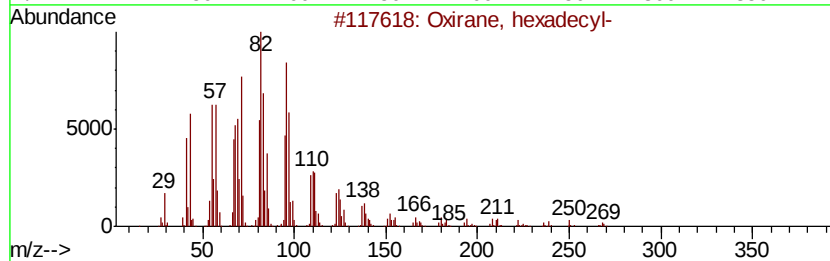
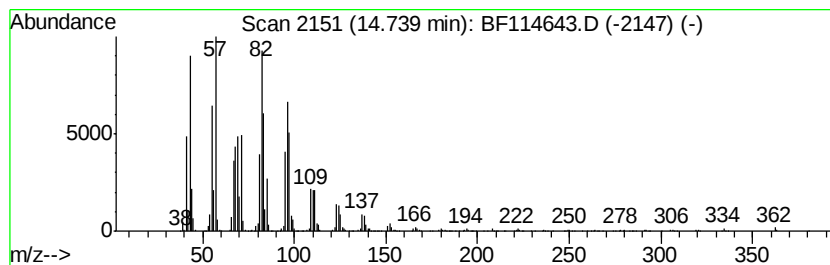
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Oxirane, hexadecyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	17.59 ng	1962620	Perylene-d12	15.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	94
2		Octadecanal	268	C18H36O	000638-66-4	91
3		Heptadecanal	254	C17H34O	1000376-70-0	91
4		1,19-Eicosadiene	278	C20H38	014811-95-1	90
5		16-Octadecenal	266	C18H34O	056554-87-1	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052919\
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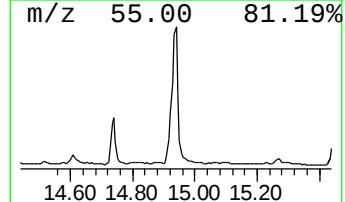
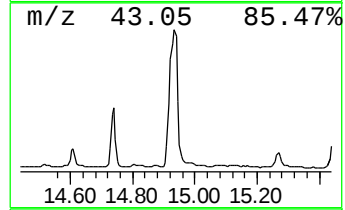
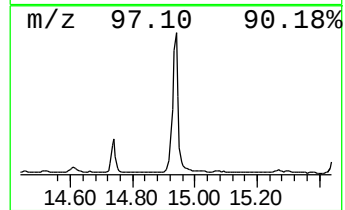
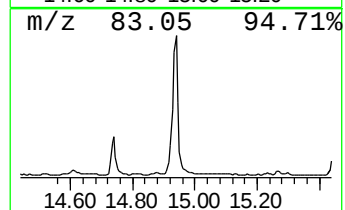
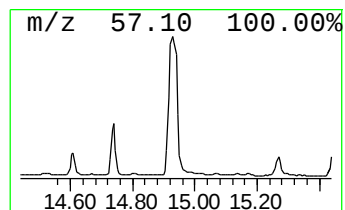
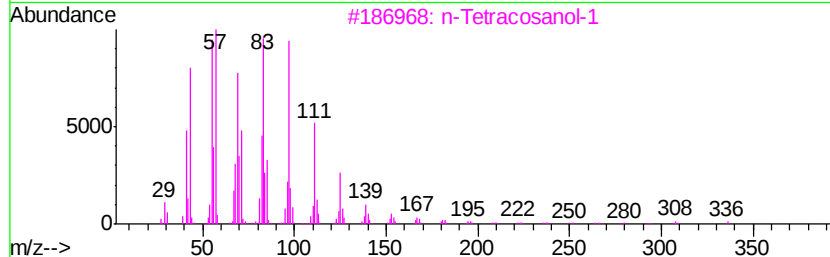
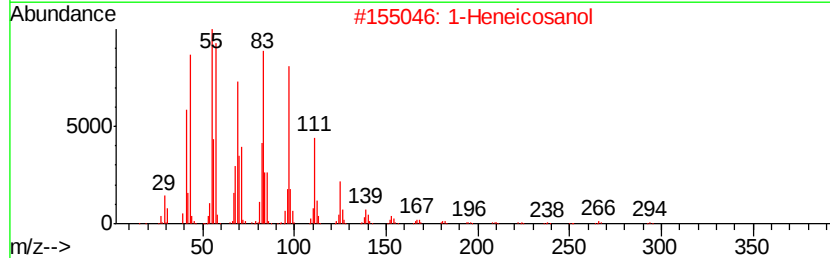
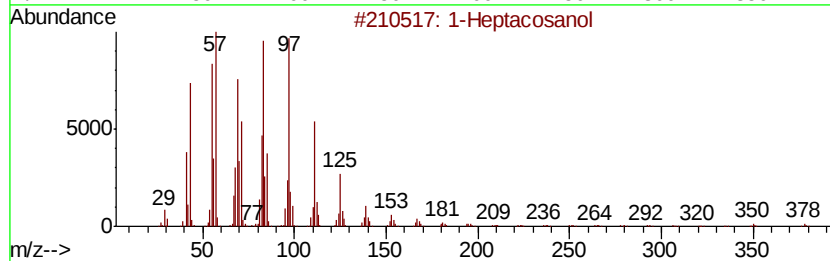
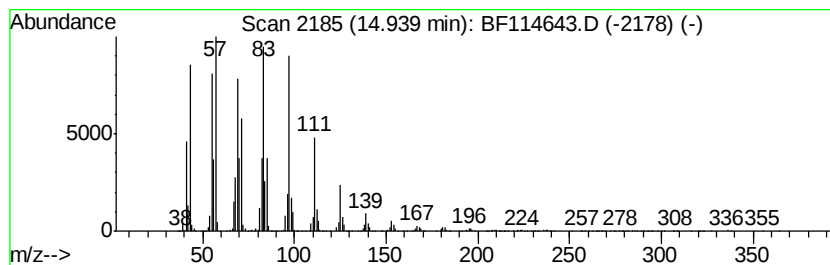
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 1-Heptacosanol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.94	62.23 ng	6941490	Perylene-d12	15.20

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptacosanol		396	C27H56O	002004-39-9	95
2	1-Heneicosanol		312	C21H44O	015594-90-8	94
3	n-Tetracosanol-1		354	C24H50O	000506-51-4	94
4	Behenic alcohol		326	C22H46O	000661-19-8	94
5	Octacosanol		410	C28H58O	000557-61-9	93



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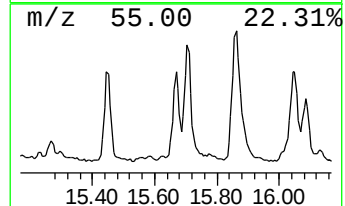
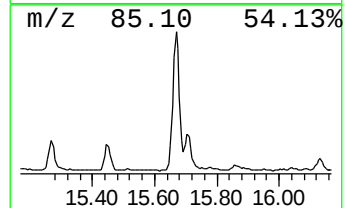
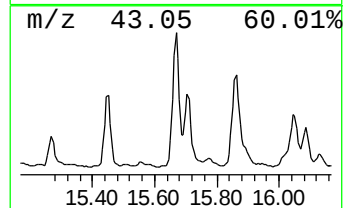
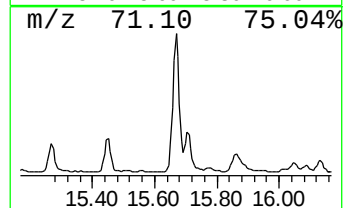
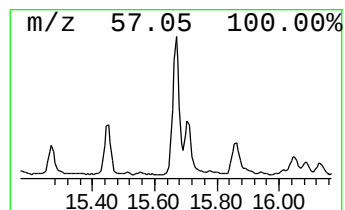
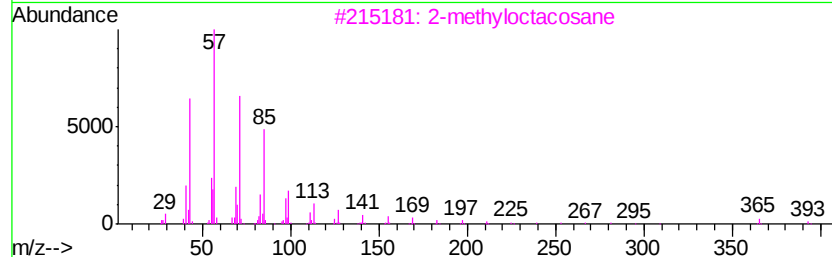
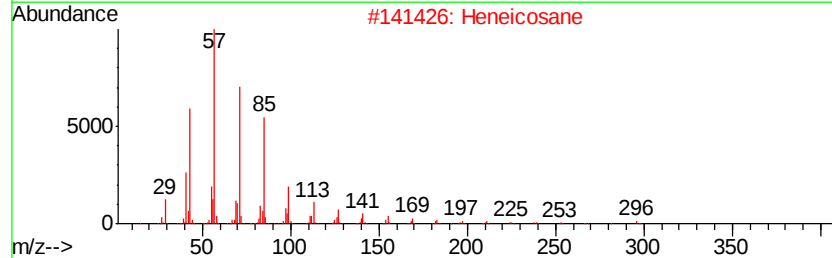
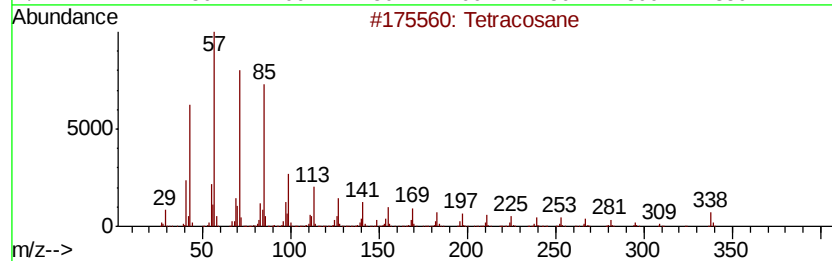
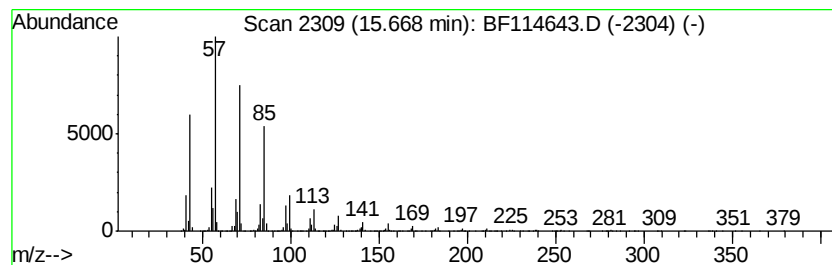
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Tetracosane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	19.77 ng	2205040	Perylene-d12	15.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetracosane	338	C24H50	000646-31-1	94
2		Heneicosane	296	C21H44	000629-94-7	91
3		2-methyloctacosane	408	C29H60	1000376-72-8	91
4		Octacosane	394	C28H58	000630-02-4	91
5		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91



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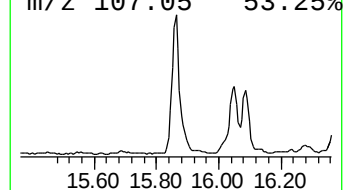
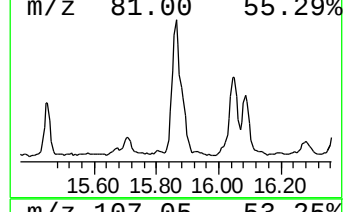
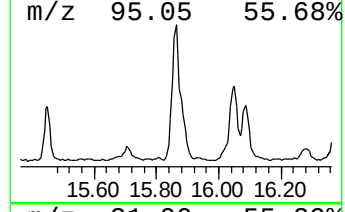
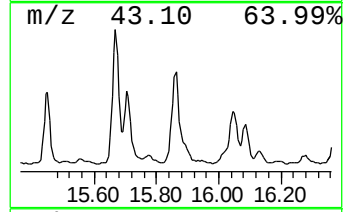
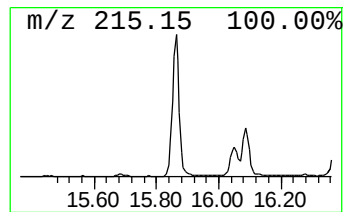
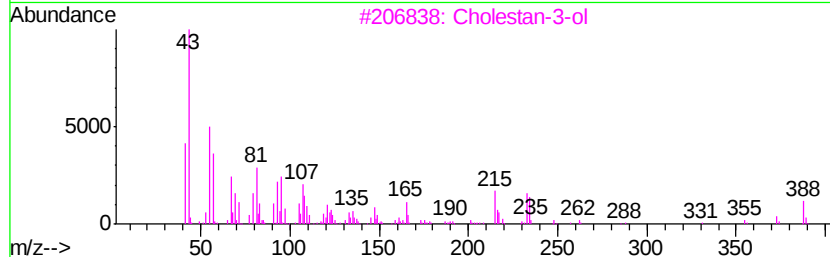
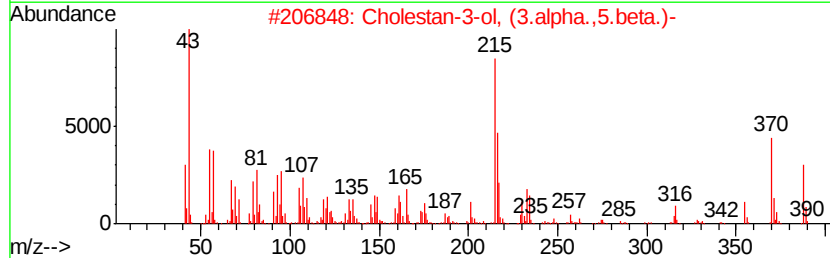
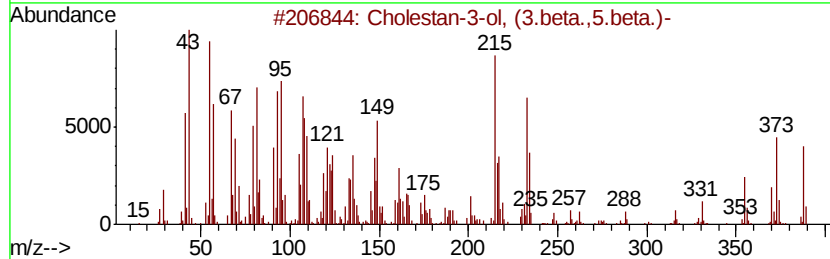
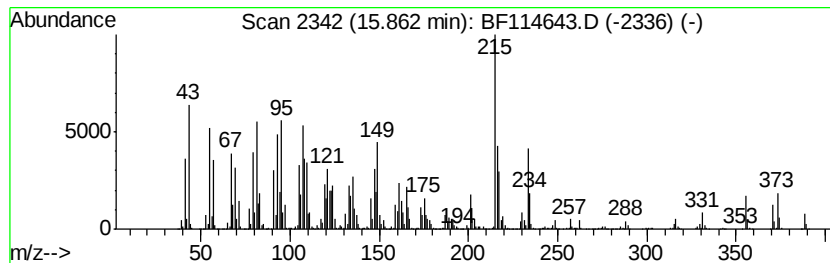
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Cholestan-3-ol, (3.beta.,5.... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	58.24 ng	6496380	Perylene-d12	15.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cholestan-3-ol, (3.beta.,5.beta.)-	388	C27H48O	000360-68-9	68
2		Cholestan-3-ol, (3.alpha.,5.beta.)-	388	C27H48O	000516-92-7	64
3		Cholestan-3-ol	388	C27H48O	027409-41-2	38
4		2-[(1R,3S)-3-Hydroxycyclohexyl]5...	318	C21H34O2	070434-82-1	35
5		Cholestanol	388	C27H48O	000080-97-7	27



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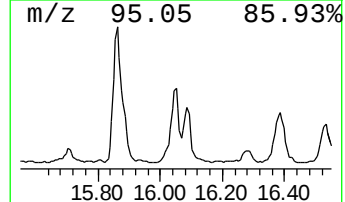
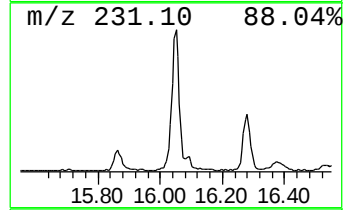
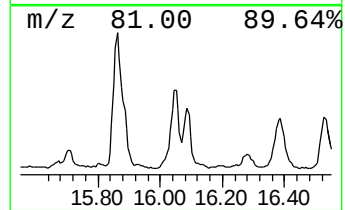
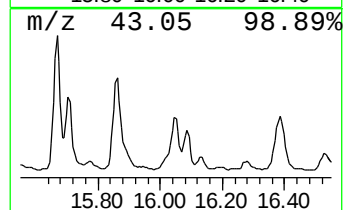
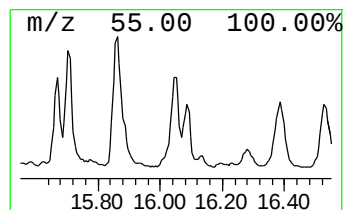
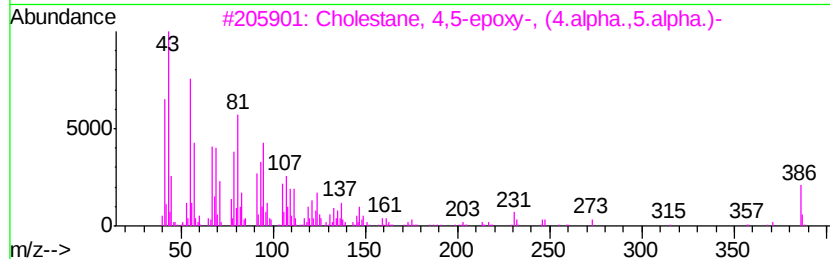
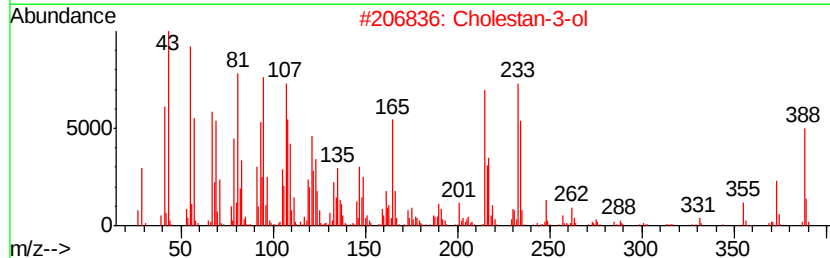
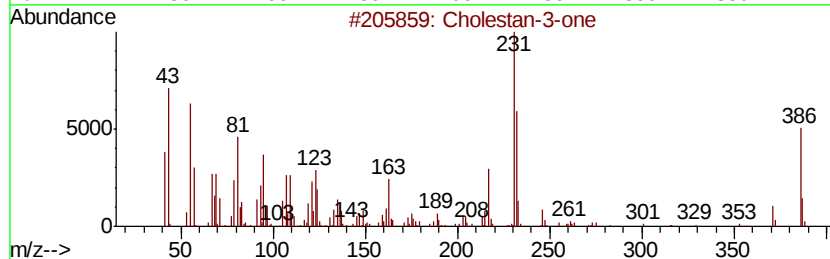
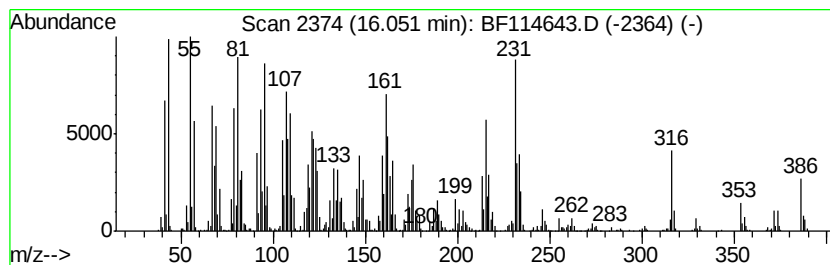
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Cholestan-3-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	33.63 ng	3751110	Perylene-d12	15.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cholestan-3-one	386	C27H46O	015600-08-5	94
2		Cholestan-3-ol	388	C27H48O	027409-41-2	52
3		Cholestane, 4,5-epoxv-, (4.alpha...	386	C27H46O	006079-19-2	44
4		Cholestan-3-one, (5.alpha.)-	386	C27H46O	000566-88-1	42
5		Cholestan-3-ol, (3.beta.,5.beta.)-	388	C27H48O	000360-68-9	41



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052919\
Data File : BF114643.D
Acq On : 29 May 2019 20:03
Operator : HP/JU
Sample : K3041-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

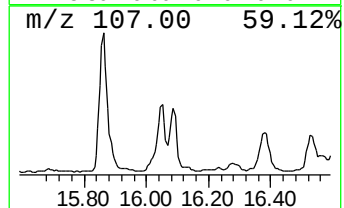
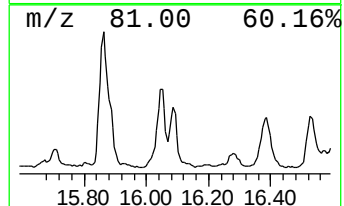
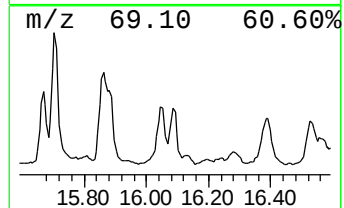
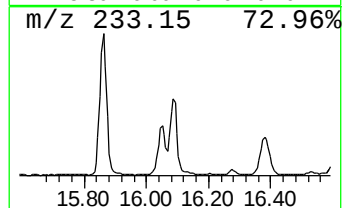
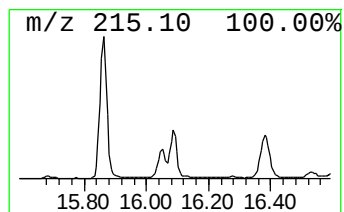
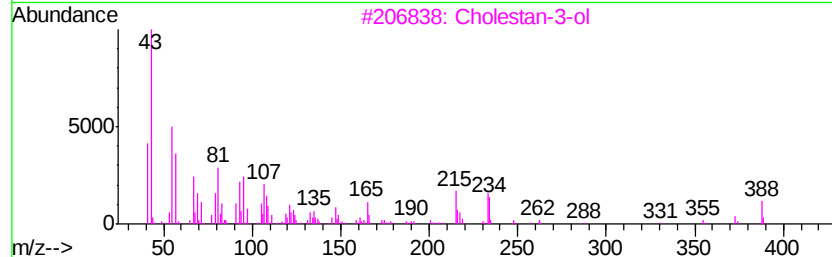
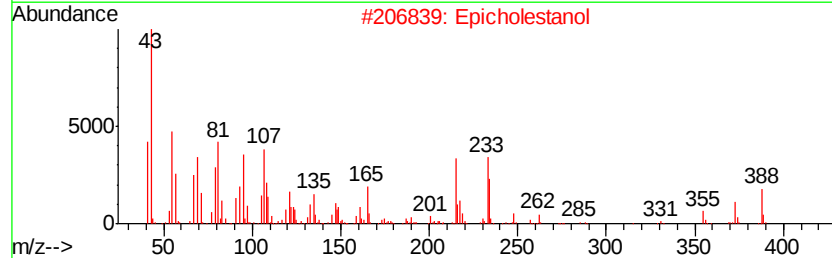
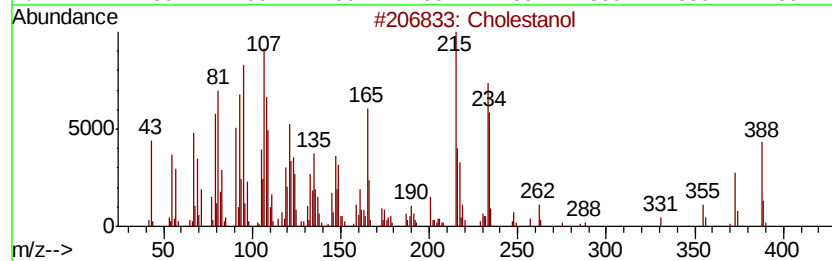
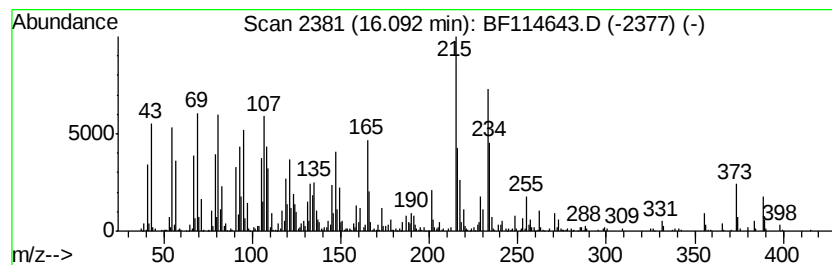
Instrument :
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ClientSampleId :
TP-2-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Cholesterol Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.09	20.08 ng	2239400	Perylene-d12	15.20
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Cholesterol	388 C27H48O	000080-97-7	99
2	Epicholesterol	388 C27H48O	000516-95-0	90
3	Cholesterol-3-ol	388 C27H48O	027409-41-2	86
4	Cholesterol-3-ol, (3.beta.,5.beta.)-	388 C27H48O	000360-68-9	70
5	4-Cholesterol	388 C27H48O	1000210-30-1	41



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052919\
Data File : BF114643.D
Acq On : 29 May 2019 20:03
Operator : HP/JU
Sample : K3041-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2-D

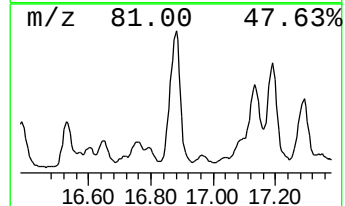
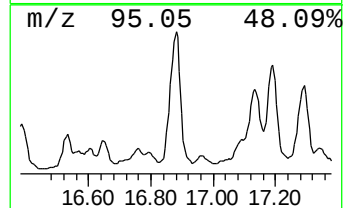
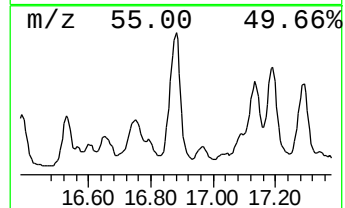
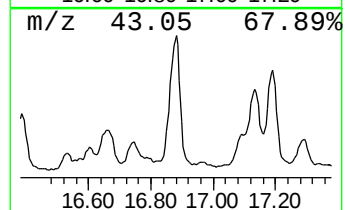
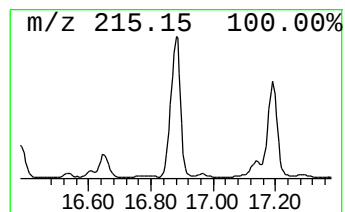
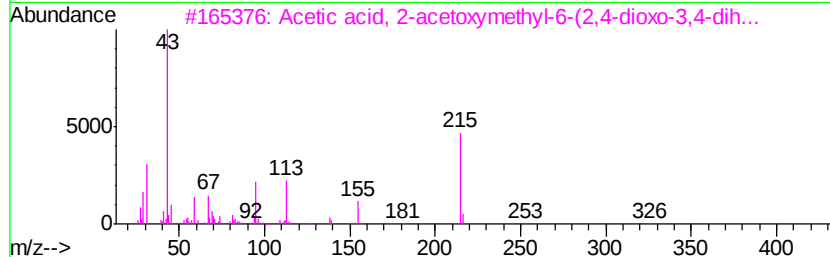
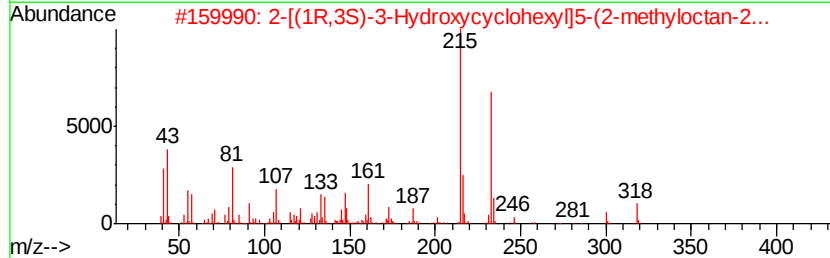
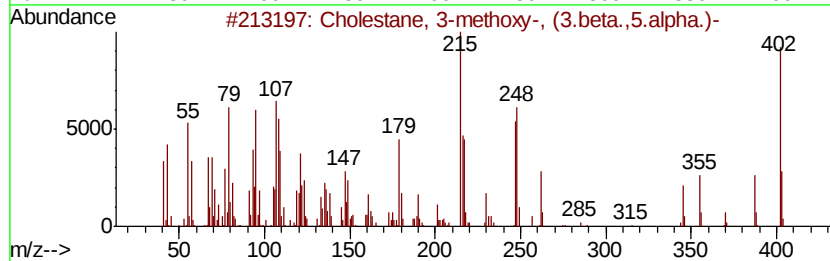
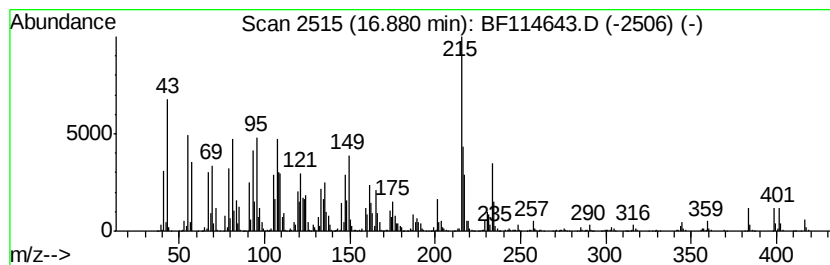
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown16.88 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.88	82.41 ng	9192470	Perylene-d12	15.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cholestane, 3-methoxy-, (3.beta....	402	C28H50O	001981-90-4	35
2		2-[(1R,3S)-3-Hydroxycyclohexyl]5...	318	C21H34O2	070434-82-1	25
3		Acetic acid, 2-acetoxymethyl-6-(...	326	C14H18N2O7	1000193-93-8	25
4		Cholestane, 3-ethoxy-, (3.beta.,...	416	C29H52O	002089-02-3	22
5		Stigmastanol	416	C29H52O	019466-47-8	22



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052919\
Data File : BF114643.D
Acq On : 29 May 2019 20:03
Operator : HP/JU
Sample : K3041-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

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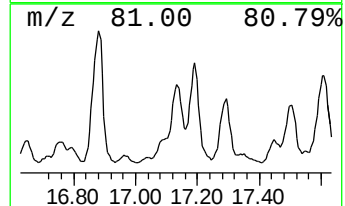
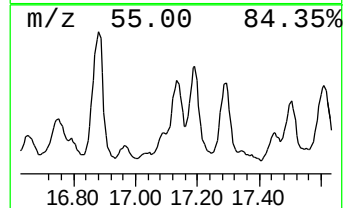
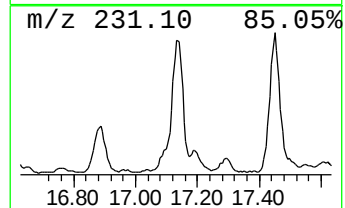
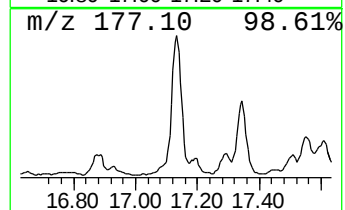
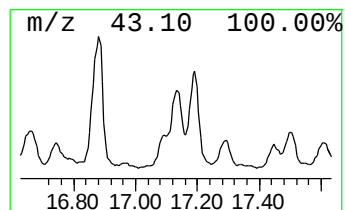
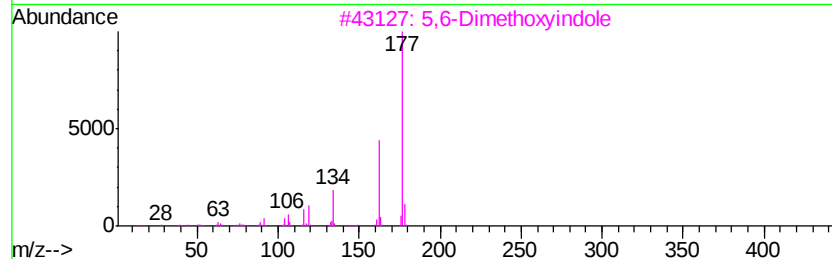
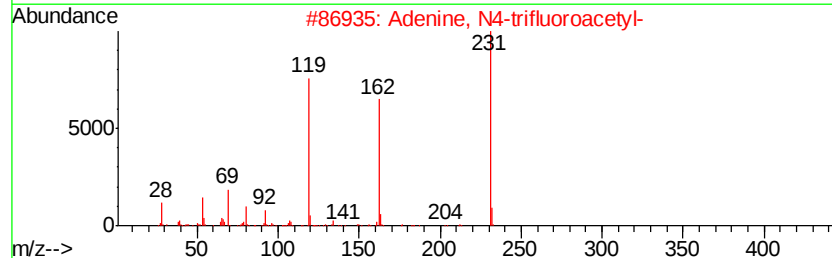
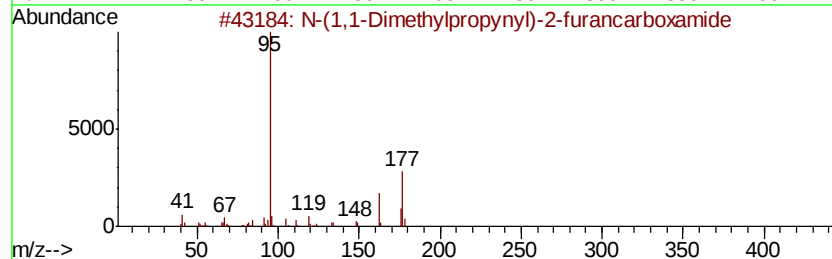
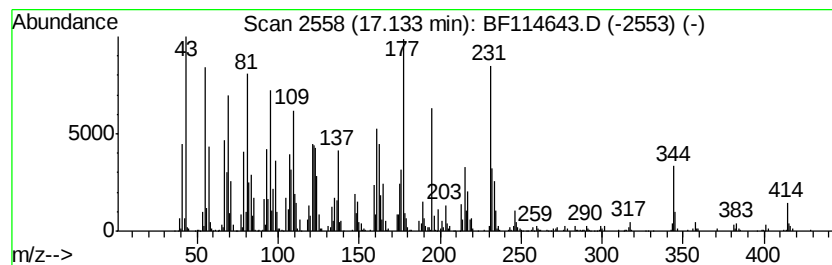
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown17.13 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.13	44.48 ng	4961670	Perylene-d12	15.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	N-(1,1-Dimethylpropynyl)-2-furan...	177	C10H11N02	039108-97-9	20
2		Adenine, N4-trifluoroacetyl-	231	C7H4F3N5O	1000374-88-1	18
3		5,6-Dimethoxyindole	177	C10H11N02	014430-23-0	14
4		4-Phenylurazole	177	C8H7N3O2	015988-11-1	11
5		trans-.beta.-Ionone	192	C13H20O	000079-77-6	10



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052919\
Data File : BF114643.D
Acq On : 29 May 2019 20:03
Operator : HP/JU
Sample : K3041-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

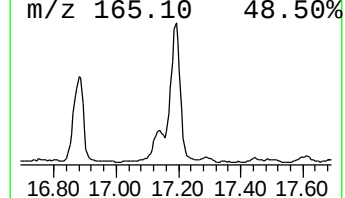
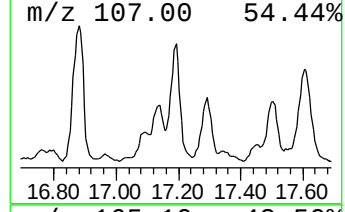
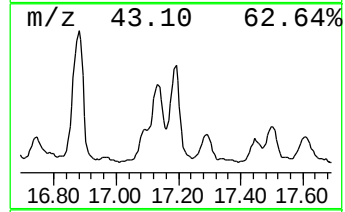
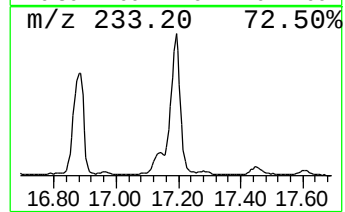
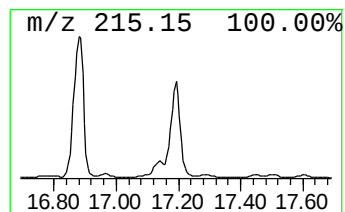
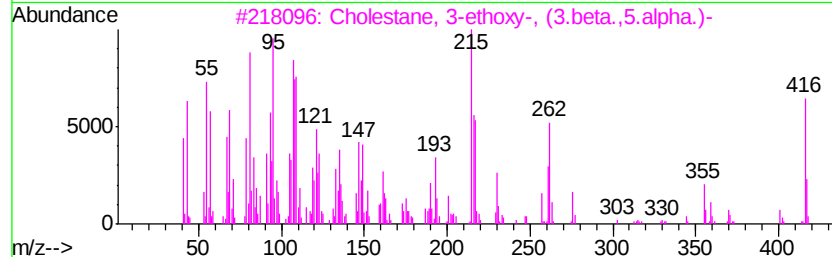
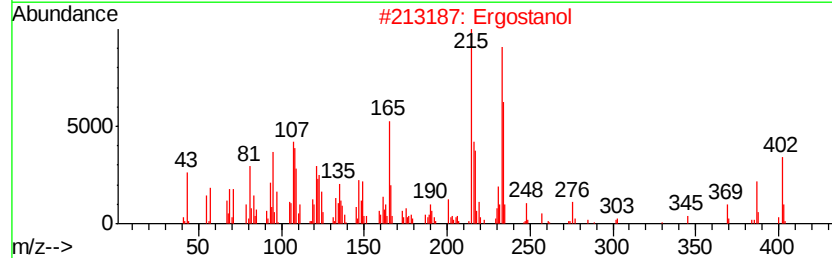
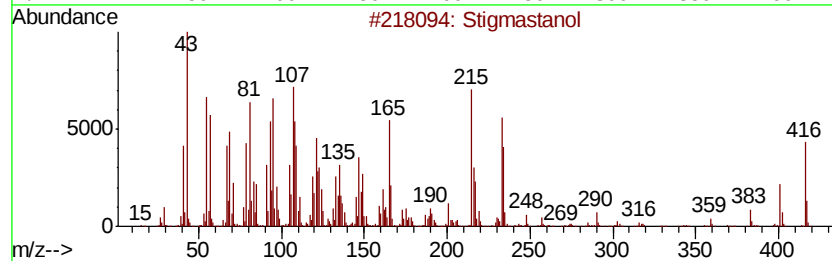
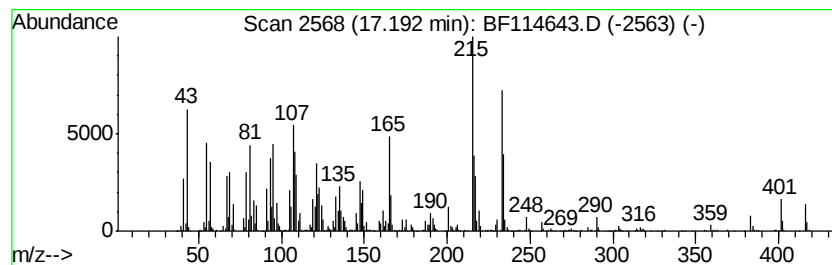
Instrument :
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ClientSampleId :
TP-2-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Stigmastanol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.		
17.19	50.55 ng	5638100	Perylene-d12	15.20		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Stigmastanol	416	C29H52O	019466-47-8	99
2		Ergostanol	402	C28H50O	006538-02-9	87
3		Cholestane, 3-ethoxy-, (3.beta.,....	416	C29H52O	002089-02-3	46
4		Pyridin-3-ol, 2-(4-nitrophenyl)-	216	C11H8N2O3	030820-89-4	18
5		Acetic acid, 2-acetoxymethyl-6-(...	326	C14H18N2O7	1000193-93-8	14



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052919\
Data File : BF114643.D
Acq On : 29 May 2019 20:03
Operator : HP/JU
Sample : K3041-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2-D

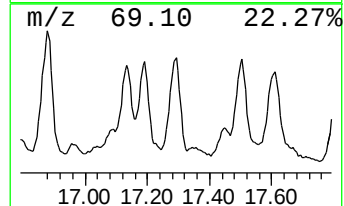
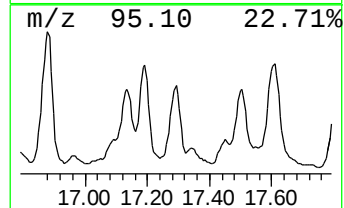
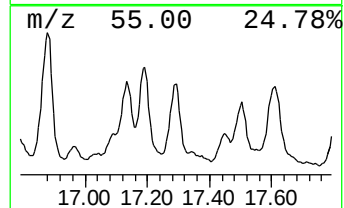
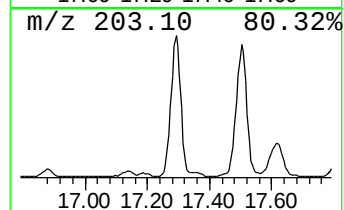
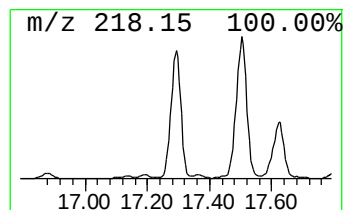
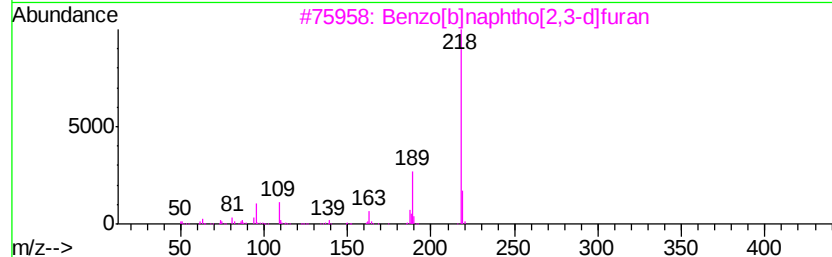
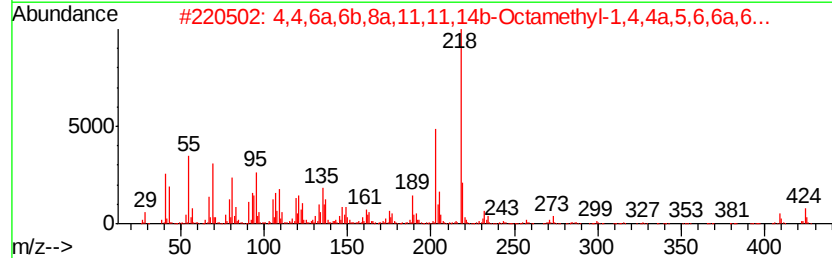
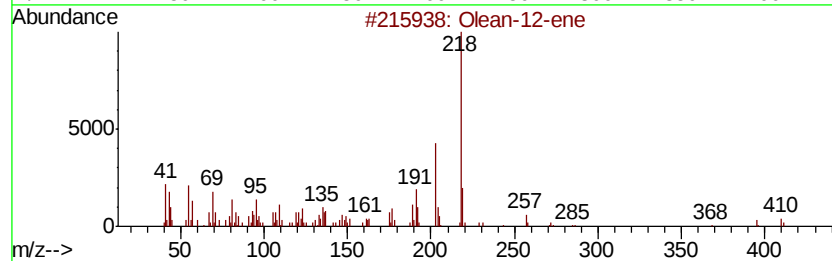
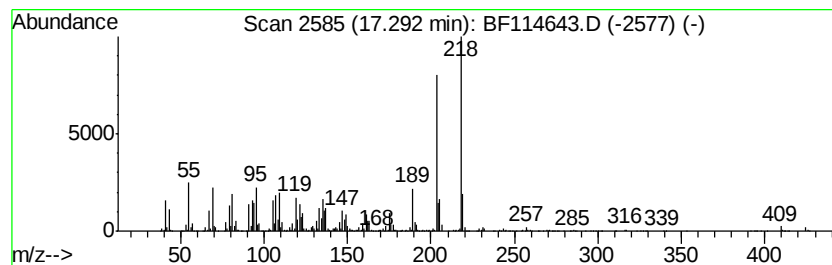
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Olean-12-ene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.29	42.14 ng	4700060	Perylene-d12	15.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Olean-12-ene	410	C30H50	000471-68-1	59
2		4,4,6a,6b,8a,11,11,14b-Octamethy...	424	C30H480	1000194-62-4	58
3		Benzo[b]naphtho[2,3-d]furan	218	C16H100	000243-42-5	53
4		1-Hydroxypvrene	218	C16H100	005315-79-7	43
5		Benzo(b)naphtho(1,2-d)furan	218	C16H100	000205-39-0	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052919\
Data File : BF114643.D
Acq On : 29 May 2019 20:03
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Sample : K3041-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

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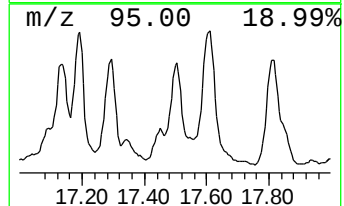
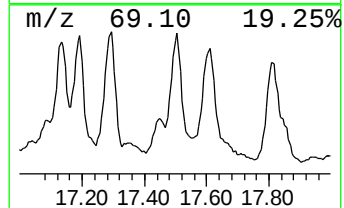
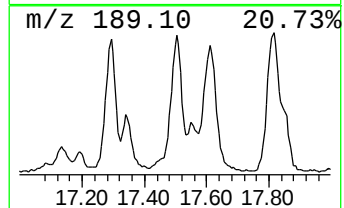
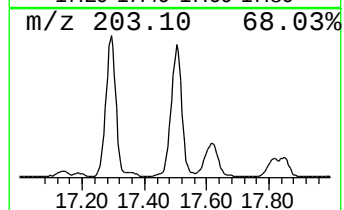
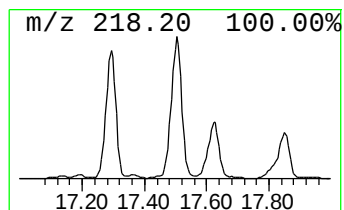
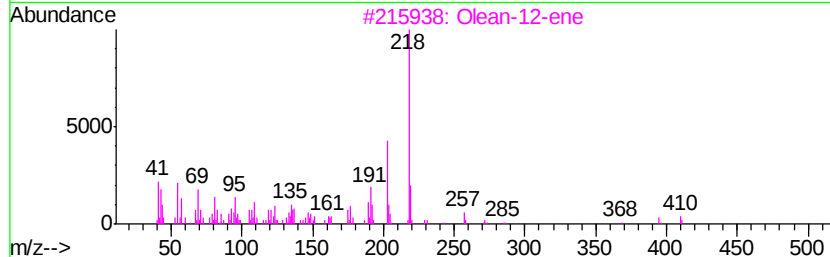
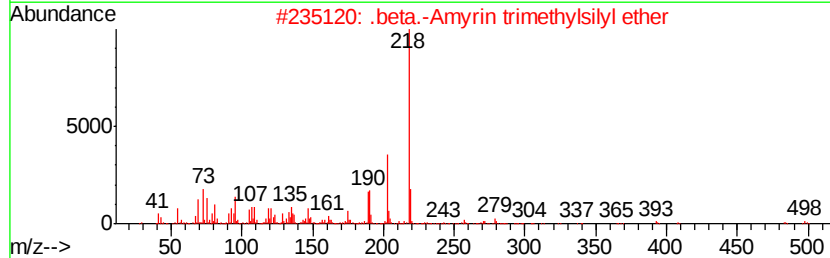
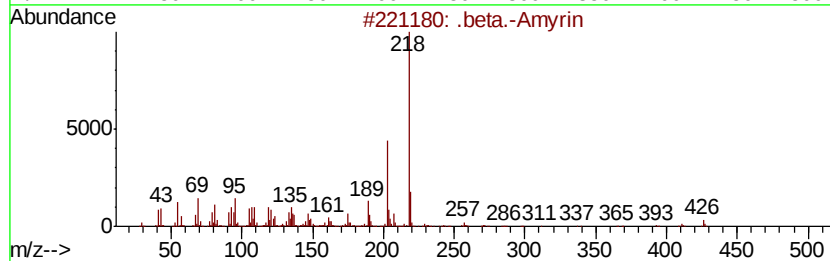
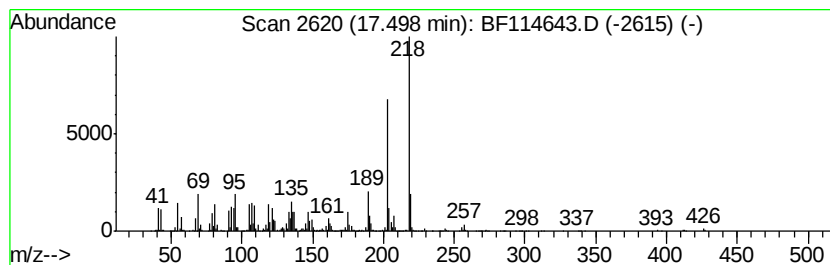
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 .beta.-Amyrin Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.50	49.70 ng	5543930	Perylene-d12	15.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	.beta.-Amyrin	426	C30H500	000559-70-6	90
2		.beta.-Amyrin trimethylsilyl ether	498	C33H58OSi	001721-67-1	87
3		Olean-12-ene	410	C30H50	000471-68-1	72
4		3-Methoxy-6,7,8,9-tetrahydro-dib...	218	C13H14O3	1000186-57-9	68
5		2(1H)Naphthalenone, 3,5,6,7,8,8a...	218	C15H22O	1000188-66-5	62



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052919\
Data File : BF114643.D
Acq On : 29 May 2019 20:03
Operator : HP/JU
Sample : K3041-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2-D

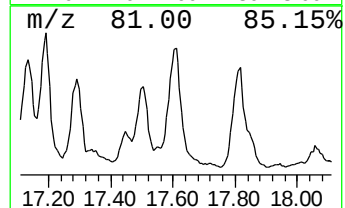
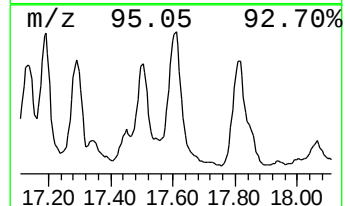
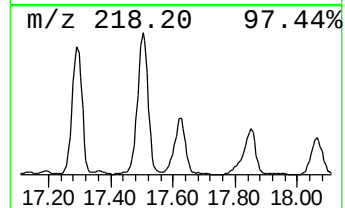
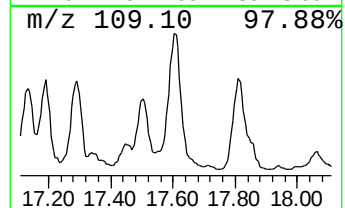
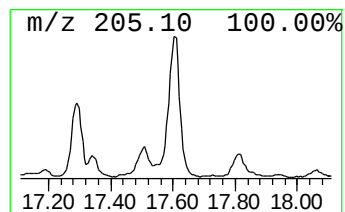
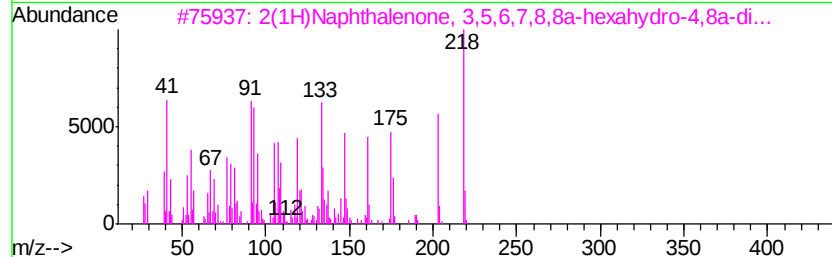
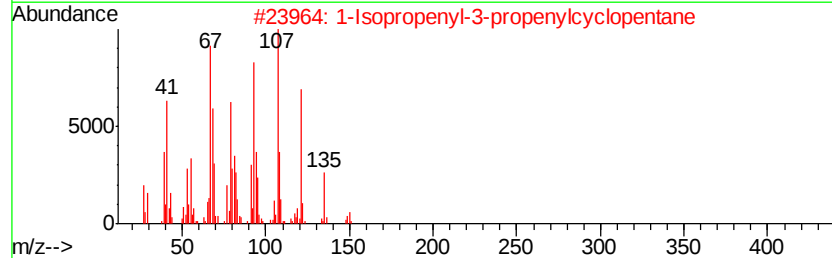
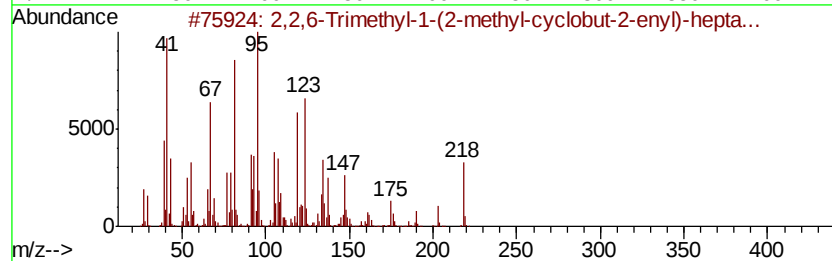
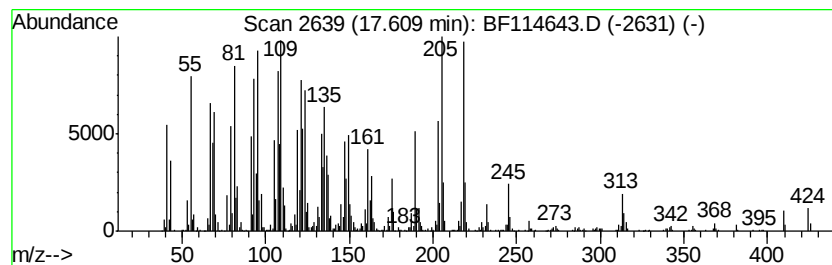
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 2,2,6-Trimethyl-1-(2-methyl... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.61	68.34 ng	7622550	Perylene-d12	15.20

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,2,6-Trimethyl-1-(2-methyl-cycl...	218	C15H22O	1000188-72-8	53
2		1-Isopropenyl-3-propenylcyclopent...	150	C11H18	1000192-81-2	43
3		2(1H)Naphthalenone, 3,5,6,7,8,8a...	218	C15H22O	1000188-66-5	43
4		D:C-Friedoolean-8-en-3-one	424	C30H48O	022611-26-3	42
5		Dimethyl{bis[(4,8,8-trimethyldec...	500	C32H56O2Si	1000364-69-0	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052919\
Data File : BF114643.D
Acq On : 29 May 2019 20:03
Operator : HP/JU
Sample : K3041-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2-D

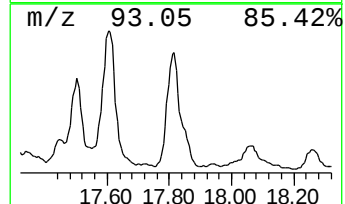
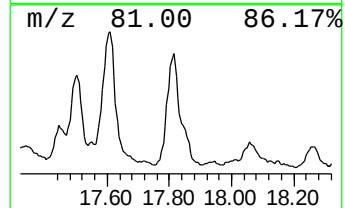
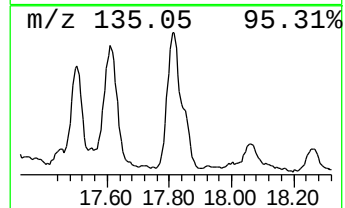
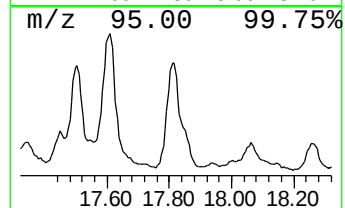
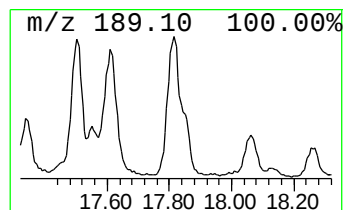
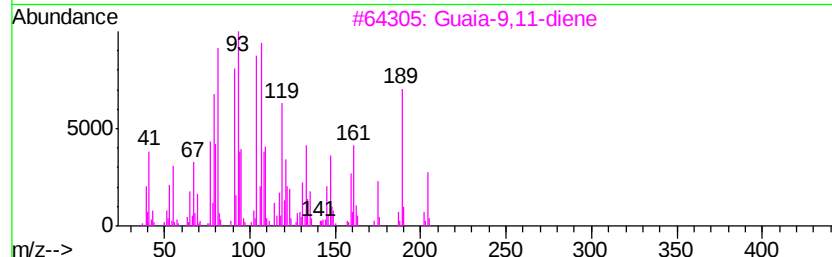
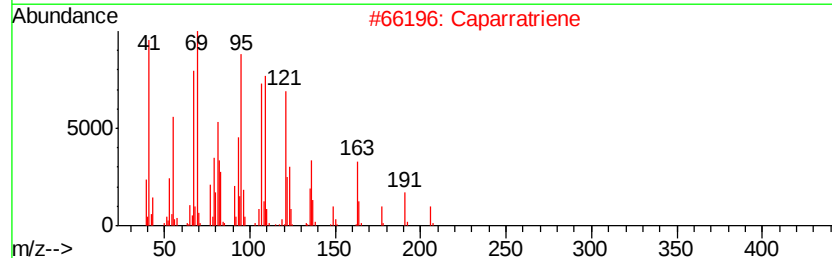
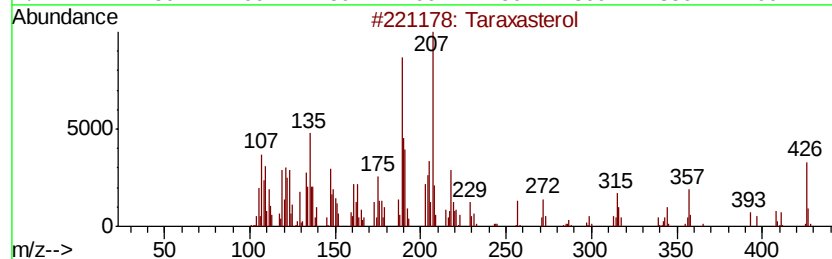
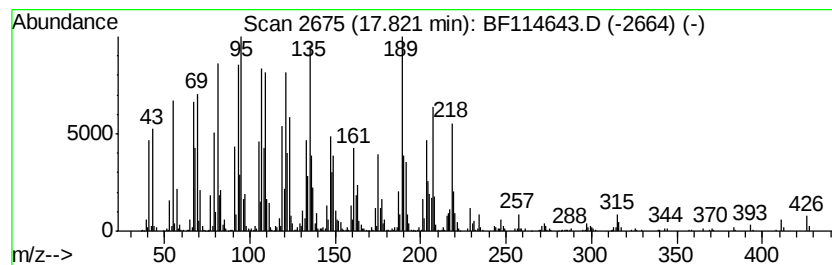
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Taraxasterol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	60.41 ng	6738650	Perylene-d12	15.20

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Taraxasterol	426	C30H50O	001059-14-9	94
2			Caparratriene	206	C15H26	1000374-08-7	50
3			Guaia-9,11-diene	204	C15H24	1000374-19-8	48
4			7-Oxabicyclo[4.1.0]heptane, 2,2,...	218	C15H22O	070038-20-9	47
5			.gamma.-Elemene	204	C15H24	029873-99-2	45



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF052919\
 Data File : BF114643.D
 Acq On : 29 May 2019 20:03
 Operator : HP/JU
 Sample : K3041-11
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.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
unknown6.46	6.46	84.3	ng	7547670	1	6.69	1789830	20.0
Phenanthrene, 2-m...	11.72	17.4	ng	2783630	4	11.20	3204430	20.0
4H-Cyclopenta[def...	11.80	22.8	ng	3652250	4	11.20	3204430	20.0
4b,8-Dimethyl-2-i...	12.15	22.6	ng	3618190	4	11.20	3204430	20.0
Retene	12.92	45.9	ng	9812210	5	13.82	4273350	20.0
Oxirane, hexadecyl-	14.74	17.6	ng	1962620	6	15.20	2230920	20.0
1-Heptacosanol	14.94	62.2	ng	6941490	6	15.20	2230920	20.0
Tetracosane	15.67	19.8	ng	2205040	6	15.20	2230920	20.0
Cholestan-3-ol, (...)	15.86	58.2	ng	6496380	6	15.20	2230920	20.0
Cholestan-3-one	16.05	33.6	ng	3751110	6	15.20	2230920	20.0
Cholestanol	16.09	20.1	ng	2239400	6	15.20	2230920	20.0
unknown16.88	16.88	82.4	ng	9192470	6	15.20	2230920	20.0
unknown17.13	17.13	44.5	ng	4961670	6	15.20	2230920	20.0
Stigmastanol	17.19	50.5	ng	5638100	6	15.20	2230920	20.0
Olean-12-ene	17.29	42.1	ng	4700060	6	15.20	2230920	20.0
.beta.-Amyrin	17.50	49.7	ng	5543930	6	15.20	2230920	20.0
2,2,6-Trimethyl-1...	17.61	68.3	ng	7622550	6	15.20	2230920	20.0
Taraxasterol	17.82	60.4	ng	6738650	6	15.20	2230920	20.0