

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080819\
 Data File : BF116087.D
 Acq On : 9 Aug 2019 00:18
 Operator : HP/JU
 Sample : K4154-10 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PS-10

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	5.457	570	573	596	rBV	828605	1051852	31.18%	2.694%
2	6.116	682	685	689	rBV	322186	285105	8.45%	0.730%
3	6.287	708	714	717	rBV	41186	35805	1.06%	0.092%
4	6.469	742	745	755	rBV	1000647	1115769	33.08%	2.858%
5	6.539	755	757	765	rVV	51925	67981	2.02%	0.174%
6	6.610	765	769	787	rVB	1239999	1212427	35.95%	3.106%
7	6.834	804	807	817	rBV	713134	717806	21.28%	1.839%
8	6.992	831	834	848	rVB	888181	807436	23.94%	2.068%
9	7.398	899	903	921	rBV	575128	696548	20.65%	1.784%
10	8.116	1022	1025	1033	rBV	964214	952738	28.25%	2.440%
11	9.186	1204	1207	1216	rBV	1209774	1086079	32.20%	2.782%
12	9.257	1216	1219	1224	rVB4	31860	39251	1.16%	0.101%
13	9.527	1262	1265	1268	rVB2	63407	53916	1.60%	0.138%
14	9.586	1268	1275	1280	rBV	185387	217199	6.44%	0.556%
15	9.745	1299	1302	1305	rVB2	69734	57185	1.70%	0.146%
16	9.780	1305	1308	1310	rBV	57478	47211	1.40%	0.121%
17	9.869	1320	1323	1326	rBV	1430213	1202496	35.65%	3.080%
18	9.898	1326	1328	1334	rVB2	175996	192912	5.72%	0.494%
19	9.986	1340	1343	1346	rBV	86336	78283	2.32%	0.201%
20	10.022	1346	1349	1353	rVB	104250	90631	2.69%	0.232%
21	10.080	1356	1359	1364	rBV	52480	60724	1.80%	0.156%
22	10.339	1399	1403	1407	rBV	106641	93724	2.78%	0.240%
23	10.422	1414	1417	1421	rBV	105041	102447	3.04%	0.262%
24	10.592	1440	1446	1449	rVB3	32247	48665	1.44%	0.125%
25	10.639	1449	1454	1455	rVV2	80862	104019	3.08%	0.266%
26	10.657	1455	1457	1461	rVV	680630	722615	21.42%	1.851%
27	10.692	1461	1463	1466	rVV	92659	96325	2.86%	0.247%
28	10.722	1466	1468	1474	rVV	108100	107934	3.20%	0.276%
29	10.774	1474	1477	1485	rVB5	30458	45701	1.35%	0.117%
30	11.257	1555	1559	1562	rVB	60115	62302	1.85%	0.160%
31	11.357	1572	1576	1578	rBV	1402664	1246653	36.96%	3.193%
32	11.380	1578	1580	1586	rVV	1091081	920187	27.28%	2.357%
33	11.433	1586	1589	1592	rVV	131382	128890	3.82%	0.330%
34	11.469	1592	1595	1601	rVB2	37430	59215	1.76%	0.152%

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 Sampling : 1
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.592	1612	1616	1621	rBV2	68262	83612	2.48%	0.214%
36	11.686	1629	1632	1639	rVB6	25651	46957	1.39%	0.120%
37	11.857	1659	1661	1663	rBV	94976	83356	2.47%	0.214%
38	11.886	1663	1666	1672	rVB3	249938	321201	9.52%	0.823%
39	11.968	1677	1680	1683	rVV	193225	208437	6.18%	0.534%
40	11.992	1683	1684	1689	rVB	70123	52274	1.55%	0.134%
41	12.151	1708	1711	1714	rBV	96689	82375	2.44%	0.211%
42	12.186	1714	1717	1726	rVB2	155659	185289	5.49%	0.475%
43	12.298	1732	1736	1739	rBV3	59678	61374	1.82%	0.157%
44	12.410	1752	1755	1757	rBV	54140	62350	1.85%	0.160%
45	12.439	1757	1760	1763	rVV4	40296	65653	1.95%	0.168%
46	12.492	1766	1769	1774	rVB2	185262	202752	6.01%	0.519%
47	12.568	1778	1782	1786	rBV	1831770	1788955	53.04%	4.582%
48	12.604	1786	1788	1791	rVB	239874	194506	5.77%	0.498%
49	12.663	1796	1798	1804	rVV2	142529	196824	5.84%	0.504%
50	12.727	1805	1809	1811	rVV2	174919	199498	5.91%	0.511%
51	12.798	1815	1821	1825	rVV	1490655	1692748	50.19%	4.336%
52	12.851	1828	1830	1834	rVB2	68777	77092	2.29%	0.197%
53	12.933	1839	1844	1848	rBV	1129561	1033199	30.63%	2.646%
54	13.015	1854	1858	1861	rBV2	73990	122020	3.62%	0.313%
55	13.074	1865	1868	1871	rVV	664660	554850	16.45%	1.421%
56	13.127	1871	1877	1881	rVV	228962	368556	10.93%	0.944%
57	13.163	1881	1883	1886	rVV	76512	93542	2.77%	0.240%
58	13.192	1886	1888	1891	rVV	164816	180262	5.34%	0.462%
59	13.233	1891	1895	1902	rVB3	118480	221980	6.58%	0.569%
60	13.333	1908	1912	1914	rBV2	80036	91113	2.70%	0.233%
61	13.363	1914	1917	1923	rVV4	53960	80818	2.40%	0.207%
62	13.415	1923	1926	1930	rVV3	38676	38601	1.14%	0.099%
63	13.557	1947	1950	1953	rBV2	37227	41971	1.24%	0.108%
64	13.604	1955	1958	1962	rBV	202662	175704	5.21%	0.450%
65	13.645	1962	1965	1970	rVB	82053	71446	2.12%	0.183%
66	13.692	1970	1973	1977	rBV	955590	935753	27.74%	2.397%
67	13.751	1980	1983	1985	rBV	152875	146560	4.35%	0.375%
68	13.774	1985	1987	1989	rVB	90629	73783	2.19%	0.189%
69	13.804	1989	1992	1993	rBV	74724	72952	2.16%	0.187%
70	13.851	1998	2000	2004	rVB	137406	133541	3.96%	0.342%
71	13.892	2004	2007	2010	rBV	105925	111682	3.31%	0.286%

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 Sampling : 1 Min Area: 3 % of largest Peak
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72	13.968	2016	2020	2022	rBV	3519308	3372972	100.00%	8.640%
73	13.998	2022	2025	2028	rVV2	1138440	1545602	45.82%	3.959%
74	14.021	2028	2029	2037	rVB	647036	541818	16.06%	1.388%
75	14.104	2038	2043	2046	rBV	111270	134749	3.99%	0.345%
76	14.386	2089	2091	2094	rVB	67925	62279	1.85%	0.160%
77	14.439	2096	2100	2104	rBV2	561357	667823	19.80%	1.711%
78	14.527	2111	2115	2120	rVB	1766487	1638268	48.57%	4.196%
79	14.709	2143	2146	2149	rBV4	48615	65208	1.93%	0.167%
80	14.751	2151	2153	2158	rVB	65589	68170	2.02%	0.175%
81	14.892	2173	2177	2179	rBV2	88617	132031	3.91%	0.338%
82	15.039	2198	2202	2207	rBV	556850	1015442	30.11%	2.601%
83	15.086	2207	2210	2215	rVV	941363	1070701	31.74%	2.743%
84	15.145	2218	2220	2226	rVB	92670	144516	4.28%	0.370%
85	15.339	2249	2253	2259	rVB	335881	422668	12.53%	1.083%
86	15.404	2259	2264	2269	rBV	413881	542945	16.10%	1.391%
87	15.462	2269	2274	2278	rBV	739849	971140	28.79%	2.488%
88	15.656	2303	2307	2311	rBV3	104720	155570	4.61%	0.398%
89	15.886	2342	2346	2353	rVB	366299	524458	15.55%	1.343%
90	16.133	2385	2388	2402	rVB6	65141	156881	4.65%	0.402%
91	16.562	2458	2461	2466	rVB3	48569	68811	2.04%	0.176%
92	16.668	2476	2479	2486	rVB2	74355	125157	3.71%	0.321%
93	16.933	2518	2524	2536	rBV2	210678	524219	15.54%	1.343%
94	17.374	2594	2599	2611	rBV	134865	357381	10.60%	0.915%
95	17.492	2615	2619	2632	rVB	59895	210668	6.25%	0.540%
96	18.015	2703	2708	2725	rVB7	174690	559244	16.58%	1.432%

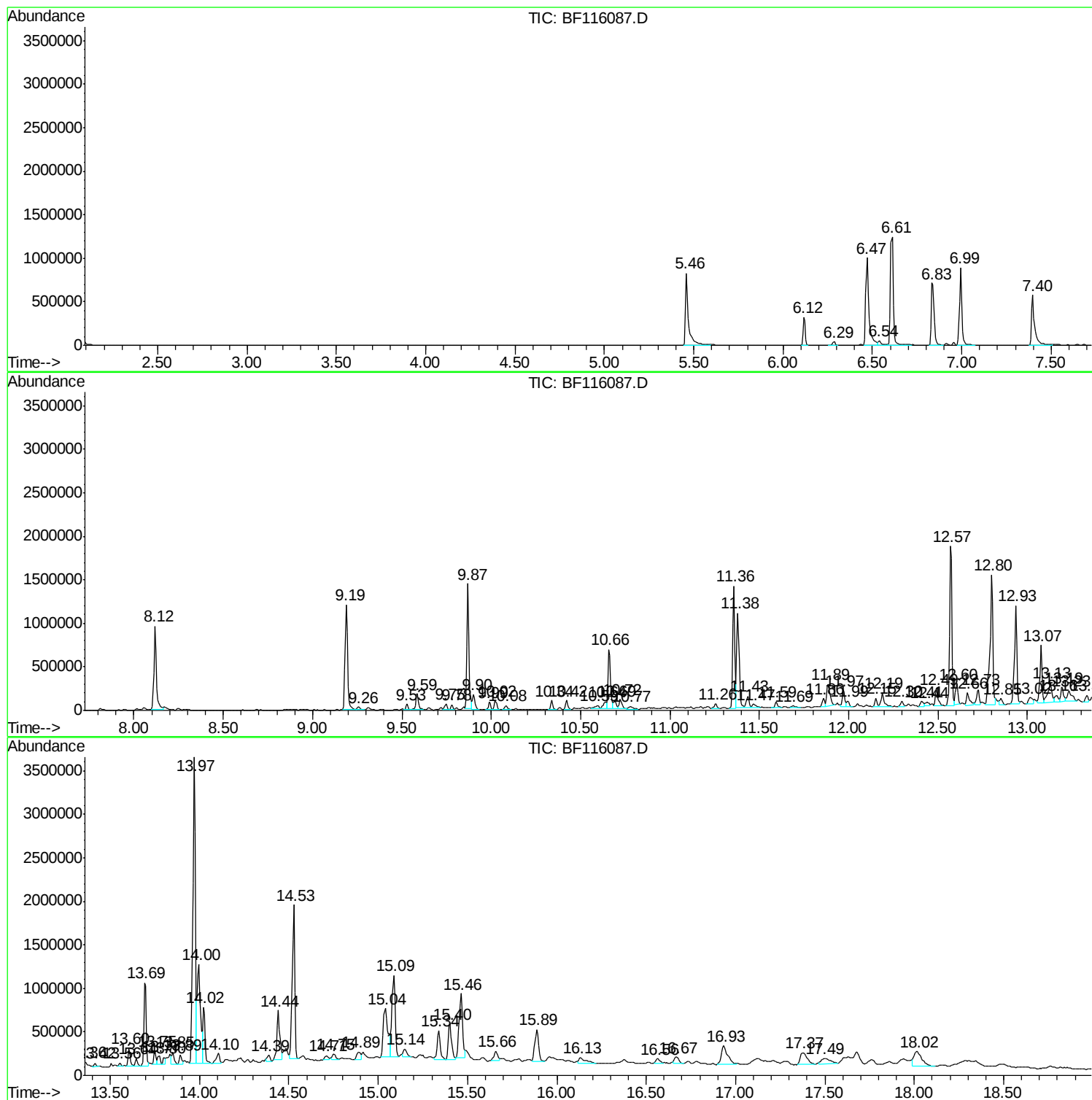
Sum of corrected areas: 39040338

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



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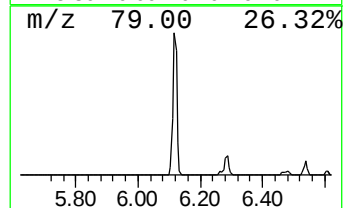
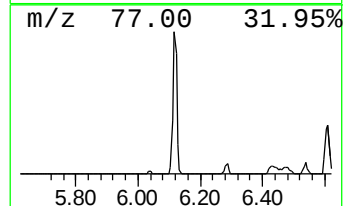
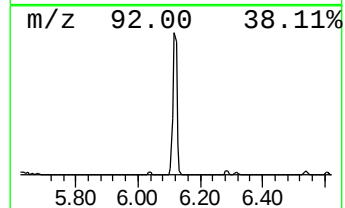
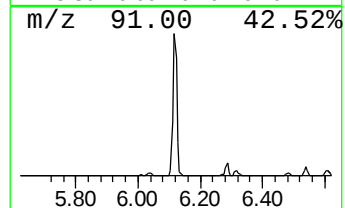
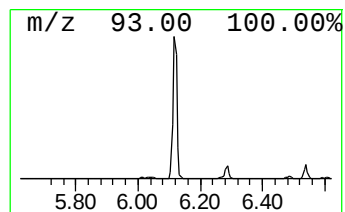
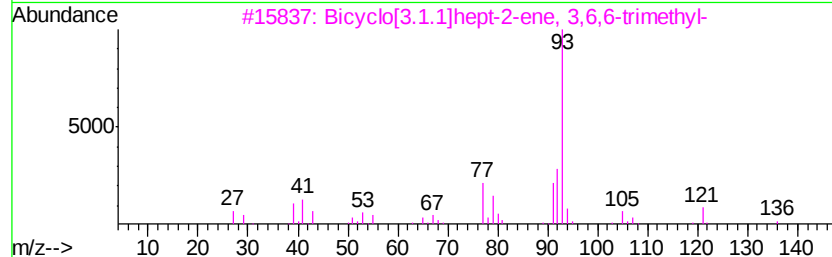
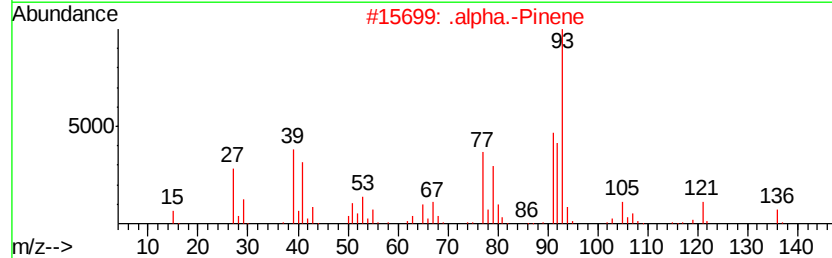
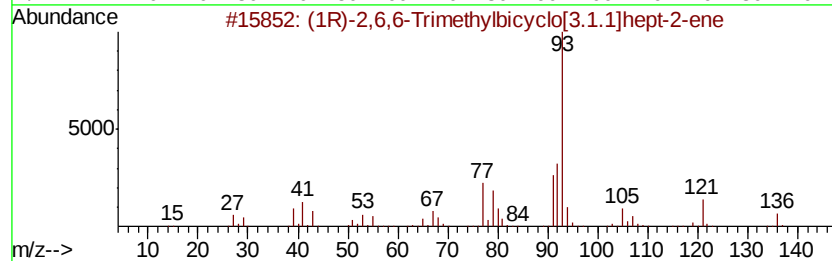
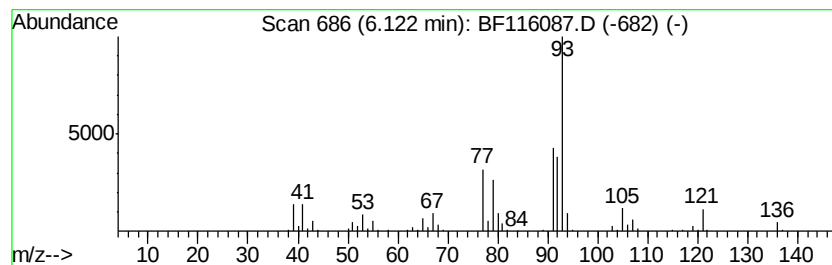
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 (1R)-2,6,6-Trimethylbicyclo... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.12	7.94 ng	285105	1,4-Dichlorobenzene-d4	6.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(1R)-2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene	136	C10H16	007785-70-8	96
2		.alpha.-Pinene	136	C10H16	000080-56-8	95
3		Bicyclo[3.1.1]hept-2-ene, 3,6,6-trimethyl-	136	C10H16	004889-83-2	94
4		trans-.beta.-Ocimene	136	C10H16	003779-61-1	94
5		(1S)-2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene	136	C10H16	007785-26-4	91



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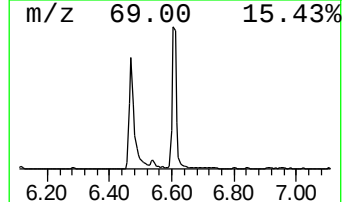
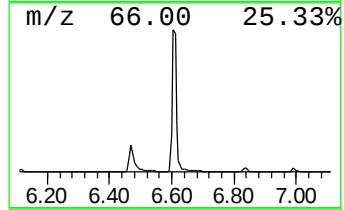
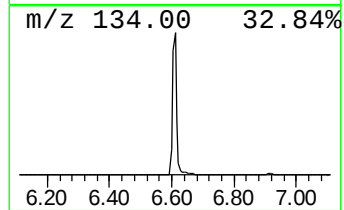
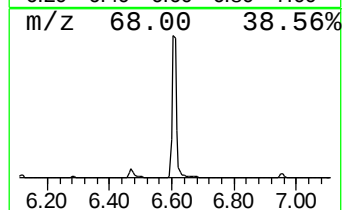
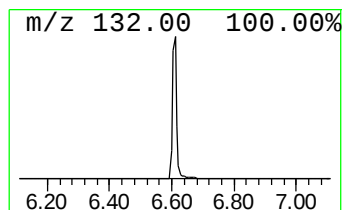
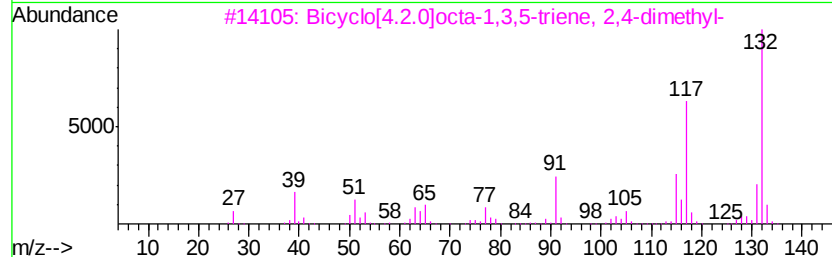
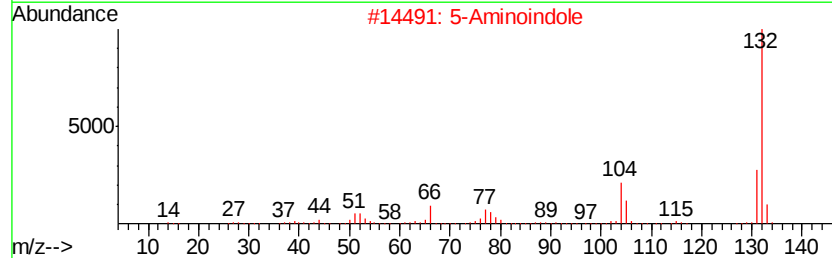
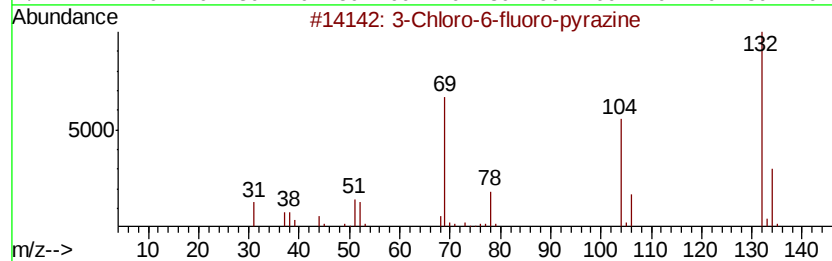
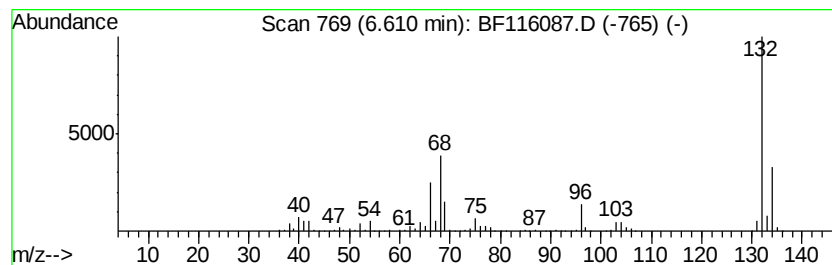
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.61 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	33.78 ng	1212430	1,4-Dichlorobenzene-d4	6.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Aminoindole	132	C8H8N2	005192-03-0	22
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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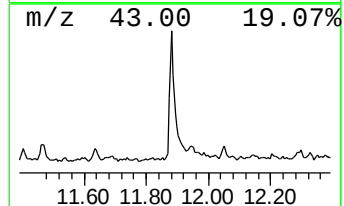
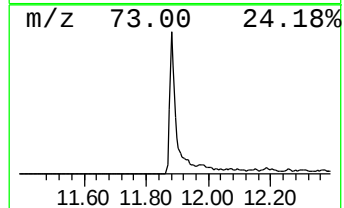
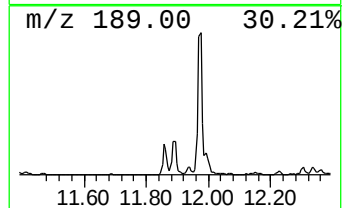
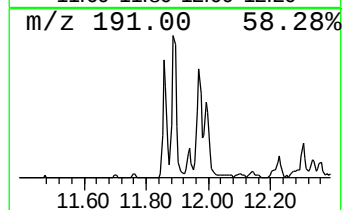
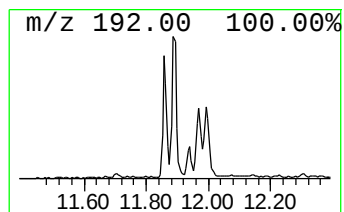
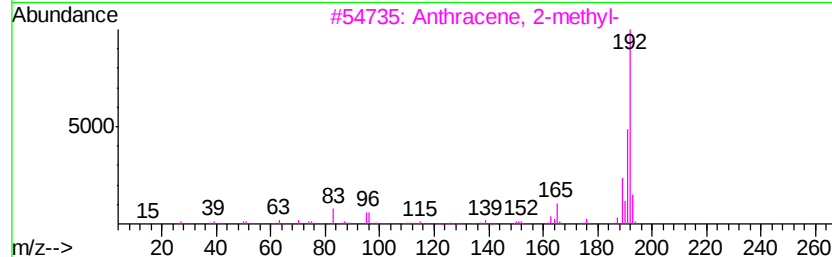
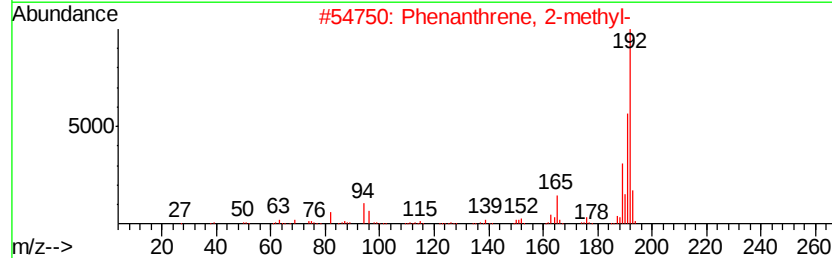
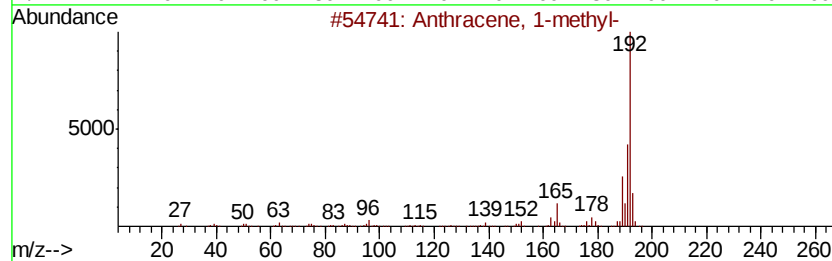
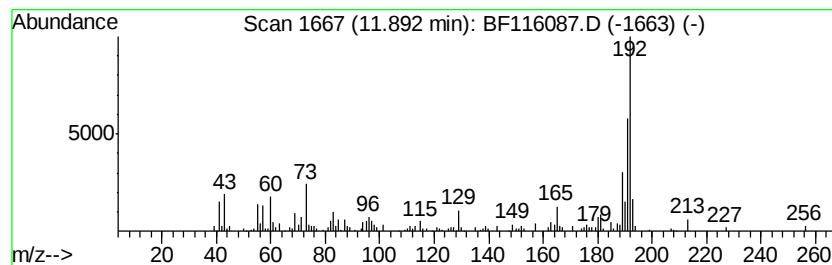
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Anthracene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	5.15 ng	321201	Phenanthrene-d10	11.36

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



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Data File : BF116087.D
Acq On : 9 Aug 2019 00:18
Operator : HP/JU
Sample : K4154-10 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

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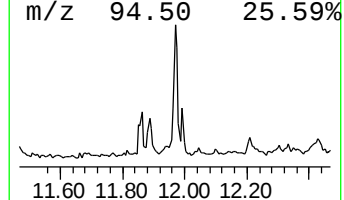
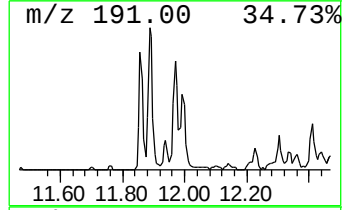
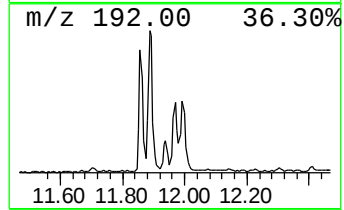
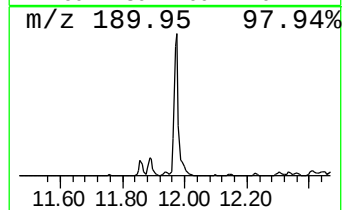
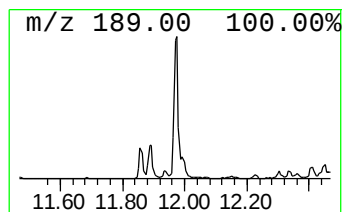
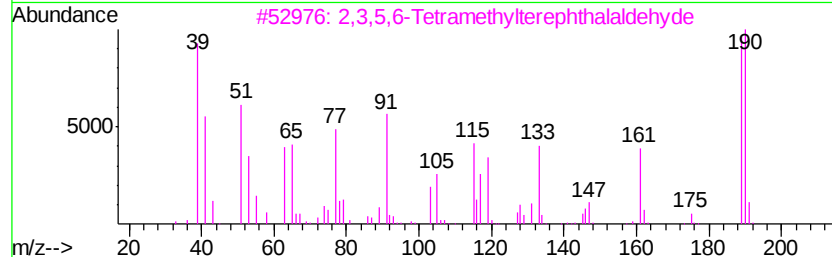
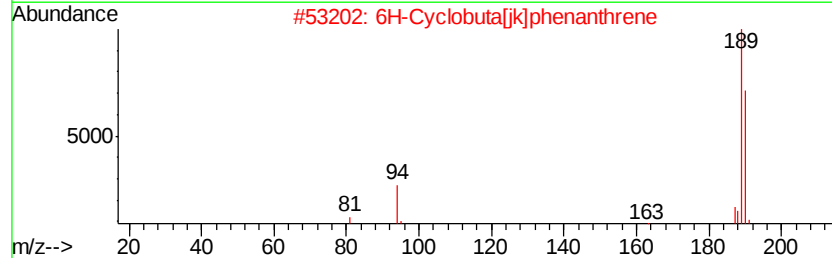
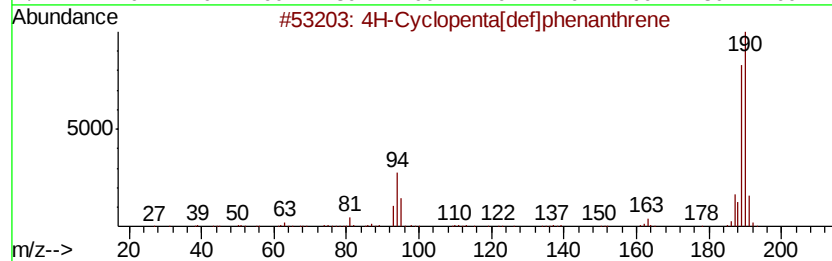
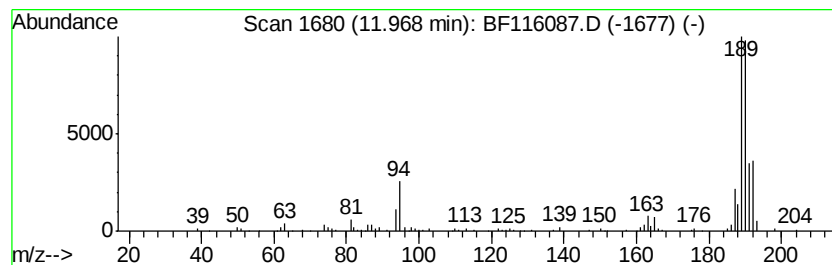
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	3.34 ng	208437	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	49
4		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5		1,1'-Biphenyl, 4,4'-difluoro-	190	C12H8F2	000398-23-2	23



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
Data File : BF116087.D
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ALS Vial : 14 Sample Multiplier: 1

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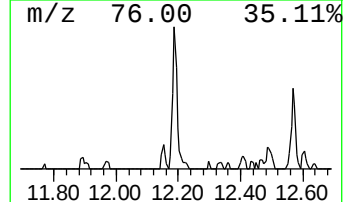
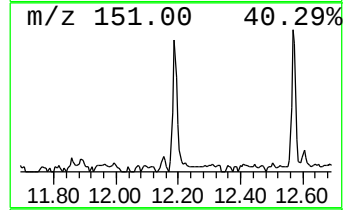
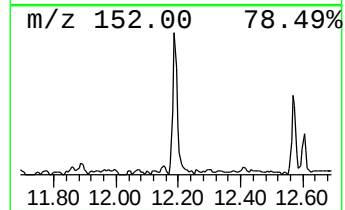
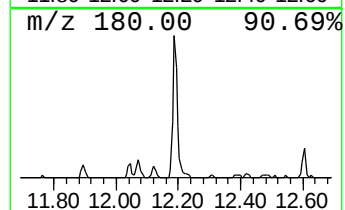
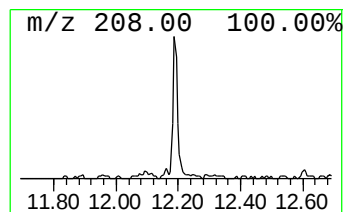
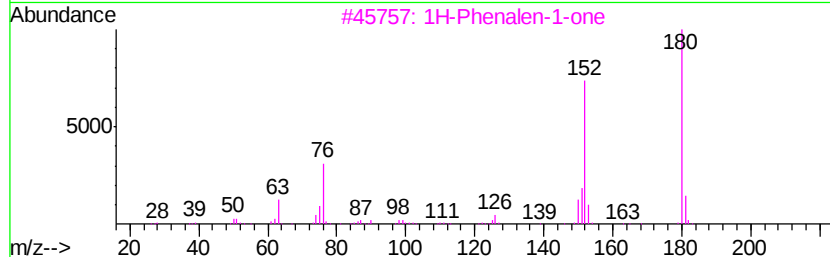
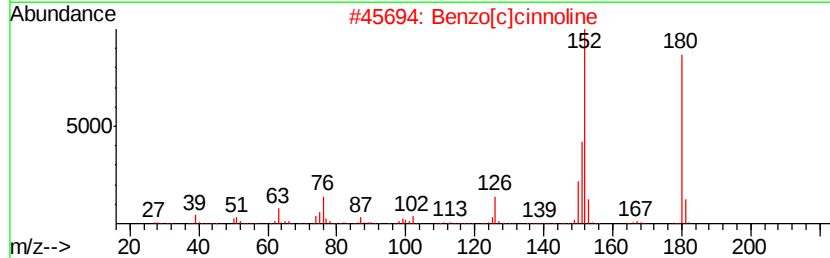
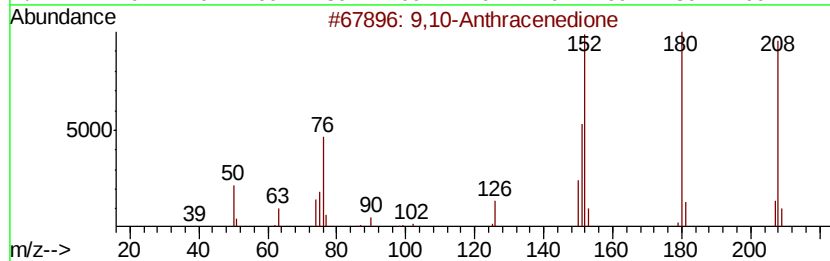
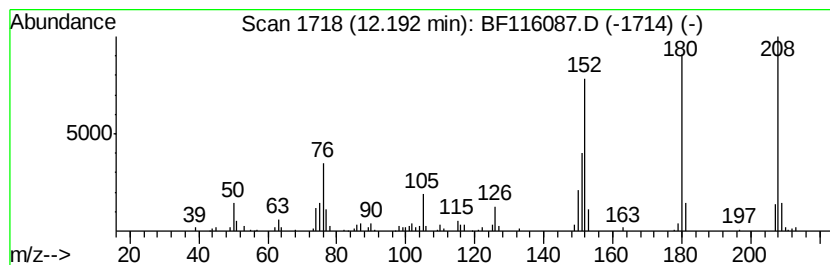
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 9,10-Anthracenedione Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	2.97 ng	185289	Phenanthrene-d10	11.36

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	95
3			1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
4			9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	60
5			Benzo[h]cinnoline	180	C12H8N2	000230-31-9	55



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
Data File : BF116087.D
Acq On : 9 Aug 2019 00:18
Operator : HP/JU
Sample : K4154-10 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

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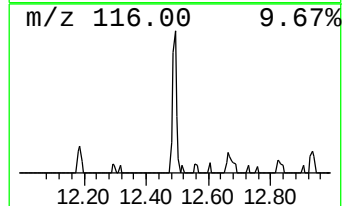
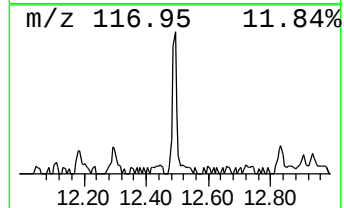
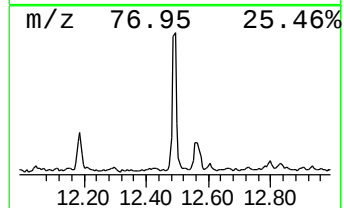
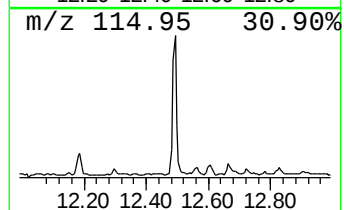
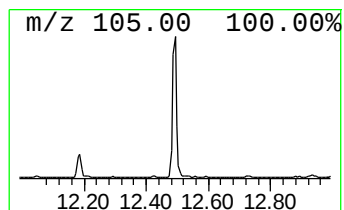
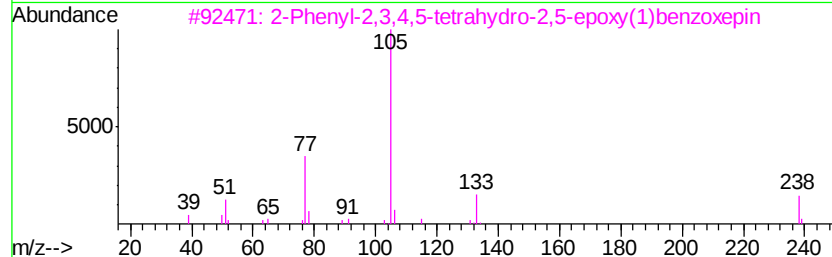
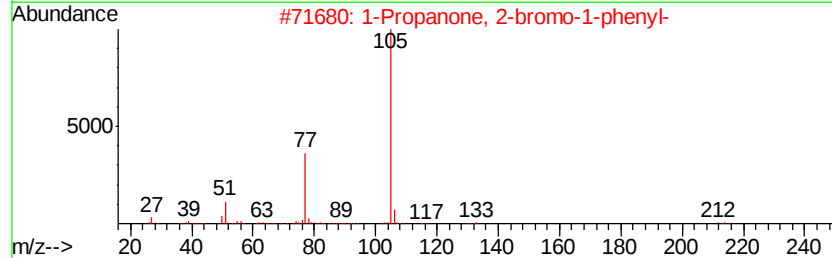
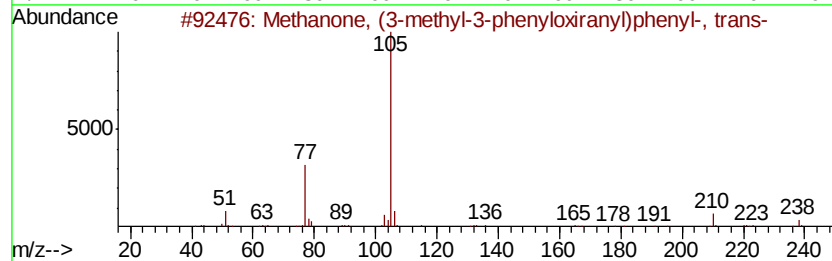
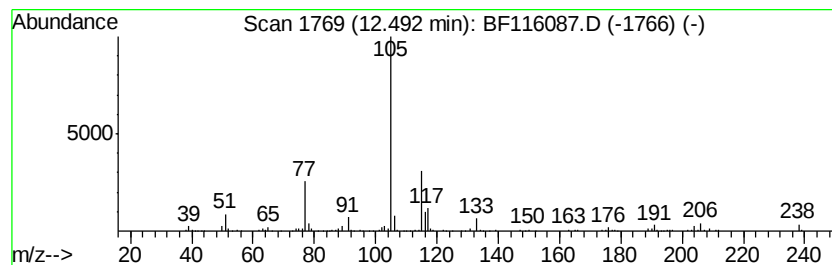
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 unknown12.49 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	3.25 ng	202752	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Methanone, (3-methyl-3-phenyloxi...	238	C16H14O2	019804-81-0	41
2		1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	38
3		2-Phenyl-2,3,4,5-tetrahydro-2,5-...	238	C16H14O2	1000145-30-9	38
4		[2-(2-Hydroxyphenyl)cyclopropyl]...	238	C16H14O2	1000145-30-8	38
5		Benzhydrazide, N2-benzoyl-2-brom...	439	C20H14BrN3O4	145933-17-1	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
Data File : BF116087.D
Acq On : 9 Aug 2019 00:18
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Misc :
ALS Vial : 14 Sample Multiplier: 1

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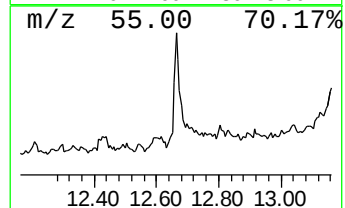
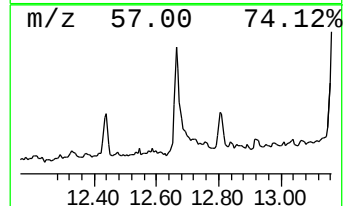
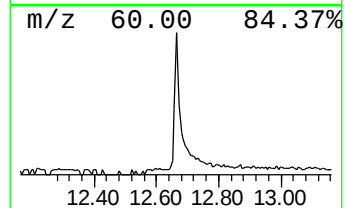
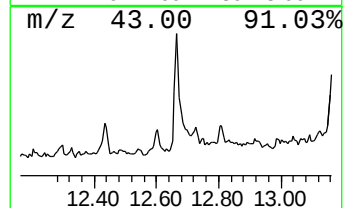
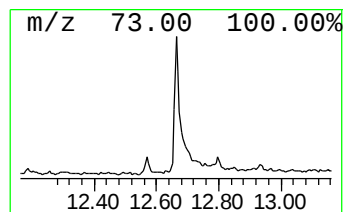
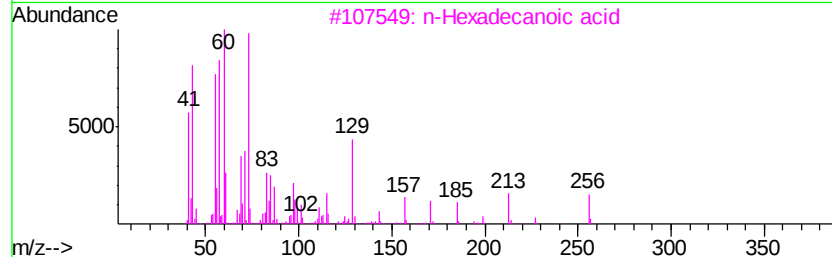
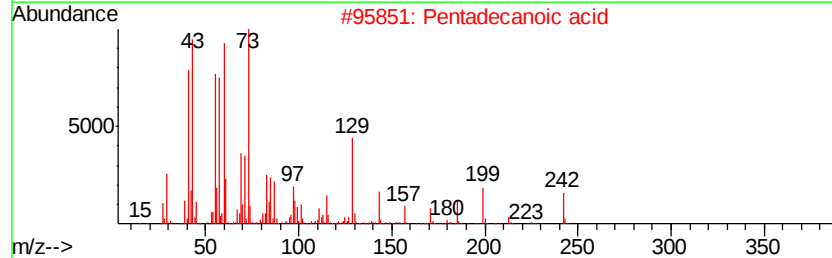
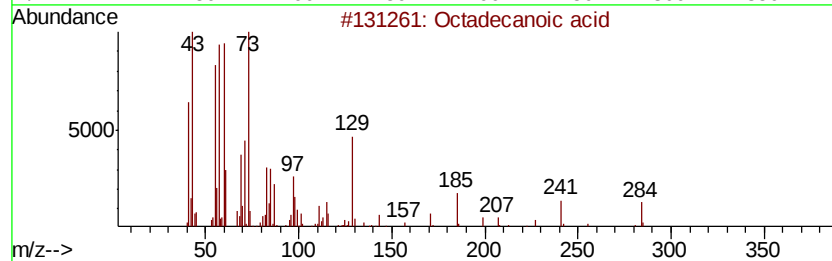
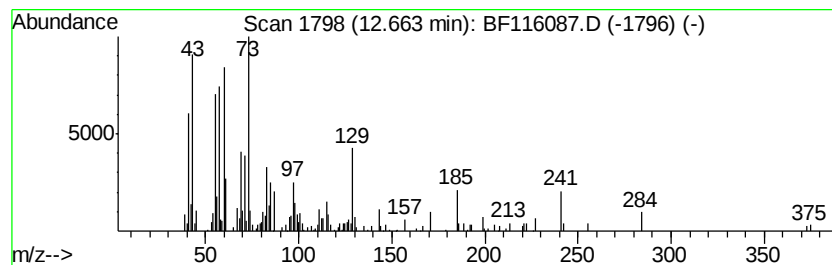
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Octadecanoic acid Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.66	3.16 ng	196824	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2		Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	87
4		Tetradecanoic acid	228	C14H28O2	000544-63-8	87
5		Octadecanoic acid, 2-(2-hydroxy...	372	C22H44O4	000106-11-6	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
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Instrument :
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ClientSampleId :
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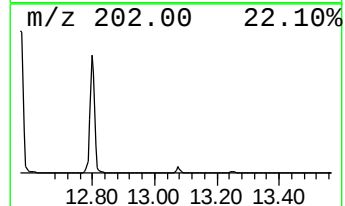
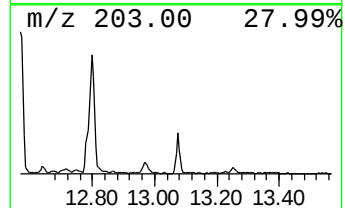
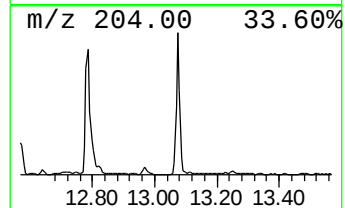
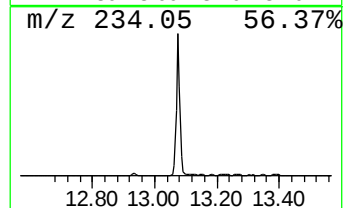
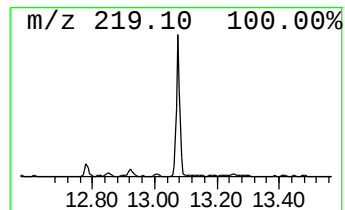
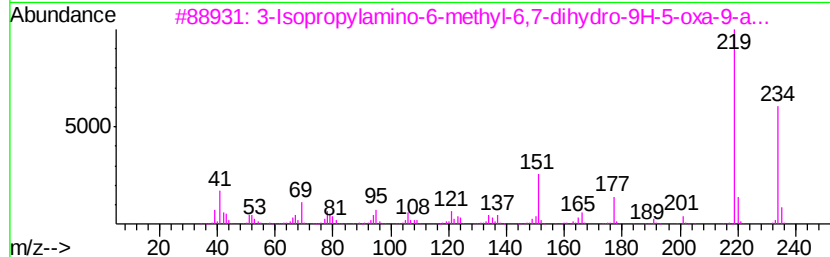
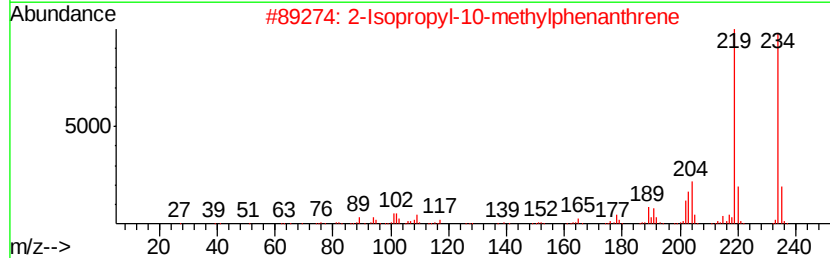
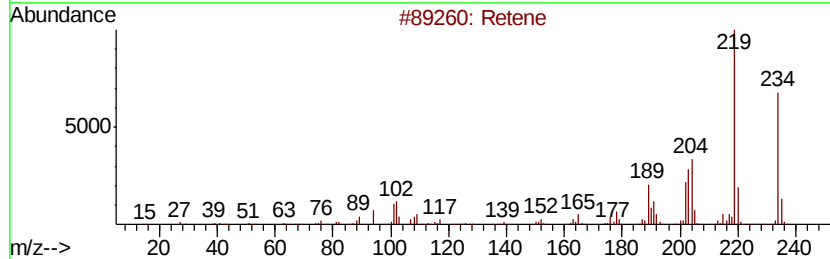
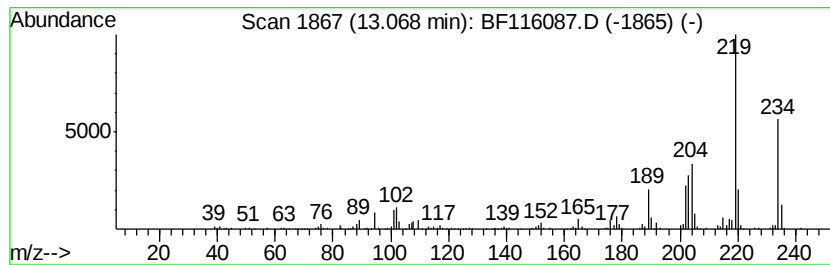
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Retene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	7.18 ng	554850	Chrysene-d12	14.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Retene	234	C18H18	000483-65-8	96
2		2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	94
3		3-Isopropylamino-6-methyl-6,7-di...	234	C13H18N2O2	145220-69-5	47
4		3,5-di-tert-Butyl-4-hydroxybenza...	234	C15H22O2	001620-98-0	47
5		2-tert-Butyl-4-hexylphenol	234	C16H26O	1000224-36-4	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
Data File : BF116087.D
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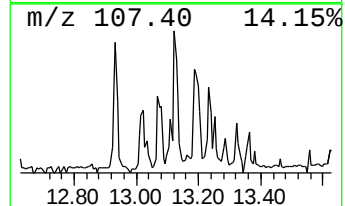
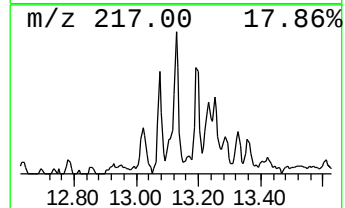
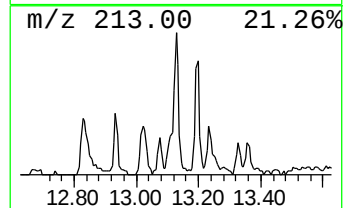
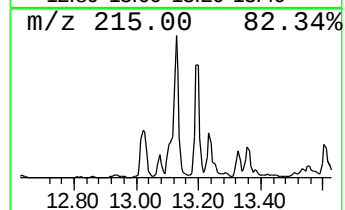
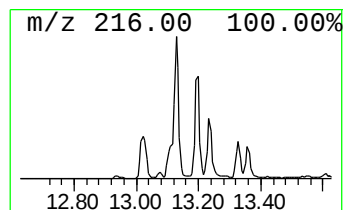
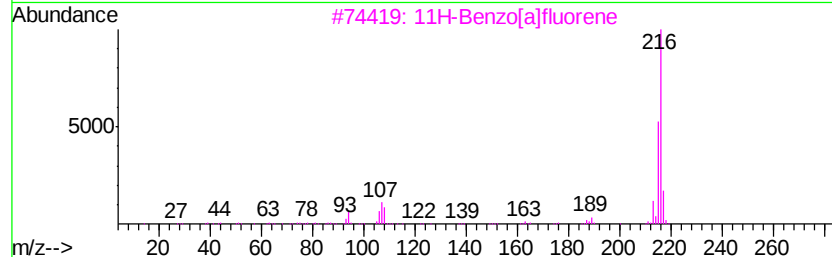
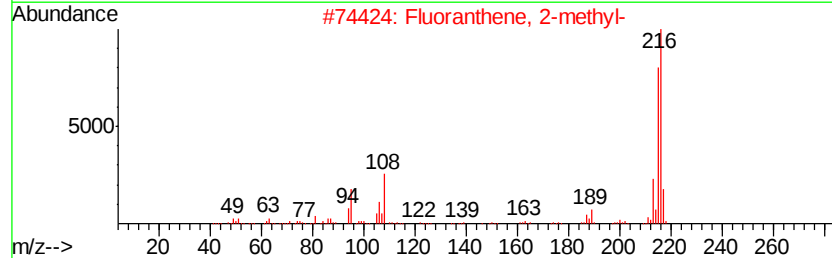
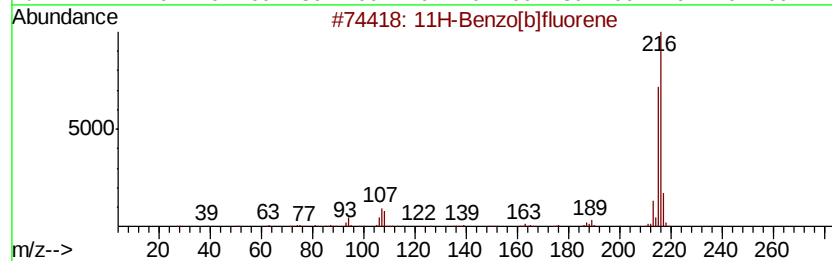
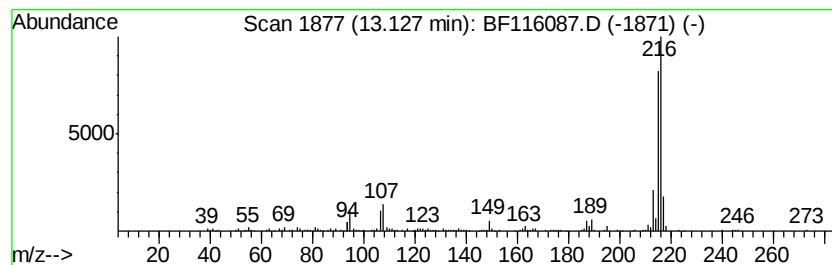
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	4.77 ng	368556	Chrysene-d12	14.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4		Pvrene, 1-methyl-	216	C17H12	002381-21-7	93
5		4-((2-Methylphenyl)diazenyl)-1...	216	C10H12N6	1000332-58-9	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
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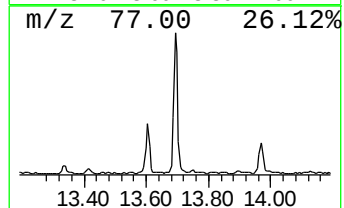
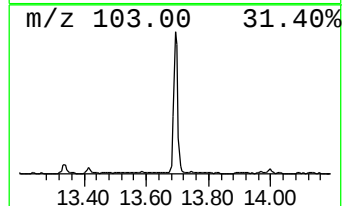
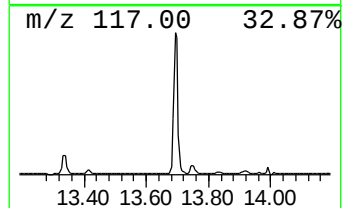
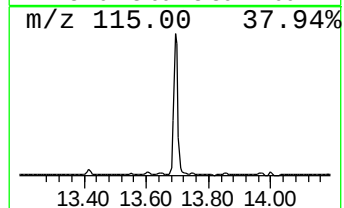
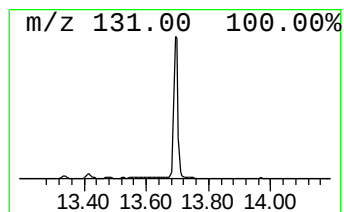
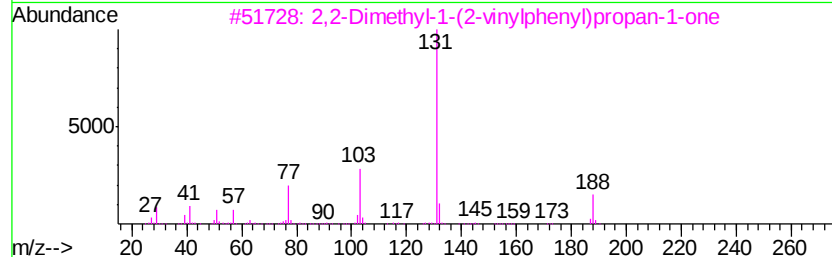
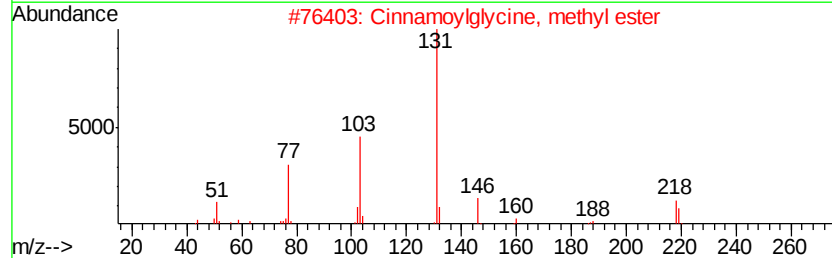
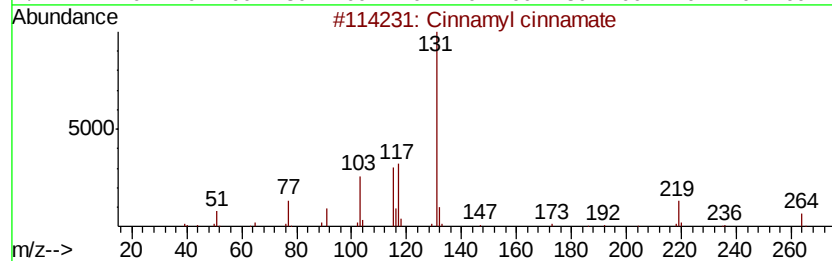
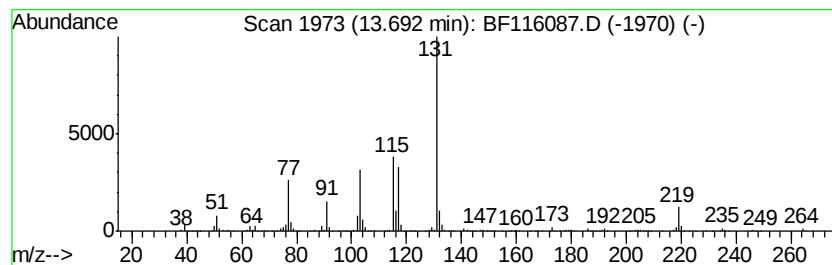
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ClientSampleId :
PS-10

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 11 Cinnamyl cinnamate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.69	12.11 ng	935753	Chrysene-d12	14.00		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cinnamyl cinnamate	264	C18H16O2	000122-69-0	87	
2	Cinnamoylglycine, methyl ester	219	C12H13NO3	040778-04-9	70	
3	2,2-Dimethyl-1-(2-vinylphenyl)pr...	188	C13H16O	1000210-99-9	52	
4	1-Penten-3-one, 4-methyl-1-phenyl-	174	C12H14O	003160-32-5	50	
5	Oxalic acid, monoamide monohydra...	323	C18H17N3O3	1000294-01-4	50	



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
Data File : BF116087.D
Acq On : 9 Aug 2019 00:18
Operator : HP/JU
Sample : K4154-10 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

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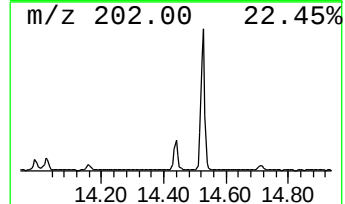
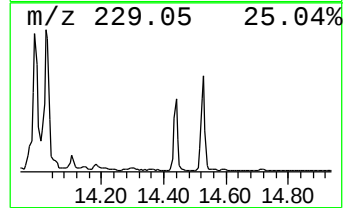
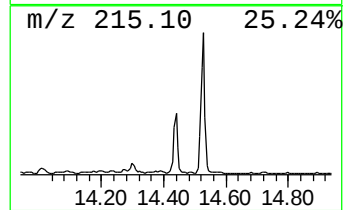
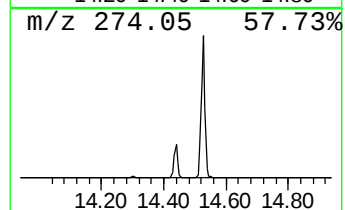
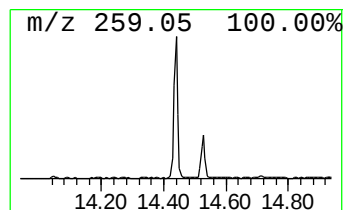
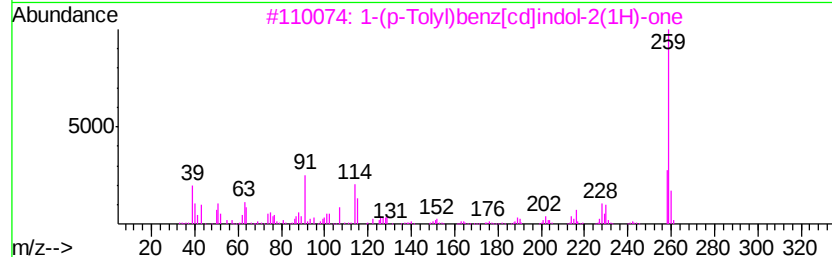
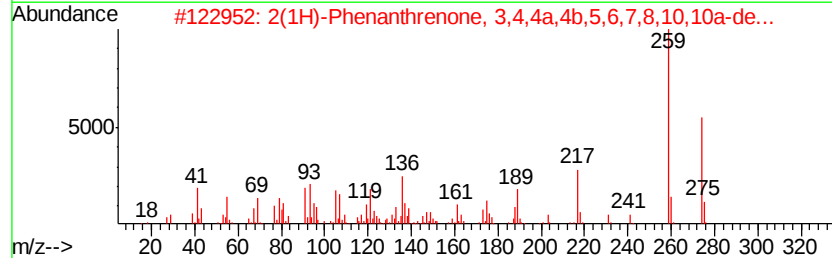
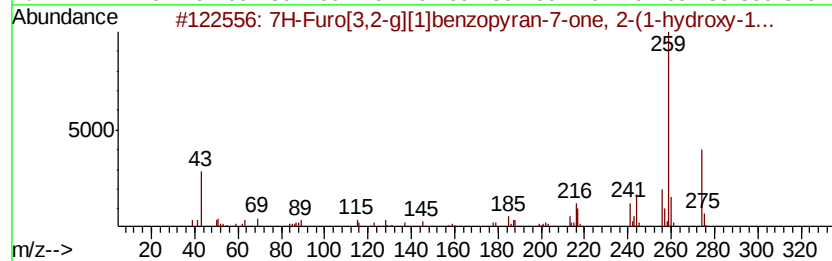
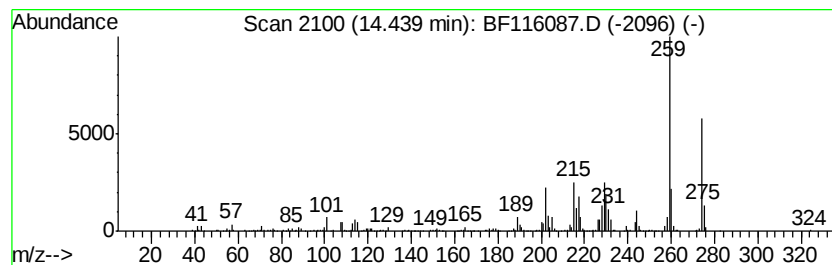
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 7H-Furo[3,2-g][1]benzopyran... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.44	8.64 ng	667823	Chrysene-d12	14.00

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			7H-Furo[3,2-g][1]benzopyran-7-on...	274	C15H14O5	054087-32-0	53
2			2(1H)-Phenanthrenone, 3,4,4a,4b,...	274	C19H30O	007715-44-8	49
3			1-(p-Tolyl)benz[cd]indol-2(1H)-one	259	C18H13NO	001710-21-0	38
4			Benzonitrile, 3-(2-methyl-3-indo...	259	C17H13N3	303769-21-3	35
5			9-Methyl-3-phenyl-9H-pyridazino(...	259	C17H13N3	003980-90-3	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
Data File : BF116087.D
Acq On : 9 Aug 2019 00:18
Operator : HP/JU
Sample : K4154-10 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PS-10

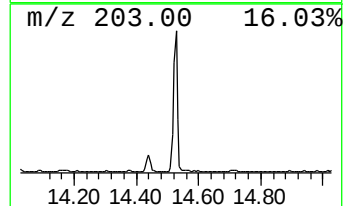
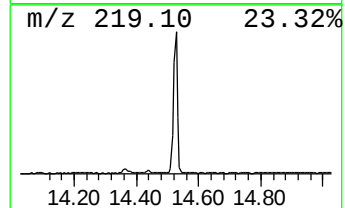
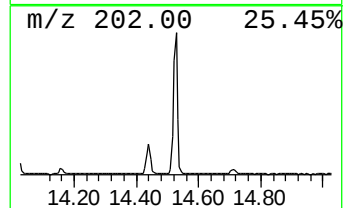
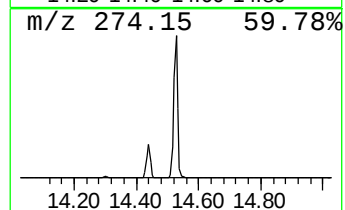
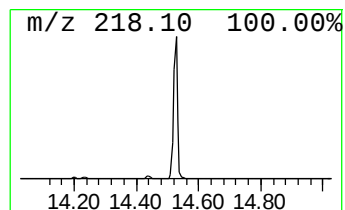
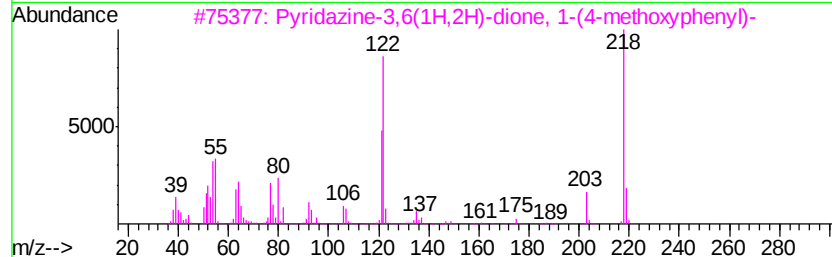
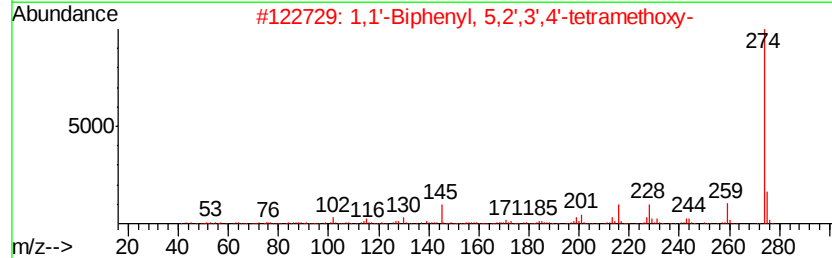
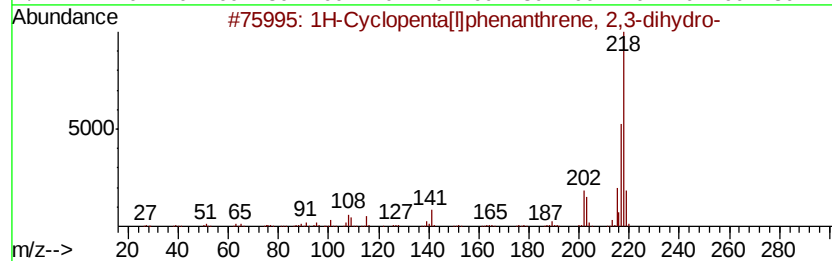
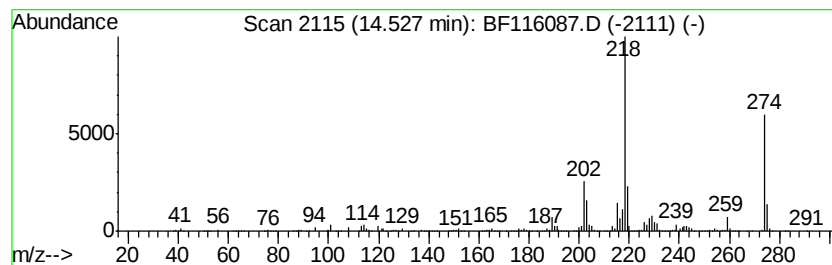
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown14.53 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.53	21.20 ng	1638270	Chrysene-d12	14.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Cyclopenta[1]phenanthrene, 2,...	218	C17H14	000723-98-8	47
2		1,1'-Biphenyl, 5,2',3',4'-tetram...	274	C16H18O4	119101-30-3	44
3		Pyridazine-3,6(1H,2H)-dione, 1-(...	218	C11H10N2O3	060399-10-2	43
4		9-Phenyl-5H-benzocycloheptene	218	C17H14	138089-71-1	43
5		7b-Phenyl-2a,7b-dihydro-3H-cyclo...	218	C17H14	138089-70-0	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
Data File : BF116087.D
Acq On : 9 Aug 2019 00:18
Operator : HP/JU
Sample : K4154-10 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

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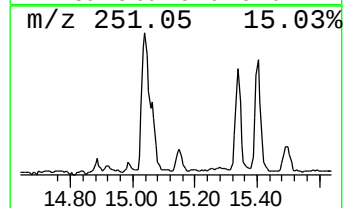
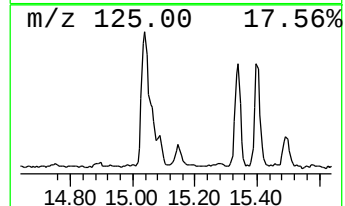
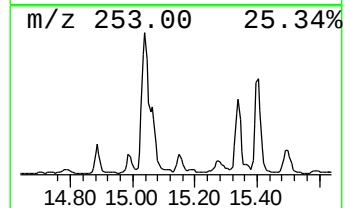
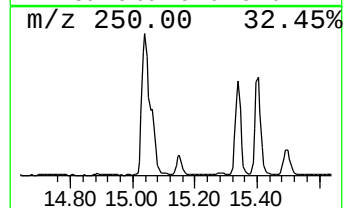
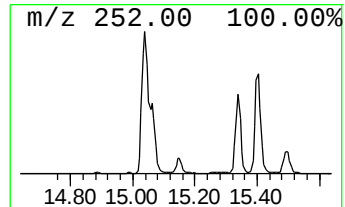
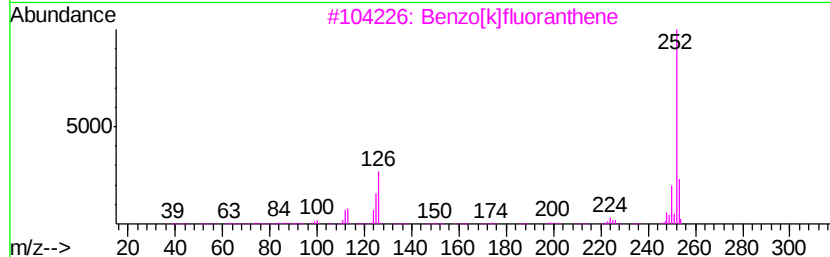
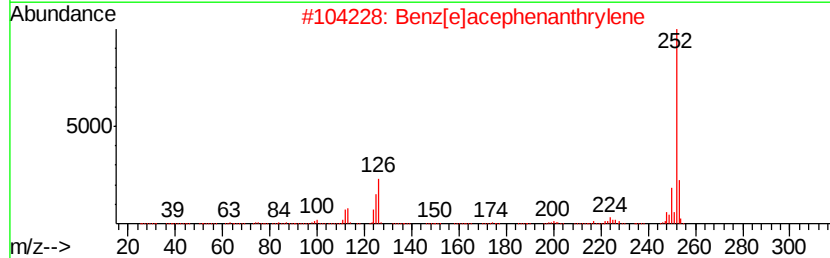
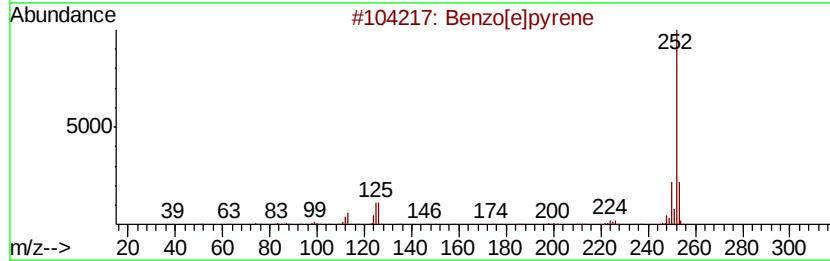
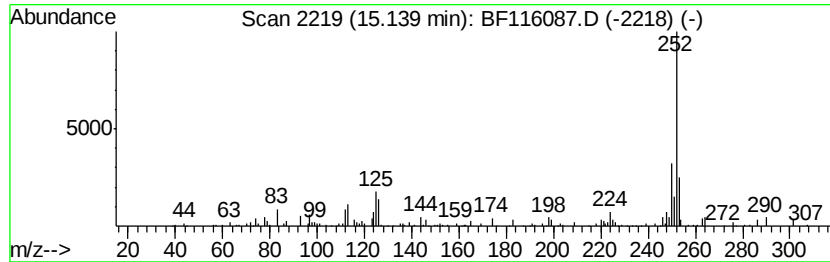
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Benzo[e]pyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	2.98 ng	144516	Perylene-d12	15.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4		Benzo[a]pyrene	252	C20H12	000050-32-8	91
5		Perylene	252	C20H12	000198-55-0	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
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Operator : HP/JU
Sample : K4154-10 2X
Misc :
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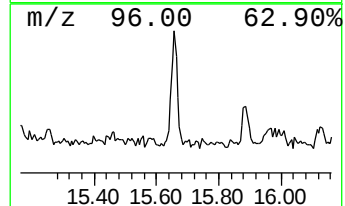
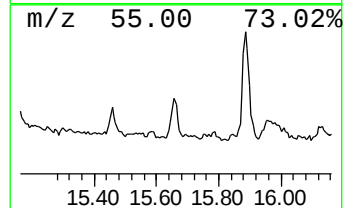
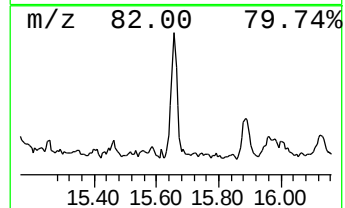
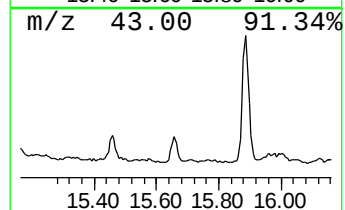
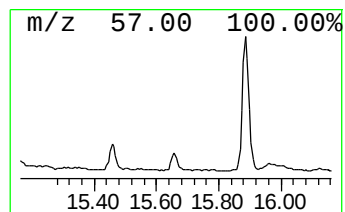
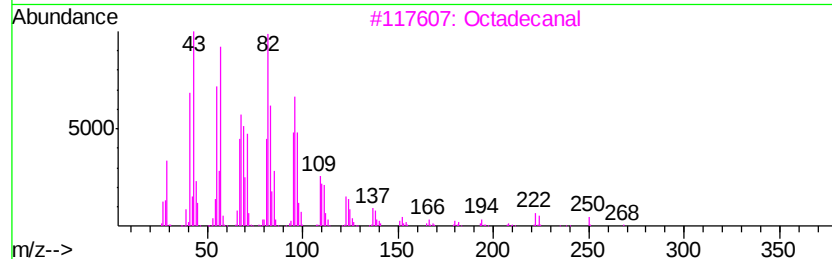
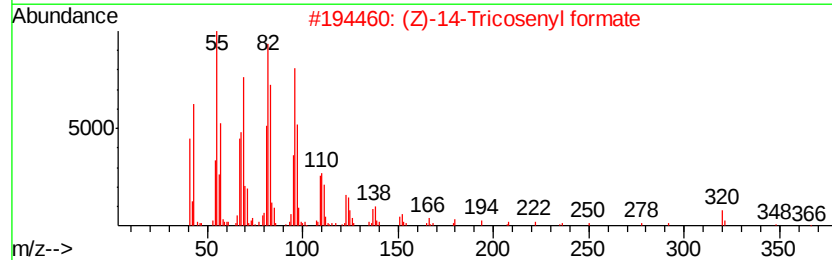
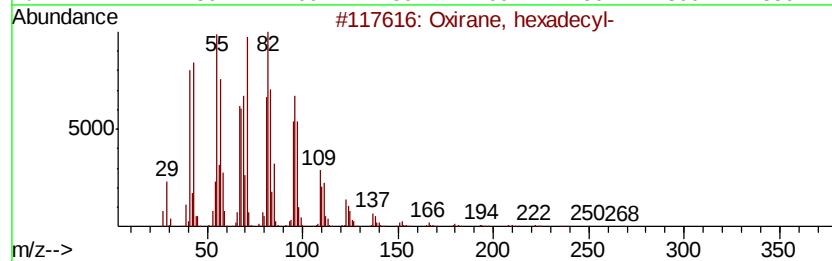
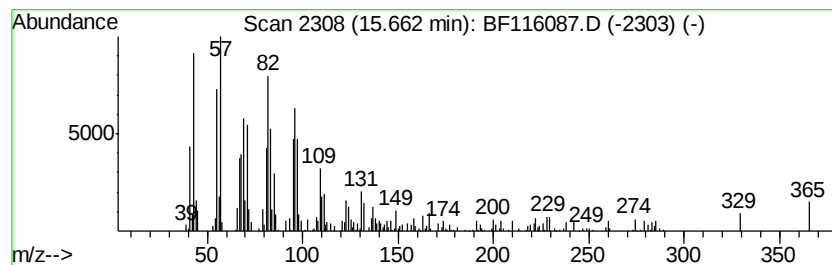
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Oxirane, hexadecyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	3.20 ng	155570	Perylene-d12	15.46
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Oxirane, hexadecyl-	268 C18H36O	007390-81-0 91
2		(Z)-14-Tricosenyl formate	366 C24H46O2	077899-10-6 89
3		Octadecanal	268 C18H36O	000638-66-4 87
4		Heptadecanal	254 C17H34O	1000376-70-0 80
5		1,19-Eicosadiene	278 C20H38	014811-95-1 74



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
 Data File : BF116087.D
 Acq On : 9 Aug 2019 00:18
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 Misc :
 ALS Vial : 14 Sample Multiplier: 1

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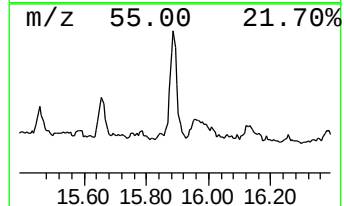
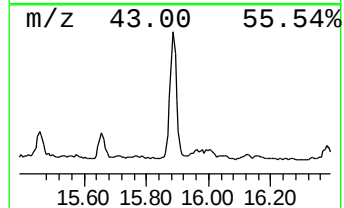
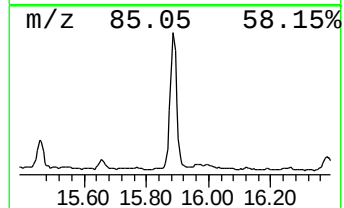
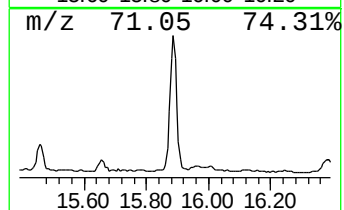
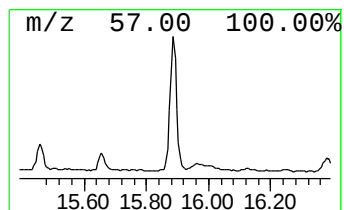
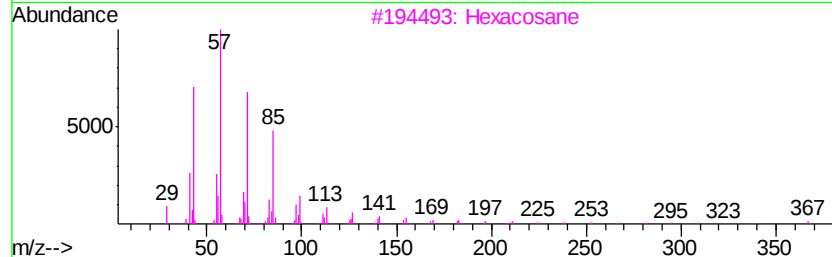
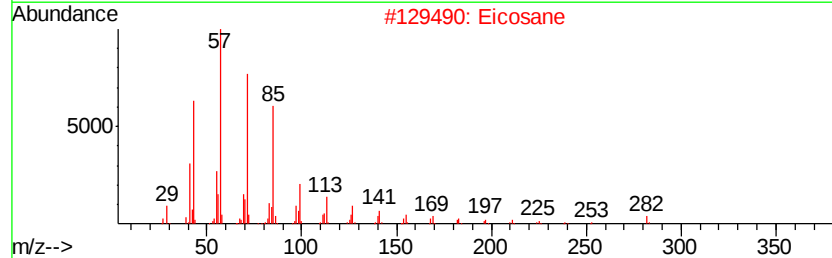
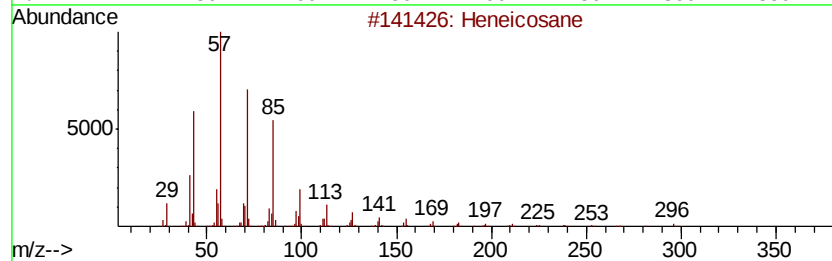
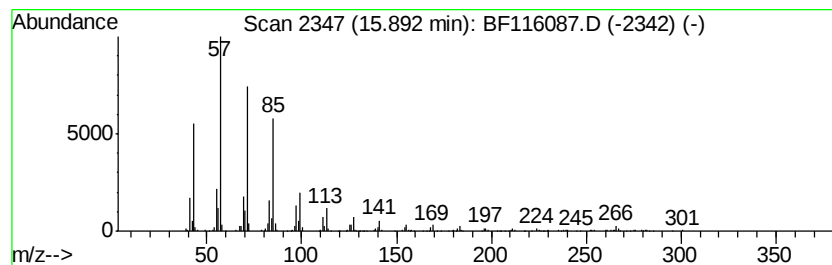
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 17 Heneicosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	10.80 ng	524458	Perylene-d12	15.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	91
2		Eicosane	282	C20H42	000112-95-8	91
3		Hexacosane	366	C26H54	000630-01-3	91
4		Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	91
5		Tetratetracontane	619	C44H90	007098-22-8	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
Data File : BF116087.D
Acq On : 9 Aug 2019 00:18
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Sample : K4154-10 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

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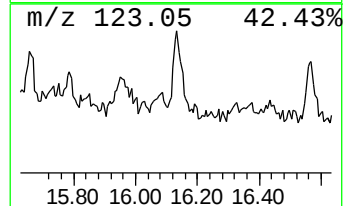
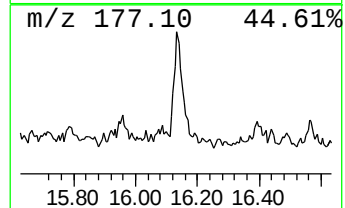
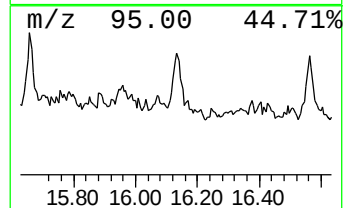
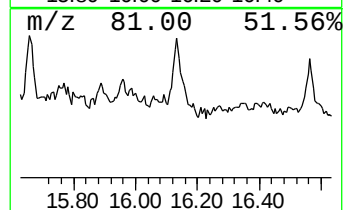
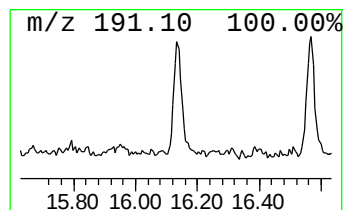
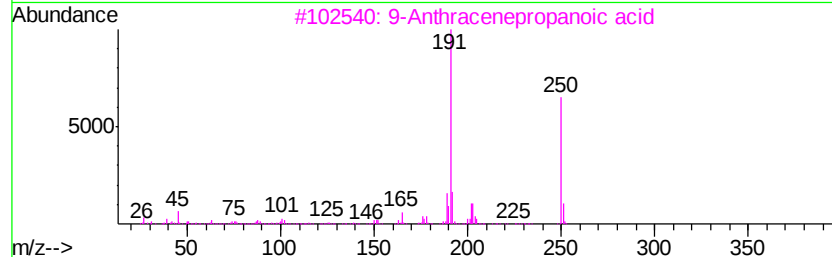
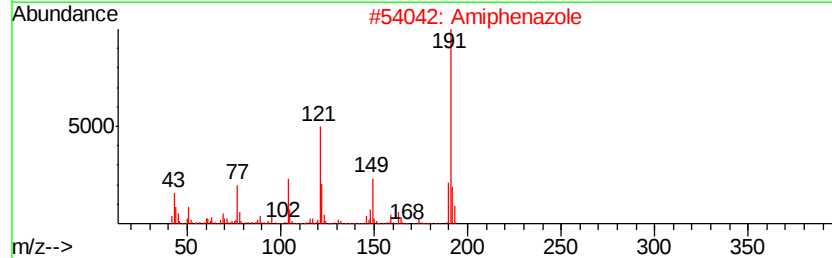
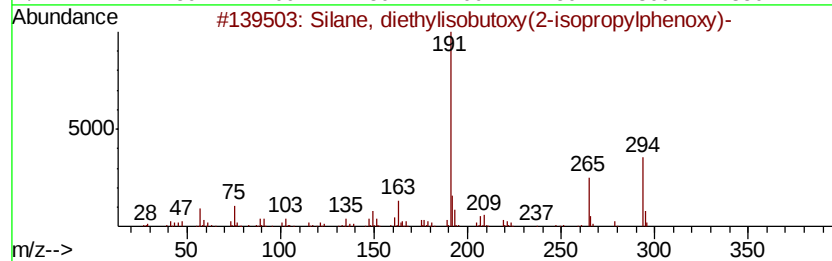
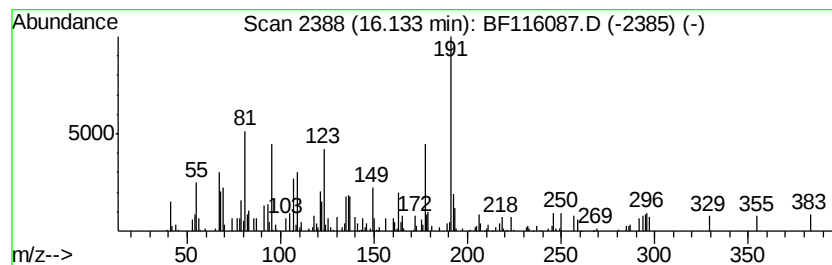
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 unknown16.13 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.13	3.23 ng	156881	Perylene-d12	15.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Silane, diethylisobutoxy(2-isopr...	294	C17H30O2Si	1000363-84-6	41
2		Amiphenazole	191	C9H9N3S	000490-55-1	38
3		9-Anthracenepropanoic acid	250	C17H14O2	041034-83-7	30
4		N-[[2-Oxo-1,2'-bi(tricyclo[3.3.1...	355	C23H33NO2	1000305-39-6	30
5		1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	27



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
Data File : BF116087.D
Acq On : 9 Aug 2019 00:18
Operator : HP/JU
Sample : K4154-10 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

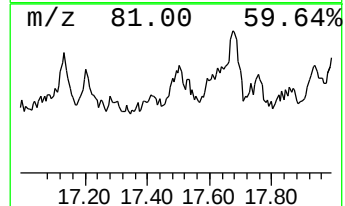
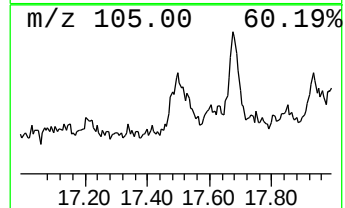
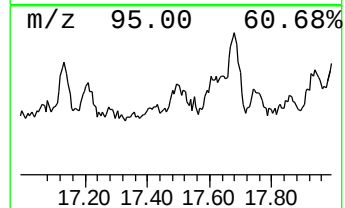
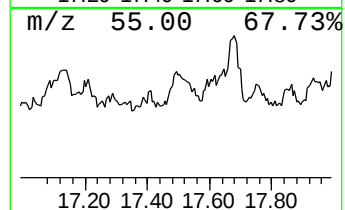
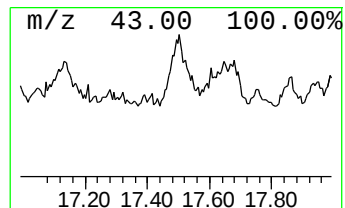
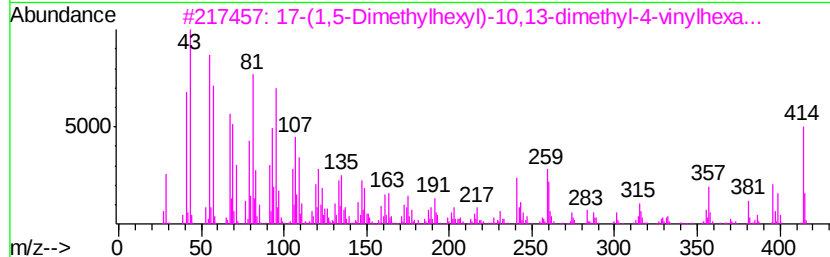
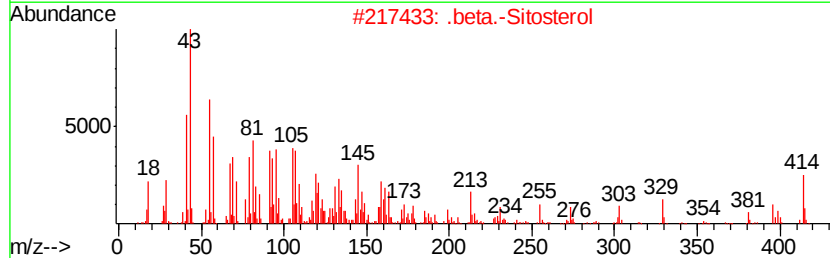
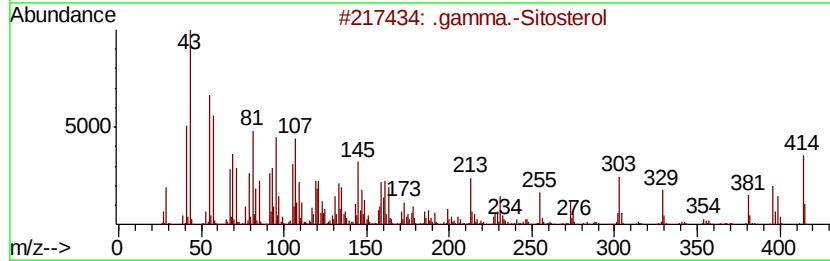
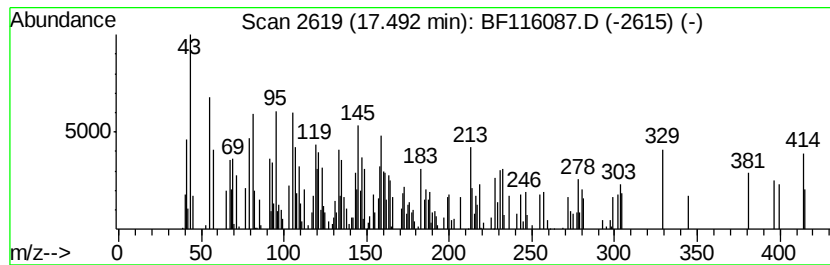
Instrument :
BNA_F
ClientSampleId :
PS-10

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

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

Peak Number 19 .gamma.-Sitosterol Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.49	4.34 ng	210668	Perylene-d12	15.46	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.gamma.-Sitosterol	414	C29H50O	000083-47-6	70
2	.beta.-Sitosterol	414	C29H50O	000083-46-5	41
3	17-(1,5-Dimethylhexyl)-10,13-dim...	414	C29H50O	1000210-86-9	35
4	Stigmastan-3-en-6-ol	414	C29H50O	1000214-19-7	20
5	22,26-Oxido-4,17-cholestadien-3....	414	C27H42O3	1000252-80-4	18



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
Data File : BF116087.D
Acq On : 9 Aug 2019 00:18
Operator : HP/JU
Sample : K4154-10 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PS-10

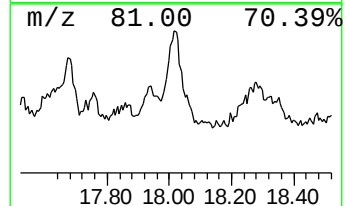
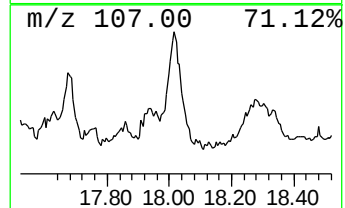
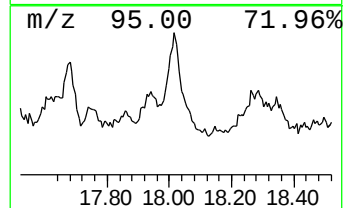
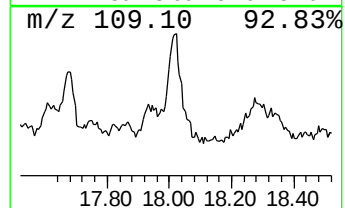
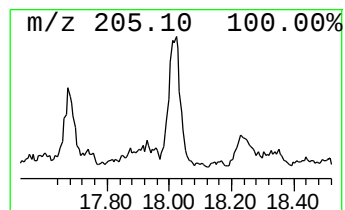
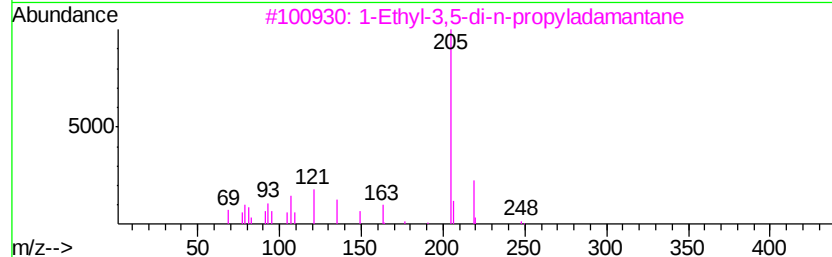
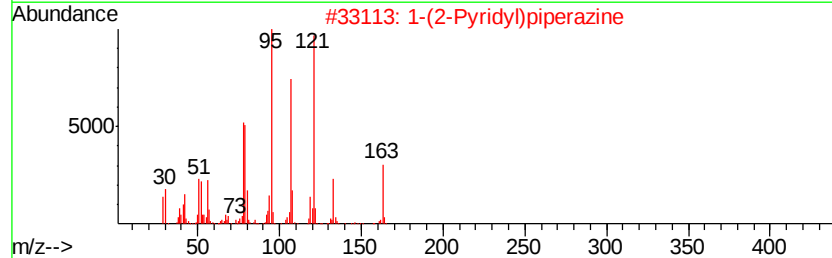
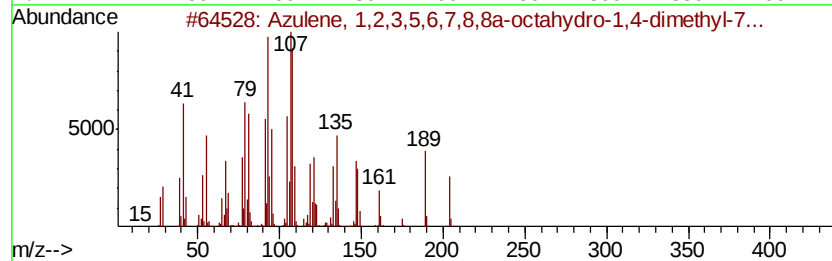
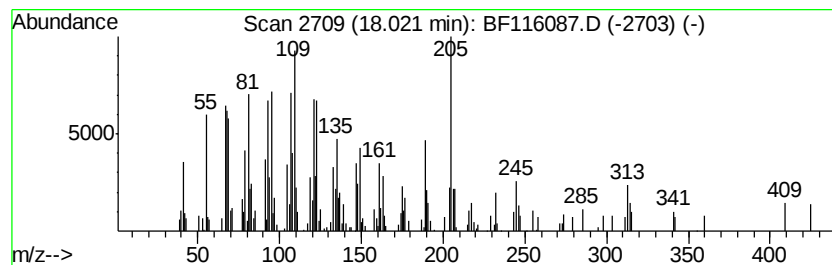
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Azulene, 1,2,3,5,6,7,8,8a-o... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.02	11.52 ng	559244	Perylene-d12	15.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Azulene, 1,2,3,5,6,7,8,8a-octahv...	204	C15H24	003691-11-0	62
2		1-(2-Pyridyl)piperazine	163	C9H13N3	034803-66-2	43
3		1-Ethyl-3,5-di-n-propyladamantane	248	C18H32	1000215-00-4	43
4		1-Isopropenyl-3-propenylcyclopent...	150	C11H18	1000192-81-2	38
5		2,3,3-Trimethyl-2-(3-methyl-buta...	206	C14H22O	1000193-60-6	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080819\
 Data File : BF116087.D
 Acq On : 9 Aug 2019 00:18
 Operator : HP/JU
 Sample : K4154-10 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PS-10

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
(1R)-2,6,6-Trimet...	6.12	7.9 ng		285105	1	6.84	717806	20.0
unknown6.61	6.61	33.8 ng		1212430	1	6.84	717806	20.0
Anthracene, 1-met...	11.89	5.2 ng		321201	4	11.36	1246650	20.0
4H-Cyclopenta[def...	11.97	3.3 ng		208437	4	11.36	1246650	20.0
9,10-Anthracenedione	12.19	3.0 ng		185289	4	11.36	1246650	20.0
unknown12.49	12.49	3.3 ng		202752	4	11.36	1246650	20.0
Octadecanoic acid	12.66	3.2 ng		196824	4	11.36	1246650	20.0
Retene	13.07	7.2 ng		554850	5	14.00	1545600	20.0
11H-Benzo[b]fluorene	13.13	4.8 ng		368556	5	14.00	1545600	20.0
Cinnamyl cinnamate	13.69	12.1 ng		935753	5	14.00	1545600	20.0
7H-Furo[3,2-g][1]...	14.44	8.6 ng		667823	5	14.00	1545600	20.0
unknown14.53	14.53	21.2 ng		1638270	5	14.00	1545600	20.0
Benzo[e]pyrene	15.14	3.0 ng		144516	6	15.46	971140	20.0
Oxirane, hexadecyl-	15.66	3.2 ng		155570	6	15.46	971140	20.0
Heneicosane	15.89	10.8 ng		524458	6	15.46	971140	20.0
unknown16.13	16.13	3.2 ng		156881	6	15.46	971140	20.0
.gamma.-Sitosterol	17.49	4.3 ng		210668	6	15.46	971140	20.0
Azulene, 1,2,3,5,...	18.02	11.5 ng		559244	6	15.46	971140	20.0