

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF060719\
 Data File : BF114914.D
 Acq On : 8 Jun 2019 2:18
 Operator : HP/JU
 Sample : K3158-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-060619

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-BF060419.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	3.587	247	255	264	rBV	376214	600285	18.12%	1.242%
2	5.263	536	540	544	rBV	2852010	2728680	82.36%	5.648%
3	6.298	711	716	719	rBV	3242668	2754266	83.14%	5.701%
4	6.428	734	738	741	rBV	3564978	3002437	90.63%	6.214%
5	6.657	774	777	781	rBV	2161094	1819072	54.91%	3.765%
6	6.816	800	804	807	rBV	2983231	2402610	72.52%	4.973%
7	7.216	868	872	875	rBV	2086890	1728247	52.17%	3.577%
8	7.939	991	995	998	rBV	2965975	2319575	70.02%	4.801%
9	8.651	1112	1116	1120	rVB2	43934	45442	1.37%	0.094%
10	8.745	1129	1132	1137	rVB2	42602	46693	1.41%	0.097%
11	9.016	1174	1178	1181	rBV	3943274	3312927	100.00%	6.857%
12	9.275	1218	1222	1225	rBV2	41603	54685	1.65%	0.113%
13	9.345	1229	1234	1237	rBV	65941	78258	2.36%	0.162%
14	9.410	1241	1245	1247	rBV	278767	262779	7.93%	0.544%
15	9.545	1265	1268	1272	rBV	273188	245067	7.40%	0.507%
16	9.639	1281	1284	1286	rBV	71979	60180	1.82%	0.125%
17	9.686	1288	1292	1295	rVV	2782039	2322514	70.10%	4.807%
18	9.716	1295	1297	1301	rVB	103695	99569	3.01%	0.206%
19	9.792	1307	1310	1314	rBV3	29843	48006	1.45%	0.099%
20	9.886	1322	1326	1330	rVB	70382	91629	2.77%	0.190%
21	9.928	1330	1333	1336	rVB	51874	38387	1.16%	0.079%
22	10.004	1342	1346	1349	rBV3	53978	81978	2.47%	0.170%
23	10.133	1366	1368	1371	rBV	127132	87722	2.65%	0.182%
24	10.228	1381	1384	1387	rBV2	93147	84158	2.54%	0.174%
25	10.357	1402	1406	1408	rVB2	48298	62767	1.89%	0.130%
26	10.463	1421	1424	1430	rBV	1713479	1566730	47.29%	3.243%
27	10.604	1444	1448	1450	rBV3	114469	121102	3.66%	0.251%
28	10.798	1479	1481	1485	rBV3	49470	53541	1.62%	0.111%
29	10.857	1488	1491	1494	rVB2	38305	41148	1.24%	0.085%
30	10.963	1507	1509	1514	rVB3	35511	41843	1.26%	0.087%
31	11.051	1521	1524	1527	rBV2	163771	142097	4.29%	0.294%
32	11.080	1527	1529	1532	rVB	77229	68077	2.05%	0.141%
33	11.157	1538	1542	1544	rBV	2309965	1966399	59.36%	4.070%
34	11.180	1544	1546	1550	rVV	864057	676571	20.42%	1.400%

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35	11.233	1551	1555	1558	rVB	256125	233747	7.06%	0.484%
36	11.269	1558	1561	1564	rBV3	49425	53044	1.60%	0.110%
37	11.386	1579	1581	1585	rBV	54745	47247	1.43%	0.098%
38	11.475	1594	1596	1601	rVB2	132779	163565	4.94%	0.339%
39	11.569	1609	1612	1615	rVB	84198	75995	2.29%	0.157%
40	11.657	1624	1627	1630	rBV2	181276	173757	5.24%	0.360%
41	11.686	1630	1632	1633	rVV	233155	180097	5.44%	0.373%
42	11.704	1633	1635	1638	rVV	168732	165224	4.99%	0.342%
43	11.733	1638	1640	1642	rVV	102889	83368	2.52%	0.173%
44	11.769	1642	1646	1648	rVV2	322734	353698	10.68%	0.732%
45	11.792	1648	1650	1652	rVB	142892	113220	3.42%	0.234%
46	11.880	1662	1665	1669	rVB2	137780	160508	4.84%	0.332%
47	11.951	1674	1677	1679	rVV	110975	109457	3.30%	0.227%
48	11.969	1679	1680	1688	rVB3	114529	137964	4.16%	0.286%
49	12.033	1688	1691	1692	rBV2	37525	37951	1.15%	0.079%
50	12.080	1697	1699	1701	rBV	58122	56179	1.70%	0.116%
51	12.133	1705	1708	1710	rBV	72841	73273	2.21%	0.152%
52	12.157	1710	1712	1715	rVB	76075	60979	1.84%	0.126%
53	12.204	1717	1720	1723	rBV	238650	235535	7.11%	0.487%
54	12.245	1723	1727	1728	rBV2	124678	156953	4.74%	0.325%
55	12.269	1728	1731	1739	rVB6	257628	421650	12.73%	0.873%
56	12.363	1743	1747	1751	rBV	1375317	1195354	36.08%	2.474%
57	12.410	1753	1755	1760	rBV5	68692	104124	3.14%	0.216%
58	12.451	1760	1762	1765	rBV	98345	86351	2.61%	0.179%
59	12.492	1765	1769	1770	rBV3	76727	95586	2.89%	0.198%
60	12.586	1780	1785	1788	rBV	1527900	1429898	43.16%	2.960%
61	12.633	1791	1793	1795	rBV	136993	100455	3.03%	0.208%
62	12.710	1803	1806	1807	rBV	86169	77702	2.35%	0.161%
63	12.739	1807	1811	1814	rVV	2663675	2566315	77.46%	5.312%
64	12.810	1820	1823	1825	rBV2	126773	135785	4.10%	0.281%
65	12.892	1834	1837	1838	rBV2	119915	111630	3.37%	0.231%
66	12.916	1838	1841	1844	rVB	291918	293792	8.87%	0.608%
67	12.986	1850	1853	1856	rVV2	279906	279958	8.45%	0.579%
68	13.016	1856	1858	1865	rVB	242507	256758	7.75%	0.531%
69	13.110	1871	1874	1877	rVB2	212605	186556	5.63%	0.386%
70	13.139	1877	1879	1882	rBV	186925	149397	4.51%	0.309%
71	13.327	1909	1911	1915	rVB2	206188	202745	6.12%	0.420%

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72	13.527	1942	1945	1948	rBV2	186906	237516	7.17%	0.492%
73	13.657	1963	1967	1971	rVB4	264031	416728	12.58%	0.863%
74	13.774	1983	1987	1990	rBV2	2156153	2753859	83.12%	5.700%
75	13.804	1990	1992	1995	rVB	713090	560105	16.91%	1.159%
76	13.968	2018	2020	2023	rVB2	237565	189192	5.71%	0.392%
77	14.274	2069	2072	2076	rBV2	345920	332231	10.03%	0.688%
78	14.568	2119	2122	2126	rBV3	419427	450077	13.59%	0.932%
79	14.774	2153	2157	2160	rBV	676542	1015133	30.64%	2.101%
80	14.868	2171	2173	2179	rVB	519975	556256	16.79%	1.151%
81	15.045	2200	2203	2208	rVB	465353	496988	15.00%	1.029%
82	15.098	2209	2212	2216	rBV	598386	624553	18.85%	1.293%
83	15.157	2218	2222	2225	rBV	1185879	1261466	38.08%	2.611%

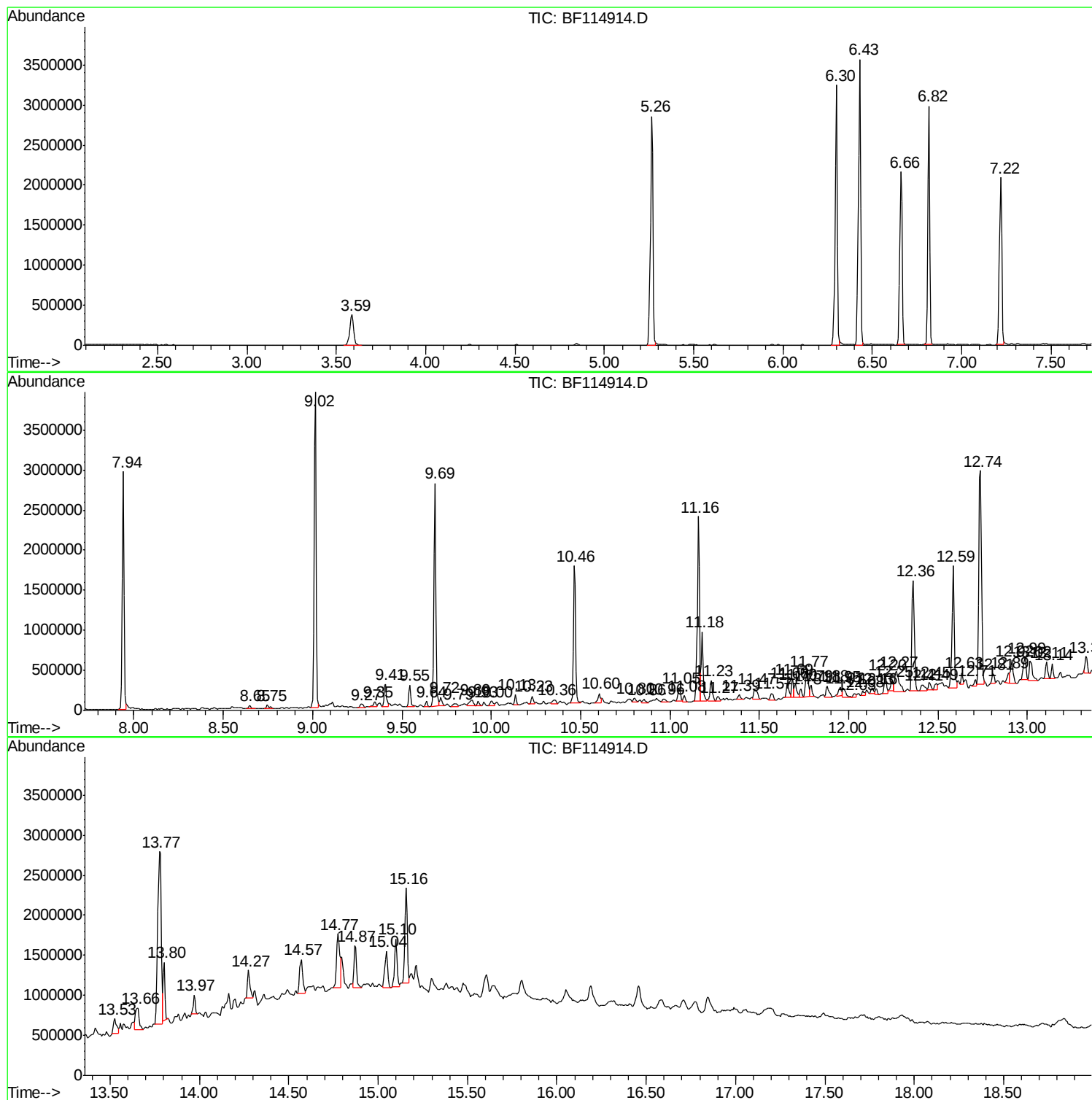
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF060419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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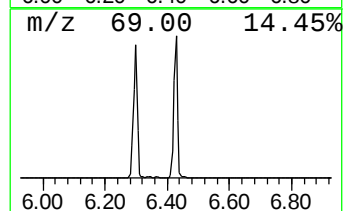
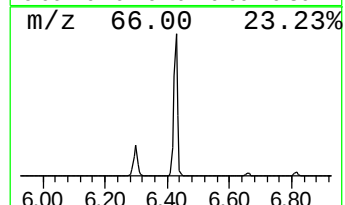
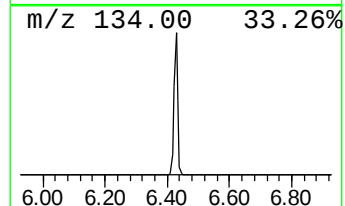
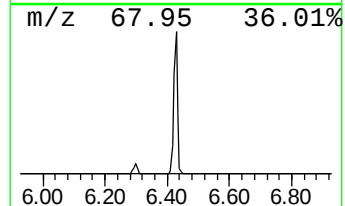
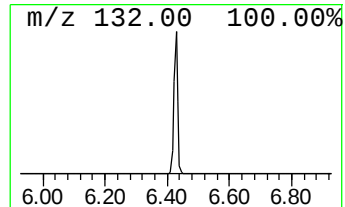
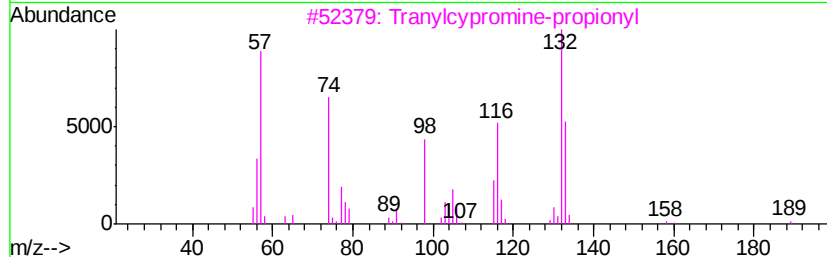
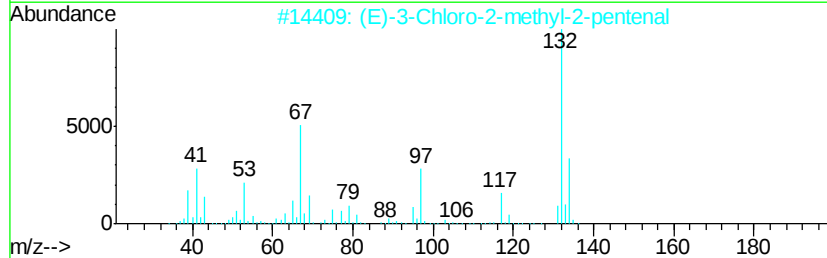
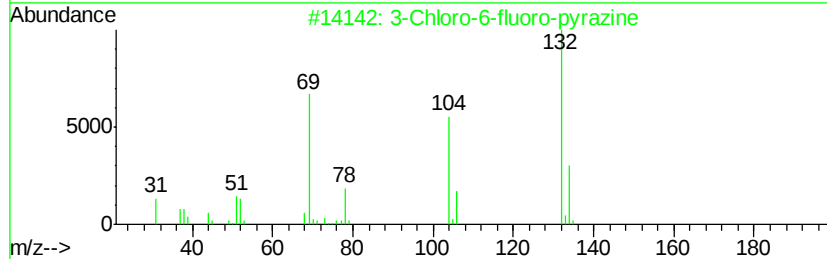
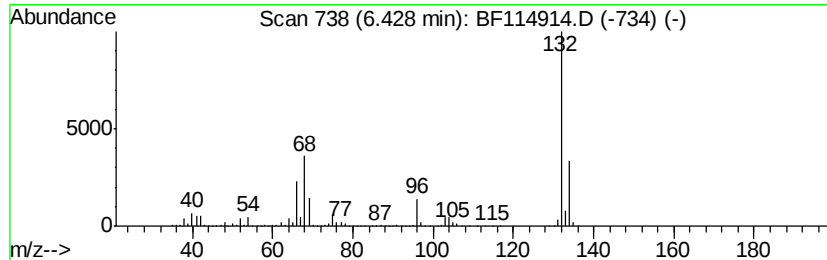
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF060419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.43 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.43	33.01 ng	3002440	1,4-Dichlorobenzene-d4	6.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	16
4		Amphetaminil	250	C17H18N2	017590-01-1	12
5		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9



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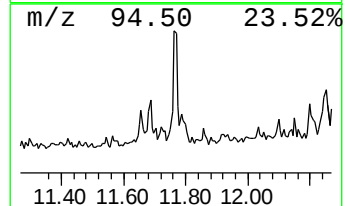
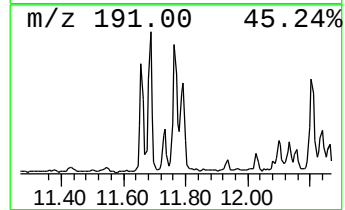
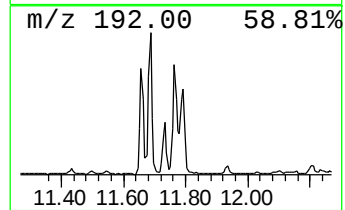
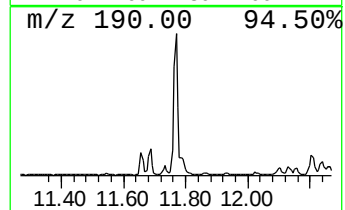
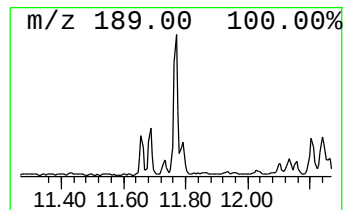
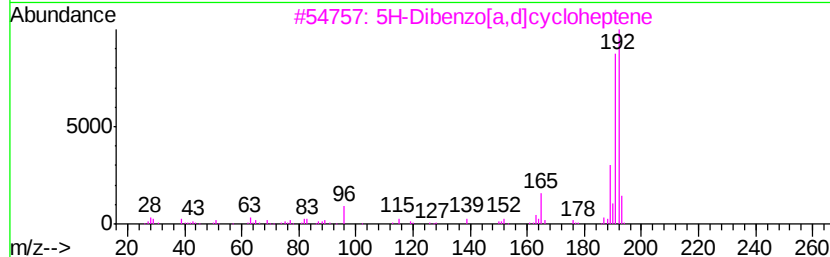
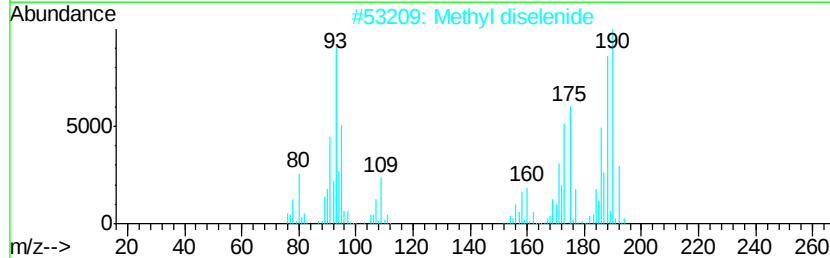
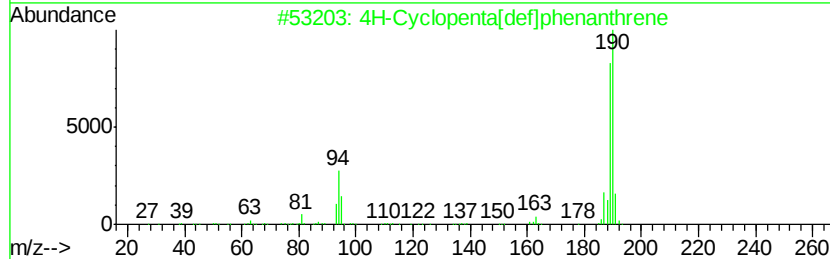
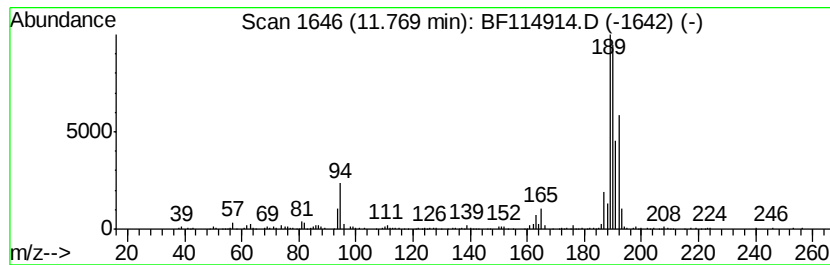
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	3.60 ng	353698	Phenanthrene-d10	11.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2		Methyl diselenide	190	C2H6Se2	007101-31-7	38
3		5H-Dibenzof[a,d]cycloheptene	192	C15H12	000256-81-5	38
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	35
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35



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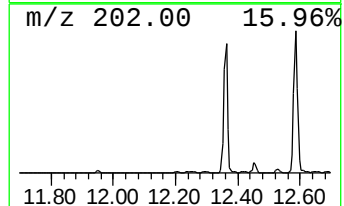
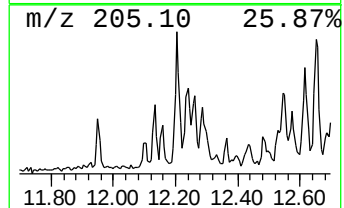
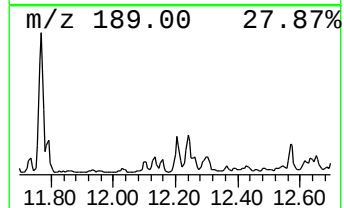
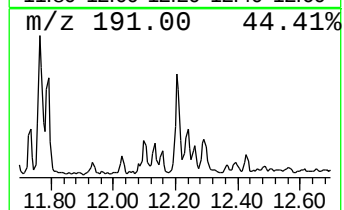
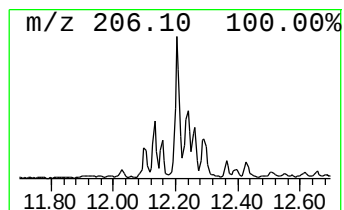
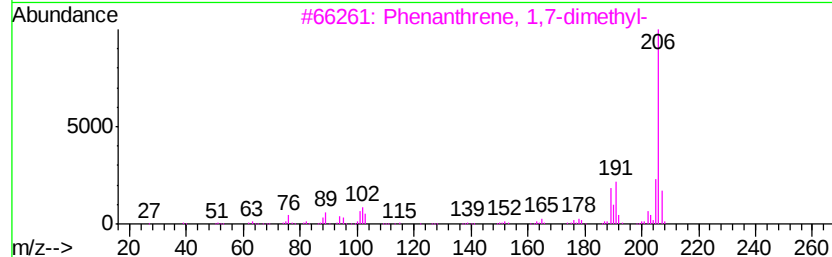
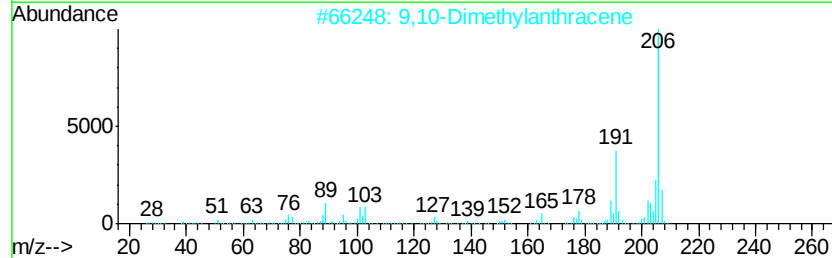
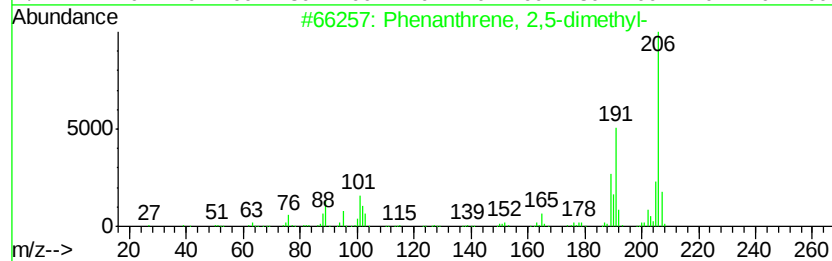
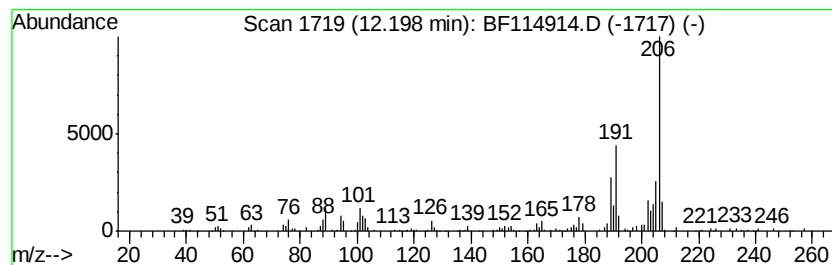
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	2.40 ng	235535	Phenanthrene-d10	11.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	91
3		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5		di-p-Tolylacetylene	206	C16H14	002789-88-0	86



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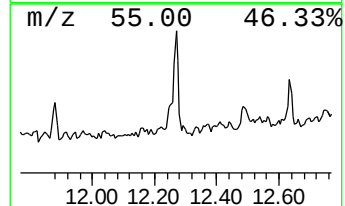
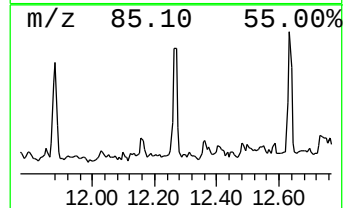
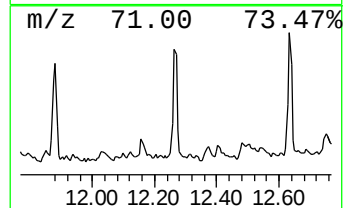
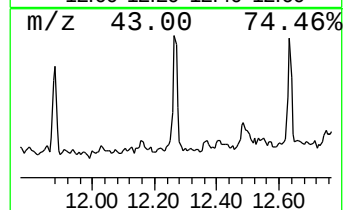
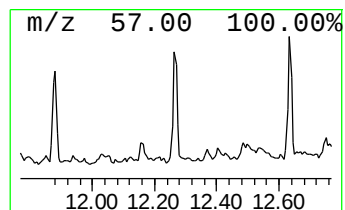
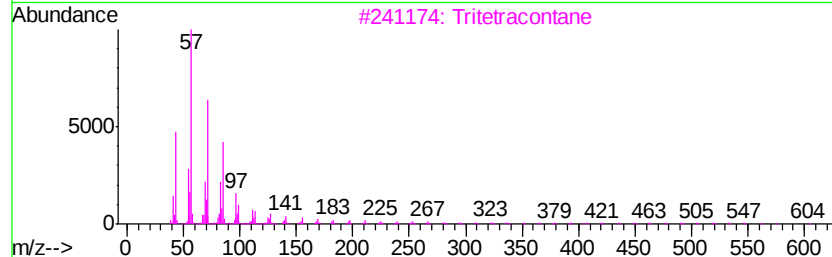
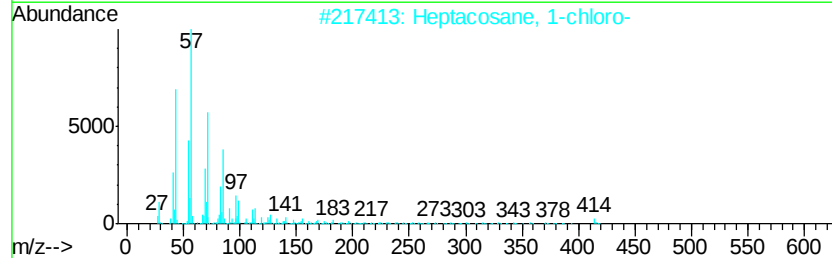
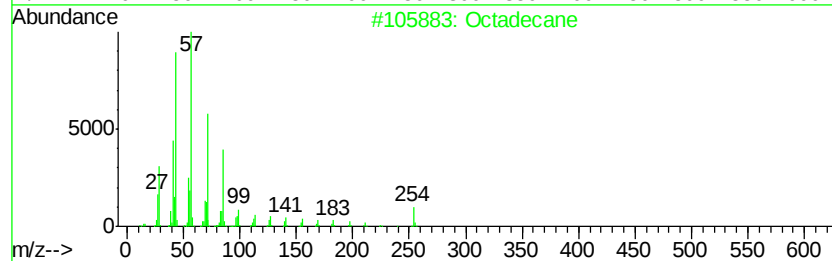
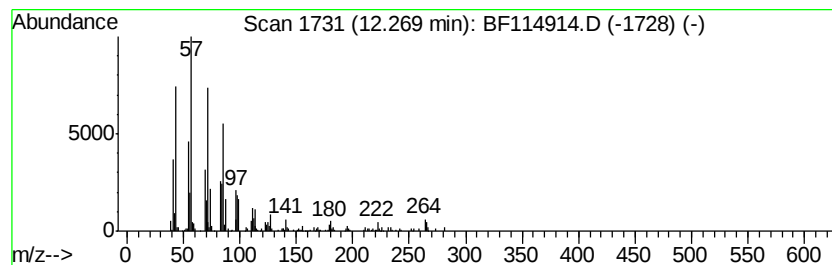
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Octadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	4.29 ng	421650	Phenanthrene-d10	11.16

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane		254	C18H38	000593-45-3	86
2	Heptacosane, 1-chloro-		414	C27H55Cl	062016-79-9	83
3	Tritetracontane		605	C43H88	007098-21-7	83
4	Tetratetracontane		619	C44H90	007098-22-8	72
5	Hexadecane		226	C16H34	000544-76-3	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060719\
Data File : BF114914.D
Acq On : 8 Jun 2019 2:18
Operator : HP/JU
Sample : K3158-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

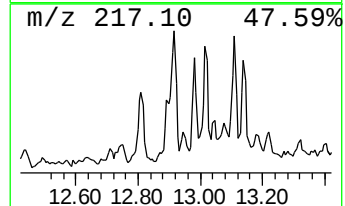
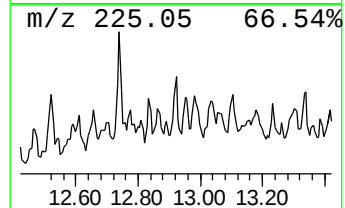
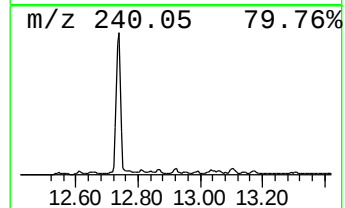
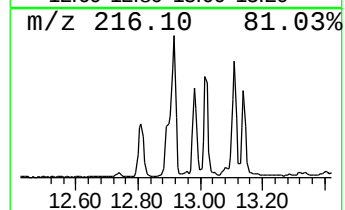
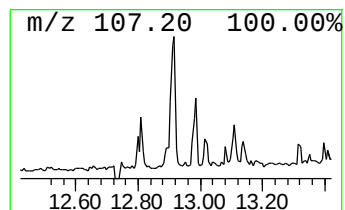
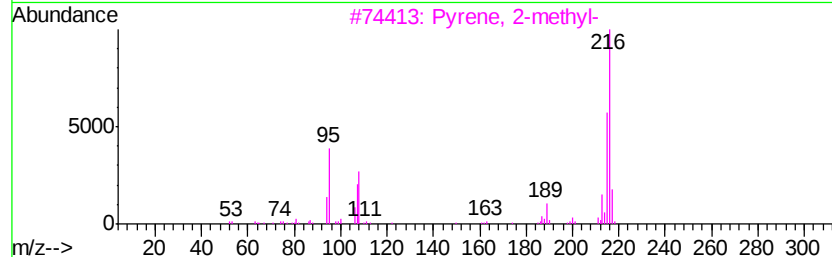
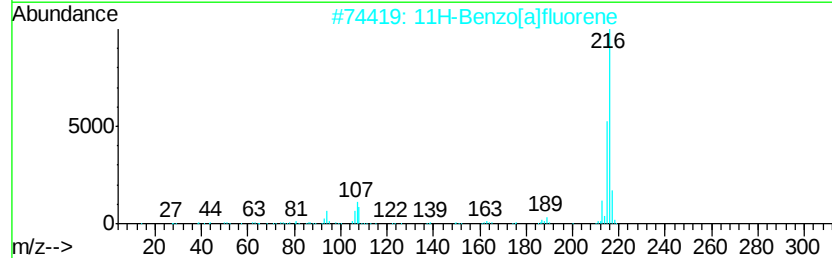
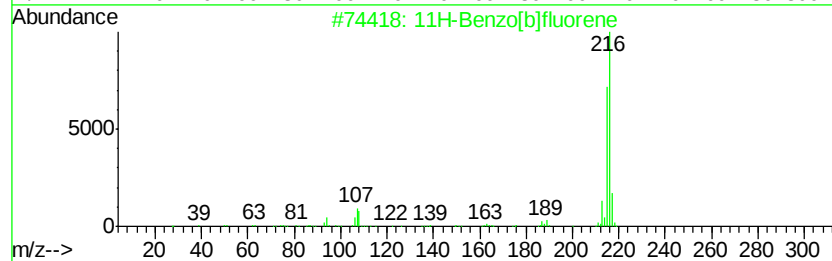
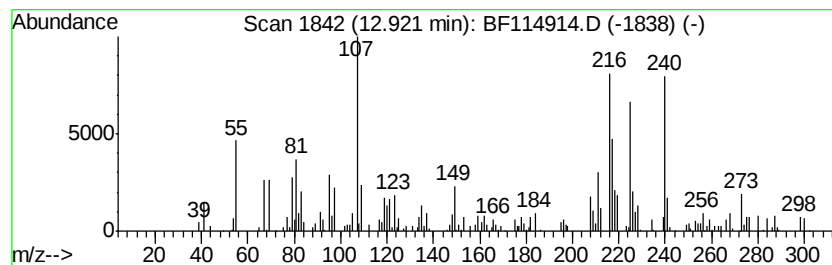
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.92	2.13 ng	293792	Chrysene-d12	13.78
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 91
2		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 91
3		Pvrene, 2-methyl-	216 C17H12	003442-78-2 72
4		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 72
5		Pyrene, 1-methyl-	216 C17H12	002381-21-7 64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060719\
Data File : BF114914.D
Acq On : 8 Jun 2019 2:18
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Sample : K3158-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

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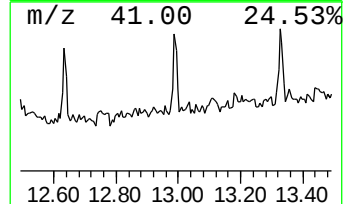
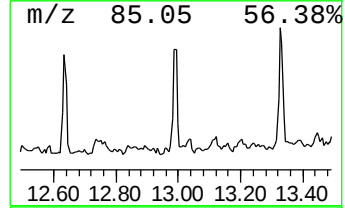
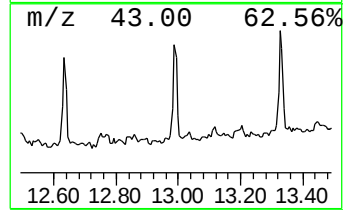
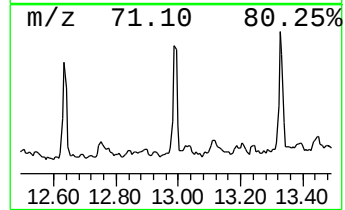
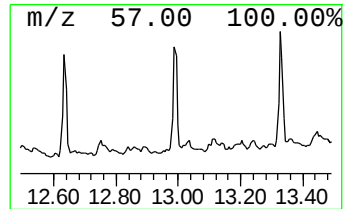
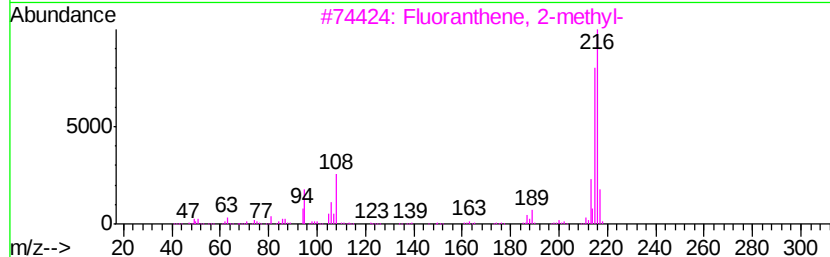
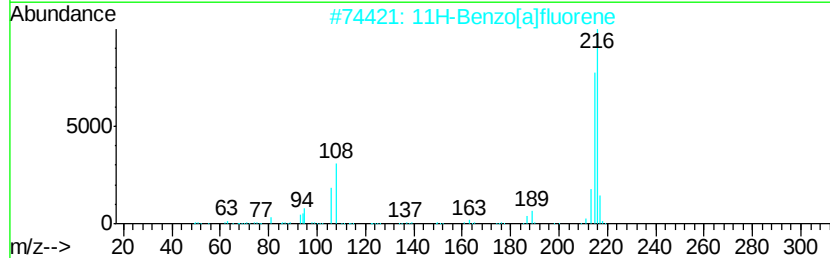
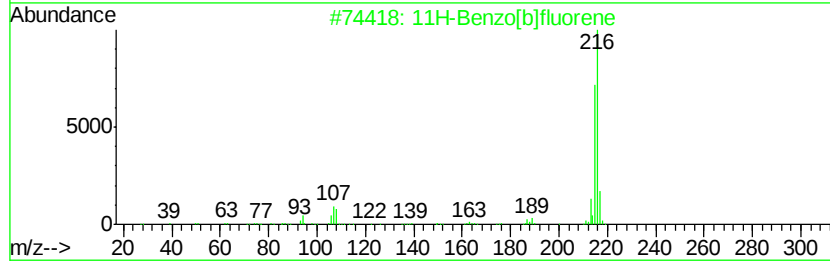
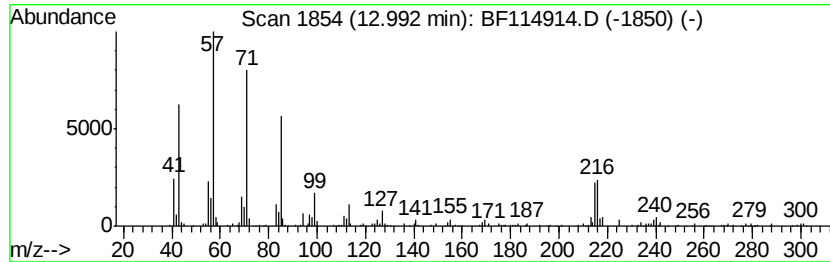
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 11H-Benzo[a]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	2.03 ng	279958	Chrysene-d12	13.78

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	60
4		Pvrene, 1-methyl-	216	C17H12	002381-21-7	55
5		Pentadecane	212	C15H32	000629-62-9	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060719\
Data File : BF114914.D
Acq On : 8 Jun 2019 2:18
Operator : HP/JU
Sample : K3158-01 2X
Misc :
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Instrument :
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ClientSampleId :
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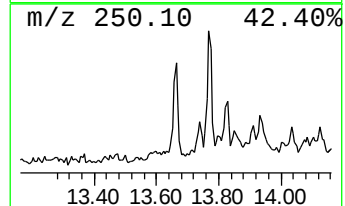
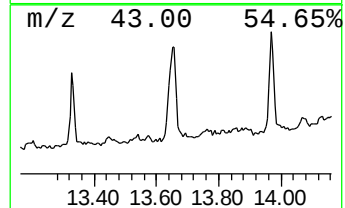
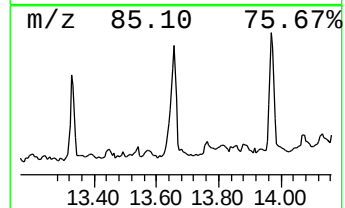
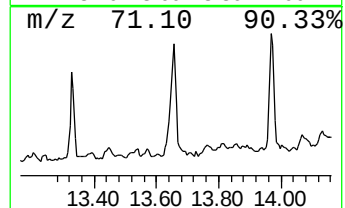
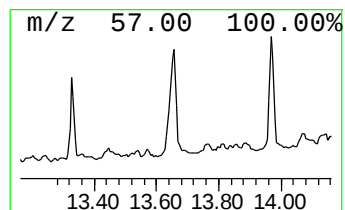
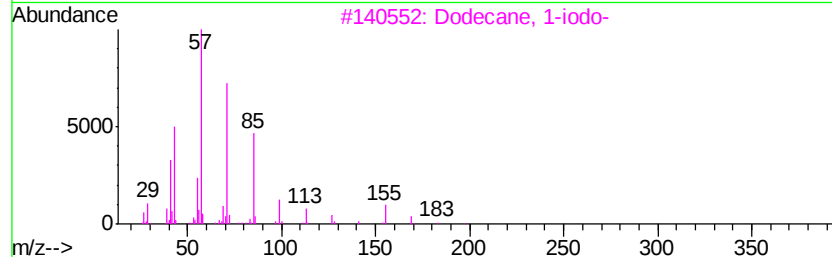
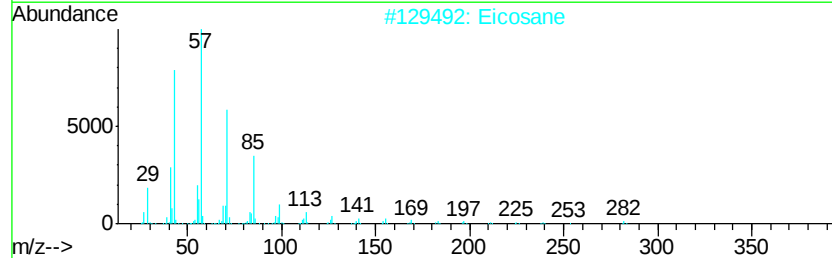
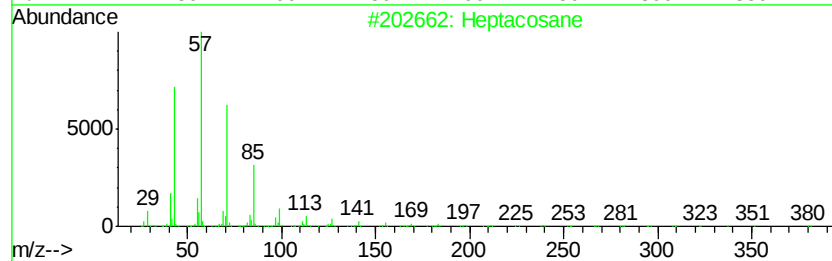
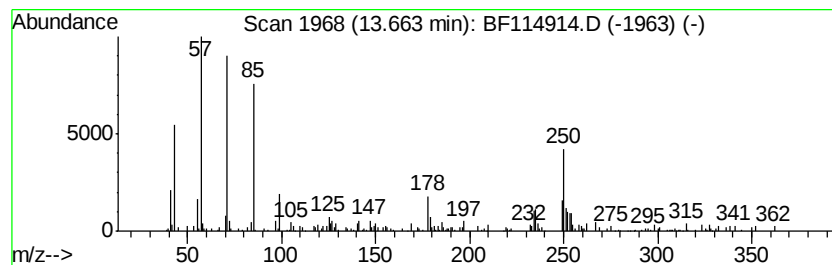
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Heptacosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.66	3.03 ng	416728	Chrysene-d12	13.78

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane		380	C27H56	000593-49-7	74
2	Eicosane		282	C20H42	000112-95-8	72
3	Dodecane, 1-iodo-		296	C12H25I	004292-19-7	72
4	Octadecane		254	C18H38	000593-45-3	68
5	Decane, 3-methyl-		156	C11H24	013151-34-3	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060719\
Data File : BF114914.D
Acq On : 8 Jun 2019 2:18
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Sample : K3158-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

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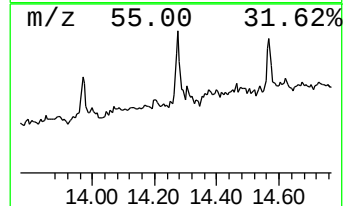
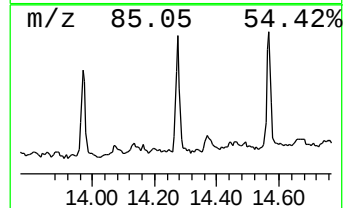
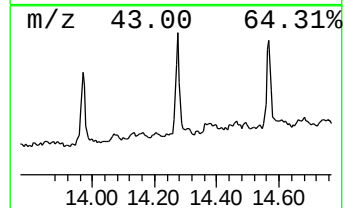
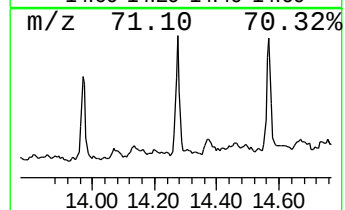
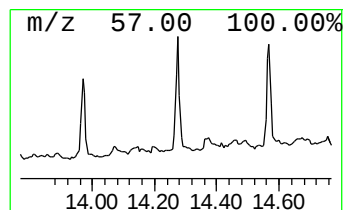
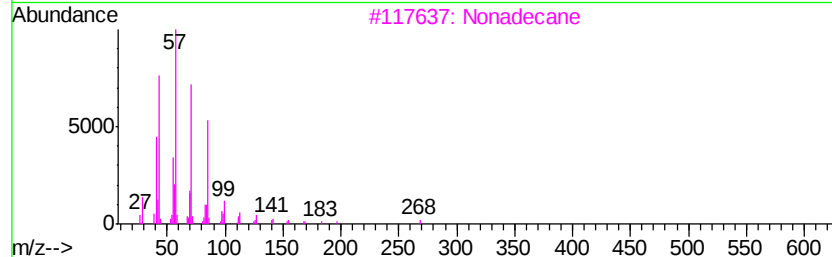
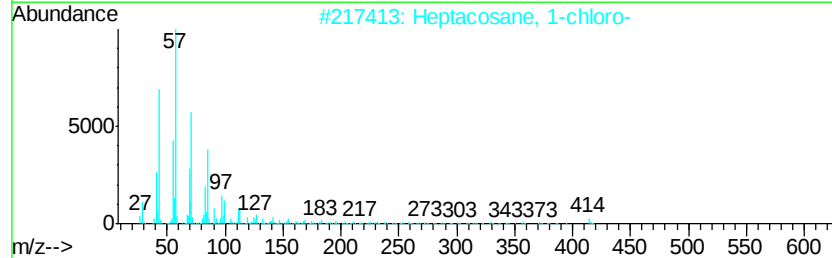
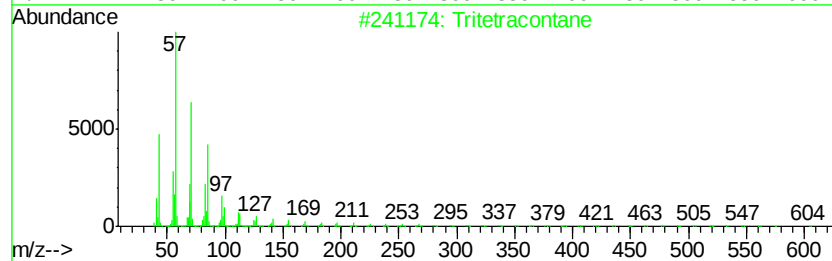
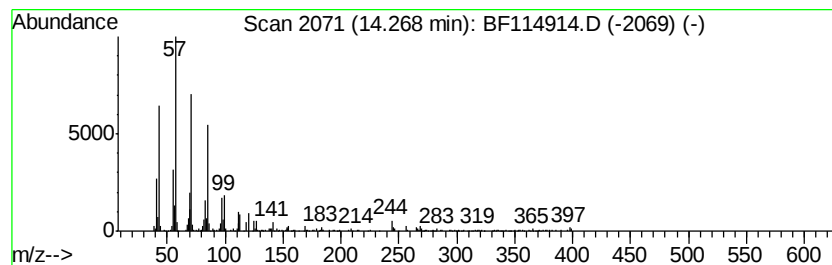
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Tritetracontane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.27	2.41 ng	332231	Chrysene-d12	13.78

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tritetracontane	605	C43H88	007098-21-7	91
2		Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	91
3		Nonadecane	268	C19H40	000629-92-5	90
4		Tetratetracontane	619	C44H90	007098-22-8	90
5		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060719\
Data File : BF114914.D
Acq On : 8 Jun 2019 2:18
Operator : HP/JU
Sample : K3158-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-03-060619

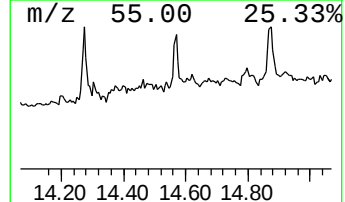
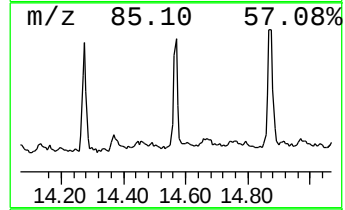
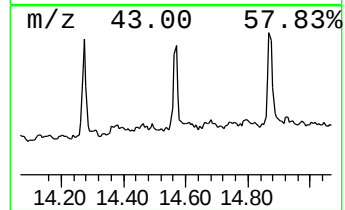
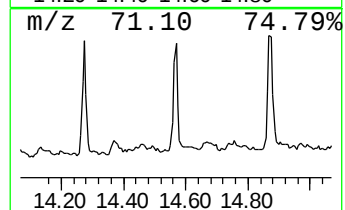
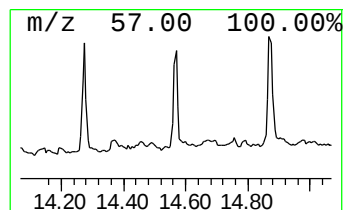
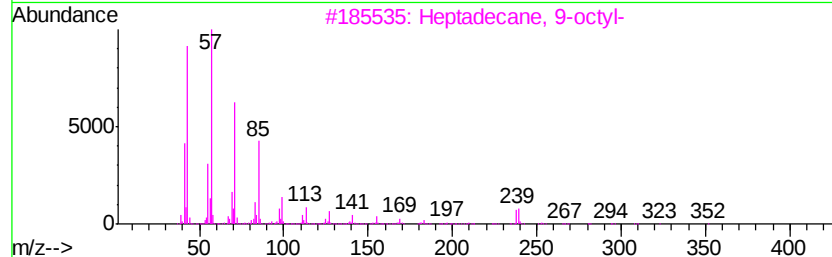
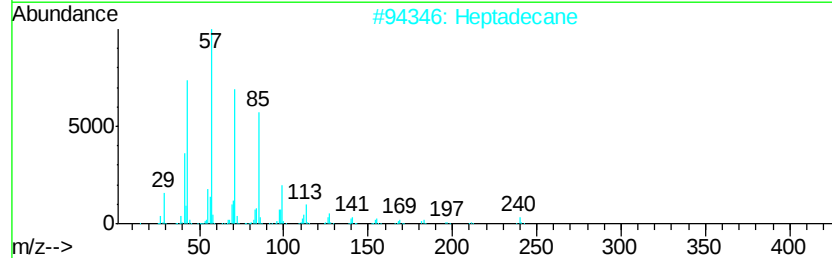
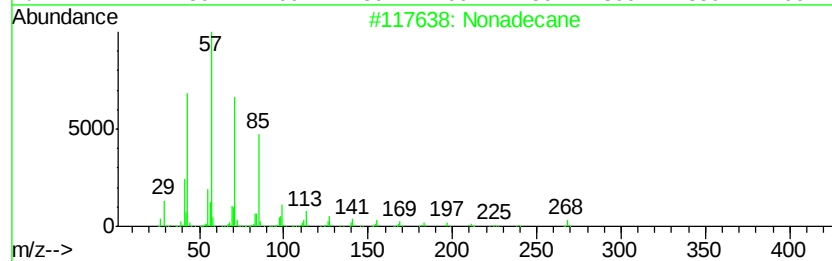
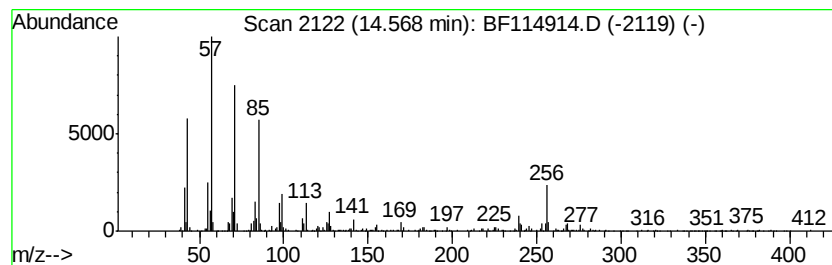
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Nonadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.57	7.14 ng	450077	Perylene-d12	15.16

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonadecane	268	C19H40	000629-92-5	95
2		Heptadecane	240	C17H36	000629-78-7	91
3		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
4		Pentadecane, 2-methyl-	226	C16H34	001560-93-6	91
5		Docosane, 11-butyl-	366	C26H54	013475-76-8	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060719\
Data File : BF114914.D
Acq On : 8 Jun 2019 2:18
Operator : HP/JU
Sample : K3158-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OK-03-060619

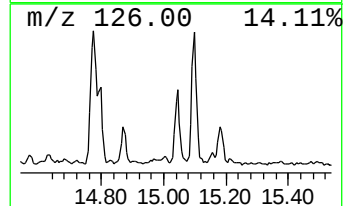
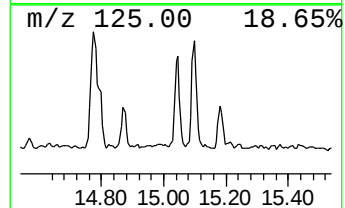
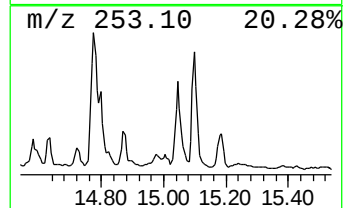
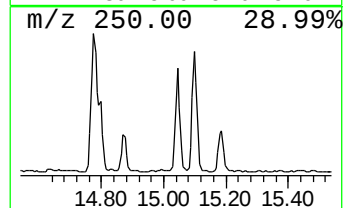
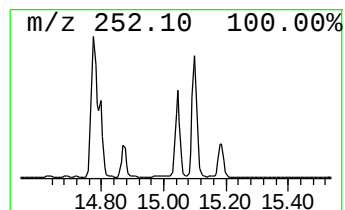
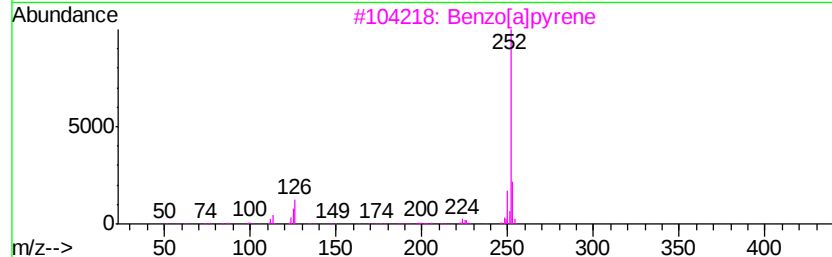
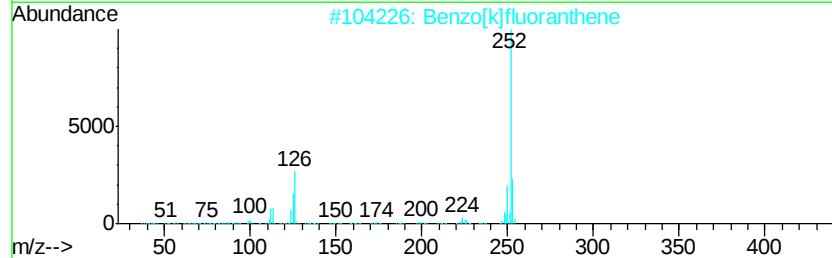
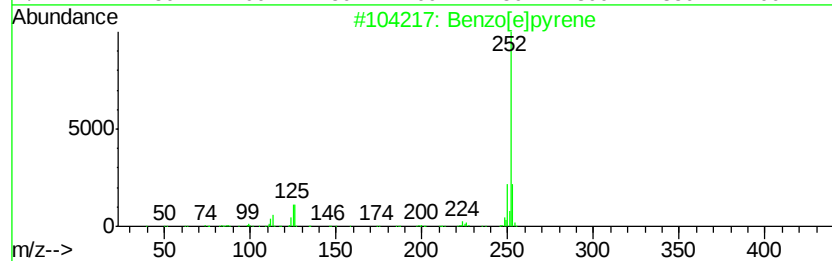
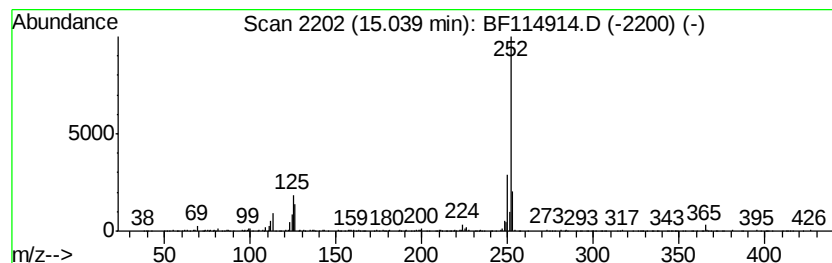
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	7.88 ng	496988	Perylene-d12	15.16

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	98
2			Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3			Benzo[a]pyrene	252	C20H12	000050-32-8	93
4			Benzo[i]fluoranthene	252	C20H12	000205-82-3	90
5			Benz[e]acephenanthrylene	252	C20H12	000205-99-2	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF060719\
Data File : BF114914.D
Acq On : 8 Jun 2019 2:18
Operator : HP/JU
Sample : K3158-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-03-060619

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060419.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
unknown6.43	6.43	33.0	ng	3002440	1	6.66	1819070	20.0
4H-Cyclopenta[def...	11.77	3.6	ng	353698	4	11.16	1966400	20.0
Phenanthrene, 2,5...	12.20	2.4	ng	235535	4	11.16	1966400	20.0
Octadecane	12.27	4.3	ng	421650	4	11.16	1966400	20.0
11H-Benzo[b]fluorene	12.92	2.1	ng	293792	5	13.78	2753860	20.0
11H-Benzo[a]fluorene	12.99	2.0	ng	279958	5	13.78	2753860	20.0
Heptacosane	13.66	3.0	ng	416728	5	13.78	2753860	20.0
Tritetracontane	14.27	2.4	ng	332231	5	13.78	2753860	20.0
Nonadecane	14.57	7.1	ng	450077	6	15.16	1261470	20.0
Benzo[e]pyrene	15.04	7.9	ng	496988	6	15.16	1261470	20.0