

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
 Data File : BF113476.D
 Acq On : 1 Apr 2019 19:47
 Operator : JU/SJ
 Sample : K1692-05 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-032919

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-BF032519.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	5.322	547	550	563	rBV	369777	491037	30.42%	2.569%
2	6.351	722	725	743	rBV	417451	604652	37.45%	3.163%
3	6.481	743	747	755	rVV	657341	600056	37.17%	3.139%
4	6.704	782	785	801	rBV	762546	773444	47.91%	4.046%
5	6.863	808	812	828	rVB	528700	482093	29.86%	2.522%
6	7.269	878	881	895	rBV	267314	339454	21.03%	1.776%
7	7.986	1000	1003	1011	rBV	947834	990369	61.34%	5.181%
8	8.710	1120	1126	1132	rBV2	11852	16765	1.04%	0.088%
9	8.804	1138	1142	1151	rVB	17722	22730	1.41%	0.119%
10	9.063	1182	1186	1199	rBV	737492	724165	44.86%	3.788%
11	9.186	1205	1207	1212	rVB	33572	30407	1.88%	0.159%
12	9.404	1240	1244	1246	rBV	19367	20111	1.25%	0.105%
13	9.457	1250	1253	1261	rVV	54309	83224	5.16%	0.435%
14	9.522	1261	1264	1269	rVB5	11541	18570	1.15%	0.097%
15	9.598	1274	1277	1283	rBV	56141	56572	3.50%	0.296%
16	9.739	1297	1301	1304	rBV	1146474	1043948	64.66%	5.461%
17	9.769	1304	1306	1317	rVB	157589	167815	10.39%	0.878%
18	9.945	1332	1336	1340	rBV	40598	44897	2.78%	0.235%
19	10.057	1351	1355	1359	rBV3	13487	17243	1.07%	0.090%
20	10.145	1366	1370	1372	rBV2	14824	18112	1.12%	0.095%
21	10.286	1391	1394	1400	rVB	89658	95755	5.93%	0.501%
22	10.351	1400	1405	1406	rBV2	14809	19672	1.22%	0.103%
23	10.445	1418	1421	1424	rVB2	16883	16259	1.01%	0.085%
24	10.527	1430	1435	1447	rBV	364877	436677	27.05%	2.284%
25	10.651	1453	1456	1463	rVB4	33703	50237	3.11%	0.263%
26	10.727	1463	1469	1471	rBV6	10339	17720	1.10%	0.093%
27	10.833	1483	1487	1489	rBV4	20992	26280	1.63%	0.137%
28	10.863	1489	1492	1495	rVV3	16910	20753	1.29%	0.109%
29	11.069	1524	1527	1530	rBV2	14787	22532	1.40%	0.118%
30	11.116	1533	1535	1541	rVB2	52272	57632	3.57%	0.301%
31	11.174	1541	1545	1548	rBV	23552	26902	1.67%	0.141%
32	11.216	1548	1552	1554	rBV	1112877	999507	61.91%	5.229%
33	11.239	1554	1556	1563	rVV	752926	734815	45.52%	3.844%
34	11.292	1563	1565	1569	rVV	175944	169927	10.53%	0.889%

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 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

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.327	1569	1571	1578	rVB2	29540	41445	2.57%	0.217%
36	11.451	1586	1592	1598	rBV3	72991	133910	8.29%	0.701%
37	11.516	1600	1603	1606	rVV2	35407	38401	2.38%	0.201%
38	11.551	1606	1609	1617	rVB	19020	32724	2.03%	0.171%
39	11.721	1634	1638	1640	rBV	81320	85637	5.30%	0.448%
40	11.751	1640	1643	1648	rBV2	132427	129758	8.04%	0.679%
41	11.792	1648	1650	1653	rVB	29976	28659	1.78%	0.150%
42	11.827	1653	1656	1659	rBV	175292	190856	11.82%	0.998%
43	11.904	1666	1669	1670	rBV3	13304	16226	1.01%	0.085%
44	11.921	1670	1672	1675	rVV2	30968	31535	1.95%	0.165%
45	11.951	1675	1677	1681	rVV	21558	26916	1.67%	0.141%
46	12.010	1684	1687	1690	rVV	63977	71244	4.41%	0.373%
47	12.045	1690	1693	1698	rVB	41513	50730	3.14%	0.265%
48	12.163	1711	1713	1716	rVB	26324	20611	1.28%	0.108%
49	12.192	1716	1718	1720	rBV	29763	28226	1.75%	0.148%
50	12.268	1727	1731	1733	rBV	85440	91074	5.64%	0.476%
51	12.304	1733	1737	1743	rVV3	88509	148311	9.19%	0.776%
52	12.357	1743	1746	1750	rVB2	51836	60143	3.73%	0.315%
53	12.427	1754	1758	1762	rBV	1292657	1134297	70.26%	5.934%
54	12.492	1767	1769	1771	rVV	28858	24214	1.50%	0.127%
55	12.521	1772	1774	1780	rVV3	23797	48695	3.02%	0.255%
56	12.574	1780	1783	1787	rVV2	55358	77608	4.81%	0.406%
57	12.651	1791	1796	1799	rBV	1076749	1193810	73.95%	6.245%
58	12.710	1803	1806	1810	rVB2	44383	61962	3.84%	0.324%
59	12.792	1815	1820	1828	rVB	734755	788384	48.83%	4.124%
60	12.874	1830	1834	1837	rBV2	75570	114086	7.07%	0.597%
61	12.957	1846	1848	1849	rBV2	58592	48289	2.99%	0.253%
62	12.980	1850	1852	1856	rVB	175448	166927	10.34%	0.873%
63	13.045	1861	1863	1866	rVB	113598	107569	6.66%	0.563%
64	13.086	1867	1870	1872	rBV	97939	93373	5.78%	0.488%
65	13.174	1883	1885	1888	rBV	60449	56047	3.47%	0.293%
66	13.210	1888	1891	1894	rBV2	73735	76965	4.77%	0.403%
67	13.598	1955	1957	1959	rBV	77843	67332	4.17%	0.352%
68	13.651	1964	1966	1967	rBV	57283	44302	2.74%	0.232%
69	13.698	1972	1974	1977	rBV	64302	60909	3.77%	0.319%
70	13.851	1994	2000	2002	rBV2	1173379	1614427	100.00%	8.446%
71	13.874	2002	2004	2012	rVB	523489	489022	30.29%	2.558%

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Integrator: RTE
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Sampling : 1 Min Area: 3 % of largest Peak
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Stop Thrs : 0 Peak Location: TOP

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72	13.951	2015	2017	2021	rVB	101092	89766	5.56%	0.470%
73	14.615	2127	2130	2132	rBV	115153	130727	8.10%	0.684%
74	14.862	2168	2172	2179	rBV	349706	648310	40.16%	3.391%
75	15.139	2217	2219	2225	rVB	192326	206342	12.78%	1.079%
76	15.204	2226	2230	2234	rVV	294780	360606	22.34%	1.886%
77	15.257	2236	2239	2251	rVB2	575062	945025	58.54%	4.944%

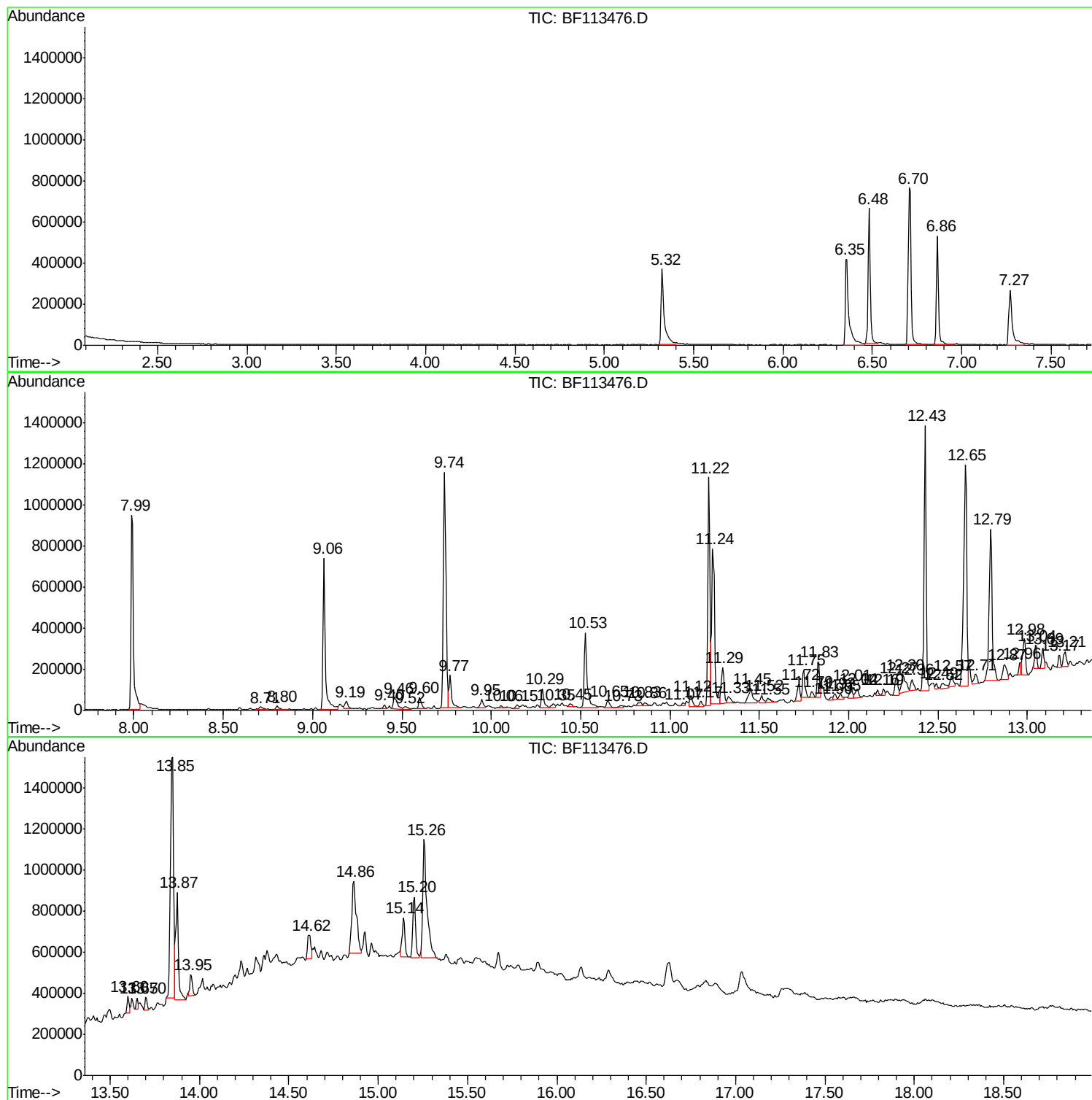
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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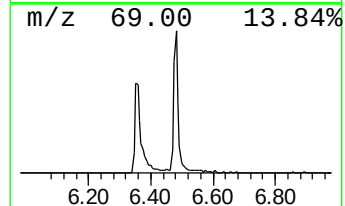
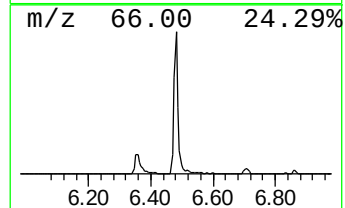
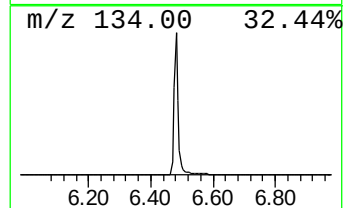
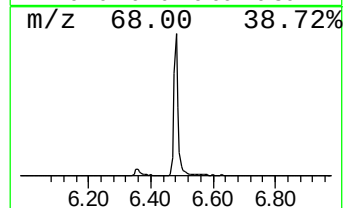
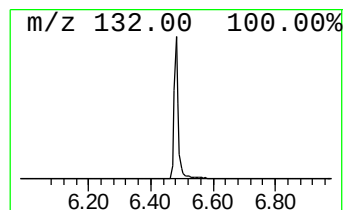
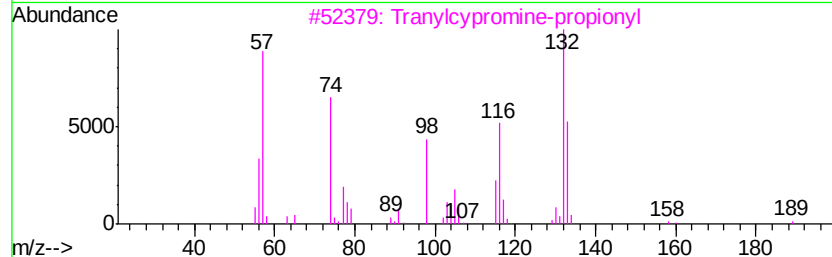
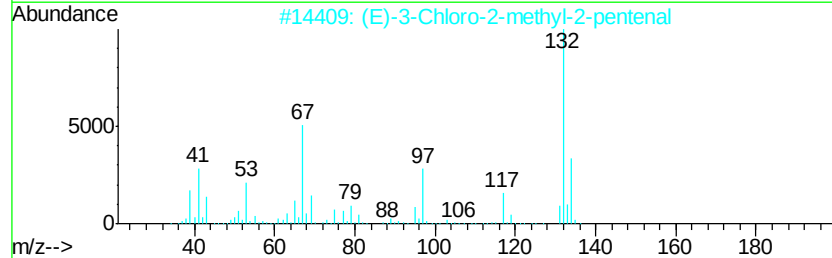
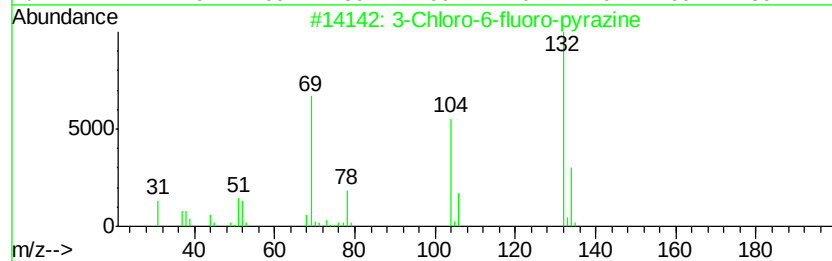
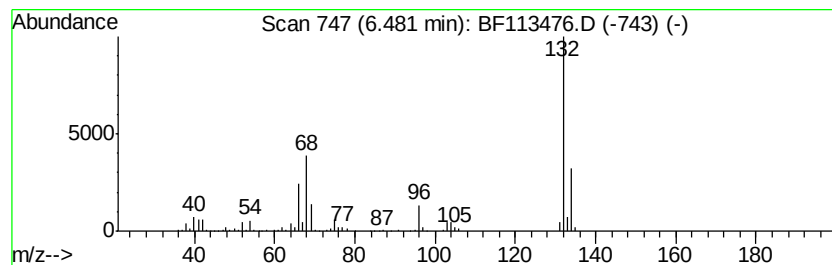
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.48 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.48	15.52 ng	600056	1,4-Dichlorobenzene-d4	6.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3		Tranlycypromine-propionyl	189	C12H15NO	1000123-86-3	12
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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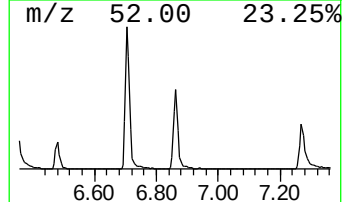
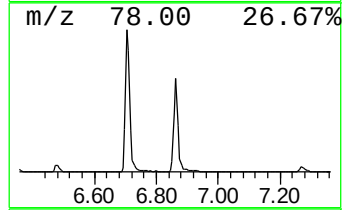
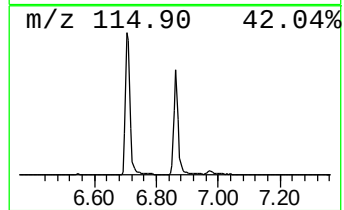
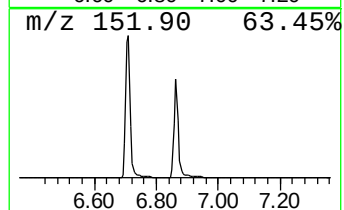
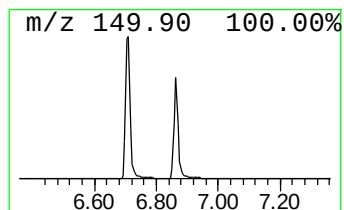
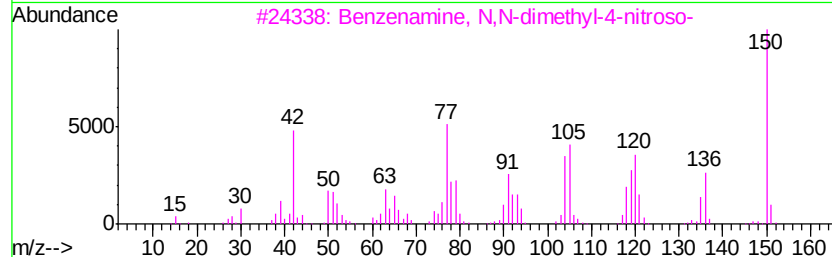
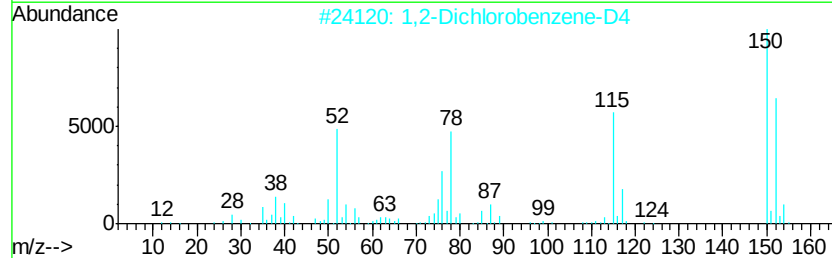
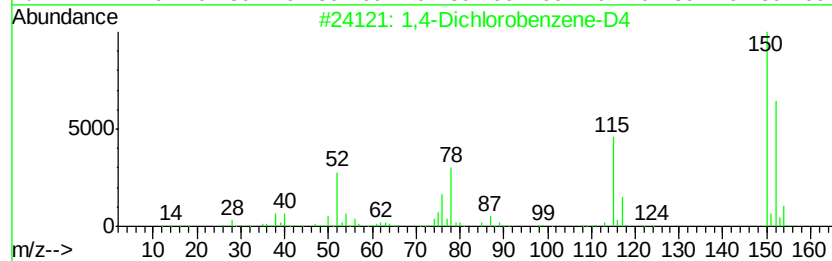
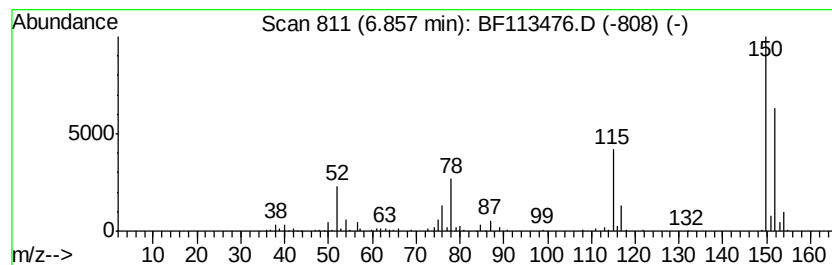
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.86 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.86	12.47 ng	482093	1,4-Dichlorobenzene-d4	6.71

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,4-Dichlorobenzene-D4	150	C6D4Cl2	003855-82-1	97
2		1,2-Dichlorobenzene-D4	150	C6D4Cl2	002199-69-1	95
3		Benzenamine, N,N-dimethyl-4-nitr...	150	C8H10N2O	000138-89-6	32
4		9-Borabicyclo[3.3.1]nonane, 9-et...	150	C10H19B	052102-17-7	22
5		l-Alanine, N-(2-chloroethoxycarb...	335	C16H30ClN04	1000327-92-8	17



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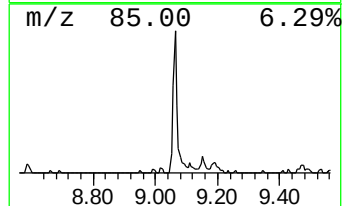
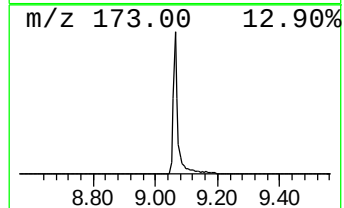
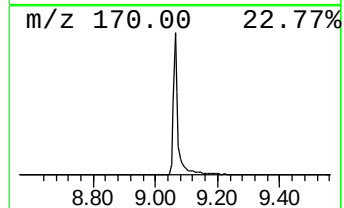
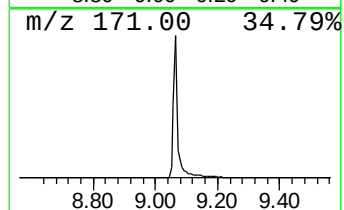
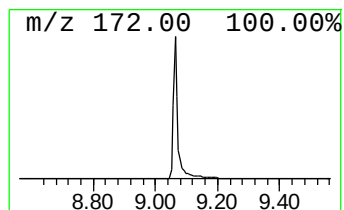
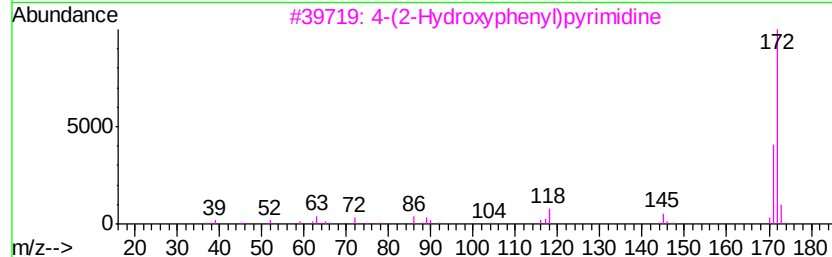
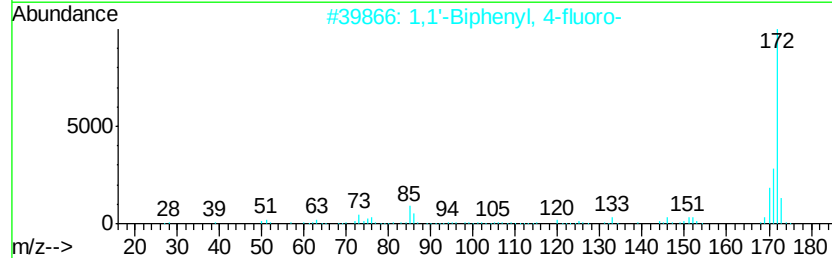
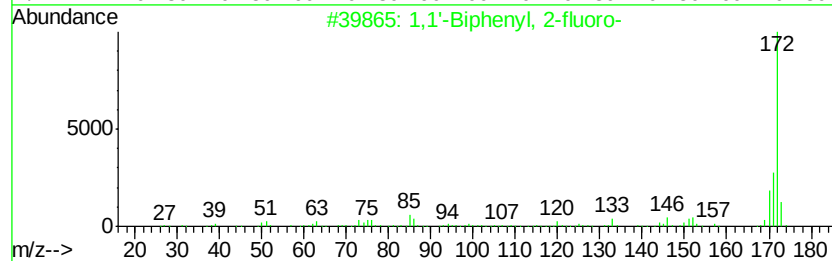
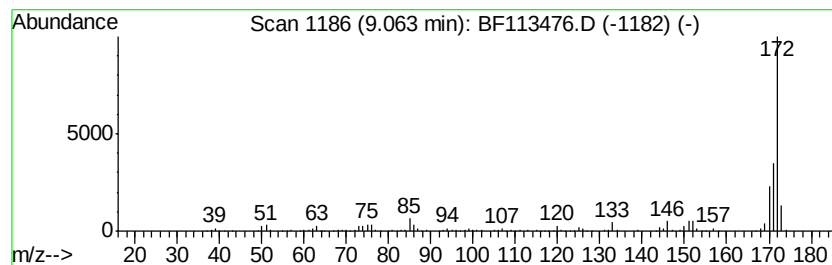
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 1,1'-Biphenyl, 2-fluoro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.06	13.87 ng	724165	Acenaphthene-d10	9.74	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-fluoro-	172	C12H9F	000321-60-8	96
2	1,1'-Biphenyl, 4-fluoro-	172	C12H9F	000324-74-3	93
3	4-(2-Hydroxyphenyl)pyrimidine	172	C10H8N2O	068535-55-7	45
4	4-Pyrimidinol, 5-phenyl-	172	C10H8N2O	022433-69-8	42
5	2-(2-Hydroxyphenyl)pyrimidine	172	C10H8N2O	064435-20-7	38



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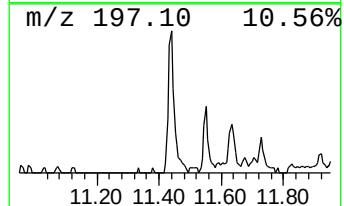
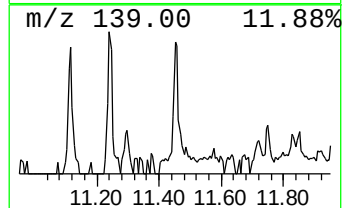
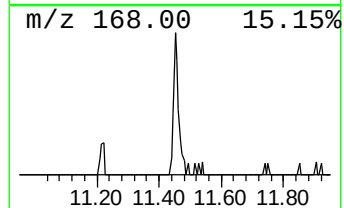
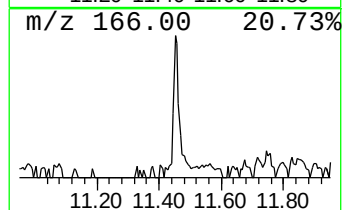
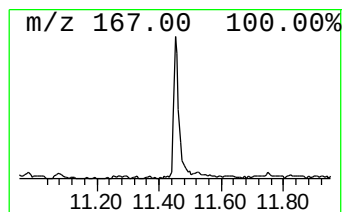
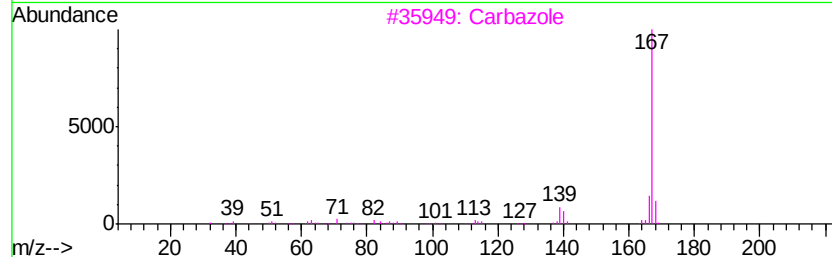
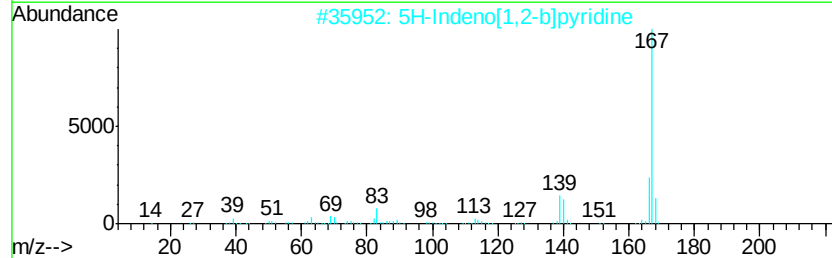
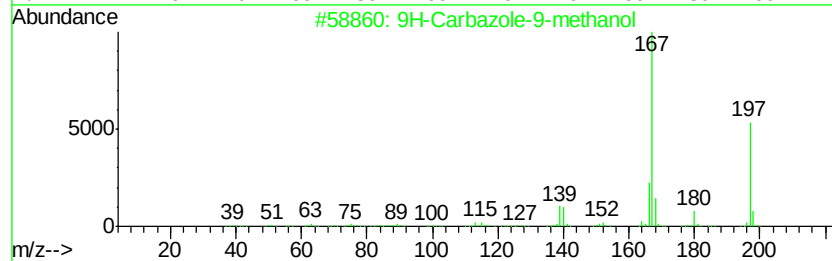
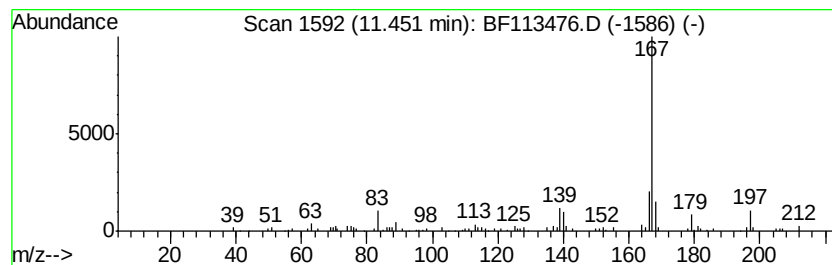
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 9H-Carbazole-9-methanol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.45	2.68 ng	133910	Phenanthrene-d10	11.22	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Carbazole-9-methanol	197	C13H11NO	002409-36-1	91
2	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	87
3	Carbazole	167	C12H9N	000086-74-8	87
4	D-Galactitol, 2-(acetylmethylami...	363	C16H29NO8	074410-42-7	80
5	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	80



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
Data File : BF113476.D
Acq On : 1 Apr 2019 19:47
Operator : JU/SJ
Sample : K1692-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

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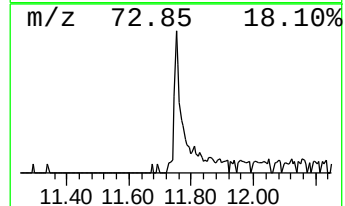
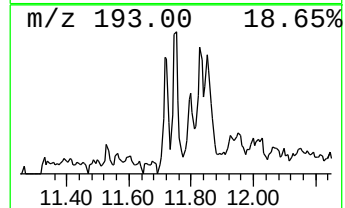
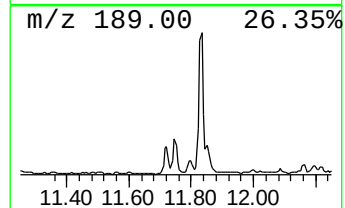
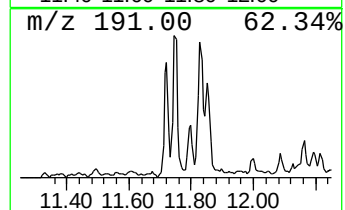
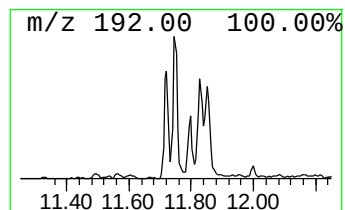
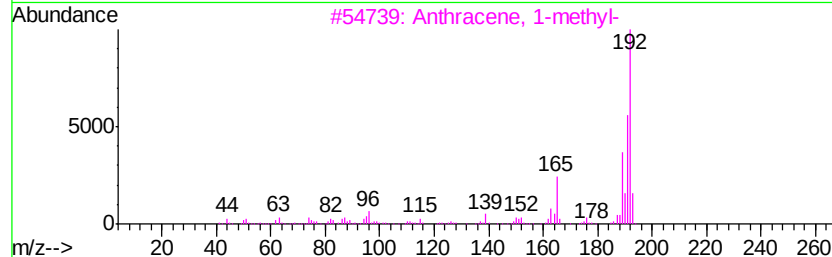
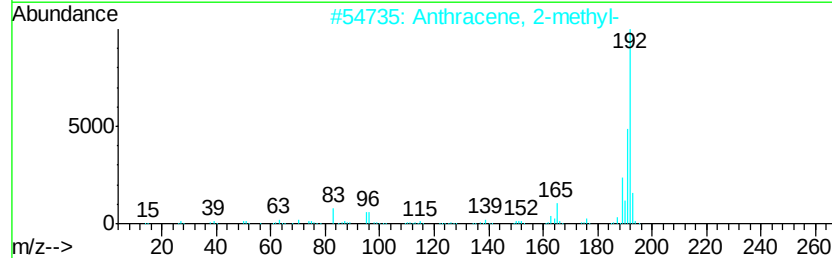
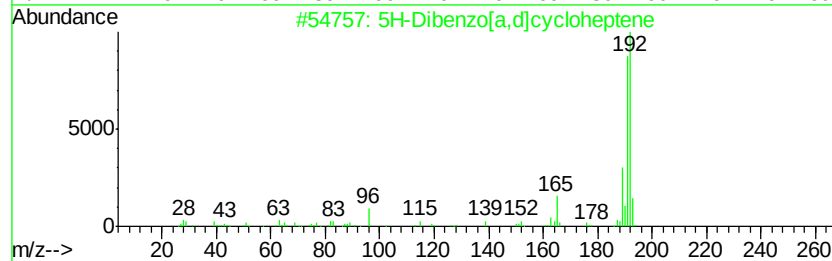
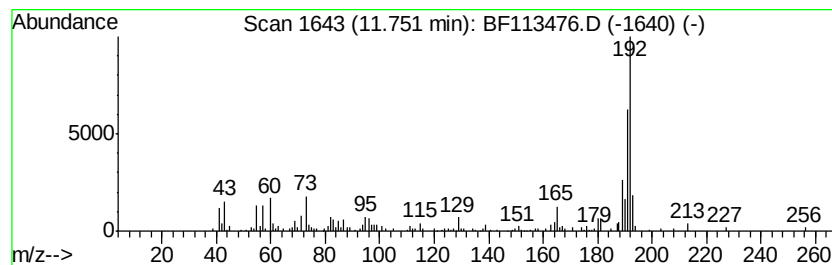
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 5H-Dibenzo[a,d]cycloheptene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	2.60 ng	129758	Phenanthrene-d10	11.22

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	92
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
Data File : BF113476.D
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Sample : K1692-05 5X
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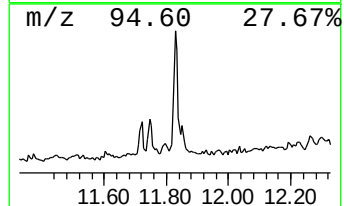
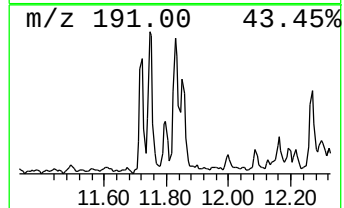
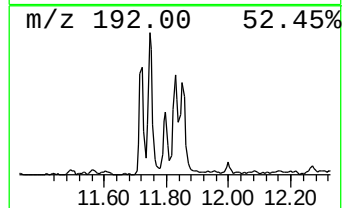
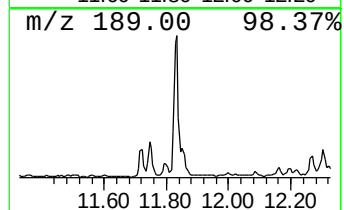
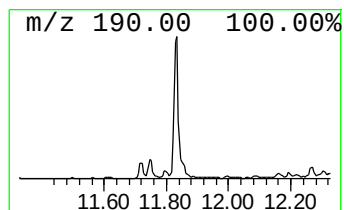
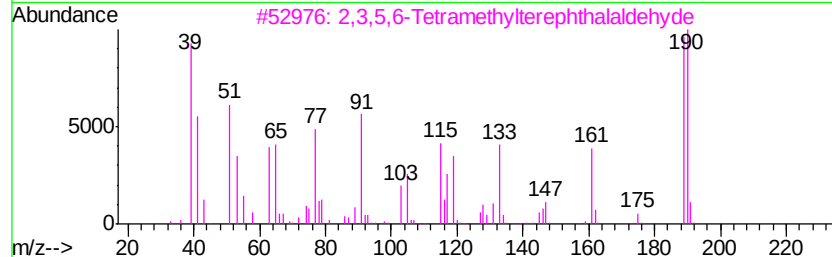
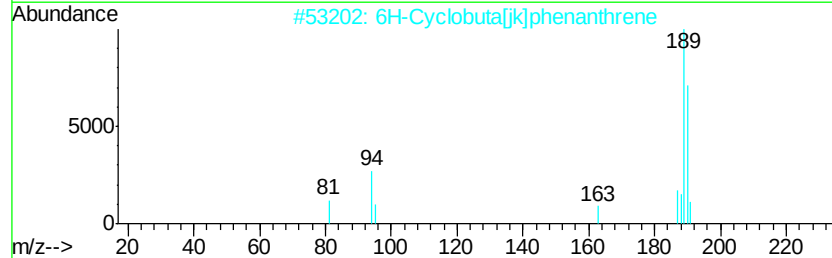
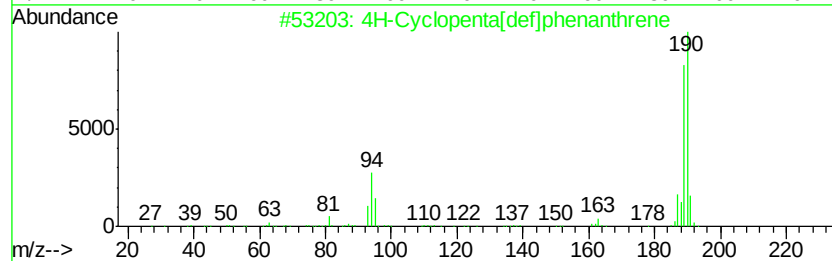
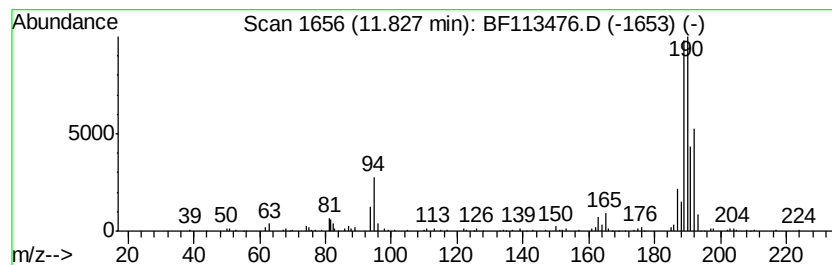
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.83	3.82 ng	190856	Phenanthrene-d10	11.22	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	38
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	38
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
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Sample : K1692-05 5X
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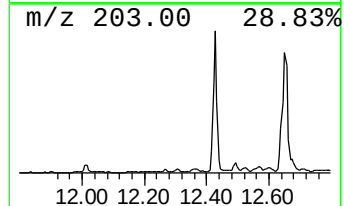
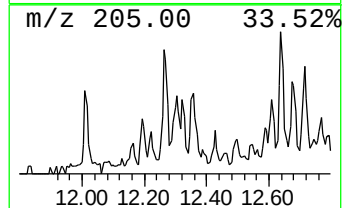
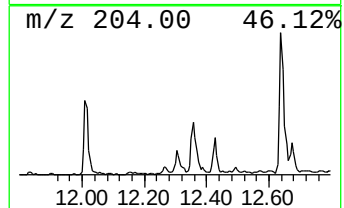
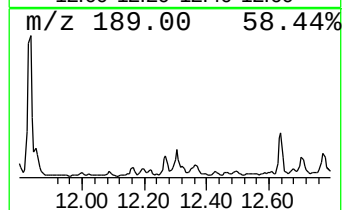
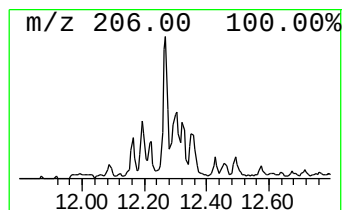
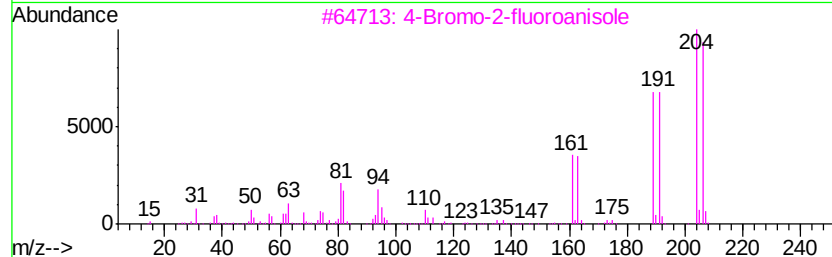
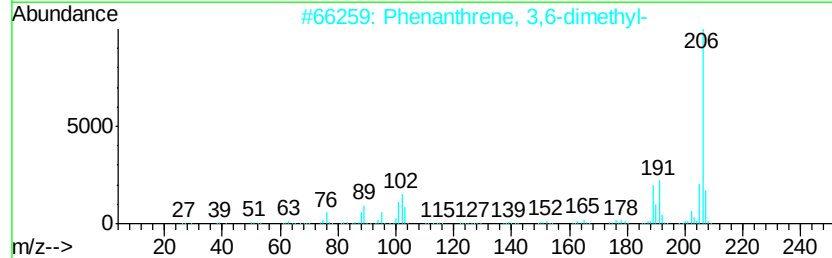
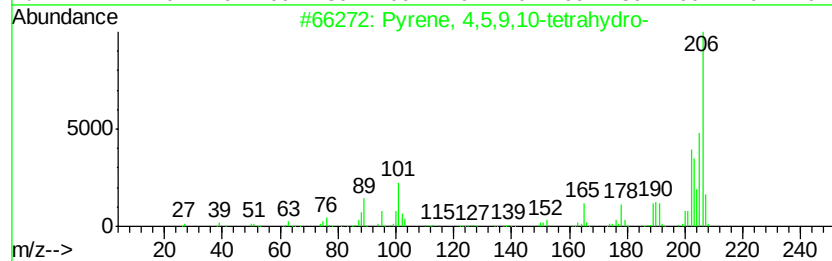
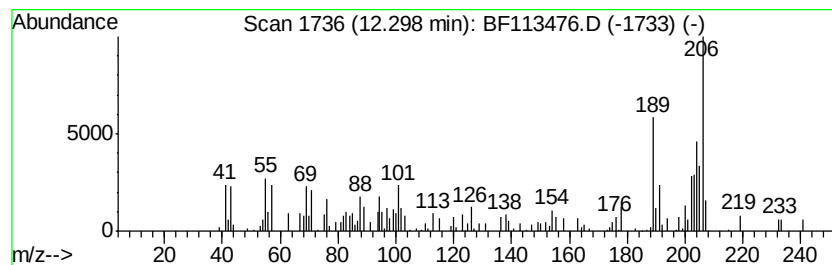
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Pyrene, 4,5,9,10-tetrahydro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.30	2.97 ng	148311	Phenanthrene-d10	11.22		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38	
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38	
3	4-Bromo-2-fluoroanisole	204	C7H6BrFO	002357-52-0	38	
4	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	35	
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35	



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
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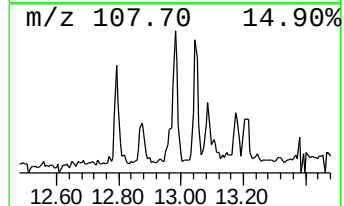
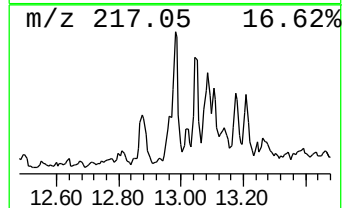
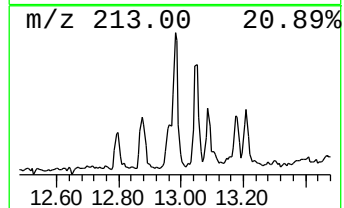
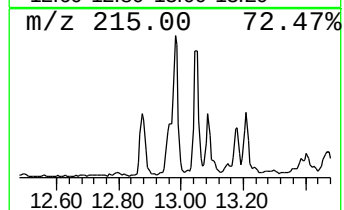
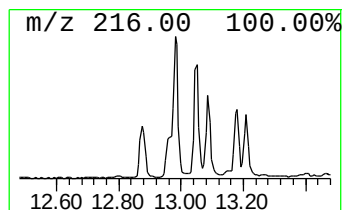
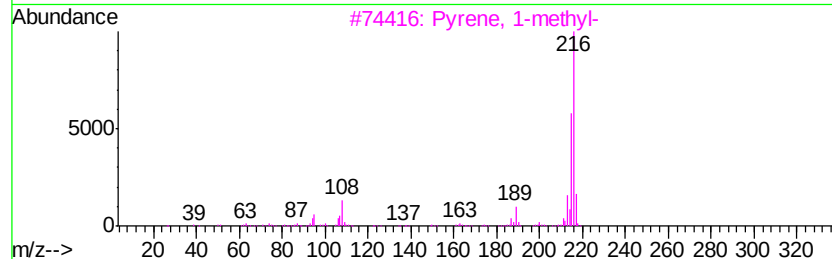
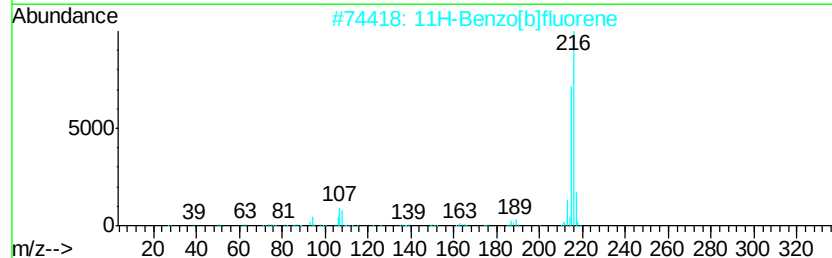
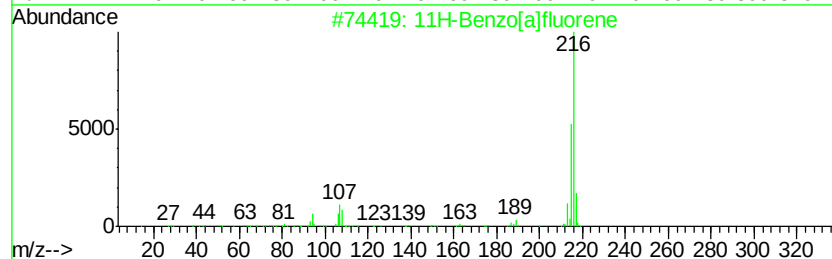
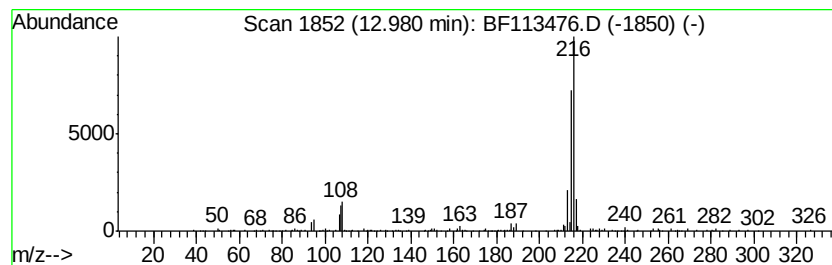
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 11H-Benzo[a]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.98	2.07 ng	166927	Chrysene-d12	13.85
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 91
2		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 87
3		Pyrene, 1-methyl-	216 C17H12	002381-21-7 87
4		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 76
5		Pyrene, 2-methyl-	216 C17H12	003442-78-2 70



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
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ALS Vial : 19 Sample Multiplier: 1

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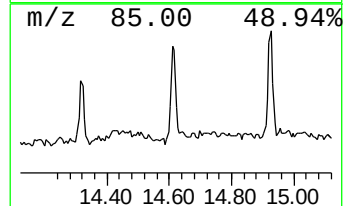
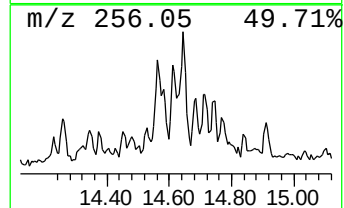
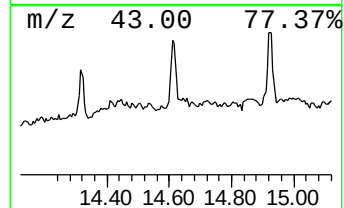
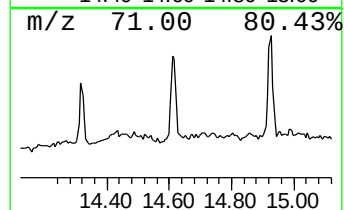
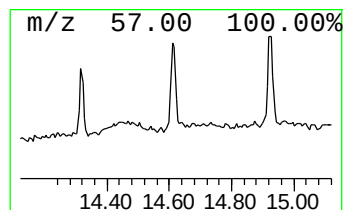
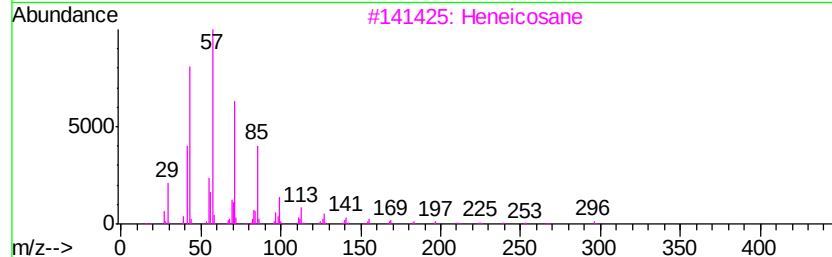
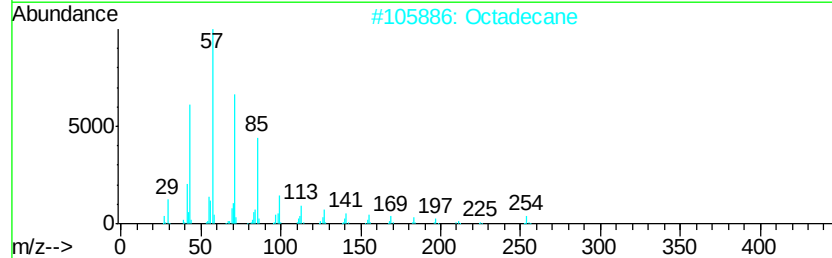
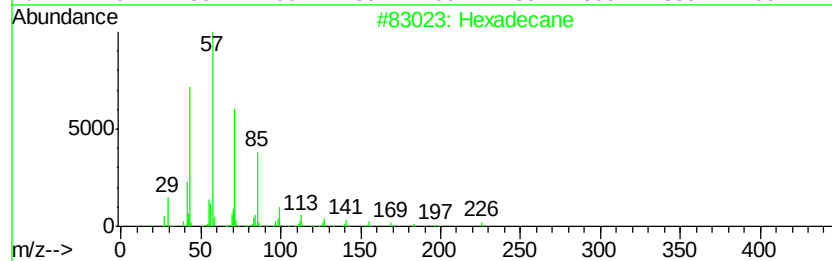
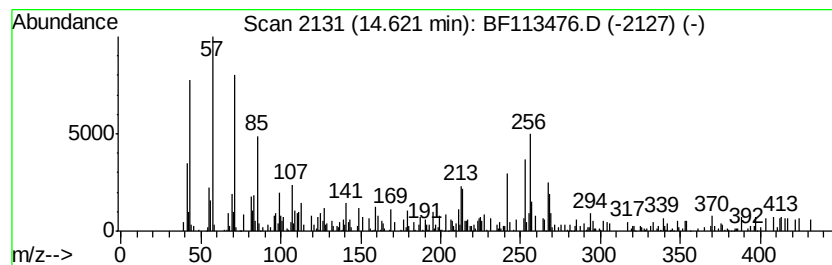
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Hexadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.62	2.77 ng	130727	Perylene-d12	15.26

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	96
2		Octadecane	254	C18H38	000593-45-3	91
3		Heneicosane	296	C21H44	000629-94-7	83
4		Nonadecane	268	C19H40	000629-92-5	83
5		Docosane, 11-decyl-	451	C32H66	055401-55-3	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
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Acq On : 1 Apr 2019 19:47
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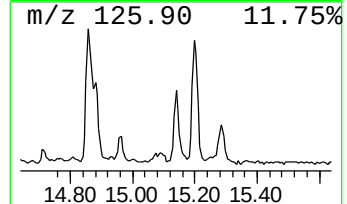
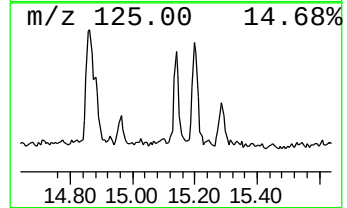
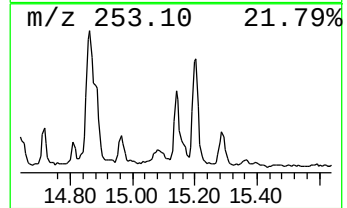
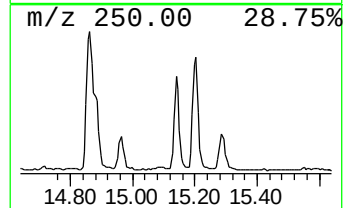
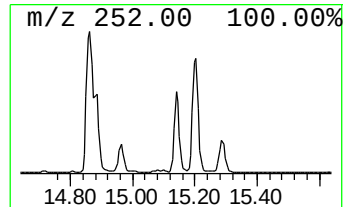
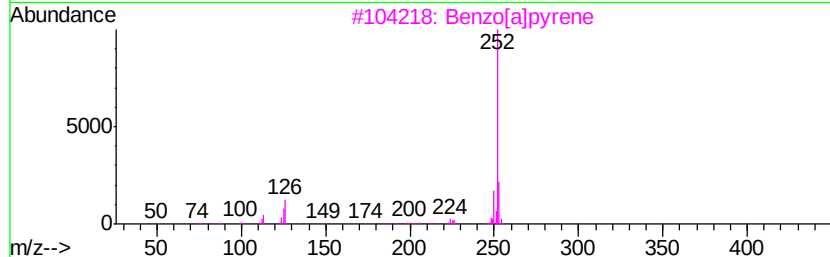
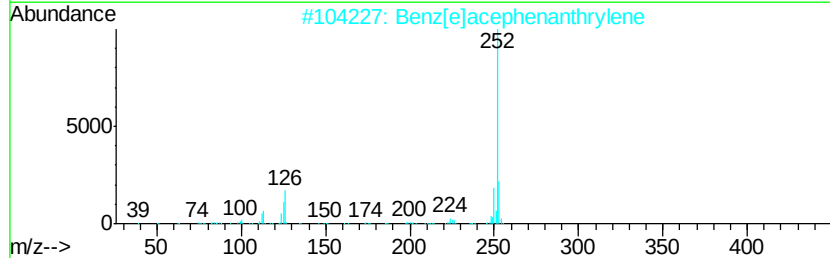
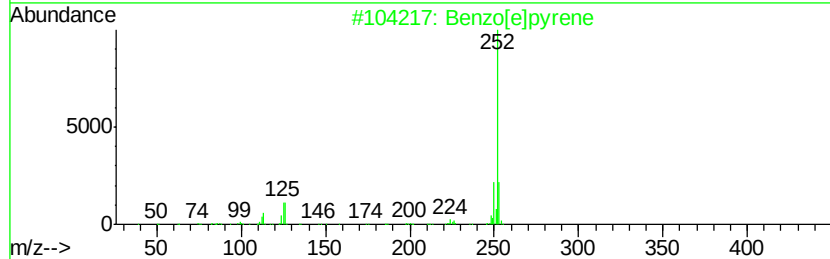
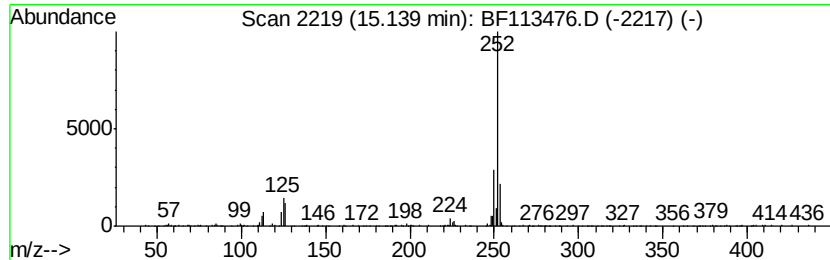
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	4.37 ng	206342	Perylene-d12	15.26

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
3		Benzo[a]pyrene	252	C20H12	000050-32-8	94
4		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5		Perylene	252	C20H12	000198-55-0	93



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Operator : JU/SJ
Sample : K1692-05 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.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
unknown6.48	6.48	15.5	ng	600056	1	6.71	773444	20.0
unknown6.86	6.86	12.5	ng	482093	1	6.71	773444	20.0
1,1'-Biphenyl, 2-...	9.06	13.9	ng	724165	3	9.74	1043950	20.0
9H-Carbazole-9-me...	11.45	2.7	ng	133910	4	11.22	999507	20.0
5H-Dibenzo[a,d]cy...	11.75	2.6	ng	129758	4	11.22	999507	20.0
4H-Cyclopenta[def...	11.83	3.8	ng	190856	4	11.22	999507	20.0
Pyrene, 4,5,9,10-...	12.30	3.0	ng	148311	4	11.22	999507	20.0
11H-Benzo[a]fluorene	12.98	2.1	ng	166927	5	13.85	1614430	20.0
Hexadecane	14.62	2.8	ng	130727	6	15.26	945025	20.0
Benzo[e]pyrene	15.14	4.4	ng	206342	6	15.26	945025	20.0