

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF091119\
 Data File : BF116971.D
 Acq On : 12 Sep 2019 2:27
 Operator : HP/JU
 Sample : K4814-02 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-2

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-BF083019.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	5.016	492	498	505	rBV	22893	26710	1.16%	0.134%
2	5.434	565	569	583	rBV	600730	569715	24.75%	2.859%
3	6.451	738	742	752	rBV	723916	639545	27.79%	3.209%
4	6.592	762	766	777	rBV	773729	667615	29.01%	3.350%
5	6.822	802	805	815	rBV	452929	395133	17.17%	1.983%
6	6.981	828	832	840	rBV	582678	492432	21.40%	2.471%
7	7.381	896	900	913	rBV	412204	389863	16.94%	1.956%
8	8.104	1019	1023	1026	rBV	606124	525658	22.84%	2.638%
9	9.175	1201	1205	1211	rBV	904479	722348	31.39%	3.625%
10	9.563	1269	1271	1277	rVB	125820	118988	5.17%	0.597%
11	9.716	1293	1297	1301	rBV	76255	71694	3.12%	0.360%
12	9.851	1317	1320	1324	rBV	672396	624382	27.13%	3.133%
13	9.886	1324	1326	1330	rVB	48081	39239	1.70%	0.197%
14	10.057	1352	1355	1359	rBV	50930	49549	2.15%	0.249%
15	10.263	1386	1390	1392	rBV3	26491	28602	1.24%	0.144%
16	10.398	1410	1413	1420	rBV2	61509	73577	3.20%	0.369%
17	10.557	1437	1440	1443	rVB	36974	35784	1.55%	0.180%
18	10.639	1450	1454	1459	rBV	420905	413728	17.98%	2.076%
19	10.769	1472	1476	1482	rVB2	47635	69397	3.02%	0.348%
20	11.074	1526	1528	1530	rBV2	33535	32793	1.42%	0.165%
21	11.139	1537	1539	1543	rVB	65200	61702	2.68%	0.310%
22	11.192	1544	1548	1552	rVV4	37566	63763	2.77%	0.320%
23	11.233	1552	1555	1561	rVB2	75568	87301	3.79%	0.438%
24	11.339	1569	1573	1574	rBV	642990	622082	27.03%	3.122%
25	11.363	1574	1577	1580	rVV	928748	844207	36.68%	4.236%
26	11.410	1583	1585	1588	rVV	194607	162216	7.05%	0.814%
27	11.445	1588	1591	1595	rVV4	33248	41783	1.82%	0.210%
28	11.563	1608	1611	1613	rBV	72747	69595	3.02%	0.349%
29	11.627	1620	1622	1625	rVB	53359	50213	2.18%	0.252%
30	11.669	1627	1629	1634	rVB5	31473	38041	1.65%	0.191%
31	11.792	1648	1650	1652	rBV2	26734	23093	1.00%	0.116%
32	11.839	1655	1658	1660	rVV	154101	151956	6.60%	0.763%
33	11.863	1660	1662	1666	rVV	257411	251525	10.93%	1.262%
34	11.910	1668	1670	1673	rVV	74959	77258	3.36%	0.388%

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35	11.951	1673	1677	1679	rVV2	221333	271993	11.82%	1.365%
36	11.969	1679	1680	1685	rVB	119283	96131	4.18%	0.482%
37	12.039	1690	1692	1694	rVB2	47338	36271	1.58%	0.182%
38	12.127	1705	1707	1710	rBV	105989	103846	4.51%	0.521%
39	12.157	1710	1712	1716	rVB	99258	95658	4.16%	0.480%
40	12.280	1731	1733	1736	rVB3	49489	41039	1.78%	0.206%
41	12.316	1736	1739	1741	rBV2	60057	62948	2.74%	0.316%
42	12.386	1748	1751	1754	rBV	113406	118372	5.14%	0.594%
43	12.427	1755	1758	1760	rVV3	84180	104529	4.54%	0.525%
44	12.468	1762	1765	1770	rVB	111086	114337	4.97%	0.574%
45	12.551	1775	1779	1782	rVB	1510056	1280942	55.66%	6.428%
46	12.645	1792	1795	1797	rBV	86351	92246	4.01%	0.463%
47	12.780	1812	1818	1823	rBV	1282653	1377488	59.85%	6.912%
48	12.821	1823	1825	1830	rVB2	54513	71352	3.10%	0.358%
49	12.892	1835	1837	1838	rVV	84971	68581	2.98%	0.344%
50	12.916	1838	1841	1849	rVB	741990	722733	31.40%	3.627%
51	13.080	1866	1869	1870	rBV3	86013	83234	3.62%	0.418%
52	13.204	1888	1890	1894	rVB2	109786	113949	4.95%	0.572%
53	13.298	1904	1906	1909	rVB	65770	51068	2.22%	0.256%
54	13.327	1909	1911	1915	rBV2	60458	63851	2.77%	0.320%
55	13.610	1956	1959	1963	rVB	151104	147237	6.40%	0.739%
56	13.715	1975	1977	1980	rBV2	74255	70362	3.06%	0.353%
57	13.745	1980	1982	1984	rVV	78818	61979	2.69%	0.311%
58	13.774	1984	1987	1992	rVV2	64251	121067	5.26%	0.608%
59	13.815	1992	1994	2001	rVB	163571	202908	8.82%	1.018%
60	13.951	2013	2017	2023	rBV3	1514323	2301473	100.00%	11.549%
61	13.998	2023	2025	2030	rVB	579063	497324	21.61%	2.496%
62	14.357	2084	2086	2089	rVB	102314	79204	3.44%	0.397%
63	14.480	2105	2107	2109	rBV2	81137	74698	3.25%	0.375%
64	15.004	2191	2196	2199	rBV	489337	761578	33.09%	3.822%
65	15.104	2211	2213	2216	rVB	100837	91383	3.97%	0.459%
66	15.298	2242	2246	2252	rVB	282842	395451	17.18%	1.984%
67	15.362	2252	2257	2262	rVB	421707	521204	22.65%	2.615%
68	15.421	2262	2267	2270	rBV	372677	515408	22.39%	2.586%
69	16.851	2505	2510	2518	rVB2	176363	336942	14.64%	1.691%
70	17.280	2578	2583	2594	rVB	115799	247603	10.76%	1.242%

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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

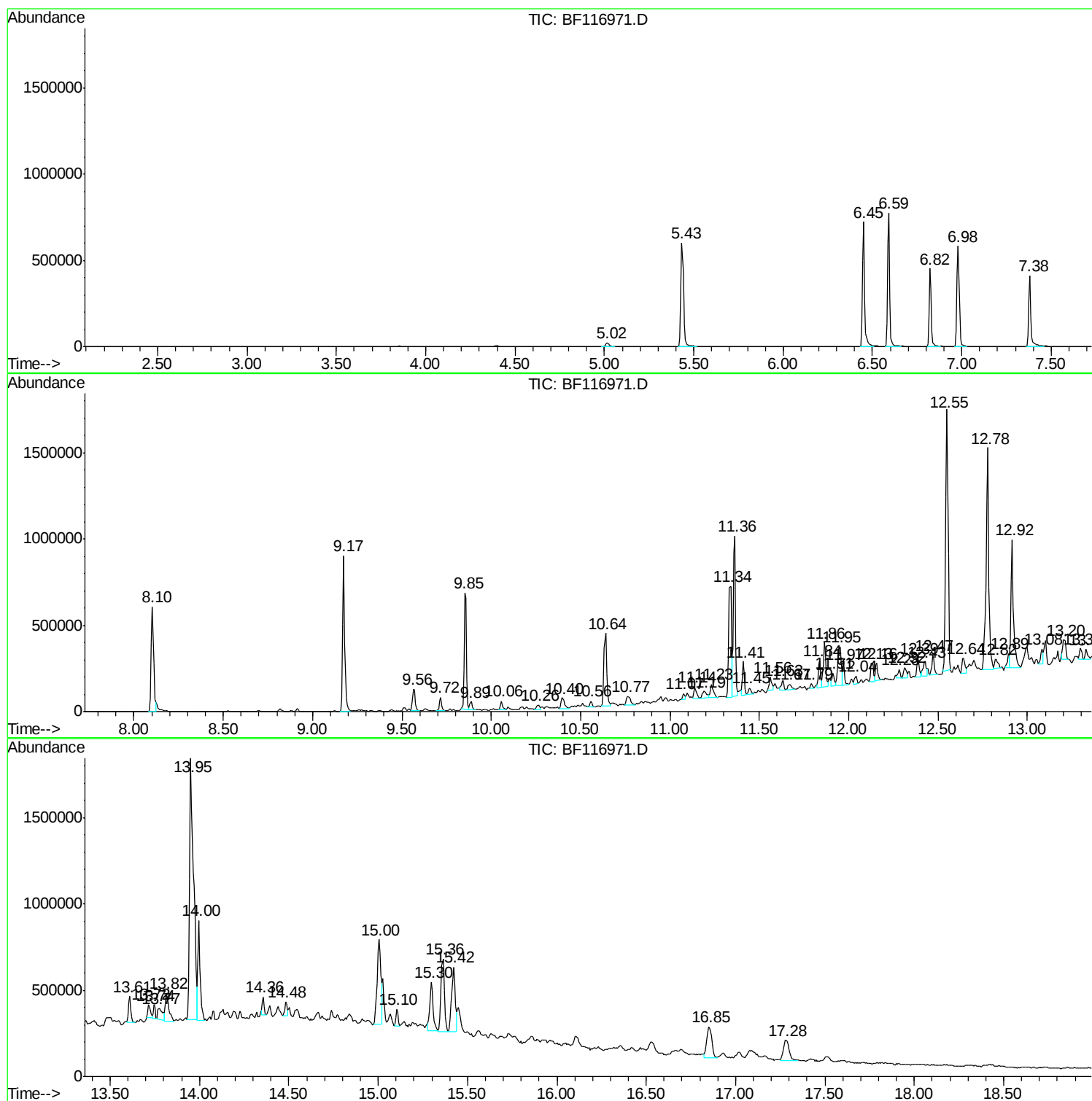
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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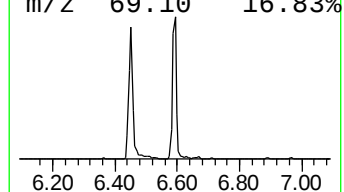
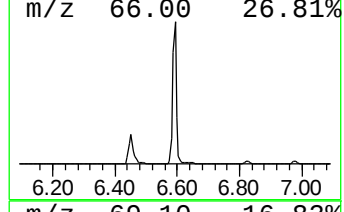
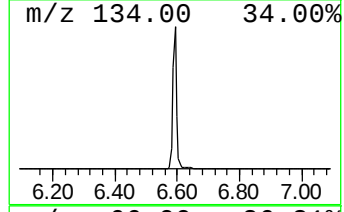
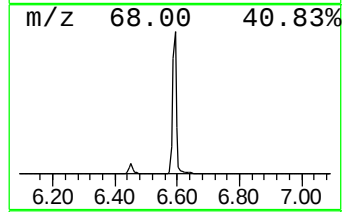
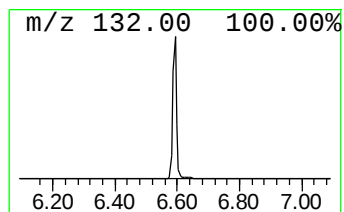
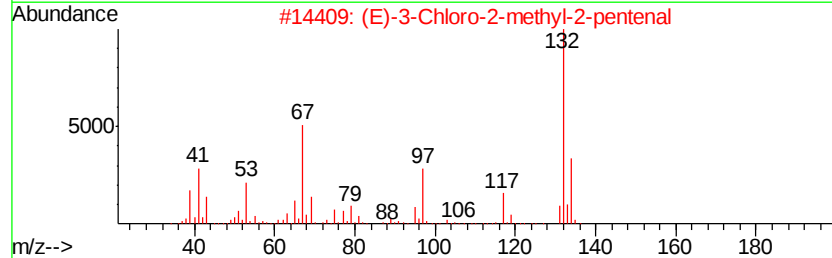
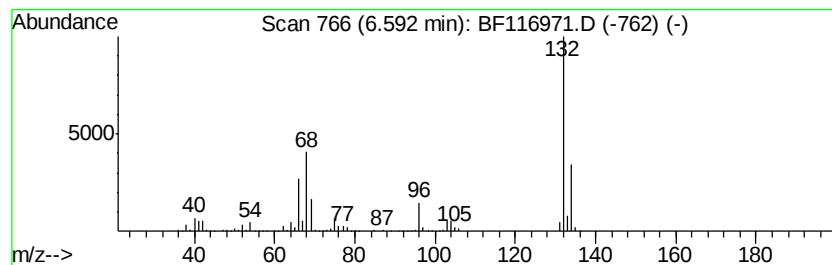
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 unknown6.59 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	33.79 ng	667615	1,4-Dichlorobenzene-d4	6.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3		Tranvlcyproline-propionyl	189	C12H15NO	1000123-86-3	12
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



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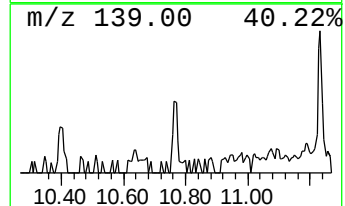
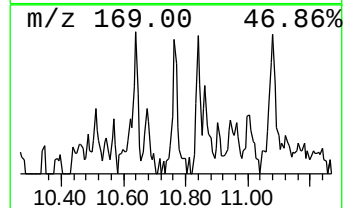
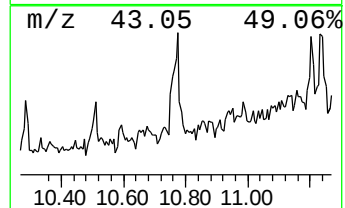
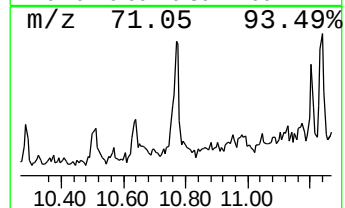
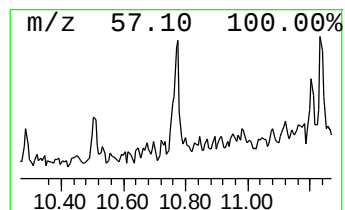
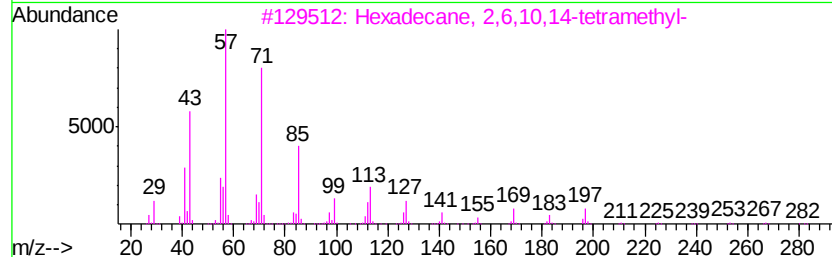
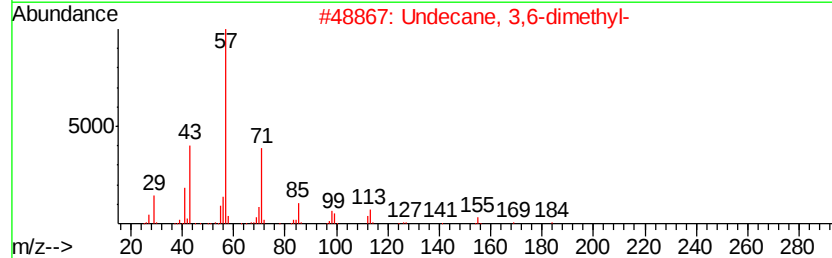
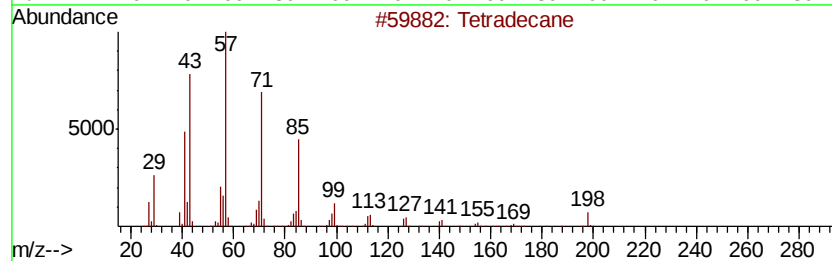
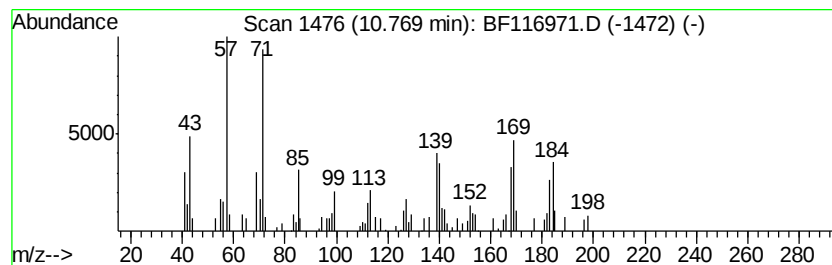
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown10.77 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	2.23 ng	69397	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	30
2		Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	30
3		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	27
4		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	27
5		Sulfurous acid, 2-ethylhexyl tet...	390	C22H46O3S	1000309-19-7	25



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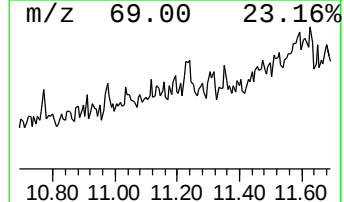
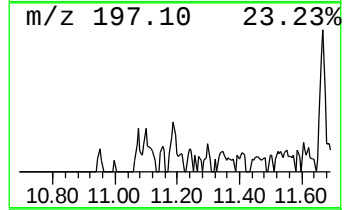
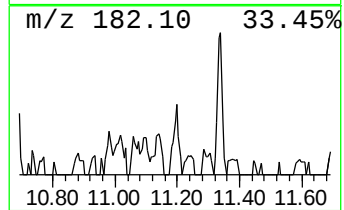
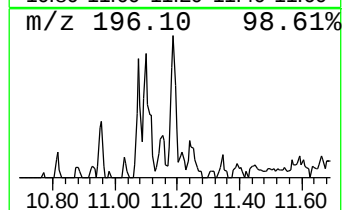
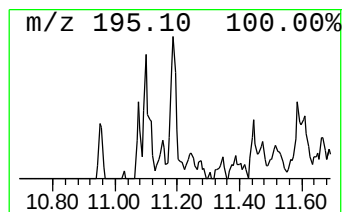
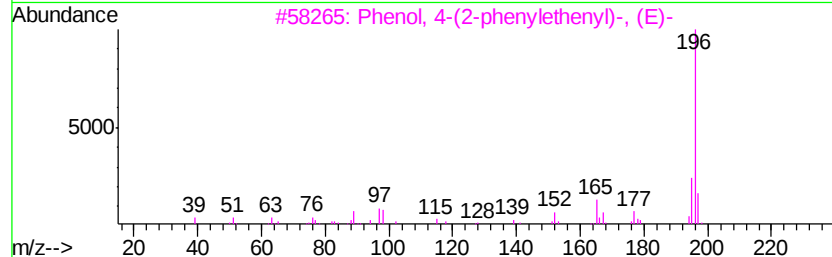
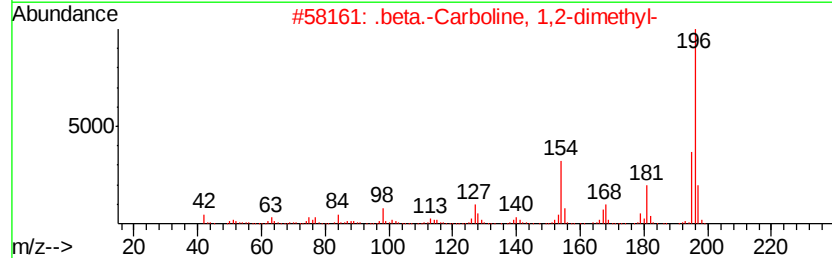
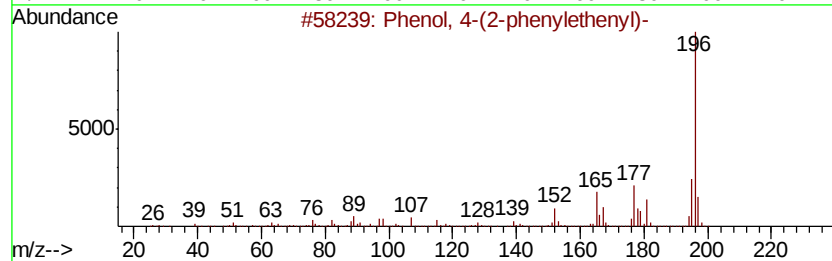
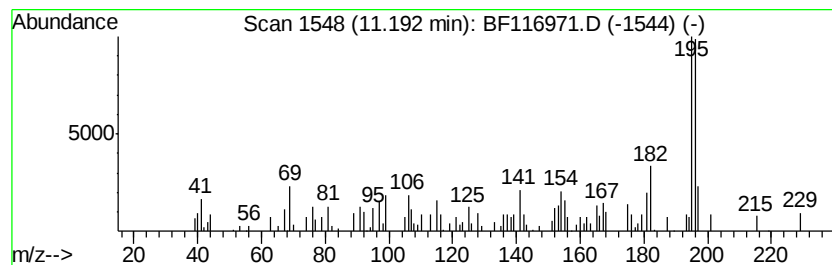
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Peak Number 5 unknown11.19 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	2.05 ng	63763	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	46
2		.beta.-Carboline, 1,2-dimethyl-	196	C13H12N2	109847-05-4	45
3		Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	42
4		8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	38
5		Benzaldehyde, 2,3,4-trimethoxy-	196	C10H12O4	002103-57-3	38



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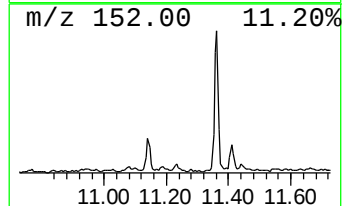
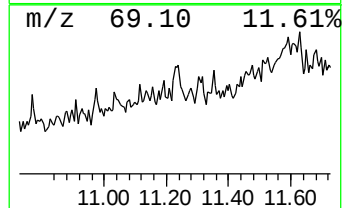
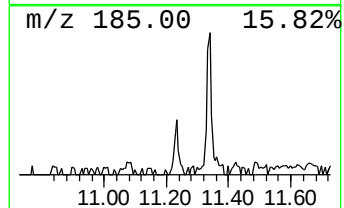
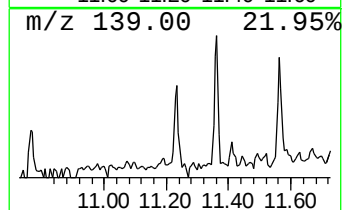
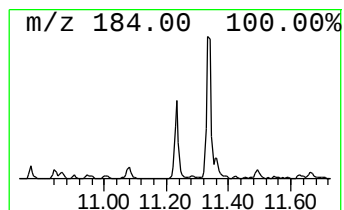
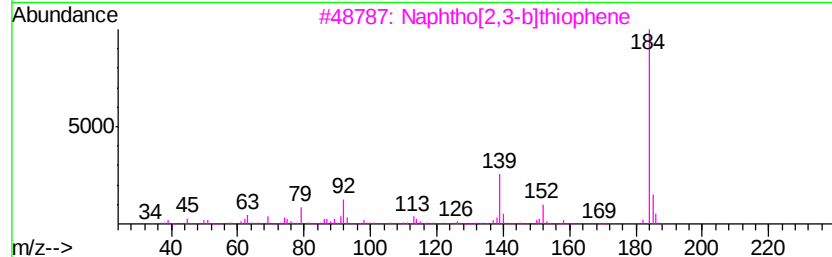
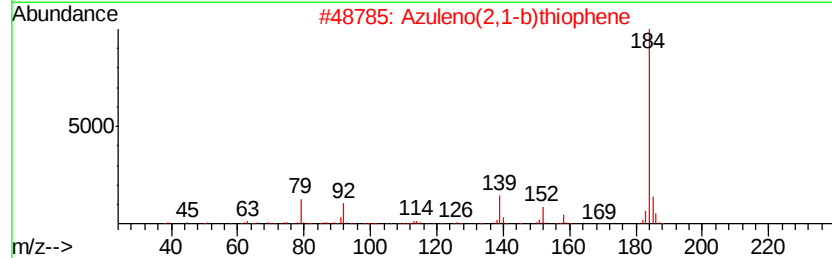
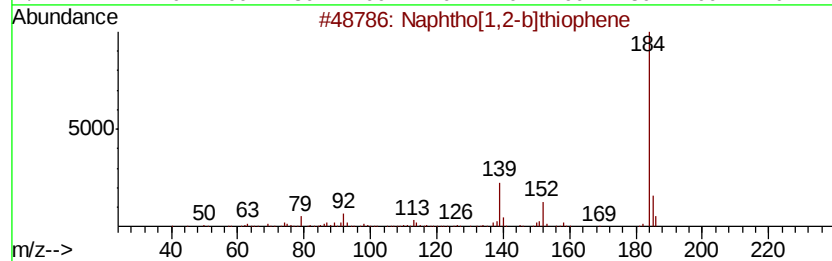
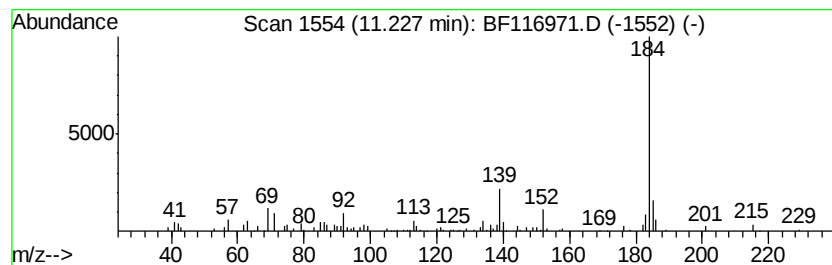
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Naphtho[1,2-b]thiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	2.81 ng	87301	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	89
2		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	76
3		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	76
4		Dibenzothiophene	184	C12H8S	000132-65-0	76
5		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	76



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Operator : HP/JU
Sample : K4814-02 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

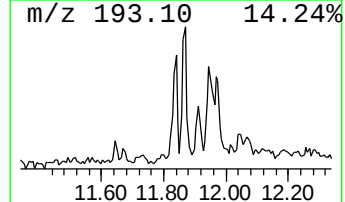
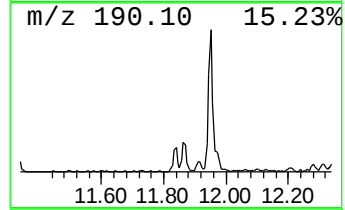
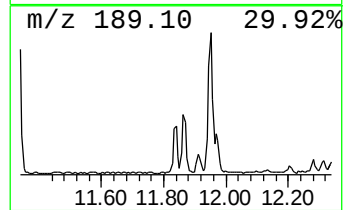
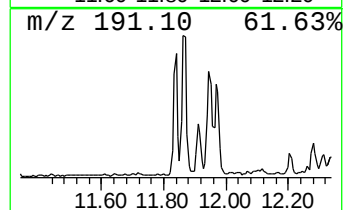
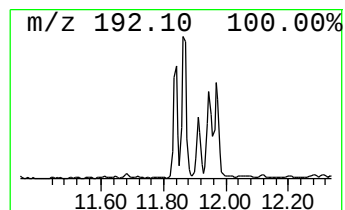
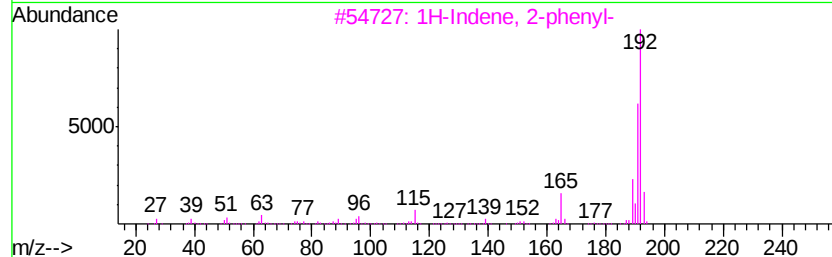
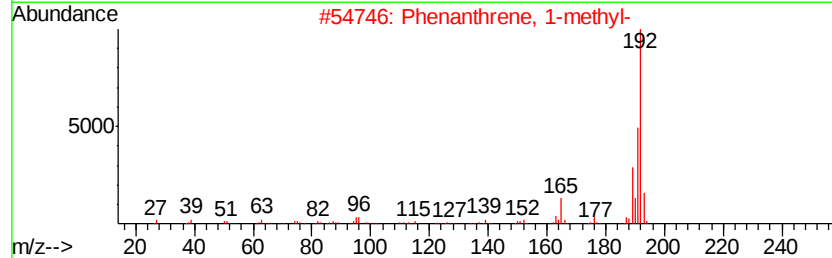
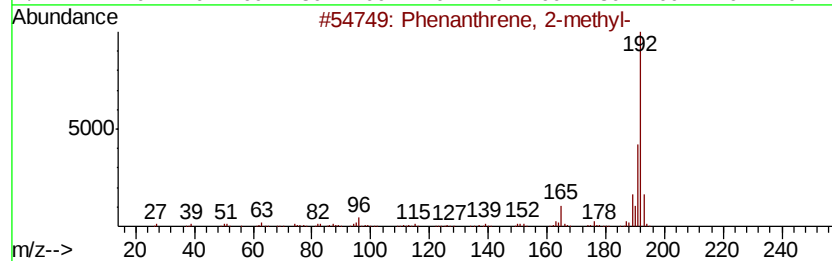
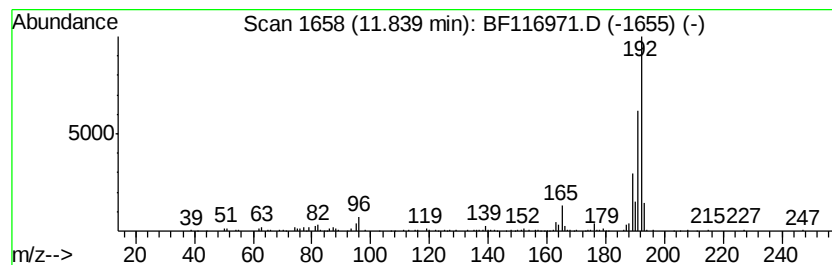
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.84	4.89 ng	151956	Phenanthrene-d10		11.34
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
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Sample : K4814-02 2X
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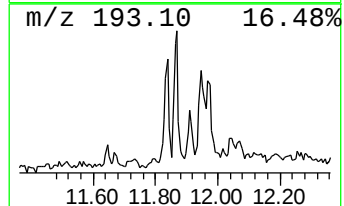
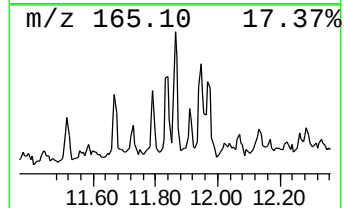
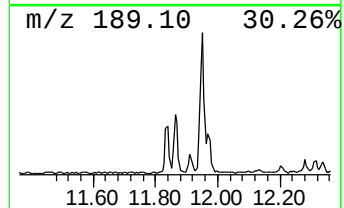
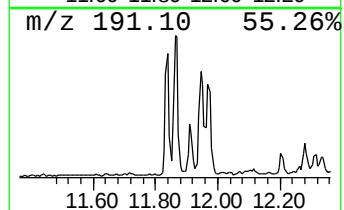
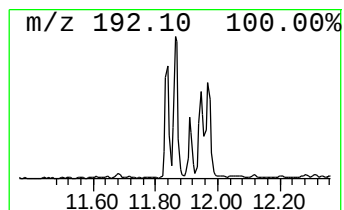
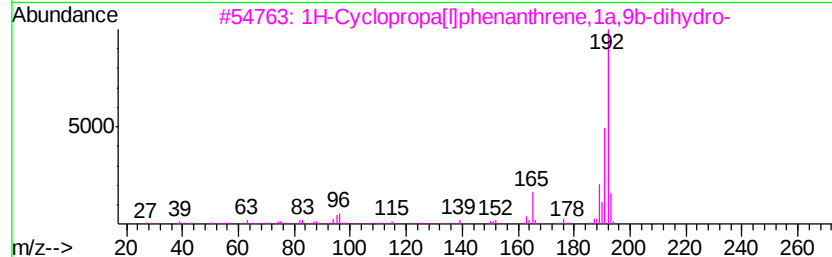
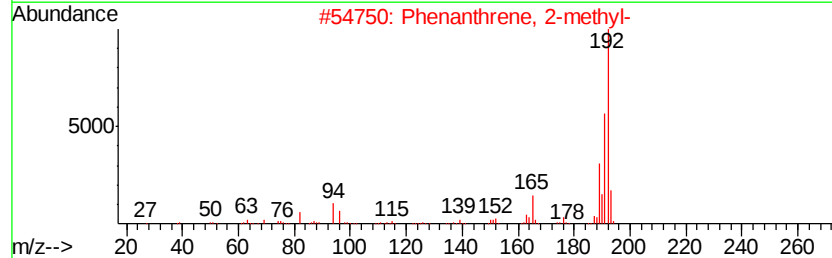
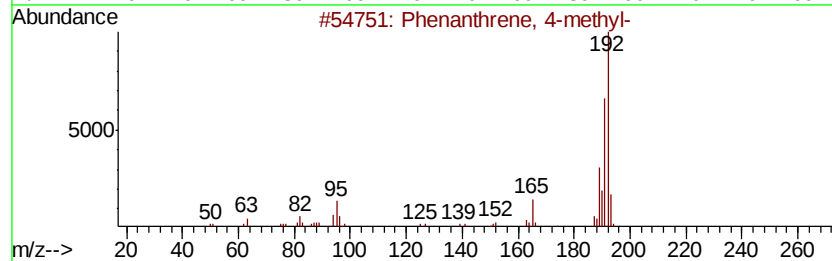
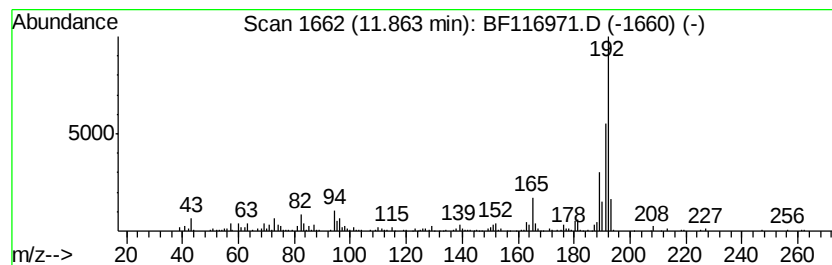
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.86	8.09 ng	251525	Phenanthrene-d10	11.34	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
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Acq On : 12 Sep 2019 2:27
Operator : HP/JU
Sample : K4814-02 2X
Misc :
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Instrument :
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ClientSampleId :
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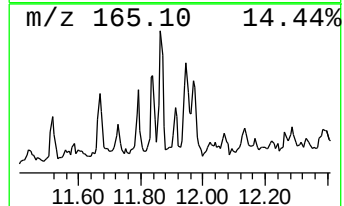
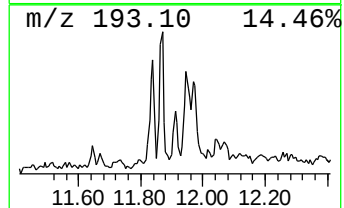
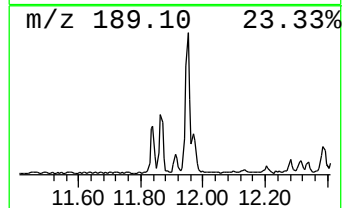
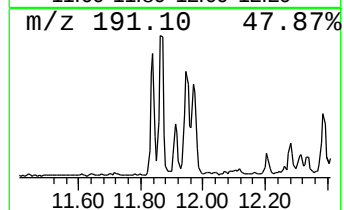
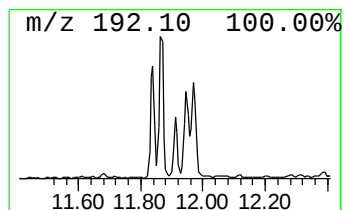
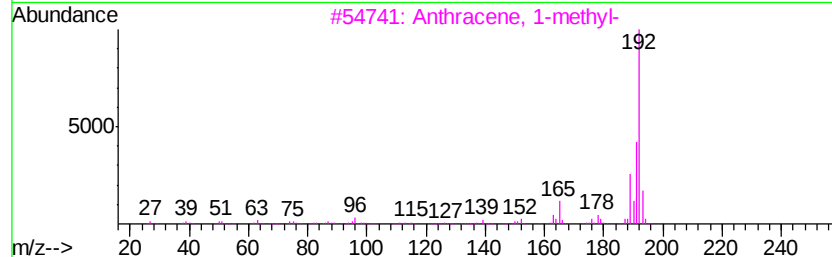
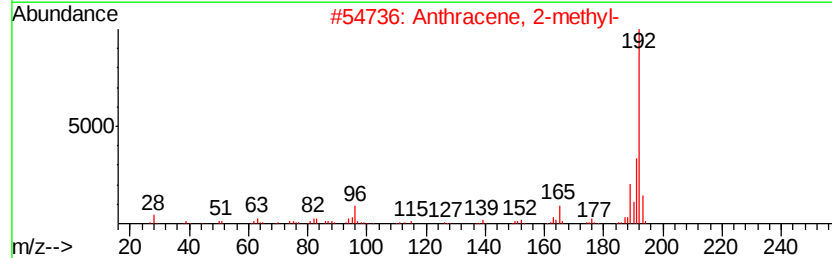
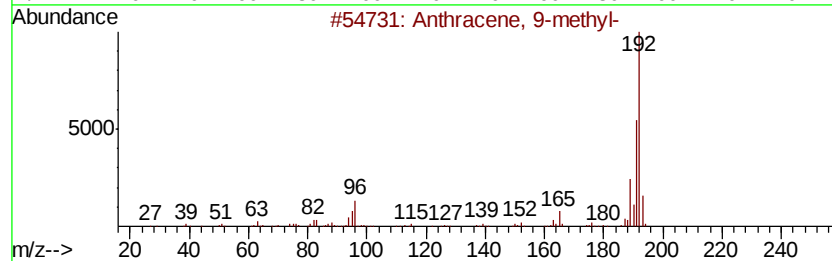
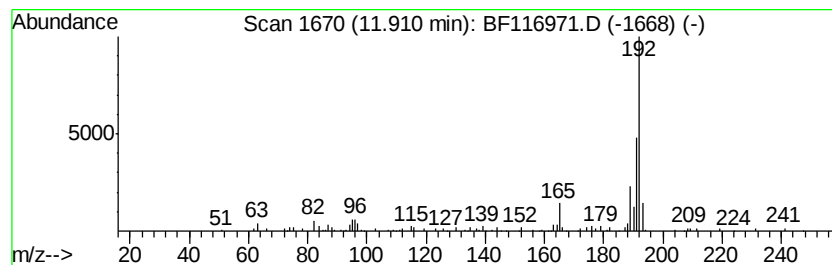
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Anthracene, 9-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	2.48 ng	77258	Phenanthrene-d10	11.34

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3			Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
5			1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
 Data File : BF116971.D
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Instrument :
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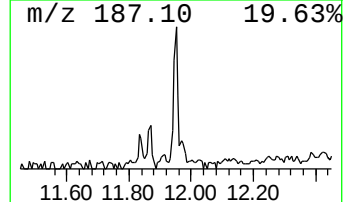
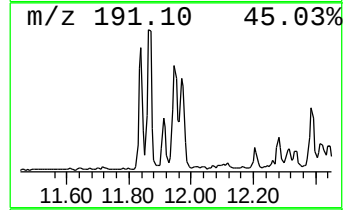
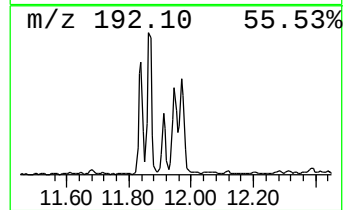
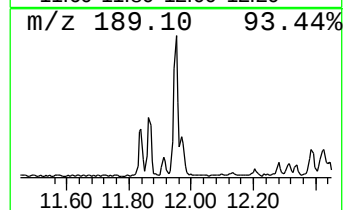
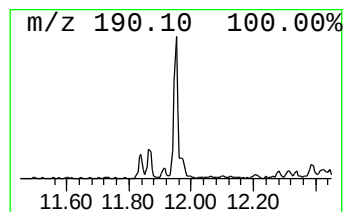
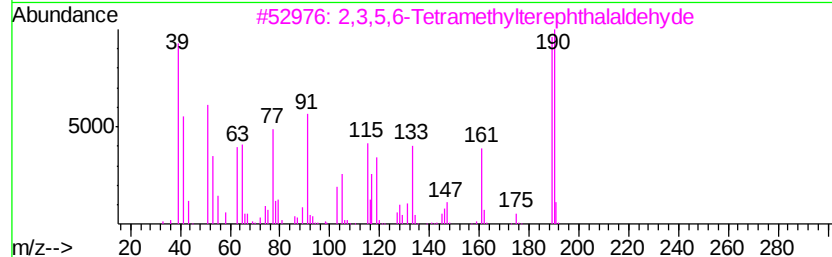
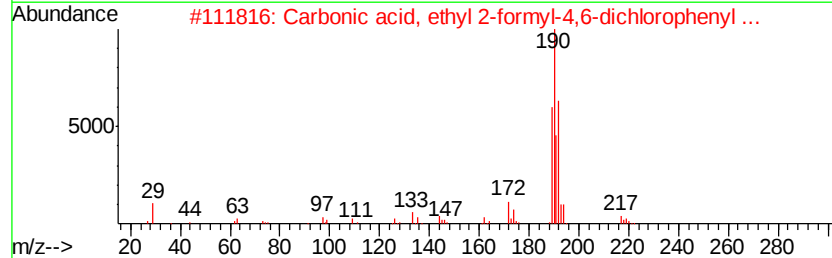
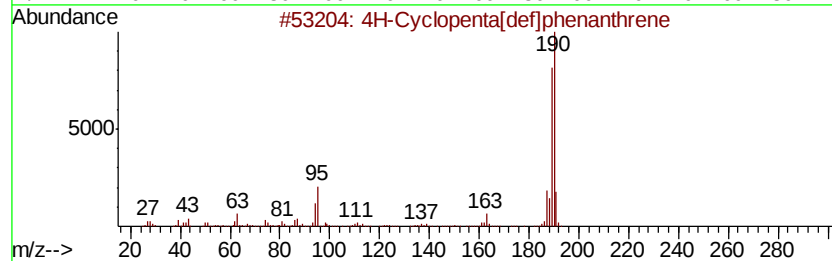
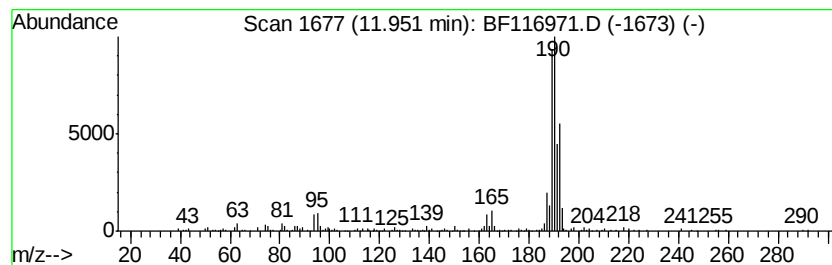
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	8.74 ng	271993	Phenanthrene-d10	11.34

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
2			Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
3			2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	46
4			Naphtho[1,2-b]norborene	192	C15H12	1000210-14-8	38
5			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
Data File : BF116971.D
Acq On : 12 Sep 2019 2:27
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Sample : K4814-02 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

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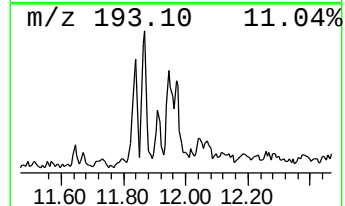
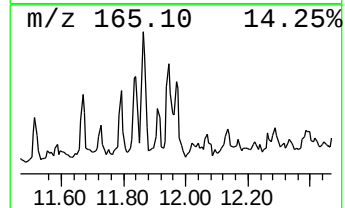
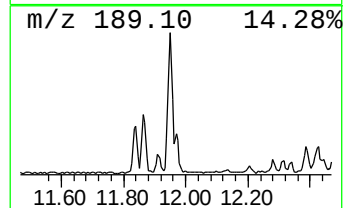
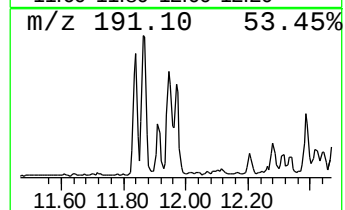
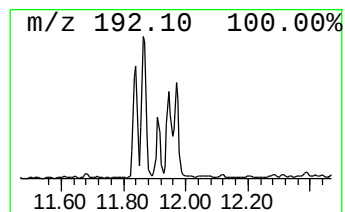
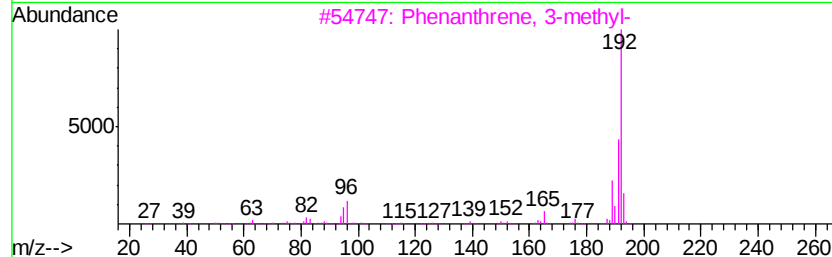
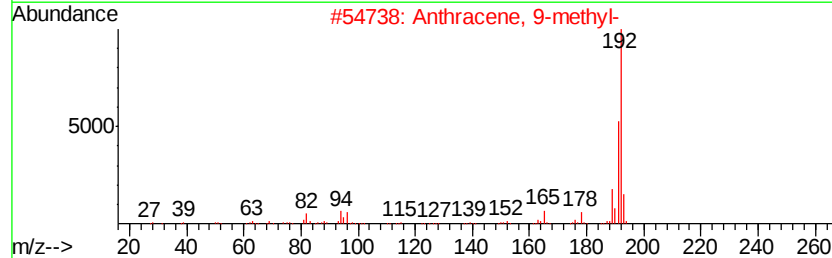
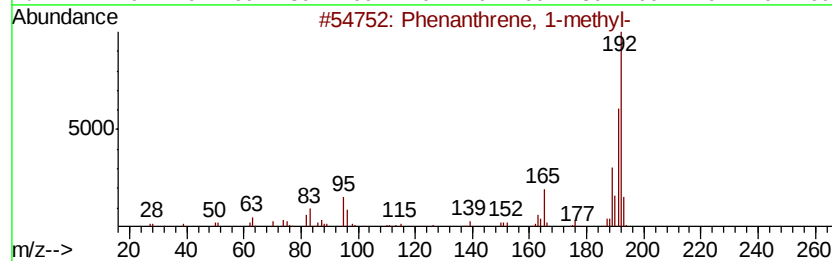
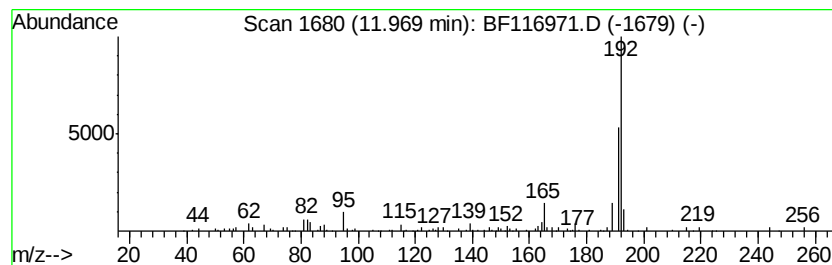
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	3.09 ng	96131	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
2		Anthracene, 9-methyl-	192	C15H12	000779-02-2	83
3		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	72
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	72
5		Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
Data File : BF116971.D
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ClientSampleId :
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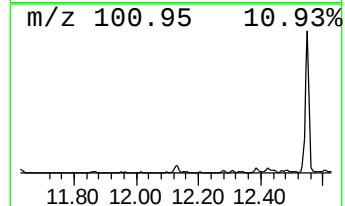
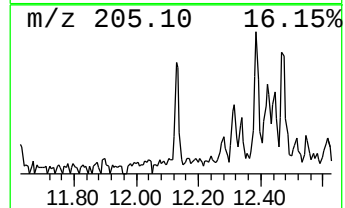
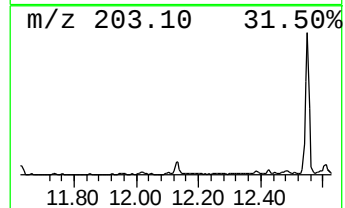
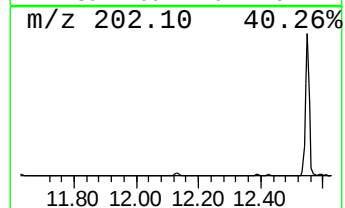
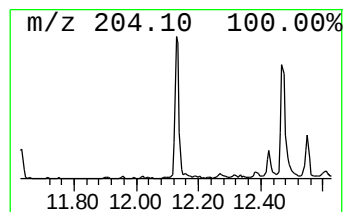
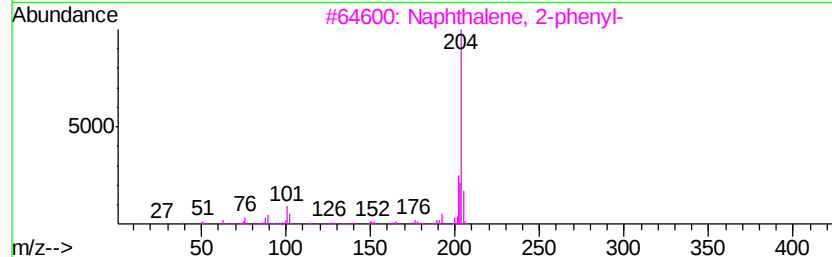
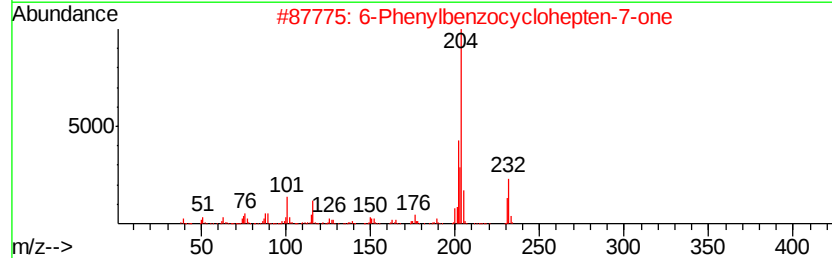
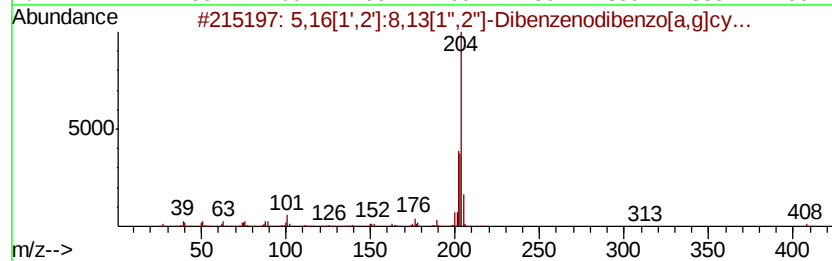
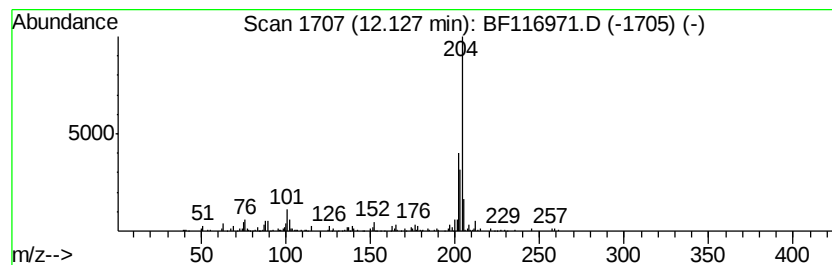
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	3.34 ng	103846	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
2		6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	78
3		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
Data File : BF116971.D
Acq On : 12 Sep 2019 2:27
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ALS Vial : 22 Sample Multiplier: 1

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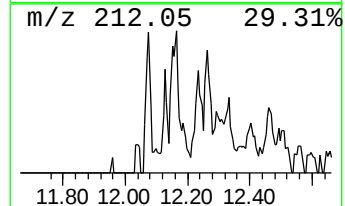
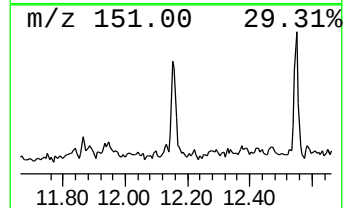
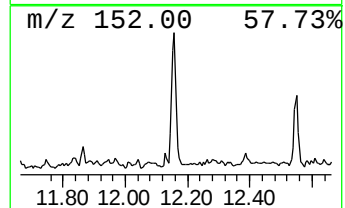
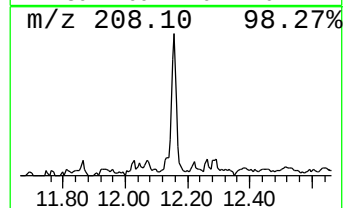
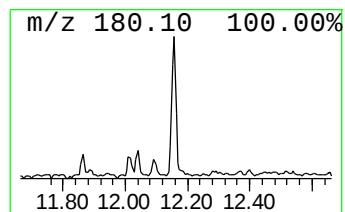
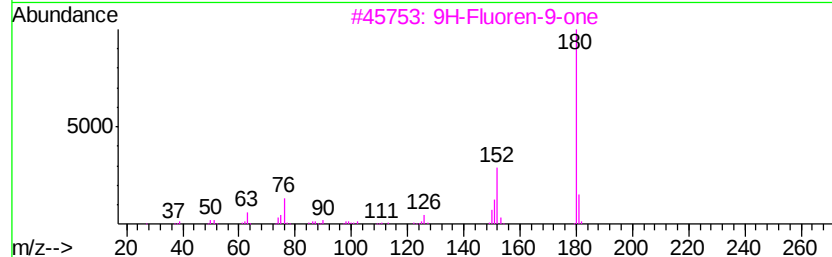
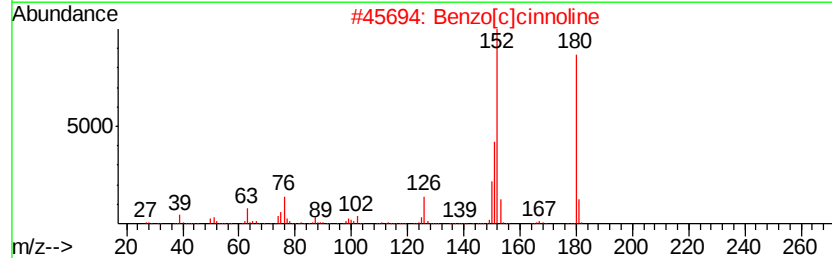
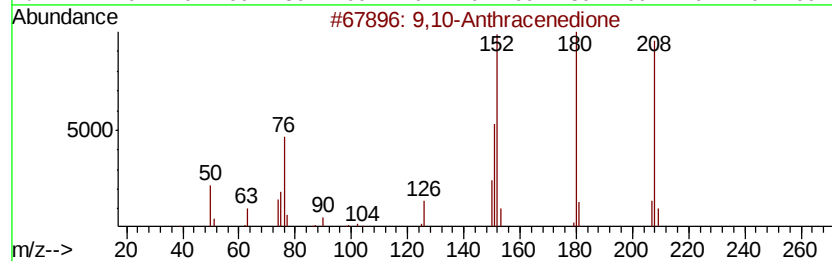
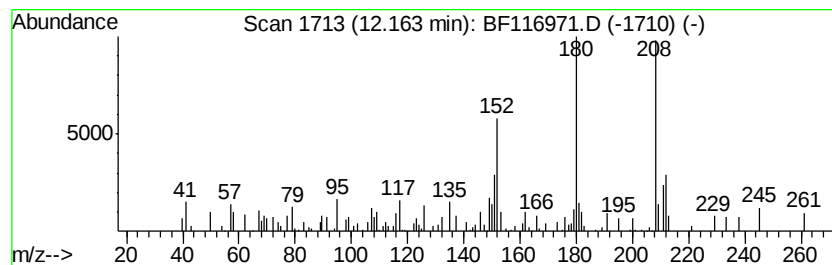
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	3.08 ng	95658	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	95
3		9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
4		9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	60
5		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
Data File : BF116971.D
Acq On : 12 Sep 2019 2:27
Operator : HP/JU
Sample : K4814-02 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

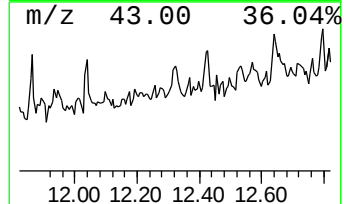
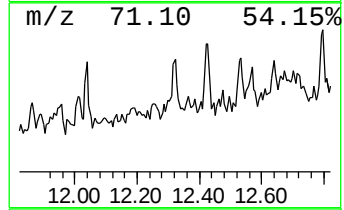
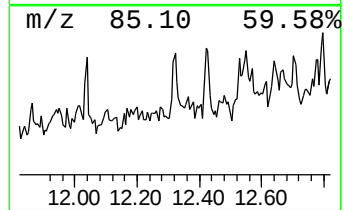
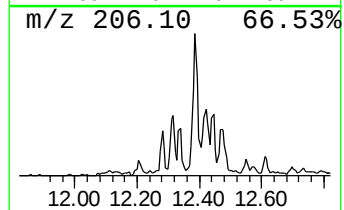
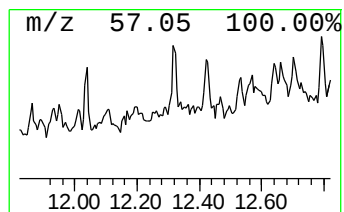
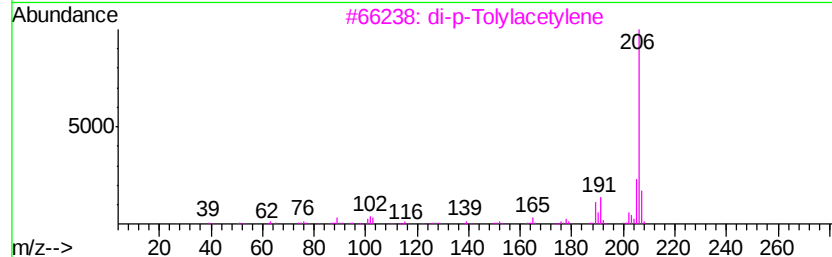
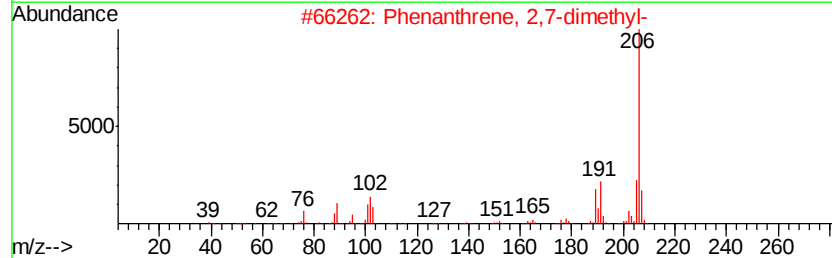
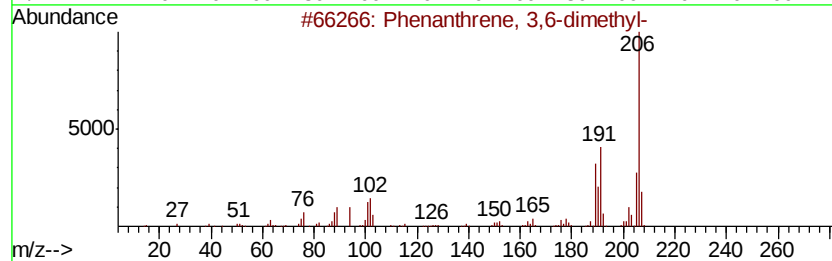
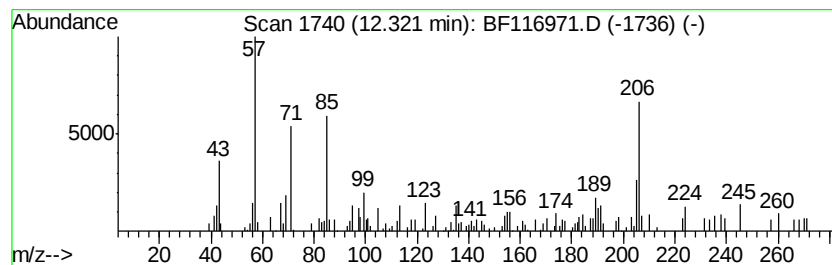
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ClientSampleID :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.32	2.02 ng	62948	Phenanthrene-d10	11.34	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	74
3	di-p-Tolylacetvlene	206	C16H14	002789-88-0	59
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	59
5	5-Methyl-2-(p-tolylimino)-1,3-th...	206	C11H14N2S	070446-87-6	55



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
Data File : BF116971.D
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Sample : K4814-02 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

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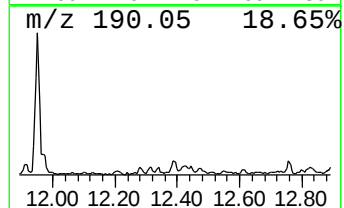
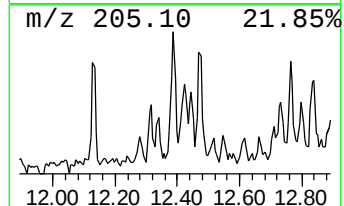
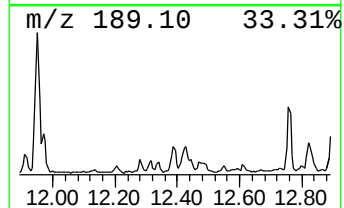
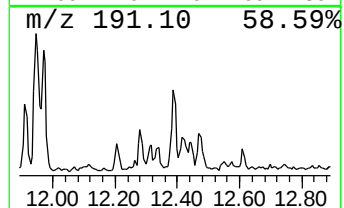
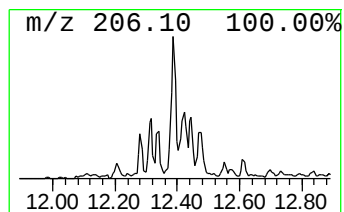
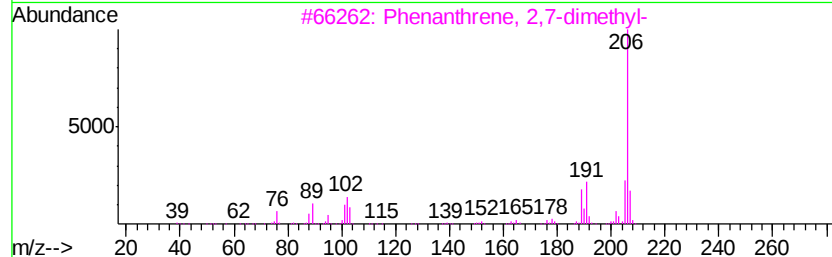
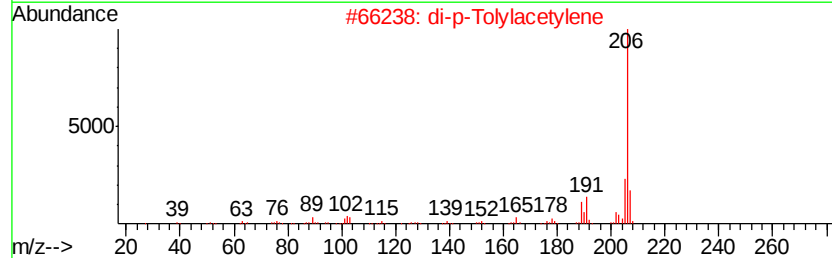
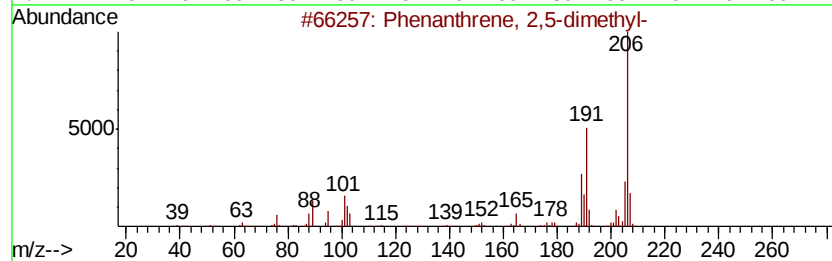
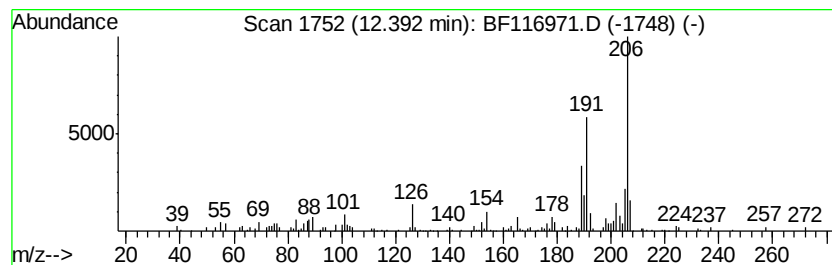
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	3.81 ng	118372	Phenanthrene-d10	11.34

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2			di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3			Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
4			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
Data File : BF116971.D
Acq On : 12 Sep 2019 2:27
Operator : HP/JU
Sample : K4814-02 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

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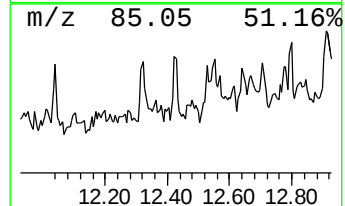
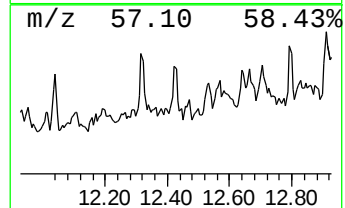
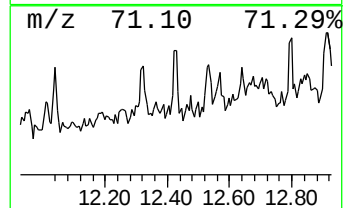
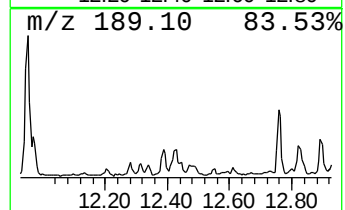
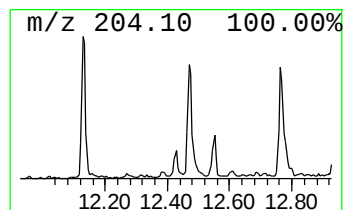
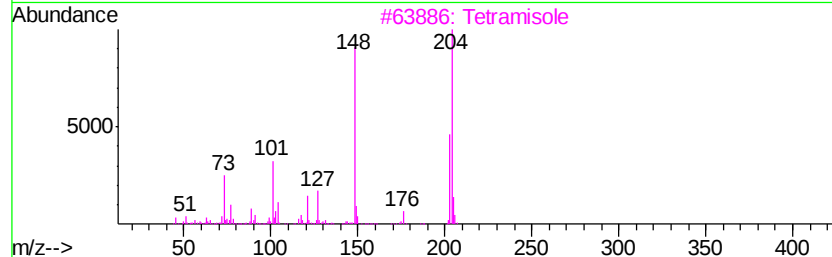
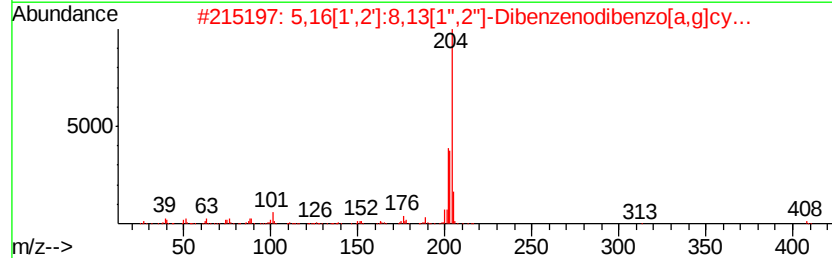
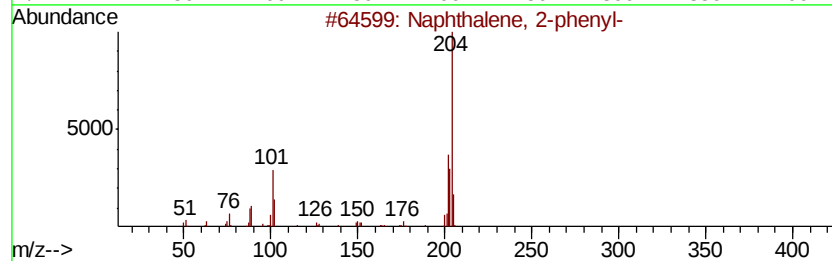
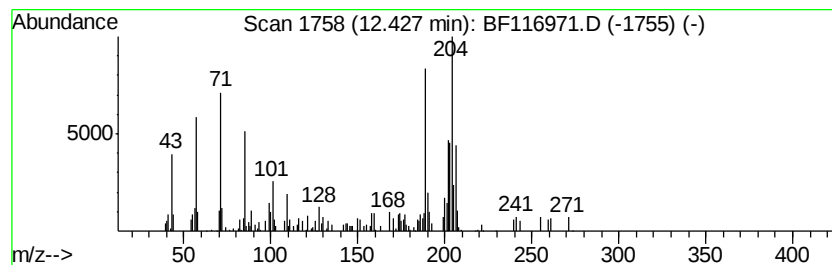
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown12.43 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	3.36 ng	104529	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
2		5,16[1',2'] :8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	35
3		Tetramisole	204	C11H12N2S	005036-02-2	30
4		Levamisole	204	C11H12N2S	014769-73-4	30
5		Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	27



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
Data File : BF116971.D
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Sample : K4814-02 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

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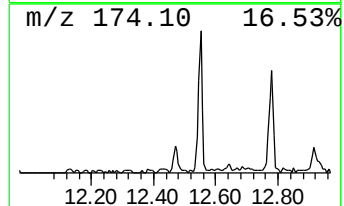
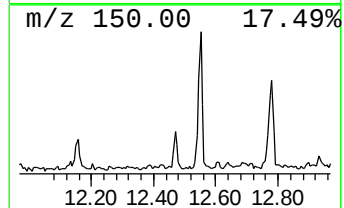
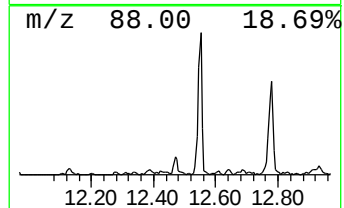
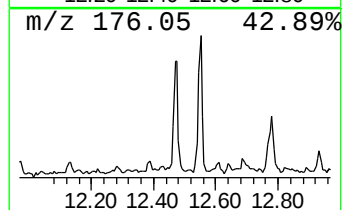
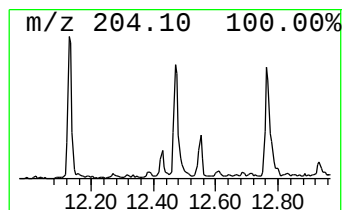
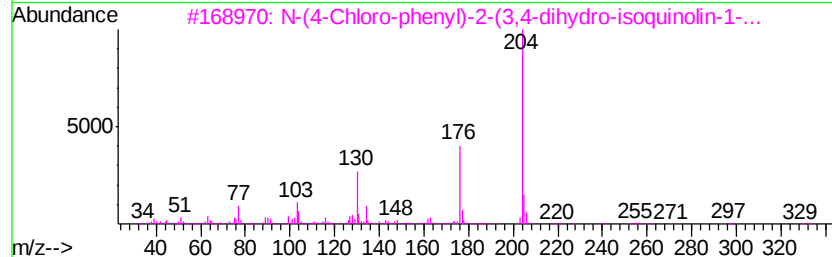
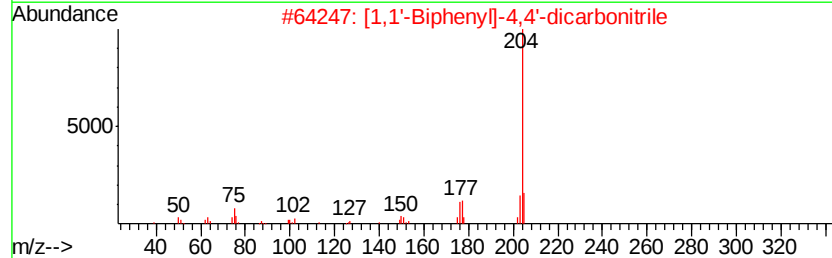
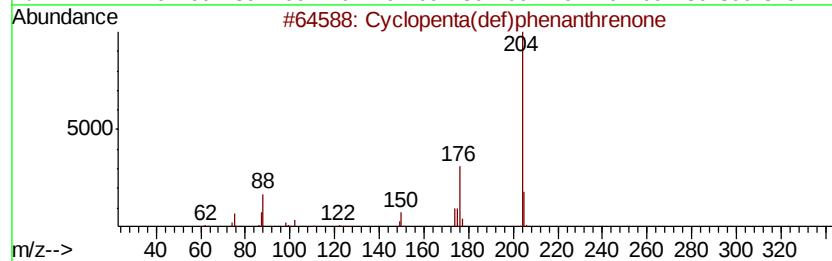
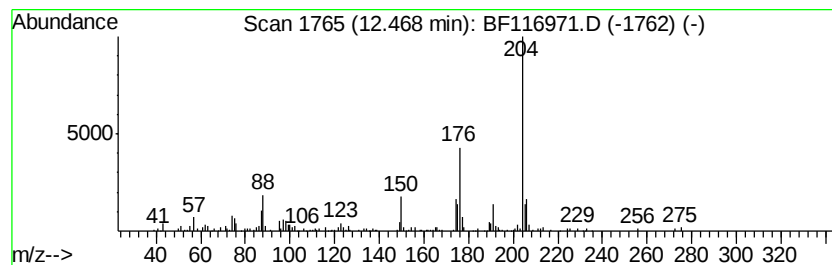
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	3.68 ng	114337	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
3		N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	50
4		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
5		4-Methoxy-6-(3-fluorophenyl)pyri...	204	C11H9FN2O	076128-74-0	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
Data File : BF116971.D
Acq On : 12 Sep 2019 2:27
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Misc :
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Instrument :
BNA_F
ClientSampleId :
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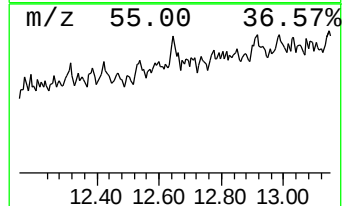
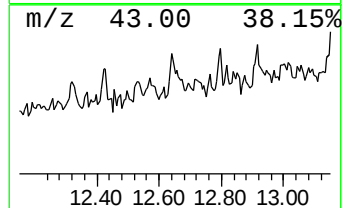
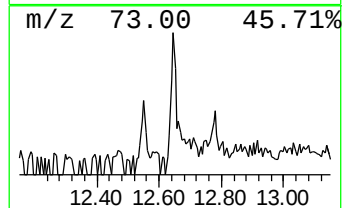
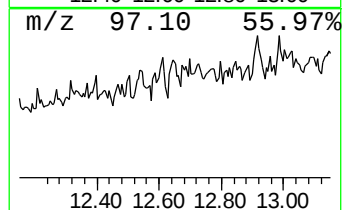
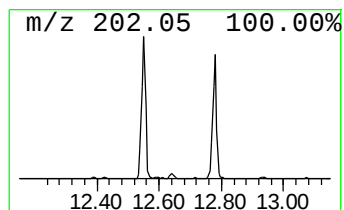
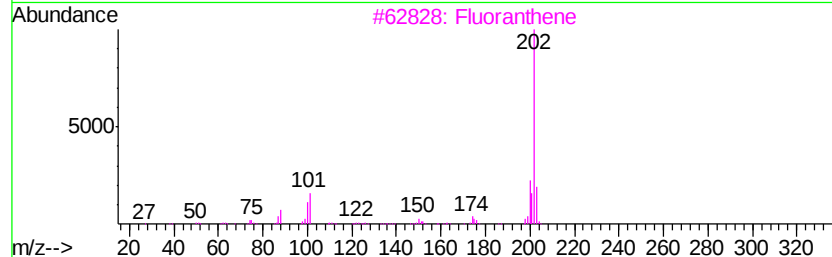
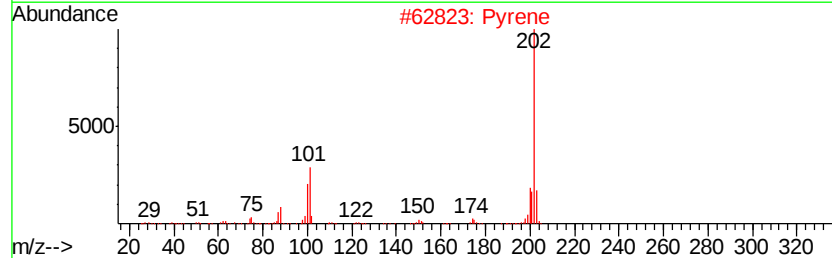
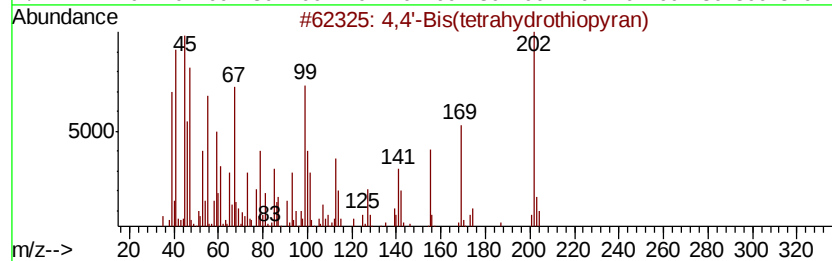
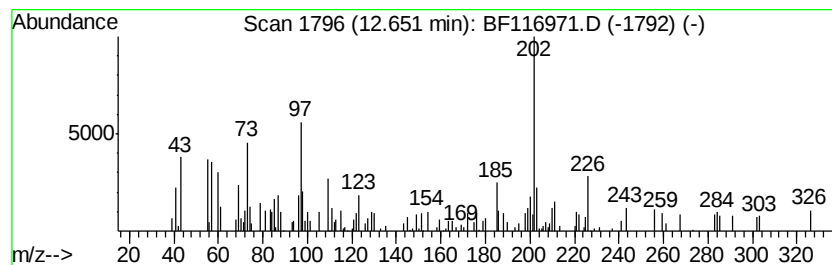
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 4,4'-Bis(tetrahydrothiopyran) Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	2.97 ng	92246	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	95
2		Pyrene	202	C16H10	000129-00-0	70
3		Fluoranthene	202	C16H10	000206-44-0	70
4		Benzene, 1,1'-(1,3-butadiene-1,4...	202	C16H10	000886-66-8	68
5		Di-1H-pyrrol-1-yl-isopropenylsilane	202	C11H14N2Si	1000306-57-7	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
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Misc :
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ClientSampleId :
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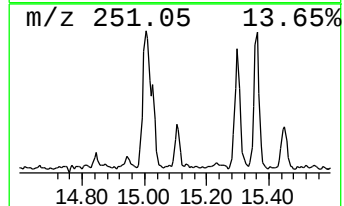
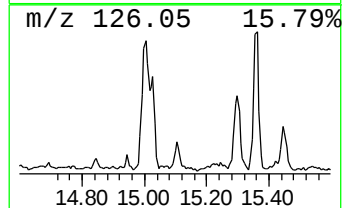
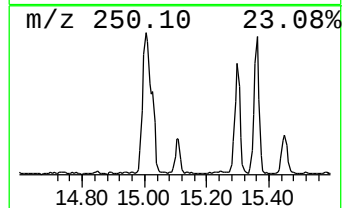
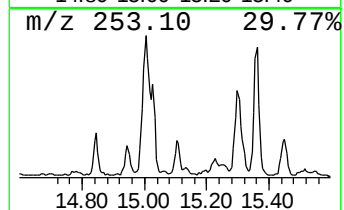
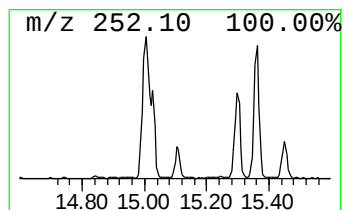
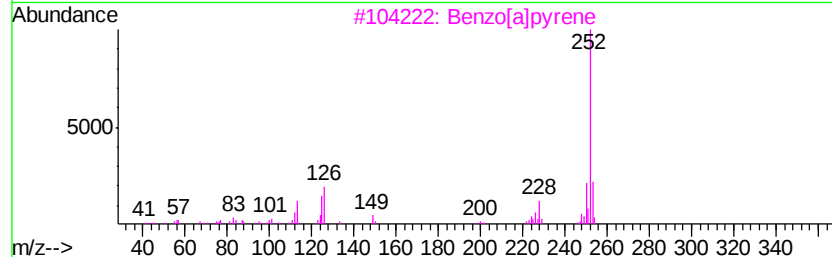
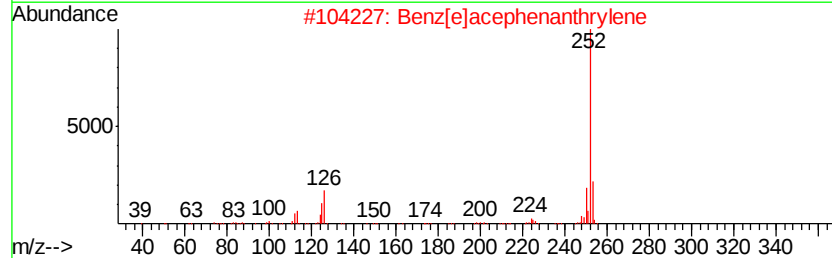
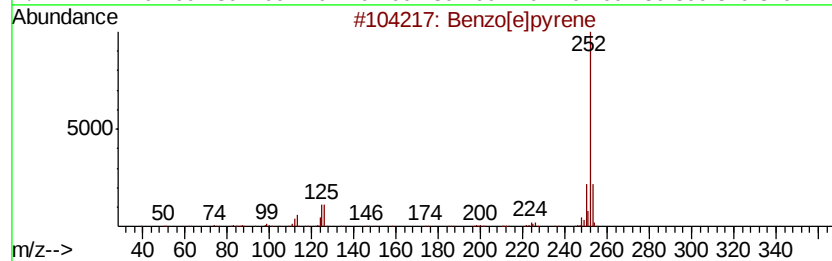
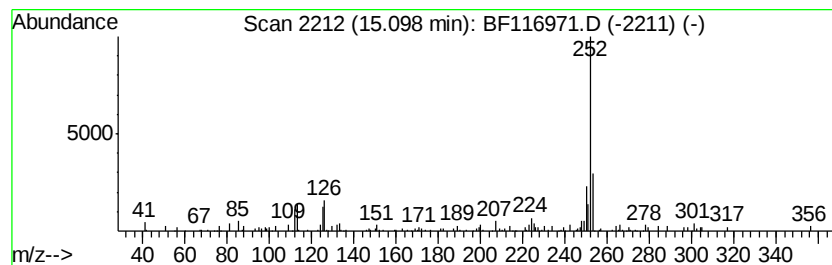
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	3.55 ng	91383	Perylene-d12	15.42

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]bpvrene	252	C20H12	000192-97-2	95
2		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	90
3		Benzo[a]bpvrene	252	C20H12	000050-32-8	87
4		Perylene	252	C20H12	000198-55-0	81
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF091119\
 Data File : BF116971.D
 Acq On : 12 Sep 2019 2:27
 Operator : HP/JU
 Sample : K4814-02 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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
unknown6.59	6.59	33.8	ng	667615	1	6.82	395133	20.0
unknown10.77	10.77	2.2	ng	69397	4	11.34	622082	20.0
unknown11.19	11.19	2.0	ng	63763	4	11.34	622082	20.0
Naphtho[1,2-b]thi...	11.23	2.8	ng	87301	4	11.34	622082	20.0
Phenanthrene, 2-m...	11.84	4.9	ng	151956	4	11.34	622082	20.0
Phenanthrene, 4-m...	11.86	8.1	ng	251525	4	11.34	622082	20.0
Anthracene, 9-met...	11.91	2.5	ng	77258	4	11.34	622082	20.0
4H-Cyclopenta[def...	11.95	8.7	ng	271993	4	11.34	622082	20.0
Phenanthrene, 1-m...	11.97	3.1	ng	96131	4	11.34	622082	20.0
5,16[1',2']:8,13[...	12.13	3.3	ng	103846	4	11.34	622082	20.0
9,10-Anthracenedione	12.16	3.1	ng	95658	4	11.34	622082	20.0
Phenanthrene, 3,6...	12.32	2.0	ng	62948	4	11.34	622082	20.0
Phenanthrene, 2,5...	12.39	3.8	ng	118372	4	11.34	622082	20.0
unknown12.43	12.43	3.4	ng	104529	4	11.34	622082	20.0
Cyclopenta(def)ph...	12.47	3.7	ng	114337	4	11.34	622082	20.0
4,4'-Bis(tetrahyd...	12.65	3.0	ng	92246	4	11.34	622082	20.0
Benzo[e]pyrene	15.10	3.5	ng	91383	6	15.42	515408	20.0