

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
 Data File : BF104634.D
 Acq On : 19 Apr 2018 18:05
 Operator : JU/SJ
 Sample : J2439-01 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CDMF-B3-0-6

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:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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	4.992	491	494	502	rBV	48386	56167	3.69%	0.240%
2	5.416	562	566	580	rBV	1155988	1119331	73.52%	4.773%
3	6.434	735	739	752	rBV	1167230	1122318	73.72%	4.786%
4	6.569	759	762	766	rBV	1367094	1172402	77.01%	4.999%
5	6.804	798	802	805	rBV	850254	721431	47.39%	3.076%
6	6.957	824	828	831	rBV	1208213	963193	63.27%	4.107%
7	7.363	893	897	907	rBV	837536	689245	45.27%	2.939%
8	8.086	1016	1020	1023	rBV	1061263	878578	57.71%	3.747%
9	8.798	1138	1141	1147	rVB	17544	16759	1.10%	0.071%
10	9.157	1199	1202	1213	rBV	1438679	1324388	86.99%	5.648%
11	9.233	1213	1215	1218	rVB	24153	22092	1.45%	0.094%
12	9.498	1257	1260	1262	rBV	16217	16293	1.07%	0.069%
13	9.557	1266	1270	1278	rVB	109981	122452	8.04%	0.522%
14	9.704	1292	1295	1299	rBV	139478	128252	8.42%	0.547%
15	9.763	1301	1305	1310	rVB	48415	46783	3.07%	0.199%
16	9.839	1315	1318	1322	rVV2	1008244	900171	59.13%	3.839%
17	9.869	1322	1323	1328	rVB	35864	31007	2.04%	0.132%
18	9.998	1340	1345	1348	rBV4	12300	17950	1.18%	0.077%
19	10.045	1348	1353	1356	rVV2	21595	30931	2.03%	0.132%
20	10.086	1356	1360	1363	rVB3	17136	19409	1.27%	0.083%
21	10.263	1383	1390	1393	rBV3	65424	88917	5.84%	0.379%
22	10.292	1393	1395	1398	rVB	18361	16792	1.10%	0.072%
23	10.386	1409	1411	1418	rVB2	27282	33536	2.20%	0.143%
24	10.492	1424	1429	1434	rBV4	16800	33236	2.18%	0.142%
25	10.627	1449	1452	1462	rVB	683105	639239	41.99%	2.726%
26	10.739	1468	1471	1476	rBV3	63483	82894	5.44%	0.353%
27	10.939	1500	1505	1507	rBV3	17527	24499	1.61%	0.104%
28	11.063	1523	1526	1528	rBV3	21913	19701	1.29%	0.084%
29	11.086	1528	1530	1536	rVV	25597	26904	1.77%	0.115%
30	11.133	1536	1538	1541	rVV3	26008	24104	1.58%	0.103%
31	11.186	1542	1547	1549	rVV2	48977	52037	3.42%	0.222%
32	11.221	1551	1553	1558	rVB2	27396	31952	2.10%	0.136%
33	11.327	1567	1571	1573	rBV	889837	765075	50.25%	3.262%
34	11.351	1573	1575	1581	rVV	428364	340950	22.40%	1.454%

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 Sampling : 1
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Filtering: 5
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35	11.404	1581	1584	1587	rVV	140866	110194	7.24%	0.470%
36	11.439	1587	1590	1592	rVV2	21983	24047	1.58%	0.103%
37	11.563	1604	1611	1616	rBV3	39482	77446	5.09%	0.330%
38	11.621	1617	1621	1625	rVV4	31351	44722	2.94%	0.191%
39	11.663	1625	1628	1632	rVV2	21782	26620	1.75%	0.114%
40	11.827	1653	1656	1658	rBV	71423	68313	4.49%	0.291%
41	11.857	1658	1661	1664	rVB2	139570	144019	9.46%	0.614%
42	11.904	1666	1669	1672	rVB	50491	40478	2.66%	0.173%
43	11.939	1672	1675	1678	rBV2	123833	142811	9.38%	0.609%
44	12.015	1684	1688	1691	rBV2	45634	70920	4.66%	0.302%
45	12.063	1694	1696	1698	rVB3	25417	18919	1.24%	0.081%
46	12.127	1704	1707	1709	rVB	61890	46965	3.08%	0.200%
47	12.151	1709	1711	1714	rBV	35032	28799	1.89%	0.123%
48	12.274	1727	1732	1735	rBV3	40838	52545	3.45%	0.224%
49	12.304	1735	1737	1739	rVV	39491	31873	2.09%	0.136%
50	12.327	1739	1741	1744	rVB2	30306	30729	2.02%	0.131%
51	12.380	1746	1750	1753	rBV	85925	110137	7.23%	0.470%
52	12.415	1753	1756	1758	rVV2	59881	72199	4.74%	0.308%
53	12.439	1758	1760	1762	rVV	29972	25361	1.67%	0.108%
54	12.468	1762	1765	1769	rVB2	60860	72868	4.79%	0.311%
55	12.545	1774	1778	1781	rBV	1025479	880242	57.82%	3.754%
56	12.586	1783	1785	1787	rBV	22325	20893	1.37%	0.089%
57	12.639	1791	1794	1796	rBV	107232	91205	5.99%	0.389%
58	12.774	1811	1817	1822	rBV	989780	1028560	67.56%	4.386%
59	12.827	1822	1826	1830	rVB2	51601	70276	4.62%	0.300%
60	12.915	1837	1841	1848	rVB	1139552	1068945	70.21%	4.558%
61	12.986	1849	1853	1858	rBV2	84082	146045	9.59%	0.623%
62	13.074	1865	1868	1870	rBV2	69154	87675	5.76%	0.374%
63	13.098	1870	1872	1876	rVB	167208	148401	9.75%	0.633%
64	13.139	1877	1879	1881	rBV3	33846	32978	2.17%	0.141%
65	13.168	1881	1884	1886	rVB	99929	80690	5.30%	0.344%
66	13.204	1886	1890	1893	rBV2	140920	160206	10.52%	0.683%
67	13.262	1898	1900	1903	rBV3	32816	44241	2.91%	0.189%
68	13.298	1904	1906	1909	rVB	71575	52094	3.42%	0.222%
69	13.327	1909	1911	1914	rBV	76330	70538	4.63%	0.301%
70	13.610	1957	1959	1964	rVB	105017	101263	6.65%	0.432%
71	13.721	1975	1978	1980	rBV2	89759	78298	5.14%	0.334%

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72	13.751	1980	1983	1985	rVV	91176	87890	5.77%	0.375%
73	13.774	1985	1987	1991	rVV2	89401	127265	8.36%	0.543%
74	13.815	1991	1994	2000	rVB3	142892	177854	11.68%	0.758%
75	13.974	2016	2021	2024	rBV2	1038940	1522398	100.00%	6.492%
76	13.998	2024	2025	2031	rVB	560492	489575	32.16%	2.088%
77	14.080	2037	2039	2041	rBV	68538	50439	3.31%	0.215%
78	14.362	2085	2087	2090	rVB	130780	106626	7.00%	0.455%
79	15.015	2194	2198	2201	rBV	656540	968595	63.62%	4.130%
80	15.121	2213	2216	2219	rVB	162677	164925	10.83%	0.703%
81	15.315	2246	2249	2255	rVB	377098	505563	33.21%	2.156%
82	15.380	2256	2260	2265	rBV	610282	707156	46.45%	3.016%
83	15.445	2266	2271	2274	rBV	595457	777839	51.09%	3.317%
84	16.892	2512	2517	2525	rVB2	264573	485775	31.91%	2.071%
85	17.333	2587	2592	2597	rVB	158451	297212	19.52%	1.267%

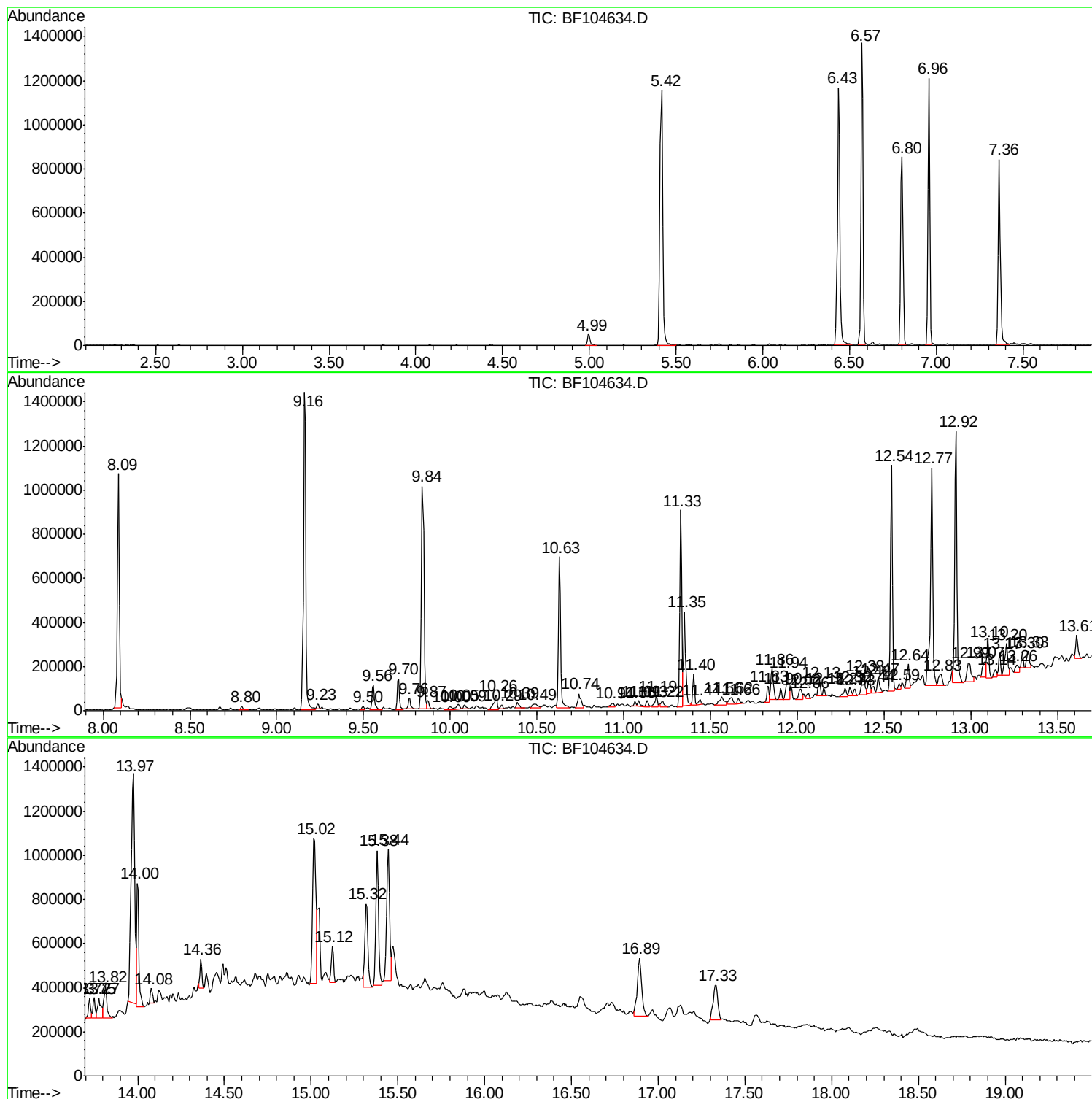
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Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Instrument :
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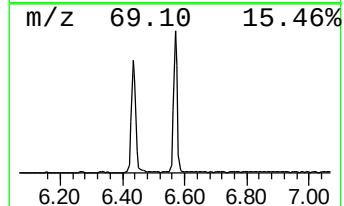
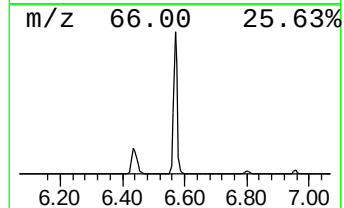
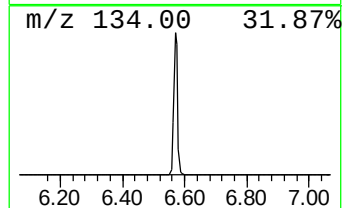
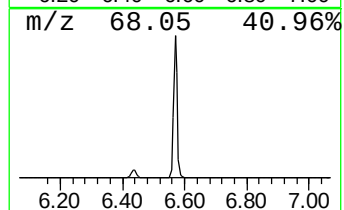
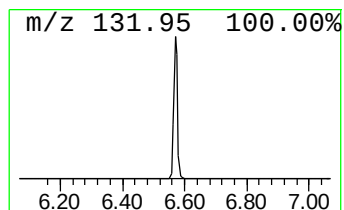
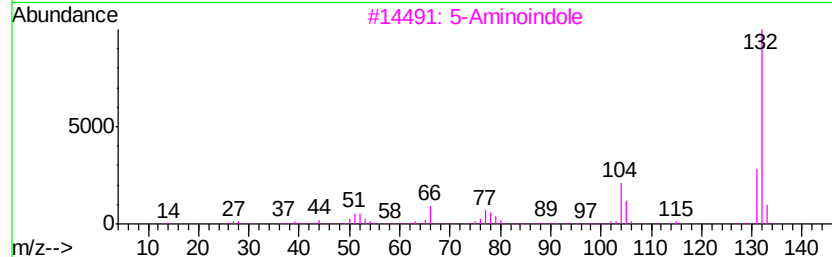
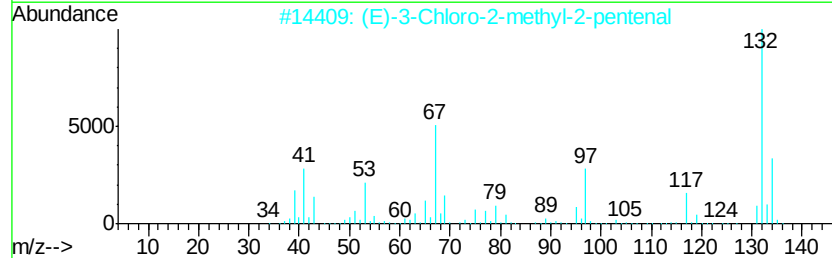
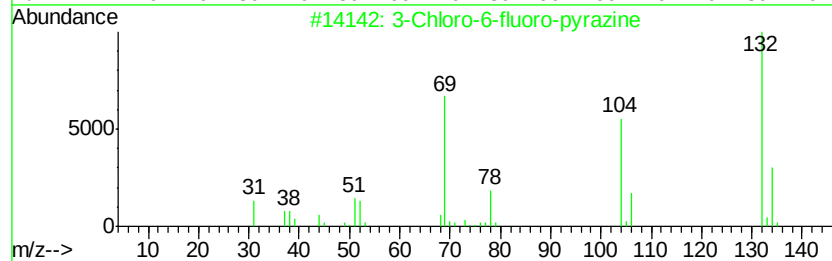
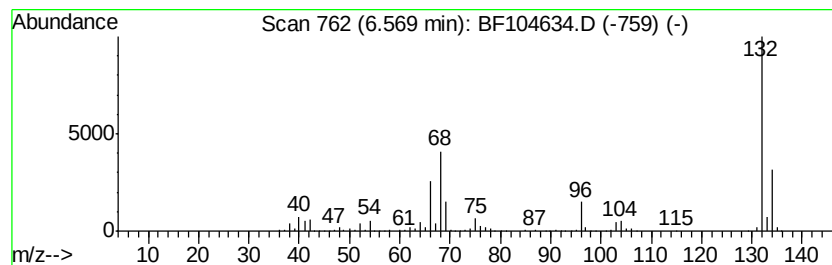
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.57 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	32.50 ng	1172400	1,4-Dichlorobenzene-d4	6.80

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	12
3		5-Aminoindole	132	C8H8N2	005192-03-0	12
4		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9



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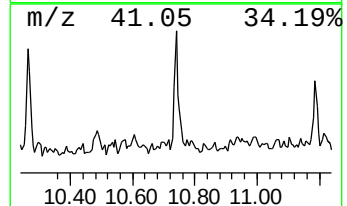
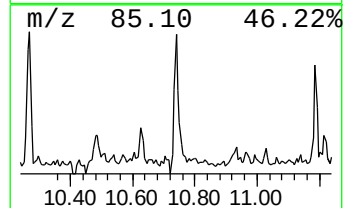
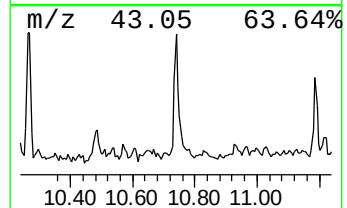
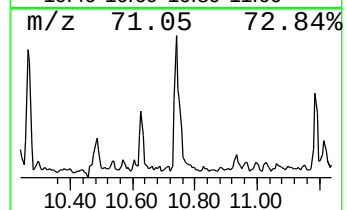
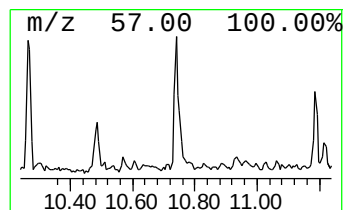
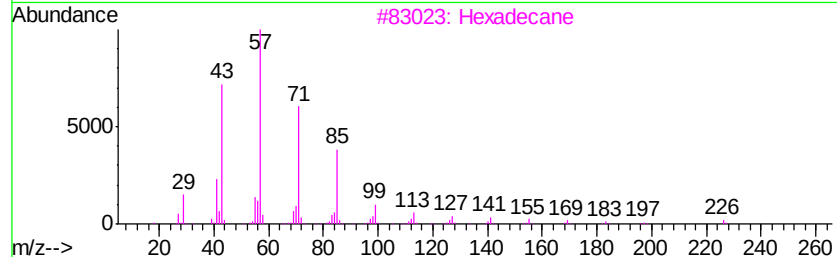
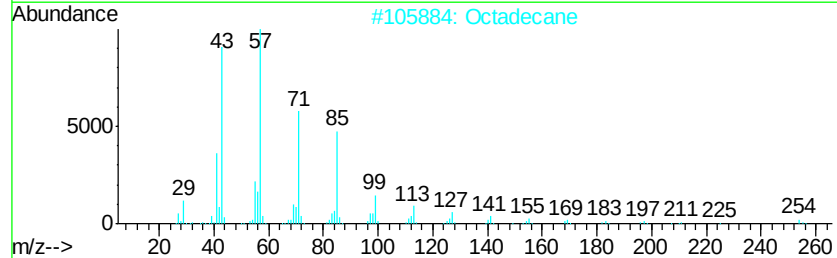
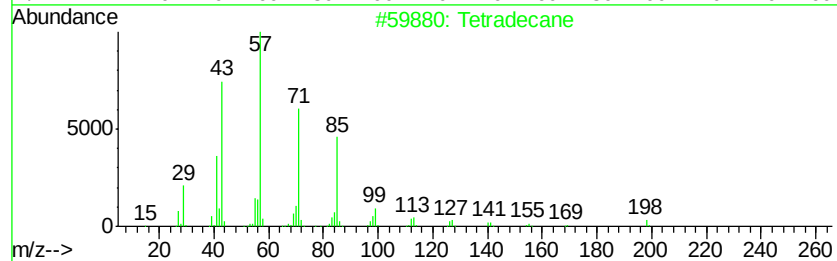
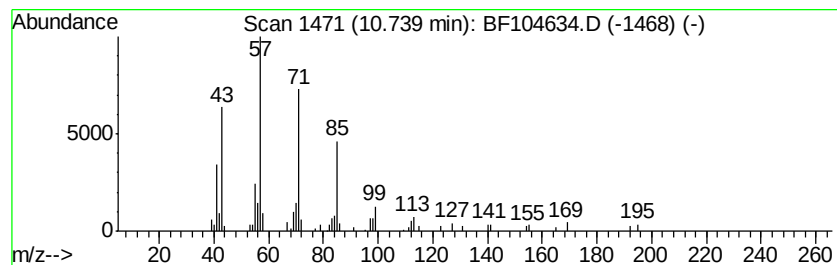
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Tetradecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.74	2.17 ng	82894	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	91
2		Octadecane	254	C18H38	000593-45-3	90
3		Hexadecane	226	C16H34	000544-76-3	90
4		Eicosane	282	C20H42	000112-95-8	86
5		Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86



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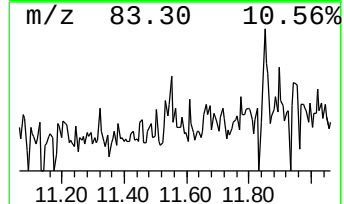
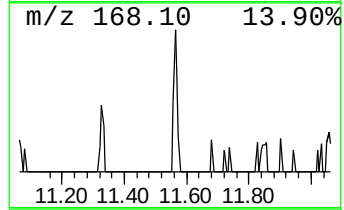
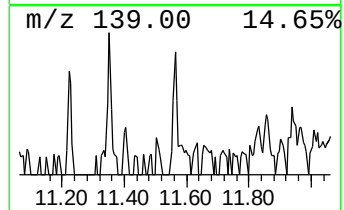
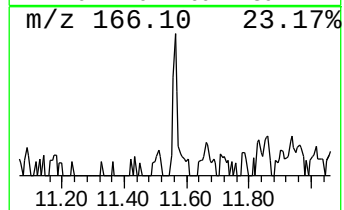
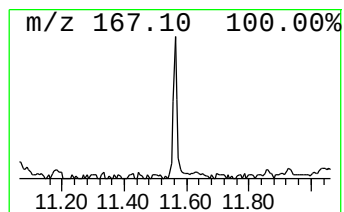
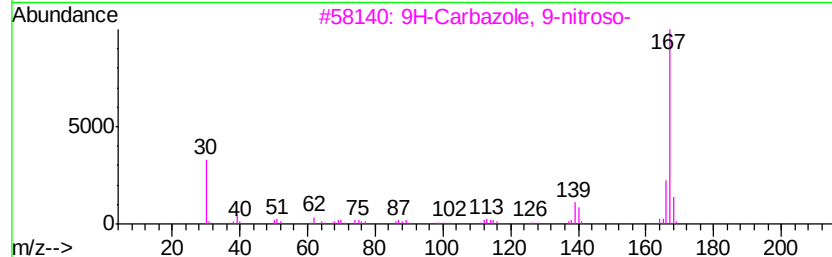
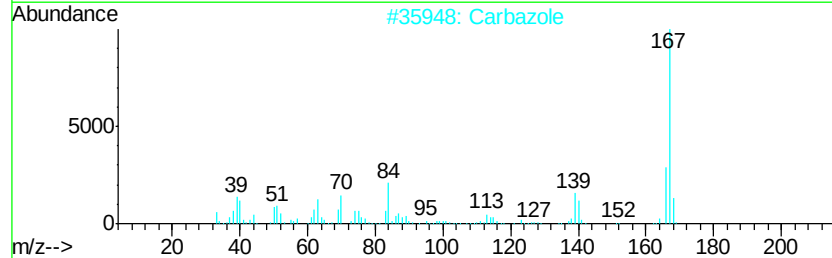
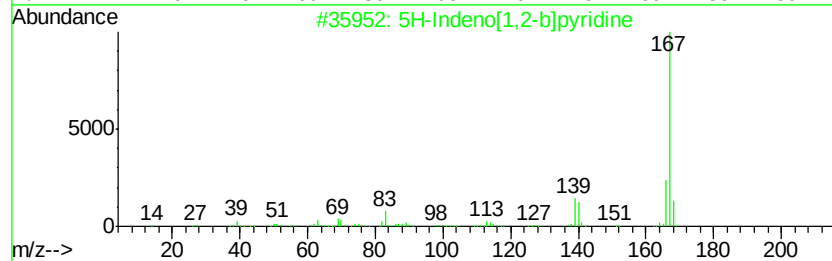
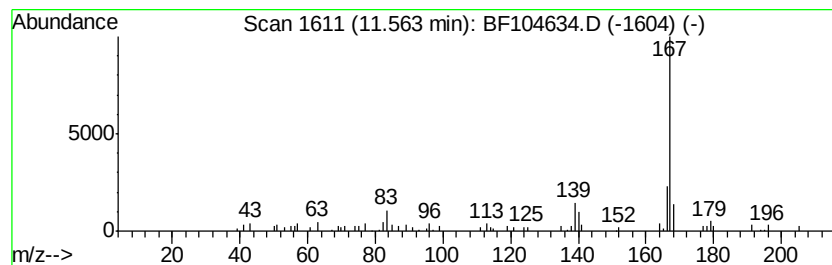
Instrument :
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 5H-Indeno[1,2-b]pyridine Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.56	2.02 ng	77446	Phenanthrene-d10		11.33
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	87
2	Carbazole	167	C12H9N	000086-74-8	83
3	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	78
4	D-Galactitol, 2-(acetylmethylami...	363	C16H29N08	074410-42-7	72
5	1H-Benzotriazole, 1-phenyl-	195	C12H9N3	000883-39-6	72



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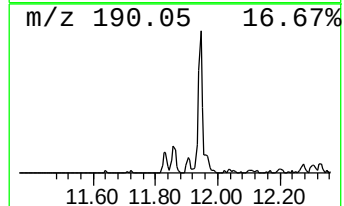
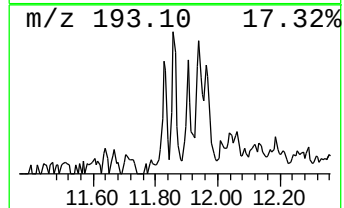
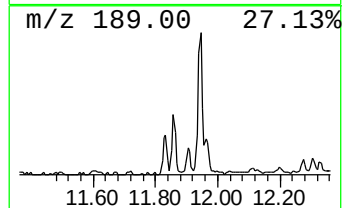
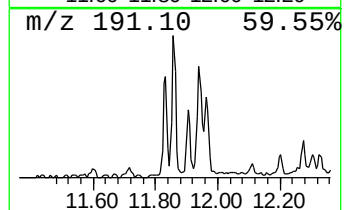
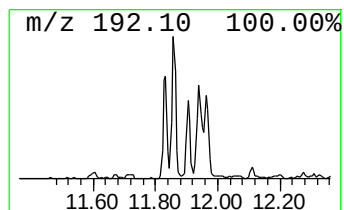
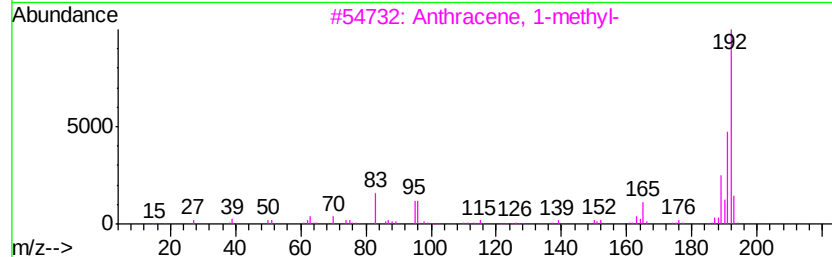
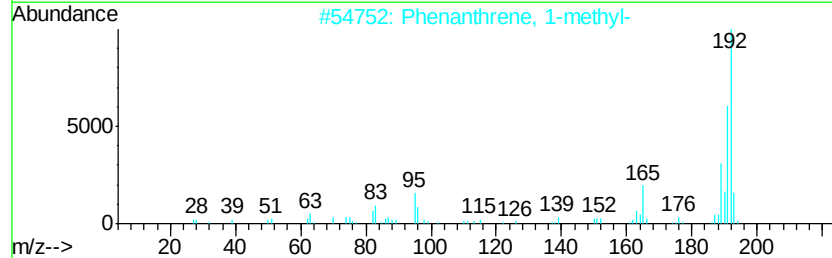
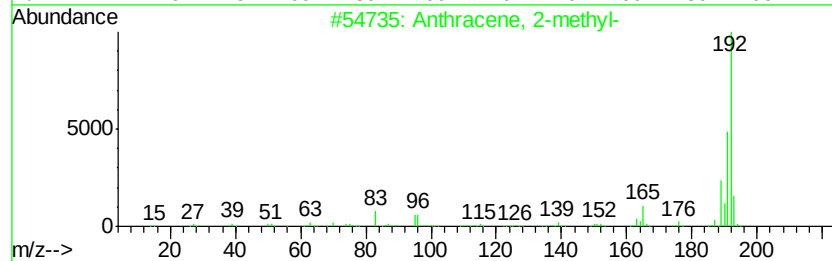
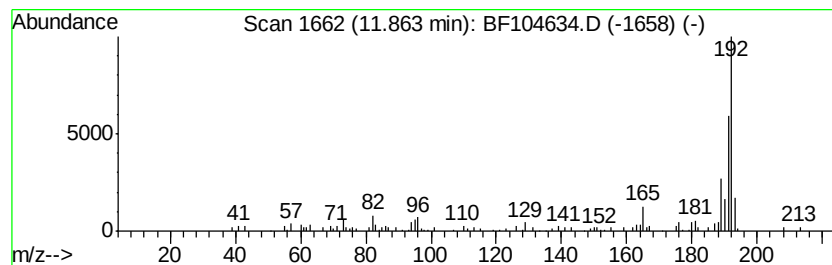
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.86	3.76 ng	144019	Phenanthrene-d10		11.33
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	1H-Cyclopropa[1,1]phenanthrene,1a,...	192	C15H12	000949-41-7	90
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	89



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
Data File : BF104634.D
Acq On : 19 Apr 2018 18:05
Operator : JU/SJ
Sample : J2439-01 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

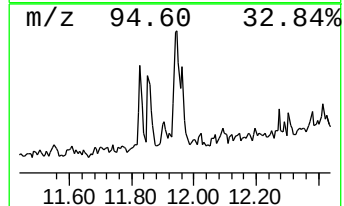
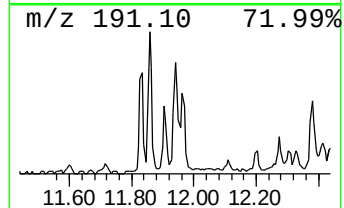
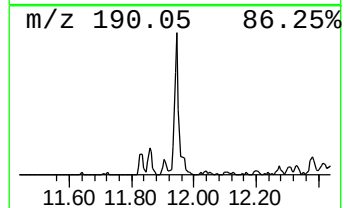
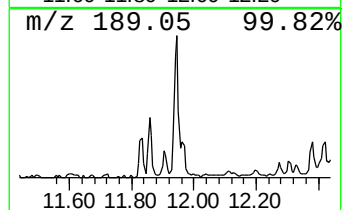
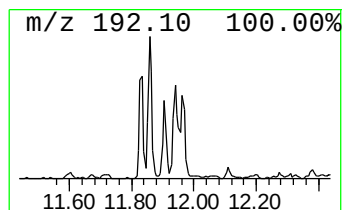
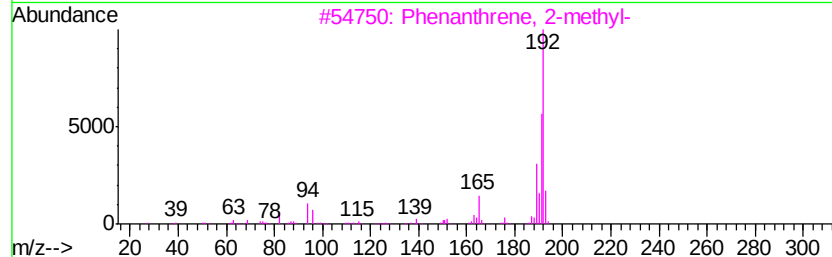
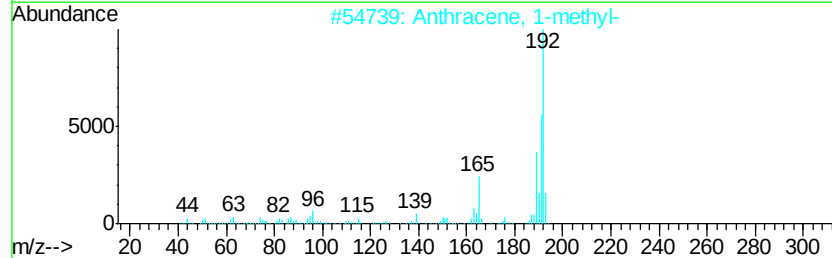
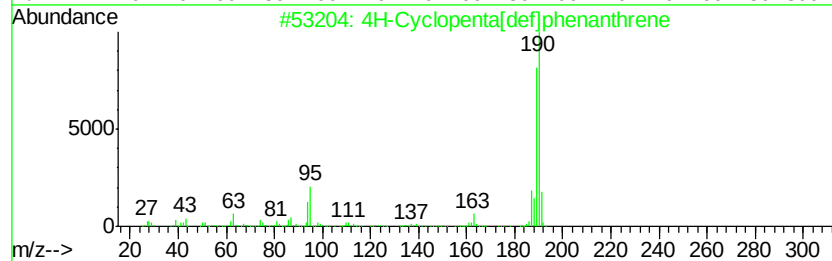
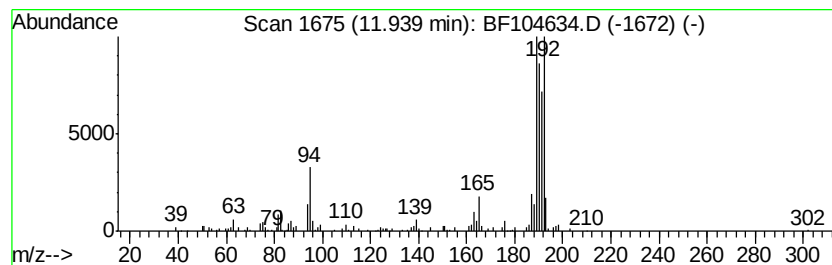
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.94	3.73 ng	142811	Phenanthrene-d10	11.33	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	49
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	46
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
5	Naphtho[1,2-b]norbornadiene	192	C15H12	1000210-14-8	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
Data File : BF104634.D
Acq On : 19 Apr 2018 18:05
Operator : JU/SJ
Sample : J2439-01 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

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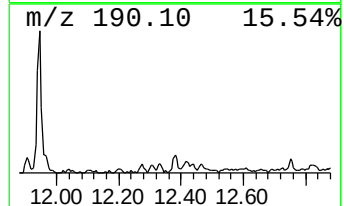
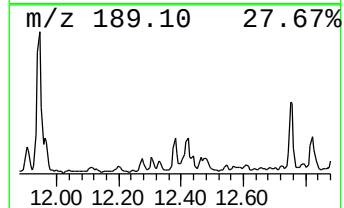
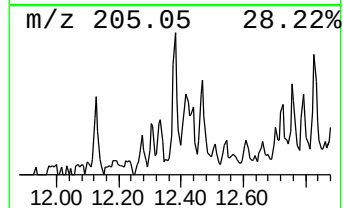
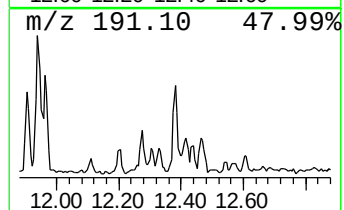
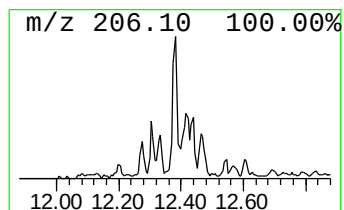
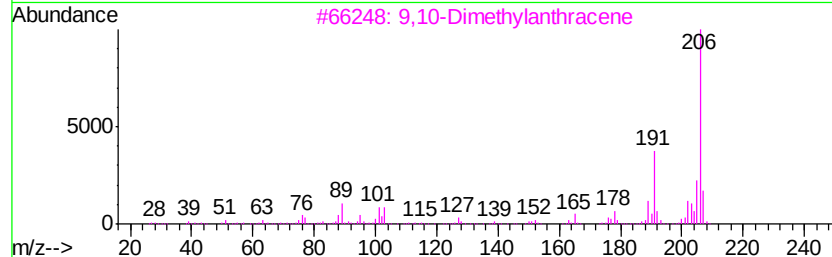
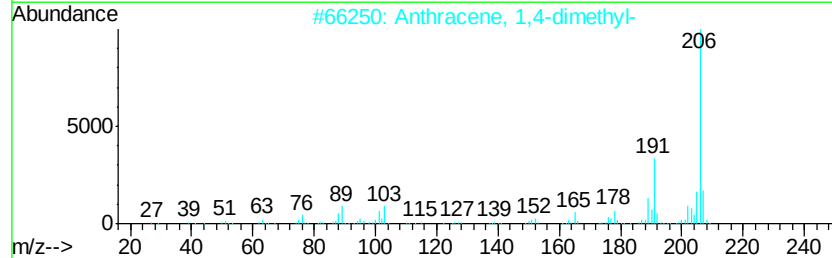
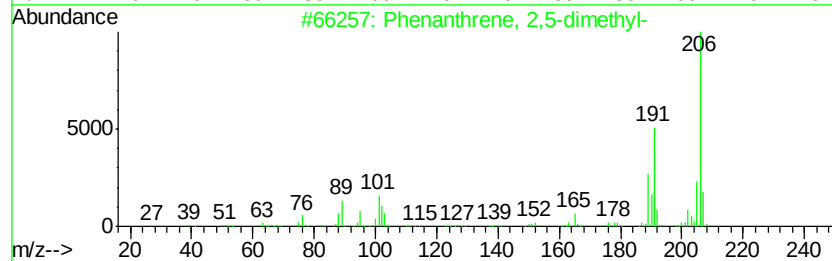
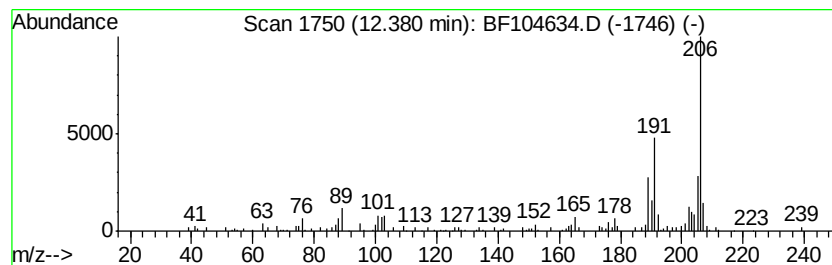
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	2.88 ng	110137	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2		Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	94
3		9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5		di-p-Tolylacetylene	206	C16H14	002789-88-0	89



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
Data File : BF104634.D
Acq On : 19 Apr 2018 18:05
Operator : JU/SJ
Sample : J2439-01 2X
Misc :
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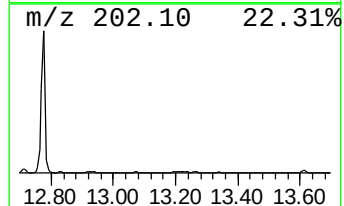
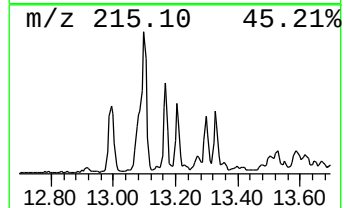
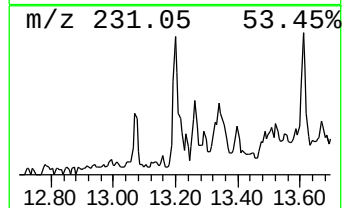
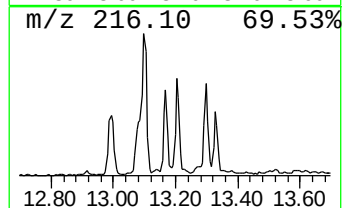
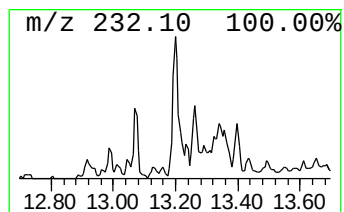
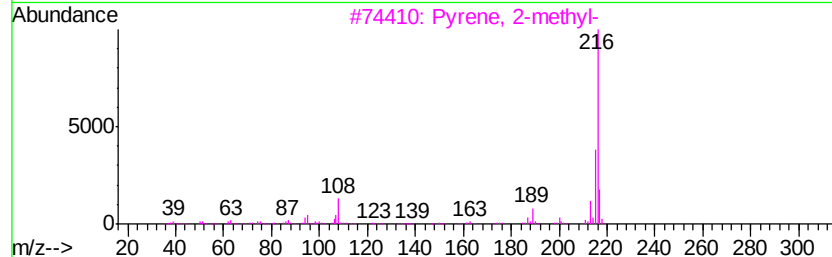
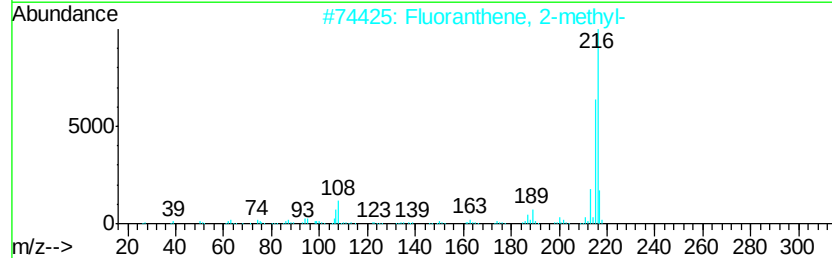
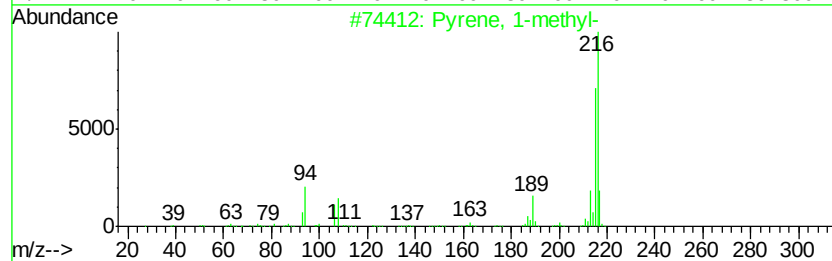
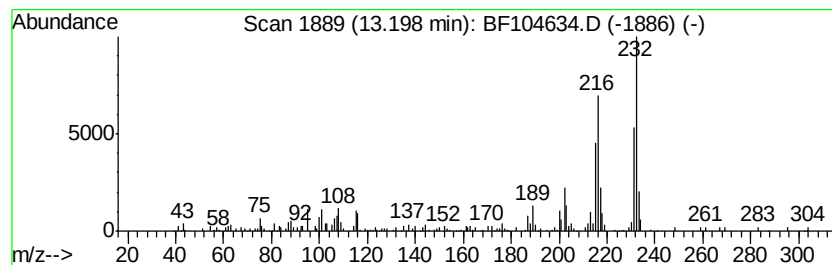
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.20	2.10 ng	160206	Chrysene-d12	13.97		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3		Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
4		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	60
5		Pyrene, 4-methyl-	216	C17H12	003353-12-6	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041918\
Data File : BF104634.D
Acq On : 19 Apr 2018 18:05
Operator : JU/SJ
Sample : J2439-01 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

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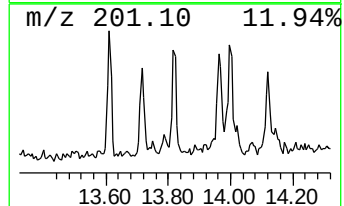
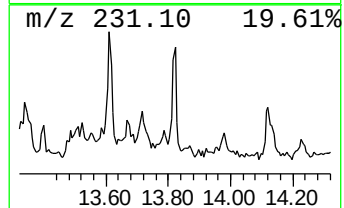
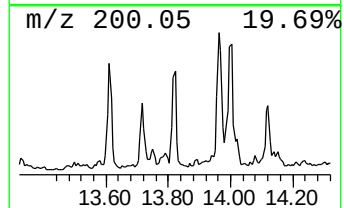
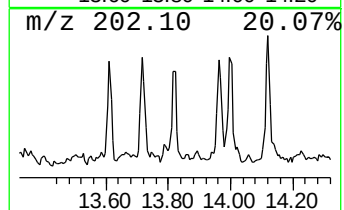
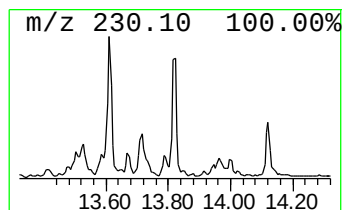
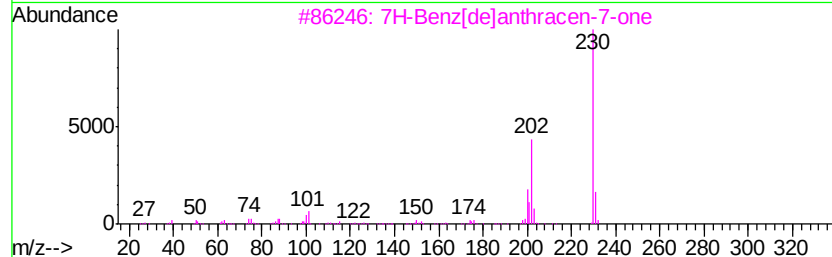
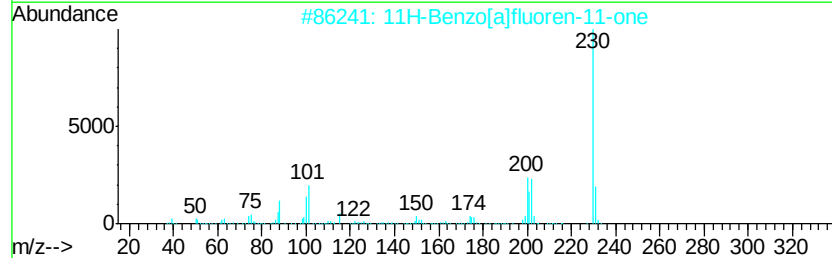
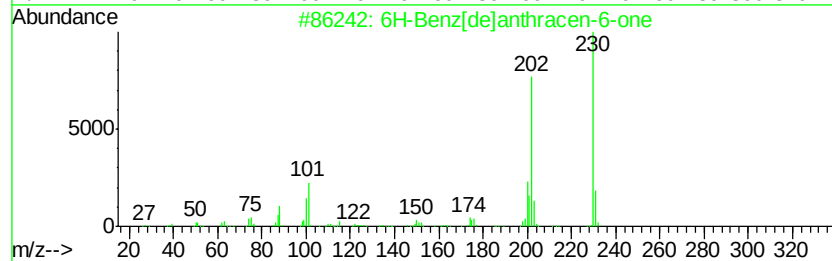
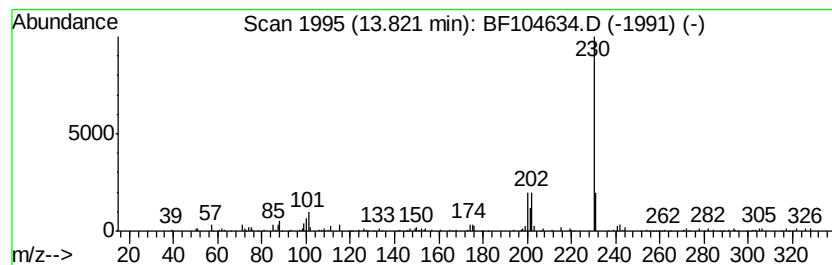
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 6H-Benz[de]anthracen-6-one Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	2.34 ng	177854	Chrysene-d12	13.97

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	89
2		11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	83
3		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	70
4		1-Pvrenecarboxaldehyde	230	C17H10O	003029-19-4	64
5		5,6-Dihydrochrysene	230	C18H14	002091-92-1	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
Data File : BF104634.D
Acq On : 19 Apr 2018 18:05
Operator : JU/SJ
Sample : J2439-01 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

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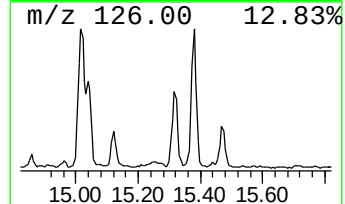
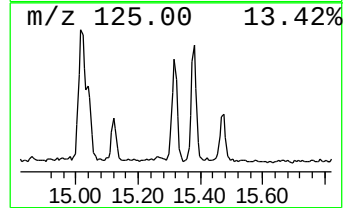
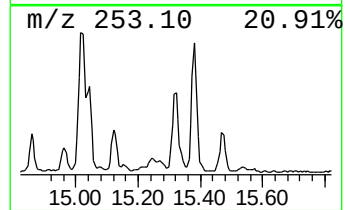
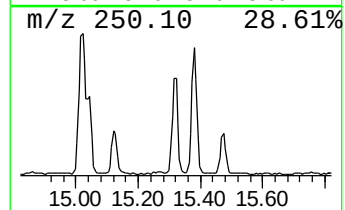
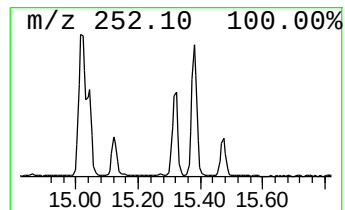
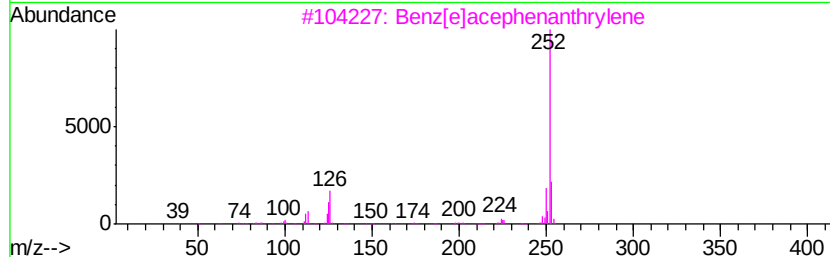
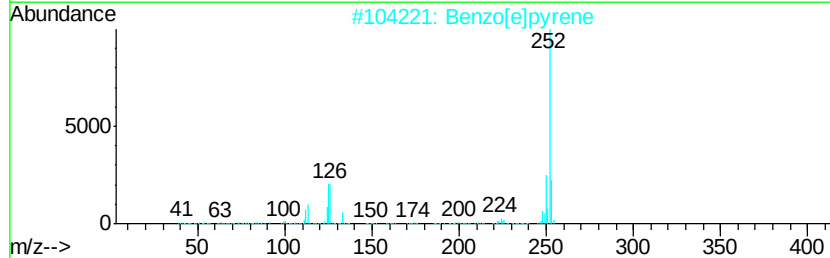
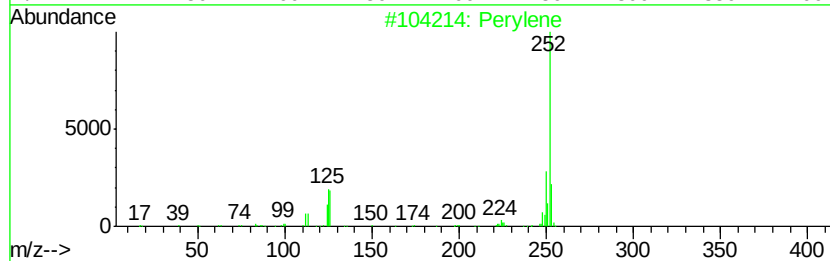
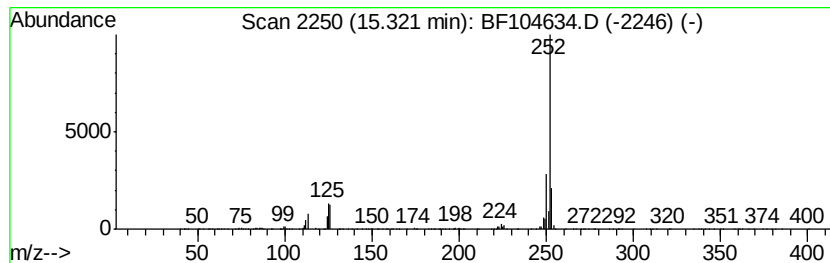
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	13.00 ng	505563	Perylene-d12	15.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Perylene	252	C20H12	000198-55-0	99
2		Benzo[el]pyrene	252	C20H12	000192-97-2	98
3		Benzo[el]acephenanthrylene	252	C20H12	000205-99-2	93
4		Benzo[al]pyrene	252	C20H12	000050-32-8	93
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041918\
Data File : BF104634.D
Acq On : 19 Apr 2018 18:05
Operator : JU/SJ
Sample : J2439-01 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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Tetradecane	10.74	2.2	ng	82894	4	11.33	765075	20.0
5H-Indeno[1,2-b]p...	11.56	2.0	ng	77446	4	11.33	765075	20.0
Anthracene, 2-met...	11.86	3.8	ng	144019	4	11.33	765075	20.0
4H-Cyclopenta[def...	11.94	3.7	ng	142811	4	11.33	765075	20.0
Phenanthrene, 2,5...	12.38	2.9	ng	110137	4	11.33	765075	20.0
Pyrene, 1-methyl-	13.20	2.1	ng	160206	5	13.97	1522400	20.0
6H-Benz[de]anthra...	13.82	2.3	ng	177854	5	13.97	1522400	20.0
Perylene	15.32	13.0	ng	505563	6	15.44	777839	20.0