

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012818\
 Data File : BF102566.D
 Acq On : 28 Jan 2018 19:16
 Operator : SJ/JU
 Sample : J1290-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-48-9.5-10.0

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-BF012218.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	4.916	477	481	490	rVB	72400	111293	2.88%	0.208%
2	5.328	546	551	565	rBV	3443813	3792747	98.29%	7.073%
3	6.363	722	727	735	rBV	3427589	3858725	100.00%	7.196%
4	6.487	743	748	751	rBV	3915355	3737489	96.86%	6.970%
5	6.710	783	786	793	rBV	1143213	930871	24.12%	1.736%
6	6.869	809	813	816	rBV	2903882	2600791	67.40%	4.850%
7	7.281	878	883	886	rBV	2379375	2357175	61.09%	4.396%
8	7.457	909	913	915	rBV	59382	48166	1.25%	0.090%
9	7.992	997	1004	1007	rBV	1409020	1311253	33.98%	2.445%
10	8.016	1007	1008	1016	rVB	313951	206199	5.34%	0.385%
11	8.704	1123	1125	1133	rBV	107053	110713	2.87%	0.206%
12	8.804	1138	1142	1150	rVB	144416	142773	3.70%	0.266%
13	8.986	1169	1173	1175	rBV	424056	340857	8.83%	0.636%
14	9.069	1183	1187	1190	rBV	3647459	3119129	80.83%	5.817%
15	9.145	1197	1200	1202	rBV	84805	66647	1.73%	0.124%
16	9.169	1202	1204	1210	rVB3	36553	44630	1.16%	0.083%
17	9.263	1218	1220	1226	rVB4	36550	52340	1.36%	0.098%
18	9.339	1228	1233	1237	rBV2	73423	93902	2.43%	0.175%
19	9.404	1241	1244	1247	rBV	131479	159614	4.14%	0.298%
20	9.463	1251	1254	1257	rVV	432417	360759	9.35%	0.673%
21	9.522	1261	1264	1273	rVB2	102840	135515	3.51%	0.253%
22	9.604	1275	1278	1283	rBV	166995	151460	3.93%	0.282%
23	9.675	1287	1290	1294	rBV	196694	154998	4.02%	0.289%
24	9.745	1294	1302	1305	rBV2	1512032	1348225	34.94%	2.514%
25	9.781	1305	1308	1312	rVB	1089615	938754	24.33%	1.751%
26	9.851	1317	1320	1325	rVB2	47199	55972	1.45%	0.104%
27	9.904	1325	1329	1332	rBV3	99217	121456	3.15%	0.227%
28	9.951	1332	1337	1341	rVV	419563	410858	10.65%	0.766%
29	9.992	1341	1344	1347	rVB4	85840	87556	2.27%	0.163%
30	10.063	1353	1356	1359	rBV3	75943	90043	2.33%	0.168%
31	10.151	1367	1371	1372	rBV2	75144	93546	2.42%	0.174%
32	10.175	1372	1375	1377	rVB	227594	205805	5.33%	0.384%
33	10.292	1392	1395	1400	rVB	914507	782611	20.28%	1.460%
34	10.339	1400	1403	1404	rBV2	60887	48373	1.25%	0.090%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.381	1408	1410	1412	rVV2	102408	85374	2.21%	0.159%
36	10.451	1419	1422	1425	rVB	202438	174268	4.52%	0.325%
37	10.539	1433	1437	1441	rBV	2049110	1997684	51.77%	3.726%
38	10.645	1452	1455	1464	rVB2	202944	277737	7.20%	0.518%
39	10.839	1484	1488	1491	rBV2	138920	159647	4.14%	0.298%
40	10.869	1491	1493	1496	rVB	99212	76735	1.99%	0.143%
41	10.922	1500	1502	1505	rVB	84979	79225	2.05%	0.148%
42	10.969	1505	1510	1512	rBV2	97056	136229	3.53%	0.254%
43	10.992	1512	1514	1516	rVV	76262	65342	1.69%	0.122%
44	11.039	1519	1522	1525	rBV	99698	89213	2.31%	0.166%
45	11.092	1526	1531	1534	rBV2	151864	208573	5.41%	0.389%
46	11.128	1534	1537	1543	rVB	291602	280883	7.28%	0.524%
47	11.233	1551	1555	1557	rBV	1136712	1084415	28.10%	2.022%
48	11.263	1557	1560	1563	rVV	2347962	2167483	56.17%	4.042%
49	11.310	1563	1568	1571	rVV	837848	740198	19.18%	1.380%
50	11.345	1571	1574	1577	rVV	82410	85836	2.22%	0.160%
51	11.469	1590	1595	1602	rBV2	265080	399446	10.35%	0.745%
52	11.527	1602	1605	1607	rVV2	97465	102896	2.67%	0.192%
53	11.563	1609	1611	1616	rVV3	59952	97109	2.52%	0.181%
54	11.733	1637	1640	1643	rBV	311211	297563	7.71%	0.555%
55	11.763	1643	1645	1648	rVB	377766	290711	7.53%	0.542%
56	11.810	1651	1653	1656	rBV	168948	137656	3.57%	0.257%
57	11.845	1656	1659	1662	rBV	639631	693465	17.97%	1.293%
58	12.033	1688	1691	1693	rVB	258006	221514	5.74%	0.413%
59	12.286	1731	1734	1737	rBV	152930	159651	4.14%	0.298%
60	12.380	1746	1750	1753	rBV3	125918	168213	4.36%	0.314%
61	12.457	1758	1763	1765	rBV	2844528	2743959	71.11%	5.117%
62	12.480	1765	1767	1771	rVB2	233688	224557	5.82%	0.419%
63	12.545	1776	1778	1781	rVB	78639	64967	1.68%	0.121%
64	12.598	1784	1787	1789	rBV2	122797	120527	3.12%	0.225%
65	12.680	1795	1801	1804	rBV	2428925	2777903	71.99%	5.181%
66	12.727	1807	1809	1813	rVB2	127791	139736	3.62%	0.261%
67	12.816	1818	1824	1833	rVV	1894362	2205382	57.15%	4.113%
68	12.898	1834	1838	1841	rVV2	122034	195109	5.06%	0.364%
69	13.004	1849	1856	1859	rBV	366254	586416	15.20%	1.094%
70	13.069	1865	1867	1870	rVB	258207	199108	5.16%	0.371%
71	13.110	1870	1874	1881	rBV3	231413	365593	9.47%	0.682%

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Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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72	13.198	1887	1889	1892	rBV	136732	129083	3.35%	0.241%
73	13.233	1892	1895	1897	rBV	144997	154107	3.99%	0.287%
74	13.516	1941	1943	1946	rBV	162701	136324	3.53%	0.254%
75	13.651	1964	1966	1968	rVB	174199	122399	3.17%	0.228%
76	13.674	1968	1970	1971	rBV	131176	103654	2.69%	0.193%
77	13.869	2000	2003	2007	rBV2	1101122	1687555	43.73%	3.147%
78	13.904	2007	2009	2012	rVB	926104	683771	17.72%	1.275%
79	14.904	2176	2179	2182	rBV	610383	763423	19.78%	1.424%
80	15.192	2225	2228	2234	rVB	420754	487919	12.64%	0.910%
81	15.257	2235	2239	2244	rVB	593453	778292	20.17%	1.451%
82	15.315	2245	2249	2252	rBV	501442	602537	15.61%	1.124%

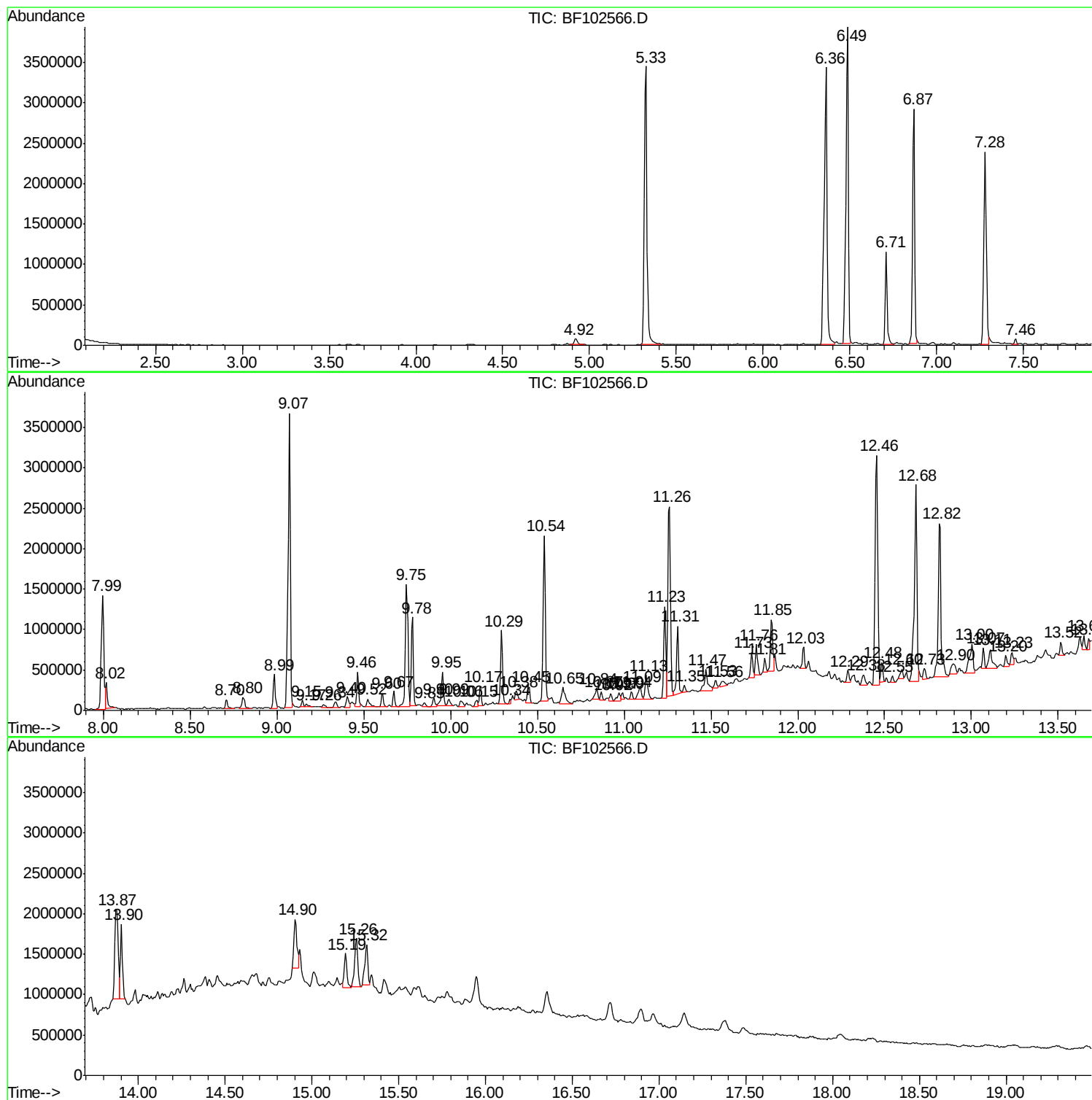
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Instrument :
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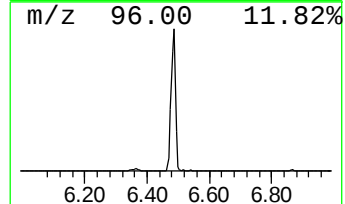
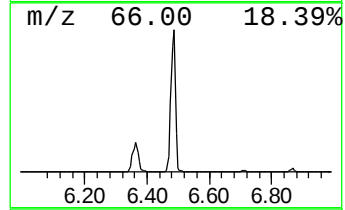
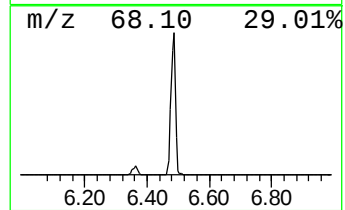
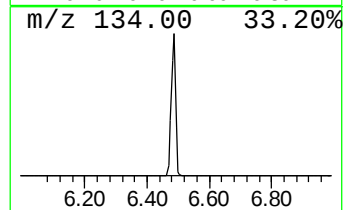
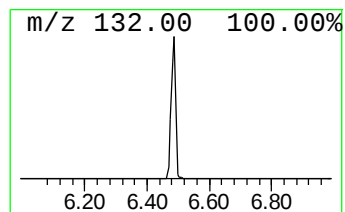
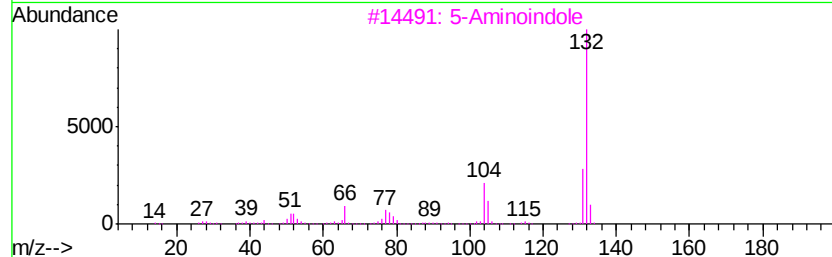
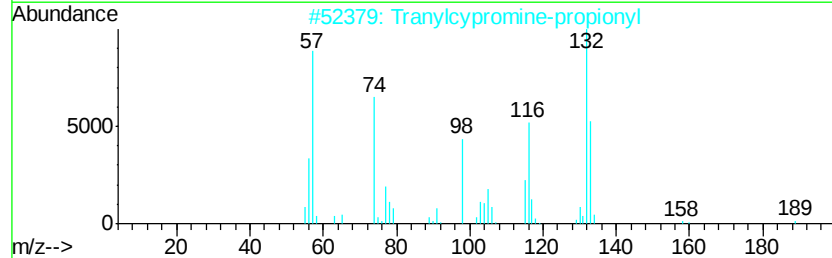
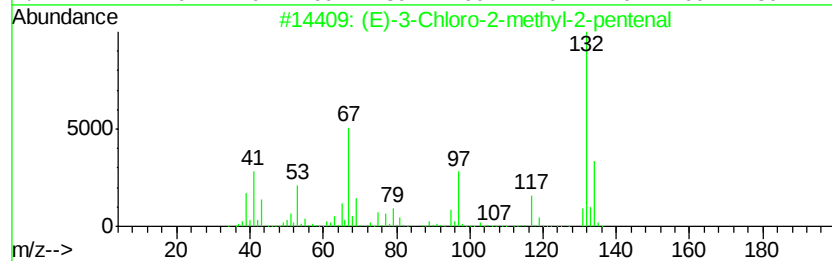
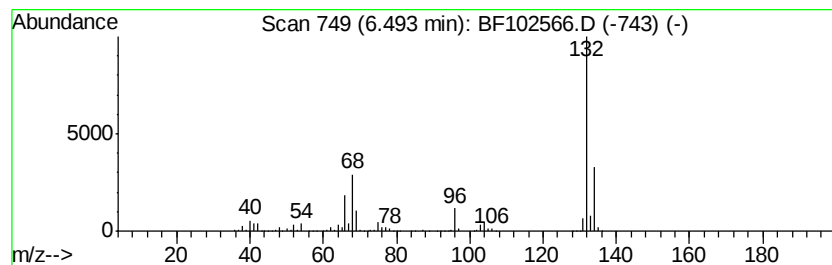
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.49 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.49	80.30 ng	3737490	1,4-Dichlorobenzene-d4	6.71

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17	
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12	
3	5-Aminoindole	132	C8H8N2	005192-03-0	12	
4	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9	
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9	



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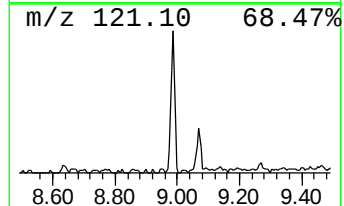
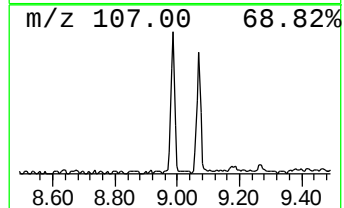
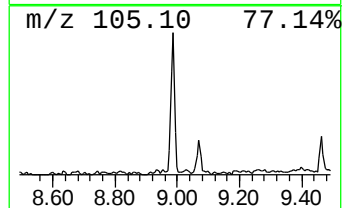
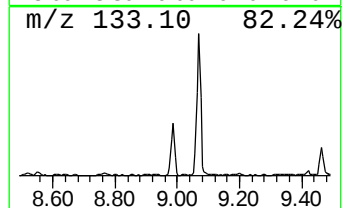
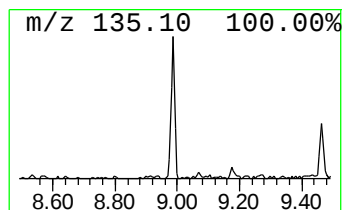
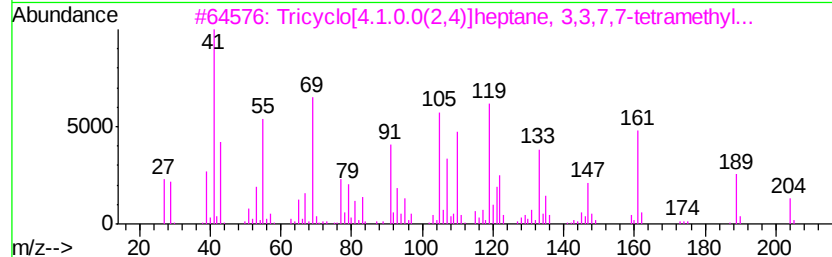
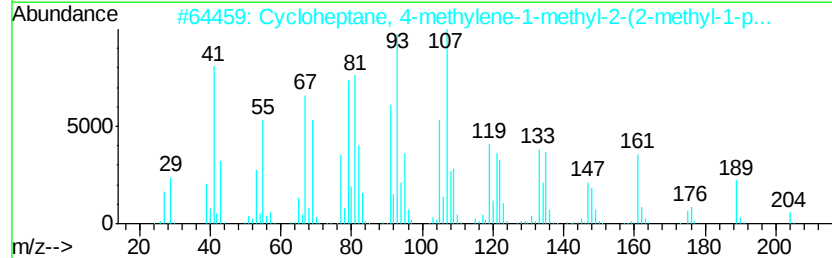
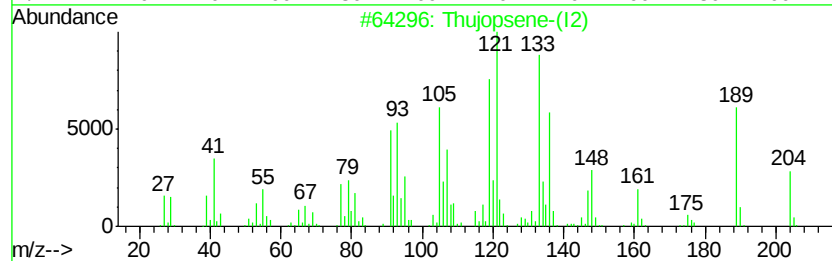
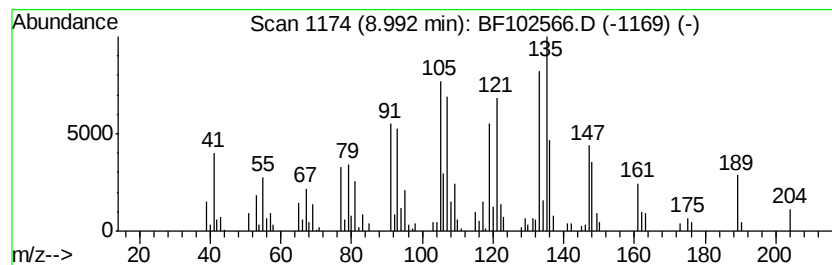
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Thujopsene-(I2) Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.99	5.06 ng	340857	Acenaphthene-d10	9.75
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Thujopsene-(I2)	204 C15H24	1000152-20-4 87
2		Cycloheptane, 4-methylene-1-meth...	204 C15H24	1000159-38-5 50
3		Tricyclo[4.1.0.0(2,4)]heptane, 3...	204 C15H24	067843-59-8 49
4		cis-(-)-2,4a,5,6,9a-Hexahydro-3,...	204 C15H24	1000104-20-1 45
5		Bicyclo[2.2.1]heptane, 2-cyclopr...	176 C13H20	1000159-45-7 42



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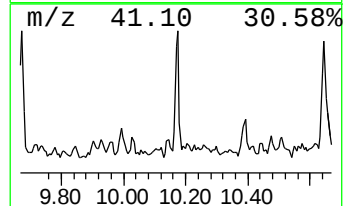
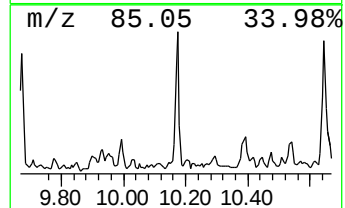
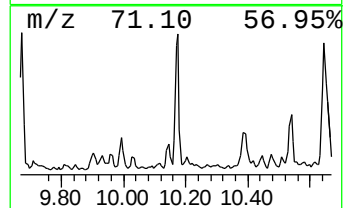
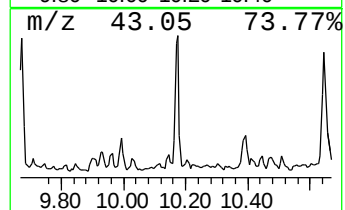
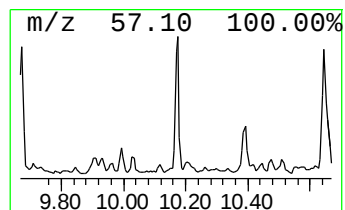
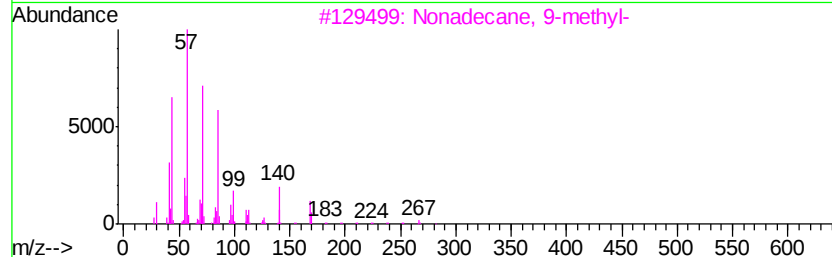
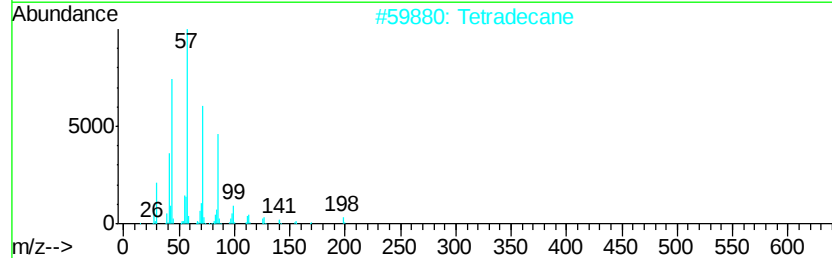
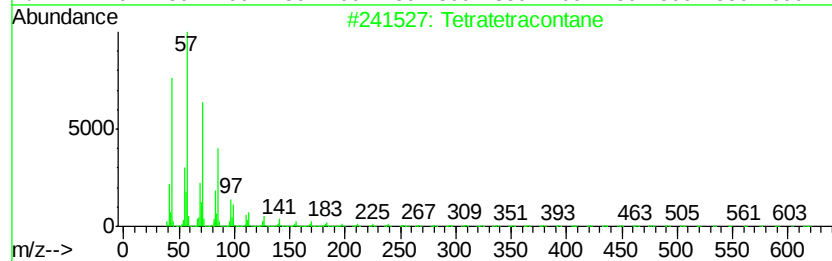
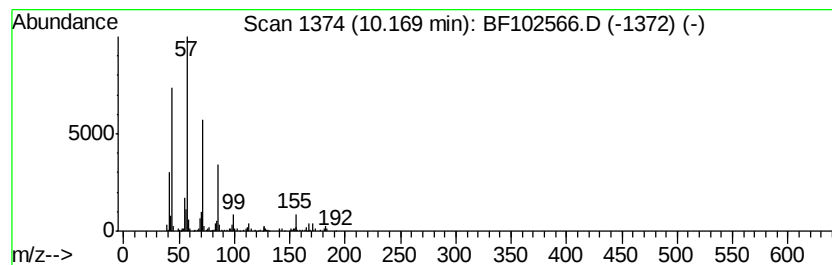
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Tetratetracontane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.17	3.05 ng	205805	Acenaphthene-d10	9.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetratetracontane	619	C44H90	007098-22-8	78
2		Tetradecane	198	C14H30	000629-59-4	72
3		Nonadecane, 9-methyl-	282	C20H42	013287-24-6	72
4		Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	72
5		Tridecane	184	C13H28	000629-50-5	64



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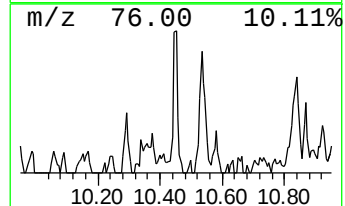
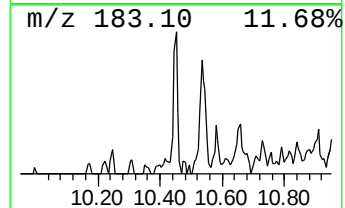
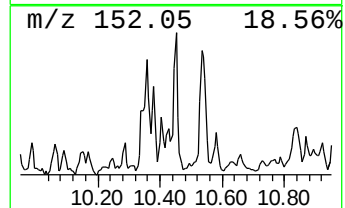
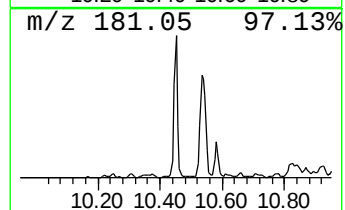
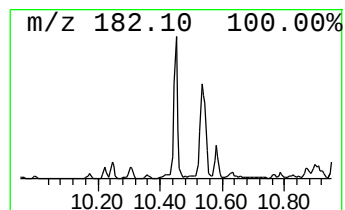
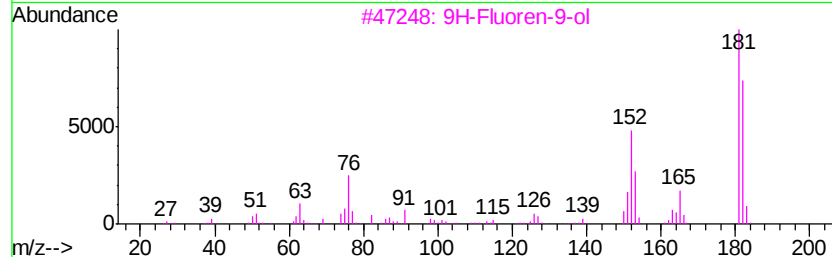
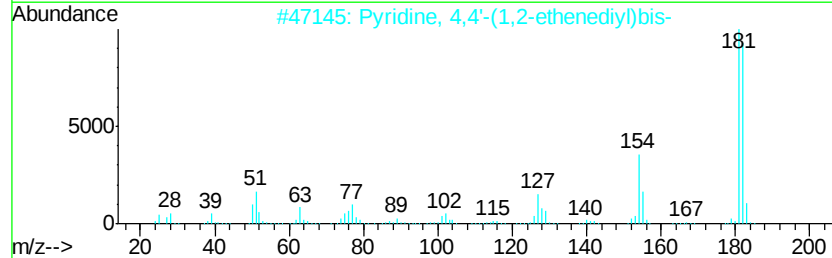
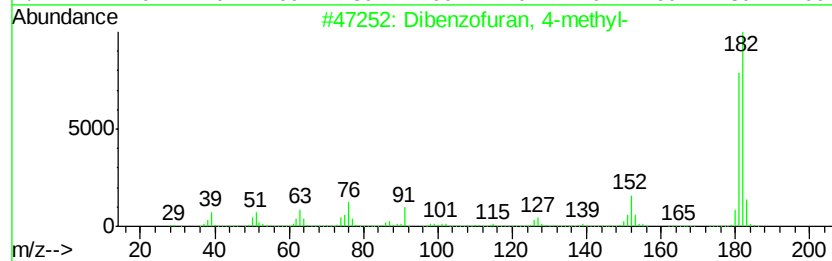
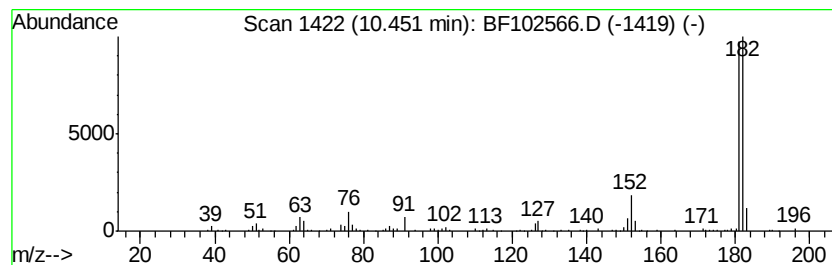
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Dibenzofuran, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.45	2.59 ng	174268	Acenaphthene-d10	9.75

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2		Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	78
3		9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4		9H-Xanthene	182	C13H10O	000092-83-1	60
5		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012818\
Data File : BF102566.D
Acq On : 28 Jan 2018 19:16
Operator : SJ/JU
Sample : J1290-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-48-9.5-10.0

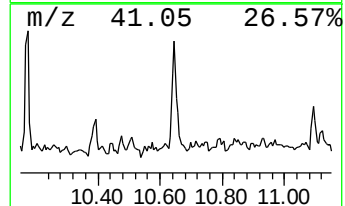
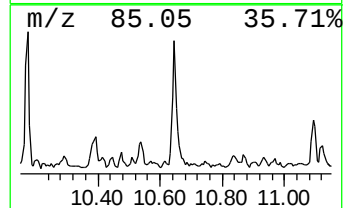
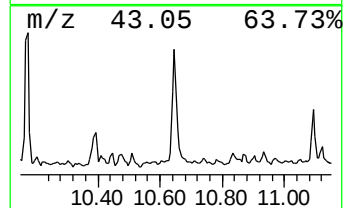
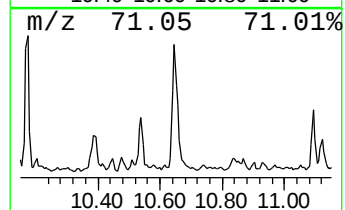
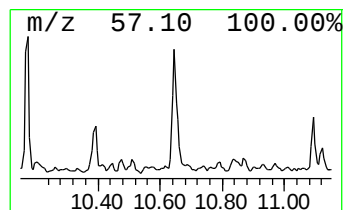
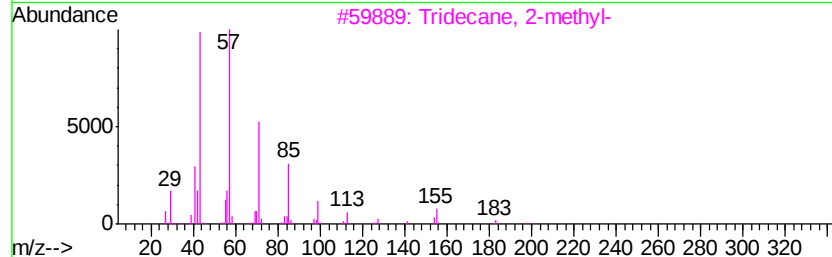
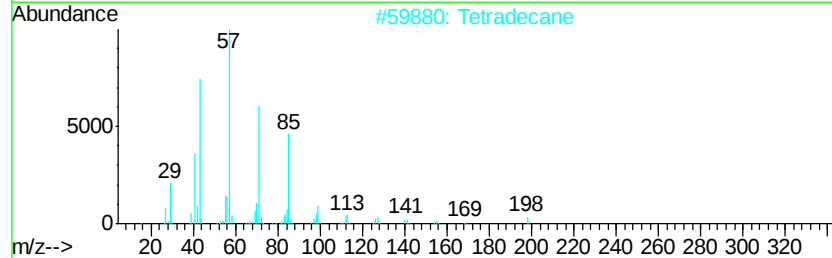
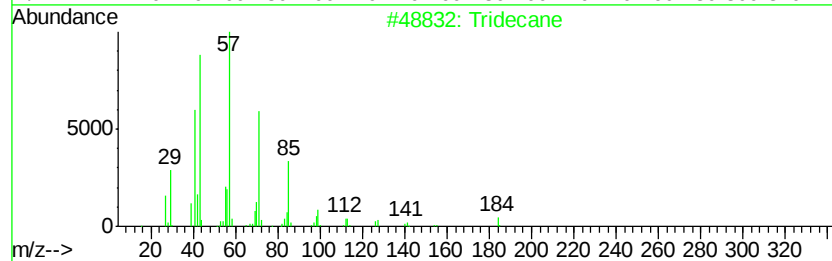
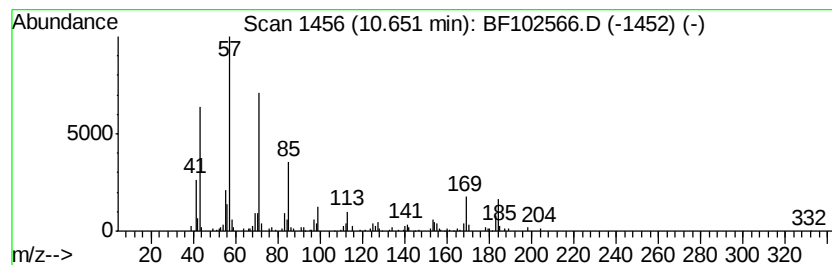
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Tridecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.65	5.12 ng	277737	Phenanthrene-d10	11.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	89
2		Tetradecane	198	C14H30	000629-59-4	87
3		Tridecane, 2-methyl-	198	C14H30	001560-96-9	87
4		Heptadecane	240	C17H36	000629-78-7	86
5		Heneicosane	296	C21H44	000629-94-7	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012818\
Data File : BF102566.D
Acq On : 28 Jan 2018 19:16
Operator : SJ/JU
Sample : J1290-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

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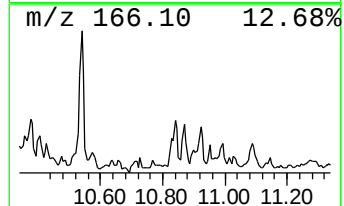
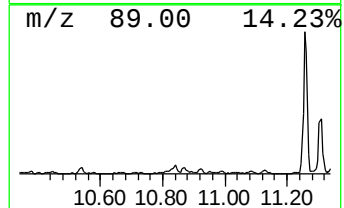
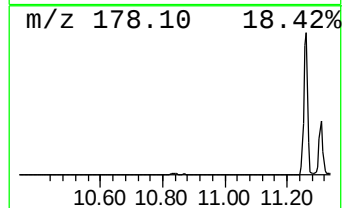
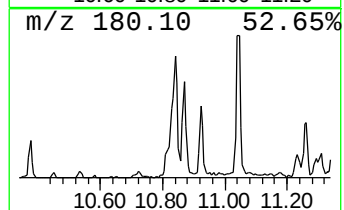
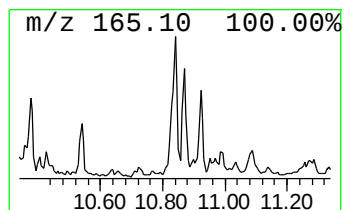
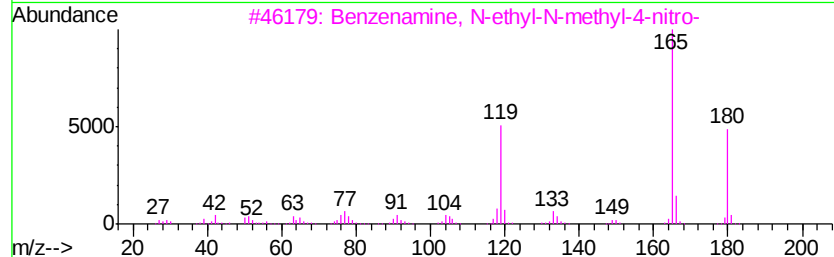
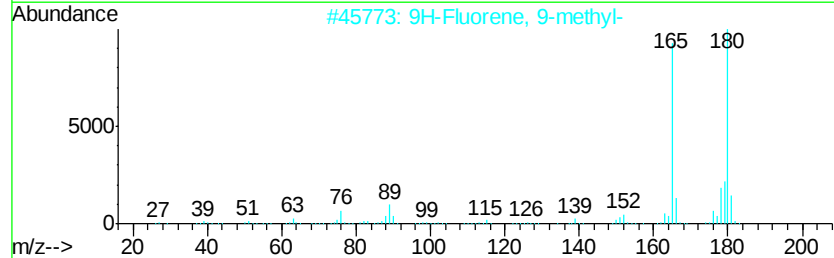
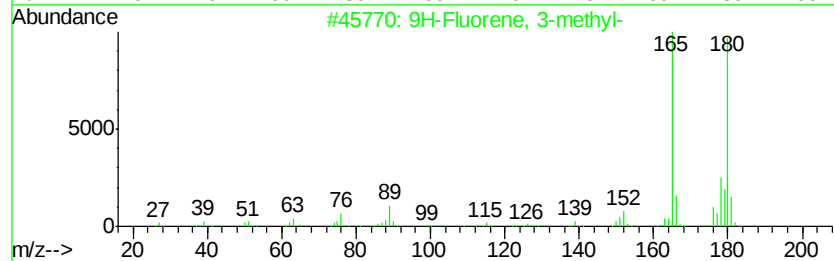
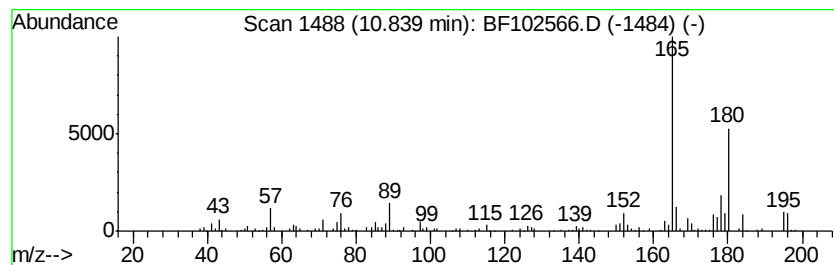
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 9H-Fluorene, 3-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.84	2.94 ng	159647	Phenanthrene-d10	11.23

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
2			9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
3			Benzenamine, N-ethyl-N-methyl-4-...	180	C9H12N2O2	056269-48-8	58
4			2-Amino-4-(tert-butyl)thiophene-...	180	C9H12N2S	010413-34-0	50
5			4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012818\
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Operator : SJ/JU
Sample : J1290-05
Misc :
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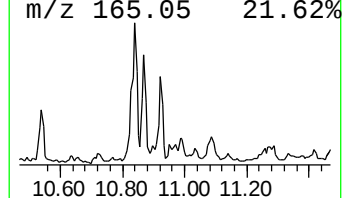
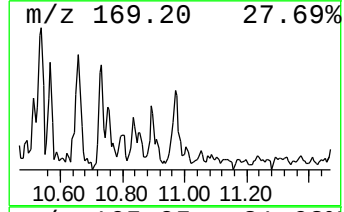
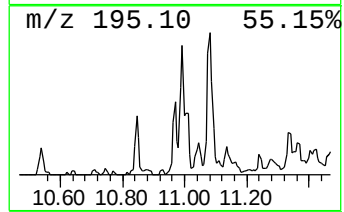
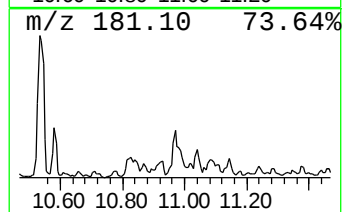
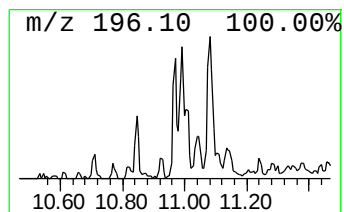
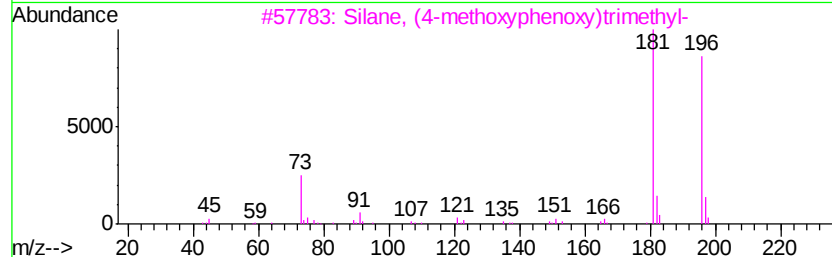
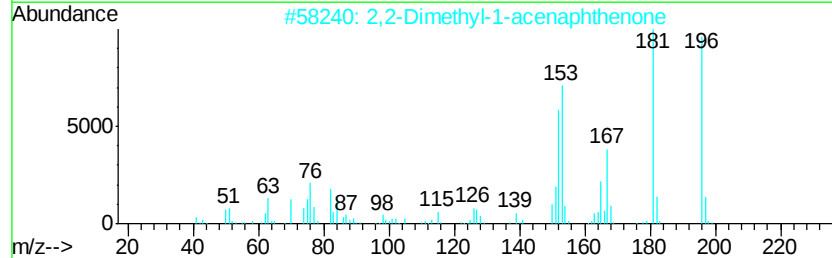
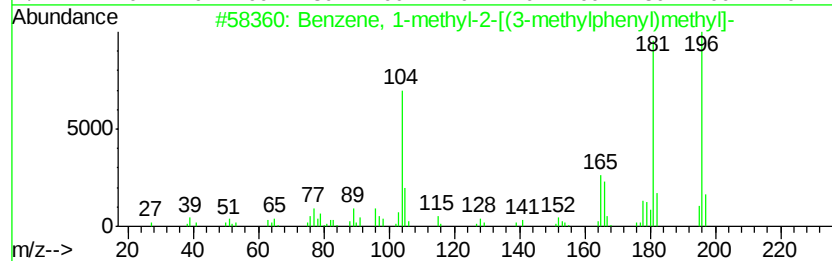
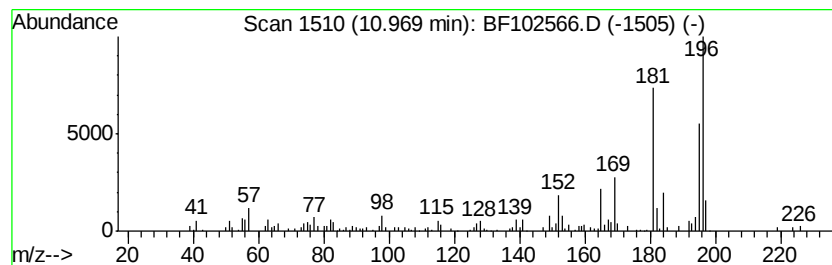
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Benzene, 1-methyl-2-[(3-met... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.97	2.51 ng	136229	Phenanthrene-d10		11.23	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1-methyl-2-[(3-methylph...	196	C15H16	021895-13-6	58
2		2,2-Dimethyl-1-acenaphthenone	196	C14H12O	018086-43-6	53
3		Silane, (4-methoxyphenoxy)trimet...	196	C10H16O2Si	006689-38-9	49
4		Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	47
5		p-Toluenesulfonamide, N-(xanthen...	351	C20H17N03S	006326-06-3	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012818\
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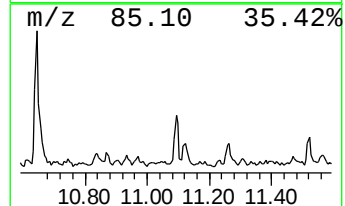
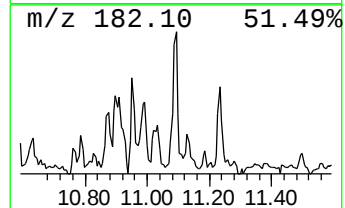
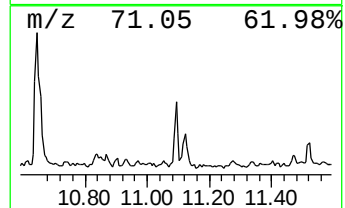
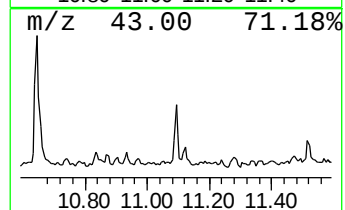
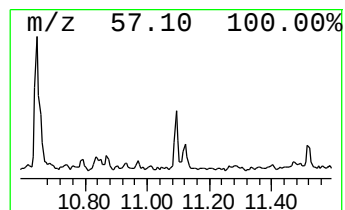
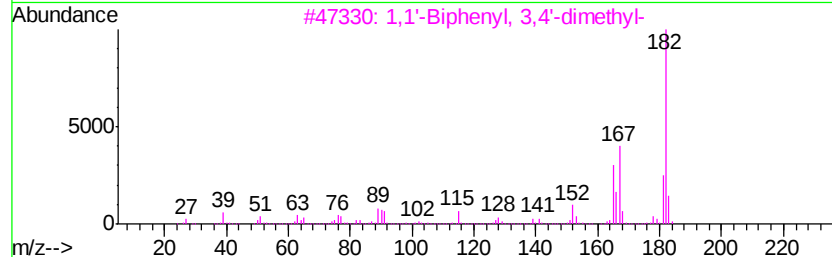
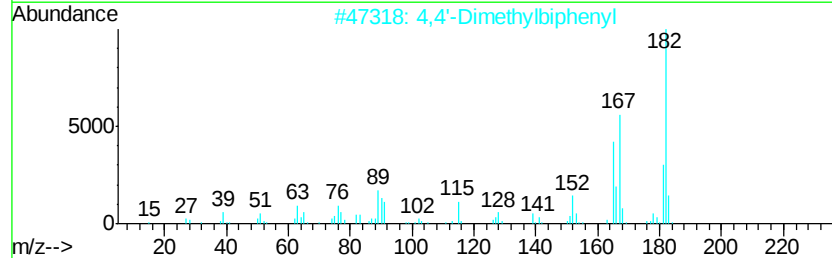
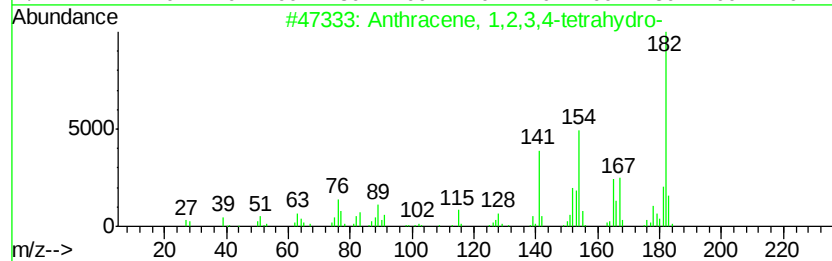
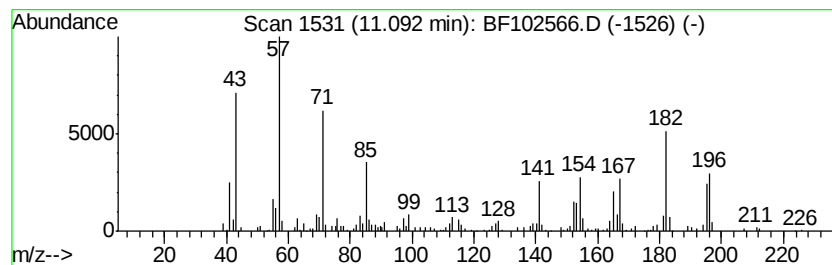
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown11.09 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.09	3.85 ng	208573	Phenanthrene-d10	11.23	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	42
2	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	38
3	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	30
4	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	25
5	Bicyclo[3.2.1]octa-2,6-diene, 2-...	182	C14H14	101166-08-9	22



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012818\
Data File : BF102566.D
Acq On : 28 Jan 2018 19:16
Operator : SJ/JU
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Misc :
ALS Vial : 13 Sample Multiplier: 1

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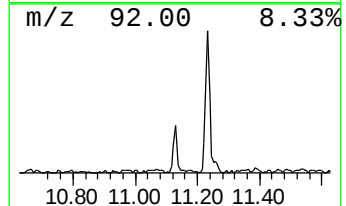
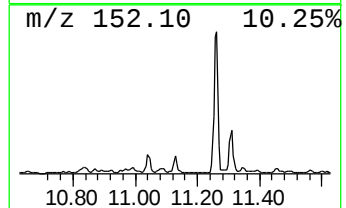
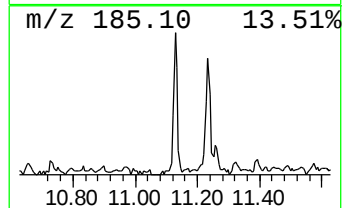
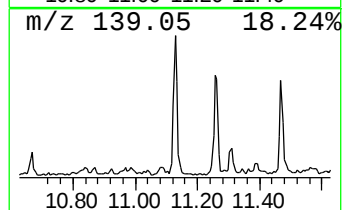
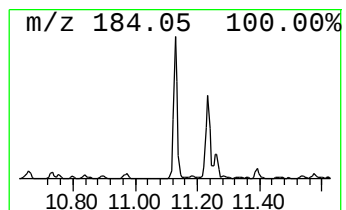
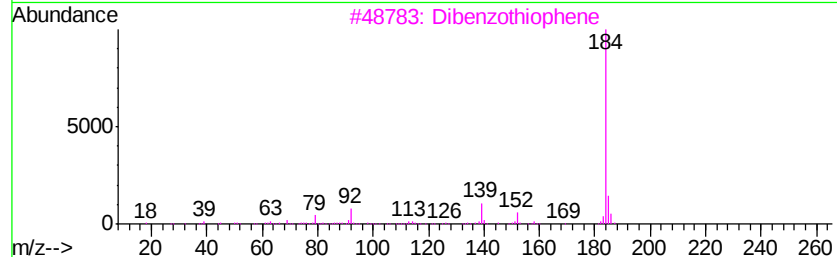
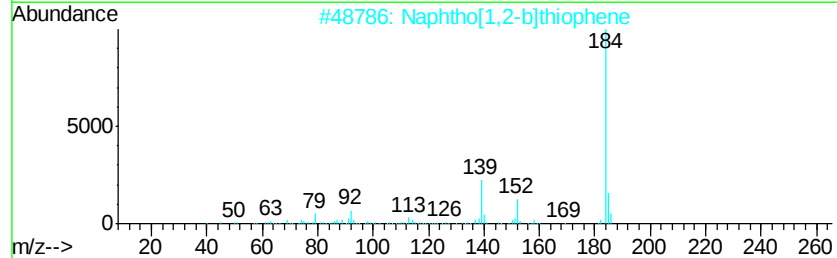
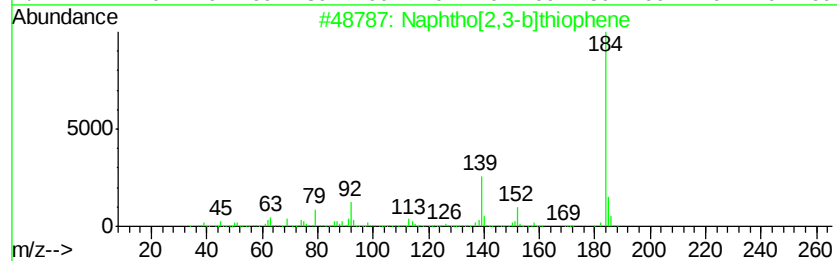
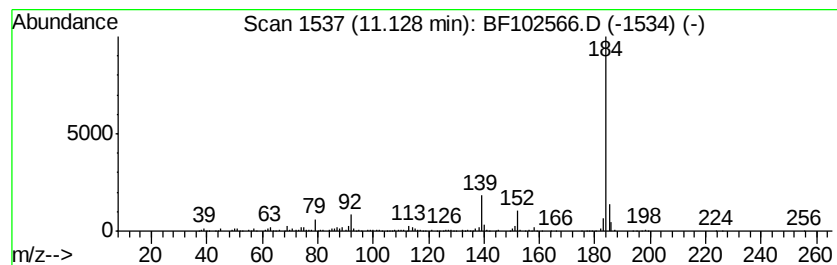
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphtho[2,3-b]thiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	5.18 ng	280883	Phenanthrene-d10	11.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
2		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
3		Dibenzothiophene	184	C12H8S	000132-65-0	95
4		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012818\
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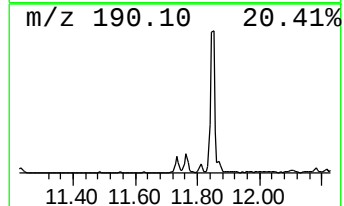
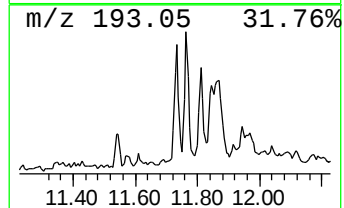
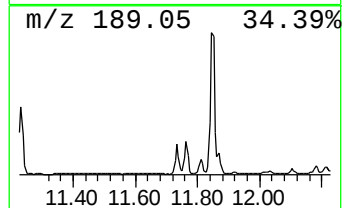
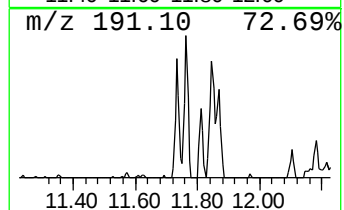
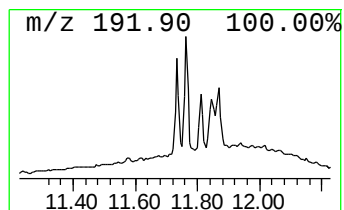
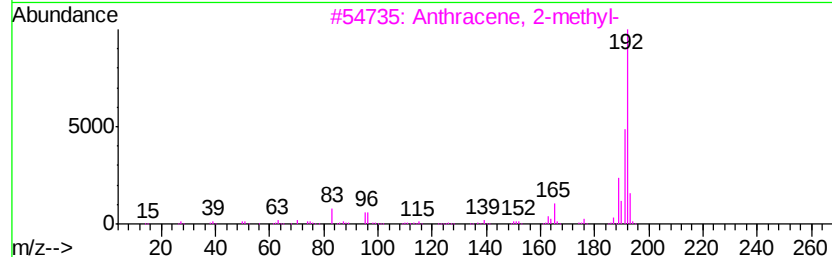
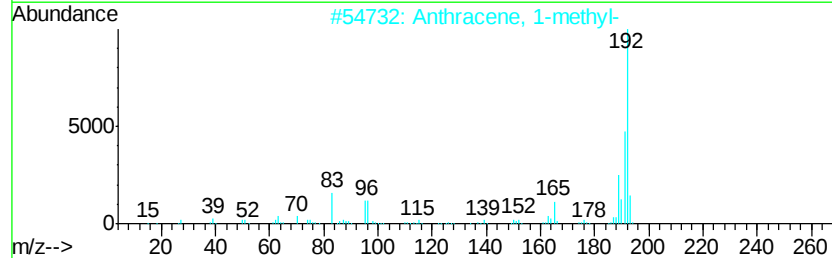
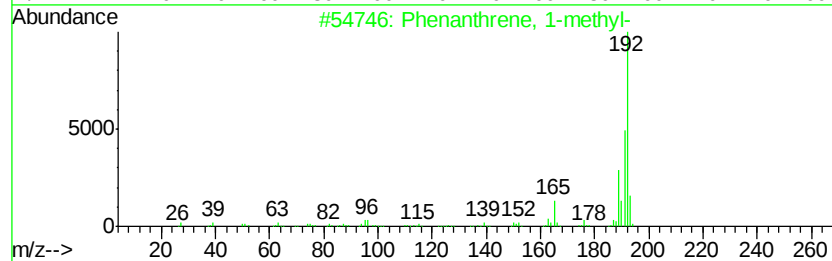
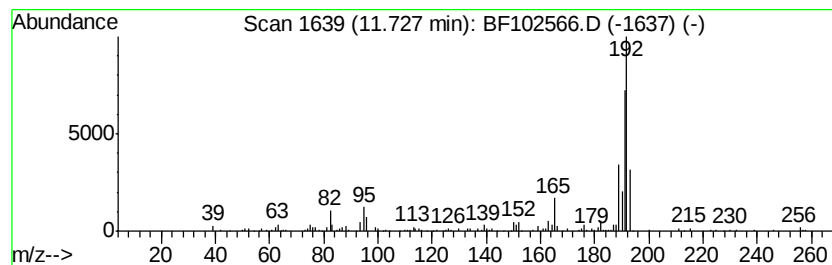
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.73	5.49 ng	297563	Phenanthrene-d10	11.23	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012818\
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Acq On : 28 Jan 2018 19:16
Operator : SJ/JU
Sample : J1290-05
Misc :
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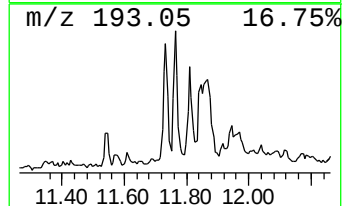
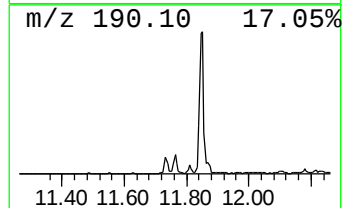
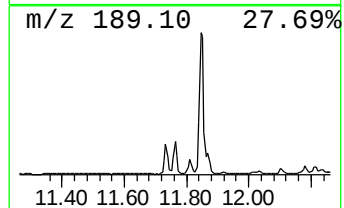
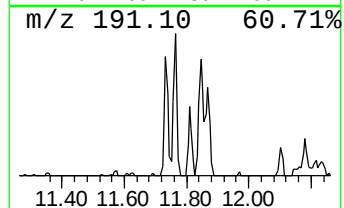
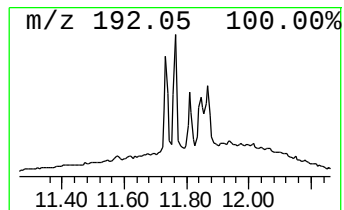
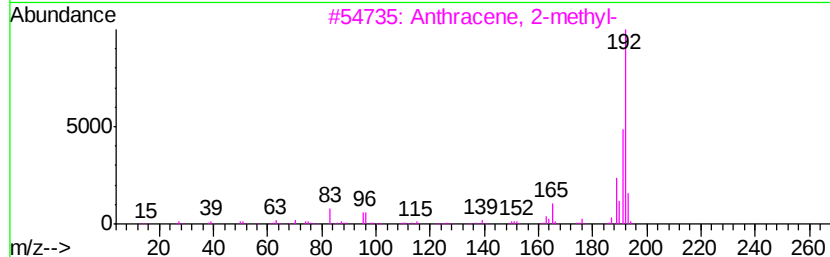
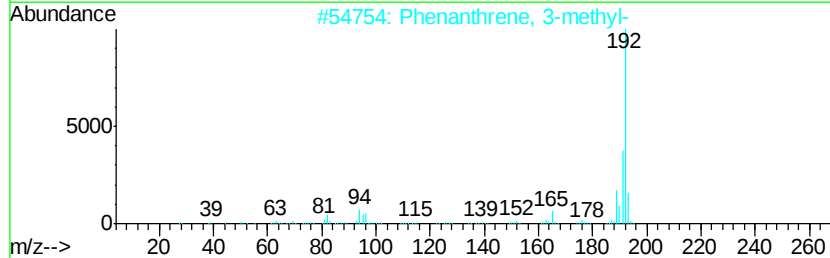
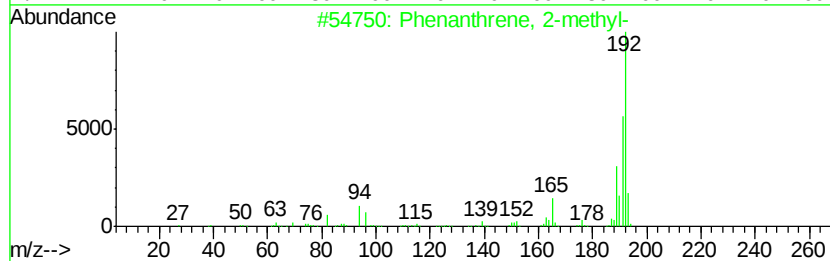
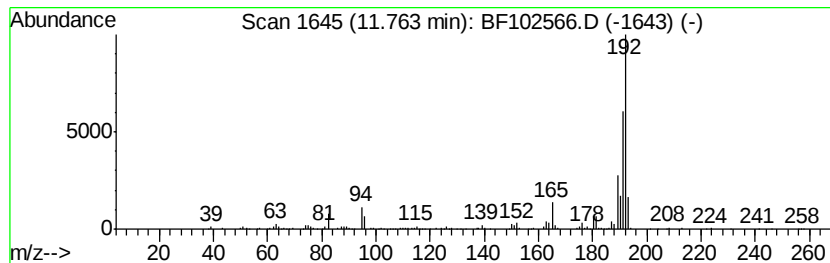
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.76	5.36 ng	290711	Phenanthrene-d10	11.23	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012818\
Data File : BF102566.D
Acq On : 28 Jan 2018 19:16
Operator : SJ/JU
Sample : J1290-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

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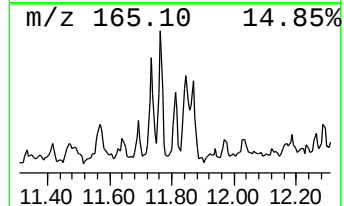
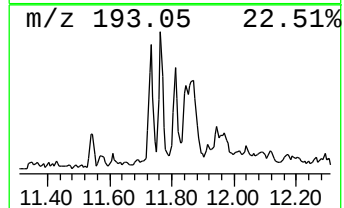
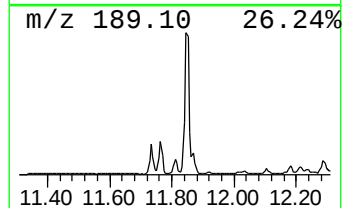
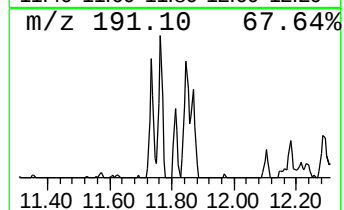
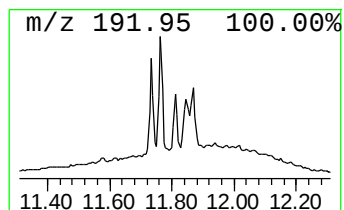
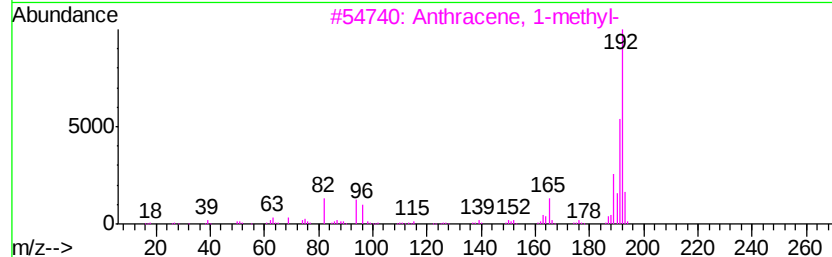
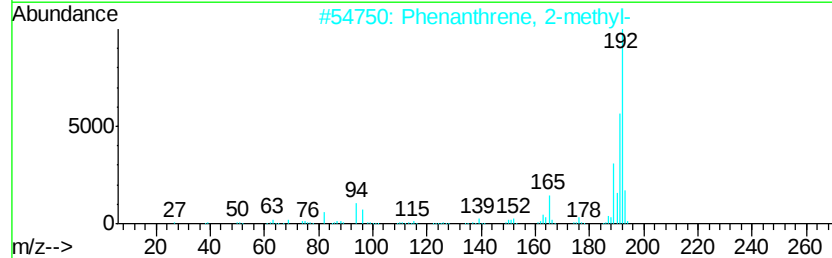
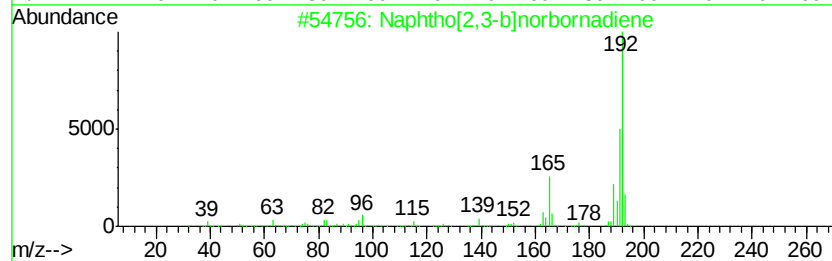
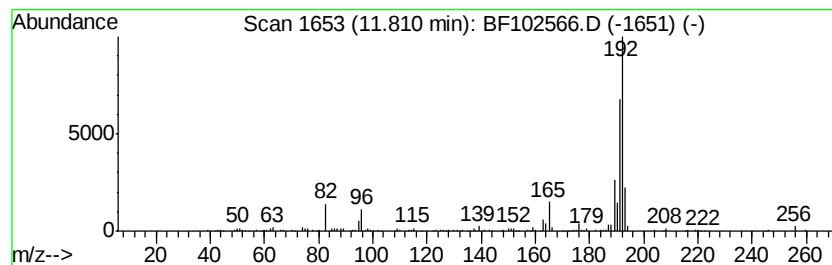
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphtho[2,3-b]norbornadiene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	2.54 ng	137656	Phenanthrene-d10	11.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	91
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012818\
Data File : BF102566.D
Acq On : 28 Jan 2018 19:16
Operator : SJ/JU
Sample : J1290-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

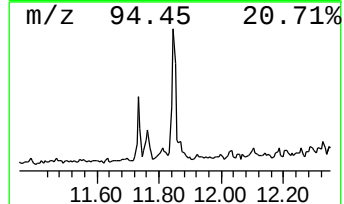
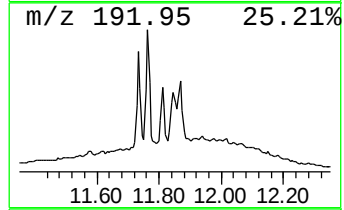
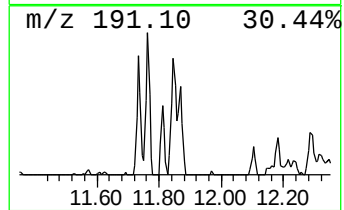
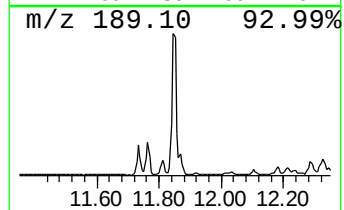
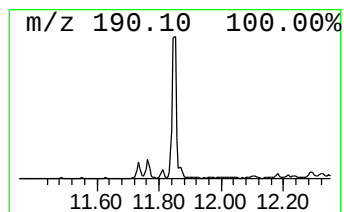
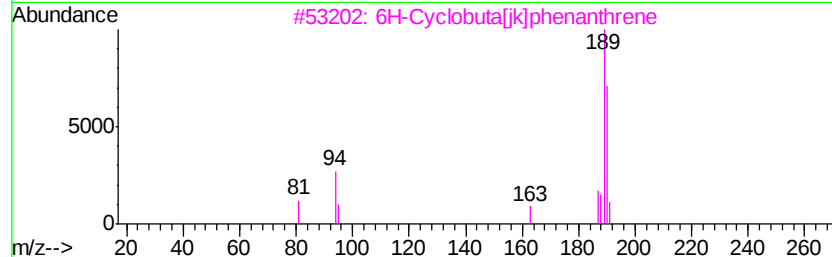
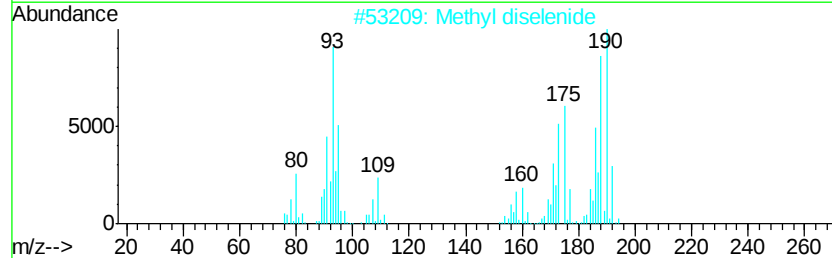
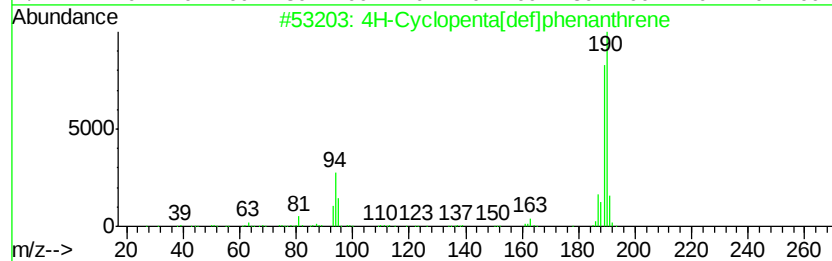
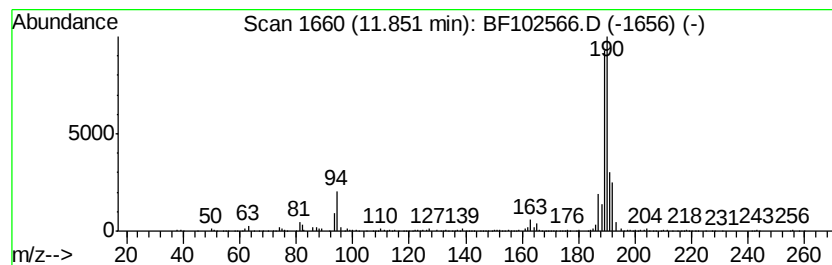
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.85	12.79 ng	693465	Phenanthrene-d10		11.23	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2		Methyl diselenide	190	C2H6Se2	007101-31-7	45
3		6H-Cyclobuta[flk]phenanthrene	190	C15H10	083469-43-6	42
4		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	37
5		1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012818\
Data File : BF102566.D
Acq On : 28 Jan 2018 19:16
Operator : SJ/JU
Sample : J1290-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

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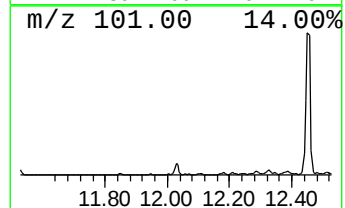
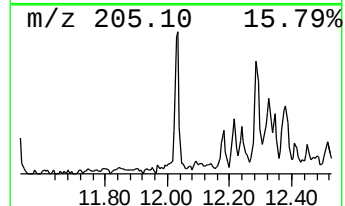
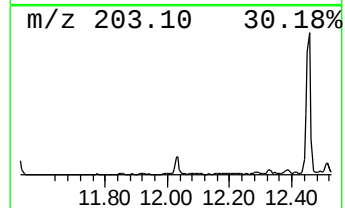
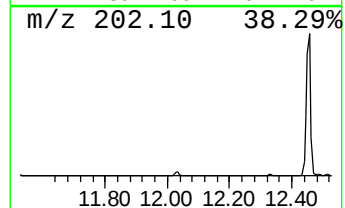
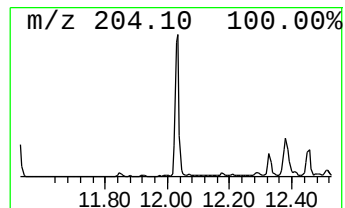
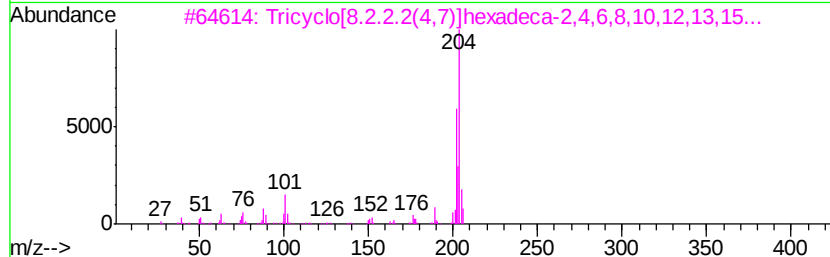
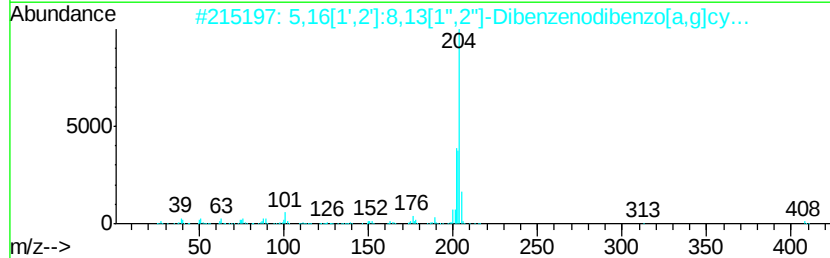
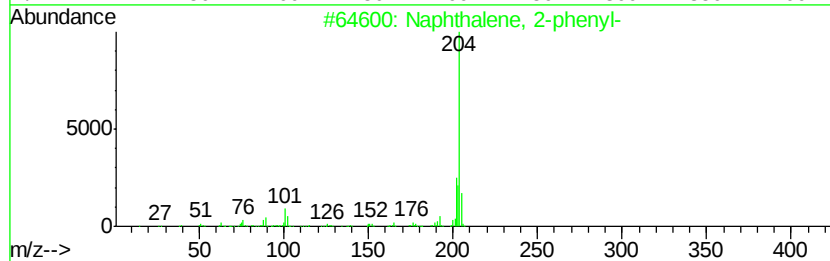
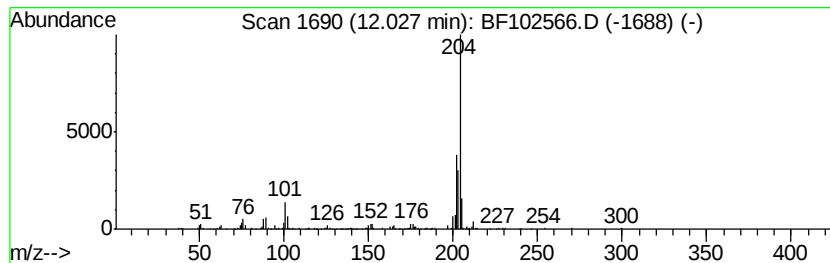
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	4.09 ng	221514	Phenanthrene-d10	11.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2		5,16[1',2'] :8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012818\
Data File : BF102566.D
Acq On : 28 Jan 2018 19:16
Operator : SJ/JU
Sample : J1290-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

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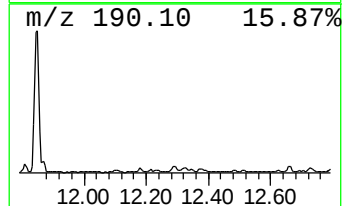
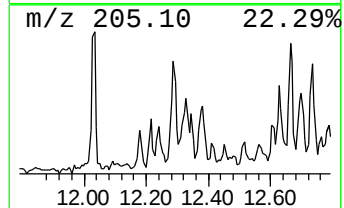
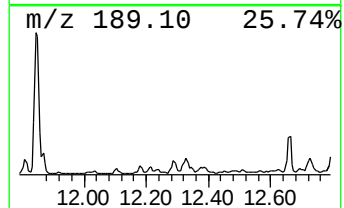
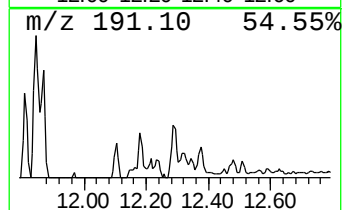
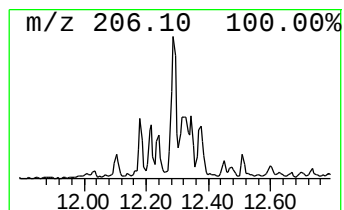
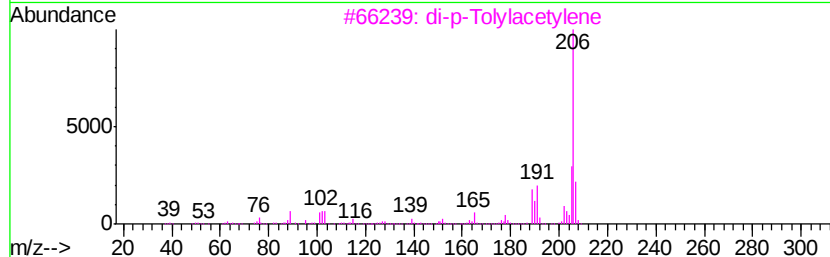
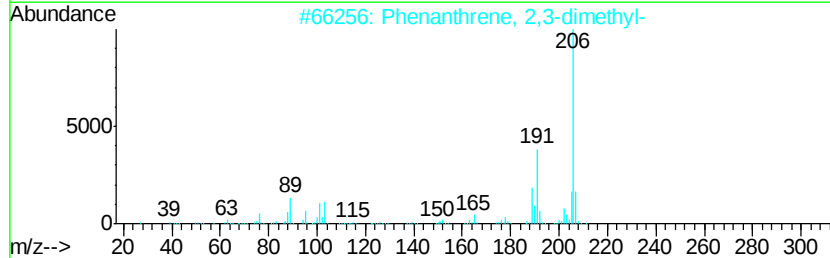
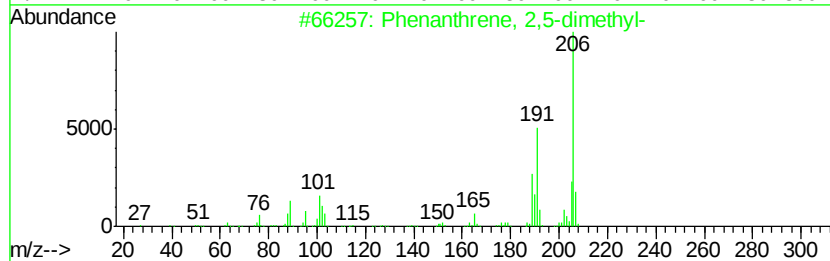
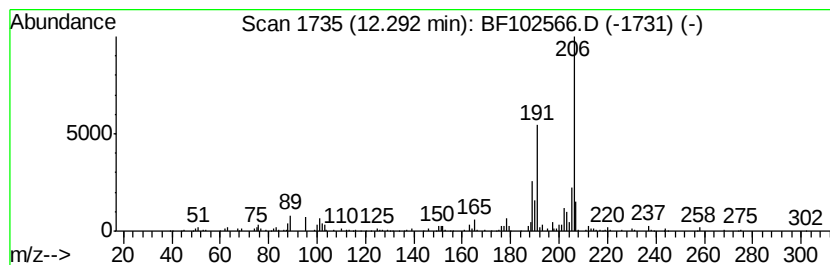
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	2.94 ng	159651	Phenanthrene-d10	11.23

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3			di-p-Tolylacetylene	206	C16H14	002789-88-0	92
4			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012818\
Data File : BF102566.D
Acq On : 28 Jan 2018 19:16
Operator : SJ/JU
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ClientSampleId :
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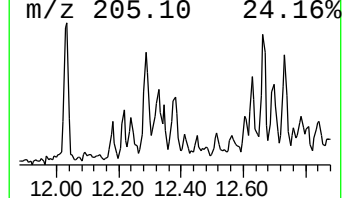
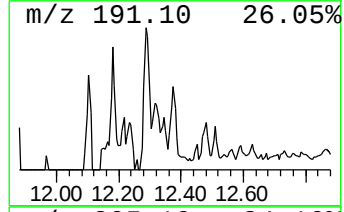
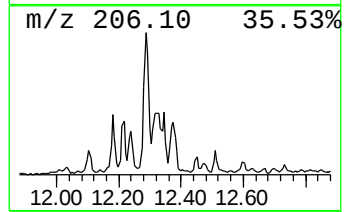
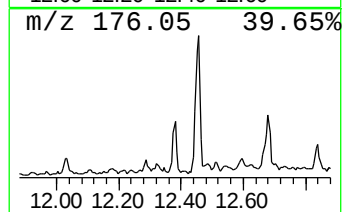
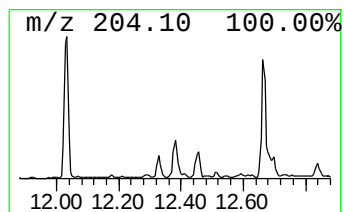
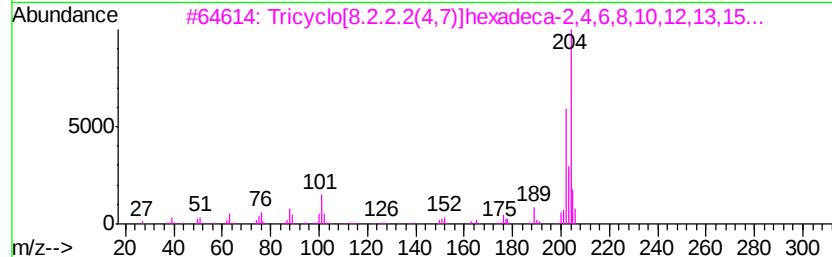
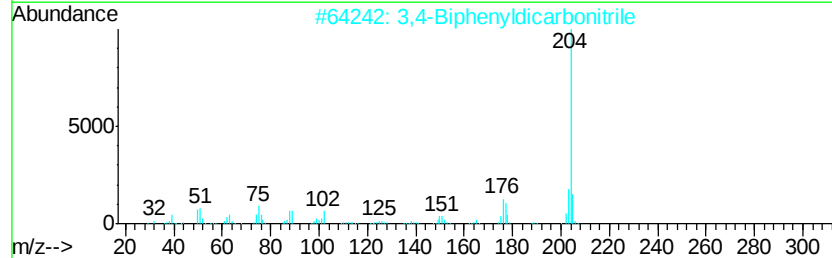
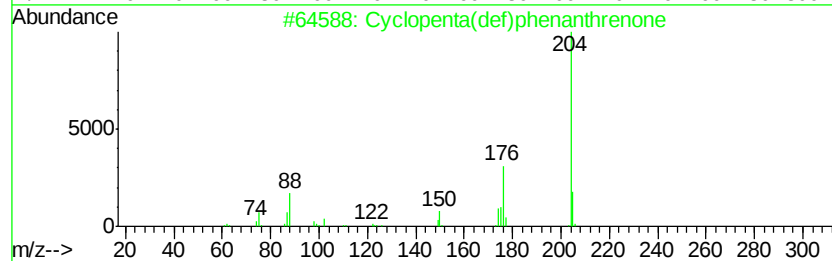
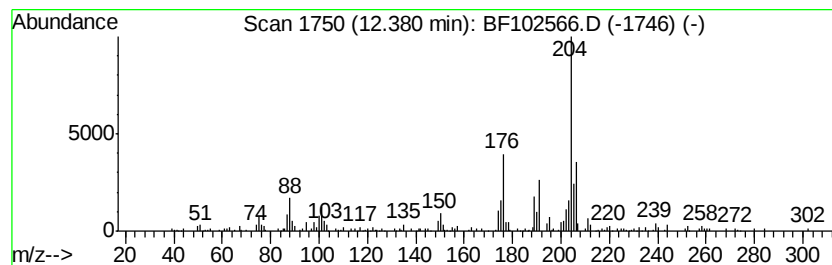
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	3.10 ng	168213	Phenanthrene-d10	11.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	43
4		2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	38
5		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012818\
Data File : BF102566.D
Acq On : 28 Jan 2018 19:16
Operator : SJ/JU
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ClientSampleId :
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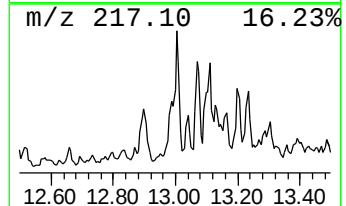
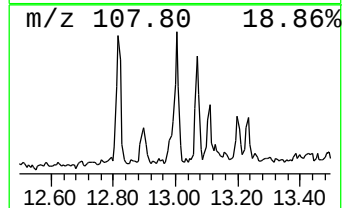
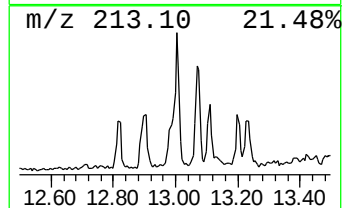
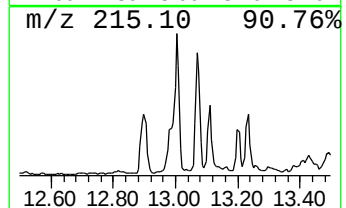
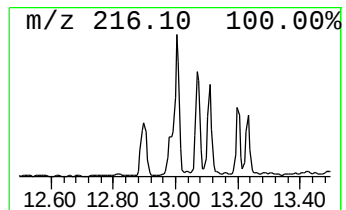
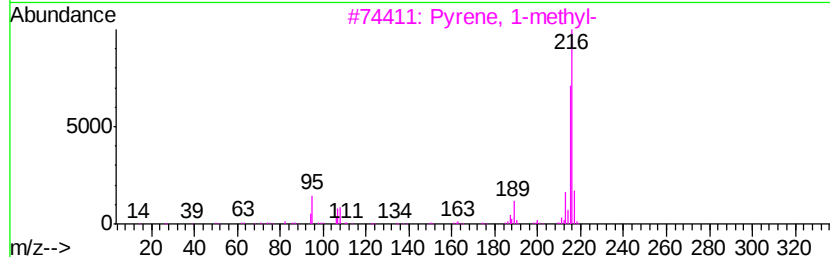
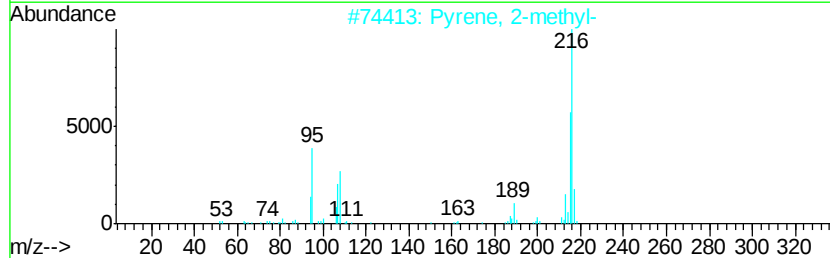
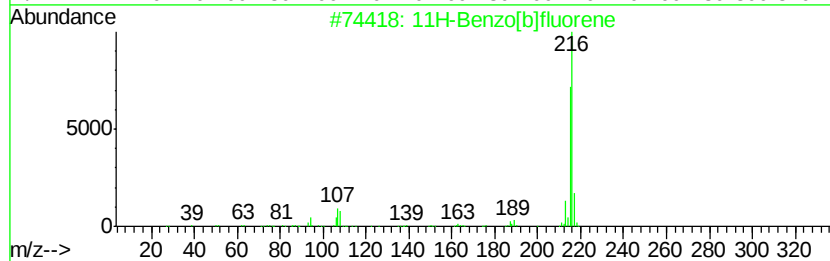
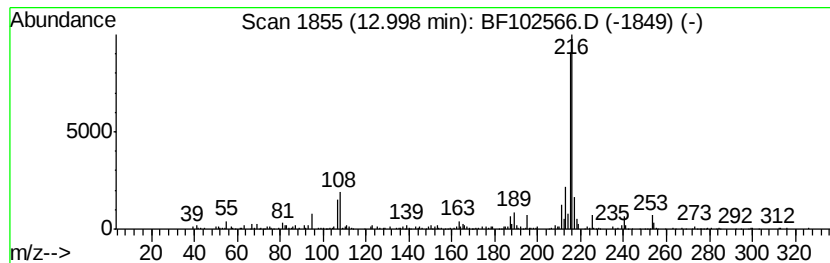
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	6.95 ng	586416	Chrysene-d12	13.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
2		Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
3		Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76



Data Path : Z:\HPCHEM1\BNA F\DATA\BF012818\
Data File : BF102566.D
Acq On : 28 Jan 2018 19:16
Operator : SJ/JU
Sample : J1290-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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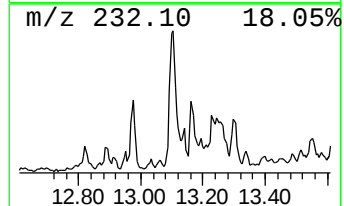
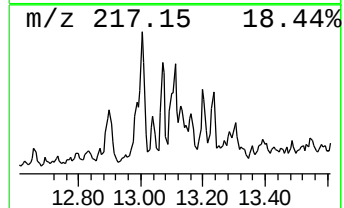
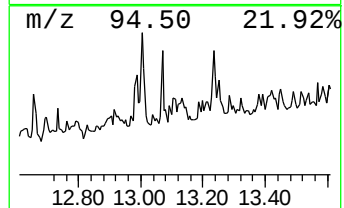
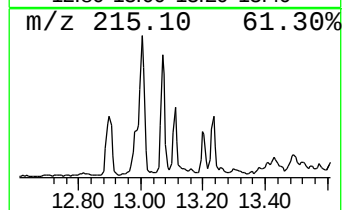
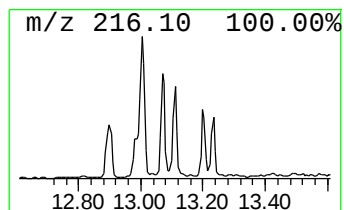
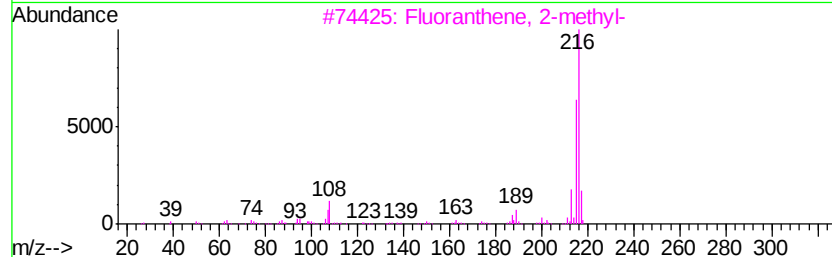
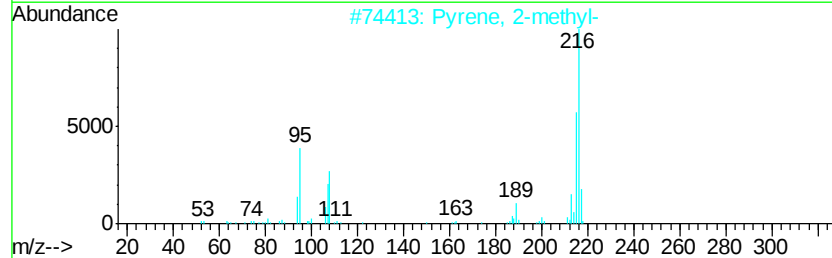
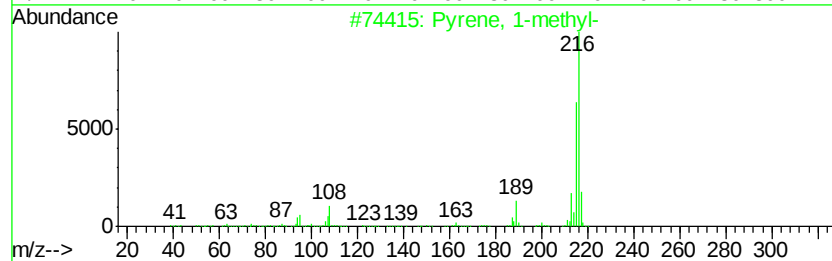
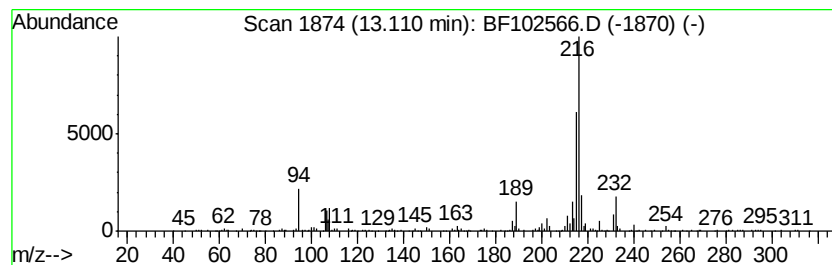
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	4.33 ng	365593	Chrysene-d12	13.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2		Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
4		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012818\
 Data File : BF102566.D
 Acq On : 28 Jan 2018 19:16
 Operator : SJ/JU
 Sample : J1290-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-48-9.5-10.0

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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
unknown6.49	6.49	80.3	ng	3737490	1	6.71	930871	20.0
Thujopsene-(I2)	8.99	5.1	ng	340857	3	9.75	1348230	20.0
Tetratetracontane	10.17	3.0	ng	205805	3	9.75	1348230	20.0
Dibenzofuran, 4-m...	10.45	2.6	ng	174268	3	9.75	1348230	20.0
Tridecane	10.65	5.1	ng	277737	4	11.23	1084420	20.0
9H-Fluorene, 3-me...	10.84	2.9	ng	159647	4	11.23	1084420	20.0
Benzene, 1-methyl...	10.97	2.5	ng	136229	4	11.23	1084420	20.0
unknown11.09	11.09	3.9	ng	208573	4	11.23	1084420	20.0
Naphtho[2,3-b]thi...	11.13	5.2	ng	280883	4	11.23	1084420	20.0
Phenanthrene, 1-m...	11.73	5.5	ng	297563	4	11.23	1084420	20.0
Phenanthrene, 2-m...	11.76	5.4	ng	290711	4	11.23	1084420	20.0
Naphtho[2,3-b]nor...	11.81	2.5	ng	137656	4	11.23	1084420	20.0
4H-Cyclopenta[def...	11.85	12.8	ng	693465	4	11.23	1084420	20.0
Naphthalene, 2-ph...	12.03	4.1	ng	221514	4	11.23	1084420	20.0
Phenanthrene, 2,5...	12.29	2.9	ng	159651	4	11.23	1084420	20.0
Cyclopenta(def)ph...	12.38	3.1	ng	168213	4	11.23	1084420	20.0
11H-Benzo[b]fluorene	13.00	7.0	ng	586416	5	13.88	1687560	20.0
Pyrene, 1-methyl-	13.11	4.3	ng	365593	5	13.88	1687560	20.0