

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
 Data File : BF111728.D
 Acq On : 26 Dec 2018 21:57
 Operator : JU/SJ
 Sample : J6386-20
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS008-0612-01

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-BF121918.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	2.228	20	24	30	rVB	63416	89563	1.78%	0.099%
2	3.451	226	232	244	rBV	39863	84995	1.69%	0.094%
3	5.134	511	518	523	rBV	241255	316532	6.30%	0.351%
4	5.540	582	587	590	rVB	4593279	4538759	90.35%	5.037%
5	5.757	618	624	633	rBV3	36109	61830	1.23%	0.069%
6	6.192	695	698	701	rBV	74670	68545	1.36%	0.076%
7	6.539	752	757	762	rBV2	4088220	5023711	100.00%	5.575%
8	6.675	775	780	784	rBV	4668724	4793199	95.41%	5.319%
9	6.728	786	789	794	rBV4	54037	87519	1.74%	0.097%
10	6.857	808	811	815	rVB	67788	56525	1.13%	0.063%
11	6.898	815	818	822	rBV	1472960	1360411	27.08%	1.510%
12	6.963	825	829	832	rBV2	55109	62187	1.24%	0.069%
13	7.063	841	846	849	rVB	3953112	3758140	74.81%	4.171%
14	7.151	858	861	868	rBV4	92318	124815	2.48%	0.139%
15	7.298	880	886	890	rBV	174724	179206	3.57%	0.199%
16	7.457	906	913	916	rBV	2826283	3021866	60.15%	3.354%
17	7.663	943	948	951	rBV2	59298	62300	1.24%	0.069%
18	7.833	974	977	982	rVB	107400	98165	1.95%	0.109%
19	8.122	1022	1026	1031	rVB2	112018	121565	2.42%	0.135%
20	8.181	1031	1036	1039	rBV	1760696	1589071	31.63%	1.764%
21	8.345	1060	1064	1067	rBV3	55312	56213	1.12%	0.062%
22	8.710	1120	1126	1128	rBV	67231	66001	1.31%	0.073%
23	8.892	1154	1157	1160	rVB	114639	83028	1.65%	0.092%
24	8.933	1161	1164	1170	rVB	81349	83110	1.65%	0.092%
25	8.992	1171	1174	1177	rBV	140282	109468	2.18%	0.121%
26	9.257	1214	1219	1222	rBV	5493642	4669125	92.94%	5.182%
27	9.345	1229	1234	1238	rBV3	223102	281800	5.61%	0.313%
28	9.516	1260	1263	1268	rBV2	97417	170308	3.39%	0.189%
29	9.592	1273	1276	1279	rBV	222163	295862	5.89%	0.328%
30	9.645	1282	1285	1290	rVV	844583	910784	18.13%	1.011%
31	9.698	1290	1294	1298	rVV3	135907	203152	4.04%	0.225%
32	9.798	1307	1311	1315	rBV2	316686	442948	8.82%	0.492%
33	9.869	1318	1323	1328	rVB	99113	105148	2.09%	0.117%
34	9.939	1328	1335	1338	rBV	1534111	1660146	33.05%	1.842%

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35	9.969	1338	1340	1342	rBV	120838	94914	1.89%	0.105%
36	10.063	1349	1356	1360	rBV2	553054	658047	13.10%	0.730%
37	10.133	1365	1368	1373	rVV2	142818	177023	3.52%	0.196%
38	10.180	1373	1376	1380	rVV2	418651	394664	7.86%	0.438%
39	10.251	1385	1388	1391	rBV2	92337	93051	1.85%	0.103%
40	10.280	1391	1393	1396	rVV	71746	55785	1.11%	0.062%
41	10.345	1400	1404	1405	rBV2	87712	104638	2.08%	0.116%
42	10.369	1405	1408	1410	rVB2	110199	108838	2.17%	0.121%
43	10.480	1425	1427	1434	rVB3	118392	138811	2.76%	0.154%
44	10.592	1443	1446	1450	rVB2	102422	94153	1.87%	0.104%
45	10.722	1464	1468	1472	rBV	2644215	2645656	52.66%	2.936%
46	10.839	1486	1488	1495	rVB4	187098	323254	6.43%	0.359%
47	10.927	1500	1503	1505	rBV3	50271	61799	1.23%	0.069%
48	11.033	1518	1521	1523	rBV2	93307	79538	1.58%	0.088%
49	11.063	1523	1526	1528	rBV2	86554	90849	1.81%	0.101%
50	11.221	1551	1553	1556	rVB2	64841	55985	1.11%	0.062%
51	11.286	1562	1564	1567	rVB	101882	76889	1.53%	0.085%
52	11.316	1567	1569	1573	rBV	121898	118462	2.36%	0.131%
53	11.421	1583	1587	1589	rBV	1520716	1297508	25.83%	1.440%
54	11.445	1589	1591	1594	rVV	1264494	951284	18.94%	1.056%
55	11.498	1598	1600	1602	rVV	205095	154119	3.07%	0.171%
56	11.539	1604	1607	1609	rVB2	238387	232121	4.62%	0.258%
57	11.645	1623	1625	1627	rVB2	96621	74246	1.48%	0.082%
58	11.716	1635	1637	1639	rVB	130224	87324	1.74%	0.097%
59	11.751	1641	1643	1647	rVB	121668	111444	2.22%	0.124%
60	11.874	1662	1664	1668	rBV2	92526	111712	2.22%	0.124%
61	11.921	1669	1672	1674	rVV	448613	414871	8.26%	0.460%
62	11.957	1674	1678	1680	rVV2	1616342	1530893	30.47%	1.699%
63	11.980	1680	1682	1687	rVV2	1065526	907231	18.06%	1.007%
64	12.033	1688	1691	1694	rVV	908934	898618	17.89%	0.997%
65	12.057	1694	1695	1700	rVB2	380206	352396	7.01%	0.391%
66	12.110	1701	1704	1705	rBV	326269	302709	6.03%	0.336%
67	12.221	1720	1723	1725	rBV2	210056	210530	4.19%	0.234%
68	12.368	1746	1748	1751	rVB	132539	94212	1.88%	0.105%
69	12.404	1751	1754	1756	rBV2	174310	167385	3.33%	0.186%
70	12.468	1761	1765	1769	rBV2	1891816	2047378	40.75%	2.272%
71	12.510	1769	1772	1774	rVV2	290345	299371	5.96%	0.332%

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72	12.551	1777	1779	1785	rVB3	975114	921890	18.35%	1.023%
73	12.639	1791	1794	1796	rBV	922841	793313	15.79%	0.880%
74	12.733	1807	1810	1818	rBV3	1318845	1922236	38.26%	2.133%
75	12.868	1829	1833	1835	rBV	1378391	1301036	25.90%	1.444%
76	13.010	1853	1857	1865	rVB	4457724	4595532	91.48%	5.100%
77	13.104	1870	1873	1876	rVB	1374659	1176417	23.42%	1.306%
78	13.133	1876	1878	1882	rBV2	463890	509934	10.15%	0.566%
79	13.198	1886	1889	1893	rVB2	3370357	2869839	57.13%	3.185%
80	13.239	1893	1896	1899	rBV	1686223	1479680	29.45%	1.642%
81	13.333	1910	1912	1915	rVB	440817	325886	6.49%	0.362%
82	13.392	1918	1922	1924	rVV2	3461874	3207118	63.84%	3.559%
83	13.421	1924	1927	1931	rVB2	1037200	932078	18.55%	1.034%
84	13.492	1936	1939	1945	rVB2	1569825	1562702	31.11%	1.734%
85	13.604	1952	1958	1962	rBV	2150332	2894658	57.62%	3.212%
86	13.639	1962	1964	1968	rVB	346918	278239	5.54%	0.309%
87	13.680	1969	1971	1973	rBV	354324	341524	6.80%	0.379%
88	13.710	1973	1976	1979	rVB	1889984	1744927	34.73%	1.936%
89	13.751	1980	1983	1986	rBV	882524	763999	15.21%	0.848%
90	13.892	2004	2007	2011	rBV3	1807143	2296953	45.72%	2.549%
91	13.933	2011	2014	2015	rBV	635281	511154	10.17%	0.567%
92	14.068	2034	2037	2039	rVB2	1220507	1175144	23.39%	1.304%
93	14.104	2039	2043	2046	rVB2	3041583	3078204	61.27%	3.416%
94	14.321	2076	2080	2083	rBV	1138361	1258485	25.05%	1.397%
95	14.362	2084	2087	2090	rVV2	555811	511850	10.19%	0.568%
96	14.410	2092	2095	2098	rVB2	637673	558815	11.12%	0.620%
97	14.539	2114	2117	2121	rVB3	508065	514909	10.25%	0.571%
98	14.780	2156	2158	2164	rVB2	491058	455693	9.07%	0.506%
99	15.557	2287	2290	2293	rBV	588419	673281	13.40%	0.747%
100	18.497	2787	2790	2802	rVB4	448588	1198471	23.86%	1.330%

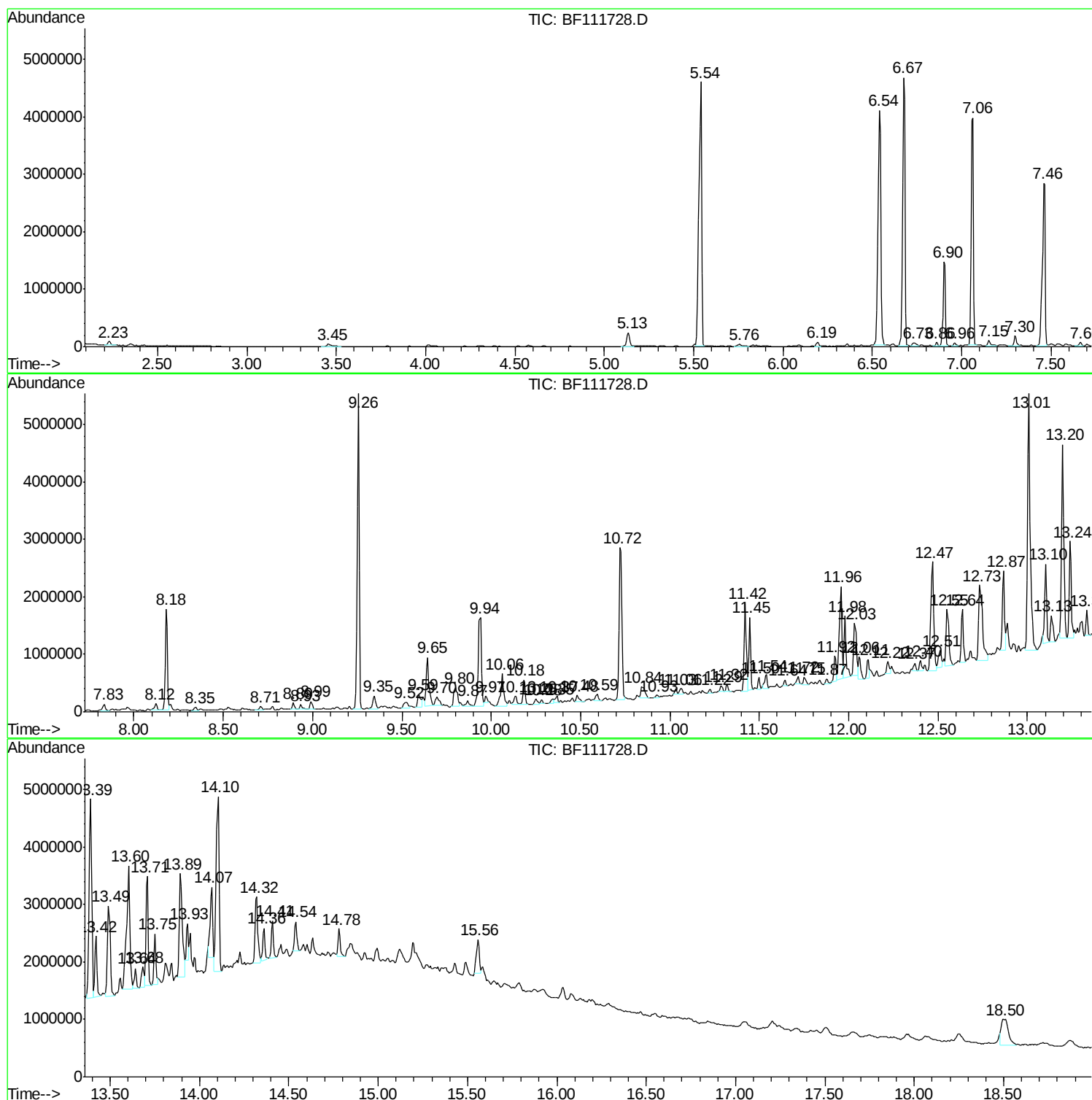
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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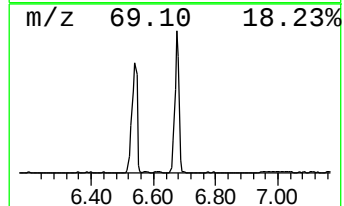
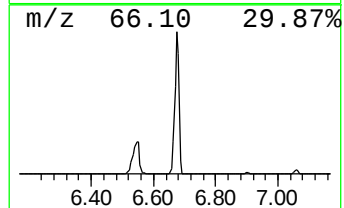
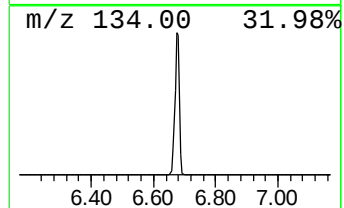
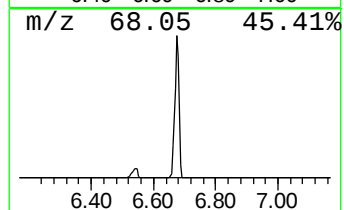
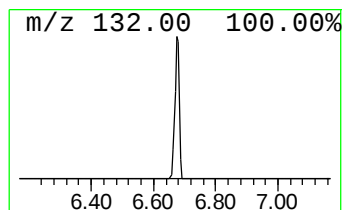
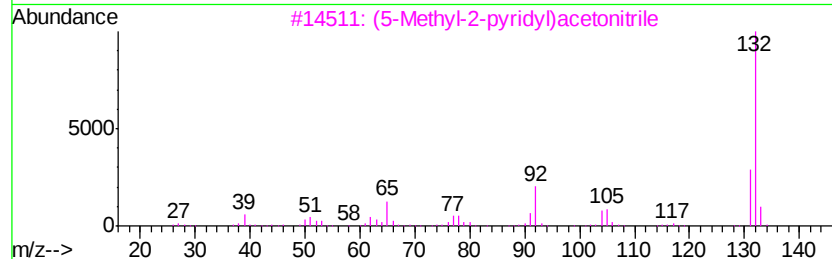
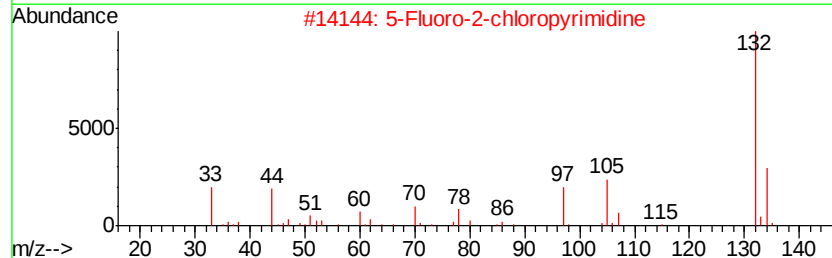
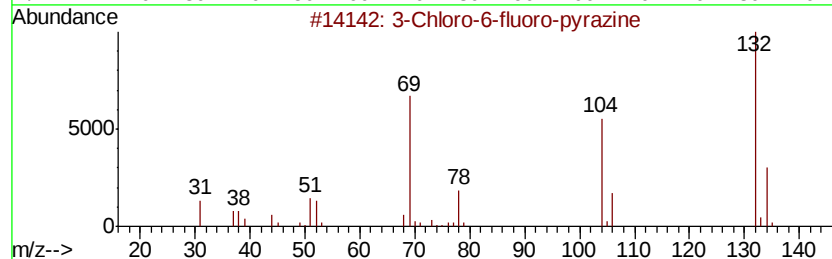
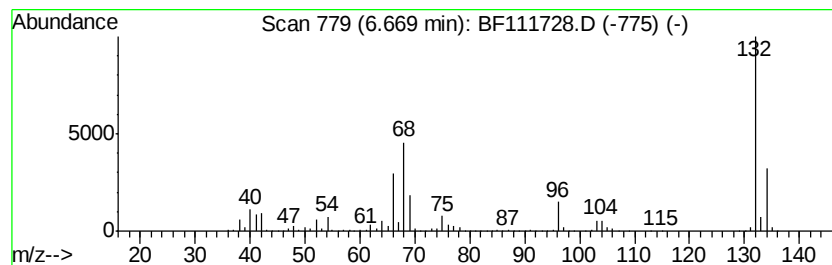
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.67 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.67	70.47 ng	4793200	1,4-Dichlorobenzene-d4	6.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3		(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	10
4		1,2,4-Trifluorobenzene	132	C6H3F3	000367-23-7	9
5		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9



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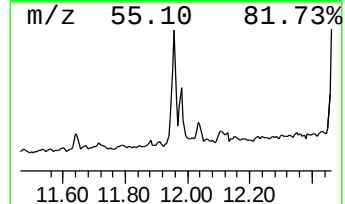
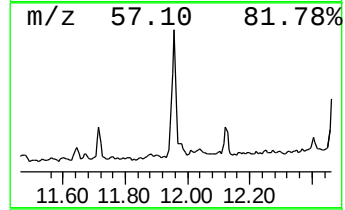
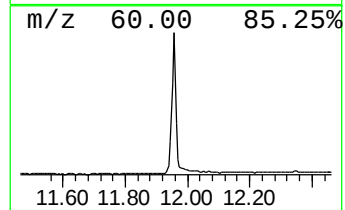
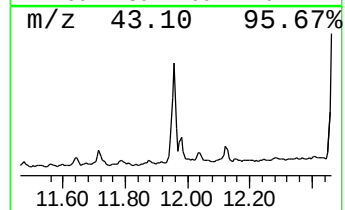
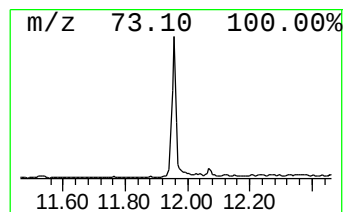
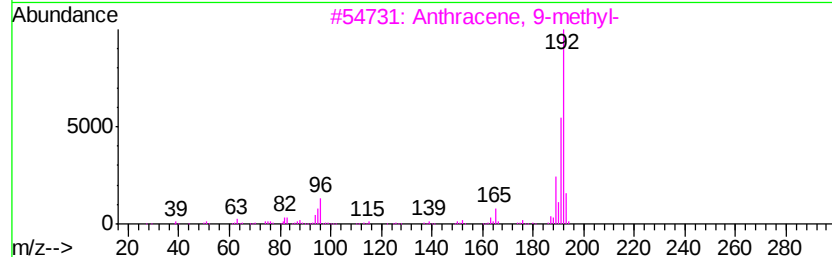
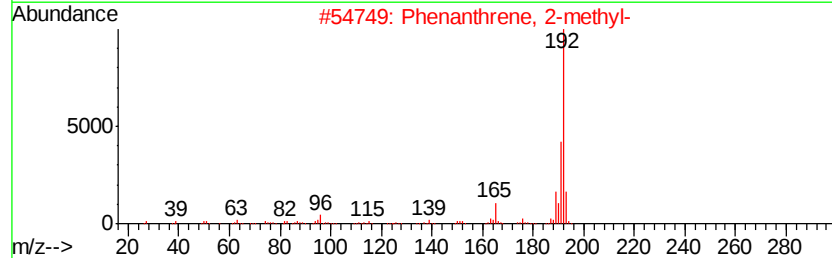
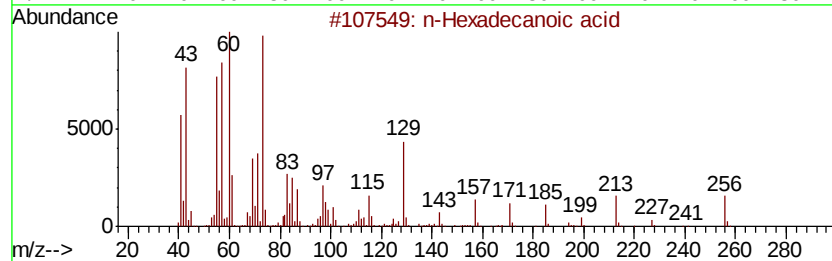
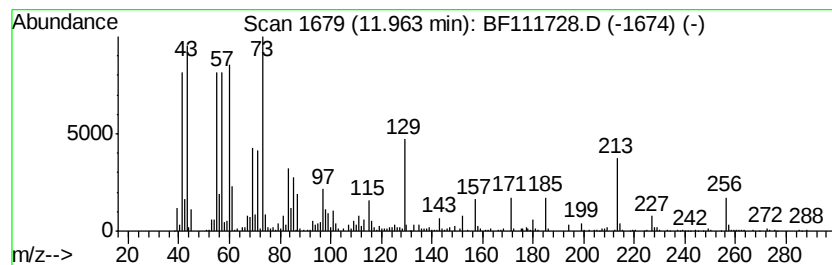
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 n-Hexadecanoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.96	23.60 ng	1530890	Phenanthrene-d10	11.42	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	78
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	74
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	74
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	74



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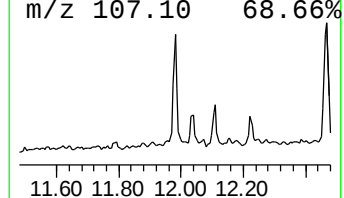
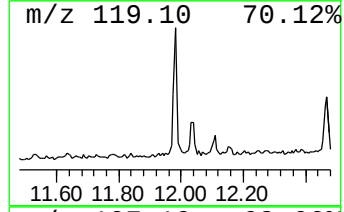
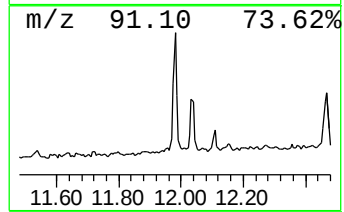
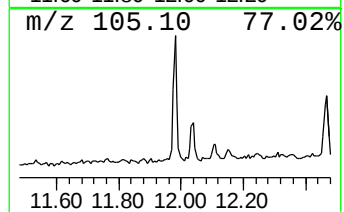
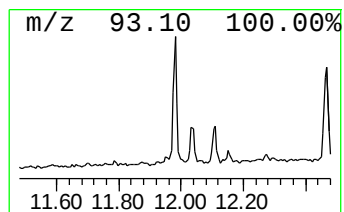
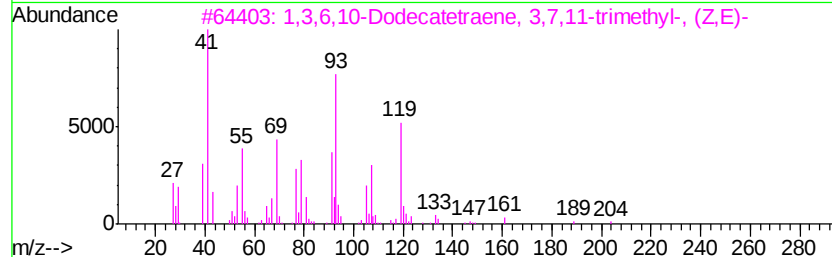
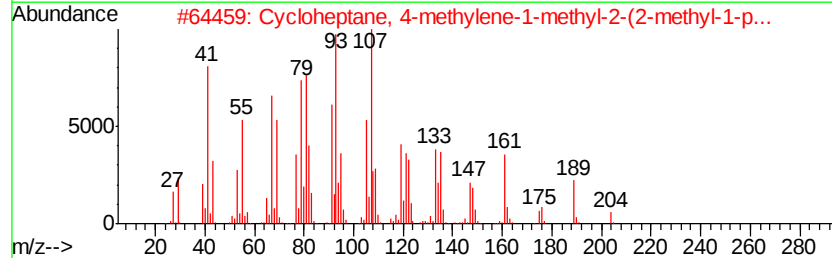
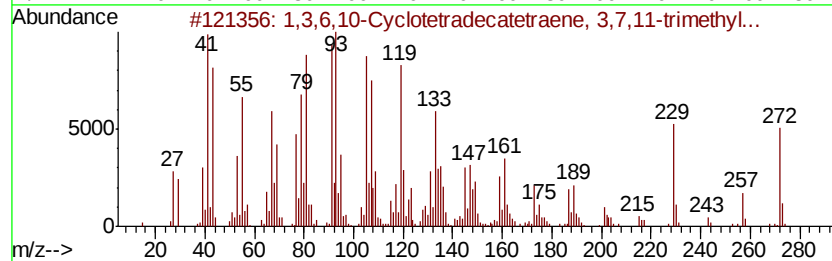
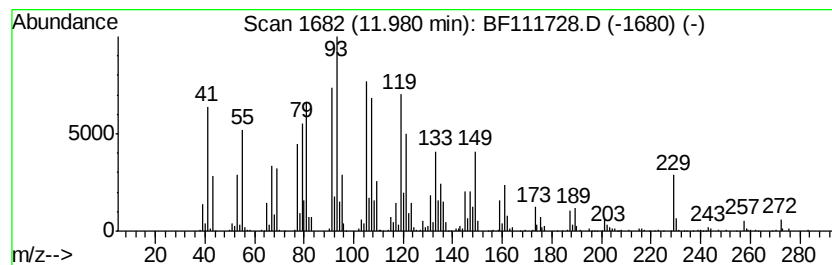
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 1,3,6,10-Cyclotetradecatetr... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.98	13.98 ng	907231	Phenanthrene-d10	11.42		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,6,10-Cyclotetradecatetraene, ...	272	C20H32		001898-13-1	98
2	Cycloheptane, 4-methylene-1-meth...	204	C15H24		1000159-38-5	64
3	1,3,6,10-Dodecatetraene, 3,7,11-...	204	C15H24		026560-14-5	45
4	.alpha.-Farnesene	204	C15H24		000502-61-4	38
5	Bicyclo[7.2.0]undec-4-ene, 4,11,...	204	C15H24		013877-93-5	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
Data File : BF111728.D
Acq On : 26 Dec 2018 21:57
Operator : JU/SJ
Sample : J6386-20
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
P001-SS008-0612-01

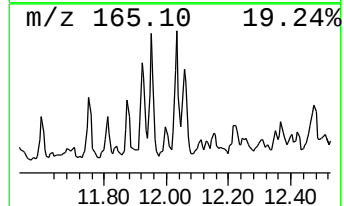
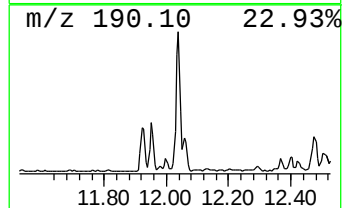
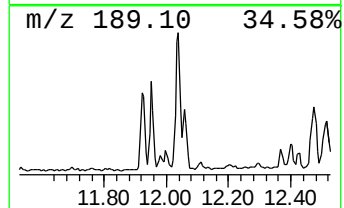
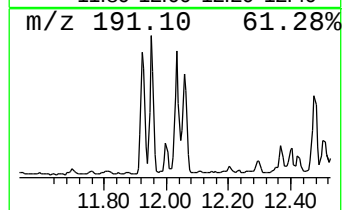
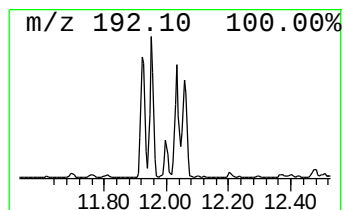
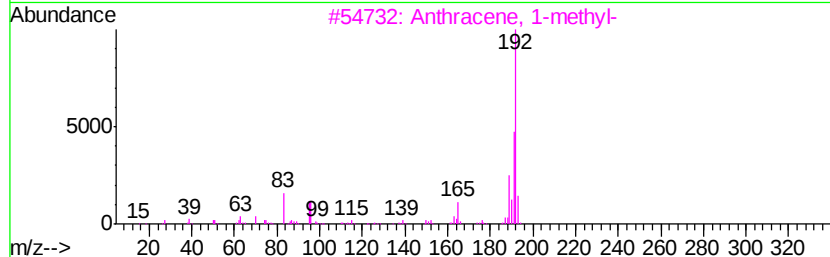
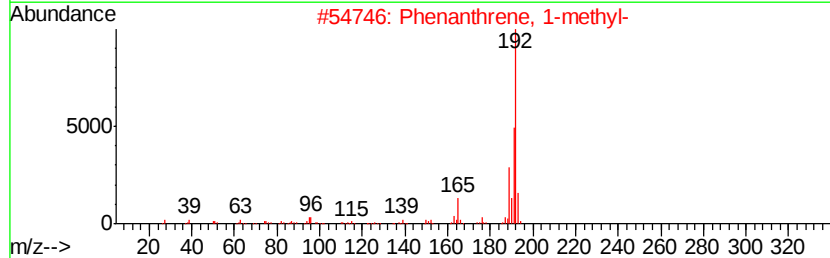
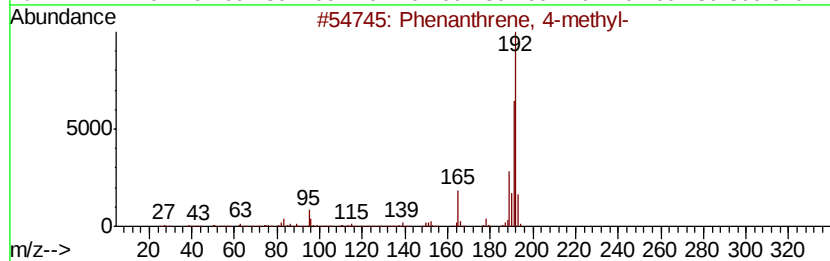
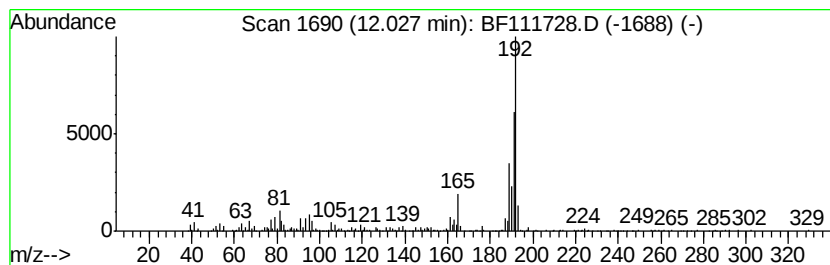
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	13.85 ng	898618	Phenanthrene-d10	11.42

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3			Anthracene, 1-methyl-	192	C15H12	000610-48-0	64
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	64
5			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	60



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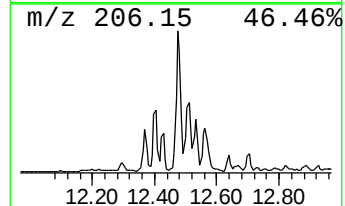
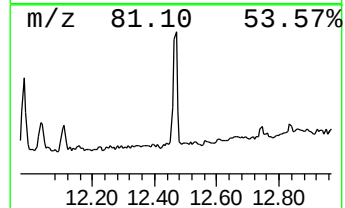
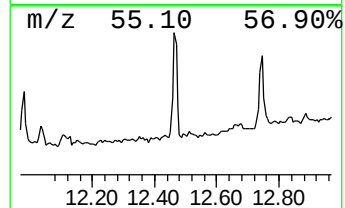
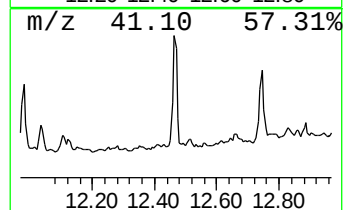
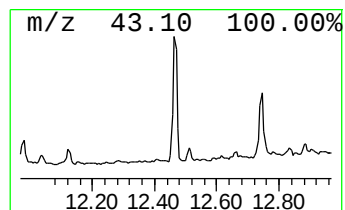
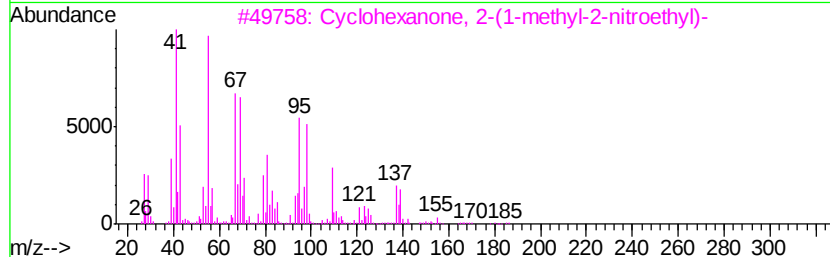
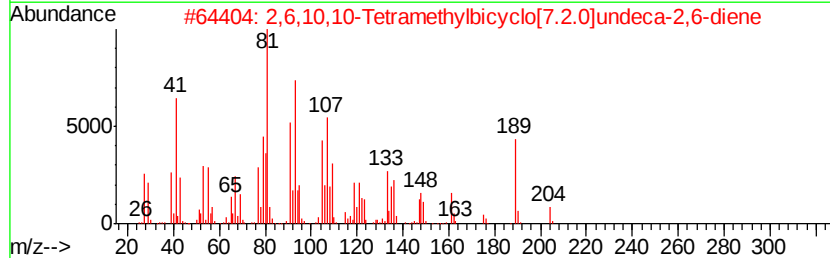
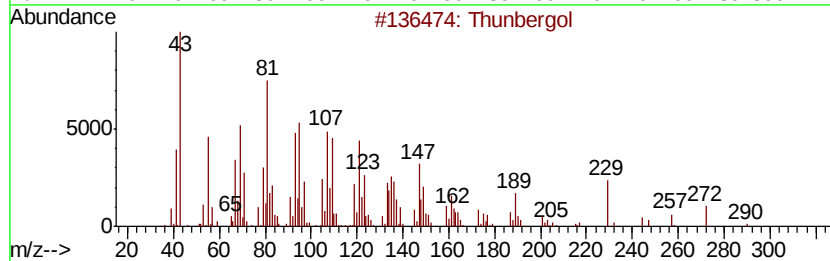
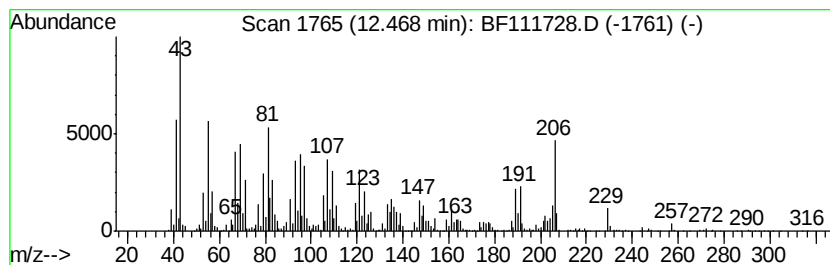
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Thunbergol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.47	31.56 ng	2047380	Phenanthrene-d10	11.42	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thunbergol	290	C20H34O	025269-17-4	90
2	2,6,10,10-Tetramethylbicyclo[7.2...	204	C15H24	136296-37-2	41
3	Cyclohexanone, 2-(1-methyl-2-nit...	185	C9H15NO3	019307-62-1	27
4	6-Nitroundec-5-ene	199	C11H21NO2	1000192-40-3	27
5	10-Methyl-E-11-tridece-1-ol acetate	254	C16H30O2	1000130-97-3	22



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
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Misc :
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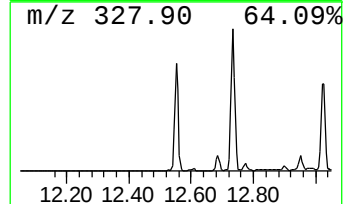
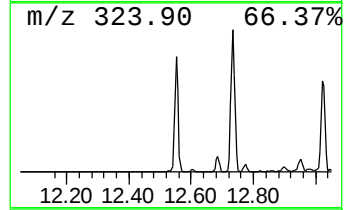
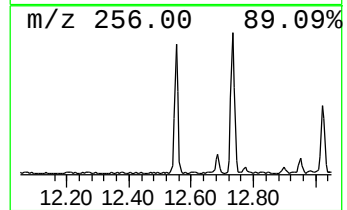
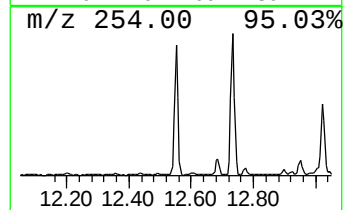
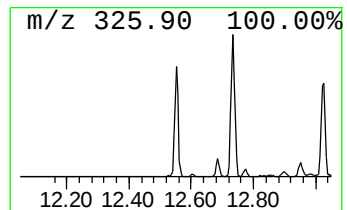
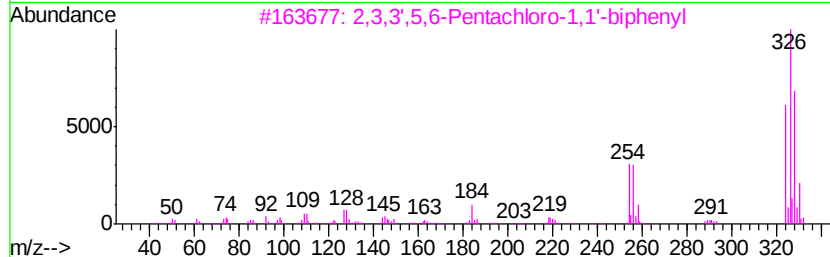
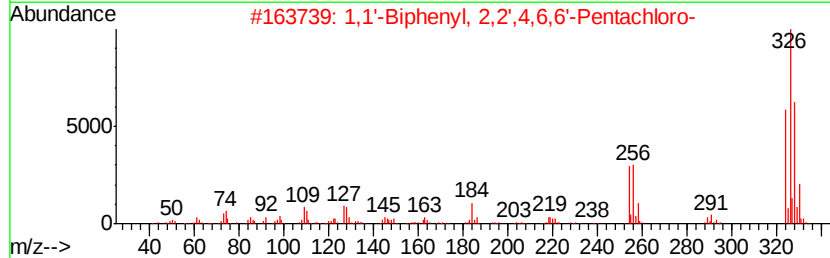
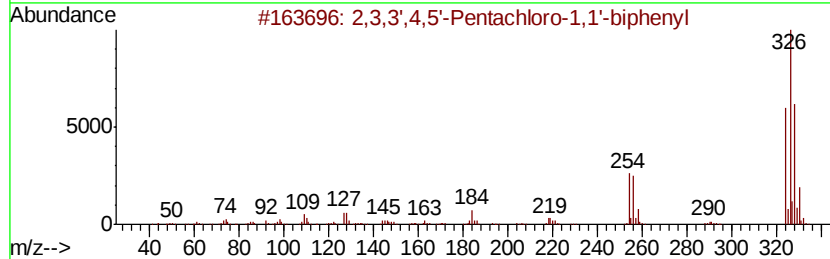
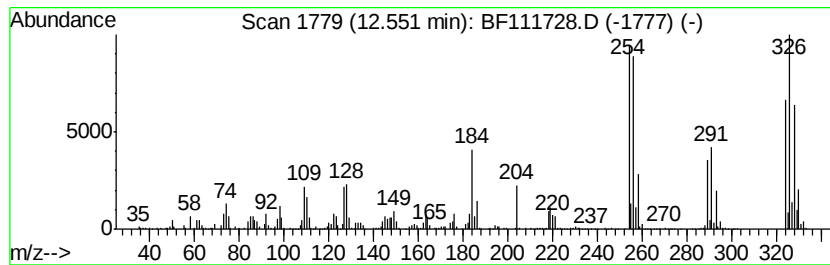
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 2,3,3',4,5'-Pentachloro-1,1... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.55	14.21 ng	921890	Phenanthrene-d10	11.42		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,3',4,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	070362-41-3	99	
2	1,1'-Biphenyl, 2,2',4,6,6'-Penta...	324	C12H5Cl5	056558-16-8	99	
3	2,3,3',5,6-Pentachloro-1,1'-biph...	324	C12H5Cl5	074472-36-9	99	
4	1,1'-Biphenyl, 2,3,4,4',5-Pentac...	324	C12H5Cl5	074472-37-0	98	
5	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	98	



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
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Operator : JU/SJ
Sample : J6386-20
Misc :
ALS Vial : 10 Sample Multiplier: 1

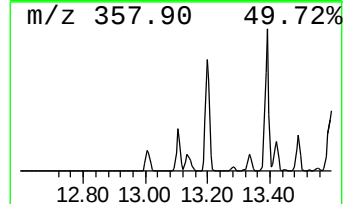
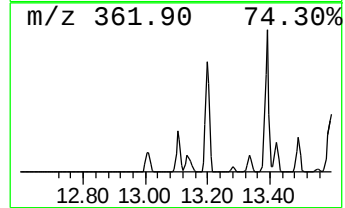
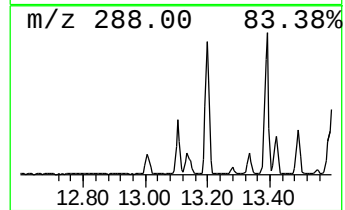
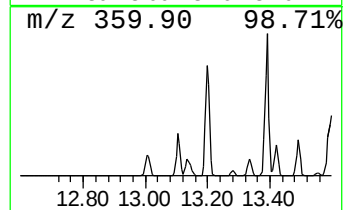
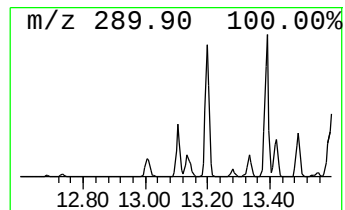
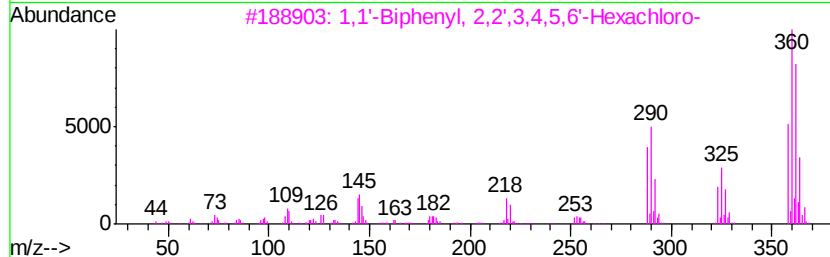
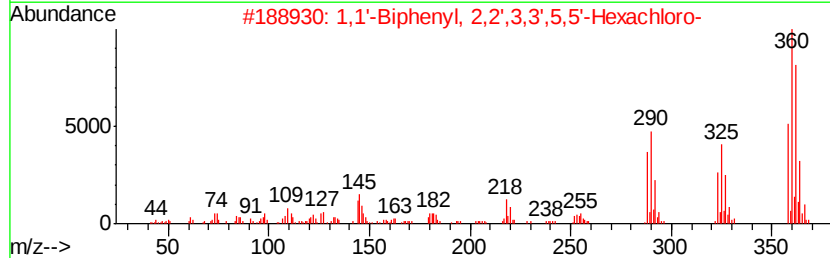
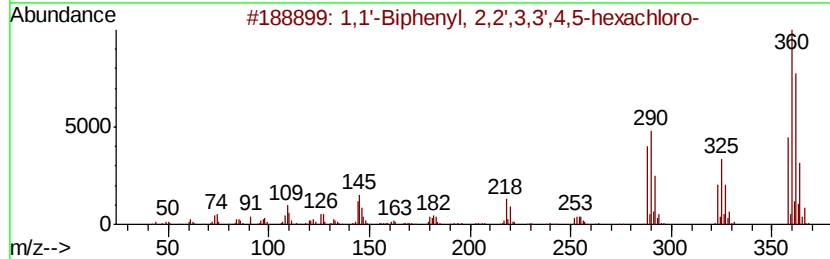
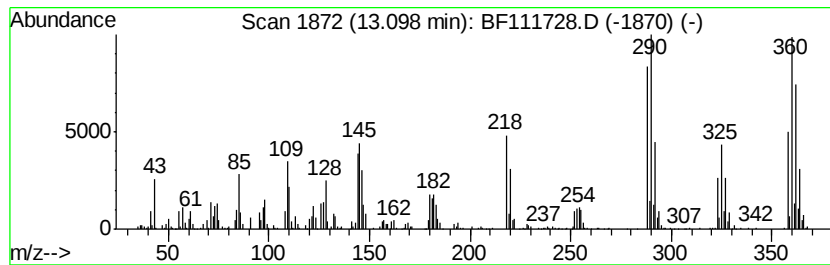
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.10	20.02 ng	1176420	Chrysene-d12	14.07	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,5-hex...	358	C12H4Cl6	055215-18-4	99
2	1,1'-Biphenyl, 2,2',3,3',5,5'-He...	358	C12H4Cl6	035694-04-3	99
3	1,1'-Biphenyl, 2,2',3,4,5,6'-Hex...	358	C12H4Cl6	068194-15-0	99
4	2,2',3,4',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	068194-13-8	99
5	1,1'-Biphenyl, 2,2',3,3',4,6-Hex...	358	C12H4Cl6	061798-70-7	99



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Sample : J6386-20
Misc :
ALS Vial : 10 Sample Multiplier: 1

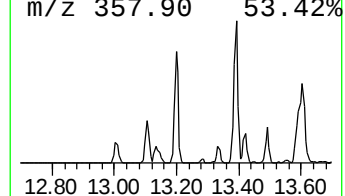
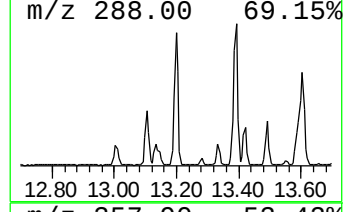
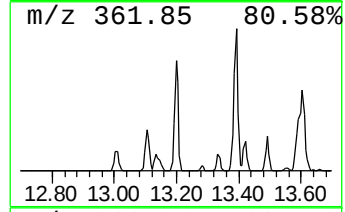
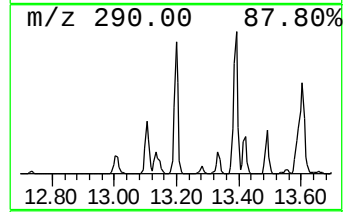
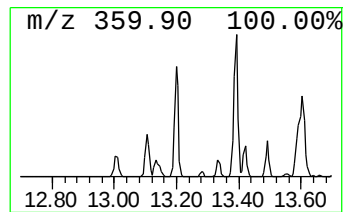
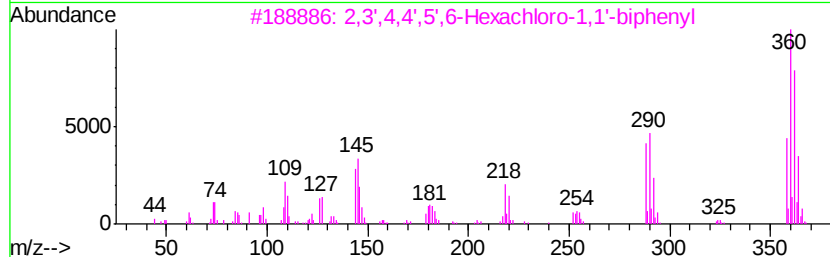
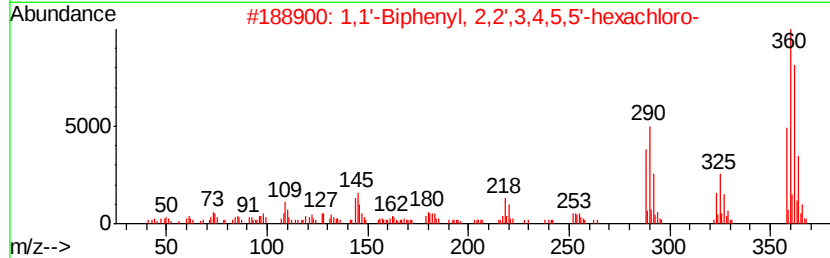
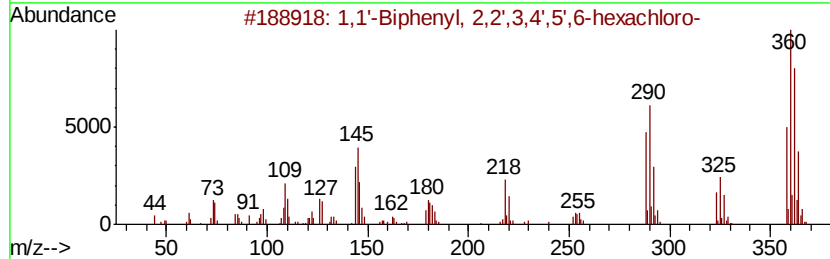
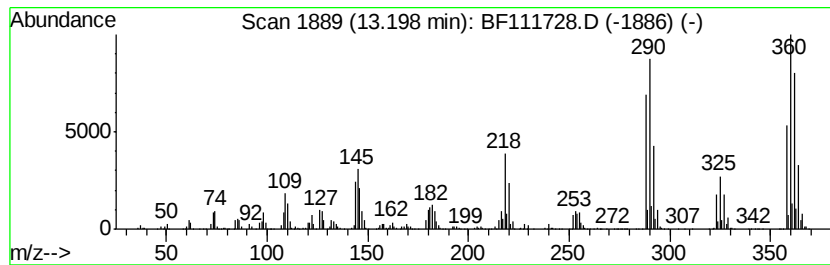
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 1,1'-Biphenyl, 2,2',3,4',5'... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.20	48.84 ng	2869840	Chrysene-d12	14.07	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	99
2	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99
3	2,3',4,4',5',6-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-65-5	99
4	1,1'-Biphenyl, 2,3,3',4,4',5'-he...	358	C12H4Cl6	069782-90-7	99
5	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	99



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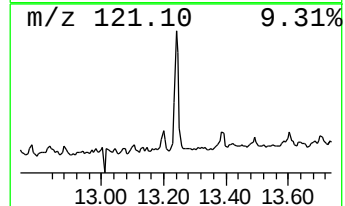
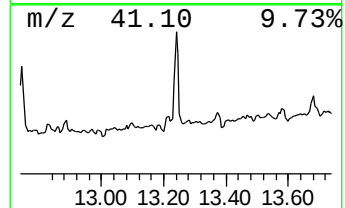
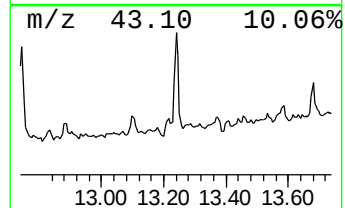
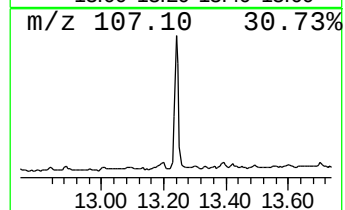
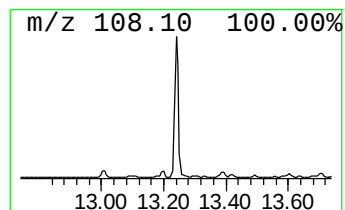
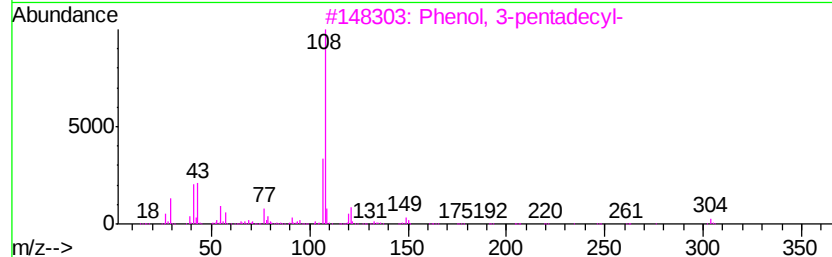
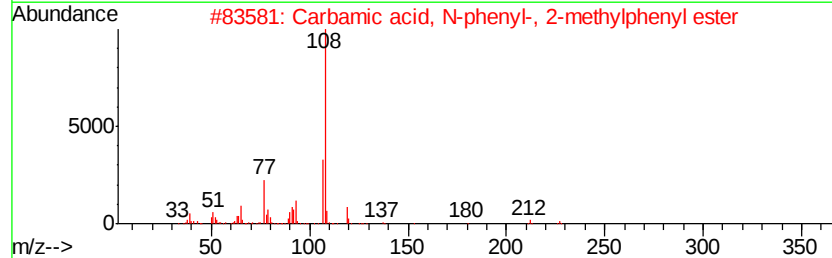
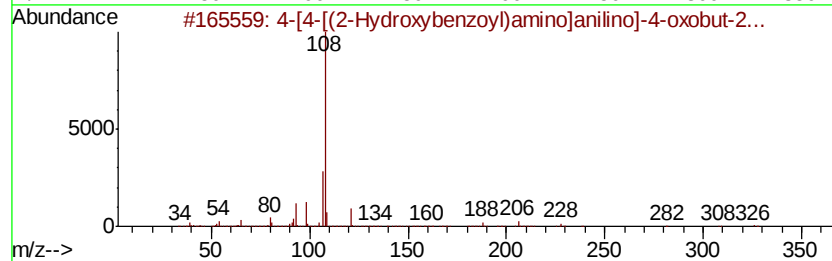
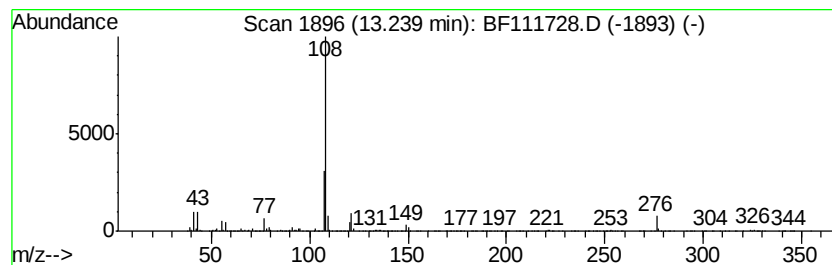
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 4-[4-[(2-Hydroxybenzoyl)ami... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.24	25.18 ng	1479680	Chrysene-d12	14.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-[4-[(2-Hydroxybenzoyl)aminolan...	326	C17H14N2O5	1000272-26-6	72
2		Carbamic acid, N-phenyl-, 2-meth...	227	C14H13NO2	018312-43-1	64
3		Phenol, 3-pentadecyl-	304	C21H36O	000501-24-6	49
4		6-Chlorohexanoic acid, 3-methylp...	240	C13H17ClO2	1000307-62-1	40
5		3-Amino-4-pyrazolecarbonitrile	108	C4H4N4	016617-46-2	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
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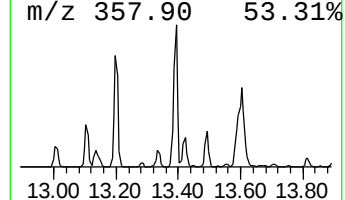
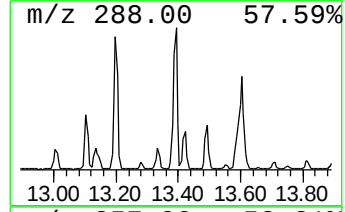
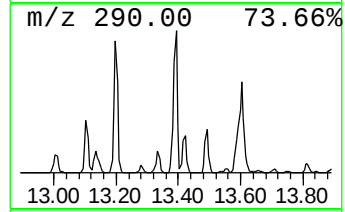
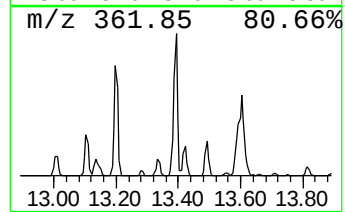
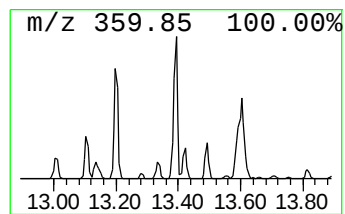
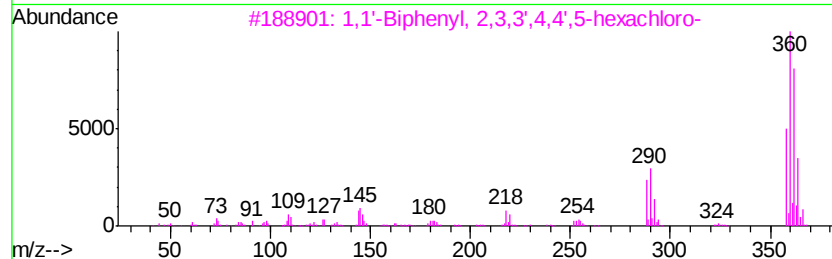
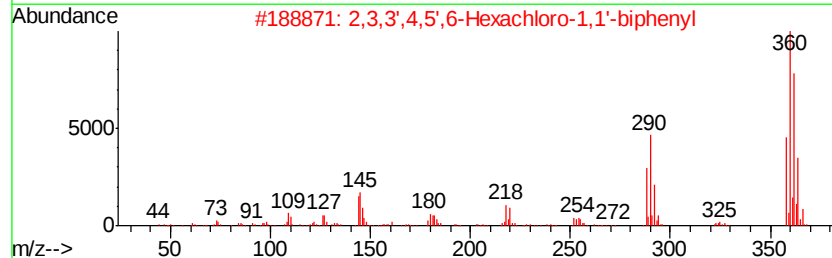
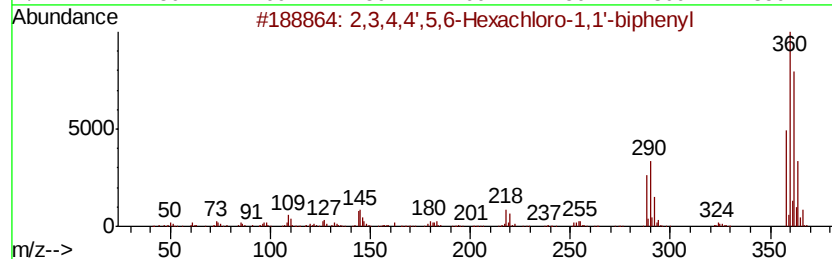
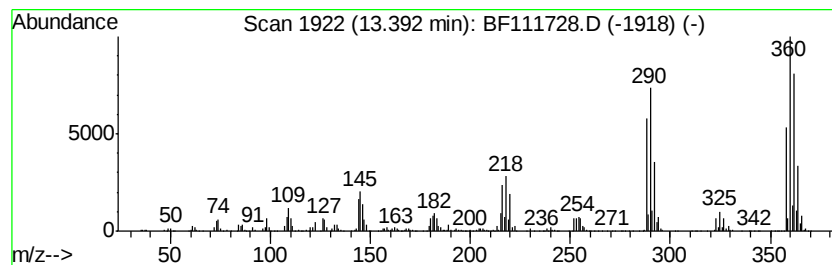
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 2,3,4,4',5,6-Hexachloro-1,1... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	54.58 ng	3207120	Chrysene-d12	14.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,3,4,4',5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-63-6	99
2		2,3,3',4,5',6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-43-8	99
3		1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
4		1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	99
5		2,3,3',4,5,5'-Hexachloro-1,1'-bi...	358	C12H4Cl6	039635-35-3	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
Data File : BF111728.D
Acq On : 26 Dec 2018 21:57
Operator : JU/SJ
Sample : J6386-20
Misc :
ALS Vial : 10 Sample Multiplier: 1

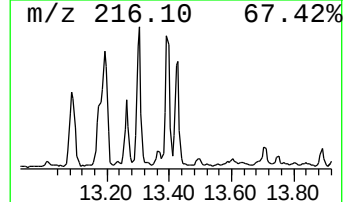
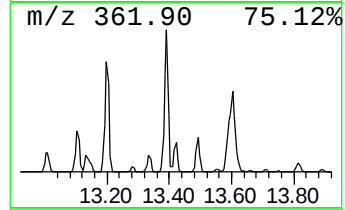
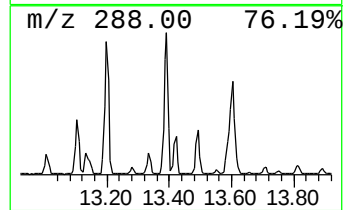
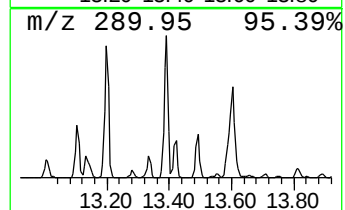
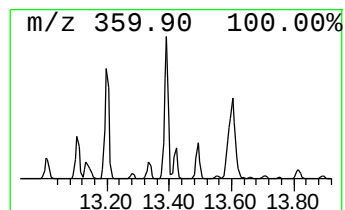
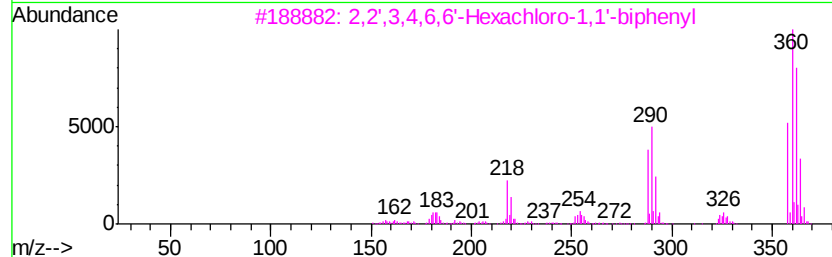
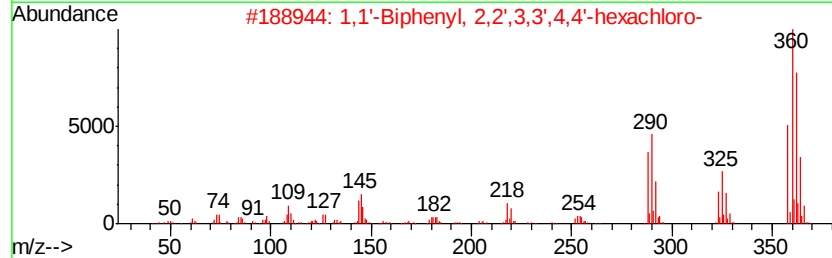
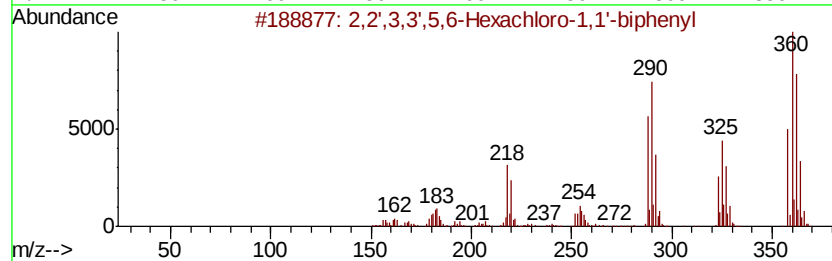
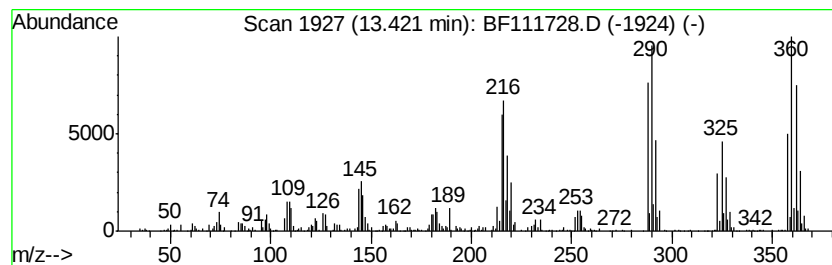
Instrument :
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ClientSampleId :
P001-SS008-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 2,2',3,3',5,6-Hexachloro-1,... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.42	15.86 ng	932078	Chrysene-d12	14.07		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,3',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	052704-70-8	99	
2	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	99	
3	2,2',3,4,6,6'-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-40-5	99	
4	2,3,3',4,5',6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-43-8	99	
5	1,1'-Biphenyl, 2,2',3,3',5,5'-He...	358	C12H4Cl6	035694-04-3	99	



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
Data File : BF111728.D
Acq On : 26 Dec 2018 21:57
Operator : JU/SJ
Sample : J6386-20
Misc :
ALS Vial : 10 Sample Multiplier: 1

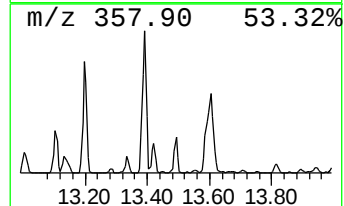
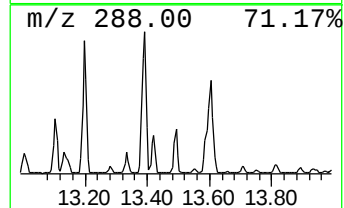
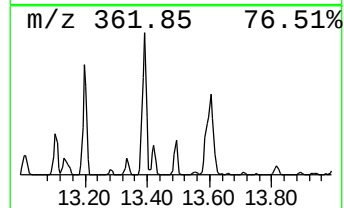
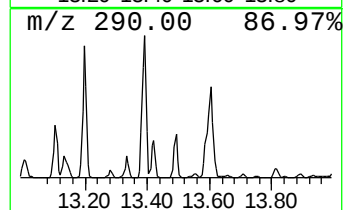
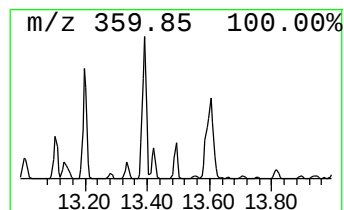
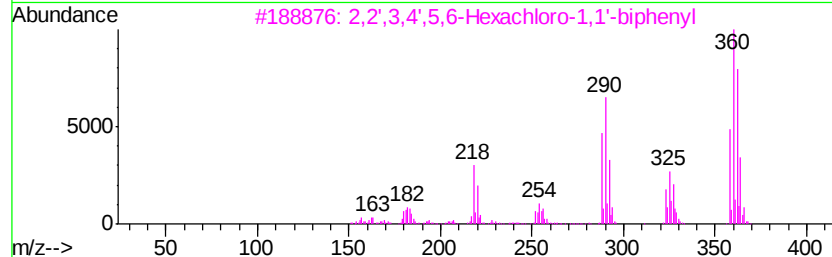
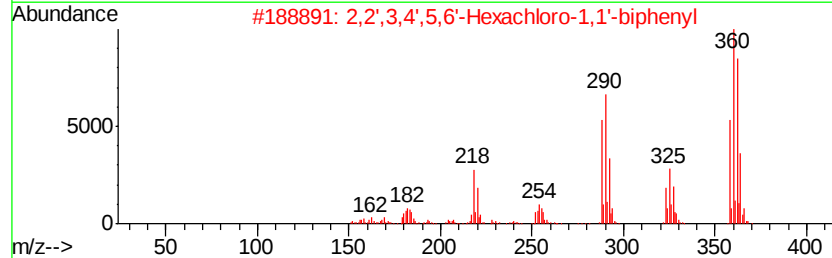
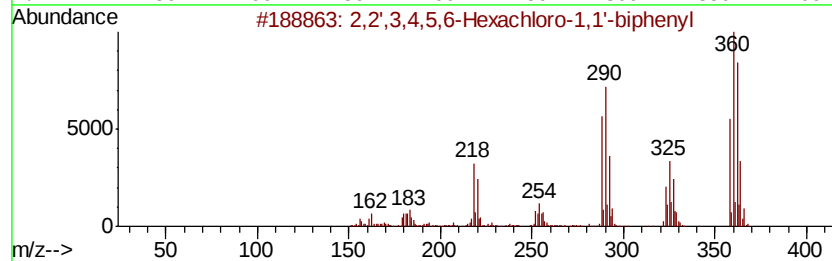
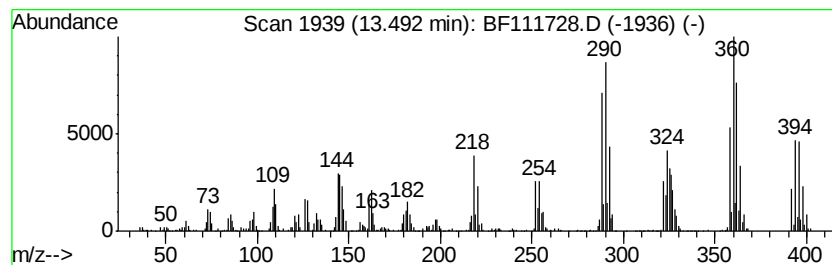
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ClientSampleId :
P001-SS008-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 2,2',3,4,5,6-Hexachloro-1,1... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.49	26.60 ng	1562700	Chrysene-d12	14.07		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,4,5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-61-4	99	
2	2,2',3,4',5,6'-Hexachloro-1,1'-b...	358	C12H4Cl6	074472-41-6	99	
3	2,2',3,4',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	068194-13-8	99	
4	2,2',3,4,5',6-Hexachloro-1,1'-bi...	358	C12H4Cl6	068194-14-9	99	
5	1,1'-Biphenyl, 2,2',3,3',4,5'-he...	358	C12H4Cl6	052663-66-8	99	



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
Data File : BF111728.D
Acq On : 26 Dec 2018 21:57
Operator : JU/SJ
Sample : J6386-20
Misc :
ALS Vial : 10 Sample Multiplier: 1

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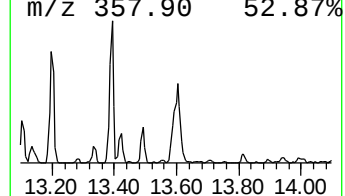
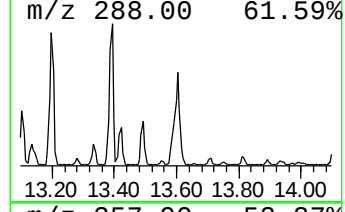
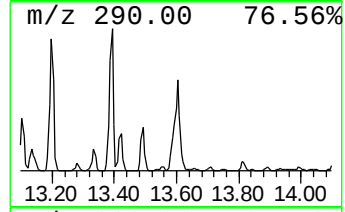
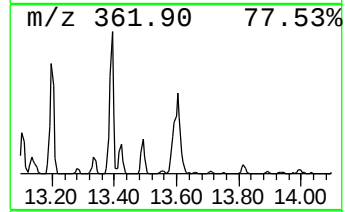
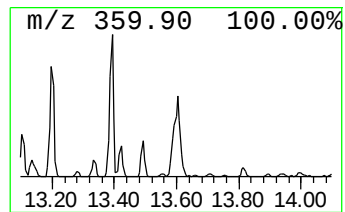
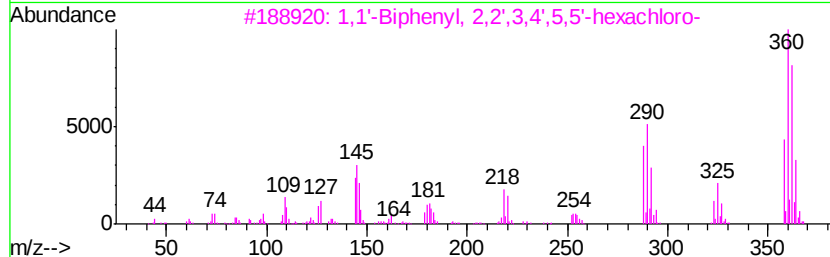
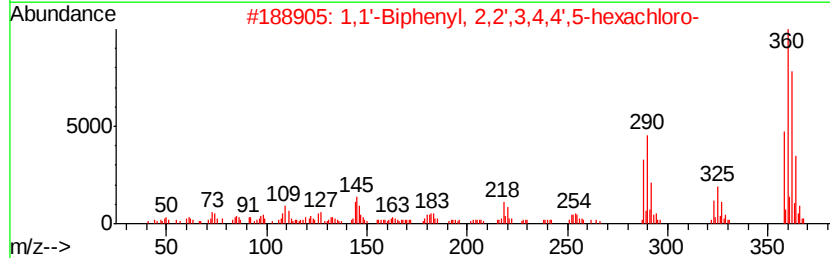
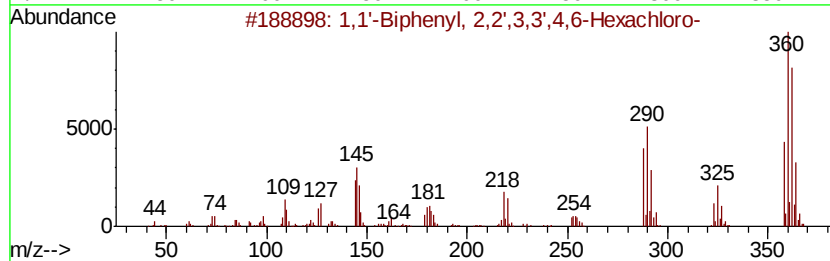
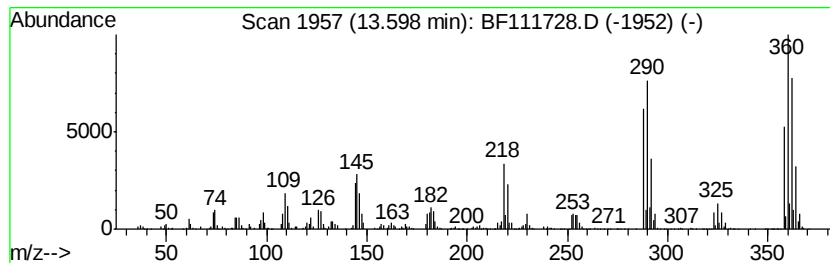
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.60	49.26 ng	2894660	Chrysene-d12	14.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',3,3',4,6-Hex...	358	C12H4Cl6	061798-70-7	99
2		1,1'-Biphenyl, 2,2',3,4,4',5-hex...	358	C12H4Cl6	035694-06-5	99
3		1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	99
4		2,3,4,4',5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-63-6	99
5		2,3,3',4',5,5'-Hexachloro-1,1'-b...	358	C12H4Cl6	039635-34-2	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
Data File : BF111728.D
Acq On : 26 Dec 2018 21:57
Operator : JU/SJ
Sample : J6386-20
Misc :
ALS Vial : 10 Sample Multiplier: 1

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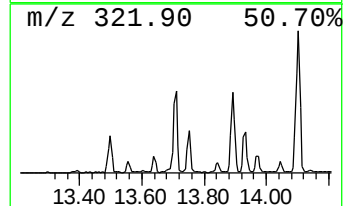
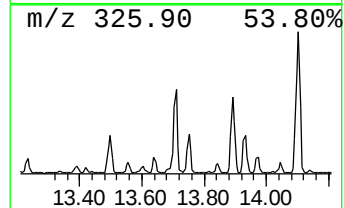
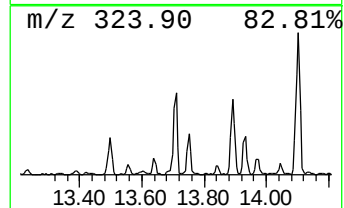
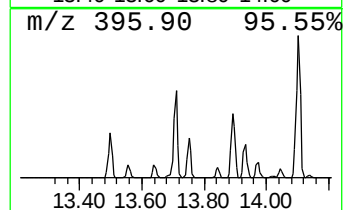
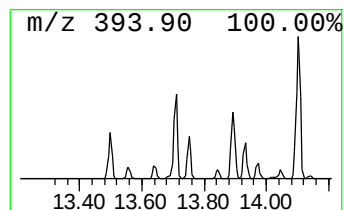
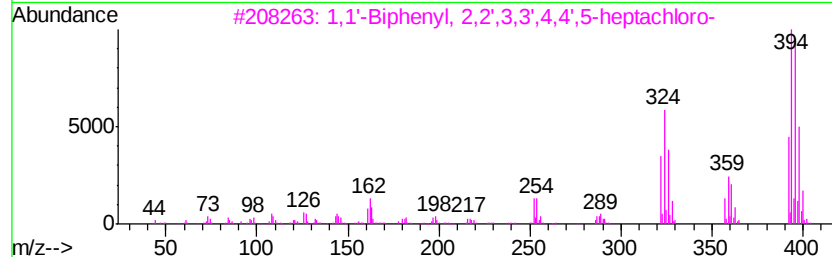
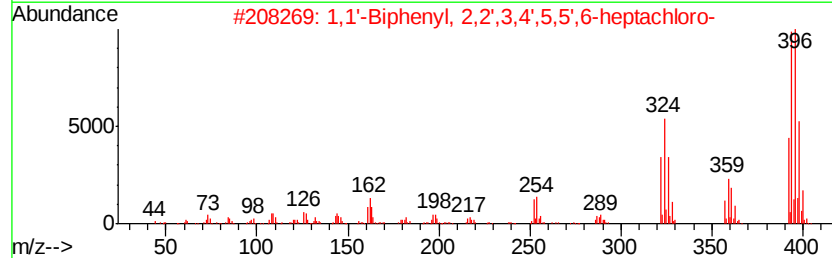
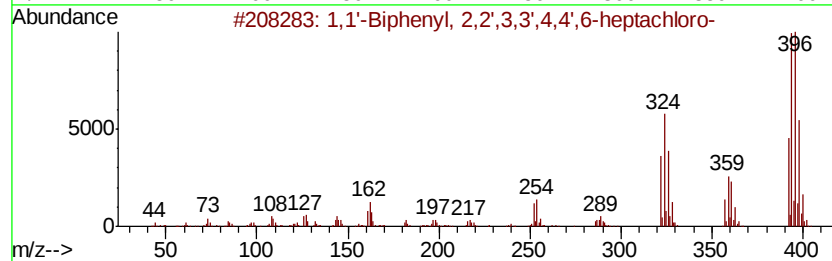
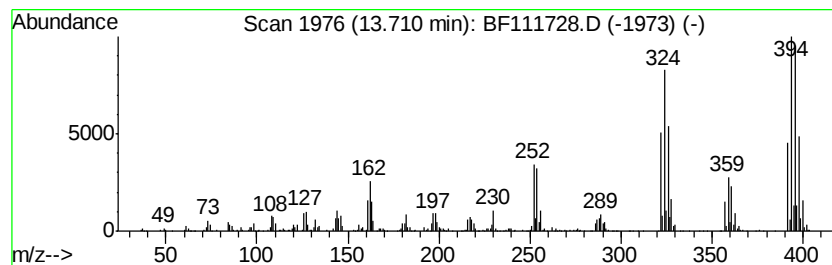
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.71	29.70 ng	1744930	Chrysene-d12	14.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',3,3',4,4',6-...	392	C12H3Cl7	052663-71-5	99
2		1,1'-Biphenyl, 2,2',3,4',5,5',6-...	392	C12H3Cl7	052663-68-0	99
3		1,1'-Biphenyl, 2,2',3,3',4,4',5-...	392	C12H3Cl7	035065-30-6	99
4		2,2',3,3',4,5',6-Heptachlorobiph...	392	C12H3Cl7	040186-70-7	99
5		1,1'-Biphenyl, 2,2',3,3',4,6,6'-...	392	C12H3Cl7	052663-65-7	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
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Operator : JU/SJ
Sample : J6386-20
Misc :
ALS Vial : 10 Sample Multiplier: 1

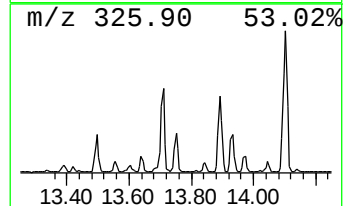
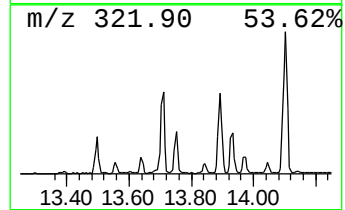
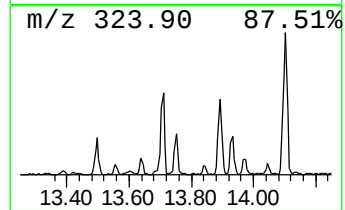
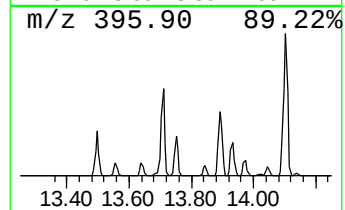
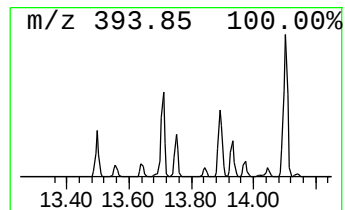
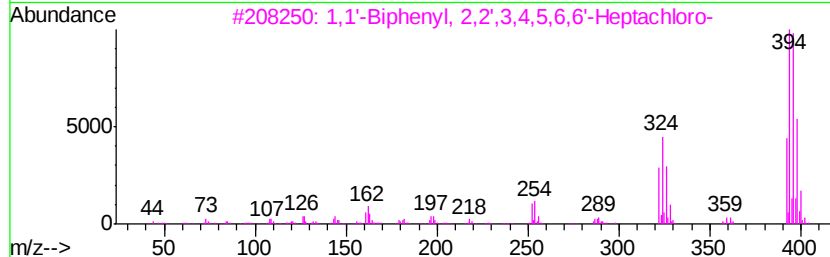
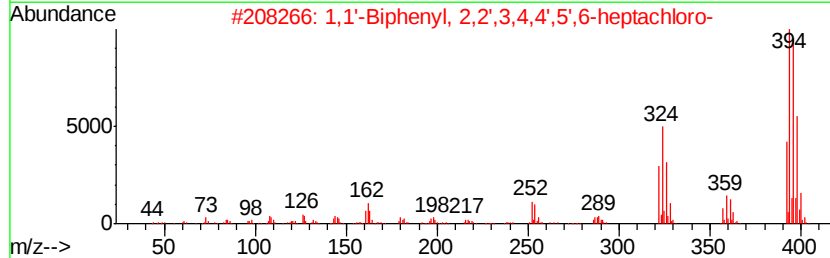
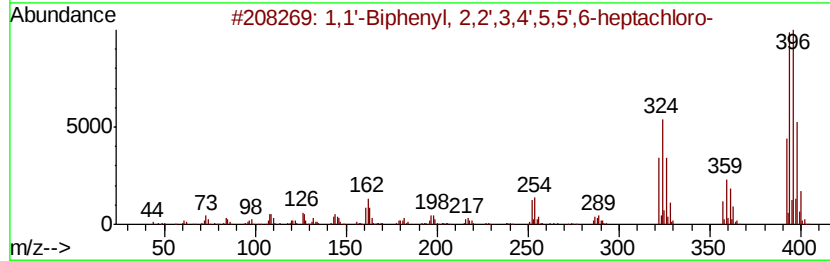
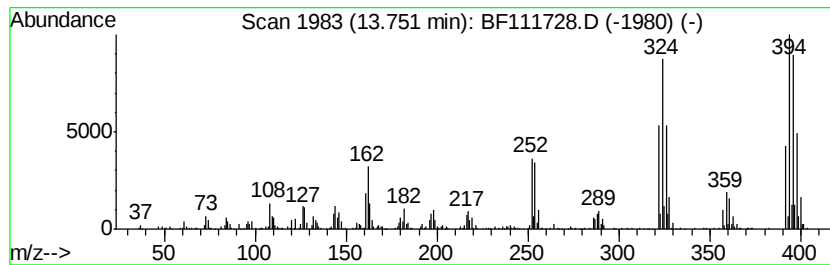
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 1,1'-Biphenyl, 2,2',3,4',5,... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.75	13.00 ng	763999	Chrysene-d12	14.07		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4',5,5',6-...	392	C12H3Cl7	052663-68-0	99	
2	1,1'-Biphenyl, 2,2',3,4,4',5',6-...	392	C12H3Cl7	052663-69-1	99	
3	1,1'-Biphenyl, 2,2',3,4,5,6,6'-H...	392	C12H3Cl7	074472-49-4	99	
4	2,2',3,3',4,5',6-Heptachlorobiph...	392	C12H3Cl7	040186-70-7	99	
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Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
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Sample : J6386-20
Misc :
ALS Vial : 10 Sample Multiplier: 1

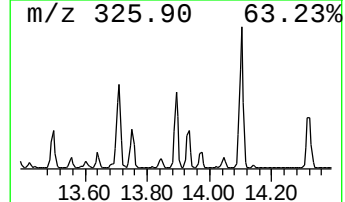
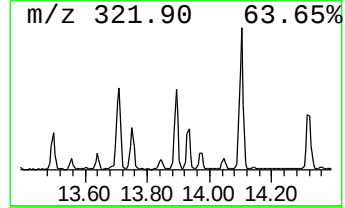
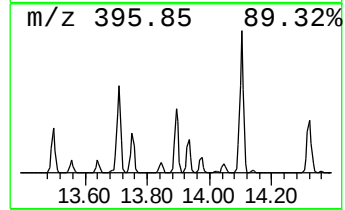
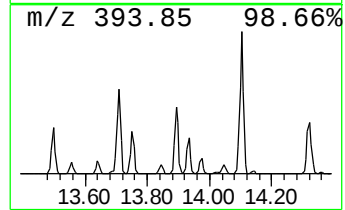
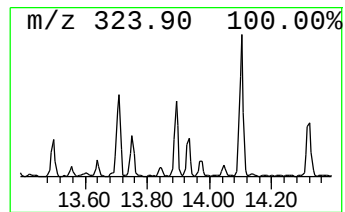
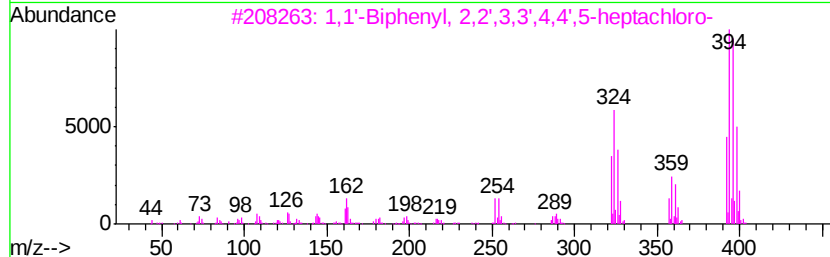
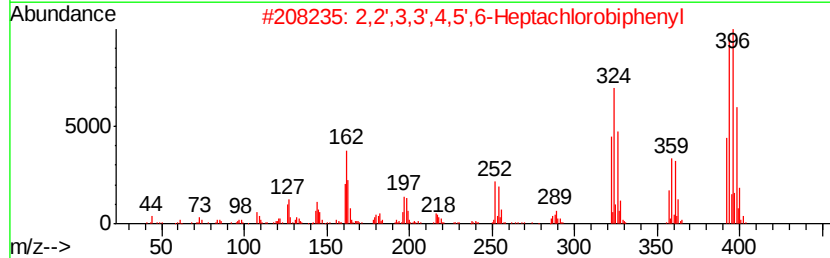
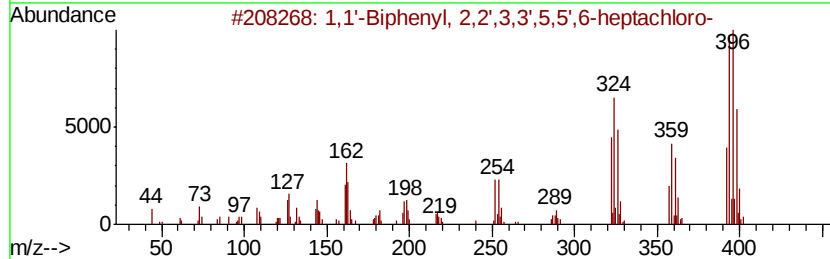
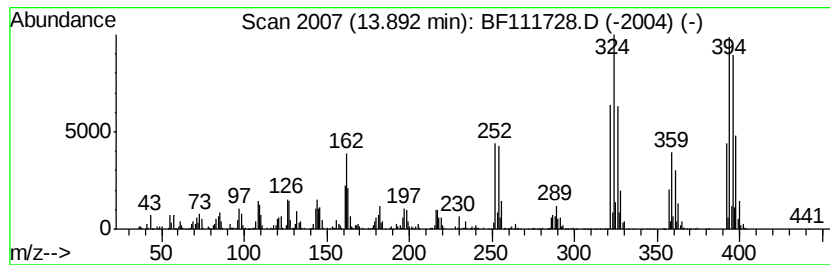
Instrument :
BNA_F
ClientSampleId :
P001-SS008-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 1,1'-Biphenyl, 2,2',3,3',5,... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.89	39.09 ng	2296950	Chrysene-d12	14.07	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',5,5',6-...	392	C12H3Cl7	052663-67-9	99
2	2,2',3,3',4,5',6-Heptachlorobiph...	392	C12H3Cl7	040186-70-7	99
3	1,1'-Biphenyl, 2,2',3,3',4,4',5-...	392	C12H3Cl7	035065-30-6	99
4	1,1'-Biphenyl, 2,2',3,3',4,4',6-...	392	C12H3Cl7	052663-71-5	99
5	1,1'-Biphenyl, 2,2',3,4',5,5',6-...	392	C12H3Cl7	052663-68-0	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
Data File : BF111728.D
Acq On : 26 Dec 2018 21:57
Operator : JU/SJ
Sample : J6386-20
Misc :
ALS Vial : 10 Sample Multiplier: 1

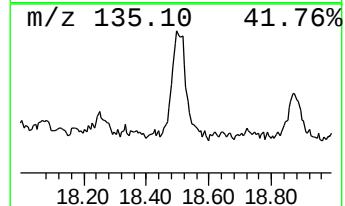
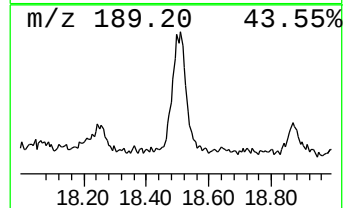
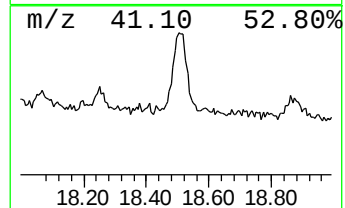
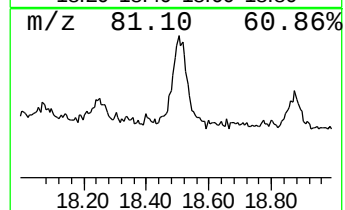
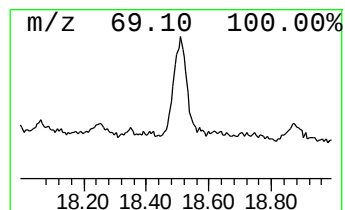
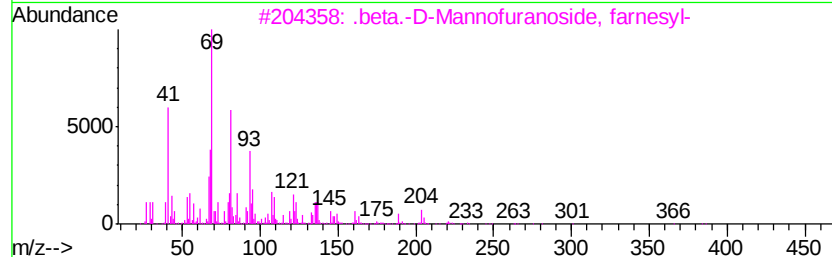
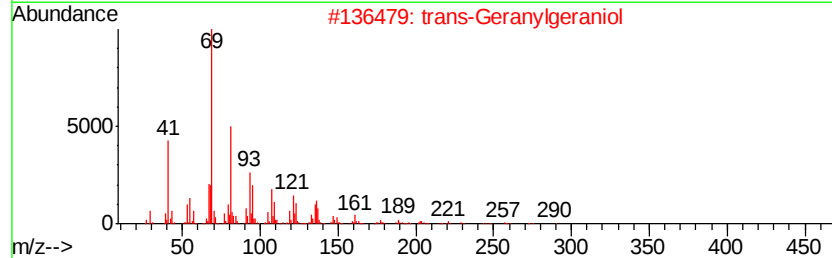
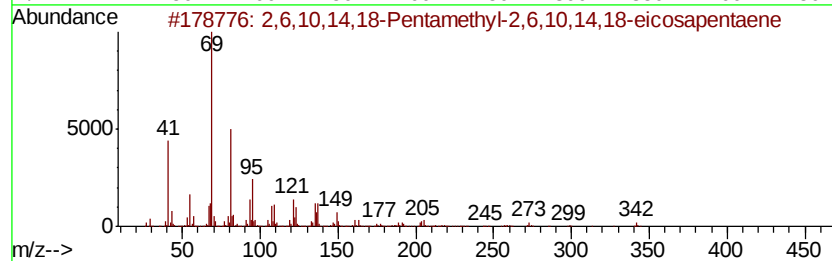
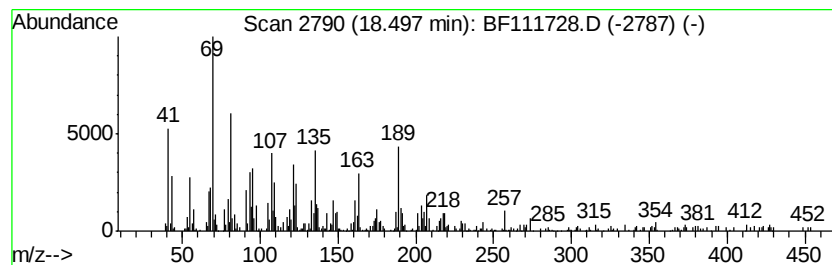
Instrument :
BNA_F
ClientSampleId :
P001-SS008-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 2,6,10,14,18-Pentamethyl-2,... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.50	35.60 ng	1198470	Perylene-d12	15.56	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6,10,14,18-Pentamethyl-2,6,10,...	342	C25H42	075581-03-2	78
2	trans-Geranylgeraniol	290	C20H34O	024034-73-9	53
3	.beta.-D-Mannofuranoside, farnesyl-	384	C21H36O6	1000155-15-5	50
4	2-Cyclohexene-1-carboxaldehyde, ...	220	C15H24O	056772-07-7	50
5	Tetracosapentaene, 2,6,10,15,19,...	412	C30H52	026266-08-0	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF122618\
 Data File : BF111728.D
 Acq On : 26 Dec 2018 21:57
 Operator : JU/SJ
 Sample : J6386-20
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS008-0612-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.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
unknown6.67	6.67	70.5	ng	4793200	1	6.90	1360410	20.0
n-Hexadecanoic acid	11.96	23.6	ng	1530890	4	11.42	1297510	20.0
1,3,6,10-Cyclotet...	11.98	14.0	ng	907231	4	11.42	1297510	20.0
Phenanthrene, 4-m...	12.03	13.9	ng	898618	4	11.42	1297510	20.0
Thunbergol	12.47	31.6	ng	2047380	4	11.42	1297510	20.0
2,3,3',4,5'-Penta...	12.55	14.2	ng	921890	4	11.42	1297510	20.0
1,1'-Biphenyl, 2,...	13.10	20.0	ng	1176420	5	14.07	1175140	20.0
1,1'-Biphenyl, 2,...	13.20	48.8	ng	2869840	5	14.07	1175140	20.0
4-[4-[(2-Hydroxyb...	13.24	25.2	ng	1479680	5	14.07	1175140	20.0
2,3,4,4',5,6-Hexa...	13.39	54.6	ng	3207120	5	14.07	1175140	20.0
2,2',3,3',5,6-Hex...	13.42	15.9	ng	932078	5	14.07	1175140	20.0
2,2',3,4,5,6-Hexa...	13.49	26.6	ng	1562700	5	14.07	1175140	20.0
1,1'-Biphenyl, 2,...	13.60	49.3	ng	2894660	5	14.07	1175140	20.0
1,1'-Biphenyl, 2,...	13.71	29.7	ng	1744930	5	14.07	1175140	20.0
1,1'-Biphenyl, 2,...	13.75	13.0	ng	763999	5	14.07	1175140	20.0
1,1'-Biphenyl, 2,...	13.89	39.1	ng	2296950	5	14.07	1175140	20.0
2,6,10,14,18-Pent...	18.50	35.6	ng	1198470	6	15.56	673281	20.0