

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
 Data File : BF111733.D
 Acq On : 27 Dec 2018 00:13
 Operator : JU/SJ
 Sample : J6388-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS009-1218-01

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	33	rVB	58154	90689	2.05%	0.155%
2	3.463	231	234	246	rBV	74205	134403	3.03%	0.229%
3	5.139	513	519	525	rBV	156153	214883	4.85%	0.366%
4	5.545	583	588	591	rBV	4236029	3992001	90.10%	6.807%
5	6.451	738	742	747	rBV	215218	182930	4.13%	0.312%
6	6.545	753	758	763	rBV2	3763989	4430712	100.00%	7.555%
7	6.681	776	781	784	rBV	4522735	4139923	93.44%	7.059%
8	6.904	815	819	824	rBV	1106927	879718	19.86%	1.500%
9	7.063	842	846	849	rBV	3862794	3229962	72.90%	5.508%
10	7.157	858	862	865	rBV	102327	86705	1.96%	0.148%
11	7.304	884	887	895	rVB	192897	177447	4.00%	0.303%
12	7.463	907	914	917	rBV	2799519	2586744	58.38%	4.411%
13	7.839	971	978	982	rBV	75075	79675	1.80%	0.136%
14	7.886	982	986	993	rBV2	34035	47168	1.06%	0.080%
15	8.127	1023	1027	1031	rBV	172107	147573	3.33%	0.252%
16	8.186	1033	1037	1040	rBV	1226956	976537	22.04%	1.665%
17	8.351	1059	1065	1068	rBV2	47422	46967	1.06%	0.080%
18	8.904	1156	1159	1162	rBV2	73690	72395	1.63%	0.123%
19	8.939	1162	1165	1172	rVB2	64019	70820	1.60%	0.121%
20	9.116	1192	1195	1197	rBV2	46785	48479	1.09%	0.083%
21	9.139	1197	1199	1204	rVB	88727	87191	1.97%	0.149%
22	9.263	1215	1220	1223	rBV	3987913	3815012	86.10%	6.505%
23	9.351	1230	1235	1238	rBV3	149546	154495	3.49%	0.263%
24	9.651	1282	1286	1290	rBV	527432	477634	10.78%	0.814%
25	9.939	1331	1335	1339	rVB	1118722	978948	22.09%	1.669%
26	10.104	1359	1363	1366	rBV	68687	68138	1.54%	0.116%
27	10.727	1465	1469	1473	rBV	2738954	2523132	56.95%	4.302%
28	10.845	1486	1489	1494	rBV	73791	106422	2.40%	0.181%
29	11.139	1535	1539	1546	rVB	190638	232385	5.24%	0.396%
30	11.427	1584	1588	1591	rBV	1147166	936451	21.14%	1.597%
31	11.510	1599	1602	1604	rBV3	43170	56505	1.28%	0.096%
32	11.539	1604	1607	1610	rVB2	73489	72273	1.63%	0.123%
33	11.951	1674	1677	1680	rBV	308616	265231	5.99%	0.452%
34	12.039	1690	1692	1696	rVB2	102163	87690	1.98%	0.150%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.551	1776	1779	1783	rVB	779095	725944	16.38%	1.238%
36	12.686	1800	1802	1806	rVB	119719	104982	2.37%	0.179%
37	12.739	1807	1811	1814	rBV	998077	1002210	22.62%	1.709%
38	12.774	1815	1817	1820	rVB2	92418	77313	1.74%	0.132%
39	12.886	1834	1836	1838	rBV	137005	121290	2.74%	0.207%
40	12.951	1845	1847	1850	rVB2	143240	104678	2.36%	0.178%
41	13.010	1853	1857	1863	rVB	4025659	4015445	90.63%	6.847%
42	13.104	1870	1873	1876	rBV	962017	893780	20.17%	1.524%
43	13.133	1876	1878	1885	rVB2	408042	529555	11.95%	0.903%
44	13.198	1886	1889	1893	rBV	2507555	2225643	50.23%	3.795%
45	13.233	1893	1895	1899	rBV2	187082	206845	4.67%	0.353%
46	13.280	1901	1903	1907	rBV3	124682	102775	2.32%	0.175%
47	13.333	1910	1912	1916	rVB	328184	279784	6.31%	0.477%
48	13.392	1918	1922	1924	rBV	2741369	2357803	53.21%	4.021%
49	13.421	1924	1927	1930	rVB	657949	519497	11.72%	0.886%
50	13.492	1936	1939	1945	rVB2	1179701	1190031	26.86%	2.029%
51	13.557	1947	1950	1952	rBV2	249094	216726	4.89%	0.370%
52	13.604	1952	1958	1962	rBV	1655923	2192218	49.48%	3.738%
53	13.639	1962	1964	1966	rVV	226135	159352	3.60%	0.272%
54	13.709	1972	1976	1979	rVB	1421356	1251394	28.24%	2.134%
55	13.751	1980	1983	1986	rBV	695721	586005	13.23%	0.999%
56	13.815	1992	1994	1996	rVB	178386	134169	3.03%	0.229%
57	13.892	2004	2007	2012	rBV3	1304539	1349878	30.47%	2.302%
58	13.933	2012	2014	2018	rVB2	707125	578995	13.07%	0.987%
59	13.974	2018	2021	2023	rBV	257787	260919	5.89%	0.445%
60	14.045	2031	2033	2034	rBV	232000	175151	3.95%	0.299%
61	14.068	2034	2037	2039	rVV	982665	835554	18.86%	1.425%
62	14.104	2039	2043	2046	rVB	2307015	2065145	46.61%	3.521%
63	14.315	2076	2079	2083	rBV	932275	982794	22.18%	1.676%
64	14.362	2084	2087	2092	rVV3	456168	545128	12.30%	0.930%
65	14.409	2092	2095	2098	rVB	420153	371422	8.38%	0.633%
66	14.533	2114	2116	2119	rBV	324230	255288	5.76%	0.435%
67	14.780	2156	2158	2161	rVB	326660	268897	6.07%	0.459%
68	15.551	2286	2289	2292	rBV	413919	460449	10.39%	0.785%

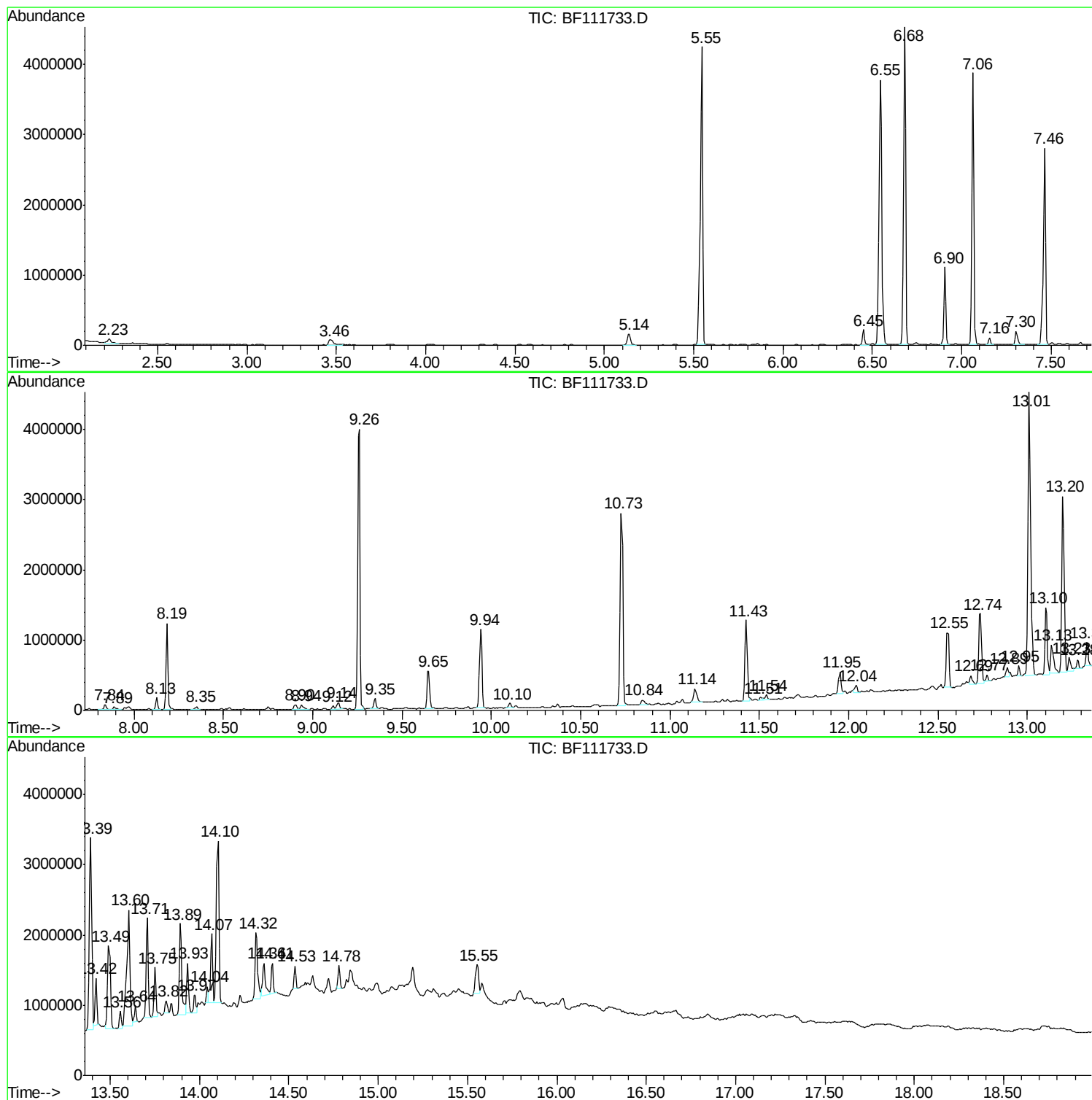
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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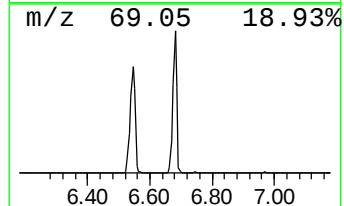
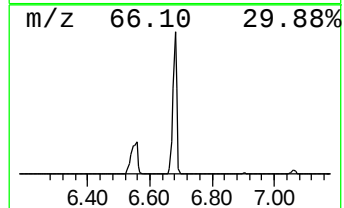
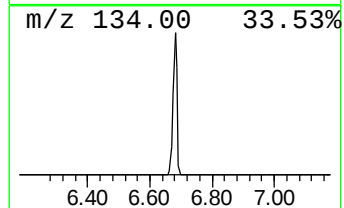
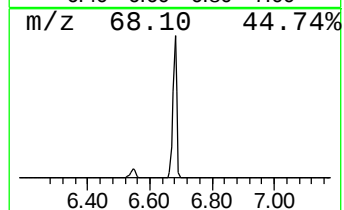
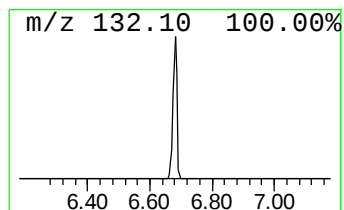
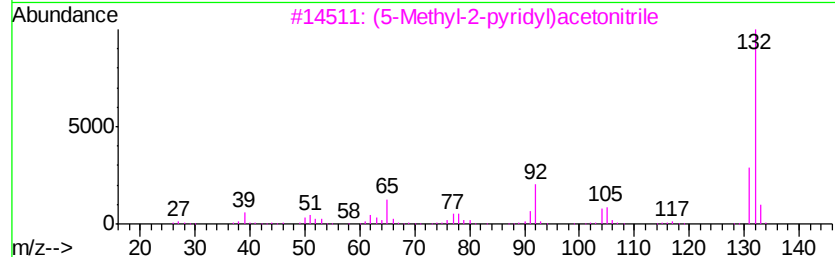
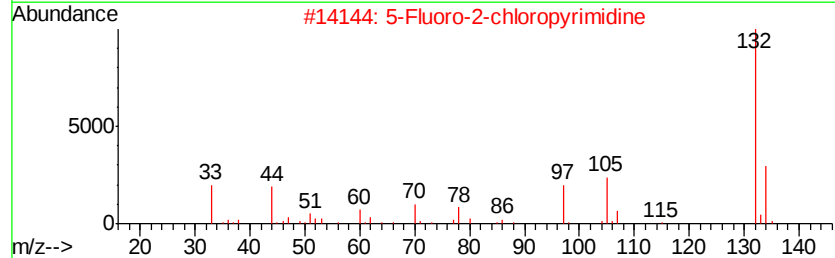
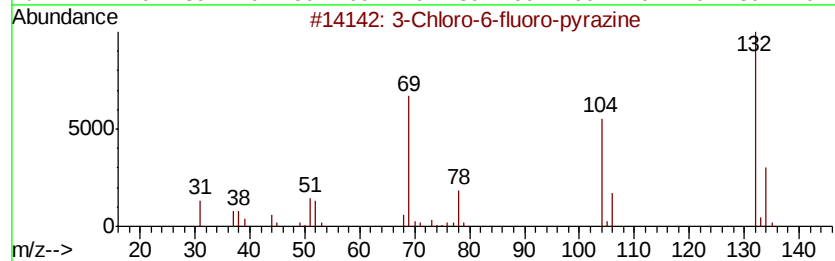
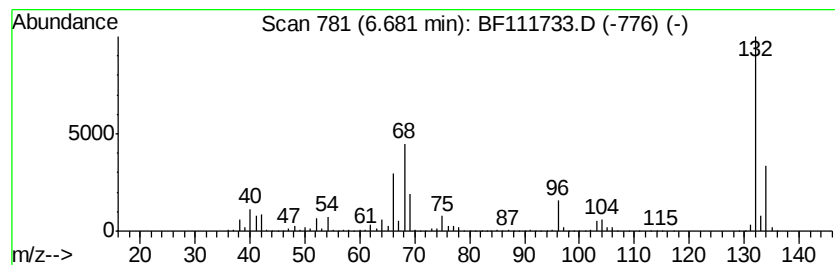
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.68 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	94.12 ng	4139920	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	16
3		(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	10
4		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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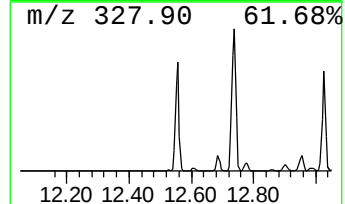
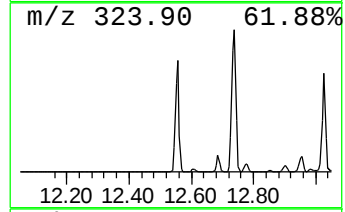
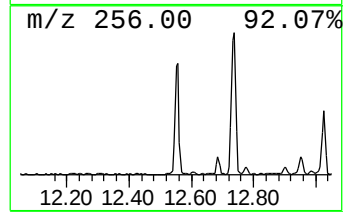
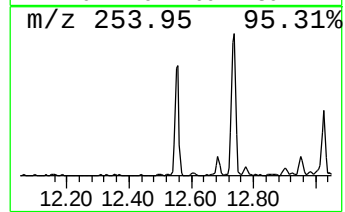
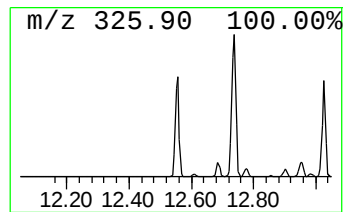
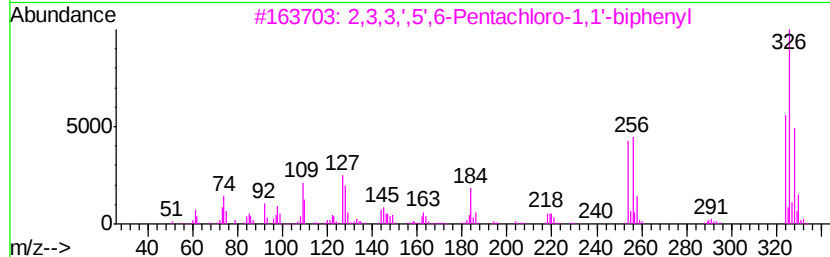
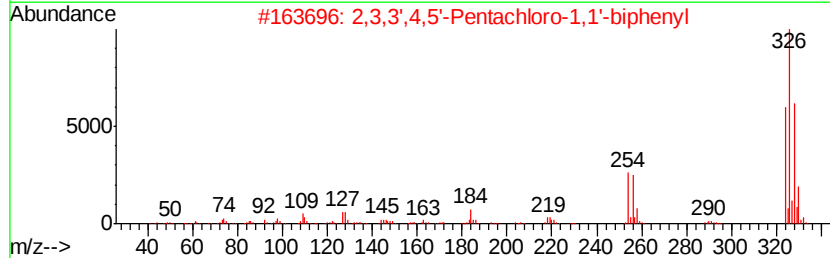
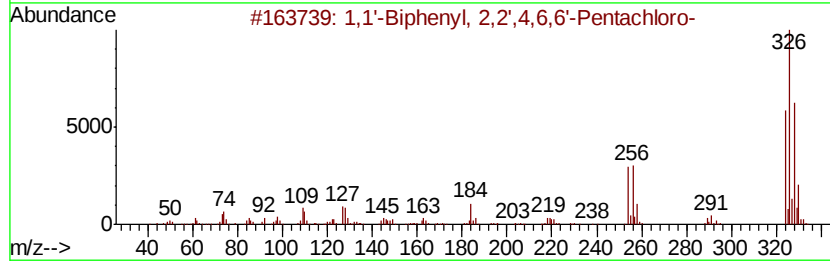
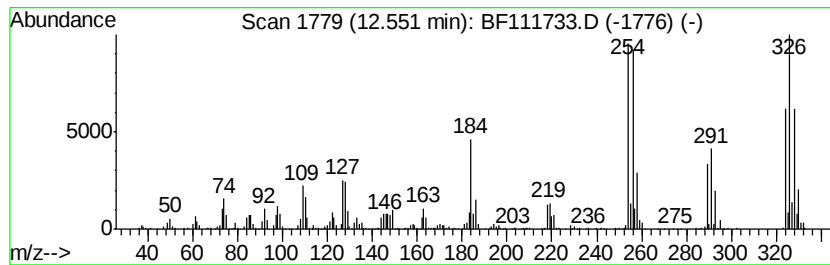
Instrument :
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.55	15.50 ng	725944	Phenanthrene-d10	11.43	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,6,6'-Penta...	324	C12H5Cl5	056558-16-8	98
2	2,3,3',4,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	070362-41-3	98
3	2,3,3',5',6-Pentachloro-1,1'-bi...	324	C12H5Cl5	068194-10-5	97
4	2,3,3',4',5-Pentachloro-1,1'-bip...	324	C12H5Cl5	070424-68-9	97
5	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	97



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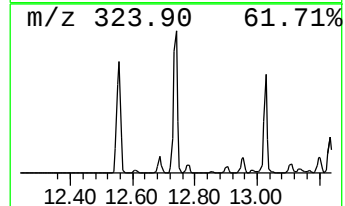
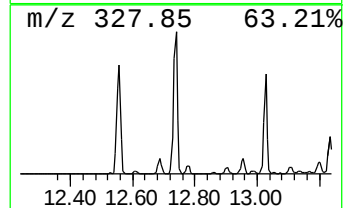
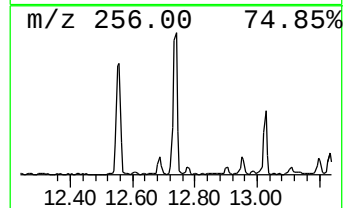
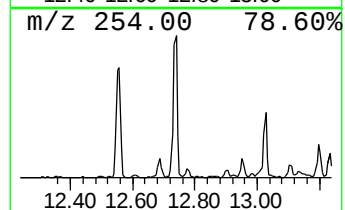
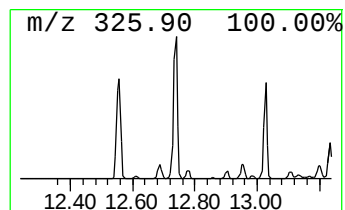
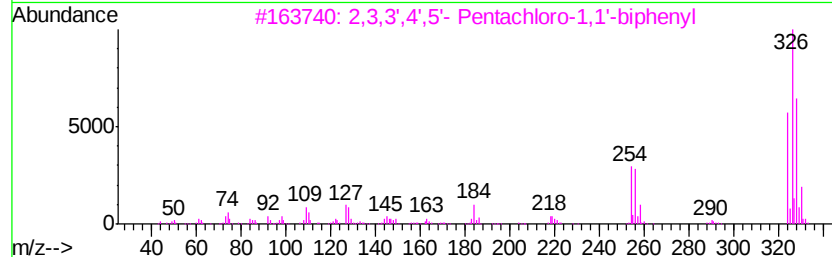
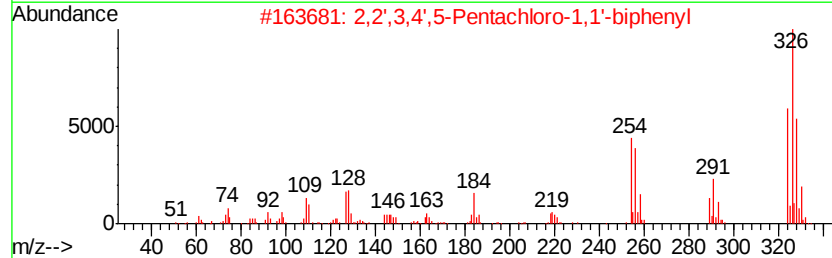
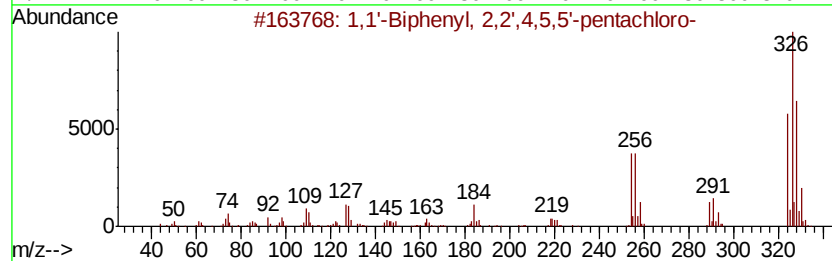
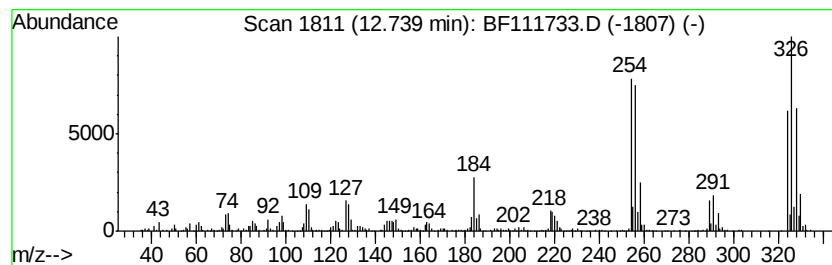
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 4 1,1'-Biphenyl, 2,2',4,5,5'-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.74	21.40 ng	1002210	Phenanthrene-d10	11.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	99
2		2,2',3,4',5-Pentachloro-1,1'-bip...	324	C12H5Cl5	068194-07-0	99
3		2,3,3',4',5'- Pentachloro-1,1'-b...	324	C12H5Cl5	076842-07-4	99
4		1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
5		2,3,3',4,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	070362-41-3	99



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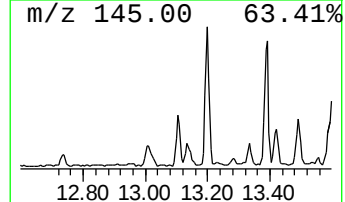
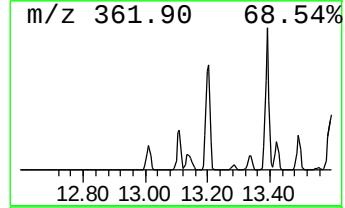
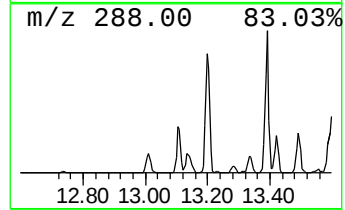
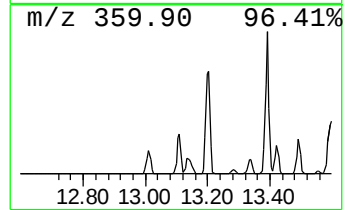
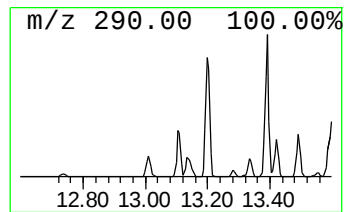
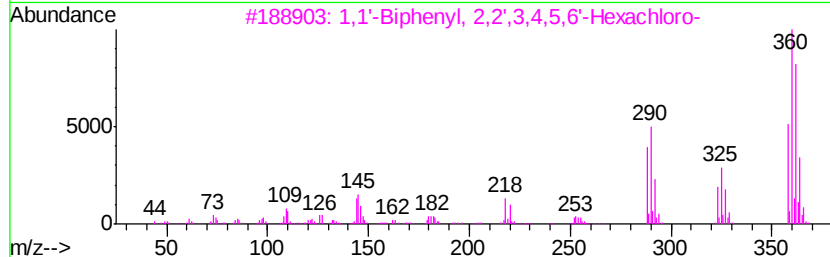
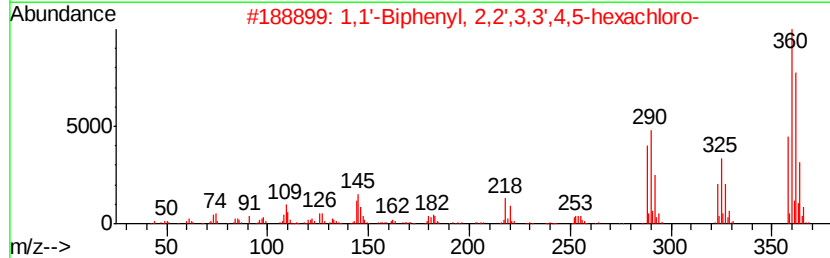
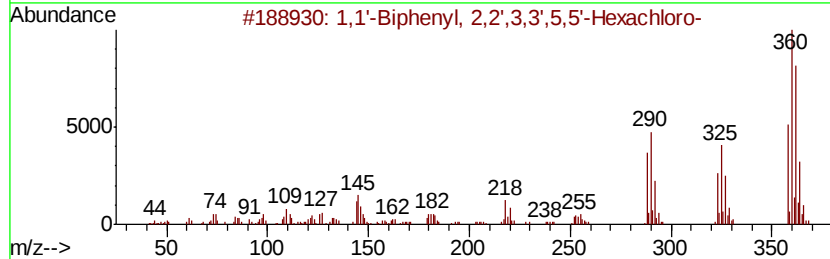
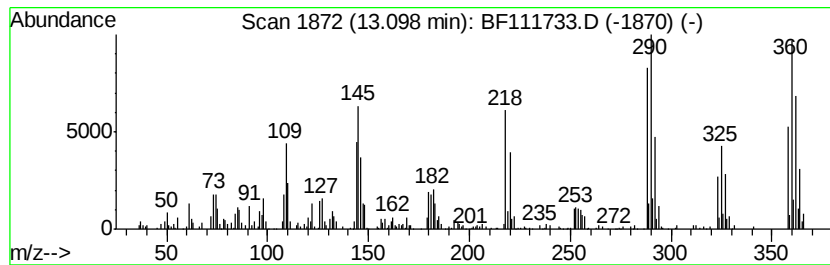
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TIC Integration Parameters: LSCINT.P

Peak Number 5 1,1'-Biphenyl, 2,2',3,3',5,... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.10	21.39 ng	893780	Chrysene-d12	14.07	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',5,5'-He...	358	C12H4Cl6	035694-04-3	99
2	1,1'-Biphenyl, 2,2',3,3',4,5-hex...	358	C12H4Cl6	055215-18-4	99
3	1,1'-Biphenyl, 2,2',3,4,5,6'-Hex...	358	C12H4Cl6	068194-15-0	99
4	2,2',3,4,4',6'-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-64-4	99
5	2,2',3,4',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	068194-13-8	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
Data File : BF111733.D
Acq On : 27 Dec 2018 00:13
Operator : JU/SJ
Sample : J6388-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-SS009-1218-01

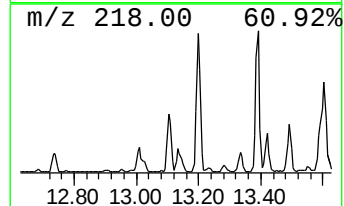
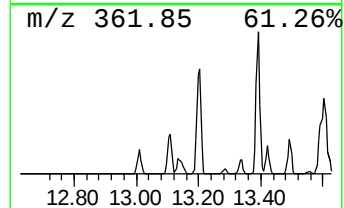
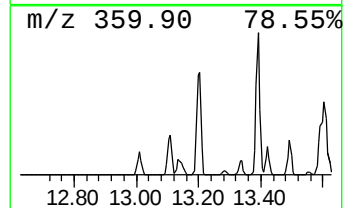
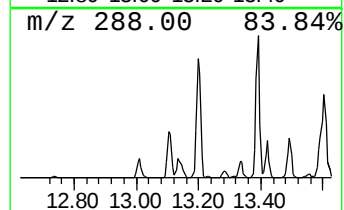
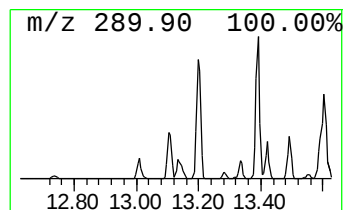
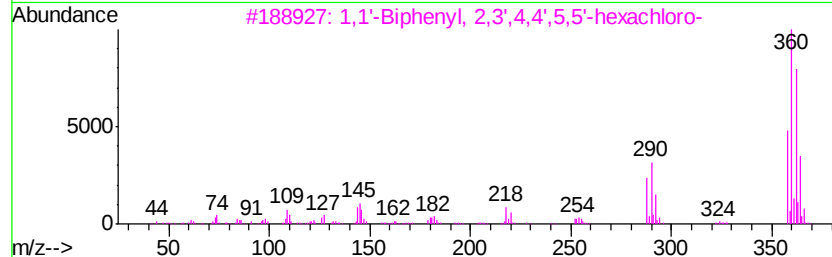
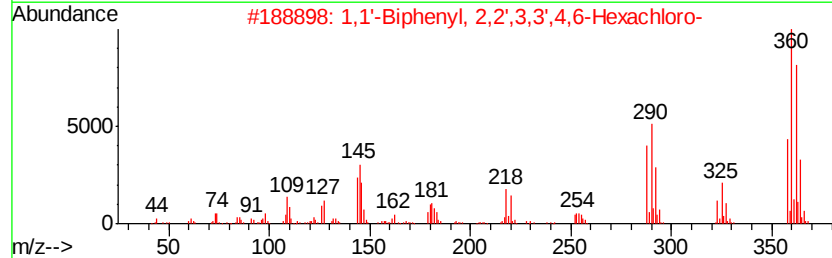
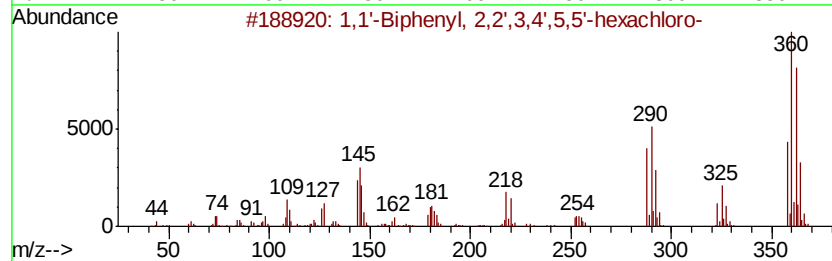
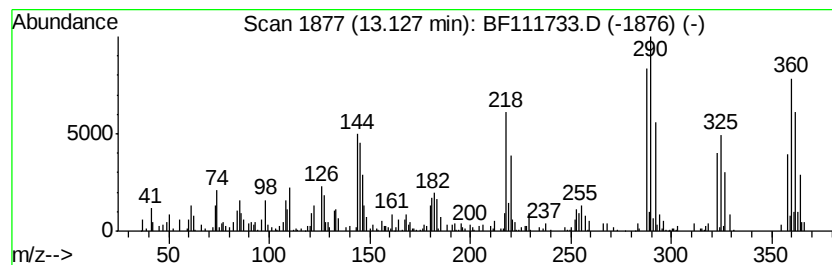
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1,1'-Biphenyl, 2,2',3,4',5,... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	12.68 ng	529555	Chrysene-d12	14.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	99
2		1,1'-Biphenyl, 2,2',3,3',4,6-Hex...	358	C12H4Cl6	061798-70-7	99
3		1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	99
4		2,3,3',4,5,5'-Hexachloro-1,1'-bi...	358	C12H4Cl6	039635-35-3	99
5		2,3,3',4,5',6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-43-8	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
Data File : BF111733.D
Acq On : 27 Dec 2018 00:13
Operator : JU/SJ
Sample : J6388-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-SS009-1218-01

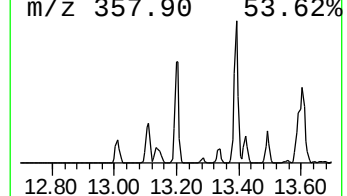
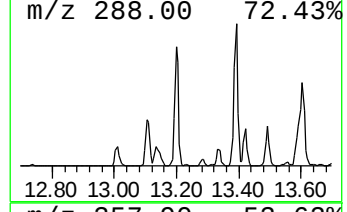
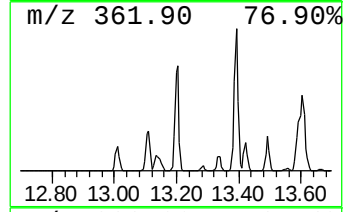
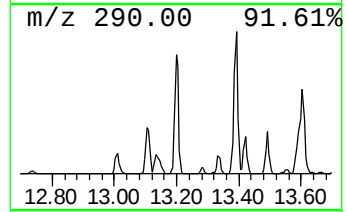
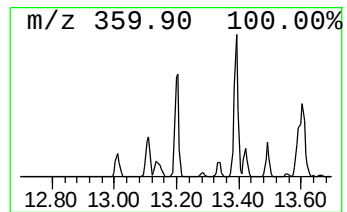
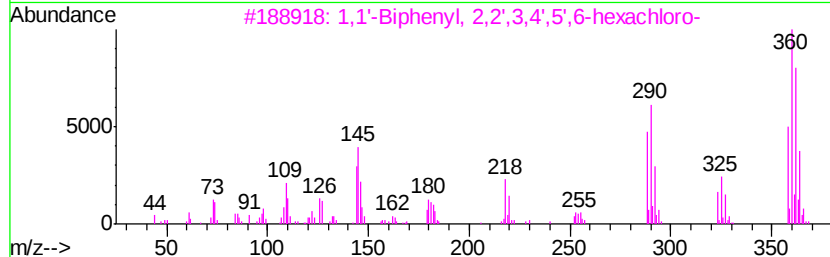
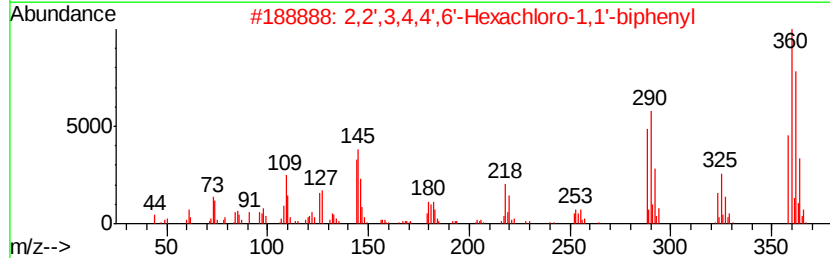
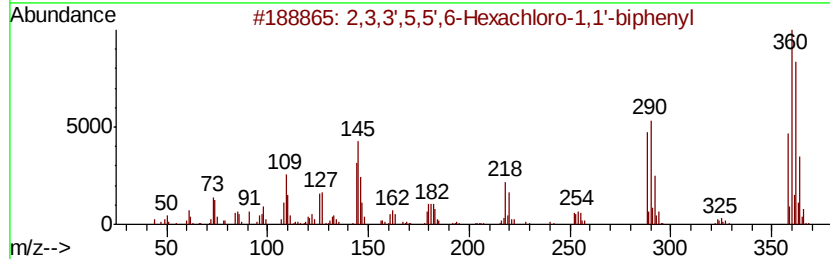
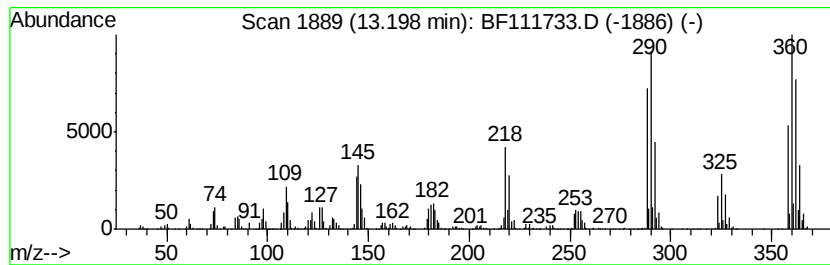
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 2,3,3',5,5',6-Hexachloro-1,... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	53.27 ng	2225640	Chrysene-d12	14.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,3,3',5,5',6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-46-1	99
2		2,2',3,4,4',6'-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-64-4	99
3		1,1'-Biphenyl, 2,2',3,4,5',6-he...	358	C12H4Cl6	038380-04-0	99
4		2,3',4,4',5',6-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-65-5	99
5		1,1'-Biphenyl, 2,3,3',4,4',5'-he...	358	C12H4Cl6	069782-90-7	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
Data File : BF111733.D
Acq On : 27 Dec 2018 00:13
Operator : JU/SJ
Sample : J6388-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-SS009-1218-01

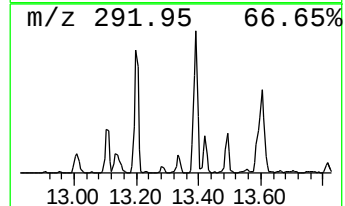
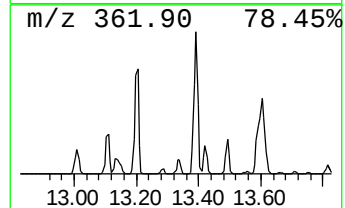
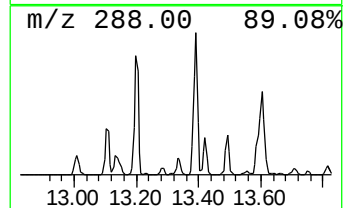
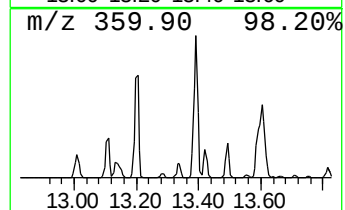
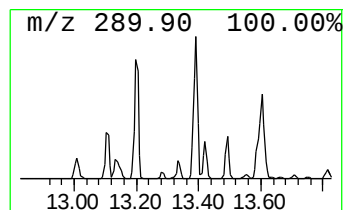
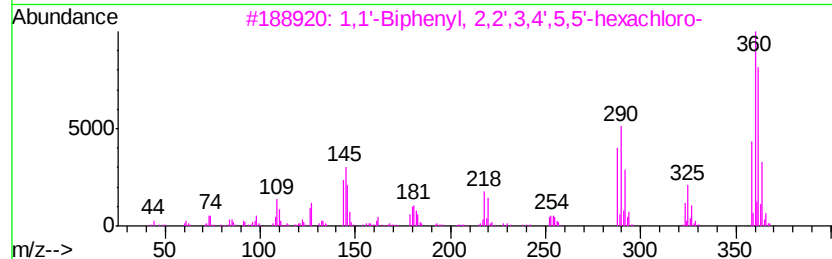
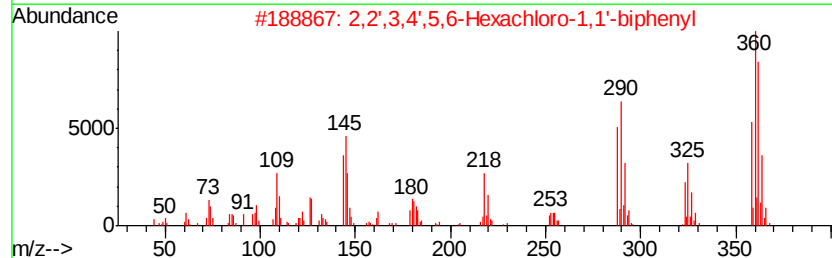
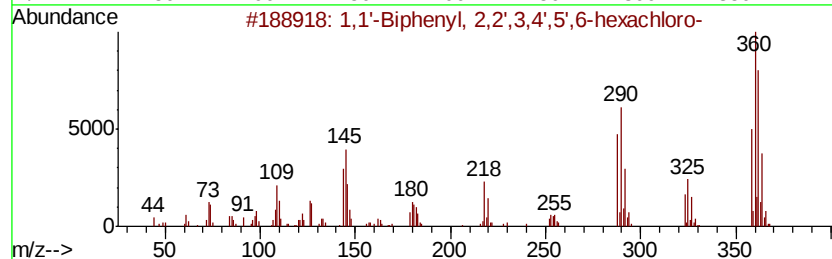
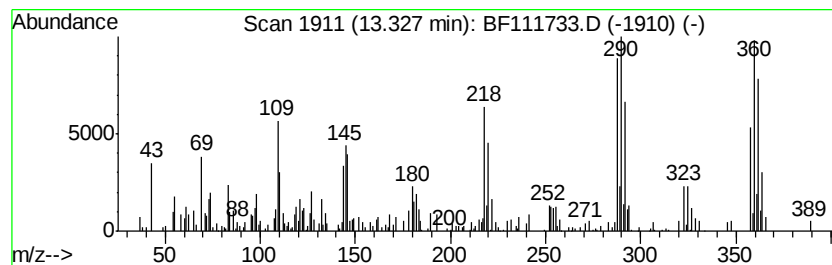
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 1,1'-Biphenyl, 2,2',3,4',5'... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.33	6.70 ng	279784	Chrysene-d12	14.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	99
2		2,2',3,4',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	068194-13-8	99
3		1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	99
4		1,1'-Biphenyl, 2,2',3,3',4,6-Hex...	358	C12H4Cl6	061798-70-7	99
5		1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
Data File : BF111733.D
Acq On : 27 Dec 2018 00:13
Operator : JU/SJ
Sample : J6388-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-SS009-1218-01

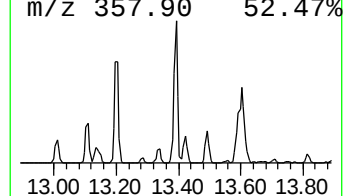
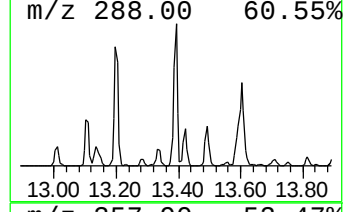
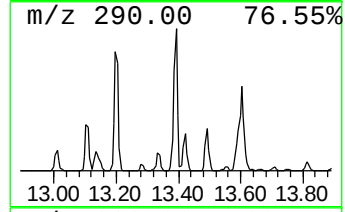
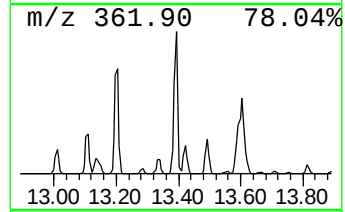
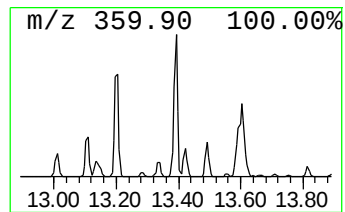
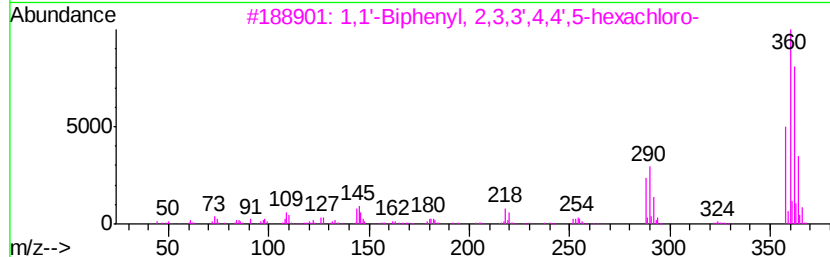
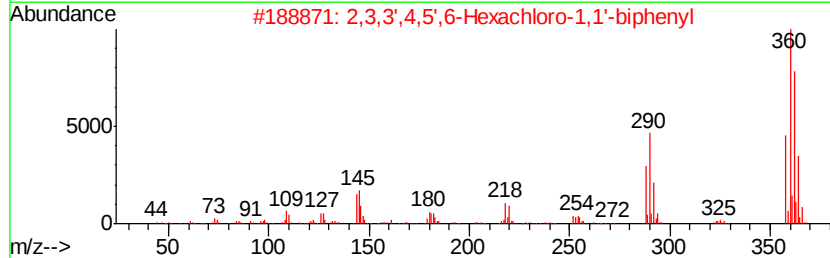
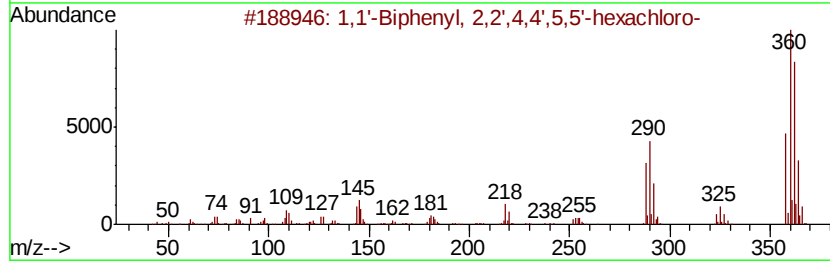
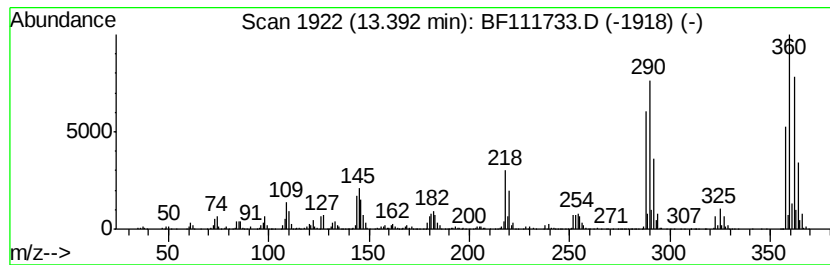
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 1,1'-Biphenyl, 2,2',4,4',5,... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	56.44 ng	2357800	Chrysene-d12	14.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',4,4',5,5'-he...	358	C12H4Cl6	035065-27-1	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',4,4',6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-42-7	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
Data File : BF111733.D
Acq On : 27 Dec 2018 00:13
Operator : JU/SJ
Sample : J6388-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

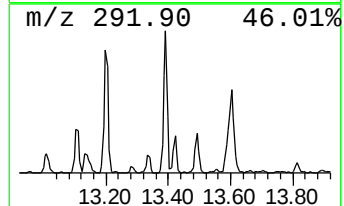
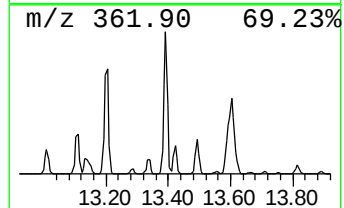
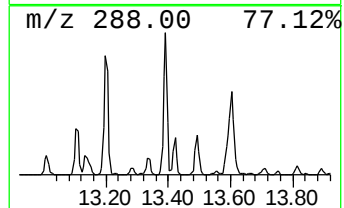
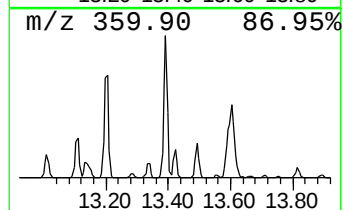
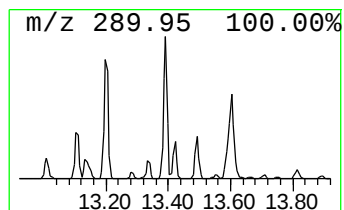
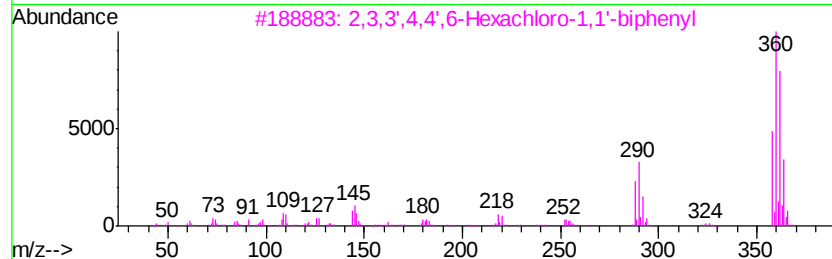
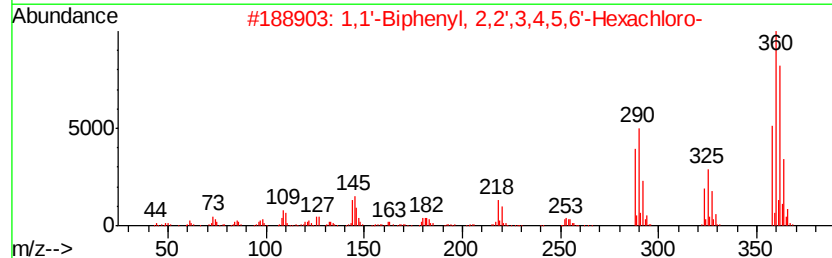
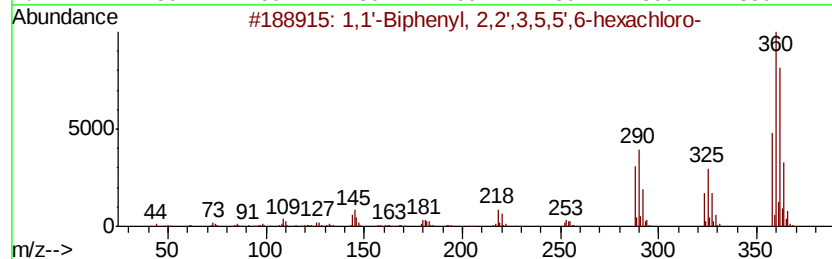
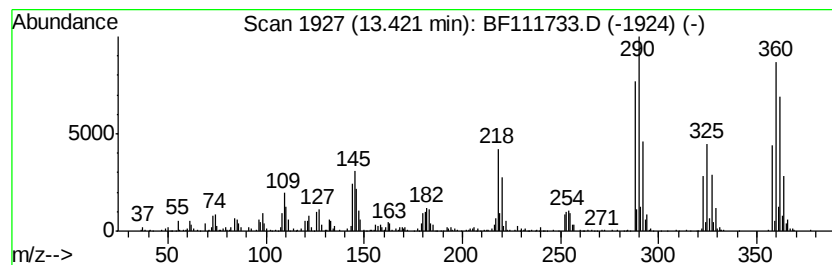
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 1,1'-Biphenyl, 2,2',3,5,5',... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.42	12.43 ng	519497	Chrysene-d12	14.07		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,5,5',6-hex...	358	C12H4Cl6	052663-63-5	99	
2	1,1'-Biphenyl, 2,2',3,4,5,6'-Hex...	358	C12H4Cl6	068194-15-0	99	
3	2,3,3',4,4',6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-42-7	99	
4	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	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\
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Acq On : 27 Dec 2018 00:13
Operator : JU/SJ
Sample : J6388-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

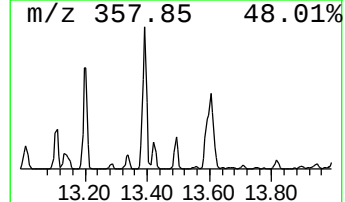
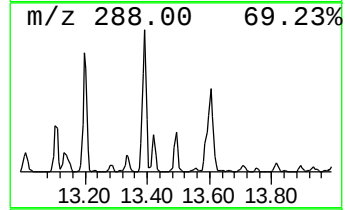
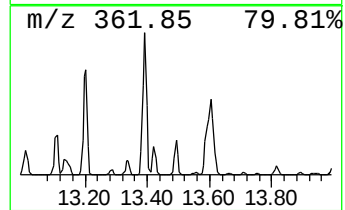
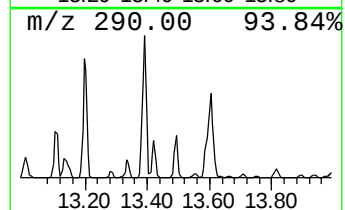
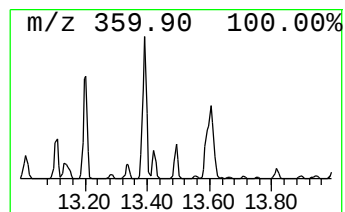
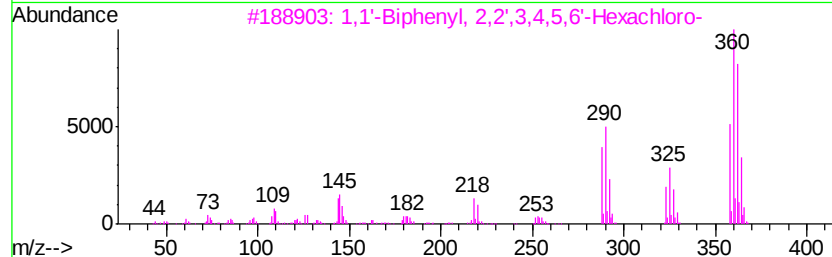
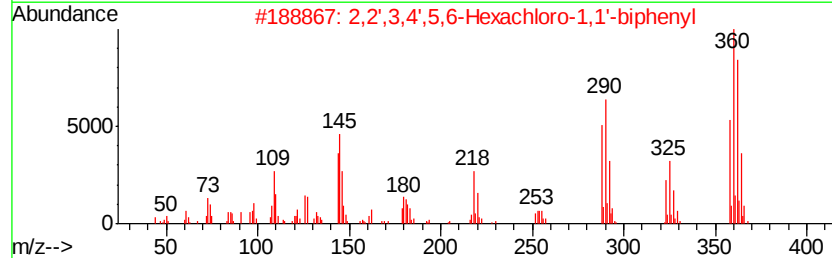
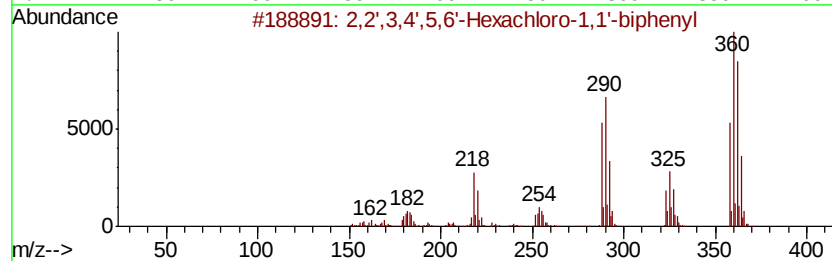
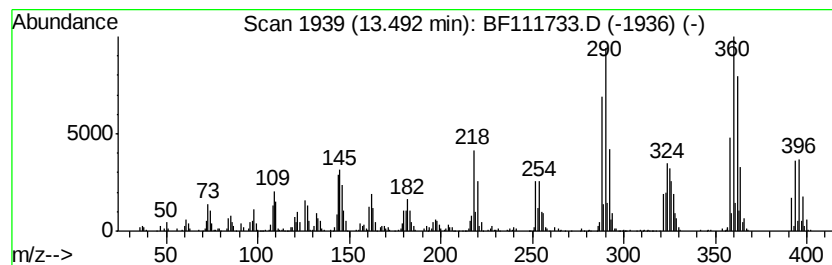
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ClientSampleId :
P001-SS009-1218-01

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 11 2,2',3,4',5,6'-Hexachloro-1... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.49	28.48 ng	1190030	Chrysene-d12	14.07		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,4',5,6'-Hexachloro-1,1'-b...	358	C12H4Cl6	074472-41-6	99	
2	2,2',3,4',5,6'-Hexachloro-1,1'-bi...	358	C12H4Cl6	068194-13-8	99	
3	1,1'-Biphenyl, 2,2',3,4,5,6'-Hex...	358	C12H4Cl6	068194-15-0	99	
4	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99	
5	2,2',3,4,6,6'-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-40-5	99	



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
Data File : BF111733.D
Acq On : 27 Dec 2018 00:13
Operator : JU/SJ
Sample : J6388-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-SS009-1218-01

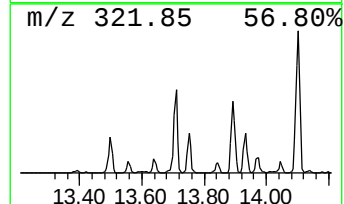
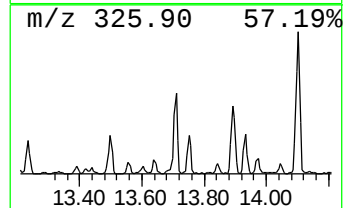
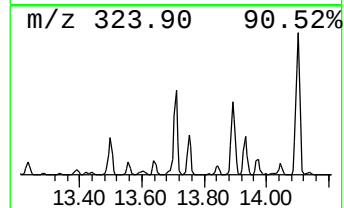
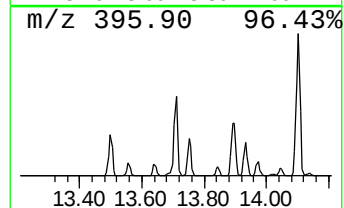
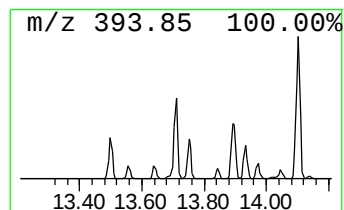
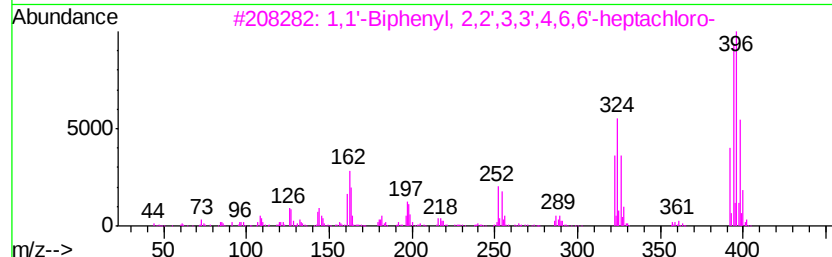
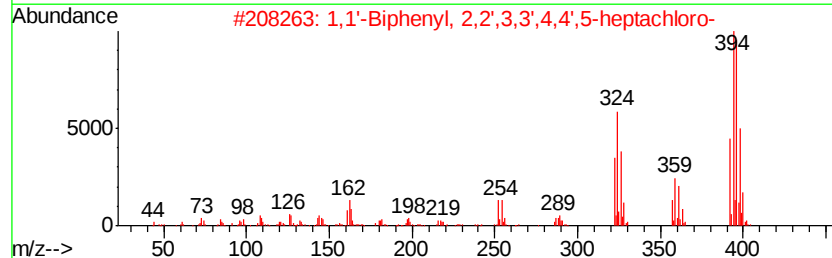
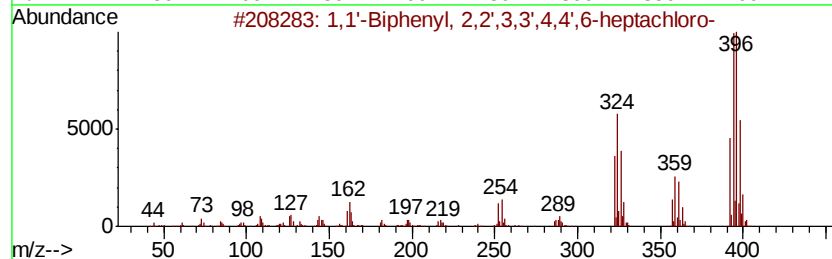
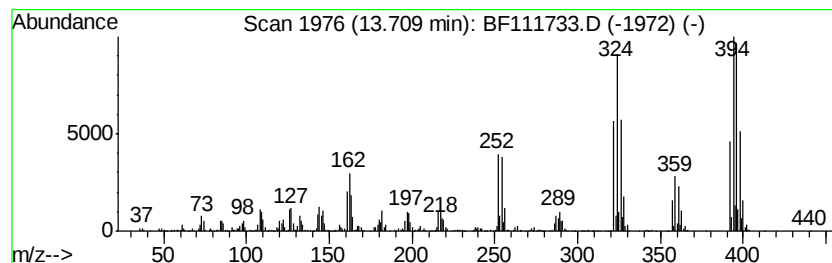
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.71	29.95 ng	1251390	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',3,3',4,4',5-...	392	C12H3Cl7	035065-30-6	99
3		1,1'-Biphenyl, 2,2',3,3',4,6,6'-...	392	C12H3Cl7	052663-65-7	99
4		1,1'-Biphenyl, 2,2',3,4,5,6,6'-H...	392	C12H3Cl7	074472-49-4	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 : BF111733.D
Acq On : 27 Dec 2018 00:13
Operator : JU/SJ
Sample : J6388-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

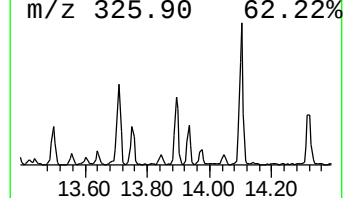
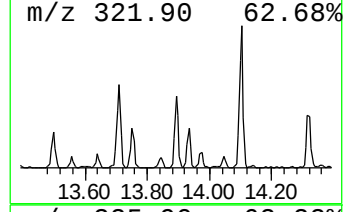
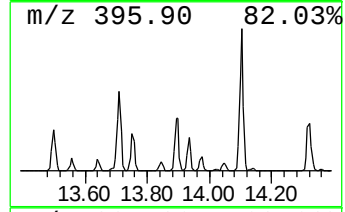
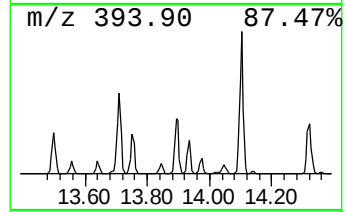
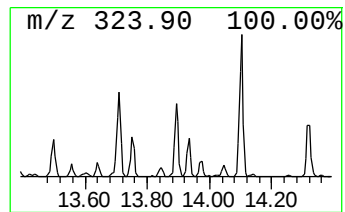
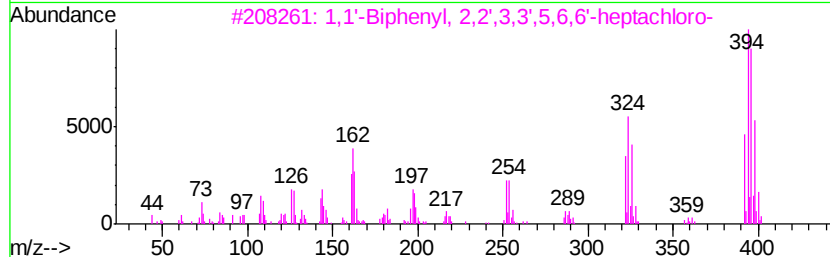
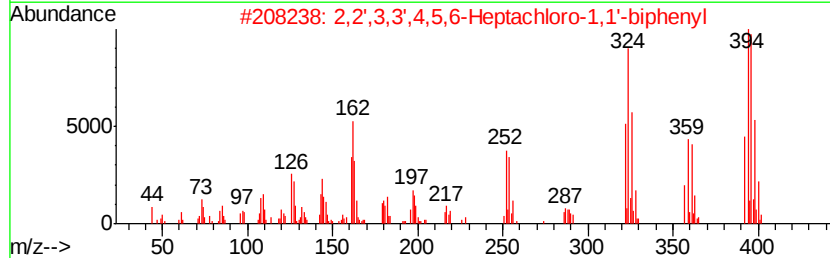
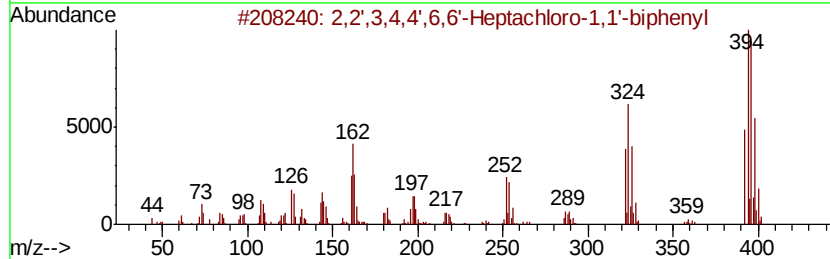
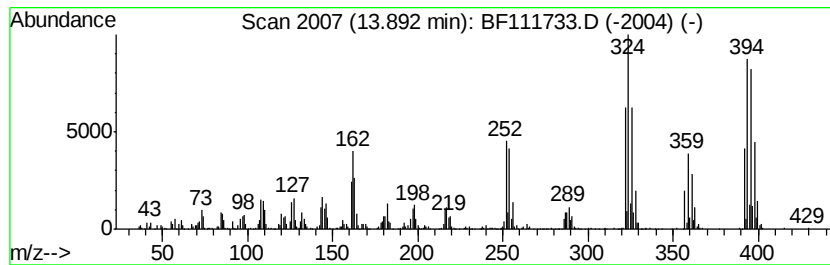
Instrument :
BNA_F
ClientSampleId :
P001-SS009-1218-01

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 15 2,2',3,4,4',6,6'-Heptachlor... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.89	32.31 ng	1349880	Chrysene-d12	14.07		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,4,4',6,6'-Heptachloro-1,1'...	392	C12H3Cl7	074472-48-3	99	
2	2,2',3,3',4,5,6-Heptachloro-1,1'...	392	C12H3Cl7	068194-16-1	99	
3	1,1'-Biphenyl, 2,2',3,3',5,6,6'-...	392	C12H3Cl7	052663-64-6	99	
4	1,1'-Biphenyl, 2,2',3,4,5,6,6'-H...	392	C12H3Cl7	074472-49-4	99	
5	1,1'-Biphenyl, 2,2',3,3',5,5',6-...	392	C12H3Cl7	052663-67-9	99	



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
Data File : BF111733.D
Acq On : 27 Dec 2018 00:13
Operator : JU/SJ
Sample : J6388-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-SS009-1218-01

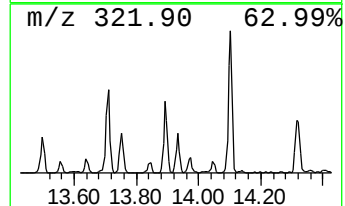
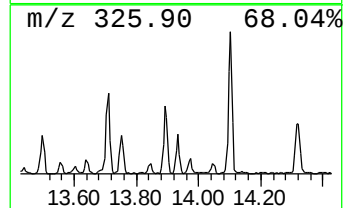
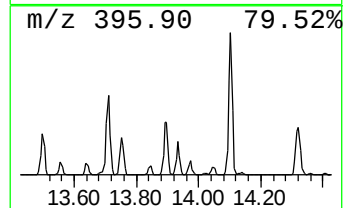
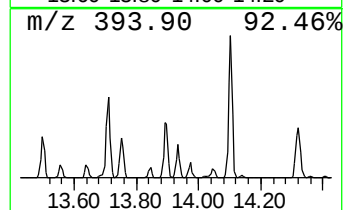
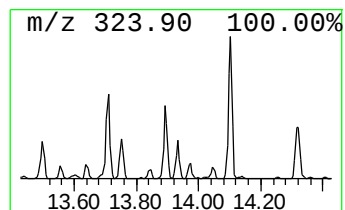
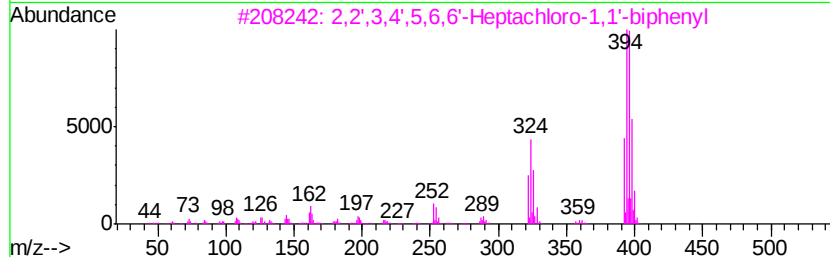
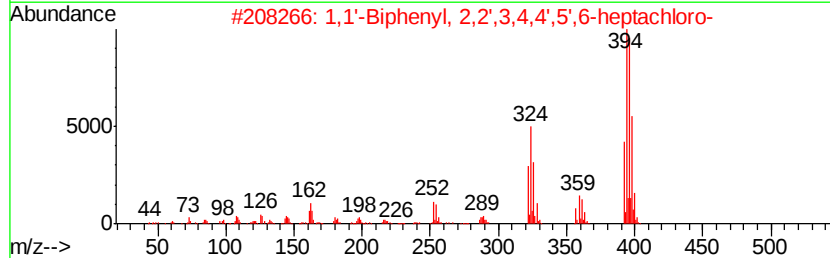
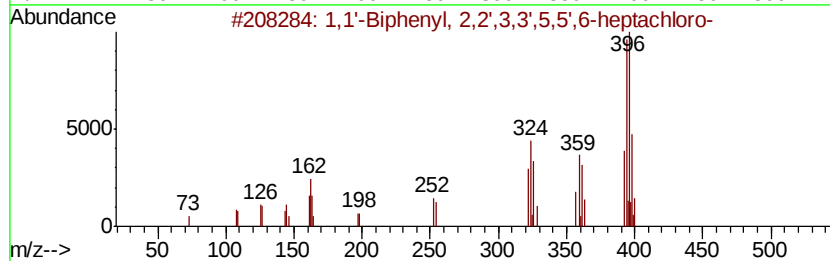
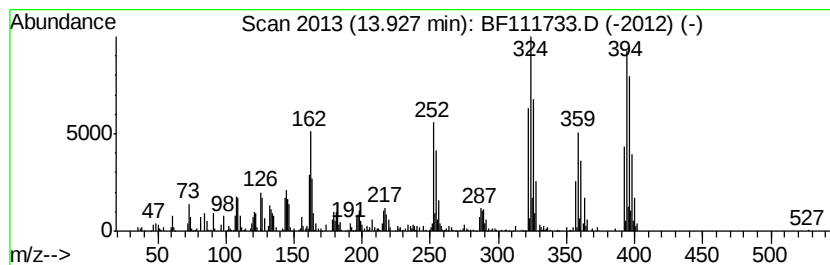
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 1,1'-Biphenyl, 2,2',3,3',5,... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.93	13.86 ng	578995	Chrysene-d12	14.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',3,3',5,5',6-...	392	C12H3Cl7	052663-67-9	99
2		1,1'-Biphenyl, 2,2',3,4,4',5',6-...	392	C12H3Cl7	052663-69-1	99
3		2,2',3,4',5,6,6'-Heptachloro-1,1...	392	C12H3Cl7	074487-85-7	99
4		2,2',3,3',4,5',6-Heptachlorobiph...	392	C12H3Cl7	040186-70-7	99
5		1,1'-Biphenyl, 2,2',3,3',4,4',6-...	392	C12H3Cl7	052663-71-5	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
Data File : BF111733.D
Acq On : 27 Dec 2018 00:13
Operator : JU/SJ
Sample : J6388-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

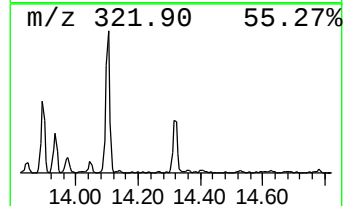
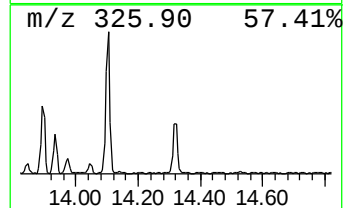
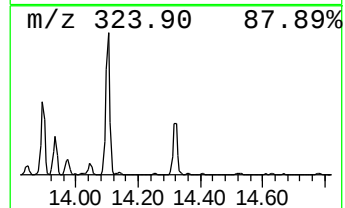
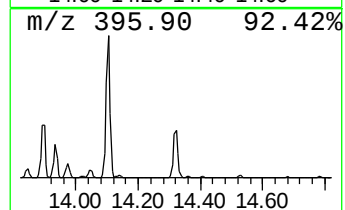
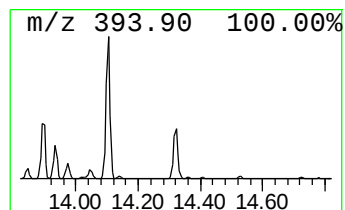
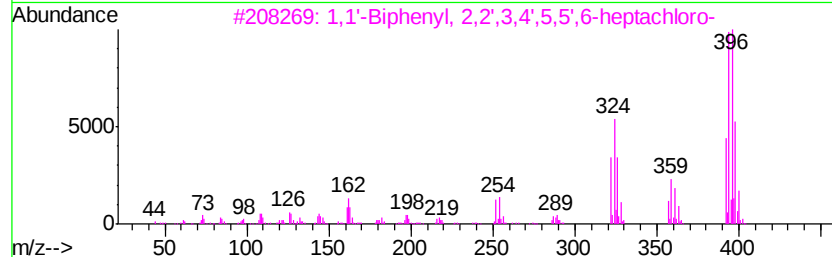
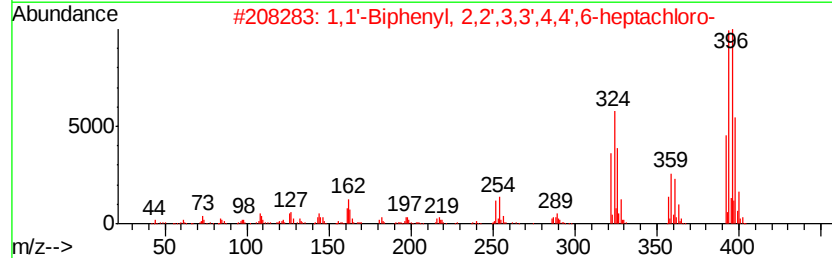
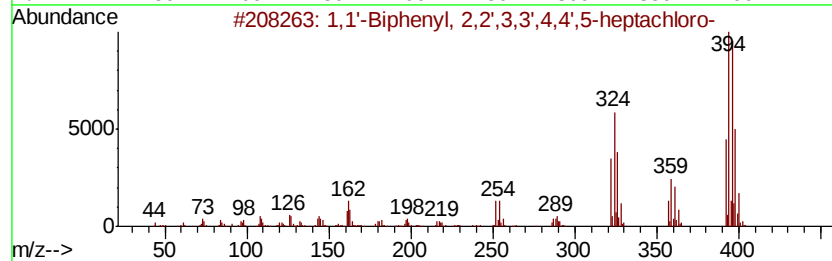
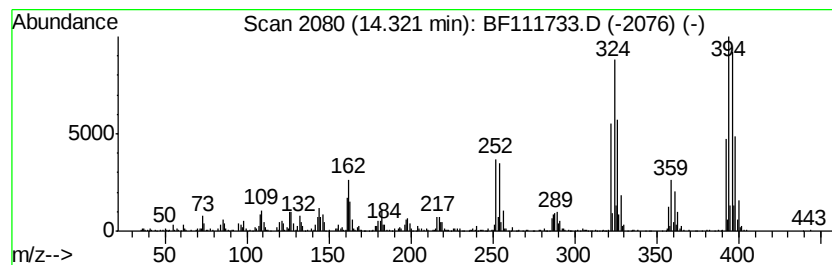
Instrument :
BNA_F
ClientSampleId :
P001-SS009-1218-01

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 17 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.32	23.52 ng	982794	Chrysene-d12	14.07	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,4',5-...	392	C12H3Cl7	035065-30-6	99
2	1,1'-Biphenyl, 2,2',3,3',4,4',6-...	392	C12H3Cl7	052663-71-5	99
3	1,1'-Biphenyl, 2,2',3,4',5,5',6-...	392	C12H3Cl7	052663-68-0	99
4	2,2',3,4',5,6,6'-Heptachloro-1,1...	392	C12H3Cl7	074487-85-7	99
5	1,1'-Biphenyl, 2,2',3,4,4',5',6-...	392	C12H3Cl7	052663-69-1	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
Data File : BF111733.D
Acq On : 27 Dec 2018 00:13
Operator : JU/SJ
Sample : J6388-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-SS009-1218-01

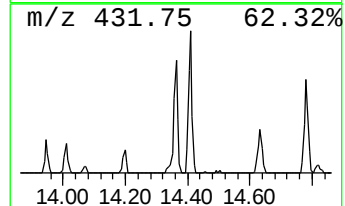
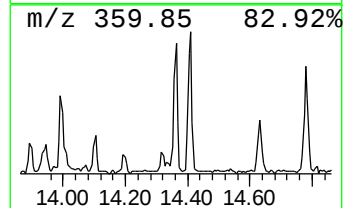
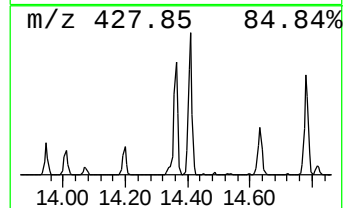
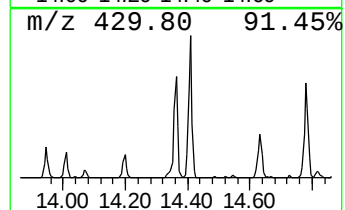
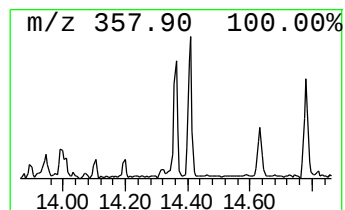
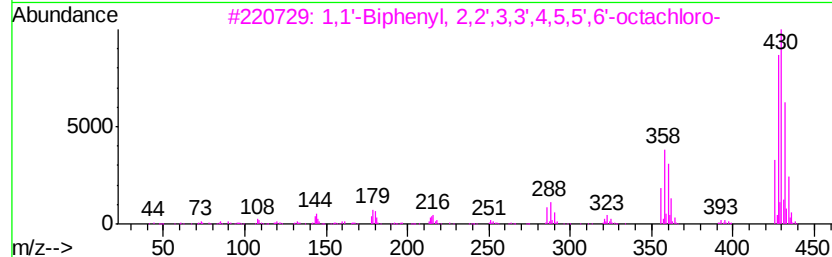
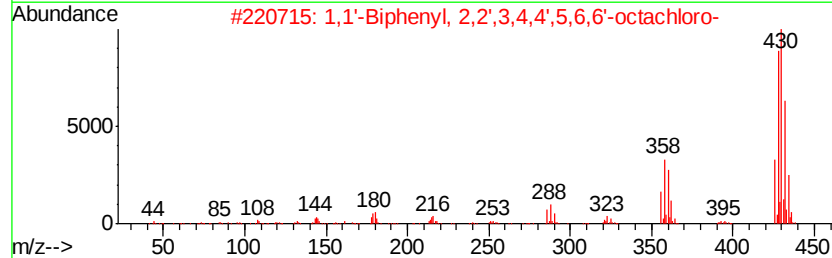
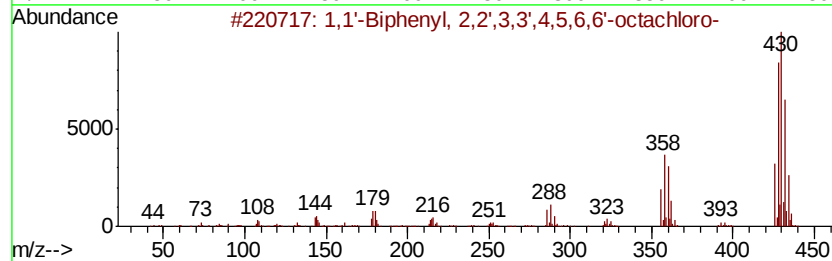
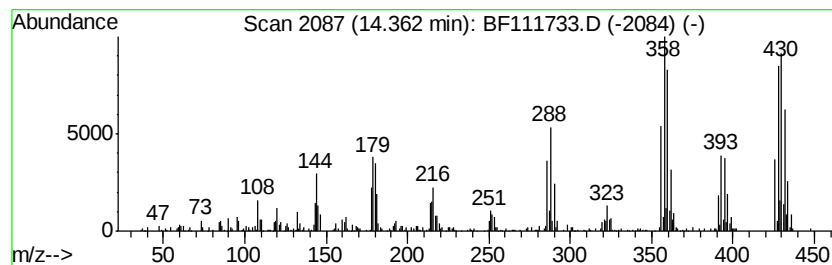
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.36	13.05 ng	545128	Chrysene-d12	14.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',3,3',4,5,6,6...	426	C12H2Cl8	052663-73-7	99
2		1,1'-Biphenyl, 2,2',3,4,4',5,6,6...	426	C12H2Cl8	074472-52-9	99
3		1,1'-Biphenyl, 2,2',3,3',4,5,5',...	426	C12H2Cl8	052663-75-9	99
4		1,1'-Biphenyl, 2,2',3,3',5,5',6,...	426	C12H2Cl8	002136-99-4	99
5		2,3,3',4,4',5,5',6-Octachloro-1,...	426	C12H2Cl8	074472-53-0	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
Data File : BF111733.D
Acq On : 27 Dec 2018 00:13
Operator : JU/SJ
Sample : J6388-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-SS009-1218-01

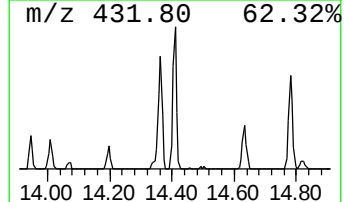
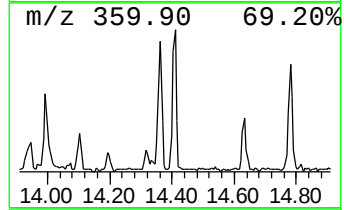
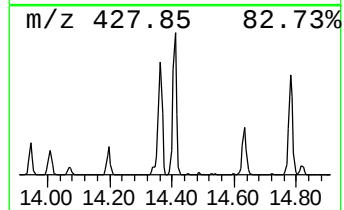
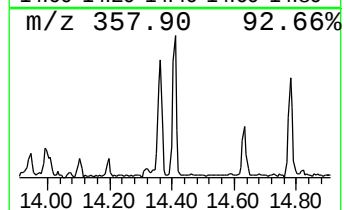
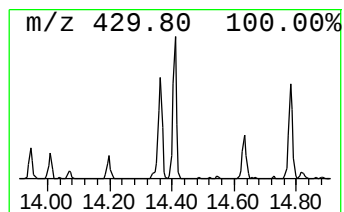
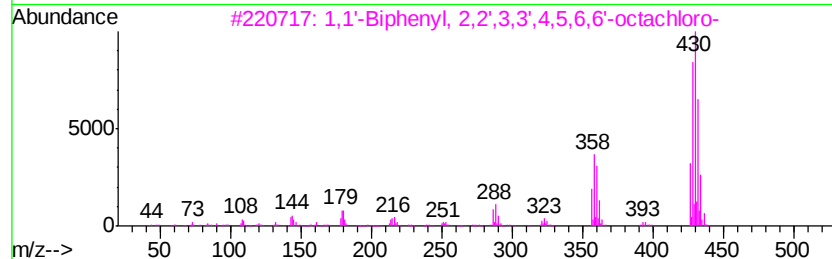
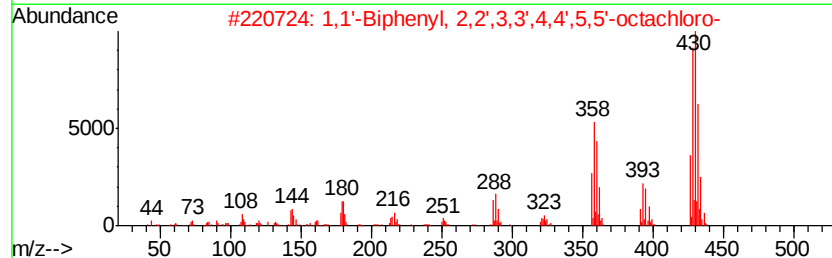
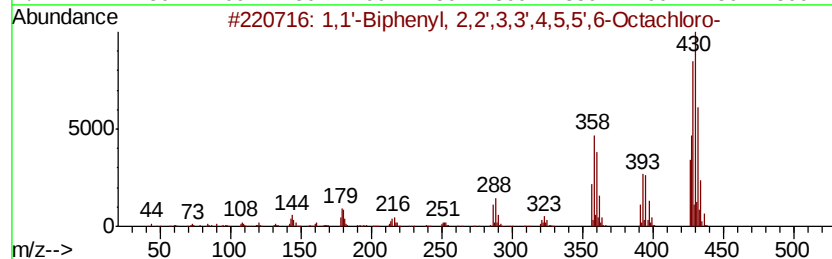
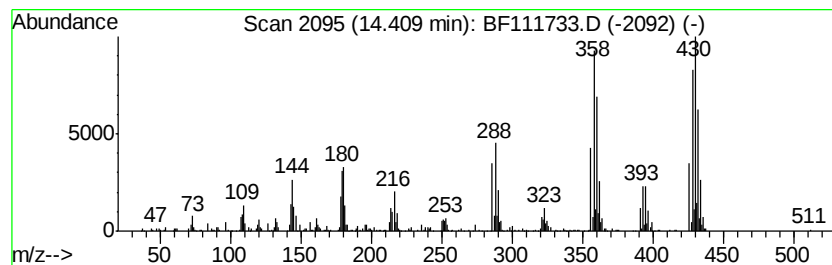
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.41	8.89 ng	371422	Chrysene-d12	14.07

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'	-Biphenyl, 2,2',3,3',4,5,5',...	426	C12H2Cl8	068194-17-2	99	
2	1,1'	-Biphenyl, 2,2',3,3',4,4',5,...	426	C12H2Cl8	035694-08-7	99	
3	1,1'	-Biphenyl, 2,2',3,3',4,5,6,6...	426	C12H2Cl8	052663-73-7	99	
4	1,1'	-Biphenyl, 2,2',3,3',5,5',6,...	426	C12H2Cl8	002136-99-4	99	
5	1,1'	-Biphenyl, 2,2',3,3',4,4',6,...	426	C12H2Cl8	033091-17-7	99	



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
Data File : BF111733.D
Acq On : 27 Dec 2018 00:13
Operator : JU/SJ
Sample : J6388-08
Misc :
ALS Vial : 15 Sample Multiplier: 1

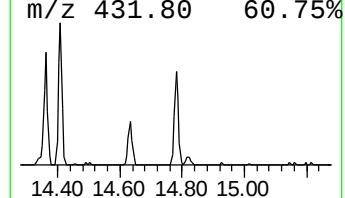
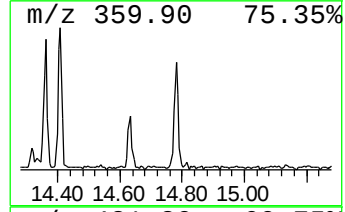
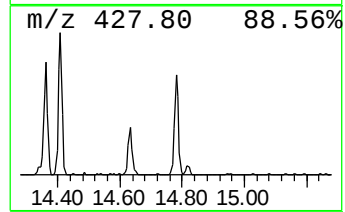
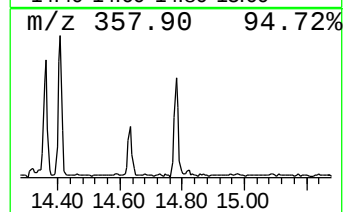
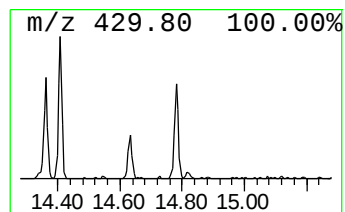
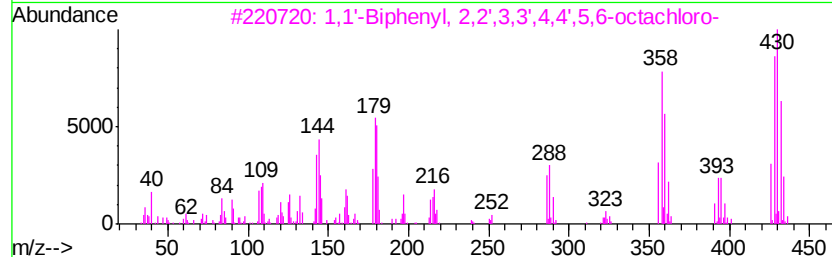
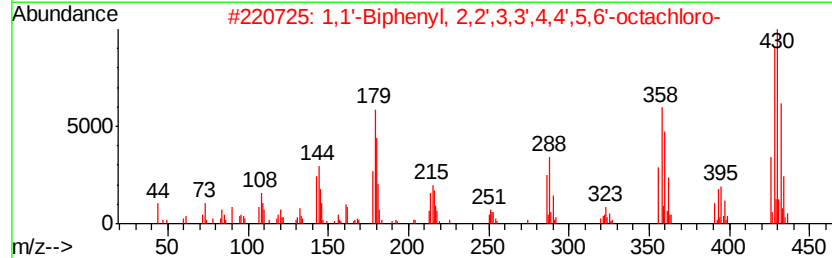
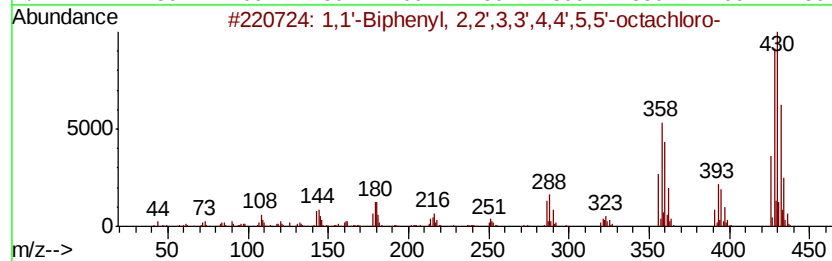
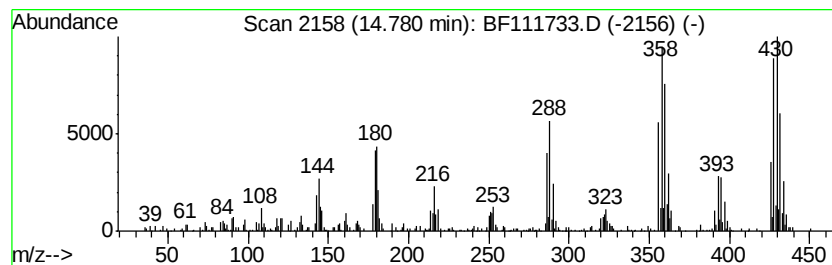
Instrument :
BNA_F
ClientSampleId :
P001-SS009-1218-01

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 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.78	6.44 ng	268897	Chrysene-d12	14.07		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl	2,2',3,3',4,4',5,...	426	C12H2Cl8	035694-08-7	99
2	1,1'-Biphenyl	2,2',3,3',4,4',5,...	426	C12H2Cl8	042740-50-1	99
3	1,1'-Biphenyl	2,2',3,3',4,4',5,...	426	C12H2Cl8	052663-78-2	99
4	1,1'-Biphenyl	2,2',3,3',4,5,6,6...	426	C12H2Cl8	052663-73-7	99
5	1,1'-Biphenyl	2,2',3,4,4',5,6,6...	426	C12H2Cl8	074472-52-9	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF122618\
 Data File : BF111733.D
 Acq On : 27 Dec 2018 00:13
 Operator : JU/SJ
 Sample : J6388-08
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS009-1218-01

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
unknown6.68	6.68	94.1	ng	4139920	1	6.90	879718	20.0
1,1'-Biphenyl, 2,...	12.55	15.5	ng	725944	4	11.43	936451	20.0
1,1'-Biphenyl, 2,...	12.74	21.4	ng	1002210	4	11.43	936451	20.0
1,1'-Biphenyl, 2,...	13.10	21.4	ng	893780	5	14.07	835554	20.0
1,1'-Biphenyl, 2,...	13.13	12.7	ng	529555	5	14.07	835554	20.0
2,3,3',5,5',6-Hex...	13.20	53.3	ng	2225640	5	14.07	835554	20.0
1,1'-Biphenyl, 2,...	13.33	6.7	ng	279784	5	14.07	835554	20.0
1,1'-Biphenyl, 2,...	13.39	56.4	ng	2357800	5	14.07	835554	20.0
1,1'-Biphenyl, 2,...	13.42	12.4	ng	519497	5	14.07	835554	20.0
2,2',3,4',5,6'-He...	13.49	28.5	ng	1190030	5	14.07	835554	20.0
1,1'-Biphenyl, 2,...	13.71	29.9	ng	1251390	5	14.07	835554	20.0
2,2',3,4,4',6,6'-...	13.89	32.3	ng	1349880	5	14.07	835554	20.0
1,1'-Biphenyl, 2,...	13.93	13.9	ng	578995	5	14.07	835554	20.0
1,1'-Biphenyl, 2,...	14.32	23.5	ng	982794	5	14.07	835554	20.0
1,1'-Biphenyl, 2,...	14.36	13.1	ng	545128	5	14.07	835554	20.0
1,1'-Biphenyl, 2,...	14.41	8.9	ng	371422	5	14.07	835554	20.0
1,1'-Biphenyl, 2,...	14.78	6.4	ng	268897	5	14.07	835554	20.0