

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070318\
 Data File : BF107082.D
 Acq On : 3 Jul 2018 15:14
 Operator : JU/SJ
 Sample : J3629-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A0C2-04

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-BF061918.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.548	542	546	553	rVB2	28721	35234	1.13%	0.237%
2	5.648	559	563	580	rBV	105371	230710	7.40%	1.550%
3	5.801	587	589	595	rVB	36988	34858	1.12%	0.234%
4	6.648	730	733	745	rBV	81474	191764	6.15%	1.289%
5	6.760	748	752	762	rVB	176986	256132	8.21%	1.721%
6	6.954	782	785	789	rVB	379370	310384	9.95%	2.086%
7	7.113	808	812	816	rVB	220124	199642	6.40%	1.342%
8	7.519	878	881	888	rBV	131346	137070	4.39%	0.921%
9	8.242	1000	1004	1009	rBV	357815	345284	11.07%	2.320%
10	9.313	1182	1186	1195	rBV	224386	250624	8.03%	1.684%
11	10.001	1299	1303	1311	rBV	354916	348822	11.18%	2.344%
12	10.795	1435	1438	1445	rBV	134897	125990	4.04%	0.847%
13	11.048	1479	1481	1485	rVB	60859	49250	1.58%	0.331%
14	11.413	1540	1543	1545	rBV	130710	107599	3.45%	0.723%
15	11.430	1545	1546	1550	rVB	47051	32226	1.03%	0.217%
16	11.495	1552	1557	1564	rVV	422955	395244	12.67%	2.656%
17	11.583	1568	1572	1577	rBV2	80895	77331	2.48%	0.520%
18	11.830	1609	1614	1618	rBV	194465	261755	8.39%	1.759%
19	11.901	1621	1626	1631	rBV2	95998	100771	3.23%	0.677%
20	11.977	1635	1639	1641	rBV	59437	51543	1.65%	0.346%
21	12.001	1641	1643	1646	rVB2	40149	33205	1.06%	0.223%
22	12.101	1657	1660	1663	rBV	461957	372264	11.93%	2.502%
23	12.136	1663	1666	1668	rVV	143415	115265	3.70%	0.775%
24	12.160	1668	1670	1673	rVB	67284	52441	1.68%	0.352%
25	12.272	1685	1689	1692	rBV	232140	203357	6.52%	1.367%
26	12.342	1698	1701	1705	rVV2	47590	71623	2.30%	0.481%
27	12.377	1705	1707	1710	rVB	105220	80085	2.57%	0.538%
28	12.572	1737	1740	1742	rBV	104736	88283	2.83%	0.593%
29	12.613	1742	1747	1753	rVV2	508883	791669	25.38%	5.320%
30	12.672	1753	1757	1760	rVB	69312	64037	2.05%	0.430%
31	12.719	1760	1765	1767	rBV	27639	31525	1.01%	0.212%
32	12.748	1767	1770	1774	rVV2	115811	169040	5.42%	1.136%
33	12.795	1774	1778	1782	rVV	718166	665489	21.33%	4.472%
34	12.836	1782	1785	1788	rVB	233134	192018	6.16%	1.290%

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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

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.966	1802	1807	1810	rVB2	189825	201682	6.47%	1.355%
36	13.019	1810	1816	1818	rBV	294752	286816	9.19%	1.927%
37	13.048	1818	1821	1823	rVV	96705	84024	2.69%	0.565%
38	13.089	1823	1828	1831	rVB2	677164	853041	27.35%	5.732%
39	13.166	1837	1841	1842	rBV2	73146	72640	2.33%	0.488%
40	13.183	1842	1844	1849	rVB2	75244	110237	3.53%	0.741%
41	13.260	1854	1857	1860	rVV	319261	290308	9.31%	1.951%
42	13.301	1860	1864	1867	rVV	460923	430260	13.79%	2.891%
43	13.342	1869	1871	1875	rVB2	45197	33292	1.07%	0.224%
44	13.395	1875	1880	1885	rBV2	75028	90645	2.91%	0.609%
45	13.448	1885	1889	1892	rBV	339576	296080	9.49%	1.990%
46	13.483	1892	1895	1897	rBV	196828	169450	5.43%	1.139%
47	13.507	1897	1899	1902	rVB	235614	182563	5.85%	1.227%
48	13.548	1902	1906	1911	rBV2	139399	153215	4.91%	1.030%
49	13.601	1912	1915	1916	rBV	41529	34746	1.11%	0.233%
50	13.666	1920	1926	1931	rBV	397893	481703	15.44%	3.237%
51	13.724	1933	1936	1937	rBV	36442	34764	1.11%	0.234%
52	13.742	1937	1939	1941	rVV2	46151	38154	1.22%	0.256%
53	13.777	1941	1945	1948	rVB	496649	427648	13.71%	2.874%
54	13.883	1959	1963	1965	rBV	121547	111175	3.56%	0.747%
55	13.954	1971	1975	1979	rBV3	69697	96628	3.10%	0.649%
56	14.060	1991	1993	1996	rBV	54467	49779	1.60%	0.335%
57	14.107	1996	2001	2005	rVV	2370759	3119286	100.00%	20.961%
58	14.154	2005	2009	2017	rVV	456639	501273	16.07%	3.368%
59	14.389	2047	2049	2053	rBV4	43213	42911	1.38%	0.288%
60	15.707	2269	2273	2277	rBV	183193	216559	6.94%	1.455%

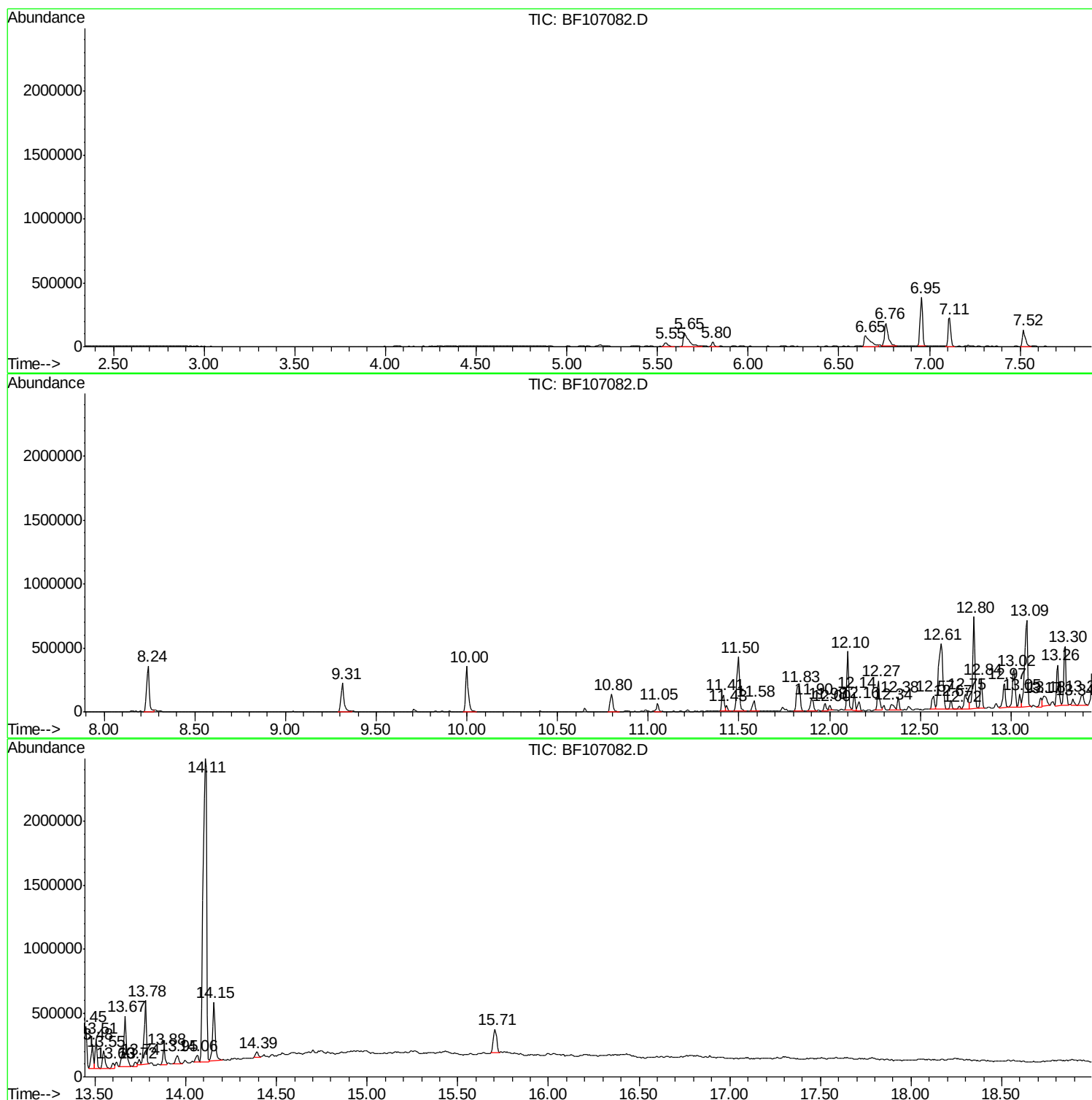
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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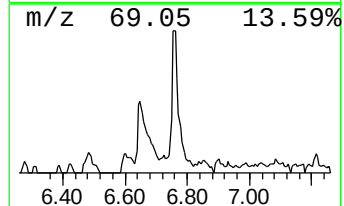
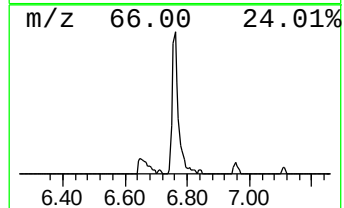
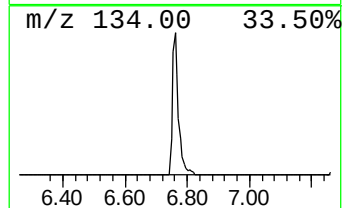
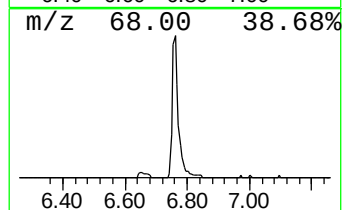
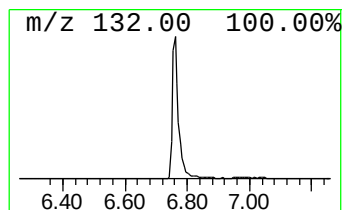
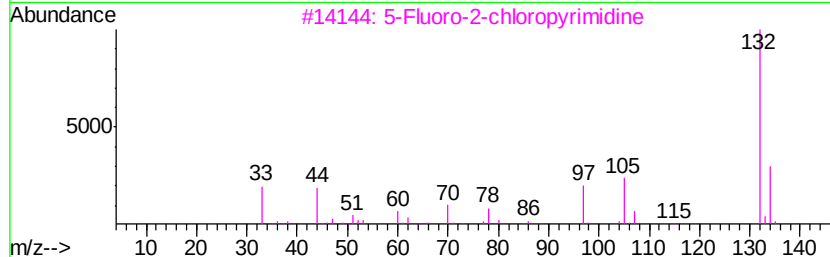
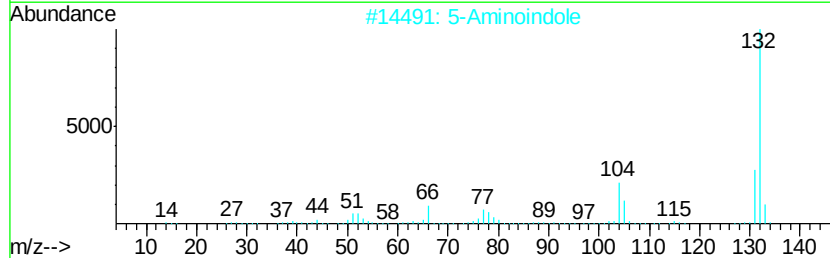
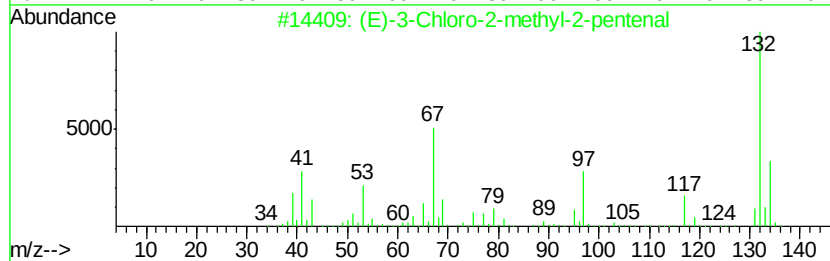
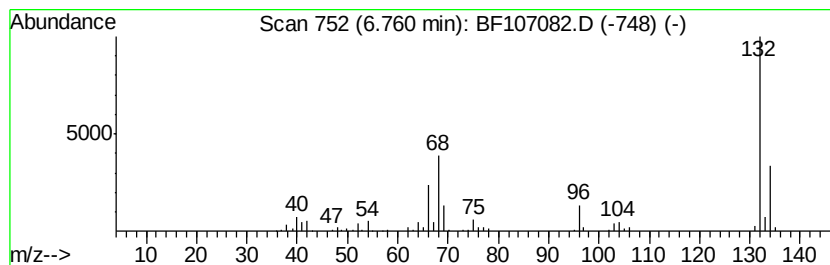
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.76 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.76	16.50 ng	256132	1,4-Dichlorobenzene-d4	6.95

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
2			5-Aminoindole	132	C8H8N2	005192-03-0	12
3			5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
4			1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5			2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9



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ALS Vial : 13 Sample Multiplier: 1

Instrument :
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A0C2-04

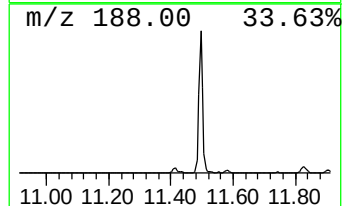
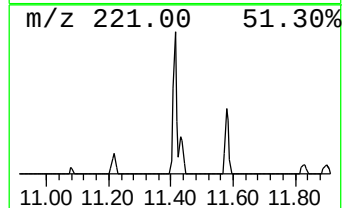
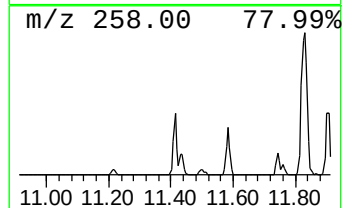
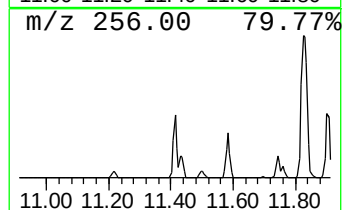
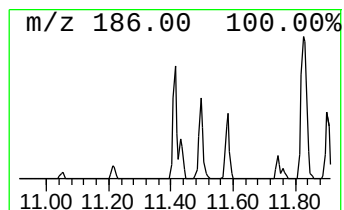
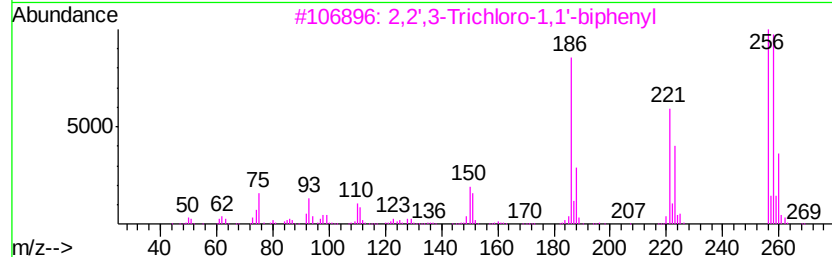
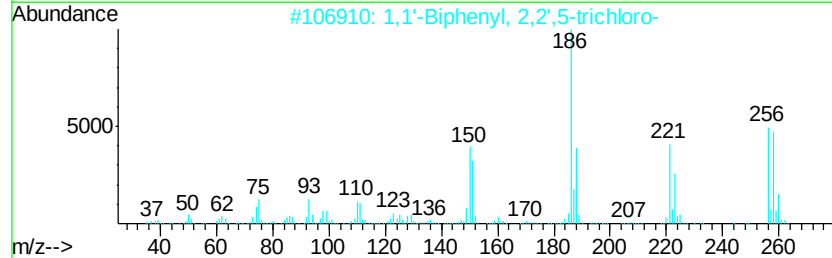
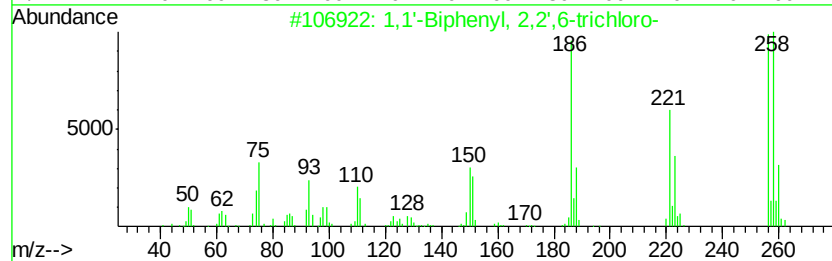
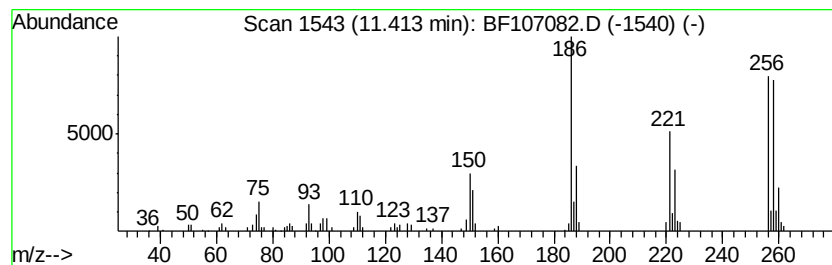
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 1,1'-Biphenyl, 2,2',6-trich... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.41	5.44 ng	107599	Phenanthrene-d10	11.50

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,1'-Biphenyl, 2,2',6-trichloro-	256	C12H7Cl3	038444-73-4	99
2			1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	99
3			2,2',3-Trichloro-1,1'-biphenyl	256	C12H7Cl3	038444-78-9	99
4			2,2',4-Trichloro-1,1'-biphenyl	256	C12H7Cl3	037680-66-3	98
5			1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	98



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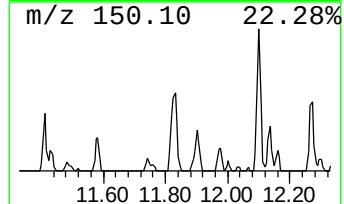
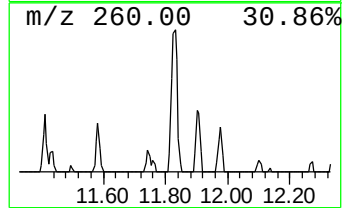
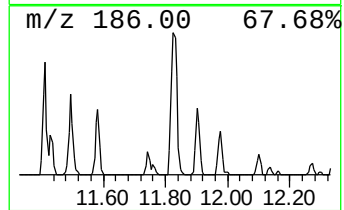
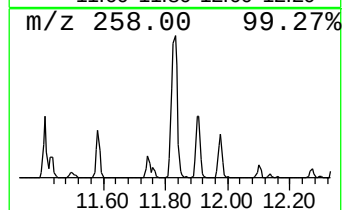
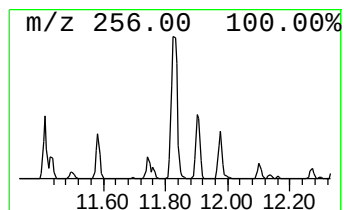
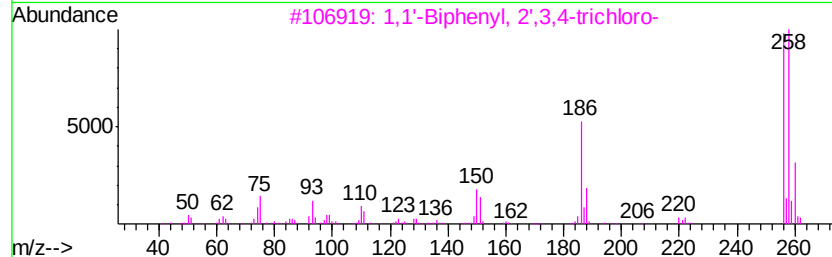
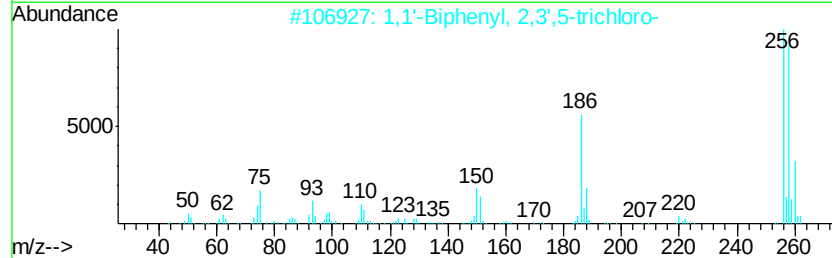
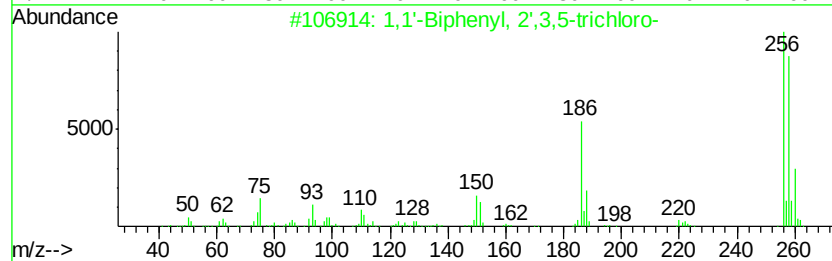
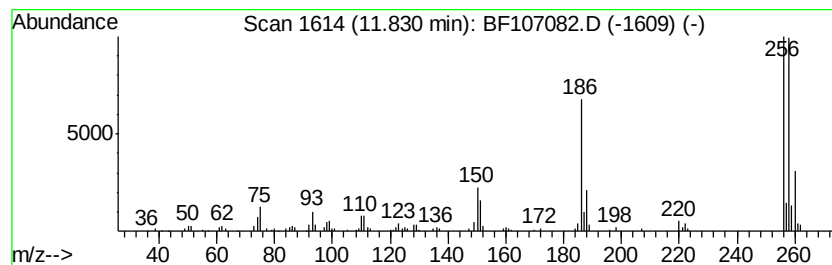
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.83	13.25 ng	261755	Phenanthrene-d10	11.50	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2',3,5-trichloro-	256	C12H7Cl3	037680-68-5	99
2	1,1'-Biphenyl, 2,3',5-trichloro-	256	C12H7Cl3	038444-81-4	99
3	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	99
4	1,1'-Biphenyl, 2,3,6-trichloro-	256	C12H7Cl3	055702-45-9	99
5	1,1'-Biphenyl, 3,3',5-trichloro-	256	C12H7Cl3	038444-87-0	99



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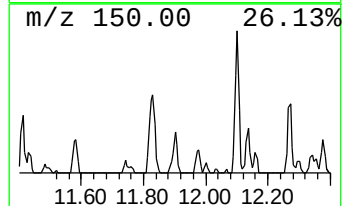
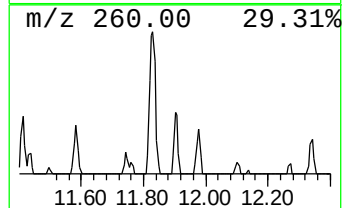
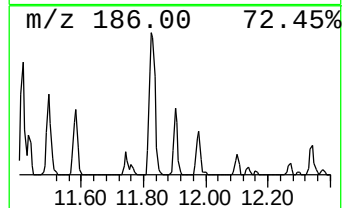
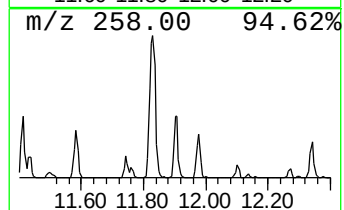
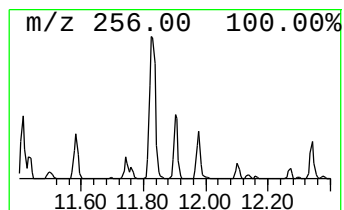
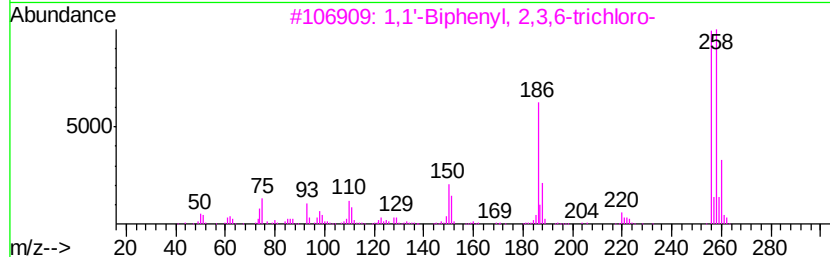
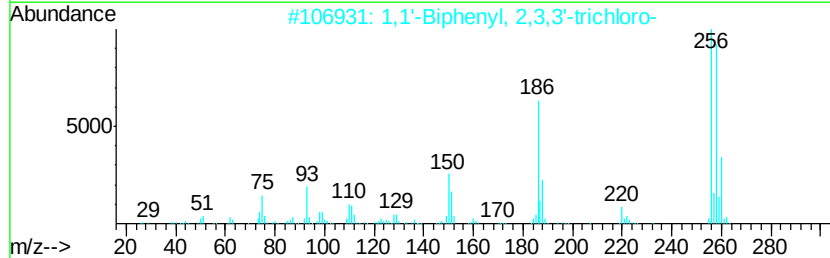
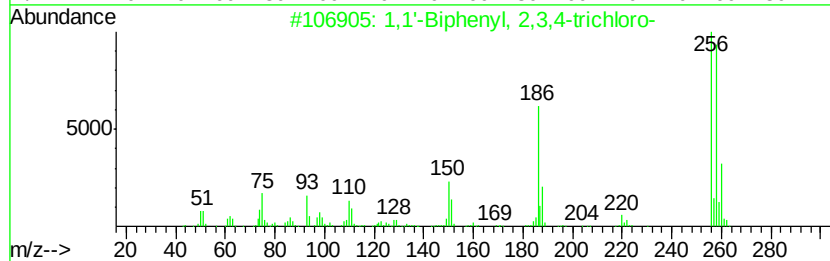
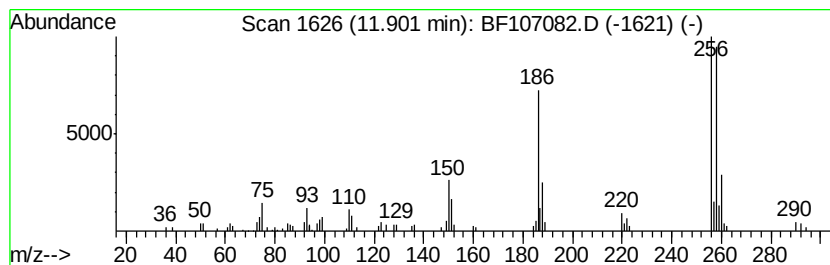
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.90	5.10 ng	100771	Phenanthrene-d10	11.50	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	99
2	1,1'-Biphenyl, 2,3,3'-trichloro-	256	C12H7Cl3	038444-84-7	99
3	1,1'-Biphenyl, 2,3,6-trichloro-	256	C12H7Cl3	055702-45-9	99
4	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	99
5	1,1'-Biphenyl, 3,4',5-trichloro-	256	C12H7Cl3	038444-88-1	99



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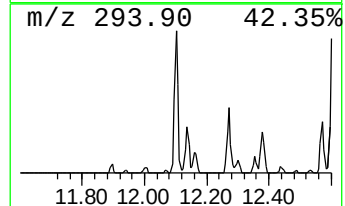
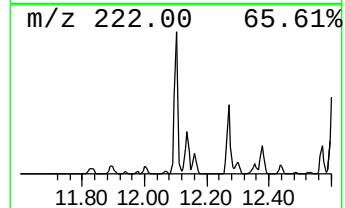
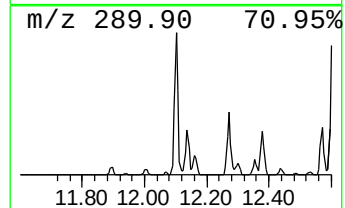
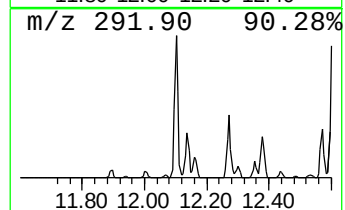
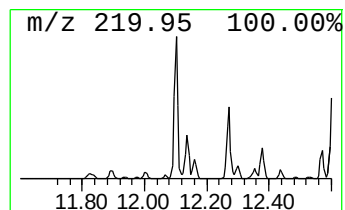
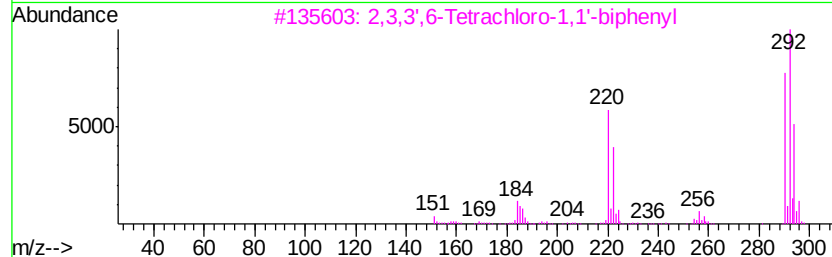
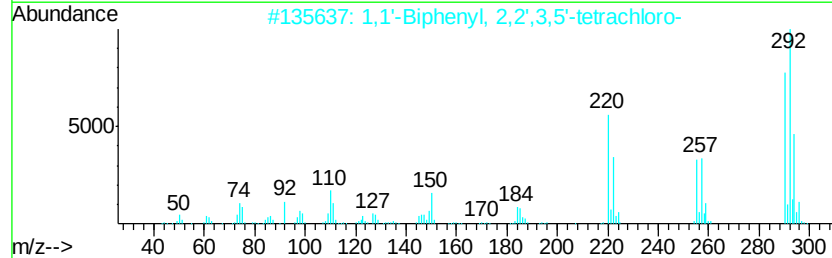
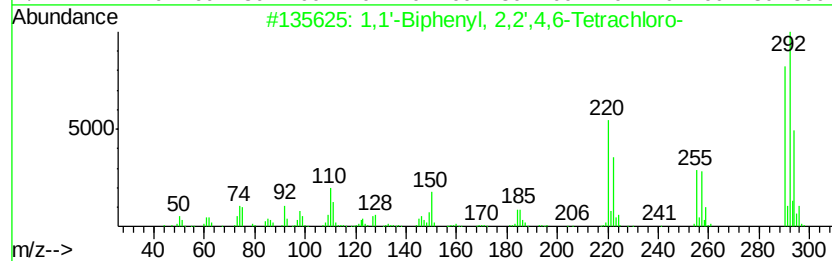
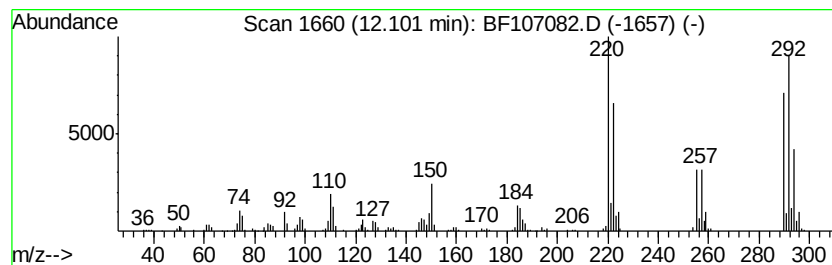
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	18.84 ng	372264	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99
2		1,1'-Biphenyl, 2,2',3,5'-tetrach...	290	C12H6Cl4	041464-39-5	99
3		2,3,3',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-33-6	99
4		1,1'-Biphenyl, 2,2',5,6'-Tetrach...	290	C12H6Cl4	041464-41-9	99
5		2,2',4,6'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	068194-04-7	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\
Data File : BF107082.D
Acq On : 3 Jul 2018 15:14
Operator : JU/SJ
Sample : J3629-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
A0C2-04

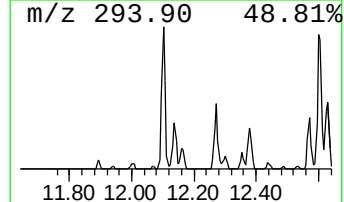
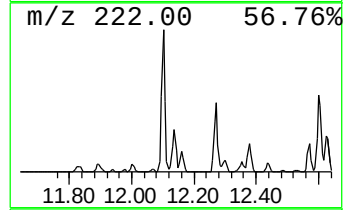
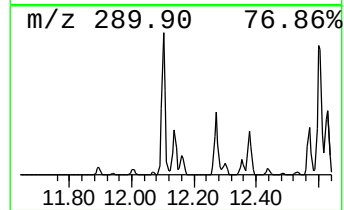
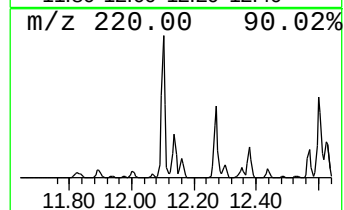
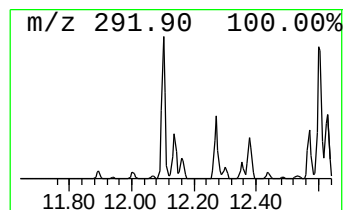
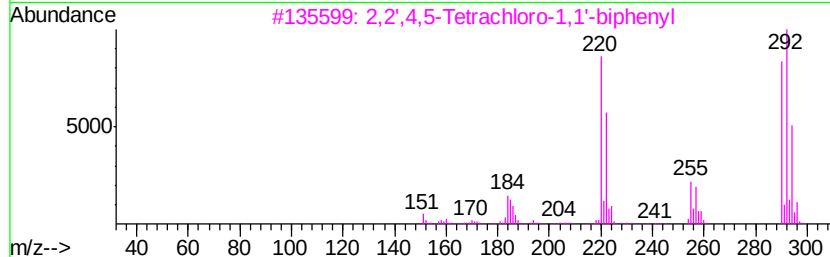
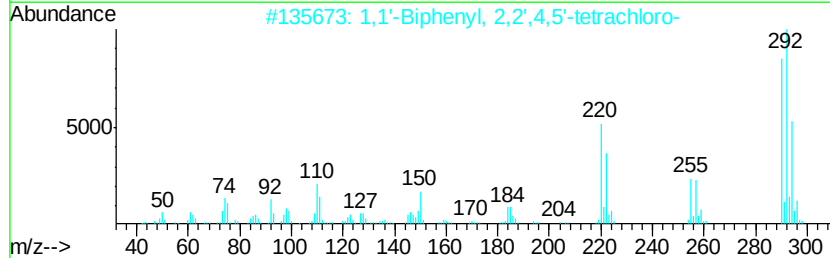
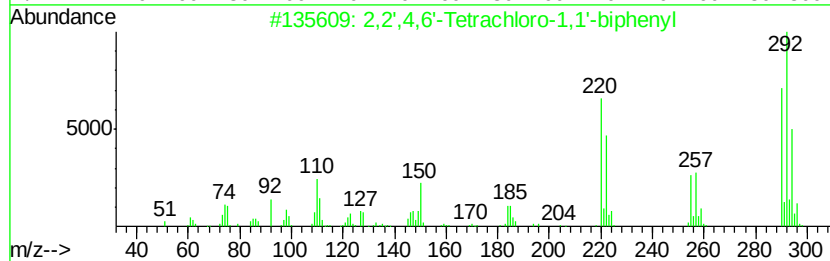
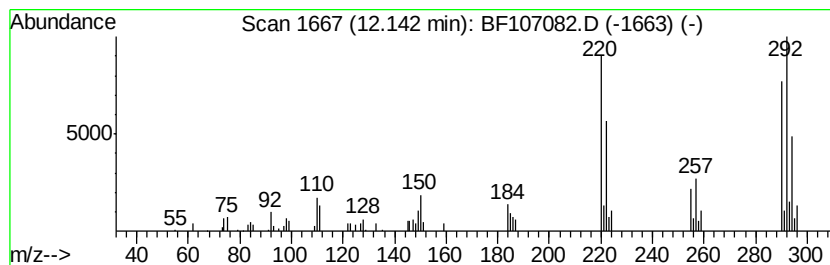
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 2,2',4,6'-Tetrachloro-1,1'-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	5.83 ng	115265	Phenanthrene-d10	11.50

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2,2',4,6'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	068194-04-7	99
2			1,1'-Biphenyl, 2,2',4,5'-tetrachloro-	290	C12H6Cl4	041464-40-8	99
3			2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99
4			1,1'-Biphenyl, 2,2',5,5'-tetrachloro-	290	C12H6Cl4	035693-99-3	99
5			1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	290	C12H6Cl4	041464-42-0	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\
Data File : BF107082.D
Acq On : 3 Jul 2018 15:14
Operator : JU/SJ
Sample : J3629-04
Misc :
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ClientSampleId :
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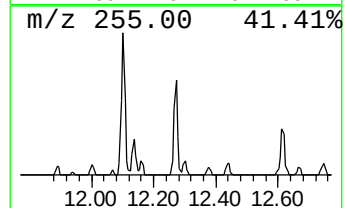
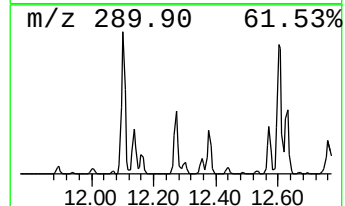
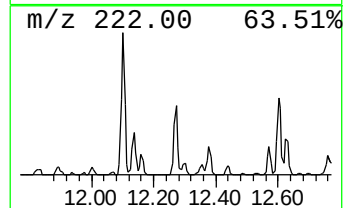
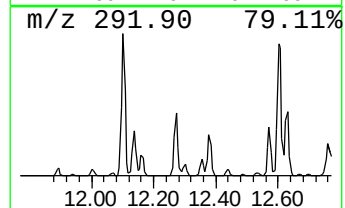
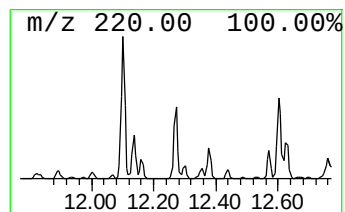
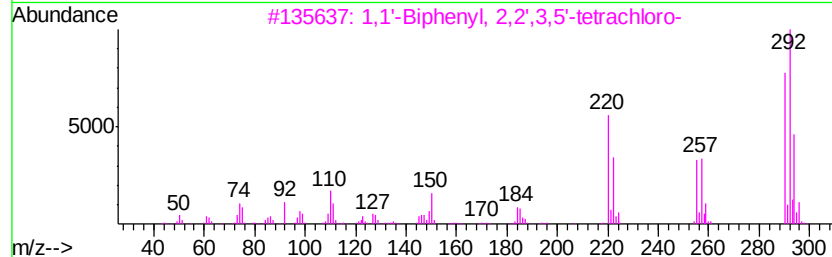
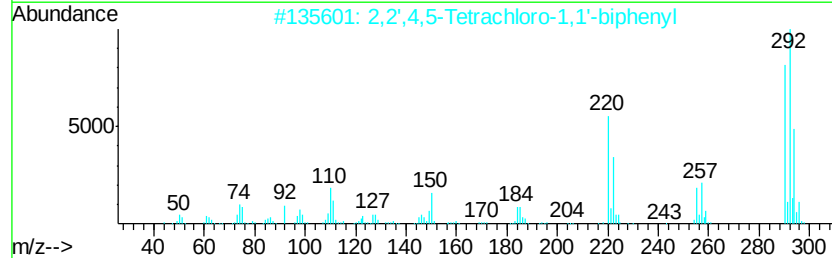
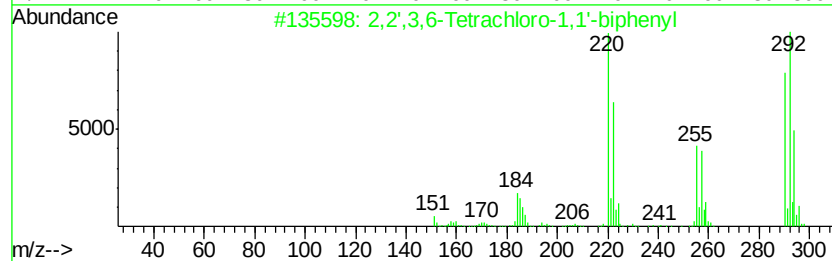
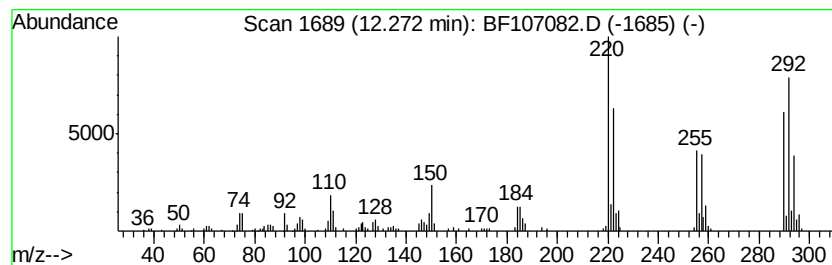
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 2,2',3,6-Tetrachloro-1,1'-b... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	10.29 ng	203357	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,2',3,6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-45-7	99
2		2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99
3		1,1'-Biphenyl, 2,2',3,5'-tetrach...	290	C12H6Cl4	041464-39-5	99
4		1,1'-Biphenyl, 2,2',5,6'-Tetrach...	290	C12H6Cl4	041464-41-9	99
5		1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\
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Sample : J3629-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

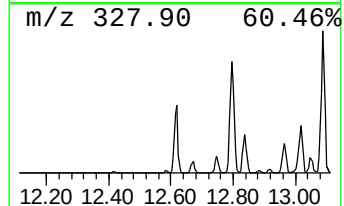
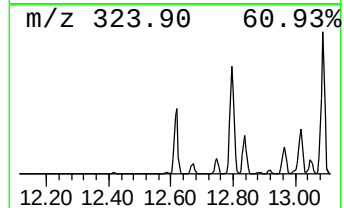
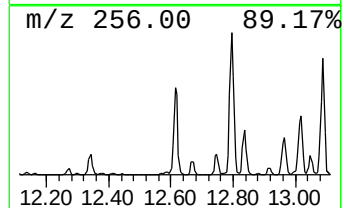
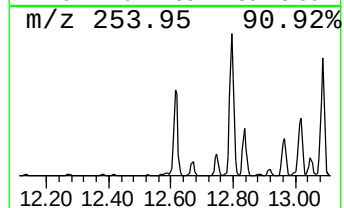
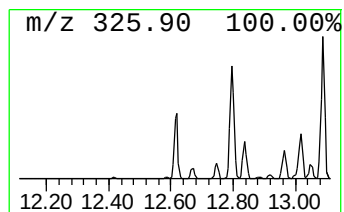
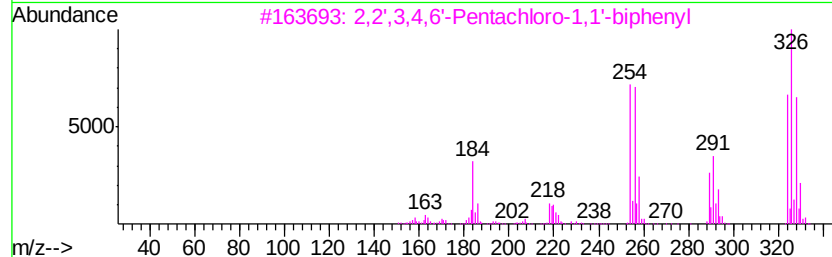
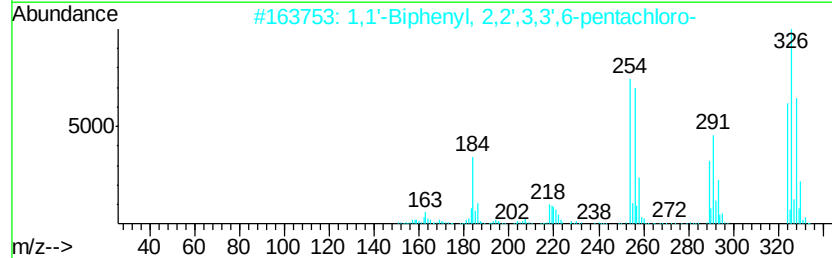
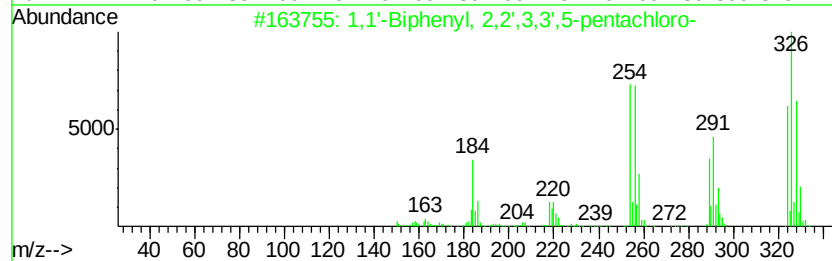
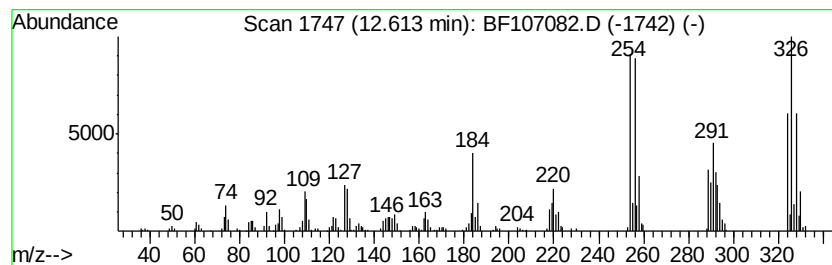
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ClientSampled :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.61	40.06 ng	791669	Phenanthrene-d10	11.50	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',5-penta...	324	C12H5Cl5	060145-20-2	99
2	1,1'-Biphenyl, 2,2',3,3',6-penta...	324	C12H5Cl5	052663-60-2	99
3	2,2',3,4,6'-Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-57-2	99
4	1,1'-Biphenyl, 2,2',3,5',6-penta...	324	C12H5Cl5	038379-99-6	99
5	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\
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Acq On : 3 Jul 2018 15:14
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Sample : J3629-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

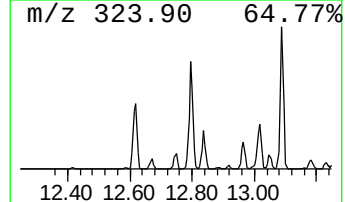
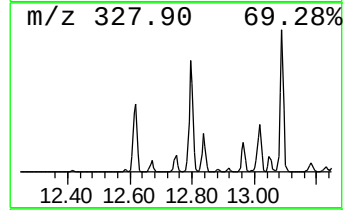
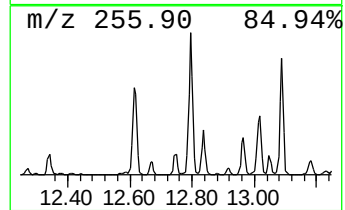
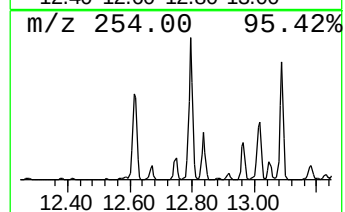
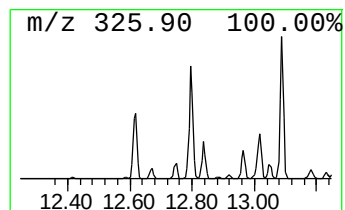
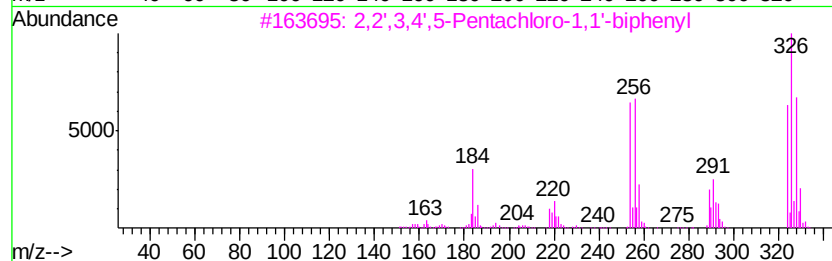
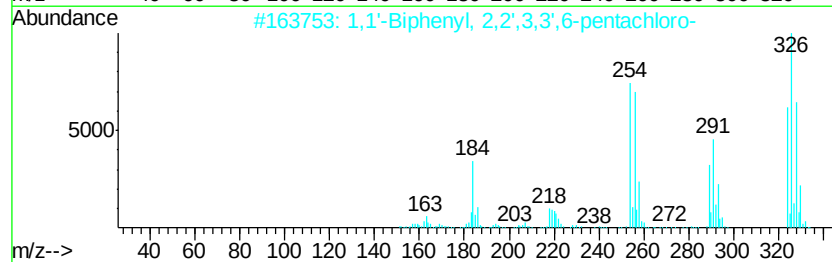
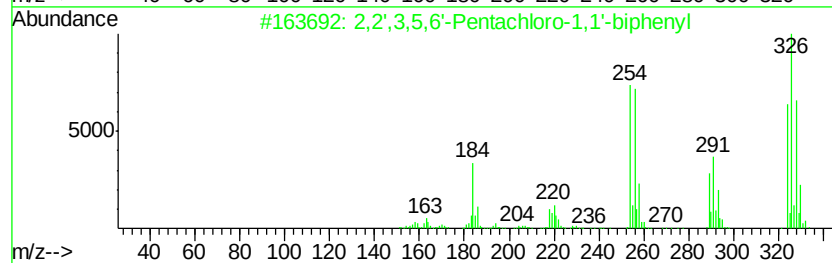
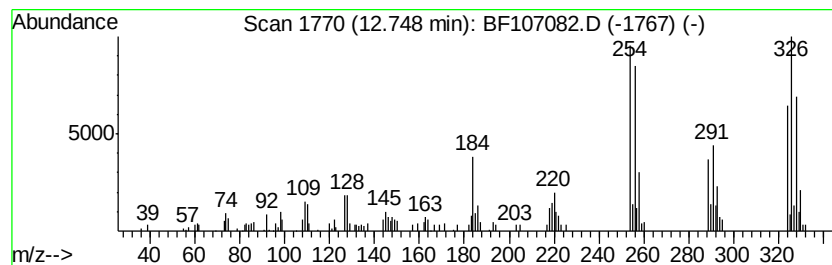
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 2,2',3,5,6'-Pentachloro-1,1... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.75	8.55 ng	169040	Phenanthrene-d10	11.50	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,5,6'-Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-55-0	99
2	1,1'-Biphenyl, 2,2',3,3',6-penta...	324	C12H5Cl5	052663-60-2	99
3	2,2',3,4',5-Pentachloro-1,1'-bip...	324	C12H5Cl5	068194-07-0	99
4	1,1'-Biphenyl, 2,2',3,3',5-penta...	324	C12H5Cl5	060145-20-2	99
5	2,2',3,4,6'-Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-57-2	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\
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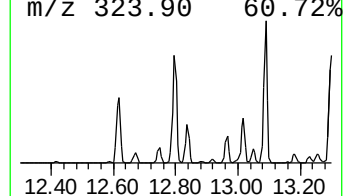
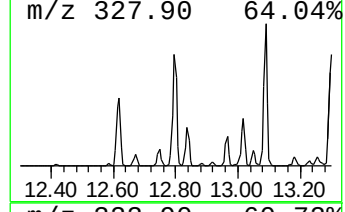
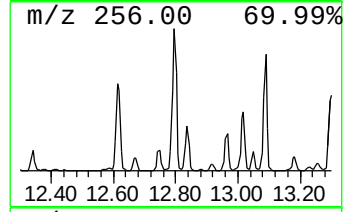
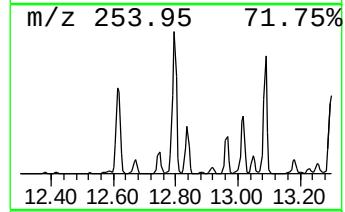
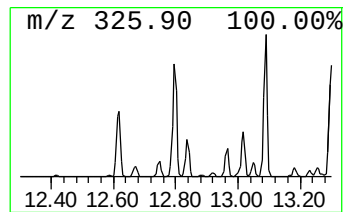
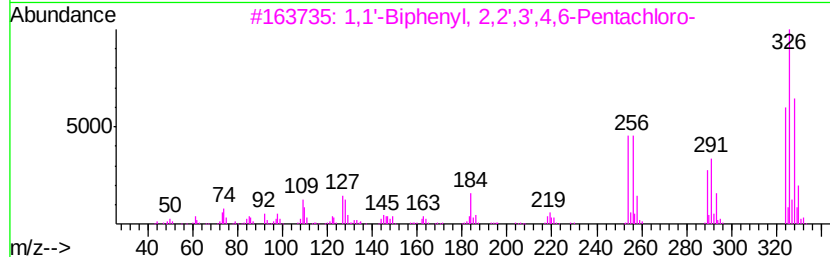
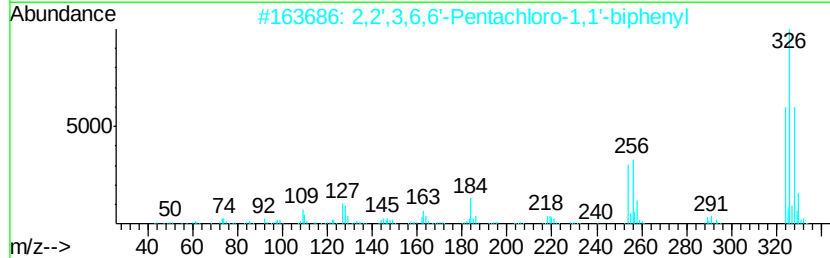
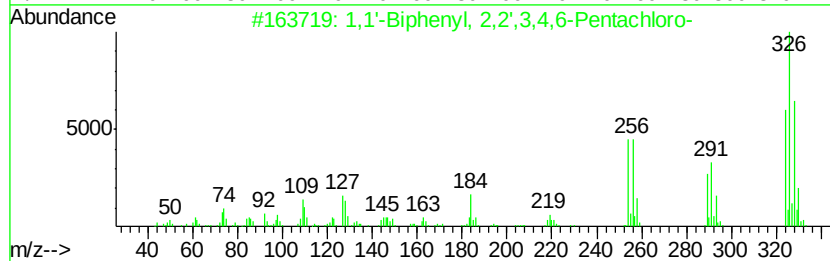
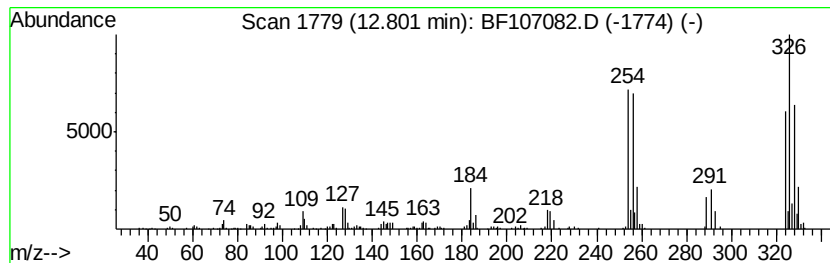
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 1,1'-Biphenyl, 2,2',3,4,6-P... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.80	33.67 ng	665489	Phenanthrene-d10	11.50	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,6-Pentac...	324	C12H5Cl5	055215-17-3	99
2	2,2',3,6,6'-Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-54-9	99
3	1,1'-Biphenyl, 2,2',3',4,6-Penta...	324	C12H5Cl5	060233-25-2	98
4	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	98
5	2,3,3',4,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	070362-41-3	98



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\
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Acq On : 3 Jul 2018 15:14
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Misc :
ALS Vial : 13 Sample Multiplier: 1

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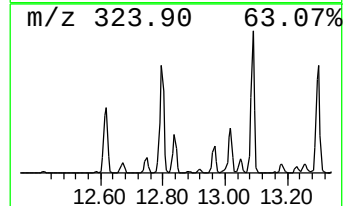
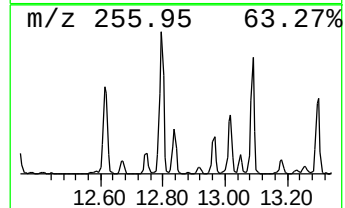
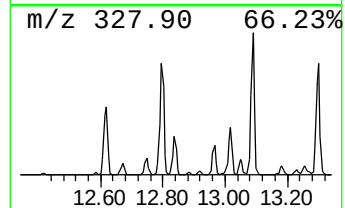
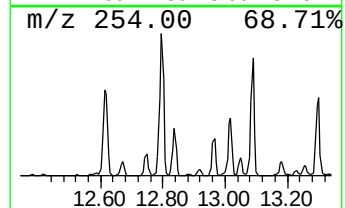
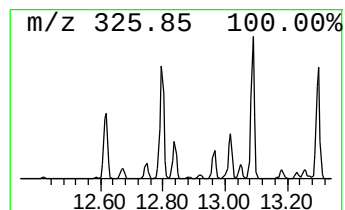
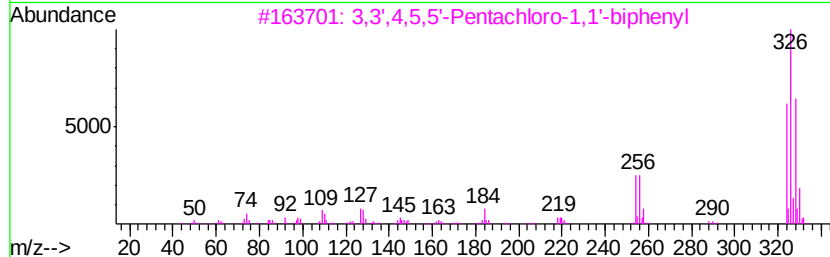
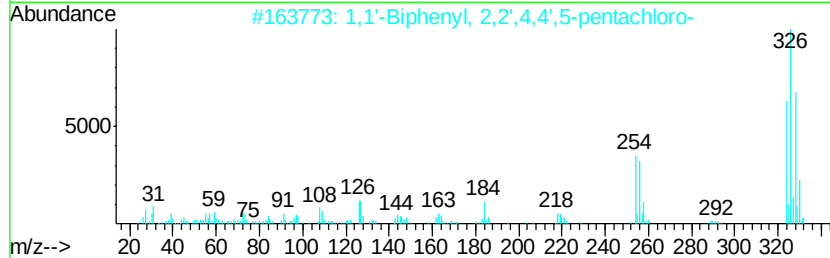
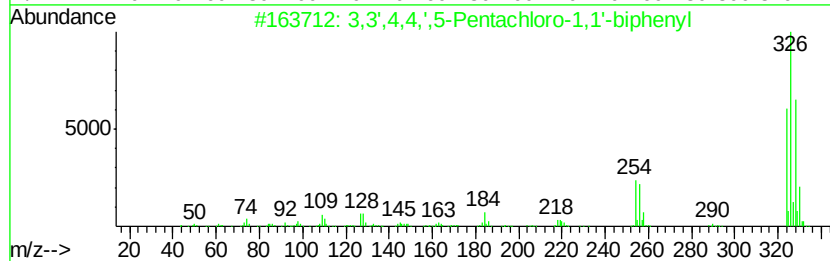
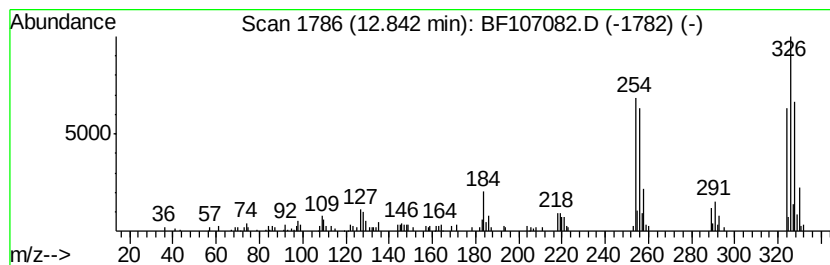
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 3,3',4,4',5-Pentachloro-1,... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.84	7.66 ng	192018	Chrysene-d12	14.15

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,3',4,4',5-Pentachloro-1,1'-bi...	324	C12H5Cl5	057465-28-8	99		
2	1,1'-Biphenyl, 2,2',4,4',5-penta...	324	C12H5Cl5	038380-01-7	99		
3	3,3',4,5,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	039635-33-1	99		
4	2,3,3',5,6-Pentachloro-1,1'-biph...	324	C12H5Cl5	074472-36-9	99		
5	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99		



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\
Data File : BF107082.D
Acq On : 3 Jul 2018 15:14
Operator : JU/SJ
Sample : J3629-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

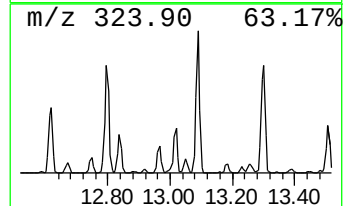
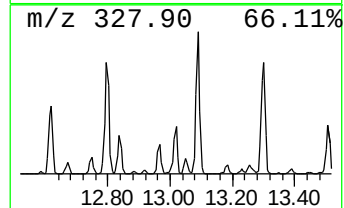
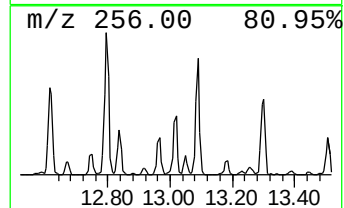
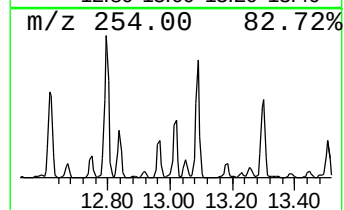
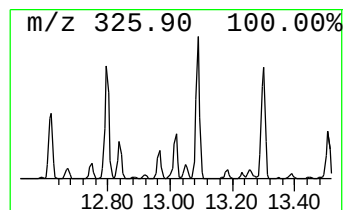
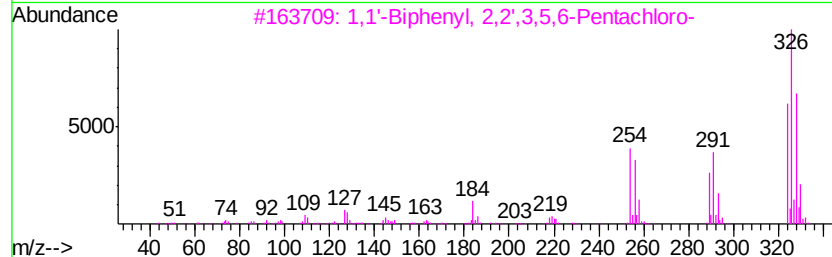
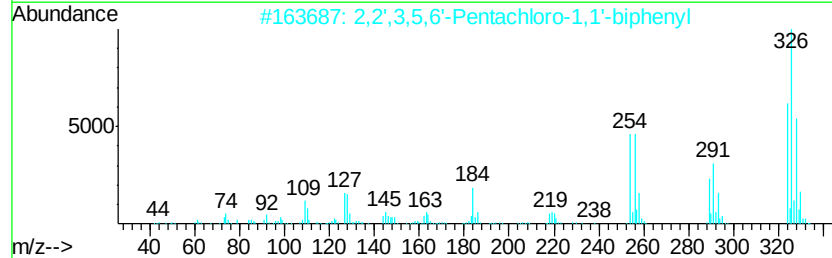
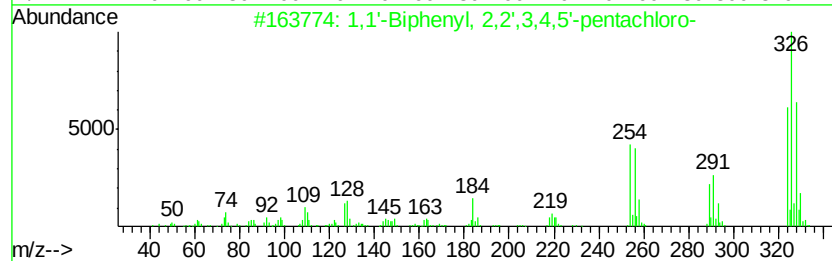
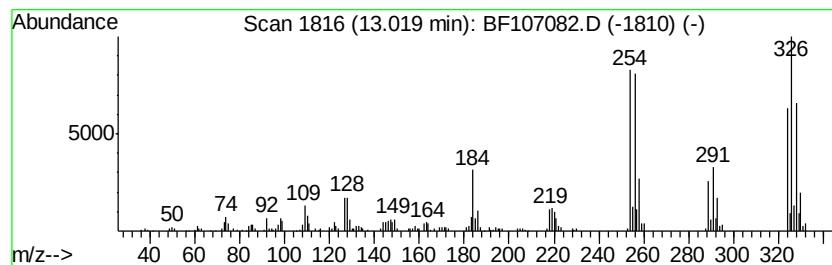
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 1,1'-Biphenyl, 2,2',3,4,5'-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.02	11.44 ng	286816	Chrysene-d12	14.15	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,5'-penta...	324	C12H5Cl5	038380-02-8	99
2	2,2',3,5,6'-Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-55-0	99
3	1,1'-Biphenyl, 2,2',3,5,6-Pentac...	324	C12H5Cl5	073575-56-1	99
4	1,1'-Biphenyl, 2,2',3',4,6-Penta...	324	C12H5Cl5	060233-25-2	99
5	1,1'-Biphenyl, 2,2',4,5',6-Penta...	324	C12H5Cl5	060145-21-3	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\
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Acq On : 3 Jul 2018 15:14
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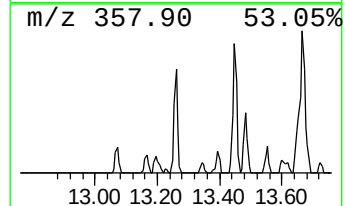
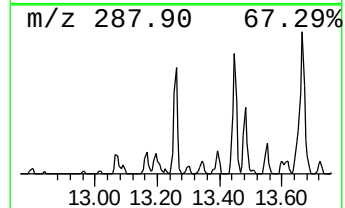
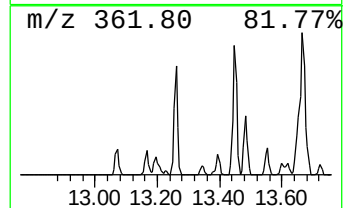
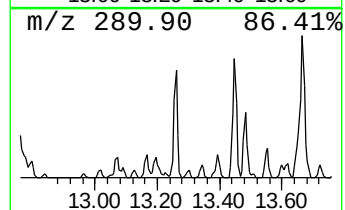
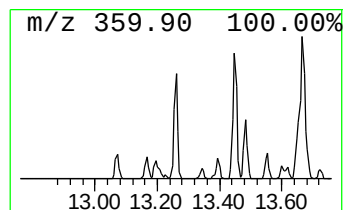
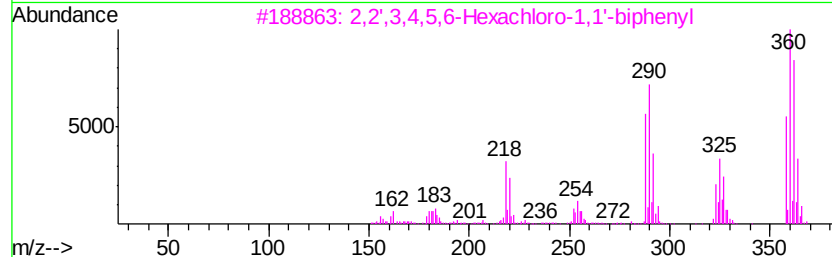
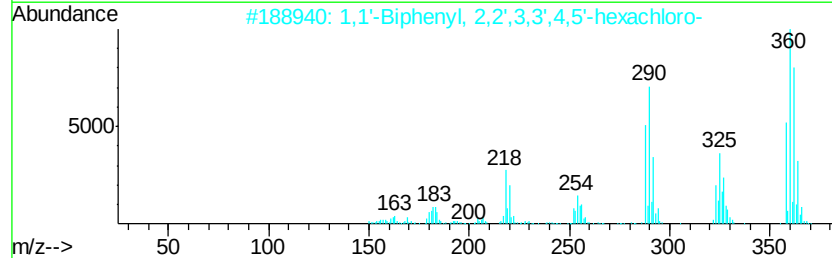
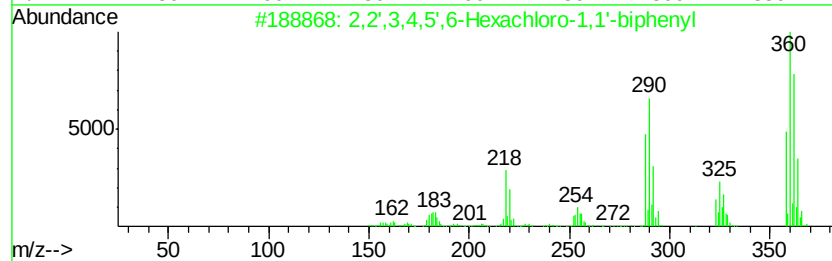
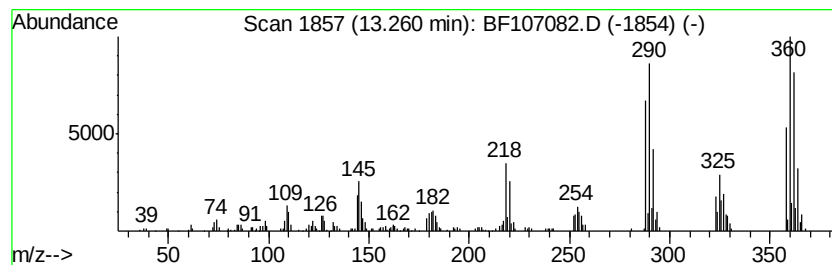
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 2,2',3,4,5',6-Hexachloro-1,... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.26	11.58 ng	290308	Chrysene-d12	14.15	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,4,5',6-Hexachloro-1,1'-bi...	358	C12H4Cl6	068194-14-9	99
2	1,1'-Biphenyl, 2,2',3,3',4,5'-he...	358	C12H4Cl6	052663-66-8	99
3	2,2',3,4,5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-61-4	99
4	2,2',3,4',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	068194-13-8	99
5	1,1'-Biphenyl, 2,3,3',4,5,6-hexa...	358	C12H4Cl6	041411-62-5	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\
Data File : BF107082.D
Acq On : 3 Jul 2018 15:14
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Sample : J3629-04
Misc :
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Instrument :
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ClientSampleId :
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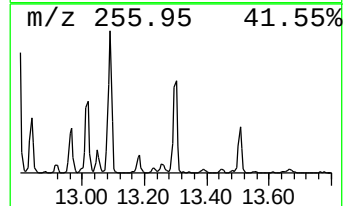
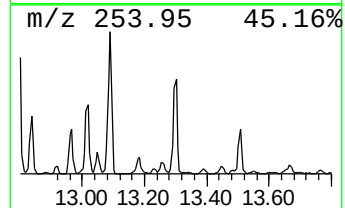
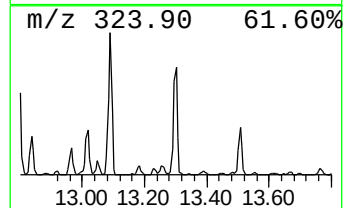
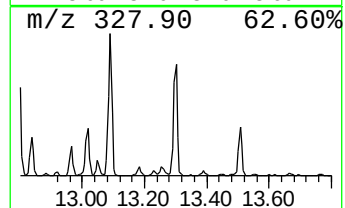
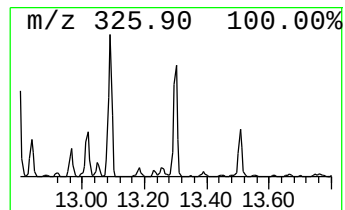
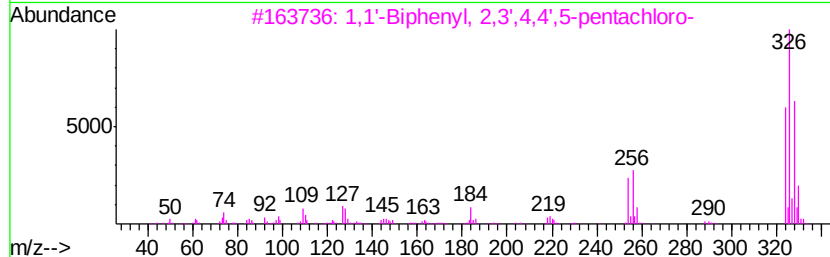
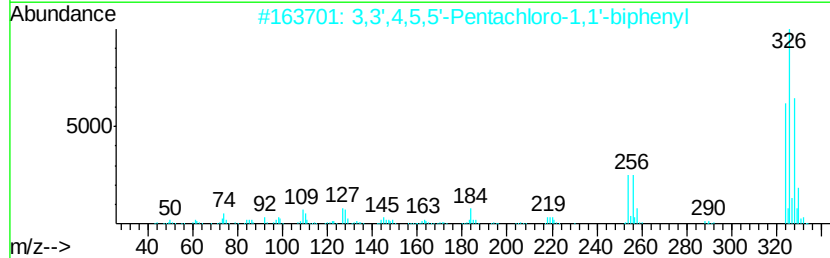
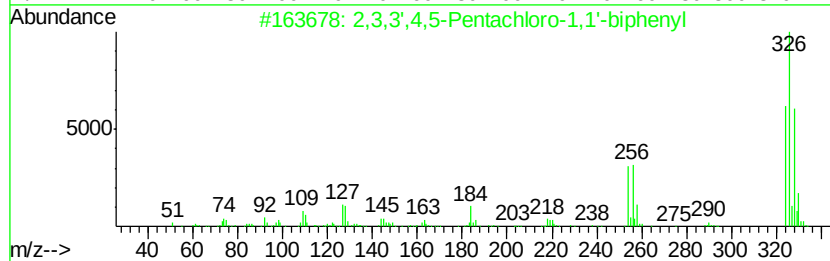
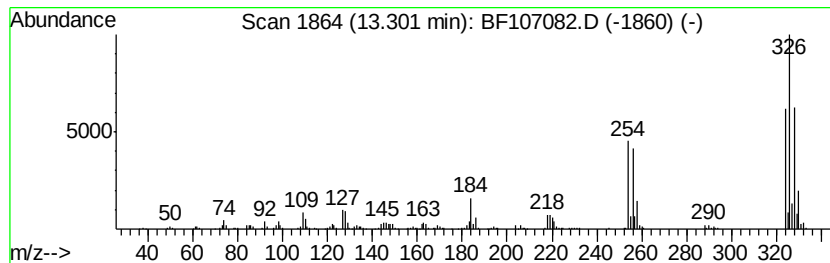
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.30	17.17 ng	430260	Chrysene-d12	14.15

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,3,3',4,5-Pentachloro-1,1'-biph...	324	C12H5Cl5	070424-69-0	99
2		3,3',4,5,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	039635-33-1	99
3		1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	99
4		1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
5		3,3',4,4',5-Pentachloro-1,1'-bi...	324	C12H5Cl5	057465-28-8	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\
Data File : BF107082.D
Acq On : 3 Jul 2018 15:14
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Sample : J3629-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

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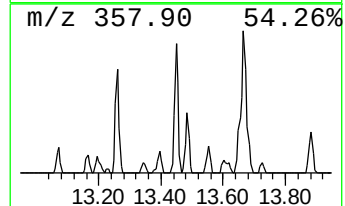
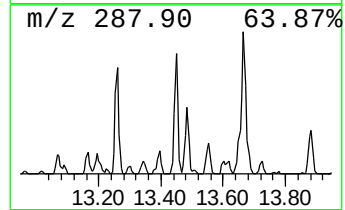
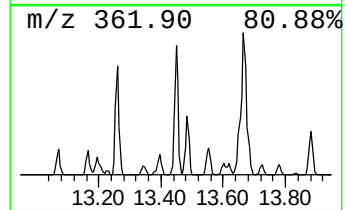
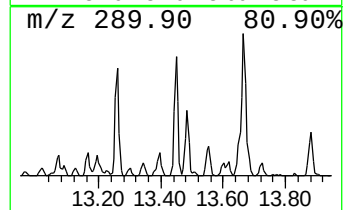
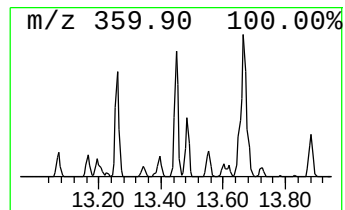
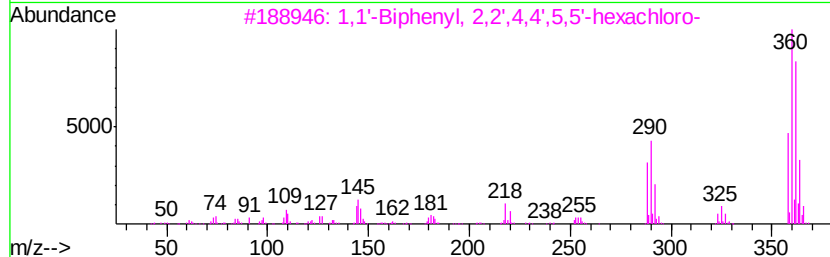
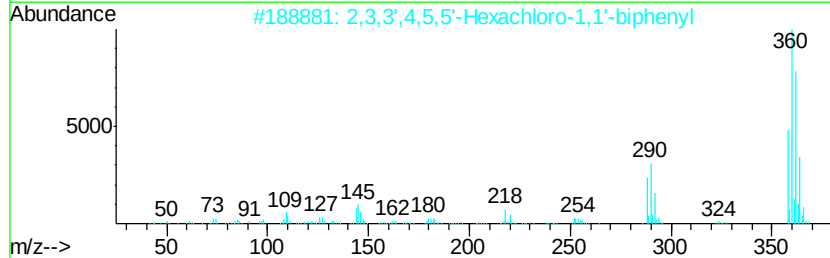
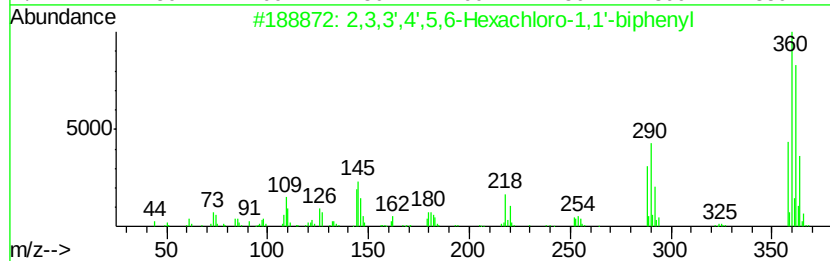
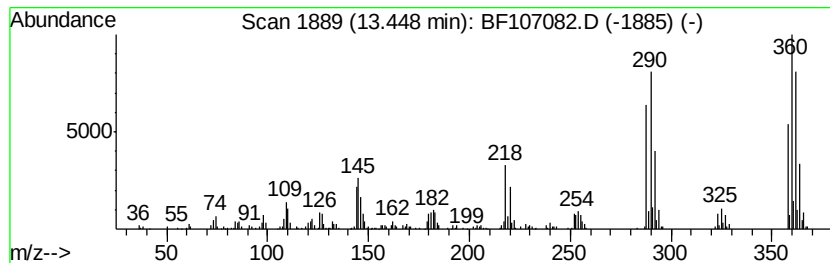
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 2,3,3',4',5,6-Hexachloro-1,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	11.81 ng	296080	Chrysene-d12	14.15

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,3,3',4',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-44-9	99
2		2,3,3',4,5,5'-Hexachloro-1,1'-bi...	358	C12H4Cl6	039635-35-3	99
3		1,1'-Biphenyl, 2,2',4,4',5,5'-he...	358	C12H4Cl6	035065-27-1	99
4		2,3,3',4,4',6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-42-7	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\BF070318\
Data File : BF107082.D
Acq On : 3 Jul 2018 15:14
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Sample : J3629-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

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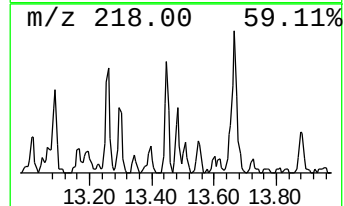
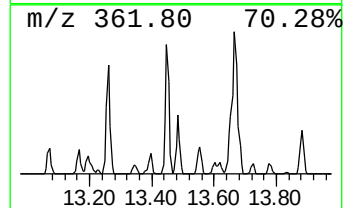
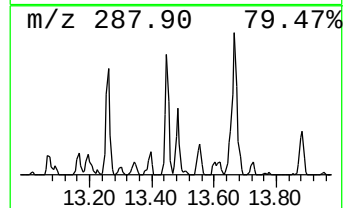
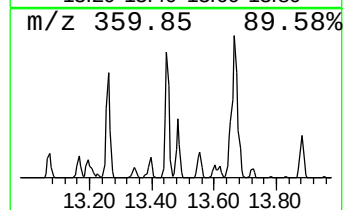
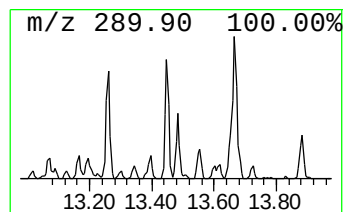
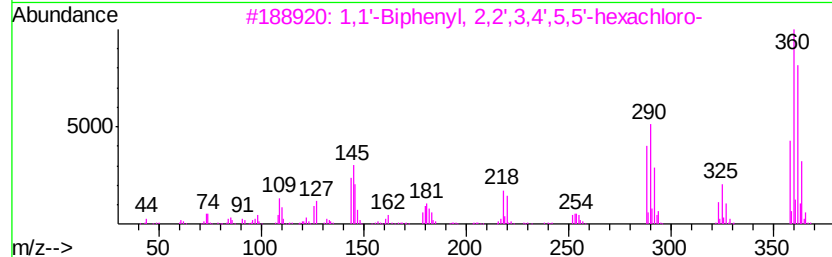
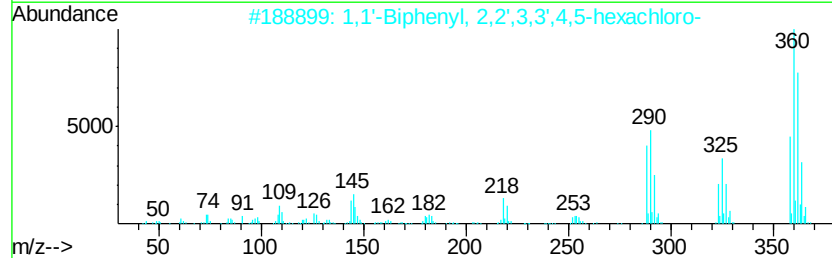
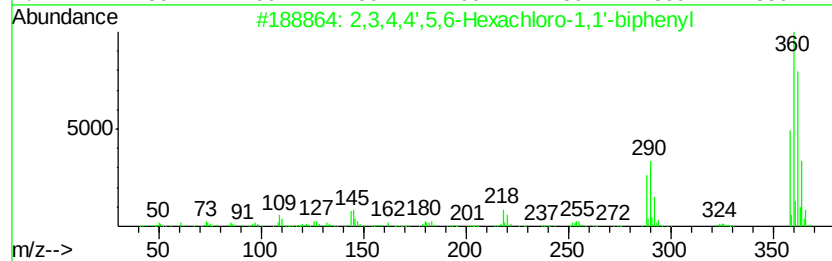
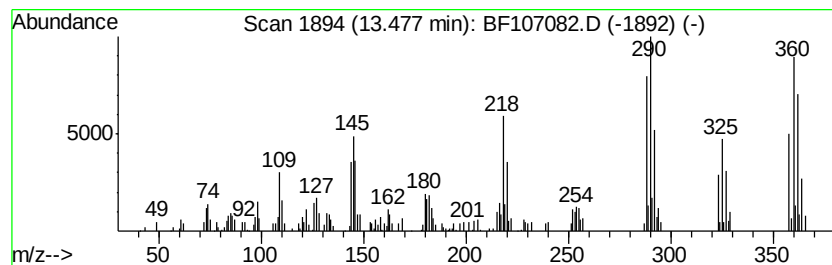
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 2,3,4,4',5,6-Hexachloro-1,1... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	6.76 ng	169450	Chrysene-d12	14.15

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,4,4',5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-63-6	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',5,5'-he...	358	C12H4Cl6	051908-16-8	99		
4	1,1'-Biphenyl, 2,2',3,3',5,5'-He...	358	C12H4Cl6	035694-04-3	99		
5	1,1'-Biphenyl, 2,2',3,3',4,6-Hex...	358	C12H4Cl6	061798-70-7	99		



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\
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Misc :
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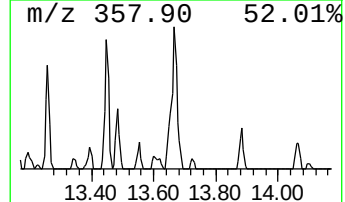
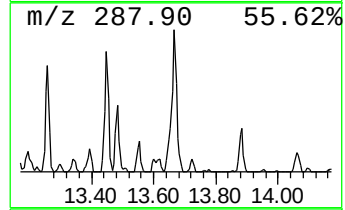
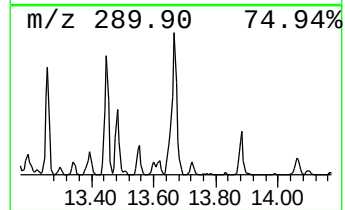
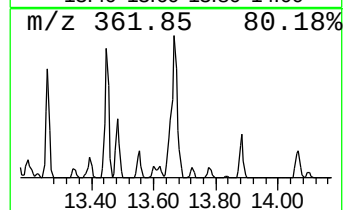
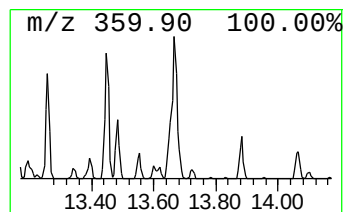
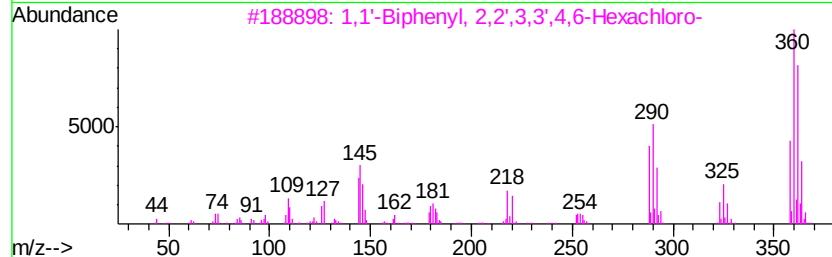
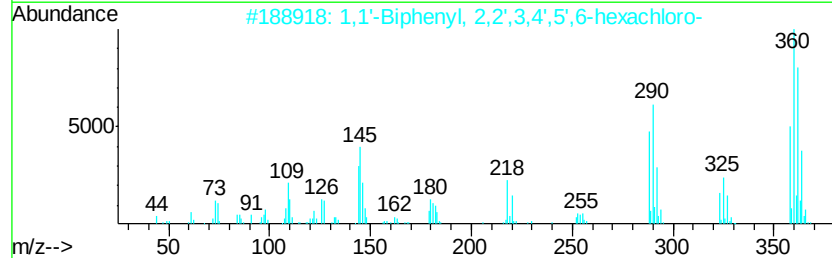
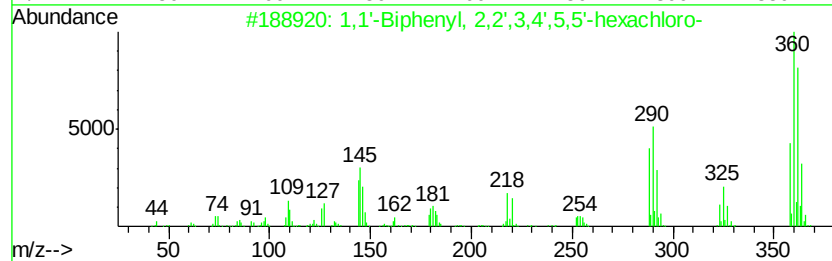
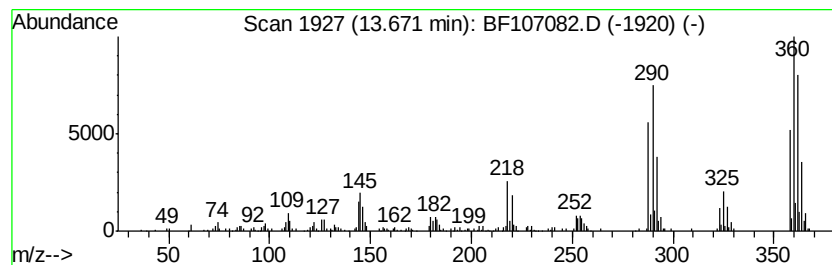
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.67	19.22 ng	481703	Chrysene-d12	14.15	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	99
2	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	99
3	1,1'-Biphenyl, 2,2',3,3',4,6-Hex...	358	C12H4Cl6	061798-70-7	99
4	2,3,4,4',5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-63-6	99
5	1,1'-Biphenyl, 2,2',3,4,4',5-hex...	358	C12H4Cl6	035694-06-5	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\
Data File : BF107082.D
Acq On : 3 Jul 2018 15:14
Operator : JU/SJ
Sample : J3629-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
A0C2-04

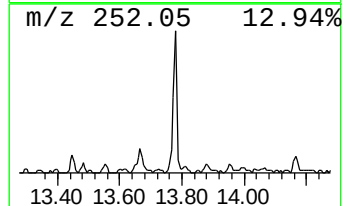
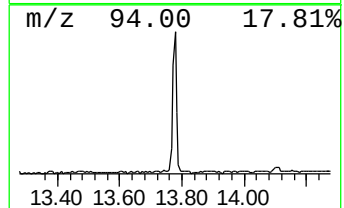
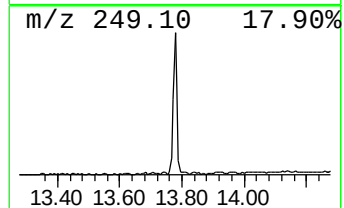
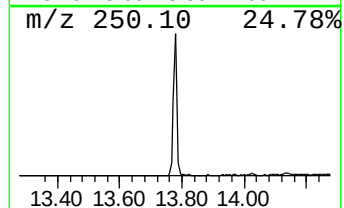
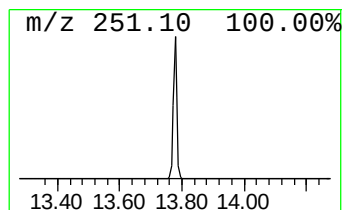
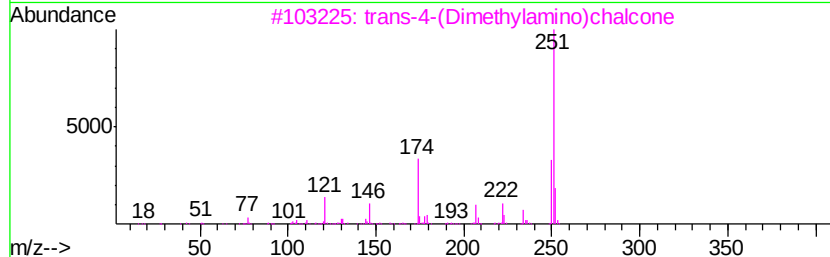
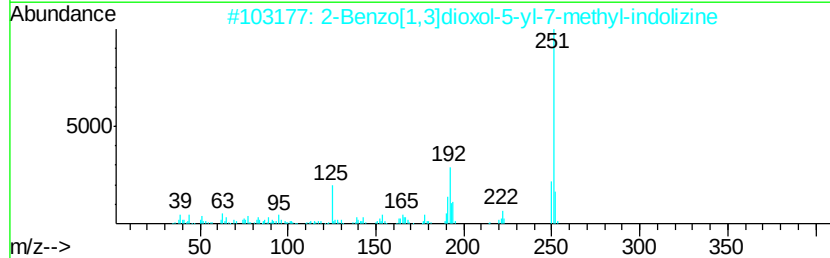
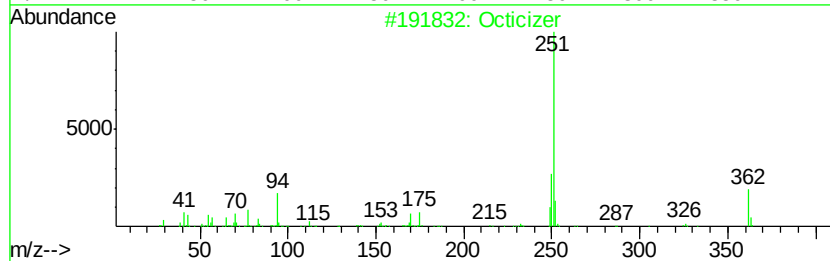
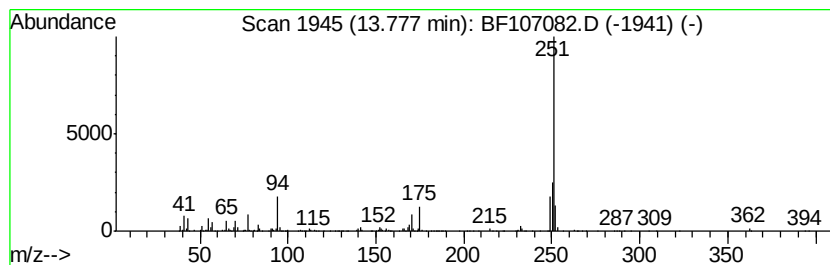
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Octicizer Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	17.06 ng	427648	Chrysene-d12	14.15

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octicizer	362	C20H27O4P	001241-94-7	97
2		2-Benzo[1,3]dioxol-5-yl-7-methyl...	251	C16H13N02	1000274-75-9	53
3		trans-4-(Dimethylamino)chalcone	251	C17H17N0	022965-98-6	53
4		Phosphoric acid, isodecyl diphen...	390	C22H31O4P	029761-21-5	49
5		7-Amino-2,3-dihydro-5-phenyl-1H-...	251	C15H13N3O	004928-02-3	42



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070318\
 Data File : BF107082.D
 Acq On : 3 Jul 2018 15:14
 Operator : JU/SJ
 Sample : J3629-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A0C2-04

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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
unknown6.76	6.76	16.5	ng	256132	1	6.95	310384	20.0
1,1'-Biphenyl, 2,...	11.41	5.4	ng	107599	4	11.50	395244	20.0
1,1'-Biphenyl, 2'...	11.83	13.3	ng	261755	4	11.50	395244	20.0
1,1'-Biphenyl, 2,...	11.90	5.1	ng	100771	4	11.50	395244	20.0
1,1'-Biphenyl, 2,...	12.10	18.8	ng	372264	4	11.50	395244	20.0
2,2',4,6'-Tetrach...	12.14	5.8	ng	115265	4	11.50	395244	20.0
2,2',3,6-Tetrachl...	12.27	10.3	ng	203357	4	11.50	395244	20.0
1,1'-Biphenyl, 2,...	12.61	40.1	ng	791669	4	11.50	395244	20.0
2,2',3,5,6'-Penta...	12.75	8.6	ng	169040	4	11.50	395244	20.0
1,1'-Biphenyl, 2,...	12.80	33.7	ng	665489	4	11.50	395244	20.0
3,3',4,4',5-Pent...	12.84	7.7	ng	192018	5	14.15	501273	20.0
1,1'-Biphenyl, 2,...	13.02	11.4	ng	286816	5	14.15	501273	20.0
2,2',3,4,5',6-Hex...	13.26	11.6	ng	290308	5	14.15	501273	20.0
2,3,3',4,5-Pentac...	13.30	17.2	ng	430260	5	14.15	501273	20.0
2,3,3',4',5,6-Hex...	13.45	11.8	ng	296080	5	14.15	501273	20.0
2,3,4,4',5,6-Hexa...	13.48	6.8	ng	169450	5	14.15	501273	20.0
1,1'-Biphenyl, 2,...	13.67	19.2	ng	481703	5	14.15	501273	20.0
Octicizer	13.78	17.1	ng	427648	5	14.15	501273	20.0