

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
 Data File : BF111735.D
 Acq On : 27 Dec 2018 1:07
 Operator : JU/SJ
 Sample : J6388-12
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS010-1218-01

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	2.216	17	22	29	rVB	54086	84317	1.71%	0.091%
2	3.463	223	234	250	rBV	64290	137614	2.79%	0.148%
3	4.016	323	328	333	rBV	171864	221018	4.48%	0.238%
4	5.134	513	518	524	rVB	153409	195749	3.97%	0.211%
5	5.504	577	581	583	rBV	114210	128891	2.62%	0.139%
6	5.546	583	588	591	rVB	3424958	3288596	66.73%	3.545%
7	5.763	619	625	632	rBV	112040	110951	2.25%	0.120%
8	5.857	638	641	645	rVB	144755	120449	2.44%	0.130%
9	6.545	753	758	769	rVB3	2975491	4740188	96.19%	5.110%
10	6.681	776	781	784	rBV	3934781	3355801	68.09%	3.618%
11	6.904	815	819	825	rBV	1163083	939955	19.07%	1.013%
12	6.963	825	829	834	rBV4	49288	67867	1.38%	0.073%
13	7.063	842	846	849	rBV	3314279	2691463	54.61%	2.901%
14	7.157	859	862	869	rVB2	197171	194247	3.94%	0.209%
15	7.310	884	888	896	rVB	513175	539807	10.95%	0.582%
16	7.463	907	914	917	rBV	2313070	2052527	41.65%	2.213%
17	7.592	932	936	942	rVB	161518	166262	3.37%	0.179%
18	7.663	942	948	952	rBV2	176864	251462	5.10%	0.271%
19	7.840	975	978	983	rVB	280561	283645	5.76%	0.306%
20	7.916	983	991	995	rBV2	141581	239569	4.86%	0.258%
21	7.951	995	997	999	rVV	113967	136226	2.76%	0.147%
22	7.969	999	1000	1005	rVB	175843	145317	2.95%	0.157%
23	8.134	1024	1028	1031	rBV2	186443	241140	4.89%	0.260%
24	8.187	1031	1037	1040	rBV	1236048	1070331	21.72%	1.154%
25	8.339	1059	1063	1064	rBV2	83350	87942	1.78%	0.095%
26	8.357	1064	1066	1069	rVV2	101264	107024	2.17%	0.115%
27	8.416	1072	1076	1079	rBV	79472	70206	1.42%	0.076%
28	8.534	1091	1096	1099	rBV2	154712	173385	3.52%	0.187%
29	8.710	1123	1126	1129	rVB	121566	101821	2.07%	0.110%
30	8.898	1151	1158	1161	rBV3	75264	87626	1.78%	0.094%
31	8.939	1162	1165	1172	rVB	176794	183874	3.73%	0.198%
32	9.116	1192	1195	1197	rBV	163378	157168	3.19%	0.169%
33	9.145	1197	1200	1205	rVB	311033	310214	6.29%	0.334%
34	9.263	1215	1220	1223	rBV	3795743	3385100	68.69%	3.649%

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Integrator: RTE

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If leading or trailing edge < 100 prefer < Baseline drop else tangent >

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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.351	1231	1235	1239	rBV3	226347	321314	6.52%	0.346%
36	9.392	1239	1242	1248	rVB	184906	184006	3.73%	0.198%
37	9.463	1251	1254	1257	rBV2	66145	68046	1.38%	0.073%
38	9.504	1257	1261	1263	rBV	101905	121126	2.46%	0.131%
39	9.651	1283	1286	1290	rVB2	705717	671742	13.63%	0.724%
40	9.939	1332	1335	1339	rVB	1108992	1017342	20.64%	1.097%
41	10.104	1360	1363	1367	rBV	396651	356487	7.23%	0.384%
42	10.351	1402	1405	1406	rBV3	67057	68924	1.40%	0.074%
43	10.369	1406	1408	1411	rVB2	131085	111226	2.26%	0.120%
44	10.457	1420	1423	1426	rVB2	99703	113508	2.30%	0.122%
45	10.728	1466	1469	1473	rBV	2084173	1926444	39.09%	2.077%
46	10.857	1486	1491	1494	rBV2	217984	358289	7.27%	0.386%
47	10.969	1508	1510	1513	rVB3	98252	83650	1.70%	0.090%
48	11.039	1520	1522	1525	rBV	131210	113141	2.30%	0.122%
49	11.069	1525	1527	1529	rBV2	79340	74405	1.51%	0.080%
50	11.133	1535	1538	1542	rBV3	141404	204062	4.14%	0.220%
51	11.251	1556	1558	1560	rBV3	83106	72378	1.47%	0.078%
52	11.428	1585	1588	1591	rBV	1131929	898461	18.23%	0.969%
53	11.475	1594	1596	1600	rVB2	290202	304559	6.18%	0.328%
54	11.539	1604	1607	1611	rVB	948465	910756	18.48%	0.982%
55	11.586	1612	1615	1617	rBV	116357	118670	2.41%	0.128%
56	11.886	1664	1666	1668	rBV	241927	210900	4.28%	0.227%
57	11.963	1675	1679	1687	rVB4	689609	841685	17.08%	0.907%
58	12.075	1696	1698	1701	rVB2	492857	447361	9.08%	0.482%
59	12.516	1771	1773	1776	rBV2	201435	194638	3.95%	0.210%
60	12.557	1777	1780	1785	rVB2	1743773	1760443	35.72%	1.898%
61	12.692	1801	1803	1807	rVB3	392538	399299	8.10%	0.430%
62	12.739	1808	1811	1815	rBV	2118079	2043443	41.46%	2.203%
63	12.898	1835	1838	1842	rBV	1302061	1286766	26.11%	1.387%
64	12.957	1846	1848	1850	rVB	370192	253808	5.15%	0.274%
65	13.016	1854	1858	1863	rVV2	3815174	4415898	89.60%	4.760%
66	13.110	1871	1874	1877	rBV	1997841	1826016	37.05%	1.968%
67	13.139	1877	1879	1886	rVB	898316	1108120	22.49%	1.195%
68	13.210	1887	1891	1894	rBV	5070956	4736632	96.11%	5.106%
69	13.239	1894	1896	1901	rVB2	538514	636229	12.91%	0.686%
70	13.286	1902	1904	1907	rVB3	308497	244370	4.96%	0.263%
71	13.339	1911	1913	1918	rVB	670496	608577	12.35%	0.656%

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 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

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72	13.404	1919	1924	1926	rBV	4704909	4928193	100.00%	5.313%
73	13.427	1926	1928	1931	rVV	1435407	1175469	23.85%	1.267%
74	13.504	1935	1941	1944	rVB3	2470548	3515157	71.33%	3.789%
75	13.563	1949	1951	1954	rVV2	616224	600336	12.18%	0.647%
76	13.616	1954	1960	1963	rVV	3145315	4702975	95.43%	5.070%
77	13.645	1963	1965	1968	rVB	575097	505477	10.26%	0.545%
78	13.716	1974	1977	1981	rVB	3022009	2693039	54.65%	2.903%
79	13.757	1981	1984	1988	rBV	1407038	1284708	26.07%	1.385%
80	13.821	1993	1995	1997	rBV	392266	348657	7.07%	0.376%
81	13.904	2005	2009	2013	rBV3	2981386	3785467	76.81%	4.081%
82	13.939	2013	2015	2019	rVB2	1541554	1267503	25.72%	1.366%
83	14.074	2036	2038	2041	rVV	729261	558853	11.34%	0.602%
84	14.116	2041	2045	2048	rVB	3948725	4089262	82.98%	4.408%
85	14.327	2078	2081	2084	rBV	1837604	1832392	37.18%	1.975%
86	14.368	2085	2088	2093	rVB2	1027633	986741	20.02%	1.064%
87	14.416	2093	2096	2098	rBV	1007078	817117	16.58%	0.881%
88	14.539	2114	2117	2124	rVB	2034741	2688841	54.56%	2.899%
89	14.786	2157	2159	2164	rVB3	767732	836614	16.98%	0.902%
90	15.204	2227	2230	2232	rBV	747399	967218	19.63%	1.043%

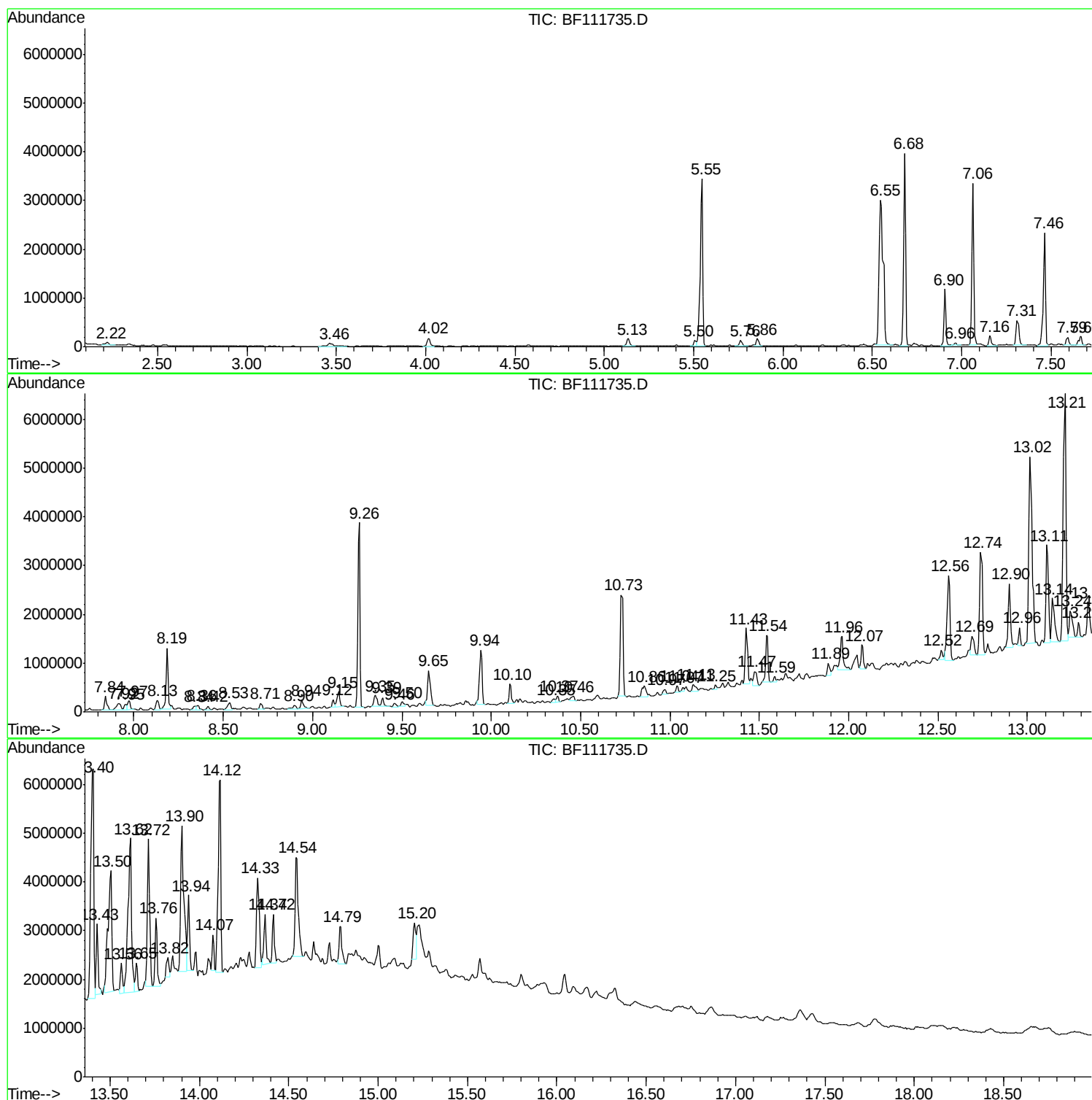
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ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
P001-SS010-1218-01

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



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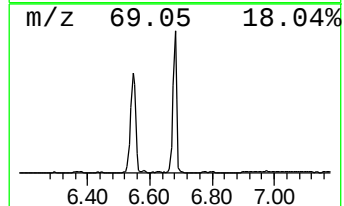
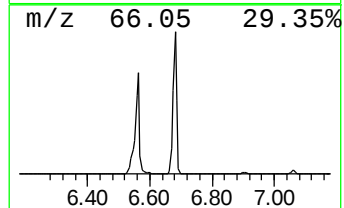
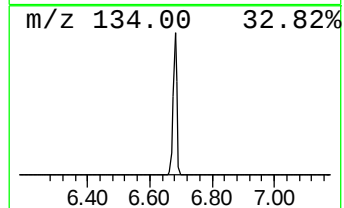
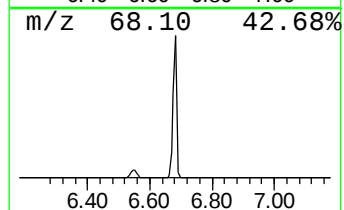
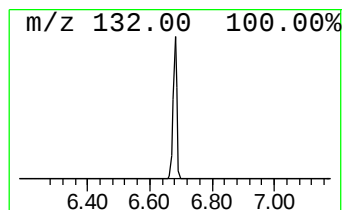
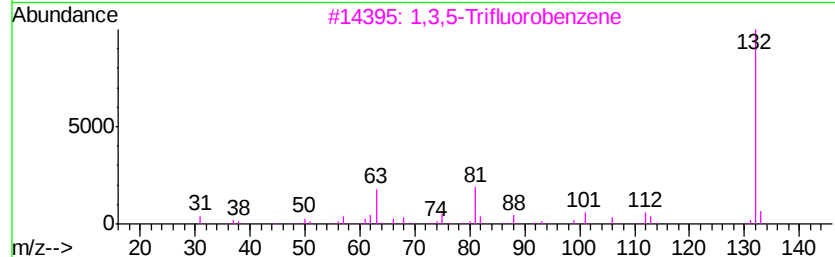
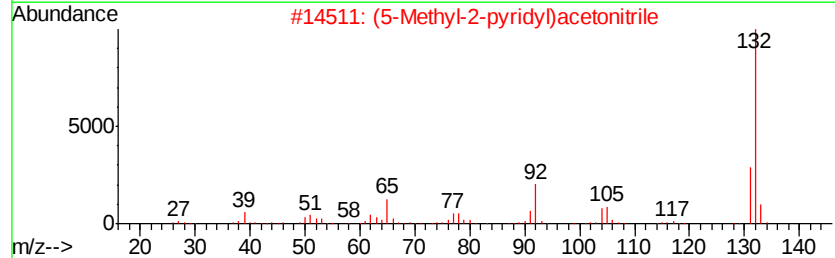
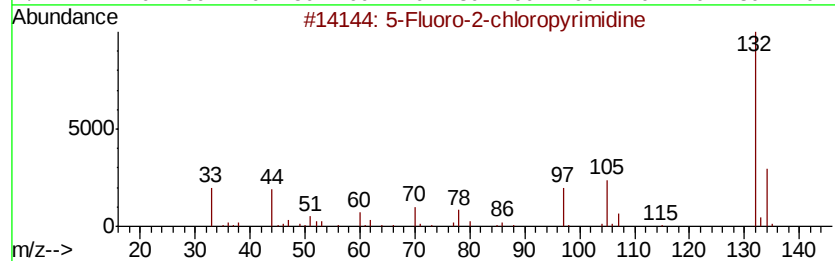
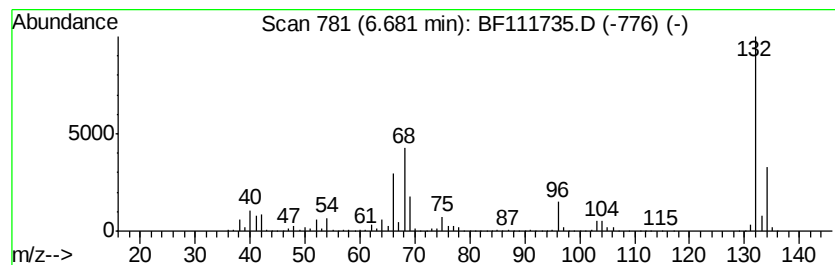
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.68 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	71.40 ng	3355800	1,4-Dichlorobenzene-d4	6.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
2		(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	10
3		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
4		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	9
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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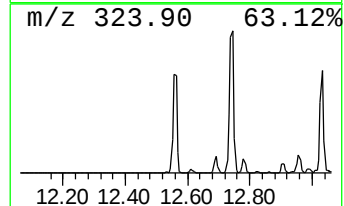
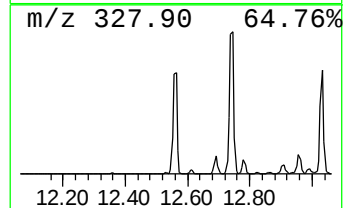
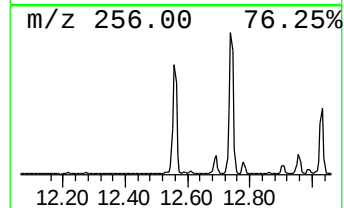
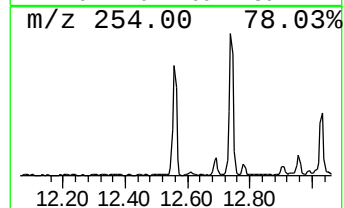
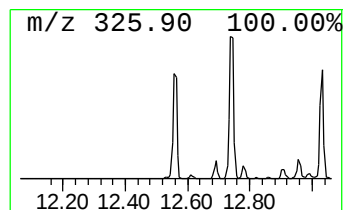
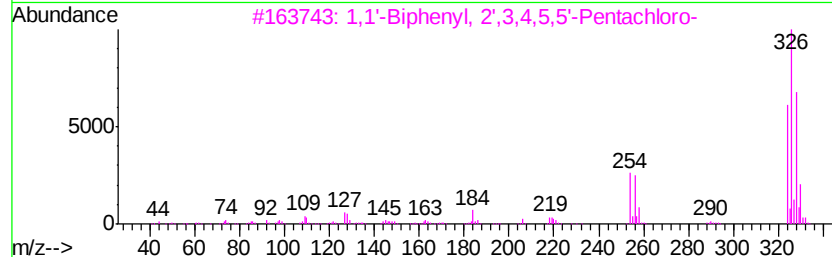
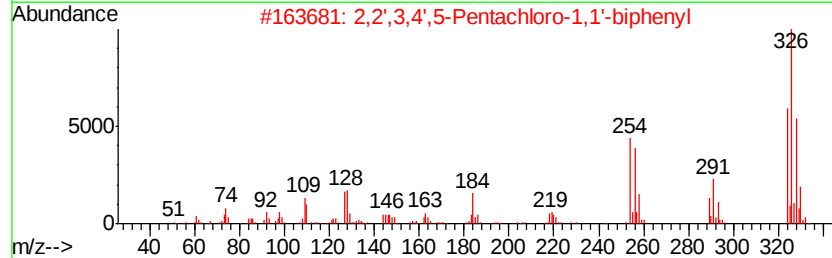
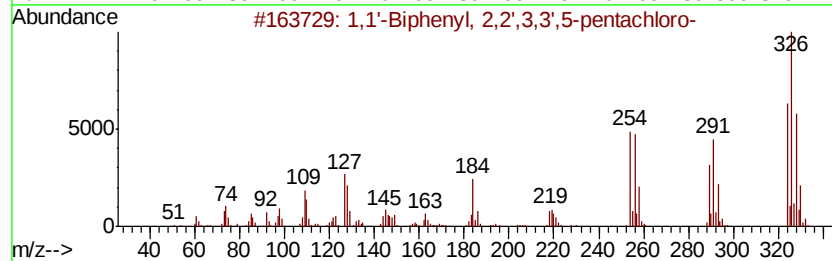
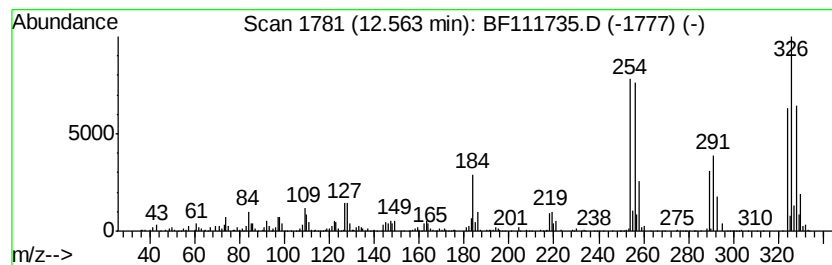
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.56	39.19 ng	1760440	Phenanthrene-d10	11.43	
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	2,2',3,4',5-Pentachloro-1,1'-bip...	324	C12H5Cl5	068194-07-0	99
3	1,1'-Biphenyl, 2',3,4,5,5'-Penta...	324	C12H5Cl5	070424-70-3	99
4	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	99
5	2,2',3,4',6-Pentachloro-1,1'-bip...	324	C12H5Cl5	068194-05-8	99



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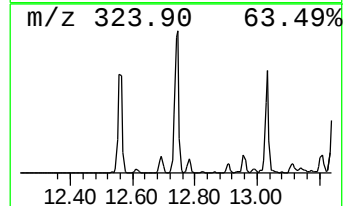
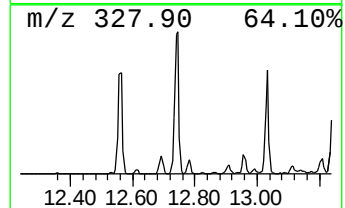
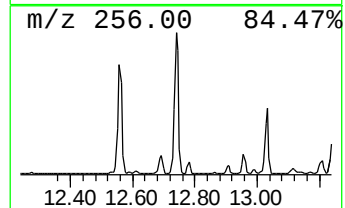
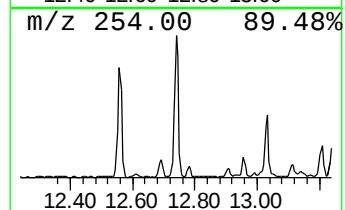
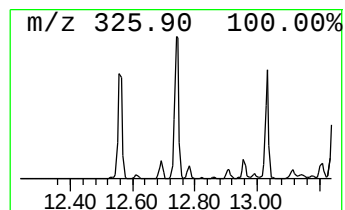
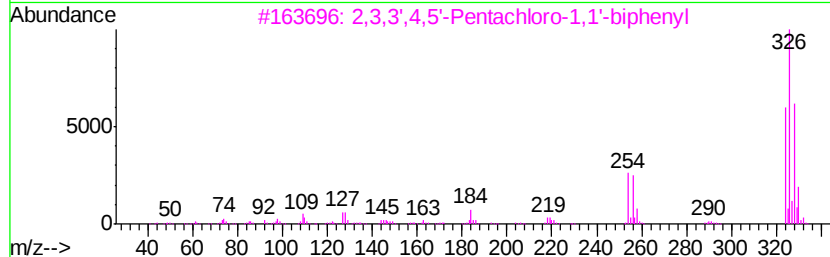
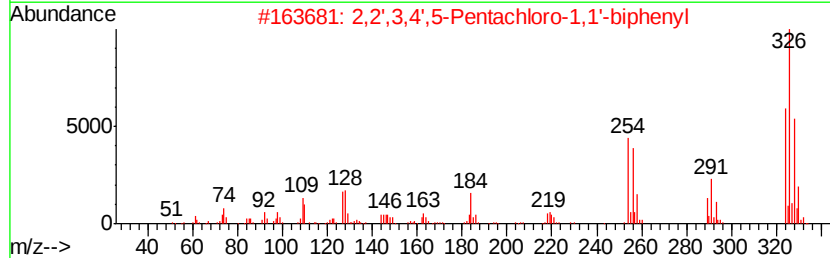
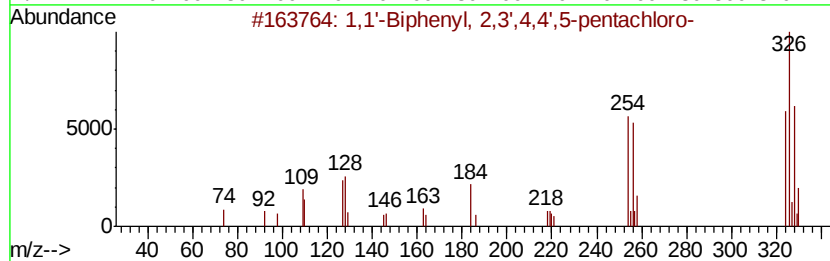
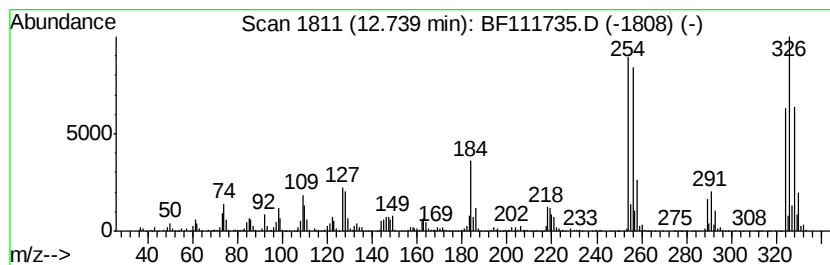
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.74	45.49 ng	2043440	Phenanthrene-d10	11.43	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	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'-bip...	324	C12H5Cl5	070362-41-3	99
4	1,1'-Biphenyl, 2,2',4,6,6'-Penta...	324	C12H5Cl5	056558-16-8	99
5	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
Data File : BF111735.D
Acq On : 27 Dec 2018 1:07
Operator : JU/SJ
Sample : J6388-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-SS010-1218-01

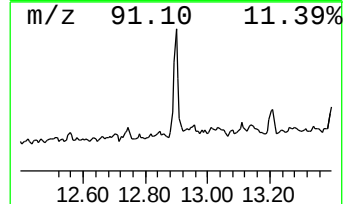
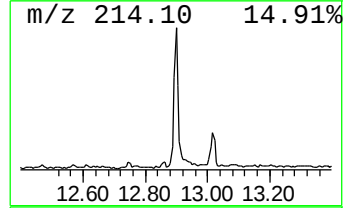
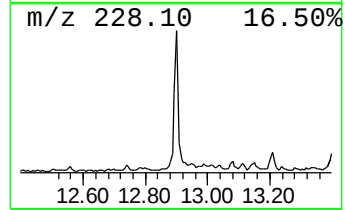
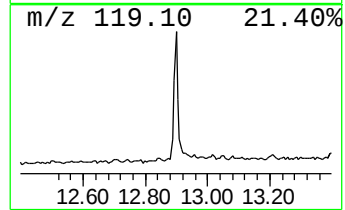
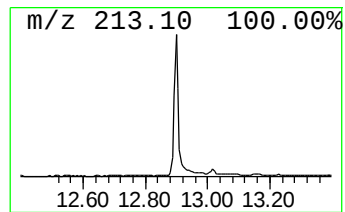
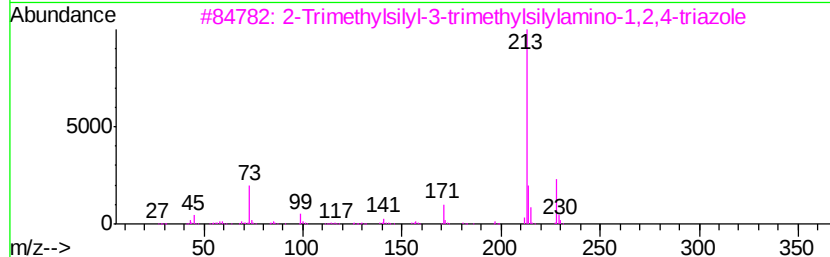
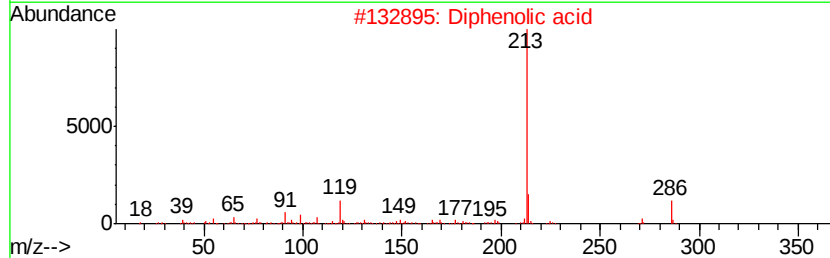
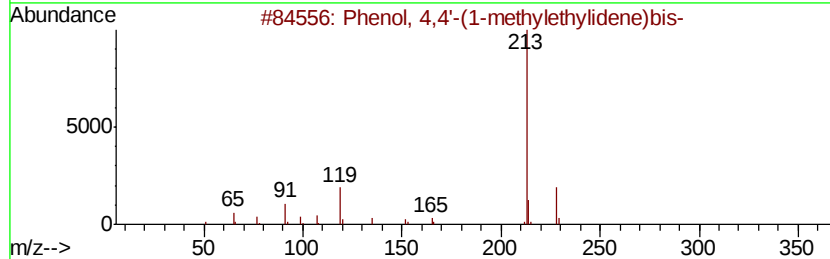
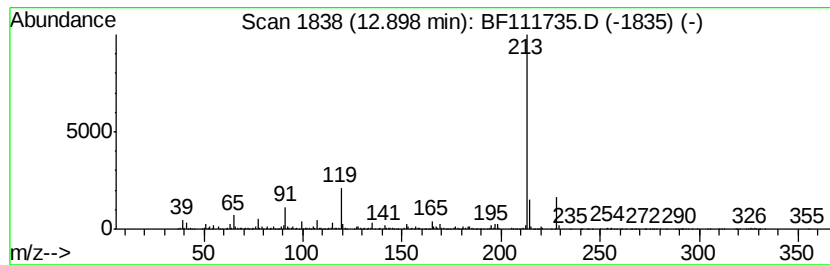
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenol, 4,4'-(1-methylethyl... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.90	46.05 ng	1286770	Chrysene-d12	14.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenol, 4,4'-(1-methylethylidene)bis-	228	C15H16O2	000080-05-7	97
2		Diphenolic acid	286	C17H18O4	000126-00-1	64
3		2-Trimethylsilyl-3-trimethylsilyl...	228	C8H20N4Si2	1000373-05-5	53
4		3-Chloro-N,N-diethyl-4-nitroaniline	228	C10H13ClN2O2	1000110-36-0	53
5		6-Isopropyl-3-phenoxytropolone	256	C16H16O3	002904-79-2	45



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
Data File : BF111735.D
Acq On : 27 Dec 2018 1:07
Operator : JU/SJ
Sample : J6388-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
P001-SS010-1218-01

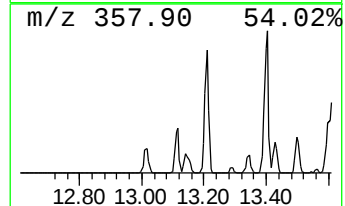
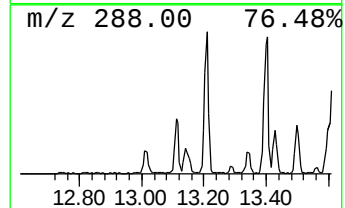
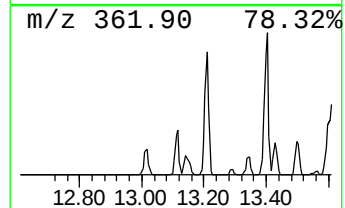
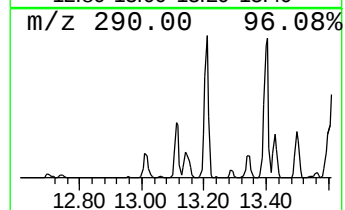
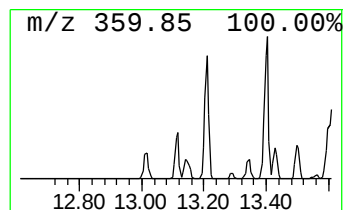
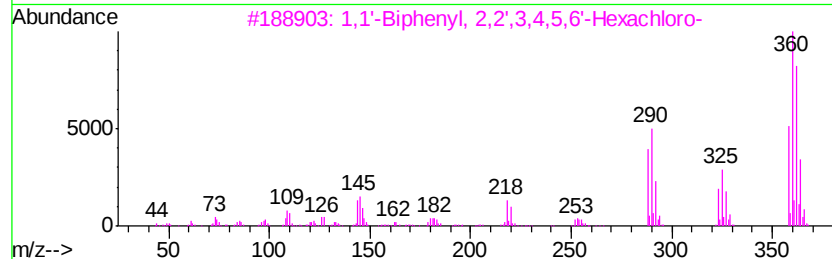
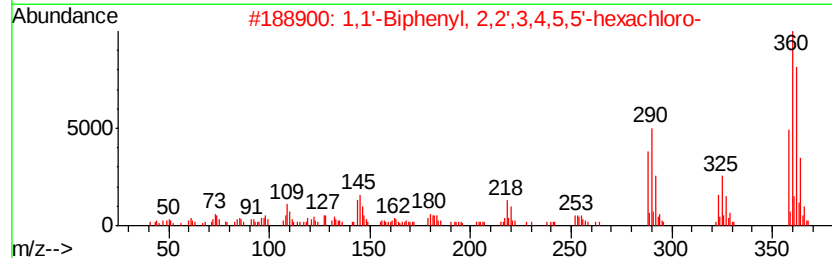
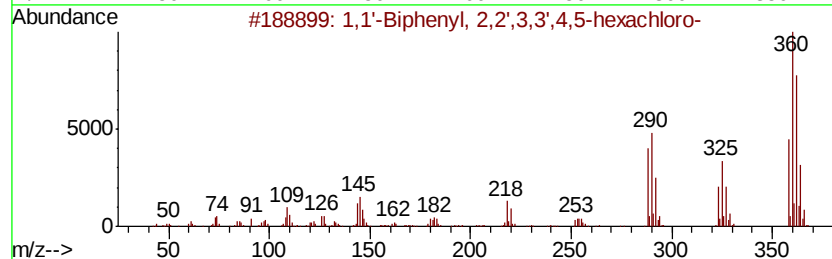
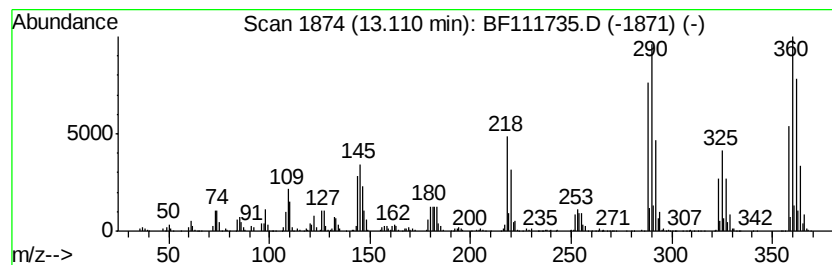
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	65.35 ng	1826020	Chrysene-d12	14.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',3,3',4,5-hex...	358	C12H4Cl6	055215-18-4	99
2		1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99
3		1,1'-Biphenyl, 2,2',3,4,5,6'-Hex...	358	C12H4Cl6	068194-15-0	99
4		1,1'-Biphenyl, 2,2',3,3',5,5'-He...	358	C12H4Cl6	035694-04-3	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 : BF111735.D
Acq On : 27 Dec 2018 1:07
Operator : JU/SJ
Sample : J6388-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

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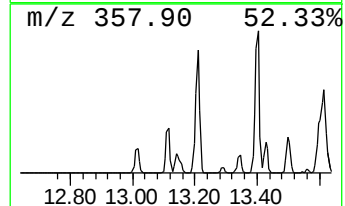
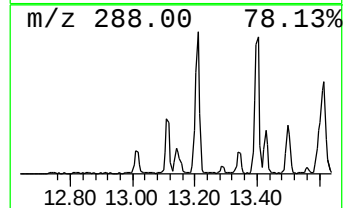
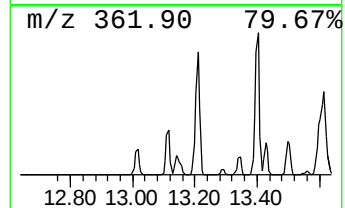
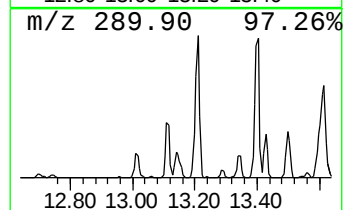
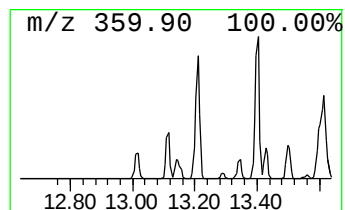
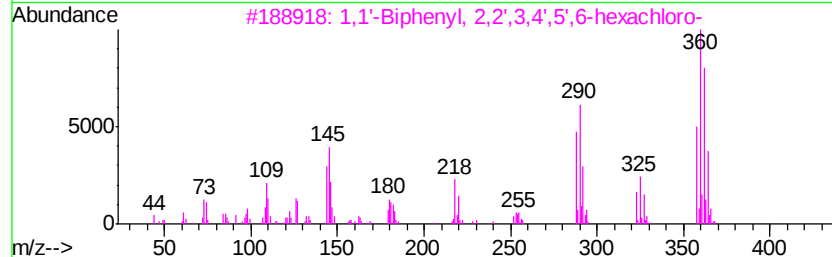
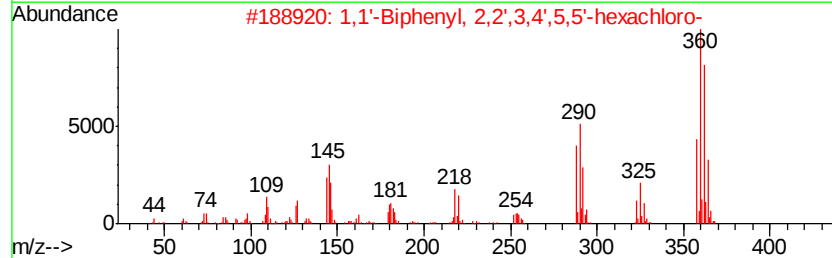
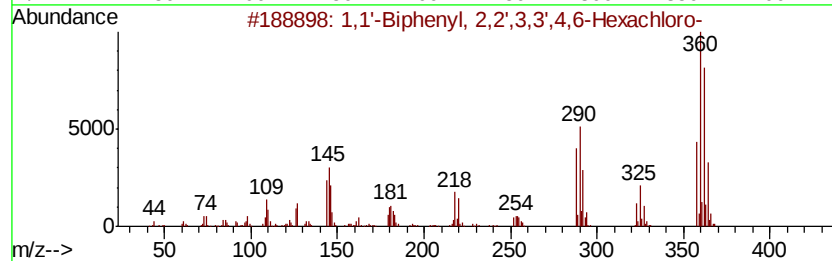
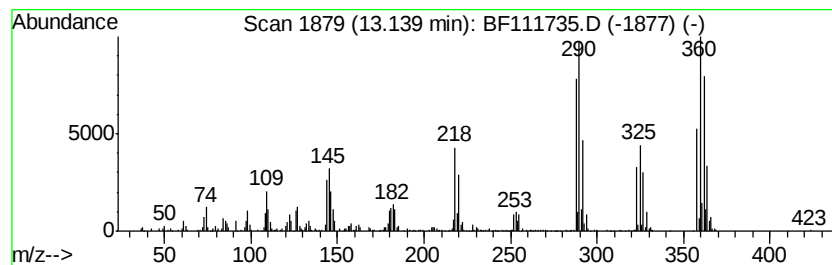
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.14	39.66 ng	1108120	Chrysene-d12	14.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',3,3',4,6-Hex...	358	C12H4Cl6	061798-70-7	99
2		1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	99
3		1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	99
4		2,2',3,4',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	068194-13-8	99
5		1,1'-Biphenyl, 2,2',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
Data File : BF111735.D
Acq On : 27 Dec 2018 1:07
Operator : JU/SJ
Sample : J6388-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

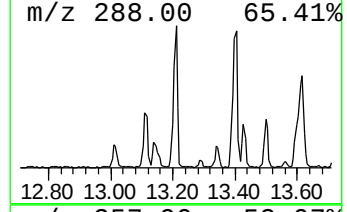
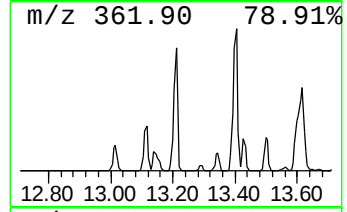
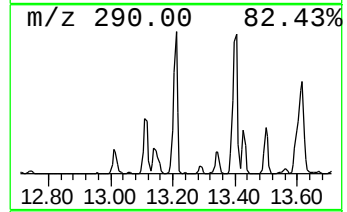
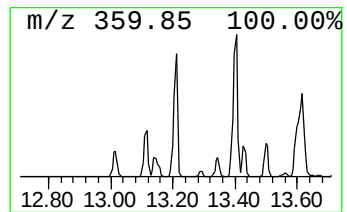
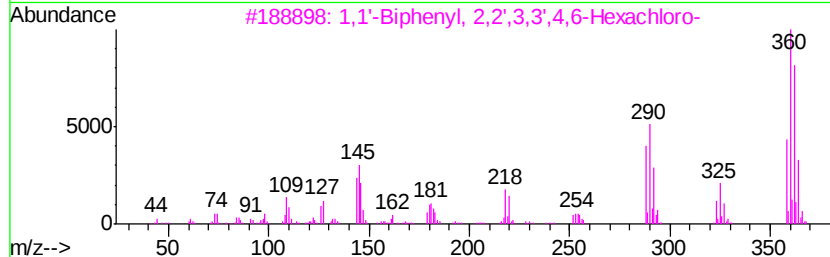
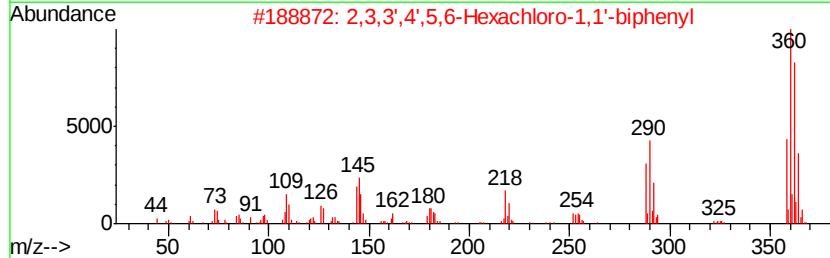
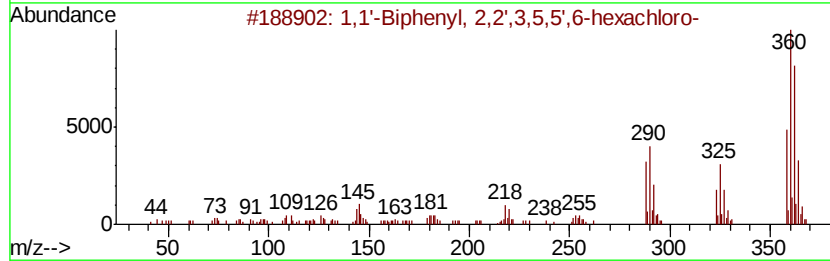
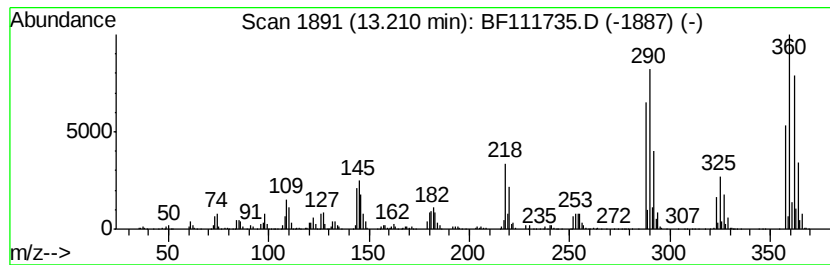
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.21	169.51 ng	4736630	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	2,3,3',4',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-44-9	99
3	1,1'-Biphenyl, 2,2',3,3',4,6-Hex...	358	C12H4Cl6	061798-70-7	99
4	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	99
5	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
Data File : BF111735.D
Acq On : 27 Dec 2018 1:07
Operator : JU/SJ
Sample : J6388-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
P001-SS010-1218-01

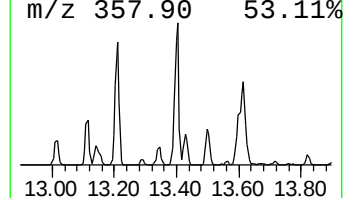
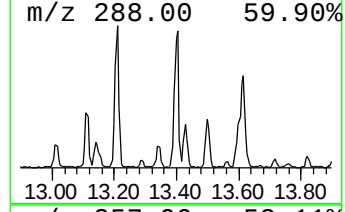
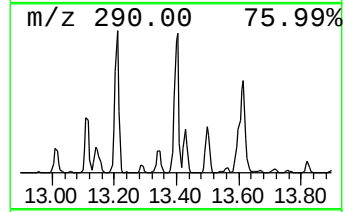
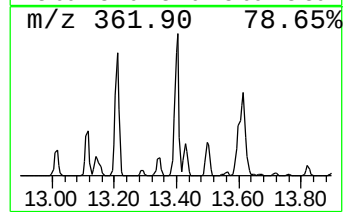
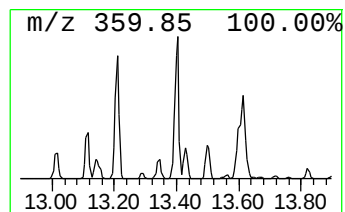
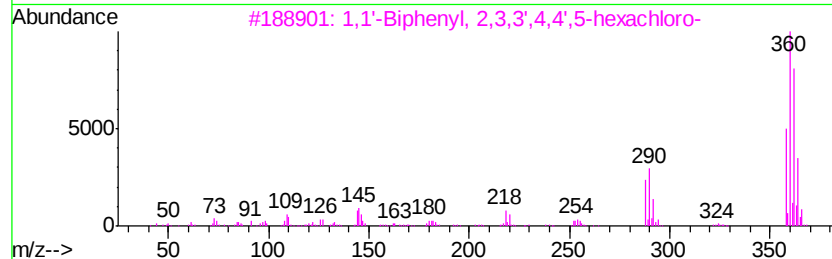
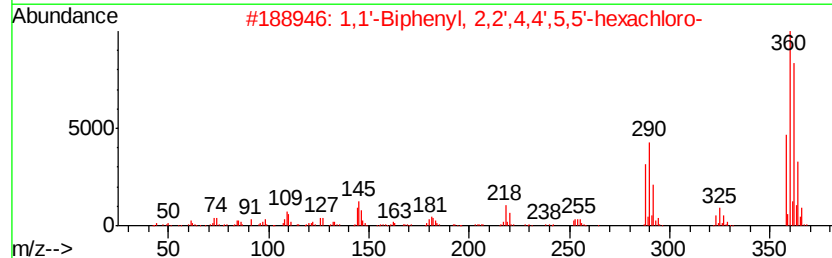
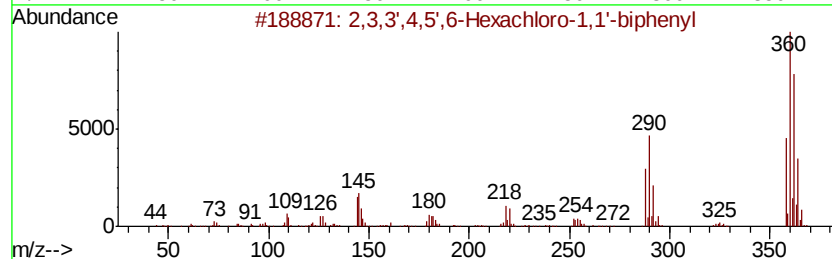
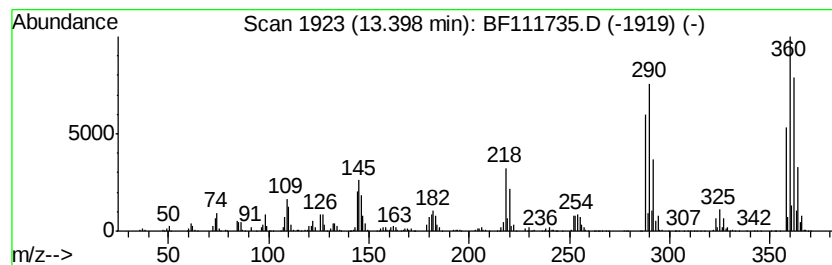
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 2,3,3',4,5',6-Hexachloro-1,... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.40	176.37 ng	4928190	Chrysene-d12	14.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,3,3',4,5',6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-43-8	99
2		1,1'-Biphenyl, 2,2',4,4',5,5'-he...	358	C12H4Cl6	035065-27-1	99
3		1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
4		2,3,3',4,4',6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-42-7	99
5		2,3,3',4,5,5'-Hexachloro-1,1'-bi...	358	C12H4Cl6	039635-35-3	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
Data File : BF111735.D
Acq On : 27 Dec 2018 1:07
Operator : JU/SJ
Sample : J6388-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
P001-SS010-1218-01

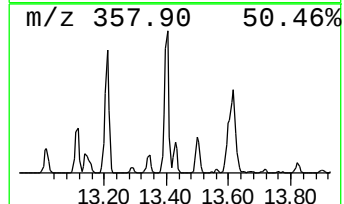
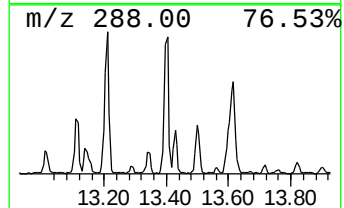
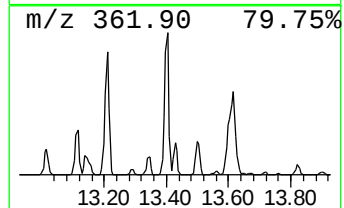
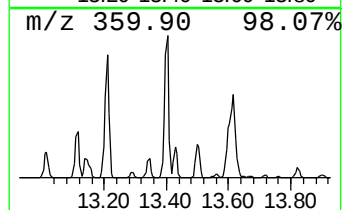
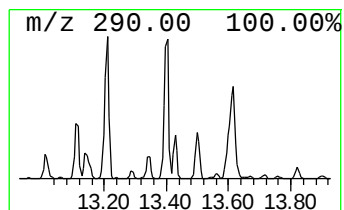
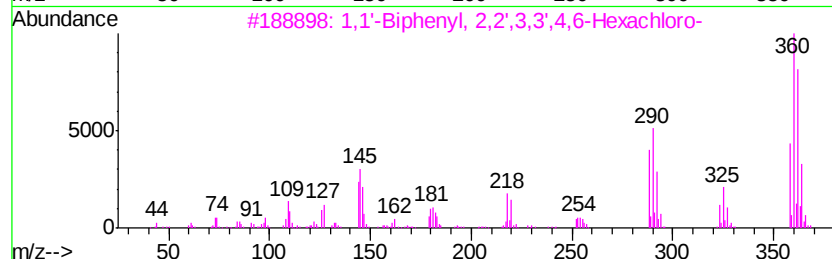
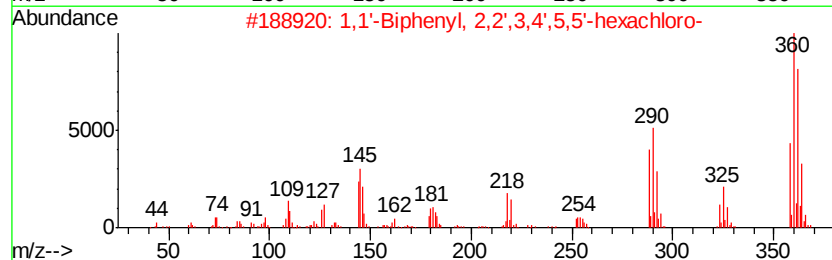
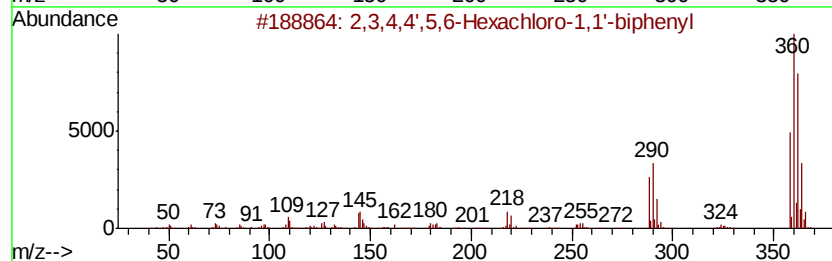
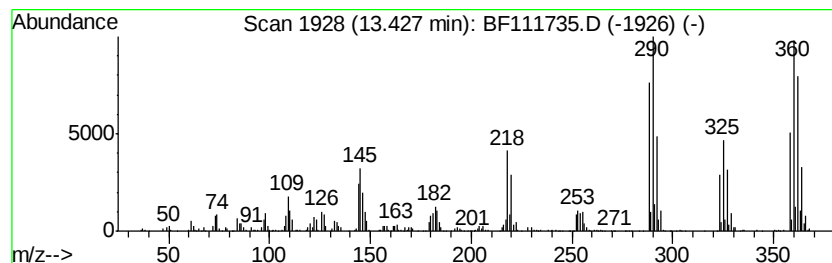
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 2,3,4,4',5,6-Hexachloro-1,1... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.43	42.07 ng	1175470	Chrysene-d12	14.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,3,4,4',5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-63-6	99
2		1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	99
3		1,1'-Biphenyl, 2,2',3,3',4,6-Hex...	358	C12H4Cl6	061798-70-7	99
4		1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	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 : BF111735.D
Acq On : 27 Dec 2018 1:07
Operator : JU/SJ
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ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
P001-SS010-1218-01

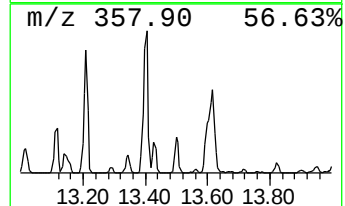
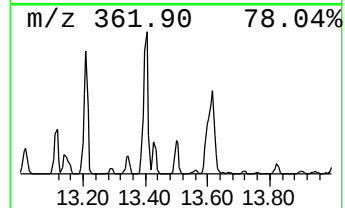
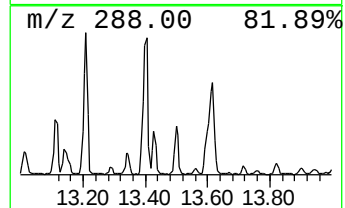
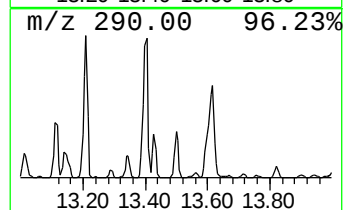
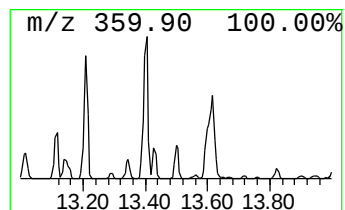
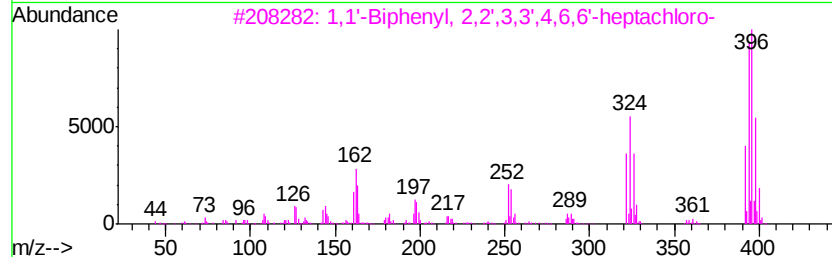
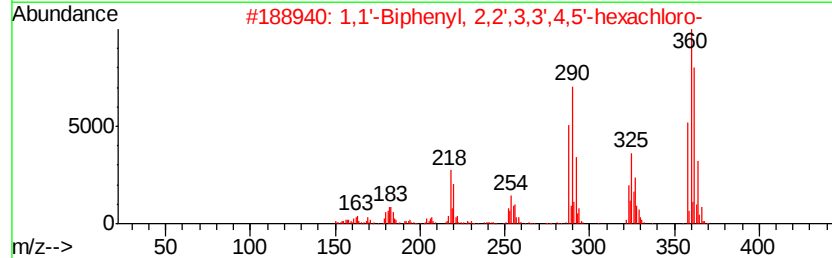
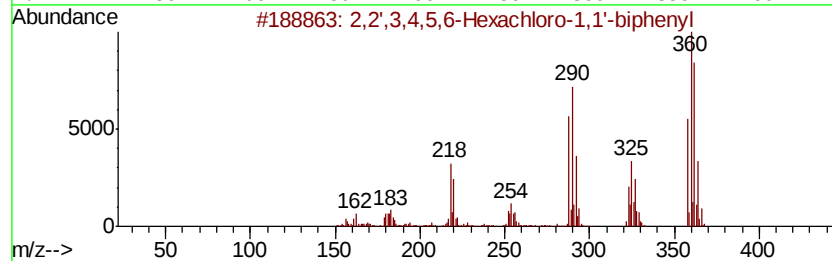
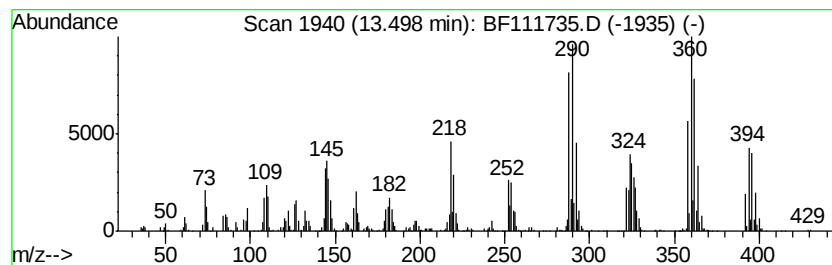
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.50	125.80 ng	3515160	Chrysene-d12	14.07

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,4,5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-61-4	98		
2	1,1'-Biphenyl, 2,2',3,3',4,5'-he...	358	C12H4Cl6	052663-66-8	97		
3	1,1'-Biphenyl, 2,2',3,3',4,6,6'-...	392	C12H3Cl7	052663-65-7	97		
4	2,2',3,4,4',6,6'-Heptachloro-1,1...	392	C12H3Cl7	074472-48-3	97		
5	2,2',3,4,4',6'-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-64-4	97		



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
Data File : BF111735.D
Acq On : 27 Dec 2018 1:07
Operator : JU/SJ
Sample : J6388-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-SS010-1218-01

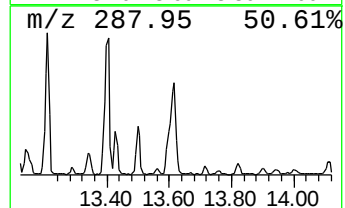
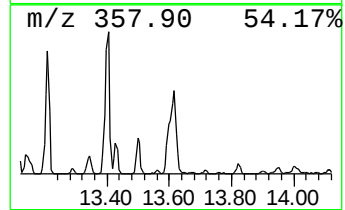
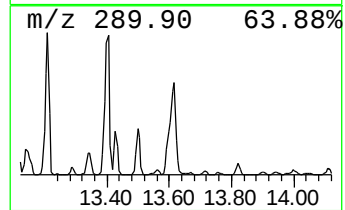
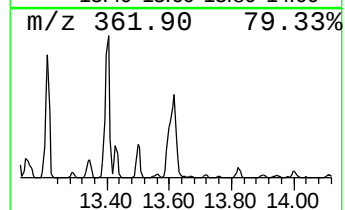
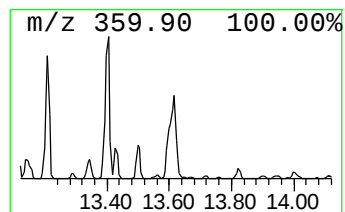
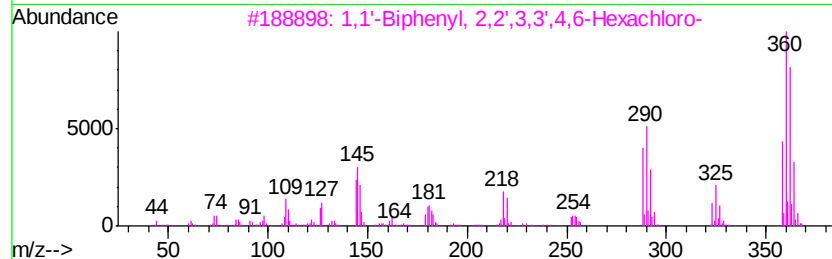
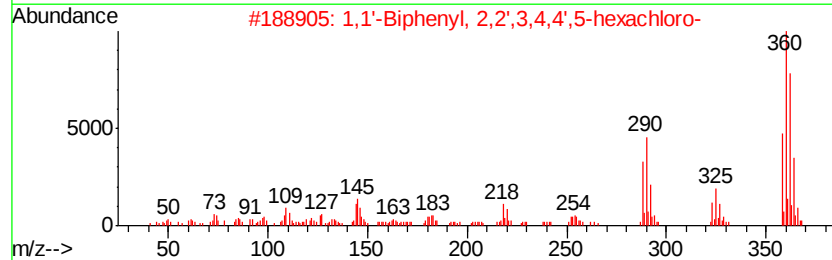
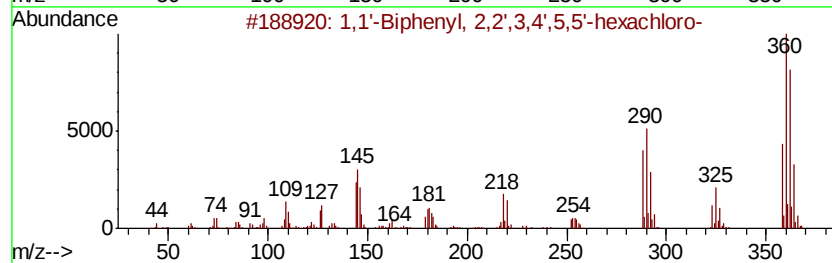
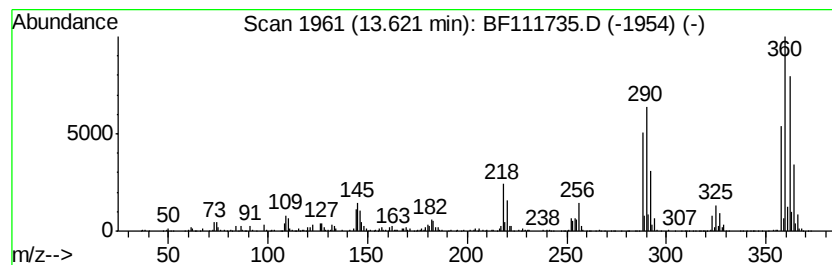
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	168.31 ng	4702980	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',3,4,4',5-hex...	358	C12H4Cl6	035694-06-5	99
3		1,1'-Biphenyl, 2,2',3,3',4,6-Hex...	358	C12H4Cl6	061798-70-7	99
4		1,1'-Biphenyl, 2,2',4,4',5',6-He...	358	C12H4Cl6	060145-22-4	99
5		1,1'-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
Data File : BF111735.D
Acq On : 27 Dec 2018 1:07
Operator : JU/SJ
Sample : J6388-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
P001-SS010-1218-01

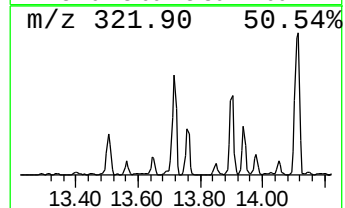
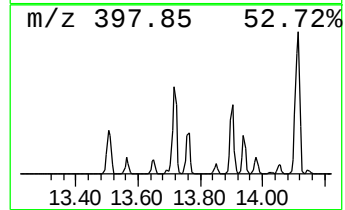
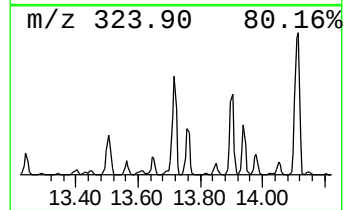
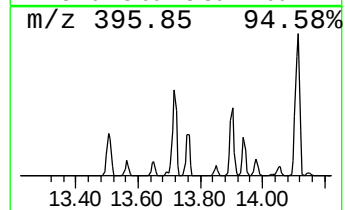
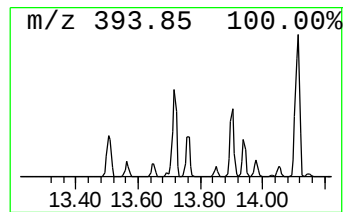
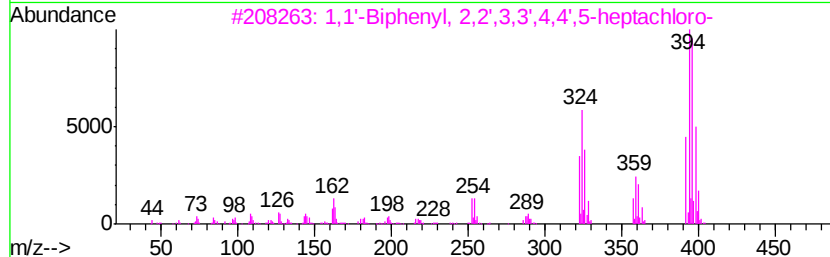
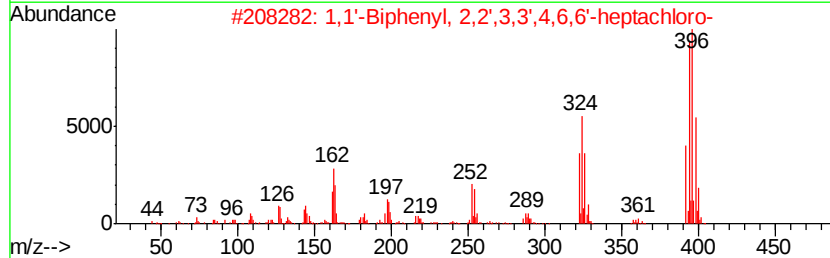
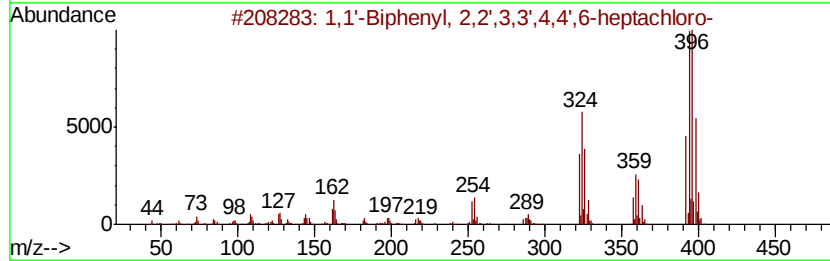
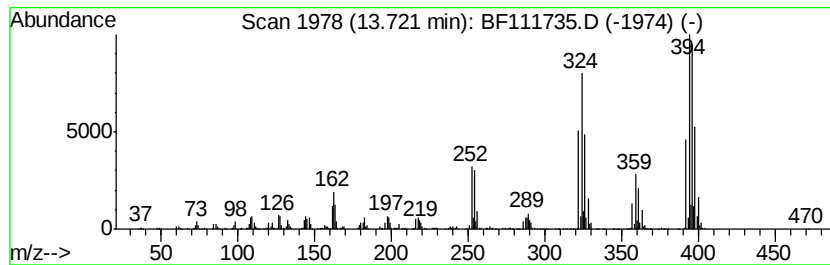
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	96.38 ng	2693040	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',4,6,6'-...	392	C12H3Cl7	052663-65-7	99
3		1,1'-Biphenyl, 2,2',3,3',4,4',5-...	392	C12H3Cl7	035065-30-6	99
4		1,1'-Biphenyl, 2,2',3,4',5,5',6-...	392	C12H3Cl7	052663-68-0	99
5		2,2',3,3',4,5',6-Heptachlorobiph...	392	C12H3Cl7	040186-70-7	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
Data File : BF111735.D
Acq On : 27 Dec 2018 1:07
Operator : JU/SJ
Sample : J6388-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
P001-SS010-1218-01

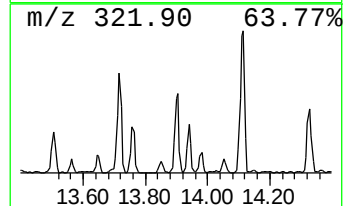
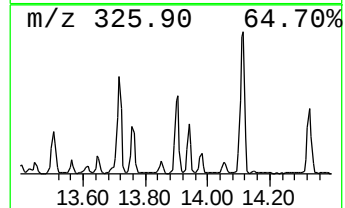
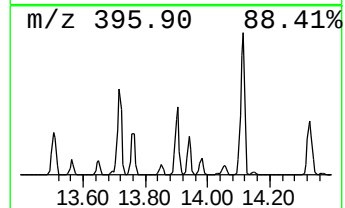
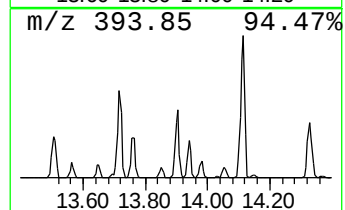
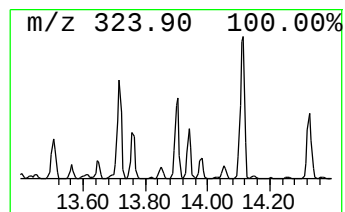
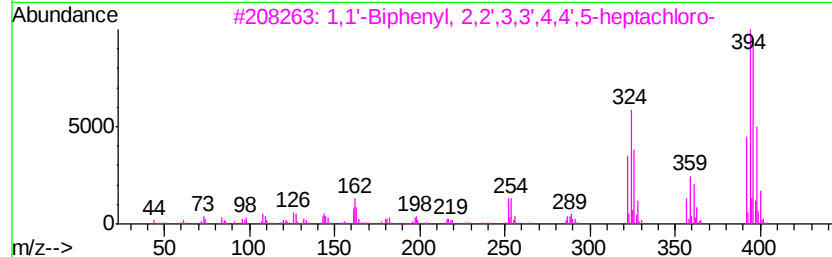
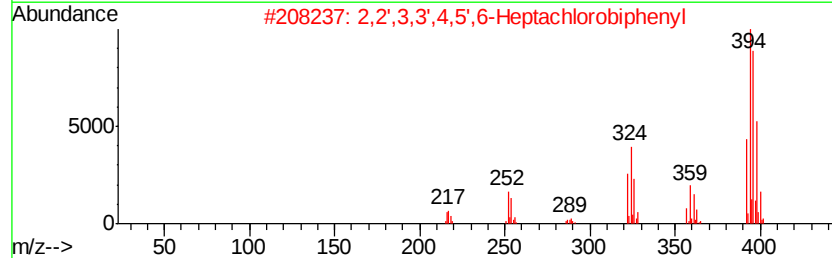
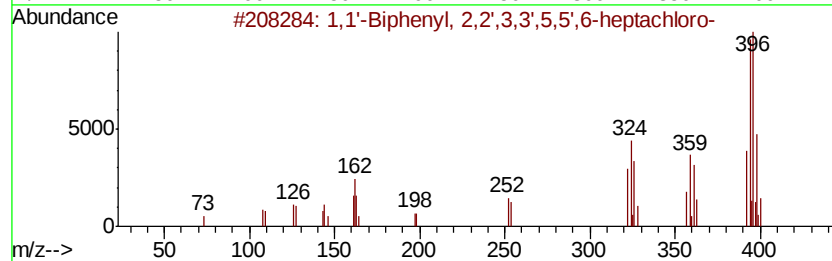
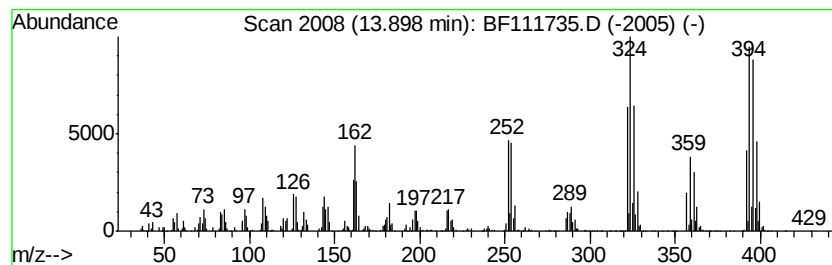
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 1,1'-Biphenyl, 2,2',3,3',5,... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	135.47 ng	3785470	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		2,2',3,3',4,5',6-Heptachlorobiph...	392	C12H3Cl7	040186-70-7	99
3		1,1'-Biphenyl, 2,2',3,3',4,4',5-...	392	C12H3Cl7	035065-30-6	99
4		1,1'-Biphenyl, 2,2',3,4',5,5',6-...	392	C12H3Cl7	052663-68-0	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\
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Acq On : 27 Dec 2018 1:07
Operator : JU/SJ
Sample : J6388-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

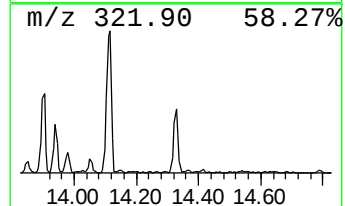
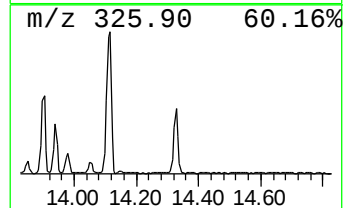
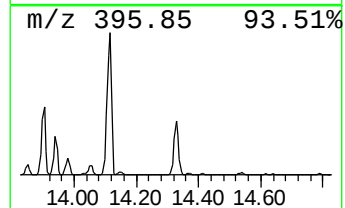
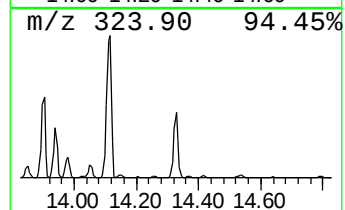
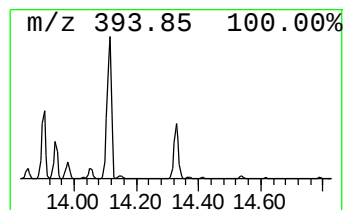
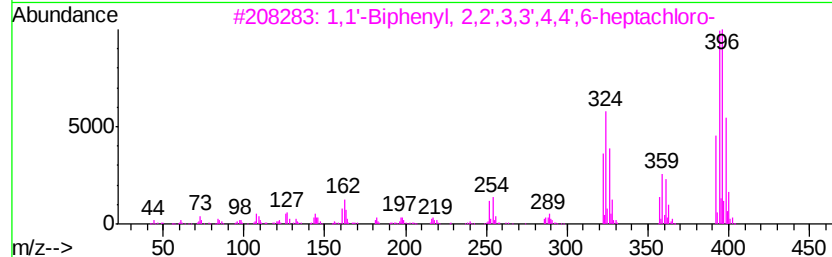
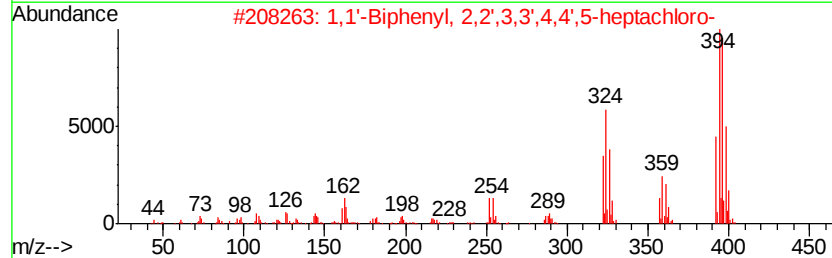
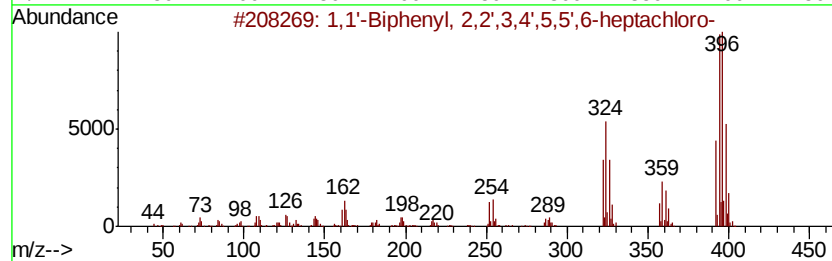
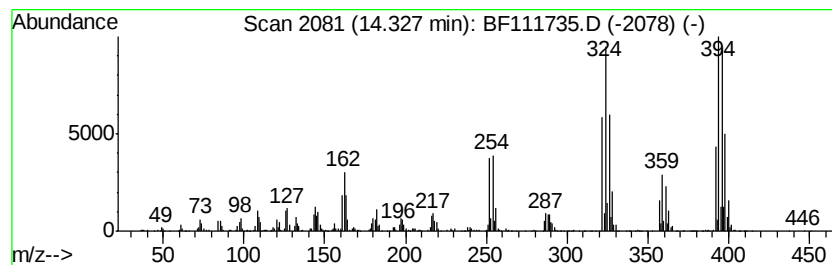
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 1,1'-Biphenyl, 2,2',3,4',5,... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	65.58 ng	1832390	Chrysene-d12	14.07
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1,1'-Biphenyl, 2,2',3,4',5,5',6-...	392 C12H3Cl7	052663-68-0	99
2	1,1'-Biphenyl, 2,2',3,3',4,4',5-...	392 C12H3Cl7	035065-30-6	99
3	1,1'-Biphenyl, 2,2',3,3',4,4',6-...	392 C12H3Cl7	052663-71-5	99
4	1,1'-Biphenyl, 2,3,3',4,4',5,6-H...	392 C12H3Cl7	041411-64-7	99
5	2,2',3,4',5,6,6'-Heptachloro-1,1...	392 C12H3Cl7	074487-85-7	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
Data File : BF111735.D
Acq On : 27 Dec 2018 1:07
Operator : JU/SJ
Sample : J6388-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
P001-SS010-1218-01

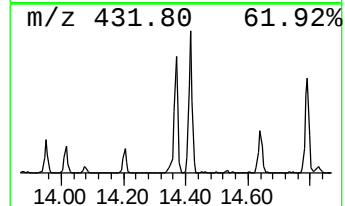
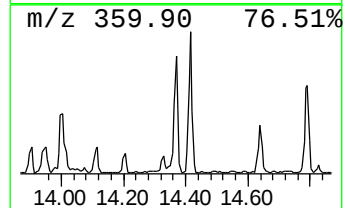
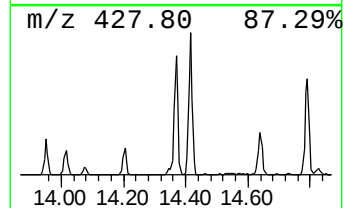
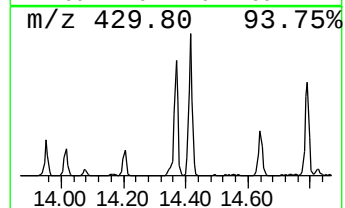
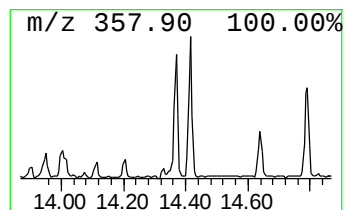
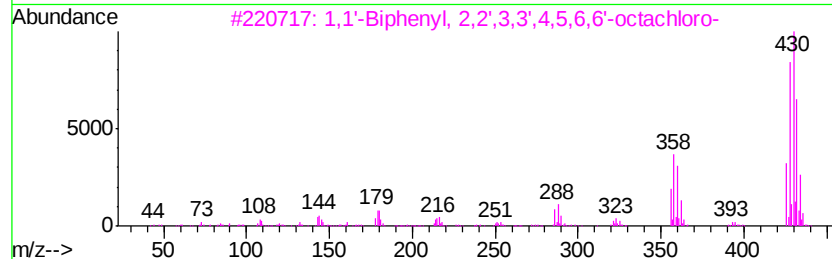
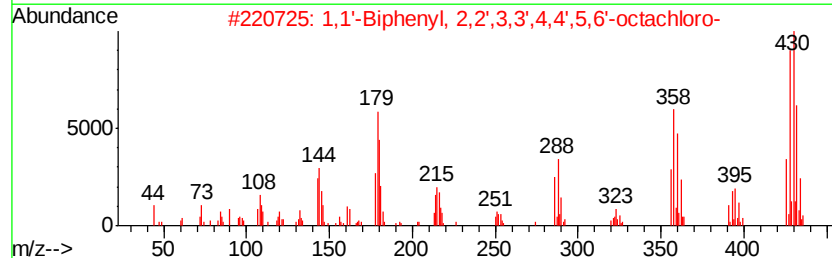
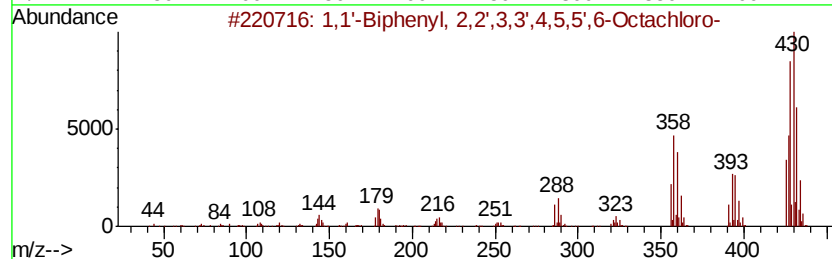
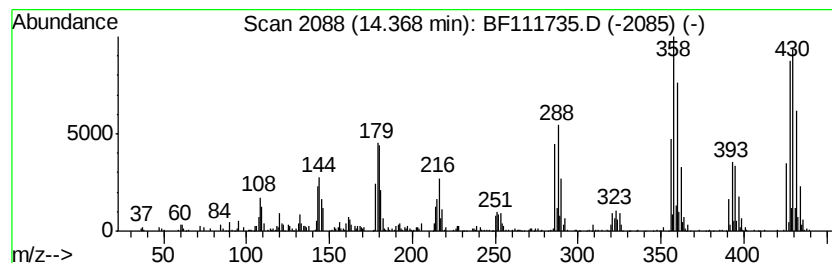
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.37	35.31 ng	986741	Chrysene-d12	14.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	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	042740-50-1	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',3,4,4',5,6,6...	426	C12H2Cl8	074472-52-9	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 : BF111735.D
Acq On : 27 Dec 2018 1:07
Operator : JU/SJ
Sample : J6388-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-SS010-1218-01

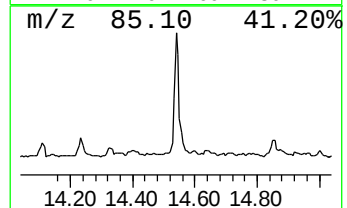
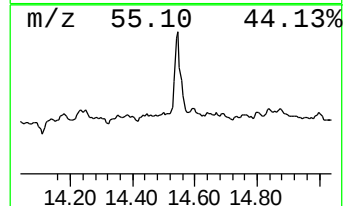
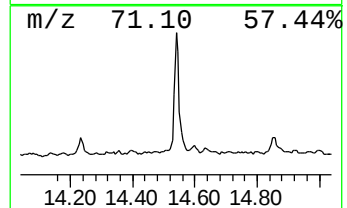
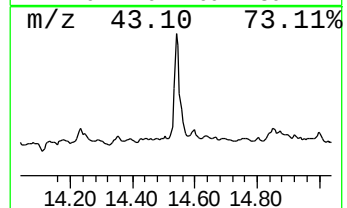
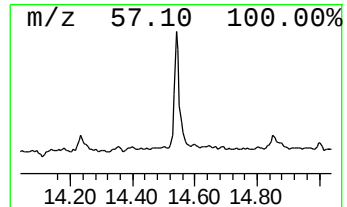
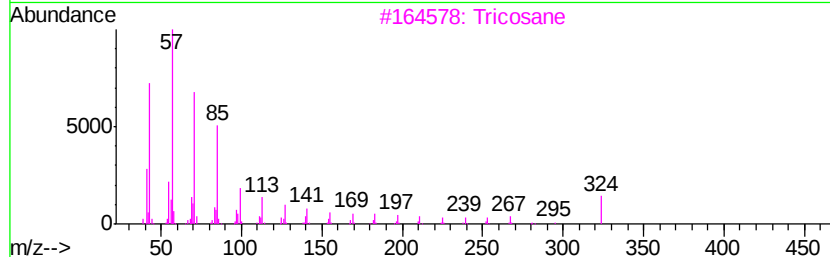
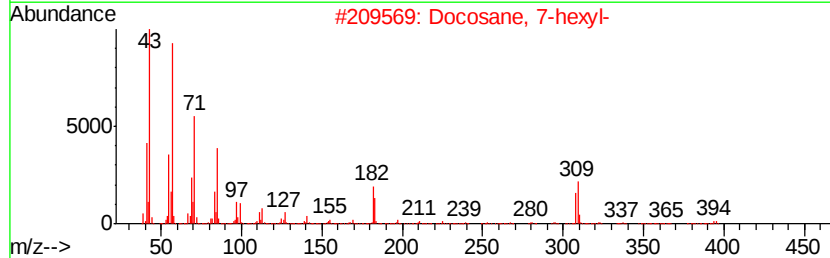
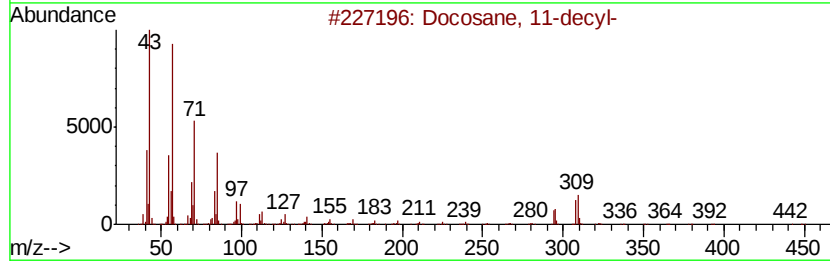
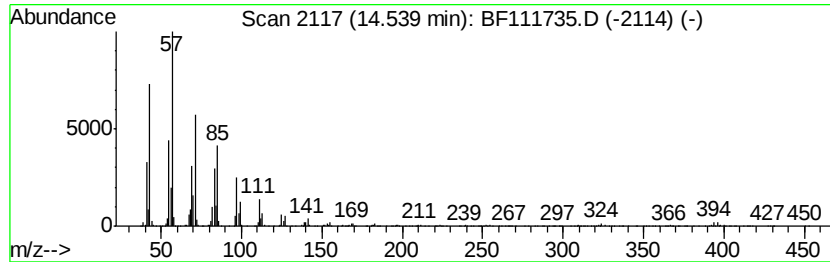
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Docosane, 11-decyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	96.23 ng	2688840	Chrysene-d12	14.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Docosane, 11-decyl-	451	C32H66	055401-55-3	83
2		Docosane, 7-hexyl-	394	C28H58	055373-86-9	76
3		Tricosane	324	C23H48	000638-67-5	70
4		Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	70
5		Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	68



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
Data File : BF111735.D
Acq On : 27 Dec 2018 1:07
Operator : JU/SJ
Sample : J6388-12
Misc :
ALS Vial : 17 Sample Multiplier: 1

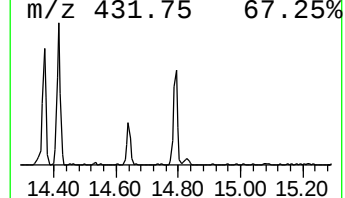
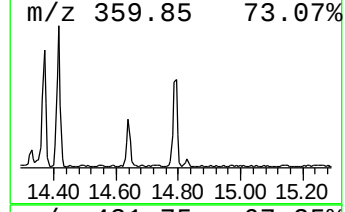
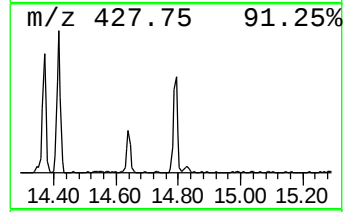
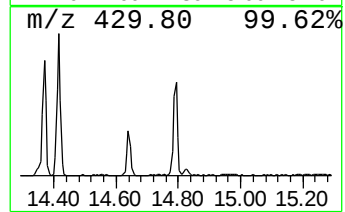
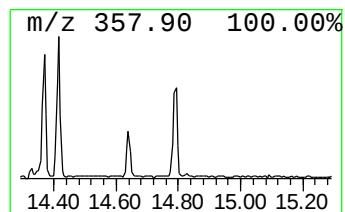
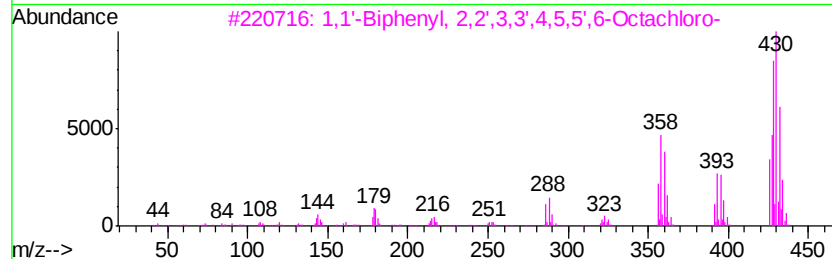
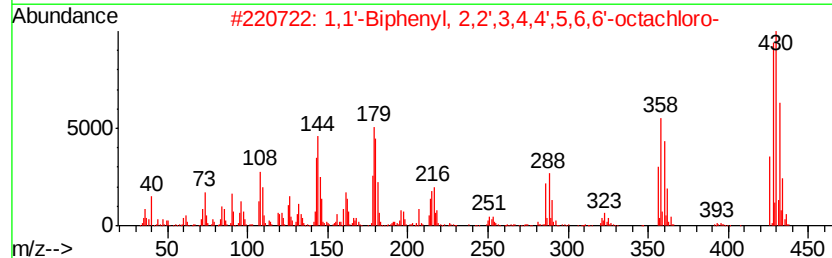
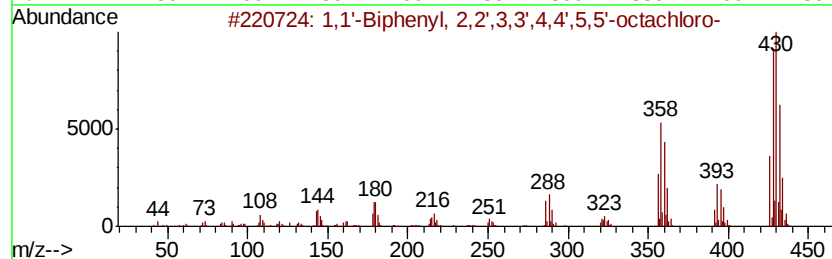
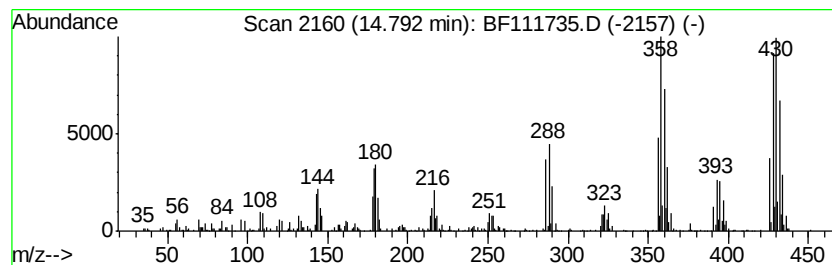
Instrument :
BNA_F
ClientSampleId :
P001-SS010-1218-01

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.	
14.79	29.94 ng	836614	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',3,4,4',5,6,6...	426	C12H2Cl8	074472-52-9	99
3	1,1'-Biphenyl, 2,2',3,3',4,5,5',...	426	C12H2Cl8	068194-17-2	99
4	2,3,3',4,4',5,5',6-Octachloro-1,...	426	C12H2Cl8	074472-53-0	99
5	1,1'-Biphenyl, 2,2',3,3',4,5,5',...	426	C12H2Cl8	052663-75-9	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF122618\
 Data File : BF111735.D
 Acq On : 27 Dec 2018 1:07
 Operator : JU/SJ
 Sample : J6388-12
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS010-1218-01

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	71.4	ng	3355800	1	6.90	939955	20.0
1,1'-Biphenyl, 2,...	12.56	39.2	ng	1760440	4	11.43	898461	20.0
1,1'-Biphenyl, 2,...	12.74	45.5	ng	2043440	4	11.43	898461	20.0
Phenol, 4,4'-(1-m...	12.90	46.0	ng	1286770	5	14.07	558853	20.0
1,1'-Biphenyl, 2,...	13.11	65.3	ng	1826020	5	14.07	558853	20.0
1,1'-Biphenyl, 2,...	13.14	39.7	ng	1108120	5	14.07	558853	20.0
1,1'-Biphenyl, 2,...	13.21	169.5	ng	4736630	5	14.07	558853	20.0
2,3,3',4,5',6-Hex...	13.40	176.4	ng	4928190	5	14.07	558853	20.0
2,3,4,4',5,6-Hexa...	13.43	42.1	ng	1175470	5	14.07	558853	20.0
2,2',3,4,5,6-Hexa...	13.50	125.8	ng	3515160	5	14.07	558853	20.0
1,1'-Biphenyl, 2,...	13.62	168.3	ng	4702980	5	14.07	558853	20.0
1,1'-Biphenyl, 2,...	13.72	96.4	ng	2693040	5	14.07	558853	20.0
1,1'-Biphenyl, 2,...	13.90	135.5	ng	3785470	5	14.07	558853	20.0
1,1'-Biphenyl, 2,...	14.33	65.6	ng	1832390	5	14.07	558853	20.0
1,1'-Biphenyl, 2,...	14.37	35.3	ng	986741	5	14.07	558853	20.0
Docosane, 11-decyl-	14.54	96.2	ng	2688840	5	14.07	558853	20.0
1,1'-Biphenyl, 2,...	14.79	29.9	ng	836614	5	14.07	558853	20.0