

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122618\
 Data File : BF111736.D
 Acq On : 27 Dec 2018 1:35
 Operator : JU/SJ
 Sample : J6388-13
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS010-1824-01

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	2.193	15	18	25	rVB	37941	56840	1.66%	0.086%
2	3.446	222	231	244	rBV	53974	109816	3.20%	0.166%
3	4.004	319	326	332	rBV	88479	117863	3.44%	0.178%
4	5.122	512	516	524	rBV	113450	138232	4.03%	0.208%
5	5.540	583	587	591	rVB	2659716	2507806	73.15%	3.781%
6	6.545	754	758	769	rVB2	2628705	3334667	97.27%	5.028%
7	6.681	777	781	784	rBV	3164708	2607171	76.05%	3.931%
8	6.904	816	819	823	rBV	1052429	853356	24.89%	1.287%
9	7.063	842	846	849	rBV	2582349	2081992	60.73%	3.139%
10	7.163	859	863	869	rVB3	39642	48181	1.41%	0.073%
11	7.310	884	888	897	rVB	203723	231017	6.74%	0.348%
12	7.463	907	914	917	rBV	1839470	1590074	46.38%	2.398%
13	7.592	933	936	943	rVB	49414	53820	1.57%	0.081%
14	7.663	943	948	953	rBV	106936	126740	3.70%	0.191%
15	7.839	975	978	983	rBV	93042	104553	3.05%	0.158%
16	7.898	983	988	995	rBV2	52719	88549	2.58%	0.134%
17	8.128	1023	1027	1031	rBV3	61585	88628	2.59%	0.134%
18	8.186	1031	1037	1041	rBV	1205343	986690	28.78%	1.488%
19	8.339	1060	1063	1067	rBV2	33157	48981	1.43%	0.074%
20	8.533	1091	1096	1099	rBV2	50065	69131	2.02%	0.104%
21	8.710	1121	1126	1129	rBV	58506	56853	1.66%	0.086%
22	8.939	1161	1165	1172	rVB2	83881	105861	3.09%	0.160%
23	9.116	1192	1195	1197	rBV	78449	74507	2.17%	0.112%
24	9.145	1197	1200	1205	rVB	192445	182346	5.32%	0.275%
25	9.263	1215	1220	1223	rBV	3214082	2800746	81.70%	4.223%
26	9.351	1230	1235	1236	rBV2	105840	134832	3.93%	0.203%
27	9.392	1239	1242	1247	rVB	99448	102833	3.00%	0.155%
28	9.498	1257	1260	1263	rBV	58854	60792	1.77%	0.092%
29	9.651	1280	1286	1291	rBV2	500967	538412	15.71%	0.812%
30	9.945	1329	1336	1339	rBV	1034501	1047759	30.56%	1.580%
31	10.104	1360	1363	1366	rBV	191074	175928	5.13%	0.265%
32	10.351	1401	1405	1406	rBV4	54590	59155	1.73%	0.089%
33	10.369	1406	1408	1411	rVB2	80924	76638	2.24%	0.116%
34	10.422	1412	1417	1419	rBV6	36002	63734	1.86%	0.096%

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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	10.457	1420	1423	1427	rVB2	62135	72514	2.12%	0.109%
36	10.733	1466	1470	1473	rBV	1862387	1680390	49.02%	2.534%
37	10.857	1486	1491	1494	rBV2	116785	196667	5.74%	0.297%
38	10.969	1508	1510	1513	rVB	79617	69224	2.02%	0.104%
39	11.039	1520	1522	1525	rBV	97487	86171	2.51%	0.130%
40	11.133	1535	1538	1542	rBV2	160478	194894	5.69%	0.294%
41	11.292	1563	1565	1568	rBV2	62233	62623	1.83%	0.094%
42	11.404	1582	1584	1585	rBV	119241	82044	2.39%	0.124%
43	11.427	1585	1588	1591	rVV	1190025	948431	27.67%	1.430%
44	11.474	1594	1596	1600	rVB2	345677	334522	9.76%	0.504%
45	11.539	1604	1607	1612	rVB	496453	483014	14.09%	0.728%
46	11.586	1612	1615	1617	rBV3	167452	149817	4.37%	0.226%
47	11.651	1623	1626	1633	rVB	210981	251153	7.33%	0.379%
48	11.886	1663	1666	1668	rBV2	134712	144505	4.22%	0.218%
49	11.957	1675	1678	1684	rVB	523456	536168	15.64%	0.808%
50	12.045	1690	1693	1695	rVB2	223173	193779	5.65%	0.292%
51	12.074	1696	1698	1701	rVB2	261644	230657	6.73%	0.348%
52	12.516	1771	1773	1775	rBV	128352	93295	2.72%	0.141%
53	12.557	1775	1780	1785	rVB2	1199981	1243305	36.27%	1.875%
54	12.692	1800	1803	1807	rVB2	299308	282705	8.25%	0.426%
55	12.739	1808	1811	1815	rBV	1487067	1274206	37.17%	1.921%
56	12.892	1834	1837	1845	rBV	674770	836993	24.42%	1.262%
57	13.015	1854	1858	1864	rVB	3283771	3428146	100.00%	5.169%
58	13.110	1871	1874	1877	rBV	1431183	1208458	35.25%	1.822%
59	13.139	1877	1879	1884	rVV	554812	659554	19.24%	0.995%
60	13.204	1886	1890	1894	rBV	3412981	3187977	92.99%	4.807%
61	13.245	1894	1897	1901	rVV2	409427	505037	14.73%	0.762%
62	13.286	1902	1904	1906	rVB3	202041	153183	4.47%	0.231%
63	13.339	1911	1913	1918	rVB	487613	397595	11.60%	0.600%
64	13.398	1919	1923	1925	rBV	3530053	3184892	92.90%	4.802%
65	13.427	1925	1928	1930	rVB	855525	679679	19.83%	1.025%
66	13.498	1935	1940	1944	rVV3	1706302	2071660	60.43%	3.124%
67	13.563	1948	1951	1953	rBV	382634	337941	9.86%	0.510%
68	13.610	1953	1959	1963	rVV	2199296	3076747	89.75%	4.639%
69	13.645	1963	1965	1967	rVB2	388240	286072	8.34%	0.431%
70	13.715	1973	1977	1980	rVB	1902364	1771715	51.68%	2.672%
71	13.757	1981	1984	1987	rVV	962132	744413	21.71%	1.122%

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Integration Parameters: rteint.p
Integrator: RTE
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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Peak separation: 5

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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.904	2005	2009	2013	rBV4	2018226	3242163	94.57%	4.889%
73	13.939	2013	2015	2018	rVB2	918821	791864	23.10%	1.194%
74	14.074	2035	2038	2040	rVB	847730	677185	19.75%	1.021%
75	14.110	2040	2044	2047	rVB	3177147	2724144	79.46%	4.108%
76	14.321	2077	2080	2084	rBV	1186211	1242824	36.25%	1.874%
77	14.362	2085	2087	2093	rVV3	609844	673287	19.64%	1.015%
78	14.410	2093	2095	2098	rVV	582283	523666	15.28%	0.790%
79	14.539	2114	2117	2124	rBV	2432578	2848355	83.09%	4.295%
80	14.786	2157	2159	2164	rVB2	537604	546662	15.95%	0.824%
81	15.198	2226	2229	2232	rBV	848070	1183187	34.51%	1.784%

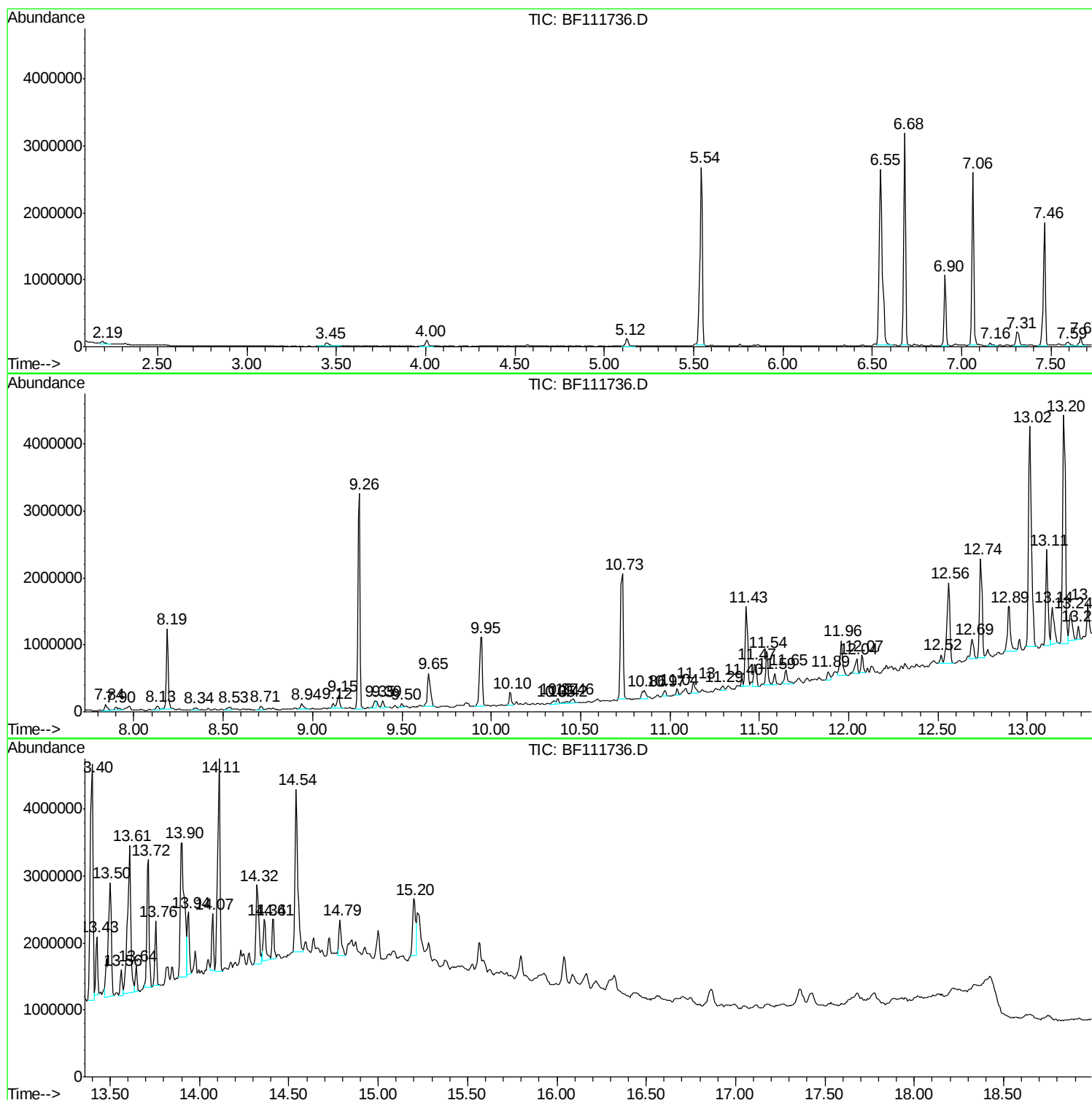
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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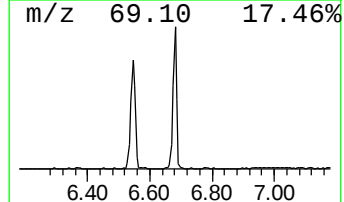
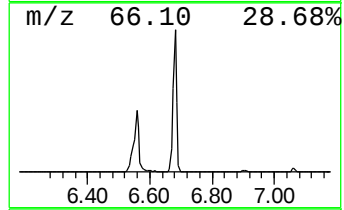
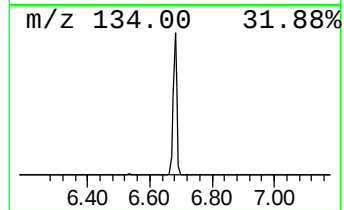
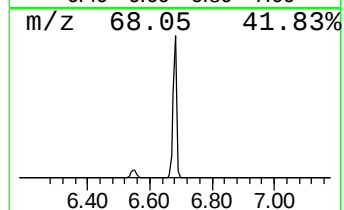
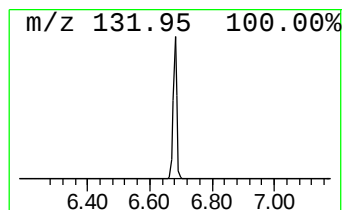
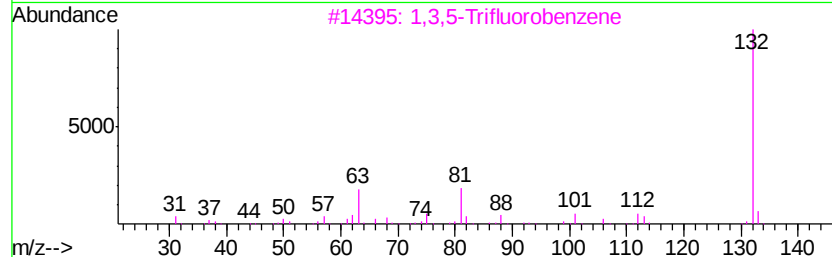
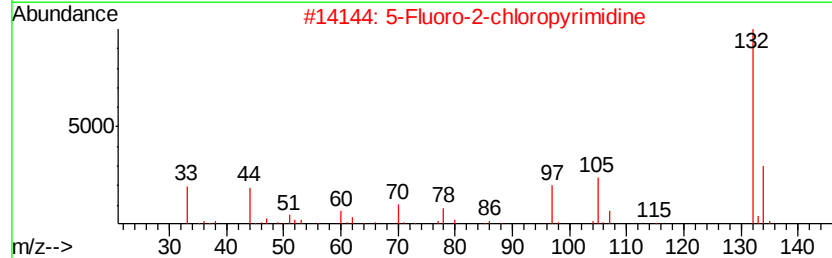
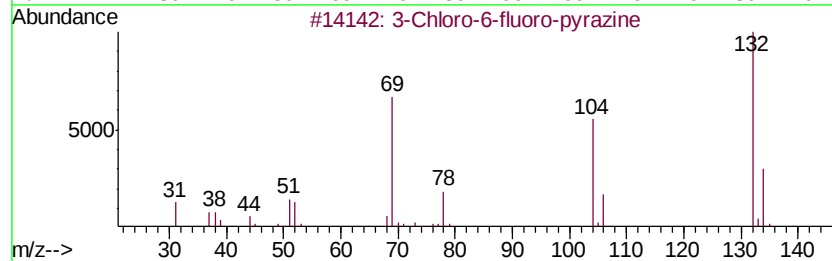
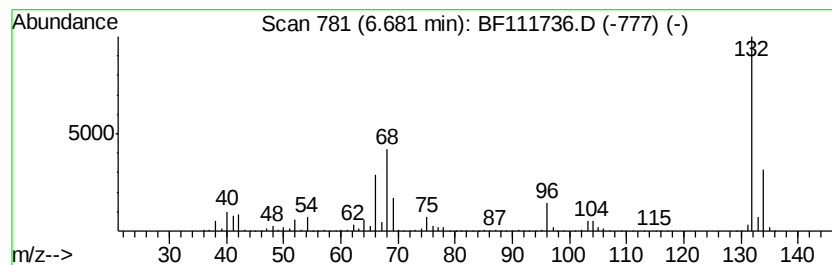
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown-01 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.68	61.10 ng	2607170	1,4-Dichlorobenzene-d4	6.90

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9



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ALS Vial : 18 Sample Multiplier: 1

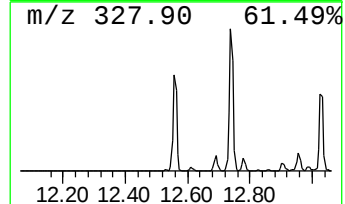
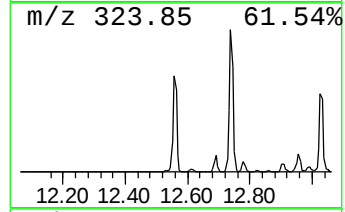
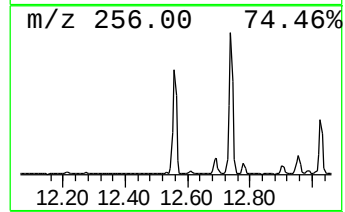
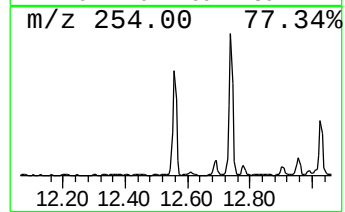
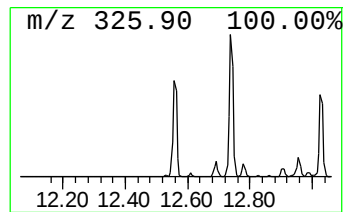
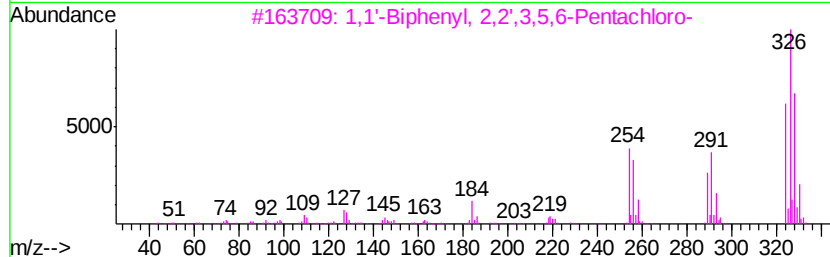
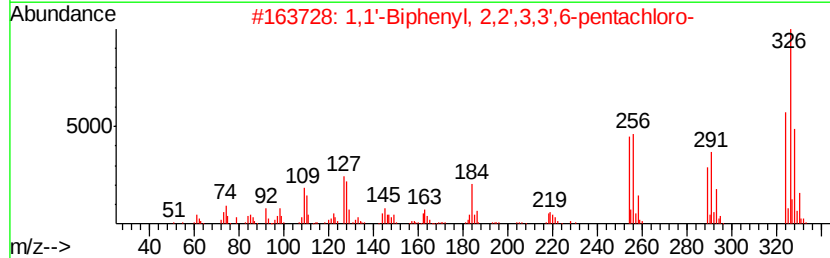
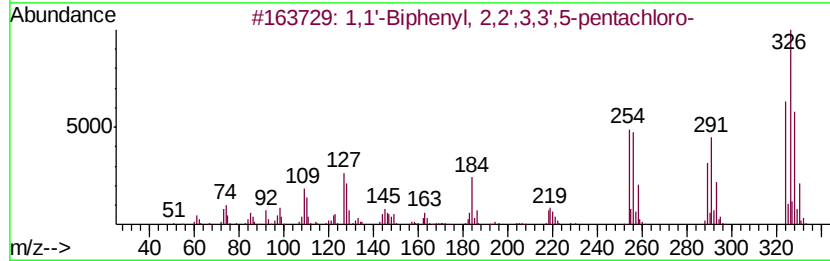
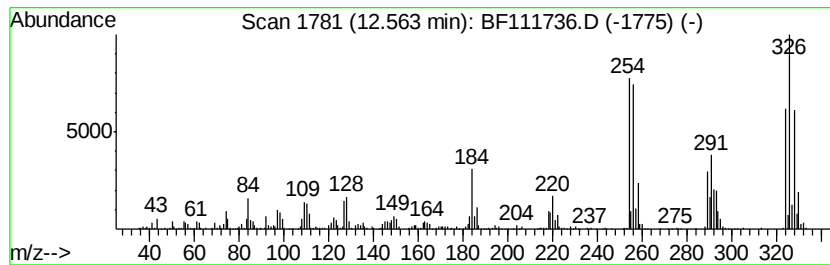
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 1,1'-Biphenyl, 2,2',3,3',5-... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.56	26.22 ng	1243310	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	1,1'-Biphenyl, 2,2',3,3',6-penta...	324	C12H5Cl5	052663-60-2	99
3	1,1'-Biphenyl, 2,2',3,5,6-Pentac...	324	C12H5Cl5	073575-56-1	99
4	2,2',3,4',6-Pentachloro-1,1'-bip...	324	C12H5Cl5	068194-05-8	99
5	2,2',3,4,6'-Pentachloro-1,1'-bip...	324	C12H5Cl5	073575-57-2	99



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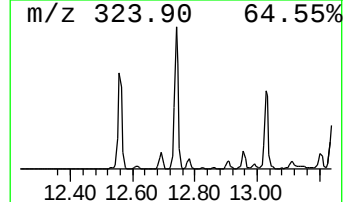
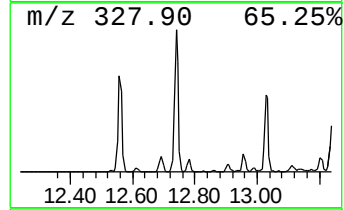
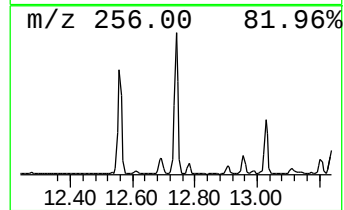
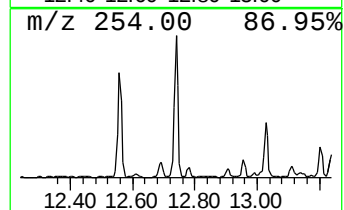
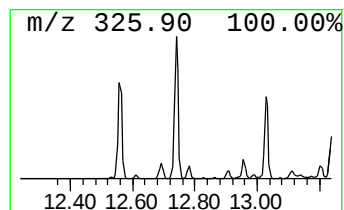
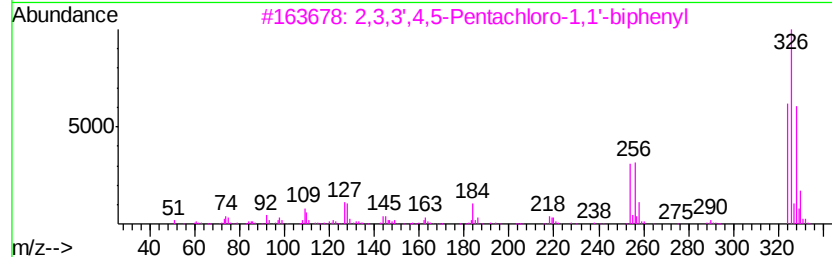
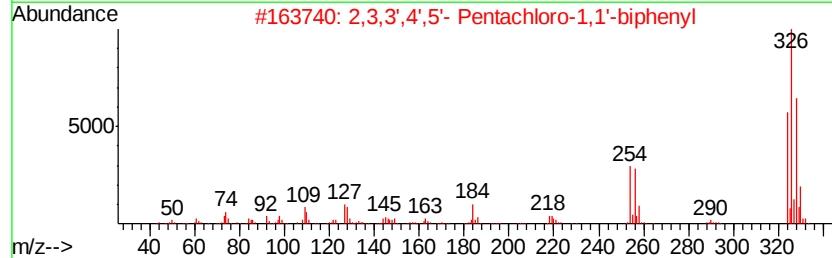
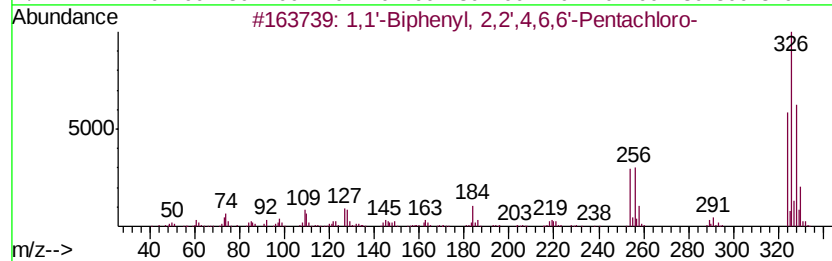
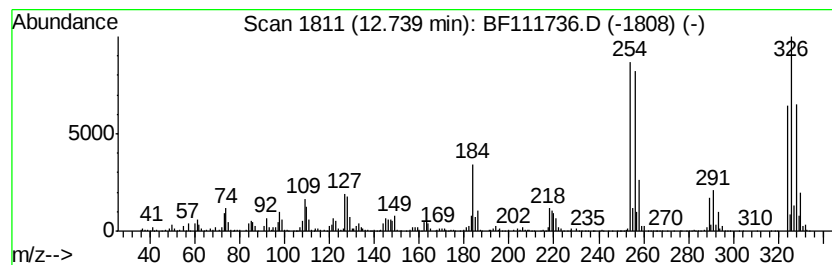
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.74	26.87 ng	1274210	Phenanthrene-d10	11.43		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,6,6'-Penta...	324	C12H5Cl5	056558-16-8	99	
2	2,3,3',4',5'- Pentachloro-1,1'-b...	324	C12H5Cl5	076842-07-4	99	
3	2,3,3',4,5-Pentachloro-1,1'-biph...	324	C12H5Cl5	070424-69-0	99	
4	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	99	
5	2,3,3',5,6-Pentachloro-1,1'-biph...	324	C12H5Cl5	074472-36-9	99	



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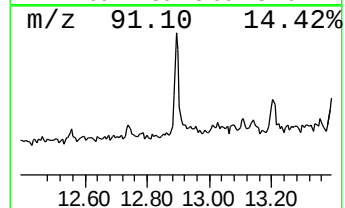
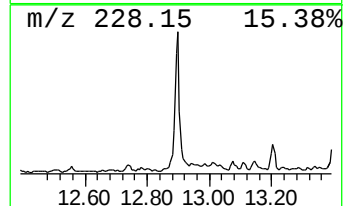
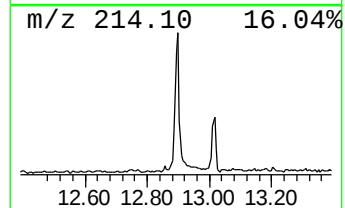
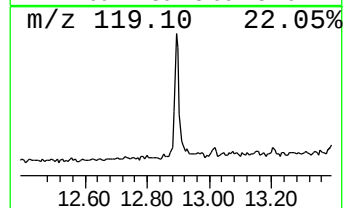
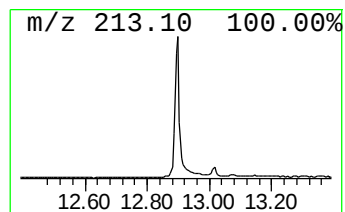
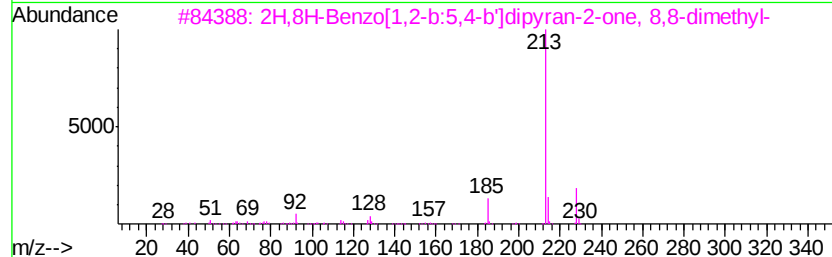
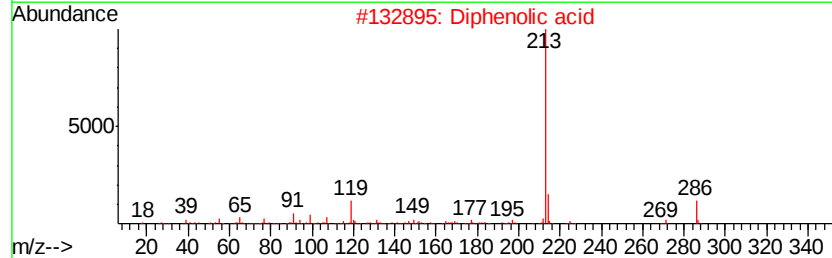
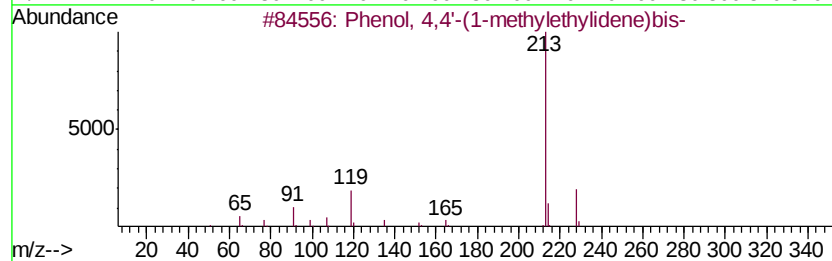
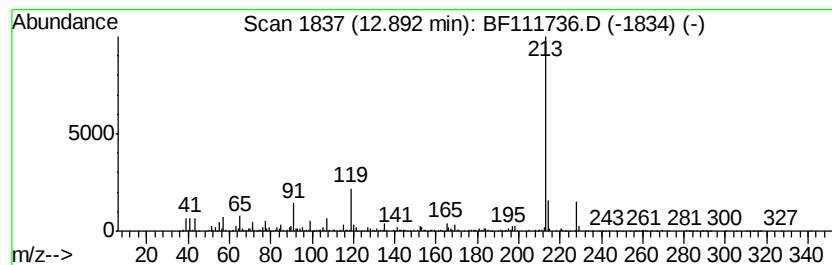
Instrument :
BNA_F
ClientSampleId :
P001-SS010-1824-01

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 5 Phenol, 4,4'-(1-methylethyl... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.89	24.72 ng	836993	Chrysene-d12	14.07		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4,4'-(1-methylethylidene...	228	C15H16O2	000080-05-7	96	
2	Diphenolic acid	286	C17H18O4	000126-00-1	83	
3	2H,8H-Benzo[1,2-b:5,4-b']dipyrans...	228	C14H12O3	000553-19-5	53	
4	2,5-bis(Trimethylsilyl)thiophene	228	C10H20SSi2	017906-71-7	53	
5	Carbanilic acid, p-phenyl-	213	C13H11NO2	004474-53-7	52	



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122618\
Data File : BF111736.D
Acq On : 27 Dec 2018 1:35
Operator : JU/SJ
Sample : J6388-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-SS010-1824-01

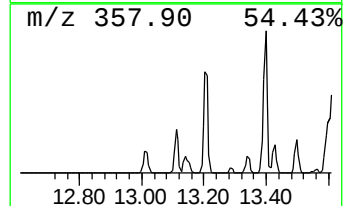
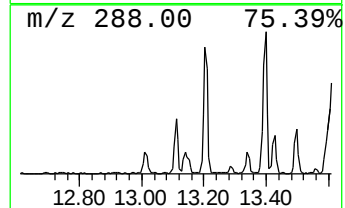
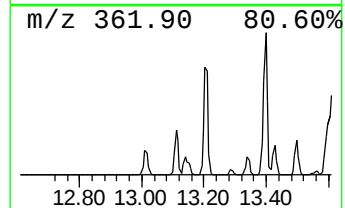
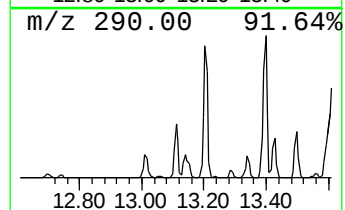
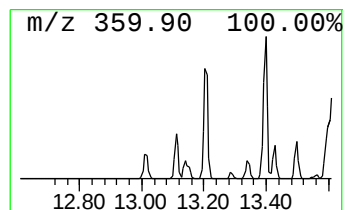
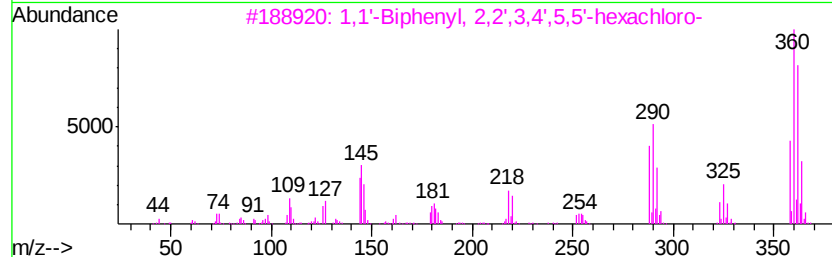
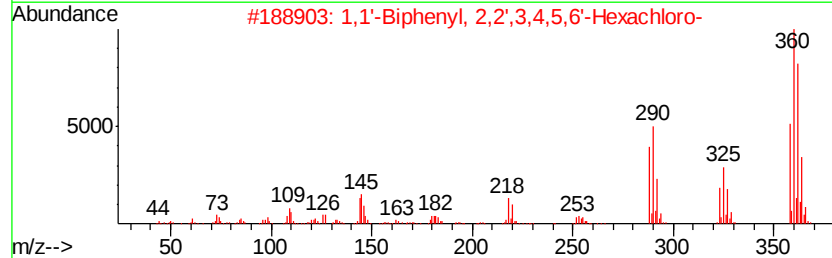
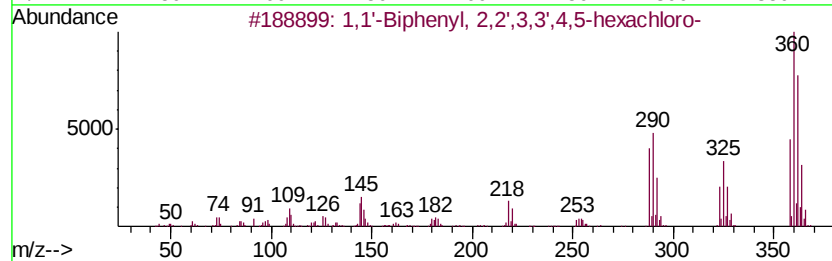
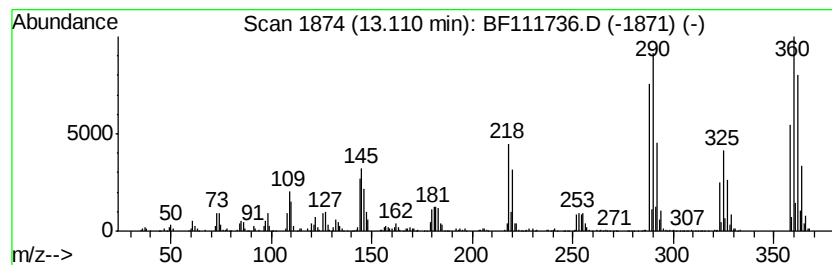
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	35.69 ng	1208460	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',3,4,5,6'-Hex...	358	C12H4Cl6	068194-15-0	99
3		1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	99
4		2,2',3,4,4',6'-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-64-4	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\BF122618\
Data File : BF111736.D
Acq On : 27 Dec 2018 1:35
Operator : JU/SJ
Sample : J6388-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

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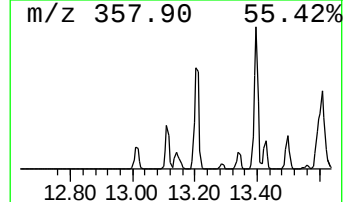
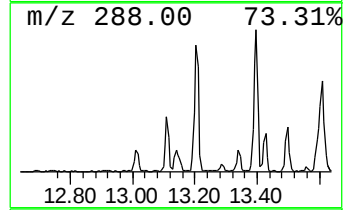
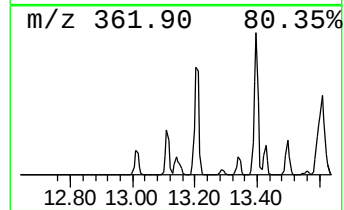
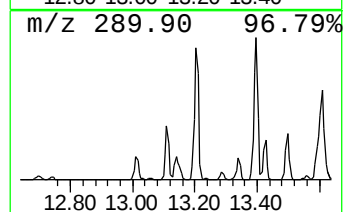
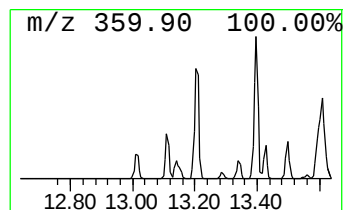
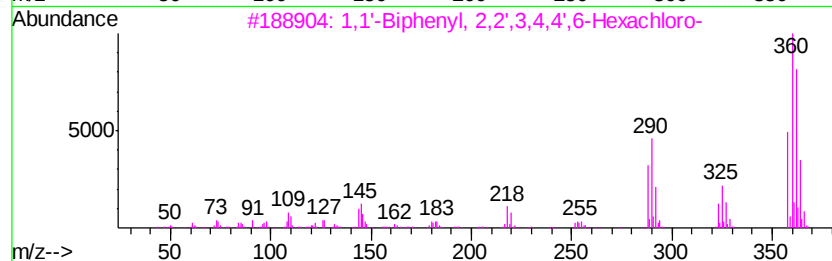
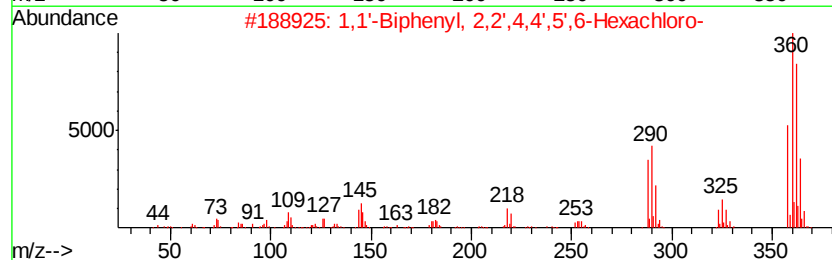
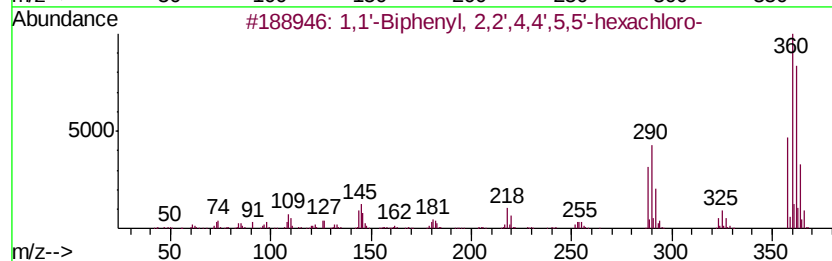
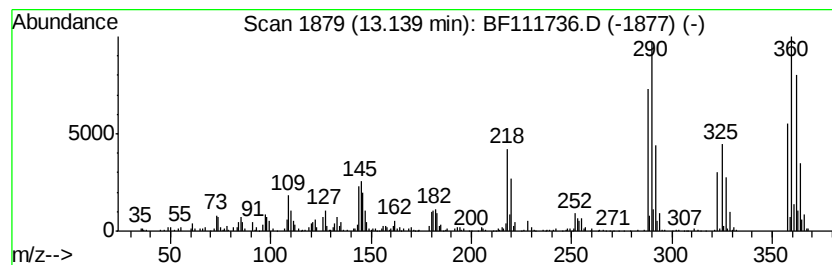
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 1,1'-Biphenyl, 2,2',4,4',5,... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.14	19.48 ng	659554	Chrysene-d12	14.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',4,4',5,5'-he...	358	C12H4Cl6	035065-27-1	99
2		1,1'-Biphenyl, 2,2',4,4',5',6-He...	358	C12H4Cl6	060145-22-4	99
3		1,1'-Biphenyl, 2,2',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	99
4		1,1'-Biphenyl, 2,2',3,3',4,6'-he...	358	C12H4Cl6	038380-05-1	99
5		1,1'-Biphenyl, 2,2',3,3',4,5'-he...	358	C12H4Cl6	052663-66-8	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122618\
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Acq On : 27 Dec 2018 1:35
Operator : JU/SJ
Sample : J6388-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

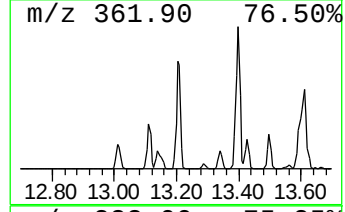
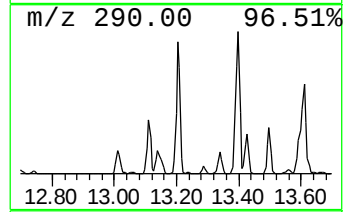
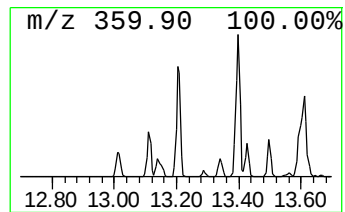
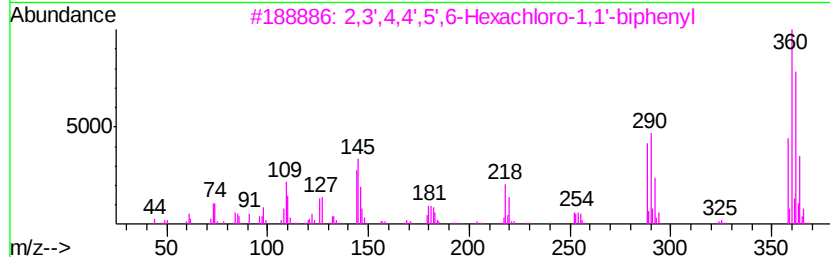
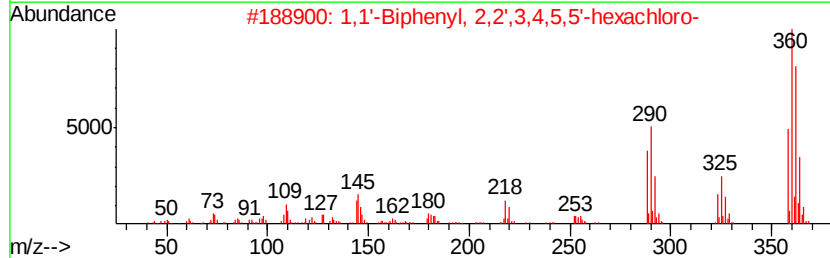
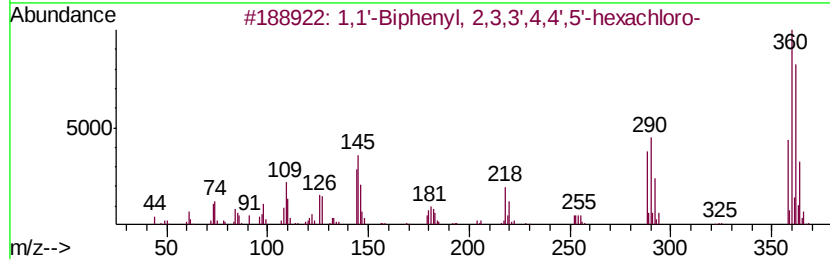
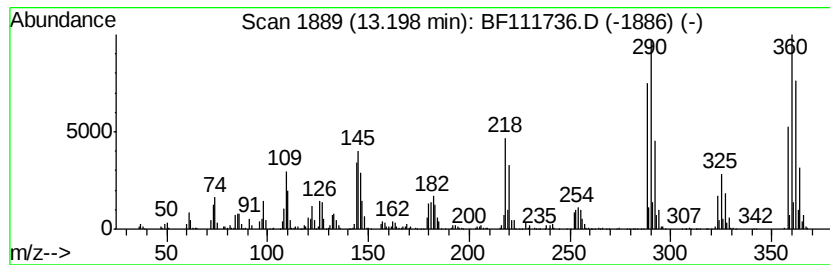
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.20	94.15 ng	3187980	Chrysene-d12	14.07	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,4',5'-he...	358	C12H4Cl6	069782-90-7	99
2	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99
3	2,3',4,4',5',6-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-65-5	99
4	2,3,3',4',5,5'-Hexachloro-1,1'-b...	358	C12H4Cl6	039635-34-2	99
5	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122618\
Data File : BF111736.D
Acq On : 27 Dec 2018 1:35
Operator : JU/SJ
Sample : J6388-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-SS010-1824-01

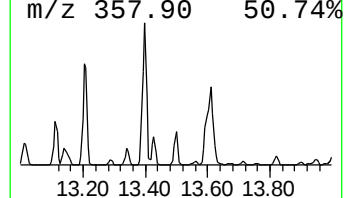
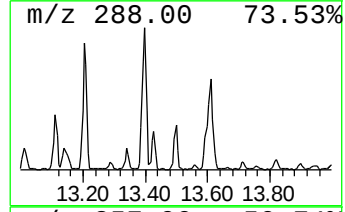
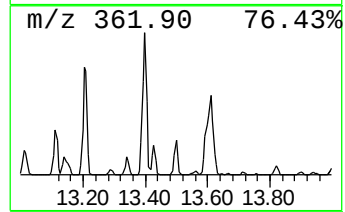
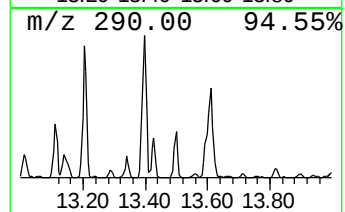
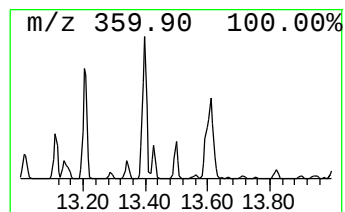
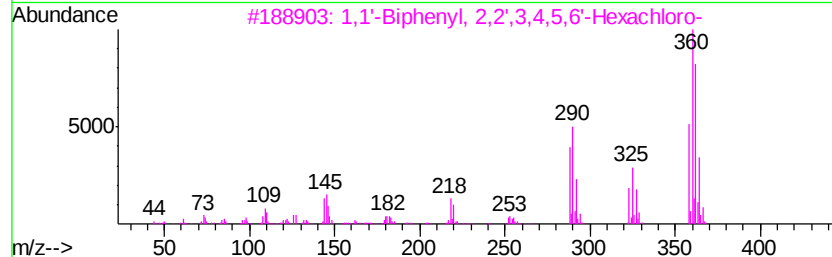
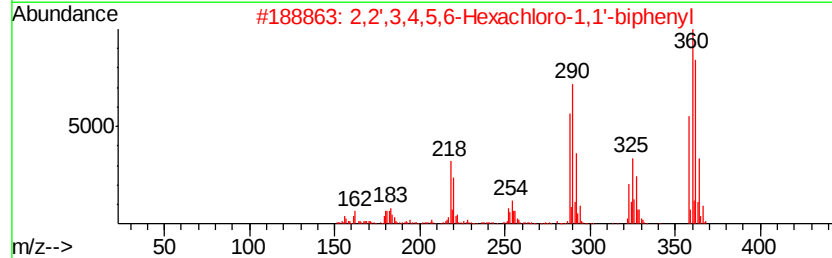
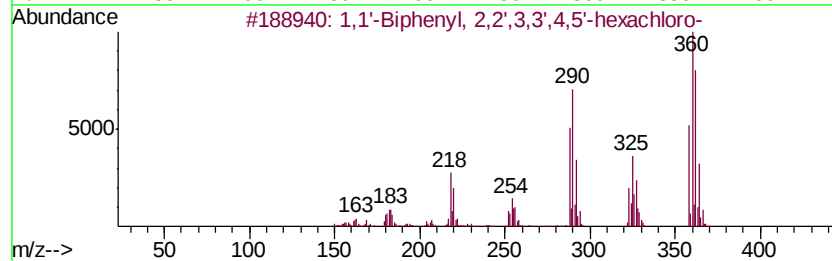
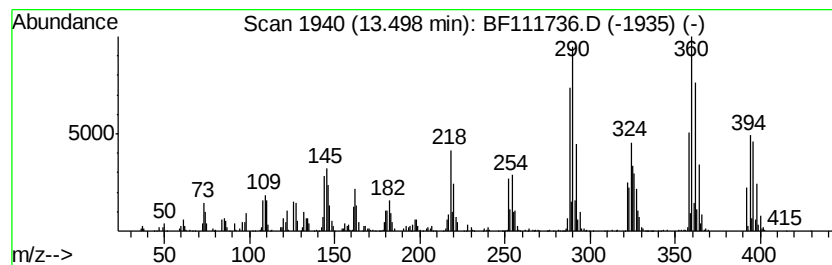
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.50	61.18 ng	2071660	Chrysene-d12	14.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',3,3',4,5'-he...	358	C12H4Cl6	052663-66-8	99
2		2,2',3,4,5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-61-4	99
3		1,1'-Biphenyl, 2,2',3,4,5,6'-Hex...	358	C12H4Cl6	068194-15-0	99
4		2,3,4,4',5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-63-6	99
5		1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122618\
Data File : BF111736.D
Acq On : 27 Dec 2018 1:35
Operator : JU/SJ
Sample : J6388-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-SS010-1824-01

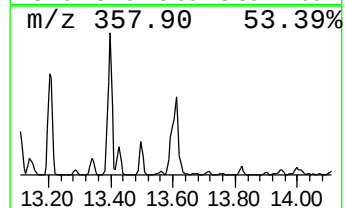
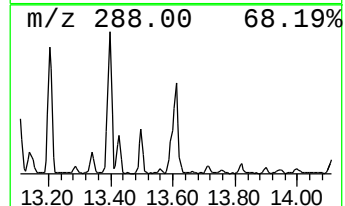
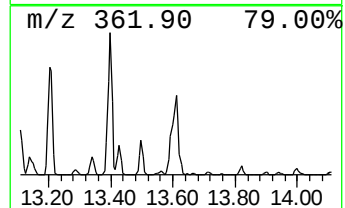
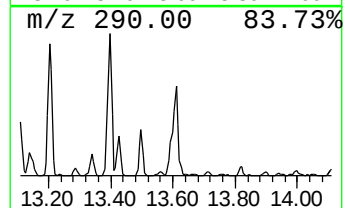
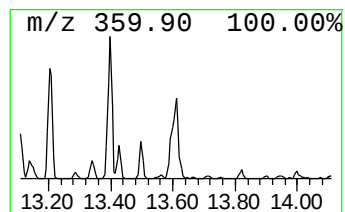
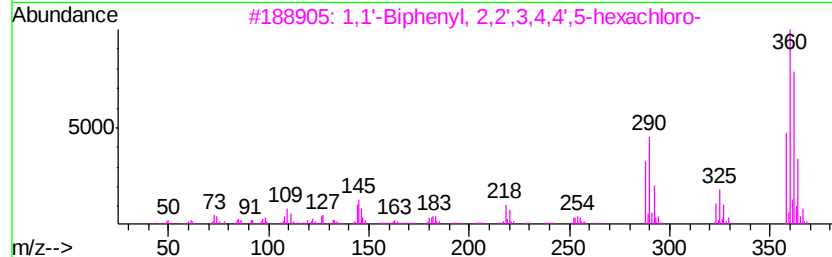
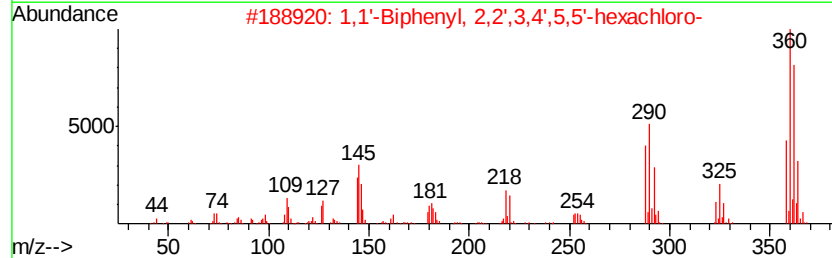
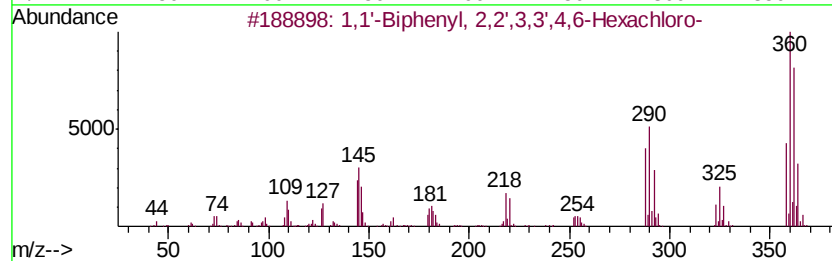
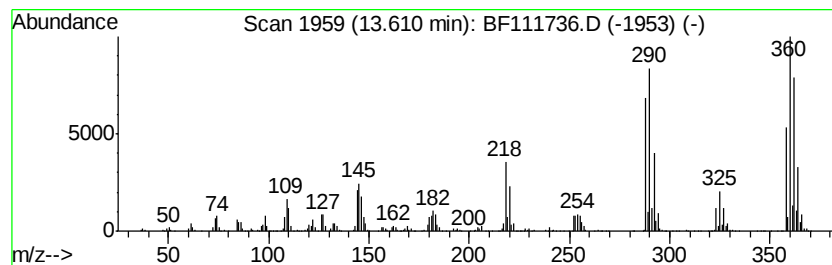
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.61	90.87 ng	3076750	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',3,4,4',5-hex...	358	C12H4Cl6	035694-06-5	99
4		2,3,3',4',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-44-9	99
5		2,3,4,4',5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-63-6	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122618\
Data File : BF111736.D
Acq On : 27 Dec 2018 1:35
Operator : JU/SJ
Sample : J6388-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-SS010-1824-01

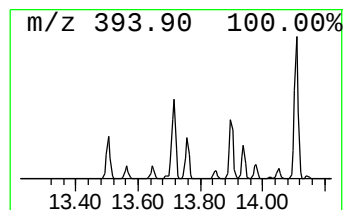
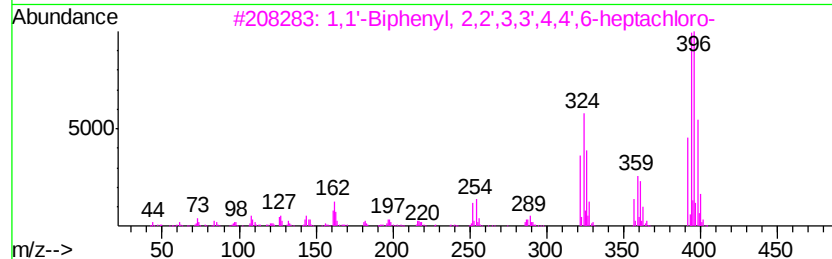
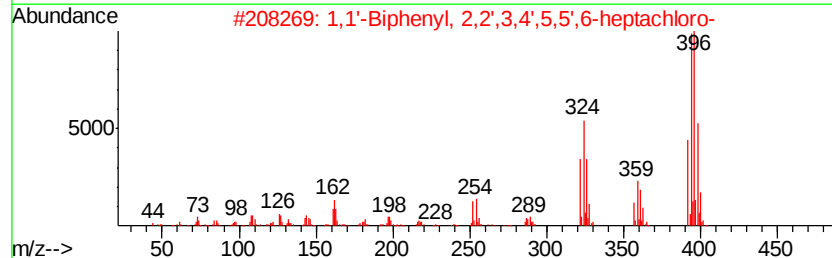
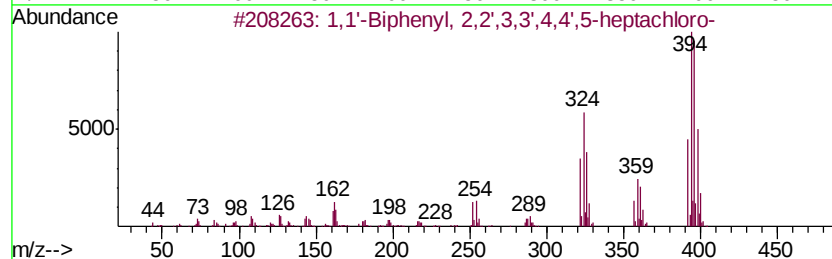
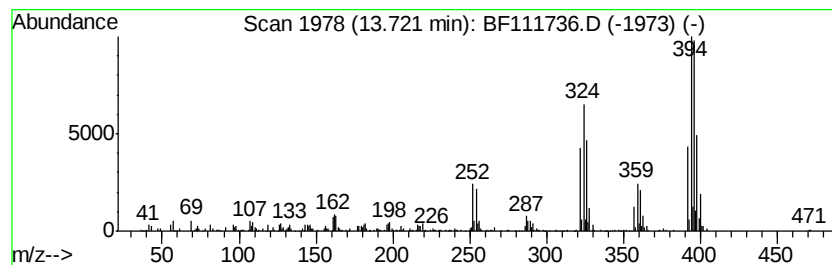
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	52.33 ng	1771720	Chrysene-d12	14.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',3,3',4,4',5-...	392	C12H3Cl7	035065-30-6	99
2		1,1'-Biphenyl, 2,2',3,4',5,5',6-...	392	C12H3Cl7	052663-68-0	99
3		1,1'-Biphenyl, 2,2',3,3',4,4',6-...	392	C12H3Cl7	052663-71-5	99
4		1,1'-Biphenyl, 2,2',3,3',4,6,6'-...	392	C12H3Cl7	052663-65-7	99
5		1,1'-Biphenyl, 2,2',3,4,5,6,6'-H...	392	C12H3Cl7	074472-49-4	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122618\
Data File : BF111736.D
Acq On : 27 Dec 2018 1:35
Operator : JU/SJ
Sample : J6388-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-SS010-1824-01

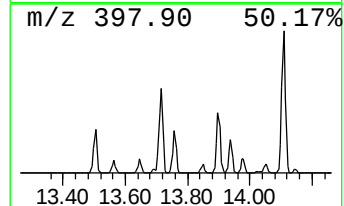
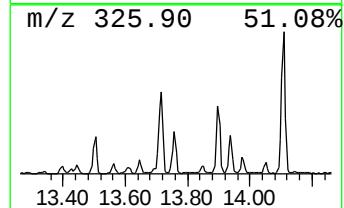
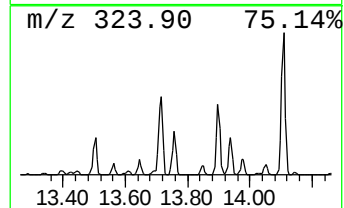
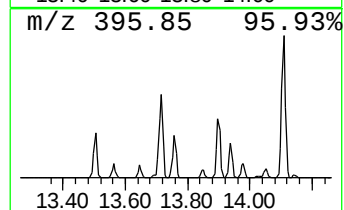
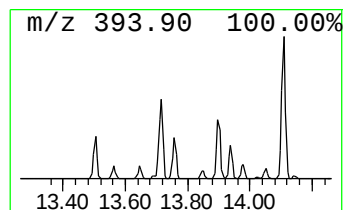
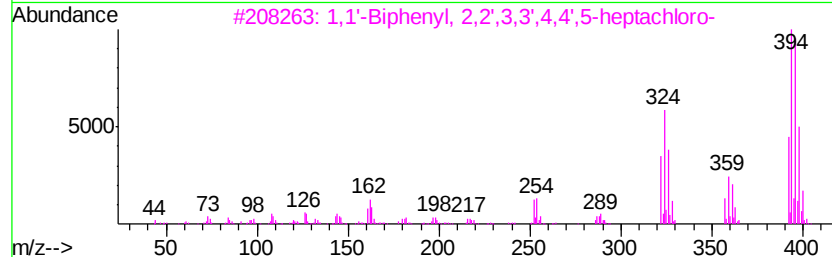
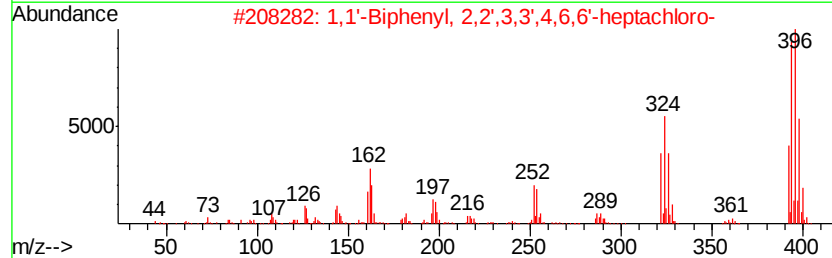
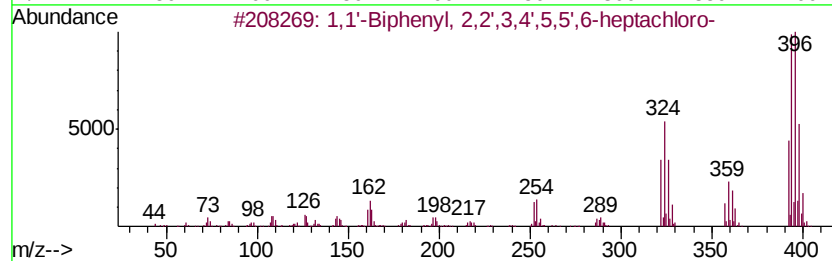
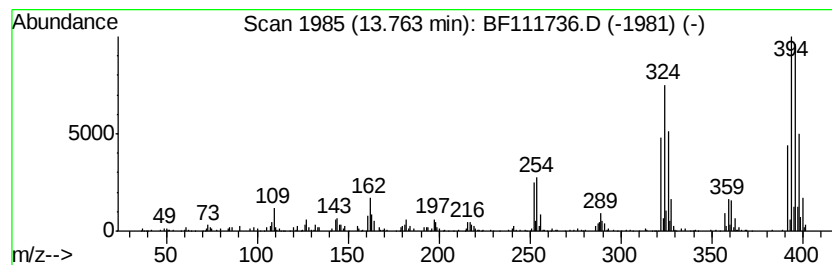
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 1,1'-Biphenyl, 2,2',3,4',5,... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	21.99 ng	744413	Chrysene-d12	14.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',3,4',5,5',6-...	392	C12H3Cl7	052663-68-0	99
2		1,1'-Biphenyl, 2,2',3,3',4,6,6'-...	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',3,4,5,6,6'-H...	392	C12H3Cl7	074472-49-4	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 : BF111736.D
Acq On : 27 Dec 2018 1:35
Operator : JU/SJ
Sample : J6388-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

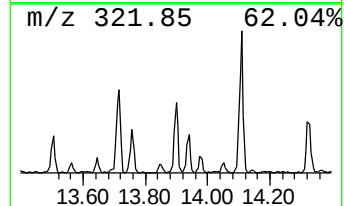
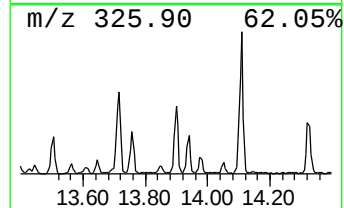
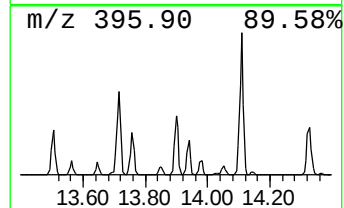
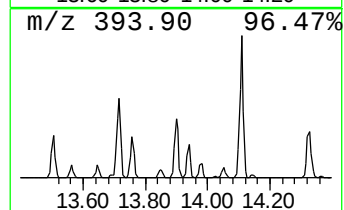
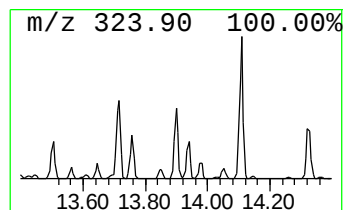
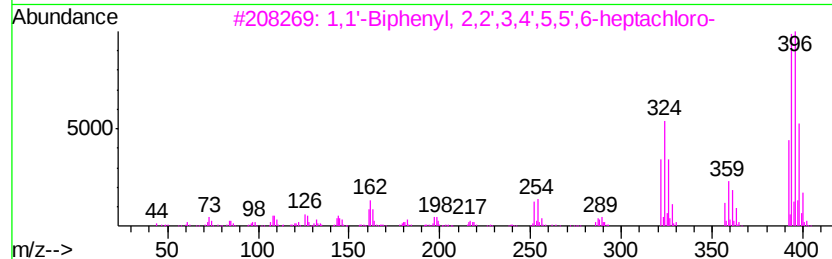
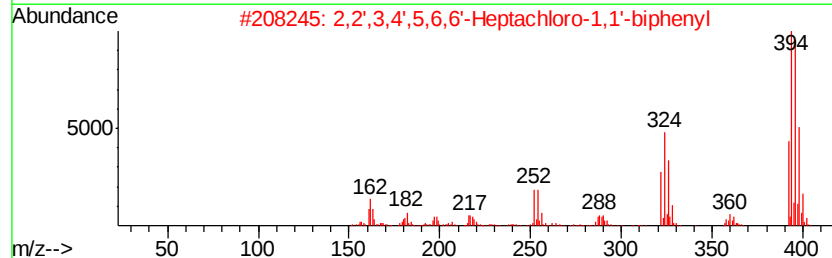
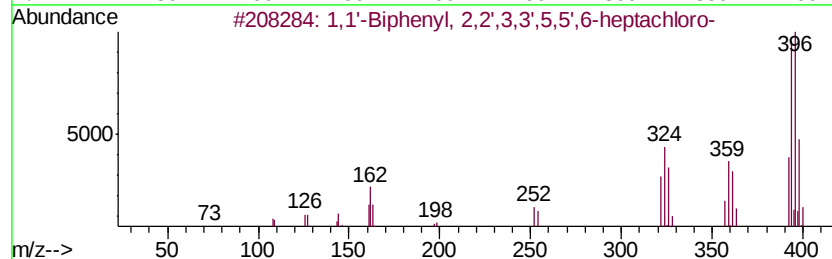
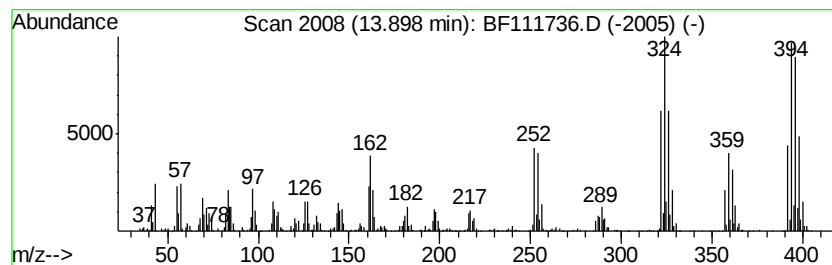
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ClientSampleId :
P001-SS010-1824-01

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

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.90	95.75 ng	3242160	Chrysene-d12	14.07		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',5,5',6-...	392	C12H3Cl7	052663-67-9	99	
2	2,2',3,4',5,6,6'-Heptachloro-1,1...	392	C12H3Cl7	074487-85-7	99	
3	1,1'-Biphenyl, 2,2',3,4',5,5',6-...	392	C12H3Cl7	052663-68-0	99	
4	1,1'-Biphenyl, 2,2',3,3',4,4',6-...	392	C12H3Cl7	052663-71-5	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 : BF111736.D
Acq On : 27 Dec 2018 1:35
Operator : JU/SJ
Sample : J6388-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

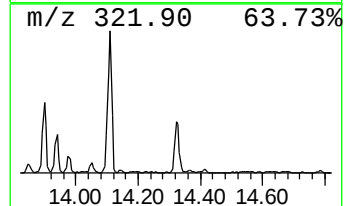
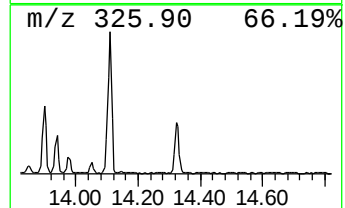
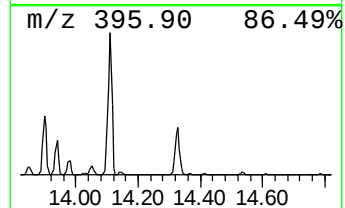
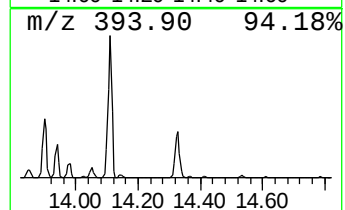
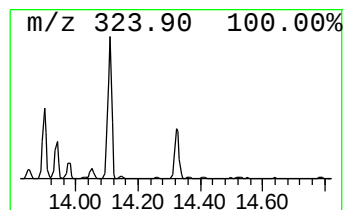
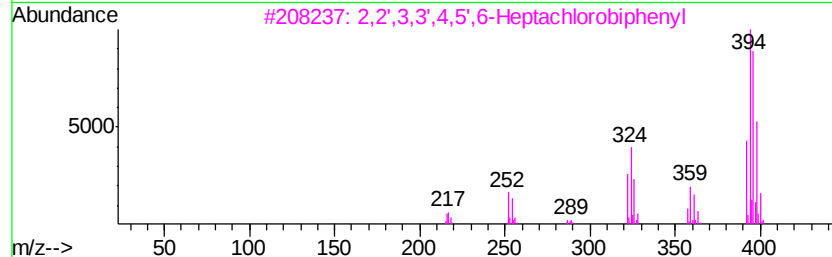
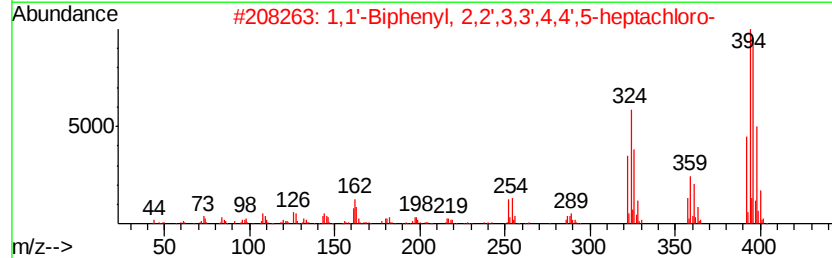
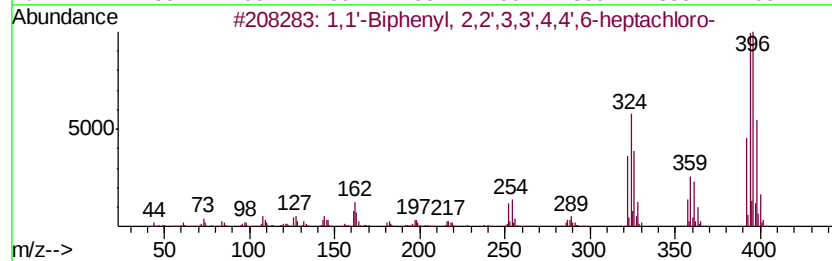
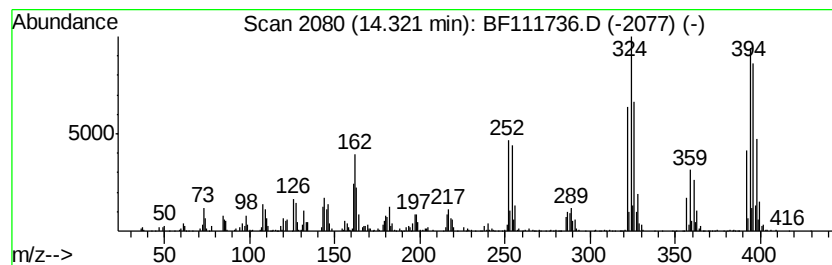
Instrument :
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ClientSampleId :
P001-SS010-1824-01

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

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

Peak Number 17 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.32	36.71 ng	1242820	Chrysene-d12	14.07	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,4',6-...	392	C12H3Cl7	052663-71-5	99
2	1,1'-Biphenyl, 2,2',3,3',4,4',5-...	392	C12H3Cl7	035065-30-6	99
3	2,2',3,3',4,5',6-Heptachlorobiph...	392	C12H3Cl7	040186-70-7	99
4	1,1'-Biphenyl, 2,3,3',4,4',5,6-H...	392	C12H3Cl7	041411-64-7	99
5	1,1'-Biphenyl, 2,3,3',4,4',5,5'-...	392	C12H3Cl7	039635-31-9	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122618\
Data File : BF111736.D
Acq On : 27 Dec 2018 1:35
Operator : JU/SJ
Sample : J6388-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

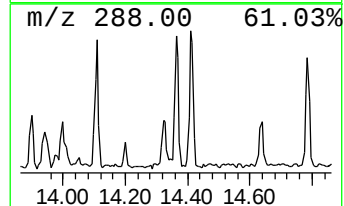
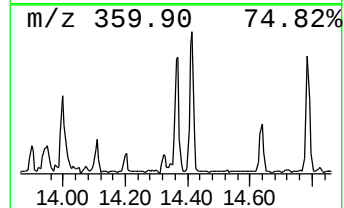
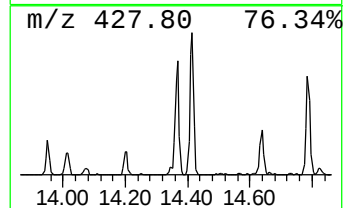
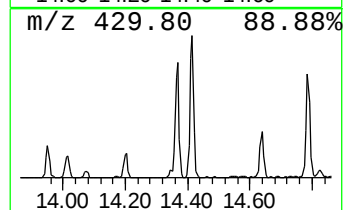
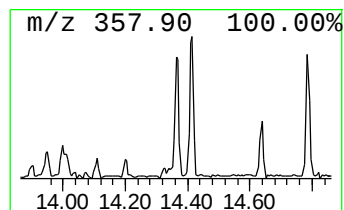
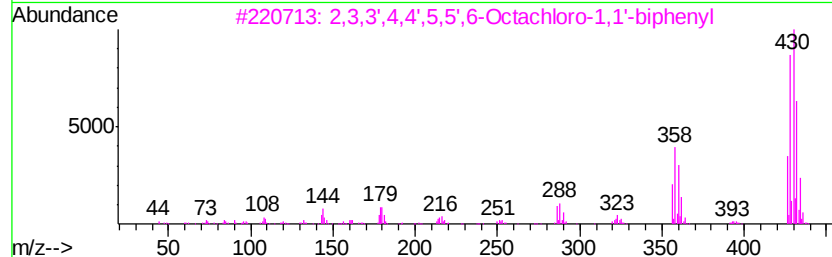
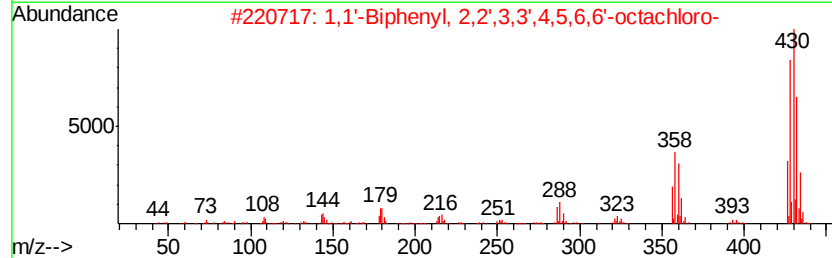
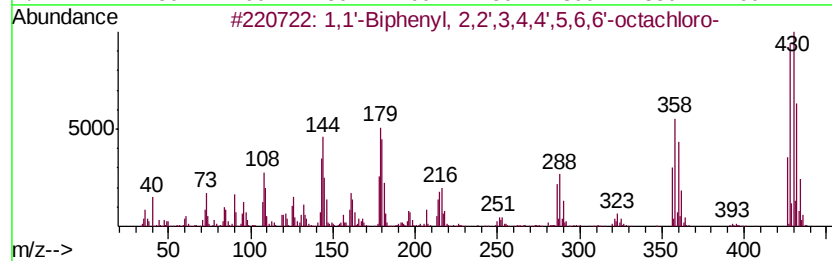
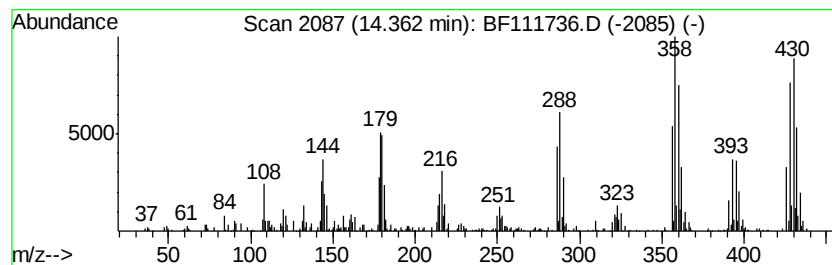
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.36	19.88 ng	673287	Chrysene-d12	14.07		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'	-Biphenyl, 2,2',3,4,4',5,6,6...	426	C12H2Cl8	074472-52-9	99
2	1,1'	-Biphenyl, 2,2',3,3',4,5,6,6...	426	C12H2Cl8	052663-73-7	99
3	2,3,3',4,4',5,5',6-Octachloro-1,...	426	C12H2Cl8	074472-53-0	99	
4	1,1'	-Biphenyl, 2,2',3,3',4,5,5',...	426	C12H2Cl8	052663-75-9	99
5	1,1'	-Biphenyl, 2,2',3,3',4,4',5,...	426	C12H2Cl8	042740-50-1	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122618\
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Operator : JU/SJ
Sample : J6388-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

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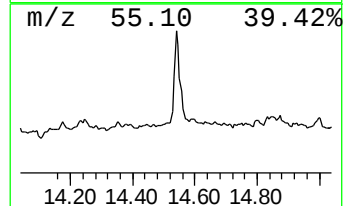
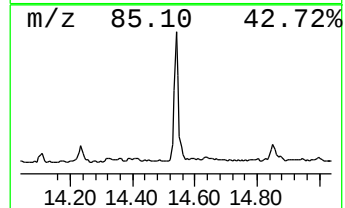
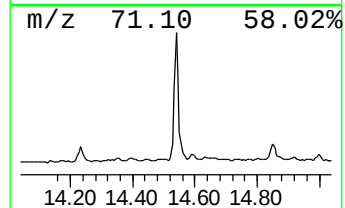
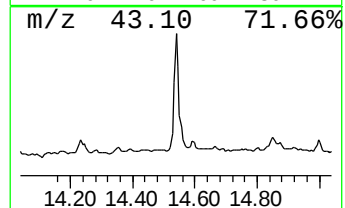
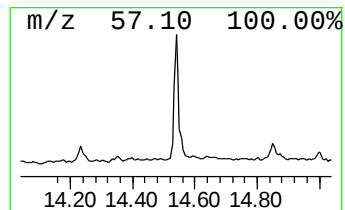
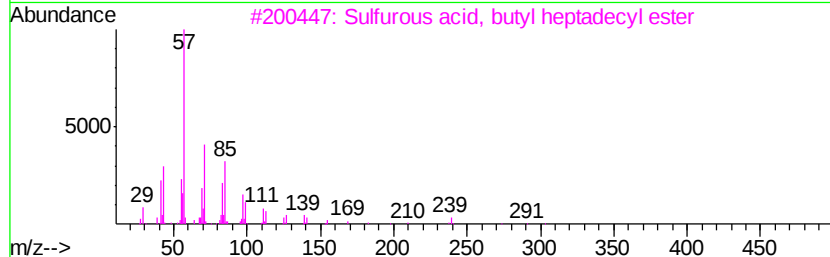
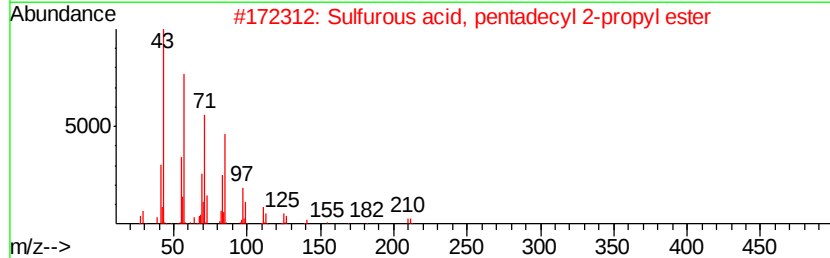
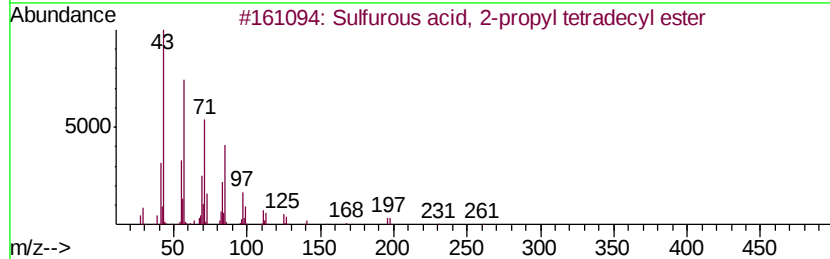
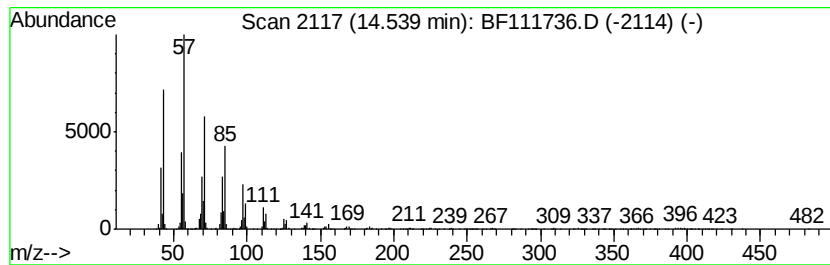
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Sulfurous acid, 2-propyl te... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	84.12 ng	2848360	Chrysene-d12	14.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Sulfurous acid, 2-propyl tetradecyl...	320	C17H36O3S	1000309-12-5	91
2		Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	91
3		Sulfurous acid, butyl heptadecyl...	376	C21H44O3S	1000309-18-4	87
4		Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	87
5		Octacosane	394	C28H58	000630-02-4	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122618\
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Acq On : 27 Dec 2018 1:35
Operator : JU/SJ
Sample : J6388-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

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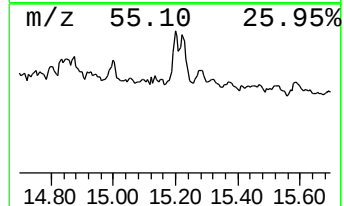
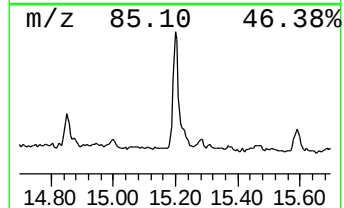
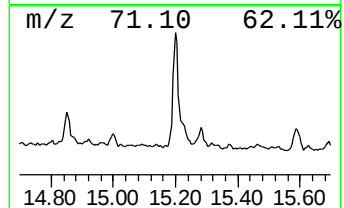
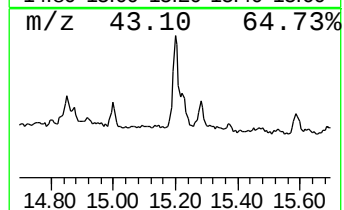
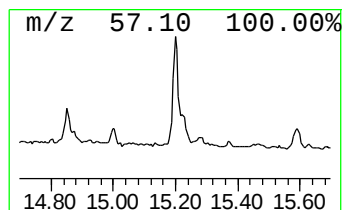
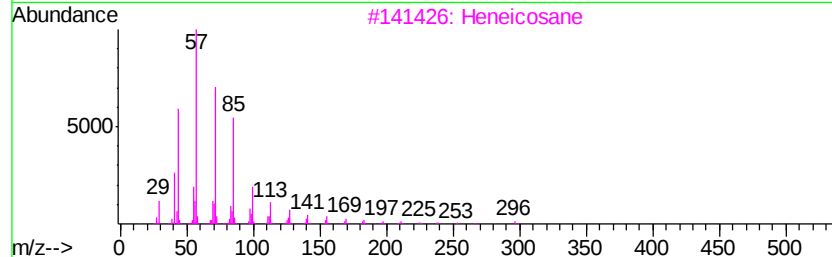
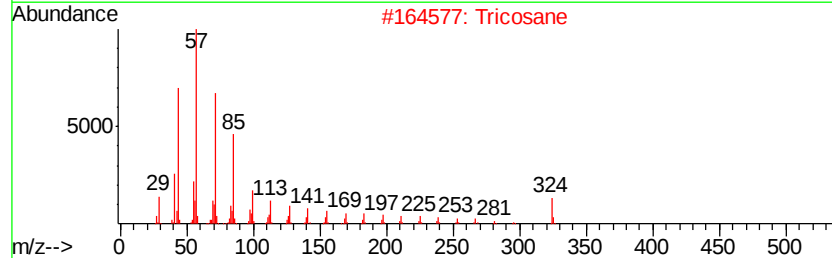
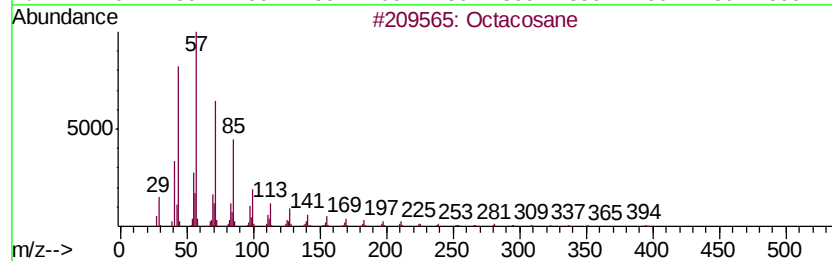
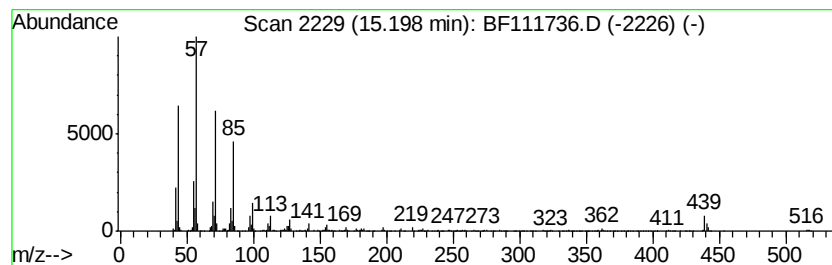
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Octacosane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	20.00 ng	1183190	Perylene-d12	15.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octacosane	394	C28H58	000630-02-4	95
2		Tricosane	324	C23H48	000638-67-5	94
3		Heneicosane	296	C21H44	000629-94-7	76
4		Heptacosane	380	C27H56	000593-49-7	76
5		Hexacosane	366	C26H54	000630-01-3	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122618\
 Data File : BF111736.D
 Acq On : 27 Dec 2018 1:35
 Operator : JU/SJ
 Sample : J6388-13
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown-01	6.68	61.1	ng	2607170	1	6.90	853356	20.0
1,1'-Biphenyl, 2,...	12.56	26.2	ng	1243310	4	11.43	948431	20.0
1,1'-Biphenyl, 2,...	12.74	26.9	ng	1274210	4	11.43	948431	20.0
Phenol, 4,4'-(1-m...	12.89	24.7	ng	836993	5	14.07	677185	20.0
1,1'-Biphenyl, 2,...	13.11	35.7	ng	1208460	5	14.07	677185	20.0
1,1'-Biphenyl, 2,...	13.14	19.5	ng	659554	5	14.07	677185	20.0
1,1'-Biphenyl, 2,...	13.20	94.2	ng	3187980	5	14.07	677185	20.0
1,1'-Biphenyl, 2,...	13.50	61.2	ng	2071660	5	14.07	677185	20.0
1,1'-Biphenyl, 2,...	13.61	90.9	ng	3076750	5	14.07	677185	20.0
1,1'-Biphenyl, 2,...	13.72	52.3	ng	1771720	5	14.07	677185	20.0
1,1'-Biphenyl, 2,...	13.76	22.0	ng	744413	5	14.07	677185	20.0
1,1'-Biphenyl, 2,...	13.90	95.8	ng	3242160	5	14.07	677185	20.0
1,1'-Biphenyl, 2,...	14.32	36.7	ng	1242820	5	14.07	677185	20.0
1,1'-Biphenyl, 2,...	14.36	19.9	ng	673287	5	14.07	677185	20.0
Sulfurous acid, 2...	14.54	84.1	ng	2848360	5	14.07	677185	20.0
Octacosane	15.20	20.0	ng	1183190	6	15.56	1183190	20.0