

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
 Data File : BF111509.D
 Acq On : 16 Dec 2018 15:32
 Operator : JU/SJ
 Sample : J6386-12
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS006-1824-01

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-BF121418.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	4.998	490	495	501	rBV	201440	273965	1.60%	0.294%
2	5.416	561	566	569	rBV	4911665	4702024	27.47%	5.046%
3	6.434	734	739	749	rBV	5556231	6105589	35.67%	6.552%
4	6.563	756	761	764	rBV	6607708	5978910	34.93%	6.416%
5	6.786	795	799	807	rBV	2019481	1637728	9.57%	1.757%
6	6.945	822	826	829	rBV	5415793	4650284	27.17%	4.990%
7	7.351	888	895	898	rBV	3833517	3959932	23.14%	4.249%
8	7.457	906	913	926	rVB2	114867	230587	1.35%	0.247%
9	8.069	1013	1017	1020	rBV	2524779	2094166	12.24%	2.247%
10	9.145	1195	1200	1203	rBV	7004361	6463710	37.76%	6.936%
11	9.233	1211	1215	1220	rVB3	184229	203569	1.19%	0.218%
12	9.533	1263	1266	1275	rVB	604759	633574	3.70%	0.680%
13	9.822	1309	1315	1319	rBV2	2652518	2331741	13.62%	2.502%
14	10.033	1347	1351	1355	rBV2	214435	237176	1.39%	0.255%
15	10.610	1445	1449	1452	rBV	2799257	2435961	14.23%	2.614%
16	10.980	1509	1512	1520	rBV	309601	327219	1.91%	0.351%
17	11.304	1563	1567	1570	rBV	1700131	1510598	8.83%	1.621%
18	11.886	1654	1666	1669	rBV	8157989	17115967	100.00%	18.367%
19	12.433	1756	1759	1763	rVB	321415	260875	1.52%	0.280%
20	12.557	1774	1780	1787	rBV	1204505	2286592	13.36%	2.454%
21	12.663	1787	1798	1801	rBV2	8348716	14701905	85.90%	15.777%
22	12.745	1810	1812	1815	rVB	236510	189099	1.10%	0.203%
23	12.774	1815	1817	1825	rVB	228525	315746	1.84%	0.339%
24	12.892	1833	1837	1844	rVB	3455795	3249834	18.99%	3.487%
25	12.986	1850	1853	1856	rVB	422709	324478	1.90%	0.348%
26	13.080	1865	1869	1872	rBV	1109658	920191	5.38%	0.987%
27	13.268	1898	1901	1904	rVV	1185588	1007478	5.89%	1.081%
28	13.298	1904	1906	1909	rVB2	323469	263155	1.54%	0.282%
29	13.374	1916	1919	1924	rVB2	527857	544274	3.18%	0.584%
30	13.480	1932	1937	1941	rVB2	693398	874235	5.11%	0.938%
31	13.586	1952	1955	1959	rVB	679595	587180	3.43%	0.630%
32	13.627	1960	1962	1967	rVB	271760	266104	1.55%	0.286%
33	13.774	1984	1987	1989	rBV	526032	481579	2.81%	0.517%
34	13.810	1989	1993	1997	rVB2	411838	547980	3.20%	0.588%

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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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.945	2012	2016	2019	rVV	1102613	1043661	6.10%	1.120%
36	13.980	2019	2022	2026	rVB2	1114287	990051	5.78%	1.062%
37	14.198	2056	2059	2062	rBV2	482096	535856	3.13%	0.575%
38	14.239	2063	2066	2068	rBV	312584	258638	1.51%	0.278%
39	14.286	2071	2074	2076	rBV2	394804	406872	2.38%	0.437%
40	14.698	2141	2144	2146	rBV	878319	826212	4.83%	0.887%
41	15.045	2201	2203	2207	rBV	338222	336960	1.97%	0.362%
42	15.380	2256	2260	2263	rBV	903369	1076328	6.29%	1.155%

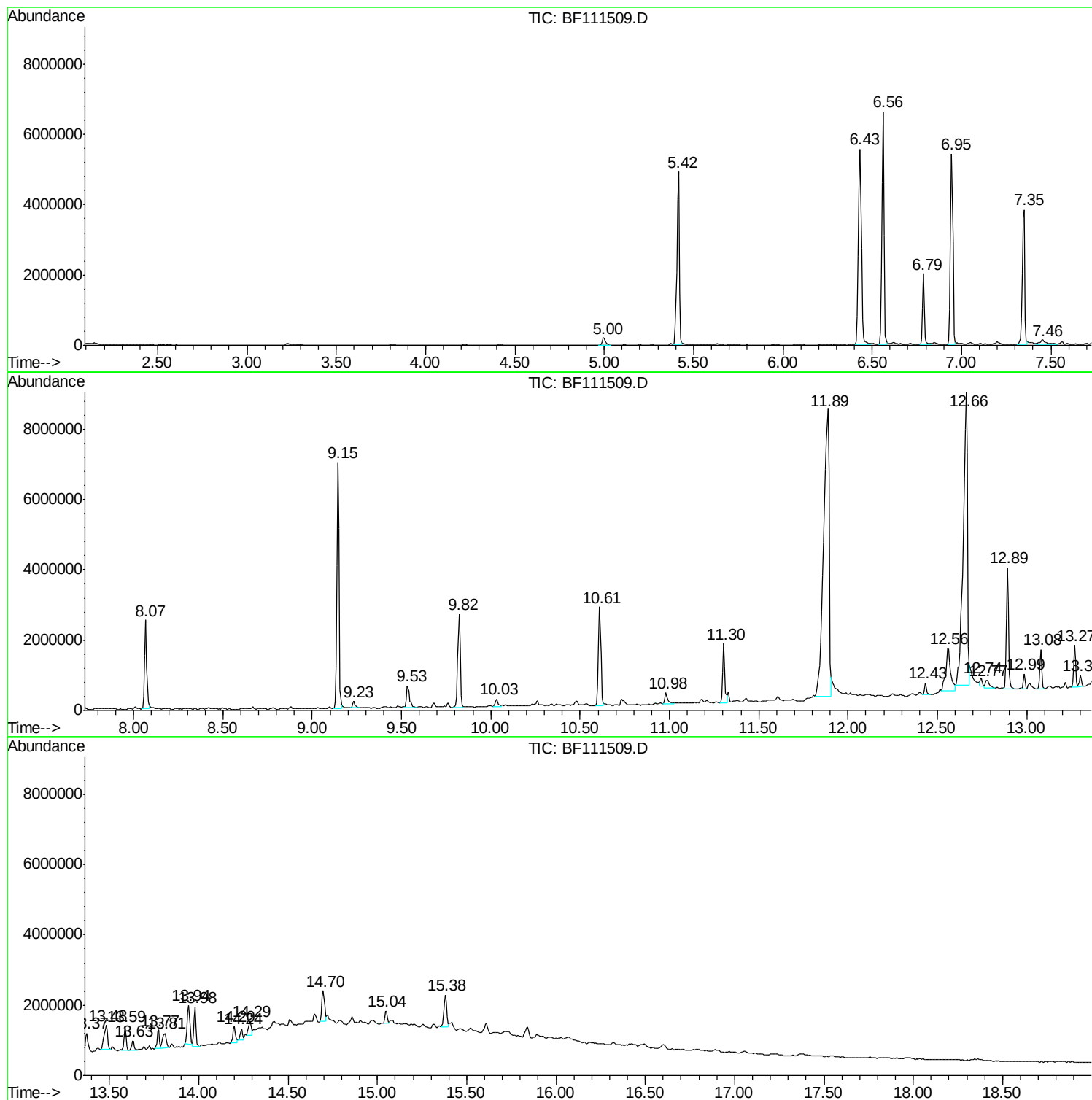
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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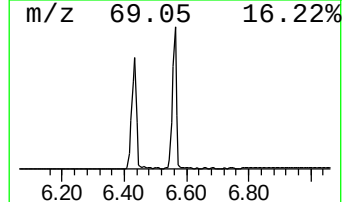
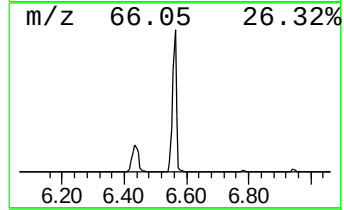
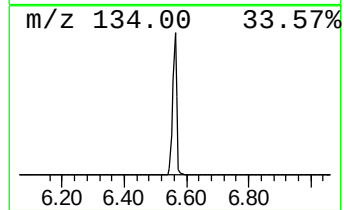
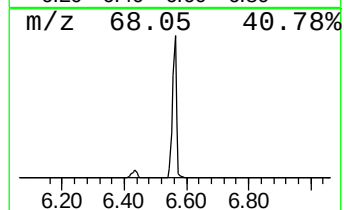
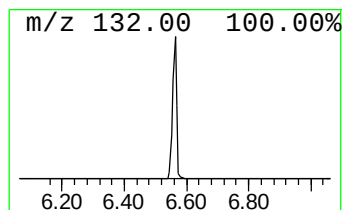
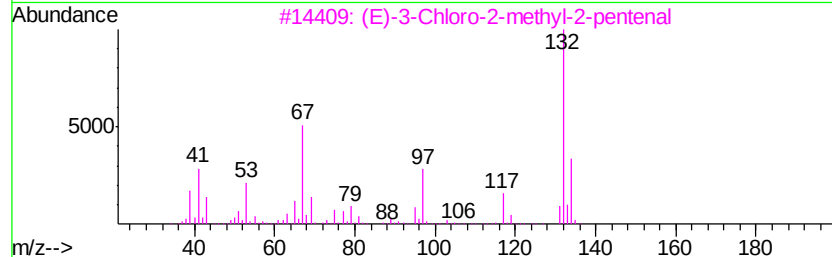
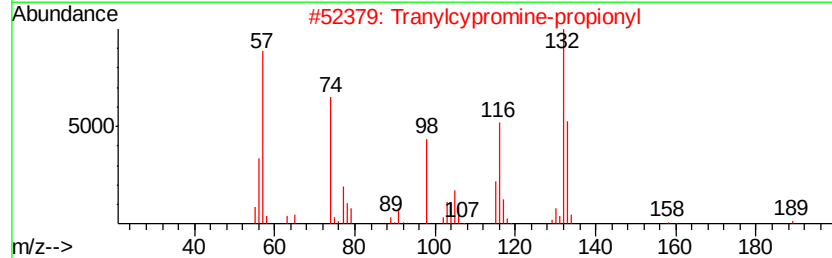
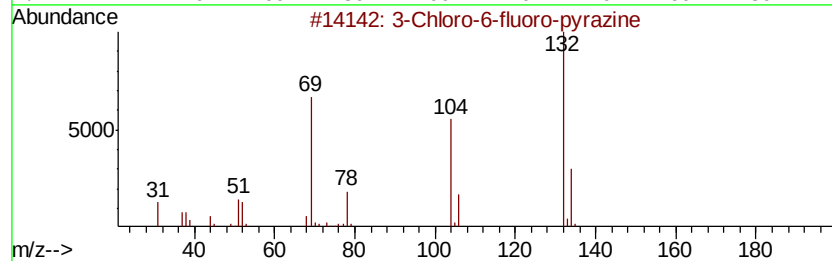
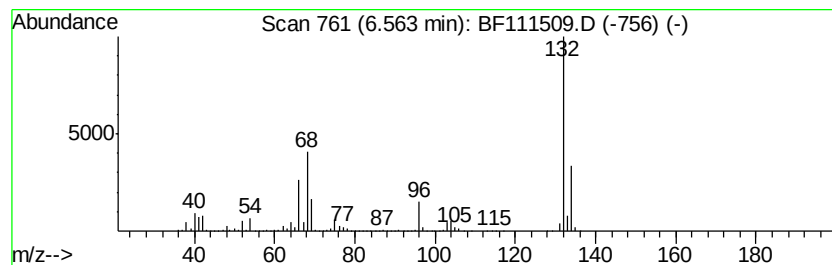
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.56 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	73.01 ng	5978910	1,4-Dichlorobenzene-d4	6.79

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2			Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3			(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
4			Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5			2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9



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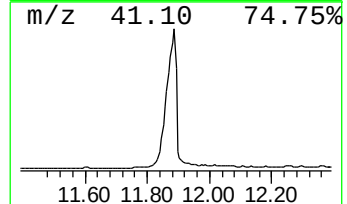
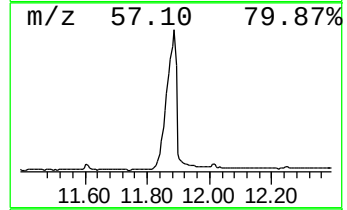
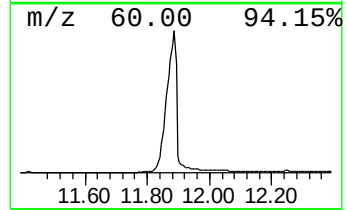
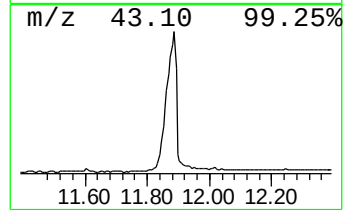
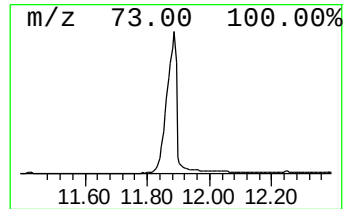
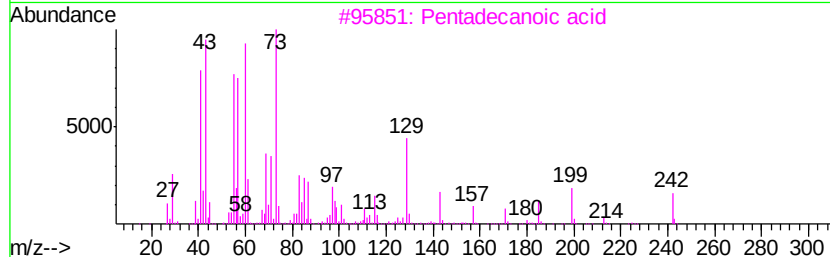
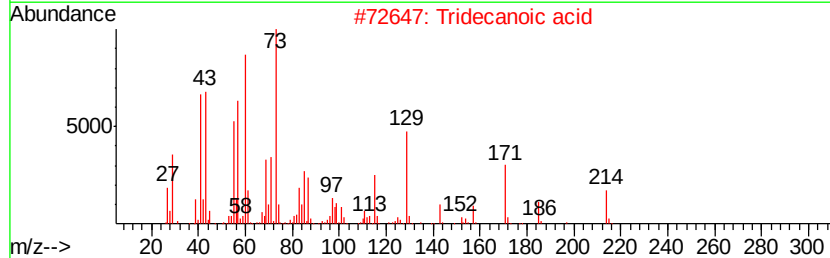
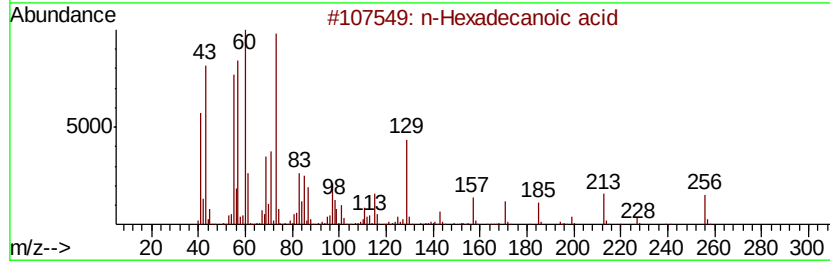
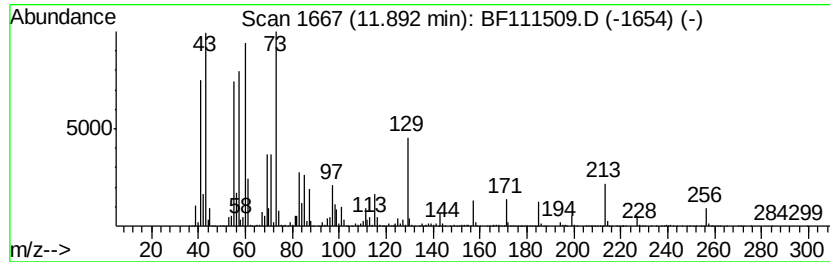
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TIC Integration Parameters: LSCINT.P

Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	226.61 ng	17116000	Phenanthrene-d10	11.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		n-Hexadecanoic acid	256 C16H32O2	000057-10-3 99
2		Tridecanoic acid	214 C13H26O2	000638-53-9 94
3		Pentadecanoic acid	242 C15H30O2	001002-84-2 90
4		Tetradecanoic acid	228 C14H28O2	000544-63-8 72
5		Undecanoic acid	186 C11H22O2	000112-37-8 64



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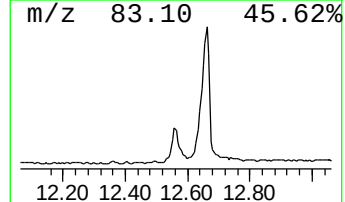
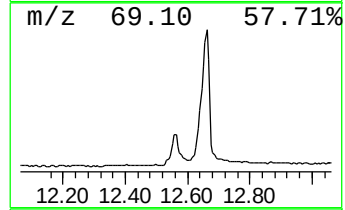
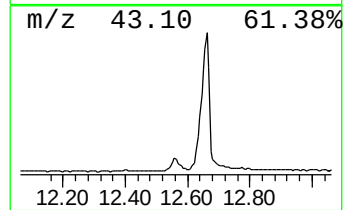
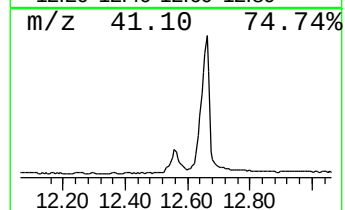
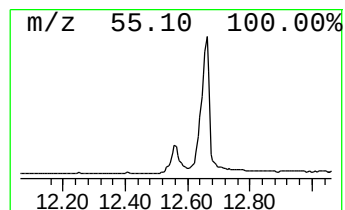
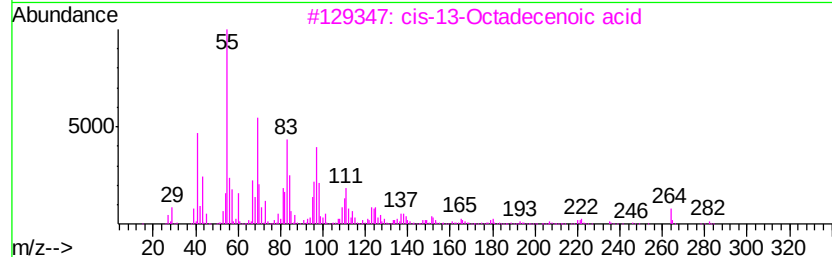
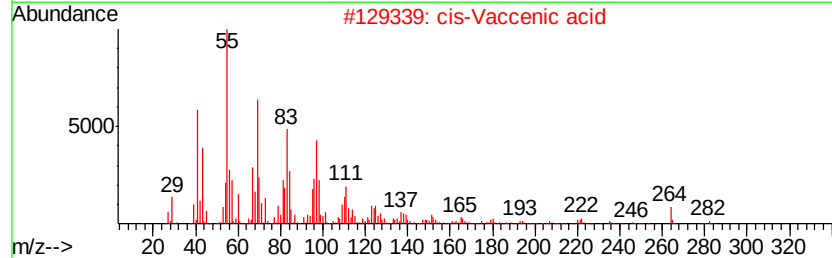
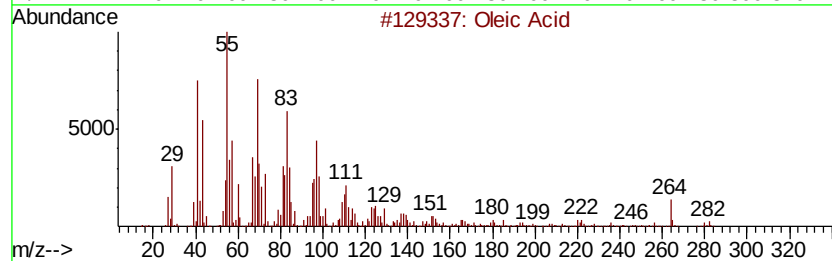
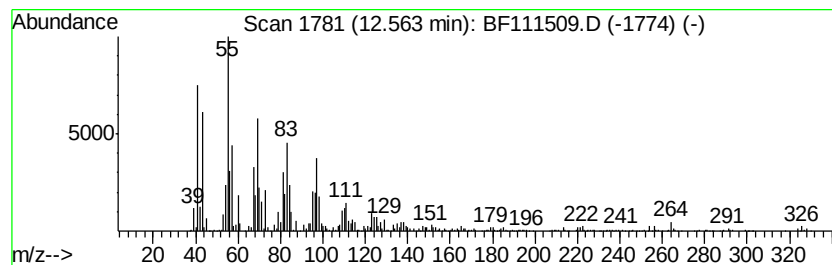
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Oleic Acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	30.27 ng	2286590	Phenanthrene-d10	11.30
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Oleic Acid	282 C18H34O2	000112-80-1	91
2	cis-Vaccenic acid	282 C18H34O2	000506-17-2	87
3	cis-13-Octadecenoic acid	282 C18H34O2	013126-39-1	83
4	cis-9-Hexadecenoic acid	254 C16H30O2	1000333-19-5	83
5	Z-9-Pentadecenol	226 C15H30O	1000130-76-9	78



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ALS Vial : 6 Sample Multiplier: 1

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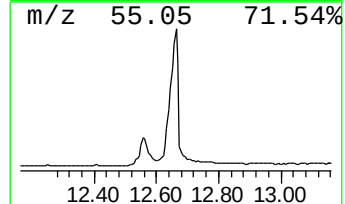
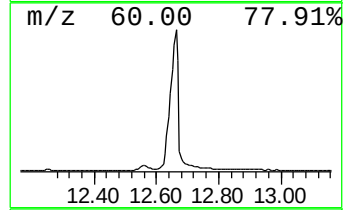
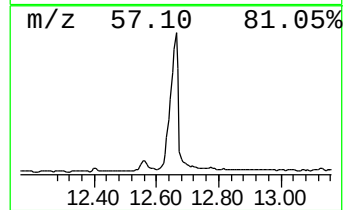
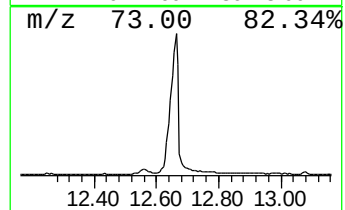
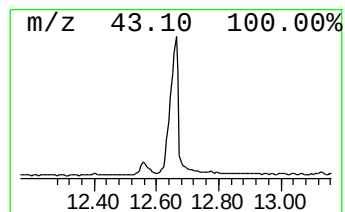
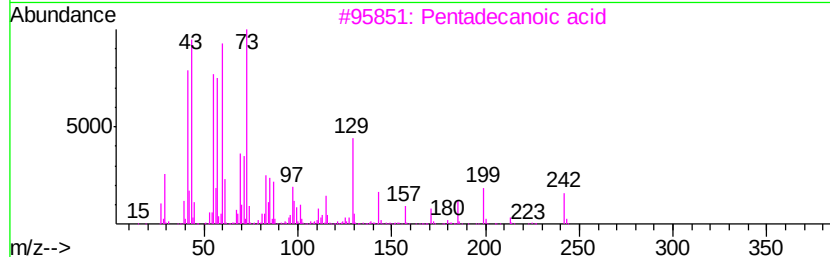
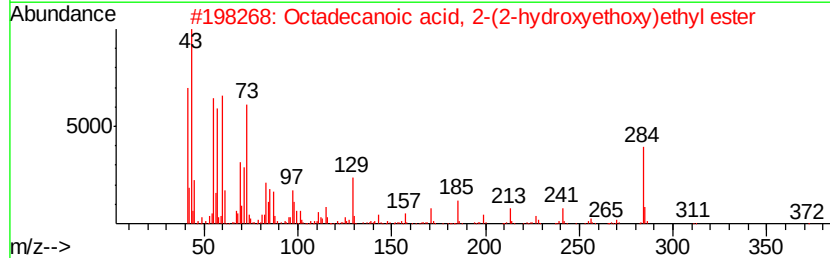
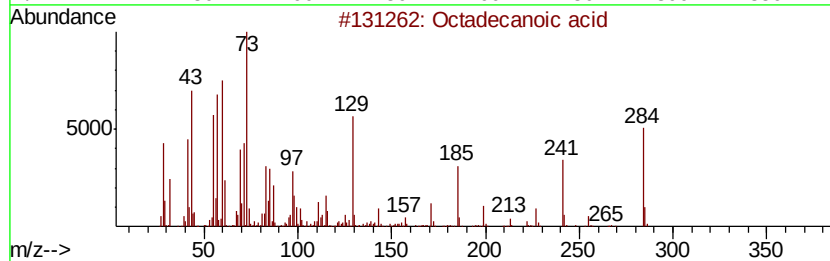
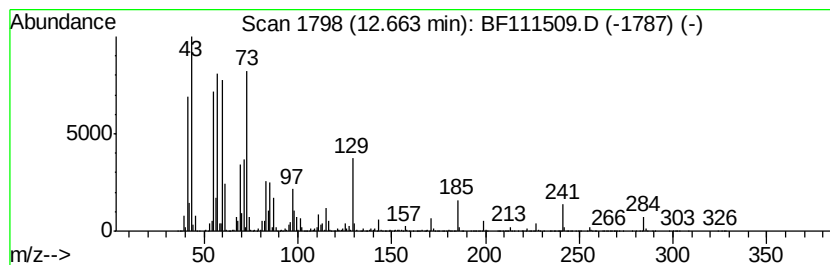
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Octadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.66	281.74 ng	14701900	Chrysene-d12	13.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2		Octadecanoic acid, 2-(2-hydroxyve...	372	C22H44O4	000106-11-6	86
3		Pentadecanoic acid	242	C15H30O2	001002-84-2	86
4		Tetradecanoic acid	228	C14H28O2	000544-63-8	72
5		Tridecanoic acid	214	C13H26O2	000638-53-9	64



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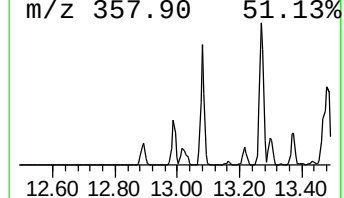
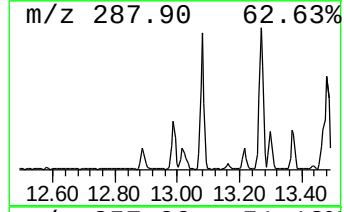
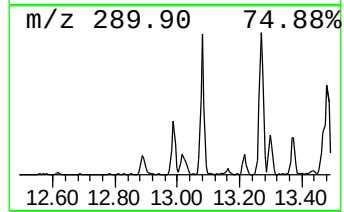
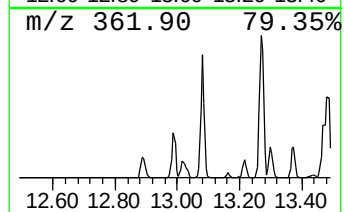
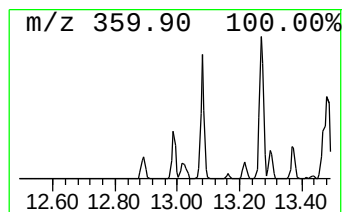
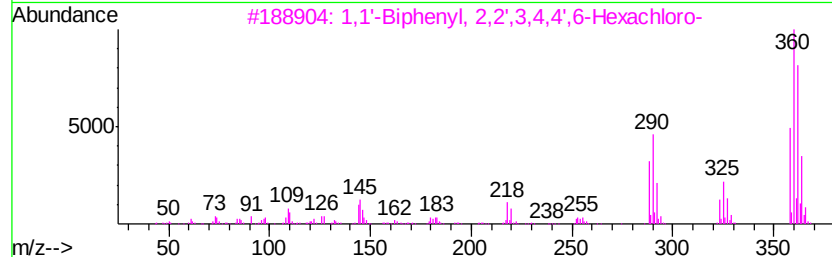
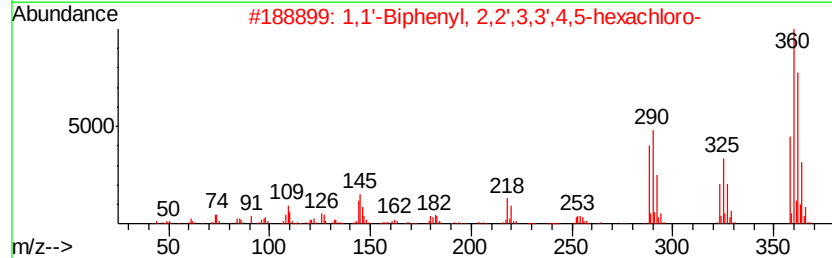
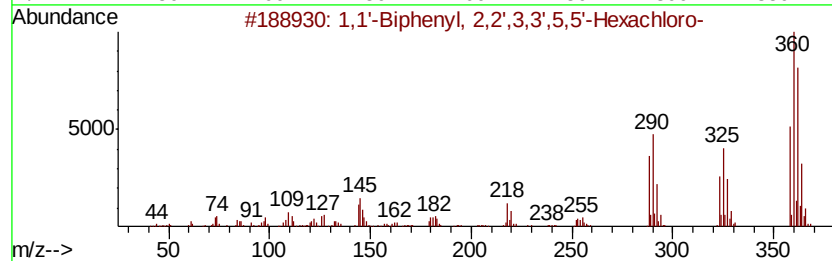
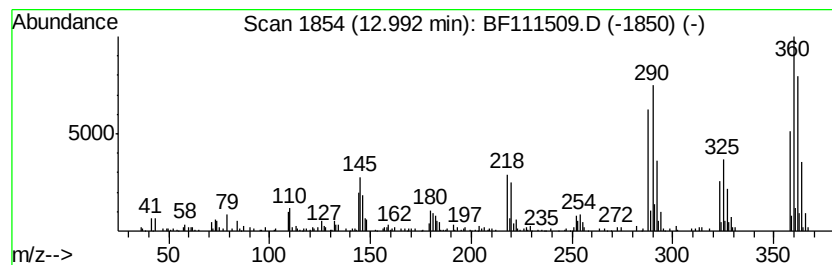
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 1,1'-Biphenyl, 2,2',3,3',5,... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.99	6.22 ng	324478	Chrysene-d12	13.94	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',5,5'-He...	358	C12H4Cl6	035694-04-3	99
2	1,1'-Biphenyl, 2,2',3,3',4,5-hex...	358	C12H4Cl6	055215-18-4	99
3	1,1'-Biphenyl, 2,2',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	99
4	1,1'-Biphenyl, 2,2',3,4,5,6'-Hex...	358	C12H4Cl6	068194-15-0	99
5	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
Data File : BF111509.D
Acq On : 16 Dec 2018 15:32
Operator : JU/SJ
Sample : J6386-12
Misc :
ALS Vial : 6 Sample Multiplier: 1

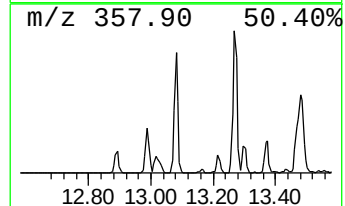
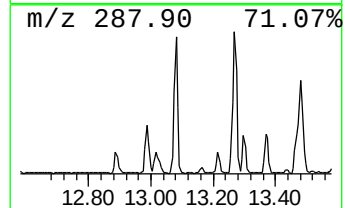
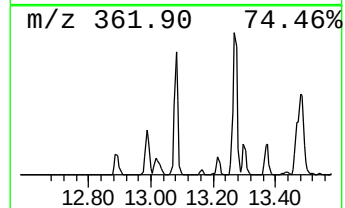
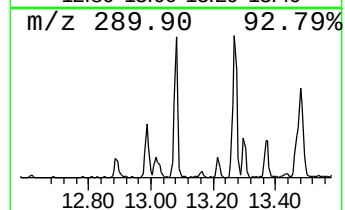
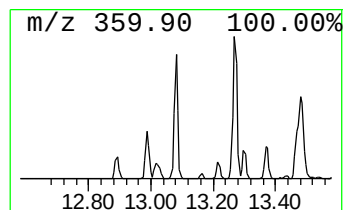
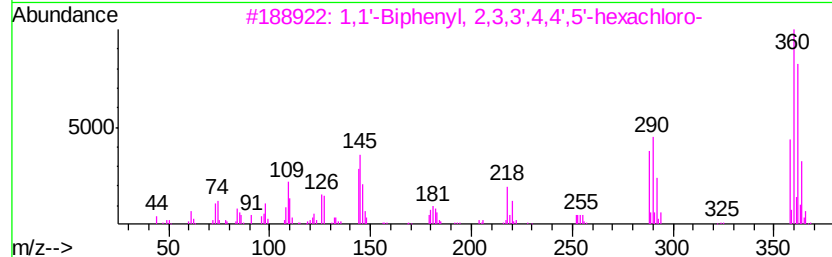
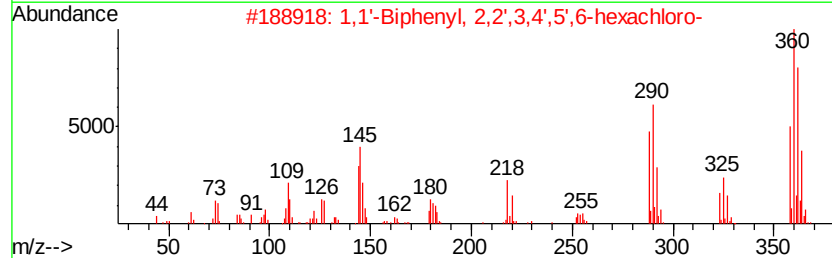
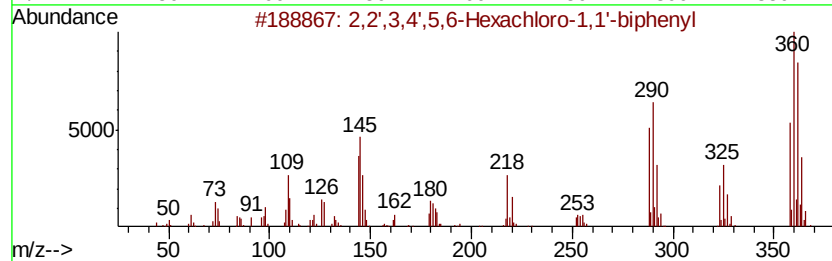
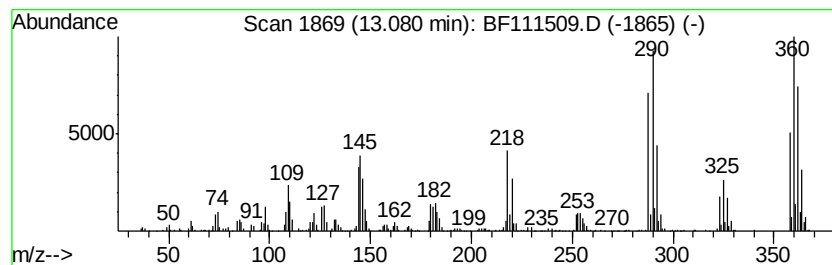
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.08	17.63 ng	920191	Chrysene-d12	13.94		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,4',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	068194-13-8	99	
2	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	99	
3	1,1'-Biphenyl, 2,3,3',4,4',5'-he...	358	C12H4Cl6	069782-90-7	99	
4	1,1'-Biphenyl, 2,3',4,4',5,5'-he...	358	C12H4Cl6	052663-72-6	99	
5	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99	



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
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Acq On : 16 Dec 2018 15:32
Operator : JU/SJ
Sample : J6386-12
Misc :
ALS Vial : 6 Sample Multiplier: 1

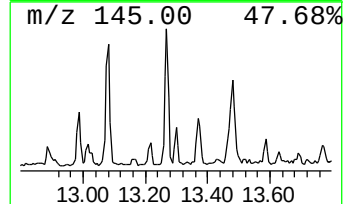
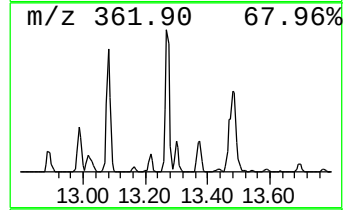
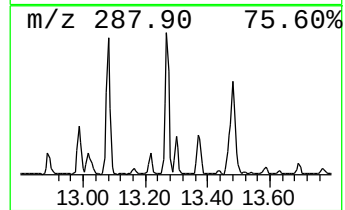
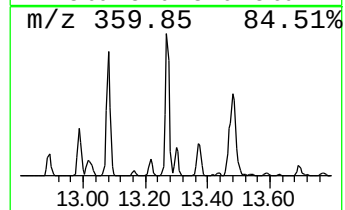
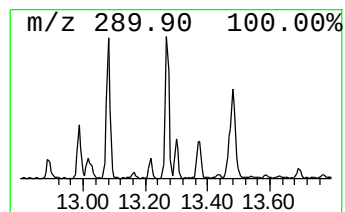
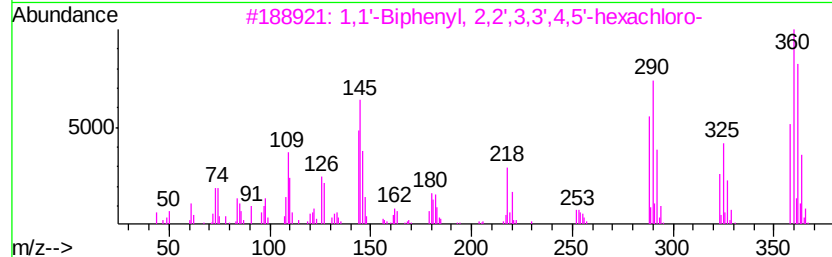
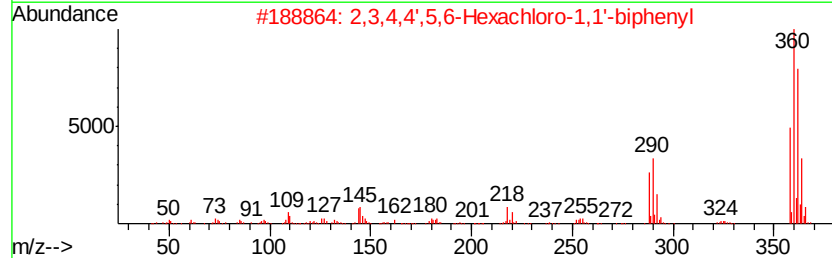
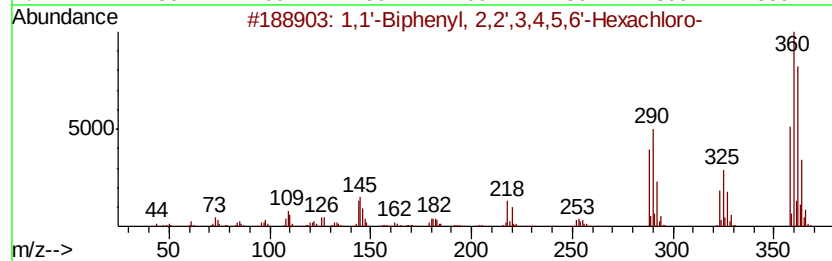
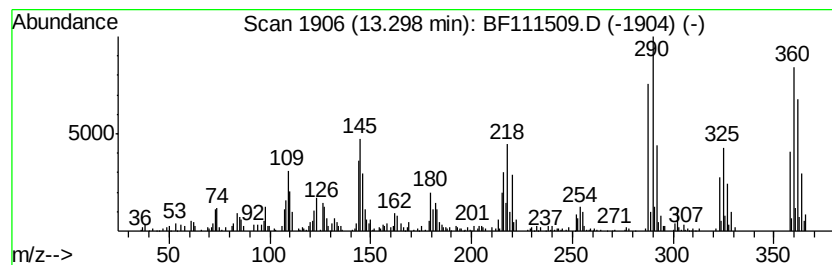
Instrument :
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ClientSampleId :
P001-SS006-1824-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 1,1'-Biphenyl, 2,2',3,4,5,6... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.30	5.04 ng	263155	Chrysene-d12	13.94		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'	-Biphenyl, 2,2',3,4,5,6'-Hex...	358	C12H4Cl6	068194-15-0	99
2	2,3,4,4',5,6	-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-63-6	99
3	1,1'-Biphenyl,	2,2',3,3',4,5'-he...	358	C12H4Cl6	052663-66-8	99
4	2,3,3',4,5',6	-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-43-8	99
5	2,2',3,4,6,6'	-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-40-5	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
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Acq On : 16 Dec 2018 15:32
Operator : JU/SJ
Sample : J6386-12
Misc :
ALS Vial : 6 Sample Multiplier: 1

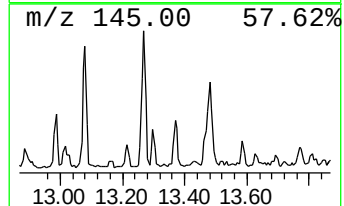
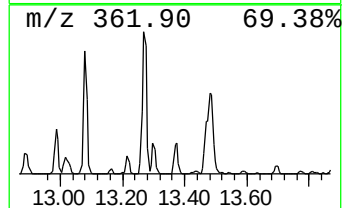
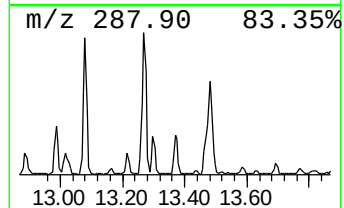
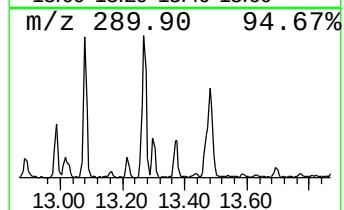
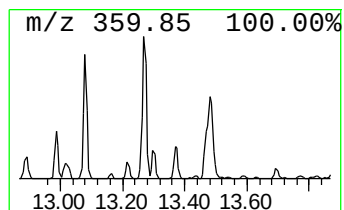
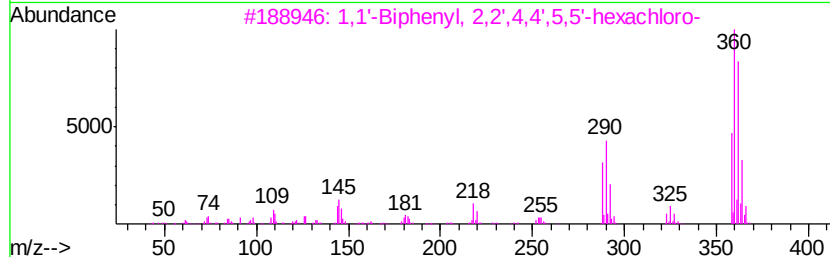
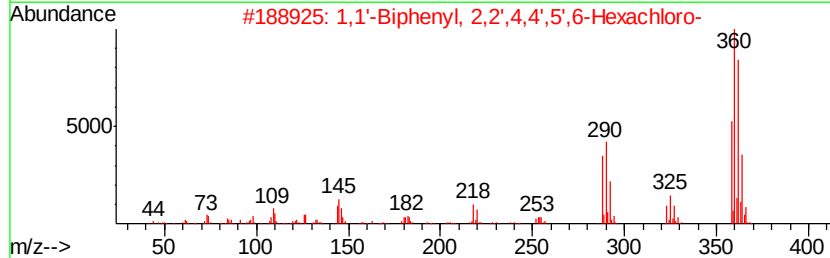
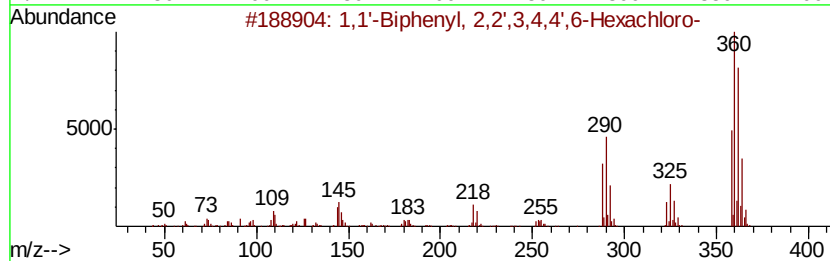
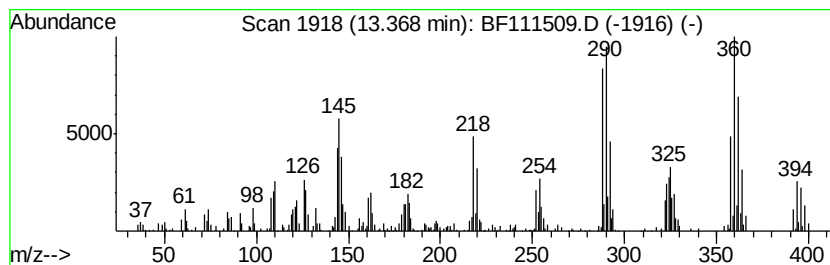
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.37	10.43 ng	544274	Chrysene-d12	13.94		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'	-Biphenyl, 2,2',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	97
2	1,1'	-Biphenyl, 2,2',4,4',5',6-He...	358	C12H4Cl6	060145-22-4	97
3	1,1'	-Biphenyl, 2,2',4,4',5,5'-he...	358	C12H4Cl6	035065-27-1	97
4	2,3,3',4,5',6-Hexachloro-1,1'-bi...		358	C12H4Cl6	074472-43-8	97
5	1,1'	-Biphenyl, 2,2',3,4,4',5',6-he...	358	C12H4Cl6	038380-04-0	97



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
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Acq On : 16 Dec 2018 15:32
Operator : JU/SJ
Sample : J6386-12
Misc :
ALS Vial : 6 Sample Multiplier: 1

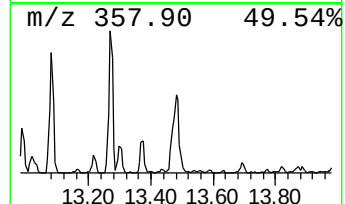
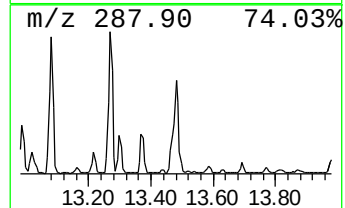
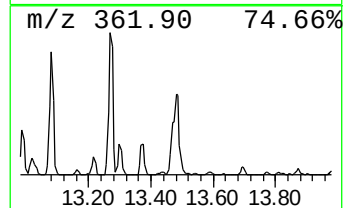
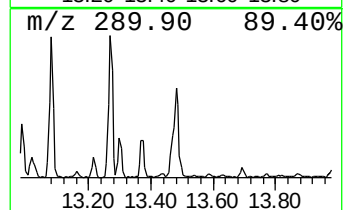
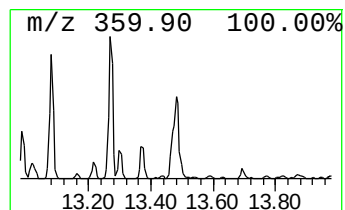
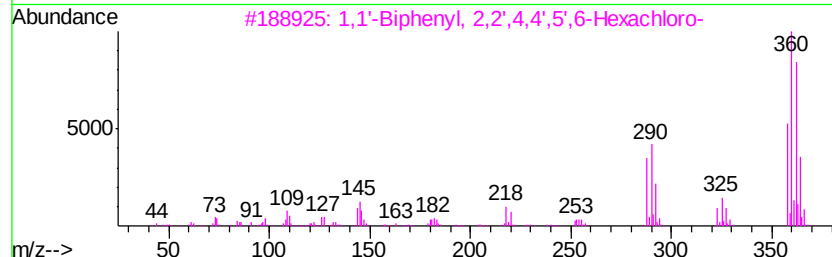
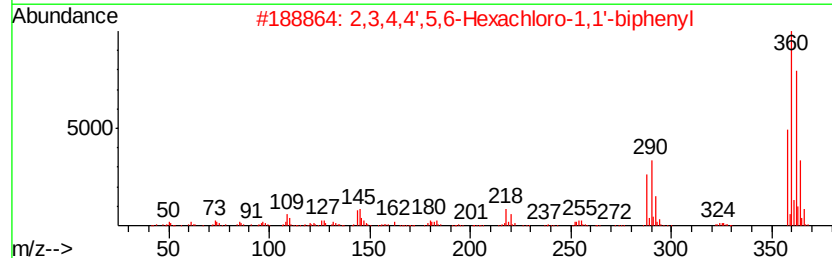
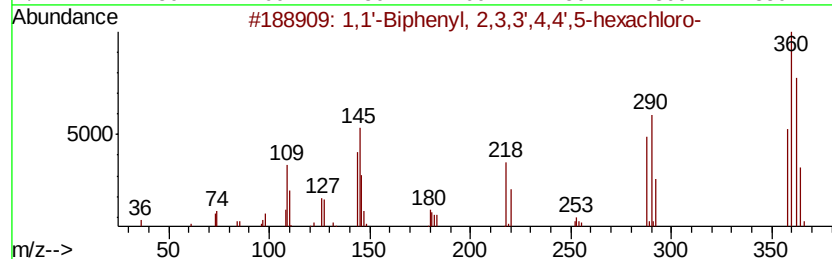
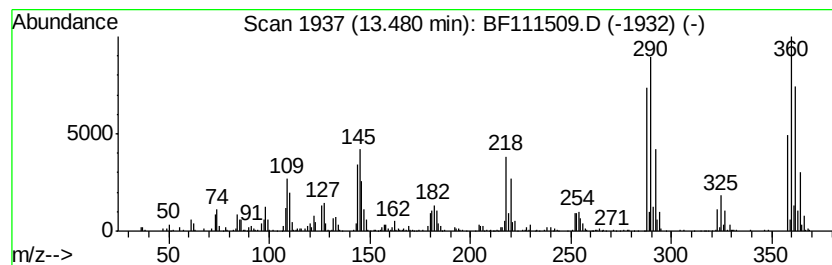
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 1,1'-Biphenyl, 2,3,3',4,4',... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.48	16.75 ng	874235	Chrysene-d12	13.94		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'	-Biphenyl, 2,3,3',4,4',5-hex...	358	C12H4Cl6	038380-08-4	99
2	2,3,4,4',5,6-Hexachloro-1,1'-bip...		358	C12H4Cl6	041411-63-6	99
3	1,1'-Biphenyl, 2,2',4,4',5',6-He...		358	C12H4Cl6	060145-22-4	99
4	2,2',3,4,6,6'-Hexachloro-1,1'-bi...		358	C12H4Cl6	074472-40-5	99
5	2,2',3,5,6,6'-Hexachloro-1,1'-bi...		358	C12H4Cl6	068194-09-2	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
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Misc :
ALS Vial : 6 Sample Multiplier: 1

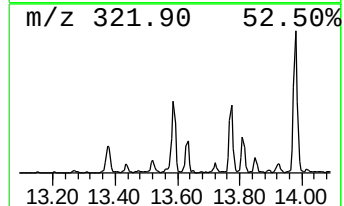
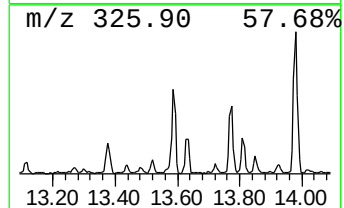
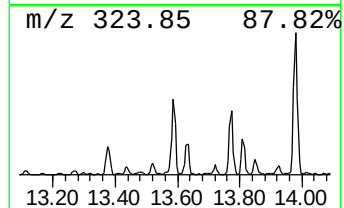
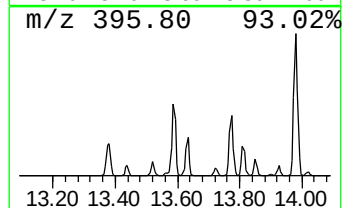
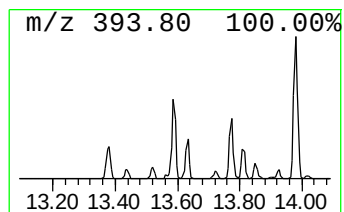
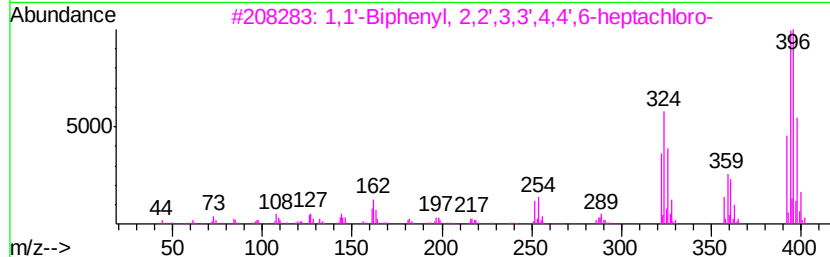
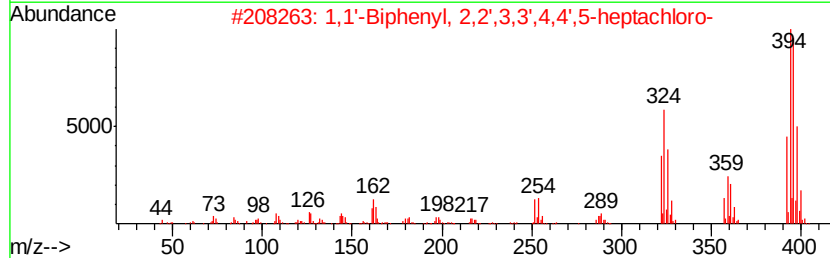
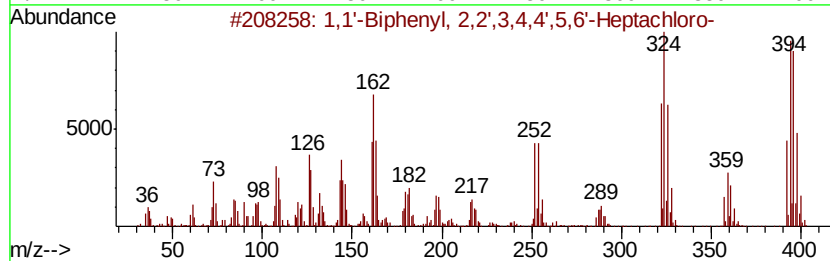
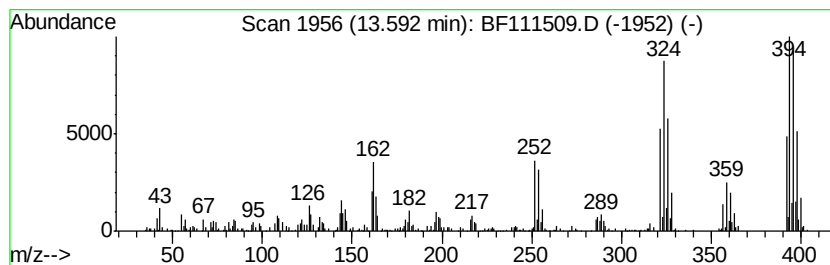
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 1,1'-Biphenyl, 2,2',3,4,4',... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.59	11.25 ng	587180	Chrysene-d12	13.94	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,4',5,6'-...	392	C12H3Cl7	060145-23-5	99
2	1,1'-Biphenyl, 2,2',3,3',4,4',5-...	392	C12H3Cl7	035065-30-6	99
3	1,1'-Biphenyl, 2,2',3,3',4,4',6-...	392	C12H3Cl7	052663-71-5	99
4	2,3,3',4,4',5',6-Heptachloro-1,1...	392	C12H3Cl7	074472-50-7	99
5	1,1'-Biphenyl, 2,3,3',4',5,5',6-...	392	C12H3Cl7	069782-91-8	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
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Acq On : 16 Dec 2018 15:32
Operator : JU/SJ
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Misc :
ALS Vial : 6 Sample Multiplier: 1

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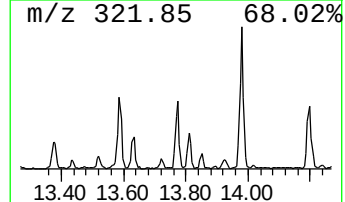
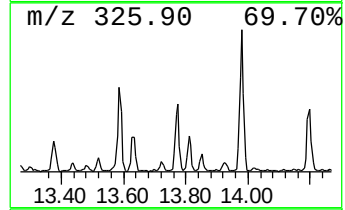
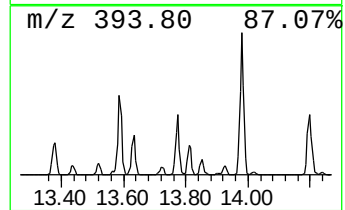
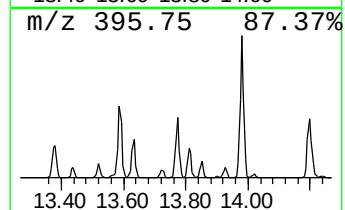
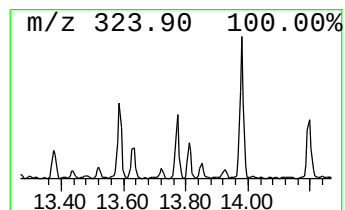
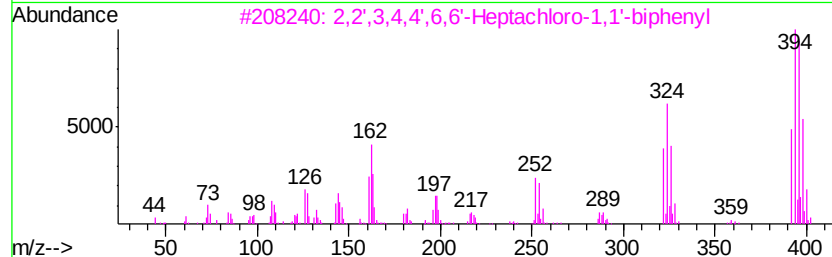
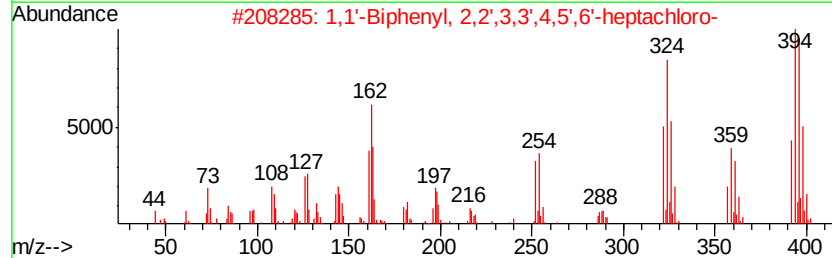
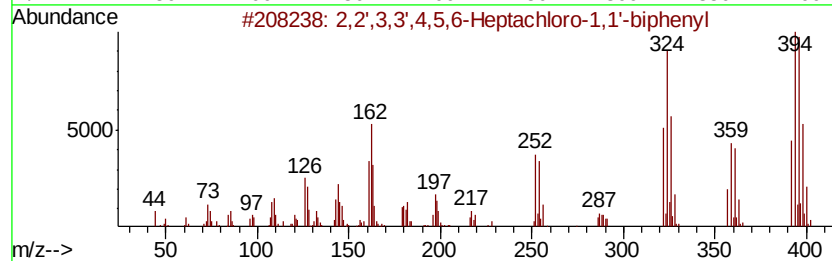
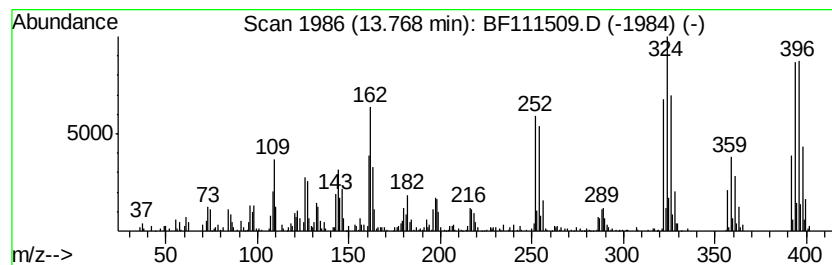
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 2,2',3,3',4,5,6-Heptachloro... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	9.23 ng	481579	Chrysene-d12	13.94

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2',3,3',4,5,6-Heptachloro-1,1'...	392	C12H3Cl7	068194-16-1	99		
2	1,1'-Biphenyl, 2,2',3,3',4,5',6'...	392	C12H3Cl7	052663-70-4	99		
3	2,2',3,4,4',6,6'-Heptachloro-1,1'...	392	C12H3Cl7	074472-48-3	99		
4	1,1'-Biphenyl, 2,3,3',4,4',5,5'-...	392	C12H3Cl7	039635-31-9	99		
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Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
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Acq On : 16 Dec 2018 15:32
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Sample : J6386-12
Misc :
ALS Vial : 6 Sample Multiplier: 1

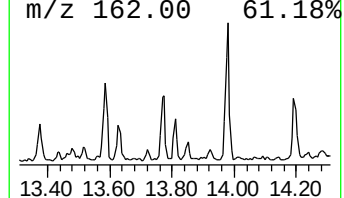
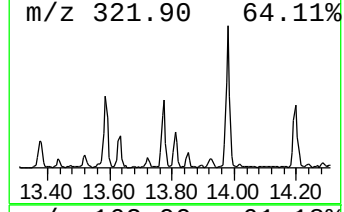
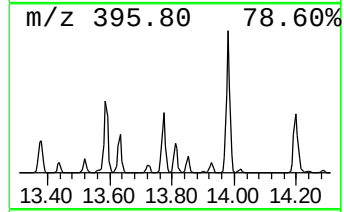
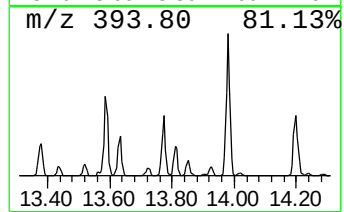
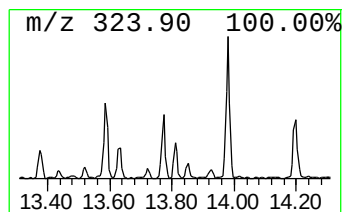
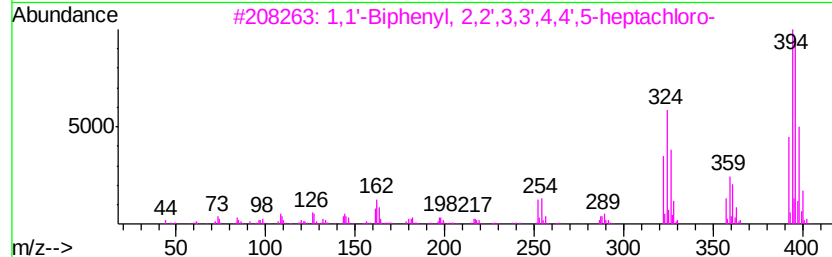
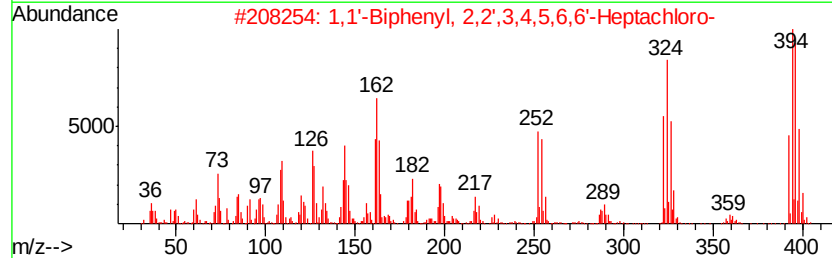
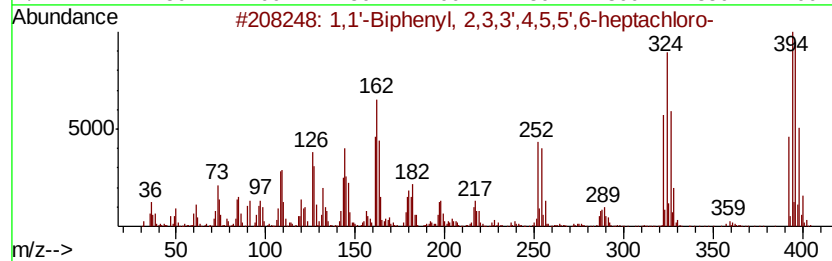
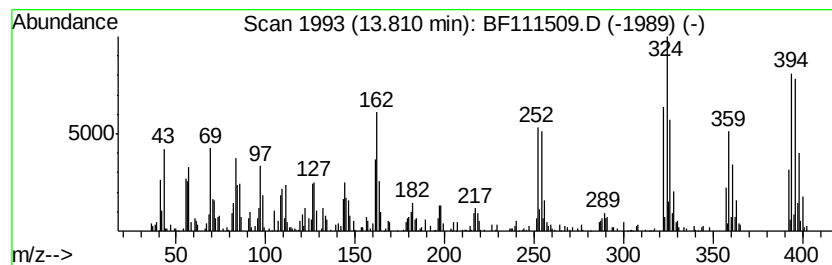
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BNA_F
ClientSampleId :
P001-SS006-1824-01

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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 15 1,1'-Biphenyl, 2,3,3',4,5,5... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.81	10.50 ng	547980	Chrysene-d12	13.94	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,5,5',6-h...	392	C12H3Cl7	074472-51-8	99
2	1,1'-Biphenyl, 2,2',3,4,5,6,6'-H...	392	C12H3Cl7	074472-49-4	99
3	1,1'-Biphenyl, 2,2',3,3',4,4',5-...	392	C12H3Cl7	035065-30-6	99
4	1,1'-Biphenyl, 2,3,3',4,4',5,6-H...	392	C12H3Cl7	041411-64-7	99
5	2,2',3,3',4,5,6-Heptachloro-1,1'...	392	C12H3Cl7	068194-16-1	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
Data File : BF111509.D
Acq On : 16 Dec 2018 15:32
Operator : JU/SJ
Sample : J6386-12
Misc :
ALS Vial : 6 Sample Multiplier: 1

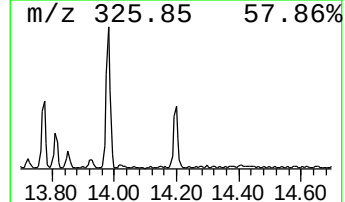
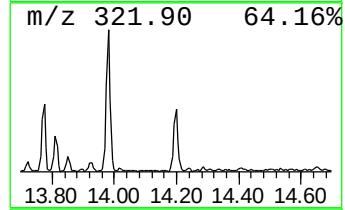
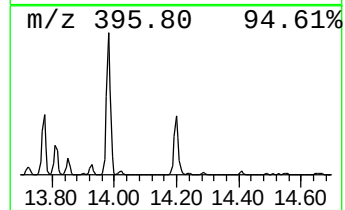
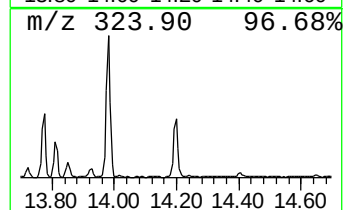
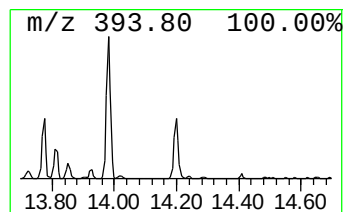
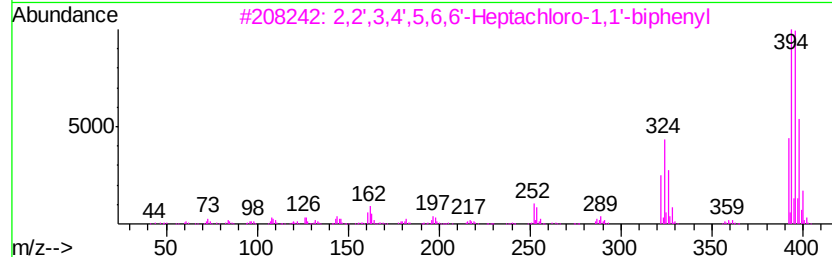
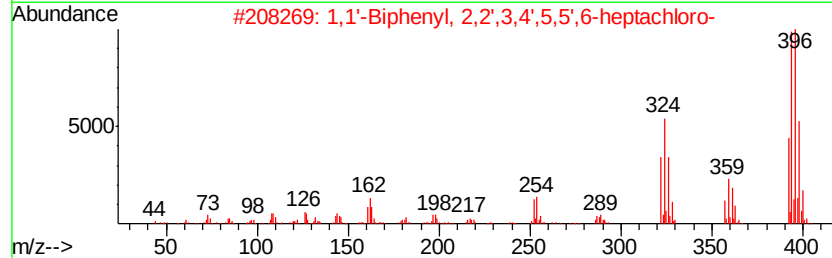
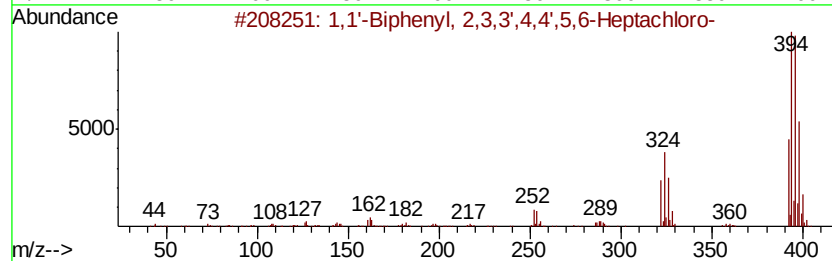
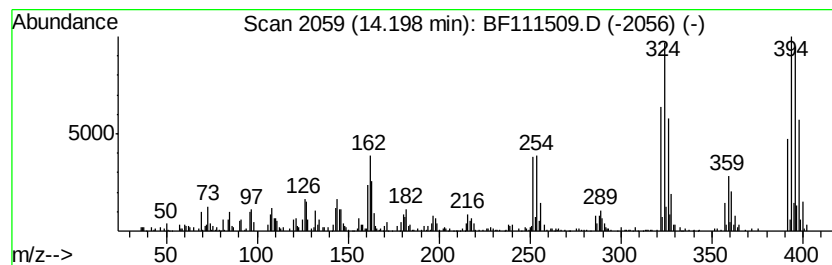
Instrument :
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ClientSampleId :
P001-SS006-1824-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 1,1'-Biphenyl, 2,3,3',4,4',... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.20	10.27 ng	535856	Chrysene-d12	13.94	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',4,4',5,6-H...	392	C12H3Cl7	041411-64-7	99
2	1,1'-Biphenyl, 2,2',3,4',5,5',6-...	392	C12H3Cl7	052663-68-0	99
3	2,2',3,4',5,6,6'-Heptachloro-1,1...	392	C12H3Cl7	074487-85-7	99
4	1,1'-Biphenyl, 2,3,3',4,4',5,5'-...	392	C12H3Cl7	039635-31-9	99
5	1,1'-Biphenyl, 2,2',3,3',4,4',5-...	392	C12H3Cl7	035065-30-6	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
Data File : BF111509.D
Acq On : 16 Dec 2018 15:32
Operator : JU/SJ
Sample : J6386-12
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
P001-SS006-1824-01

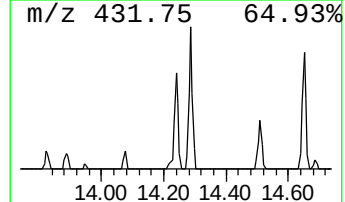
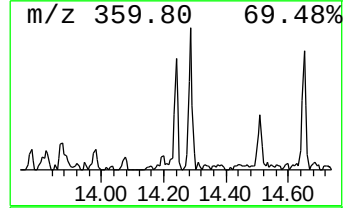
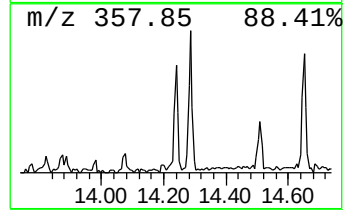
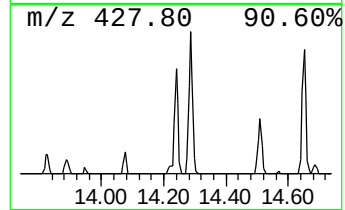
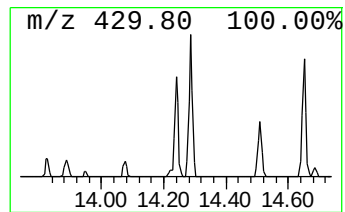
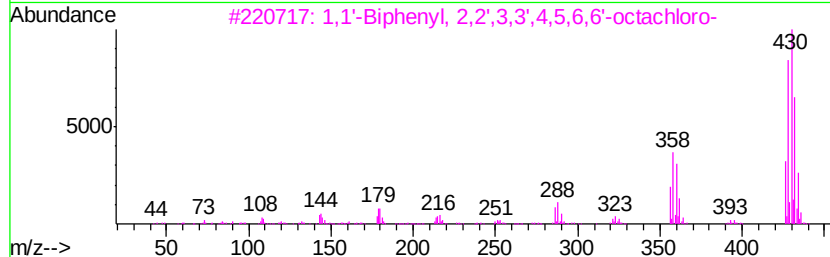
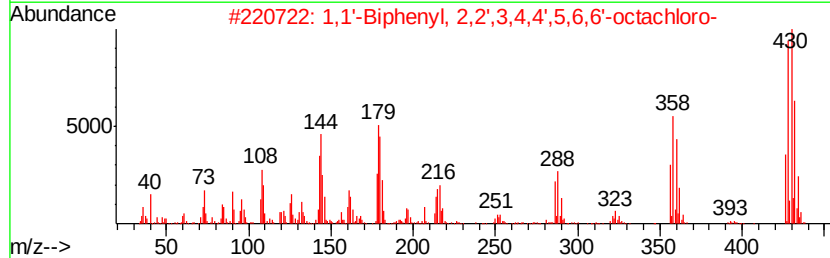
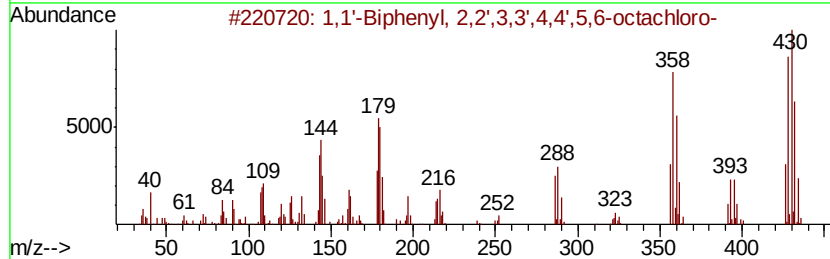
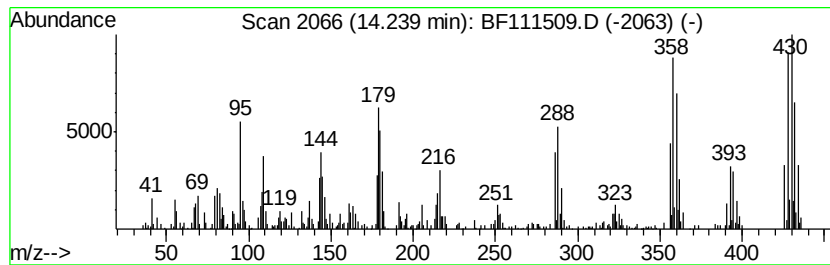
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.24	4.96 ng	258638	Chrysene-d12	13.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',3,3',4,4',5,...	426	C12H2Cl8	052663-78-2	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',4,5,6,6...	426	C12H2Cl8	052663-73-7	99
4		1,1'-Biphenyl, 2,2',3,3',4,4',5,...	426	C12H2Cl8	042740-50-1	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\BF121618\
Data File : BF111509.D
Acq On : 16 Dec 2018 15:32
Operator : JU/SJ
Sample : J6386-12
Misc :
ALS Vial : 6 Sample Multiplier: 1

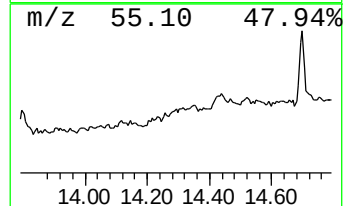
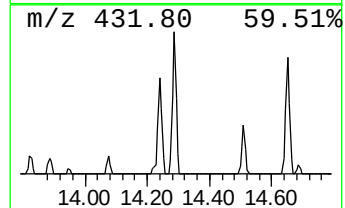
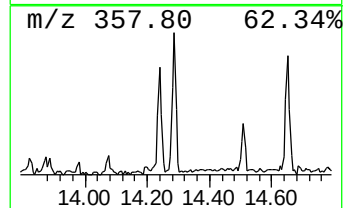
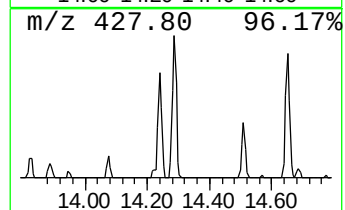
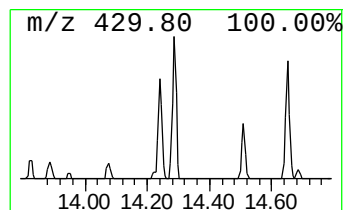
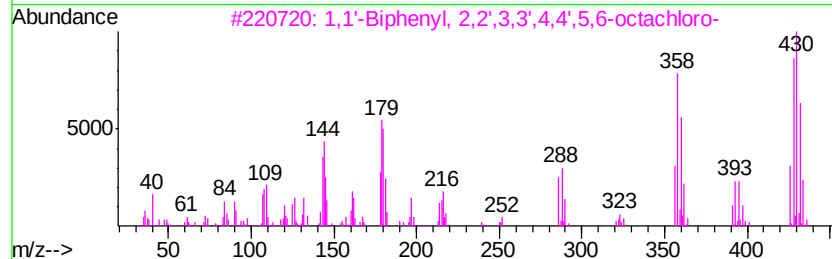
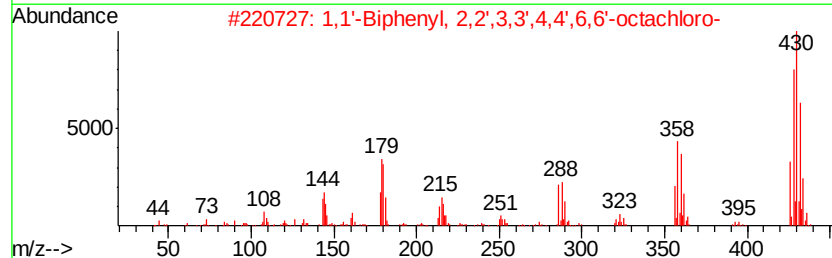
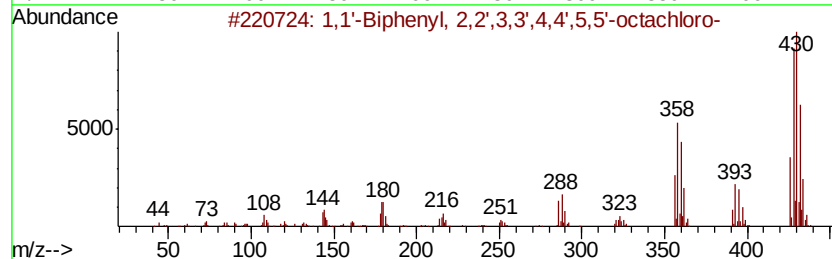
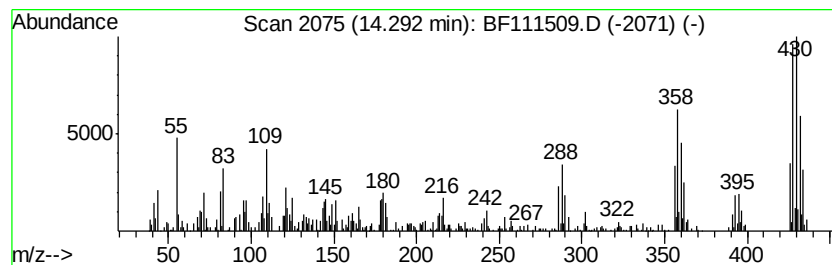
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.29	7.80 ng	406872	Chrysene-d12	13.94	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,4',5,...	426	C12H2Cl8	035694-08-7	99
2	1,1'-Biphenyl, 2,2',3,3',4,4',6,...	426	C12H2Cl8	033091-17-7	99
3	1,1'-Biphenyl, 2,2',3,3',4,4',5,...	426	C12H2Cl8	052663-78-2	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',4,5,6,6...	426	C12H2Cl8	052663-73-7	99



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
Data File : BF111509.D
Acq On : 16 Dec 2018 15:32
Operator : JU/SJ
Sample : J6386-12
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P001-SS006-1824-01

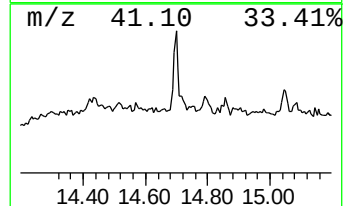
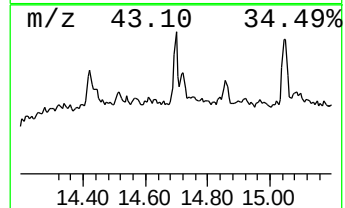
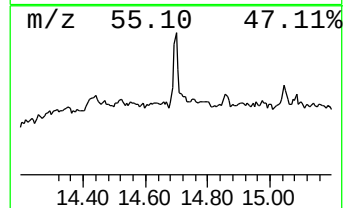
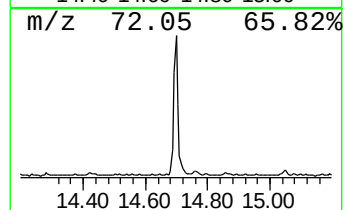
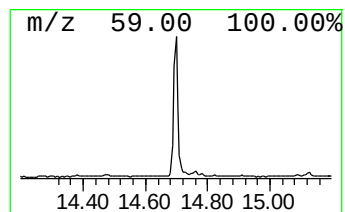
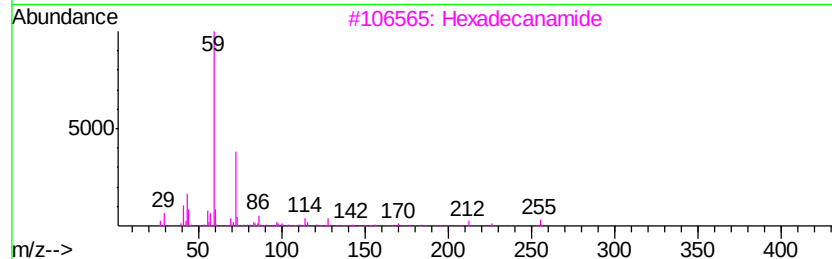
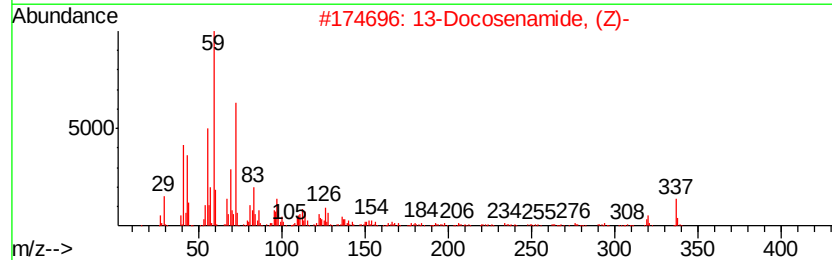
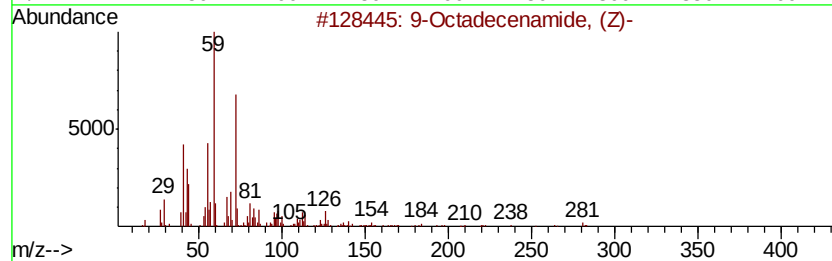
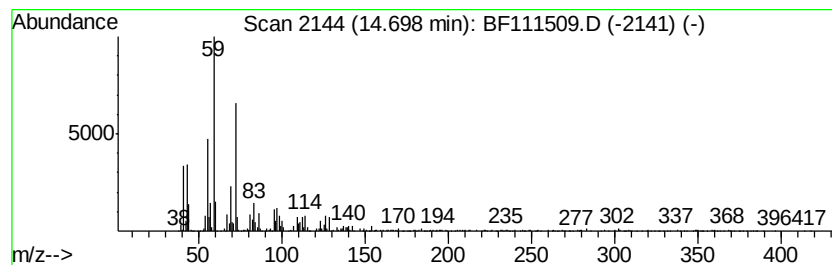
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 9-Octadecenamide, (Z)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	15.35 ng	826212	Perylene-d12	15.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	86
2		13-Docosenamide, (Z)-	337	C22H43NO	000112-84-5	83
3		Hexadecanamide	255	C16H33NO	000629-54-9	72
4		Dodecanamide	199	C12H25NO	001120-16-7	53
5		Octanamide	143	C8H17NO	000629-01-6	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121618\
Data File : BF111509.D
Acq On : 16 Dec 2018 15:32
Operator : JU/SJ
Sample : J6386-12
Misc :
ALS Vial : 6 Sample Multiplier: 1

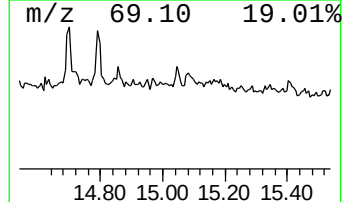
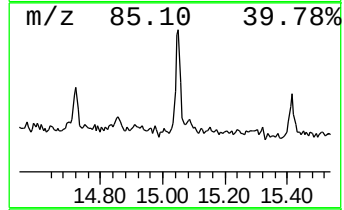
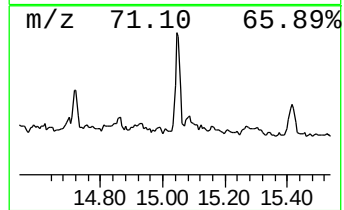
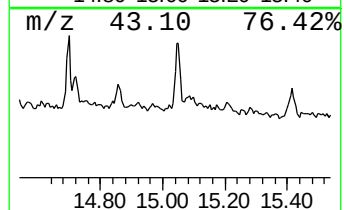
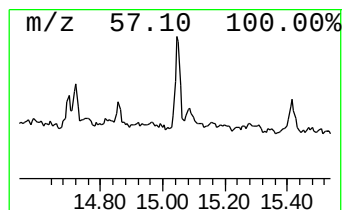
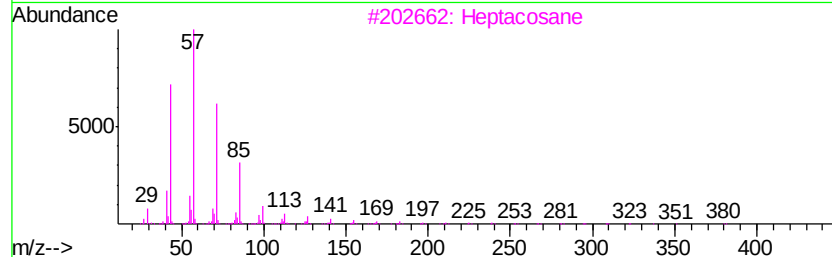
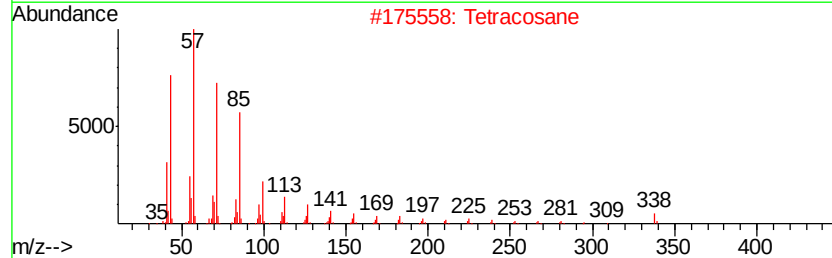
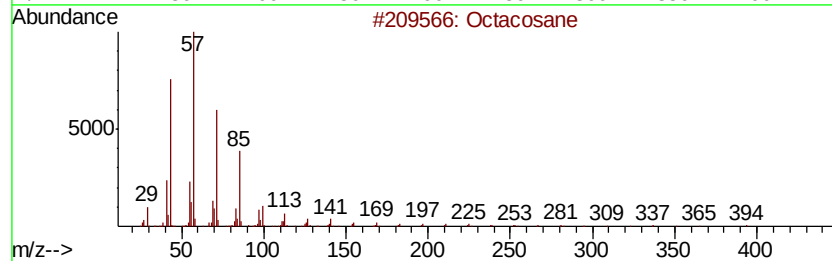
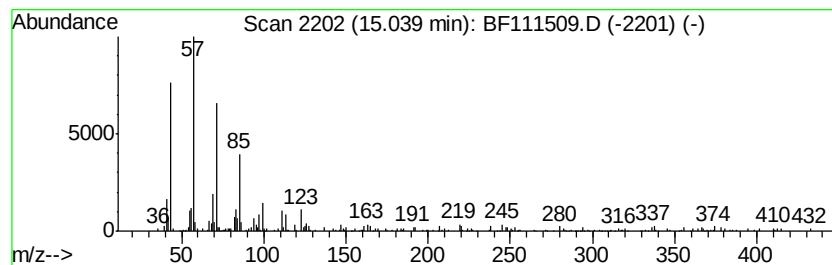
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Octacosane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	6.26 ng	336960	Perylene-d12	15.38
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Octacosane	394 C28H58	000630-02-4	93
2	Tetracosane	338 C24H50	000646-31-1	93
3	Heptacosane	380 C27H56	000593-49-7	93
4	Tridecane, 1-iodo-	310 C13H27I	035599-77-0	91
5	Tricosane, 2-methyl-	338 C24H50	001928-30-9	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121618\
 Data File : BF111509.D
 Acq On : 16 Dec 2018 15:32
 Operator : JU/SJ
 Sample : J6386-12
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.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
unknown6.56	6.56	73.0	ng	5978910	1	6.79	1637730	20.0
n-Hexadecanoic acid	11.89	226.6	ng	17116000	4	11.30	1510600	20.0
Oleic Acid	12.56	30.3	ng	2286590	4	11.30	1510600	20.0
Octadecanoic acid	12.66	281.7	ng	14701900	5	13.94	1043660	20.0
1,1'-Biphenyl, 2,...	12.99	6.2	ng	324478	5	13.94	1043660	20.0
2,2',3,4',5,6-Hex...	13.08	17.6	ng	920191	5	13.94	1043660	20.0
2,2',3,4,6,6'-Hex...	13.27	19.3	ng	1007480	5	13.94	1043660	20.0
1,1'-Biphenyl, 2,...	13.30	5.0	ng	263155	5	13.94	1043660	20.0
1,1'-Biphenyl, 2,...	13.37	10.4	ng	544274	5	13.94	1043660	20.0
1,1'-Biphenyl, 2,...	13.48	16.8	ng	874235	5	13.94	1043660	20.0
1,1'-Biphenyl, 2,...	13.59	11.3	ng	587180	5	13.94	1043660	20.0
2,2',3,3',4,5,6-H...	13.77	9.2	ng	481579	5	13.94	1043660	20.0
1,1'-Biphenyl, 2,...	13.81	10.5	ng	547980	5	13.94	1043660	20.0
1,1'-Biphenyl, 2,...	14.20	10.3	ng	535856	5	13.94	1043660	20.0
1,1'-Biphenyl, 2,...	14.24	5.0	ng	258638	5	13.94	1043660	20.0
1,1'-Biphenyl, 2,...	14.29	7.8	ng	406872	5	13.94	1043660	20.0
9-Octadecenamide,...	14.70	15.4	ng	826212	6	15.38	1076330	20.0
Octacosane	15.04	6.3	ng	336960	6	15.38	1076330	20.0