

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052722\
 Data File : BM035295.D
 Acq On : 27 May 2022 18:49
 Operator : CG/JU
 Sample : N2921-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P013-SS003-0006-01

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_M\Methods\8270-BM052722.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM035295.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.457	396	403	418	rBV	1872383	2732642	26.31%	2.864%
2	7.051	665	674	694	rBV	1730159	2833171	27.28%	2.969%
3	7.875	806	814	822	rBV	482002	750181	7.22%	0.786%
4	9.034	1004	1011	1021	rBV	1107545	1832716	17.65%	1.921%
5	10.675	1282	1290	1301	rBV	581526	989951	9.53%	1.038%
6	13.139	1702	1709	1718	rBV	2988801	4333547	41.72%	4.542%
7	14.510	1933	1942	1949	rBV	882116	1290930	12.43%	1.353%
8	15.998	2188	2195	2203	rBV	2097406	3030024	29.17%	3.176%
9	17.256	2402	2409	2414	rBV	1018981	1410587	13.58%	1.478%
10	18.162	2557	2563	2571	rBV	874187	1204199	11.59%	1.262%
11	19.174	2727	2735	2744	rBV3	514362	775744	7.47%	0.813%
12	19.292	2751	2755	2757	rBV	136381	168653	1.62%	0.177%
13	19.315	2757	2759	2766	rVV3	117918	189567	1.83%	0.199%
14	19.380	2766	2770	2775	rVB2	111961	141667	1.36%	0.148%
15	19.439	2775	2780	2781	rBV	642036	734033	7.07%	0.769%
16	19.456	2781	2783	2790	rVB	888153	1097909	10.57%	1.151%
17	19.698	2817	2824	2833	rBV2	102821	209635	2.02%	0.220%
18	19.798	2837	2841	2845	rVB2	94073	126258	1.22%	0.132%
19	19.880	2849	2855	2865	rVB	5656532	7193391	69.26%	7.539%
20	20.027	2875	2880	2884	rBV	1314697	1555851	14.98%	1.631%
21	20.074	2884	2888	2894	rVB	483026	795352	7.66%	0.834%
22	20.168	2899	2904	2908	rBV	3787505	4353009	41.91%	4.562%
23	20.215	2908	2912	2917	rVB2	205786	272382	2.62%	0.285%
24	20.292	2921	2925	2930	rBV2	153635	202097	1.95%	0.212%
25	20.368	2933	2938	2943	rBV	658464	791251	7.62%	0.829%
26	20.445	2946	2951	2956	rBV	4998912	5911748	56.92%	6.196%
27	20.497	2956	2960	2969	rVB	957506	1259800	12.13%	1.320%
28	20.603	2970	2978	2986	rBV4	1434579	2514741	24.21%	2.636%
29	20.697	2989	2994	2997	rBV3	366480	480225	4.62%	0.503%
30	20.762	2997	3005	3011	rVV	3199932	5905379	56.86%	6.189%
31	20.815	3011	3014	3017	rVV	527494	631236	6.08%	0.662%
32	20.850	3017	3020	3022	rVV3	147873	232015	2.23%	0.243%
33	20.909	3026	3030	3036	rVV	3235941	3826279	36.84%	4.010%
34	20.974	3036	3041	3047	rVV	1137811	1346046	12.96%	1.411%
35	21.062	3053	3056	3060	rBV	368641	454747	4.38%	0.477%
36	21.103	3060	3063	3066	rBV	276836	312969	3.01%	0.328%

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Integrator: RTE

Smoothing : ON

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Min Area: 3 % of largest Peak

Start Thrs: 0.2

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Stop Thrs : 0

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

37	21.180	3067	3076	3081	rVB3	2627864	3874593	37.31%	4.061%
38	21.233	3081	3085	3091	rBV2	1586994	1952036	18.79%	2.046%
39	21.292	3091	3095	3097	rBV	556778	728458	7.01%	0.763%
40	21.356	3102	3106	3109	rVV	560901	722165	6.95%	0.757%
41	21.386	3109	3111	3115	rVV	391486	435639	4.19%	0.457%
42	21.433	3115	3119	3121	rVV	1405973	1785560	17.19%	1.871%
43	21.468	3121	3125	3131	rVB2	8478500	10386254	100.00%	10.886%
44	21.609	3145	3149	3153	rVB3	180423	254194	2.45%	0.266%
45	21.786	3174	3179	3184	rBV	2409175	3402240	32.76%	3.566%
46	21.850	3186	3190	3196	rVB	1215457	1596171	15.37%	1.673%
47	21.921	3197	3202	3207	rBV	1187840	1566871	15.09%	1.642%
48	22.068	3222	3227	3232	rBV3	213269	436668	4.20%	0.458%
49	22.280	3259	3263	3268	rBV2	458723	644011	6.20%	0.675%
50	22.515	3298	3303	3311	rBV2	1113447	1622009	15.62%	1.700%
51	23.086	3397	3400	3406	rVB	326015	463500	4.46%	0.486%
52	23.797	3516	3521	3530	rVB2	970785	1955479	18.83%	2.049%
53	24.415	3622	3626	3634	rVB	328234	656285	6.32%	0.688%
54	24.515	3638	3643	3655	rVB	395166	1040489	10.02%	1.091%

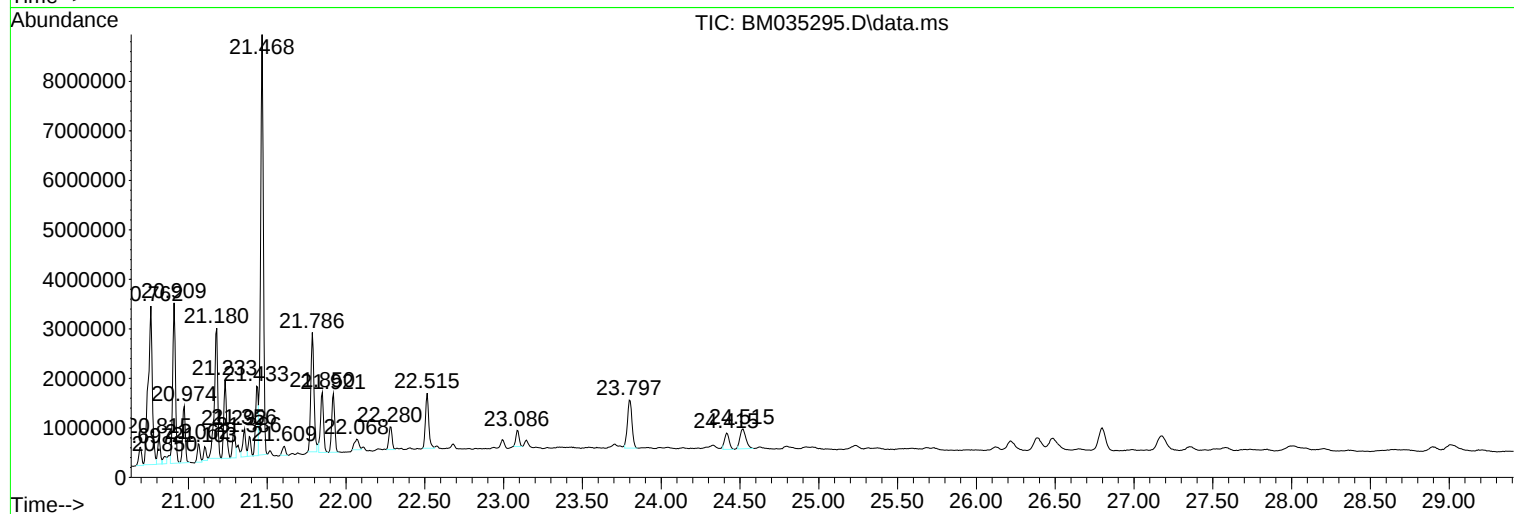
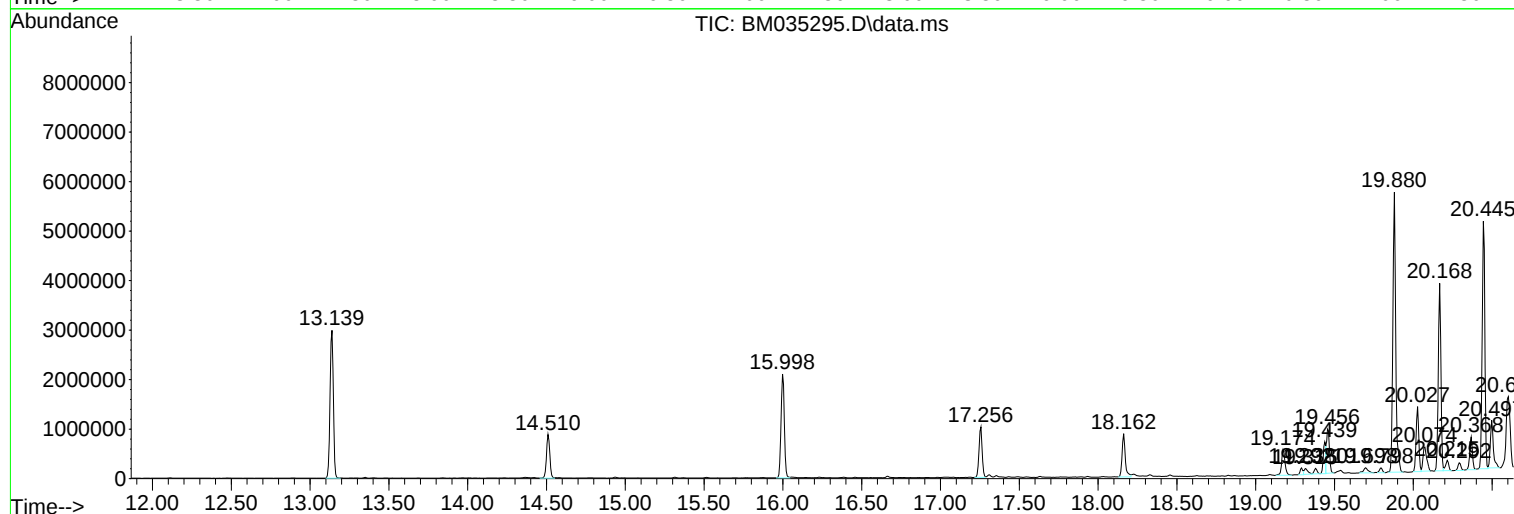
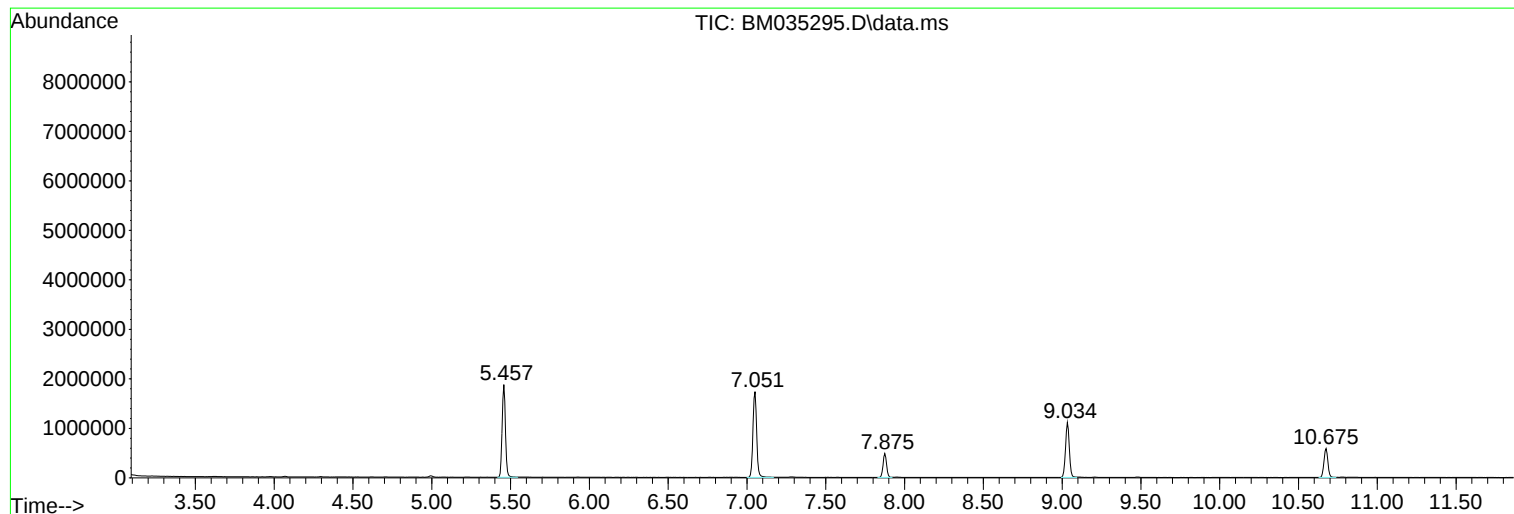
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM052722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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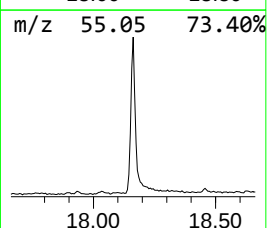
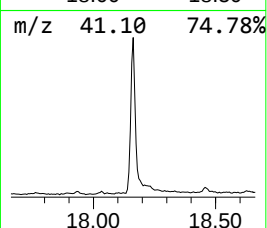
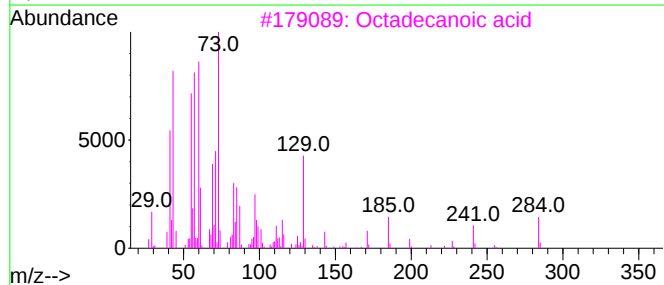
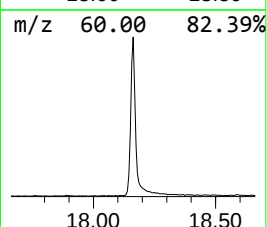
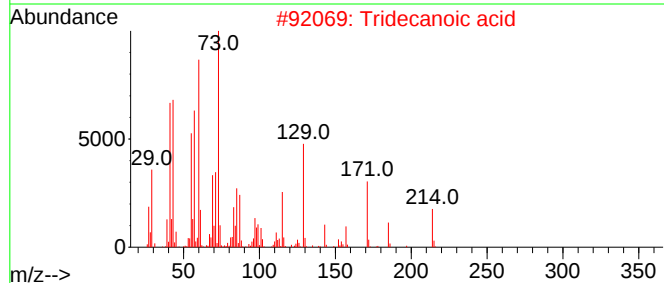
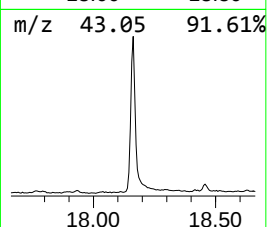
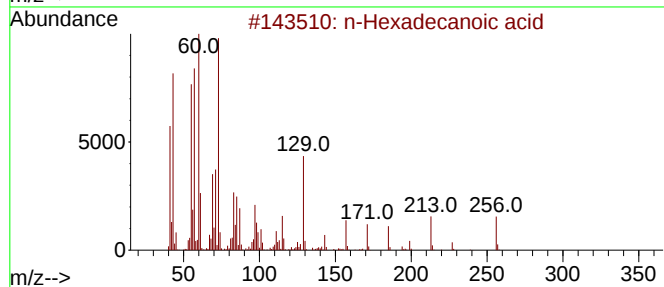
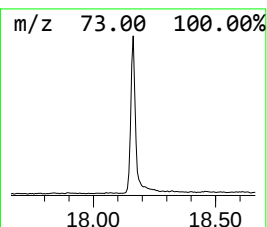
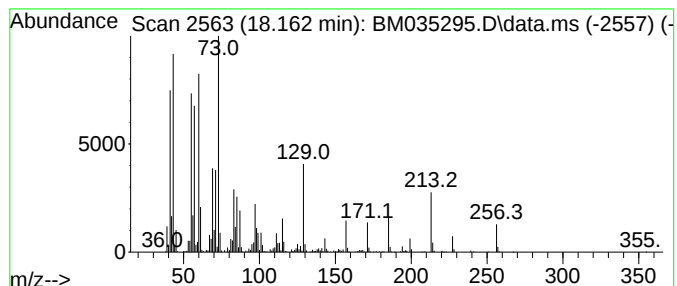
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM052722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 n-Hexadecanoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.162	17.07 ng	1204200	Phenanthrene-d10	17.256

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			Octadecanoic acid	284	C18H36O2	000057-11-4	91
4			Pentadecanoic acid	242	C15H30O2	001002-84-2	91
5			Tetradecanoic acid	228	C14H28O2	000544-63-8	86



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Misc :
ALS Vial : 14 Sample Multiplier: 1

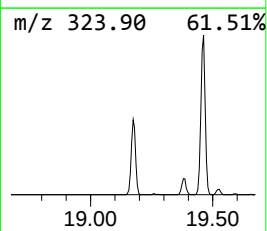
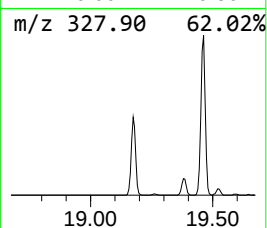
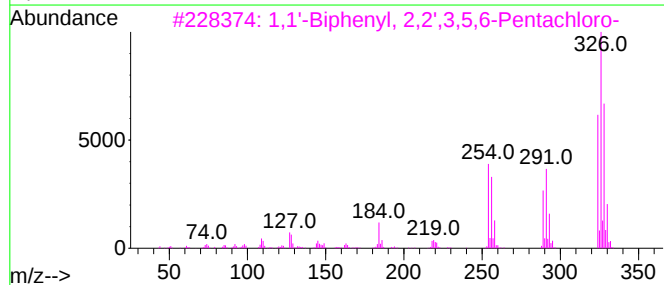
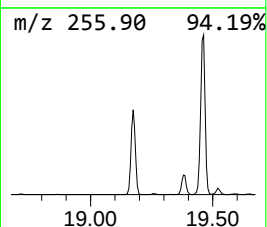
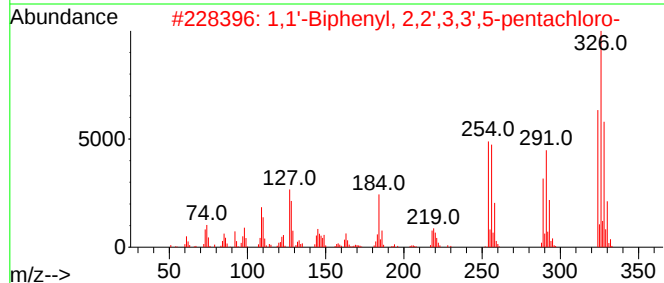
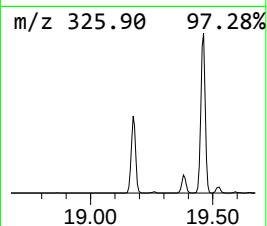
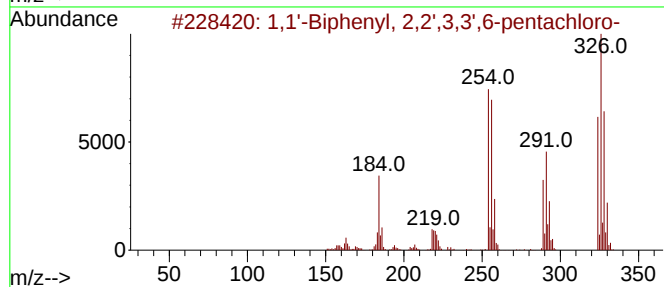
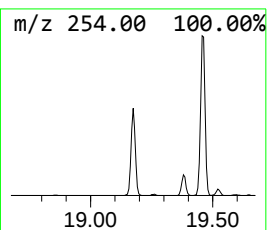
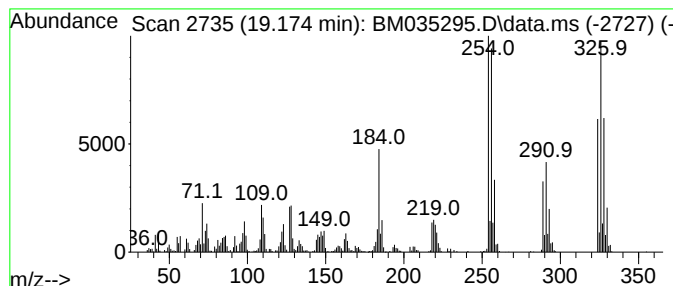
Instrument :
BNA_M
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM052722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.174	11.00 ng	775744	Phenanthrene-d10	17.256	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',6-penta...	324	C12H5Cl5	052663-60-2	99
2	1,1'-Biphenyl, 2,2',3,3',5-penta...	324	C12H5Cl5	060145-20-2	99
3	1,1'-Biphenyl, 2,2',3,5,6-Pentac...	324	C12H5Cl5	073575-56-1	99
4	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
5	2,2',3,4',6-Pentachloro-1,1'-bip...	324	C12H5Cl5	068194-05-8	99



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ALS Vial : 14 Sample Multiplier: 1

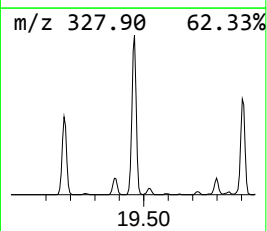
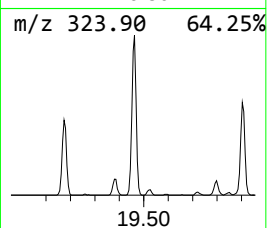
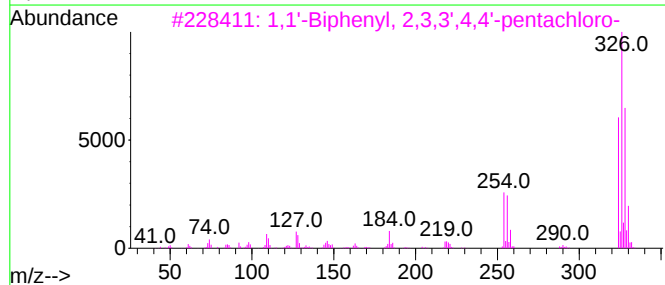
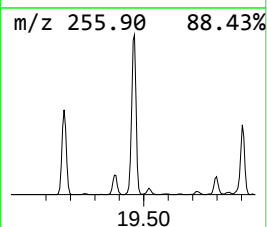
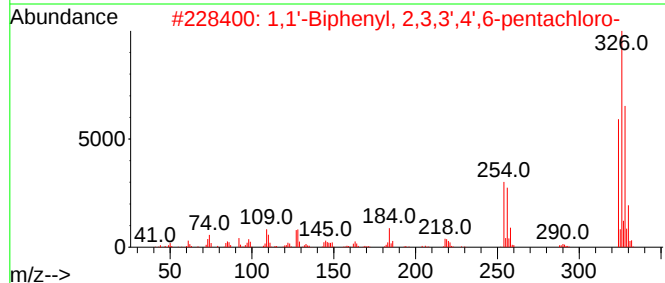
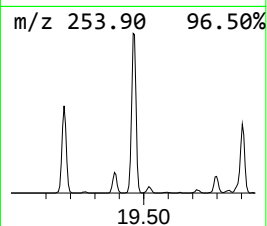
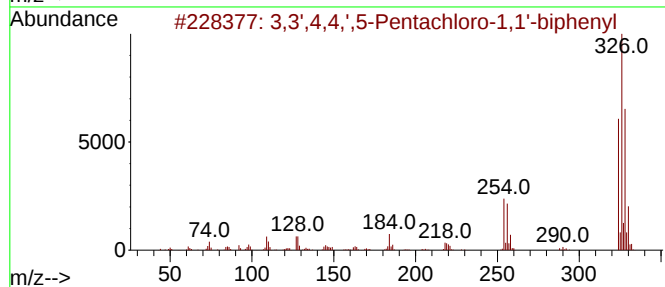
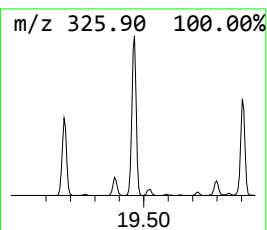
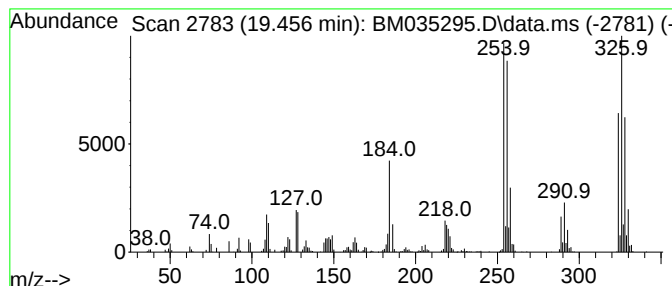
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.456	12.30 ng	1097910	Chrysene-d12	21.433	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,3',4,4',5-Pentachloro-1,1'-bi...	324	C12H5Cl5	057465-28-8	99
2	1,1'-Biphenyl, 2,3,3',4',6-penta...	324	C12H5Cl5	038380-03-9	99
3	1,1'-Biphenyl, 2,3,3',4,4'-penta...	324	C12H5Cl5	032598-14-4	99
4	2,3,3',4,5'-Pentachloro-1,1'-bip...	324	C12H5Cl5	070362-41-3	99
5	1,1'-Biphenyl, 2,2',4,6,6'-Penta...	324	C12H5Cl5	056558-16-8	99



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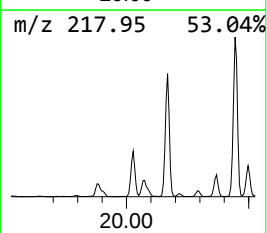
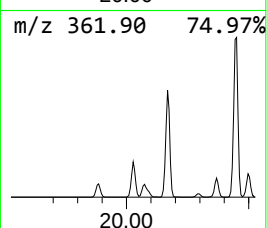
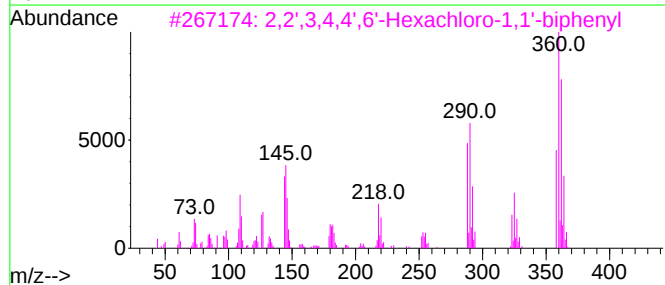
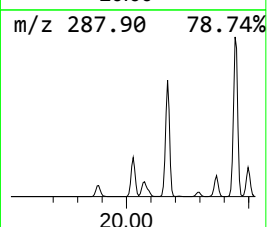
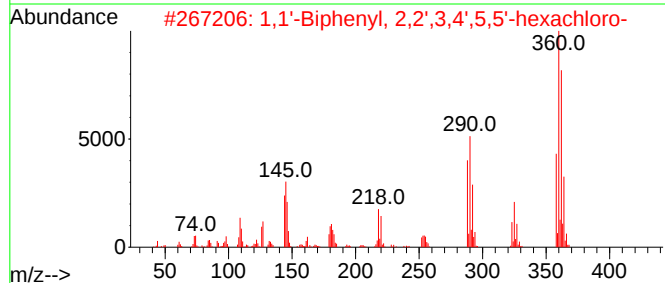
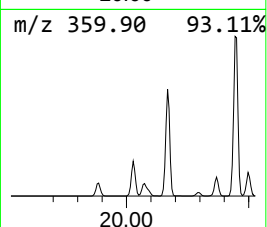
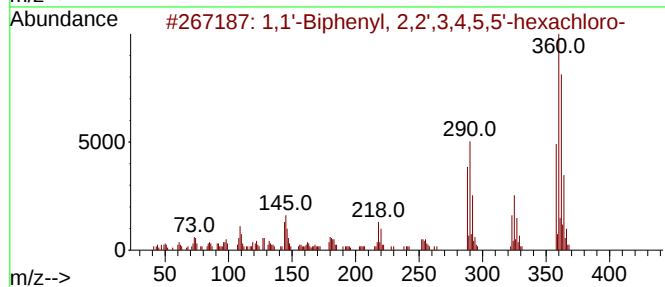
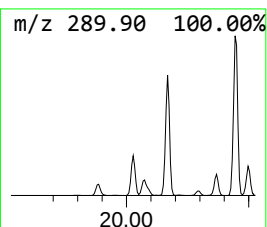
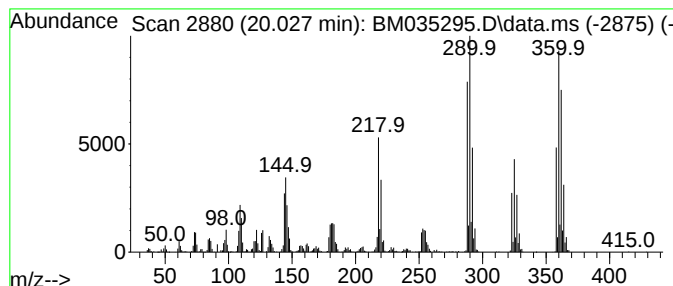
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TIC Library : C:\Database\NIST20.L
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Peak Number 4 1,1'-Biphenyl, 2,2',3,4,5,5... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
20.027	17.43 ng	1555850	Chrysene-d12	21.433	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99
2	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	99
3	2,2',3,4,4',6'-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-64-4	99
4	2,2',3,4',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	068194-13-8	99
5	1,1'-Biphenyl, 2,2',3,4,4',6-Hex...	358	C12H4Cl6	056030-56-9	99



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ClientSampleId :
P013-SS003-0006-01

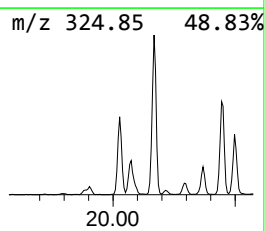
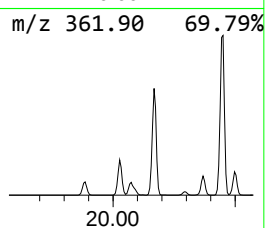
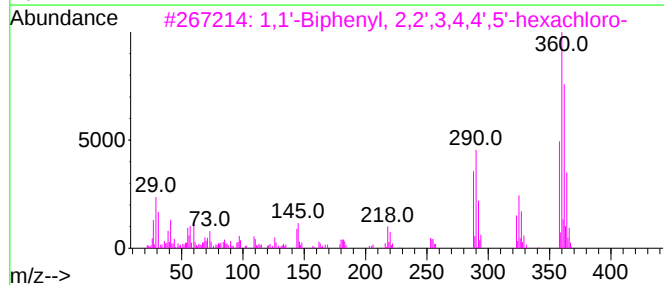
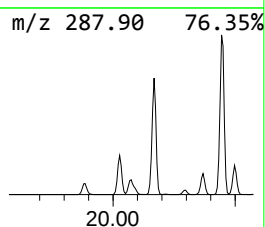
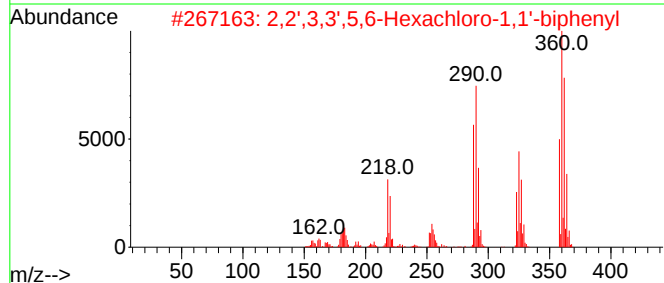
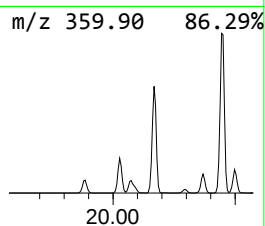
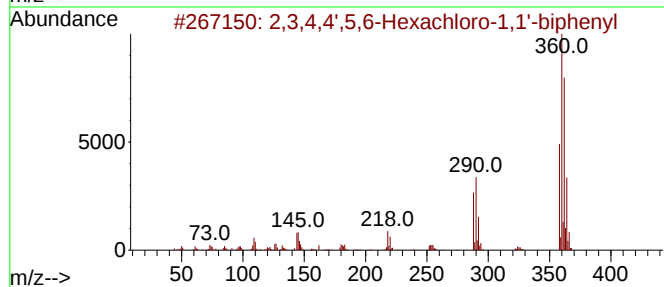
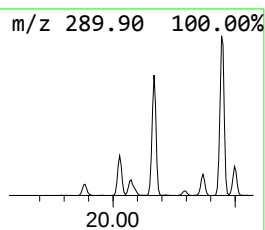
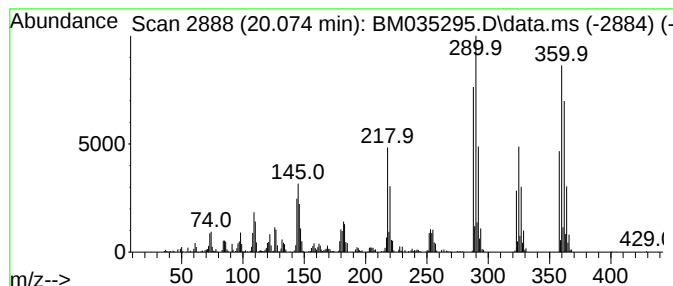
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.074	8.91 ng	795352	Chrysene-d12	21.433

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,4,4',5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-63-6	99		
2	2,2',3,3',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	052704-70-8	99		
3	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	99		
4	2,2',3,4,5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-61-4	99		
5	1,1'-Biphenyl, 2,2',3,5,5',6-hex...	358	C12H4Cl6	052663-63-5	99		



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052722\
Data File : BM035295.D
Acq On : 27 May 2022 18:49
Operator : CG/JU
Sample : N2921-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P013-SS003-0006-01

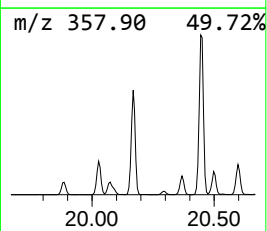
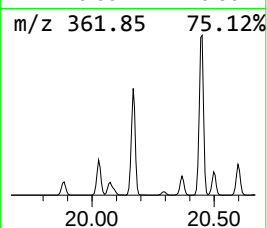
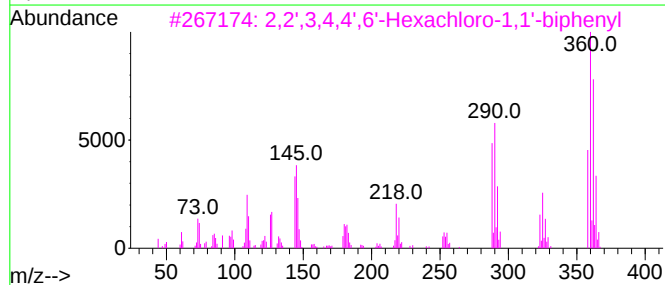
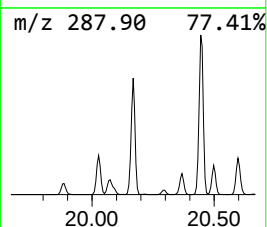
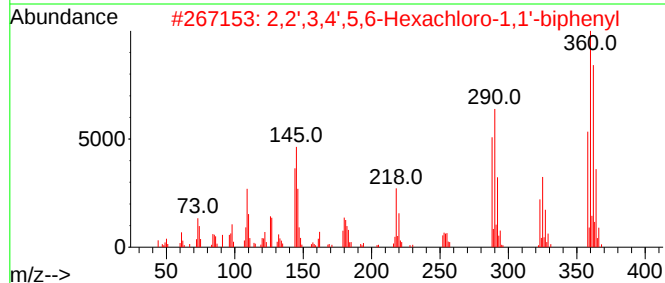
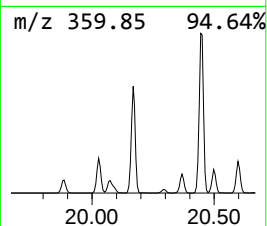
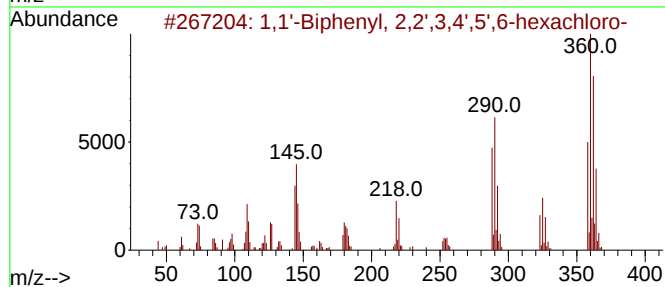
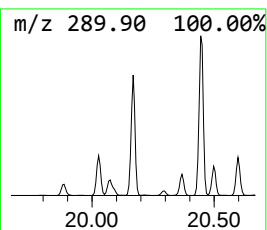
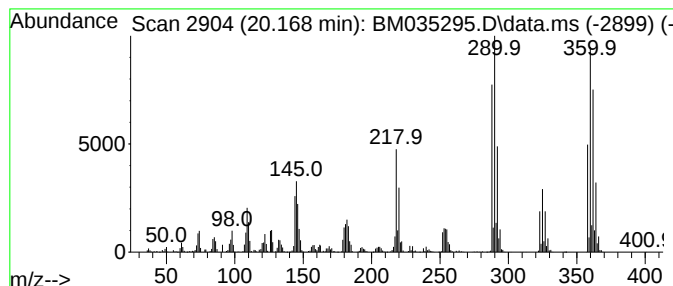
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.168	48.76 ng	4353010	Chrysene-d12	21.433

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	99		
2	2,2',3,4',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	068194-13-8	99		
3	2,2',3,4,4',6'-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-64-4	99		
4	1,1'-Biphenyl, 2,2',3,4,4',5'-he...	358	C12H4Cl6	035065-28-2	99		
5	2,3,4,4',5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-63-6	99		



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052722\
Data File : BM035295.D
Acq On : 27 May 2022 18:49
Operator : CG/JU
Sample : N2921-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

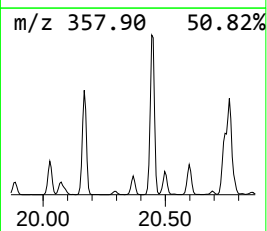
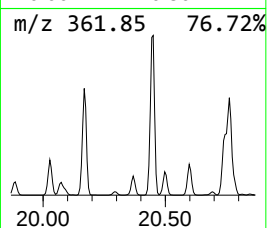
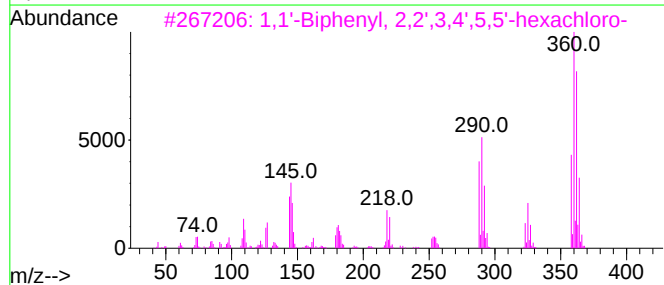
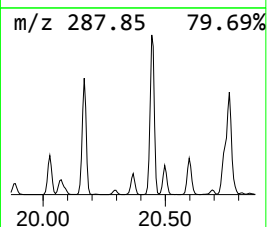
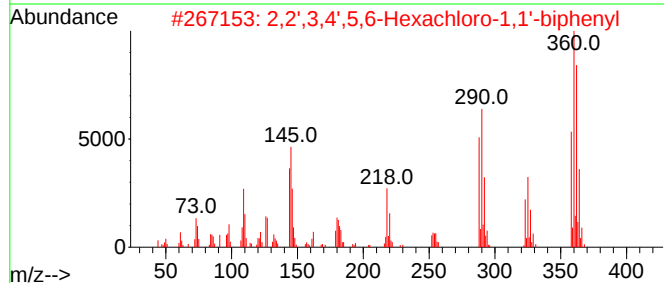
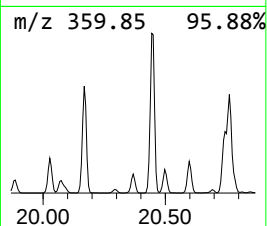
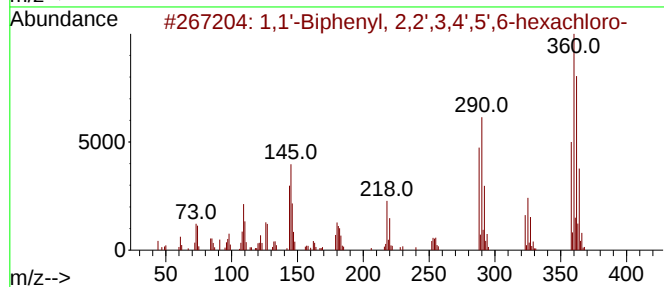
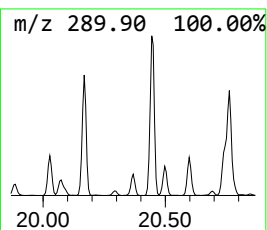
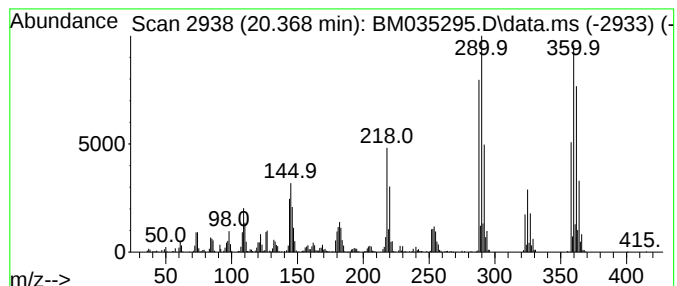
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ClientSampleId :
P013-SS003-0006-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM052722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 2,2',3,4',5,6-Hexachloro-1,... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
20.368	8.86 ng	791251	Chrysene-d12	21.433	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	99
2	2,2',3,4',5,6-Hexachloro-1,1'-bi...	358	C12H4Cl6	068194-13-8	99
3	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	99
4	1,1'-Biphenyl, 2,2',3,4,5,5'-hex...	358	C12H4Cl6	052712-04-6	99
5	1,1'-Biphenyl, 2,2',3,4,4',5-hex...	358	C12H4Cl6	035694-06-5	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052722\
Data File : BM035295.D
Acq On : 27 May 2022 18:49
Operator : CG/JU
Sample : N2921-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
P013-SS003-0006-01

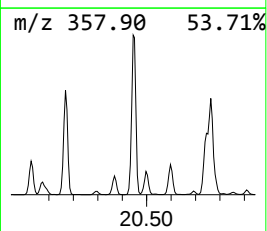
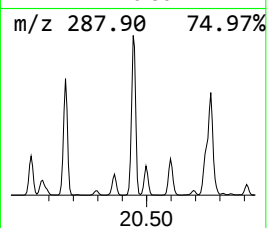
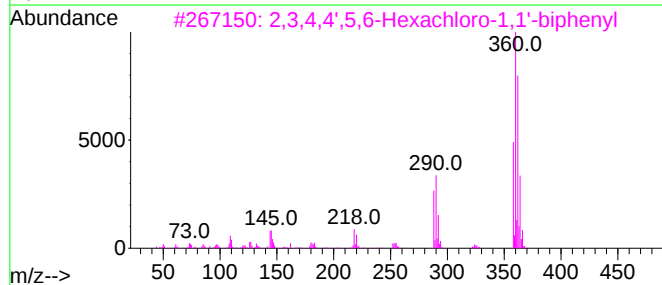
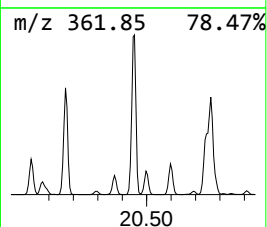
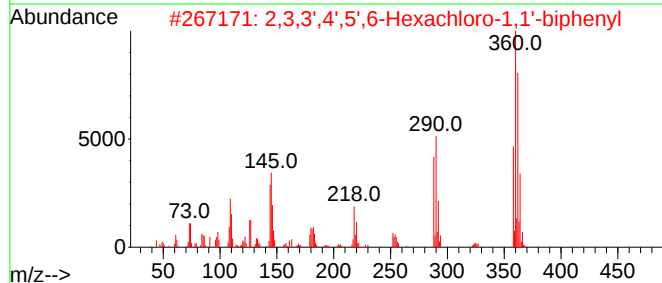
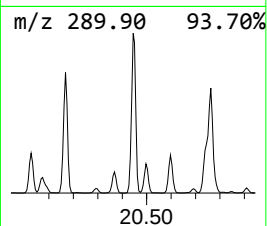
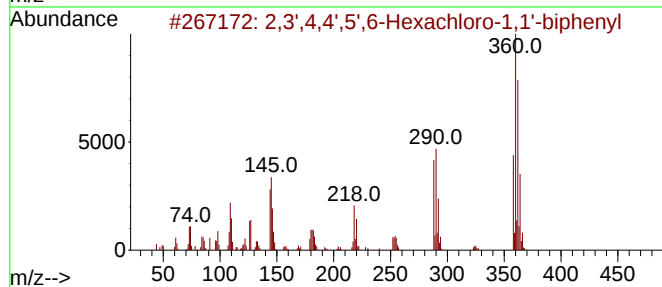
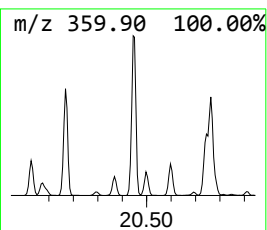
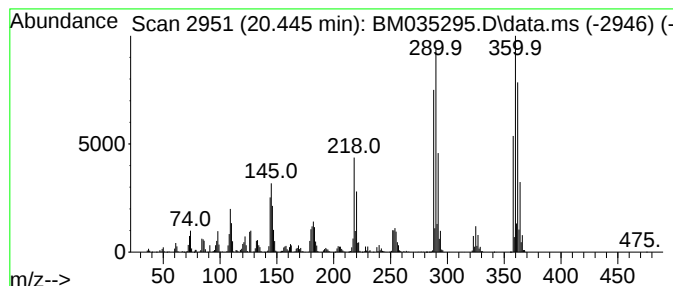
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.445	66.22 ng	5911750	Chrysene-d12	21.433

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3',4,4',5',6-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-65-5	99		
2	2,3,3',4',5',6-Hexachloro-1,1'-b...	358	C12H4Cl6	074472-45-0	99		
3	2,3,4,4',5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-63-6	99		
4	1,1'-Biphenyl, 2,3,3',4,4',5'-he...	358	C12H4Cl6	069782-90-7	99		
5	2,2',3,4',6,6'-Hexachloro-1,1'-b...	358	C12H4Cl6	068194-08-1	99		



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052722\
Data File : BM035295.D
Acq On : 27 May 2022 18:49
Operator : CG/JU
Sample : N2921-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

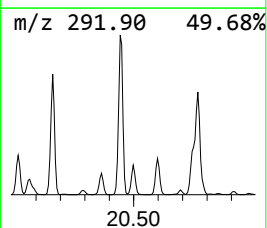
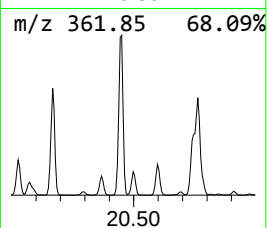
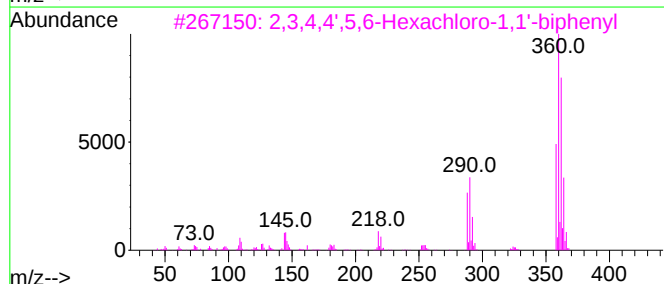
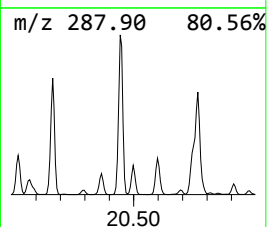
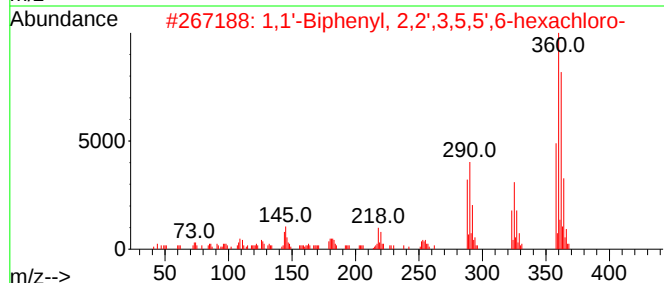
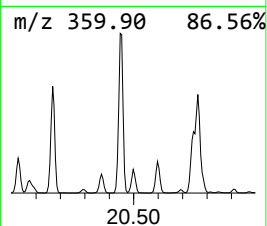
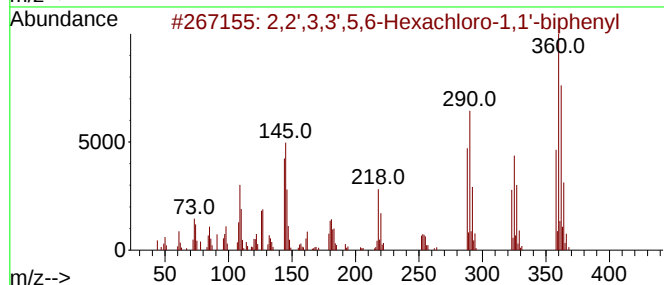
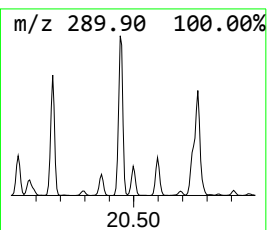
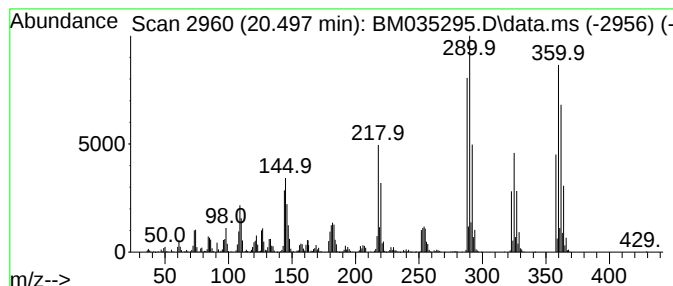
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 2,2',3,3',5,6-Hexachloro-1,... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD		R.T.	
20.497	14.11 ng	1259800	Chrysene-d12		21.433	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	2,2',3,3',5,6-Hexachloro-1,1'-bi...		358	C12H4Cl6	052704-70-8	99
2	1,1'-Biphenyl, 2,2',3,5,5',6-hex...		358	C12H4Cl6	052663-63-5	99
3	2,3,4,4',5,6-Hexachloro-1,1'-bip...		358	C12H4Cl6	041411-63-6	99
4	2,2',3,5,6,6'-Hexachloro-1,1'-bi...		358	C12H4Cl6	068194-09-2	99
5	2,3,3',4',5,5'-Hexachloro-1,1'-b...		358	C12H4Cl6	039635-34-2	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052722\
Data File : BM035295.D
Acq On : 27 May 2022 18:49
Operator : CG/JU
Sample : N2921-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

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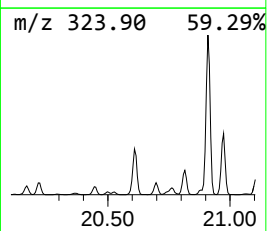
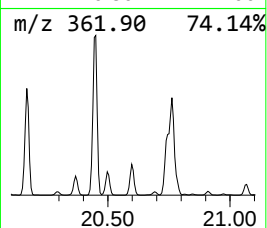
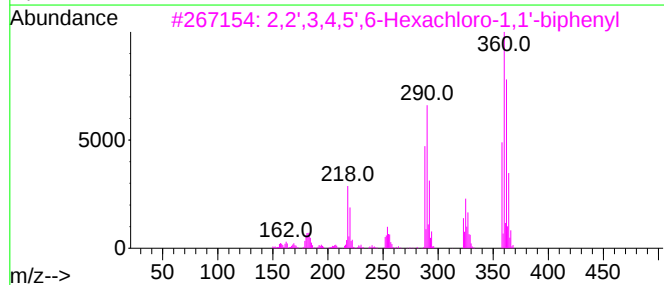
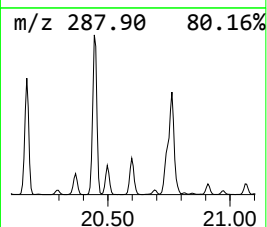
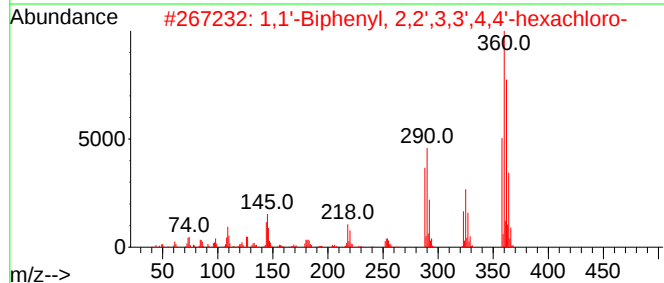
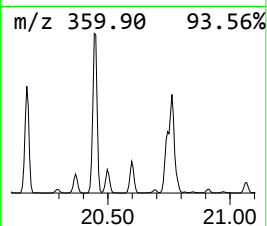
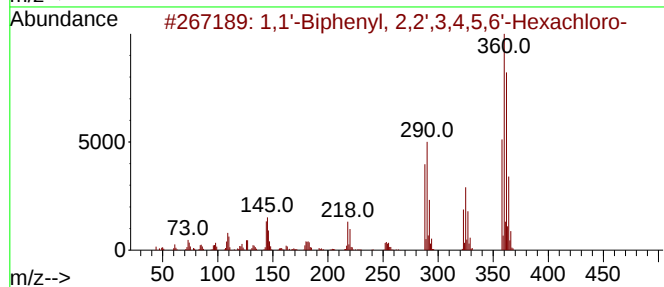
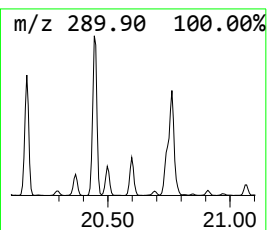
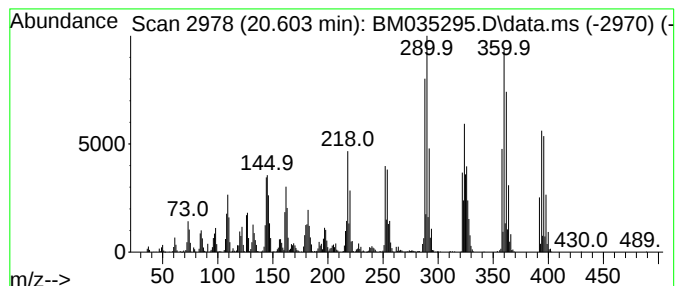
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 1,1'-Biphenyl, 2,2',3,4,5,6... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.603	28.17 ng	2514740	Chrysene-d12	21.433

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	1,1'-Biphenyl, 2,2',3,3',4,4'-he...	358	C12H4Cl6	038380-07-3	99	
3	2,2',3,4,5',6'-Hexachloro-1,1'-bi...	358	C12H4Cl6	068194-14-9	99	
4	2,2',3,4,4',6'-Hexachloro-1,1'-b...	358	C12H4Cl6	059291-64-4	99	
5	2,3,3',4',5,6'-Hexachloro-1,1'-bi...	358	C12H4Cl6	074472-44-9	99	



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052722\
Data File : BM035295.D
Acq On : 27 May 2022 18:49
Operator : CG/JU
Sample : N2921-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

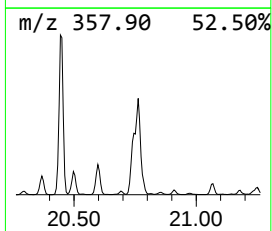
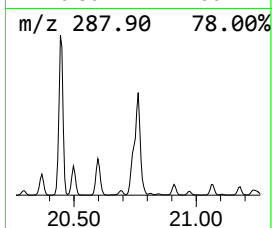
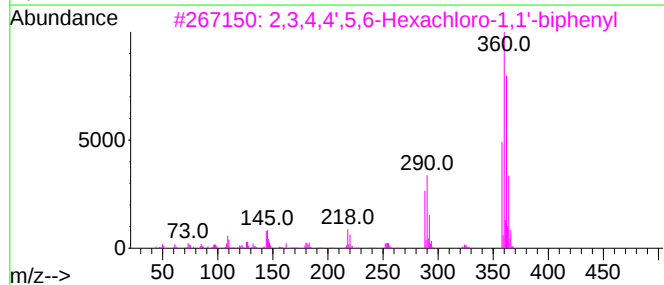
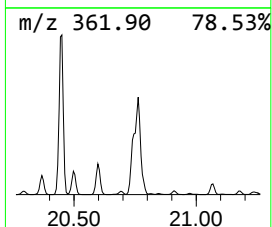
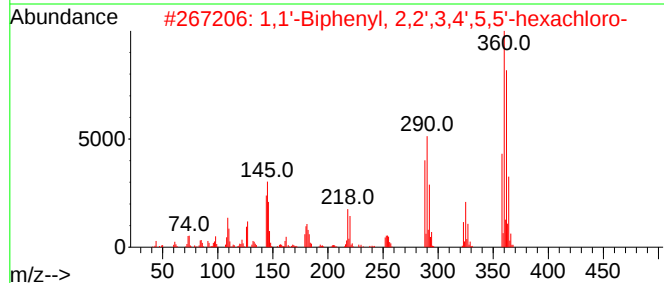
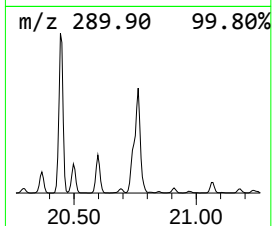
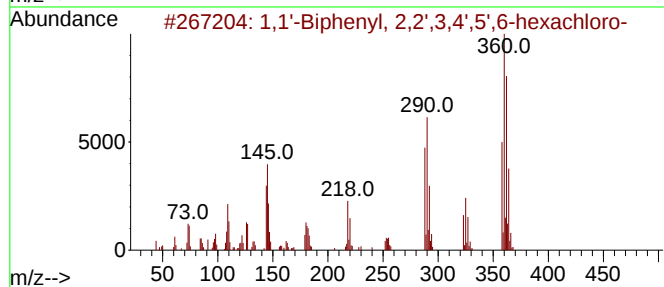
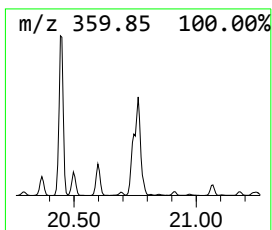
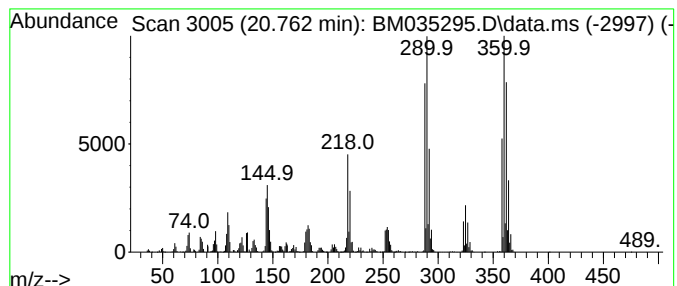
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ClientSampleId :
P013-SS003-0006-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM052722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.		
20.762	66.15 ng	5905380	Chrysene-d12	21.433		
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,4',5',6-he...	358	C12H4Cl6	038380-04-0	99	
2	1,1'-Biphenyl, 2,2',3,4',5,5'-he...	358	C12H4Cl6	051908-16-8	99	
3	2,3,4,4',5,6-Hexachloro-1,1'-bip...	358	C12H4Cl6	041411-63-6	99	
4	1,1'-Biphenyl, 2,2',4,4',5,5'-he...	358	C12H4Cl6	035065-27-1	99	
5	1,1'-Biphenyl, 2,2',4,4',5',6-He...	358	C12H4Cl6	060145-22-4	99	



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052722\
Data File : BM035295.D
Acq On : 27 May 2022 18:49
Operator : CG/JU
Sample : N2921-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

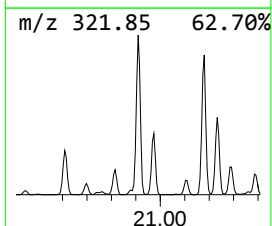
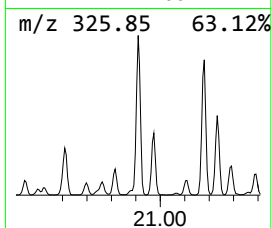
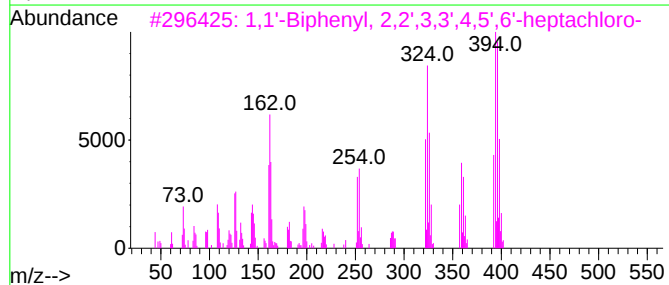
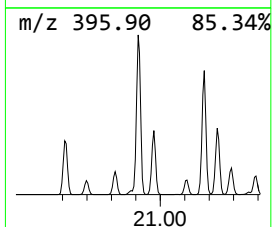
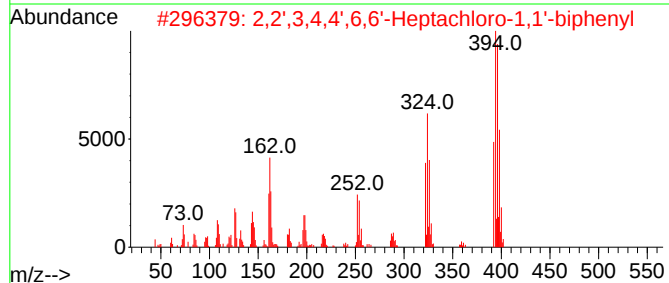
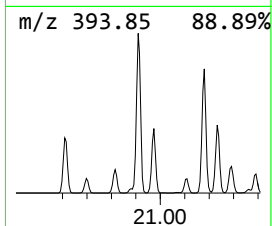
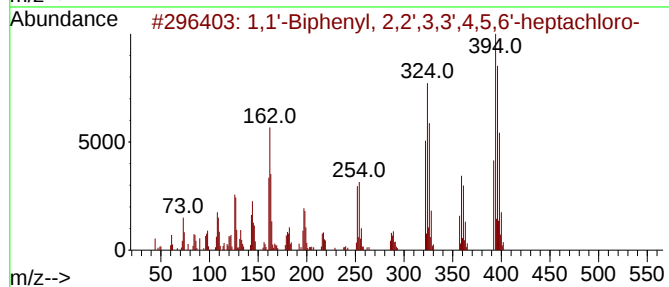
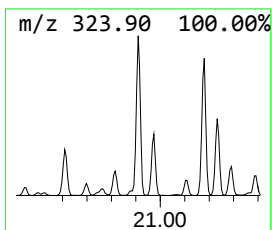
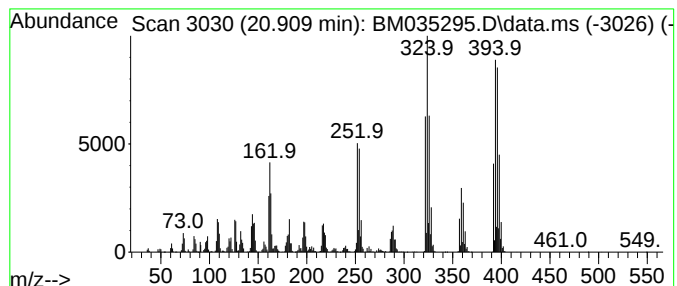
Instrument :
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ClientSampleId :
P013-SS003-0006-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM052722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
20.909	42.86 ng	3826280	Chrysene-d12	21.433	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,5,6'-...	392	C12H3Cl7	038411-25-5	99
2	2,2',3,4,4',6,6'-Heptachloro-1,1...	392	C12H3Cl7	074472-48-3	99
3	1,1'-Biphenyl, 2,2',3,3',4,5',6'...	392	C12H3Cl7	052663-70-4	99
4	1,1'-Biphenyl, 2,2',3,3',4,4',5-...	392	C12H3Cl7	035065-30-6	99
5	1,1'-Biphenyl, 2,2',3,3',4,4',6-...	392	C12H3Cl7	052663-71-5	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052722\
Data File : BM035295.D
Acq On : 27 May 2022 18:49
Operator : CG/JU
Sample : N2921-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P013-SS003-0006-01

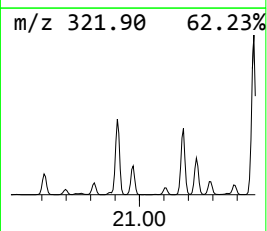
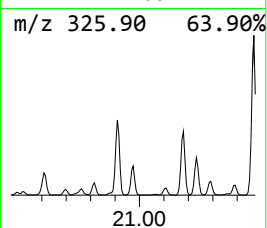
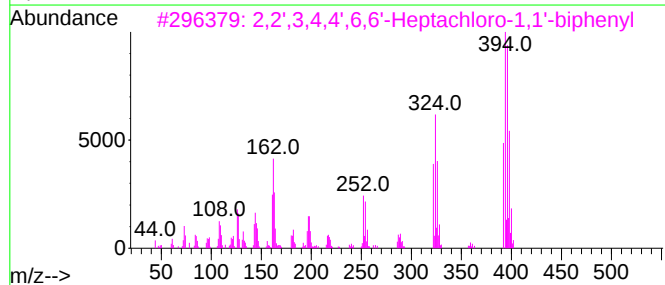
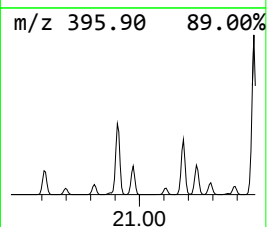
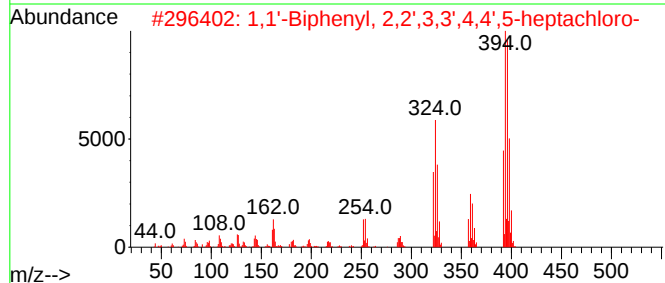
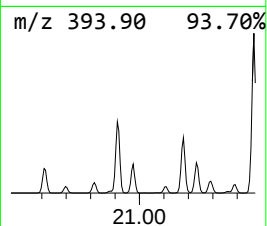
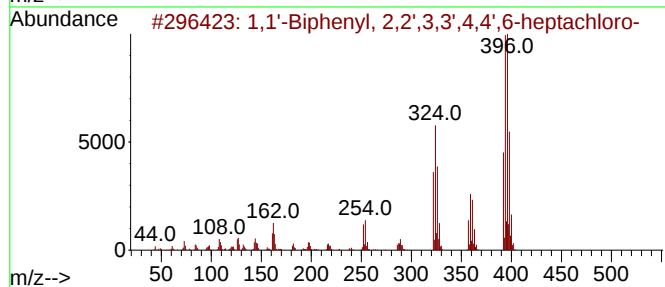
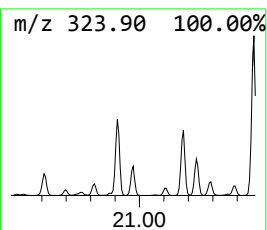
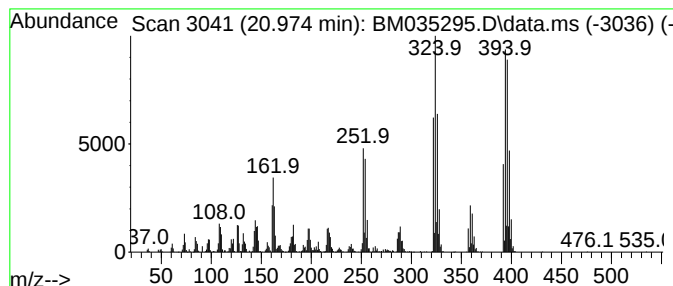
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.974	15.08 ng	1346050	Chrysene-d12	21.433

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',3,4,4',6,6'-Heptachloro-1,1...	392	C12H3Cl7	074472-48-3	99		
4	1,1'-Biphenyl, 2,2',3,4,5,6,6'-H...	392	C12H3Cl7	074472-49-4	99		
5	1,1'-Biphenyl, 2,2',3,4',5,5',6-...	392	C12H3Cl7	052663-68-0	99		



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052722\
Data File : BM035295.D
Acq On : 27 May 2022 18:49
Operator : CG/JU
Sample : N2921-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

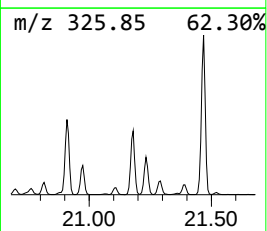
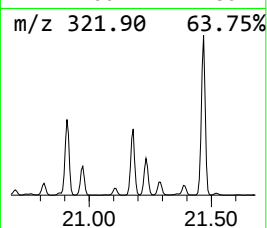
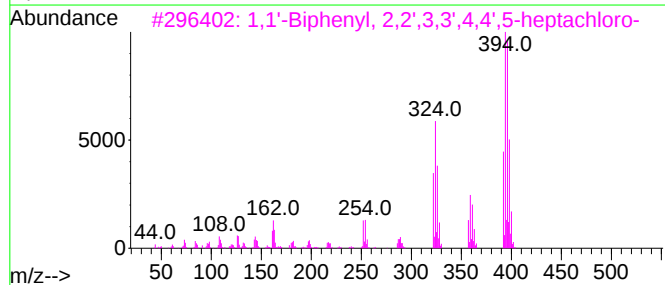
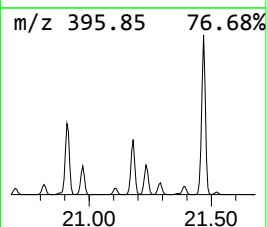
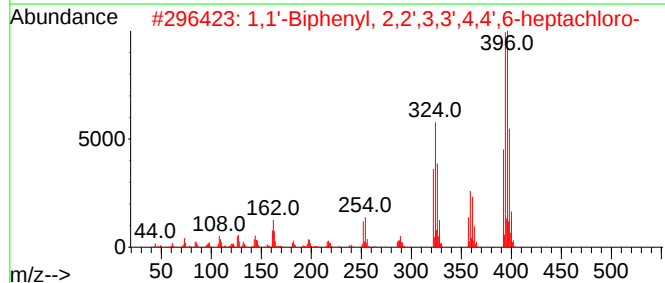
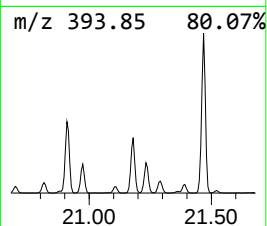
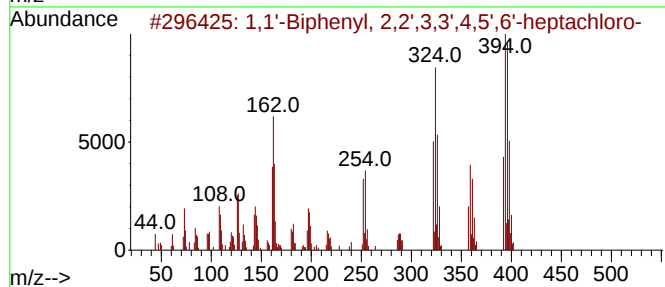
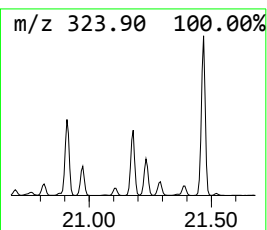
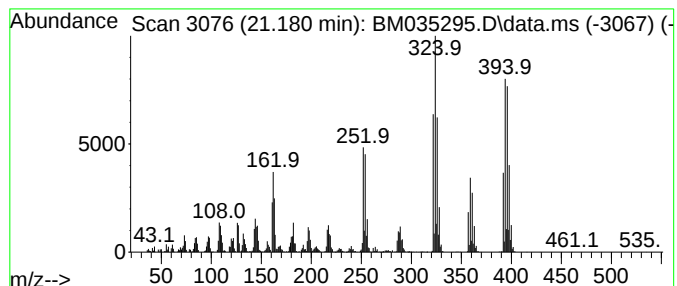
Instrument :
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ClientSampleId :
P013-SS003-0006-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM052722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD		R.T.	
21.180	43.40 ng	3874590	Chrysene-d12		21.433	
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl,	2,2',3,3',4,5',6'...	392	C12H3Cl7	052663-70-4	99
2	1,1'-Biphenyl,	2,2',3,3',4,4',6'...	392	C12H3Cl7	052663-71-5	99
3	1,1'-Biphenyl,	2,2',3,3',4,4',5'...	392	C12H3Cl7	035065-30-6	99
4	1,1'-Biphenyl,	2,3,3',4,4',5,5'-...	392	C12H3Cl7	039635-31-9	99
5	1,1'-Biphenyl,	2,3,3',4,4',5,6-H...	392	C12H3Cl7	041411-64-7	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052722\
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Acq On : 27 May 2022 18:49
Operator : CG/JU
Sample : N2921-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

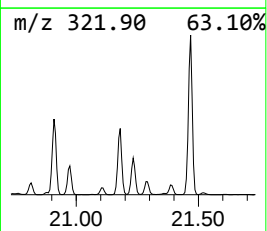
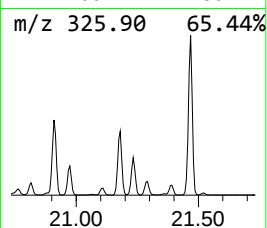
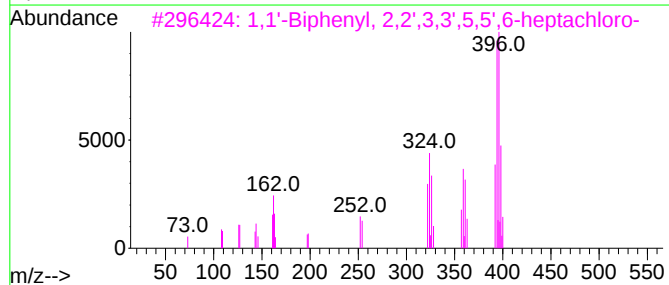
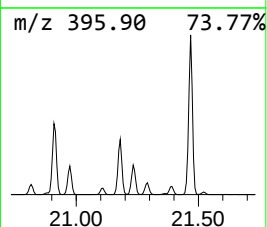
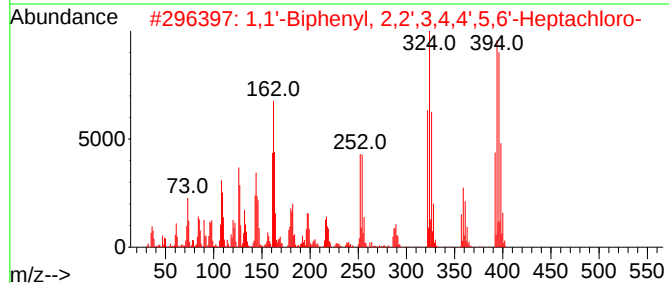
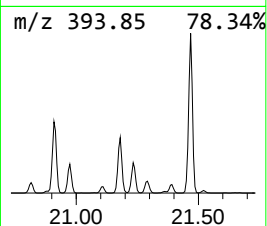
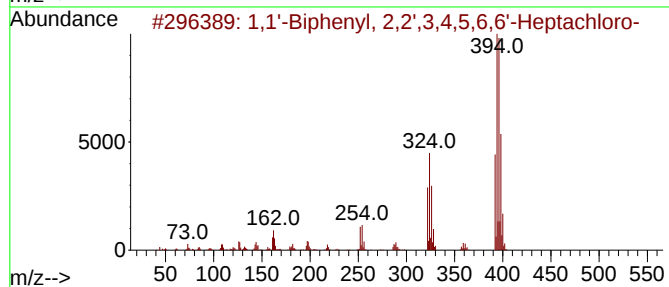
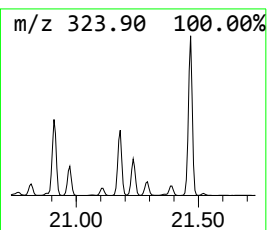
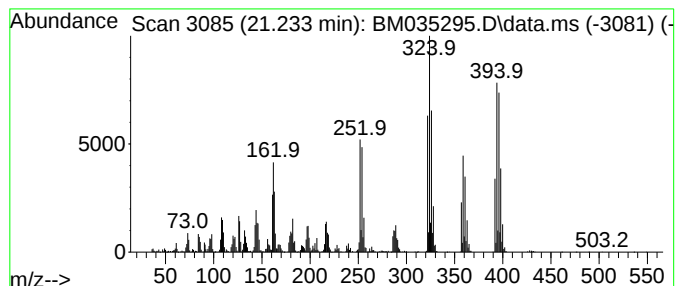
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM052722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 1,1'-Biphenyl, 2,2',3,4,5,6... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.233	21.86 ng	1952040	Chrysene-d12	21.433
Hit#	of 5	Tentative ID	MW MolForm	CAS# Qual
1	1,1'-Biphenyl, 2,2',3,4,5,6,6'-H...	392 C12H3Cl7	074472-49-4	99
2	1,1'-Biphenyl, 2,2',3,4,4',5,6'-...	392 C12H3Cl7	060145-23-5	99
3	1,1'-Biphenyl, 2,2',3,3',5,5',6-...	392 C12H3Cl7	052663-67-9	99
4	1,1'-Biphenyl, 2,2',3,3',4,4',6-...	392 C12H3Cl7	052663-71-5	99
5	2,2',3,4',5,6,6'-Heptachloro-1,1...	392 C12H3Cl7	074487-85-7	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052722\
Data File : BM035295.D
Acq On : 27 May 2022 18:49
Operator : CG/JU
Sample : N2921-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
P013-SS003-0006-01

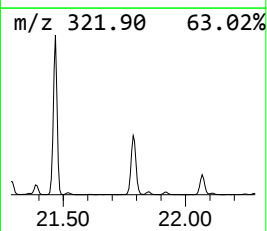
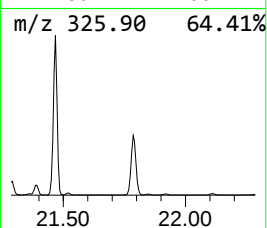
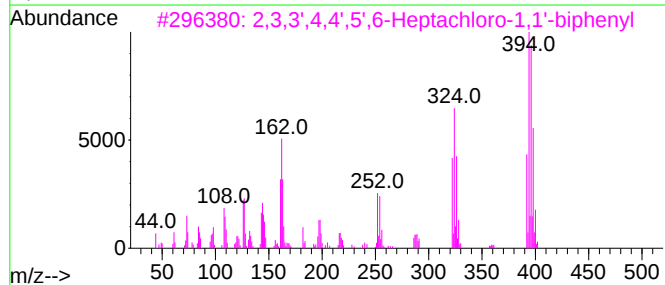
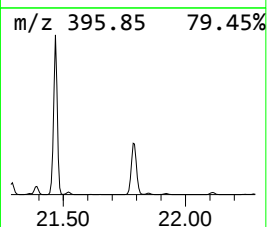
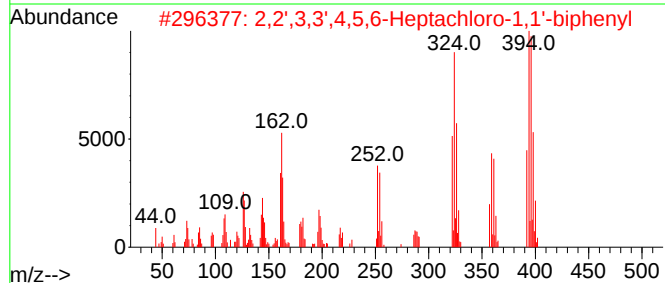
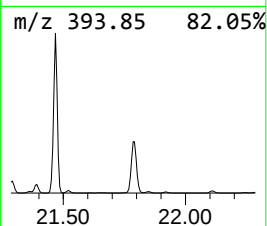
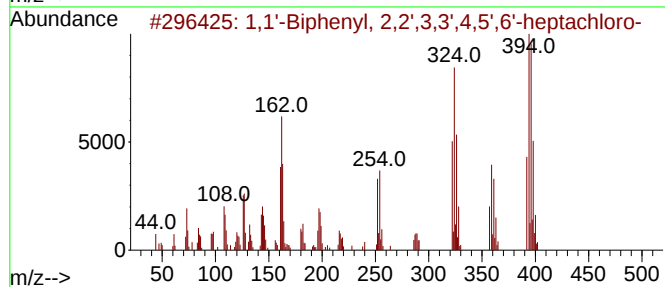
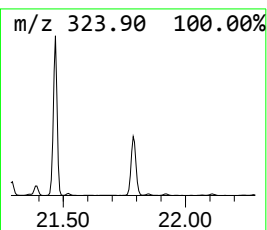
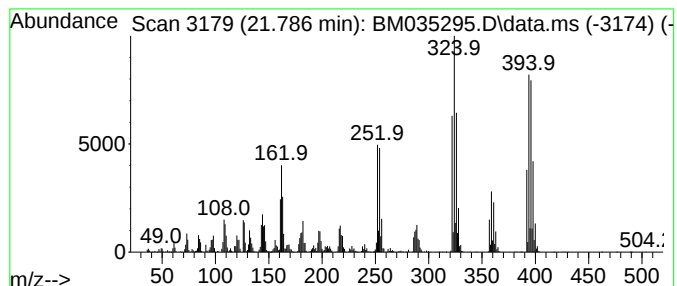
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.786	38.11 ng	3402240	Chrysene-d12	21.433

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,5',6'...	392	C12H3Cl7	052663-70-4	99		
2	2,2',3,3',4,5,6-Heptachloro-1,1'...	392	C12H3Cl7	068194-16-1	99		
3	2,3,3',4,4',5',6-Heptachloro-1,1...	392	C12H3Cl7	074472-50-7	99		
4	1,1'-Biphenyl, 2,2',3,3',4,4',5-...	392	C12H3Cl7	035065-30-6	99		
5	2,2',3,3',4,5',6-Heptachlorobiph...	392	C12H3Cl7	040186-70-7	99		



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052722\
Data File : BM035295.D
Acq On : 27 May 2022 18:49
Operator : CG/JU
Sample : N2921-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P013-SS003-0006-01

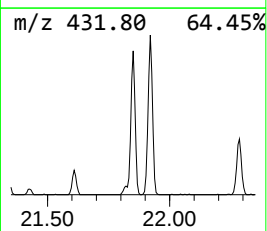
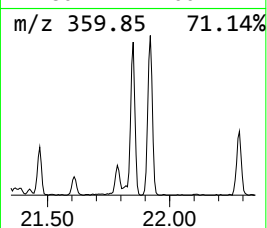
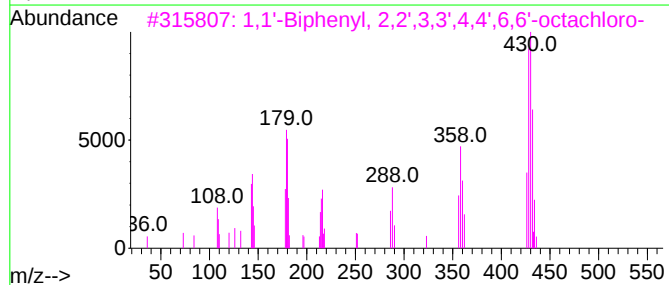
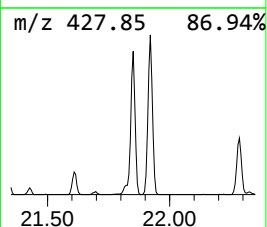
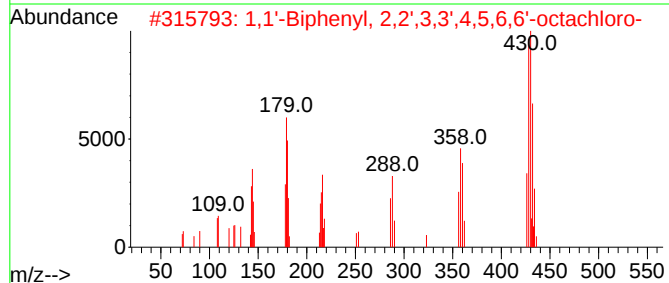
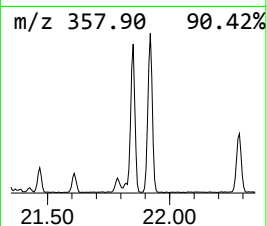
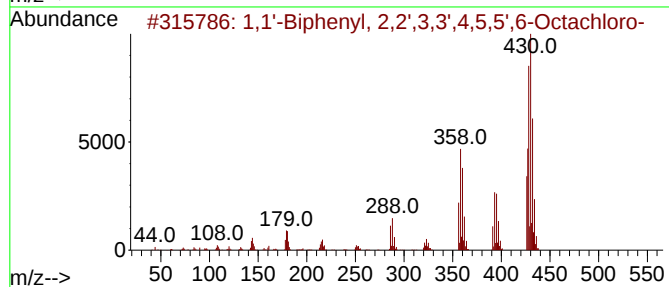
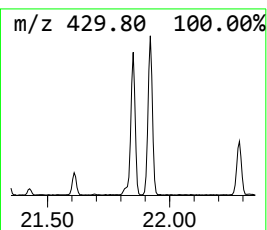
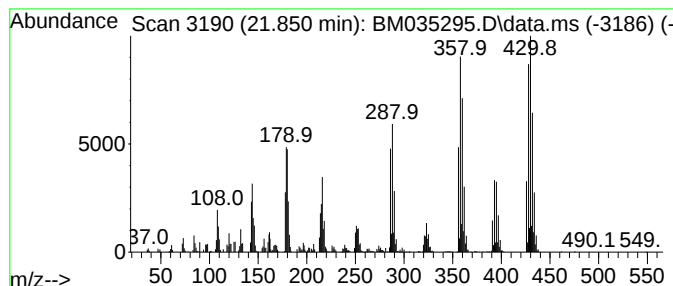
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.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.
21.850	17.88 ng	1596170	Chrysene-d12	21.433

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,5,5',...	426	C12H2Cl8	068194-17-2	99		
2	1,1'-Biphenyl, 2,2',3,3',4,5,6,6...	426	C12H2Cl8	052663-73-7	99		
3	1,1'-Biphenyl, 2,2',3,3',4,4',6...	426	C12H2Cl8	033091-17-7	99		
4	1,1'-Biphenyl, 2,2',3,3',4,4',5...	426	C12H2Cl8	052663-78-2	99		
5	1,1'-Biphenyl, 2,2',3,4,4',5,6,6...	426	C12H2Cl8	074472-52-9	99		



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052722\
Data File : BM035295.D
Acq On : 27 May 2022 18:49
Operator : CG/JU
Sample : N2921-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P013-SS003-0006-01

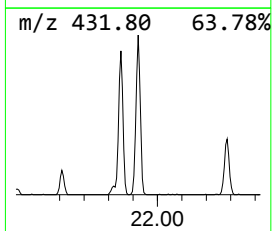
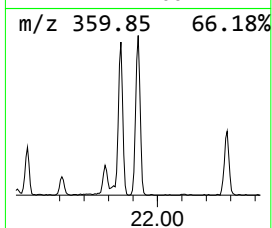
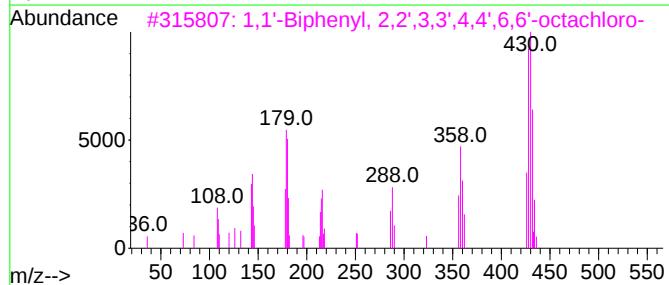
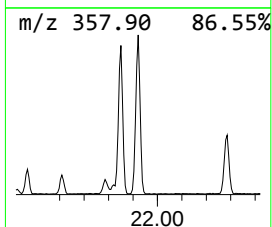
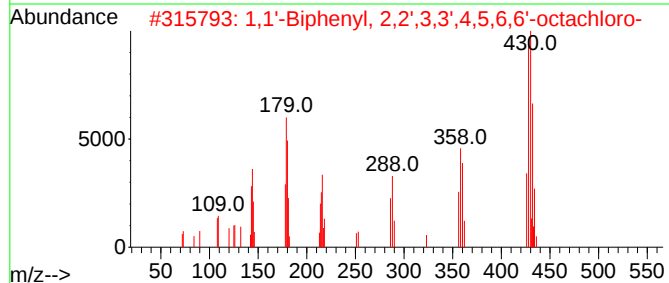
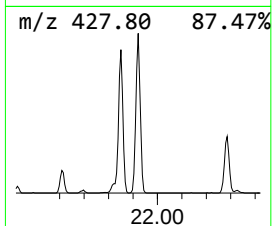
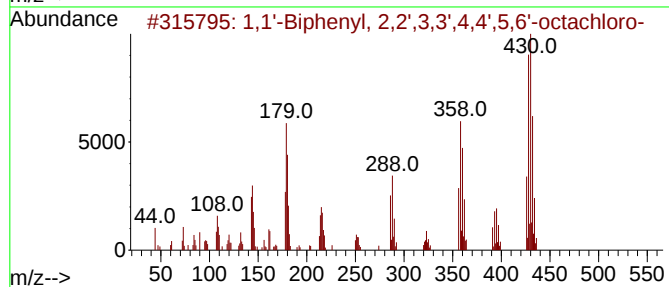
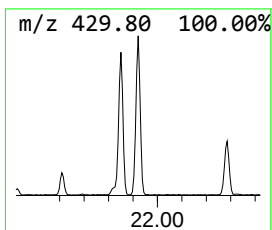
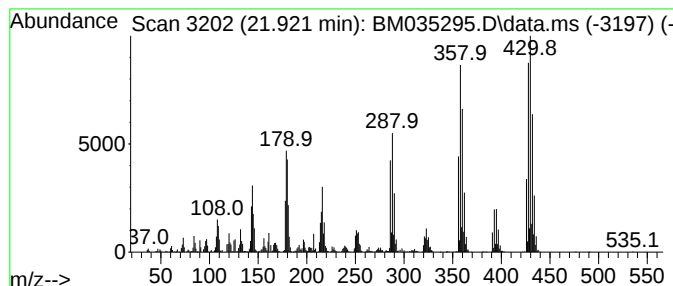
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 1,1'-Biphenyl, 2,2',3,3',4,... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.921	17.55 ng	1566870	Chrysene-d12	21.433

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',3,3',4,4',5,...	426	C12H2Cl8	042740-50-1	99		
2	1,1'-Biphenyl, 2,2',3,3',4,5,6,6...	426	C12H2Cl8	052663-73-7	99		
3	1,1'-Biphenyl, 2,2',3,3',4,4',6...	426	C12H2Cl8	033091-17-7	99		
4	2,2',3,4,4',5,5',6-Octachloro-1...	426	C12H2Cl8	052663-76-0	99		
5	1,1'-Biphenyl, 2,2',3,4,4',5,6,6...	426	C12H2Cl8	074472-52-9	99		



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052722\
Data File : BM035295.D
Acq On : 27 May 2022 18:49
Operator : CG/JU
Sample : N2921-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

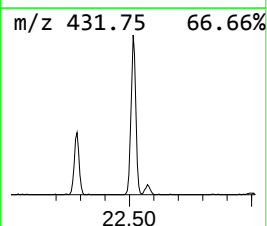
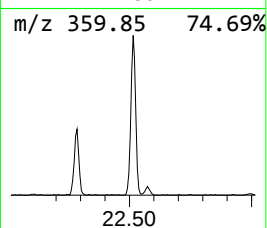
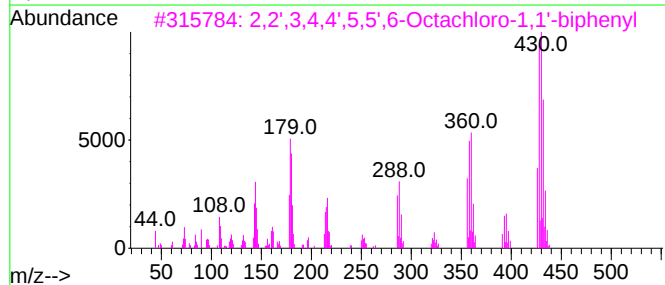
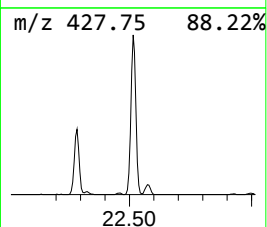
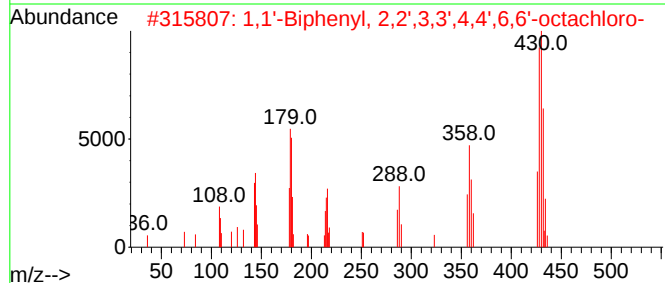
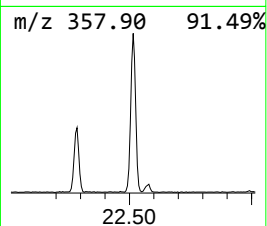
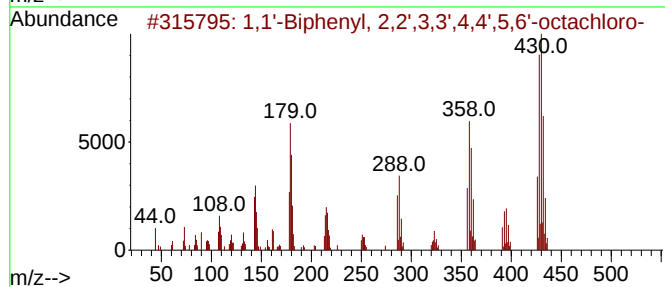
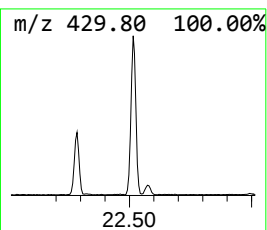
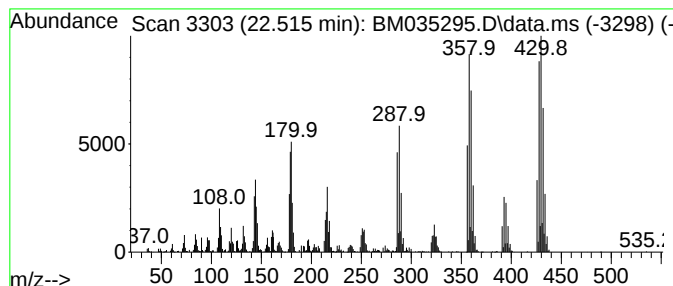
Instrument :
BNA_M
ClientSampleId :
P013-SS003-0006-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM052722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD		R.T.	
22.515	18.17 ng	1622010	Chrysene-d12		21.433	
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl,	2,2',3,3',4,4',5,...	426	C12H2Cl8	042740-50-1	99
2	1,1'-Biphenyl,	2,2',3,3',4,4',6,...	426	C12H2Cl8	033091-17-7	99
3	2,2',3,4,4',5,5',6-Octachloro-1,...		426	C12H2Cl8	052663-76-0	99
4	1,1'-Biphenyl,	2,2',3,4,4',5,6,6...	426	C12H2Cl8	074472-52-9	99
5	1,1'-Biphenyl,	2,2',3,3',4,4',5,...	426	C12H2Cl8	052663-78-2	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052722\
Data File : BM035295.D
Acq On : 27 May 2022 18:49
Operator : CG/JU
Sample : N2921-06
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
P013-SS003-0006-01

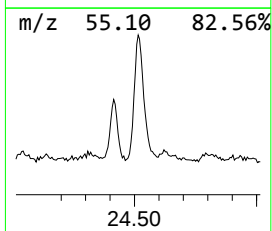
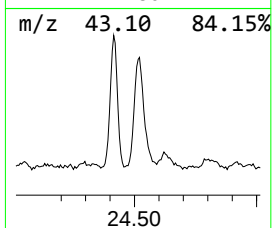
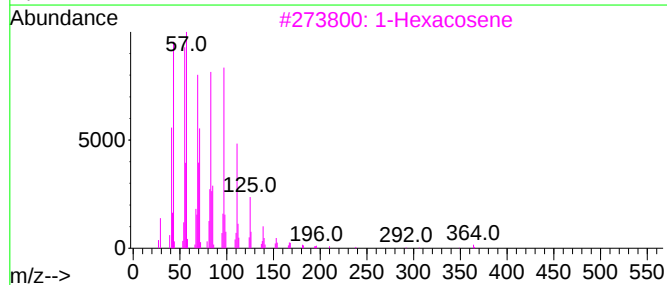
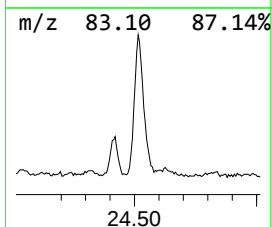
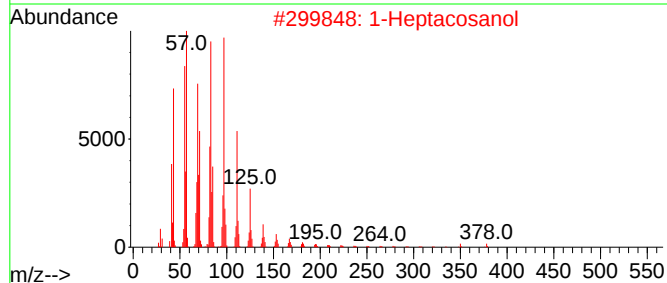
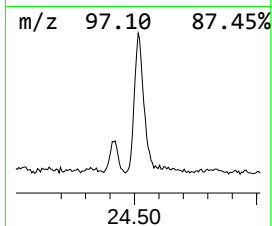
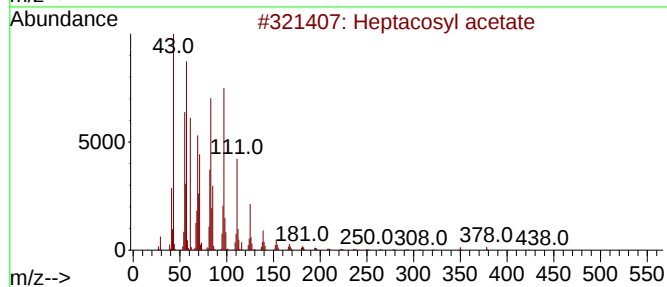
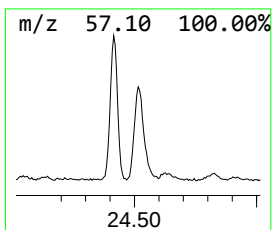
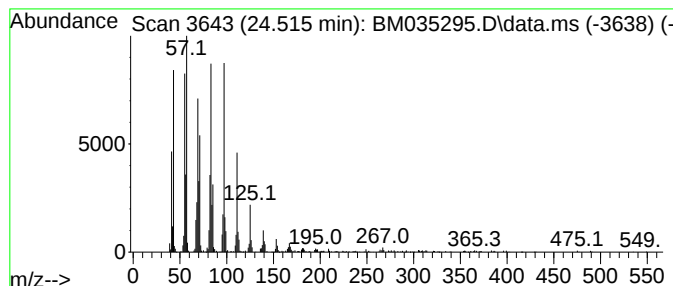
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Heptacosyl acetate Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.515	10.64 ng	1040490	Perylene-d12	23.797

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptacosyl acetate	438	C29H58O2	1000351-78-2	95
2			1-Heptacosanol	396	C27H56O	002004-39-9	95
3			1-Hexacosene	364	C26H52	018835-33-1	94
4			1-Hexacosanol	382	C26H54O	000506-52-5	94
5			Octacosanol	410	C28H58O	000557-61-9	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052722\
 Data File : BM035295.D
 Acq On : 27 May 2022 18:49
 Operator : CG/JU
 Sample : N2921-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P013-SS003-0006-01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM052722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
n-Hexadecanoic ...	18.162	17.1	ng	1204200	4	17.256	1410590	20.0
1,1'-Biphenyl, ...	19.174	11.0	ng	775744	4	17.256	1410590	20.0
3,3',4,4',5-Pe...	19.456	12.3	ng	1097910	5	21.433	1785560	20.0
1,1'-Biphenyl, ...	20.027	17.4	ng	1555850	5	21.433	1785560	20.0
2,3,4,4',5,6-He...	20.074	8.9	ng	795352	5	21.433	1785560	20.0
1,1'-Biphenyl, ...	20.168	48.8	ng	4353010	5	21.433	1785560	20.0
2,2',3,4',5,6-H...	20.368	8.9	ng	791251	5	21.433	1785560	20.0
2,3',4,4',5',6-...	20.445	66.2	ng	5911750	5	21.433	1785560	20.0
2,2',3,3',5,6-H...	20.497	14.1	ng	1259800	5	21.433	1785560	20.0
1,1'-Biphenyl, ...	20.603	28.2	ng	2514740	5	21.433	1785560	20.0
1,1'-Biphenyl, ...	20.762	66.2	ng	5905380	5	21.433	1785560	20.0
1,1'-Biphenyl, ...	20.909	42.9	ng	3826280	5	21.433	1785560	20.0
1,1'-Biphenyl, ...	20.974	15.1	ng	1346050	5	21.433	1785560	20.0
1,1'-Biphenyl, ...	21.180	43.4	ng	3874590	5	21.433	1785560	20.0
1,1'-Biphenyl, ...	21.233	21.9	ng	1952040	5	21.433	1785560	20.0
2,2',3,3',4,5,6...	21.786	38.1	ng	3402240	5	21.433	1785560	20.0
1,1'-Biphenyl, ...	21.850	17.9	ng	1596170	5	21.433	1785560	20.0
1,1'-Biphenyl, ...	21.921	17.6	ng	1566870	5	21.433	1785560	20.0
1,1'-Biphenyl, ...	22.515	18.2	ng	1622010	5	21.433	1785560	20.0
Heptacosyl acetate	24.515	10.6	ng	1040490	6	23.797	1955480	20.0