

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041323\
 Data File : BM039428.D
 Acq On : 14 Apr 2023 01:50
 Operator : CG/JU
 Sample : 02305-01 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 VNJ-232

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-BM032923.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM039428.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.434	376	382	394	rBV	529113	860423	6.21%	0.694%
2	7.057	652	658	671	rBV	443483	835743	6.03%	0.674%
3	7.857	784	794	803	rBV	926143	1527702	11.03%	1.232%
4	9.028	986	993	1013	rBV	277215	575874	4.16%	0.464%
5	10.669	1259	1272	1287	rBV	1250845	2240496	16.17%	1.806%
6	13.133	1686	1691	1699	rVV	879413	1289756	9.31%	1.040%
7	13.327	1720	1724	1731	rVB3	103329	183400	1.32%	0.148%
8	13.986	1830	1836	1839	rVV2	188249	281185	2.03%	0.227%
9	14.239	1875	1879	1890	rBV	121253	311031	2.25%	0.251%
10	14.404	1902	1907	1914	rBV2	260281	397858	2.87%	0.321%
11	14.516	1921	1926	1932	rVV	1860302	2851985	20.59%	2.300%
12	14.580	1932	1937	1943	rVB	354255	562460	4.06%	0.454%
13	14.910	1990	1993	1999	rVB2	159502	227756	1.64%	0.184%
14	15.021	2009	2012	2017	rVB3	157778	220918	1.59%	0.178%
15	15.357	2065	2069	2073	rVB	381672	477784	3.45%	0.385%
16	15.569	2100	2105	2109	rBV	557909	843715	6.09%	0.680%
17	15.763	2134	2138	2144	rVB2	449681	693908	5.01%	0.559%
18	15.857	2151	2154	2160	rVB2	191472	305867	2.21%	0.247%
19	16.010	2176	2180	2187	rVB2	653554	966282	6.97%	0.779%
20	16.221	2212	2216	2217	rBV	592102	709000	5.12%	0.572%
21	16.374	2239	2242	2248	rVB	390899	558031	4.03%	0.450%
22	17.015	2347	2351	2355	rBV2	673752	873256	6.30%	0.704%
23	17.068	2356	2360	2369	rVV2	663300	1493962	10.78%	1.205%
24	17.145	2369	2373	2376	rVV2	910790	1305536	9.42%	1.053%
25	17.180	2376	2379	2384	rVB	478655	646979	4.67%	0.522%
26	17.268	2389	2394	2397	rBV	2147060	3214815	23.20%	2.592%
27	17.315	2397	2402	2412	rVV	6010045	8817317	63.64%	7.109%
28	17.404	2412	2417	2420	rVV	1674311	2324194	16.78%	1.874%
29	17.439	2421	2423	2433	rVB4	521235	866530	6.25%	0.699%
30	17.680	2460	2464	2467	rBV	619498	920204	6.64%	0.742%
31	17.721	2467	2471	2473	rVV	1280920	1729176	12.48%	1.394%
32	17.751	2473	2476	2481	rVB2	1472895	1894985	13.68%	1.528%
33	17.868	2490	2496	2504	rVB	2044441	4230855	30.54%	3.411%
34	17.992	2512	2517	2522	rBV2	631869	1080865	7.80%	0.871%
35	18.121	2535	2539	2541	rBV	492485	717203	5.18%	0.578%
36	18.168	2541	2547	2550	rBV3	1253373	2102227	15.17%	1.695%

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Peak Location: TOP

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

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37	18.280	2562	2566	2571	rVB	427404	631497	4.56%	0.509%
38	18.339	2571	2576	2581	rVV2	2741035	4310156	31.11%	3.475%
39	18.398	2582	2586	2590	rVV2	1477316	2136879	15.42%	1.723%
40	18.445	2590	2594	2600	rVB3	984865	1450107	10.47%	1.169%
41	18.621	2620	2624	2628	rBV	1525510	2318021	16.73%	1.869%
42	18.762	2645	2648	2651	rBV2	390182	467926	3.38%	0.377%
43	18.798	2651	2654	2660	rVB	740054	958702	6.92%	0.773%
44	18.898	2668	2671	2676	rBV4	439885	652394	4.71%	0.526%
45	19.333	2740	2745	2752	rBV	9605157	13854126	100.00%	11.170%
46	19.451	2762	2765	2766	rBV	354734	428536	3.09%	0.346%
47	19.668	2797	2802	2803	rBV	1945066	2601604	18.78%	2.098%
48	19.698	2803	2807	2815	rVB	7274067	10719436	77.37%	8.643%
49	19.898	2838	2841	2851	rVB3	1190916	2231473	16.11%	1.799%
50	20.192	2888	2891	2895	rVB2	1817268	2326922	16.80%	1.876%
51	20.292	2904	2908	2912	rBV2	1466857	1960299	14.15%	1.581%
52	21.103	3044	3046	3050	rBV	662398	816570	5.89%	0.658%
53	21.450	3100	3105	3110	rBV3	4559908	9207686	66.46%	7.424%
54	21.498	3110	3113	3123	rVB	3960341	5641359	40.72%	4.549%
55	23.133	3386	3391	3396	rBV	2068333	4621742	33.36%	3.726%
56	23.644	3475	3478	3485	rVB	1704032	2825910	20.40%	2.278%
57	23.750	3492	3496	3504	rVB	2588412	4725644	34.11%	3.810%

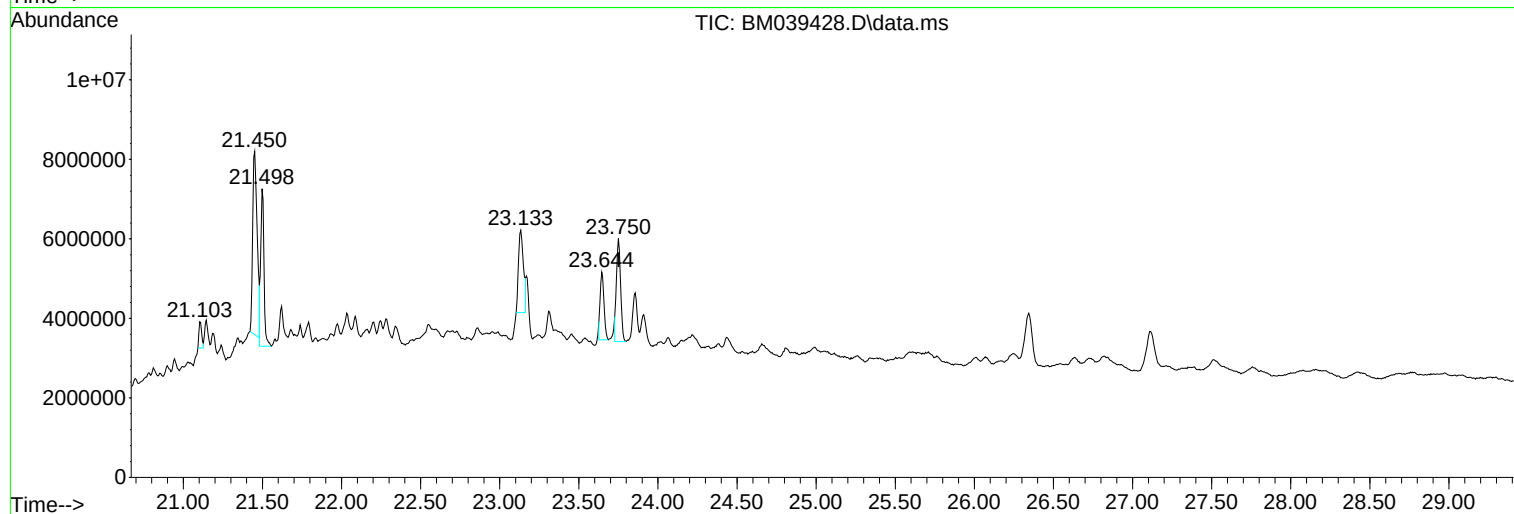
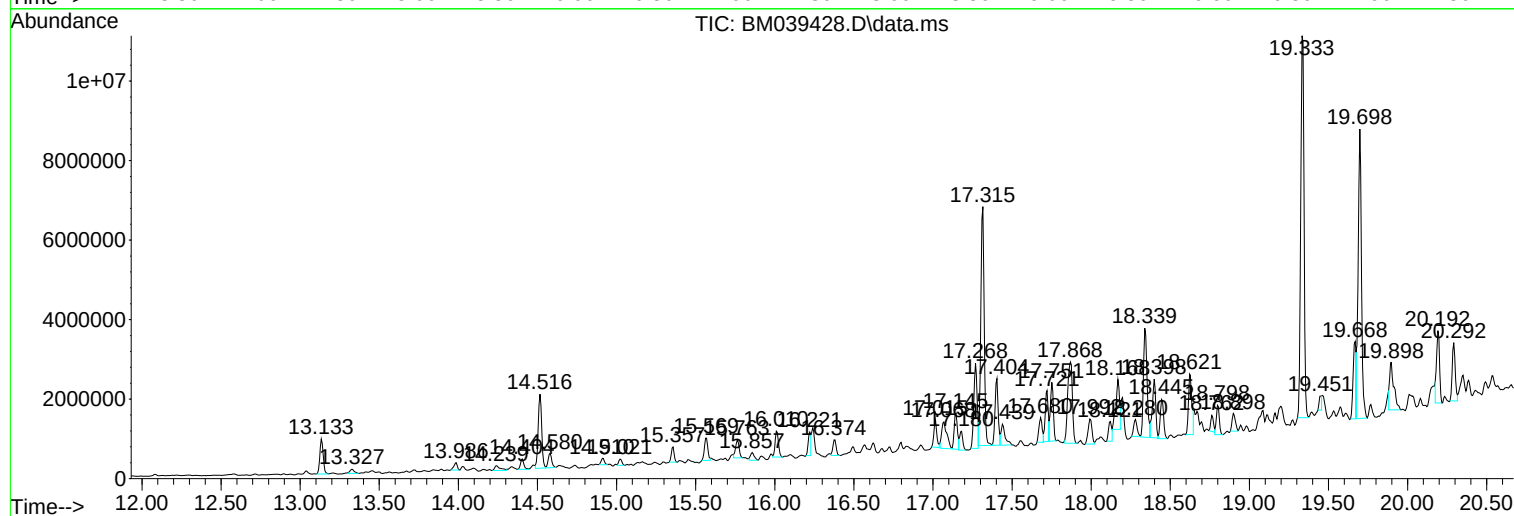
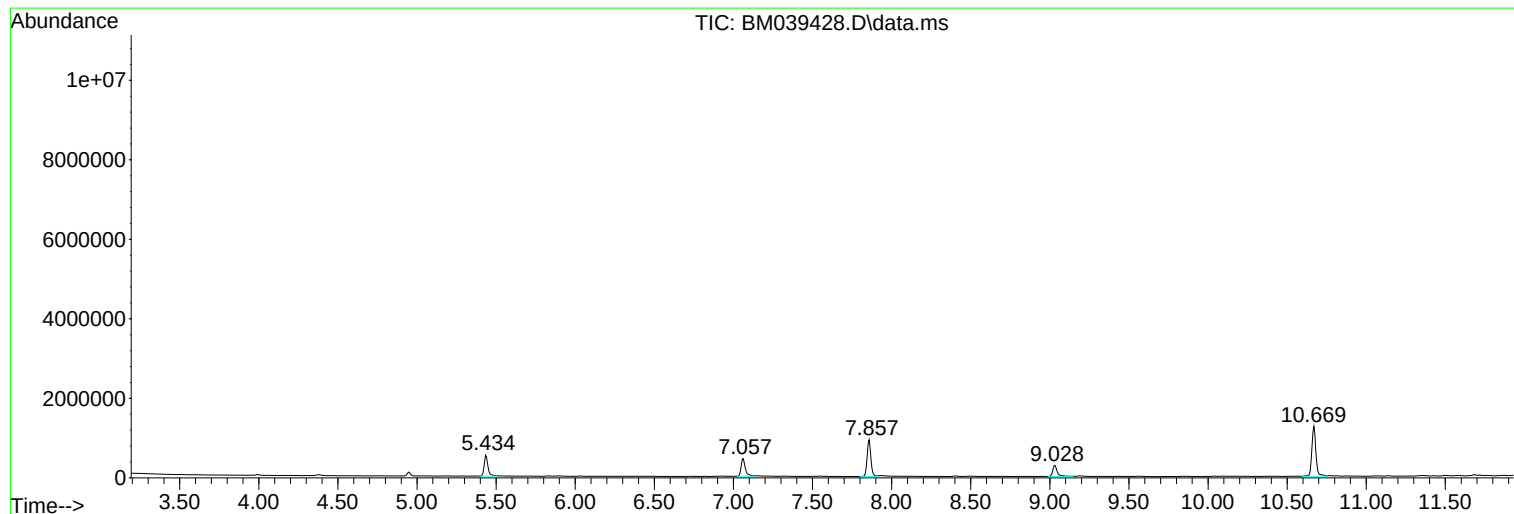
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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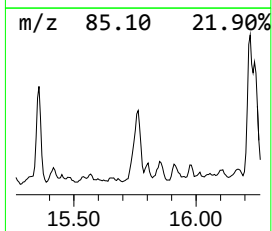
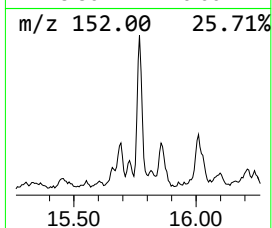
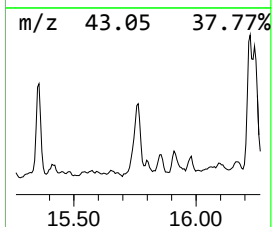
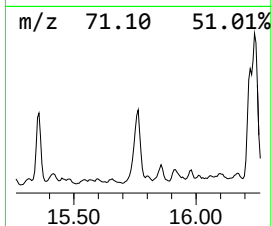
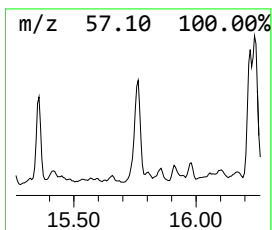
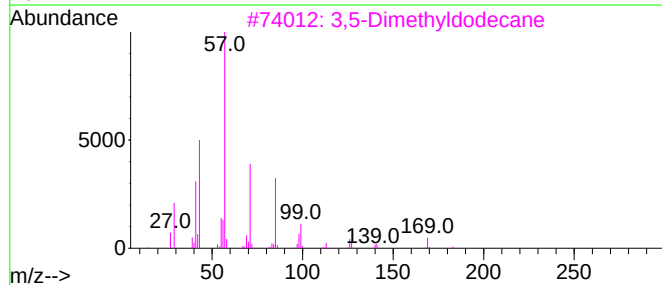
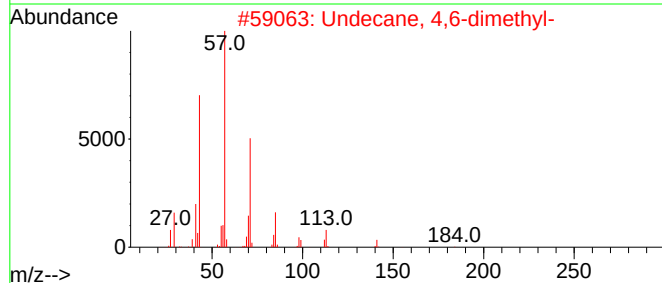
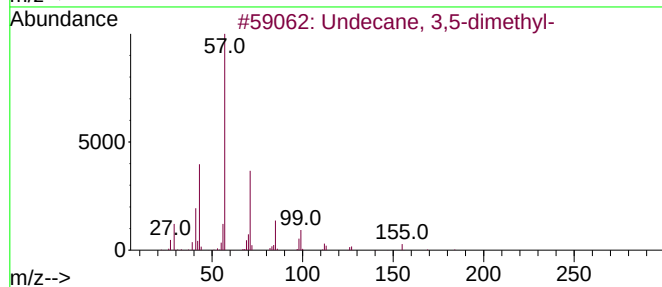
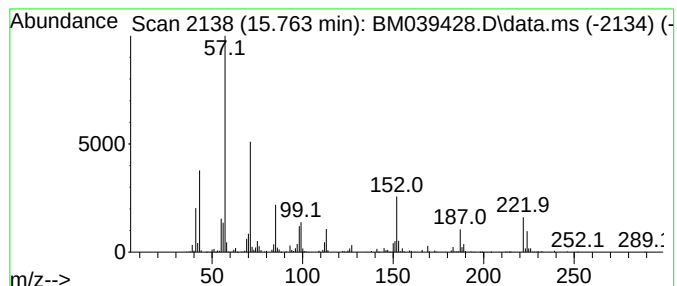
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Undecane, 3,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.763	4.87 ng	693908	Acenaphthene-d10	14.516

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	55
2			Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	53
3			3,5-Dimethyldodecane	198	C14H30	107770-99-0	50
4			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	46
5			Hexadecane	226	C16H34	000544-76-3	45



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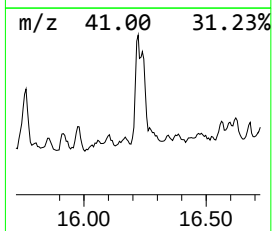
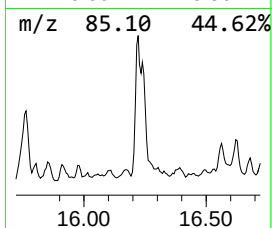
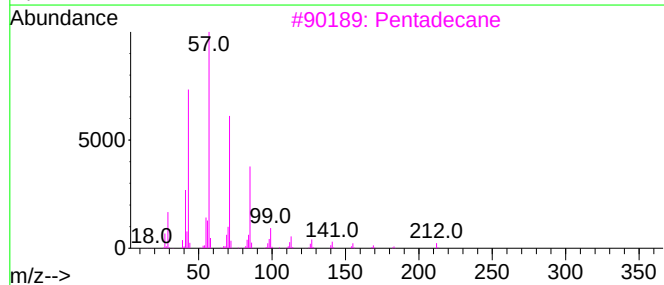
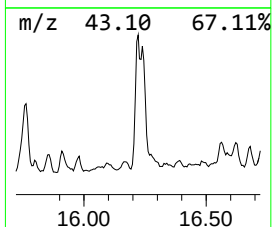
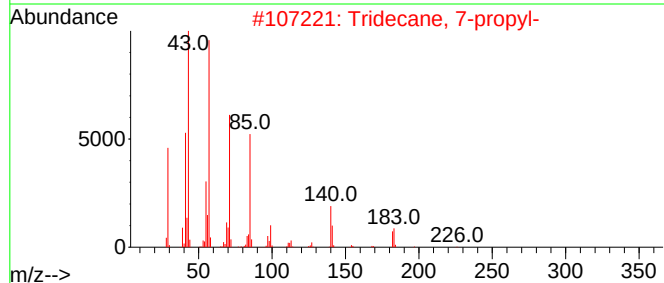
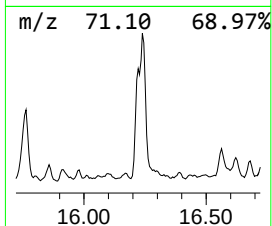
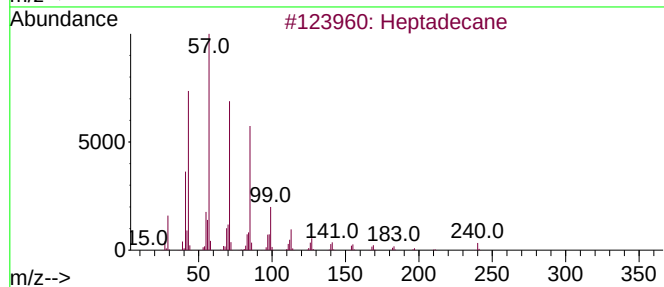
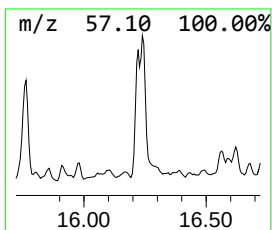
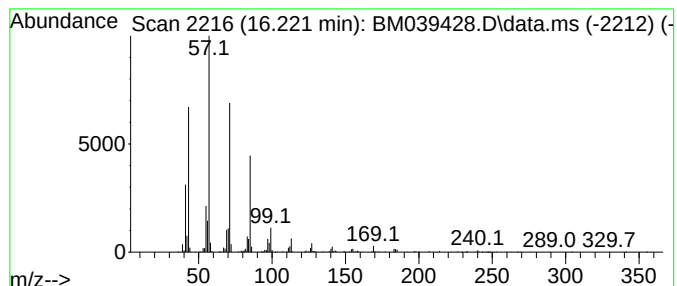
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Heptadecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.221	4.41 ng	709000	Phenanthrene-d10	17.268

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptadecane	240	C17H36	000629-78-7	96
2		Tridecane, 7-propyl-	226	C16H34	055045-09-5	93
3		Pentadecane	212	C15H32	000629-62-9	91
4		Heneicosane	296	C21H44	000629-94-7	91
5		Hexadecane	226	C16H34	000544-76-3	91



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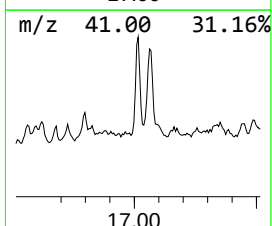
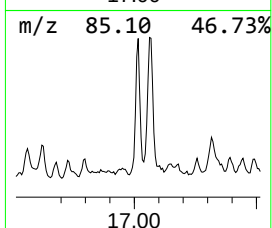
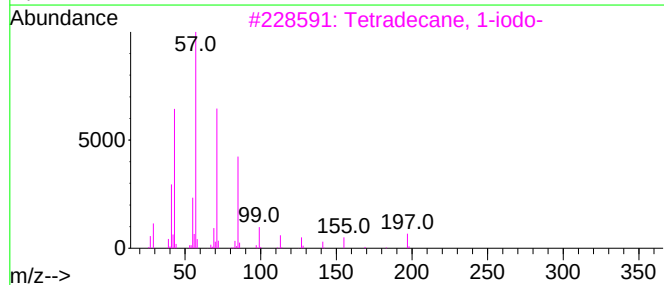
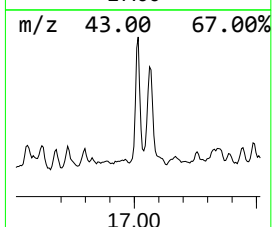
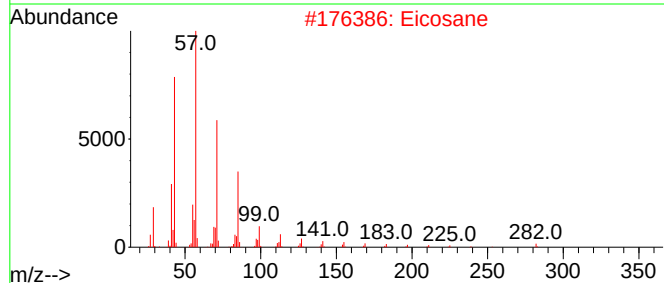
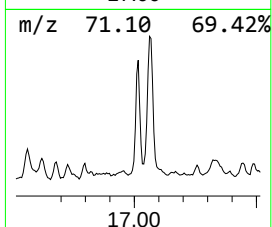
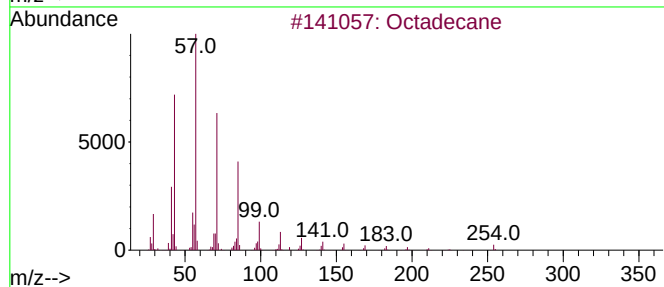
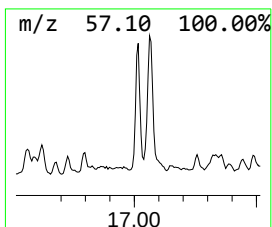
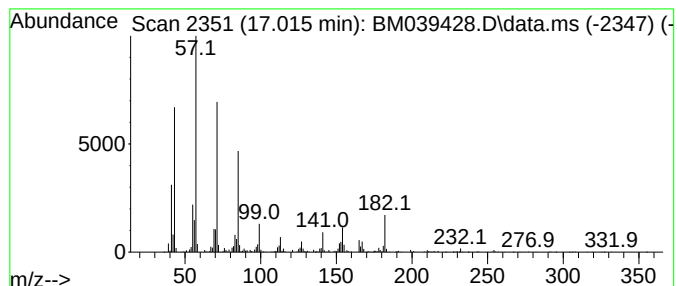
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Octadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.015	5.43 ng	873256	Phenanthrene-d10	17.268

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecane	254	C18H38	000593-45-3	76
2			Eicosane	282	C20H42	000112-95-8	64
3			Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	62
4			Octacosane	394	C28H58	000630-02-4	62
5			Heneicosane	296	C21H44	000629-94-7	62



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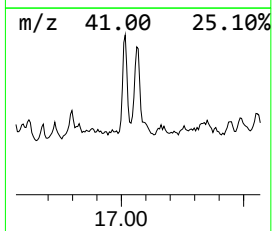
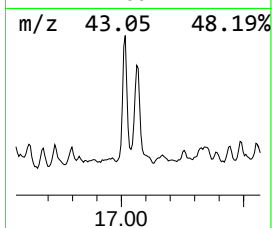
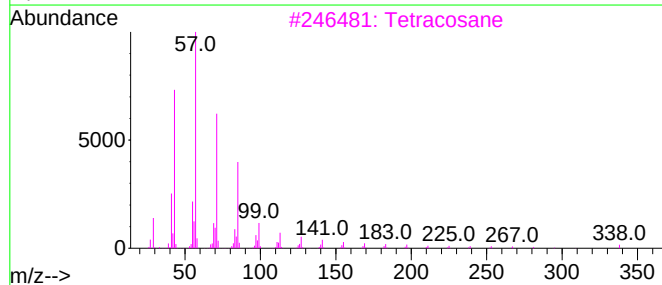
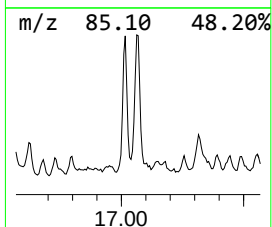
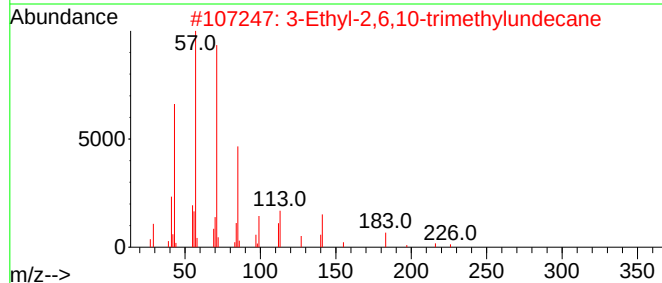
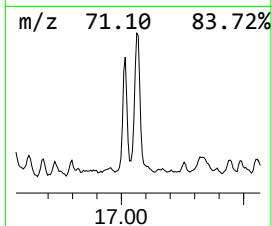
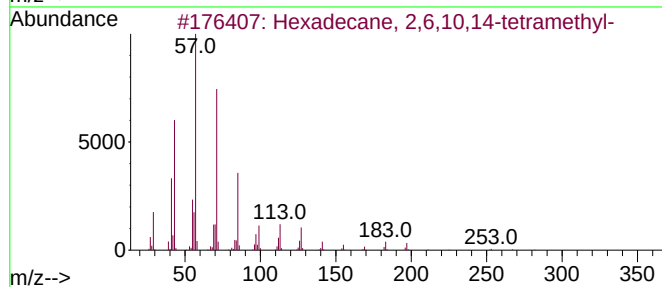
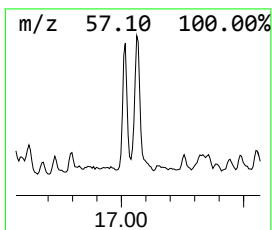
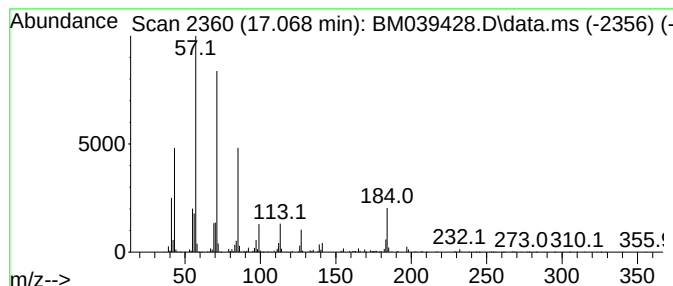
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Hexadecane, 2,6,10,14-tetra... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.068	9.29 ng	1493960	Phenanthrene-d10	17.268

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	86
2			3-Ethyl-2,6,10-trimethylundecane	226	C16H34	1000432-25-9	80
3			Tetracosane	338	C24H50	000646-31-1	80
4			Hexacosane	366	C26H54	000630-01-3	80
5			Heneicosane	296	C21H44	000629-94-7	80



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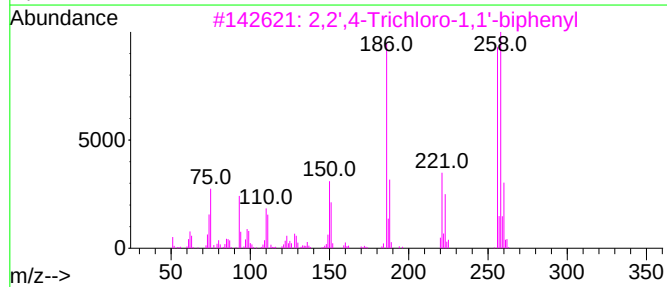
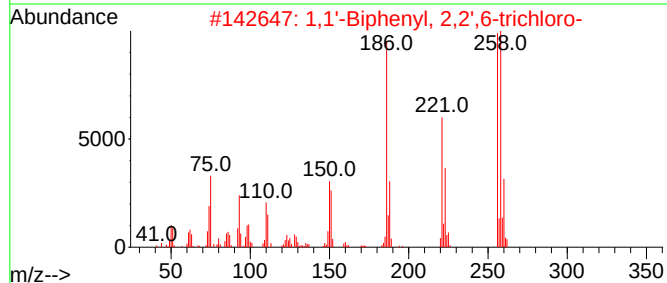
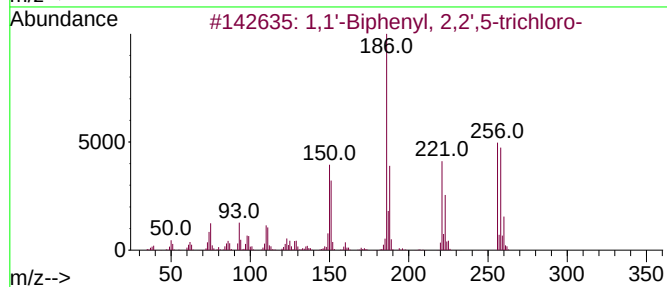
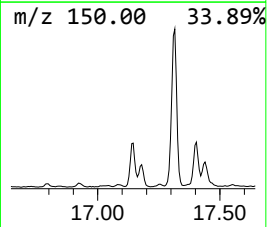
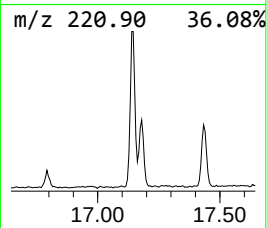
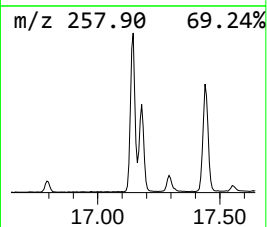
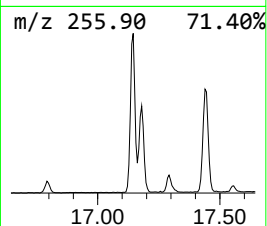
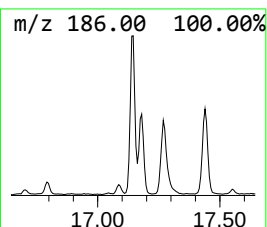
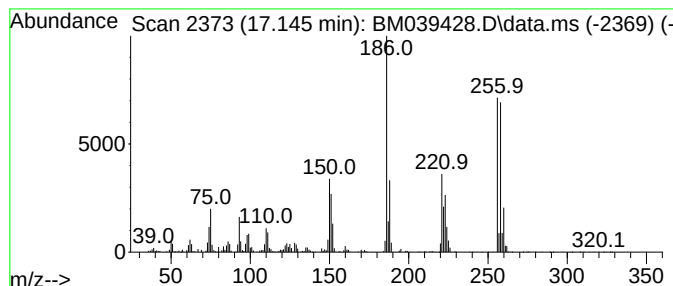
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 1,1'-Biphenyl, 2,2',5-trich... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.145	8.12 ng	1305540	Phenanthrene-d10	17.268

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5-trichloro-	256	C12H7Cl3	037680-65-2	99		
2	1,1'-Biphenyl, 2,2',6-trichloro-	256	C12H7Cl3	038444-73-4	98		
3	2,2',4-Trichloro-1,1'-biphenyl	256	C12H7Cl3	037680-66-3	97		
4	2,2',3-Trichloro-1,1'-biphenyl	256	C12H7Cl3	038444-78-9	97		
5	1,1'-Biphenyl, 2,3,3'-trichloro-	256	C12H7Cl3	038444-84-7	97		



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041323\
Data File : BM039428.D
Acq On : 14 Apr 2023 01:50
Operator : CG/JU
Sample : 02305-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

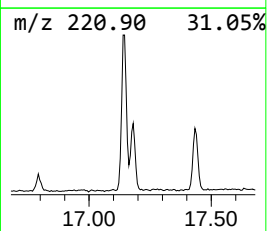
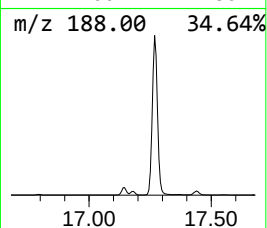
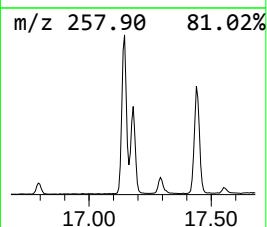
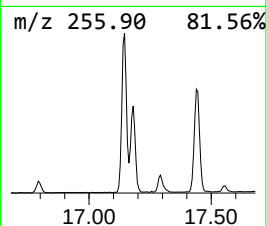
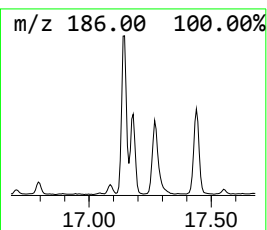
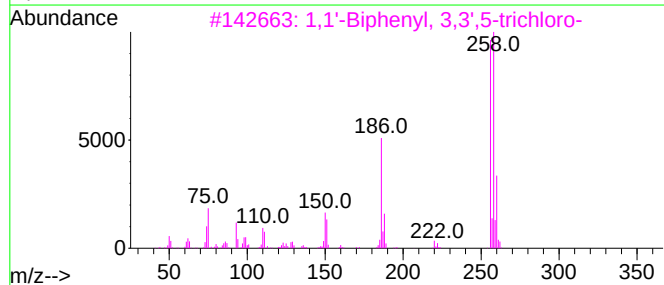
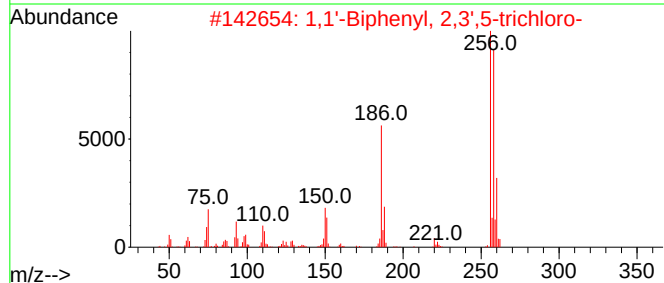
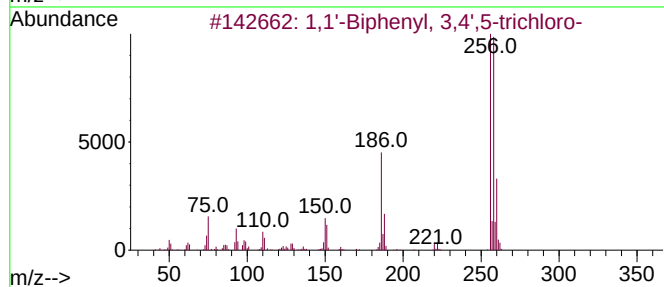
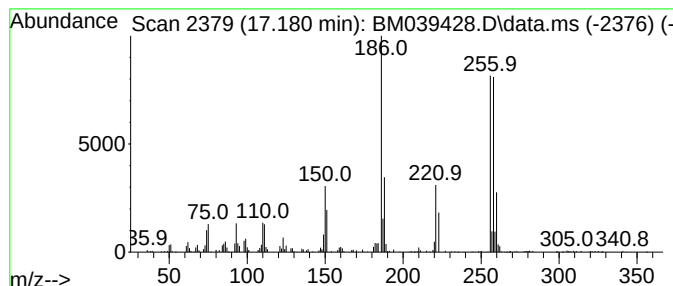
Instrument :
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ClientSampleId :
VNJ-232

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
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, 3,4',5-trich... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.180	4.02 ng	646979	Phenanthrene-d10	17.268	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3,4',5-trichloro-	256	C12H7Cl3	038444-88-1	99
2	1,1'-Biphenyl, 2,3',5-trichloro-	256	C12H7Cl3	038444-81-4	99
3	1,1'-Biphenyl, 3,3',5-trichloro-	256	C12H7Cl3	038444-87-0	99
4	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	99
5	2,4',6-Trichloro-1,1'-biphenyl	256	C12H7Cl3	038444-77-8	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041323\
Data File : BM039428.D
Acq On : 14 Apr 2023 01:50
Operator : CG/JU
Sample : 02305-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

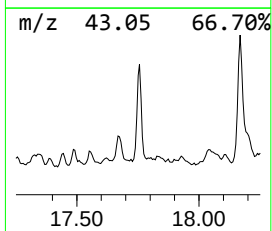
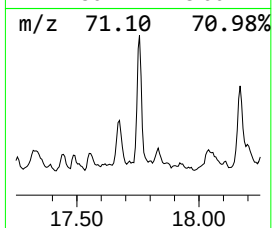
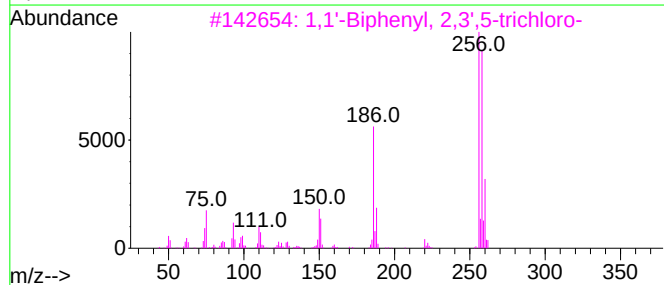
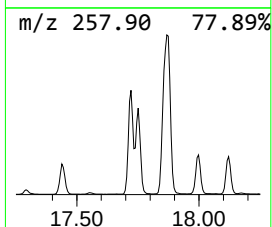
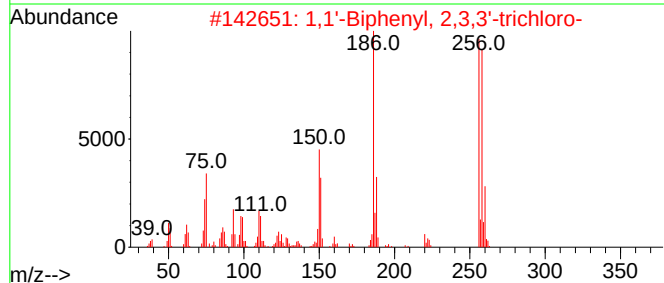
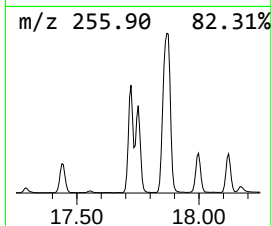
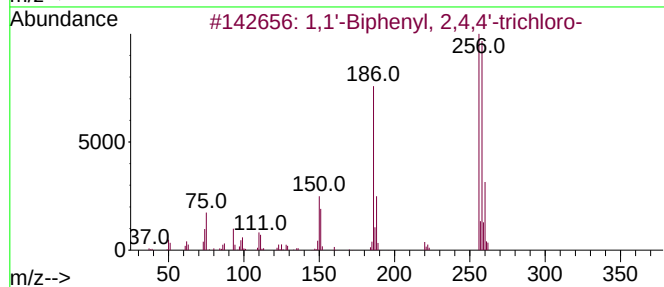
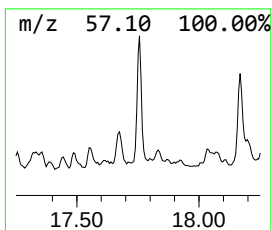
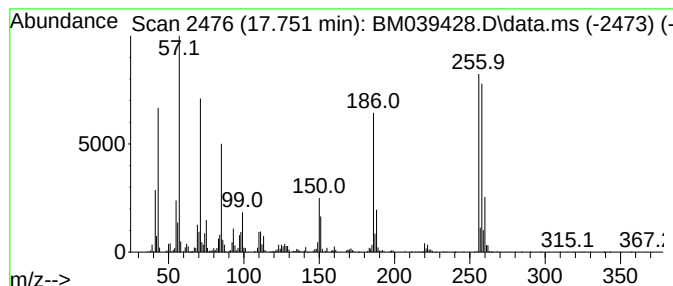
Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD		R.T.	
17.751	11.79 ng	1894990	Phenanthrene-d10		17.268	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4,4'-trichloro-		256	C12H7Cl3	007012-37-5	99
2	1,1'-Biphenyl, 2,3,3'-trichloro-		256	C12H7Cl3	038444-84-7	99
3	1,1'-Biphenyl, 2,3',5-trichloro-		256	C12H7Cl3	038444-81-4	99
4	1,1'-Biphenyl, 2,3,4'-Trichloro-		256	C12H7Cl3	038444-85-8	99
5	1,1'-Biphenyl, 2,3,6-trichloro-		256	C12H7Cl3	055702-45-9	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041323\
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Sample : 02305-01 5X
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ALS Vial : 19 Sample Multiplier: 1

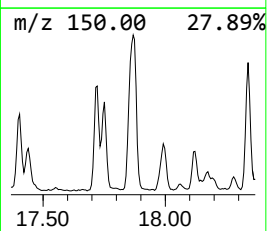
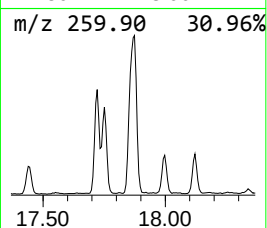
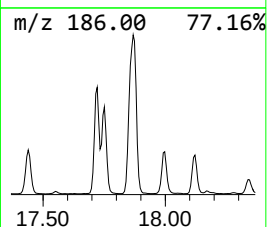
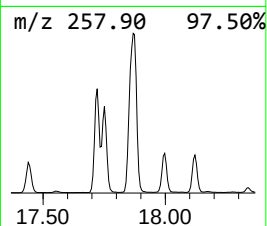
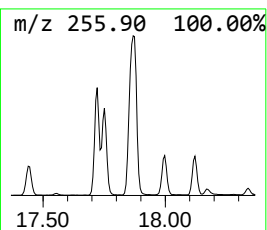
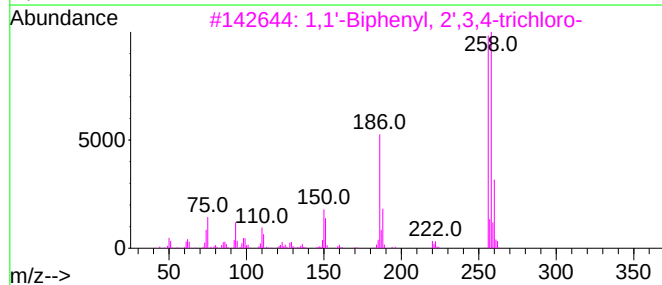
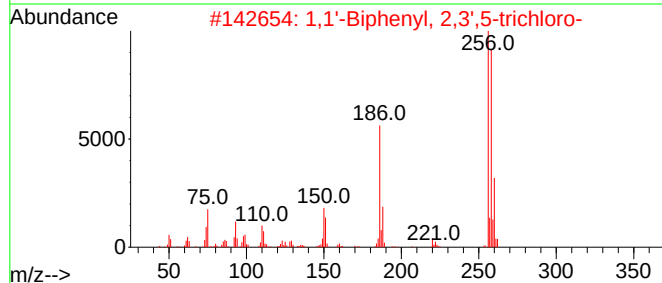
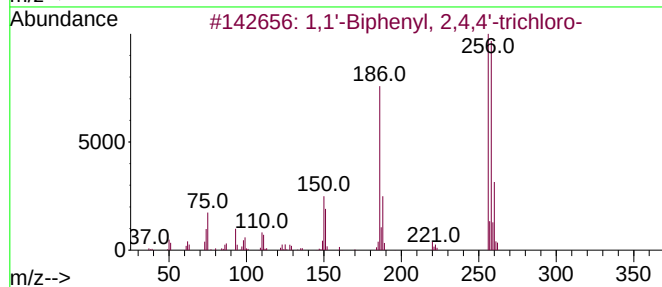
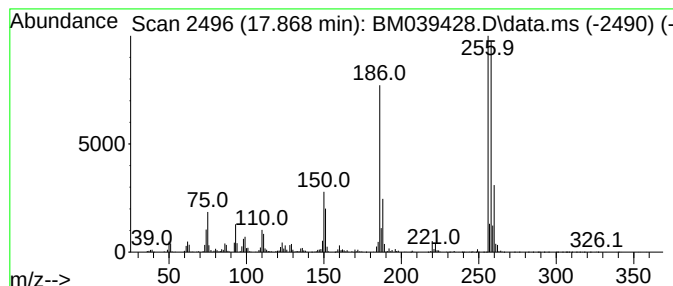
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.868	26.32 ng	4230860	Phenanthrene-d10	17.268	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99
2	1,1'-Biphenyl, 2,3',5-trichloro-	256	C12H7Cl3	038444-81-4	99
3	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	99
4	1,1'-Biphenyl, 2,3,4-trichloro-	256	C12H7Cl3	055702-46-0	99
5	1,1'-Biphenyl, 3,4',5-trichloro-	256	C12H7Cl3	038444-88-1	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041323\
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Operator : CG/JU
Sample : 02305-01 5X
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ALS Vial : 19 Sample Multiplier: 1

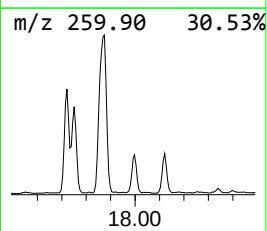
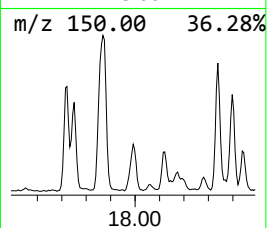
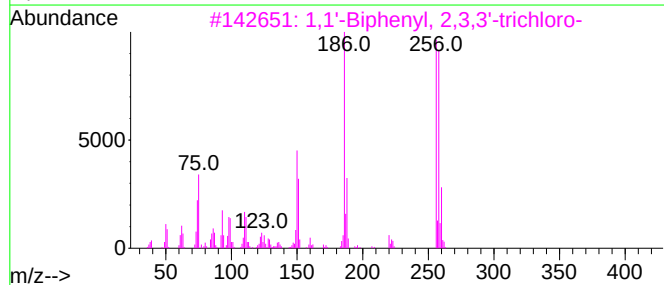
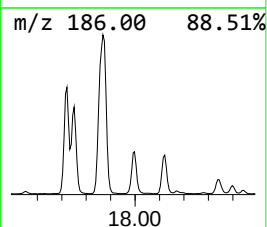
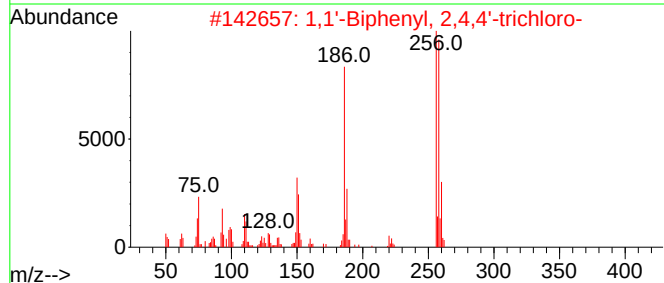
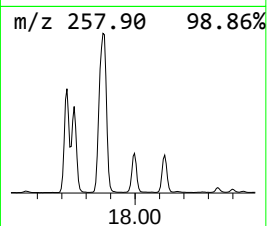
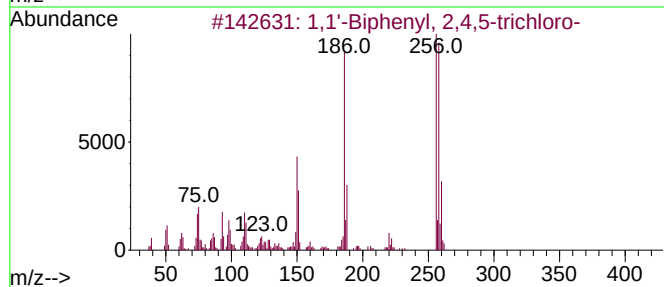
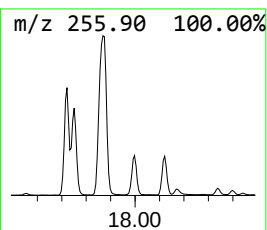
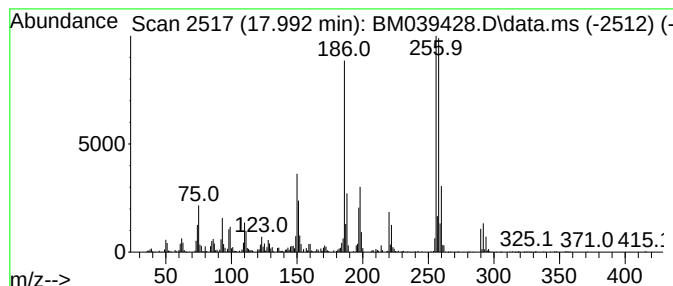
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 1,1'-Biphenyl, 2,4,5-trichl... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
17.992	6.72 ng	1080870	Phenanthrene-d10	17.268	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4,5-trichloro-	256	C12H7Cl3	015862-07-4	99
2	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99
3	1,1'-Biphenyl, 2,3,3'-trichloro-	256	C12H7Cl3	038444-84-7	99
4	1,1'-Biphenyl, 2,3,4'-Trichloro-	256	C12H7Cl3	038444-85-8	99
5	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041323\
Data File : BM039428.D
Acq On : 14 Apr 2023 01:50
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Misc :
ALS Vial : 19 Sample Multiplier: 1

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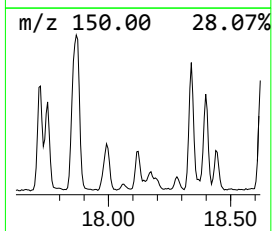
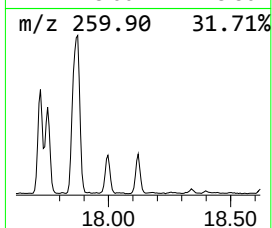
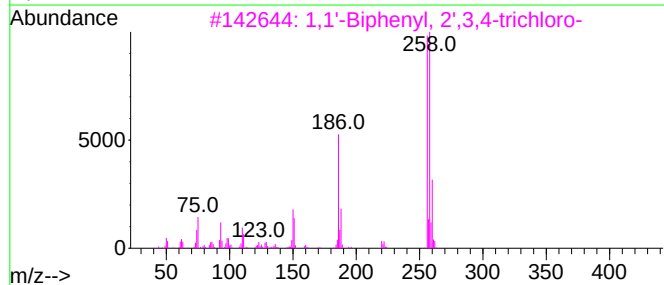
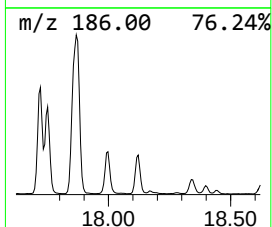
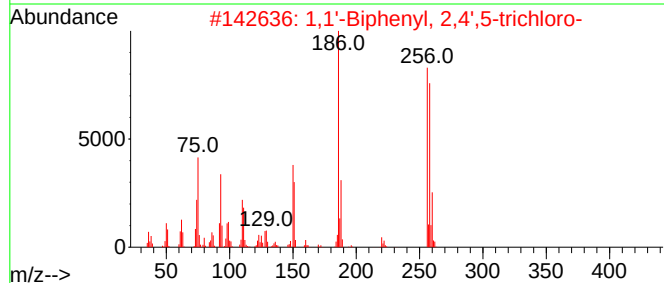
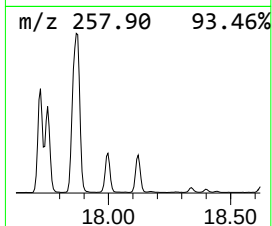
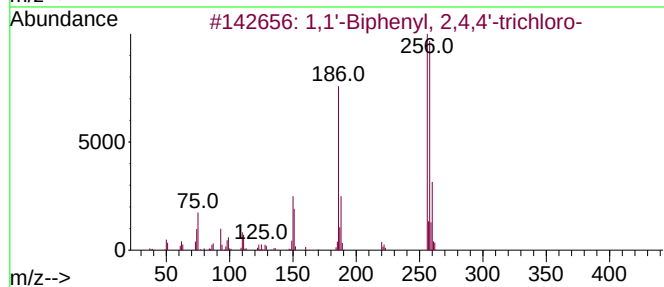
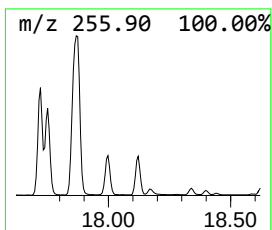
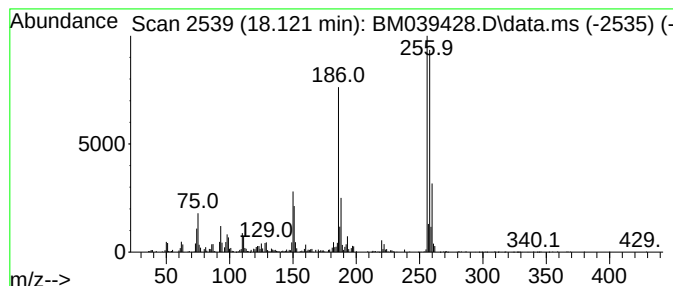
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 1,1'-Biphenyl, 2,3,3'-trichloro... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.121	4.46 ng	717203	Phenanthrene-d10	17.268

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4,4'-trichloro-	256	C12H7Cl3	007012-37-5	99	
2	1,1'-Biphenyl, 2,4',5-trichloro-	256	C12H7Cl3	016606-02-3	99	
3	1,1'-Biphenyl, 2',3,4-trichloro-	256	C12H7Cl3	038444-86-9	99	
4	1,1'-Biphenyl, 3,4',5-trichloro-	256	C12H7Cl3	038444-88-1	99	
5	1,1'-Biphenyl, 2,3,3'-trichloro-	256	C12H7Cl3	038444-84-7	99	



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041323\
Data File : BM039428.D
Acq On : 14 Apr 2023 01:50
Operator : CG/JU
Sample : 02305-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

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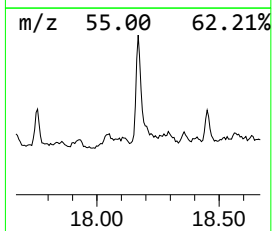
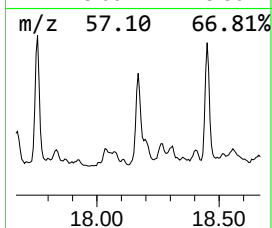
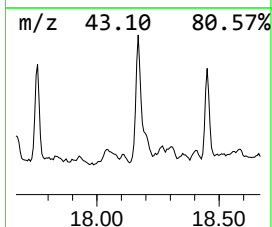
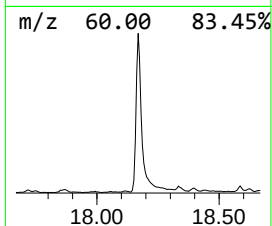
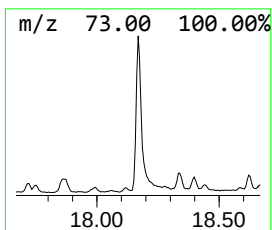
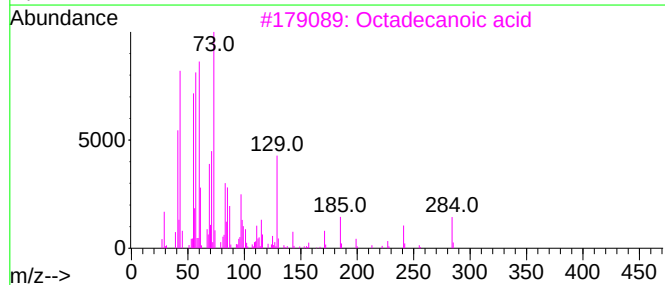
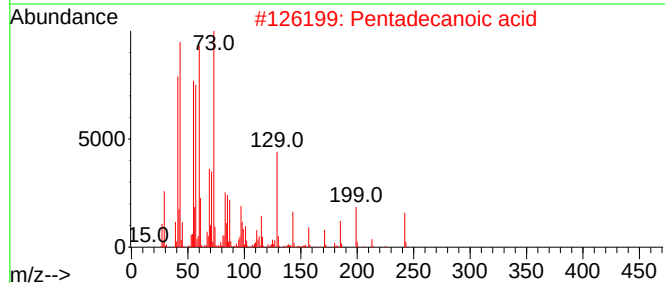
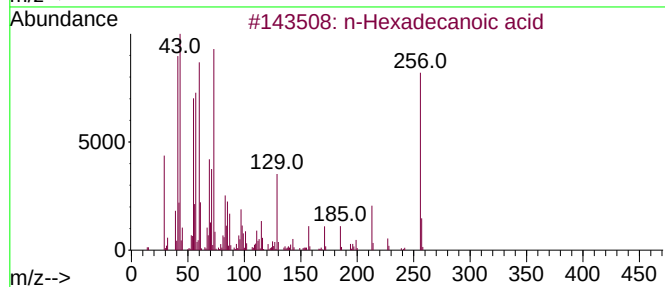
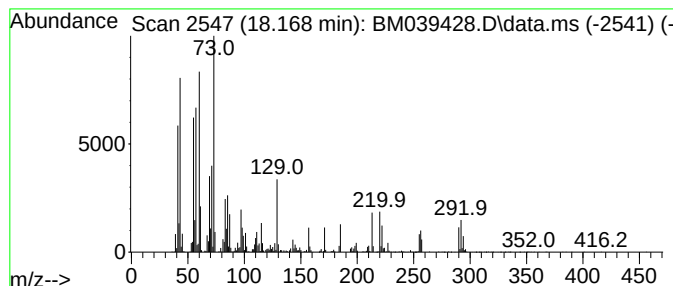
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.168	13.08 ng	2102230	Phenanthrene-d10	17.268

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2		Pentadecanoic acid	242	C15H30O2	001002-84-2	81
3		Octadecanoic acid	284	C18H36O2	000057-11-4	81
4		Tridecanoic acid	214	C13H26O2	000638-53-9	74
5		Tetradecanoic acid	228	C14H28O2	000544-63-8	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041323\
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Acq On : 14 Apr 2023 01:50
Operator : CG/JU
Sample : 02305-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

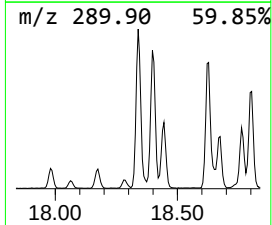
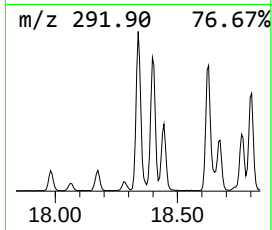
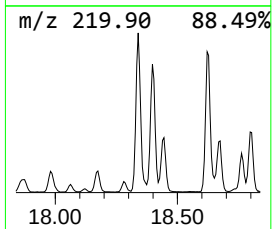
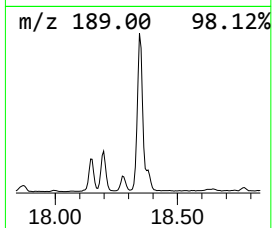
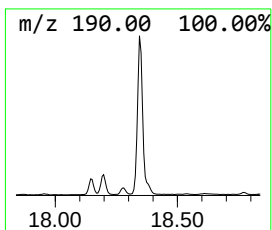
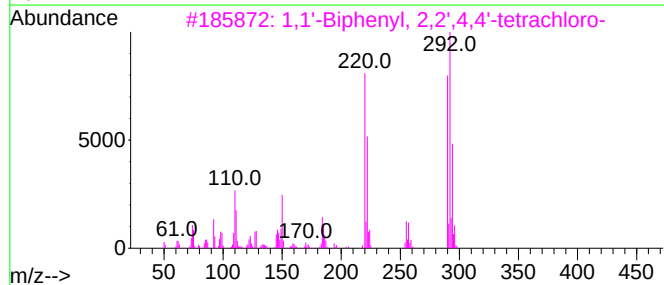
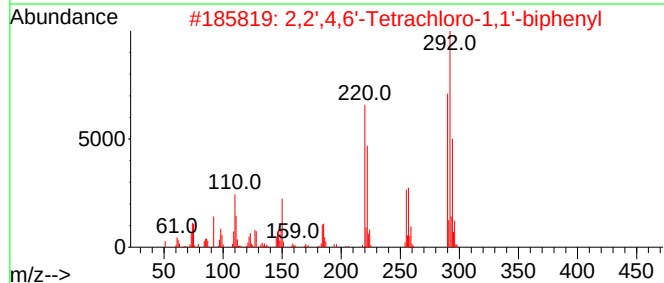
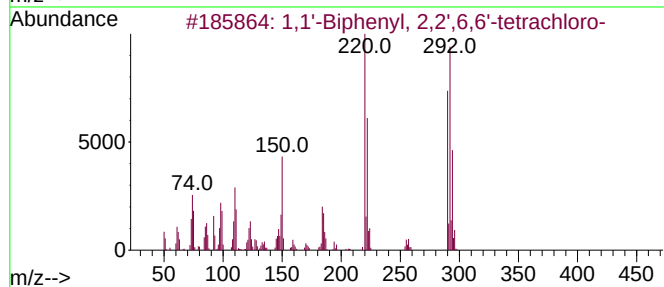
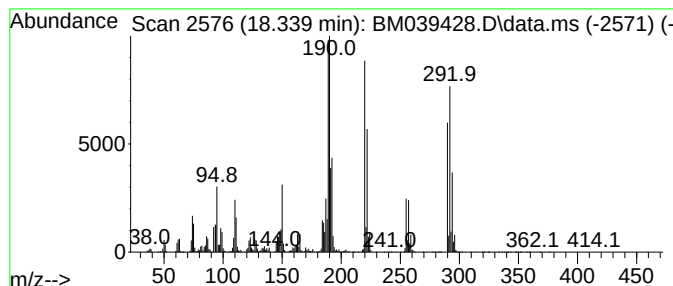
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.339	26.81 ng	4310160	Phenanthrene-d10	17.268	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	97
2	2,2',4,6'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	068194-04-7	97
3	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	97
4	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	97
5	1,1'-Biphenyl, 2,2',3,4'-tetrach...	290	C12H6Cl4	036559-22-5	97



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041323\
Data File : BM039428.D
Acq On : 14 Apr 2023 01:50
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ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VNJ-232

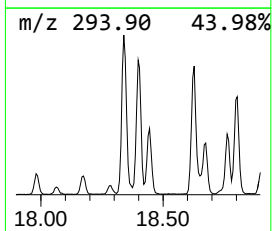
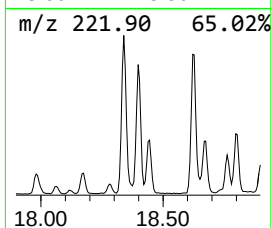
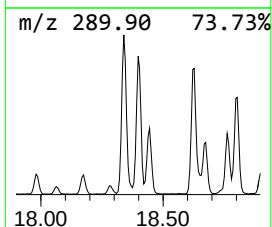
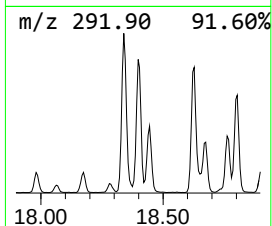
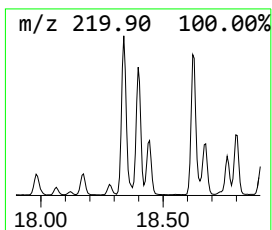
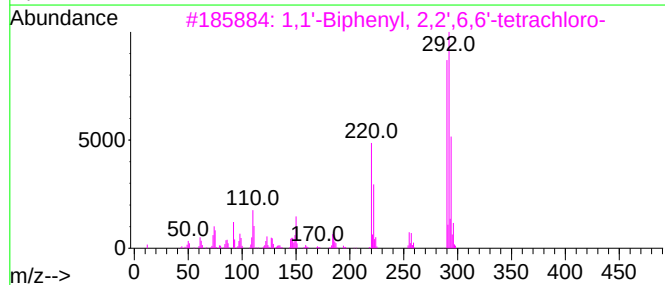
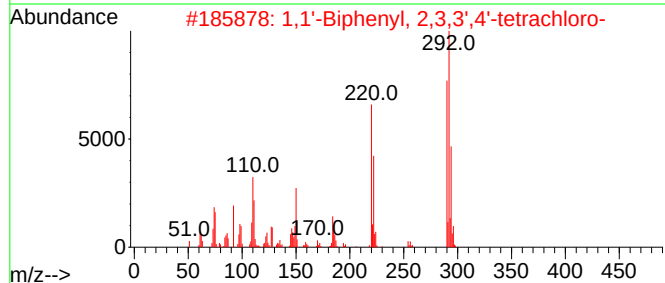
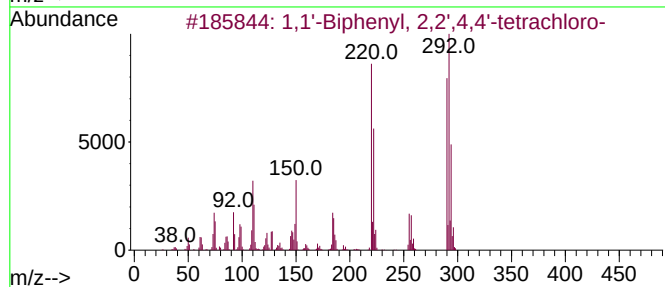
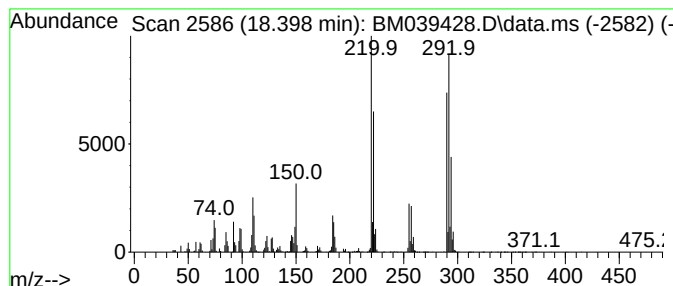
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.398	13.29 ng	2136880	Phenanthrene-d10	17.268

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99		
2	1,1'-Biphenyl, 2,3,3',4'-tetrach...	290	C12H6Cl4	041464-43-1	99		
3	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99		
4	2,2',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-47-9	99		
5	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	99		



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041323\
Data File : BM039428.D
Acq On : 14 Apr 2023 01:50
Operator : CG/JU
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Misc :
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ClientSampleId :
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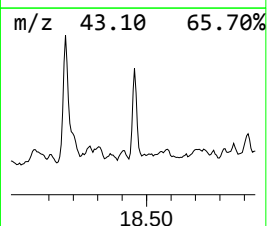
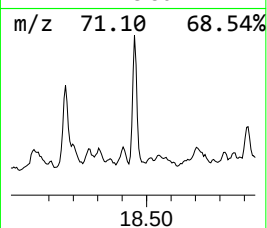
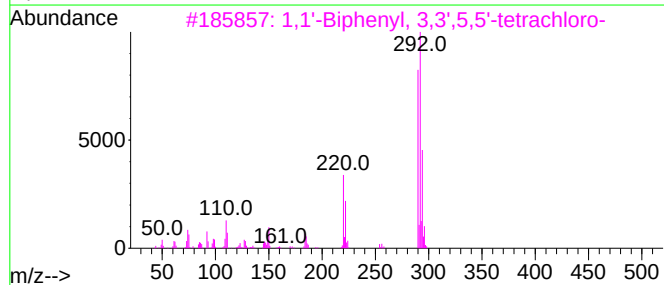
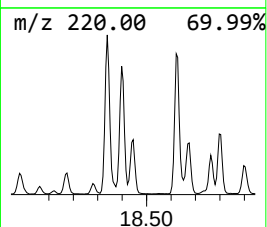
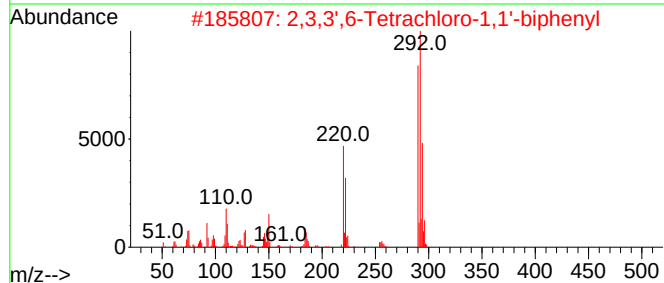
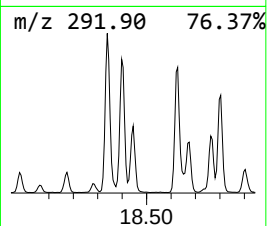
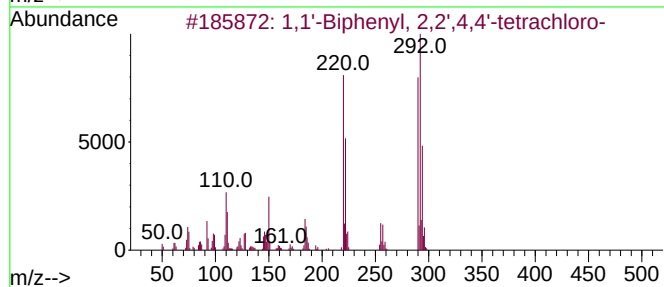
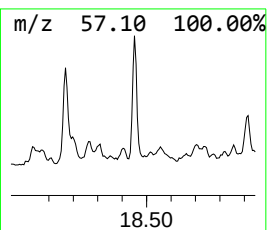
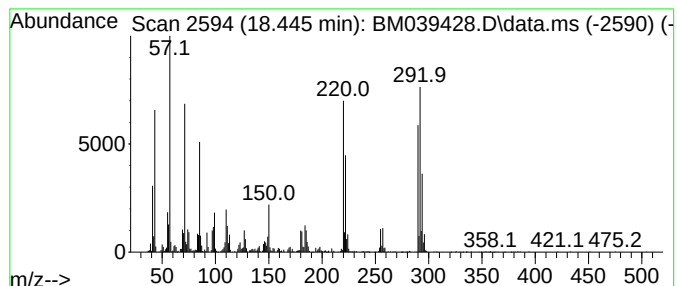
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 2,3,3',6-Tetrachloro-1,1'-b... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.445	9.02 ng	1450110	Phenanthrene-d10	17.268

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	99		
2	2,3,3',6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	074472-33-6	99		
3	1,1'-Biphenyl, 3,3',5,5'-tetrach...	290	C12H6Cl4	033284-52-5	99		
4	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99		
5	1,1'-Biphenyl, 2,3',4,6-Tetrachl...	290	C12H6Cl4	060233-24-1	99		



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041323\
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Sample : 02305-01 5X
Misc :
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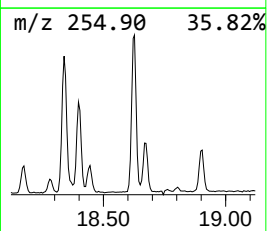
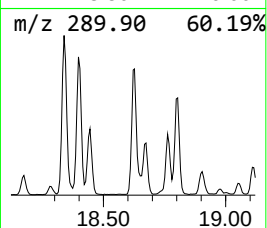
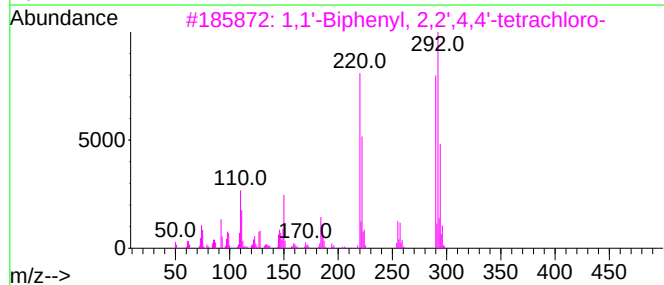
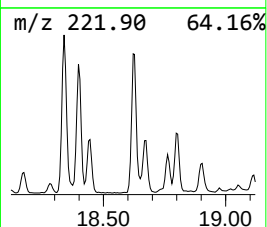
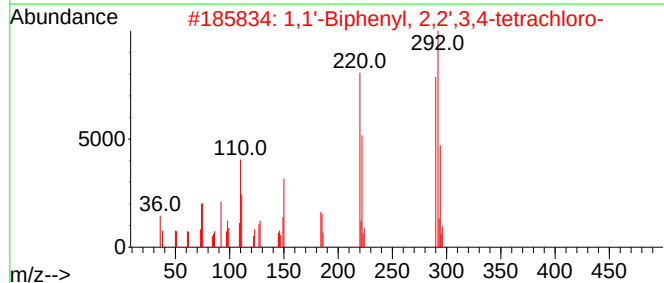
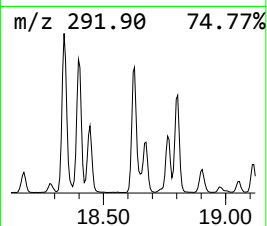
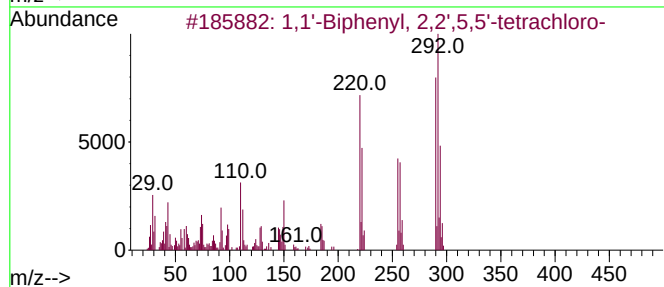
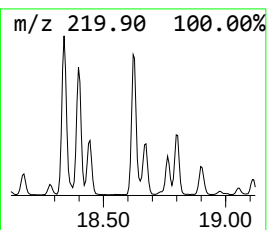
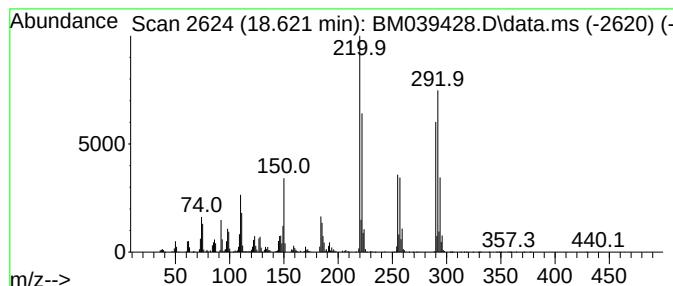
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD		R.T.	
18.621	14.42 ng	2318020	Phenanthrene-d10		17.268	
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',5,5'-tetrachloro-		290	C12H6Cl4	035693-99-3	99
2	1,1'-Biphenyl, 2,2',3,4-tetrachloro-		290	C12H6Cl4	052663-59-9	99
3	1,1'-Biphenyl, 2,2',4,4'-tetrachloro-		290	C12H6Cl4	002437-79-8	99
4	1,1'-Biphenyl, 2,2',3,5'-tetrachloro-		290	C12H6Cl4	041464-39-5	99
5	2,2',3,6-Tetrachloro-1,1'-biphenyl		290	C12H6Cl4	070362-45-7	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041323\
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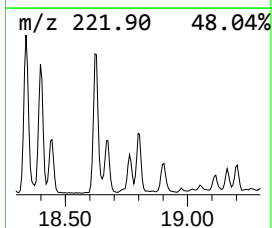
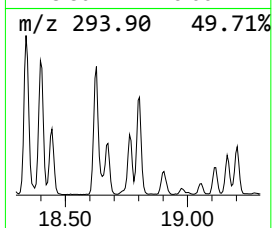
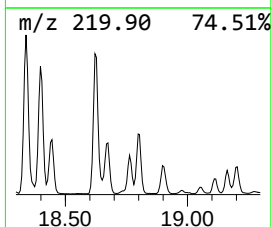
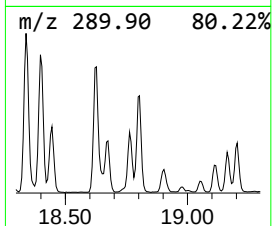
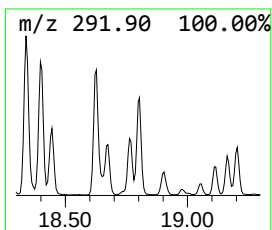
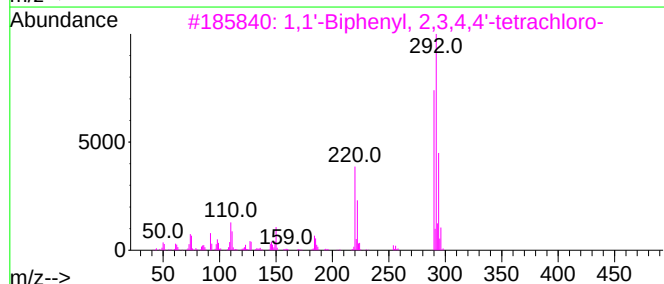
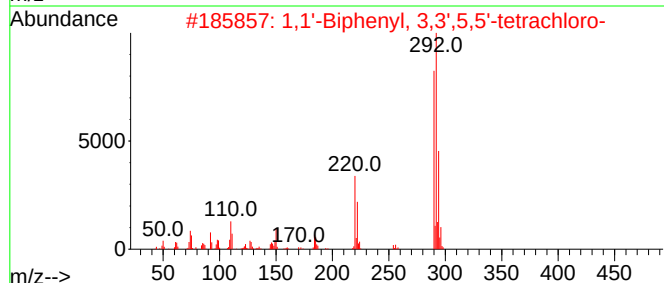
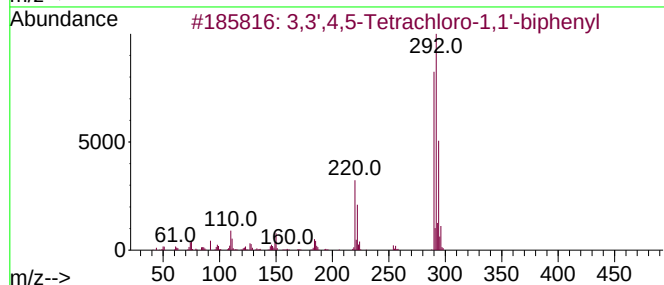
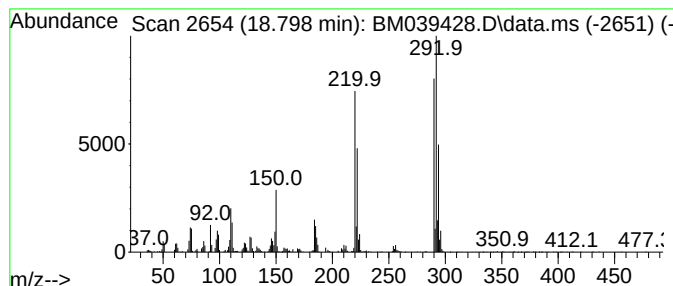
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.798	5.96 ng	958702	Phenanthrene-d10	17.268	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,3',4,5-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-49-1	99
2	1,1'-Biphenyl, 3,3',5,5'-tetrach...	290	C12H6Cl4	033284-52-5	99
3	1,1'-Biphenyl, 2,3,4,4'-tetrachl...	290	C12H6Cl4	033025-41-1	99
4	2,3',4,5'-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	073575-52-7	99
5	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	99



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041323\
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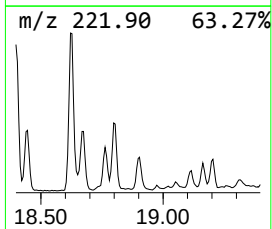
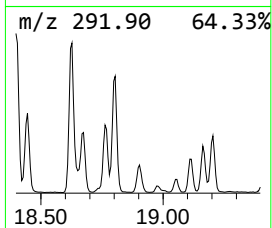
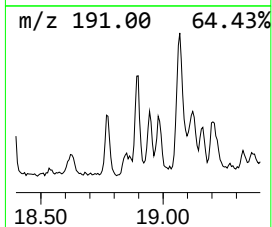
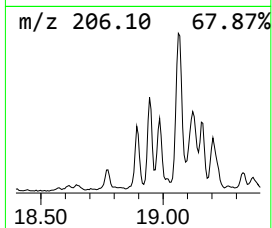
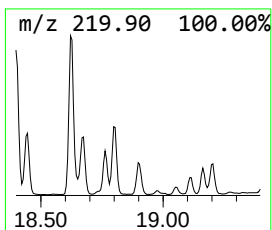
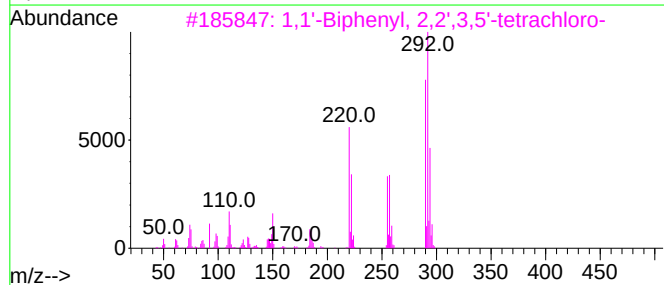
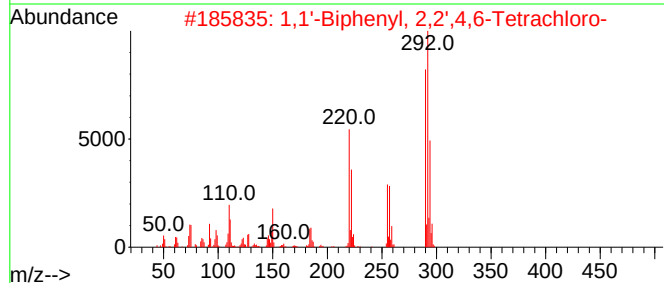
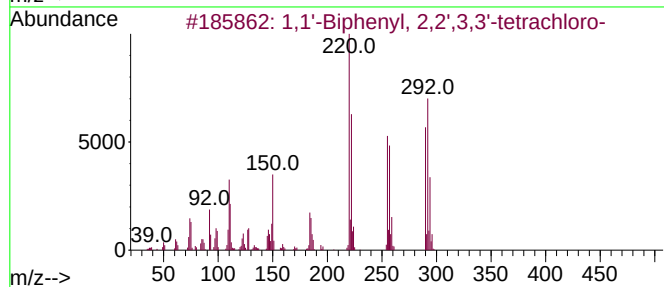
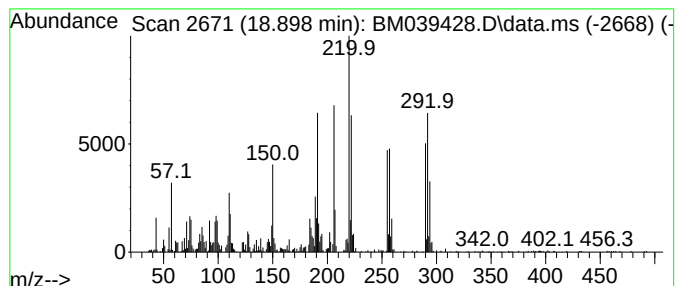
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 1,1'-Biphenyl, 2,2',3,3'-te... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD			R.T.
18.898	4.06 ng	652394	Phenanthrene-d10			17.268
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1,1'-Biphenyl, 2,2',3,3'-tetrach...	290	C12H6Cl4	038444-93-8	99
2		1,1'-Biphenyl, 2,2',4,6-Tetrachl...	290	C12H6Cl4	062796-65-0	99
3		1,1'-Biphenyl, 2,2',3,5'-tetrach...	290	C12H6Cl4	041464-39-5	99
4		1,1'-Biphenyl, 2,2',5,6'-Tetrach...	290	C12H6Cl4	041464-41-9	99
5		2,2',3,6-Tetrachloro-1,1'-biphenyl	290	C12H6Cl4	070362-45-7	99



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Acq On : 14 Apr 2023 01:50
Operator : CG/JU
Sample : 02305-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
VNJ-232

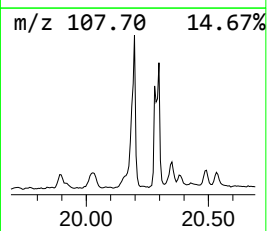
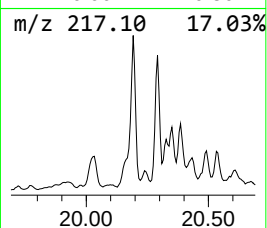
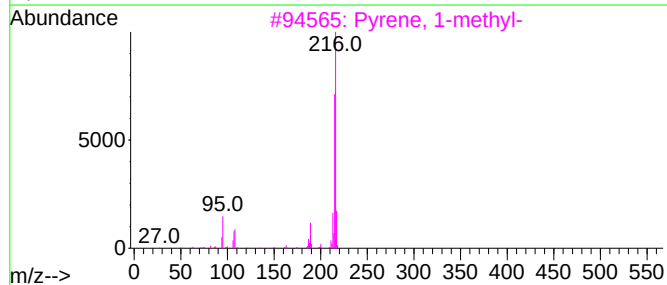
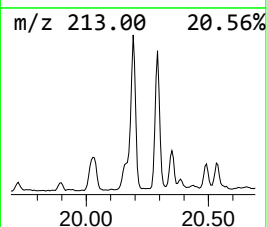
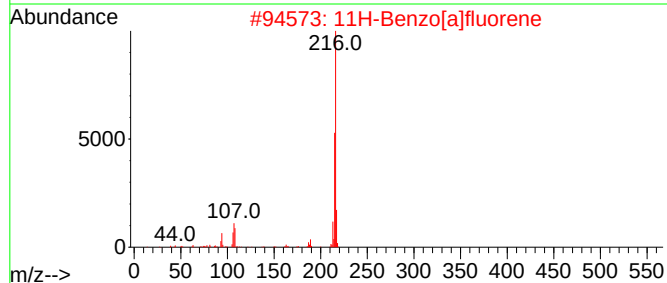
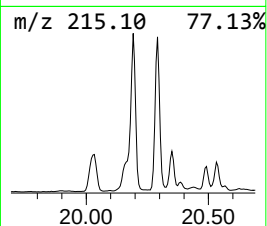
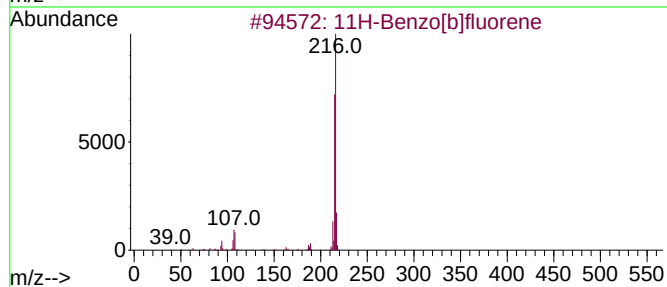
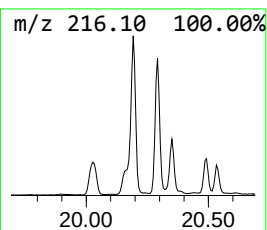
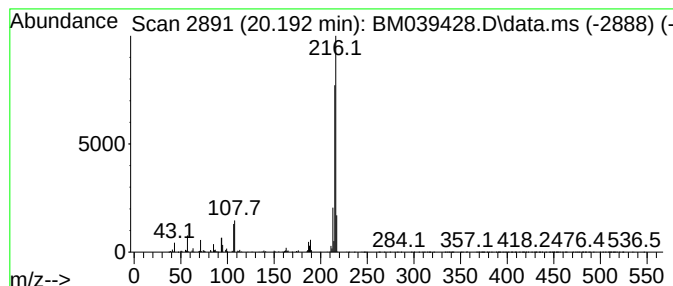
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.192	5.05 ng	2326920	Chrysene-d12	21.462

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
3		Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041323\
Data File : BM039428.D
Acq On : 14 Apr 2023 01:50
Operator : CG/JU
Sample : 02305-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
VNJ-232

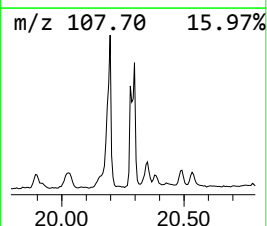
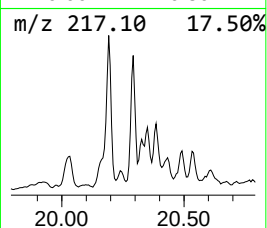
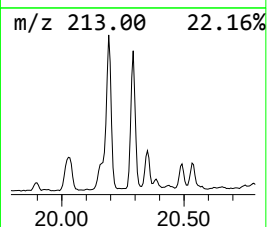
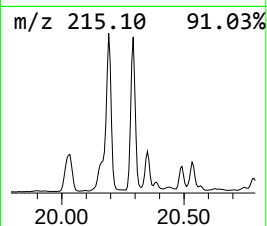
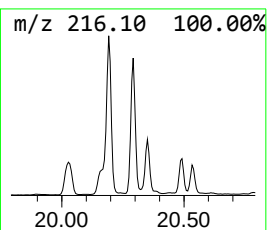
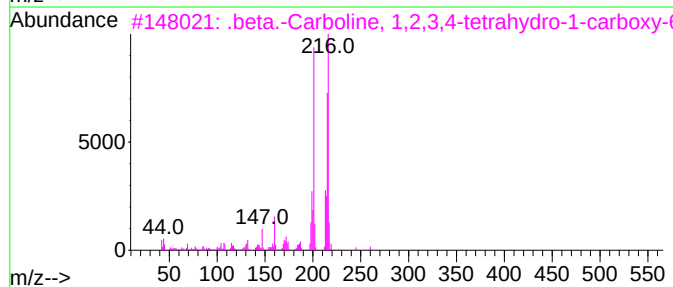
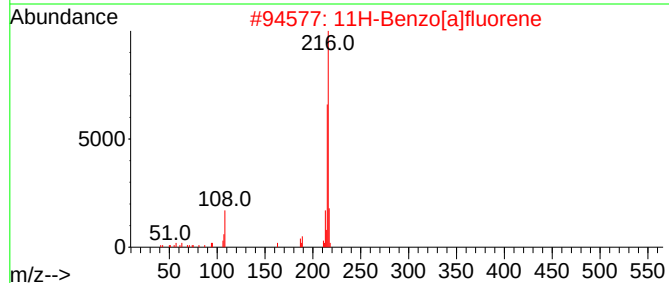
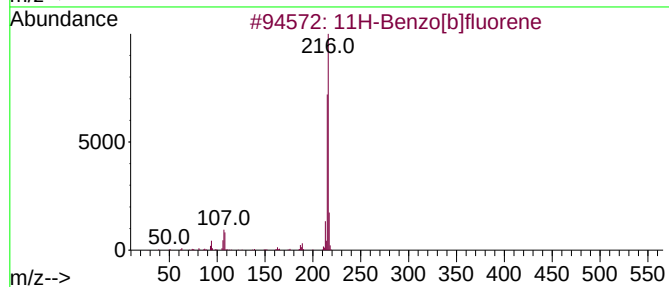
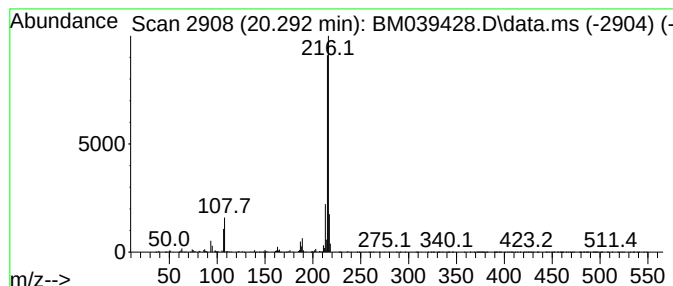
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 11H-Benzo[a]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.292	4.26 ng	1960300	Chrysene-d12	21.462

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	92
3		.beta.-Carboline, 1,2,3,4-tetrahydro-1-carboxy-	260	C14H16N2O3	029573-11-3	72
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
5		Pyrene, 1-methyl-	216	C17H12	002381-21-7	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041323\
Data File : BM039428.D
Acq On : 14 Apr 2023 01:50
Operator : CG/JU
Sample : 02305-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
VNJ-232

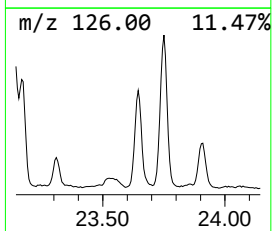
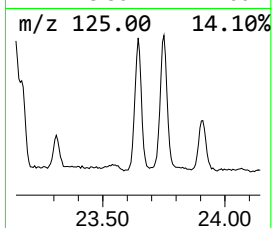
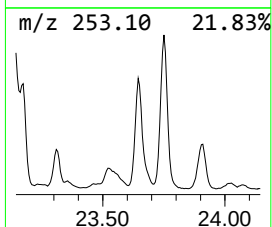
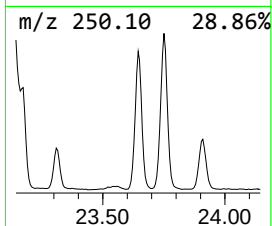
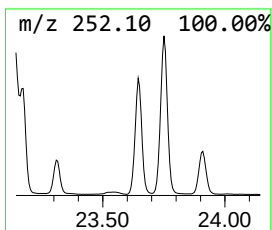
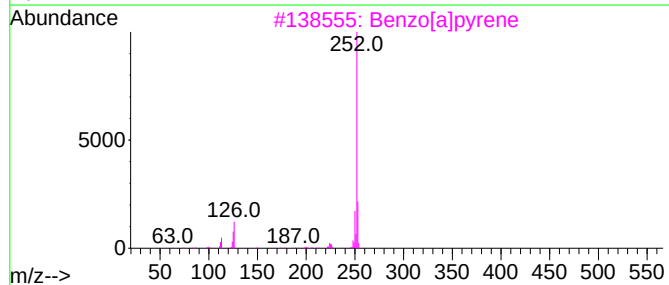
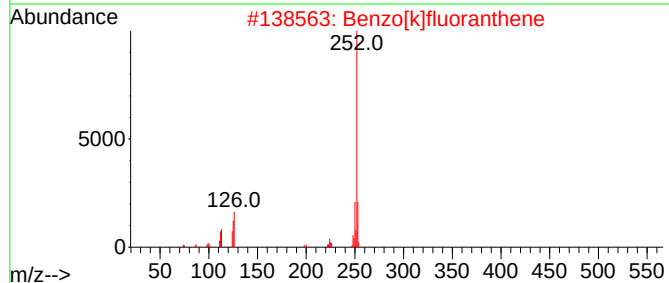
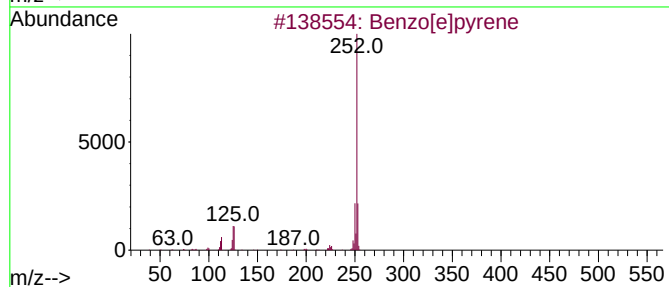
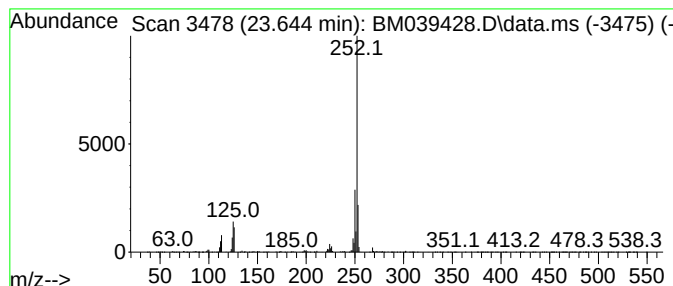
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.645	11.96 ng	2825910	Perylene-d12	23.856

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	99
2			Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3			Benzo[a]pyrene	252	C20H12	000050-32-8	97
4			Perylene	252	C20H12	000198-55-0	95
5			Benzo[b]fluoranthene	252	C20H12	000205-99-2	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041323\
Data File : BM039428.D
Acq On : 14 Apr 2023 01:50
Operator : CG/JU
Sample : 02305-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
VNJ-232

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032923.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
Undecane, 3,5-d...	15.763	4.9	ng	693908	3	14.516	2851990	20.0
Heptadecane	16.221	4.4	ng	709000	4	17.268	3214820	20.0
Octadecane	17.015	5.4	ng	873256	4	17.268	3214820	20.0
Hexadecane, 2,6...	17.068	9.3	ng	1493960	4	17.268	3214820	20.0
1,1'-Biphenyl, ...	17.145	8.1	ng	1305540	4	17.268	3214820	20.0
1,1'-Biphenyl, ...	17.180	4.0	ng	646979	4	17.268	3214820	20.0
1,1'-Biphenyl, ...	17.751	11.8	ng	1894990	4	17.268	3214820	20.0
1,1'-Biphenyl, ...	17.868	26.3	ng	4230860	4	17.268	3214820	20.0
1,1'-Biphenyl, ...	17.992	6.7	ng	1080870	4	17.268	3214820	20.0
1,1'-Biphenyl, ...	18.121	4.5	ng	717203	4	17.268	3214820	20.0
n-Hexadecanoic ...	18.168	13.1	ng	2102230	4	17.268	3214820	20.0
1,1'-Biphenyl, ...	18.339	26.8	ng	4310160	4	17.268	3214820	20.0
1,1'-Biphenyl, ...	18.398	13.3	ng	2136880	4	17.268	3214820	20.0
2,3,3',6-Tetrac...	18.445	9.0	ng	1450110	4	17.268	3214820	20.0
1,1'-Biphenyl, ...	18.621	14.4	ng	2318020	4	17.268	3214820	20.0
3,3',4,5-Tetrac...	18.798	6.0	ng	958702	4	17.268	3214820	20.0
1,1'-Biphenyl, ...	18.898	4.1	ng	652394	4	17.268	3214820	20.0
11H-Benzo[b]flu...	20.192	5.0	ng	2326920	5	21.462	9207690	20.0
11H-Benzo[a]flu...	20.292	4.3	ng	1960300	5	21.462	9207690	20.0
Benzo[e]pyrene	23.645	12.0	ng	2825910	6	23.856	4725640	20.0