

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051922\
 Data File : BM035163.D
 Acq On : 19 May 2022 21:34
 Operator : CG/JU
 Sample : N2889-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D2321-22-SOIL

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-BM042722.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM035163.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.016	323	328	334	rBV	51431	77074	1.38%	0.149%
2	5.481	400	407	424	rBV	2431863	3579066	63.93%	6.902%
3	7.075	669	678	692	rBV	2375038	3800788	67.89%	7.329%
4	7.904	811	819	827	rVB	605796	949884	16.97%	1.832%
5	9.063	1009	1016	1023	rVB	1481548	2360902	42.17%	4.553%
6	9.628	1106	1112	1119	rBV6	38506	68928	1.23%	0.133%
7	9.892	1152	1157	1165	rBV5	48364	89349	1.60%	0.172%
8	10.704	1286	1295	1302	rBV	762466	1358668	24.27%	2.620%
9	10.881	1321	1325	1330	rVB	67648	91197	1.63%	0.176%
10	11.210	1377	1381	1387	rVB3	45672	63327	1.13%	0.122%
11	11.404	1405	1414	1422	rVB9	59369	203327	3.63%	0.392%
12	11.498	1423	1430	1434	rBV7	34506	78517	1.40%	0.151%
13	11.751	1468	1473	1481	rBV2	144851	313797	5.60%	0.605%
14	11.904	1491	1499	1503	rBV6	59013	119504	2.13%	0.230%
15	12.004	1512	1516	1520	rBV2	55668	81894	1.46%	0.158%
16	12.363	1575	1577	1585	rVB3	106551	152701	2.73%	0.294%
17	12.469	1587	1595	1599	rBV6	49749	152087	2.72%	0.293%
18	12.580	1610	1614	1618	rBV5	52702	88461	1.58%	0.171%
19	12.622	1618	1621	1625	rVB5	57115	74984	1.34%	0.145%
20	12.839	1654	1658	1663	rBV5	44387	81419	1.45%	0.157%
21	13.092	1697	1701	1706	rVB2	242555	342506	6.12%	0.660%
22	13.169	1707	1714	1720	rBV	3194858	4647446	83.01%	8.962%
23	13.333	1739	1742	1745	rBV2	115634	166078	2.97%	0.320%
24	13.439	1757	1760	1762	rBV3	45725	62244	1.11%	0.120%
25	13.480	1763	1767	1774	rVB3	104768	191155	3.41%	0.369%
26	13.704	1802	1805	1812	rBV3	80061	142250	2.54%	0.274%
27	13.822	1821	1825	1828	rBV5	69662	125144	2.24%	0.241%
28	13.869	1830	1833	1837	rVB2	107206	155312	2.77%	0.299%
29	13.916	1837	1841	1845	rVB2	111010	154815	2.77%	0.299%
30	13.969	1847	1850	1853	rBV2	176644	233840	4.18%	0.451%
31	14.039	1858	1862	1867	rBV2	337399	439301	7.85%	0.847%
32	14.263	1895	1900	1902	rBV3	73594	149665	2.67%	0.289%
33	14.380	1917	1920	1927	rVB4	185027	324209	5.79%	0.625%
34	14.539	1940	1947	1953	rBV	1108717	1749148	31.24%	3.373%
35	15.074	2035	2038	2047	rVB9	145433	240658	4.30%	0.464%
36	15.163	2049	2053	2057	rBV2	127504	238796	4.27%	0.460%

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

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37	15.586	2122	2125	2128	rVB4	92840	109883	1.96%	0.212%
38	15.639	2129	2134	2137	rVV3	106169	187386	3.35%	0.361%
39	15.810	2158	2163	2169	rVB	420602	666481	11.90%	1.285%
40	16.027	2194	2200	2208	rVB	2699342	3829958	68.41%	7.386%
41	16.104	2210	2213	2217	rVB3	83971	117875	2.11%	0.227%
42	16.192	2225	2228	2229	rBV2	64967	72389	1.29%	0.140%
43	16.292	2237	2245	2254	rVB2	802374	1387906	24.79%	2.676%
44	16.398	2261	2263	2268	rVB	99898	129591	2.31%	0.250%
45	16.651	2302	2306	2312	rBV4	151928	311254	5.56%	0.600%
46	17.110	2380	2384	2393	rVB	528676	902698	16.12%	1.741%
47	17.286	2409	2414	2418	rBV	1241397	1740445	31.09%	3.356%
48	17.327	2418	2421	2428	rVB	336626	438826	7.84%	0.846%
49	18.192	2560	2568	2579	rVB2	501183	990325	17.69%	1.910%
50	18.351	2592	2595	2600	rVB3	141584	191876	3.43%	0.370%
51	19.080	2716	2719	2724	rVB	171656	239563	4.28%	0.462%
52	19.345	2759	2764	2771	rVB	625958	851007	15.20%	1.641%
53	19.468	2781	2785	2789	rBV	250005	315750	5.64%	0.609%
54	19.703	2818	2825	2835	rVV	547887	957858	17.11%	1.847%
55	19.786	2835	2839	2844	rVB2	122043	188670	3.37%	0.364%
56	19.909	2855	2860	2865	rVB	4768874	5598555	100.00%	10.796%
57	20.203	2906	2910	2913	rVB2	142045	183116	3.27%	0.353%
58	21.186	3073	3077	3084	rVB3	578511	696261	12.44%	1.343%
59	21.468	3119	3125	3129	rBV2	1682583	2562676	45.77%	4.942%
60	21.503	3129	3131	3139	rVB	335743	416163	7.43%	0.803%
61	22.109	3228	3234	3243	rBV3	374111	824456	14.73%	1.590%
62	23.144	3404	3410	3415	rBV2	1807652	2930353	52.34%	5.651%
63	23.850	3525	3530	3538	rVB2	967569	1867737	33.36%	3.602%

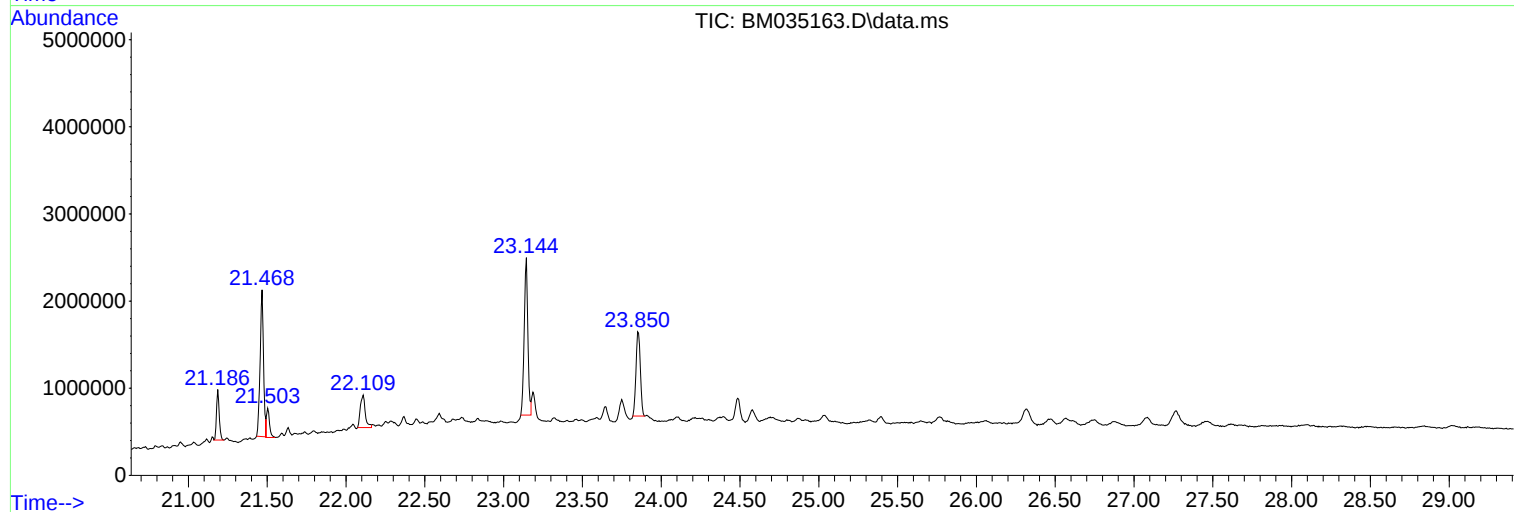
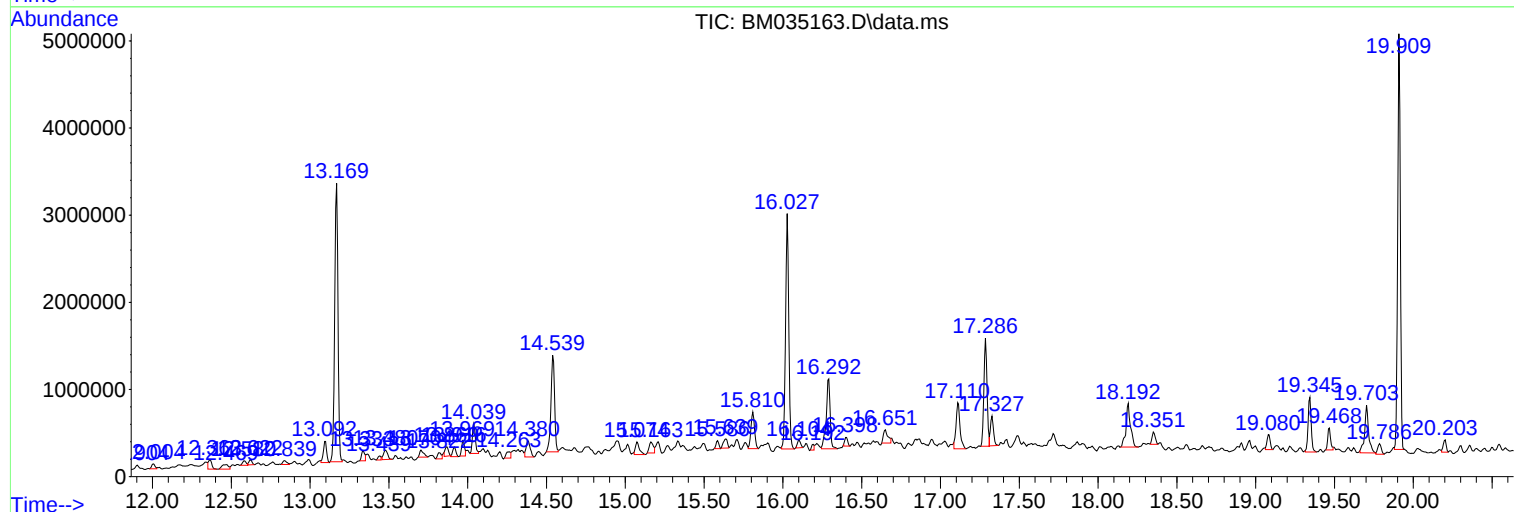
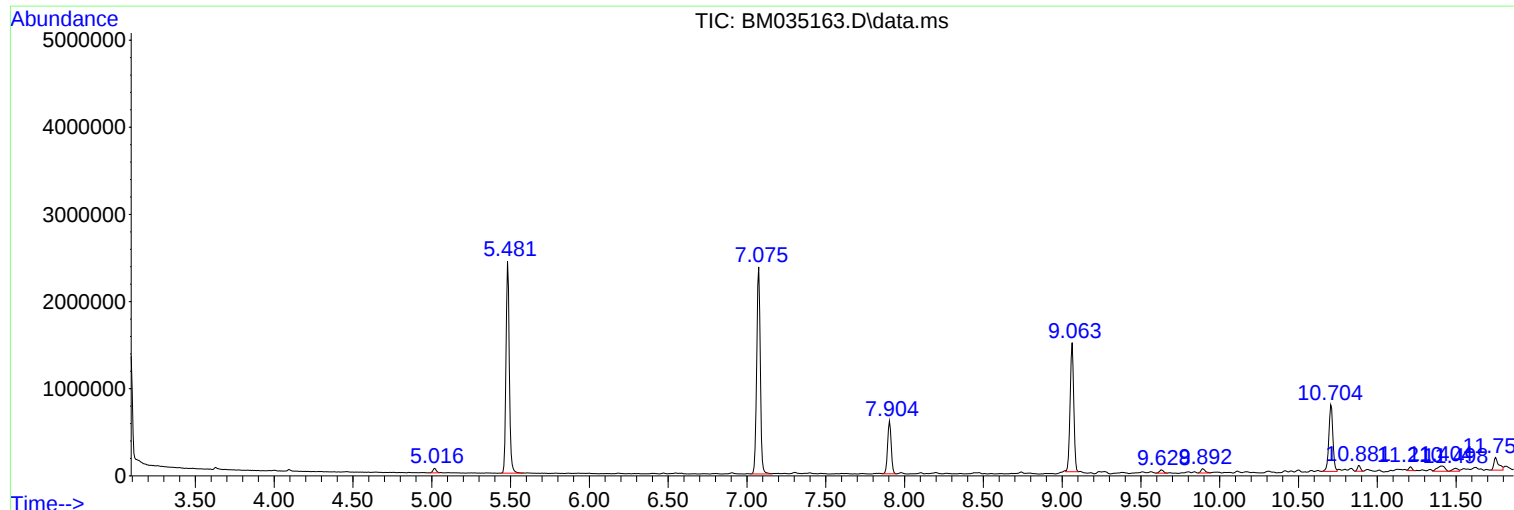
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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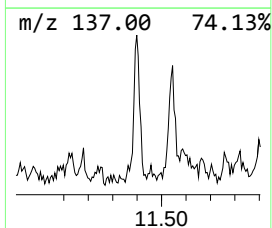
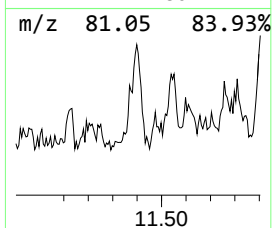
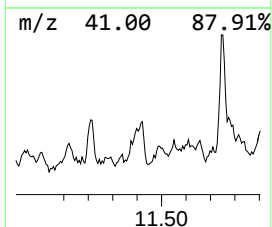
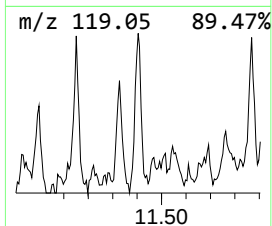
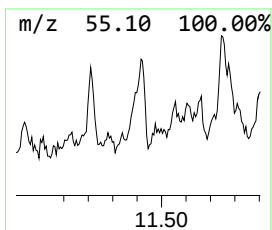
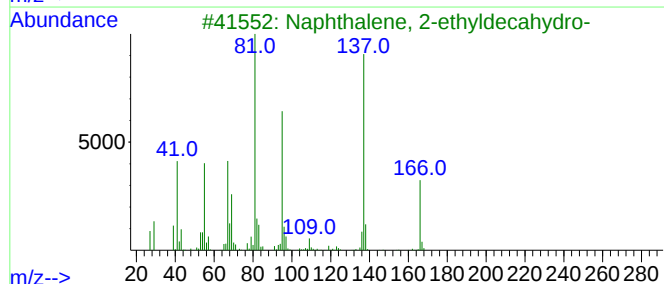
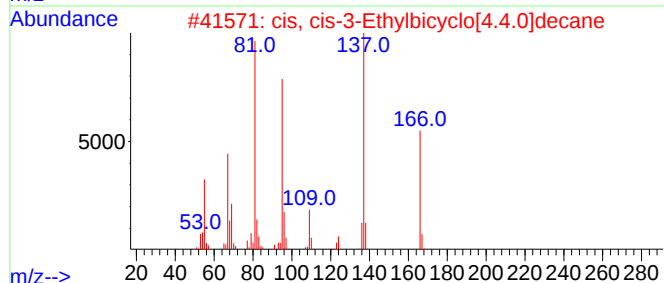
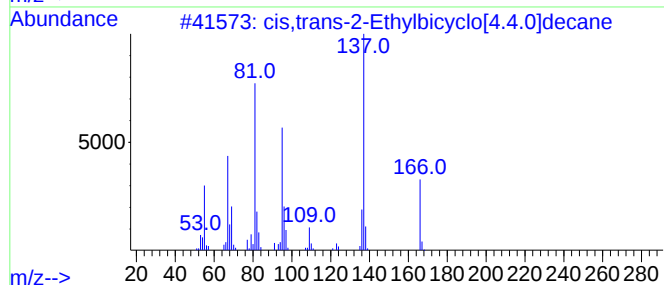
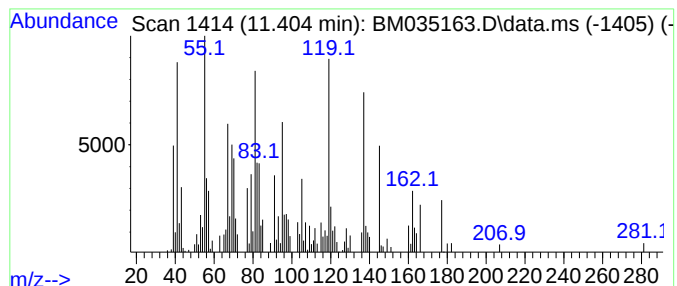
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 cis,trans-2-Ethylbicyclo[4.4.0]d... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.404	2.99 ng	203327	Naphthalene-d8	10.704

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			cis,trans-2-Ethylbicyclo[4.4.0]d...	166	C12H22	066660-38-6	50
2			cis, cis-3-Ethylbicyclo[4.4.0]de...	166	C12H22	066660-42-2	45
3			Naphthalene, 2-ethyldecahydro-	166	C12H22	001618-23-1	43
4			cis,trans-3-Ethylbicyclo[4.4.0]d...	166	C12H22	066660-41-1	43
5			trans, cis-3-Ethylbicyclo[4.4.0]...	166	C12H22	066660-43-3	42



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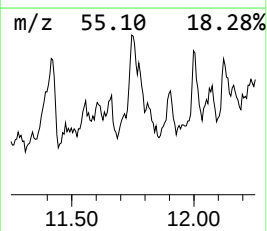
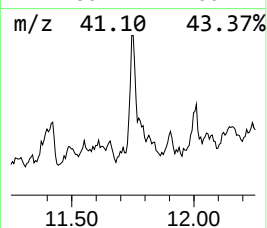
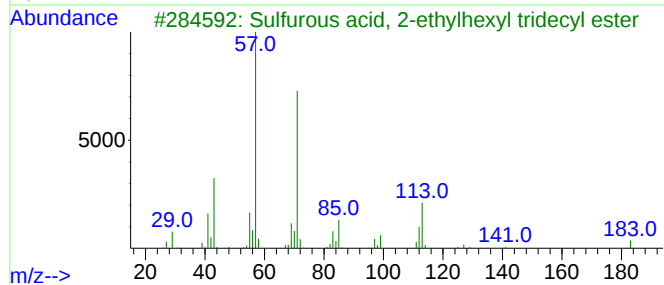
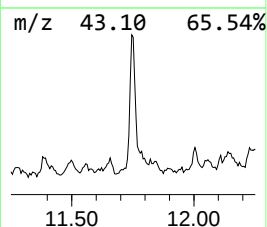
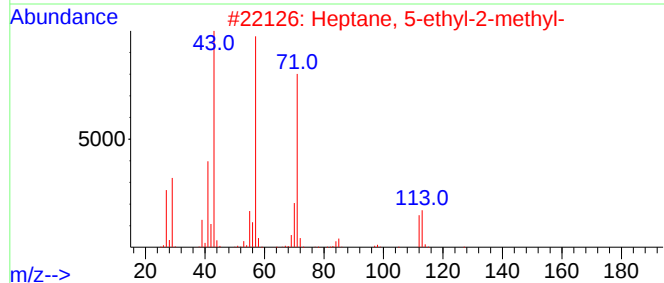
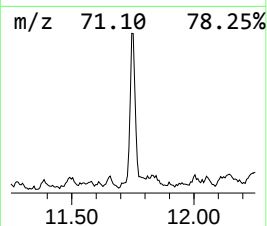
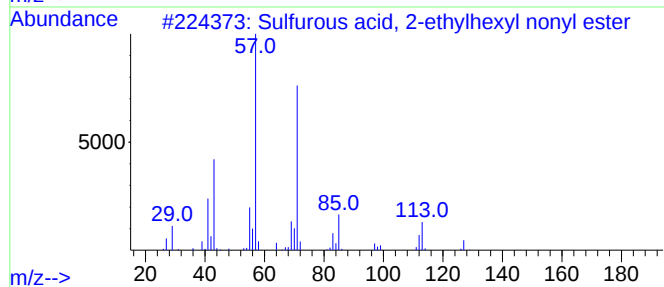
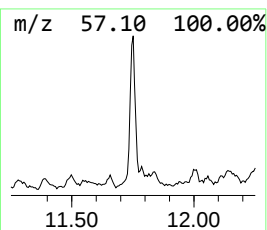
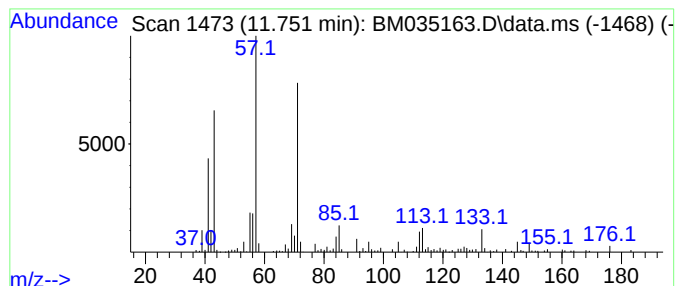
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Sulfurous acid, 2-ethylhexy... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.751	4.62 ng	313797	Naphthalene-d8	10.704

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1010309-19-2	72
2			Heptane, 5-ethyl-2-methyl-	142	C10H22	013475-78-0	59
3			Sulfurous acid, 2-ethylhexyl tri...	376	C21H44O3S	1000309-19-6	59
4			Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	59
5			Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	59



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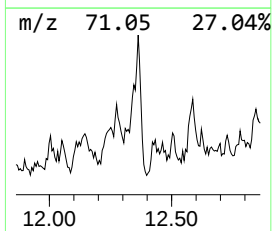
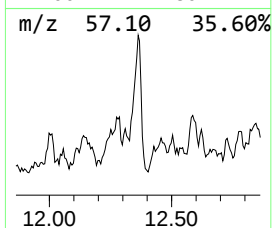
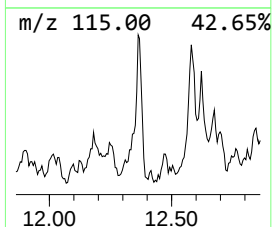
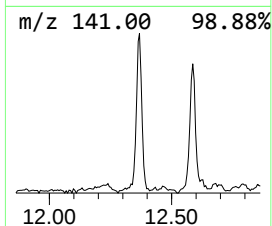
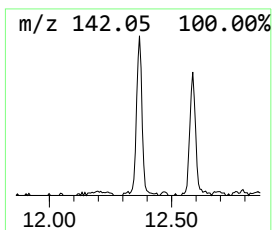
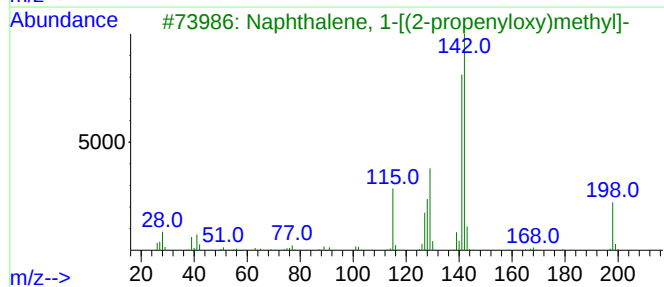
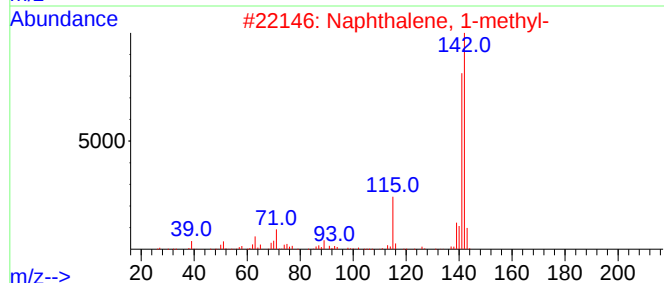
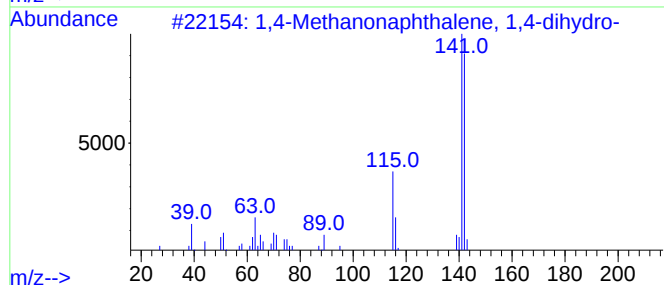
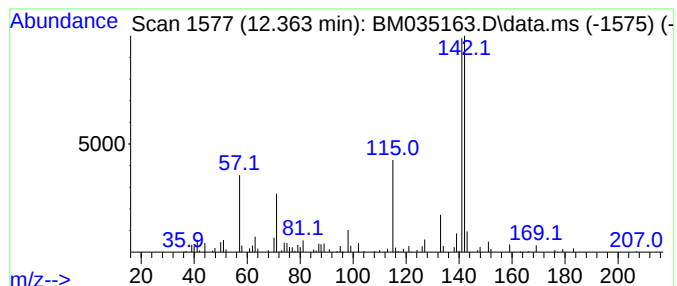
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TIC Library : C:\Database\NIST20.L
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Peak Number 3 1,4-Methanonaphthalene, 1,4... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.363	2.25 ng	152701	Naphthalene-d8	10.704

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	74
2			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	72
3			Naphthalene, 1-[(2-propenyloxy)m...	198	C14H14O	074685-39-5	50
4			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	50
5			Benzocycloheptatriene	142	C11H10	000264-09-5	50



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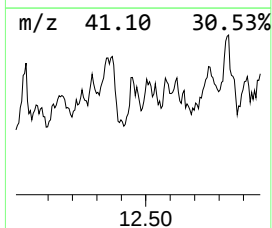
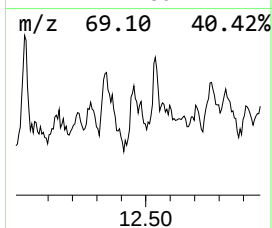
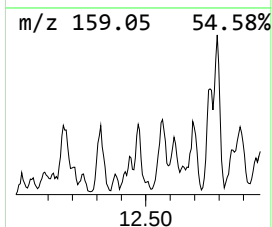
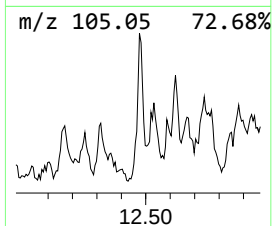
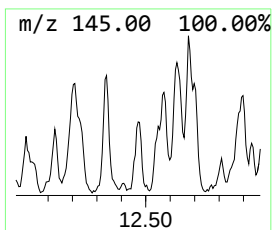
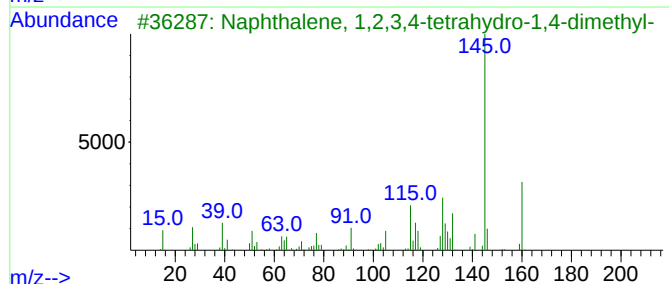
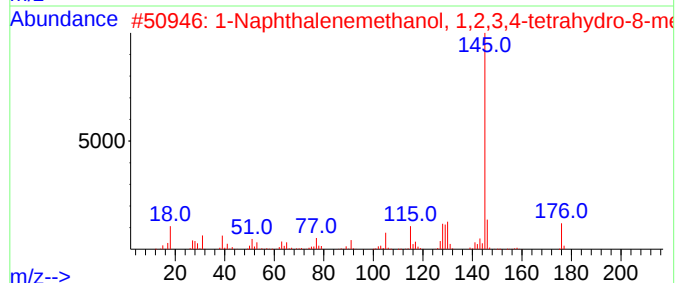
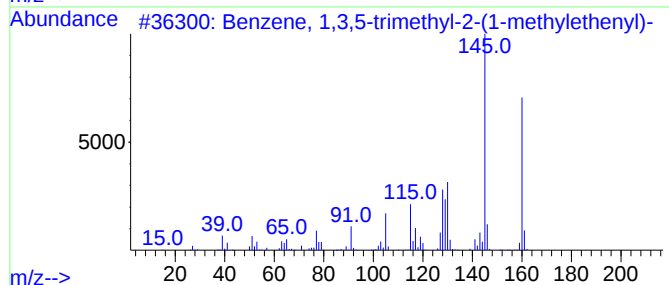
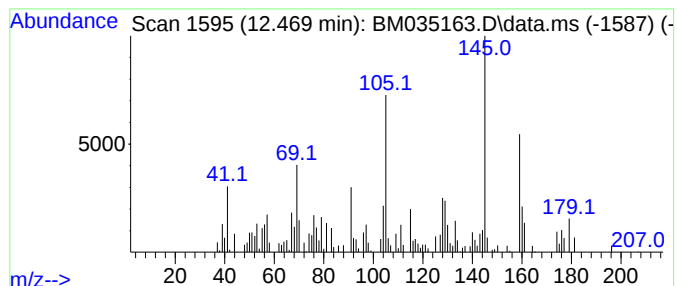
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Peak Number 4 unknown12.469 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.469	2.24 ng	152087	Naphthalene-d8	10.704

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	49
2			1-Naphthalenemethanol, 1,2,3,4-t...	176	C12H16O	036052-28-5	46
3			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	46
4			Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	45
5			2-Methyl-4-phenyl-3-butyne-2-ol	160	C11H12O	001719-19-3	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051922\
Data File : BM035163.D
Acq On : 19 May 2022 21:34
Operator : CG/JU
Sample : N2889-03
Misc :
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ClientSampleId :
D2321-22-SOIL

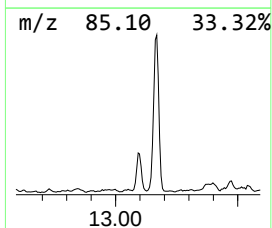
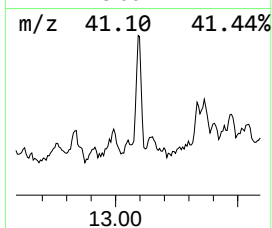
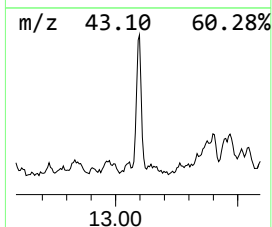
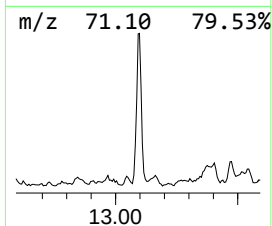
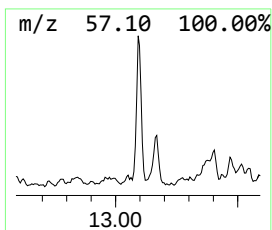
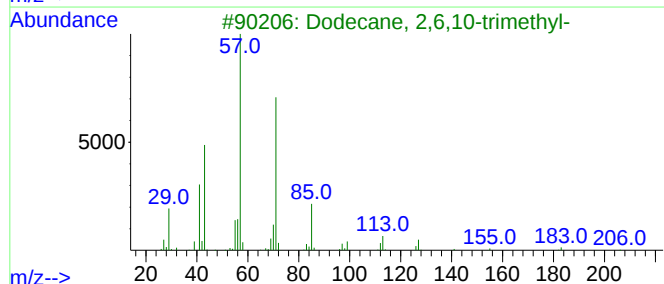
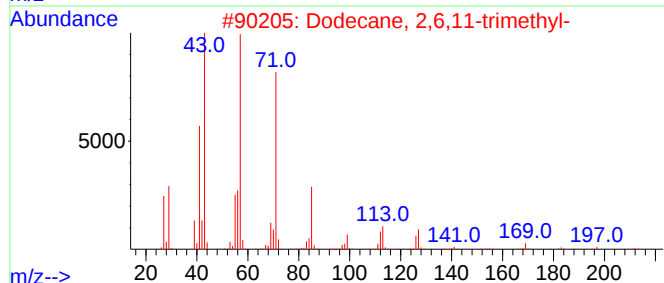
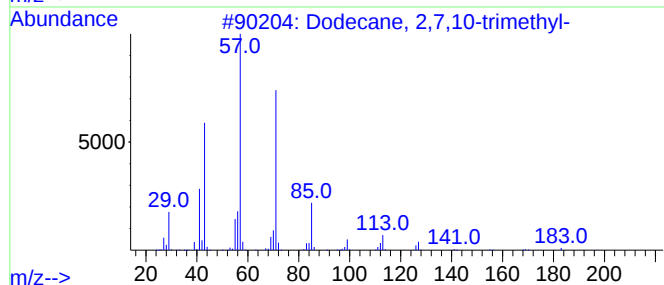
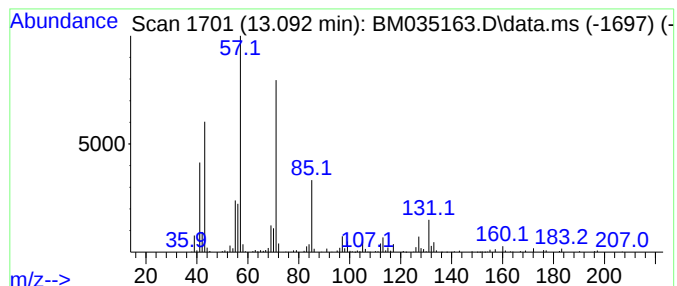
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Dodecane, 2,7,10-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.092	3.92 ng	342506	Acenaphthene-d10	14.539

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
2			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	64
3			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	64
4			Undecane, 5-methyl-	170	C12H26	001632-70-8	64
5			Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051922\
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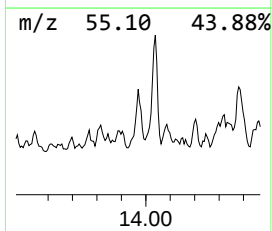
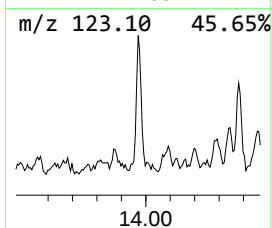
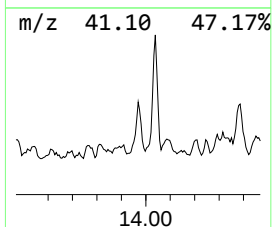
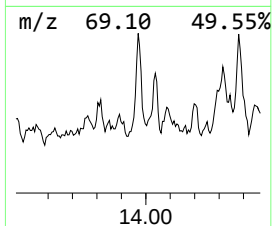
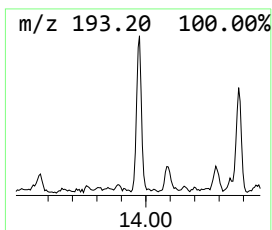
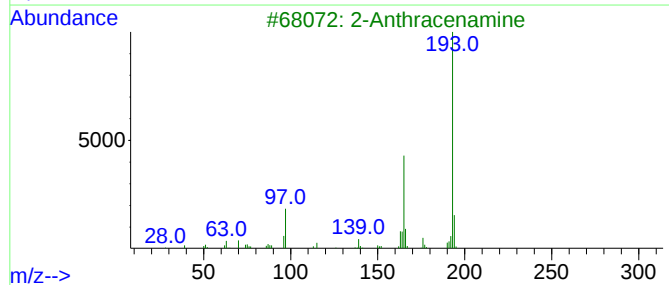
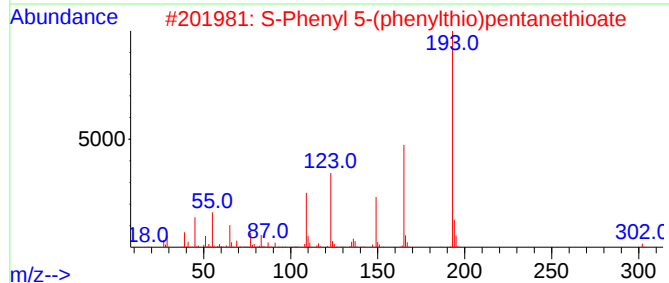
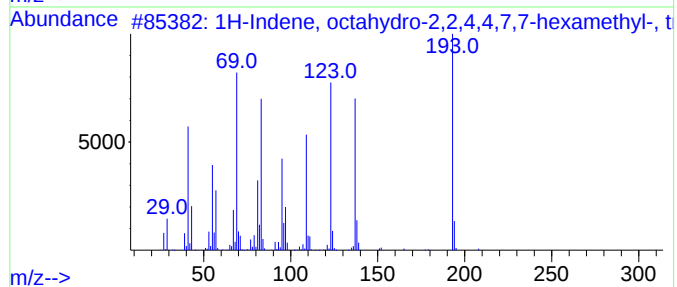
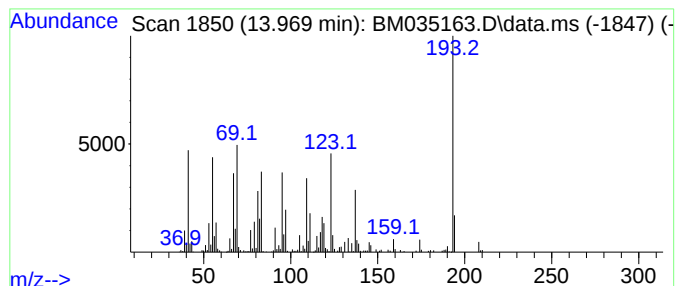
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 1H-Indene, octahydro-2,2,4,... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.969	2.67 ng	233840	Acenaphthene-d10	14.539

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, octahydro-2,2,4,4,7,7...	208	C15H28	054832-83-6	53		
2	S-Phenyl 5-(phenylthio)pentaneth...	302	C17H18OS2	1000234-40-7	40		
3	2-Anthracenamine	193	C14H11N	000613-13-8	38		
4	diallyl(2,2,4a,7,7-pentamethyl-1...	384	C19H33N2O4P	1000187-42-4	37		
5	2-Pentanone, 4-cyclohexylidene-3...	222	C15H26O	313253-65-5	37		



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051922\
Data File : BM035163.D
Acq On : 19 May 2022 21:34
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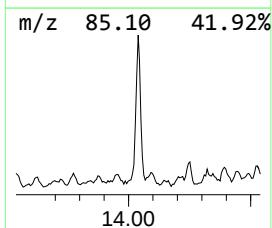
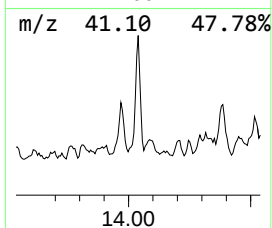
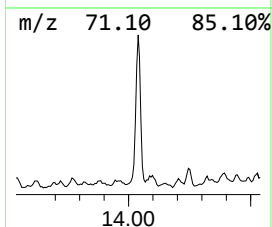
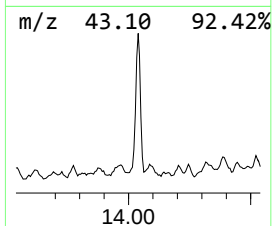
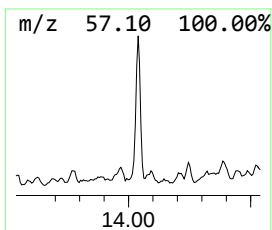
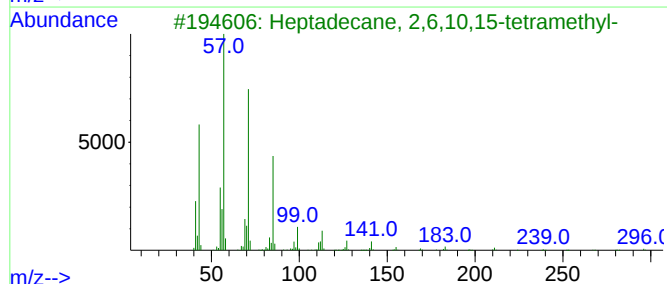
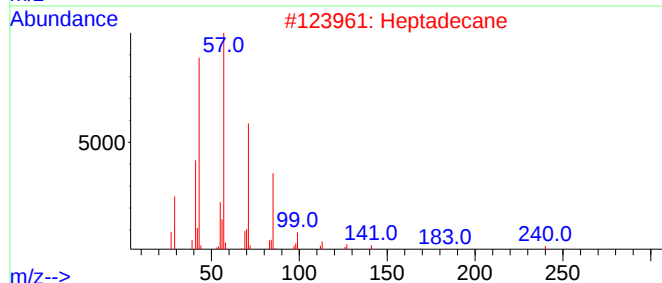
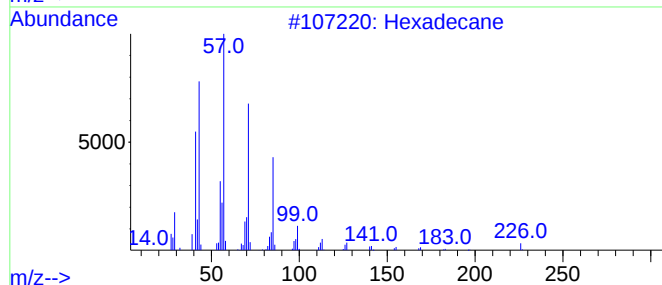
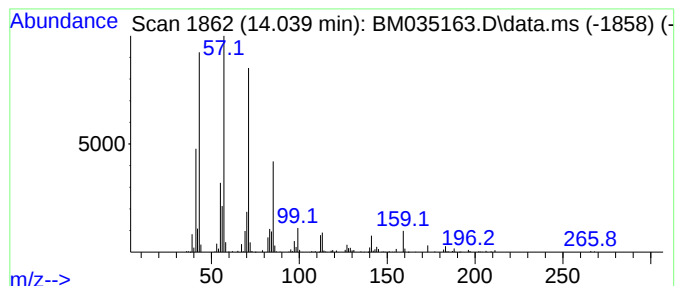
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Hexadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.039	5.02 ng	439301	Acenaphthene-d10	14.539

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane	226	C16H34	000544-76-3	86
2			Heptadecane	240	C17H36	000629-78-7	86
3			Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
4			Tetradecane	198	C14H30	000629-59-4	86
5			Decane, 5-propyl-	184	C13H28	017312-62-8	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051922\
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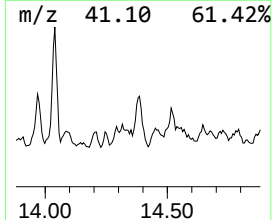
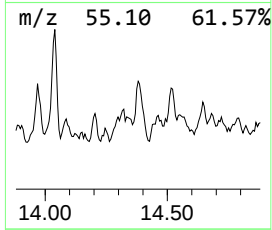
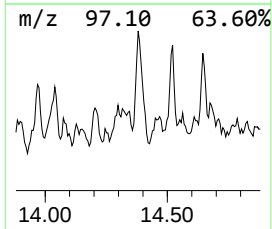
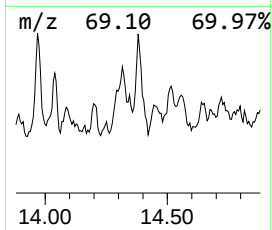
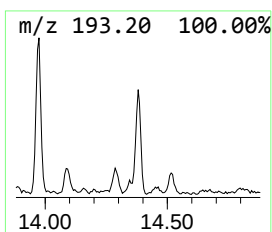
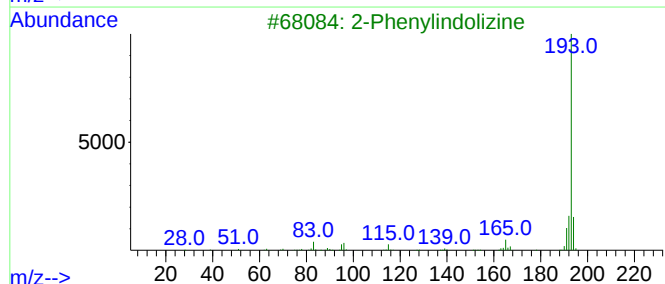
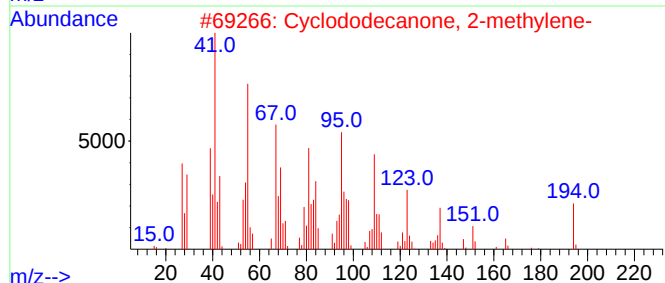
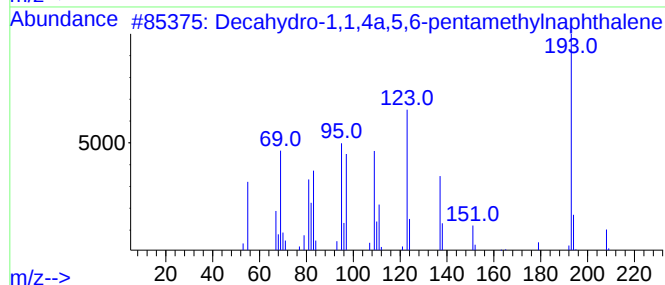
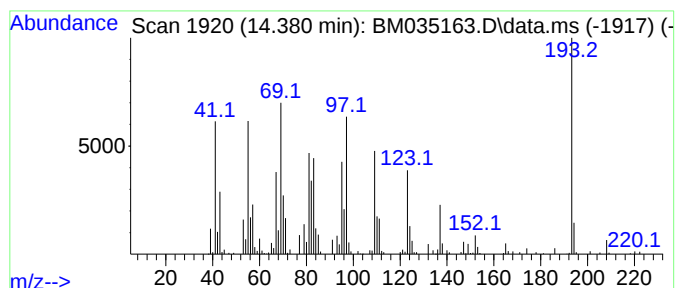
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Decahydro-1,1,4a,5,6-pentam... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.380	3.71 ng	324209	Acenaphthene-d10	14.539	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-1,1,4a,5,6-pentamethyl...	208	C15H28	080655-44-3	64
2	Cyclododecanone, 2-methylene-	194	C13H22O	003045-76-9	41
3	2-Phenylindolizine	193	C14H11N	025379-20-8	35
4	(-)-trans-Pinane	138	C10H18	033626-25-4	25
5	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	000473-55-2	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051922\
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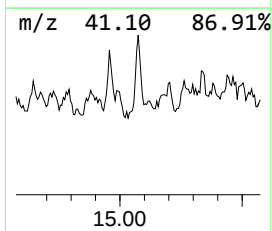
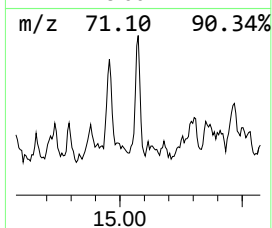
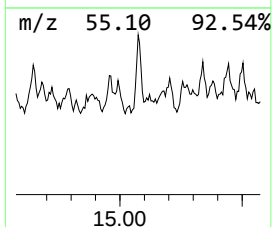
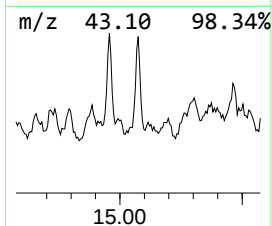
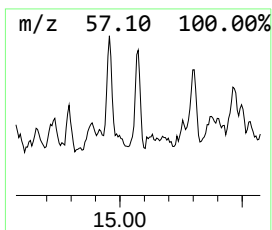
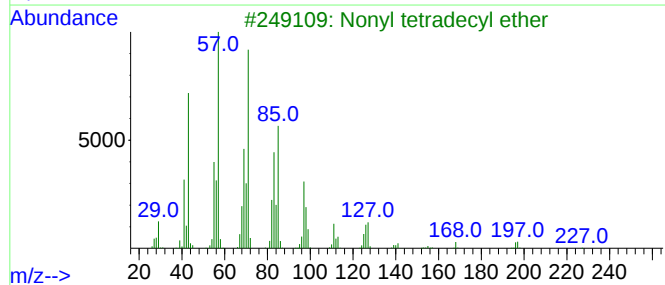
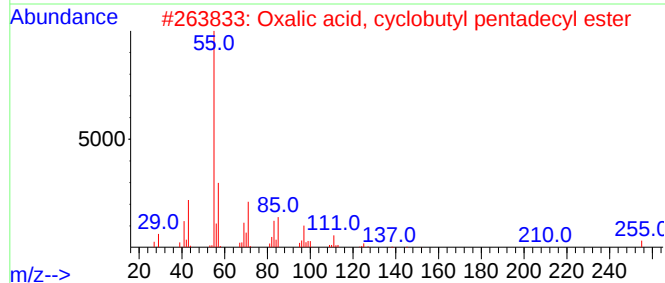
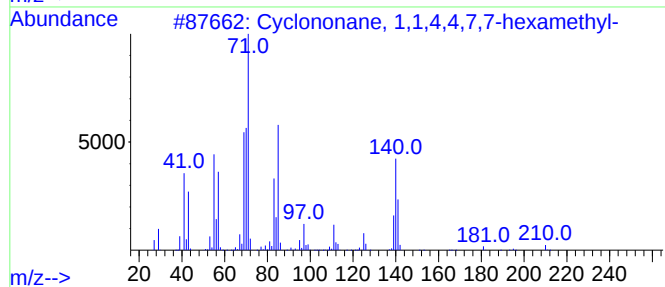
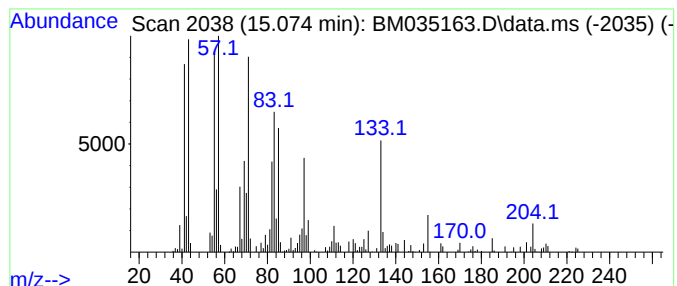
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Cyclononane, 1,1,4,4,7,7-he... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.074	2.75 ng	240658	Acenaphthene-d10	14.539	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclononane, 1,1,4,4,7,7-hexamet...	210	C15H30	149331-19-1	50
2	Oxalic acid, cyclobutyl pentadec...	354	C21H38O4	1010309-70-5	49
3	Nonyl tetradecyl ether	340	C23H48O	1000406-37-6	46
4	Decane, 5-cyclohexyl-	224	C16H32	013151-76-3	35
5	1-Eicosanol	298	C20H42O	000629-96-9	30



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051922\
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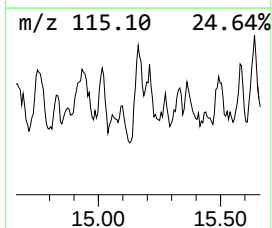
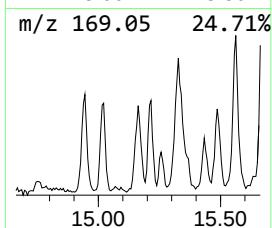
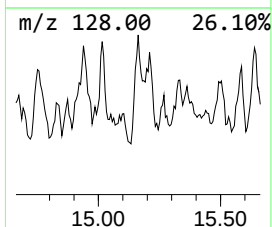
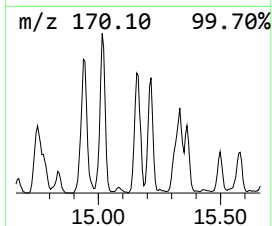
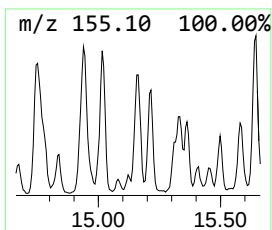
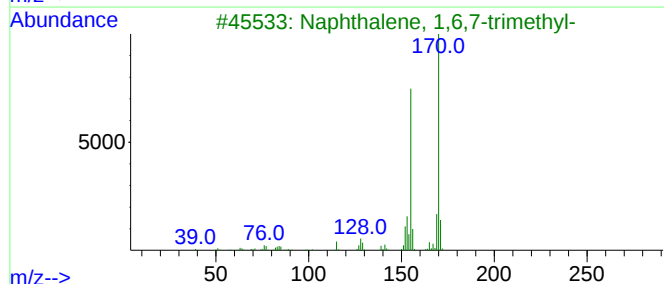
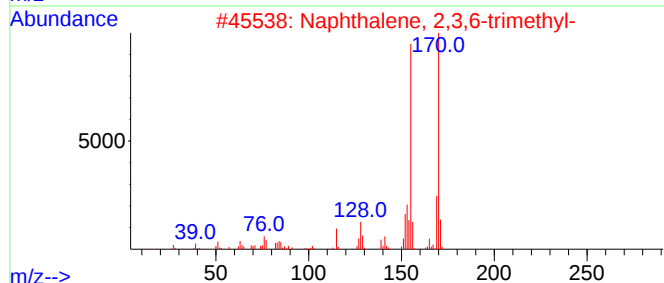
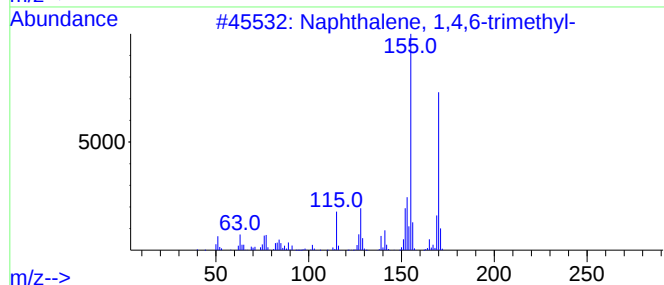
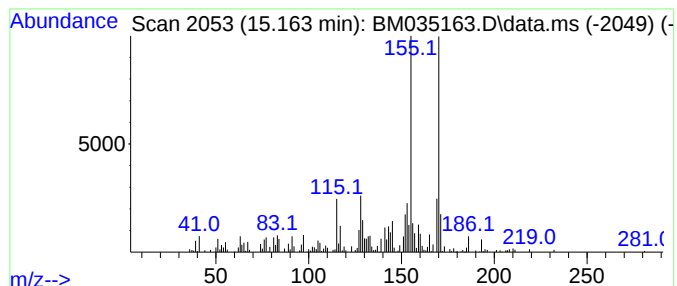
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 1,4,6-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.163	2.73 ng	238796	Acenaphthene-d10	14.539

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
2		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
4		4,6,8-Trimethylazulene	170	C13H14	000941-81-1	96
5		3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051922\
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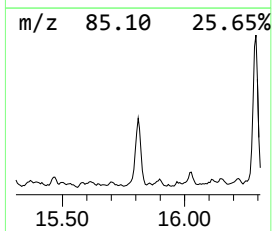
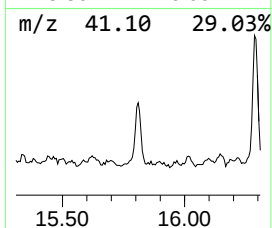
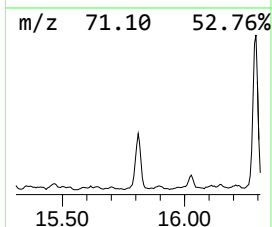
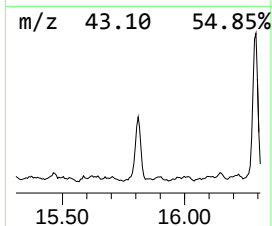
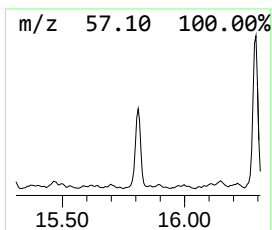
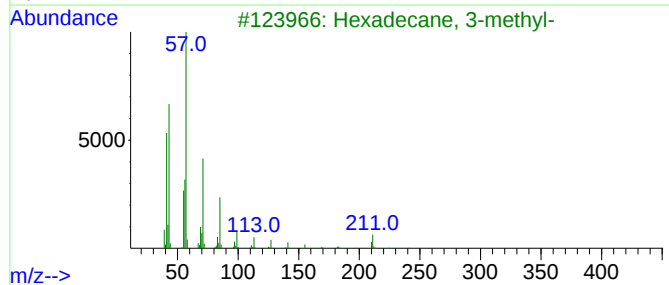
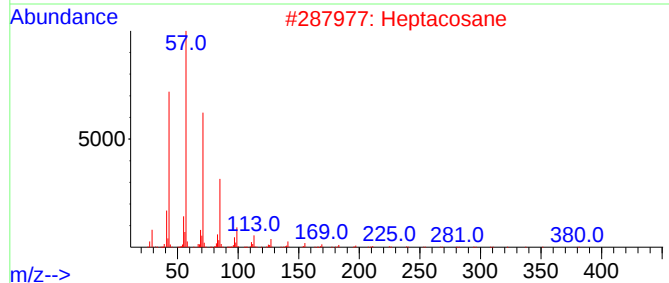
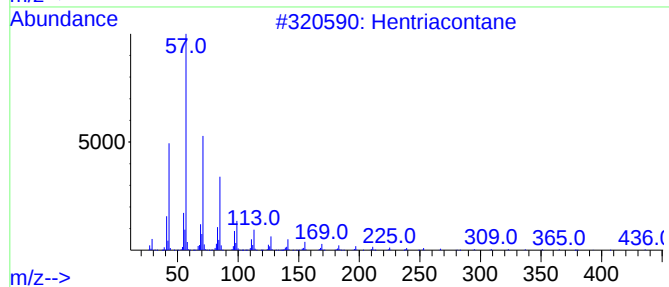
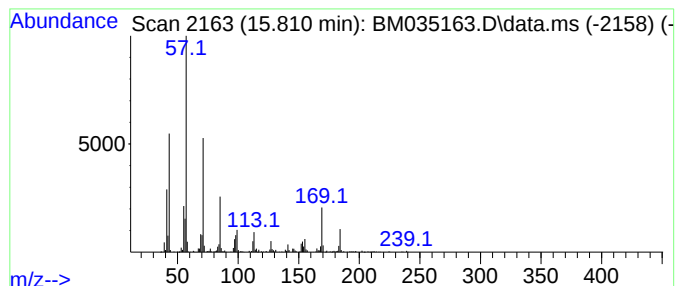
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Hentriacontane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.810	7.62 ng	666481	Acenaphthene-d10	14.539

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hentriacontane	437	C31H64	000630-04-6	64
2			Heptacosane	380	C27H56	000593-49-7	64
3			Hexadecane, 3-methyl-	240	C17H36	006418-43-5	62
4			Undecane	156	C11H24	001120-21-4	58
5			Octane, 3,5-dimethyl-	142	C10H22	015869-93-9	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051922\
Data File : BM035163.D
Acq On : 19 May 2022 21:34
Operator : CG/JU
Sample : N2889-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
D2321-22-SOIL

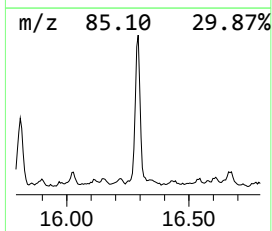
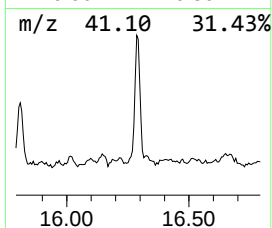
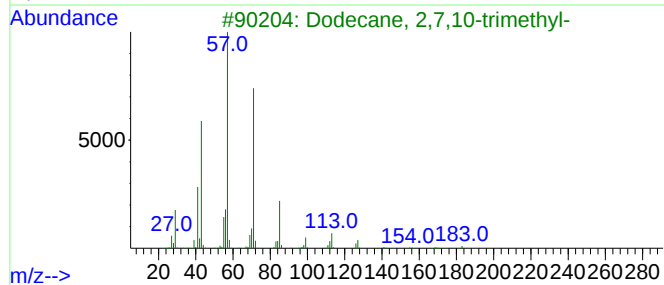
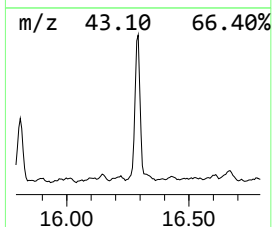
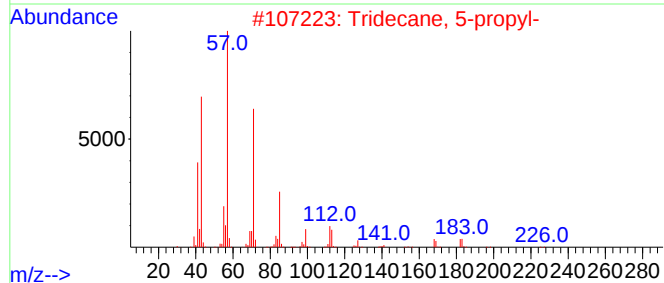
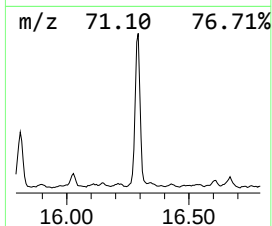
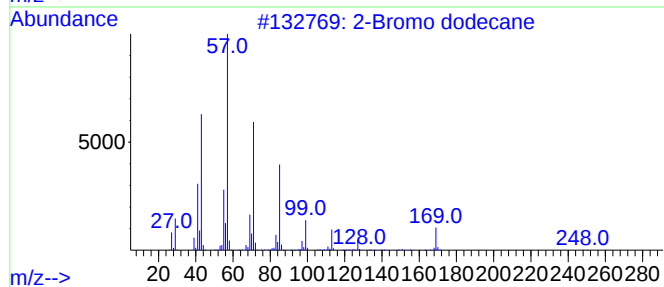
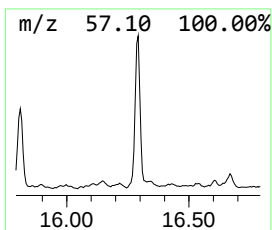
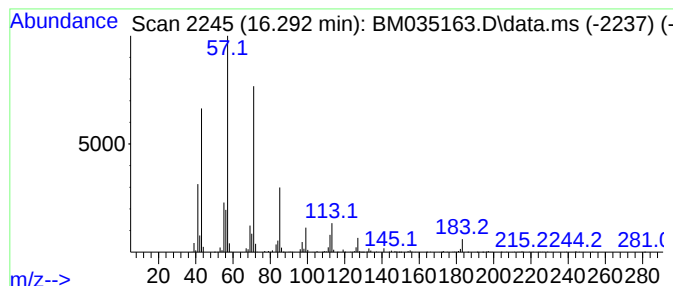
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 2-Bromo dodecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.292	15.95 ng	1387910	Phenanthrene-d10	17.286

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Bromo dodecane	248	C12H25Br	013187-99-0	93
2		Tridecane, 5-propyl-	226	C16H34	055045-11-9	93
3		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
4		Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	83
5		3-Ethyl-2,6,10-trimethylundecane	226	C16H34	1000432-25-9	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051922\
Data File : BM035163.D
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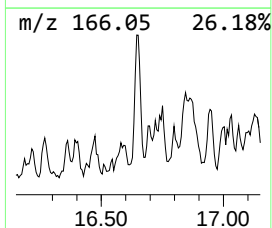
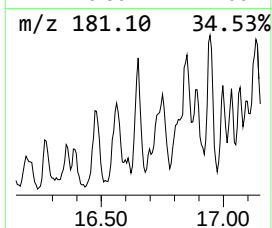
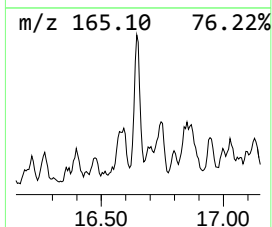
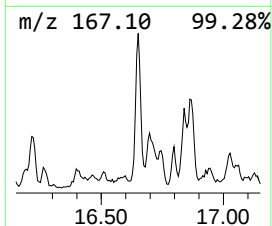
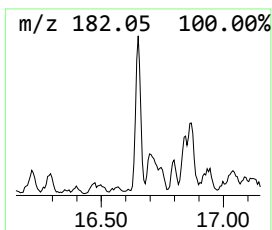
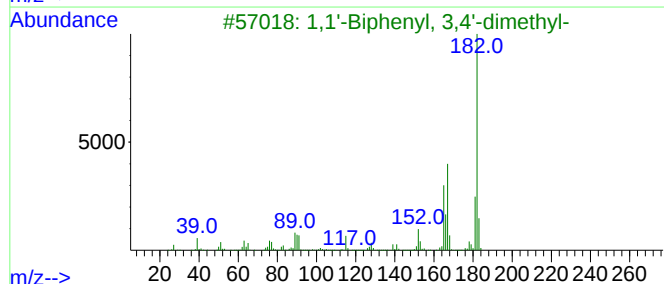
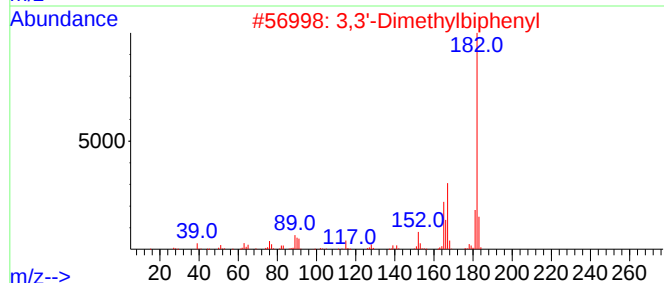
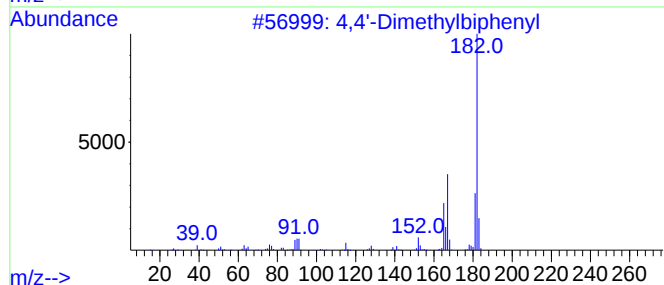
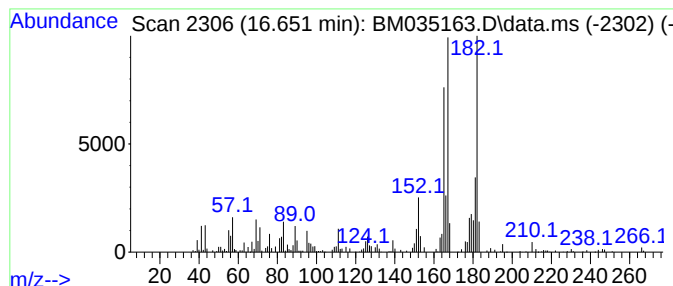
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 4,4'-Dimethylbiphenyl Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.651	3.58 ng	311254	Phenanthrene-d10	17.286

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	94
2			3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	81
3			1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	80
4			1H,2H,3H-Cyclopenta[a]naphthalen...	182	C14H14	001624-22-2	76
5			Benzene, 1-methyl-3-(phenylmethyl)-	182	C14H14	000620-47-3	70



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051922\
Data File : BM035163.D
Acq On : 19 May 2022 21:34
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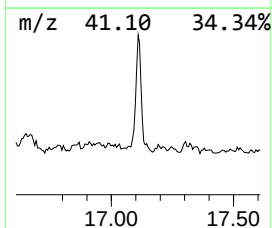
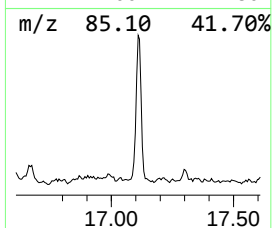
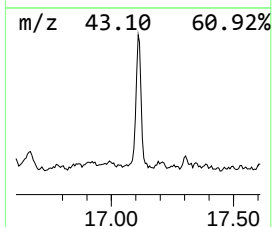
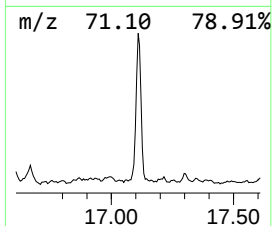
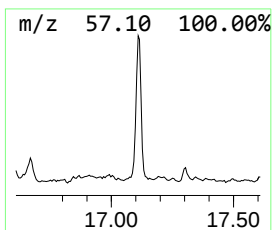
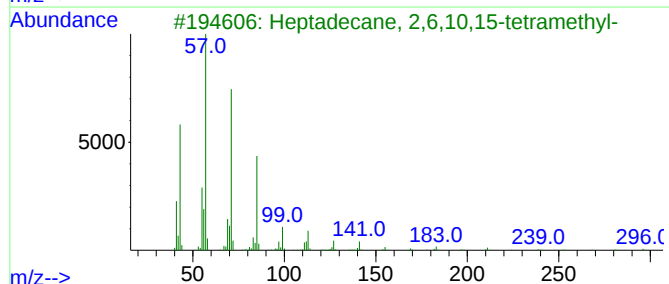
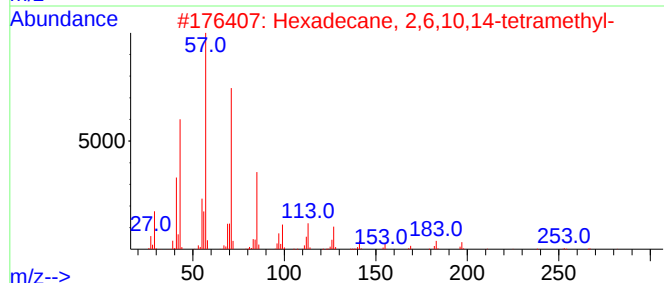
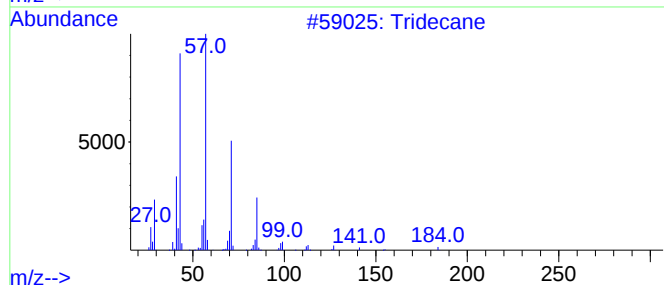
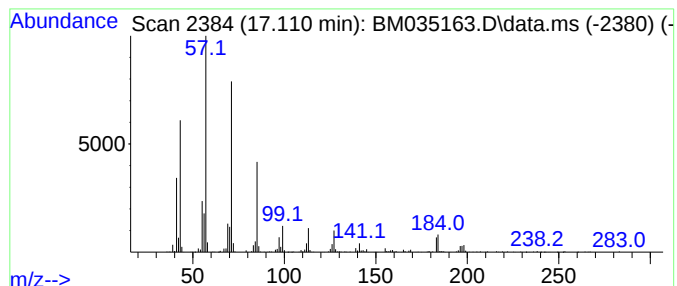
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Tridecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.110	10.37 ng	902698	Phenanthrene-d10	17.286

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane	184	C13H28	000629-50-5	91
2			Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	91
3			Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	87
4			Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	86
5			Heptacosane	380	C27H56	000593-49-7	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051922\
Data File : BM035163.D
Acq On : 19 May 2022 21:34
Operator : CG/JU
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ALS Vial : 14 Sample Multiplier: 1

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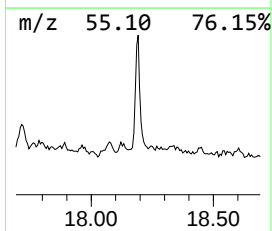
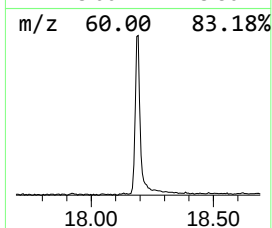
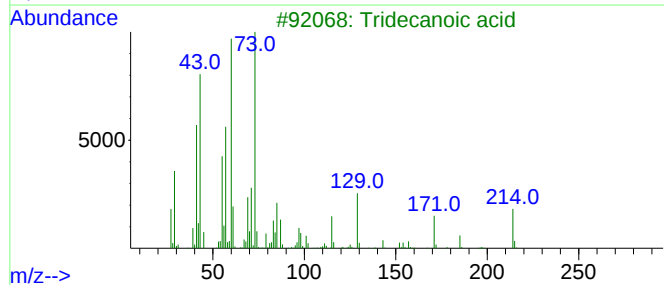
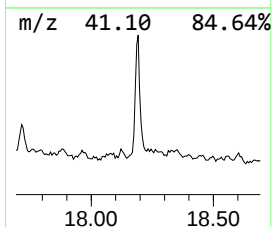
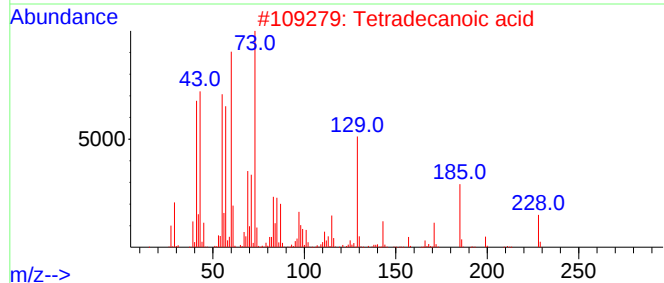
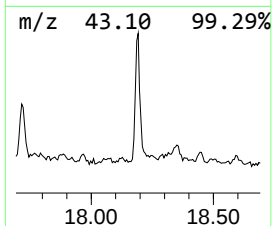
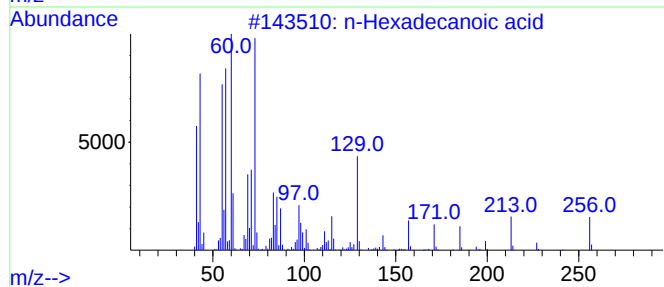
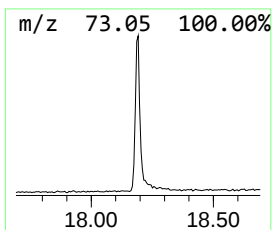
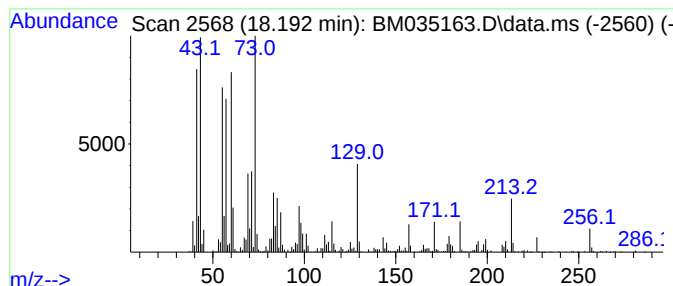
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.192	11.38 ng	990325	Phenanthrene-d10	17.286

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Tetradecanoic acid	228	C14H28O2	000544-63-8	90
3			Tridecanoic acid	214	C13H26O2	000638-53-9	81
4			Pentadecanoic acid	242	C15H30O2	001002-84-2	81
5			Octadecanoic acid	284	C18H36O2	000057-11-4	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051922\
Data File : BM035163.D
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Sample : N2889-03
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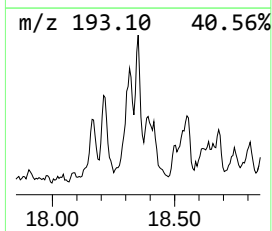
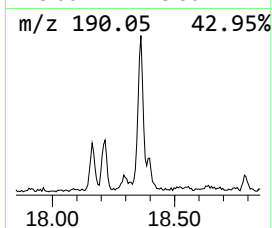
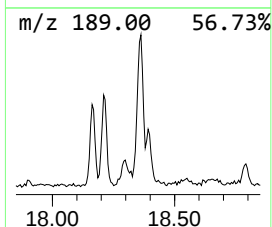
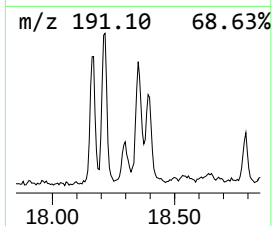
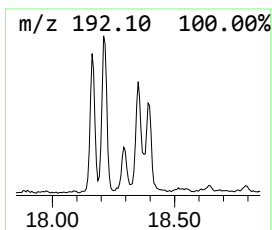
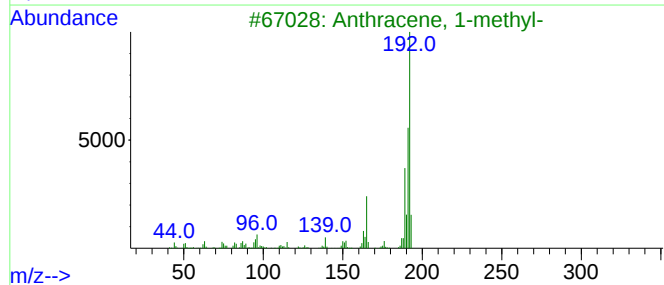
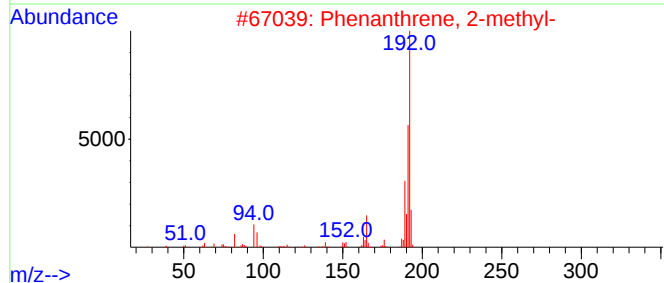
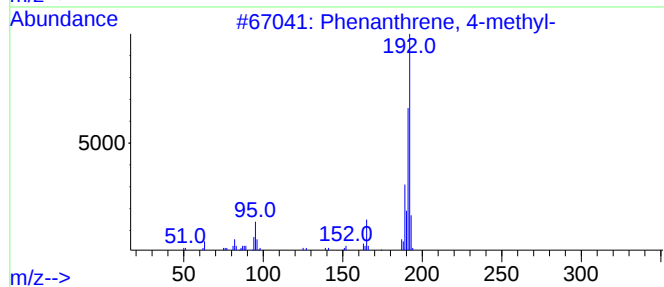
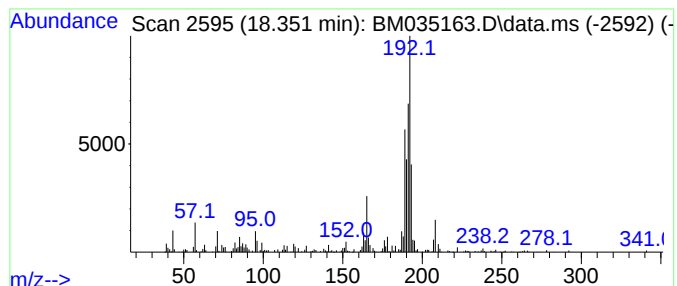
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Phenanthrene, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD		R.T.	
18.351	2.20 ng	191876	Phenanthrene-d10		17.286	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-		192	C15H12	000832-64-4	55
2	Phenanthrene, 2-methyl-		192	C15H12	002531-84-2	55
3	Anthracene, 1-methyl-		192	C15H12	000610-48-0	55
4	Phenanthrene, 1-methyl-		192	C15H12	000832-69-9	55
5	Anthracene, 9-methyl-		192	C15H12	000779-02-2	55



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051922\
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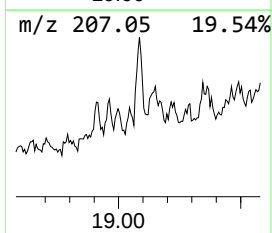
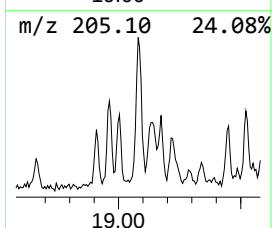
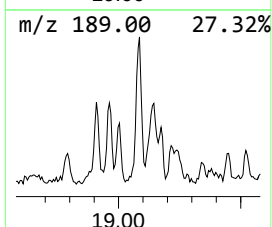
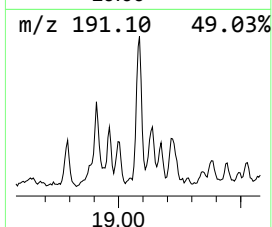
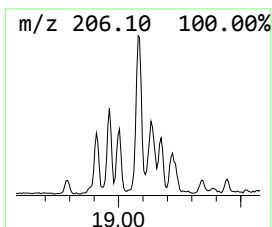
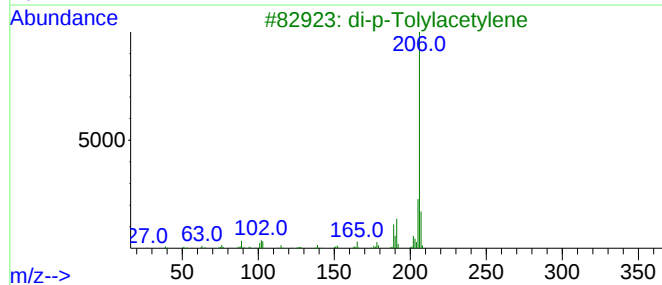
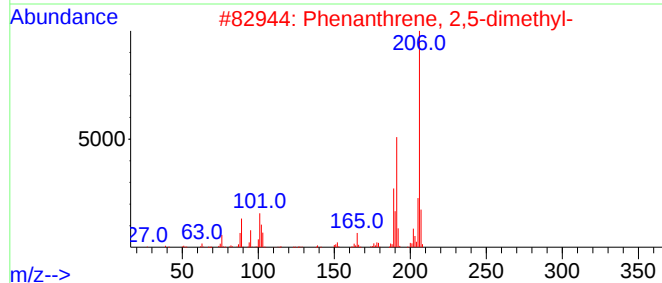
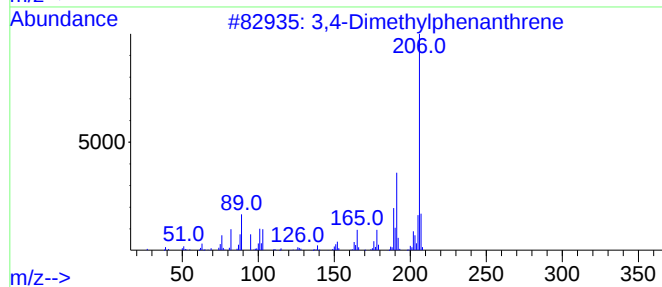
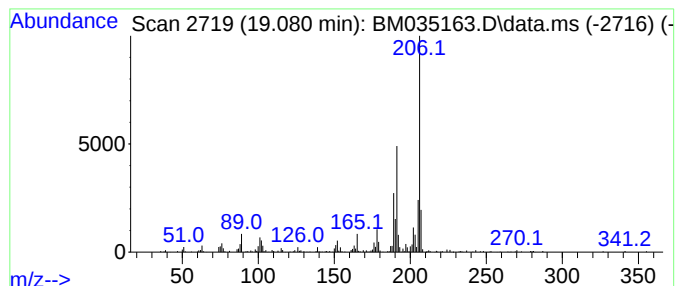
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 3,4-Dimethylphenanthrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.080	2.75 ng	239563	Phenanthrene-d10	17.286	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	94
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	9,10-Dimethylantracene	206	C16H14	000781-43-1	93
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051922\
Data File : BM035163.D
Acq On : 19 May 2022 21:34
Operator : CG/JU
Sample : N2889-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
D2321-22-SOIL

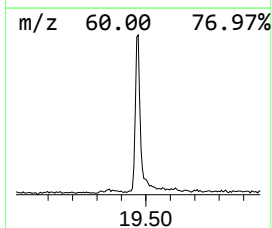
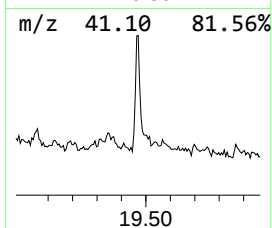
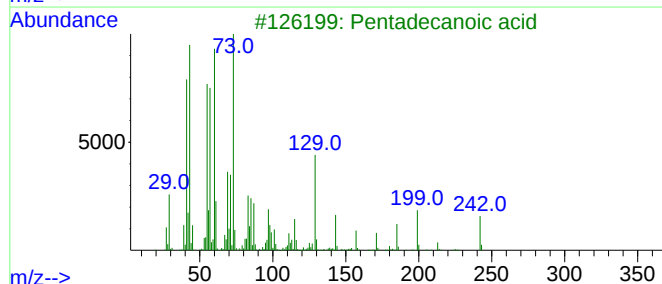
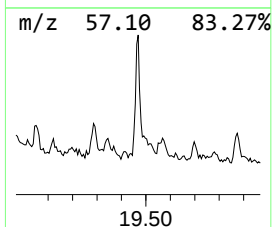
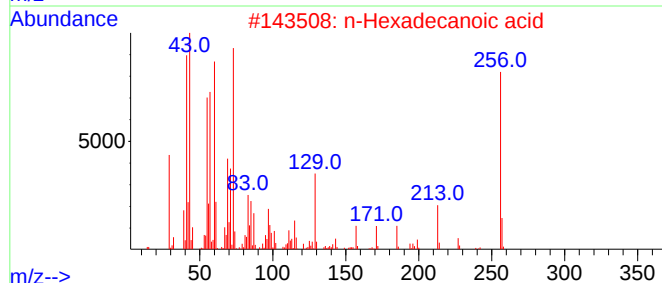
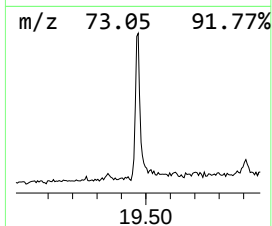
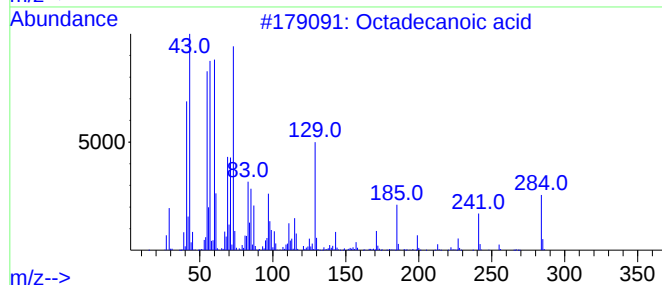
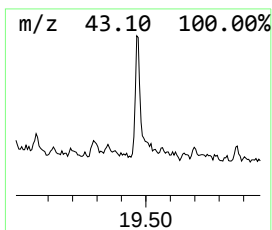
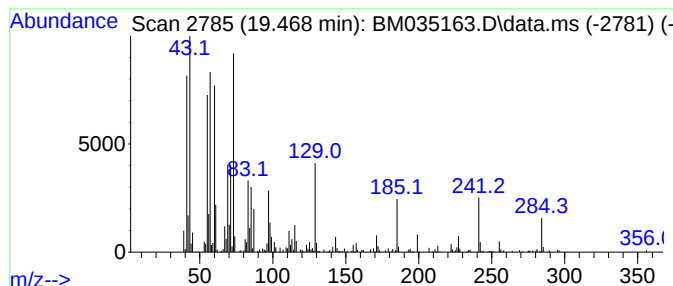
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Octadecanoic acid Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.468	2.46 ng	315750	Chrysene-d12	21.468

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	99
2			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	90
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	89
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	72
5			n-Decanoic acid	172	C10H20O2	000334-48-5	60



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051922\
Data File : BM035163.D
Acq On : 19 May 2022 21:34
Operator : CG/JU
Sample : N2889-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D2321-22-SOIL

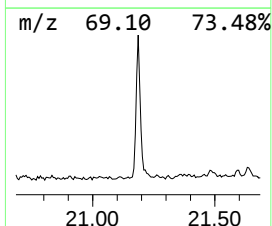
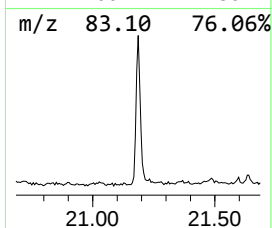
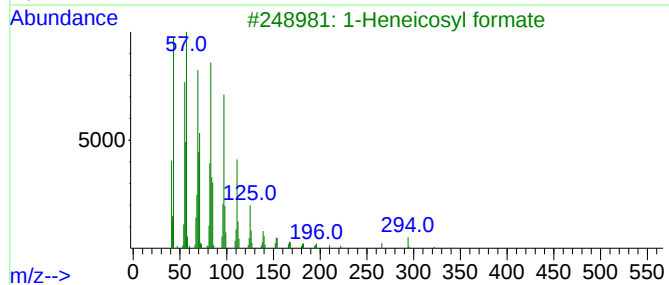
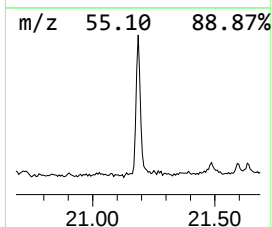
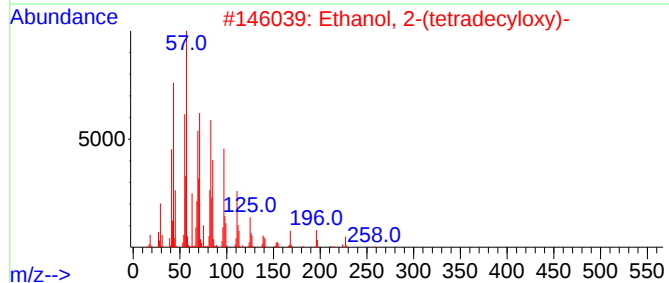
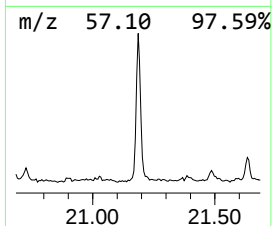
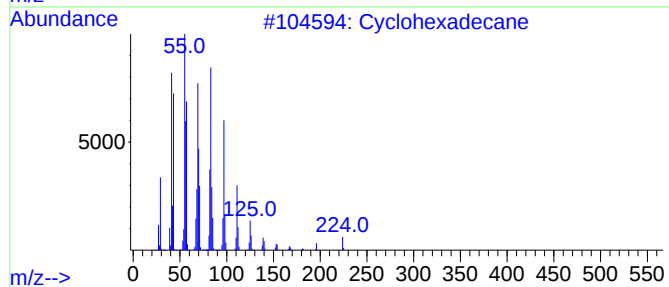
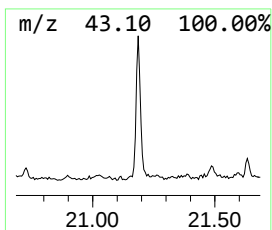
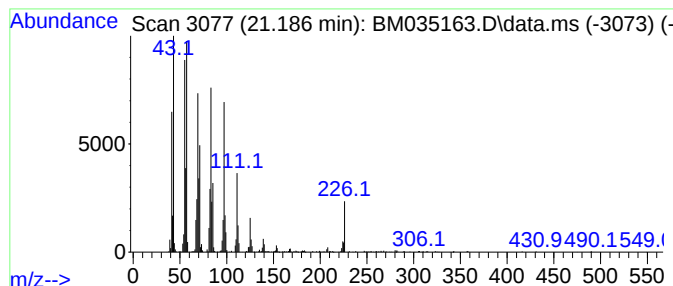
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Cyclohexadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.186	5.43 ng	696261	Chrysene-d12	21.468

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexadecane	224	C16H32	000295-65-8	98
2			Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	95
3			1-Heneicosyl formate	340	C22H44O2	077899-03-7	93
4			Pentacos-1-ene	350	C25H50	016980-85-1	93
5			Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051922\
Data File : BM035163.D
Acq On : 19 May 2022 21:34
Operator : CG/JU
Sample : N2889-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D2321-22-SOIL

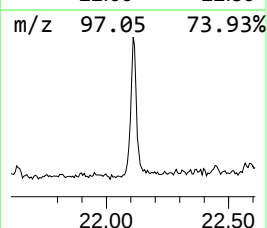
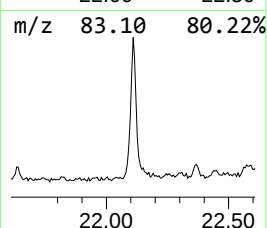
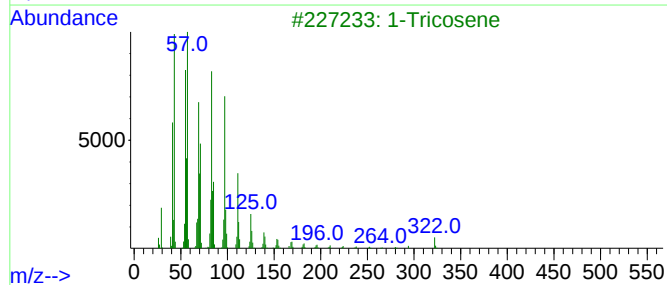
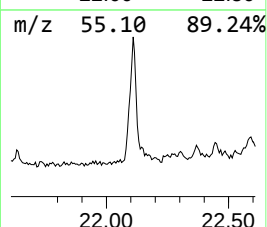
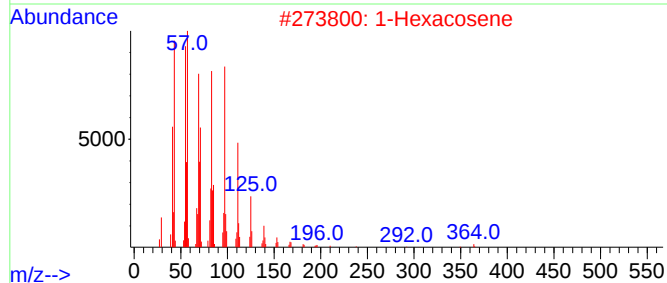
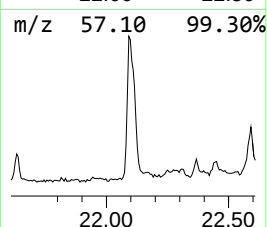
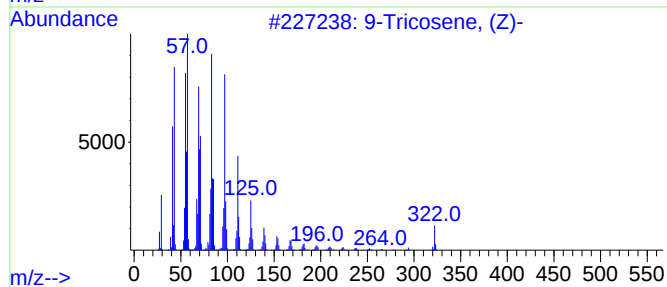
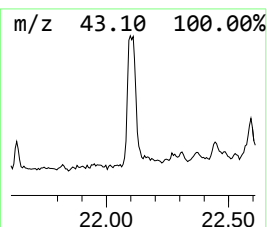
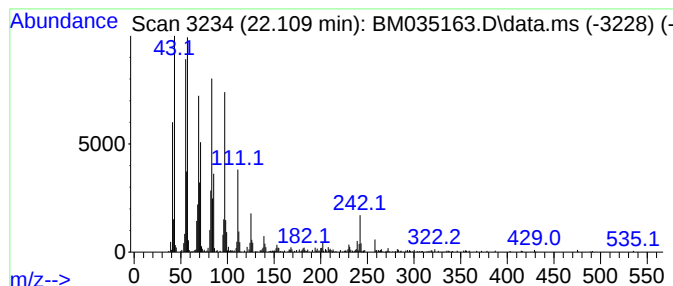
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 9-Tricosene, (Z)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.109	6.43 ng	824456	Chrysene-d12	21.468

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		9-Tricosene, (Z)-	322	C23H46	027519-02-4	96
2		1-Hexacosene	364	C26H52	018835-33-1	95
3		1-Tricosene	322	C23H46	018835-32-0	95
4		1-Heneicosyl formate	340	C22H44O2	077899-03-7	94
5		Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM051922\
 Data File : BM035163.D
 Acq On : 19 May 2022 21:34
 Operator : CG/JU
 Sample : N2889-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D2321-22-SOIL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042722.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
cis,trans-2-Eth...	11.404	3.0	ng	203327	2	10.704	1358670	20.0
Sulfurous acid,...	11.751	4.6	ng	313797	2	10.704	1358670	20.0
1,4-Methanonaph...	12.363	2.3	ng	152701	2	10.704	1358670	20.0
unknown12.469	12.469	2.2	ng	152087	2	10.704	1358670	20.0
Dodecane, 2,7,1...	13.092	3.9	ng	342506	3	14.539	1749150	20.0
1H-Indene, octa...	13.969	2.7	ng	233840	3	14.539	1749150	20.0
Hexadecane	14.039	5.0	ng	439301	3	14.539	1749150	20.0
Decahydro-1,1,4...	14.380	3.7	ng	324209	3	14.539	1749150	20.0
Cyclononane, 1,...	15.074	2.8	ng	240658	3	14.539	1749150	20.0
Naphthalene, 1,...	15.163	2.7	ng	238796	3	14.539	1749150	20.0
Hentriacontane	15.810	7.6	ng	666481	3	14.539	1749150	20.0
2-Bromo dodecane	16.292	15.9	ng	1387910	4	17.286	1740450	20.0
4,4'-Dimethylbi...	16.651	3.6	ng	311254	4	17.286	1740450	20.0
Tridecane	17.110	10.4	ng	902698	4	17.286	1740450	20.0
n-Hexadecanoic ...	18.192	11.4	ng	990325	4	17.286	1740450	20.0
Phenanthrene, 4...	18.351	2.2	ng	191876	4	17.286	1740450	20.0
3,4-Dimethylphe...	19.080	2.8	ng	239563	4	17.286	1740450	20.0
Octadecanoic acid	19.468	2.5	ng	315750	5	21.468	2562680	20.0
Cyclohexadecane	21.186	5.4	ng	696261	5	21.468	2562680	20.0
9-Tricosene, (Z)-	22.109	6.4	ng	824456	5	21.468	2562680	20.0