

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040616\
 Data File : BF086115.D
 Acq On : 6 Apr 2016 23:24
 Operator : UM/SJ
 Sample : H2074-08
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUP-032916

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.235	8	13	19	rBV10	176894	747413	25.69%	1.256%
2	2.350	21	23	26	rVB3	74009	159683	5.49%	0.268%
3	2.887	68	70	72	rBV2	98125	129197	4.44%	0.217%
4	2.944	72	75	78	rBV4	189490	591563	20.33%	0.994%
5	3.013	78	81	82	rBV2	160759	321813	11.06%	0.541%
6	3.104	85	89	91	rBV4	129260	345201	11.87%	0.580%
7	3.264	98	103	104	rBV4	161928	555497	19.09%	0.933%
8	3.424	115	117	120	rBV3	213580	379126	13.03%	0.637%
9	3.538	124	127	128	rBV3	163178	213628	7.34%	0.359%
10	3.596	128	132	137	rVV8	125952	632769	21.75%	1.063%
11	3.676	137	139	142	rVB4	80763	174284	5.99%	0.293%
12	3.801	148	150	152	rBV2	67284	115769	3.98%	0.194%
13	3.858	152	155	156	rBV2	178655	332020	11.41%	0.558%
14	4.019	165	169	171	rVB3	259273	522822	17.97%	0.878%
15	4.121	176	178	180	rBV2	253732	499581	17.17%	0.839%
16	4.247	187	189	190	rBV2	121255	239237	8.22%	0.402%
17	4.510	206	212	216	rVV9	211874	1009273	34.69%	1.695%
18	4.601	219	220	221	rVV	214824	244653	8.41%	0.411%
19	4.624	221	222	225	rVV3	199868	468659	16.11%	0.787%
20	4.670	225	226	227	rVB	185395	127088	4.37%	0.213%
21	4.796	235	237	238	rBV	231076	330461	11.36%	0.555%
22	4.841	238	241	243	rVV3	164428	475460	16.34%	0.799%
23	4.921	246	248	249	rVB	171470	206756	7.11%	0.347%
24	4.944	249	250	251	rBV	110962	150488	5.17%	0.253%
25	5.070	259	261	264	rBV3	135621	397517	13.66%	0.668%
26	5.344	282	285	287	rBV	2368397	2909264	100.00%	4.887%
27	5.436	290	293	296	rVB5	159636	202405	6.96%	0.340%
28	5.664	311	313	314	rVB	187119	156965	5.40%	0.264%
29	6.396	374	377	385	rBV	2071377	2434155	83.67%	4.089%
30	6.522	385	388	390	rVV	1946726	2718347	93.44%	4.566%
31	6.739	405	407	410	rBV	537644	580278	19.95%	0.975%
32	6.899	419	421	423	rBV	2375506	2083484	71.62%	3.500%
33	7.310	455	457	460	rBV	1378075	1578120	54.24%	2.651%
34	7.607	480	483	490	rVB	133661	153611	5.28%	0.258%

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35	8.030	517	520	521 rBV	811930	712105	24.48%	1.196%
36	8.305	542	544	549 rVB	107092	117272	4.03%	0.197%
37	9.105	612	614	617 rVB	2724248	2404389	82.65%	4.039%
38	9.505	647	649	651 rBV	467920	394386	13.56%	0.662%
39	9.642	659	661	663 rBV	161936	139194	4.78%	0.234%
40	9.779	671	673	675 rBV	756650	674156	23.17%	1.132%
41	9.813	675	676	679 rVB	143866	122983	4.23%	0.207%
42	10.259	712	715	719 rVB3	109810	163758	5.63%	0.275%
43	10.328	719	721	724 rVB	161563	153432	5.27%	0.258%
44	10.442	724	731	733 rBV4	69682	189138	6.50%	0.318%
45	10.522	736	738	741 rBV4	405445	975486	33.53%	1.639%
46	10.568	741	742	745 rBV2	1871202	2685320	92.30%	4.511%
47	10.636	745	748	751 rVB5	362643	955487	32.84%	1.605%
48	10.705	751	754	756 rBV3	849907	2167363	74.50%	3.641%
49	11.139	789	792	793 rBV3	58154	123027	4.23%	0.207%
50	11.231	795	800	801 rVB5	39936	110299	3.79%	0.185%
51	11.265	801	803	804 rBV	712610	751479	25.83%	1.262%
52	11.288	804	805	807 rVV	1683763	1340561	46.08%	2.252%
53	11.334	807	809	811 rVV	257875	421753	14.50%	0.708%
54	11.505	821	824	826 rBV2	121386	213509	7.34%	0.359%
55	11.676	835	839	841 rBV3	44422	106100	3.65%	0.178%
56	11.768	844	847	848 rBV	240959	244002	8.39%	0.410%
57	11.802	848	850	852 rVV2	421993	560727	19.27%	0.942%
58	11.871	855	856	861 rVB	286033	525989	18.08%	0.884%
59	12.065	870	873	874 rBV	105477	137309	4.72%	0.231%
60	12.088	874	875	878 rVB	117086	160896	5.53%	0.270%
61	12.214	883	886	887 rBV2	54318	98644	3.39%	0.166%
62	12.316	892	895	896 rBV	176188	202894	6.97%	0.341%
63	12.351	896	898	901 rVB2	128485	179885	6.18%	0.302%
64	12.408	901	903	905 rBV	148593	171149	5.88%	0.287%
65	12.477	906	909	912 rBV	2050383	1975195	67.89%	3.318%
66	12.579	916	918	920 rBV2	124927	170129	5.85%	0.286%
67	12.625	920	922	924 rVB2	101656	108840	3.74%	0.183%
68	12.705	926	929	932 rBV	1925220	2131082	73.25%	3.580%
69	12.751	932	933	937 rVB2	97130	130999	4.50%	0.220%
70	12.854	939	942	944 rVB	2210739	2444153	84.01%	4.106%
71	12.922	945	948	950 rBV2	167397	267694	9.20%	0.450%

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72	13.037	954	958	959	rBV2	218624	423921	14.57%	0.712%
73	13.094	959	963	965	rBV3	120980	254688	8.75%	0.428%
74	13.139	965	967	970	rBV	194773	248361	8.54%	0.417%
75	13.231	973	975	976	rBV	140466	136418	4.69%	0.229%
76	13.254	976	977	980	rBV	117056	176479	6.07%	0.296%
77	13.539	1001	1002	1006	rBV	182007	249553	8.58%	0.419%
78	13.654	1009	1012	1015	rBV2	231155	509434	17.51%	0.856%
79	13.699	1015	1016	1019	rVV2	210351	264907	9.11%	0.445%
80	13.757	1019	1021	1023	rVV	328842	376501	12.94%	0.632%
81	13.894	1029	1033	1035	rBV2	1260306	2273525	78.15%	3.819%
82	13.928	1035	1036	1040	rVB	1093356	949111	32.62%	1.594%
83	14.008	1040	1043	1044	rBV2	175393	224746	7.73%	0.378%
84	14.065	1046	1048	1050	rBV3	75378	146223	5.03%	0.246%
85	14.294	1065	1068	1069	rVB	139925	176971	6.08%	0.297%
86	14.602	1093	1095	1099	rBV4	75668	161983	5.57%	0.272%
87	14.762	1108	1109	1111	rBV2	103380	119564	4.11%	0.201%
88	14.911	1120	1122	1126	rBV	773349	1631852	56.09%	2.741%
89	15.014	1129	1131	1136	rVB	206605	312252	10.73%	0.525%
90	15.197	1144	1147	1150	rVB	394514	564501	19.40%	0.948%
91	15.254	1150	1152	1154	rVB	638351	783223	26.92%	1.316%
92	15.311	1154	1157	1158	rBV	352085	529480	18.20%	0.889%
93	15.711	1189	1192	1194	rBV	84454	145163	4.99%	0.244%
94	16.305	1242	1244	1247	rBV3	77044	138826	4.77%	0.233%
95	16.488	1257	1260	1265	rVB2	146321	361970	12.44%	0.608%
96	16.648	1271	1274	1279	rVB	319739	622979	21.41%	1.046%
97	16.808	1286	1288	1291	rBV	60008	130213	4.48%	0.219%
98	17.060	1307	1310	1316	rVB	198329	433999	14.92%	0.729%
99	17.288	1327	1330	1336	rVB2	82817	237253	8.16%	0.399%
100	18.031	1391	1395	1400	rBV6	81294	329267	11.32%	0.553%

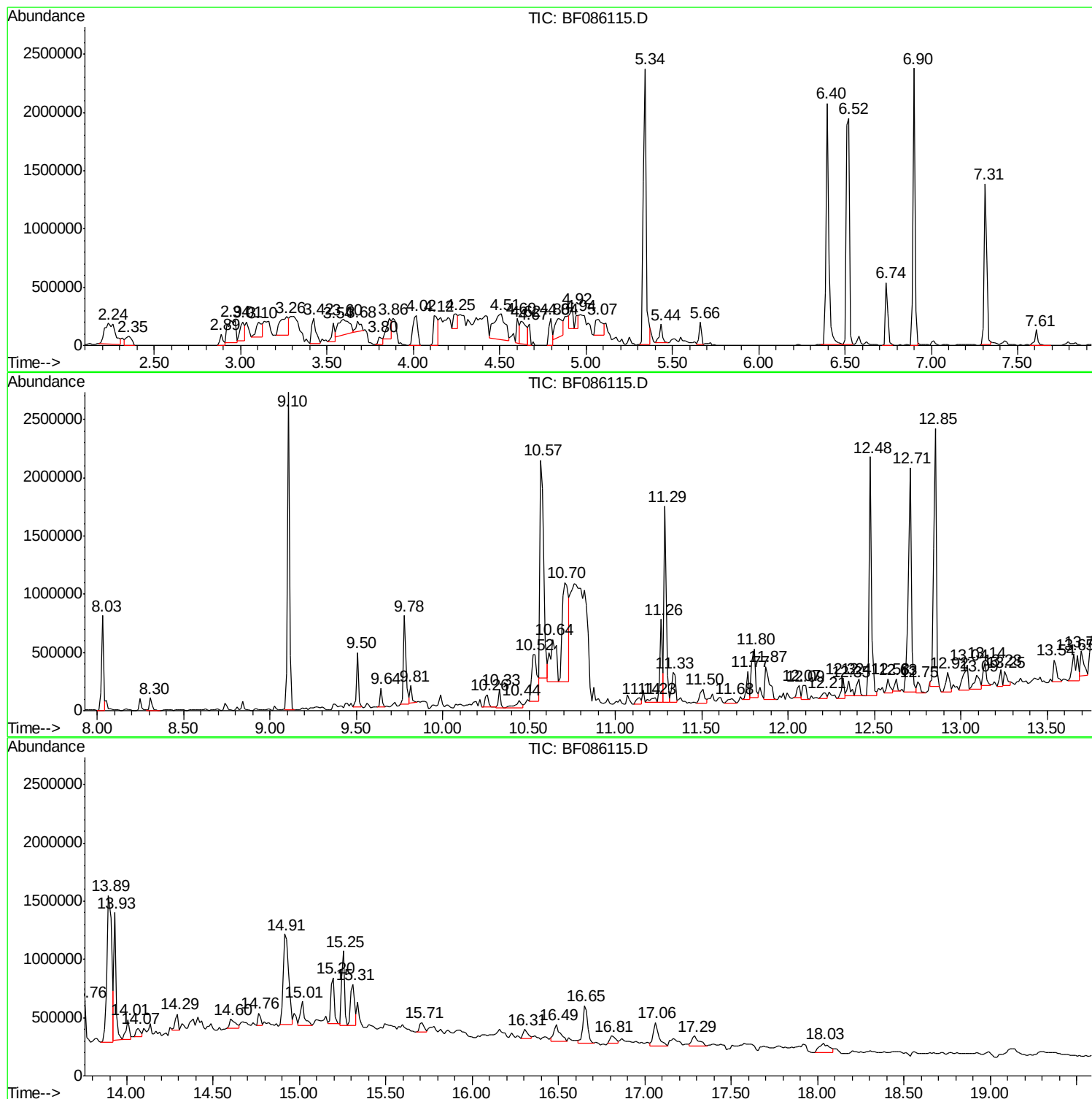
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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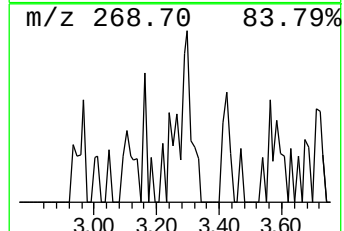
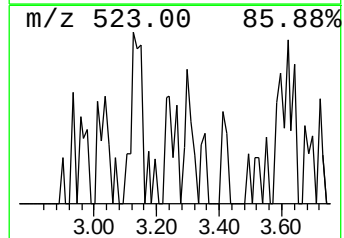
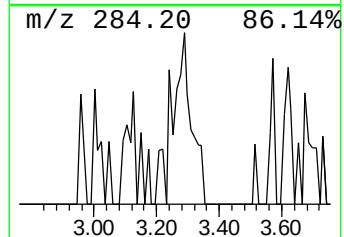
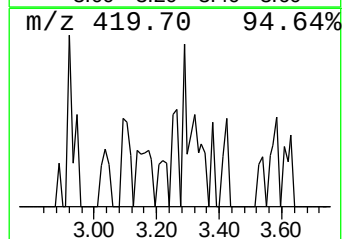
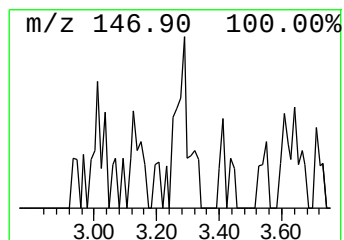
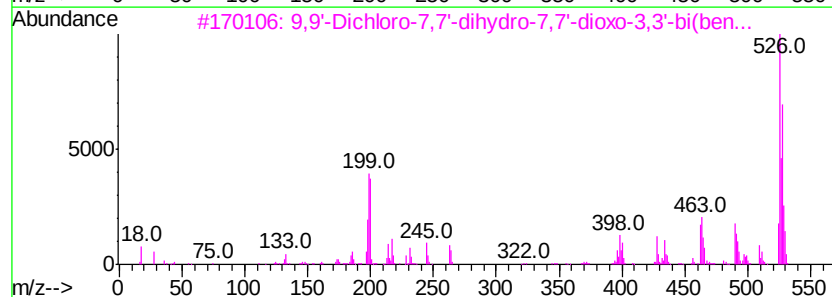
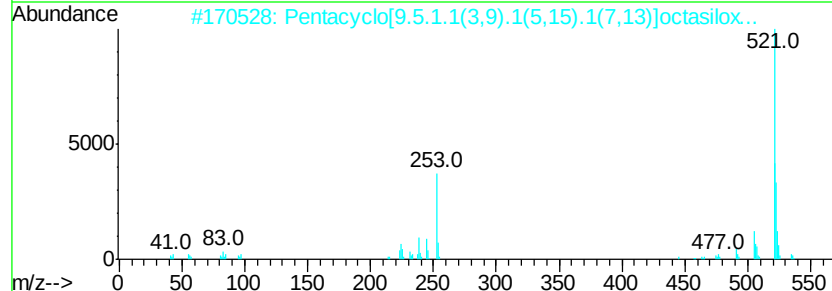
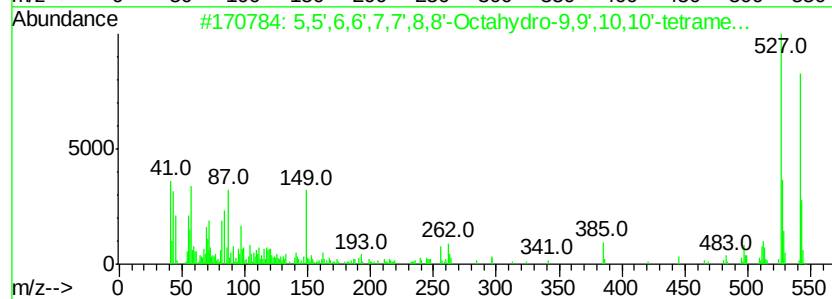
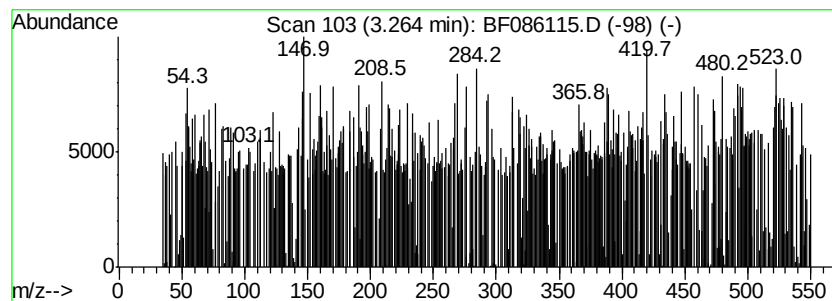
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown3.26 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.26	19.15 ng	555497	1,4-Dichlorobenzene-d4	6.74

Hit#	of	3	Tentative ID	MW	MolForm	CAS#	Qual
1	5,5',6,6',7,7',8,8'-Octahydro-9,...	542	C32H30O8	099968-11-3	25		
2	Pentacyclo[9.5.1.1(3,9).1(5,15)...]	536	C8H24O12Si8	017865-85-9	9		
3	9,9'-Dichloro-7,7'-dihydro-7,7'-...	526	C34H16Cl2O2	024092-43-1	9		



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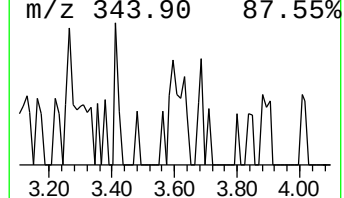
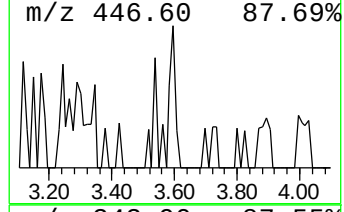
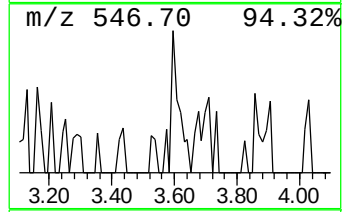
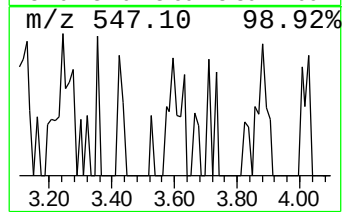
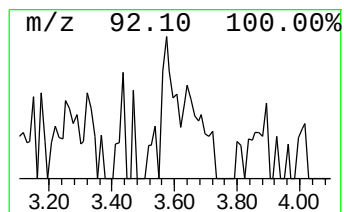
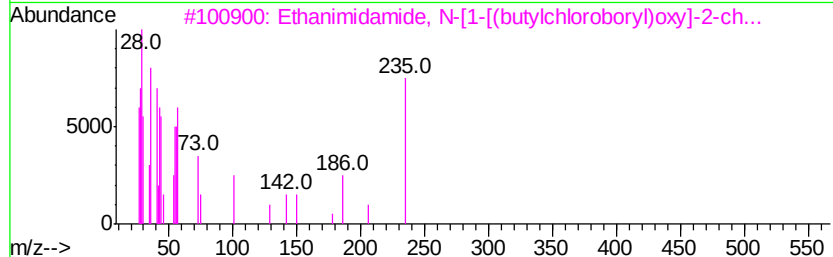
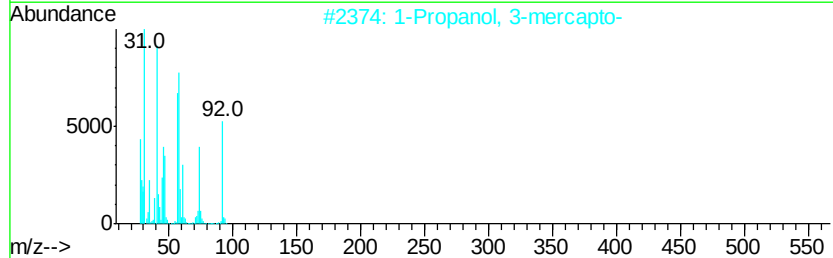
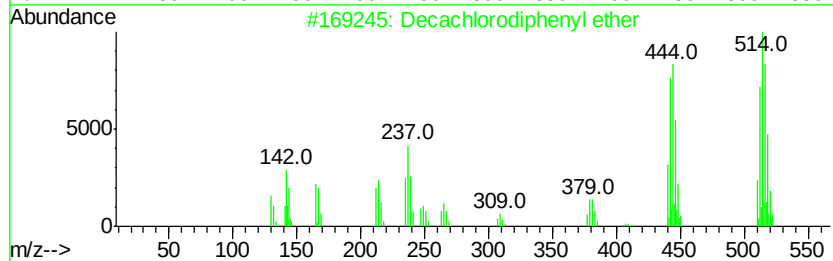
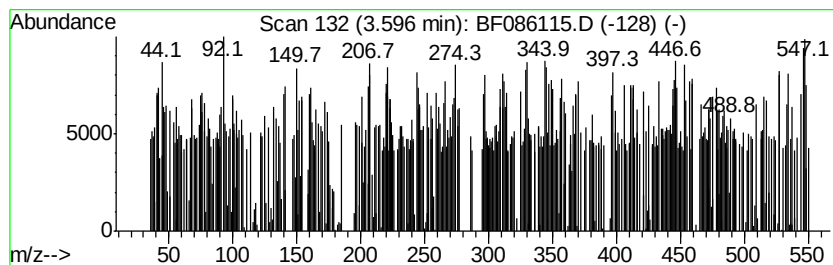
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 unknown3.60 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.60	21.81 ng	632769	1,4-Dichlorobenzene-d4	6.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decachlorodiphenyl ether	510	C12Cl10O	031710-30-2	25
2		1-Propanol, 3-mercapto-	92	C3H8OS	019721-22-3	15
3		Ethanimidamide, N-[1-[(butylchloro...	270	C8H14BCl3N2O	070609-32-4	10
4		Decabenzylplumbocene	1239	C80H70Pb	1000105-82-3	10
5		2,4(1H,3H)-Pyrimidinedione, 6-ch...	191	C4H2ClN3O4	006630-30-4	10



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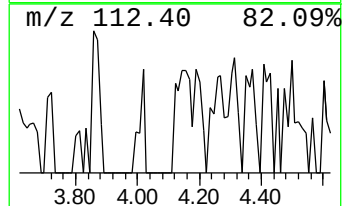
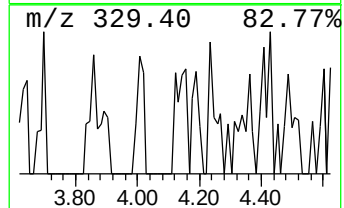
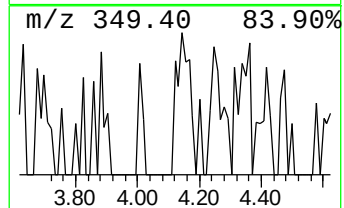
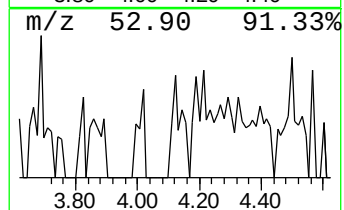
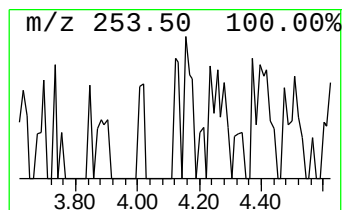
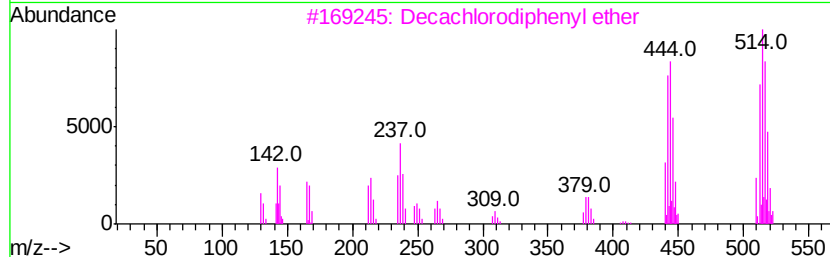
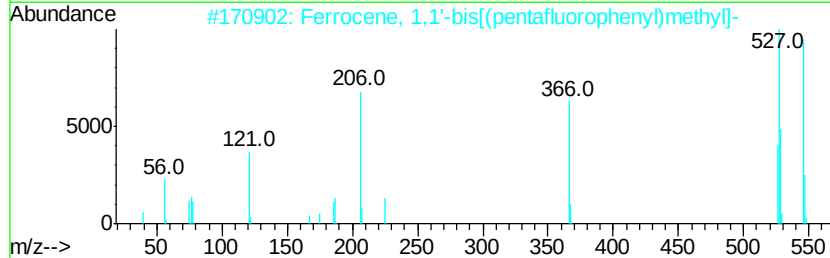
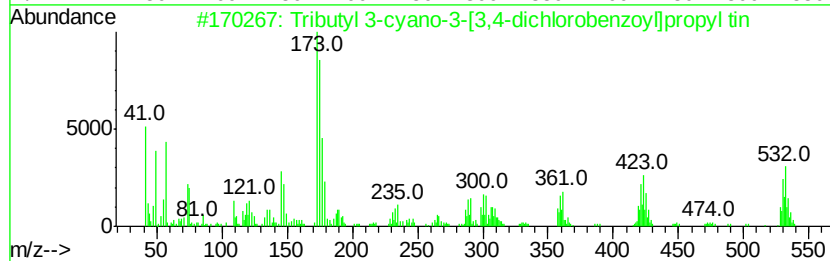
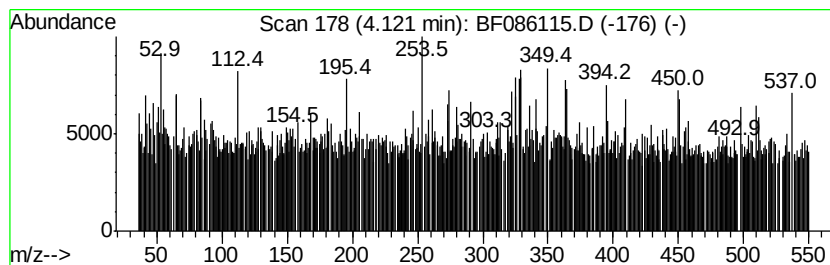
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Peak Number 7 Tributyl 3-cyano-3-[3,4-dic... Concentration Rank 13

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4.12	17.22 ng	499581	1,4-Dichlorobenzene-d4	6.74	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tributyl 3-cyano-3-[3,4-dichloro...	531	C23H35Cl2NOSn	1000253-30-2	55
2	Ferrocene, 1,1'-bis[(pentafluoro...	546	C24H12F10Fe	055494-16-1	15
3	Decachlorodiphenyl ether	510	C12Cl10O	031710-30-2	15
4	Pregna-2,4-dien-20-one, 17-(acet...	546	C30H50O5Si2	069833-57-4	10
5	Osmium methyl, (.eta.-5-cyclopen...	548	C22H30Osp2	1000158-92-4	9



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Sample : H2074-08
Misc :
ALS Vial : 26 Sample Multiplier: 1

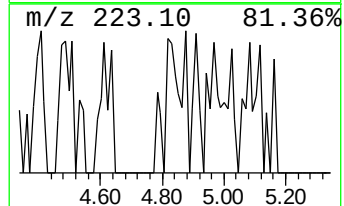
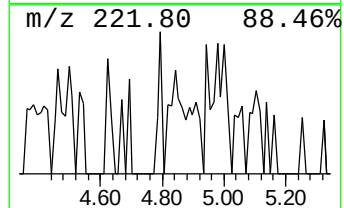
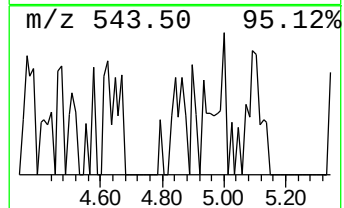
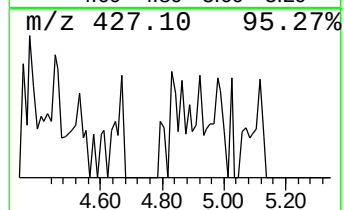
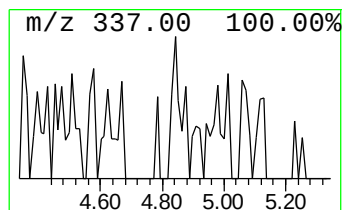
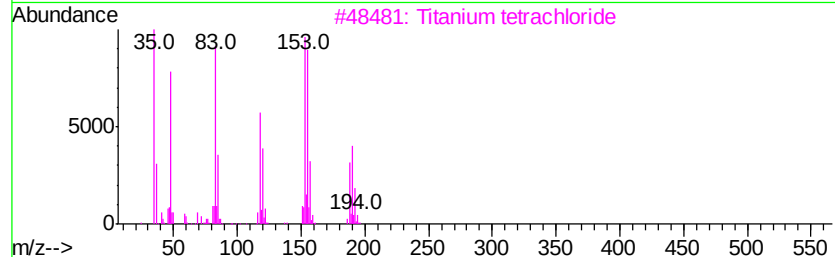
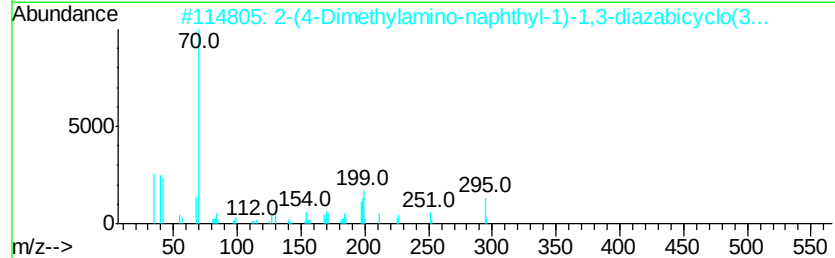
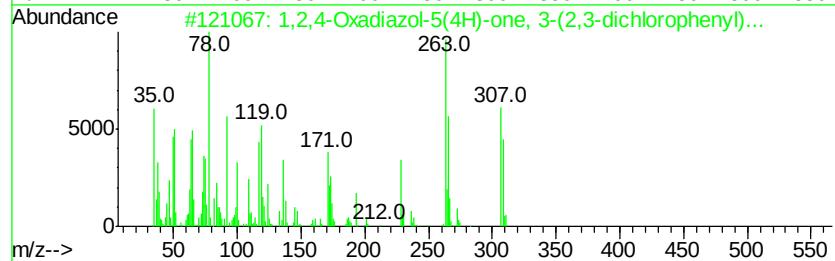
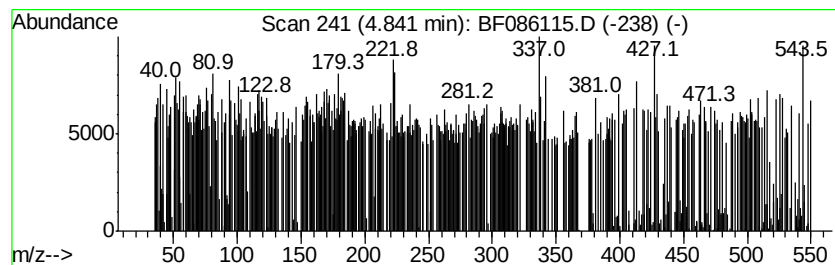
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ClientSampleId :
DUP-032916

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 1,2,4-Oxadiazol-5(4H)-one, ... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
4.84	16.39 ng	475460	1,4-Dichlorobenzene-d4	6.74	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4-Oxadiazol-5(4H)-one, 3-(2,...	307	C13H7Cl2N3O2	288246-51-5	56
2	2-(4-Dimethylamino-naphthyl-1)-1...	295	C18H21N3O	1000144-19-0	30
3	Titanium tetrachloride	188	Cl4Ti	007550-45-0	30
4	1,3,5-Triazine, 2,4,6-trichloro-	183	C3Cl3N3	000108-77-0	16
5	N-Nitrosothiazolidine	118	C3H6N2OS	073870-33-4	16



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040616\
Data File : BF086115.D
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Misc :
ALS Vial : 26 Sample Multiplier: 1

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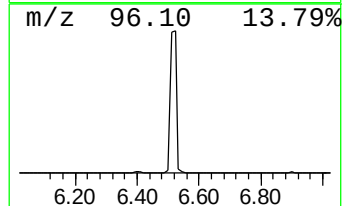
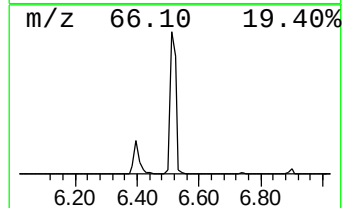
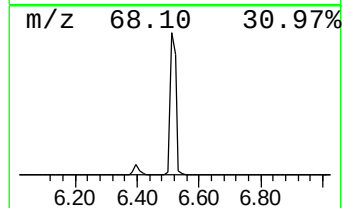
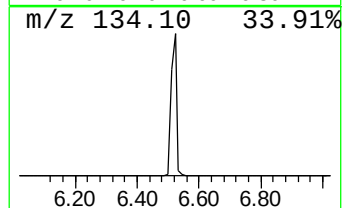
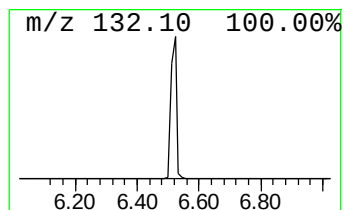
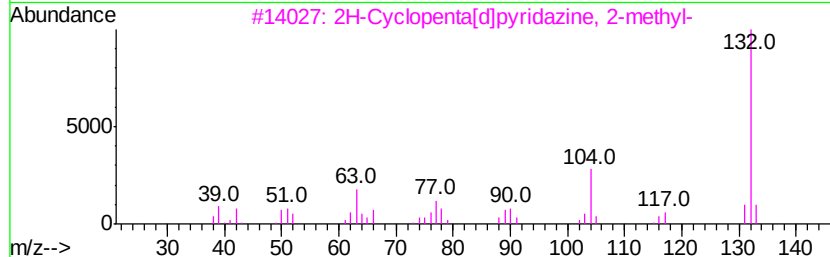
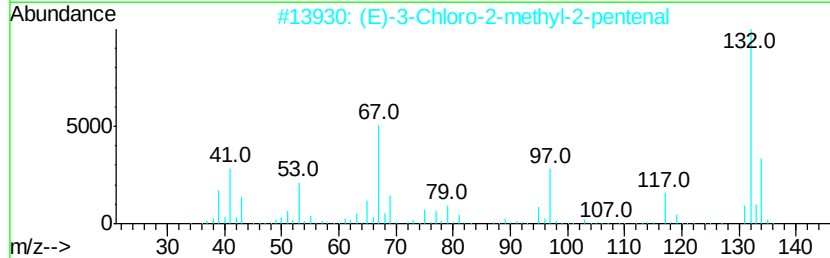
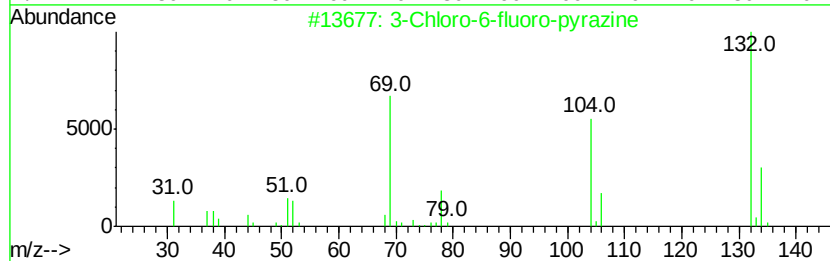
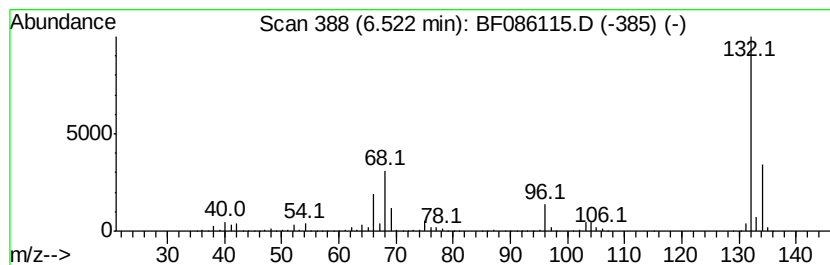
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 unknown6.52 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	93.69 ng	2718350	1,4-Dichlorobenzene-d4	6.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3		2H-Cyclopentaf[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
4		4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040616\
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ClientSampleId :
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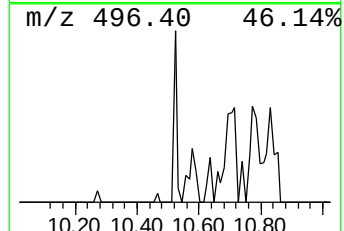
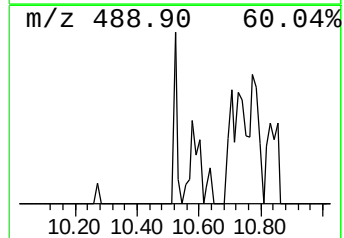
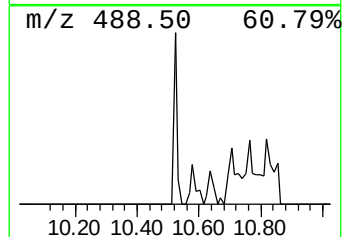
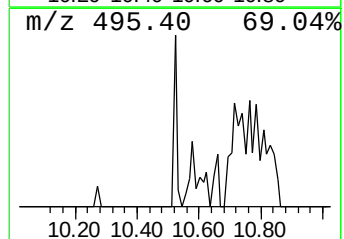
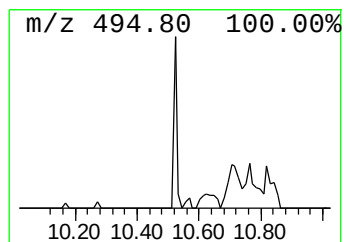
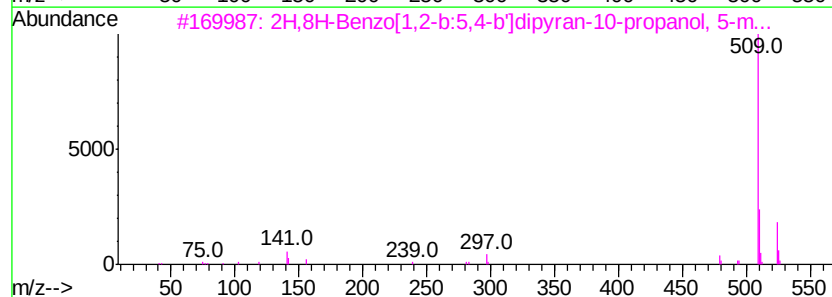
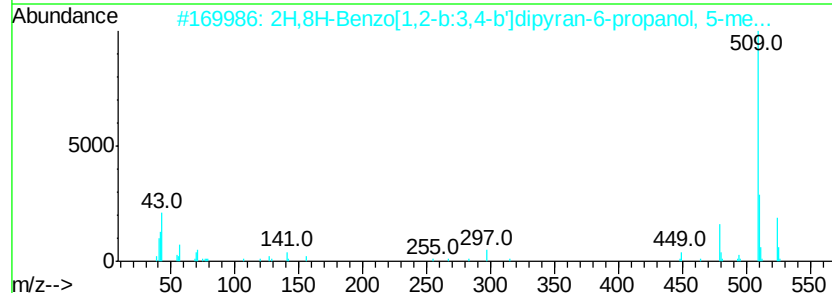
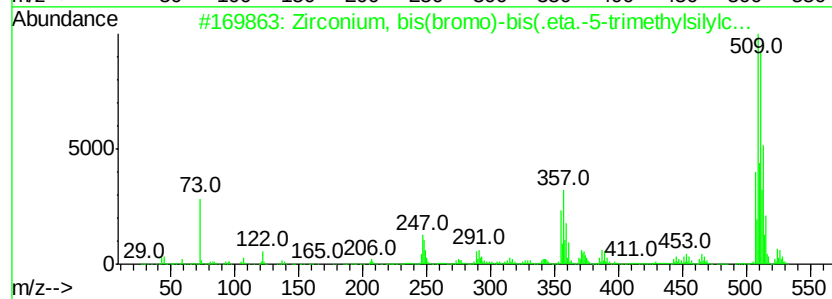
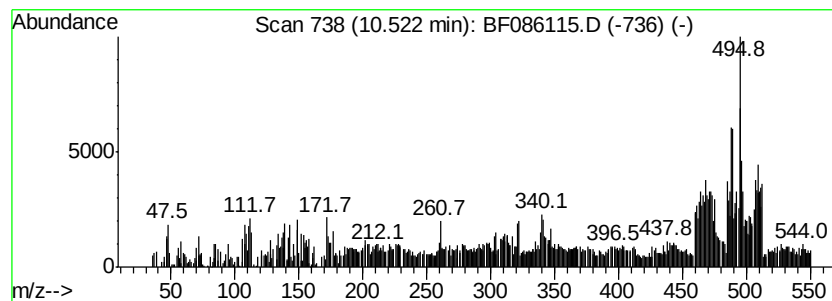
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 unknown10.52 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.52	25.96 ng	975486	Phenanthrene-d10	11.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	3	Zirconium, bis(bromo)-bis(.eta.-...	522	C16H26Br2Si2Zr	1000163-27-2	37
2		2H,8H-Benzo[1,2-b:3,4-b']dipyr...	524	C27H28N2O9	056335-86-5	9
3		2H,8H-Benzo[1,2-b:5,4-b']dipyr...	524	C27H28N2O9	026537-43-9	1



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040616\
Data File : BF086115.D
Acq On : 6 Apr 2016 23:24
Operator : UM/SJ
Sample : H2074-08
Misc :
ALS Vial : 26 Sample Multiplier: 1

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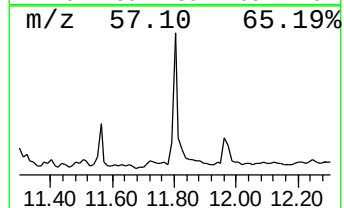
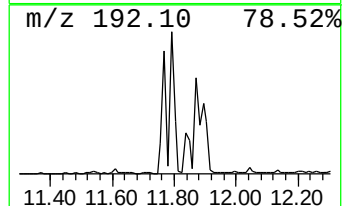
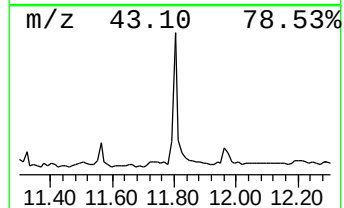
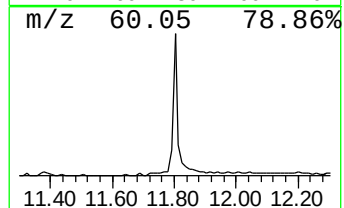
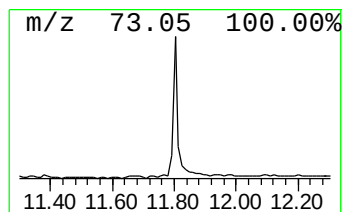
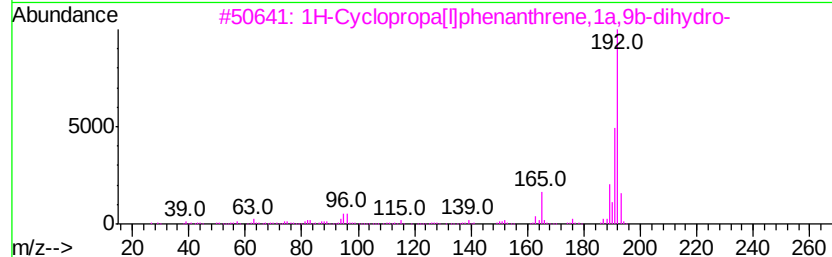
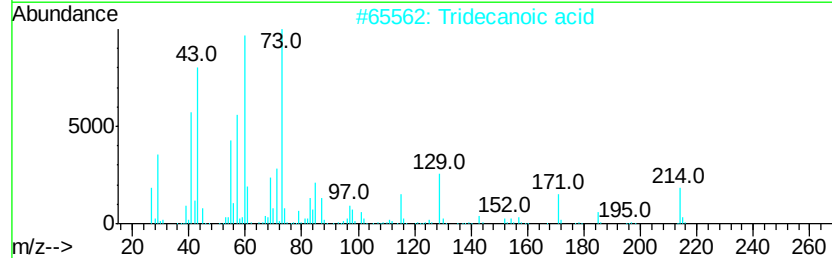
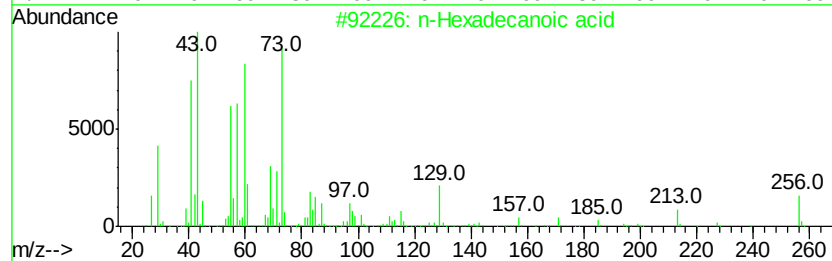
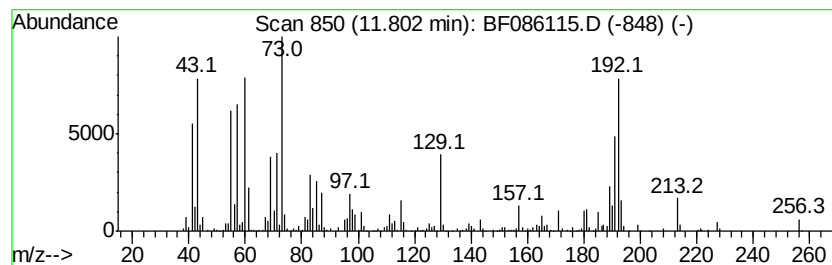
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 n-Hexadecanoic acid Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	14.92 ng	560727	Phenanthrene-d10	11.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	60
2		Tridecanoic acid	214	C13H26O2	000638-53-9	55
3		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	50
4		Naphtho[2,3-b]norborene	192	C15H12	107426-38-0	47
5		n-Decanoic acid	172	C10H20O2	000334-48-5	45



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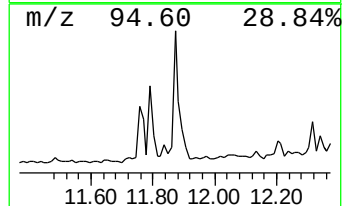
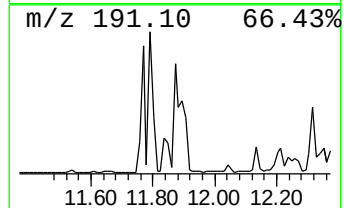
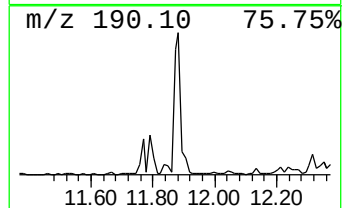
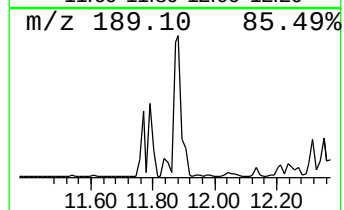
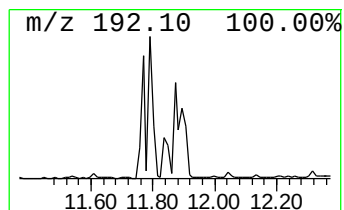
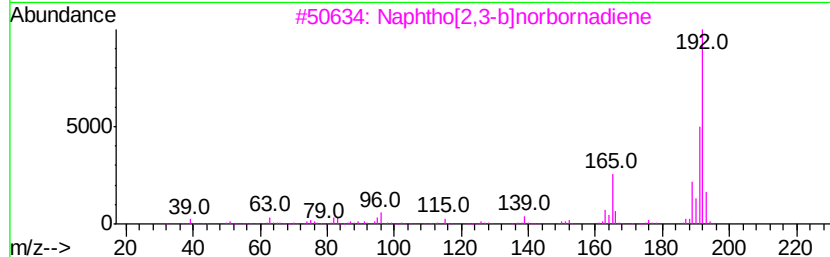
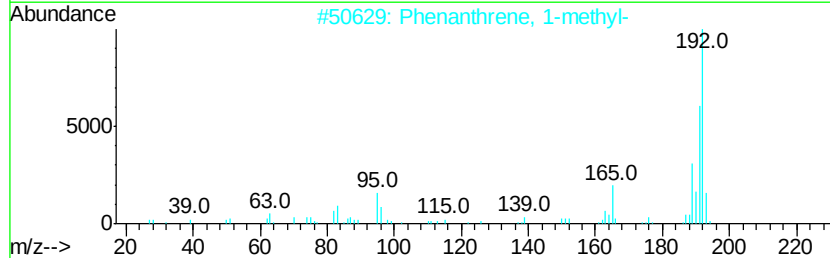
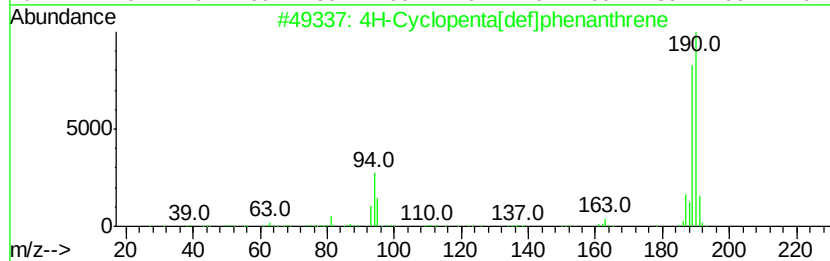
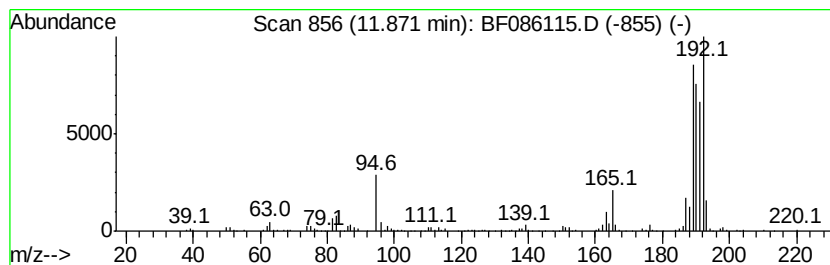
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 4H-Cyclopenta[def]phenanthrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	14.00 ng	525989	Phenanthrene-d10	11.27

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
3		Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	46
4		1a,9b-Dihydro-1H-cyclopropa[alan...]	192	C15H12	006109-24-6	46
5		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040616\
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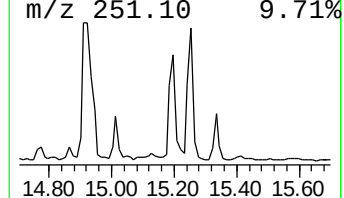
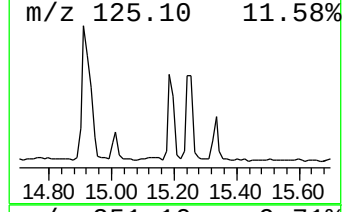
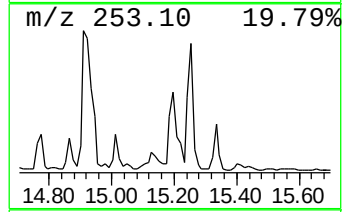
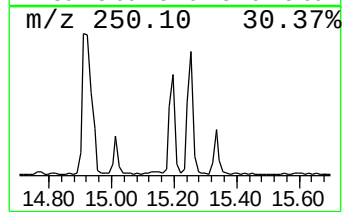
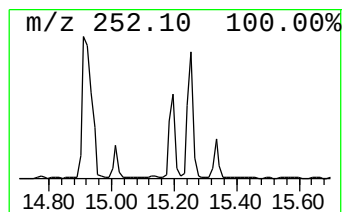
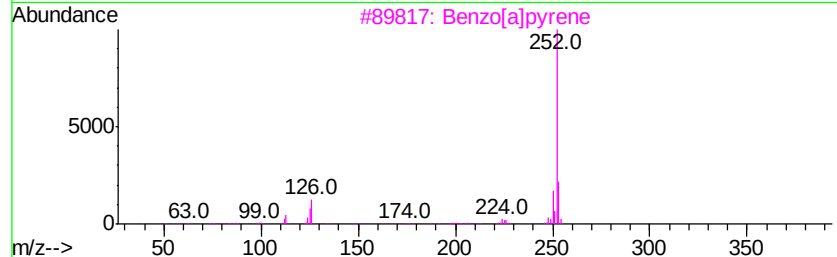
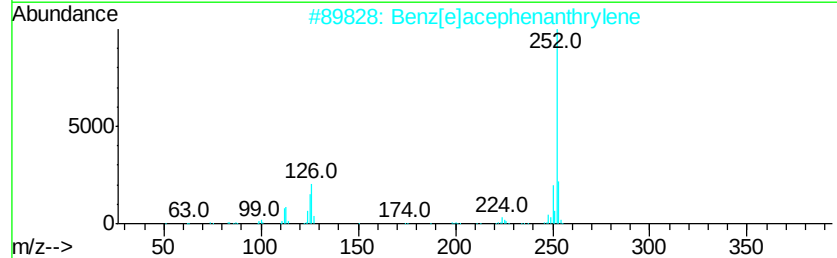
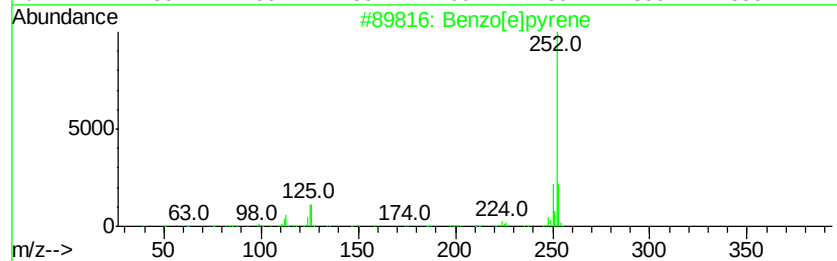
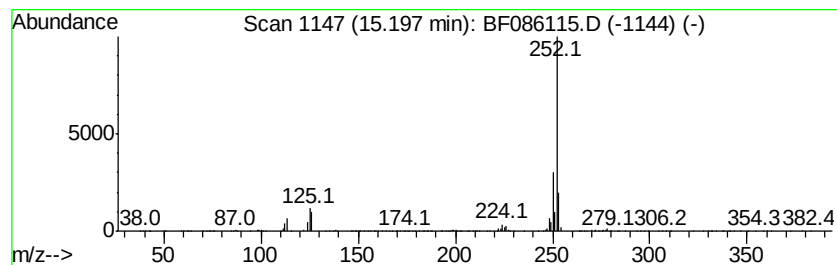
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	21.32 ng	564501	Perylene-d12	15.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	95
3		Benzo[a]pyrene	252	C20H12	000050-32-8	94
4		Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
5		Perylene	252	C20H12	000198-55-0	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040616\
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ALS Vial : 26 Sample Multiplier: 1

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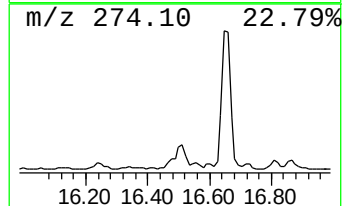
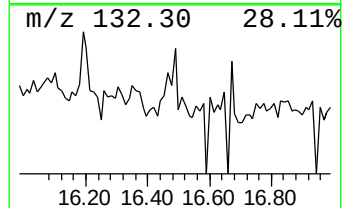
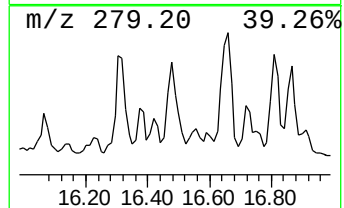
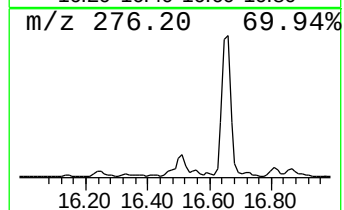
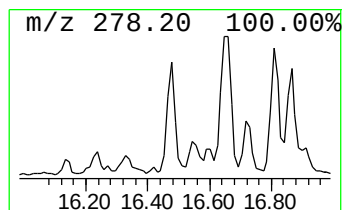
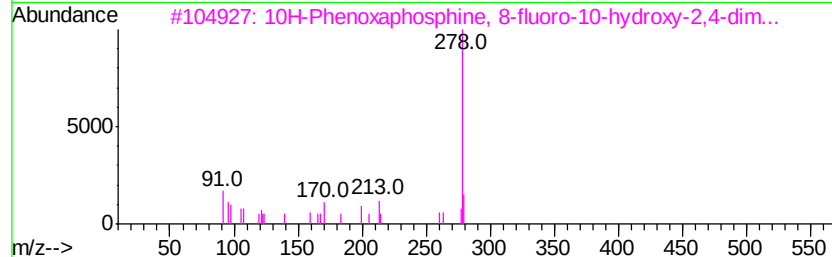
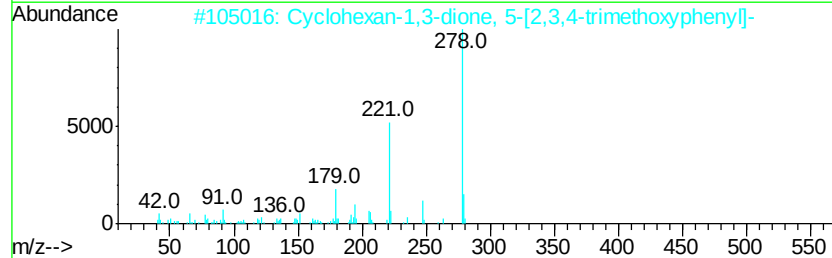
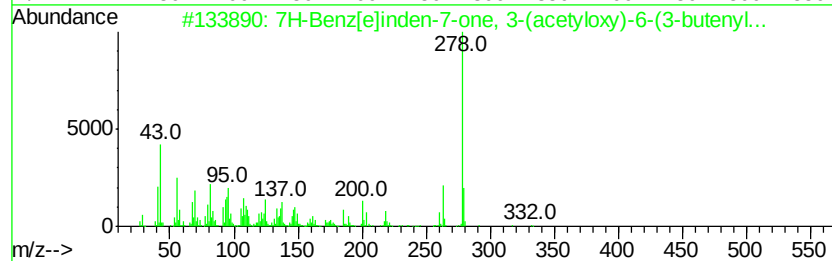
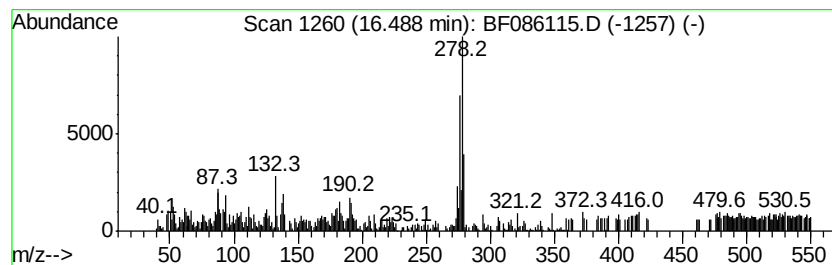
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 unknown16.49 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	13.67 ng	361970	Perylene-d12	15.31

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	7H-Benz[e]inden-7-one, 3-(acetyl...	332	C21H32O3	058673-15-7	41
2		Cyclohexan-1,3-dione, 5-[2,3,4-t...	278	C15H18O5	119101-24-5	38
3		10H-Phenoxaphosphine, 8-fluoro-1...	278	C14H12F03P	037041-13-7	38
4		Benzo[b]triphenylene	278	C22H14	000215-58-7	38
5		Chromium, cycloheptatrienyl-(pen...	278	C17H22Cr	1000157-07-5	38



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040616\
Data File : BF086115.D
Acq On : 6 Apr 2016 23:24
Operator : UM/SJ
Sample : H2074-08
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DUP-032916

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown3.26	3.26	19.1	ng	555497	1	6.74	580278	20.0
unknown3.60	3.60	21.8	ng	632769	1	6.74	580278	20.0
Tributyl 3-cyano-...	4.12	17.2	ng	499581	1	6.74	580278	20.0
1,2,4-Oxadiazol-5...	4.84	16.4	ng	475460	1	6.74	580278	20.0
unknown6.52	6.52	93.7	ng	2718350	1	6.74	580278	20.0
unknown10.52	10.52	26.0	ng	975486	4	11.27	751479	20.0
n-Hexadecanoic acid	11.80	14.9	ng	560727	4	11.27	751479	20.0
4H-Cyclopenta[def...	11.87	14.0	ng	525989	4	11.27	751479	20.0
Benzo[e]pyrene	15.20	21.3	ng	564501	6	15.31	529480	20.0
unknown16.49	16.49	13.7	ng	361970	6	15.31	529480	20.0