

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110724\
 Data File : BF140276.D
 Acq On : 07 Nov 2024 15:46
 Operator : RC/JU
 Sample : P4707-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-110424

Quant Time: Nov 07 16:29:48 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 05 16:47:56 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

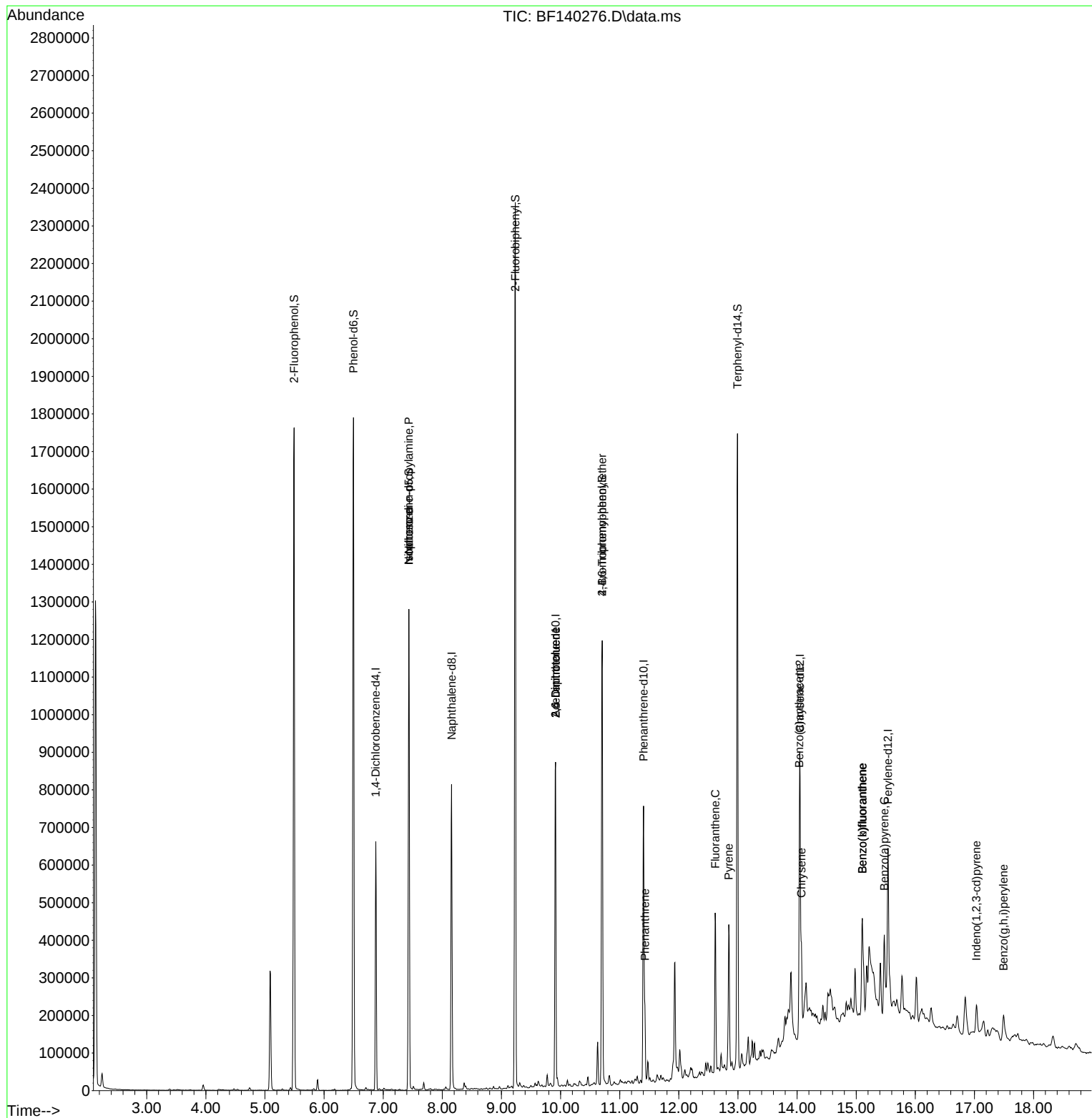
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	131850	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	488380	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	267166	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	390269	20.000	ng	0.00
76) Chrysene-d12	14.051	240	279355	20.000	ng	-0.01
86) Perylene-d12	15.539	264	250298	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	647448	81.377	ng	0.00
7) Phenol-d6	6.498	99	821993	80.323	ng	0.00
23) Nitrobenzene-d5	7.433	82	547743	55.762	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	199888	75.692	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1025157	61.272	ng	0.00
79) Terphenyl-d14	12.992	244	844361	49.513	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.433	70	75246	11.526	ng	# 76
25) Isophorone	7.433	82	541126	31.993	ng	# 67
51) 2,6-Dinitrotoluene	9.916	165	35753	9.244	ng	# 22
57) 2,4-Dinitrotoluene	9.916	165	35753	7.124	ng	# 19
67) 4-Bromophenyl-phenylether	10.704	248	12863	3.061	ng	# 1
71) Phenanthrene	11.427	178	103653	5.565	ng	98
75) Fluoranthene	12.615	202	243419	12.499	ng	99
78) Pyrene	12.845	202	222899	9.664	ng	98
81) Benzo(a)anthracene	14.039	228	154378	8.611	ng	96
83) Chrysene	14.074	228	129153	7.693	ng	97
87) Indeno(1,2,3-cd)pyrene	17.033	276	63787	4.342	ng	96
88) Benzo(b)fluoranthene	15.104	252	232994	15.389	ng	99
89) Benzo(k)fluoranthene	15.104	252	232994	16.771	ng	99
90) Benzo(a)pyrene	15.474	252	121882	9.764	ng	98
92) Benzo(g,h,i)perylene	17.492	276	59737	4.844	ng	98

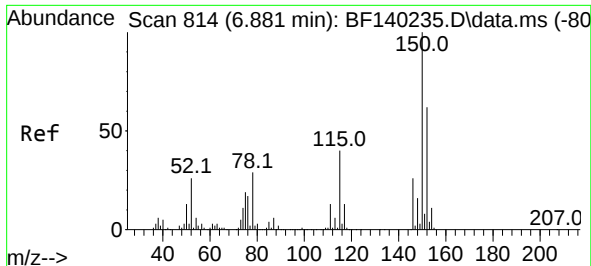
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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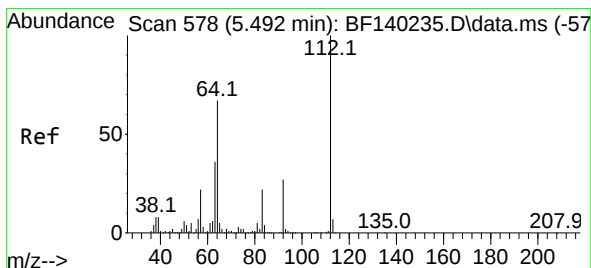
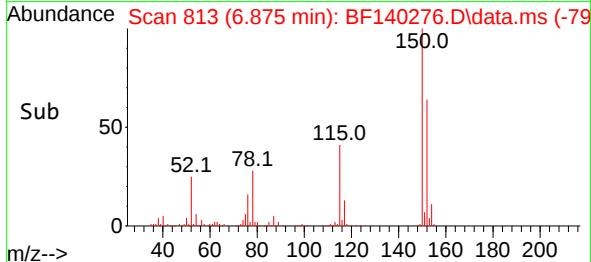
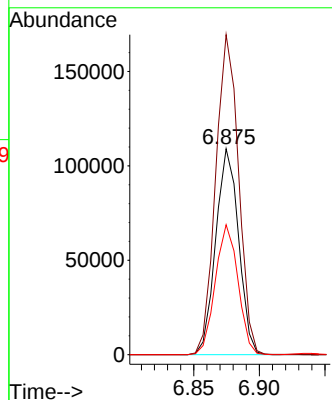
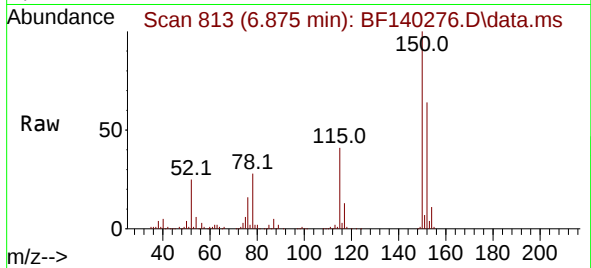




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF140276.D
Acq: 07 Nov 2024 15:46

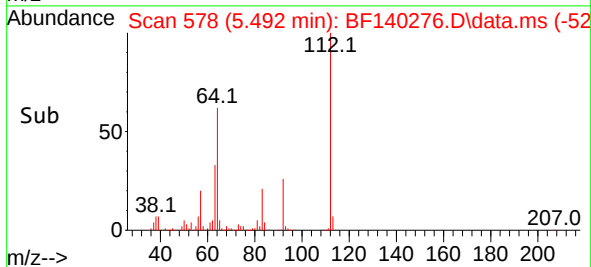
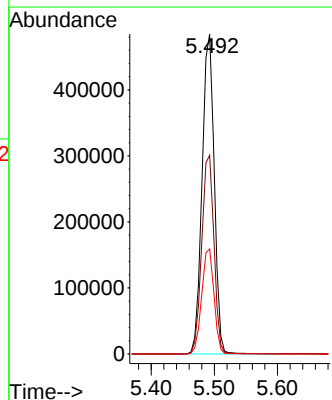
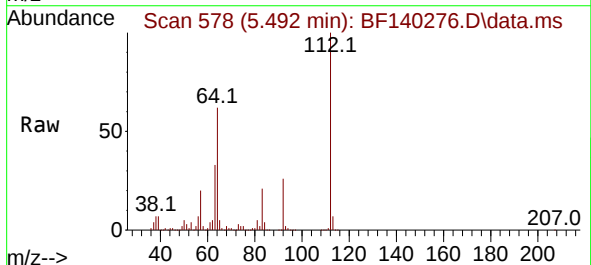
Instrument :
BNA_F
ClientSampleId :
HD-02-110424

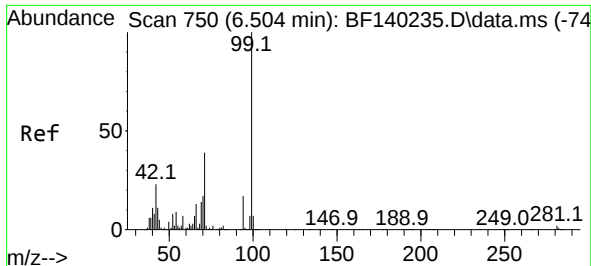
Tgt Ion:152 Resp: 131850
Ion Ratio Lower Upper
152 100
150 155.4 129.4 194.2
115 63.0 51.5 77.3



#5
2-Fluorophenol
Concen: 81.377 ng
RT: 5.492 min Scan# 578
Delta R.T. -0.000 min
Lab File: BF140276.D
Acq: 07 Nov 2024 15:46

Tgt Ion:112 Resp: 647448
Ion Ratio Lower Upper
112 100
64 62.1 53.4 80.2
63 32.8 28.9 43.3

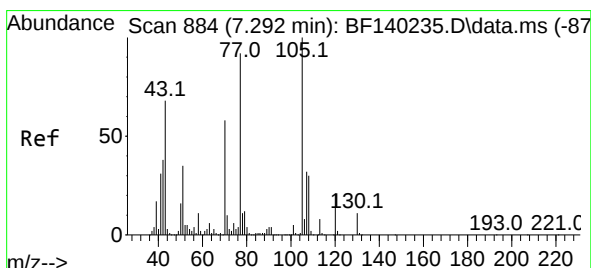
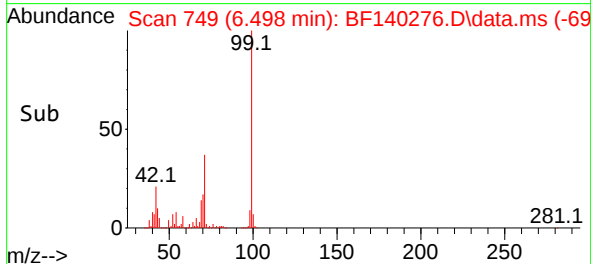
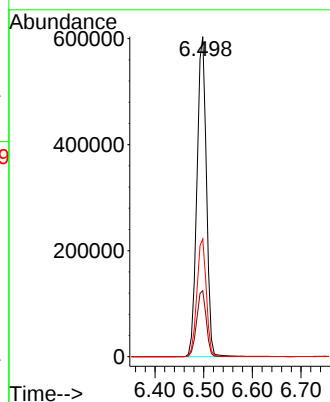
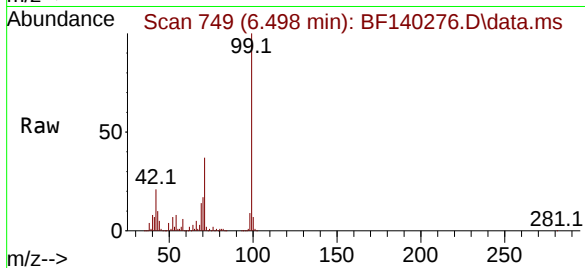




#7
Phenol-d6
Concen: 80.323 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF140276.D
Acq: 07 Nov 2024 15:46

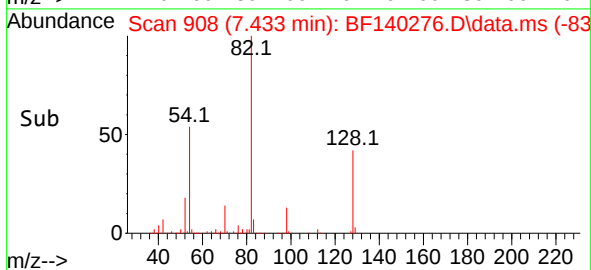
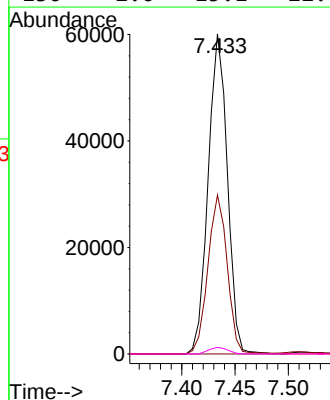
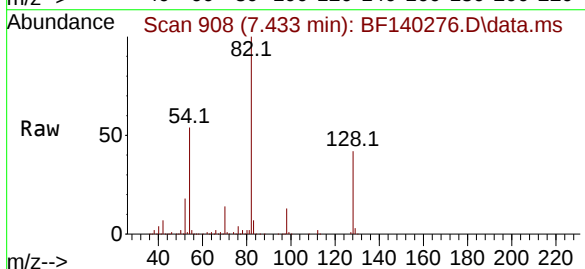
Instrument :
BNA_F
ClientSampleId :
HD-02-110424

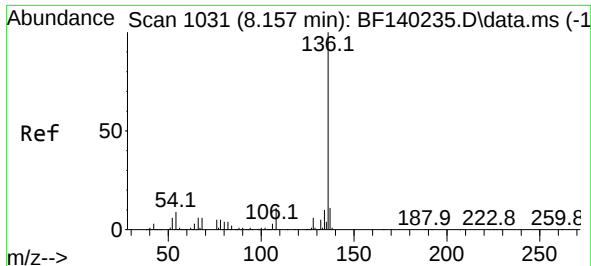
Tgt Ion: 99 Resp: 821993
Ion Ratio Lower Upper
99 100
42 20.6 18.2 27.2
71 36.8 30.9 46.3



#19
n-Nitroso-di-n-propylamine
Concen: 11.526 ng
RT: 7.433 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF140276.D
Acq: 07 Nov 2024 15:46

Tgt Ion: 70 Resp: 75246
Ion Ratio Lower Upper
70 100
42 49.7 52.8 79.2#
101 0.0 7.4 11.2#
130 2.0 15.1 22.7#



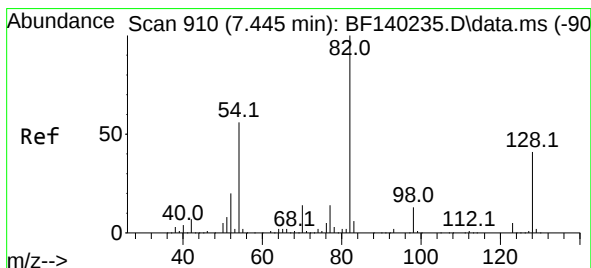
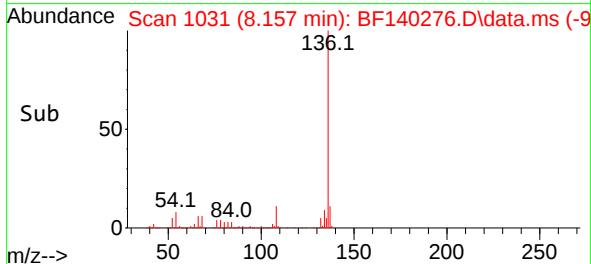
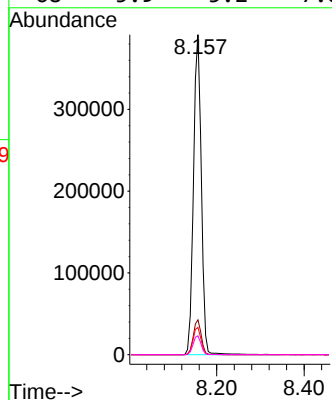
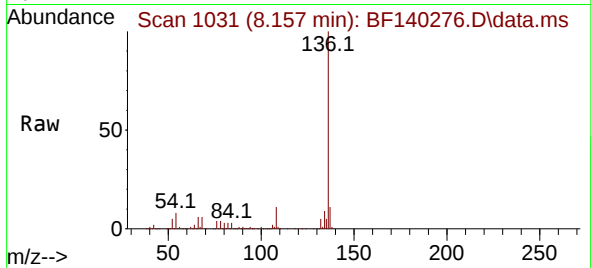


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.000 min
Lab File: BF140276.D
Acq: 07 Nov 2024 15:46

Instrument :
BNA_F
ClientSampleId :
HD-02-110424

Tgt Ion:136 Resp: 488380

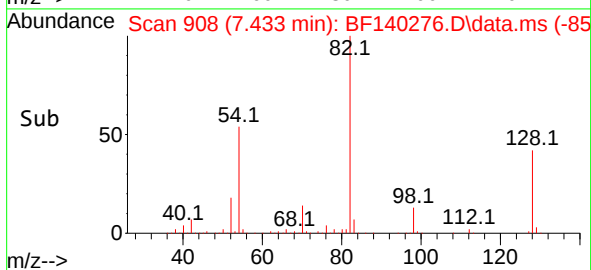
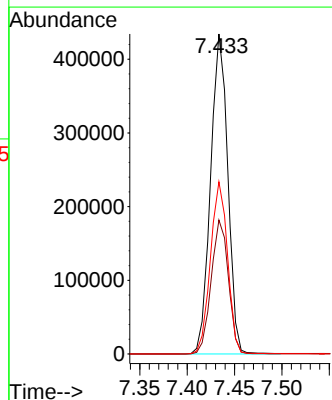
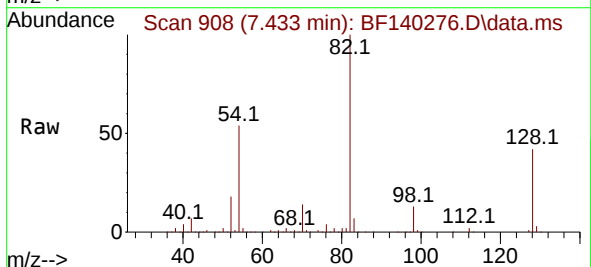
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.6
54	8.5	7.7	11.5
68	5.9	5.2	7.8

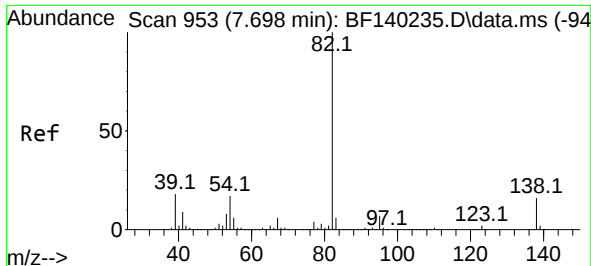


#23
Nitrobenzene-d5
Concen: 55.762 ng
RT: 7.433 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF140276.D
Acq: 07 Nov 2024 15:46

Tgt Ion: 82 Resp: 547743

Ion	Ratio	Lower	Upper
82	100		
128	41.8	32.8	49.2
54	53.8	44.3	66.5

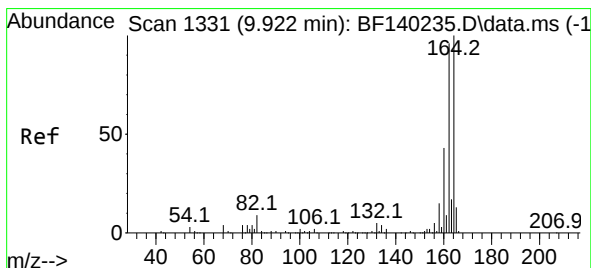
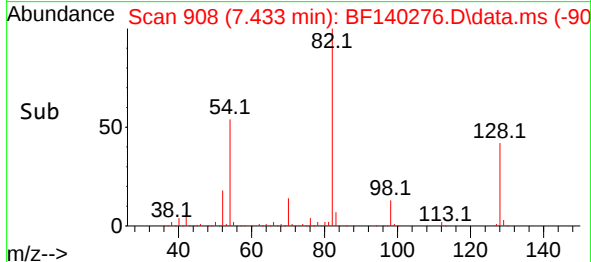
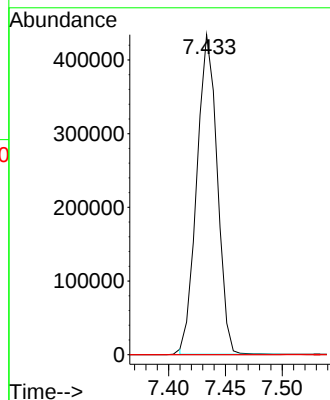
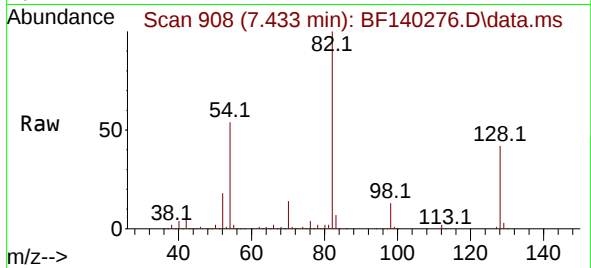




#25
Isophorone
Concen: 31.993 ng
RT: 7.433 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140276.D
Acq: 07 Nov 2024 15:46

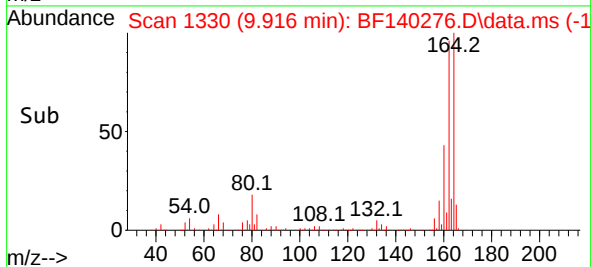
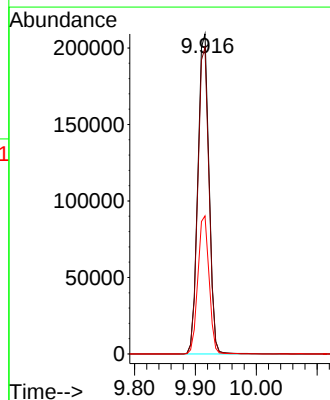
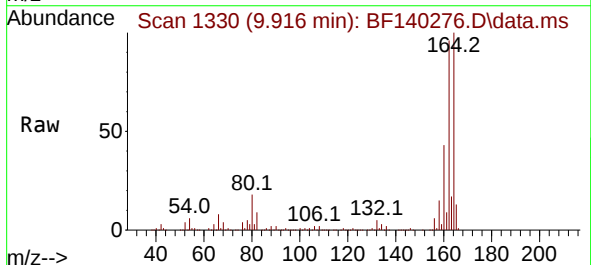
Instrument :
BNA_F
ClientSampleId :
HD-02-110424

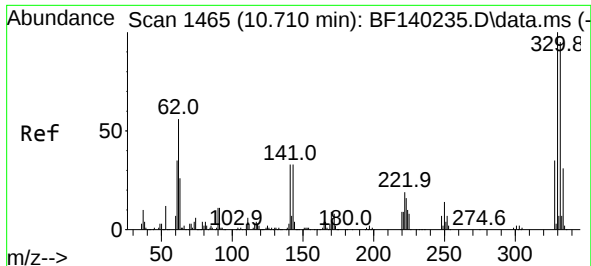
Tgt Ion: 82 Resp: 541126
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF140276.D
Acq: 07 Nov 2024 15:46

Tgt Ion: 164 Resp: 267166
Ion Ratio Lower Upper
164 100
162 95.7 77.0 115.4
160 43.1 34.1 51.1





#42

2,4,6-Tribromophenol

Concen: 75.692 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.006 min

Lab File: BF140276.D

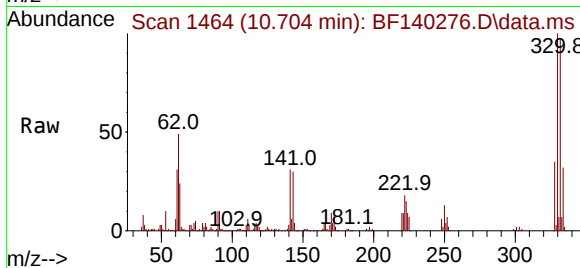
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Instrument :

BNA_F

ClientSampleId :

HD-02-110424



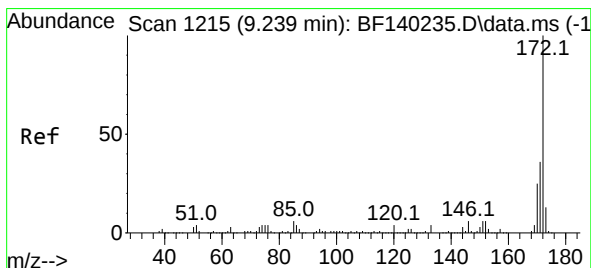
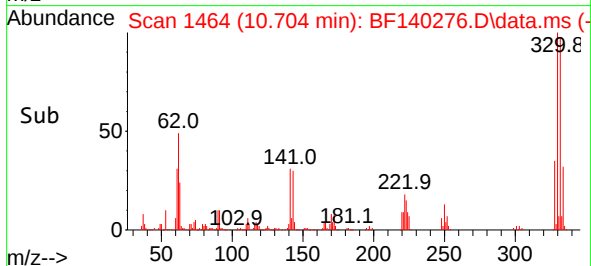
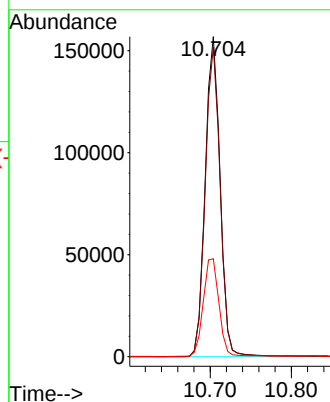
Tgt Ion:330 Resp: 199888

Ion Ratio Lower Upper

330 100

332 97.0 76.4 114.6

141 32.9 27.0 40.4



#45

2-Fluorobiphenyl

Concen: 61.272 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.006 min

Lab File: BF140276.D

Acq: 07 Nov 2024 15:46

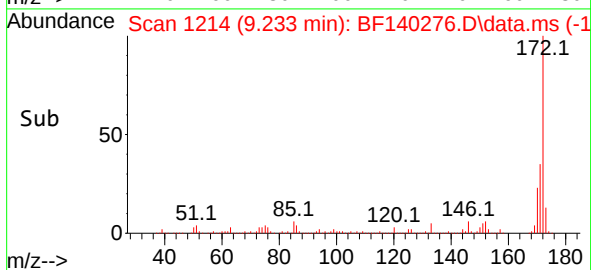
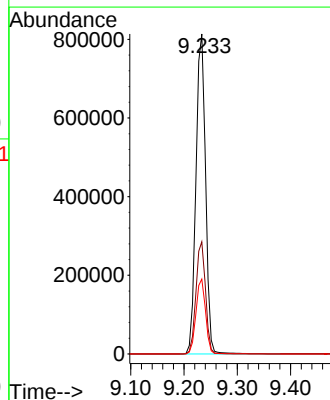
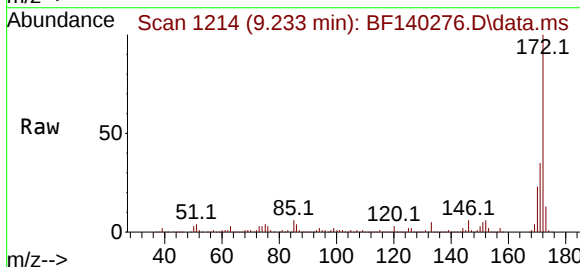
Tgt Ion:172 Resp: 1025157

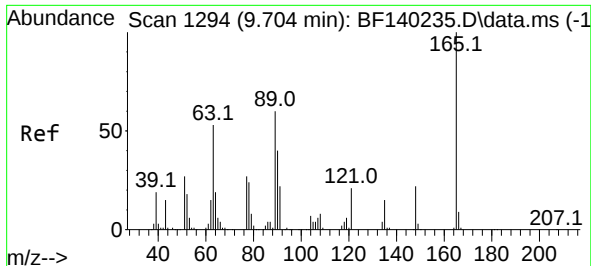
Ion Ratio Lower Upper

172 100

171 35.1 28.8 43.2

170 23.4 19.6 29.4

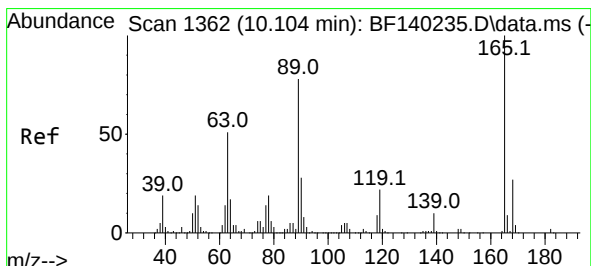
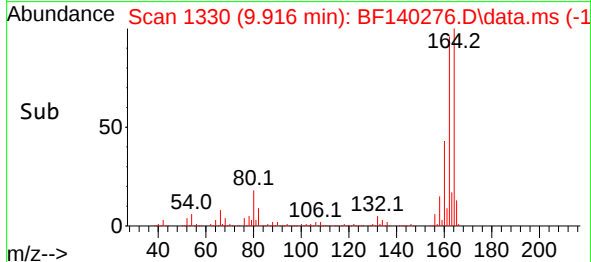
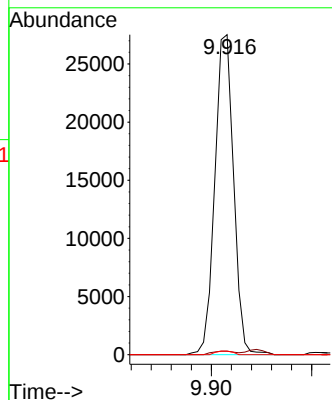
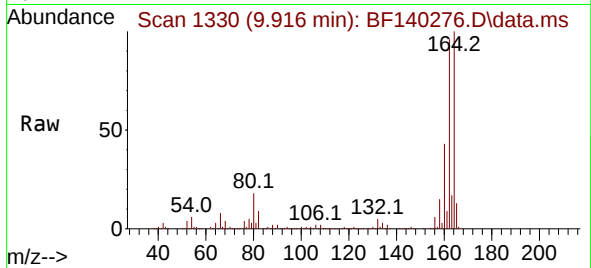




#51
2,6-Dinitrotoluene
Concen: 9.244 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.212 min
Lab File: BF140276.D
Acq: 07 Nov 2024 15:46

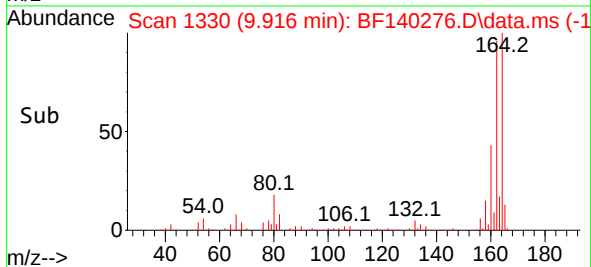
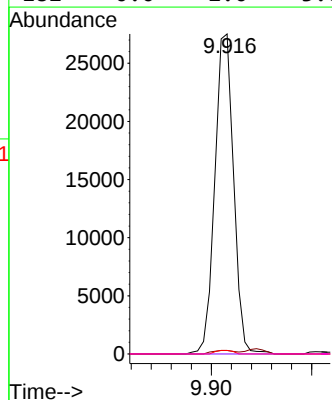
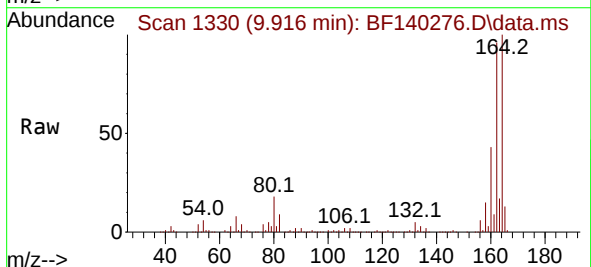
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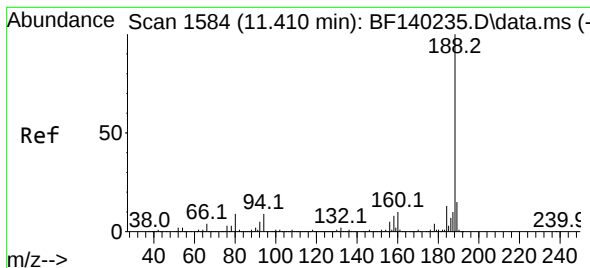
Tgt Ion:165 Resp: 35753
Ion Ratio Lower Upper
165 100
63 1.1 48.8 73.2#
89 1.1 48.1 72.1#



#57
2,4-Dinitrotoluene
Concen: 7.124 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.188 min
Lab File: BF140276.D
Acq: 07 Nov 2024 15:46

Tgt Ion:165 Resp: 35753
Ion Ratio Lower Upper
165 100
63 1.1 41.3 61.9#
89 1.1 62.6 94.0#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140276.D

Acq: 07 Nov 2024 15:46

Instrument :

BNA_F

ClientSampleId :

HD-02-110424

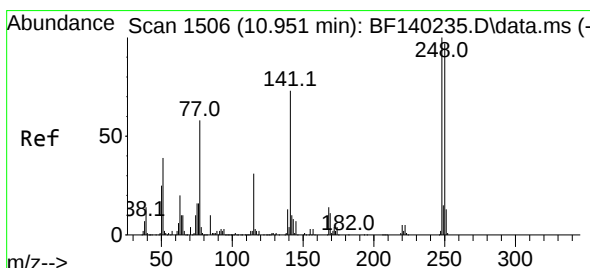
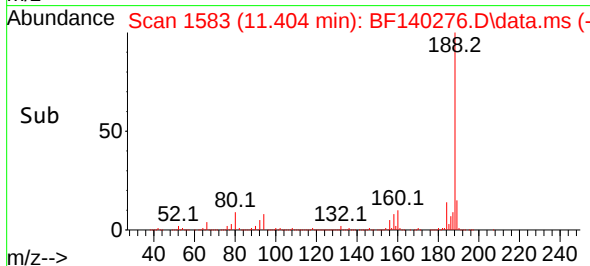
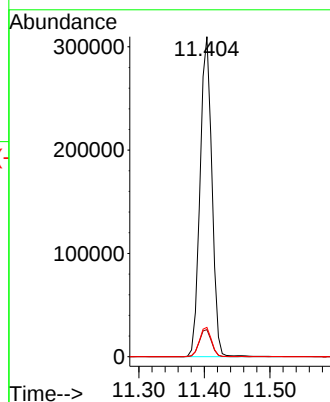
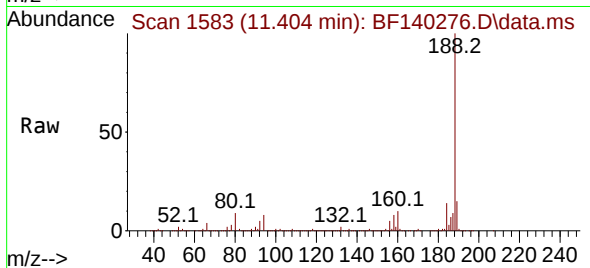
Tgt Ion:188 Resp: 390269

Ion Ratio Lower Upper

188 100

94 8.5 6.9 10.3

80 9.2 7.5 11.3



#67

4-Bromophenyl-phenylether

Concen: 3.061 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.247 min

Lab File: BF140276.D

Acq: 07 Nov 2024 15:46

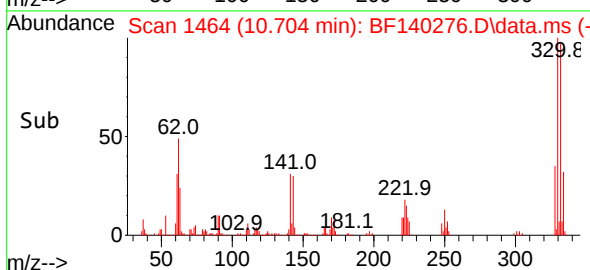
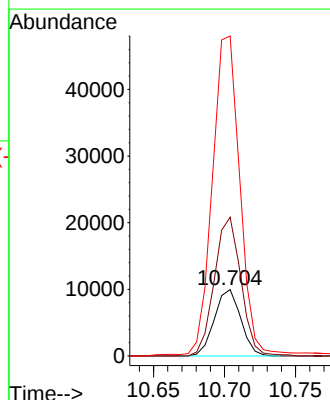
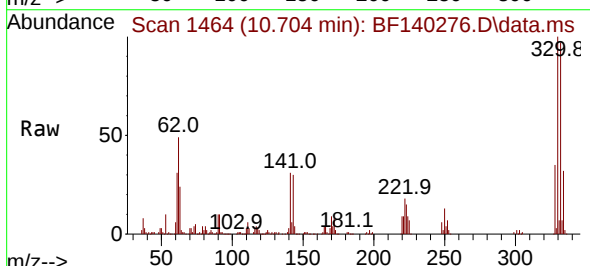
Tgt Ion:248 Resp: 12863

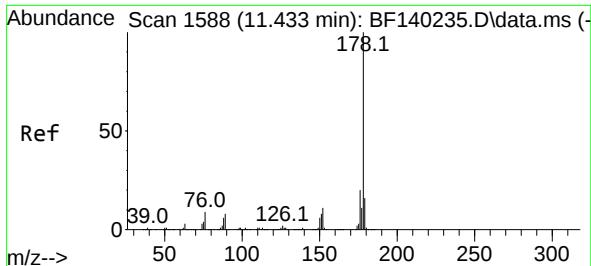
Ion Ratio Lower Upper

248 100

250 208.7 77.9 116.9#

141 481.7 58.6 88.0#

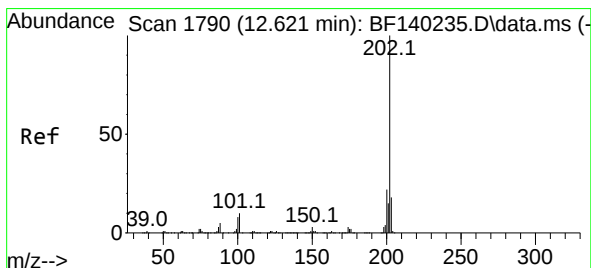
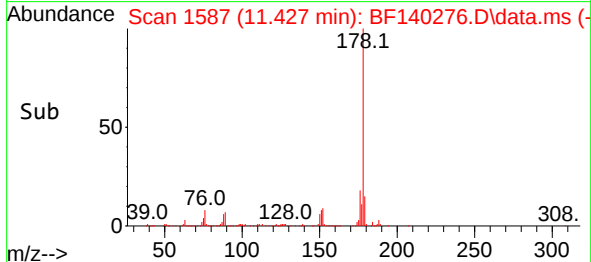
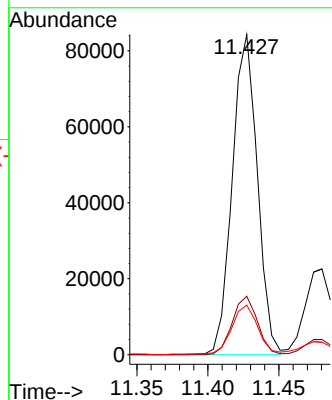
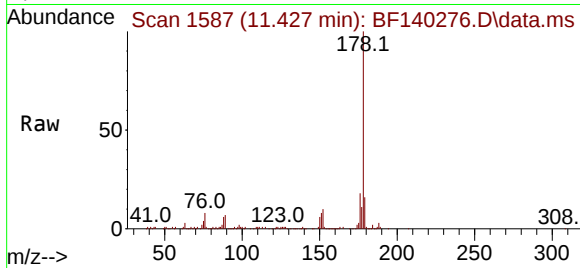




#71
Phenanthrene
Concen: 5.565 ng
RT: 11.427 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140276.D
Acq: 07 Nov 2024 15:46

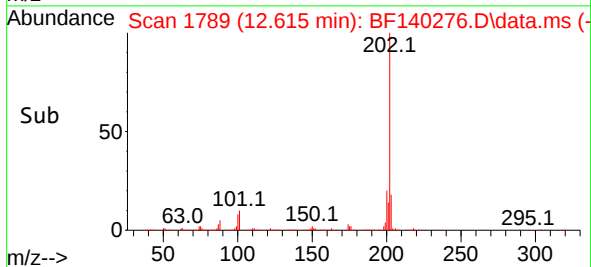
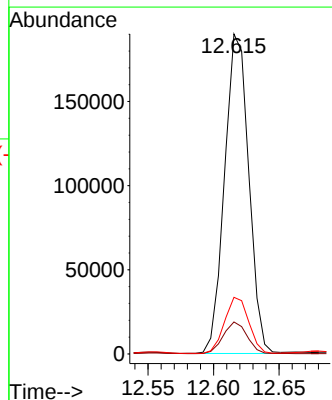
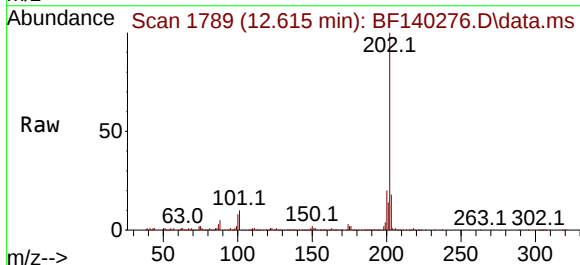
Instrument :
BNA_F
ClientSampleId :
HD-02-110424

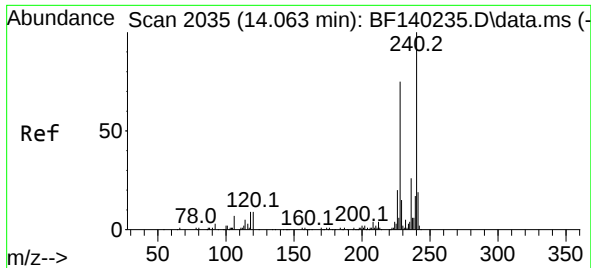
Tgt Ion:178 Resp: 103653
Ion Ratio Lower Upper
178 100
176 18.2 15.9 23.9
179 15.5 12.6 18.8



#75
Fluoranthene
Concen: 12.499 ng
RT: 12.615 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF140276.D
Acq: 07 Nov 2024 15:46

Tgt Ion:202 Resp: 243419
Ion Ratio Lower Upper
202 100
101 10.0 0.0 30.4
203 17.7 0.0 38.0

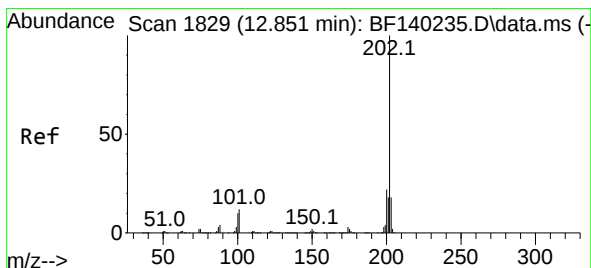
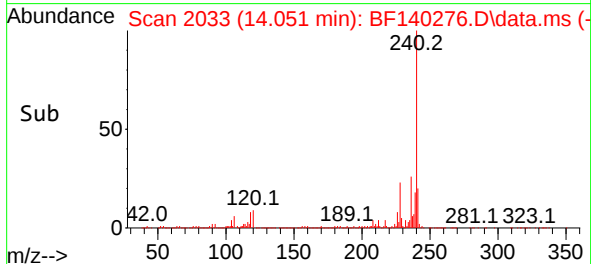
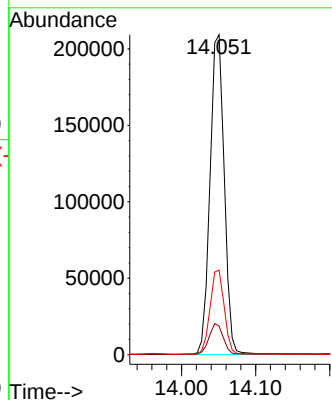
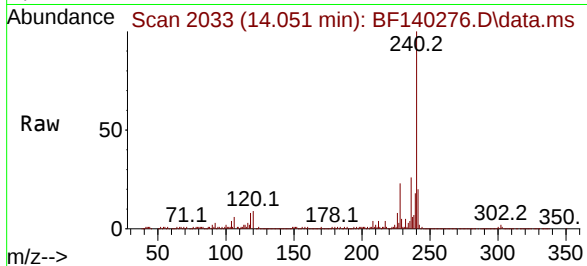




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF140276.D
Acq: 07 Nov 2024 15:46

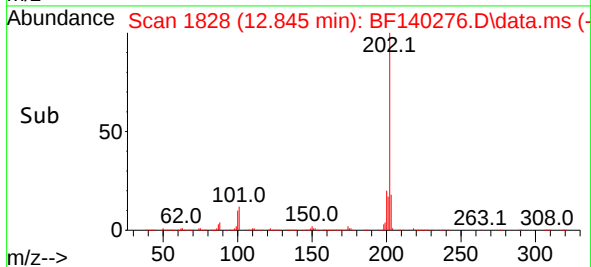
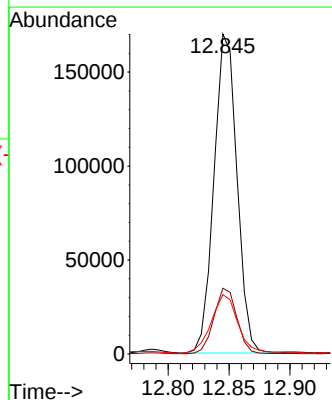
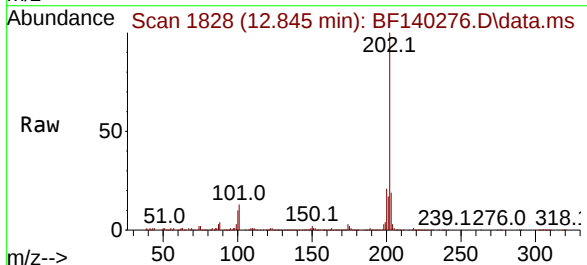
Instrument :
BNA_F
ClientSampleId :
HD-02-110424

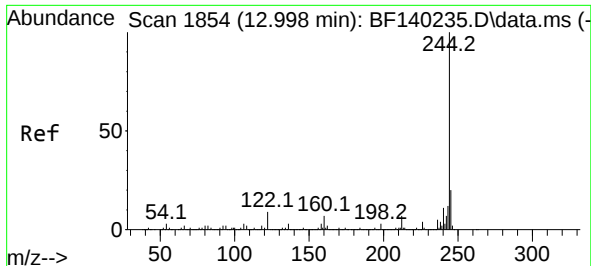
Tgt Ion:240 Resp: 279355
Ion Ratio Lower Upper
240 100
120 9.0 7.5 11.3
236 26.4 20.9 31.3



#78
Pyrene
Concen: 9.664 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF140276.D
Acq: 07 Nov 2024 15:46

Tgt Ion:202 Resp: 222899
Ion Ratio Lower Upper
202 100
200 20.5 17.5 26.3
203 18.6 14.4 21.6

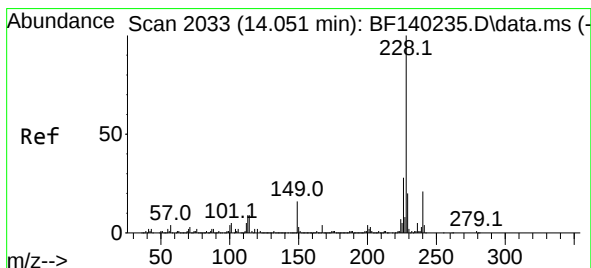
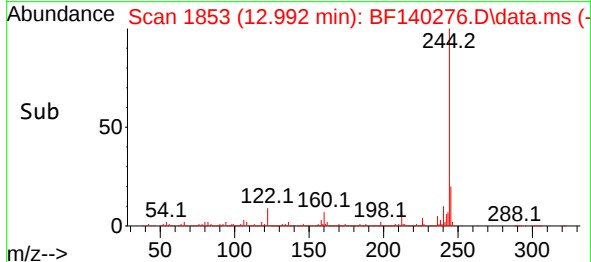
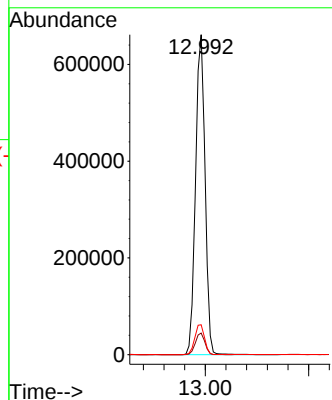
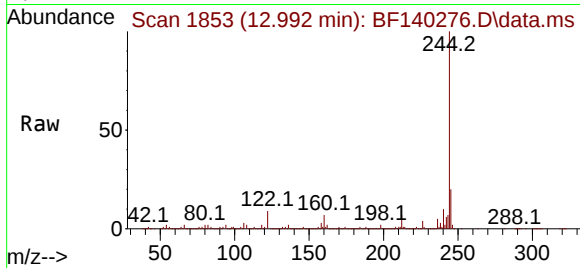




#79
 Terphenyl-d14
 Concen: 49.513 ng
 RT: 12.992 min Scan# 1853
 Delta R.T. -0.006 min
 Lab File: BF140276.D
 Acq: 07 Nov 2024 15:46

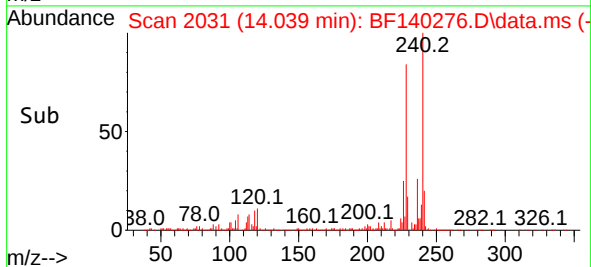
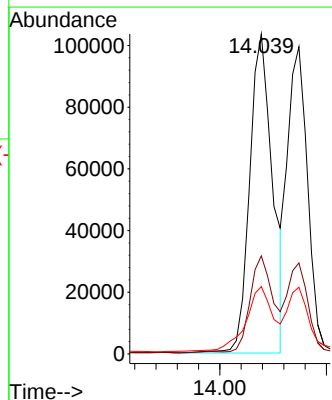
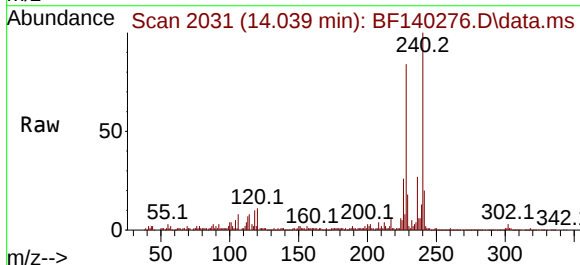
Instrument :
 BNA_F
 ClientSampleId :
 HD-02-110424

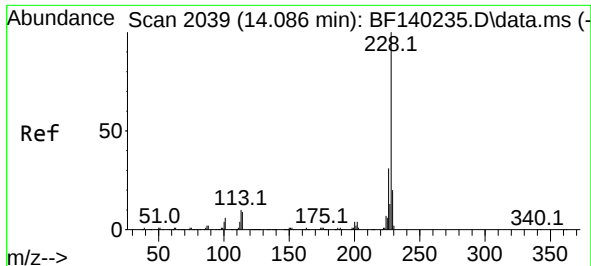
Tgt Ion:244 Resp: 844361
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.0 9.0
 122 9.3 7.6 11.4



#81
 Benzo(a)anthracene
 Concen: 8.611 ng
 RT: 14.039 min Scan# 2031
 Delta R.T. -0.012 min
 Lab File: BF140276.D
 Acq: 07 Nov 2024 15:46

Tgt Ion:228 Resp: 154378
 Ion Ratio Lower Upper
 228 100
 226 30.6 22.3 33.5
 229 21.0 16.1 24.1

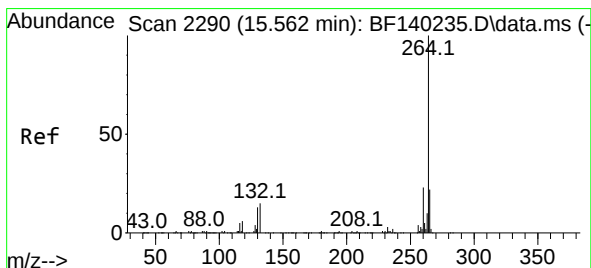
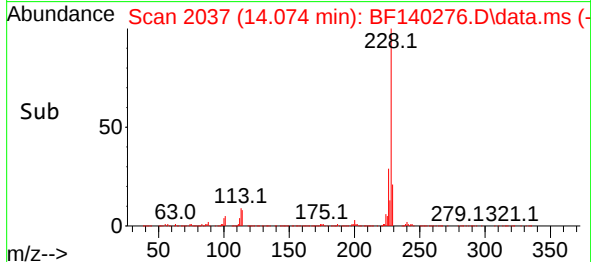
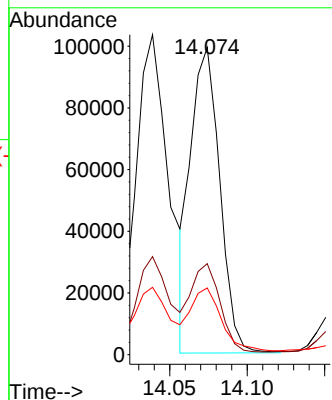
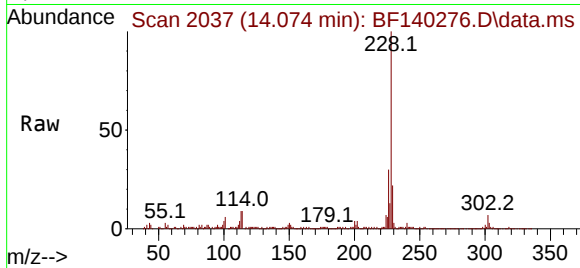




#83
Chrysene
Concen: 7.693 ng
RT: 14.074 min Scan# 2039
Delta R.T. -0.012 min
Lab File: BF140276.D
Acq: 07 Nov 2024 15:46

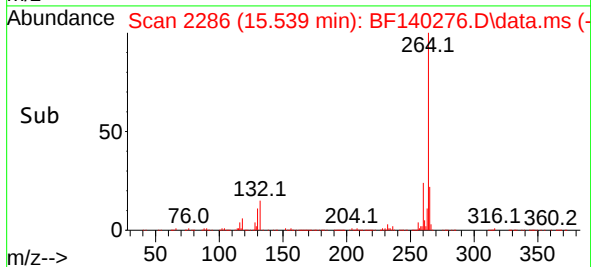
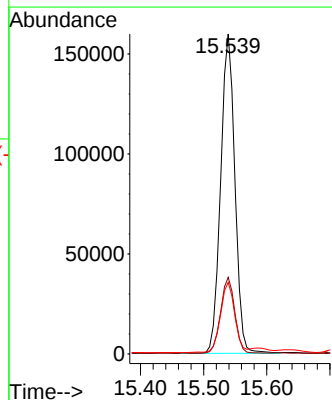
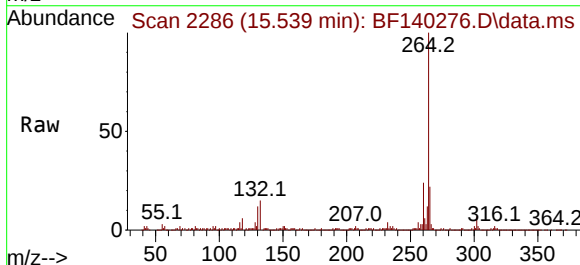
Instrument :
BNA_F
ClientSampleId :
HD-02-110424

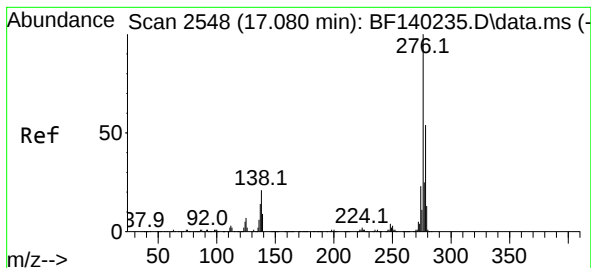
Tgt Ion:228 Resp: 129153
Ion Ratio Lower Upper
228 100
226 29.6 24.6 36.8
229 21.7 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2286
Delta R.T. -0.024 min
Lab File: BF140276.D
Acq: 07 Nov 2024 15:46

Tgt Ion:264 Resp: 250298
Ion Ratio Lower Upper
264 100
260 24.0 18.8 28.2
265 22.4 17.3 25.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.342 ng

RT: 17.033 min Scan# 21

Delta R.T. -0.047 min

Lab File: BF140276.D

Acq: 07 Nov 2024 15:46

Instrument :

BNA_F

ClientSampleId :

HD-02-110424

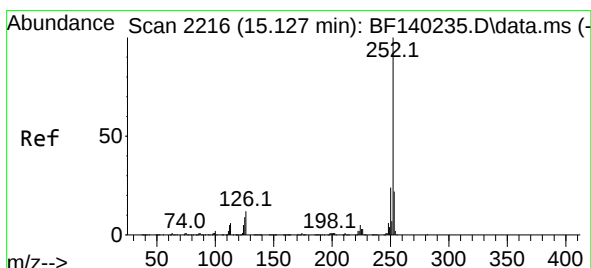
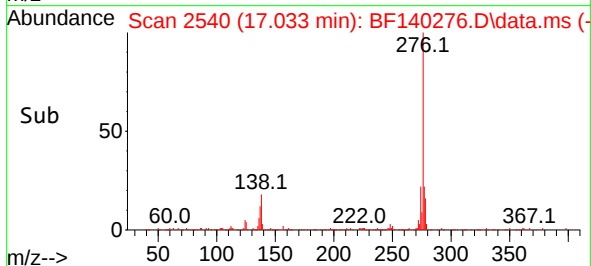
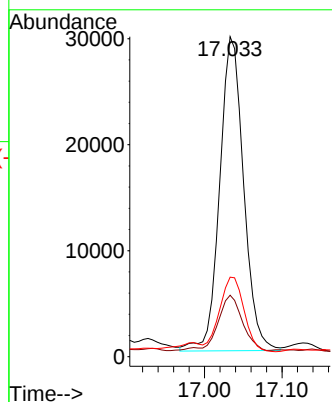
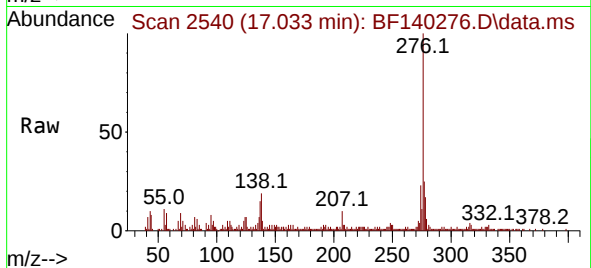
Tgt Ion:276 Resp: 63787

Ion Ratio Lower Upper

276 100

138 18.3 17.6 26.4

277 24.4 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 15.389 ng

RT: 15.104 min Scan# 2212

Delta R.T. -0.024 min

Lab File: BF140276.D

Acq: 07 Nov 2024 15:46

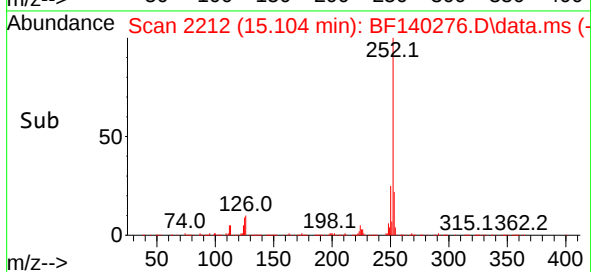
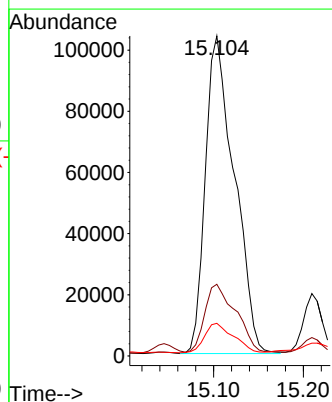
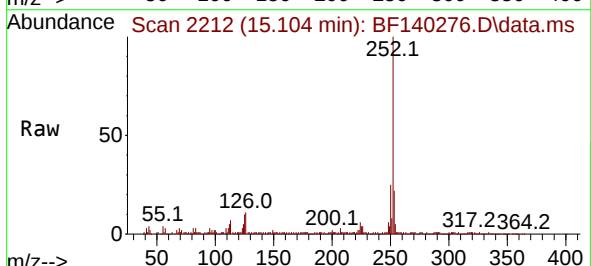
Tgt Ion:252 Resp: 232994

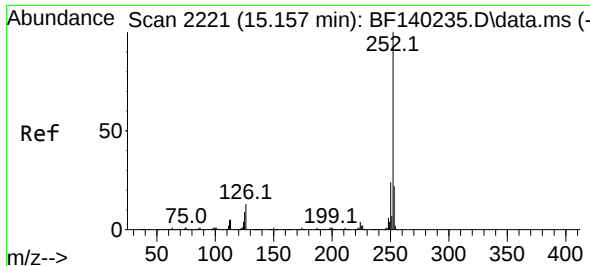
Ion Ratio Lower Upper

252 100

253 22.4 17.9 26.9

125 10.2 7.0 10.6

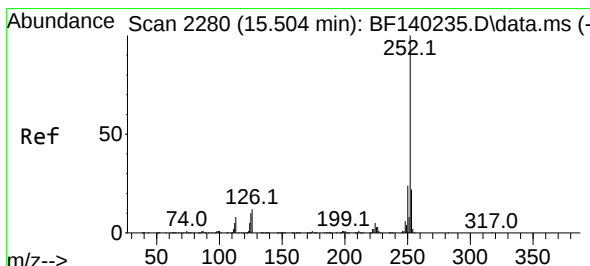
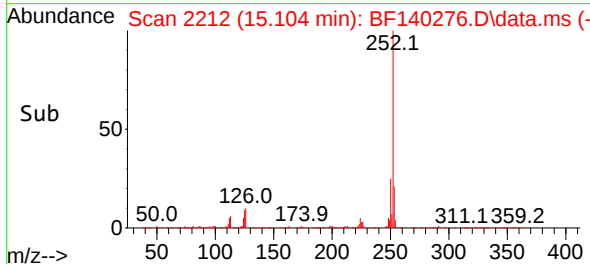
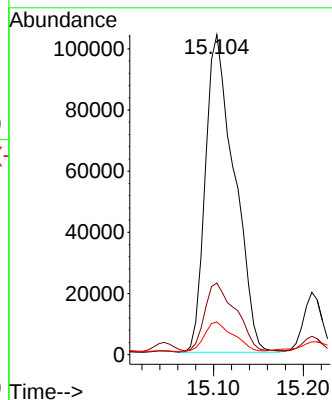
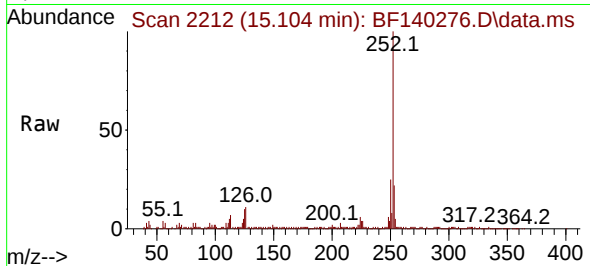




#89
Benzo(k)fluoranthene
Concen: 16.771 ng
RT: 15.104 min Scan# 21
Delta R.T. -0.053 min
Lab File: BF140276.D
Acq: 07 Nov 2024 15:46

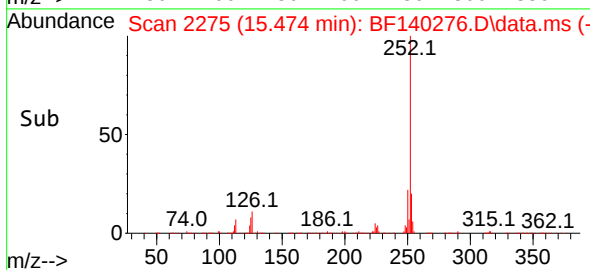
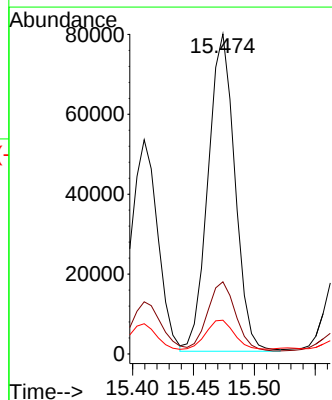
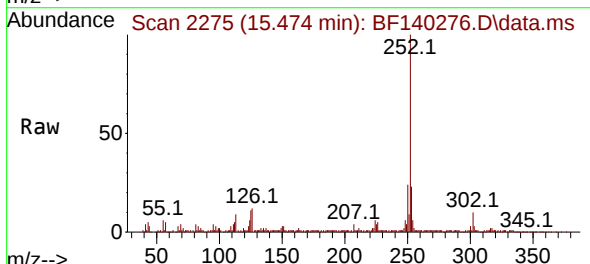
Instrument :
BNA_F
ClientSampleId :
HD-02-110424

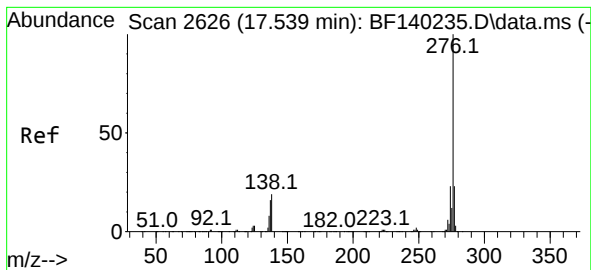
Tgt Ion:252 Resp: 232994
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.8
125 10.2 7.2 10.8



#90
Benzo(a)pyrene
Concen: 9.764 ng
RT: 15.474 min Scan# 2275
Delta R.T. -0.029 min
Lab File: BF140276.D
Acq: 07 Nov 2024 15:46

Tgt Ion:252 Resp: 121882
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.0
125 10.6 7.6 11.4





#92

Benzo(g,h,i)perylene

Concen: 4.844 ng

RT: 17.492 min Scan# 20

Delta R.T. -0.047 min

Lab File: BF140276.D

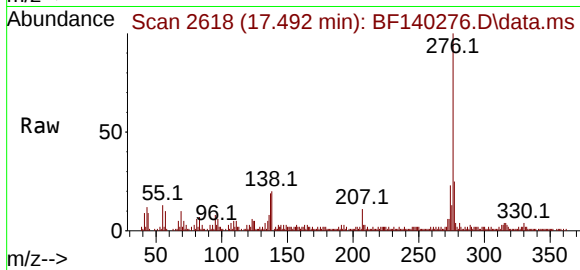
Acq: 07 Nov 2024 15:46

Instrument :

BNA_F

ClientSampleId :

HD-02-110424



Tgt Ion:276 Resp: 59737

Ion Ratio Lower Upper

276 100

277 24.9 18.8 28.2

138 19.6 15.3 22.9

