

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111424\
 Data File : BF140382.D
 Acq On : 15 Nov 2024 00:05
 Operator : RC/JU
 Sample : P4816-01RE
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 331RE

Quant Time: Nov 15 02:37:05 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 14:40:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	126008	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	438522	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	190782	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	300024	20.000	ng	0.00
76) Chrysene-d12	14.051	240	186165	20.000	ng	0.00
86) Perylene-d12	15.539	264	150043	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	562060	76.158	ng	0.02
7) Phenol-d6	6.522	99	736820	73.690	ng	0.02
23) Nitrobenzene-d5	7.434	82	464999	55.249	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	132346	69.759	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	789636	66.535	ng	0.00
79) Terphenyl-d14	12.992	244	690328	64.366	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	63963	10.592	ng	# 79
25) Isophorone	7.434	82	458210	30.718	ng	# 67
63) Azobenzene	10.622	77	39174	3.118	ng	# 1
71) Phenanthrene	11.427	178	219332	15.562	ng	98
72) Anthracene	11.427	178	219332	15.879	ng	97
75) Fluoranthene	12.621	202	553430	35.001	ng	99
78) Pyrene	12.851	202	520351	32.677	ng	98
81) Benzo(a)anthracene	14.074	228	201118	16.438	ng	94
83) Chrysene	14.074	228	201118	18.016	ng	97
84) Bis(2-ethylhexyl)phtha...	14.021	149	23502	2.878	ng	# 93
87) Indeno(1,2,3-cd)pyrene	17.045	276	72263	7.797	ng	95
88) Benzo(b)fluoranthene	15.104	252	263657	26.862	ng	# 94
89) Benzo(k)fluoranthene	15.104	252	263657	32.882	ng	# 93
90) Benzo(a)pyrene	15.474	252	110012	14.433	ng	# 93
91) Dibenzo(a,h)anthracene	17.051	278	17108	2.233	ng	# 73
92) Benzo(g,h,i)perylene	17.498	276	68492	8.745	ng	92

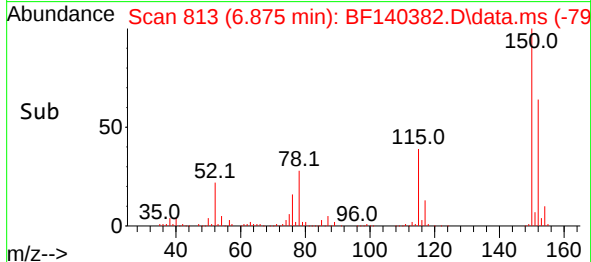
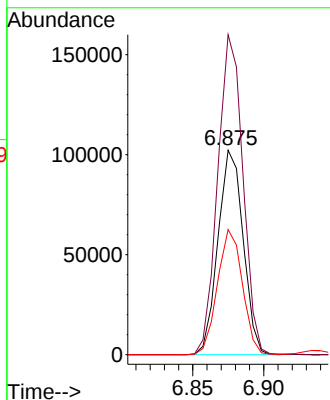
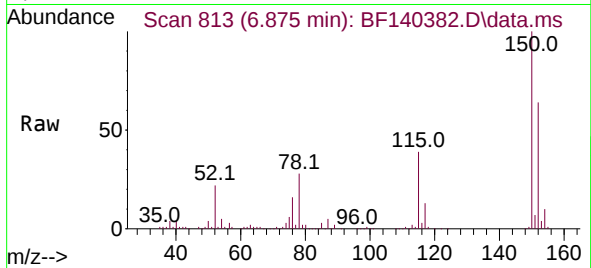
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF140382.D
Acq: 15 Nov 2024 00:05

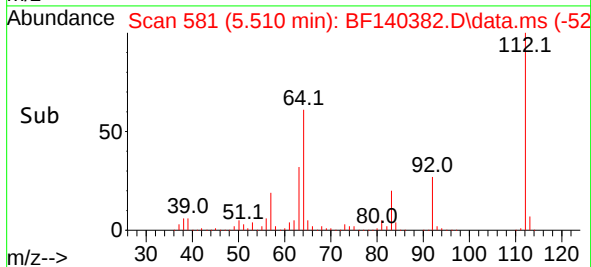
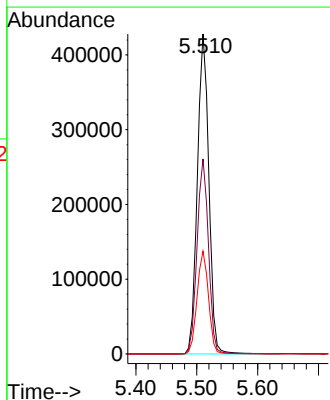
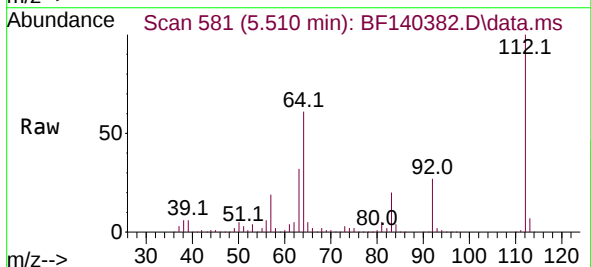
Instrument :
BNA_F
ClientSampleId :
331RE

Tgt Ion:152 Resp: 126008
Ion Ratio Lower Upper
152 100
150 156.5 127.4 191.0
115 61.2 47.4 71.2



#5
2-Fluorophenol
Concen: 76.158 ng
RT: 5.510 min Scan# 581
Delta R.T. 0.018 min
Lab File: BF140382.D
Acq: 15 Nov 2024 00:05

Tgt Ion:112 Resp: 562060
Ion Ratio Lower Upper
112 100
64 60.9 49.2 73.8
63 32.2 25.6 38.4

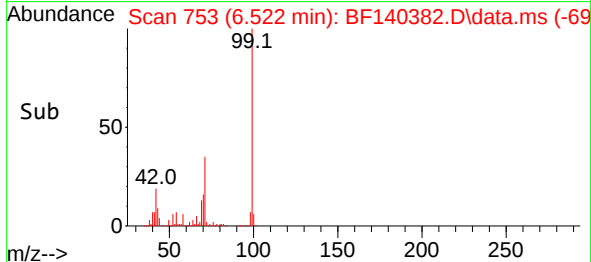
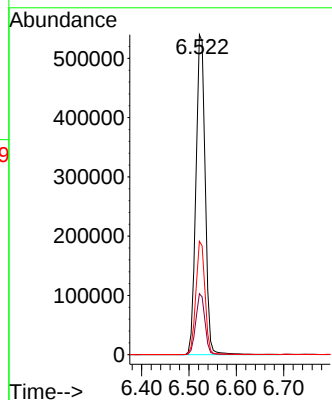
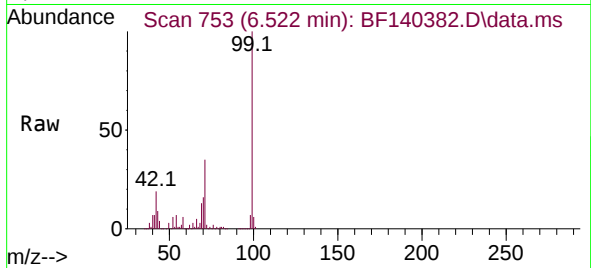




#7
Phenol-d6
Concen: 73.690 ng
RT: 6.522 min Scan# 71
Delta R.T. 0.018 min
Lab File: BF140382.D
Acq: 15 Nov 2024 00:05

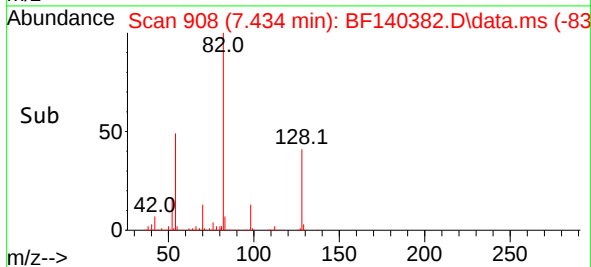
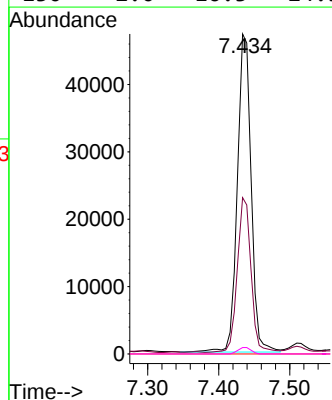
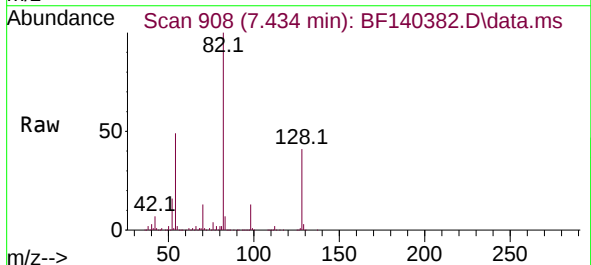
Instrument :
BNA_F
ClientSampleId :
331RE

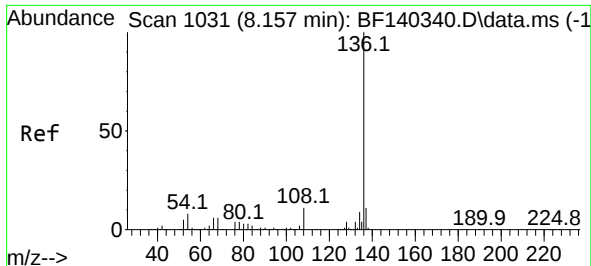
Tgt Ion: 99 Resp: 736820
Ion Ratio Lower Upper
99 100
42 19.1 15.1 22.7
71 35.5 27.9 41.9



#19
n-Nitroso-di-n-propylamine
Concen: 10.592 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF140382.D
Acq: 15 Nov 2024 00:05

Tgt Ion: 70 Resp: 63963
Ion Ratio Lower Upper
70 100
42 48.8 46.8 70.2
101 0.0 7.5 11.3#
130 2.0 16.3 24.5#

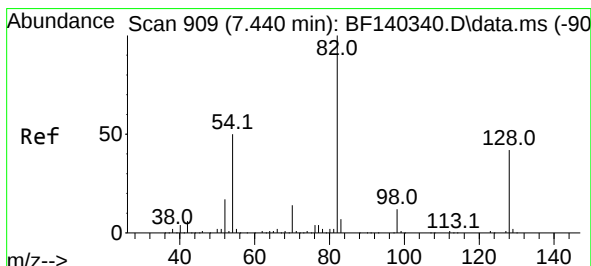
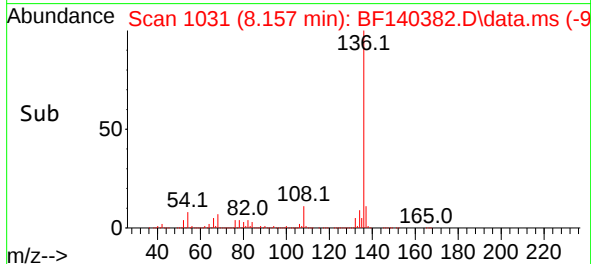
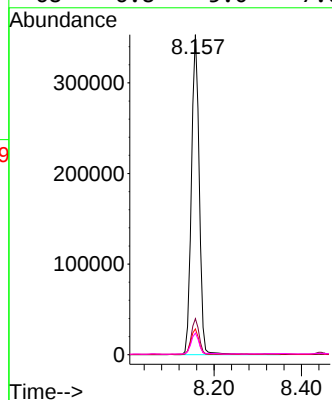
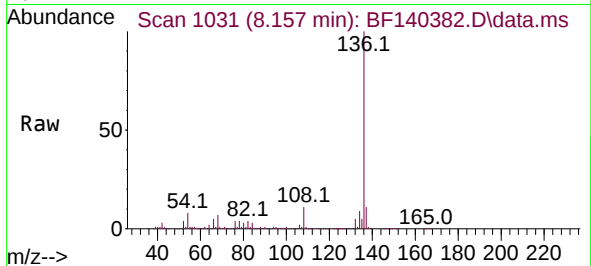




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.000 min
Lab File: BF140382.D
Acq: 15 Nov 2024 00:05

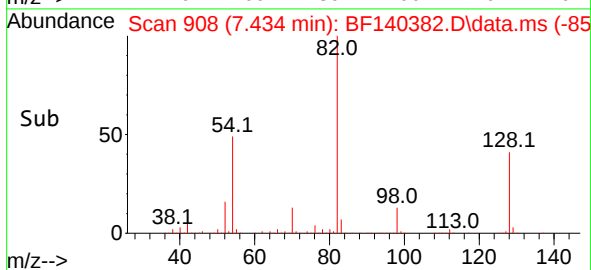
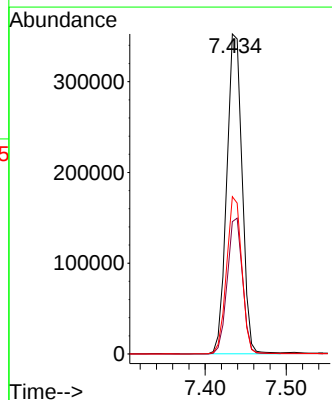
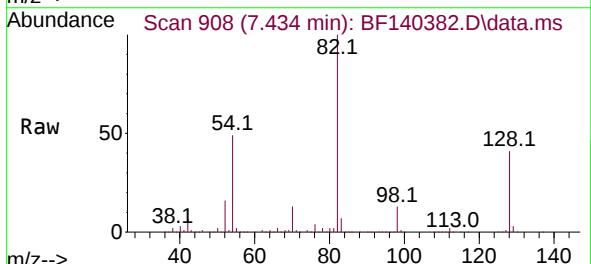
Instrument :
BNA_F
ClientSampleId :
331RE

Tgt Ion:136 Resp: 438522
Ion Ratio Lower Upper
136 100
137 11.2 8.7 13.1
54 8.0 6.5 9.7
68 6.8 5.0 7.6



#23
Nitrobenzene-d5
Concen: 55.249 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF140382.D
Acq: 15 Nov 2024 00:05

Tgt Ion: 82 Resp: 464999
Ion Ratio Lower Upper
82 100
128 41.3 33.3 49.9
54 49.2 39.8 59.8

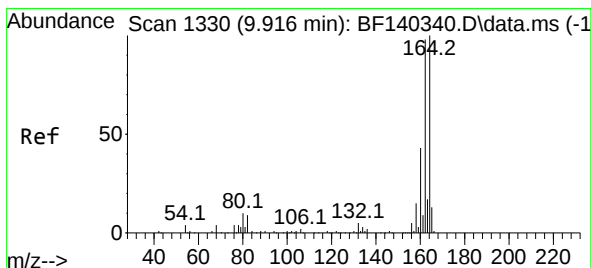
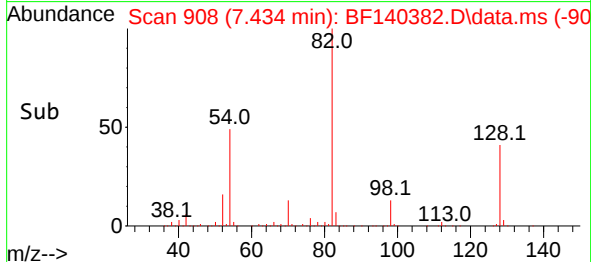
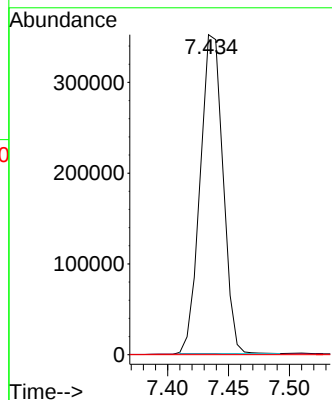
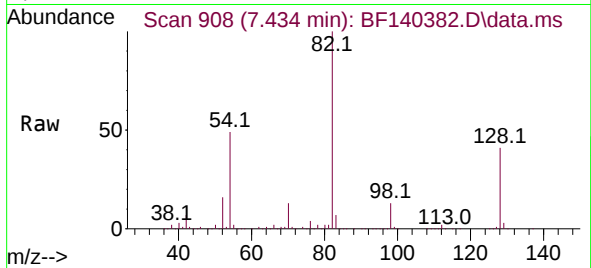




#25
Isophorone
Concen: 30.718 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF140382.D
Acq: 15 Nov 2024 00:05

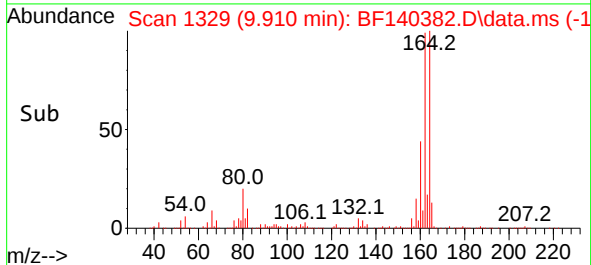
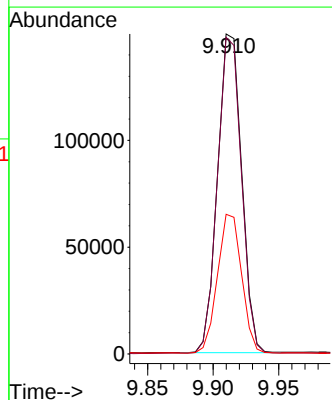
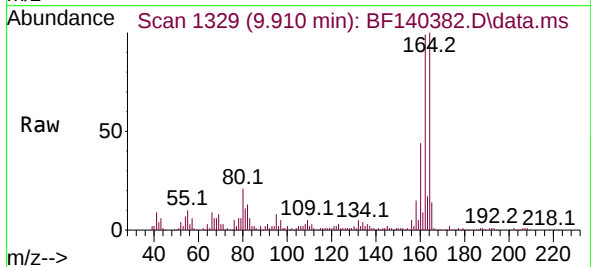
Instrument :
BNA_F
ClientSampleId :
331RE

Tgt Ion: 82 Resp: 458210
Ion Ratio Lower Upper
82 100
95 0.2 5.9 8.9#
138 0.0 13.4 20.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF140382.D
Acq: 15 Nov 2024 00:05

Tgt Ion:164 Resp: 190782
Ion Ratio Lower Upper
164 100
162 98.9 79.8 119.8
160 43.6 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 69.759 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.000 min

Lab File: BF140382.D

Acq: 15 Nov 2024 00:05

Instrument :

BNA_F

ClientSampleId :

331RE

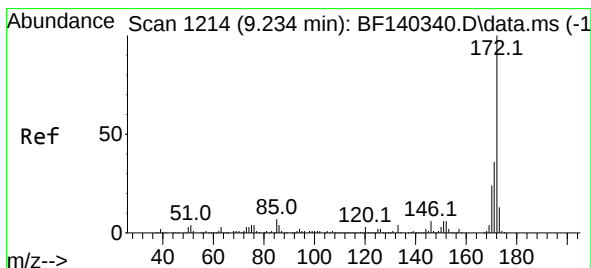
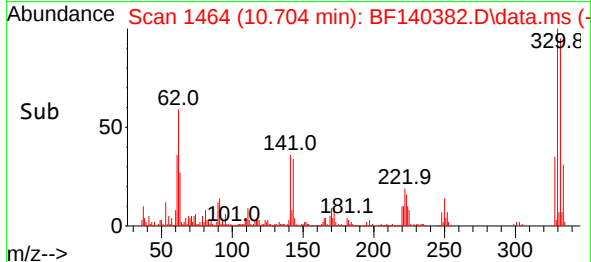
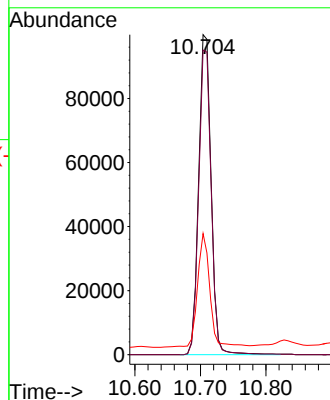
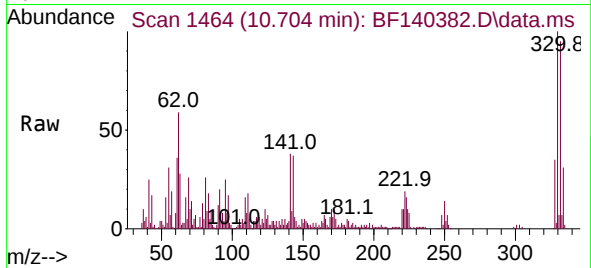
Tgt Ion:330 Resp: 132346

Ion Ratio Lower Upper

330 100

332 95.5 75.9 113.9

141 35.6 26.9 40.3



#45

2-Fluorobiphenyl

Concen: 66.535 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.006 min

Lab File: BF140382.D

Acq: 15 Nov 2024 00:05

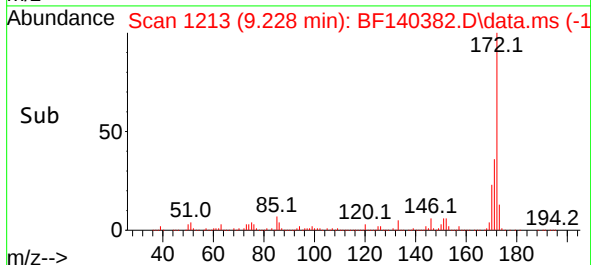
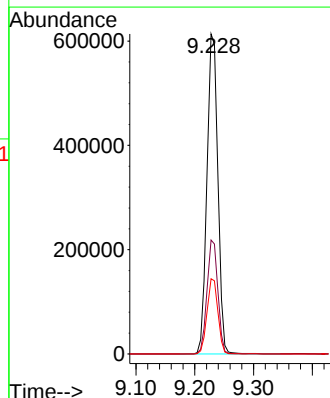
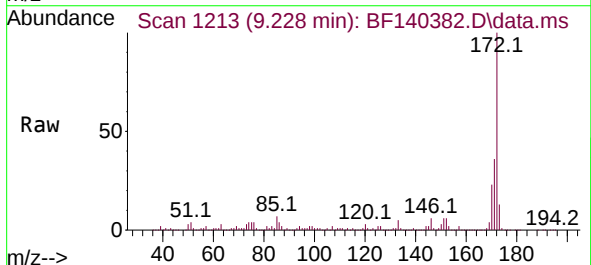
Tgt Ion:172 Resp: 789636

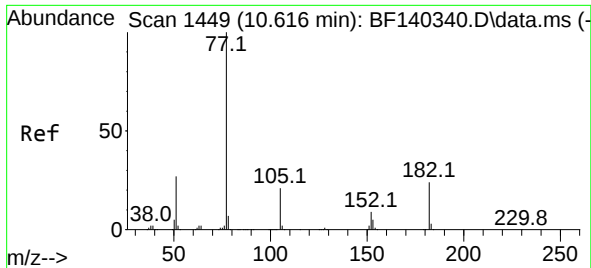
Ion Ratio Lower Upper

172 100

171 35.6 28.5 42.7

170 23.5 19.1 28.7

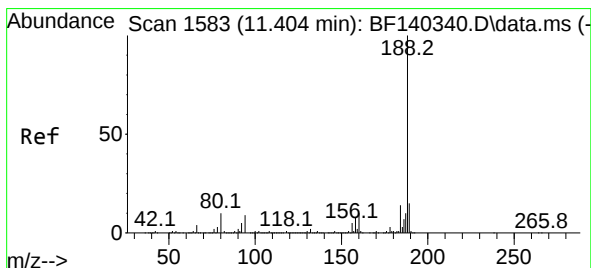
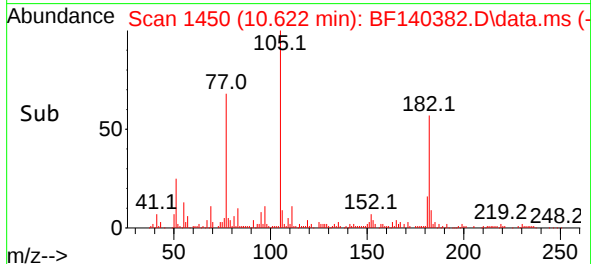
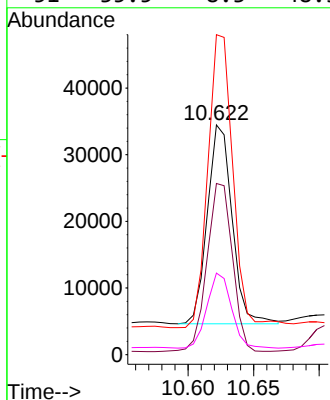
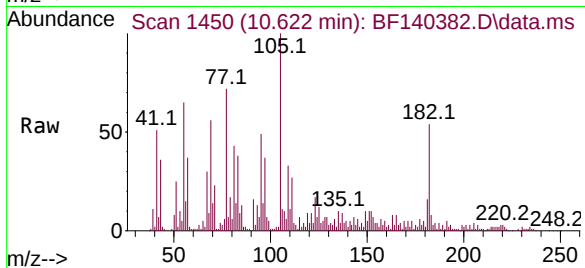




#63
Azobenzene
Concen: 3.118 ng
RT: 10.622 min Scan# 1449
Delta R.T. 0.006 min
Lab File: BF140382.D
Acq: 15 Nov 2024 00:05

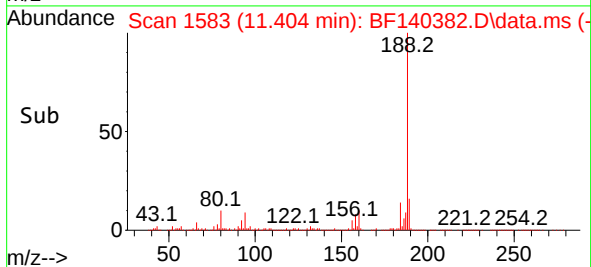
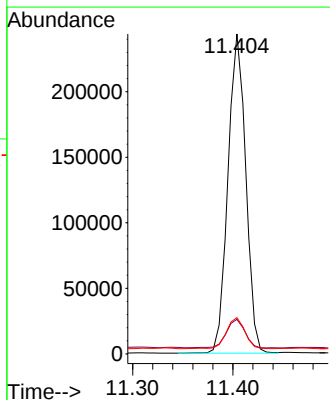
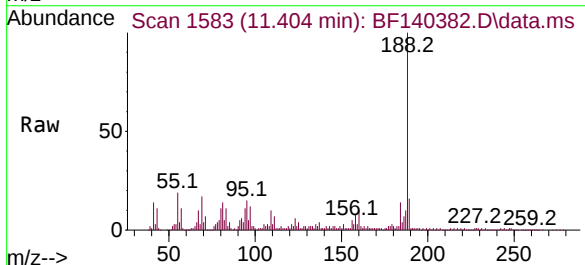
Instrument :
BNA_F
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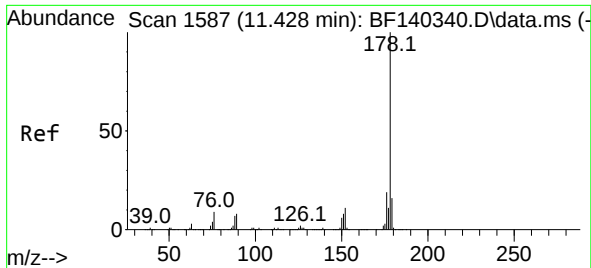
Tgt Ion: 77	Resp: 39174
Ion Ratio	Lower Upper
77 100	
182 74.5	4.6 44.6#
105 139.3	0.9 40.9#
51 35.5	8.3 48.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF140382.D
Acq: 15 Nov 2024 00:05

Tgt Ion: 188	Resp: 300024
Ion Ratio	Lower Upper
188 100	
94 10.8	7.6 11.4
80 11.3	8.0 12.0

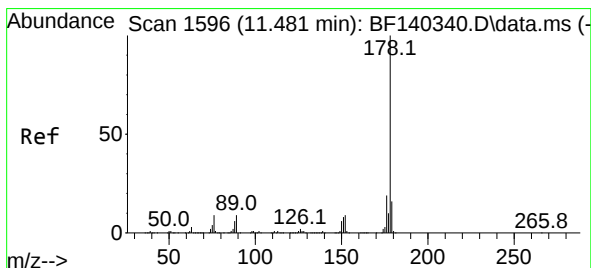
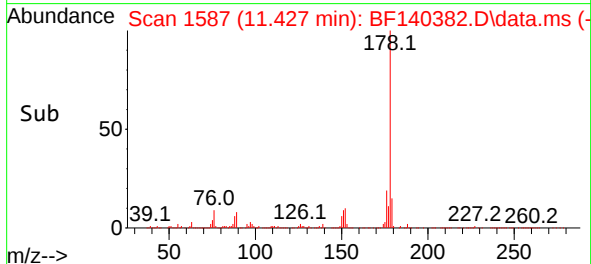
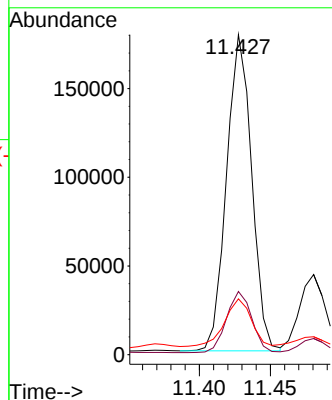
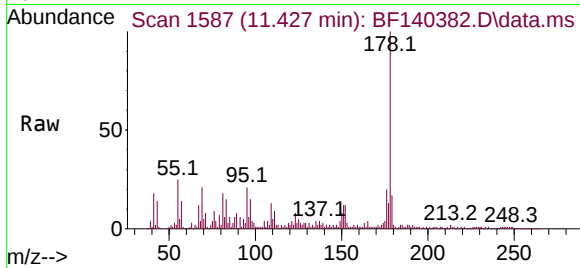




#71
Phenanthrene
Concen: 15.562 ng
RT: 11.427 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF140382.D
Acq: 15 Nov 2024 00:05

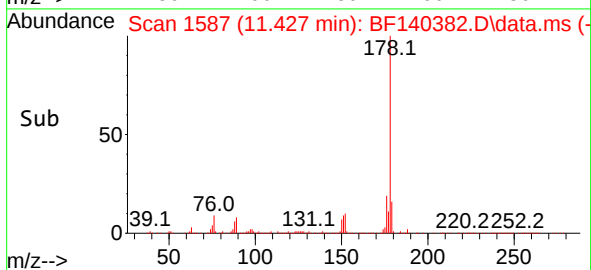
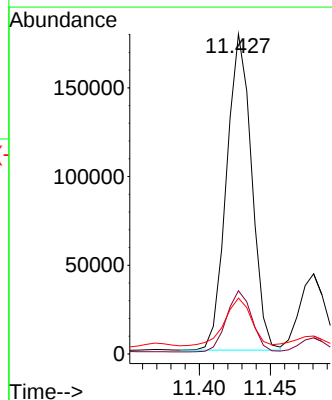
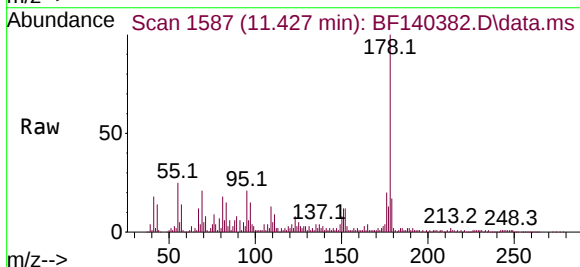
Instrument :
BNA_F
ClientSampleId :
331RE

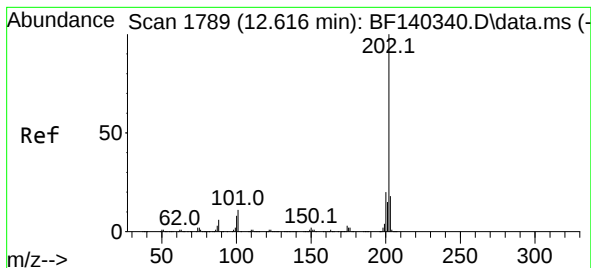
Tgt Ion:178 Resp: 219332
Ion Ratio Lower Upper
178 100
176 19.7 15.5 23.3
179 17.5 12.4 18.6



#72
Anthracene
Concen: 15.879 ng
RT: 11.427 min Scan# 1587
Delta R.T. -0.053 min
Lab File: BF140382.D
Acq: 15 Nov 2024 00:05

Tgt Ion:178 Resp: 219332
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.0
179 17.5 12.6 18.8





#75

Fluoranthene

Concen: 35.001 ng

RT: 12.621 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF140382.D

Acq: 15 Nov 2024 00:05

Instrument :

BNA_F

ClientSampleId :

331RE

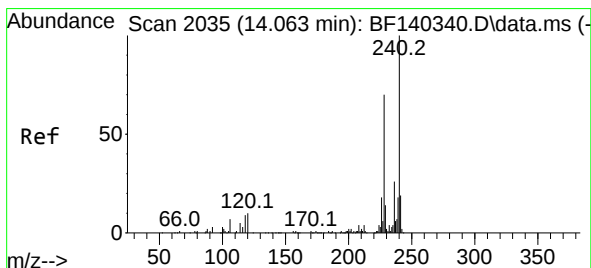
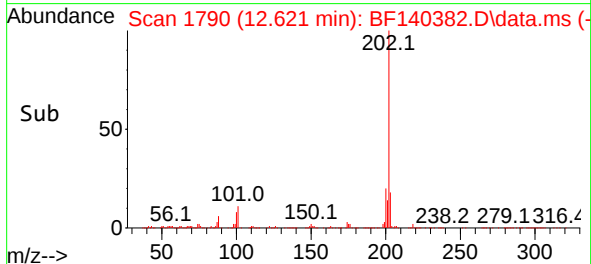
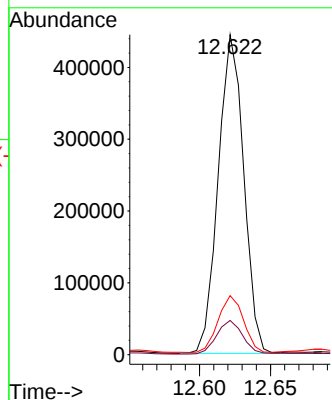
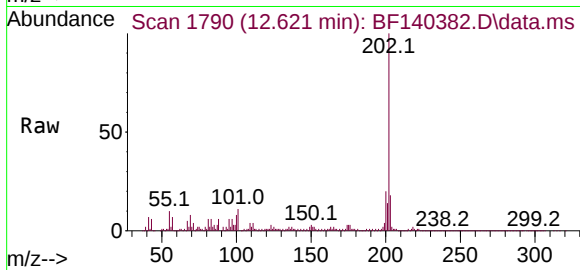
Tgt Ion:202 Resp: 553430

Ion Ratio Lower Upper

202 100

101 10.7 0.0 30.7

203 18.5 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. -0.000 min

Lab File: BF140382.D

Acq: 15 Nov 2024 00:05

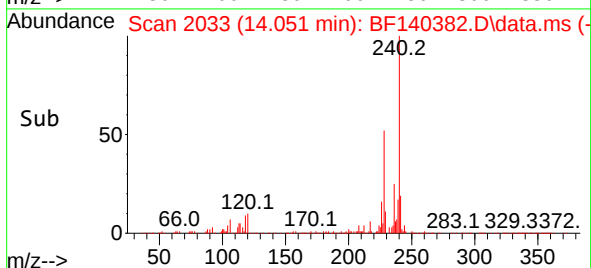
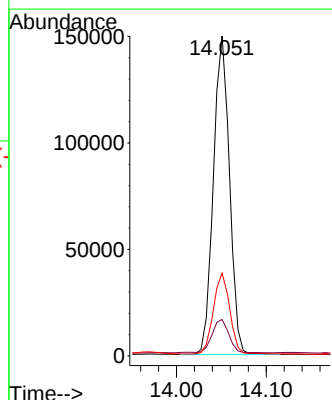
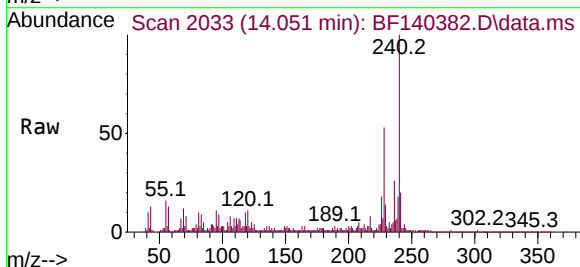
Tgt Ion:240 Resp: 186165

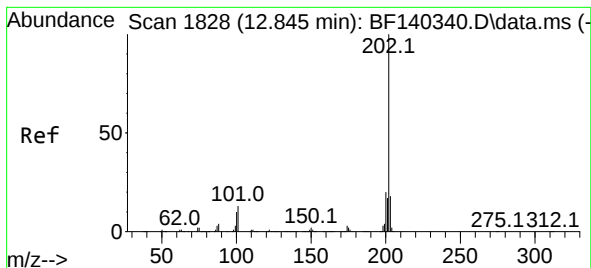
Ion Ratio Lower Upper

240 100

120 11.4 8.8 13.2

236 25.8 20.9 31.3





#78

Pyrene

Concen: 32.677 ng

RT: 12.851 min Scan# 1828

Delta R.T. 0.006 min

Lab File: BF140382.D

Acq: 15 Nov 2024 00:05

Instrument :

BNA_F

ClientSampleId :

331RE

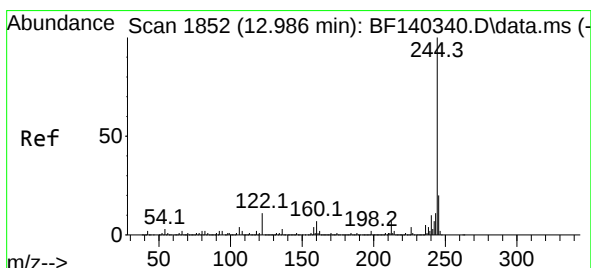
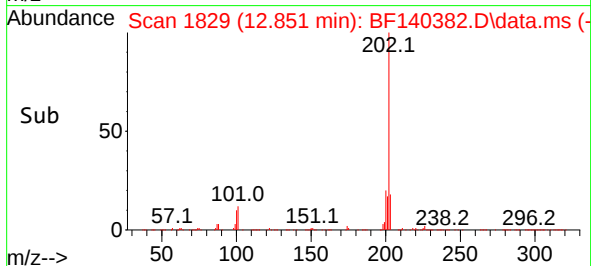
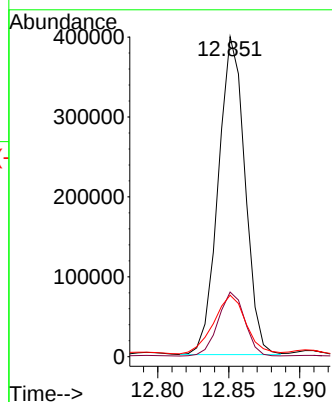
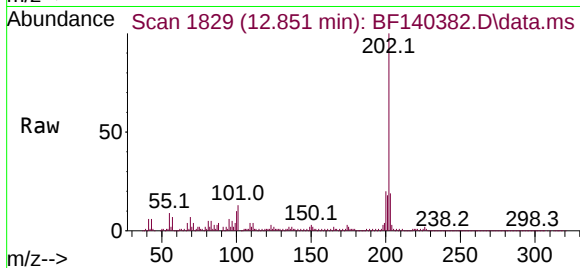
Tgt Ion:202 Resp: 520351

Ion Ratio Lower Upper

202 100

200 20.2 16.2 24.2

203 19.2 14.2 21.4



#79

Terphenyl-d14

Concen: 64.366 ng

RT: 12.992 min Scan# 1853

Delta R.T. 0.006 min

Lab File: BF140382.D

Acq: 15 Nov 2024 00:05

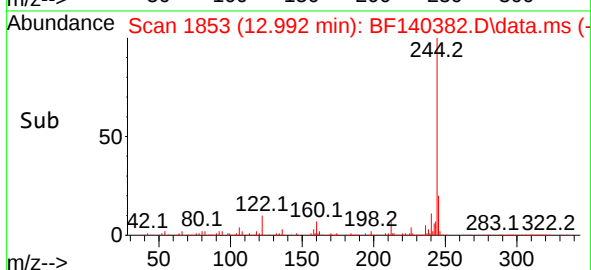
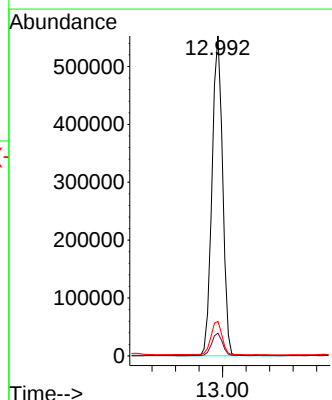
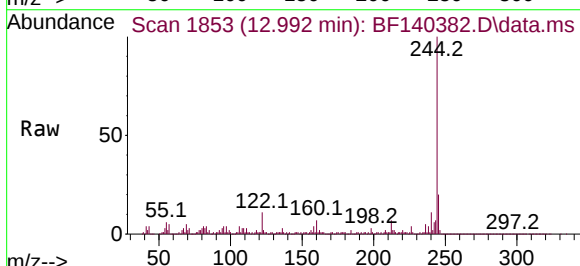
Tgt Ion:244 Resp: 690328

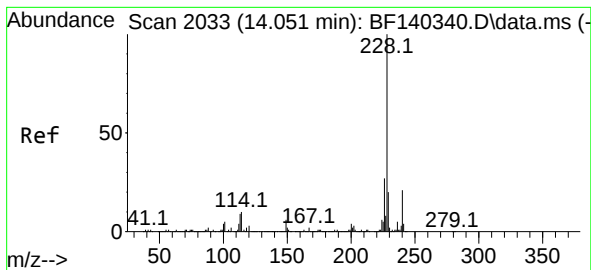
Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

122 10.8 8.8 13.2

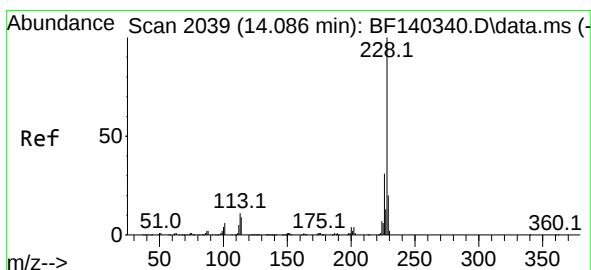
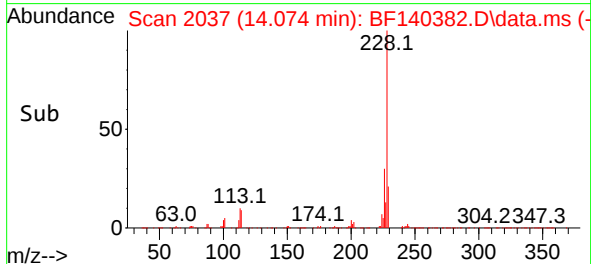
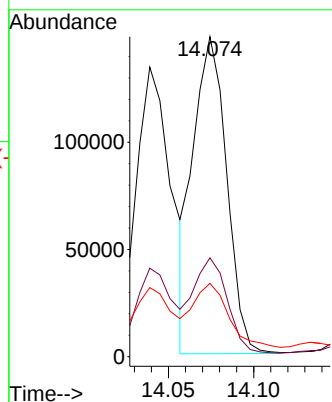
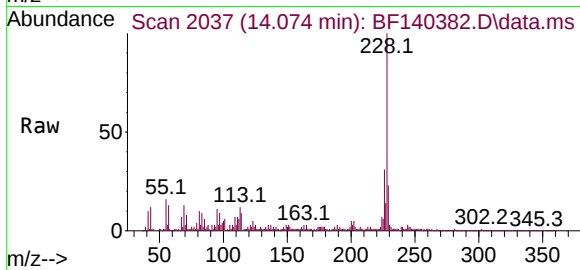




#81
Benzo(a)anthracene
Concen: 16.438 ng
RT: 14.074 min Scan# 2037
Delta R.T. 0.035 min
Lab File: BF140382.D
Acq: 15 Nov 2024 00:05

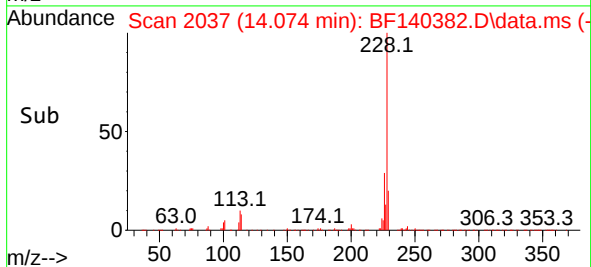
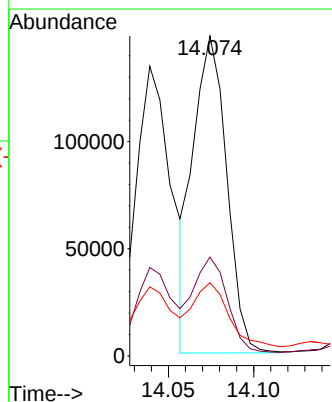
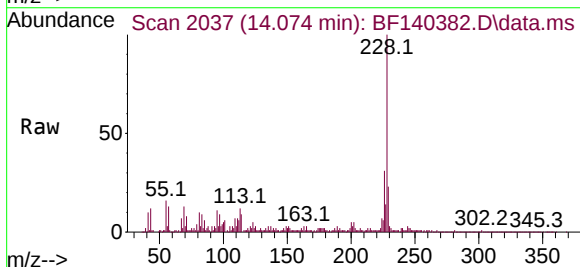
Instrument :
BNA_F
ClientSampleId :
331RE

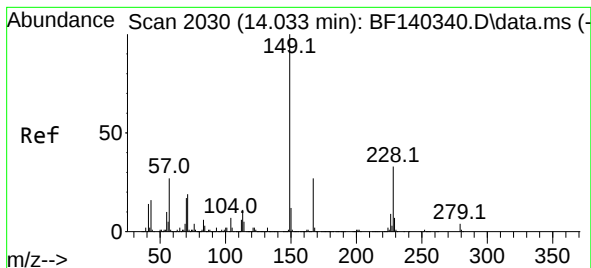
Tgt Ion:228 Resp: 201118
Ion Ratio Lower Upper
228 100
226 30.9 22.2 33.4
229 22.9 15.8 23.6



#83
Chrysene
Concen: 18.016 ng
RT: 14.074 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF140382.D
Acq: 15 Nov 2024 00:05

Tgt Ion:228 Resp: 201118
Ion Ratio Lower Upper
228 100
226 30.9 24.5 36.7
229 22.9 16.0 24.0

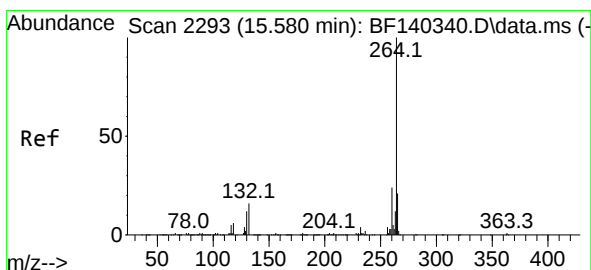
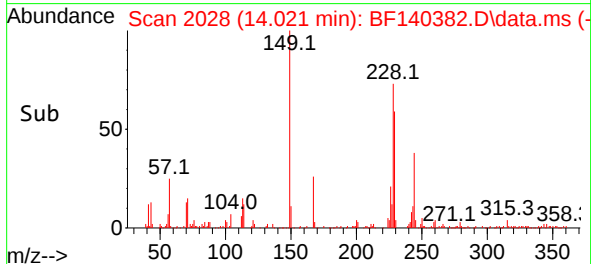
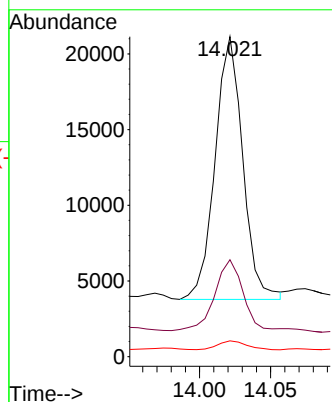
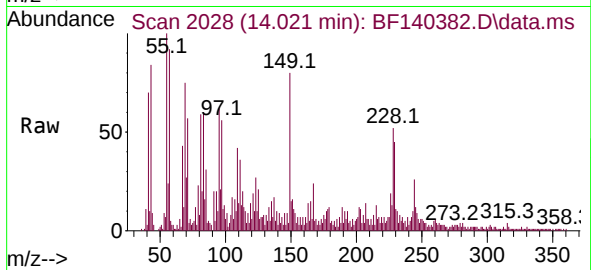




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.878 ng
RT: 14.021 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF140382.D
Acq: 15 Nov 2024 00:05

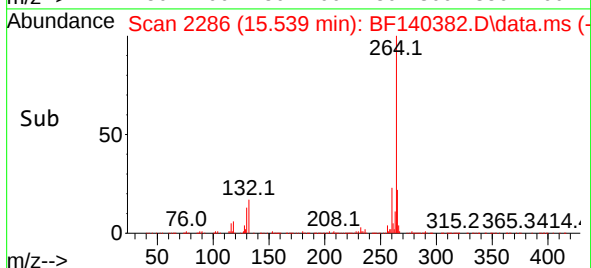
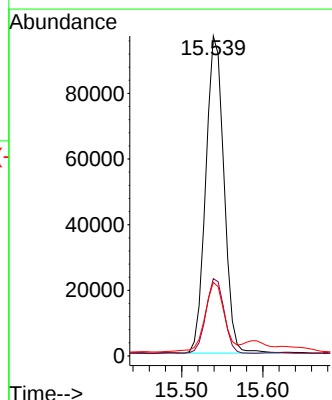
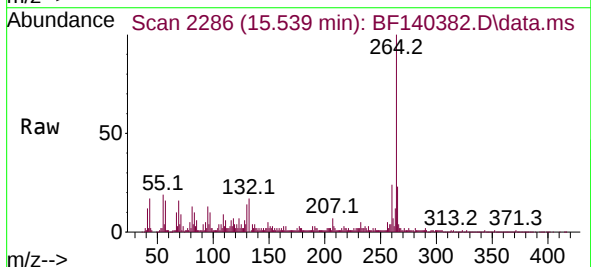
Instrument :
BNA_F
ClientSampleId :
331RE

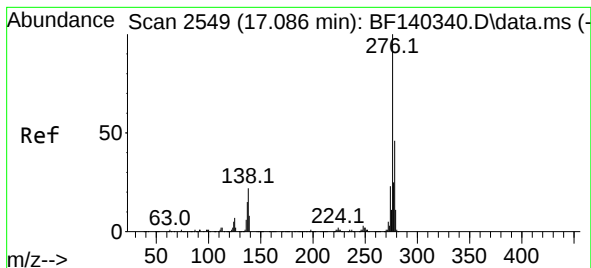
Tgt Ion:149 Resp: 23502
Ion Ratio Lower Upper
149 100
167 30.3 21.4 32.0
279 4.9 3.0 4.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2286
Delta R.T. -0.018 min
Lab File: BF140382.D
Acq: 15 Nov 2024 00:05

Tgt Ion:264 Resp: 150043
Ion Ratio Lower Upper
264 100
260 24.2 19.2 28.8
265 23.0 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.797 ng

RT: 17.045 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF140382.D

Acq: 15 Nov 2024 00:05

Instrument :

BNA_F

ClientSampleId :

331RE

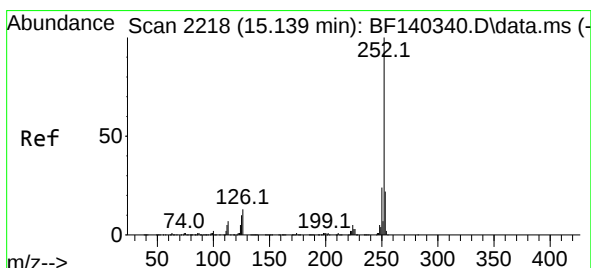
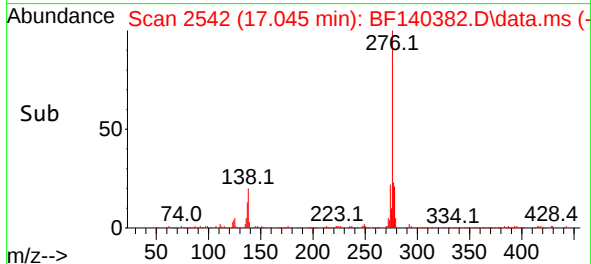
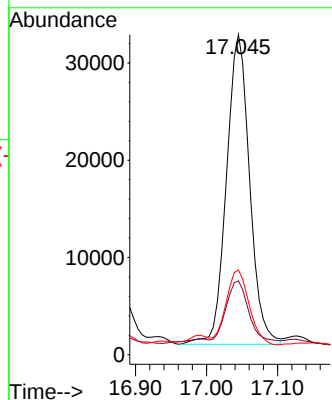
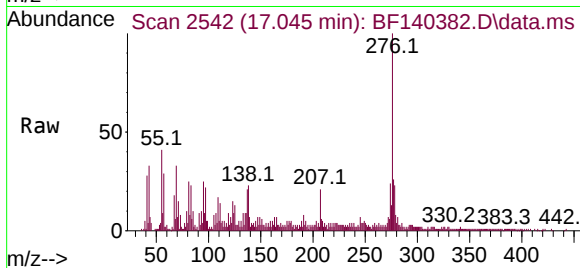
Tgt Ion:276 Resp: 72263

Ion Ratio Lower Upper

276 100

138 19.4 18.8 28.2

277 24.4 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 26.862 ng

RT: 15.104 min Scan# 2212

Delta R.T. -0.012 min

Lab File: BF140382.D

Acq: 15 Nov 2024 00:05

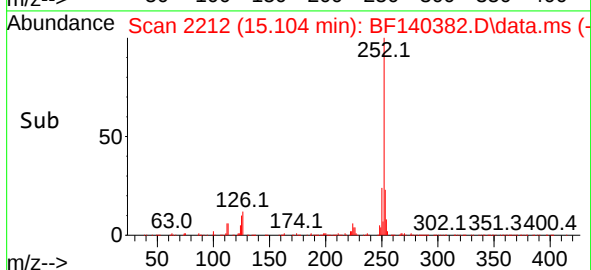
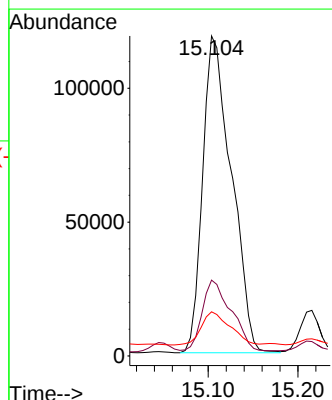
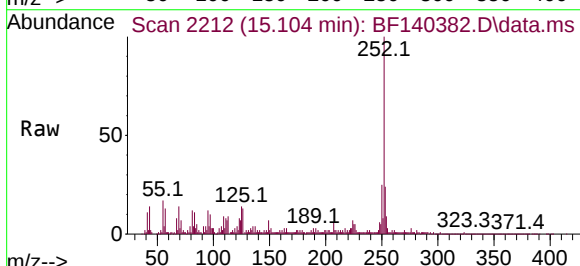
Tgt Ion:252 Resp: 263657

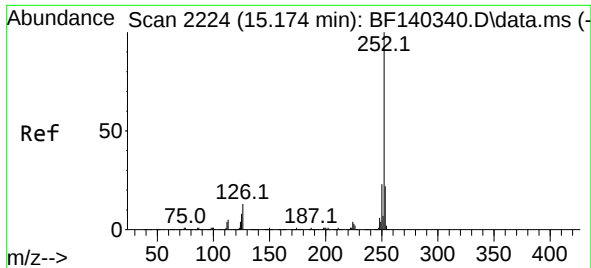
Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

125 13.8 8.0 12.0#

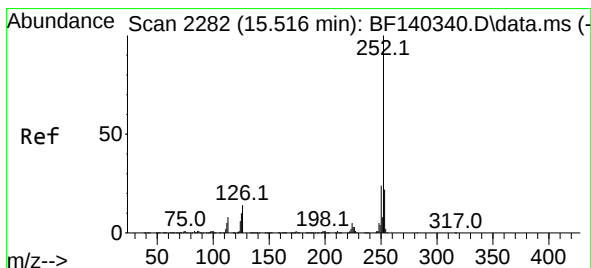
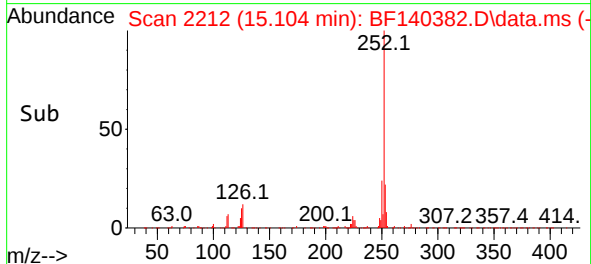
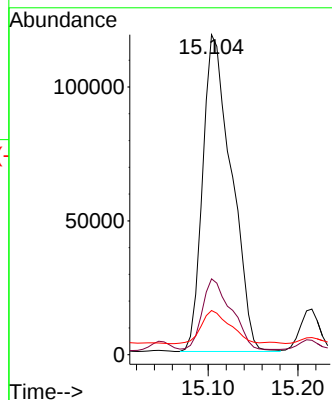
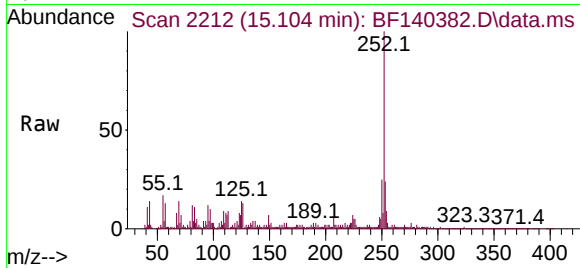




#89
Benzo(k)fluoranthene
Concen: 32.882 ng
RT: 15.104 min Scan# 21
Delta R.T. -0.047 min
Lab File: BF140382.D
Acq: 15 Nov 2024 00:05

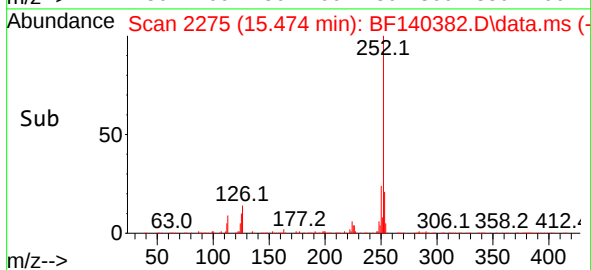
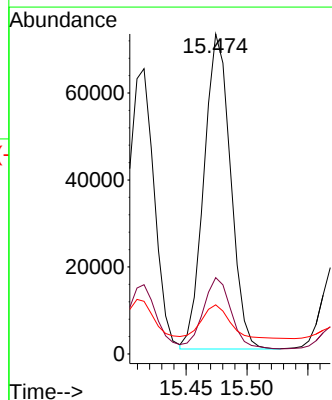
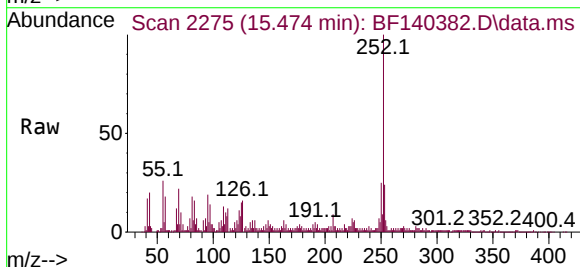
Instrument :
BNA_F
ClientSampleId :
331RE

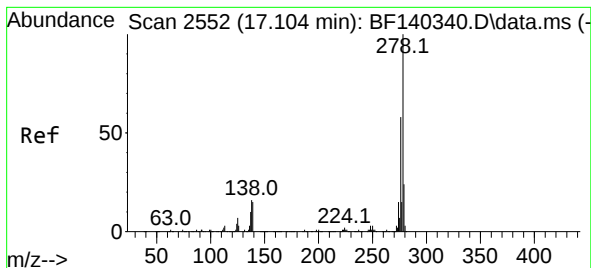
Tgt Ion:252 Resp: 263657
Ion Ratio Lower Upper
252 100
253 23.7 17.3 25.9
125 13.8 7.4 11.2#



#90
Benzo(a)pyrene
Concen: 14.433 ng
RT: 15.474 min Scan# 2275
Delta R.T. -0.018 min
Lab File: BF140382.D
Acq: 15 Nov 2024 00:05

Tgt Ion:252 Resp: 110012
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.6
125 15.4 8.4 12.6#





#91

Dibenzo(a,h)anthracene

Concen: 2.233 ng

RT: 17.051 min Scan# 2

Delta R.T. -0.024 min

Lab File: BF140382.D

Acq: 15 Nov 2024 00:05

Instrument :

BNA_F

ClientSampleId :

331RE

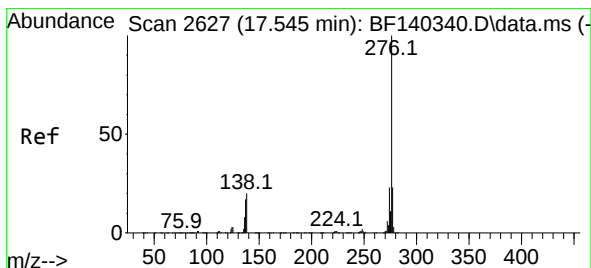
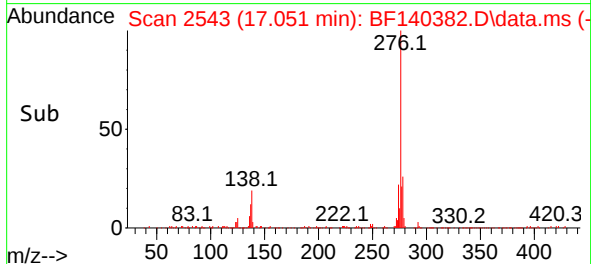
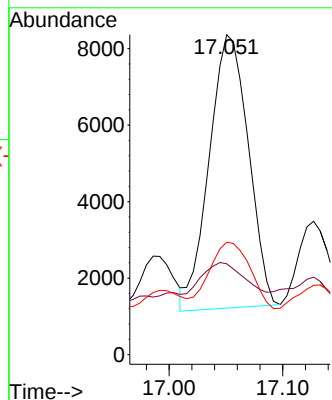
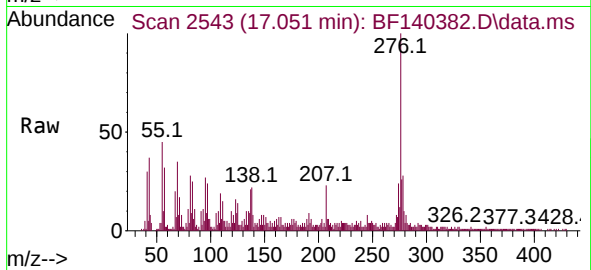
Tgt Ion:278 Resp: 17108

Ion Ratio Lower Upper

278 100

139 28.4 11.8 17.8#

279 35.2 18.9 28.3#



#92

Benzo(g,h,i)perylene

Concen: 8.745 ng

RT: 17.498 min Scan# 2619

Delta R.T. -0.018 min

Lab File: BF140382.D

Acq: 15 Nov 2024 00:05

Tgt Ion:276 Resp: 68492

Ion Ratio Lower Upper

276 100

277 27.5 18.6 28.0

138 23.1 16.0 24.0

