

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
 Data File : BF140469.D
 Acq On : 19 Nov 2024 13:21
 Operator : RC/JU
 Sample : P4852-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Quant Time: Nov 19 13:47:34 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)

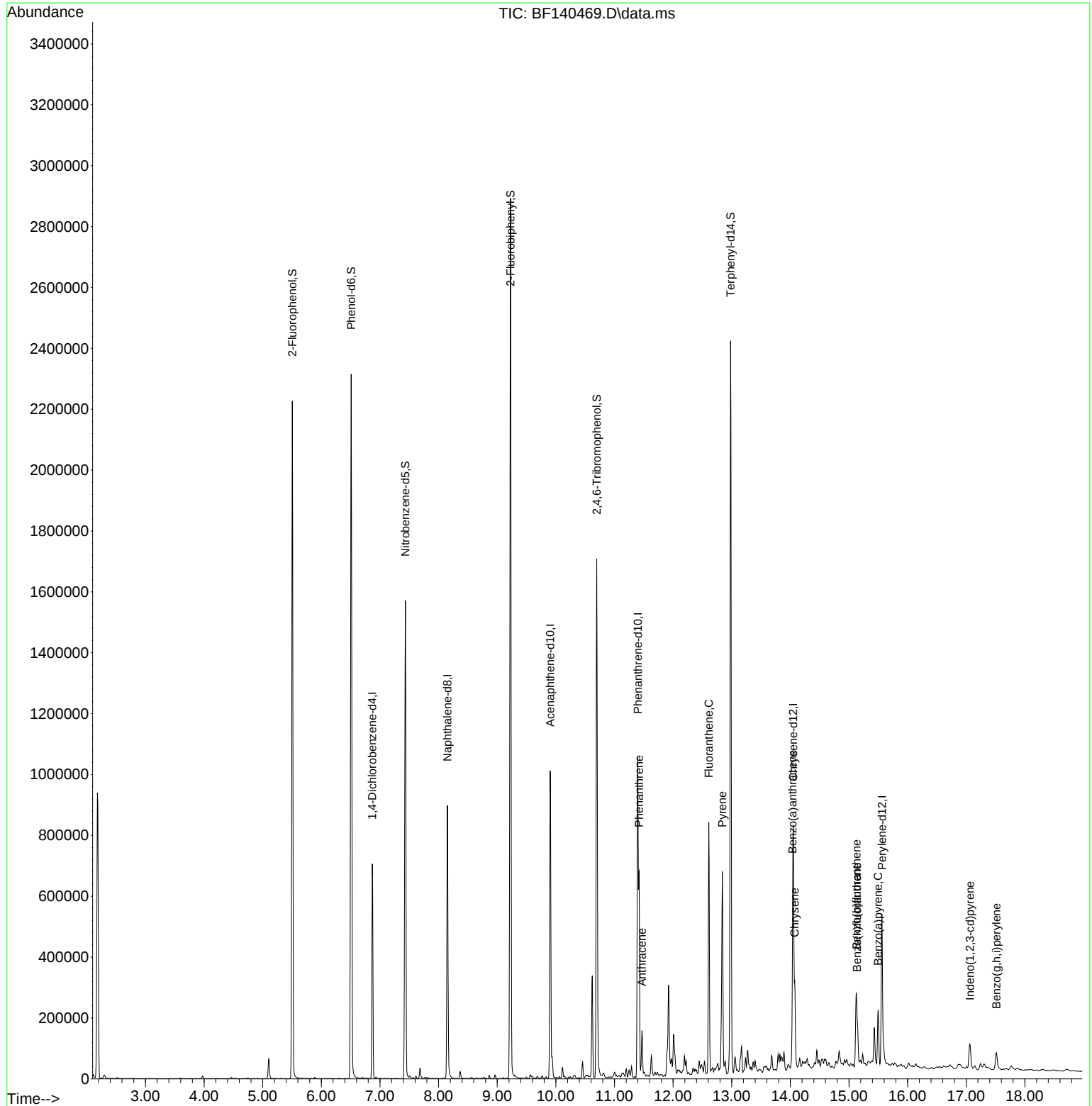
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	149238	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	570099	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	314788	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	554705	20.000	ng	0.00
76) Chrysene-d12	14.051	240	289074	20.000	ng	0.00
86) Perylene-d12	15.562	264	280792	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	832515	95.245	ng	0.01
7) Phenol-d6	6.510	99	1154409	97.482	ng	0.00
23) Nitrobenzene-d5	7.433	82	755189	69.019	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	298718	95.427	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	1340573	68.460	ng	0.00
79) Terphenyl-d14	12.980	244	1179664	70.835	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.421	178	353401	13.562	ng	99
72) Anthracene	11.469	178	81481	3.191	ng	97
75) Fluoranthene	12.610	202	464619	15.893	ng	100
78) Pyrene	12.839	202	387652	15.678	ng	98
81) Benzo(a)anthracene	14.039	228	169106	8.901	ng	98
83) Chrysene	14.074	228	141161	8.143	ng	98
87) Indeno(1,2,3-cd)pyrene	17.062	276	62021	3.576	ng	95
88) Benzo(b)fluoranthene	15.127	252	152994m	8.329	ng	
89) Benzo(k)fluoranthene	15.139	252	61054m	4.069	ng	
90) Benzo(a)pyrene	15.498	252	111656	7.828	ng	99
92) Benzo(g,h,i)perylene	17.515	276	55554	3.790	ng	99

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

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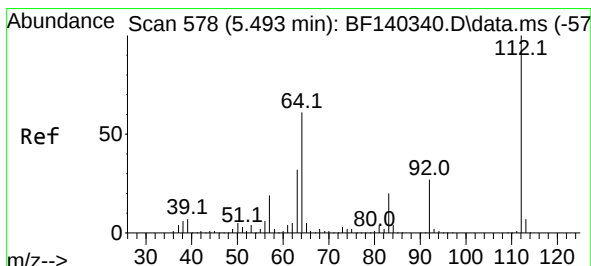
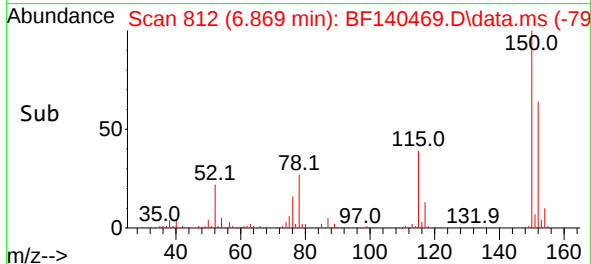
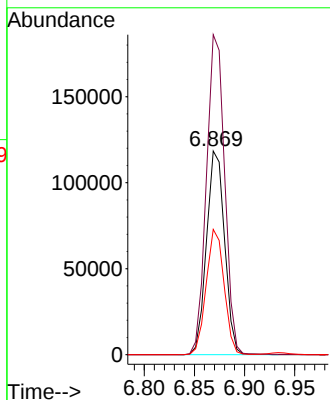
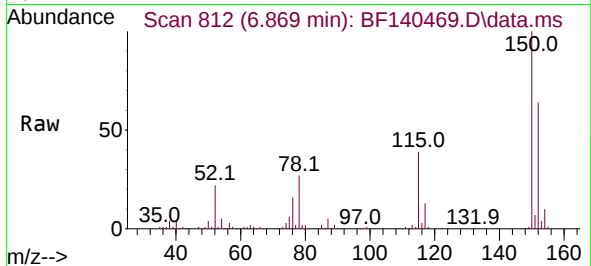




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.012 min
Lab File: BF140469.D
Acq: 19 Nov 2024 13:21

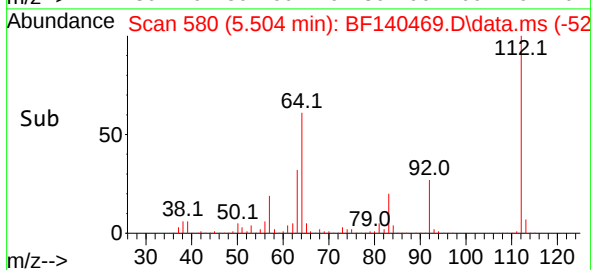
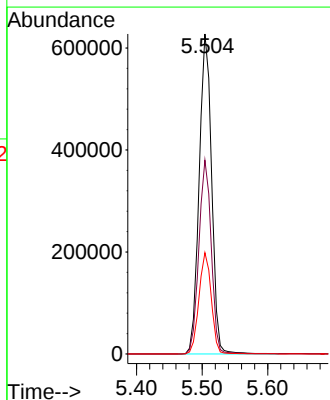
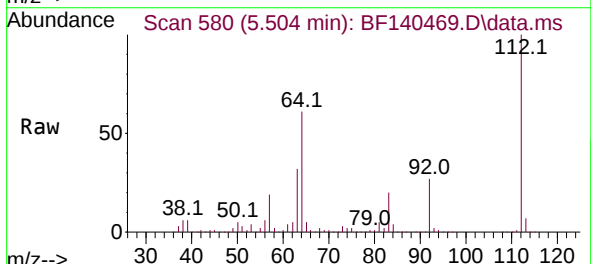
Instrument :
BNA_F
ClientSampleId :
COMP-2

Tgt Ion:152 Resp: 149238
Ion Ratio Lower Upper
152 100
150 157.1 127.4 191.0
115 61.5 47.4 71.2



#5
2-Fluorophenol
Concen: 95.245 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140469.D
Acq: 19 Nov 2024 13:21

Tgt Ion:112 Resp: 832515
Ion Ratio Lower Upper
112 100
64 60.5 49.2 73.8
63 31.6 25.6 38.4





#7

Phenol-d6

Concen: 97.482 ng

RT: 6.510 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF140469.D

Acq: 19 Nov 2024 13:21

Instrument :

BNA_F

ClientSampleId :

COMP-2

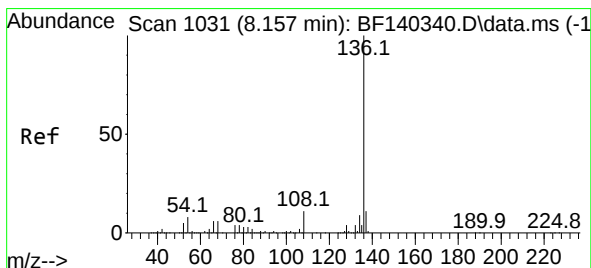
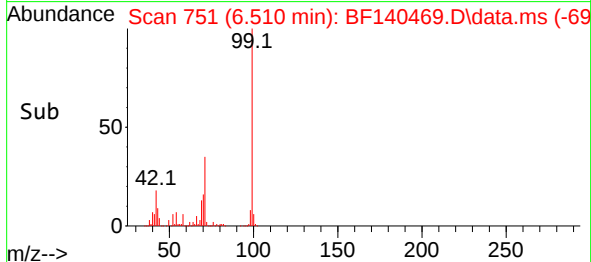
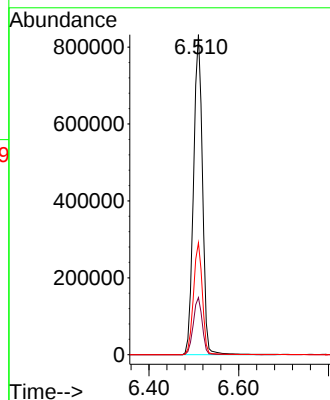
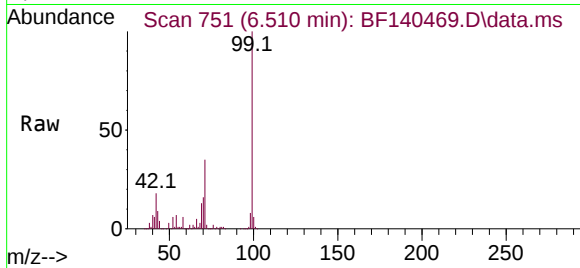
Tgt Ion: 99 Resp: 1154409

Ion Ratio Lower Upper

99 100

42 17.8 15.1 22.7

71 34.9 27.9 41.9



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.151 min Scan# 1030

Delta R.T. -0.006 min

Lab File: BF140469.D

Acq: 19 Nov 2024 13:21

Tgt Ion: 136 Resp: 570099

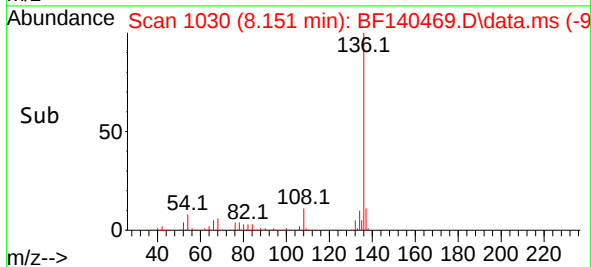
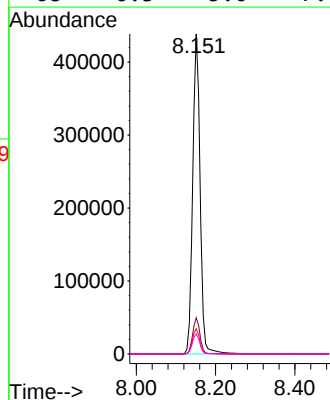
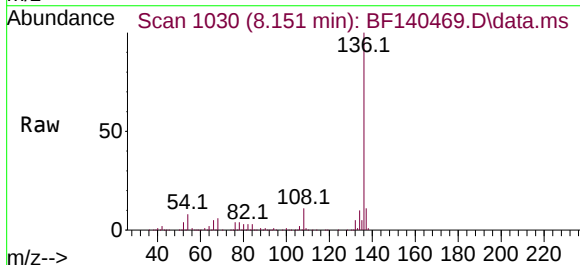
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 7.9 6.5 9.7

68 6.3 5.0 7.6





#23

Nitrobenzene-d5

Concen: 69.019 ng

RT: 7.433 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF140469.D

Acq: 19 Nov 2024 13:21

Instrument :

BNA_F

ClientSampleId :

COMP-2

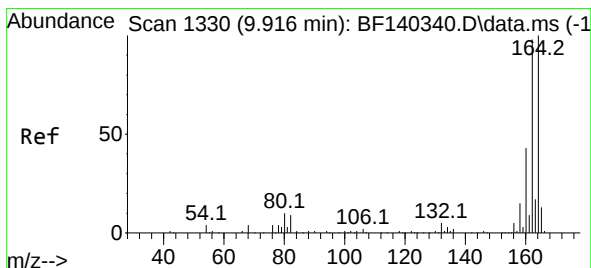
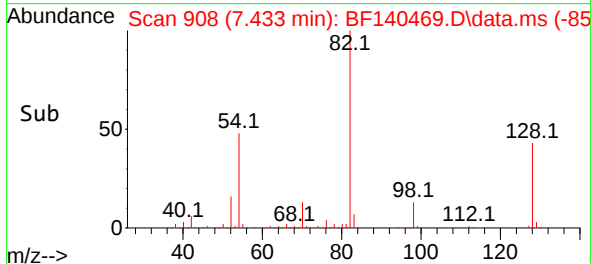
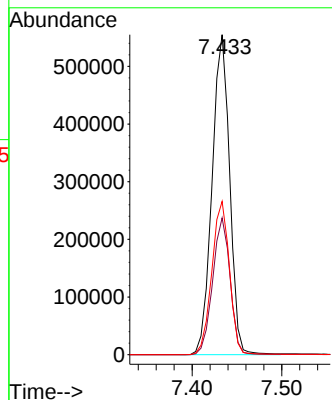
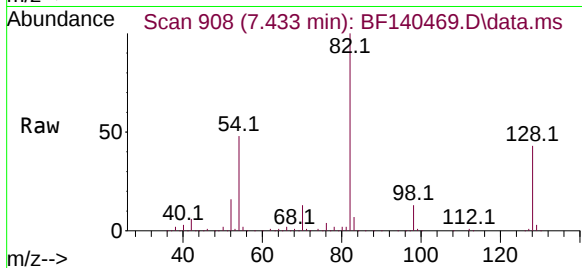
Tgt Ion: 82 Resp: 755189

Ion Ratio Lower Upper

82 100

128 42.7 33.3 49.9

54 47.9 39.8 59.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1328

Delta R.T. -0.012 min

Lab File: BF140469.D

Acq: 19 Nov 2024 13:21

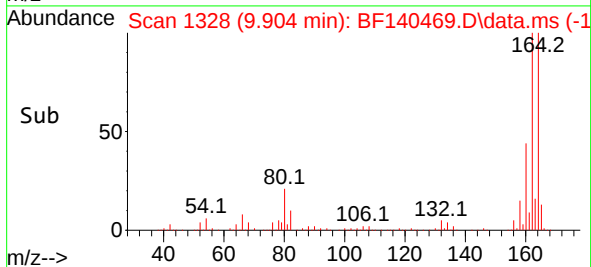
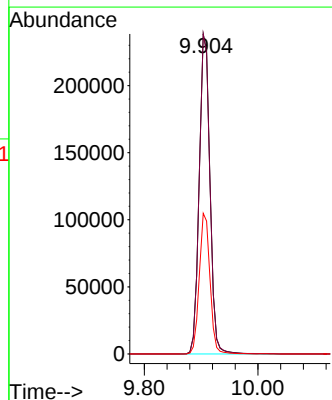
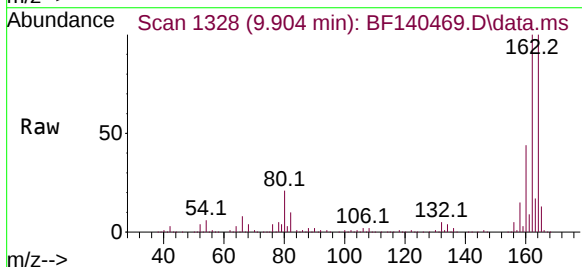
Tgt Ion:164 Resp: 314788

Ion Ratio Lower Upper

164 100

162 100.0 79.8 119.8

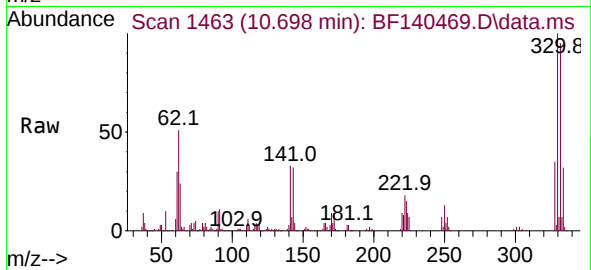
160 44.0 35.4 53.0



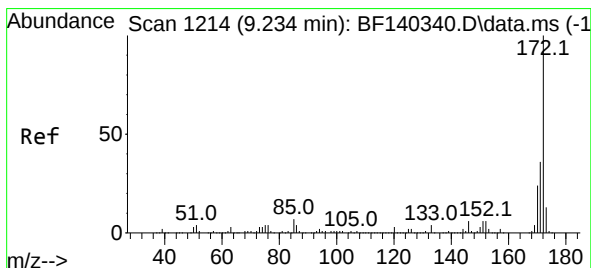
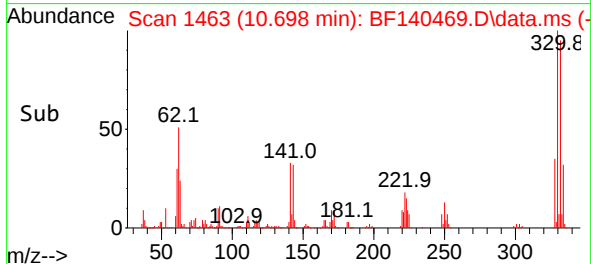
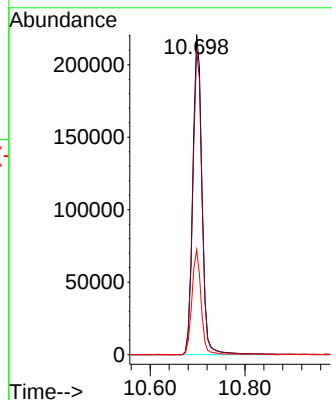


#42
2,4,6-Tribromophenol
Concen: 95.427 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140469.D
Acq: 19 Nov 2024 13:21

Instrument :
BNA_F
ClientSampleId :
COMP-2

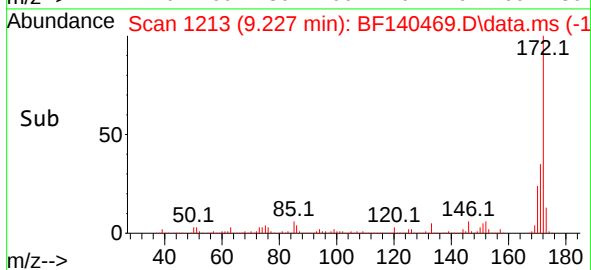
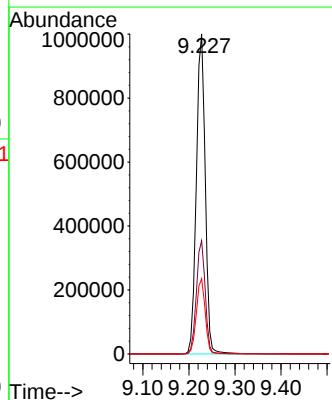
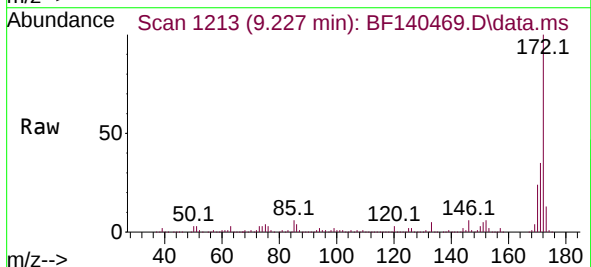


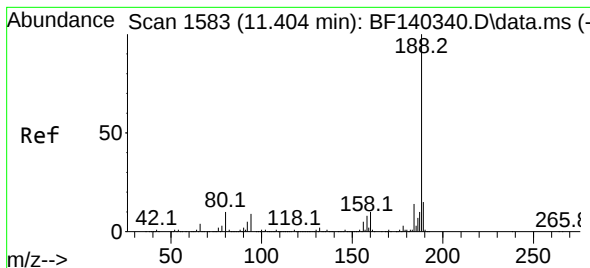
Tgt Ion:330 Resp: 298718
Ion Ratio Lower Upper
330 100
332 95.9 75.9 113.9
141 32.6 26.9 40.3



#45
2-Fluorobiphenyl
Concen: 68.460 ng
RT: 9.227 min Scan# 1213
Delta R.T. -0.006 min
Lab File: BF140469.D
Acq: 19 Nov 2024 13:21

Tgt Ion:172 Resp: 1340573
Ion Ratio Lower Upper
172 100
171 35.4 28.5 42.7
170 23.5 19.1 28.7

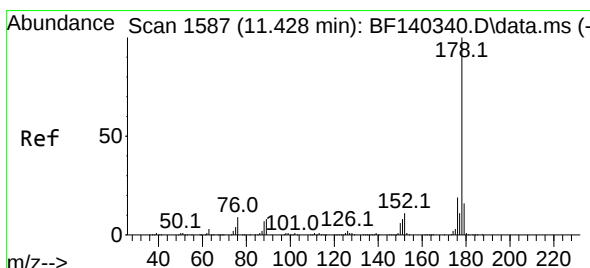
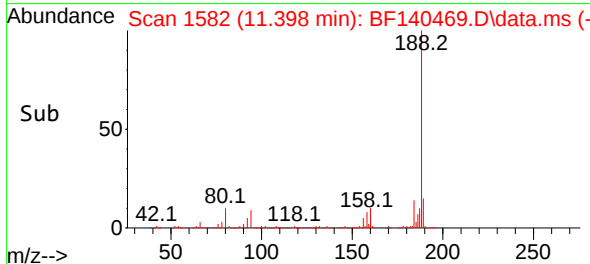
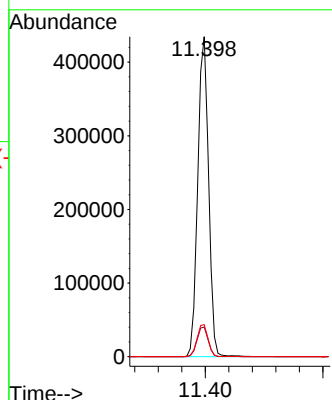
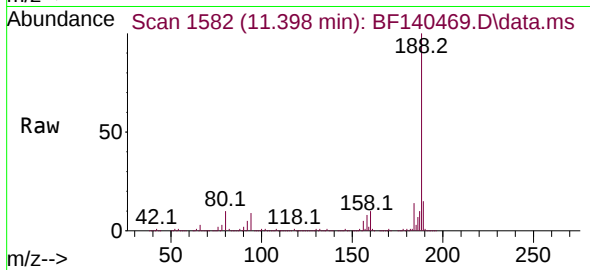




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140469.D
Acq: 19 Nov 2024 13:21

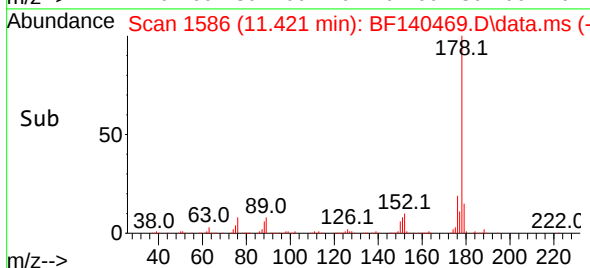
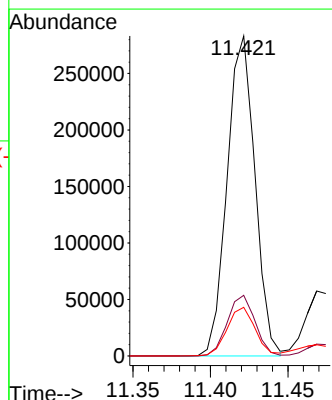
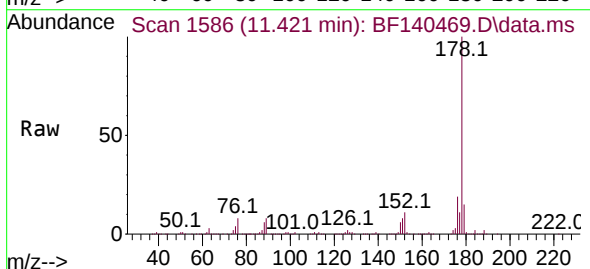
Instrument :
BNA_F
ClientSampleId :
COMP-2

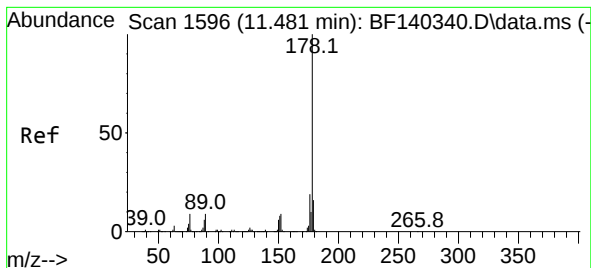
Tgt Ion:188 Resp: 554705
Ion Ratio Lower Upper
188 100
94 9.2 7.6 11.4
80 10.0 8.0 12.0



#71
Phenanthrene
Concen: 13.562 ng
RT: 11.421 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140469.D
Acq: 19 Nov 2024 13:21

Tgt Ion:178 Resp: 353401
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.2 12.4 18.6





#72

Anthracene

Concen: 3.191 ng

RT: 11.469 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF140469.D

Acq: 19 Nov 2024 13:21

Instrument :

BNA_F

ClientSampleId :

COMP-2

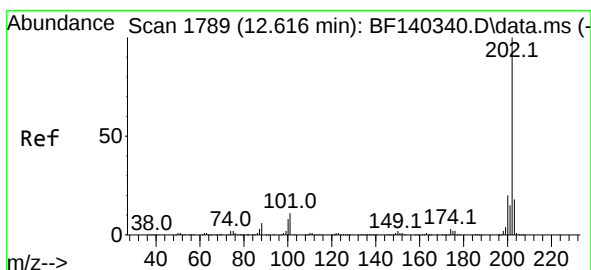
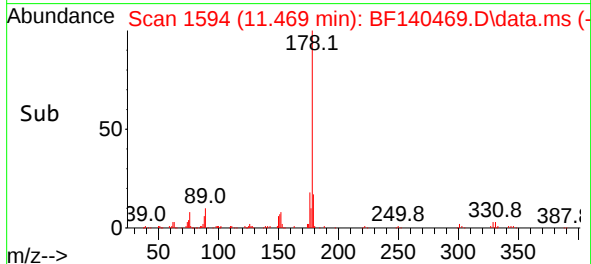
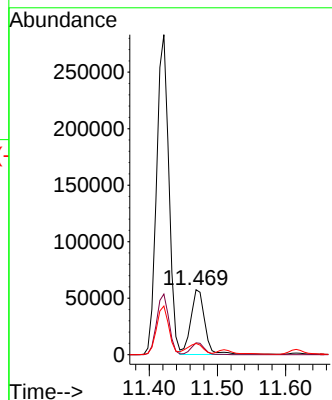
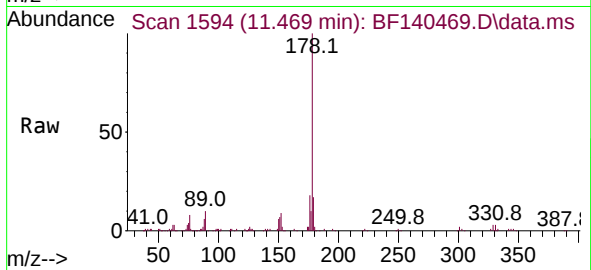
Tgt Ion:178 Resp: 81481

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.0

179 17.3 12.6 18.8



#75

Fluoranthene

Concen: 15.893 ng

RT: 12.610 min Scan# 1788

Delta R.T. -0.006 min

Lab File: BF140469.D

Acq: 19 Nov 2024 13:21

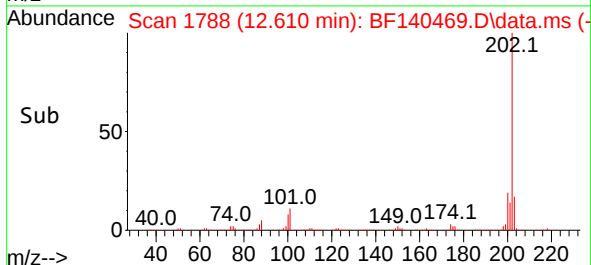
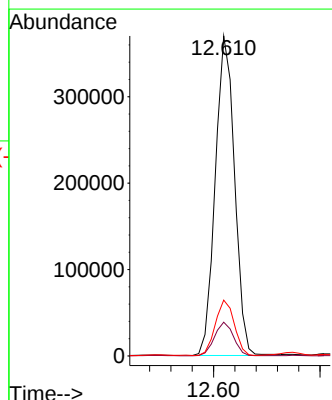
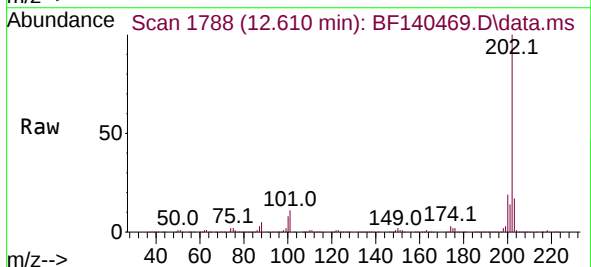
Tgt Ion:202 Resp: 464619

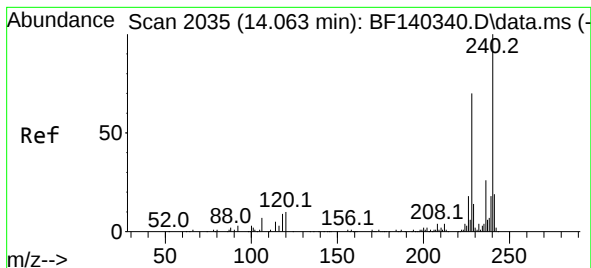
Ion Ratio Lower Upper

202 100

101 10.5 0.0 30.7

203 17.5 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: BF140469.D

Acq: 19 Nov 2024 13:21

Instrument :

BNA_F

ClientSampleId :

COMP-2

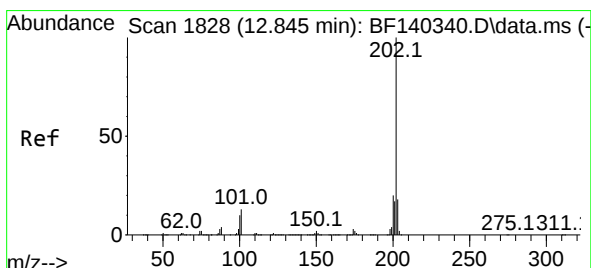
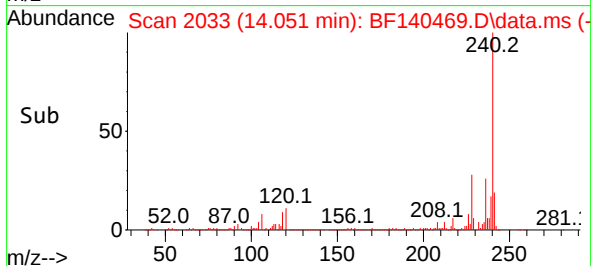
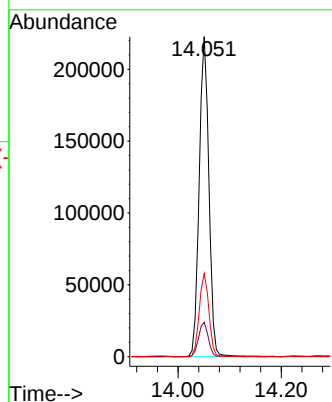
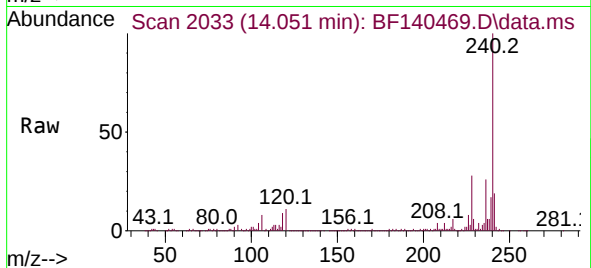
Tgt Ion:240 Resp: 289074

Ion Ratio Lower Upper

240 100

120 10.7 8.8 13.2

236 26.0 20.9 31.3



#78

Pyrene

Concen: 15.678 ng

RT: 12.839 min Scan# 1827

Delta R.T. -0.006 min

Lab File: BF140469.D

Acq: 19 Nov 2024 13:21

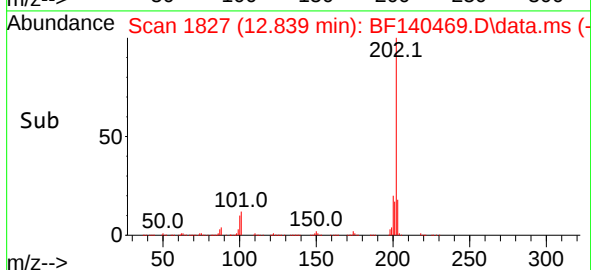
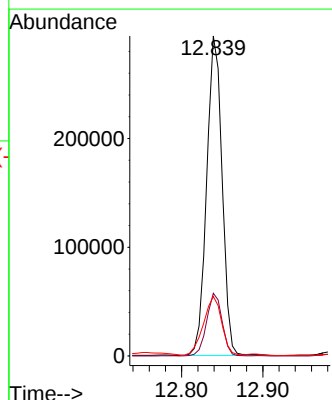
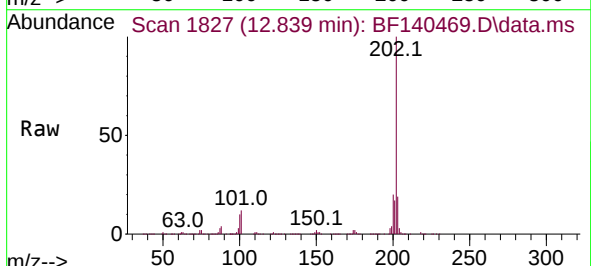
Tgt Ion:202 Resp: 387652

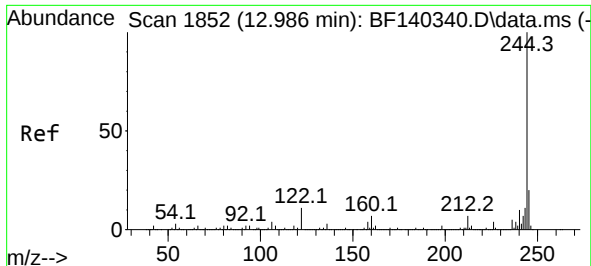
Ion Ratio Lower Upper

202 100

200 19.6 16.2 24.2

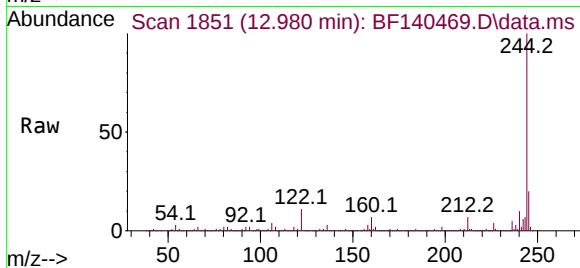
203 18.6 14.2 21.4



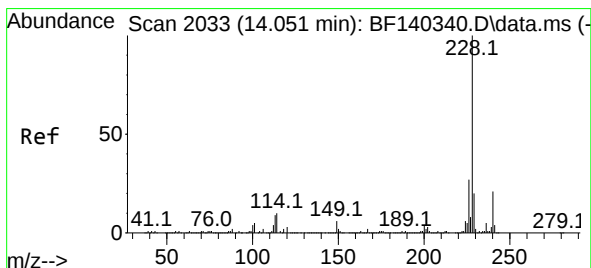
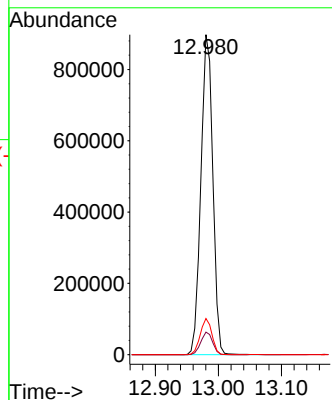
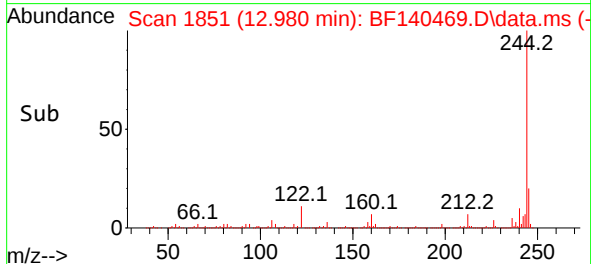


#79
 Terphenyl-d14
 Concen: 70.835 ng
 RT: 12.980 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF140469.D
 Acq: 19 Nov 2024 13:21

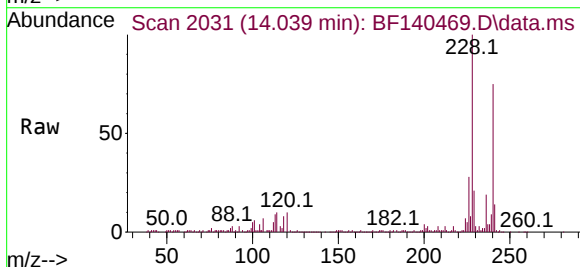
Instrument :
 BNA_F
 ClientSampleId :
 COMP-2



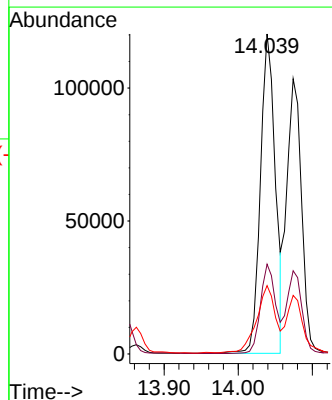
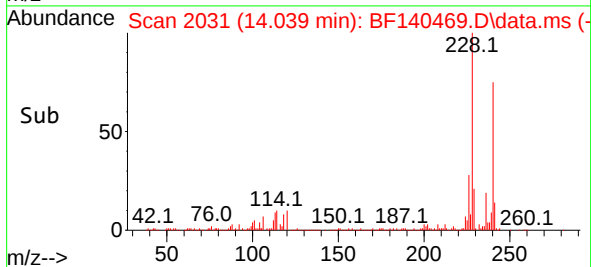
Tgt Ion:244 Resp: 1179664
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.8
 122 11.3 8.8 13.2

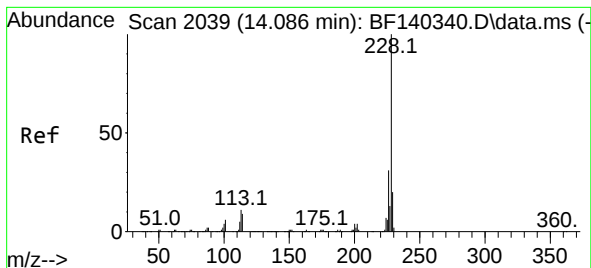


#81
 Benzo(a)anthracene
 Concen: 8.901 ng
 RT: 14.039 min Scan# 2031
 Delta R.T. -0.000 min
 Lab File: BF140469.D
 Acq: 19 Nov 2024 13:21



Tgt Ion:228 Resp: 169106
 Ion Ratio Lower Upper
 228 100
 226 28.0 22.2 33.4
 229 21.3 15.8 23.6





#83

Chrysene

Concen: 8.143 ng

RT: 14.074 min Scan# 2039

Delta R.T. -0.006 min

Lab File: BF140469.D

Acq: 19 Nov 2024 13:21

Instrument :

BNA_F

ClientSampleId :

COMP-2

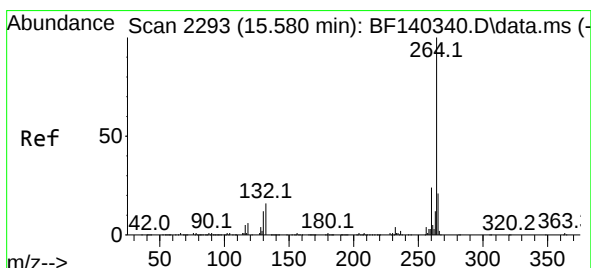
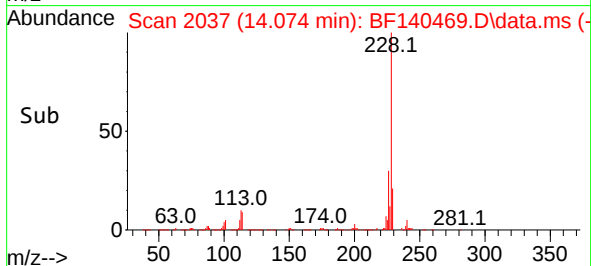
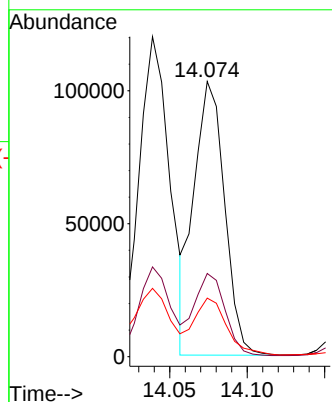
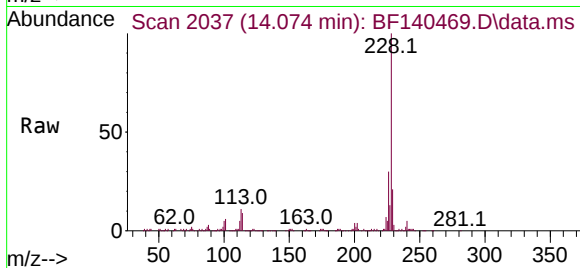
Tgt Ion:228 Resp: 141161

Ion Ratio Lower Upper

228 100

226 30.2 24.5 36.7

229 21.3 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 2290

Delta R.T. 0.006 min

Lab File: BF140469.D

Acq: 19 Nov 2024 13:21

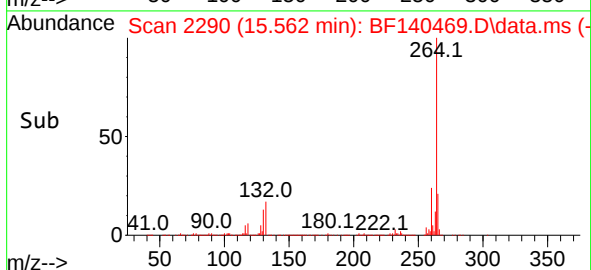
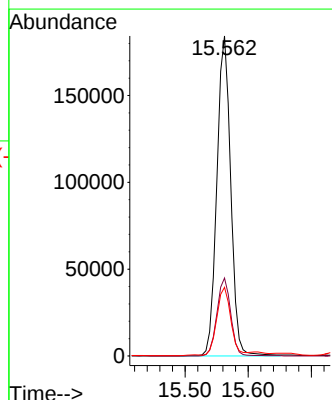
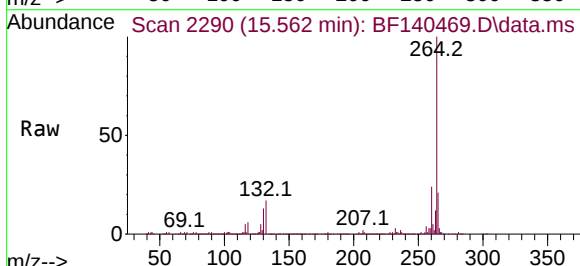
Tgt Ion:264 Resp: 280792

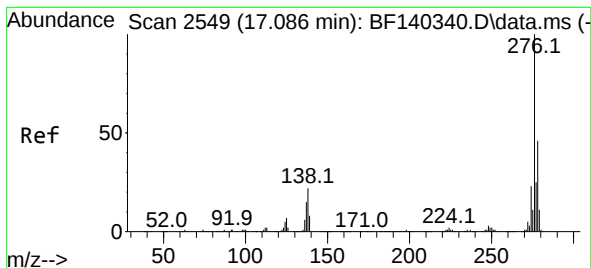
Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

265 21.5 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.576 ng

RT: 17.062 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF140469.D

Acq: 19 Nov 2024 13:21

Instrument :

BNA_F

ClientSampleId :

COMP-2

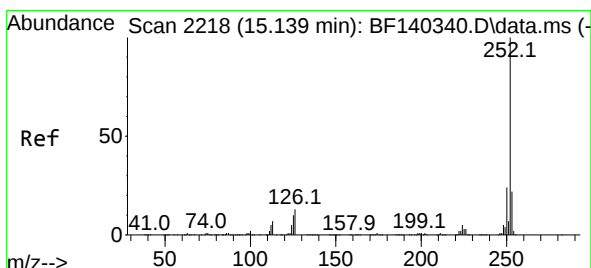
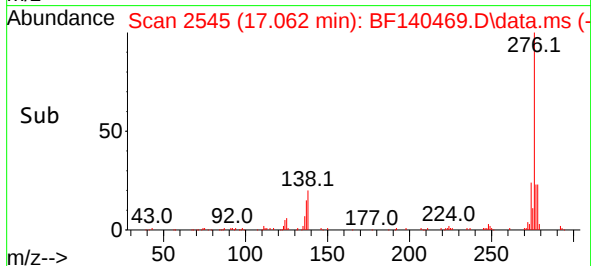
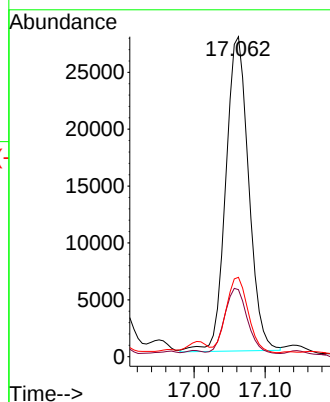
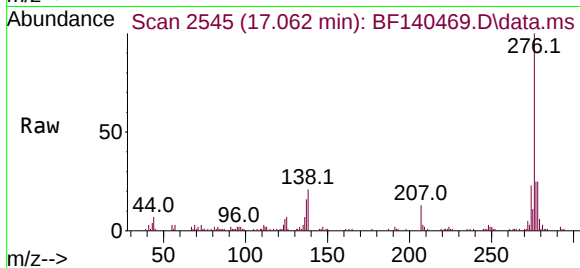
Tgt Ion:276 Resp: 62021

Ion Ratio Lower Upper

276 100

138 20.5 18.8 28.2

277 23.3 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 8.329 ng m

RT: 15.127 min Scan# 2216

Delta R.T. 0.012 min

Lab File: BF140469.D

Acq: 19 Nov 2024 13:21

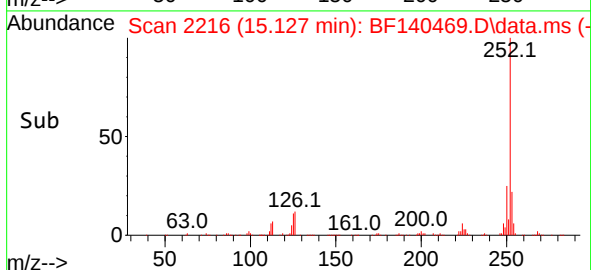
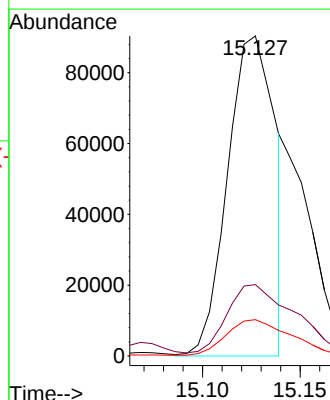
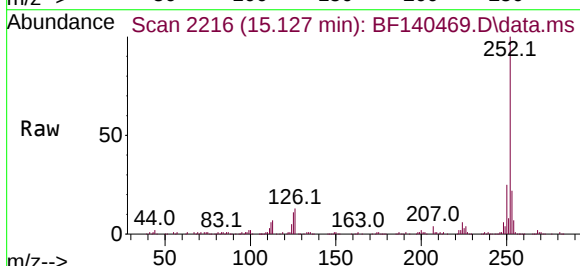
Tgt Ion:252 Resp: 152994

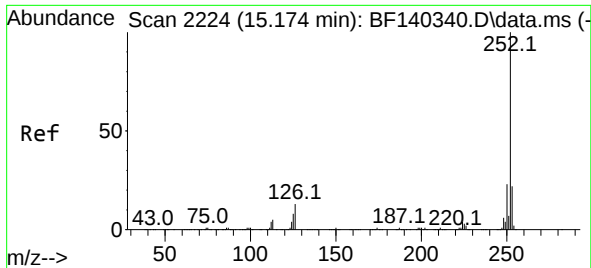
Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

125 11.3 8.0 12.0

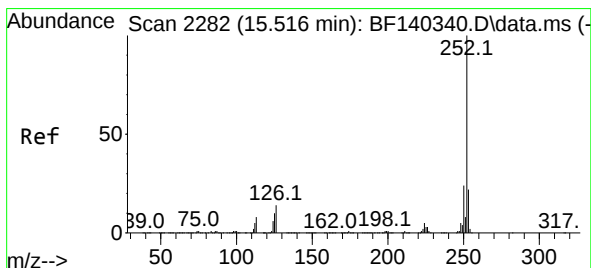
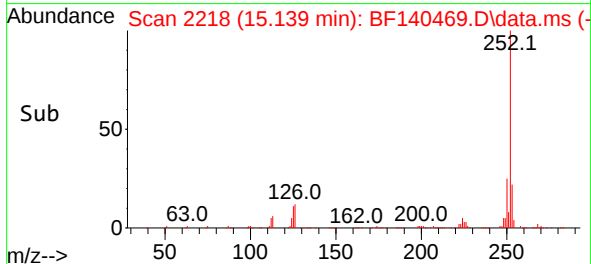
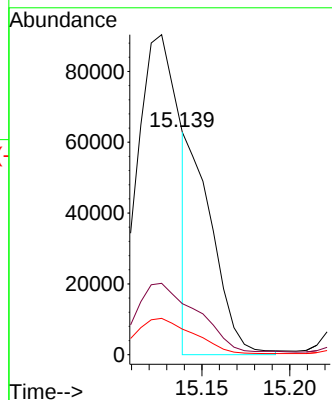
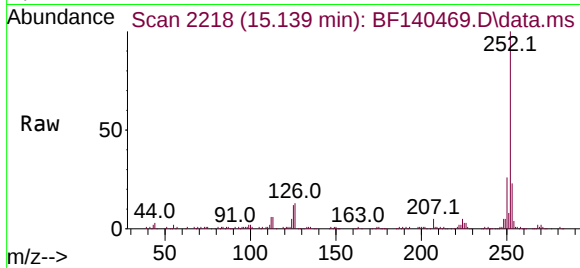




#89
Benzo(k)fluoranthene
Concen: 4.069 ng m
RT: 15.139 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF140469.D
Acq: 19 Nov 2024 13:21

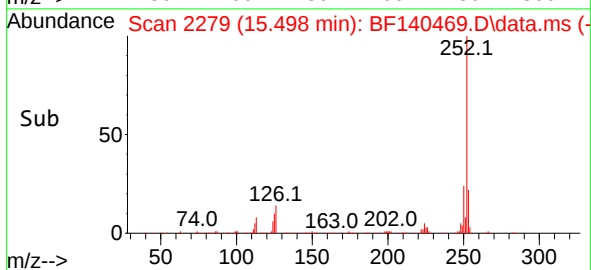
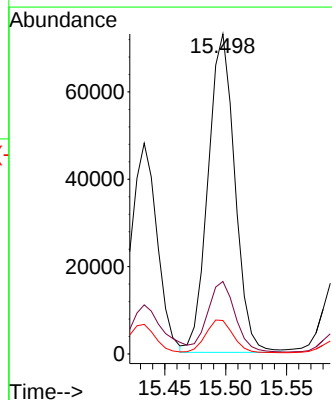
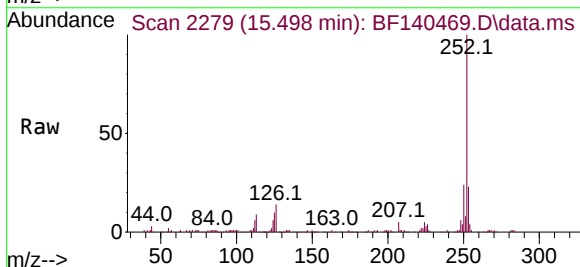
Instrument :
BNA_F
ClientSampleId :
COMP-2

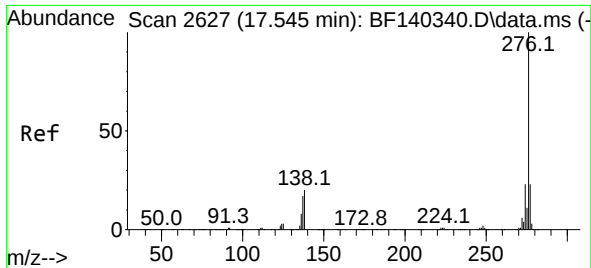
Tgt Ion:252 Resp: 61054
Ion Ratio Lower Upper
252 100
253 23.0 17.3 25.9
125 11.5 7.4 11.2#



#90
Benzo(a)pyrene
Concen: 7.828 ng
RT: 15.498 min Scan# 2279
Delta R.T. 0.006 min
Lab File: BF140469.D
Acq: 19 Nov 2024 13:21

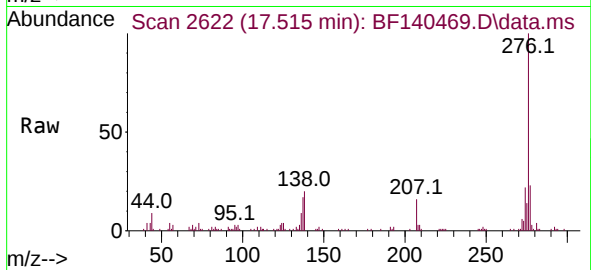
Tgt Ion:252 Resp: 111656
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.6
125 10.4 8.4 12.6





#92
 Benzo(g,h,i)perylene
 Concen: 3.790 ng
 RT: 17.515 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: BF140469.D
 Acq: 19 Nov 2024 13:21

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2



Tgt Ion:276 Resp: 55554
 Ion Ratio Lower Upper
 276 100
 277 23.0 18.6 28.0
 138 19.7 16.0 24.0

