

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111924\
 Data File : BF140468.D
 Acq On : 19 Nov 2024 12:54
 Operator : RC/JU
 Sample : P4852-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Quant Time: Nov 19 13:18:02 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)

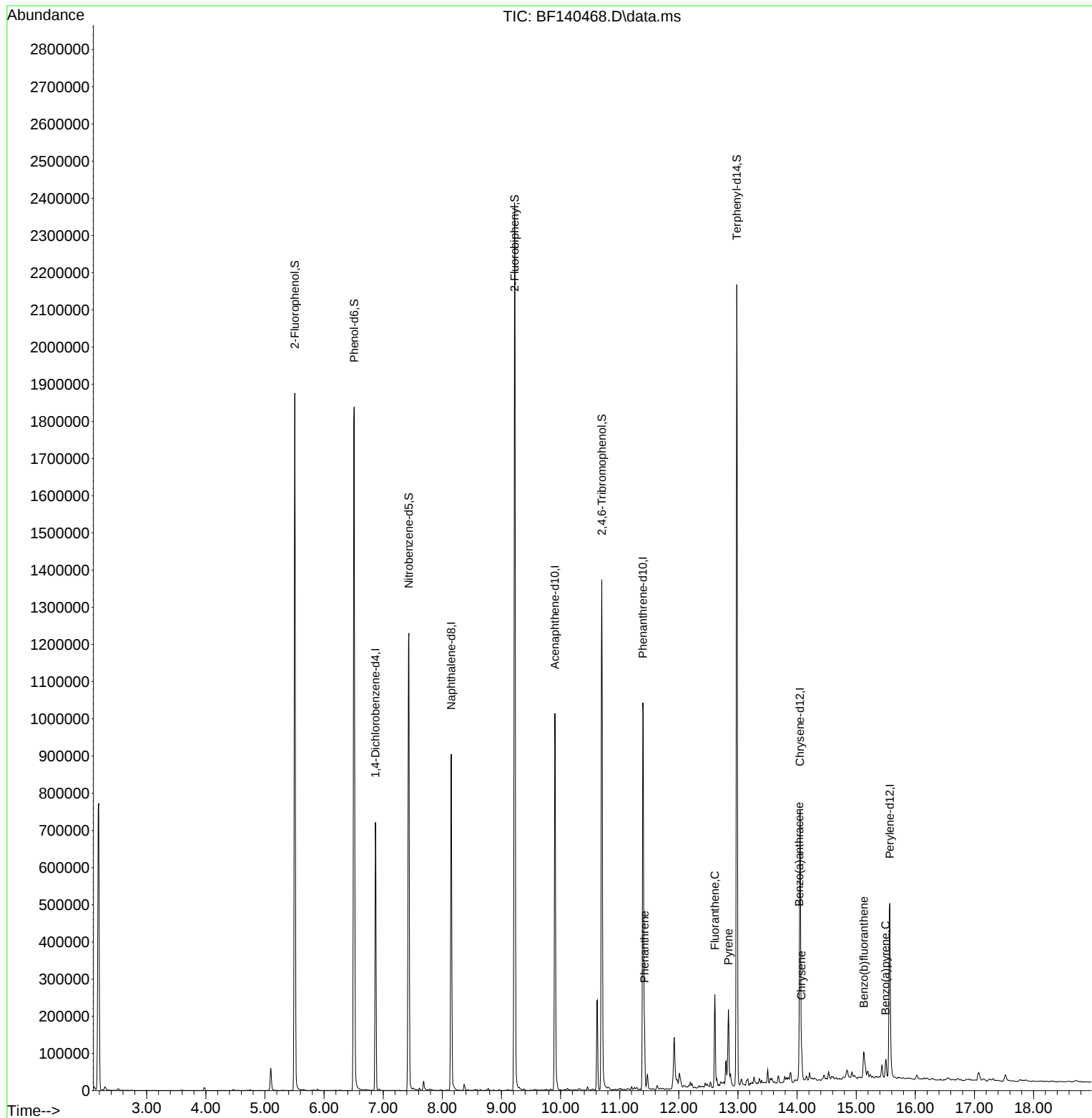
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	154847	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	579716	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	318630	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	582083	20.000	ng	-0.01
76) Chrysene-d12	14.051	240	316058	20.000	ng	0.00
86) Perylene-d12	15.568	264	288064	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	698864	77.059	ng	0.01
7) Phenol-d6	6.510	99	926760	75.424	ng	0.00
23) Nitrobenzene-d5	7.434	82	609652	54.793	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	242538	76.546	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	1113906	56.199	ng	-0.01
79) Terphenyl-d14	12.980	244	1035213	56.854	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.422	178	87171	3.188	ng	98
75) Fluoranthene	12.610	202	142825	4.656	ng	99
78) Pyrene	12.839	202	117198	4.335	ng	98
81) Benzo(a)anthracene	14.039	228	47602	2.292	ng	98
83) Chrysene	14.074	228	40634	2.144	ng	97
88) Benzo(b)fluoranthene	15.127	252	44000m	2.335	ng	
90) Benzo(a)pyrene	15.498	252	31910	2.181	ng	98

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

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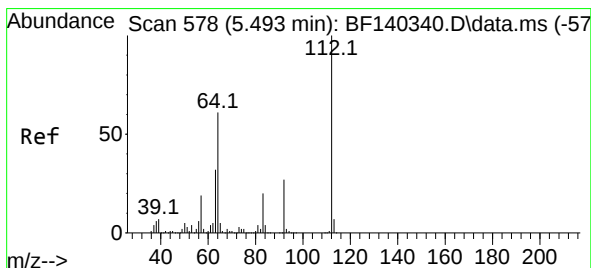
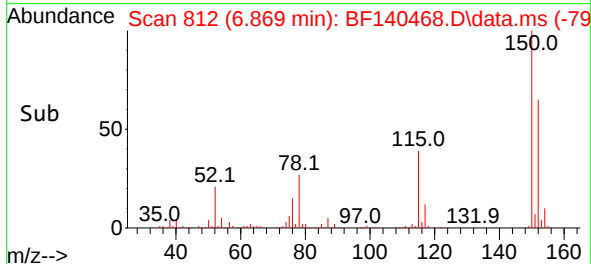
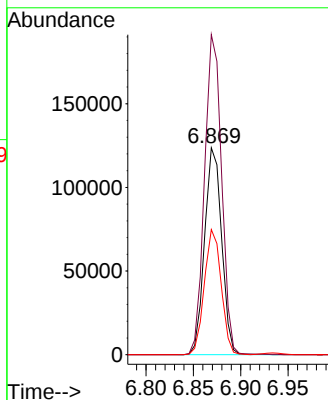
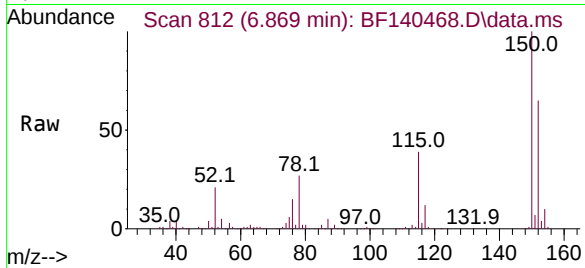




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.012 min
Lab File: BF140468.D
Acq: 19 Nov 2024 12:54

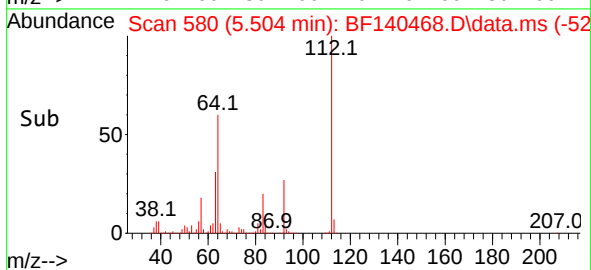
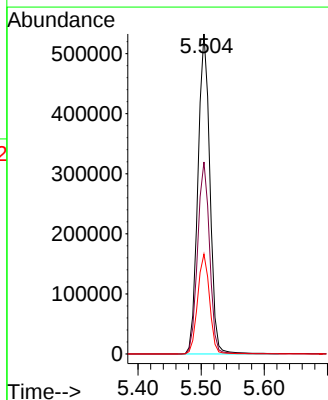
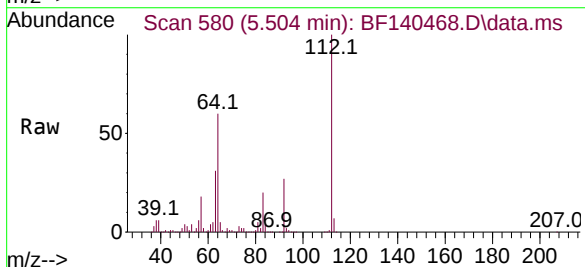
Instrument :
BNA_F
ClientSampleId :
COMP-1

Tgt Ion:152 Resp: 154847
Ion Ratio Lower Upper
152 100
150 154.7 127.4 191.0
115 60.5 47.4 71.2



#5
2-Fluorophenol
Concen: 77.059 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.012 min
Lab File: BF140468.D
Acq: 19 Nov 2024 12:54

Tgt Ion:112 Resp: 698864
Ion Ratio Lower Upper
112 100
64 60.0 49.2 73.8
63 31.2 25.6 38.4





#7

Phenol-d6

Concen: 75.424 ng

RT: 6.510 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF140468.D

Acq: 19 Nov 2024 12:54

Instrument :

BNA_F

ClientSampleId :

COMP-1

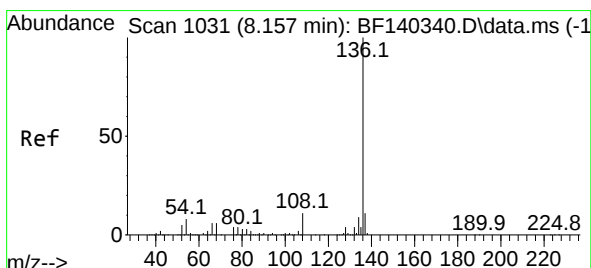
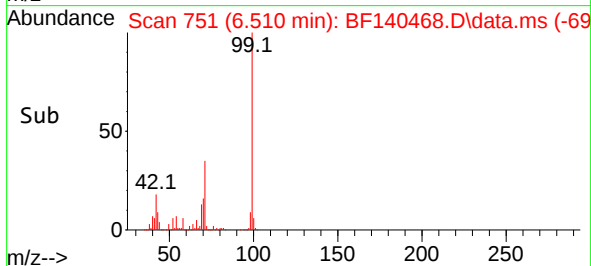
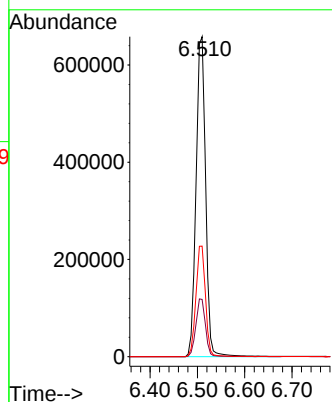
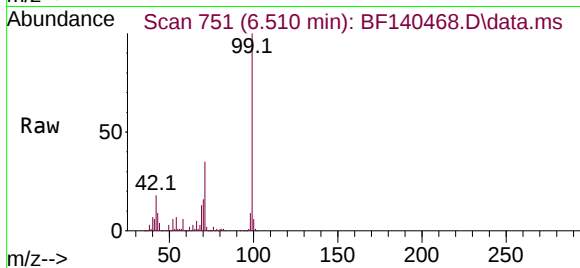
Tgt Ion: 99 Resp: 926760

Ion Ratio Lower Upper

99 100

42 17.9 15.1 22.7

71 34.5 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: BF140468.D

Acq: 19 Nov 2024 12:54

Tgt Ion: 136 Resp: 579716

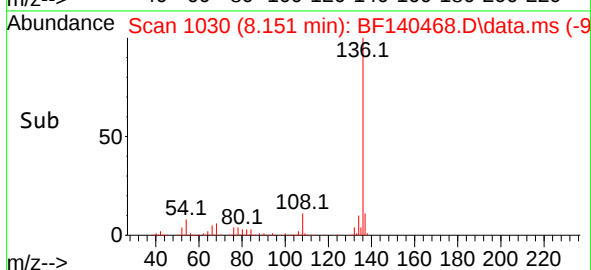
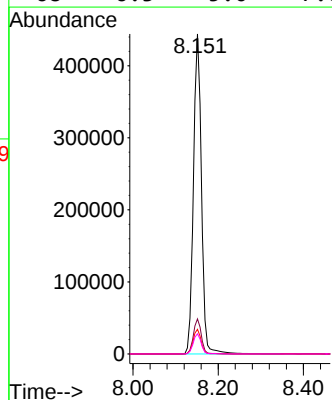
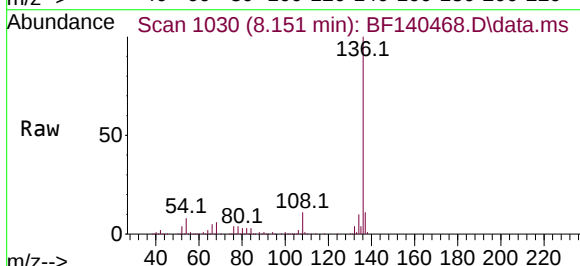
Ion Ratio Lower Upper

136 100

137 10.9 8.7 13.1

54 7.7 6.5 9.7

68 6.3 5.0 7.6

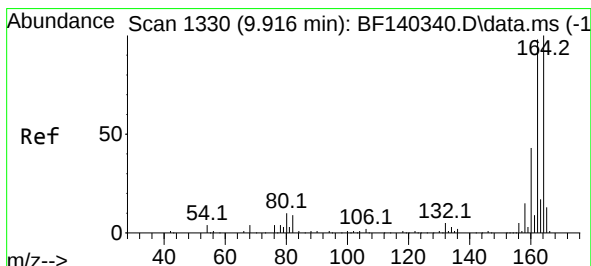
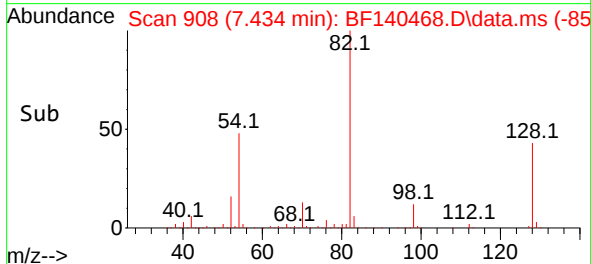
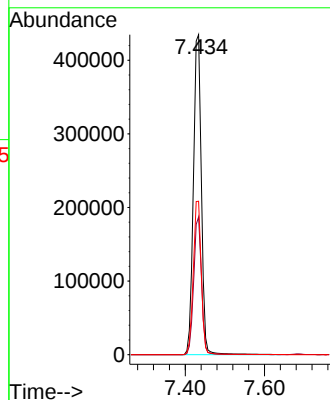
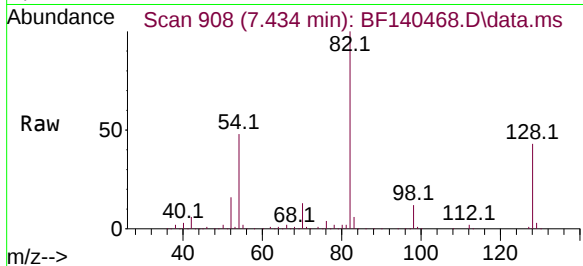




#23
Nitrobenzene-d5
Concen: 54.793 ng
RT: 7.434 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF140468.D
Acq: 19 Nov 2024 12:54

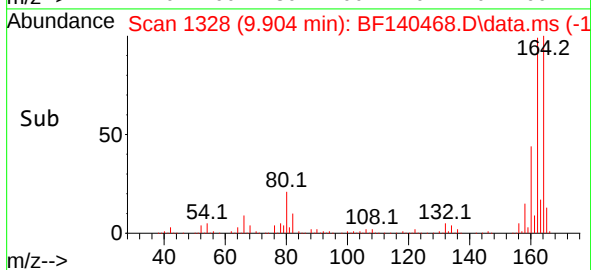
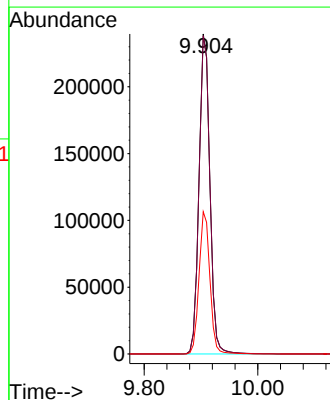
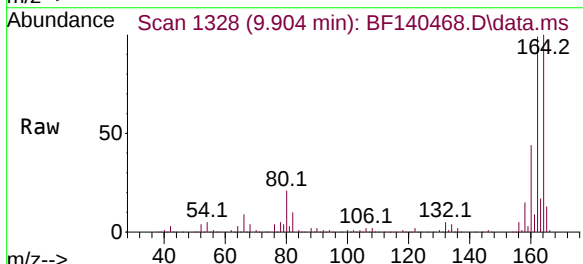
Instrument :
BNA_F
ClientSampleId :
COMP-1

Tgt Ion: 82 Resp: 609652
Ion Ratio Lower Upper
82 100
128 43.0 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: BF140468.D
Acq: 19 Nov 2024 12:54

Tgt Ion:164 Resp: 318630
Ion Ratio Lower Upper
164 100
162 99.4 79.8 119.8
160 44.4 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 76.546 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF140468.D

Acq: 19 Nov 2024 12:54

Instrument :

BNA_F

ClientSampleId :

COMP-1

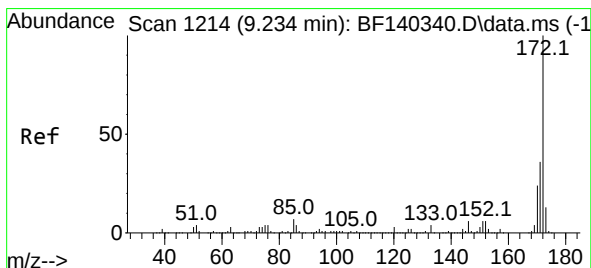
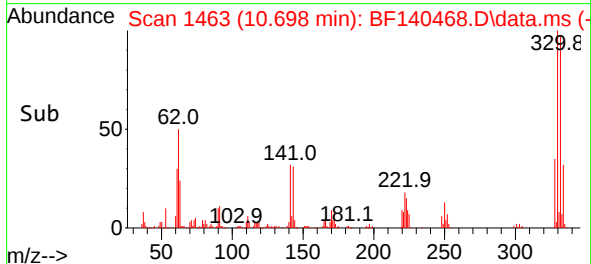
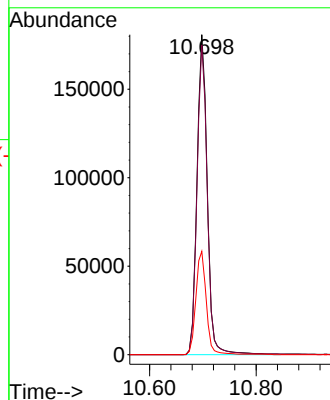
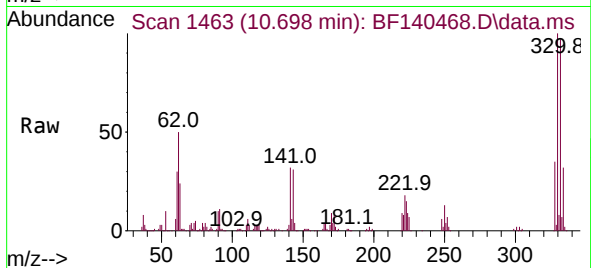
Tgt Ion:330 Resp: 242538

Ion Ratio Lower Upper

330 100

332 96.8 75.9 113.9

141 32.7 26.9 40.3



#45

2-Fluorobiphenyl

Concen: 56.199 ng

RT: 9.222 min Scan# 1212

Delta R.T. -0.012 min

Lab File: BF140468.D

Acq: 19 Nov 2024 12:54

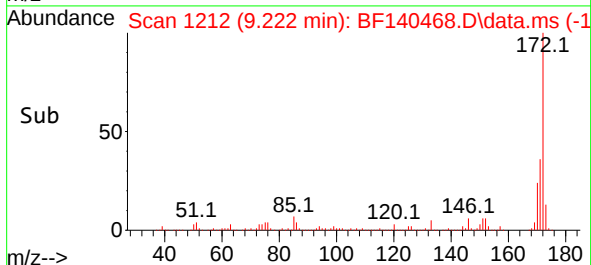
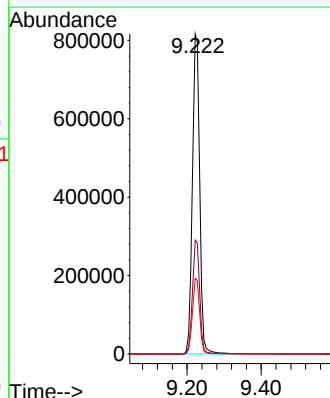
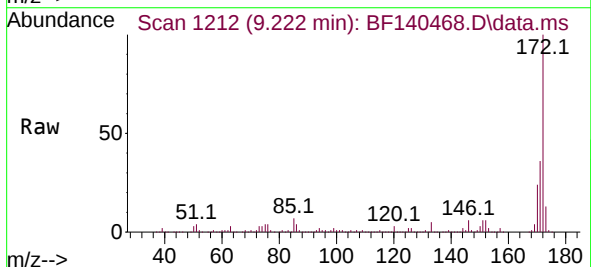
Tgt Ion:172 Resp: 1113906

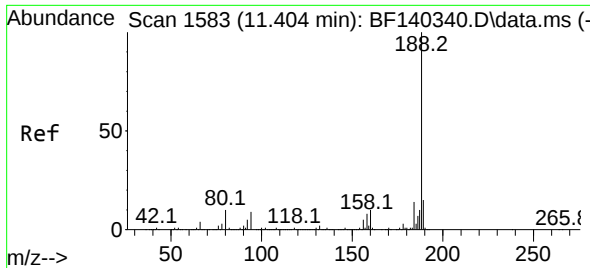
Ion Ratio Lower Upper

172 100

171 35.6 28.5 42.7

170 23.6 19.1 28.7

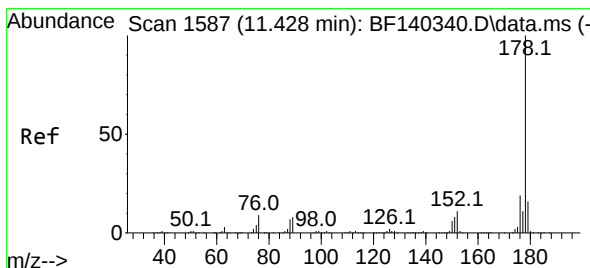
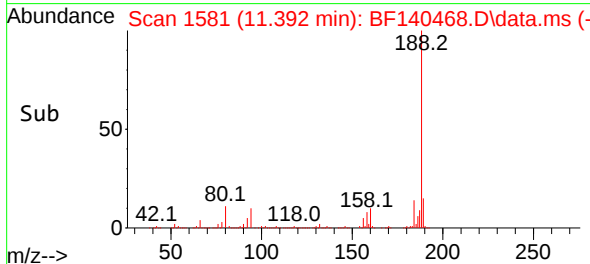
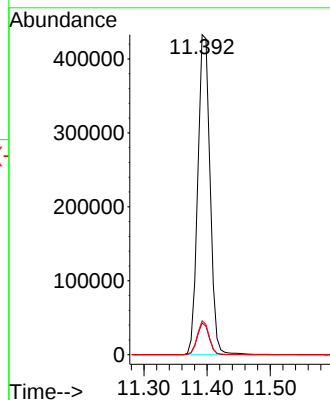
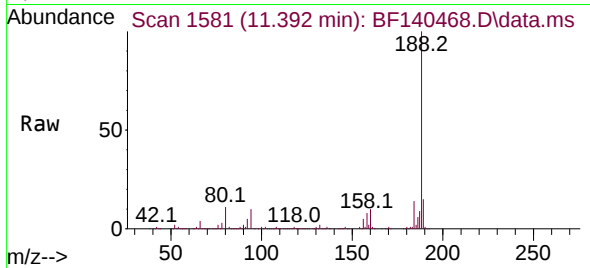




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF140468.D
Acq: 19 Nov 2024 12:54

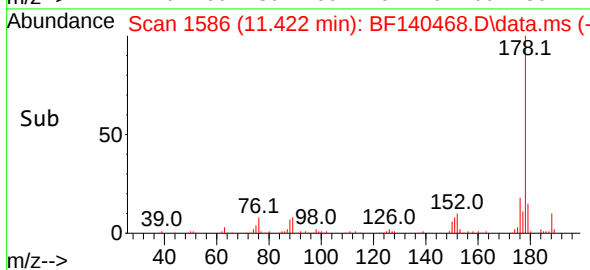
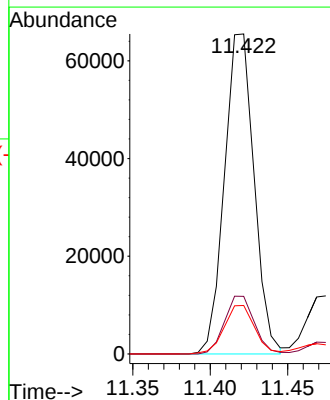
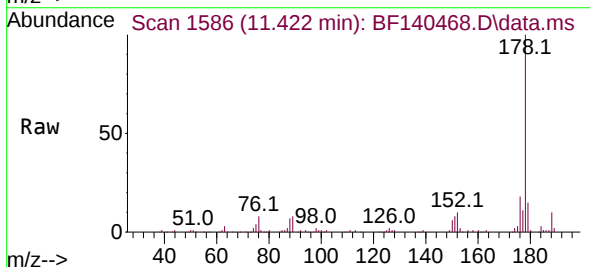
Instrument :
BNA_F
ClientSampleId :
COMP-1

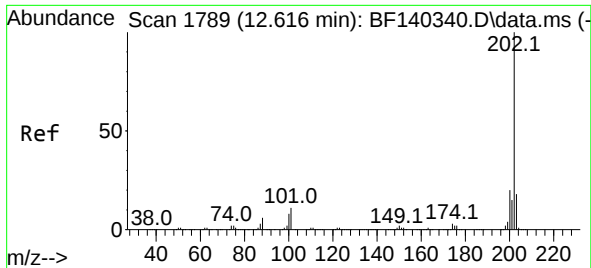
Tgt Ion:188 Resp: 582083
Ion Ratio Lower Upper
188 100
94 9.9 7.6 11.4
80 10.6 8.0 12.0



#71
Phenanthrene
Concen: 3.188 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140468.D
Acq: 19 Nov 2024 12:54

Tgt Ion:178 Resp: 87171
Ion Ratio Lower Upper
178 100
176 18.0 15.5 23.3
179 15.2 12.4 18.6

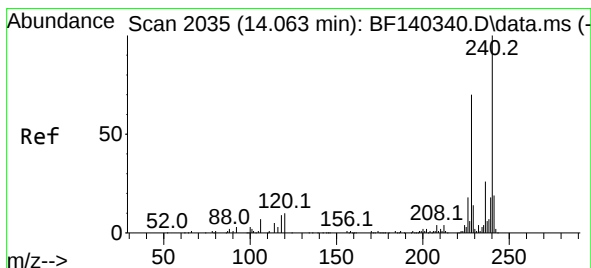
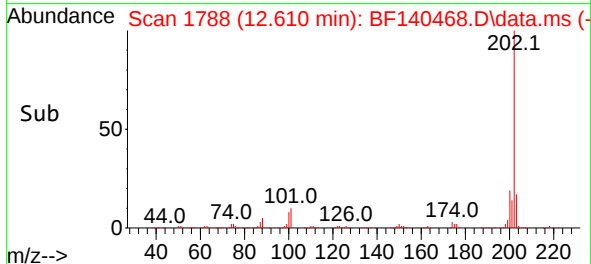
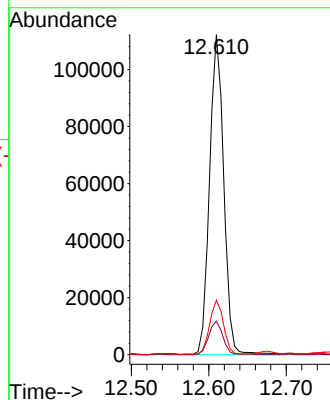
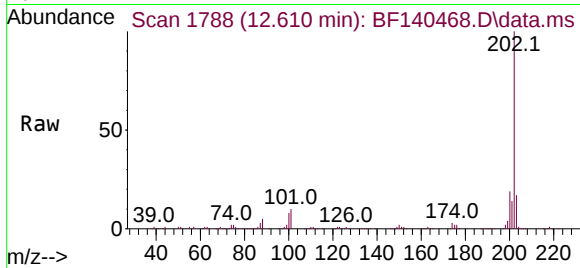




#75
Fluoranthene
Concen: 4.656 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140468.D
Acq: 19 Nov 2024 12:54

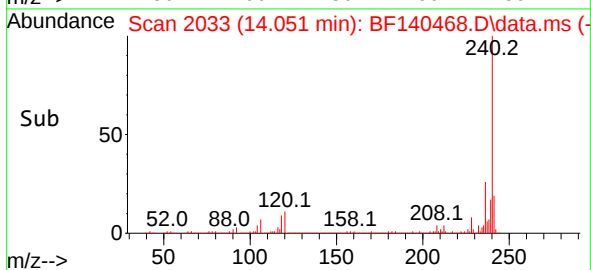
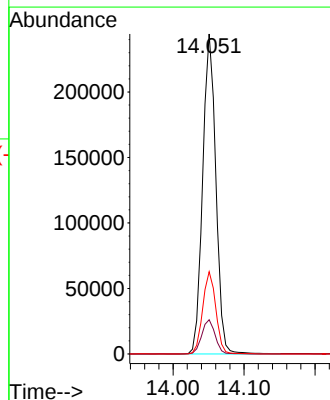
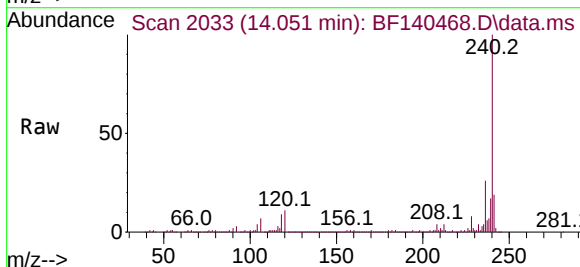
Instrument :
BNA_F
ClientSampleId :
COMP-1

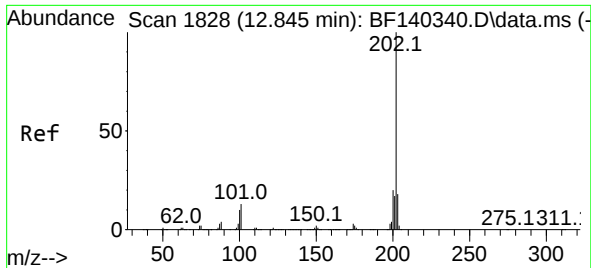
Tgt Ion:202 Resp: 142825
Ion Ratio Lower Upper
202 100
101 10.5 0.0 30.7
203 17.0 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2033
Delta R.T. -0.000 min
Lab File: BF140468.D
Acq: 19 Nov 2024 12:54

Tgt Ion:240 Resp: 316058
Ion Ratio Lower Upper
240 100
120 10.7 8.8 13.2
236 25.7 20.9 31.3

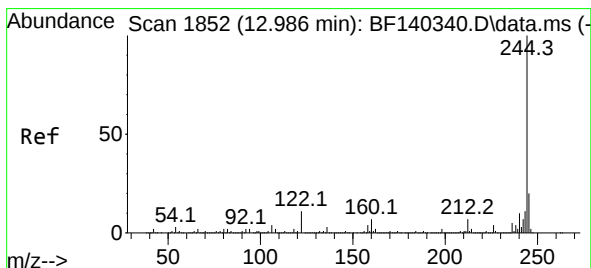
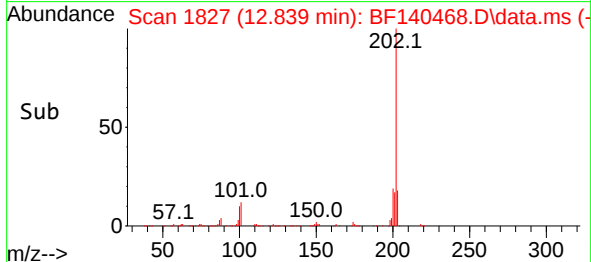
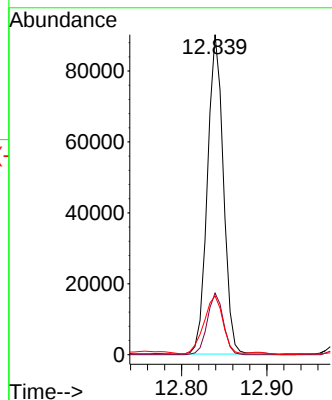
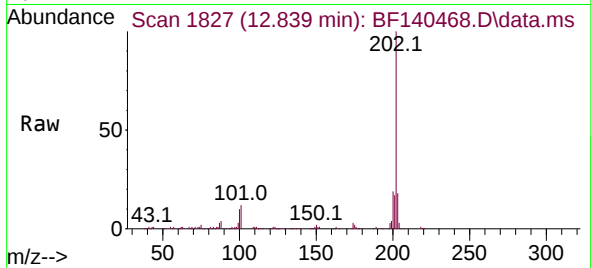




#78
Pyrene
Concen: 4.335 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF140468.D
Acq: 19 Nov 2024 12:54

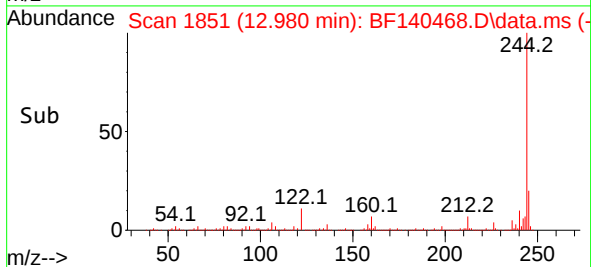
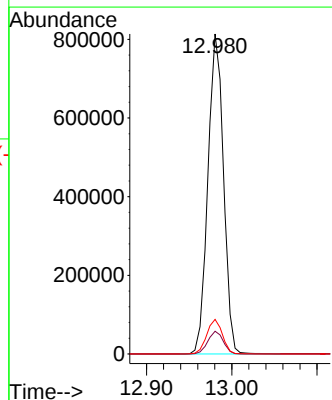
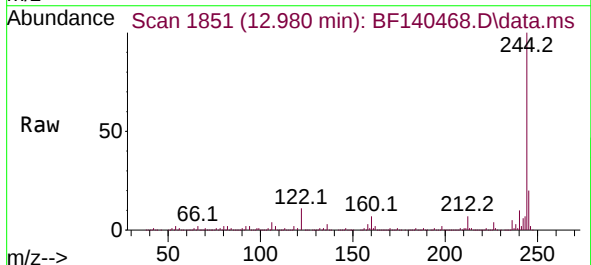
Instrument :
BNA_F
ClientSampleId :
COMP-1

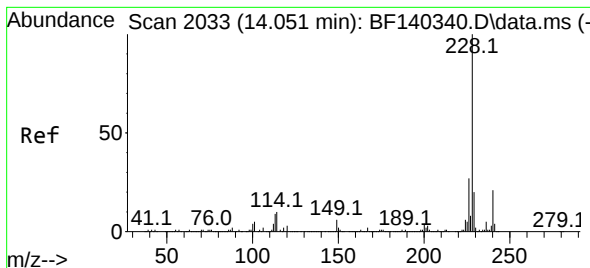
Tgt Ion:202 Resp: 117198
Ion Ratio Lower Upper
202 100
200 19.2 16.2 24.2
203 18.4 14.2 21.4



#79
Terphenyl-d14
Concen: 56.854 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF140468.D
Acq: 19 Nov 2024 12:54

Tgt Ion:244 Resp: 1035213
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: 2.292 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.000 min

Lab File: BF140468.D

Acq: 19 Nov 2024 12:54

Instrument :

BNA_F

ClientSampleId :

COMP-1

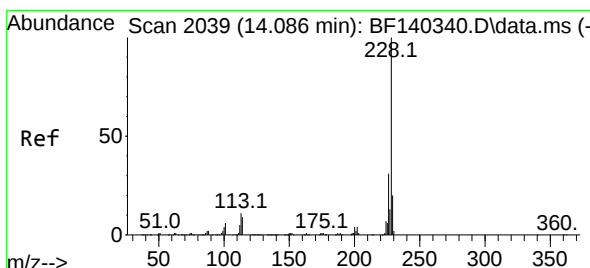
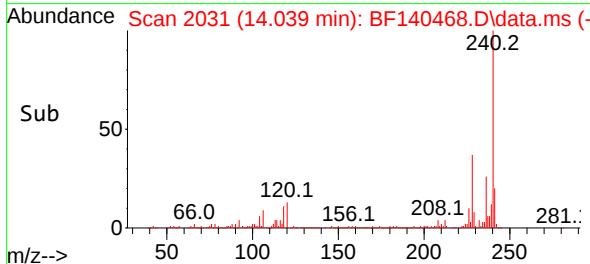
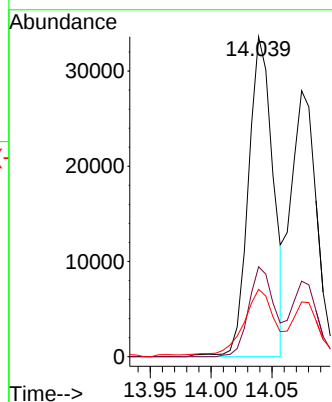
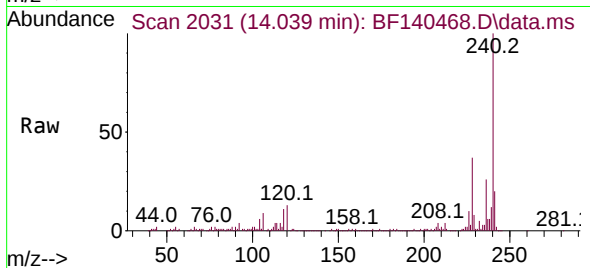
Tgt Ion:228 Resp: 47602

Ion Ratio Lower Upper

228 100

226 28.1 22.2 33.4

229 21.0 15.8 23.6



#83

Chrysene

Concen: 2.144 ng

RT: 14.074 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF140468.D

Acq: 19 Nov 2024 12:54

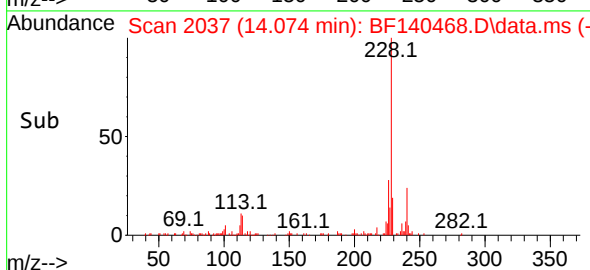
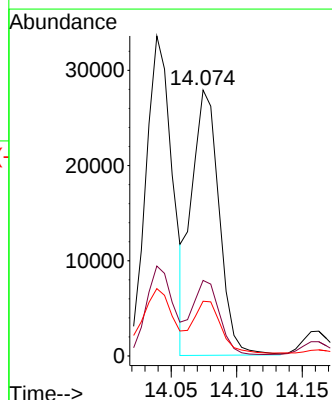
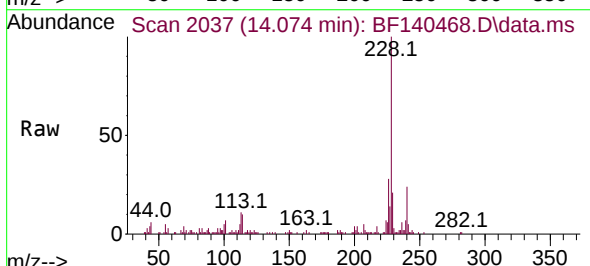
Tgt Ion:228 Resp: 40634

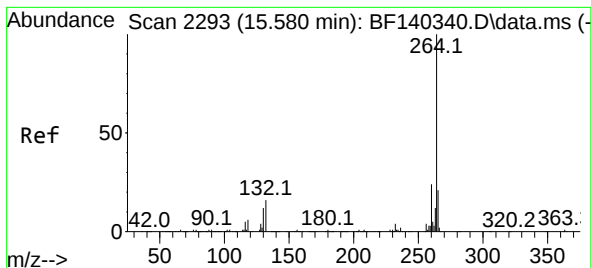
Ion Ratio Lower Upper

228 100

226 28.4 24.5 36.7

229 20.6 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.568 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF140468.D

Acq: 19 Nov 2024 12:54

Instrument :

BNA_F

ClientSampleId :

COMP-1

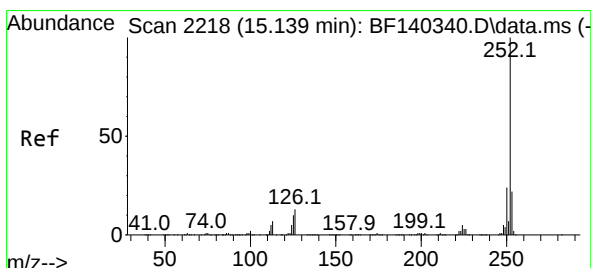
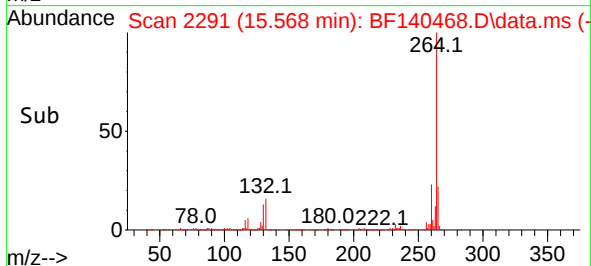
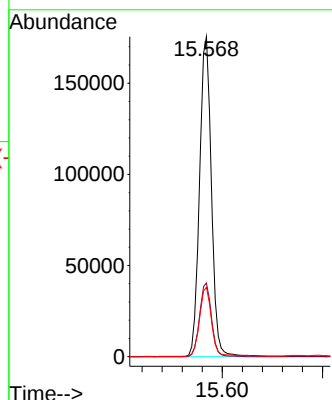
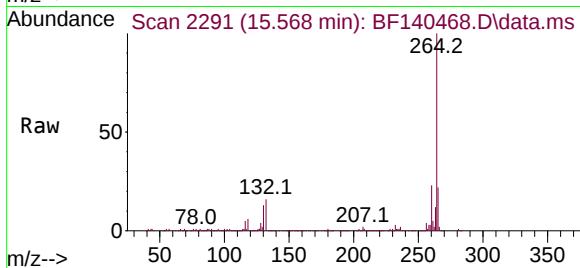
Tgt Ion:264 Resp: 288064

Ion Ratio Lower Upper

264 100

260 23.1 19.2 28.8

265 21.7 17.1 25.7



#88

Benzo(b)fluoranthene

Concen: 2.335 ng m

RT: 15.127 min Scan# 2216

Delta R.T. 0.012 min

Lab File: BF140468.D

Acq: 19 Nov 2024 12:54

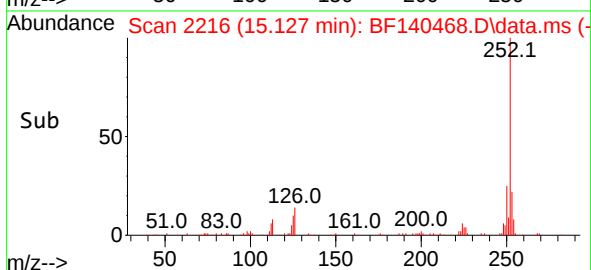
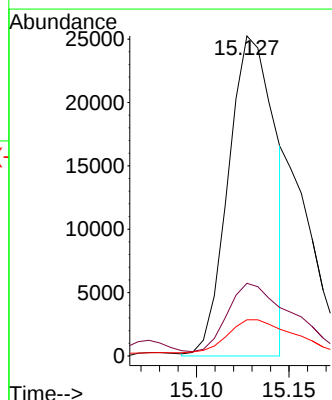
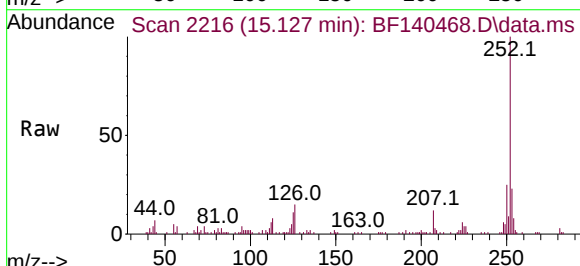
Tgt Ion:252 Resp: 44000

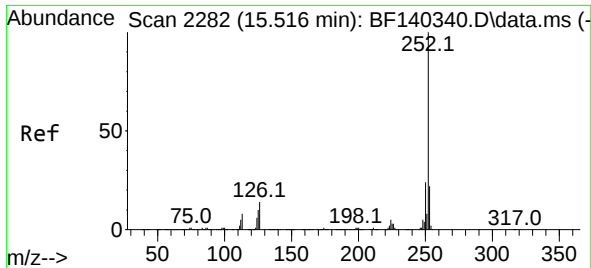
Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

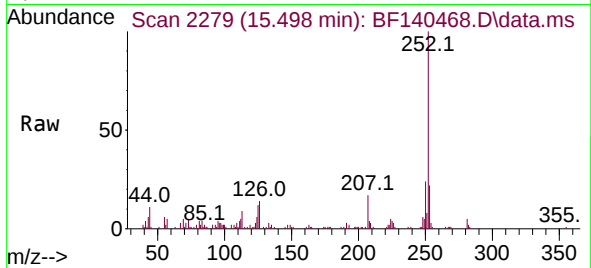
125 11.3 8.0 12.0





#90
 Benzo(a)pyrene
 Concen: 2.181 ng
 RT: 15.498 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF140468.D
 Acq: 19 Nov 2024 12:54

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1



Tgt Ion:252 Resp: 31910
 Ion Ratio Lower Upper
 252 100
 253 21.7 17.8 26.6
 125 12.3 8.4 12.6

