

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
 Data File : BF142616.D
 Acq On : 04 Jun 2025 19:47
 Operator : RC/JU
 Sample : Q2173-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-400-CF-402B-COMP-24

Quant Time: Jun 05 01:26:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

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

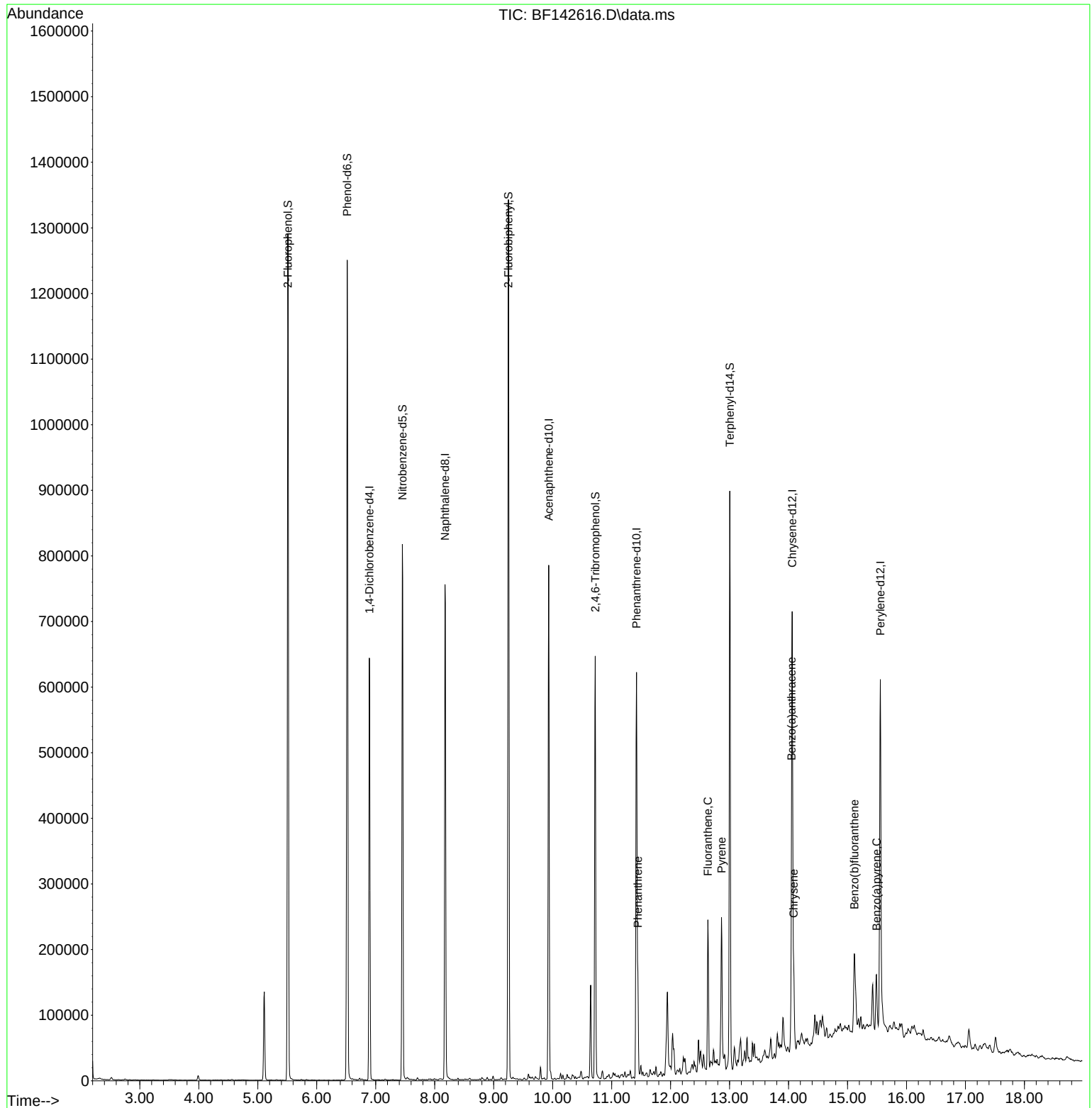
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	138824	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	502483	20.000	ng	-0.01
39) Acenaphthene-d10	9.933	164	233456	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	314509	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	290256	20.000	ng	-0.01
86) Perylene-d12	15.557	264	316591	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	495342	60.114	ng	0.00
7) Phenol-d6	6.516	99	579209	58.394	ng	-0.02
23) Nitrobenzene-d5	7.451	82	349375	37.914	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	111291	42.952	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	598499	34.401	ng	-0.02
79) Terphenyl-d14	13.004	244	413575	19.471	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	11.445	178	82441	4.905	ng	99
75) Fluoranthene	12.633	202	126936	8.082	ng	98
78) Pyrene	12.863	202	133864	4.944	ng	98
81) Benzo(a)anthracene	14.051	228	65406m	3.375	ng	
83) Chrysene	14.086	228	65673	3.771	ng	96
88) Benzo(b)fluoranthene	15.116	252	78031m	4.164	ng	
90) Benzo(a)pyrene	15.492	252	54246	3.071	ng	97

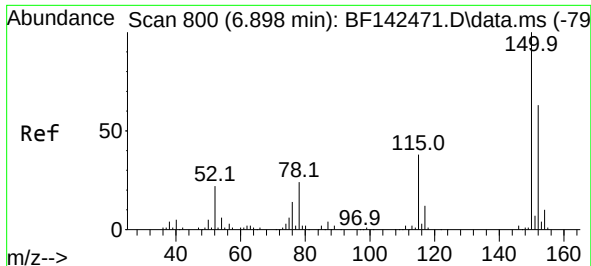
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060425\
Data File : BF142616.D
Acq On : 04 Jun 2025 19:47
Operator : RC/JU
Sample : Q2173-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-400-CF-402B-COMP-24

Quant Time: Jun 05 01:26:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

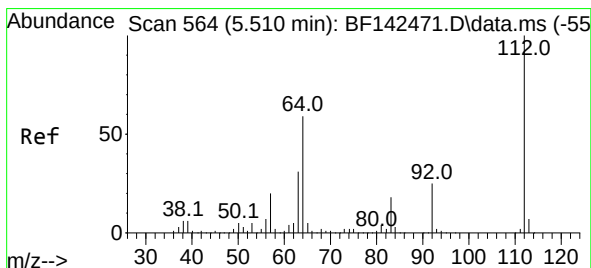
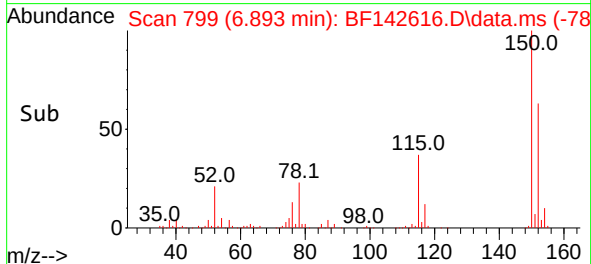
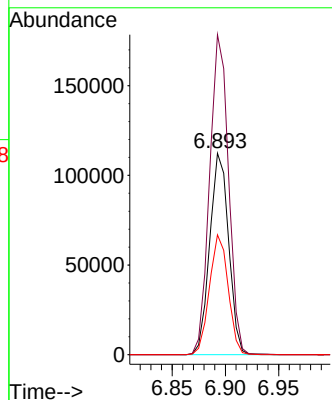
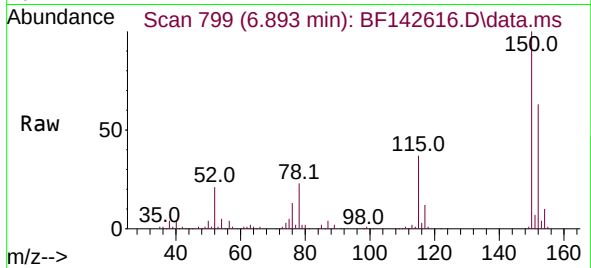




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF142616.D
Acq: 04 Jun 2025 19:47

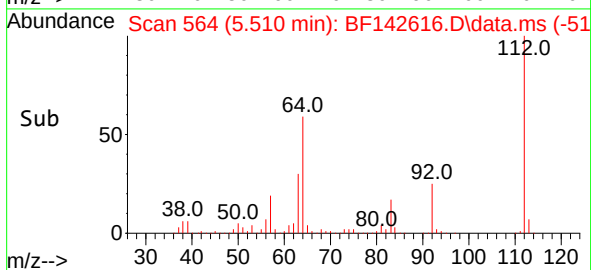
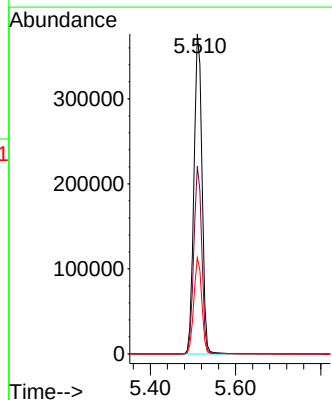
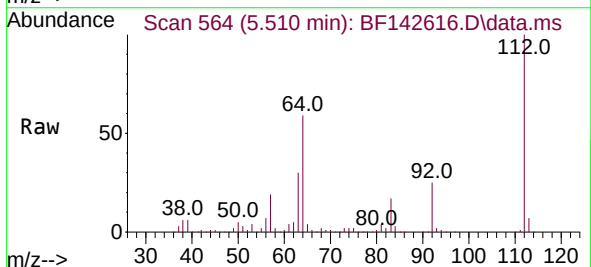
Instrument :
BNA_F
ClientSampleId :
OR-400-CF-402B-COMP-24

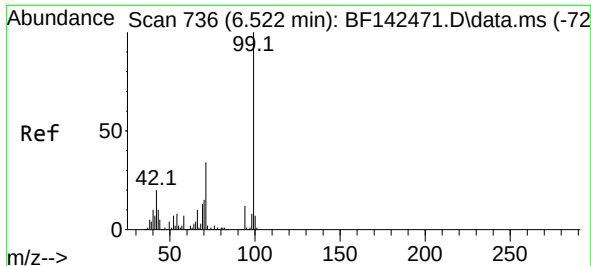
Tgt Ion:152 Resp: 138824
Ion Ratio Lower Upper
152 100
150 158.9 128.2 192.4
115 59.5 48.3 72.5



#5
2-Fluorophenol
Concen: 60.114 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142616.D
Acq: 04 Jun 2025 19:47

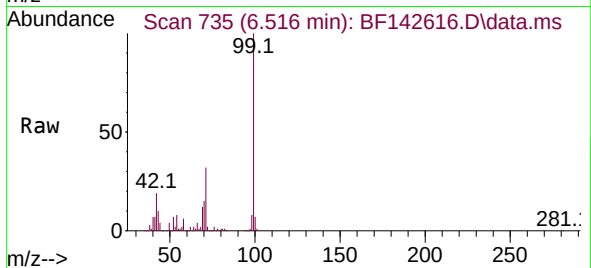
Tgt Ion:112 Resp: 495342
Ion Ratio Lower Upper
112 100
64 58.7 47.5 71.3
63 30.0 24.9 37.3



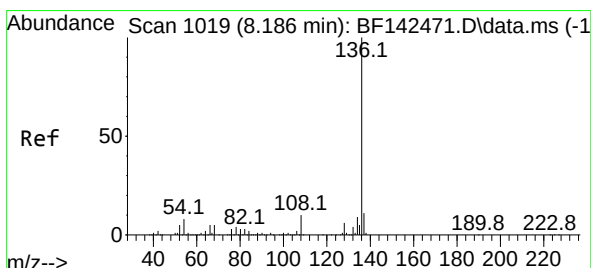
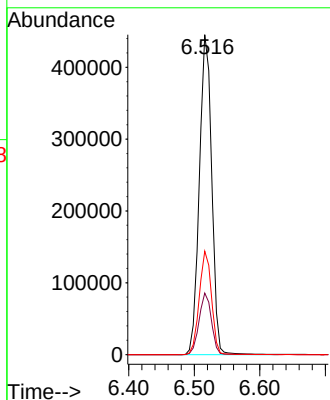
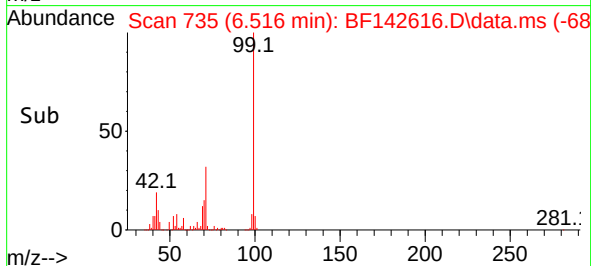


#7
Phenol-d6
Concen: 58.394 ng
RT: 6.516 min Scan# 735
Delta R.T. -0.017 min
Lab File: BF142616.D
Acq: 04 Jun 2025 19:47

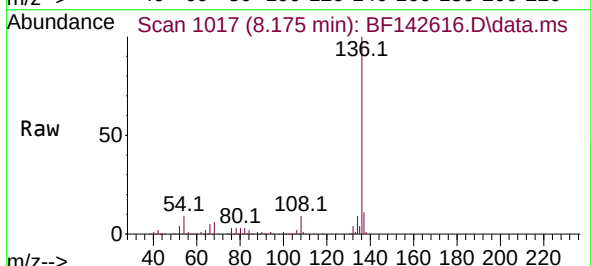
Instrument :
BNA_F
ClientSampleId :
OR-400-CF-402B-COMP-24



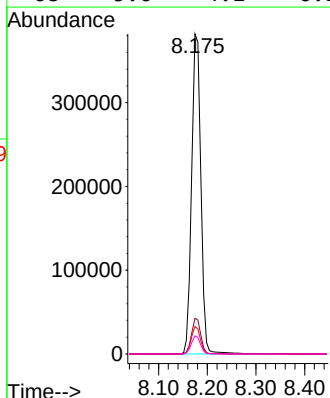
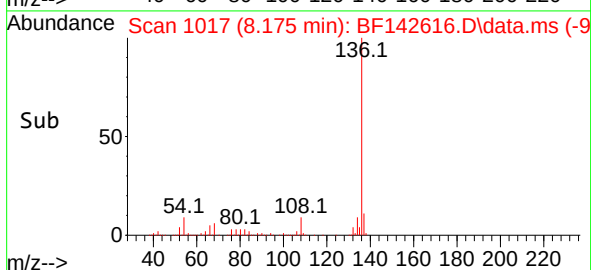
Tgt Ion:	99	Resp:	579209
Ion	Ratio	Lower	Upper
99	100		
42	19.2	16.2	24.2
71	32.3	27.3	40.9

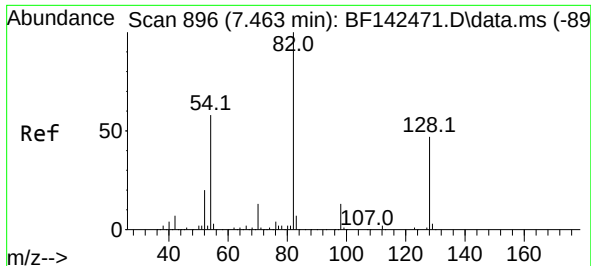


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF142616.D
Acq: 04 Jun 2025 19:47



Tgt Ion:	136	Resp:	502483
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	8.6	6.6	10.0
68	5.6	4.1	6.1





#23

Nitrobenzene-d5

Concen: 37.914 ng

RT: 7.451 min Scan# 89

Delta R.T. -0.023 min

Lab File: BF142616.D

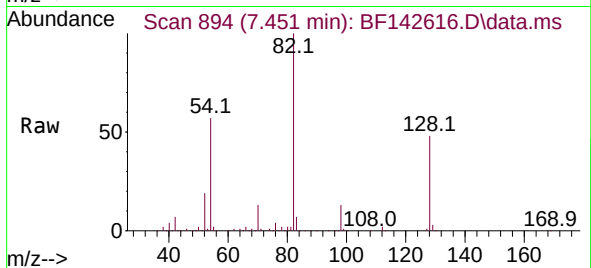
Acq: 04 Jun 2025 19:47

Instrument :

BNA_F

ClientSampleId :

OR-400-CF-402B-COMP-24



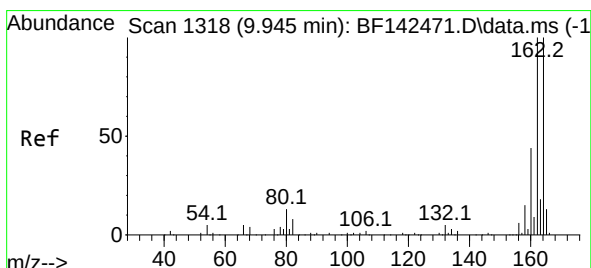
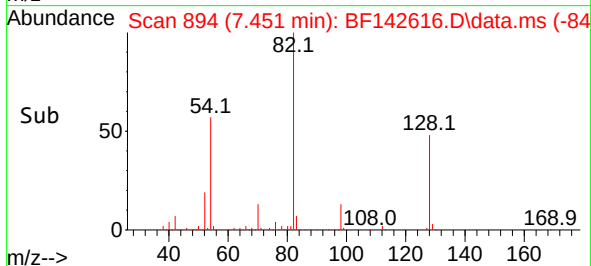
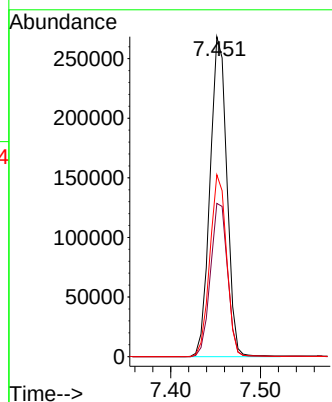
Tgt Ion: 82 Resp: 349375

Ion Ratio Lower Upper

82 100

128 47.9 37.4 56.2

54 56.8 46.6 70.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF142616.D

Acq: 04 Jun 2025 19:47

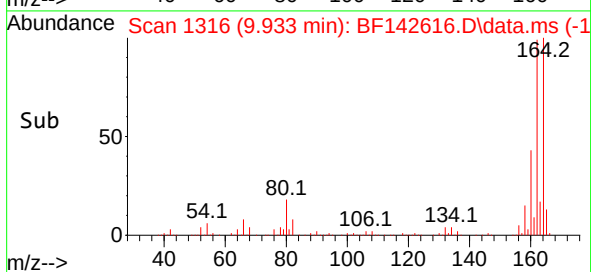
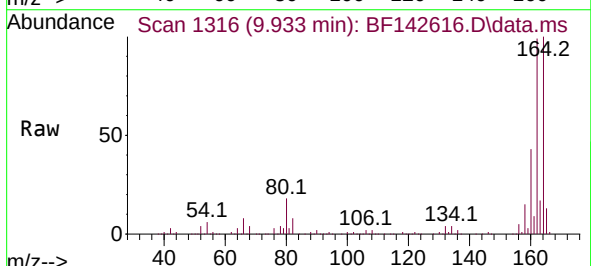
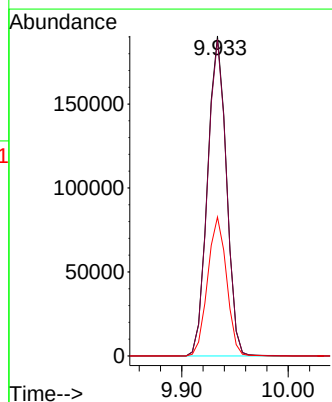
Tgt Ion: 164 Resp: 233456

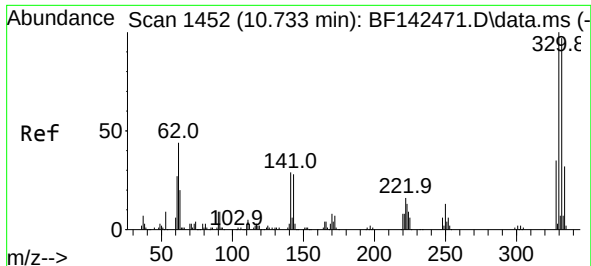
Ion Ratio Lower Upper

164 100

162 98.8 80.2 120.4

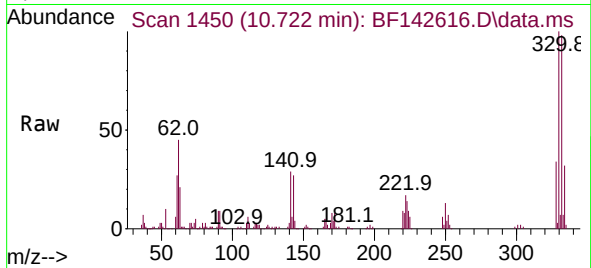
160 43.4 35.6 53.4



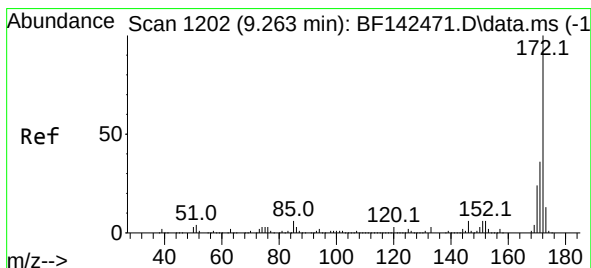
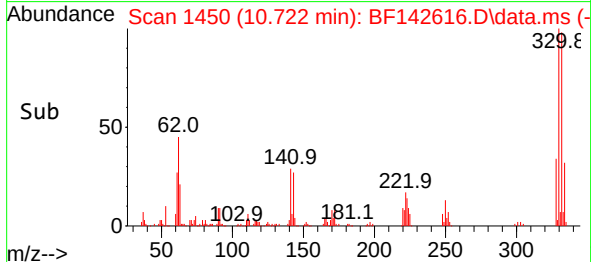
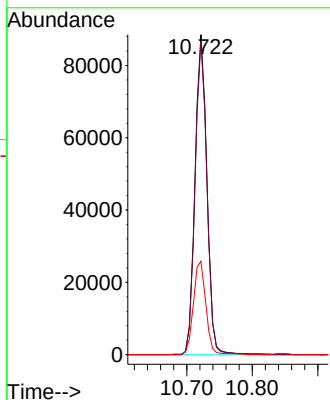


#42
 2,4,6-Tribromophenol
 Concen: 42.952 ng
 RT: 10.722 min Scan# 1450
 Delta R.T. -0.017 min
 Lab File: BF142616.D
 Acq: 04 Jun 2025 19:47

Instrument :
 BNA_F
 ClientSampleId :
 OR-400-CF-402B-COMP-24

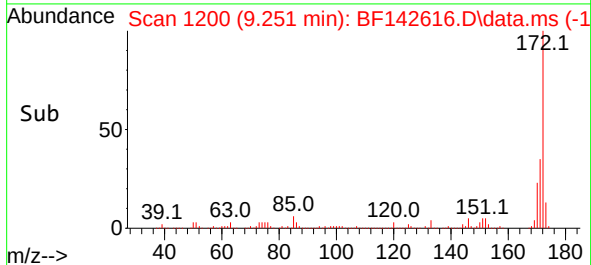
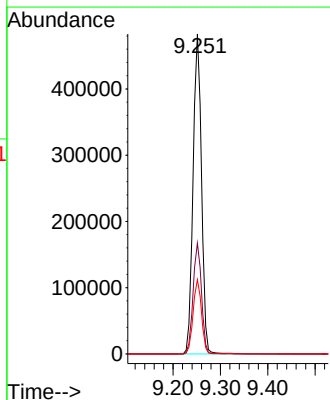
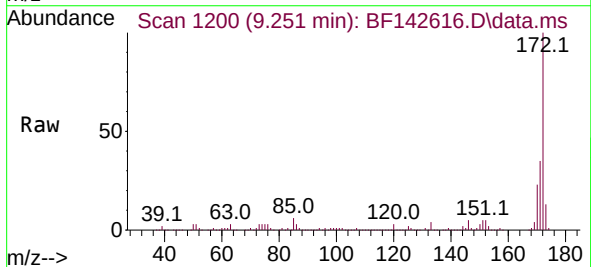


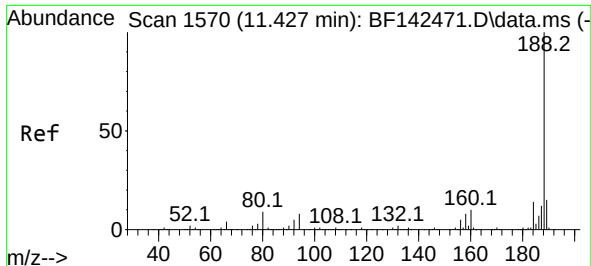
Tgt Ion: 330 Resp: 111291
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.6 116.4
 141 30.7 24.6 36.8



#45
 2-Fluorobiphenyl
 Concen: 34.401 ng
 RT: 9.251 min Scan# 1200
 Delta R.T. -0.017 min
 Lab File: BF142616.D
 Acq: 04 Jun 2025 19:47

Tgt Ion: 172 Resp: 598499
 Ion Ratio Lower Upper
 172 100
 171 34.6 28.6 42.8
 170 23.2 18.9 28.3

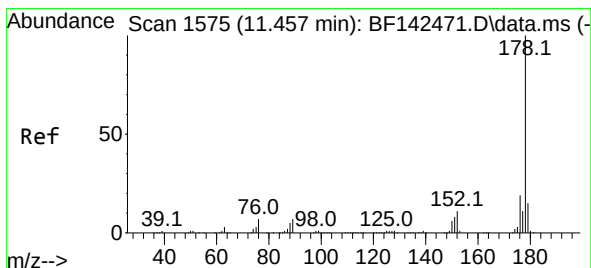
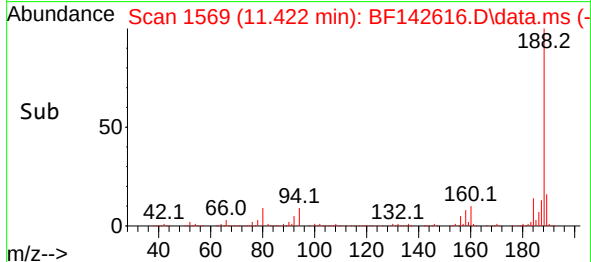
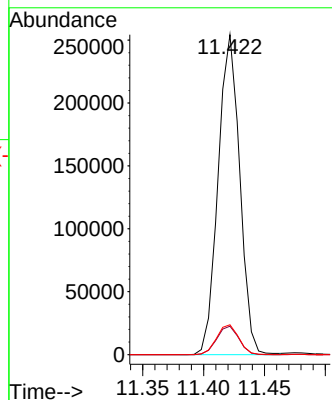
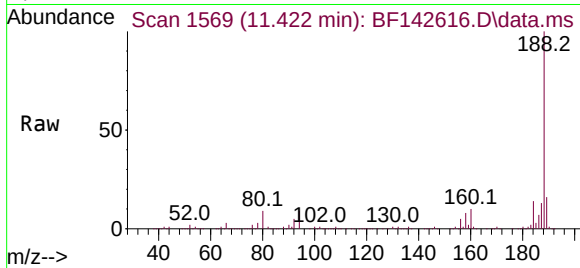




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142616.D
Acq: 04 Jun 2025 19:47

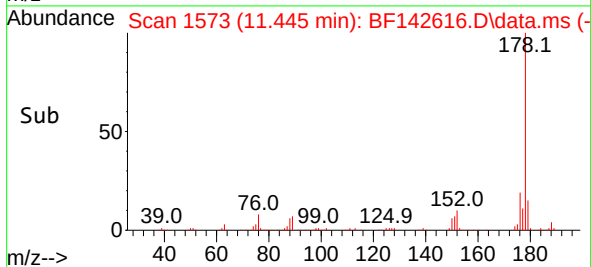
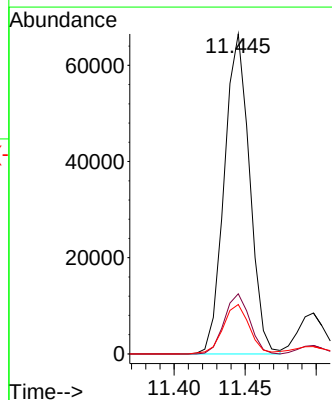
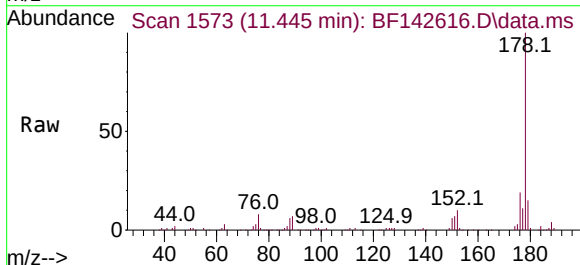
Instrument :
BNA_F
ClientSampleId :
OR-400-CF-402B-COMP-24

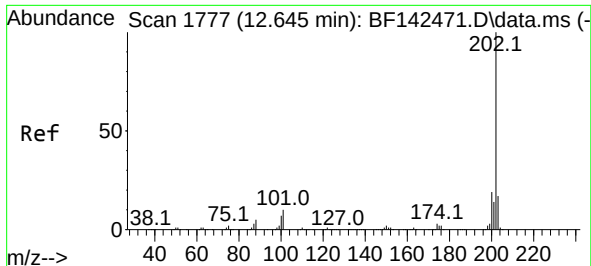
Tgt Ion:188 Resp: 314509
Ion Ratio Lower Upper
188 100
94 8.9 6.6 10.0
80 9.3 7.4 11.0



#71
Phenanthrene
Concen: 4.905 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF142616.D
Acq: 04 Jun 2025 19:47

Tgt Ion:178 Resp: 82441
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 15.4 12.3 18.5

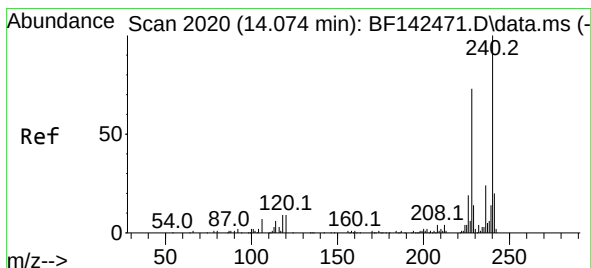
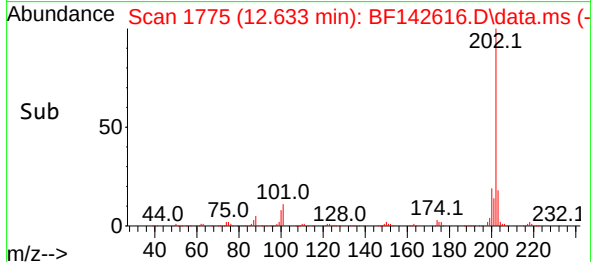
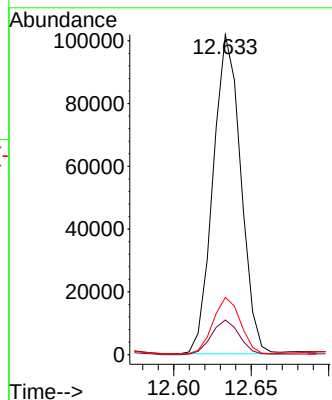
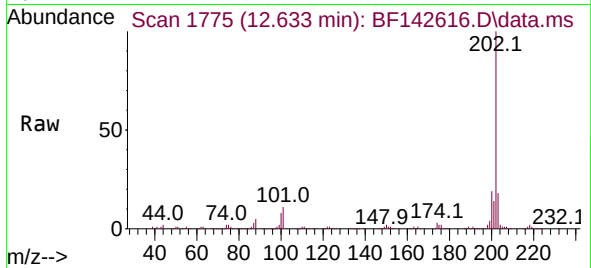




#75
Fluoranthene
Concen: 8.082 ng
RT: 12.633 min Scan# 1775
Delta R.T. -0.012 min
Lab File: BF142616.D
Acq: 04 Jun 2025 19:47

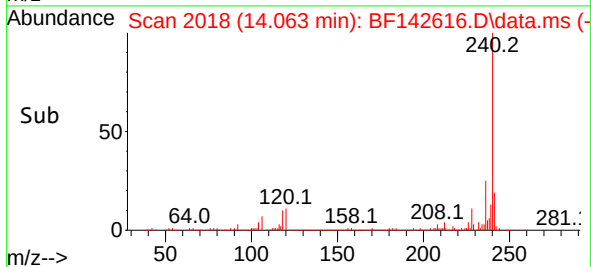
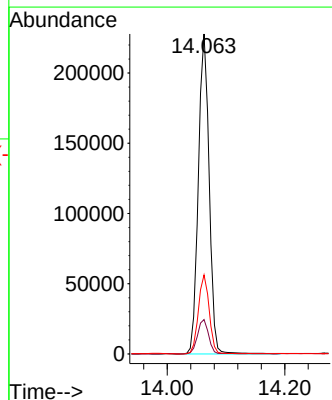
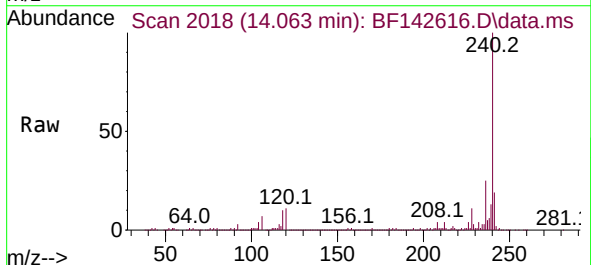
Instrument :
BNA_F
ClientSampleId :
OR-400-CF-402B-COMP-24

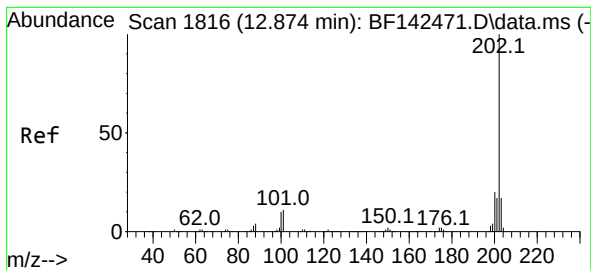
Tgt Ion:202 Resp: 126936
Ion Ratio Lower Upper
202 100
101 10.8 0.0 29.6
203 17.9 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142616.D
Acq: 04 Jun 2025 19:47

Tgt Ion:240 Resp: 290256
Ion Ratio Lower Upper
240 100
120 10.7 7.5 11.3
236 24.7 19.6 29.4





#78

Pyrene

Concen: 4.944 ng

RT: 12.863 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF142616.D

Acq: 04 Jun 2025 19:47

Instrument :

BNA_F

ClientSampleId :

OR-400-CF-402B-COMP-24

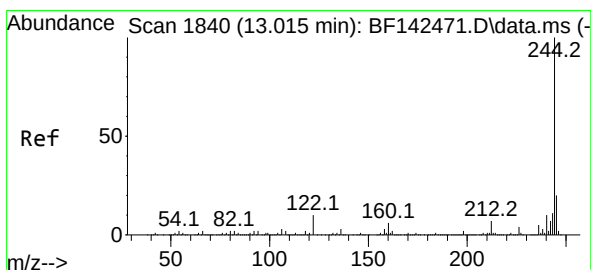
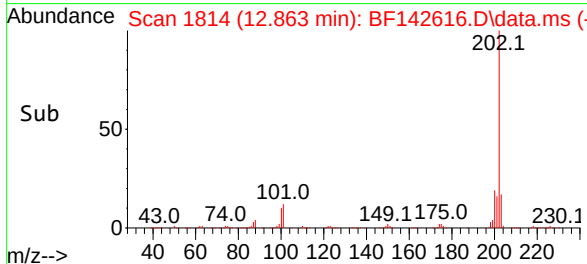
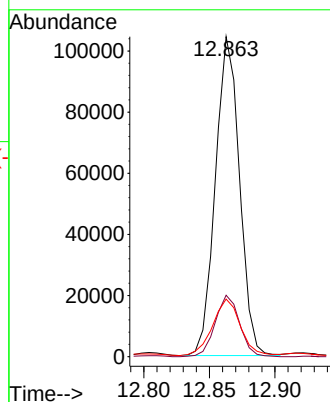
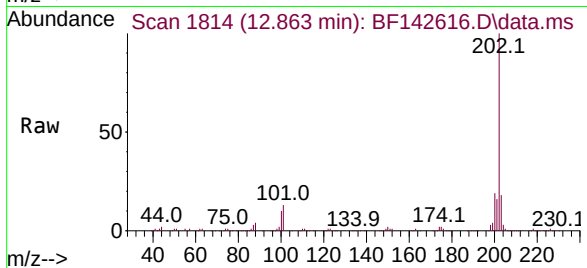
Tgt Ion:202 Resp: 133864

Ion Ratio Lower Upper

202 100

200 19.2 16.1 24.1

203 18.0 13.9 20.9



#79

Terphenyl-d14

Concen: 19.471 ng

RT: 13.004 min Scan# 1838

Delta R.T. -0.012 min

Lab File: BF142616.D

Acq: 04 Jun 2025 19:47

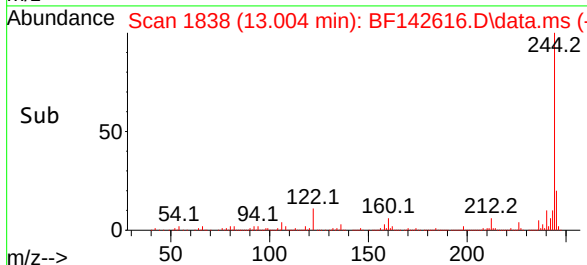
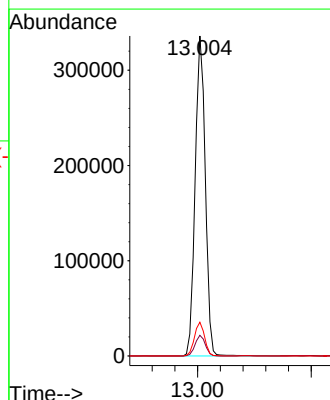
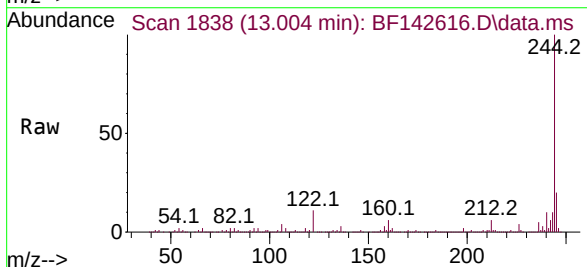
Tgt Ion:244 Resp: 413575

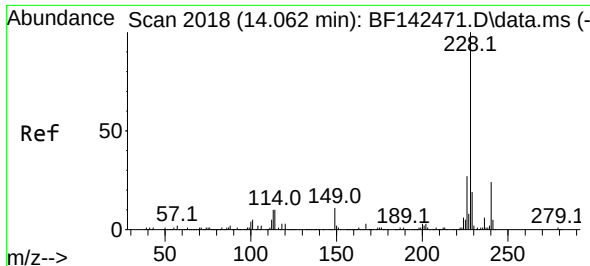
Ion Ratio Lower Upper

244 100

212 6.4 5.3 7.9

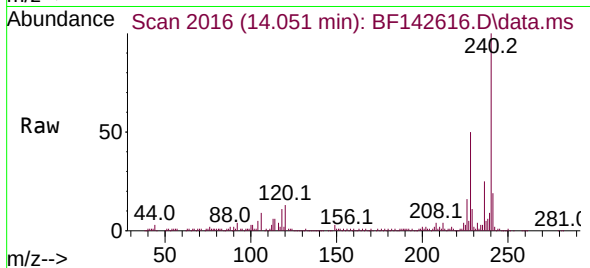
122 10.5 8.2 12.2



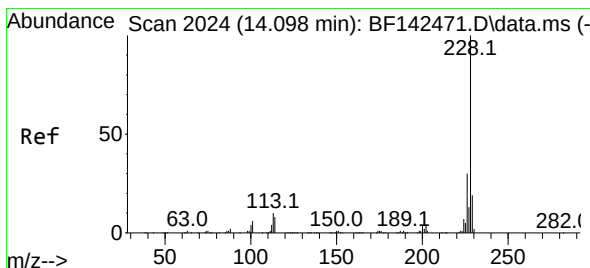
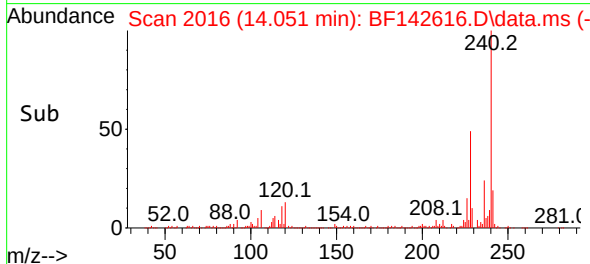
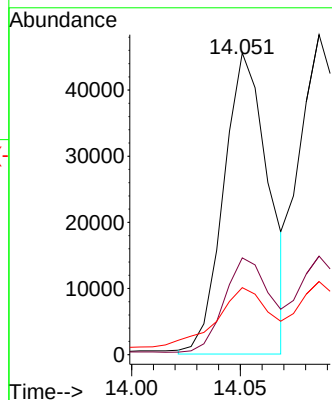


#81
Benzo(a)anthracene
Concen: 3.375 ng m
RT: 14.051 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF142616.D
Acq: 04 Jun 2025 19:47

Instrument :
BNA_F
ClientSampleId :
OR-400-CF-402B-COMP-24

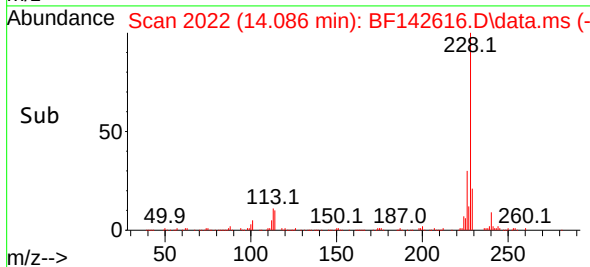
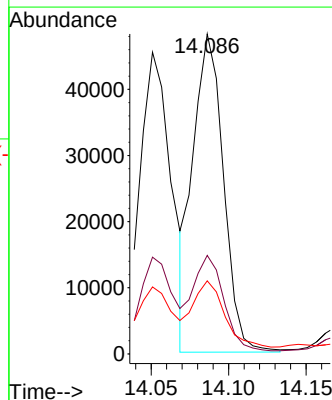
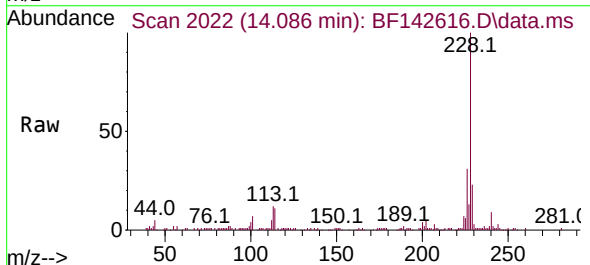


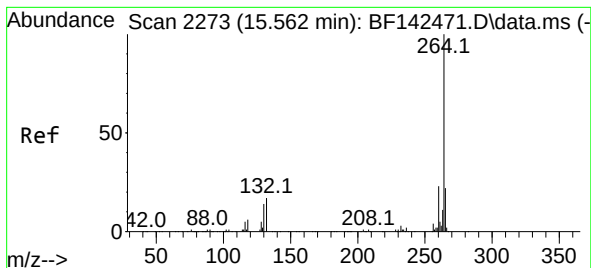
Tgt Ion:228 Resp: 65406
Ion Ratio Lower Upper
228 100
226 32.1 21.2 31.8#
229 22.2 15.5 23.3



#83
Chrysene
Concen: 3.771 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.017 min
Lab File: BF142616.D
Acq: 04 Jun 2025 19:47

Tgt Ion:228 Resp: 65673
Ion Ratio Lower Upper
228 100
226 30.8 23.8 35.6
229 22.8 15.4 23.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF142616.D

Acq: 04 Jun 2025 19:47

Instrument :

BNA_F

ClientSampleId :

OR-400-CF-402B-COMP-24

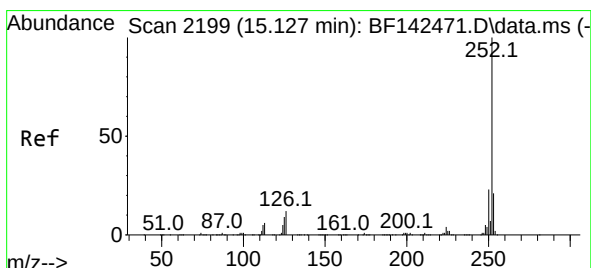
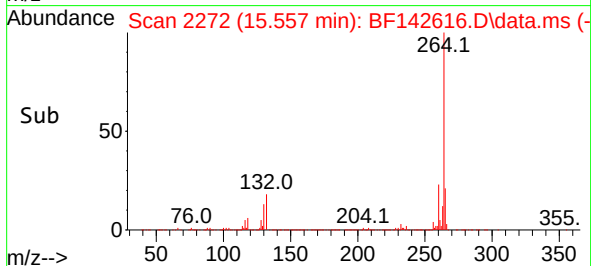
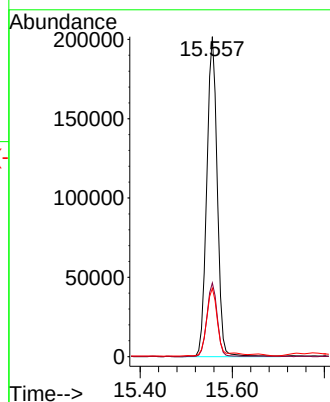
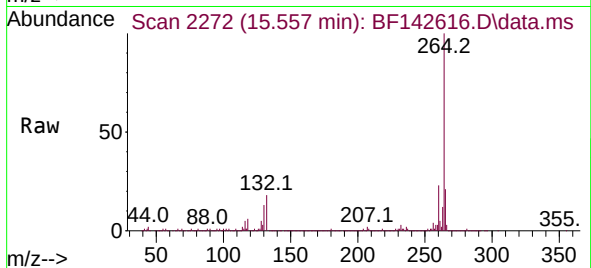
Tgt Ion:264 Resp: 316591

Ion Ratio Lower Upper

264 100

260 23.0 18.6 28.0

265 21.3 17.7 26.5



#88

Benzo(b)fluoranthene

Concen: 4.164 ng m

RT: 15.116 min Scan# 2197

Delta R.T. -0.012 min

Lab File: BF142616.D

Acq: 04 Jun 2025 19:47

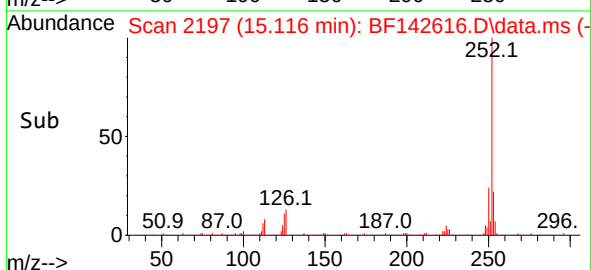
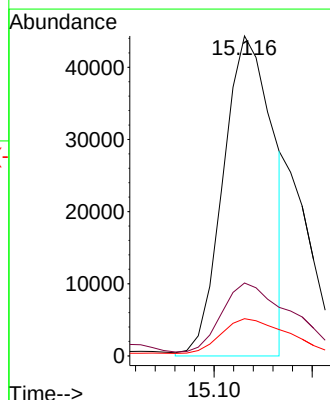
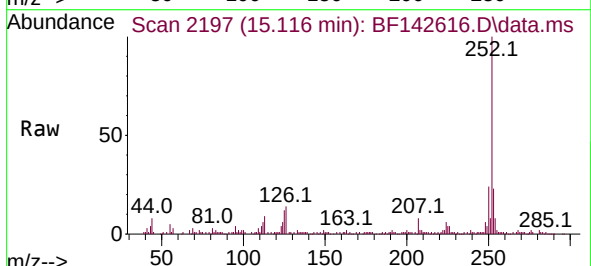
Tgt Ion:252 Resp: 78031

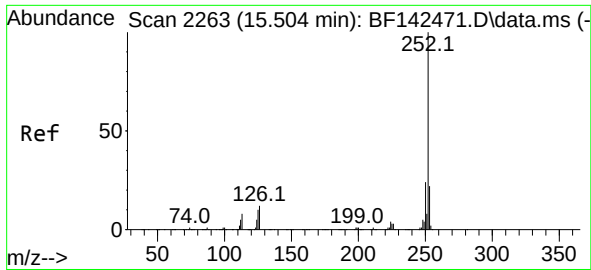
Ion Ratio Lower Upper

252 100

253 22.8 17.0 25.4

125 11.6 7.4 11.0#





#90
Benzo(a)pyrene
Concen: 3.071 ng
RT: 15.492 min Scan# 21
Delta R.T. -0.017 min
Lab File: BF142616.D
Acq: 04 Jun 2025 19:47

Instrument :
BNA_F
ClientSampleId :
OR-400-CF-402B-COMP-24

Tgt Ion:252 Resp: 54246
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.0
125 11.8 7.9 11.9

