

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051925\
 Data File : BF142458.D
 Acq On : 19 May 2025 18:27
 Operator : RC/JU
 Sample : Q2062-13
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 L1-WC-4

Quant Time: May 20 02:22:01 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

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

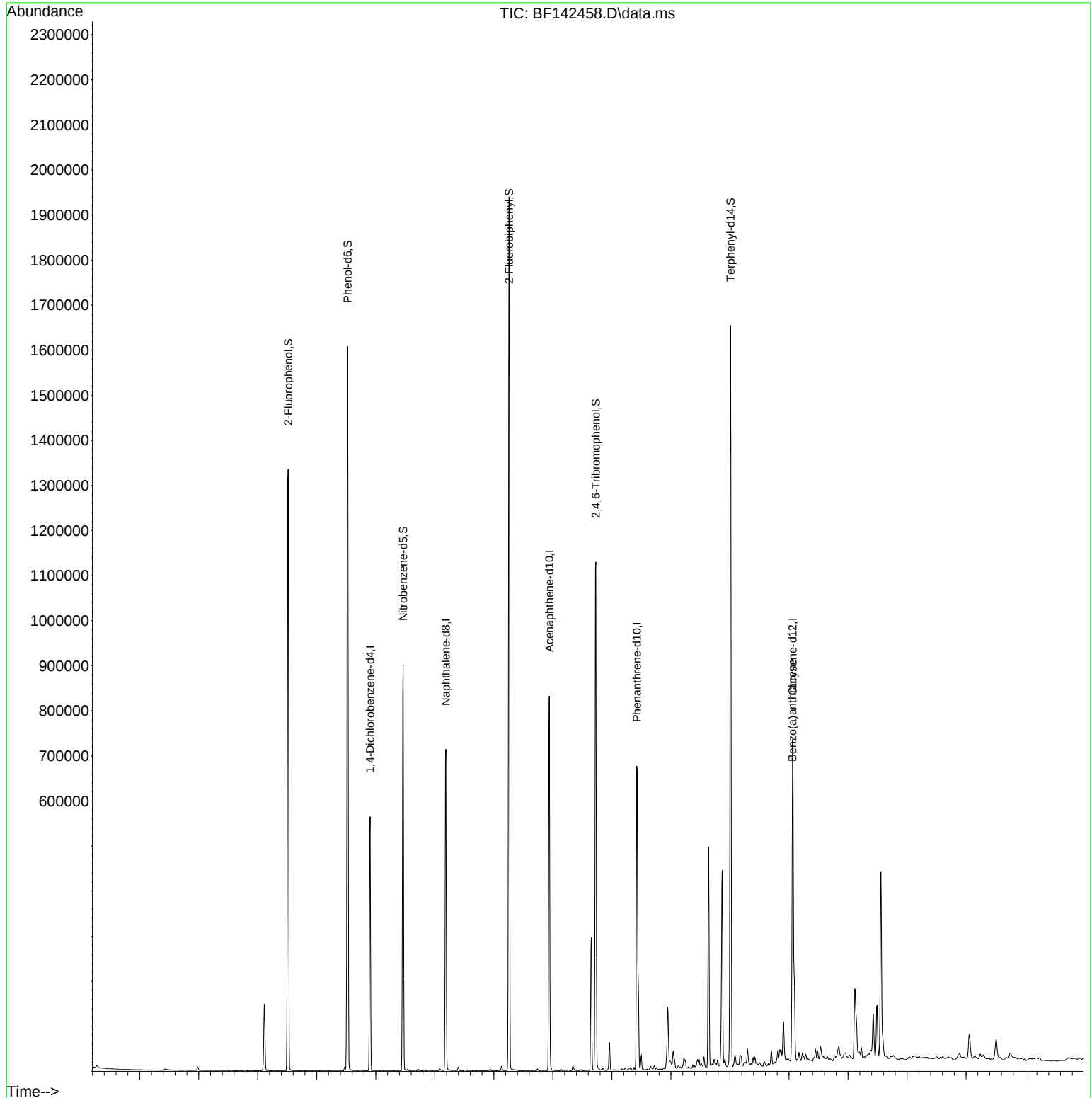
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	122783	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	457951	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	250300	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	365800	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	283665	20.000	ng	0.00
86) Perylene-d12	15.557	264	236530	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	526980	73.267	ng	0.00
7) Phenol-d6	6.522	99	745427	84.264	ng	0.00
23) Nitrobenzene-d5	7.463	82	374350	49.854	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	210296	87.021	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	852587	48.569	ng	0.00
79) Terphenyl-d14	13.010	244	784898	40.954	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.445	178	98935	5.160	ng	98
75) Fluoranthene	12.639	202	283198	14.775	ng	97
78) Pyrene	12.869	202	256984	10.178	ng	99
81) Benzo(a)anthracene	14.057	228	114446	6.230	ng	99
83) Chrysene	14.092	228	87018	5.088	ng	99
84) Bis(2-ethylhexyl)phtha...	14.045	149	2912	4.514	ng	# 96
87) Indeno(1,2,3-cd)pyrene	17.056	276	41515	2.523	ng	94
88) Benzo(b)fluoranthene	15.115	252	101680m	7.098	ng	
89) Benzo(k)fluoranthene	15.133	252	37068m	2.828	ng	
90) Benzo(a)pyrene	15.492	252	73169	5.700	ng	99
92) Benzo(g,h,i)perylene	17.509	276	41015	3.040	ng	96

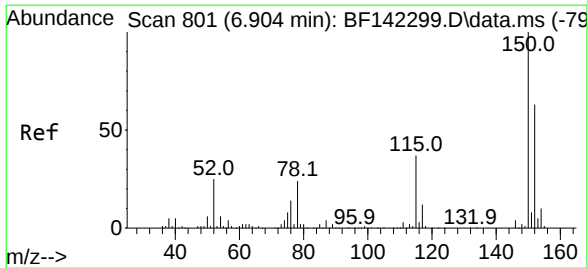
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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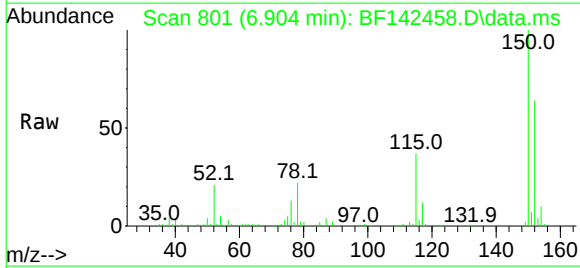
Quant Time: May 20 02:22:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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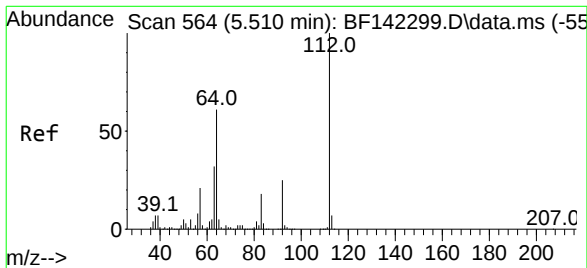
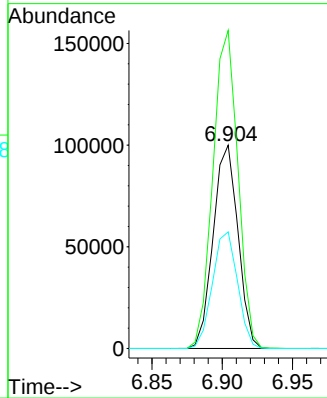
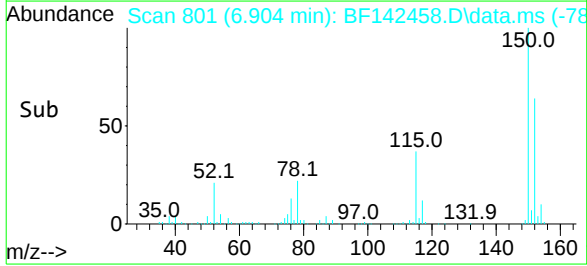


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142458.D
Acq: 19 May 2025 18:27

Instrument :
BNA_F
ClientSampleId :
L1-WC-4

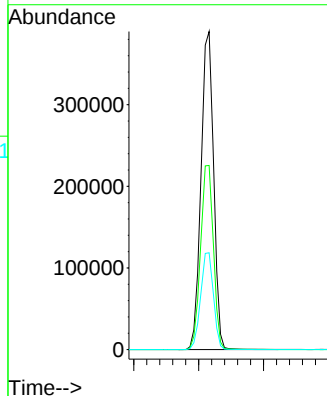
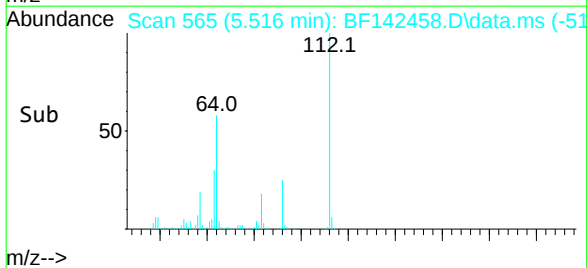
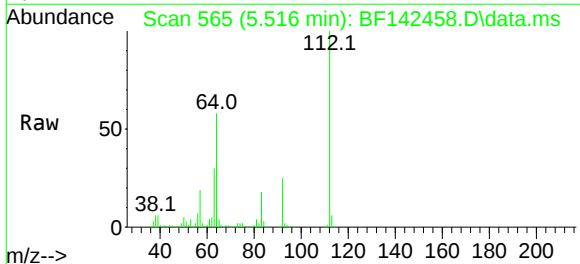


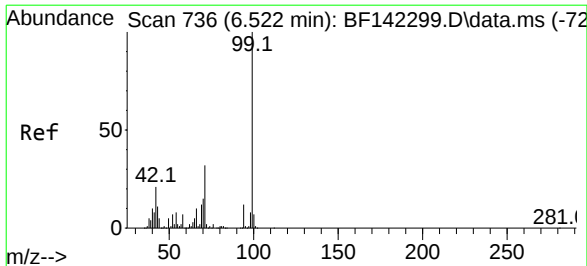
Tgt Ion:152 Resp: 122783
Ion Ratio Lower Upper
152 100
150 156.4 126.6 190.0
115 57.4 47.3 70.9



#5
2-Fluorophenol
Concen: 73.267 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF142458.D
Acq: 19 May 2025 18:27

Tgt Ion:112 Resp: 526980
Ion Ratio Lower Upper
112 100
64 57.9 48.9 73.3
63 30.4 25.6 38.4

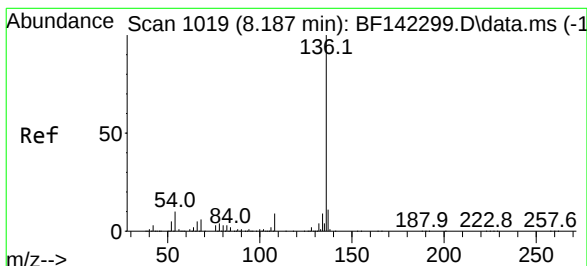
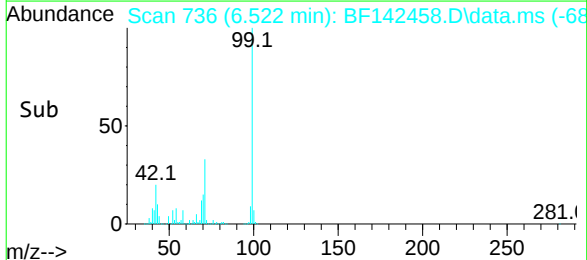
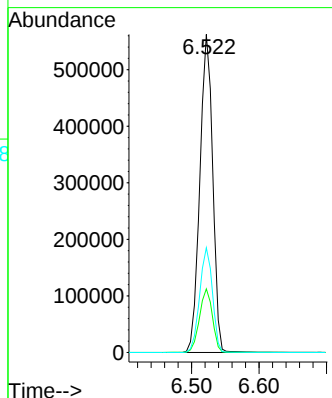
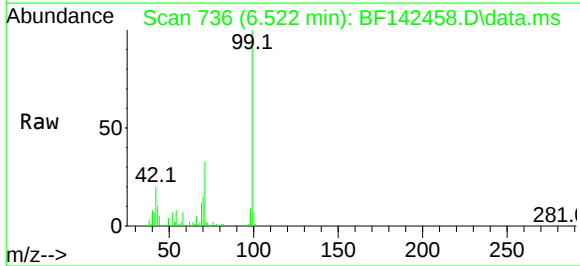




#7
Phenol-d6
Concen: 84.264 ng
RT: 6.522 min Scan# 736
Delta R.T. -0.000 min
Lab File: BF142458.D
Acq: 19 May 2025 18:27

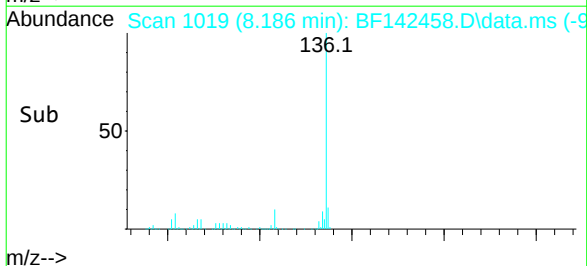
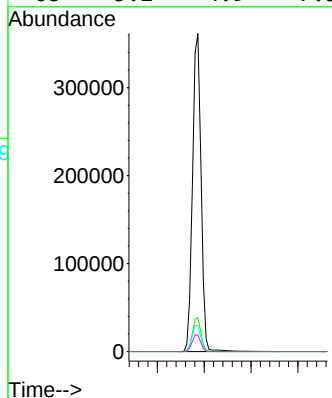
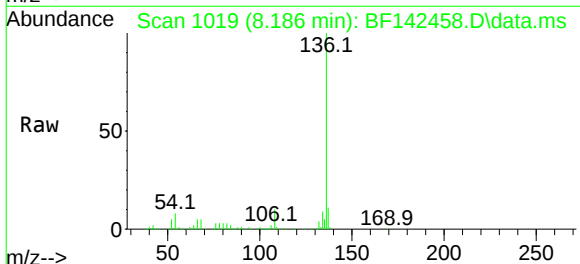
Instrument :
BNA_F
ClientSampleId :
L1-WC-4

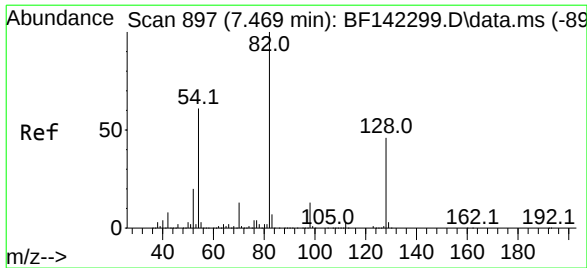
Tgt Ion: 99 Resp: 745427
Ion Ratio Lower Upper
99 100
42 20.0 17.0 25.4
71 32.9 25.8 38.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF142458.D
Acq: 19 May 2025 18:27

Tgt Ion: 136 Resp: 457951
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 8.1 7.7 11.5
68 5.2 4.9 7.3





#23

Nitrobenzene-d5

Concen: 49.854 ng

RT: 7.463 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF142458.D

Acq: 19 May 2025 18:27

Instrument :

BNA_F

ClientSampleId :

L1-WC-4

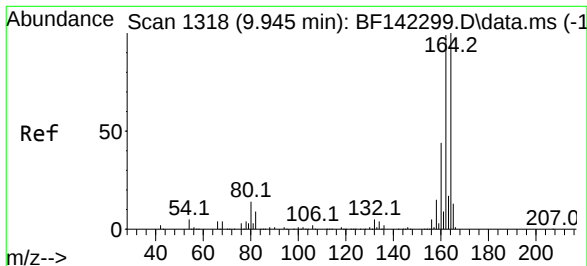
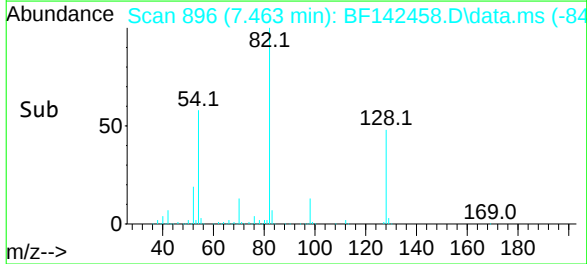
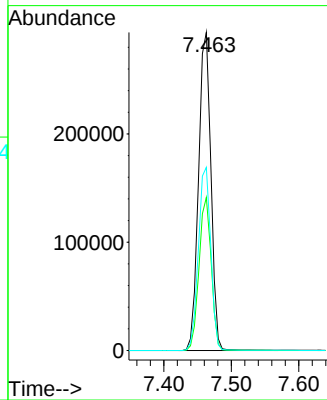
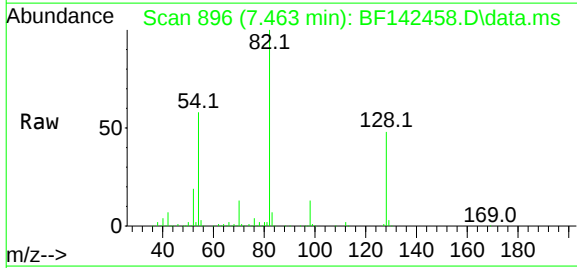
Tgt Ion: 82 Resp: 374350

Ion Ratio Lower Upper

82 100

128 48.1 37.0 55.6

54 57.6 48.6 73.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.939 min Scan# 1317

Delta R.T. -0.006 min

Lab File: BF142458.D

Acq: 19 May 2025 18:27

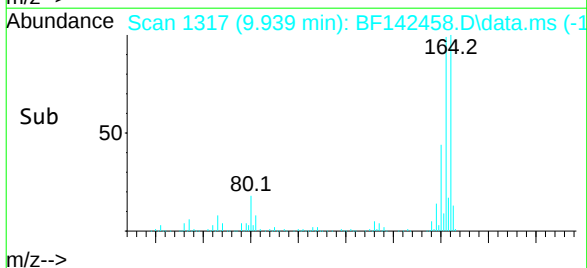
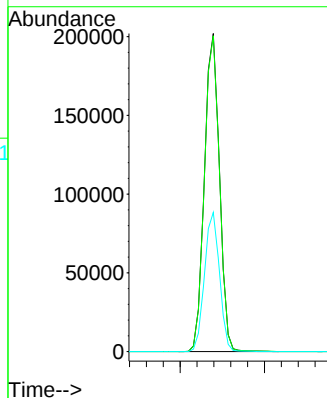
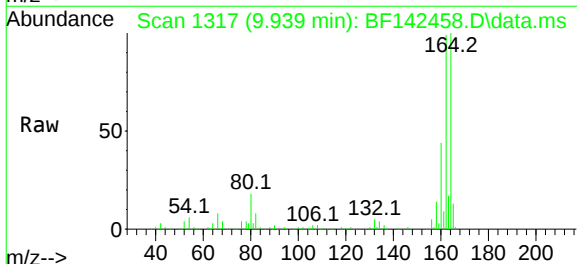
Tgt Ion: 164 Resp: 250300

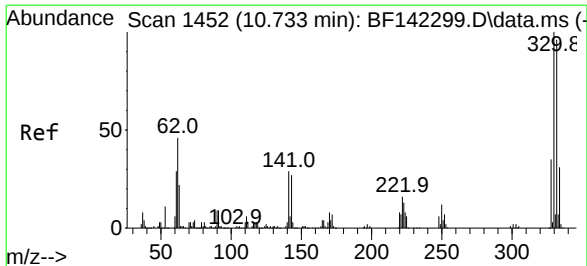
Ion Ratio Lower Upper

164 100

162 99.3 79.2 118.8

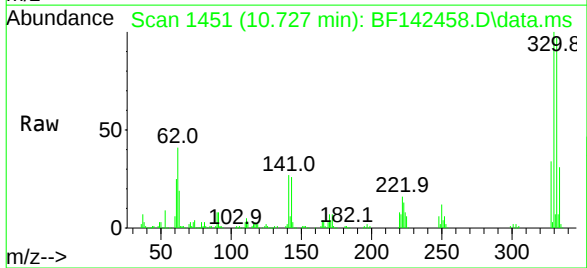
160 43.8 35.3 52.9



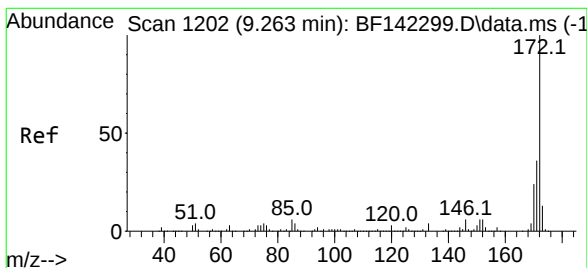
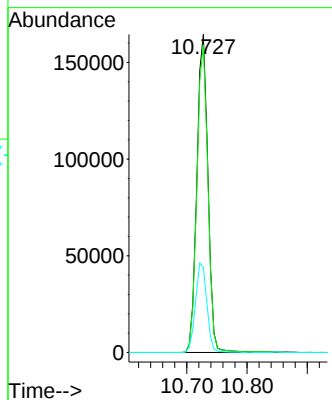
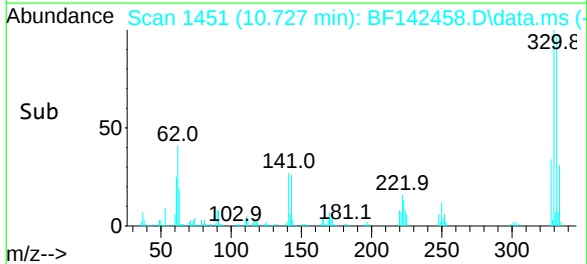


#42
2,4,6-Tribromophenol
Concen: 87.021 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142458.D
Acq: 19 May 2025 18:27

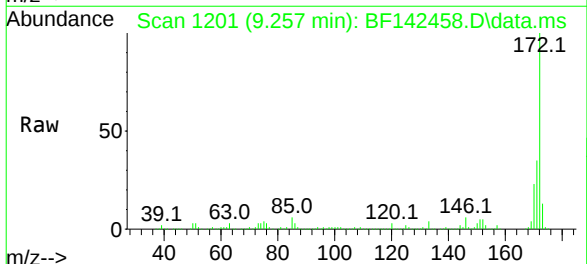
Instrument :
BNA_F
ClientSampleId :
L1-WC-4



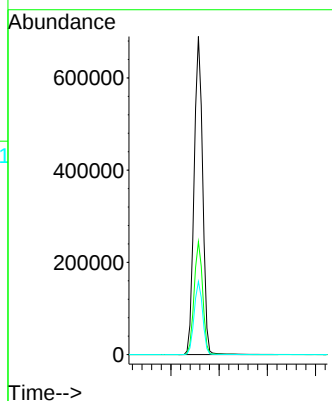
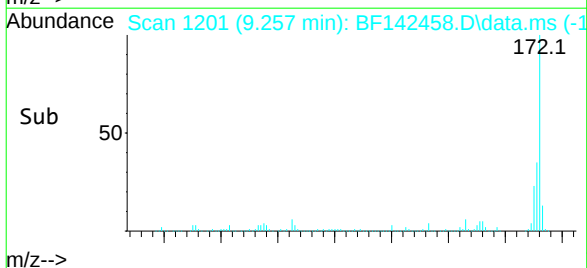
Tgt Ion: 330 Resp: 210296
Ion Ratio Lower Upper
330 100
332 96.5 76.8 115.2
141 28.9 24.9 37.3

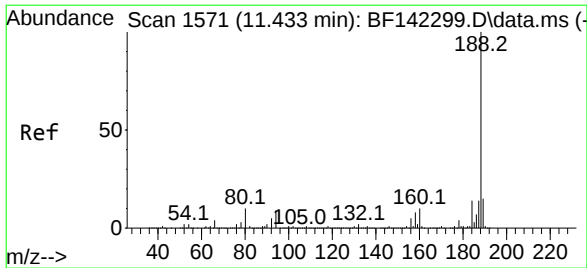


#45
2-Fluorobiphenyl
Concen: 48.569 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142458.D
Acq: 19 May 2025 18:27



Tgt Ion: 172 Resp: 852587
Ion Ratio Lower Upper
172 100
171 35.5 28.6 42.8
170 23.0 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.422 min Scan# 1569

Delta R.T. -0.012 min

Lab File: BF142458.D

Acq: 19 May 2025 18:27

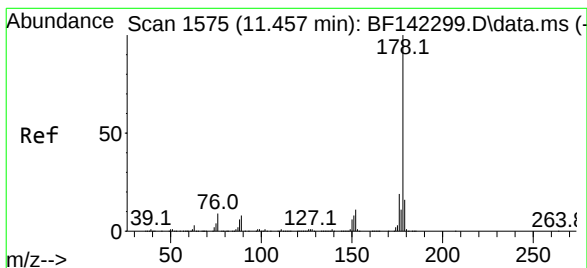
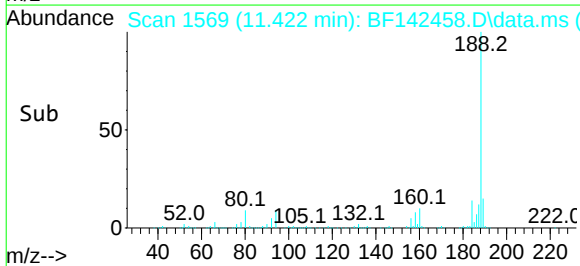
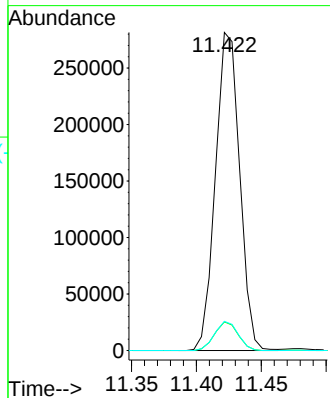
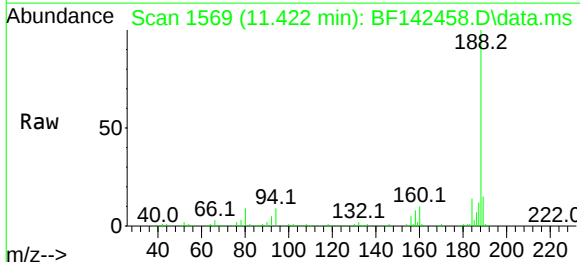
Instrument :

BNA_F

ClientSampleId :

L1-WC-4

Tgt Ion:	188	Resp:	365800
Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.5	11.3
80	9.2	7.9	11.9



#71

Phenanthrene

Concen: 5.160 ng

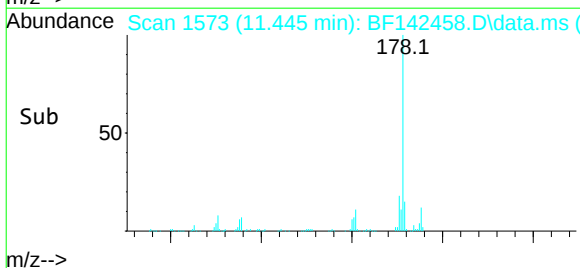
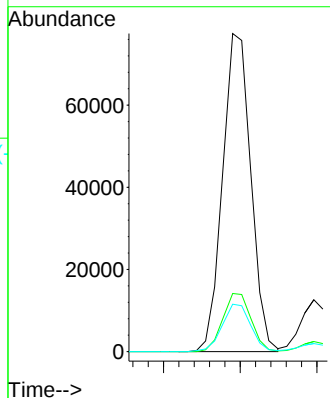
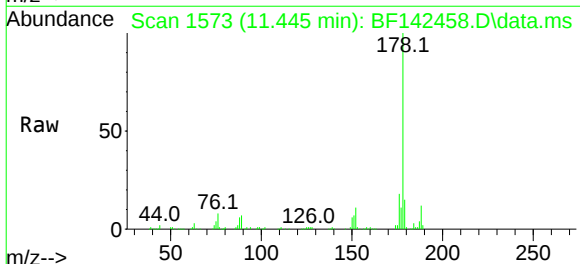
RT: 11.445 min Scan# 1573

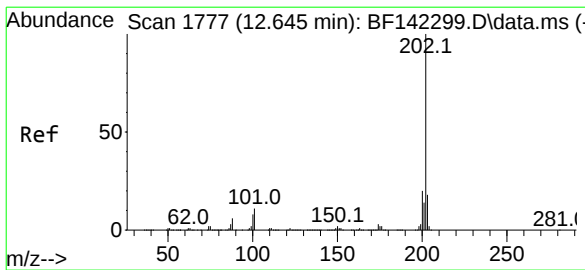
Delta R.T. -0.012 min

Lab File: BF142458.D

Acq: 19 May 2025 18:27

Tgt Ion:	178	Resp:	98935
Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.5	23.3
179	14.9	12.6	18.8





#75

Fluoranthene

Concen: 14.775 ng

RT: 12.639 min Scan# 17

Delta R.T. -0.006 min

Lab File: BF142458.D

Acq: 19 May 2025 18:27

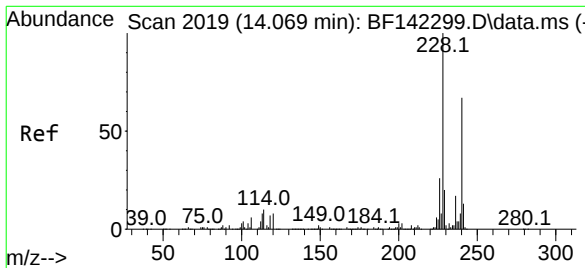
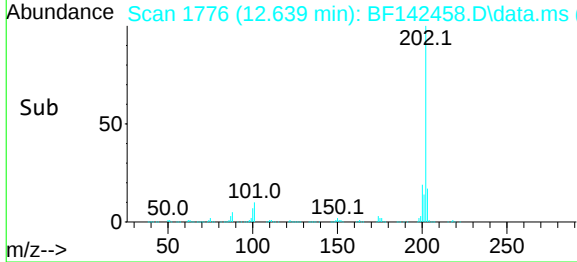
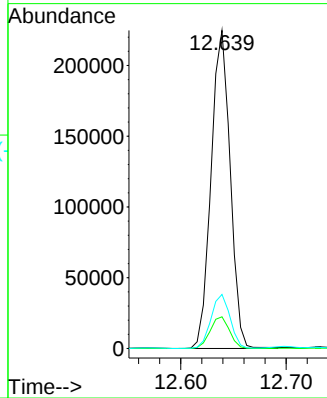
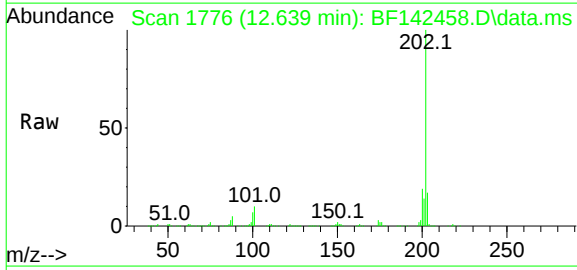
Instrument :

BNA_F

ClientSampleId :

L1-WC-4

Tgt Ion:	202	Resp:	283198
Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	31.4
203	17.0	0.0	37.9



#76

Chrysene-d12

Concen: 20.000 ng

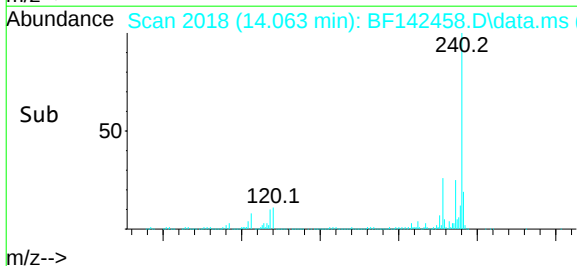
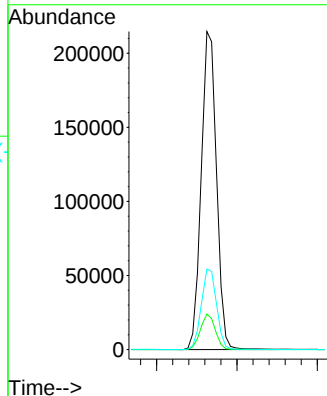
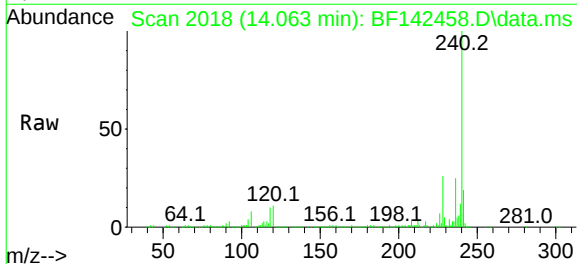
RT: 14.063 min Scan# 2018

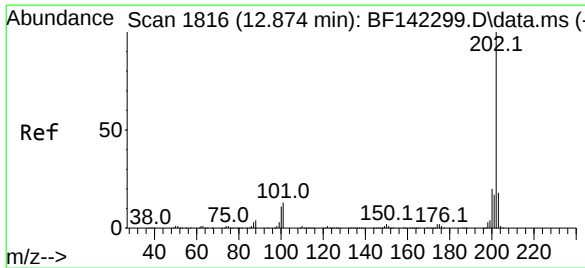
Delta R.T. -0.006 min

Lab File: BF142458.D

Acq: 19 May 2025 18:27

Tgt Ion:	240	Resp:	283665
Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.7	14.5
236	25.3	20.0	30.0





#78

Pyrene

Concen: 10.178 ng

RT: 12.869 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF142458.D

Acq: 19 May 2025 18:27

Instrument :

BNA_F

ClientSampleId :

L1-WC-4

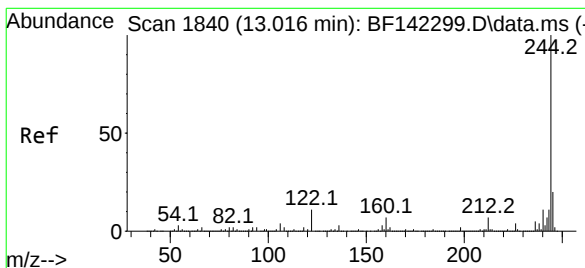
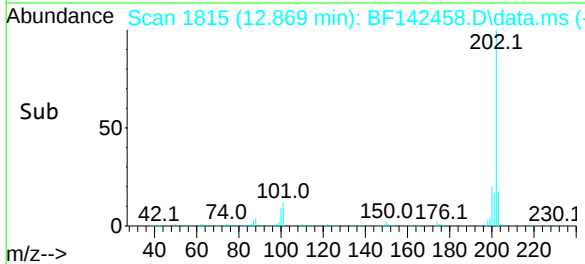
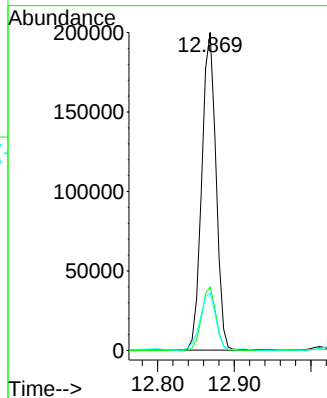
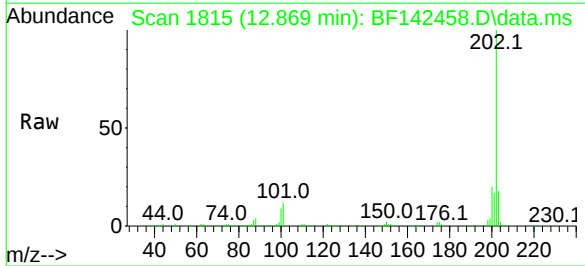
Tgt Ion:202 Resp: 256984

Ion Ratio Lower Upper

202 100

200 19.9 16.2 24.4

203 18.0 14.3 21.5



#79

Terphenyl-d14

Concen: 40.954 ng

RT: 13.010 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF142458.D

Acq: 19 May 2025 18:27

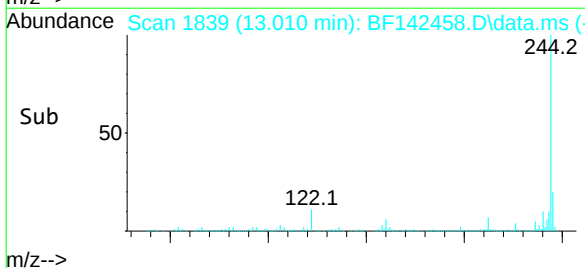
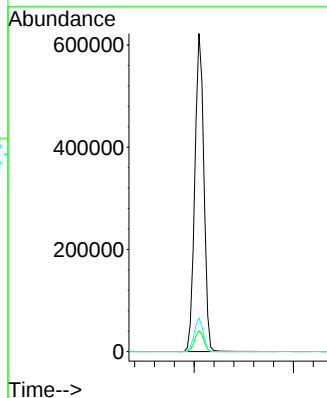
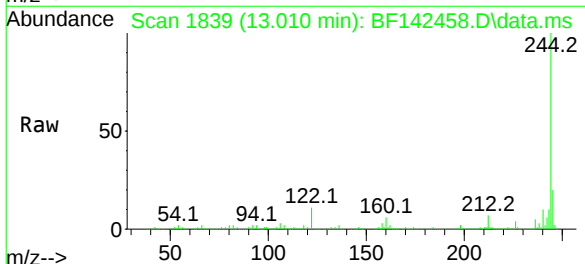
Tgt Ion:244 Resp: 784898

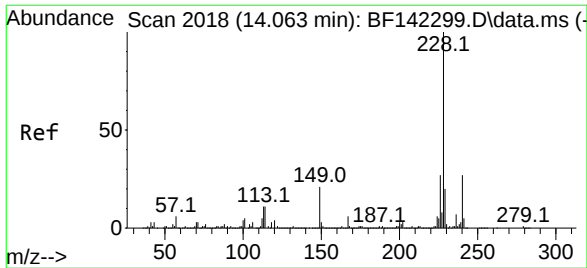
Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.2

122 10.5 9.0 13.4





#81

Benzo(a)anthracene

Concen: 6.230 ng

RT: 14.057 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142458.D

Acq: 19 May 2025 18:27

Instrument :

BNA_F

ClientSampleId :

L1-WC-4

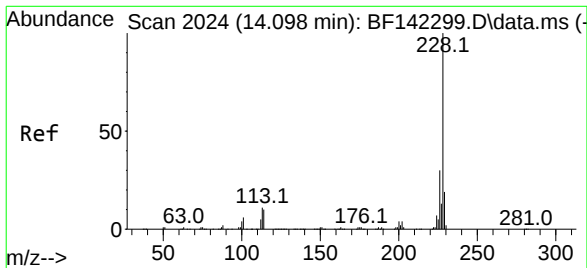
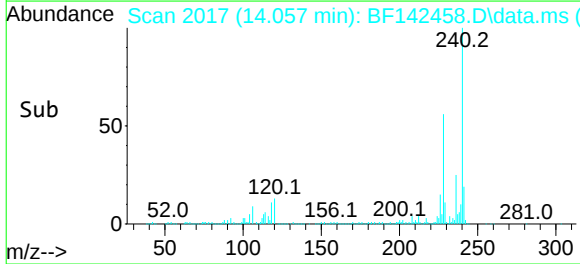
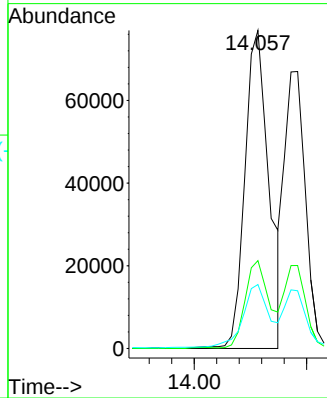
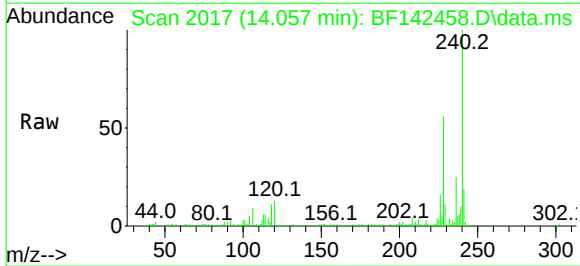
Tgt Ion:228 Resp: 114446

Ion Ratio Lower Upper

228 100

226 27.6 21.5 32.3

229 20.1 15.9 23.9



#83

Chrysene

Concen: 5.088 ng

RT: 14.092 min Scan# 2023

Delta R.T. -0.006 min

Lab File: BF142458.D

Acq: 19 May 2025 18:27

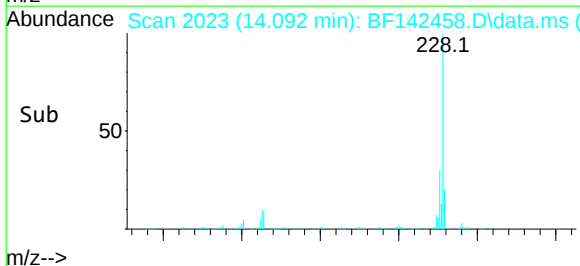
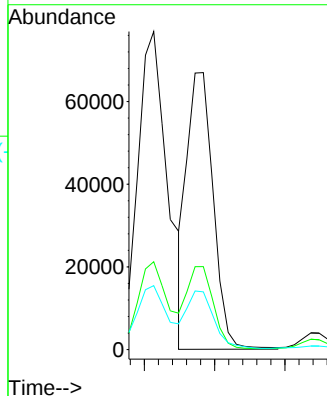
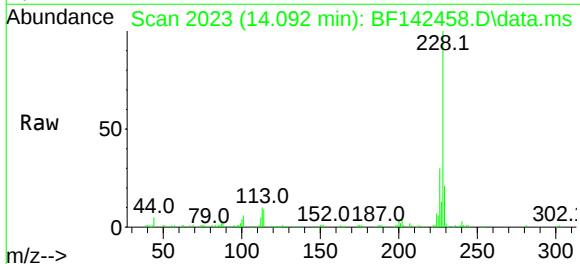
Tgt Ion:228 Resp: 87018

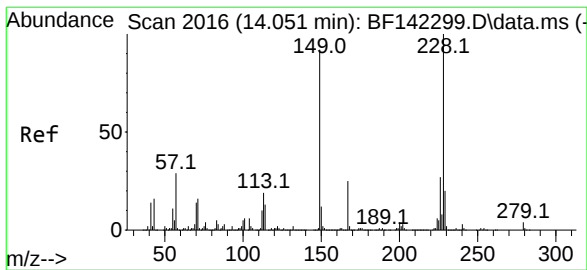
Ion Ratio Lower Upper

228 100

226 30.0 23.9 35.9

229 20.8 15.4 23.2

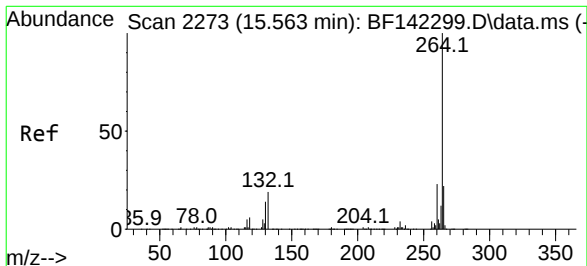
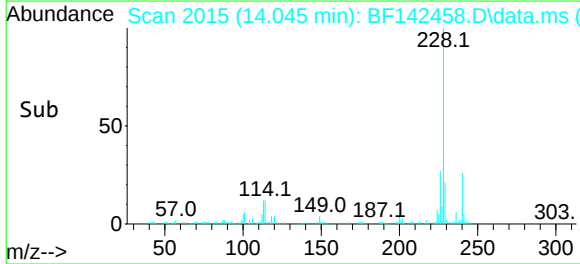
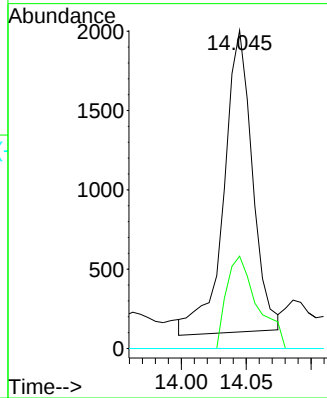
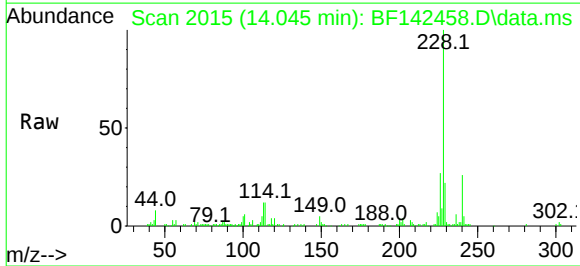




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.514 ng
RT: 14.045 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF142458.D
Acq: 19 May 2025 18:27

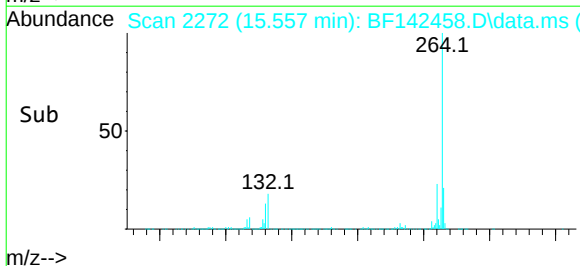
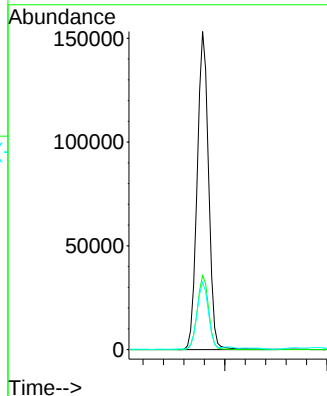
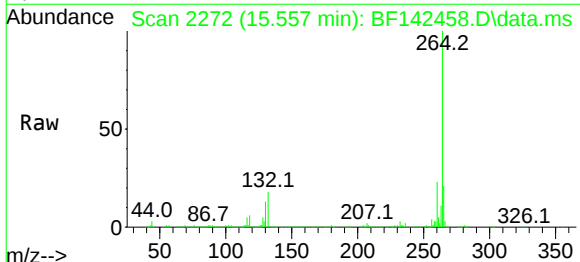
Instrument :
BNA_F
ClientSampleId :
L1-WC-4

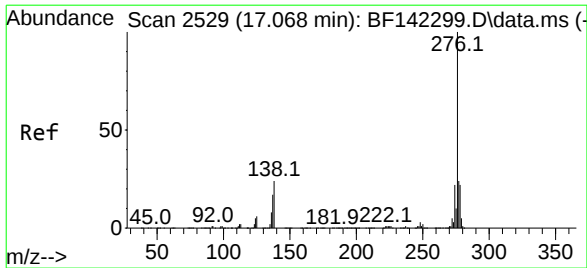
Tgt Ion:	149	Resp:	2912
Ion Ratio	Lower	Upper	
149	100		
167	29.0	22.0	33.0
279	0.0	3.0	4.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BF142458.D
Acq: 19 May 2025 18:27

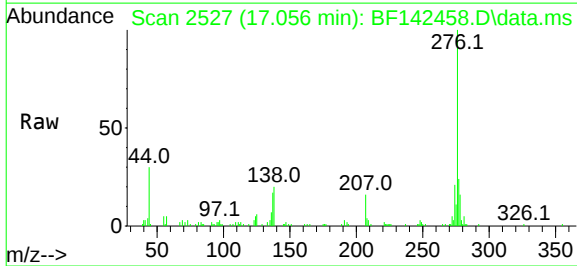
Tgt Ion:	264	Resp:	236530
Ion Ratio	Lower	Upper	
264	100		
260	23.3	18.6	27.8
265	21.1	17.5	26.3



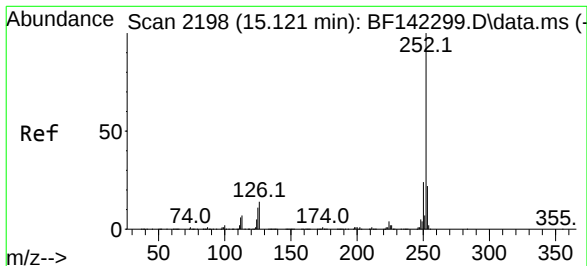
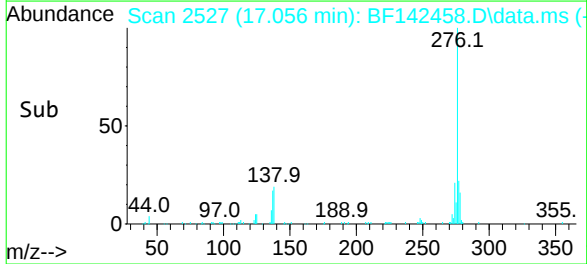
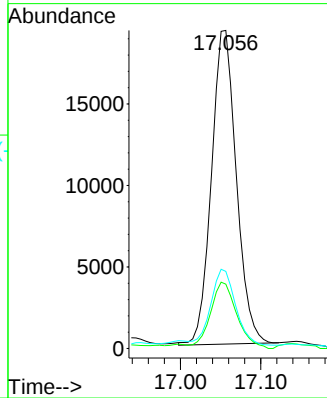


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.523 ng
 RT: 17.056 min Scan# 2527
 Delta R.T. -0.012 min
 Lab File: BF142458.D
 Acq: 19 May 2025 18:27

Instrument :
 BNA_F
 ClientSampleId :
 L1-WC-4

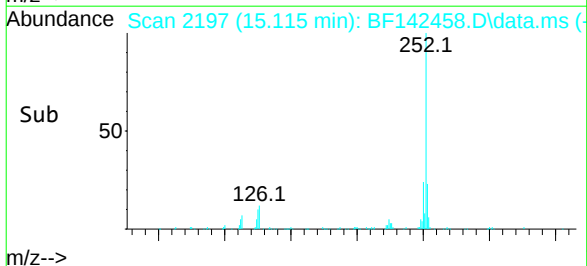
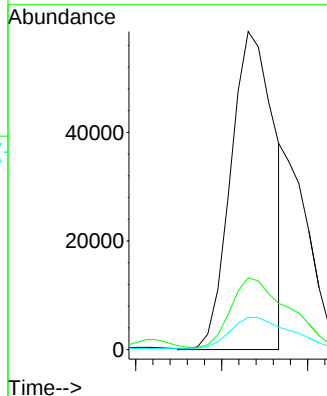
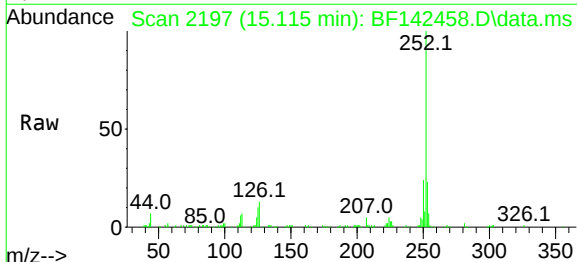


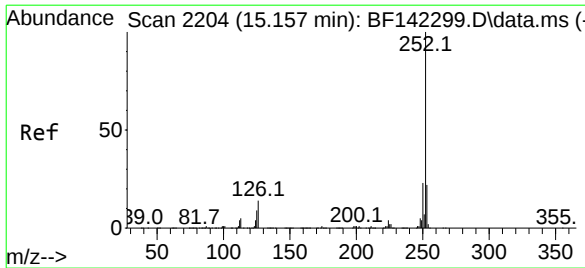
Tgt Ion:	276	Resp:	41515
Ion	Ratio	Lower	Upper
276	100		
138	22.4	22.0	33.0
277	24.6	20.1	30.1



#88
 Benzo(b)fluoranthene
 Concen: 7.098 ng m
 RT: 15.115 min Scan# 2197
 Delta R.T. -0.006 min
 Lab File: BF142458.D
 Acq: 19 May 2025 18:27

Tgt Ion:	252	Resp:	101680
Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	10.2	8.7	13.1





#89

Benzo(k)fluoranthene

Concen: 2.828 ng m

RT: 15.133 min Scan# 2204

Delta R.T. -0.024 min

Lab File: BF142458.D

Acq: 19 May 2025 18:27

Instrument :

BNA_F

ClientSampleId :

L1-WC-4

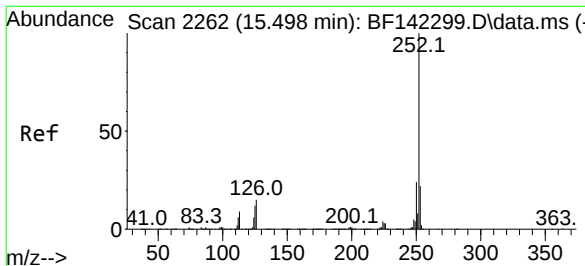
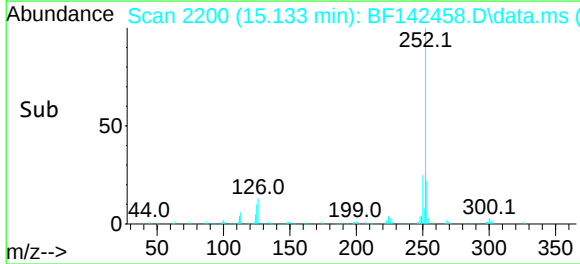
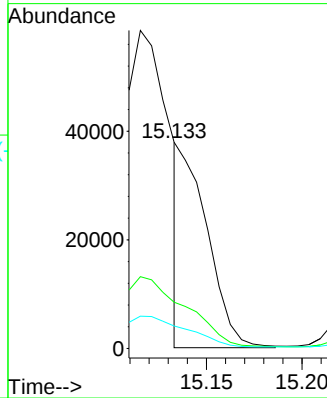
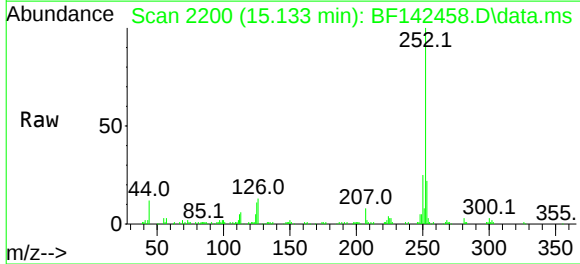
Tgt Ion:252 Resp: 37068

Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

125 10.9 8.1 12.1



#90

Benzo(a)pyrene

Concen: 5.700 ng

RT: 15.492 min Scan# 2261

Delta R.T. -0.006 min

Lab File: BF142458.D

Acq: 19 May 2025 18:27

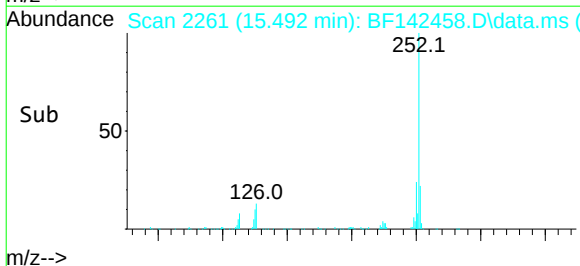
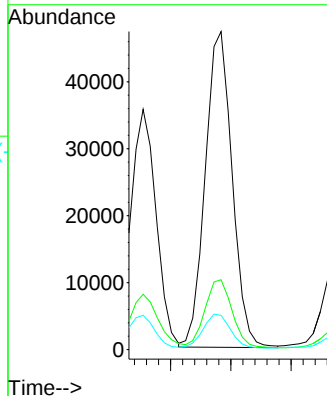
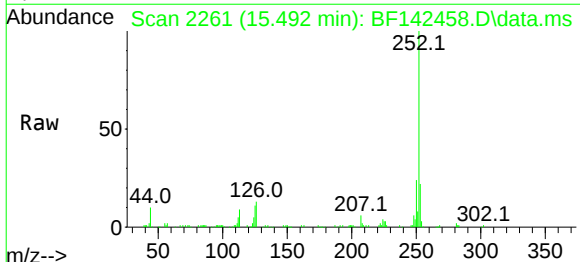
Tgt Ion:252 Resp: 73169

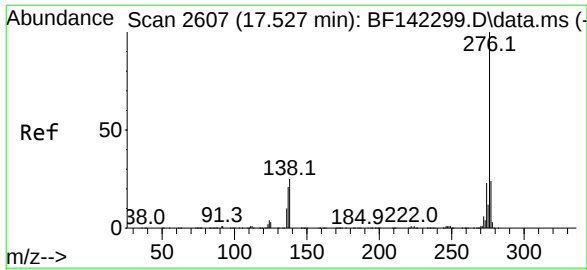
Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

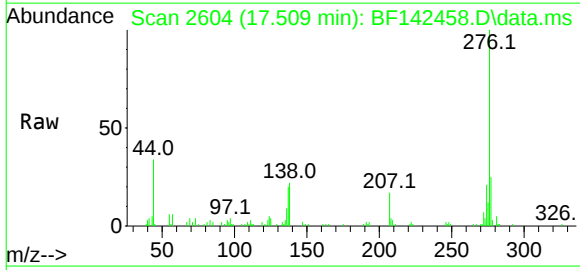
125 10.8 9.4 14.0





#92
Benzo(g,h,i)perylene
Concen: 3.040 ng
RT: 17.509 min Scan# 26
Delta R.T. -0.018 min
Lab File: BF142458.D
Acq: 19 May 2025 18:27

Instrument :
BNA_F
ClientSampleId :
L1-WC-4



Tgt Ion:	276	Resp:	41015
Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.0	28.6
138	21.6	19.8	29.6

