

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051925\
 Data File : BF142457.D
 Acq On : 19 May 2025 17:58
 Operator : RC/JU
 Sample : Q2062-09
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 L1-WC-3

Quant Time: May 20 02:21:41 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)

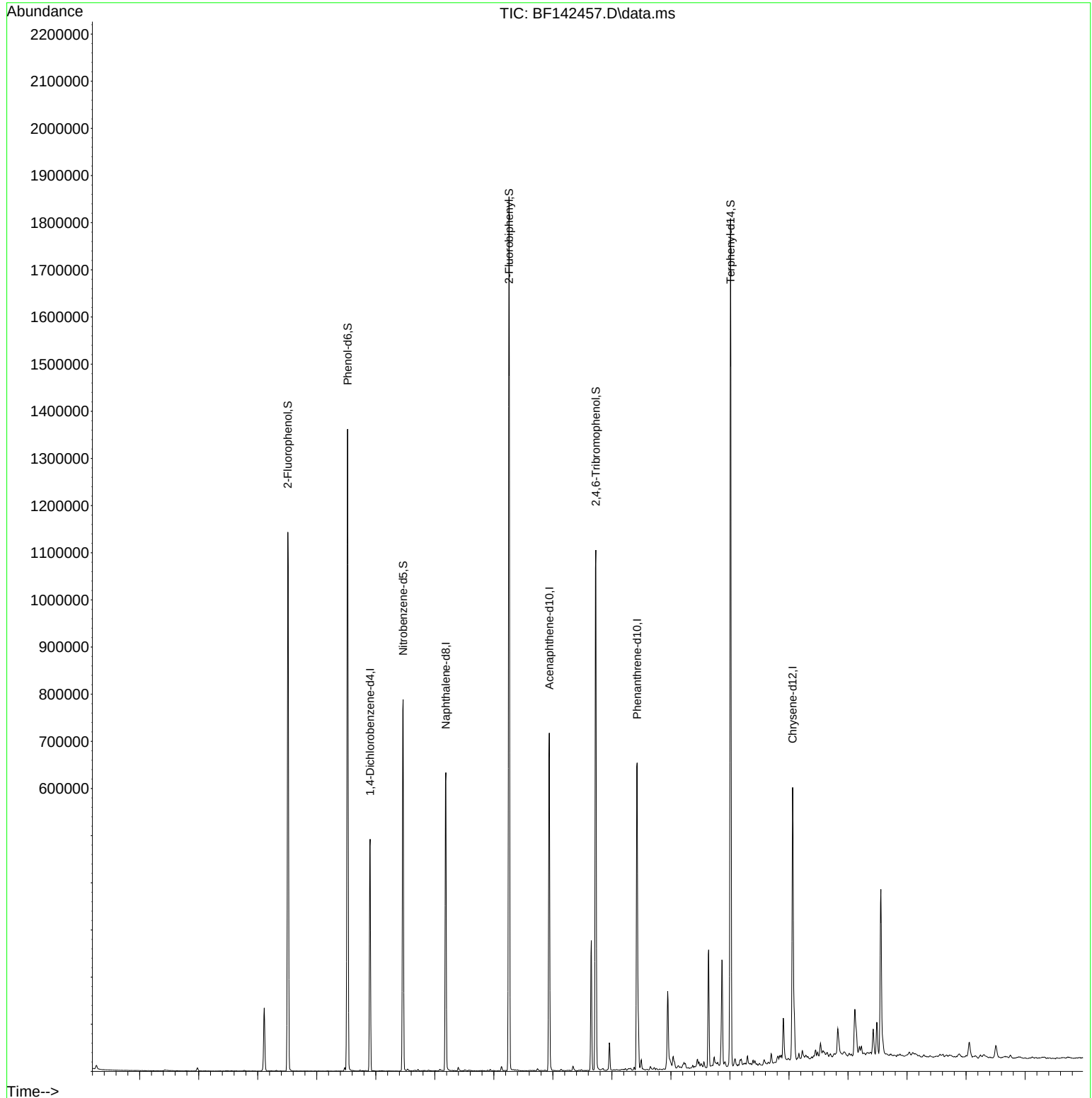
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	108970	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	409015	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	218127	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	354322	20.000	ng	0.00
76) Chrysene-d12	14.063	240	244752	20.000	ng	0.00
86) Perylene-d12	15.557	264	204991	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	438762	68.735	ng	0.00
7) Phenol-d6	6.522	99	626458	79.792	ng	0.00
23) Nitrobenzene-d5	7.463	82	334482	49.874	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	201866	95.854	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	808385	52.843	ng	0.00
79) Terphenyl-d14	13.010	244	865995	52.370	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.445	178	56420	3.038	ng	97
75) Fluoranthene	12.639	202	147636	7.952	ng	97
78) Pyrene	12.869	202	134884	6.192	ng	98
81) Benzo(a)anthracene	14.051	228	55603	3.508	ng	97
83) Chrysene	14.086	228	52698	3.571	ng	97
84) Bis(2-ethylhexyl)phtha...	14.045	149	1567	4.410	ng	# 95
88) Benzo(b)fluoranthene	15.115	252	71497m	5.759	ng	
90) Benzo(a)pyrene	15.492	252	43888	3.945	ng	98
92) Benzo(g,h,i)perylene	17.509	276	25203	2.155	ng	95

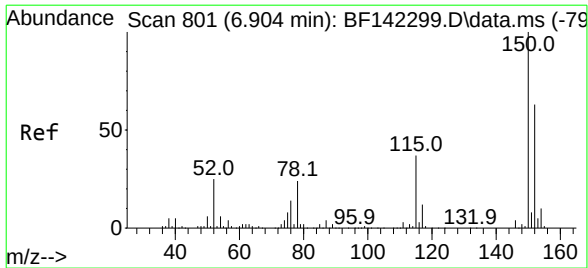
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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L1-WC-3

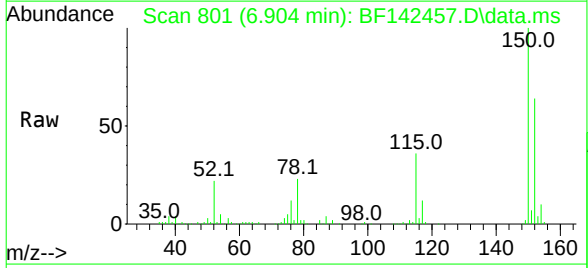
Quant Time: May 20 02:21:41 2025
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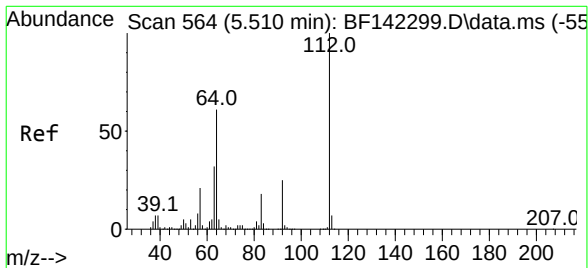
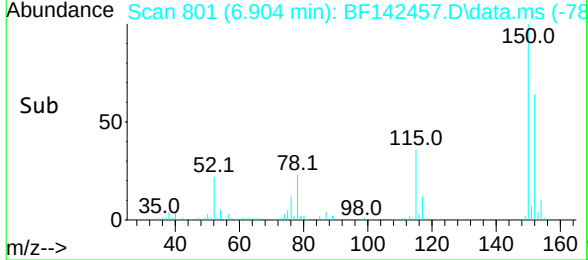
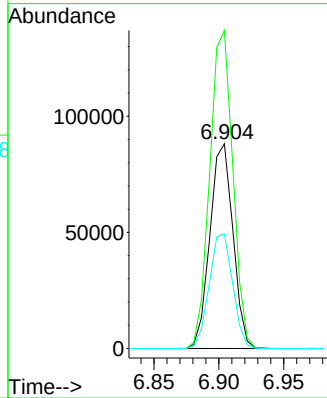


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142457.D
Acq: 19 May 2025 17:58

Instrument :
BNA_F
ClientSampleId :
L1-WC-3

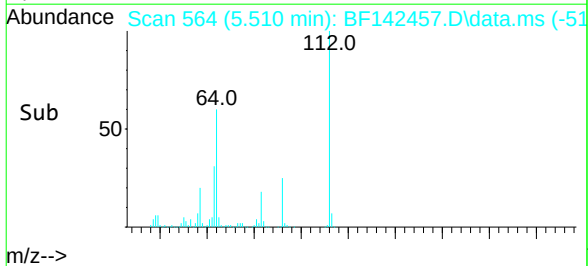
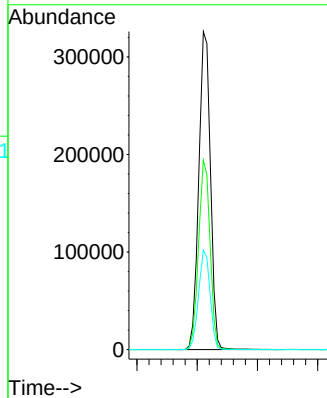
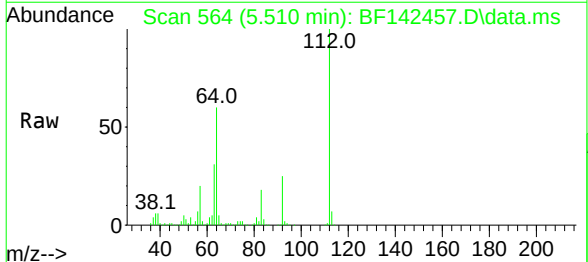


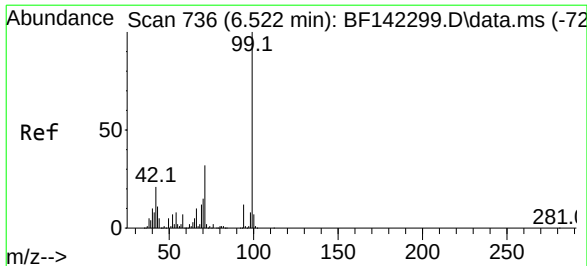
Tgt Ion:152 Resp: 108970
Ion Ratio Lower Upper
152 100
150 155.4 126.6 190.0
115 56.1 47.3 70.9



#5
2-Fluorophenol
Concen: 68.735 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF142457.D
Acq: 19 May 2025 17:58

Tgt Ion:112 Resp: 438762
Ion Ratio Lower Upper
112 100
64 59.6 48.9 73.3
63 31.3 25.6 38.4

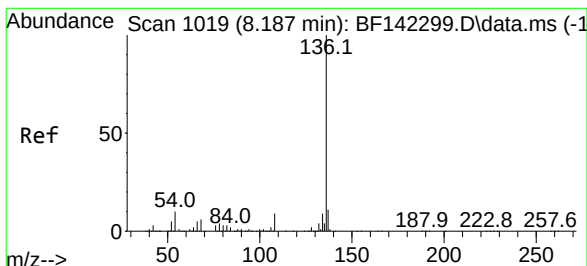
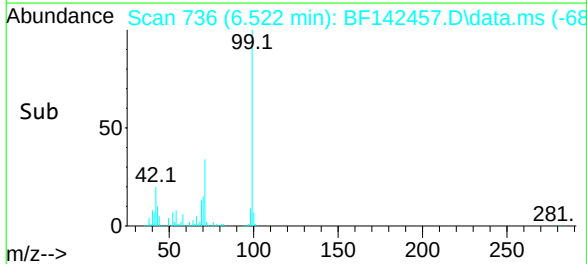
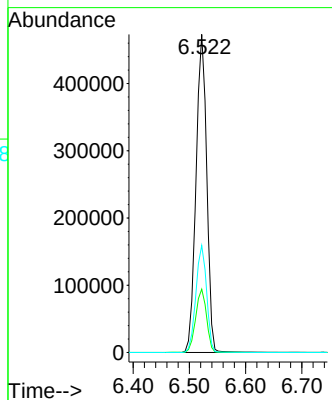
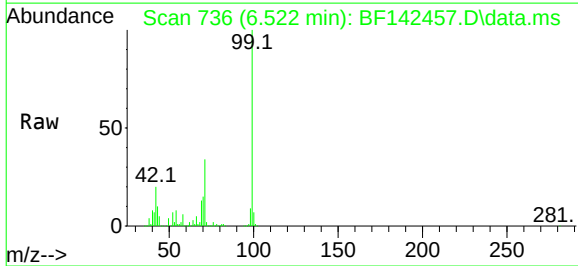




#7
Phenol-d6
Concen: 79.792 ng
RT: 6.522 min Scan# 736
Delta R.T. -0.000 min
Lab File: BF142457.D
Acq: 19 May 2025 17:58

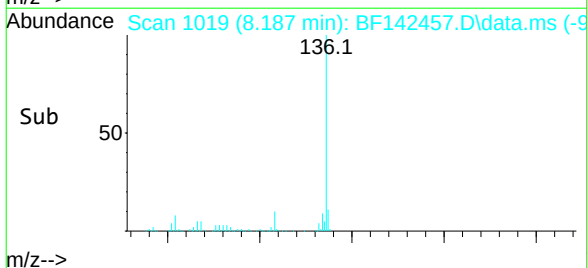
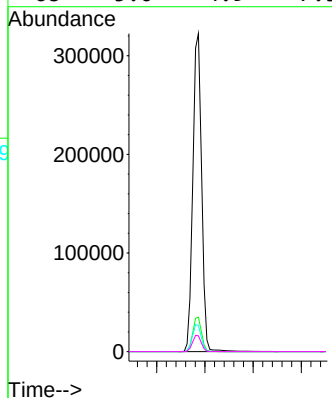
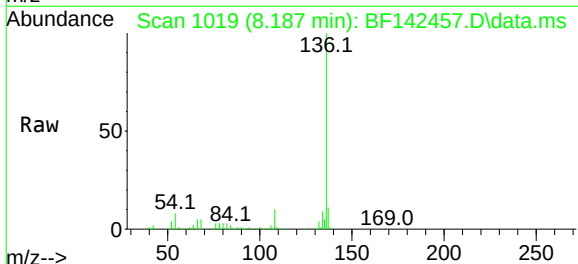
Instrument :
BNA_F
ClientSampleId :
L1-WC-3

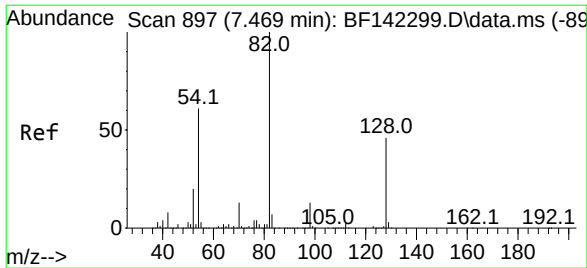
Tgt Ion:	99	Resp:	626458
Ion	Ratio	Lower	Upper
99	100		
42	19.9	17.0	25.4
71	33.6	25.8	38.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF142457.D
Acq: 19 May 2025 17:58

Tgt Ion:	136	Resp:	409015
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.2	7.7	11.5
68	5.0	4.9	7.3

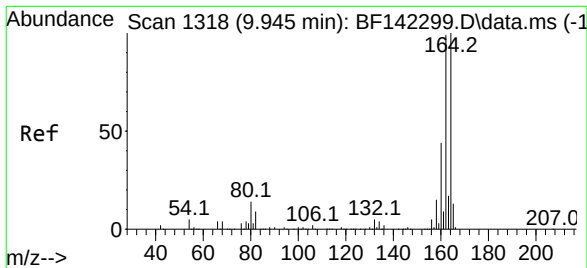
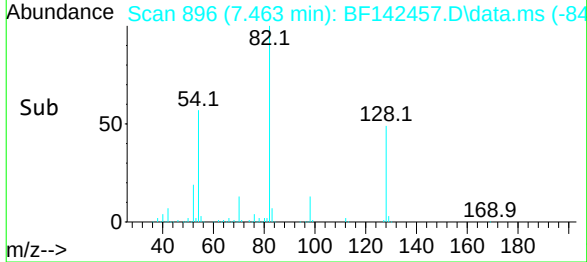
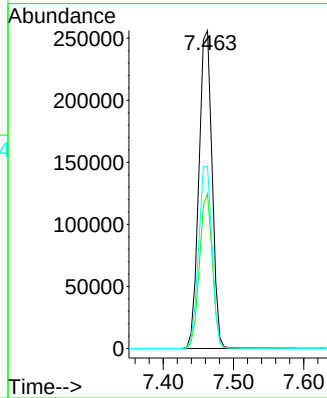
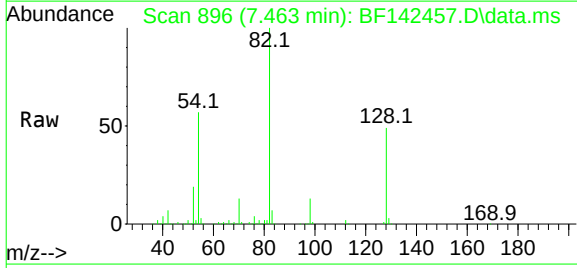




#23
 Nitrobenzene-d5
 Concen: 49.874 ng
 RT: 7.463 min Scan# 89
 Delta R.T. -0.006 min
 Lab File: BF142457.D
 Acq: 19 May 2025 17:58

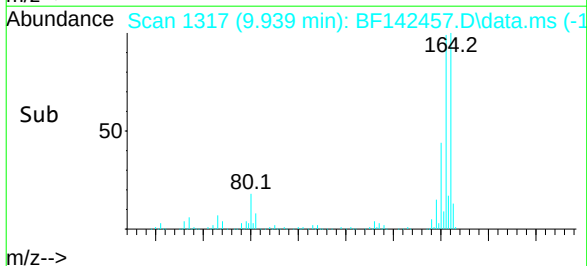
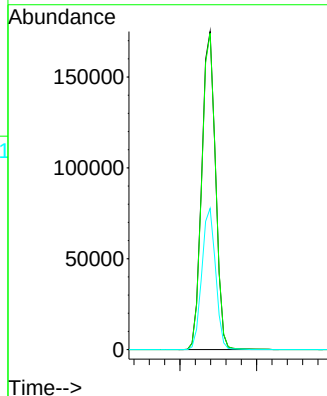
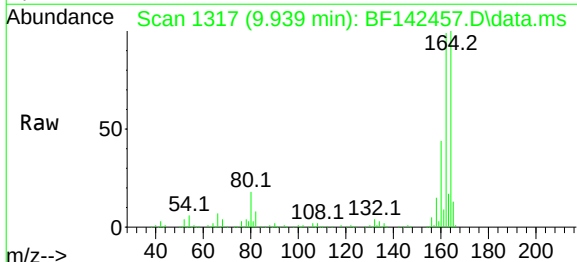
Instrument :
 BNA_F
 ClientSampleId :
 L1-WC-3

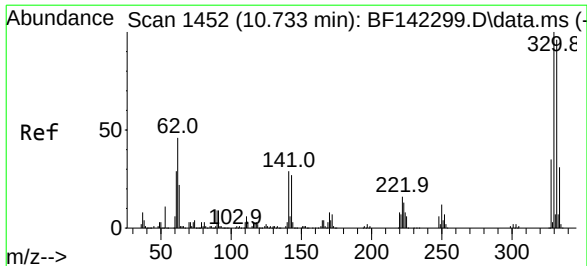
Tgt Ion: 82 Resp: 334482
 Ion Ratio Lower Upper
 82 100
 128 48.6 37.0 55.6
 54 57.3 48.6 73.0



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.939 min Scan# 1317
 Delta R.T. -0.006 min
 Lab File: BF142457.D
 Acq: 19 May 2025 17:58

Tgt Ion: 164 Resp: 218127
 Ion Ratio Lower Upper
 164 100
 162 99.5 79.2 118.8
 160 44.4 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 95.854 ng

RT: 10.727 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF142457.D

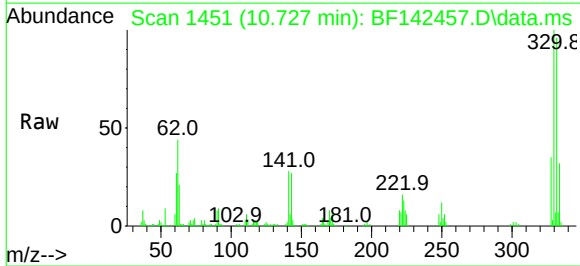
Acq: 19 May 2025 17:58

Instrument :

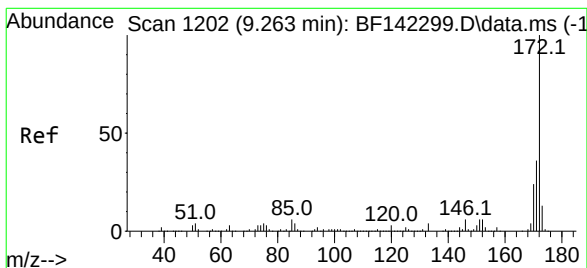
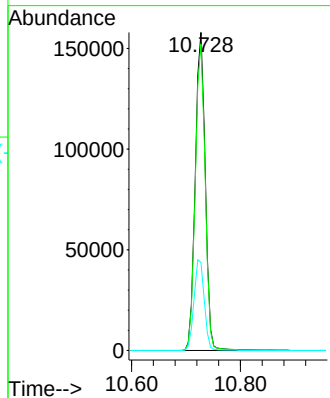
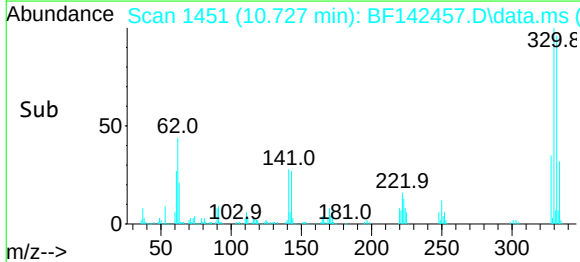
BNA_F

ClientSampleId :

L1-WC-3



Tgt Ion:	330	Resp:	201866
Ion Ratio	Lower	Upper	
330	100		
332	95.5	76.8	115.2
141	29.5	24.9	37.3



#45

2-Fluorobiphenyl

Concen: 52.843 ng

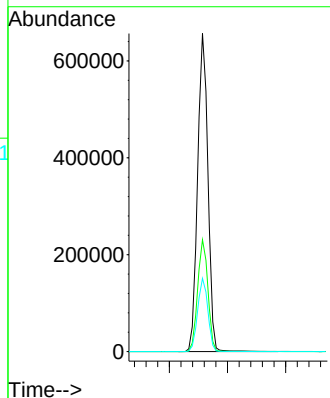
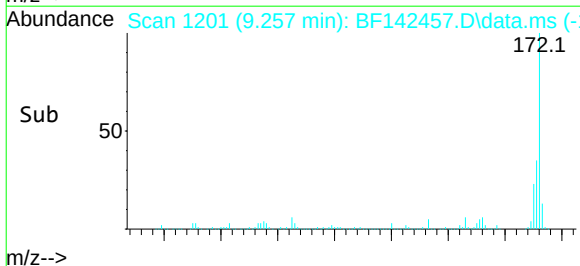
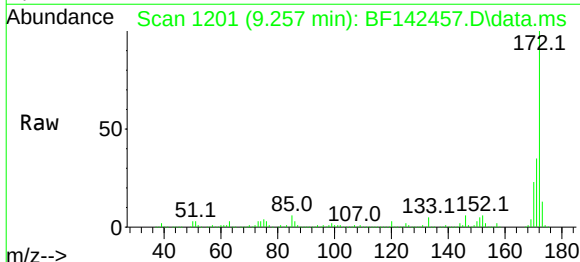
RT: 9.257 min Scan# 1201

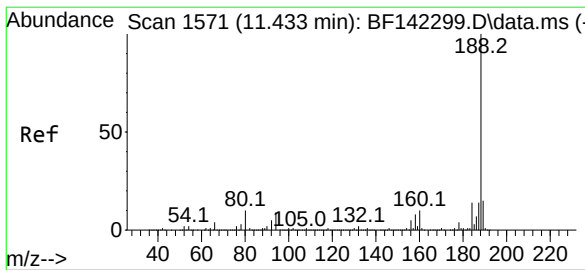
Delta R.T. -0.006 min

Lab File: BF142457.D

Acq: 19 May 2025 17:58

Tgt Ion:	172	Resp:	808385
Ion Ratio	Lower	Upper	
172	100		
171	35.2	28.6	42.8
170	23.0	19.0	28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.427 min Scan# 1571

Delta R.T. -0.006 min

Lab File: BF142457.D

Acq: 19 May 2025 17:58

Instrument :

BNA_F

ClientSampleId :

L1-WC-3

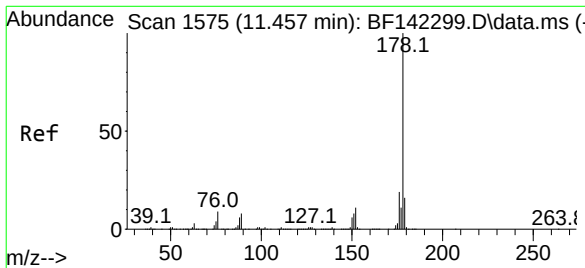
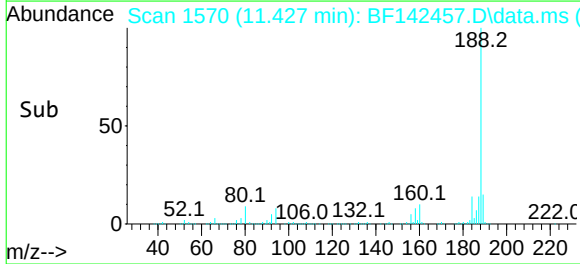
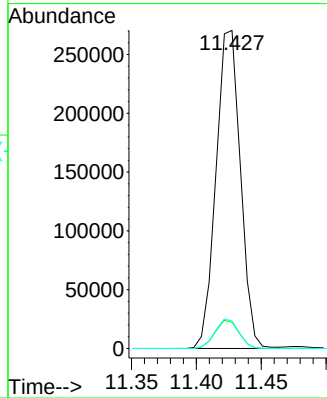
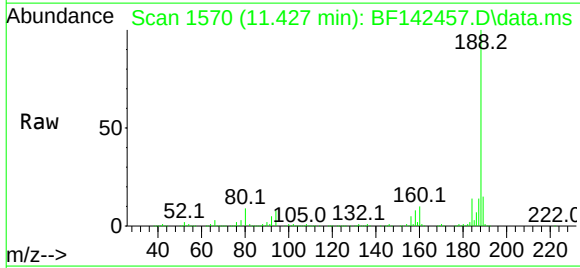
Tgt Ion:188 Resp: 354322

Ion Ratio Lower Upper

188 100

94 8.3 7.5 11.3

80 8.6 7.9 11.9



#71

Phenanthrene

Concen: 3.038 ng

RT: 11.445 min Scan# 1573

Delta R.T. -0.012 min

Lab File: BF142457.D

Acq: 19 May 2025 17:58

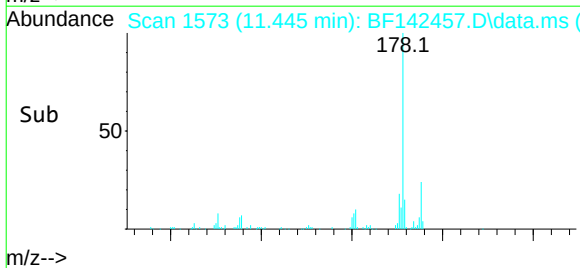
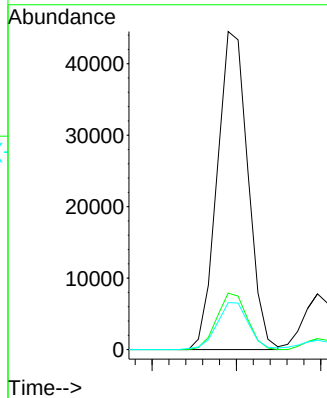
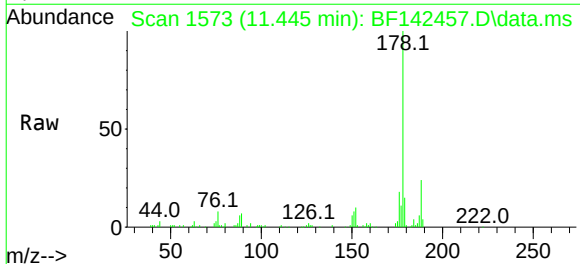
Tgt Ion:178 Resp: 56420

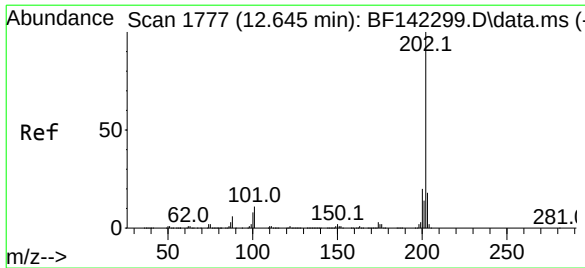
Ion Ratio Lower Upper

178 100

176 17.8 15.5 23.3

179 14.8 12.6 18.8





#75

Fluoranthene

Concen: 7.952 ng

RT: 12.639 min Scan# 17

Delta R.T. -0.006 min

Lab File: BF142457.D

Acq: 19 May 2025 17:58

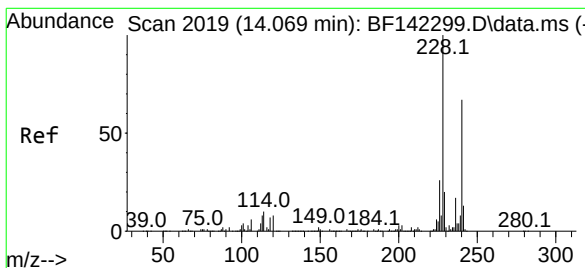
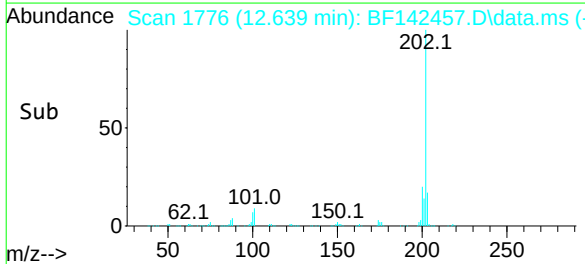
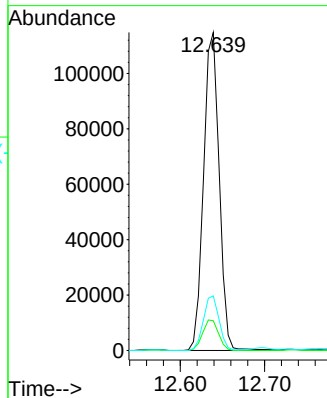
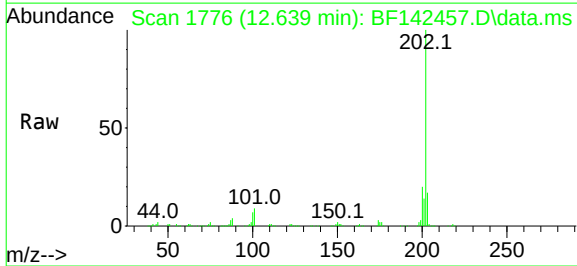
Instrument :

BNA_F

ClientSampleId :

L1-WC-3

Tgt Ion:	202	Resp:	147636
Ion Ratio	Lower	Upper	
202	100		
101	9.4	0.0	31.4
203	17.2	0.0	37.9



#76

Chrysene-d12

Concen: 20.000 ng

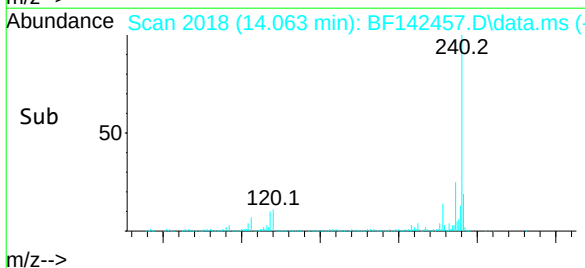
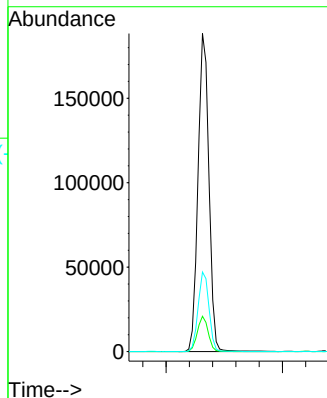
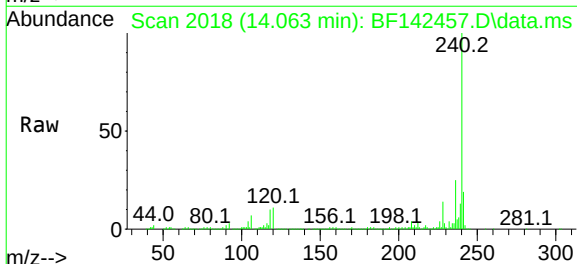
RT: 14.063 min Scan# 2018

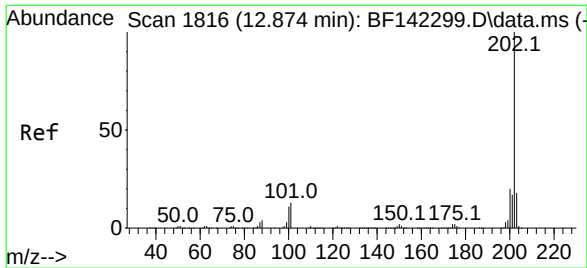
Delta R.T. -0.006 min

Lab File: BF142457.D

Acq: 19 May 2025 17:58

Tgt Ion:	240	Resp:	244752
Ion Ratio	Lower	Upper	
240	100		
120	11.1	9.7	14.5
236	25.0	20.0	30.0





#78

Pyrene

Concen: 6.192 ng

RT: 12.869 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF142457.D

Acq: 19 May 2025 17:58

Instrument :

BNA_F

ClientSampleId :

L1-WC-3

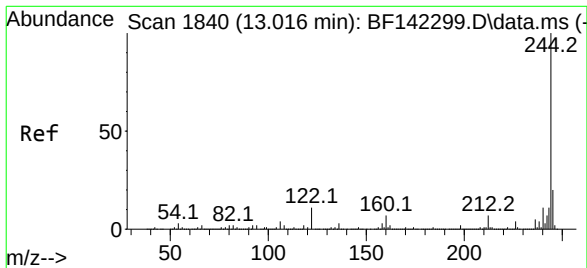
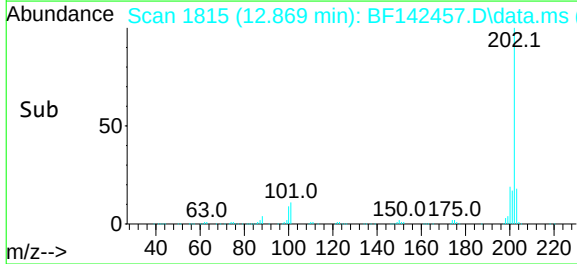
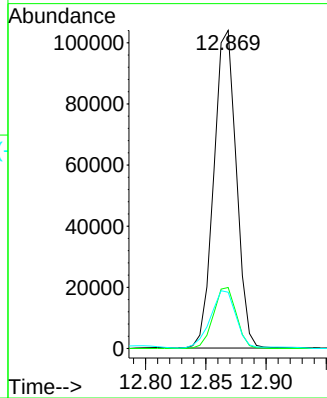
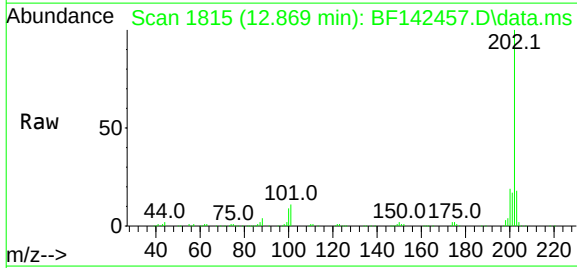
Tgt Ion:202 Resp: 134884

Ion Ratio Lower Upper

202 100

200 19.2 16.2 24.4

203 17.7 14.3 21.5



#79

Terphenyl-d14

Concen: 52.370 ng

RT: 13.010 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF142457.D

Acq: 19 May 2025 17:58

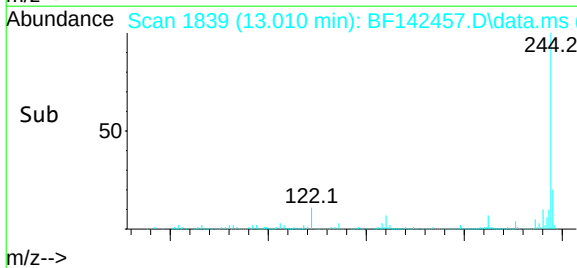
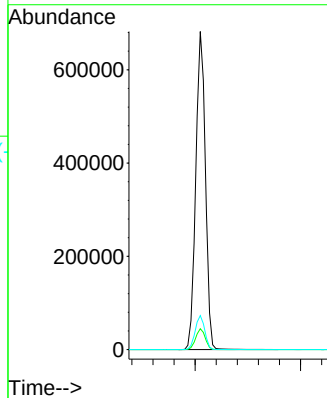
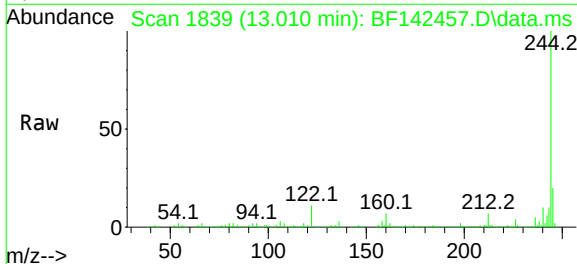
Tgt Ion:244 Resp: 865995

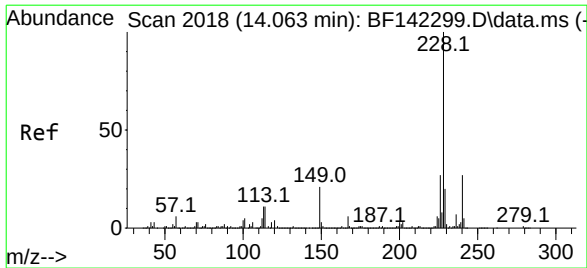
Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.2

122 10.7 9.0 13.4





#81

Benzo(a)anthracene

Concen: 3.508 ng

RT: 14.051 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF142457.D

Acq: 19 May 2025 17:58

Instrument :

BNA_F

ClientSampleId :

L1-WC-3

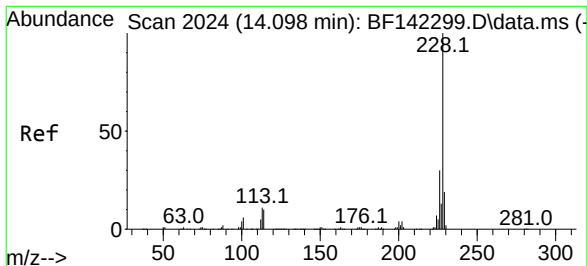
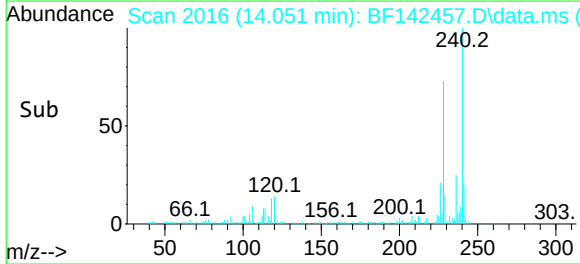
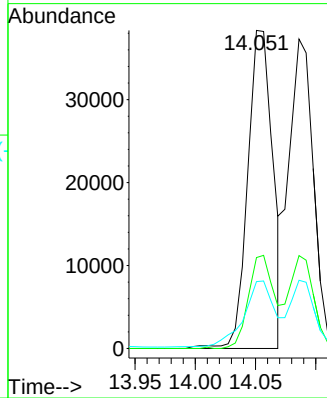
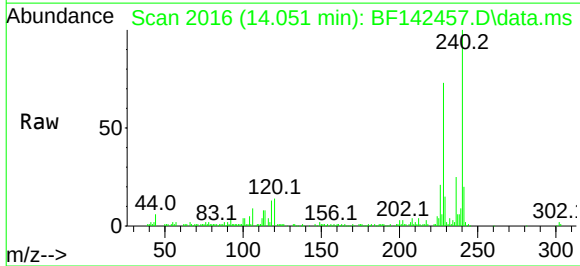
Tgt Ion:228 Resp: 55603

Ion Ratio Lower Upper

228 100

226 28.6 21.5 32.3

229 21.0 15.9 23.9



#83

Chrysene

Concen: 3.571 ng

RT: 14.086 min Scan# 2022

Delta R.T. -0.012 min

Lab File: BF142457.D

Acq: 19 May 2025 17:58

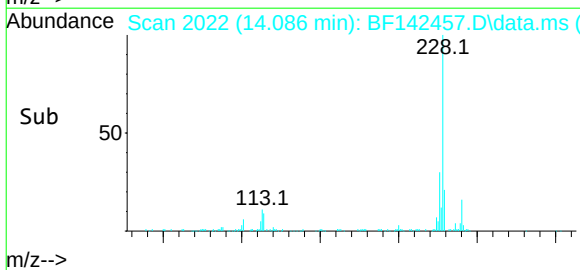
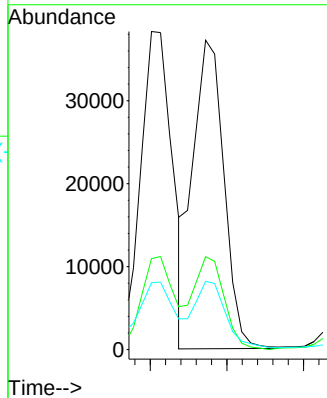
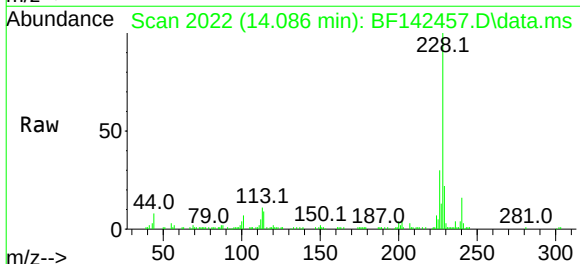
Tgt Ion:228 Resp: 52698

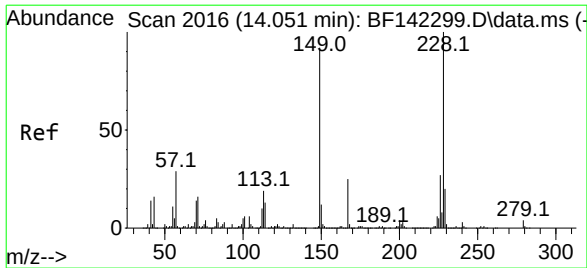
Ion Ratio Lower Upper

228 100

226 30.0 23.9 35.9

229 22.0 15.4 23.2





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.410 ng

RT: 14.045 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF142457.D

Acq: 19 May 2025 17:58

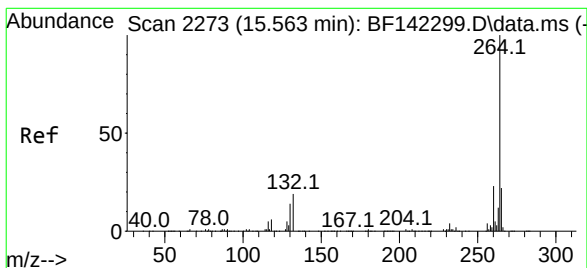
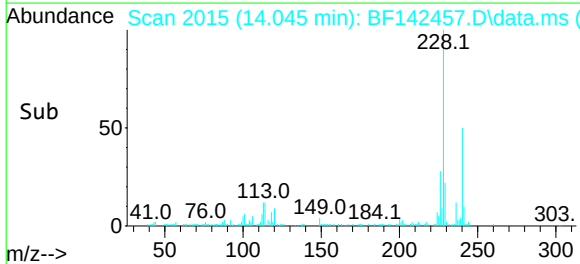
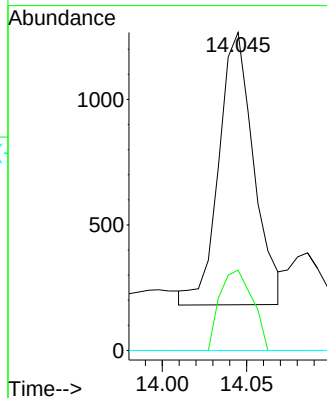
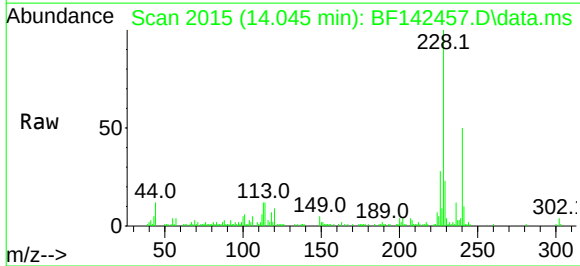
Instrument :

BNA_F

ClientSampleId :

L1-WC-3

Tgt Ion:	149	Resp:	1567
Ion Ratio	Lower	Upper	
149	100		
167	25.3	22.0	33.0
279	0.0	3.0	4.6



#86

Perylene-d12

Concen: 20.000 ng

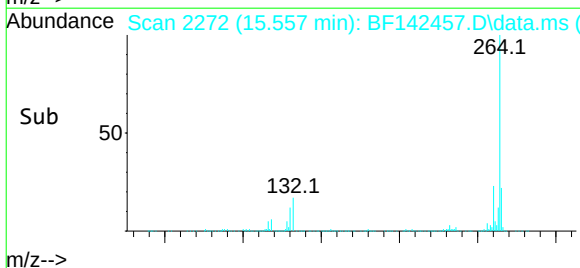
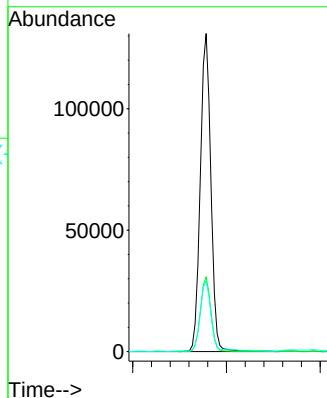
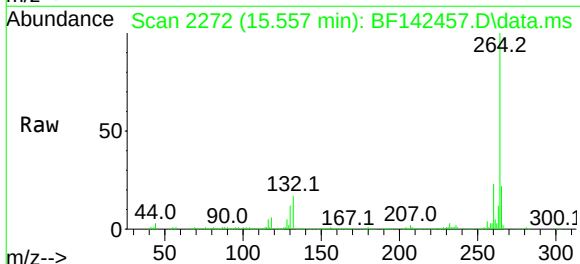
RT: 15.557 min Scan# 2272

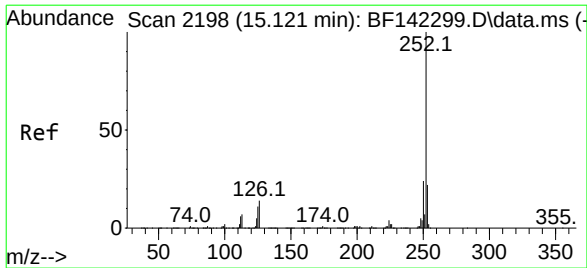
Delta R.T. -0.006 min

Lab File: BF142457.D

Acq: 19 May 2025 17:58

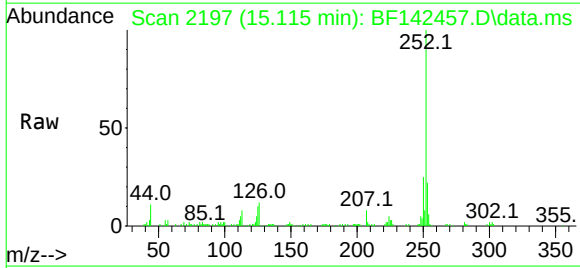
Tgt Ion:	264	Resp:	204991
Ion Ratio	Lower	Upper	
264	100		
260	23.4	18.6	27.8
265	22.2	17.5	26.3



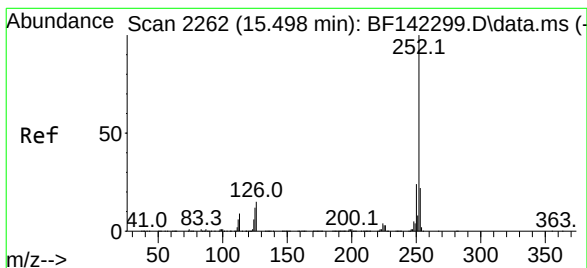
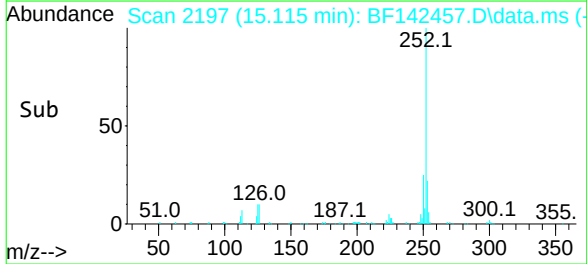
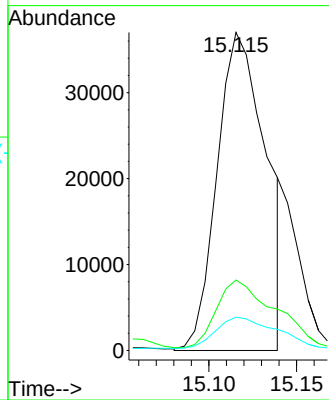


#88
Benzo(b)fluoranthene
Concen: 5.759 ng m
RT: 15.115 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF142457.D
Acq: 19 May 2025 17:58

Instrument :
BNA_F
ClientSampleId :
L1-WC-3

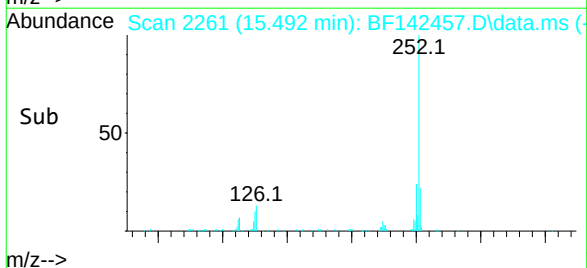
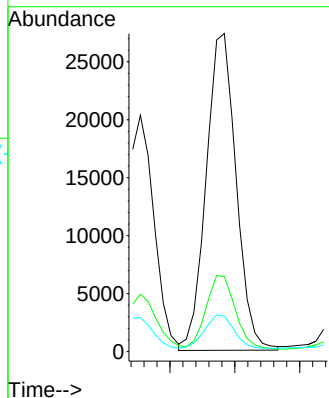
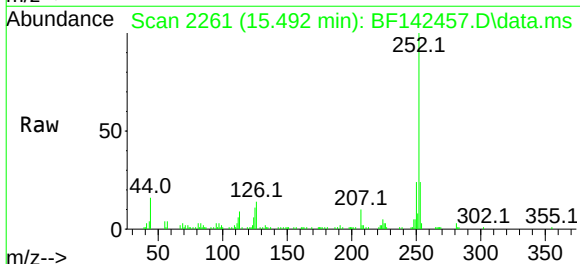


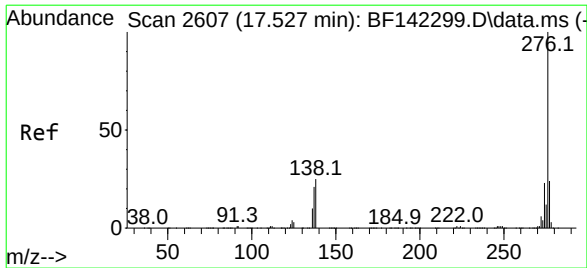
Tgt Ion:	252	Resp:	71497
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.7	26.5
125	10.5	8.7	13.1



#90
Benzo(a)pyrene
Concen: 3.945 ng
RT: 15.492 min Scan# 2261
Delta R.T. -0.006 min
Lab File: BF142457.D
Acq: 19 May 2025 17:58

Tgt Ion:	252	Resp:	43888
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.8	26.6
125	11.2	9.4	14.0





#92

Benzo(g,h,i)perylene

Concen: 2.155 ng

RT: 17.509 min Scan# 2604

Delta R.T. -0.018 min

Lab File: BF142457.D

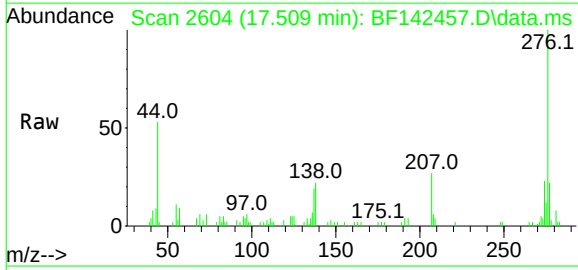
Acq: 19 May 2025 17:58

Instrument :

BNA_F

ClientSampleId :

L1-WC-3



Tgt Ion:276 Resp: 25203

Ion Ratio Lower Upper

276 100

277 21.7 19.0 28.6

138 21.7 19.8 29.6

