

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012425\
 Data File : BF141260.D
 Acq On : 24 Jan 2025 14:16
 Operator : RC/JU
 Sample : Q1169-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SPILL-SITE

Quant Time: Jan 25 01:00:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 10 22:54:19 2025
 Response via : Initial Calibration

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

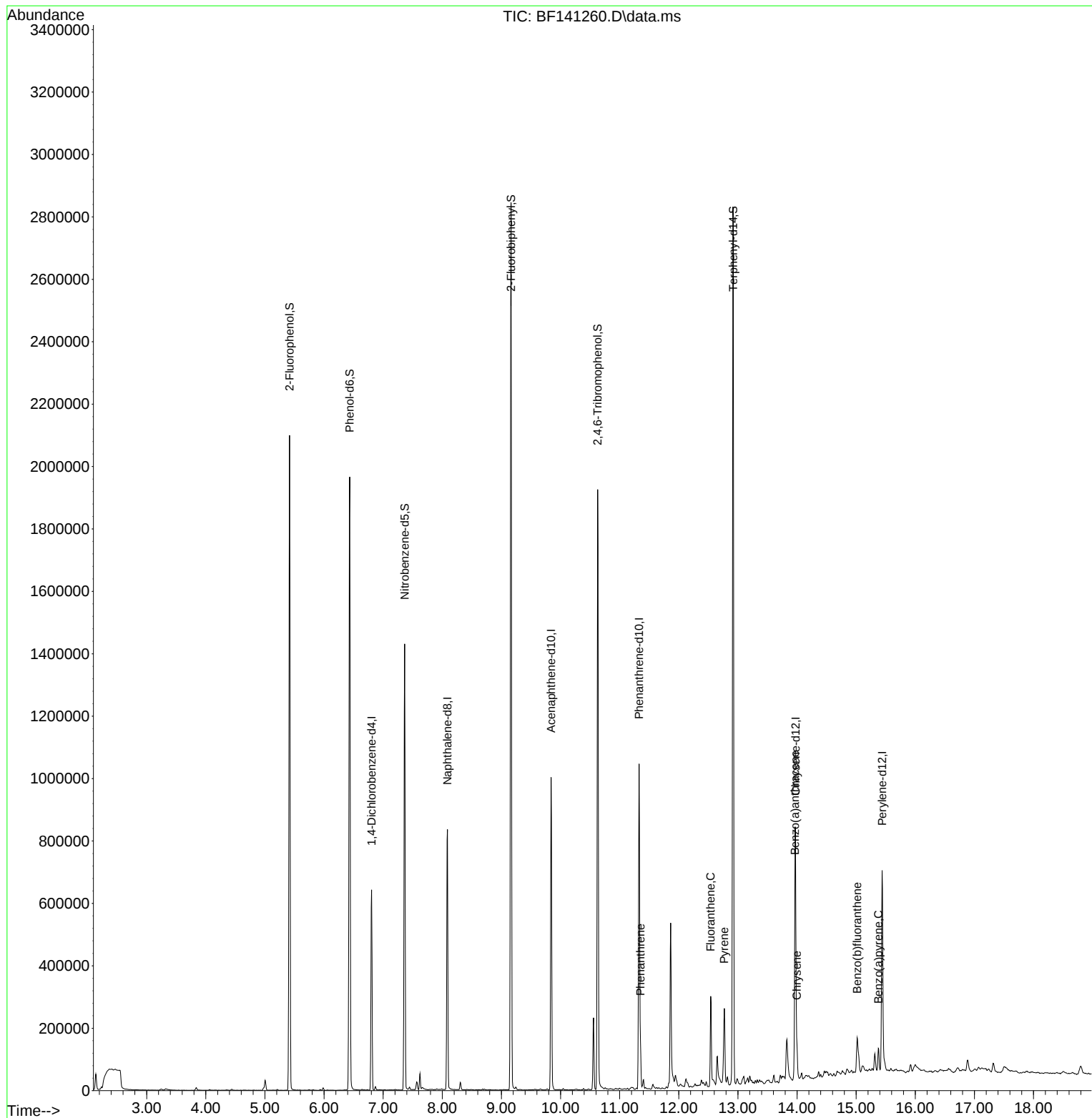
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	134458	20.000	ng	-0.02
21) Naphthalene-d8	8.087	136	545604	20.000	ng	-0.02
39) Acenaphthene-d10	9.839	164	299306	20.000	ng	-0.02
64) Phenanthrene-d10	11.328	188	517862	20.000	ng	-0.02
76) Chrysene-d12	13.974	240	358799	20.000	ng	-0.01
86) Perylene-d12	15.439	264	366548	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	811913	93.282	ng	-0.01
7) Phenol-d6	6.434	99	1015154	92.075	ng	-0.01
23) Nitrobenzene-d5	7.363	82	637743	61.960	ng	-0.02
42) 2,4,6-Tribromophenol	10.628	330	364448	106.864	ng	-0.02
45) 2-Fluorobiphenyl	9.163	172	1266447	64.613	ng	-0.02
79) Terphenyl-d14	12.922	244	1430816	59.271	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.351	178	70410	2.533	ng	99
75) Fluoranthene	12.539	202	160322	5.779	ng	99
78) Pyrene	12.769	202	135340	3.949	ng	97
81) Benzo(a)anthracene	13.963	228	70984	2.907	ng	98
83) Chrysene	13.998	228	53974	2.362	ng	97
88) Benzo(b)fluoranthene	15.015	252	69722m	2.950	ng	
90) Benzo(a)pyrene	15.374	252	45256	2.321	ng	96

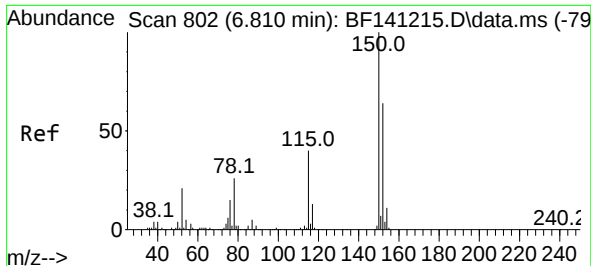
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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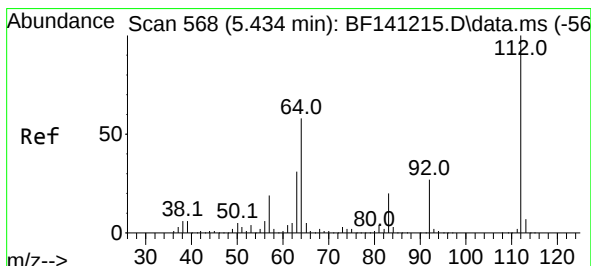
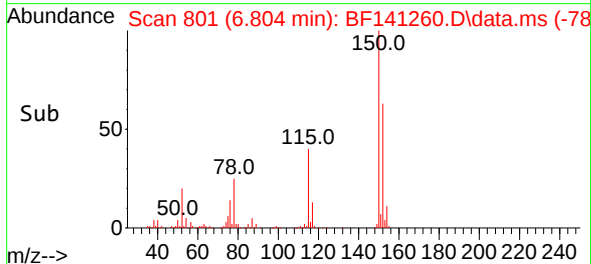
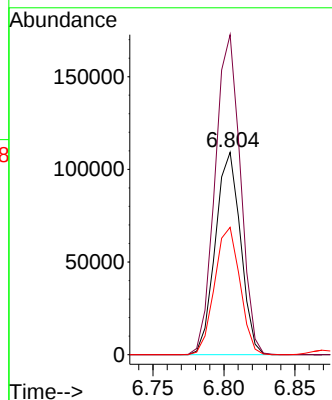
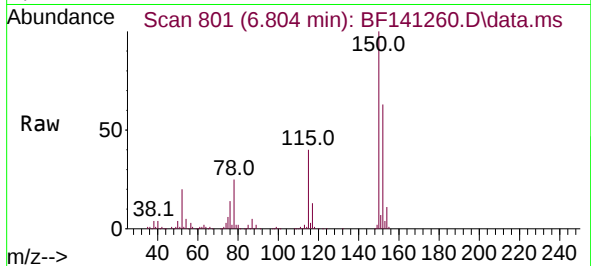




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 801
Delta R.T. -0.018 min
Lab File: BF141260.D
Acq: 24 Jan 2025 14:16

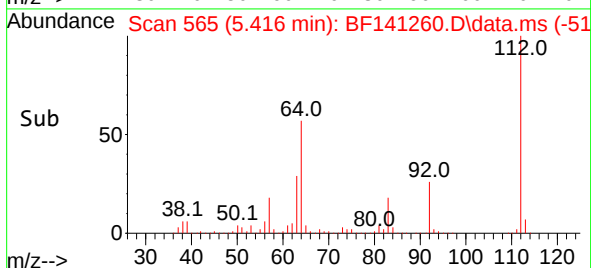
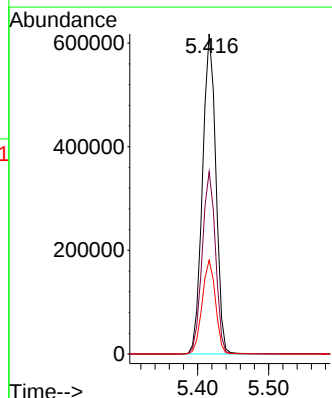
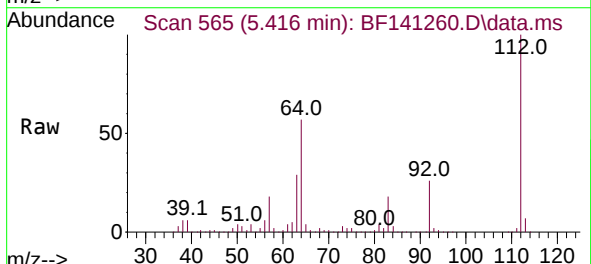
Instrument :
BNA_F
ClientSampleId :
SPILL-SITE

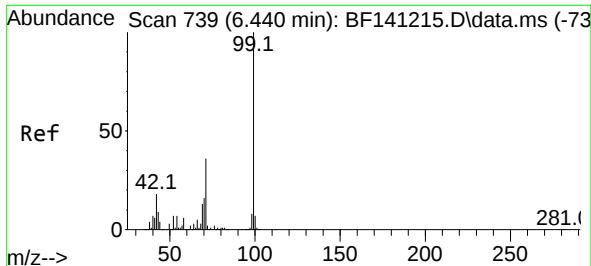
Tgt Ion:152 Resp: 134458
Ion Ratio Lower Upper
152 100
150 158.1 125.8 188.8
115 62.9 51.4 77.2



#5
2-Fluorophenol
Concen: 93.282 ng
RT: 5.416 min Scan# 565
Delta R.T. -0.012 min
Lab File: BF141260.D
Acq: 24 Jan 2025 14:16

Tgt Ion:112 Resp: 811913
Ion Ratio Lower Upper
112 100
64 56.9 47.3 70.9
63 29.3 24.2 36.2

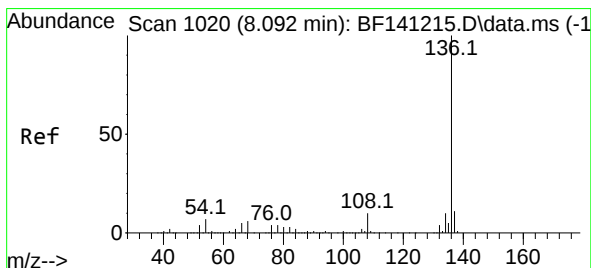
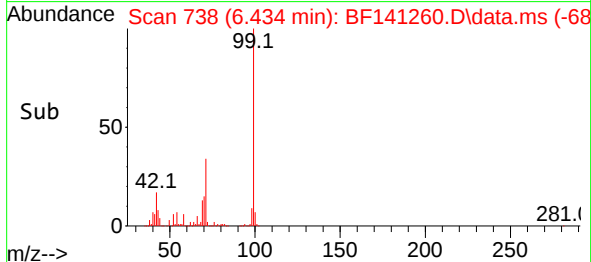
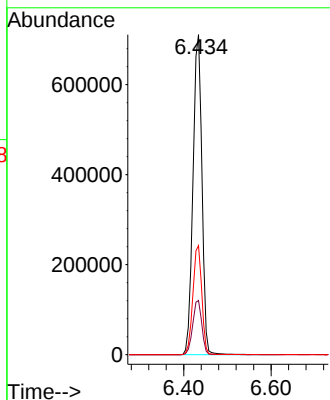
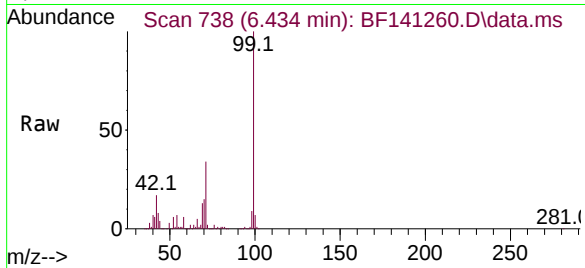




#7
Phenol-d6
Concen: 92.075 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141260.D
Acq: 24 Jan 2025 14:16

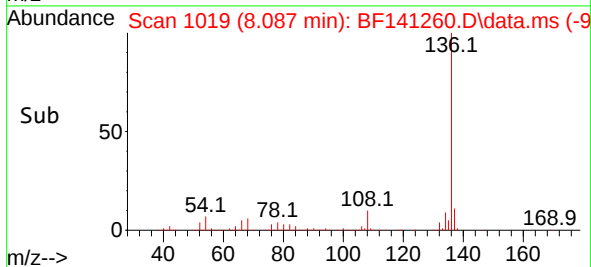
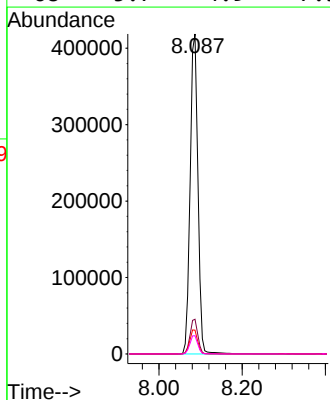
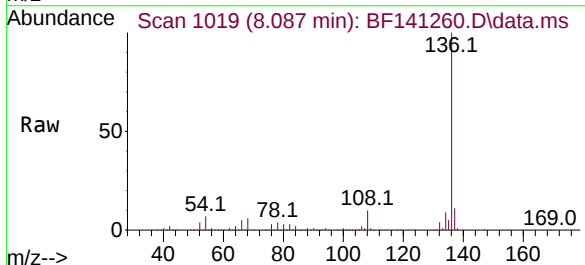
Instrument :
BNA_F
ClientSampleId :
SPILL-SITE

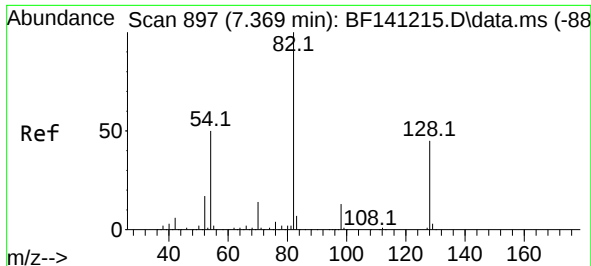
Tgt Ion: 99 Resp: 1015154
Ion Ratio Lower Upper
99 100
42 17.0 15.0 22.4
71 34.1 27.6 41.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.087 min Scan# 1019
Delta R.T. -0.018 min
Lab File: BF141260.D
Acq: 24 Jan 2025 14:16

Tgt Ion: 136 Resp: 545604
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.4 6.3 9.5
68 5.7 4.9 7.3





#23

Nitrobenzene-d5

Concen: 61.960 ng

RT: 7.363 min Scan# 897

Delta R.T. -0.024 min

Lab File: BF141260.D

Acq: 24 Jan 2025 14:16

Instrument :

BNA_F

ClientSampleId :

SPILL-SITE

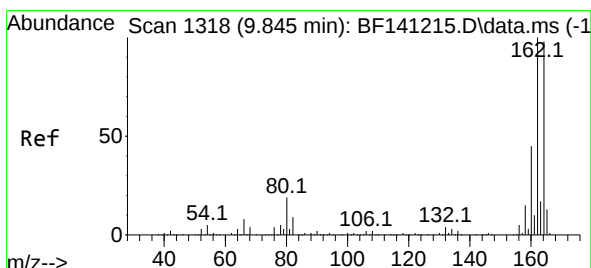
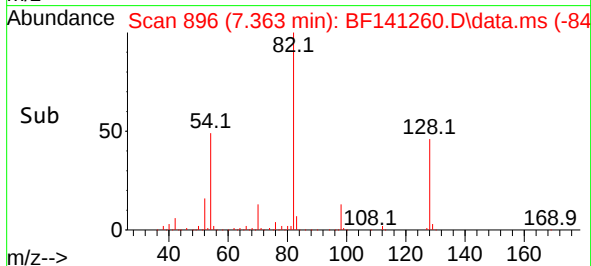
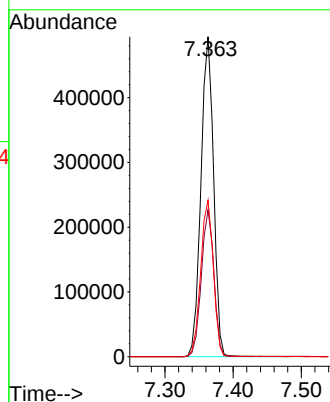
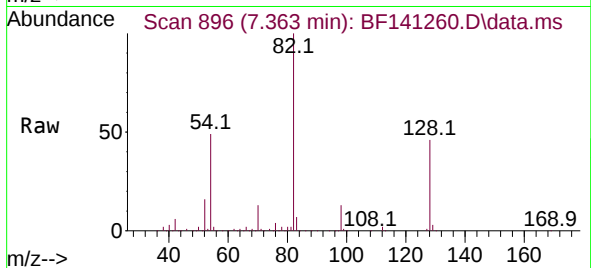
Tgt Ion: 82 Resp: 637743

Ion Ratio Lower Upper

82 100

128 45.9 36.1 54.1

54 48.9 41.0 61.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.839 min Scan# 1317

Delta R.T. -0.024 min

Lab File: BF141260.D

Acq: 24 Jan 2025 14:16

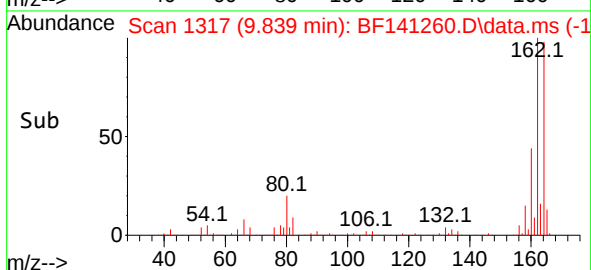
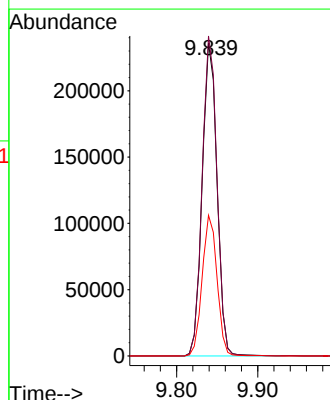
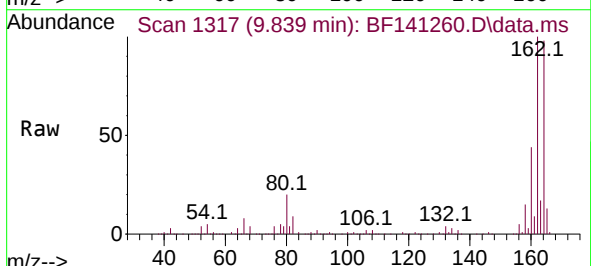
Tgt Ion: 164 Resp: 299306

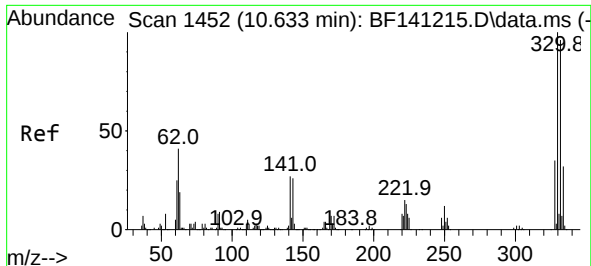
Ion Ratio Lower Upper

164 100

162 102.2 81.0 121.4

160 44.9 36.1 54.1





#42

2,4,6-Tribromophenol

Concen: 106.864 ng

RT: 10.628 min Scan# 1451

Delta R.T. -0.024 min

Lab File: BF141260.D

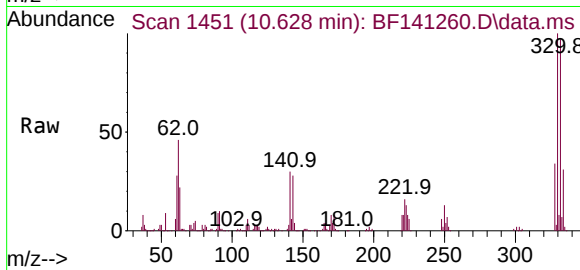
Acq: 24 Jan 2025 14:16

Instrument :

BNA_F

ClientSampleId :

SPILL-SITE



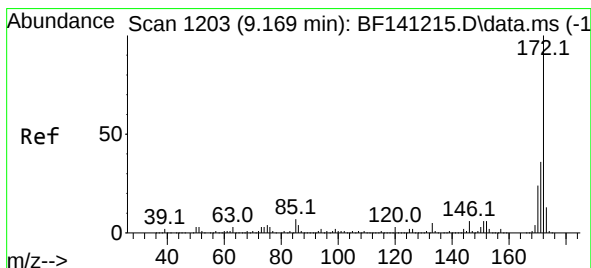
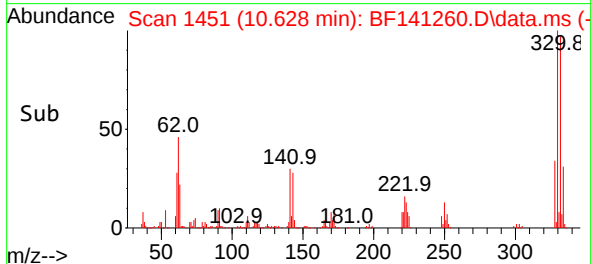
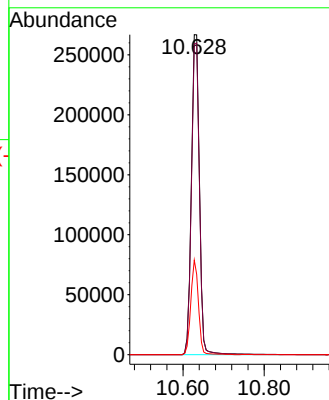
Tgt Ion:330 Resp: 364448

Ion Ratio Lower Upper

330 100

332 96.9 76.9 115.3

141 28.2 25.2 37.8



#45

2-Fluorobiphenyl

Concen: 64.613 ng

RT: 9.163 min Scan# 1202

Delta R.T. -0.018 min

Lab File: BF141260.D

Acq: 24 Jan 2025 14:16

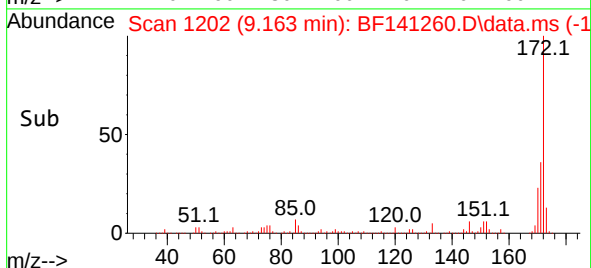
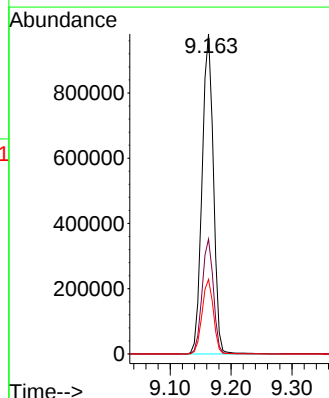
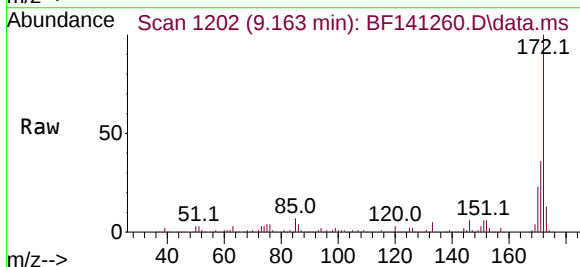
Tgt Ion:172 Resp: 1266447

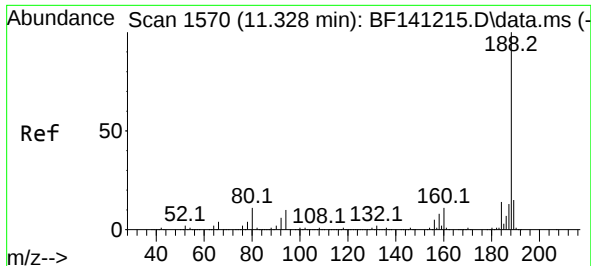
Ion Ratio Lower Upper

172 100

171 35.9 28.7 43.1

170 23.3 19.0 28.6

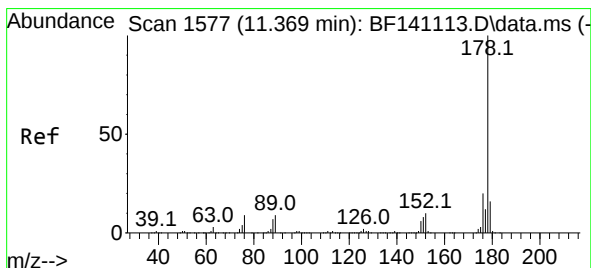
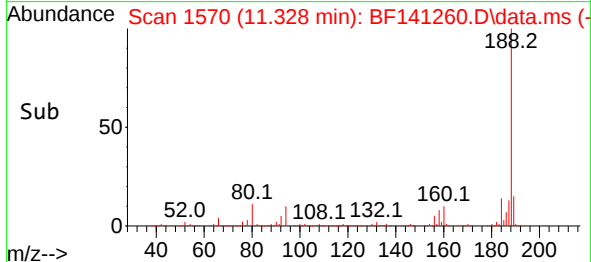
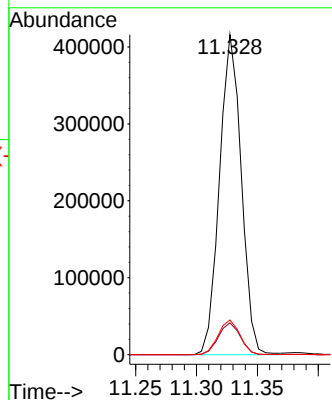
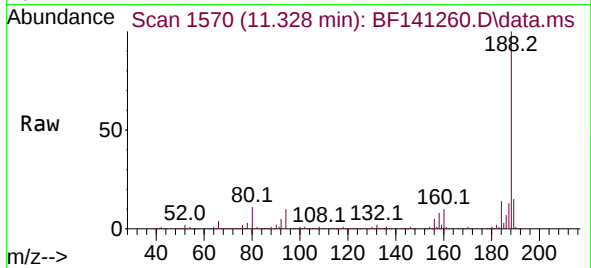




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141260.D
Acq: 24 Jan 2025 14:16

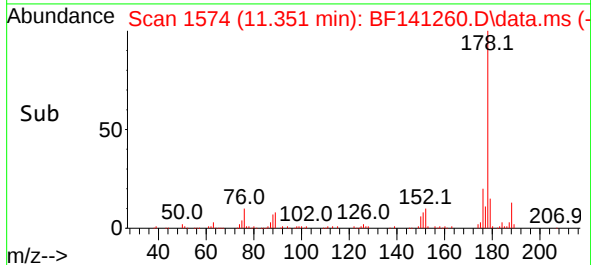
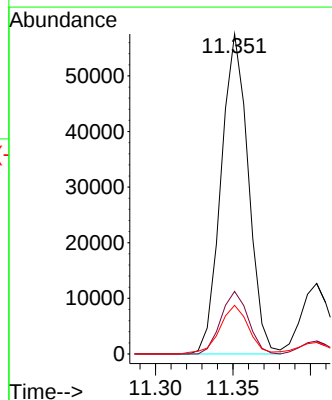
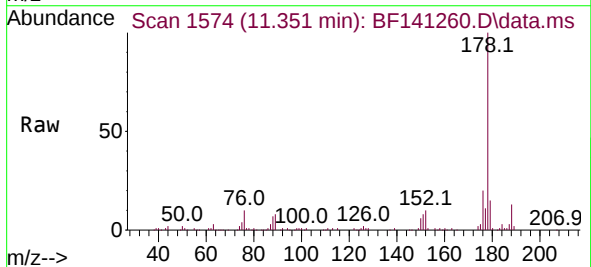
Instrument :
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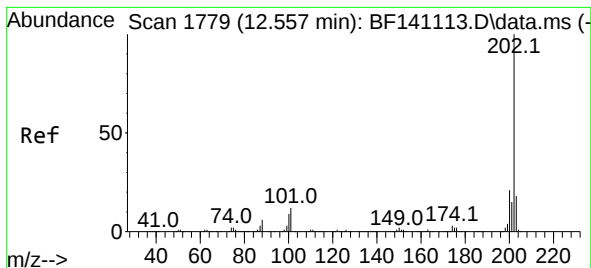
Tgt Ion:188 Resp: 517862
Ion Ratio Lower Upper
188 100
94 10.0 8.3 12.5
80 10.9 9.0 13.4



#71
Phenanthrene
Concen: 2.533 ng
RT: 11.351 min Scan# 1574
Delta R.T. -0.018 min
Lab File: BF141260.D
Acq: 24 Jan 2025 14:16

Tgt Ion:178 Resp: 70410
Ion Ratio Lower Upper
178 100
176 19.6 15.7 23.5
179 15.2 12.6 19.0





#75

Fluoranthene

Concen: 5.779 ng

RT: 12.539 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF141260.D

Acq: 24 Jan 2025 14:16

Instrument :

BNA_F

ClientSampleId :

SPILL-SITE

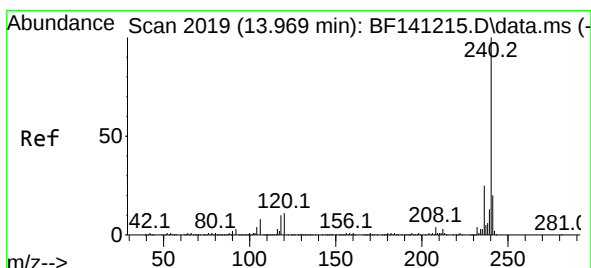
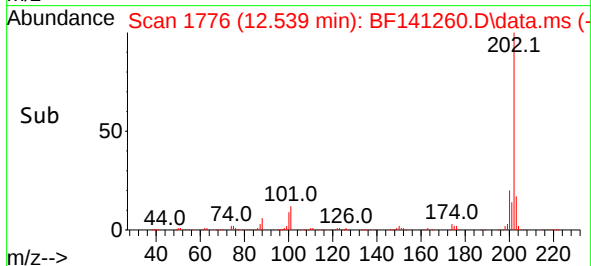
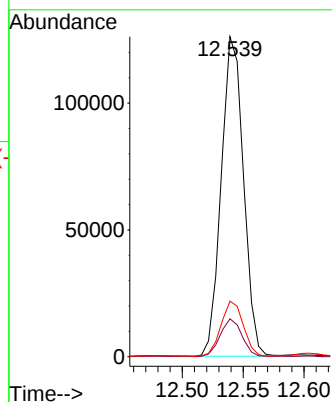
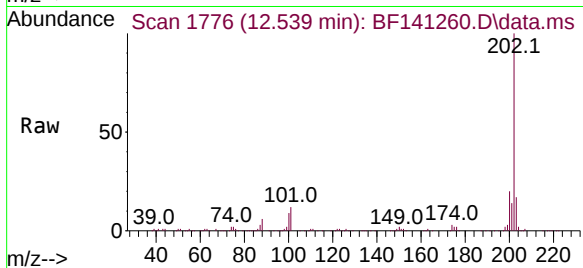
Tgt Ion:202 Resp: 160322

Ion Ratio Lower Upper

202 100

101 11.8 0.0 32.3

203 17.4 0.0 37.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 2020

Delta R.T. -0.012 min

Lab File: BF141260.D

Acq: 24 Jan 2025 14:16

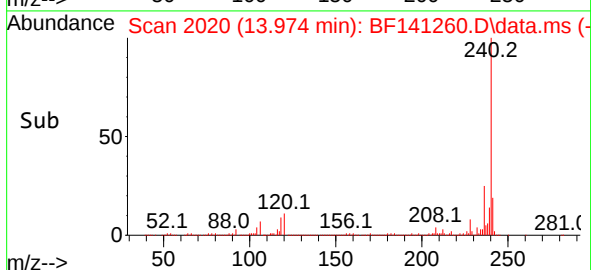
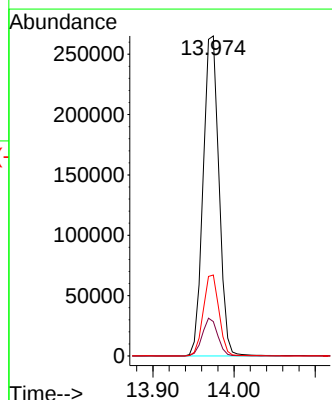
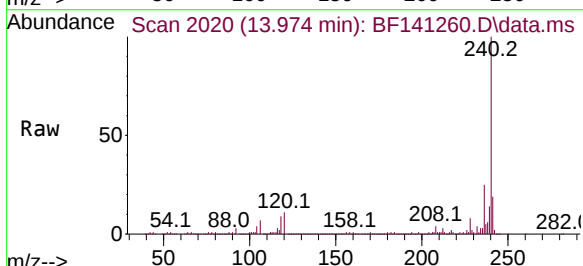
Tgt Ion:240 Resp: 358799

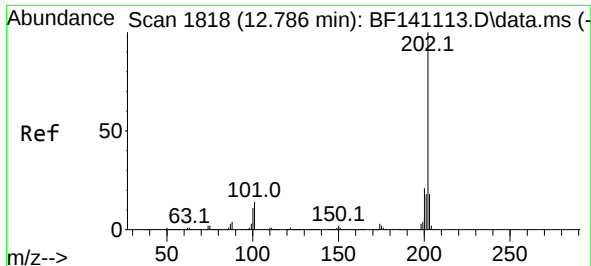
Ion Ratio Lower Upper

240 100

120 10.7 9.1 13.7

236 25.3 19.8 29.6

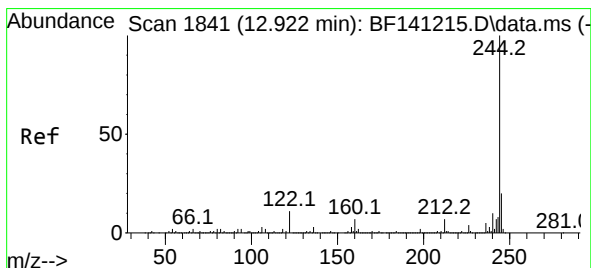
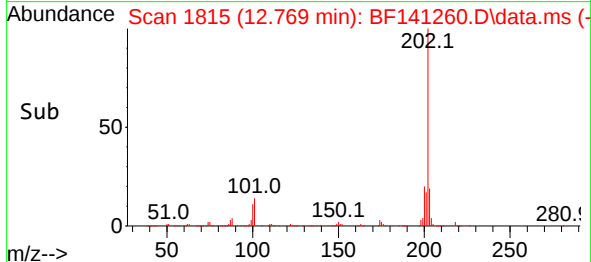
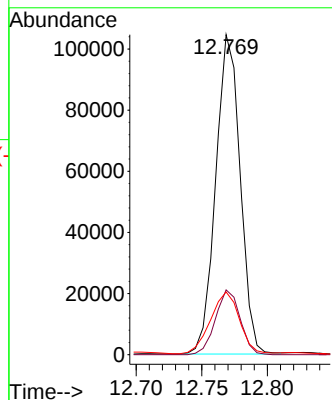
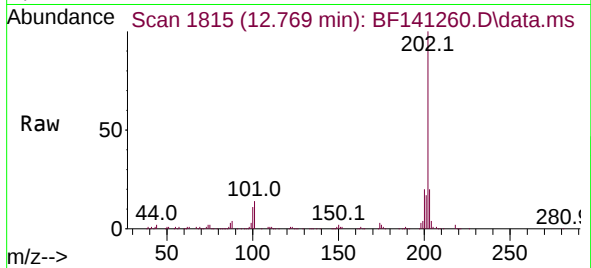




#78
Pyrene
Concen: 3.949 ng
RT: 12.769 min Scan# 1815
Delta R.T. -0.018 min
Lab File: BF141260.D
Acq: 24 Jan 2025 14:16

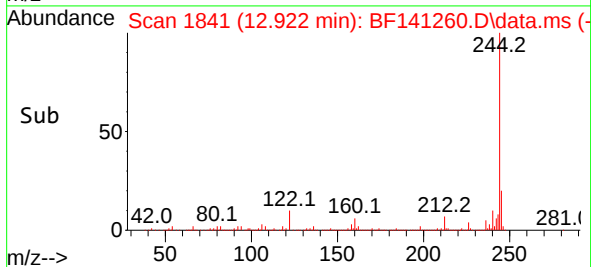
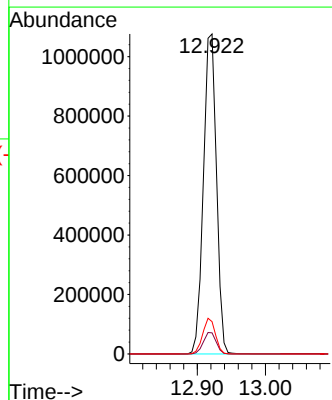
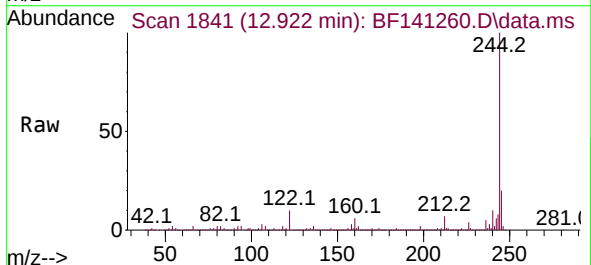
Instrument :
BNA_F
ClientSampleId :
SPILL-SITE

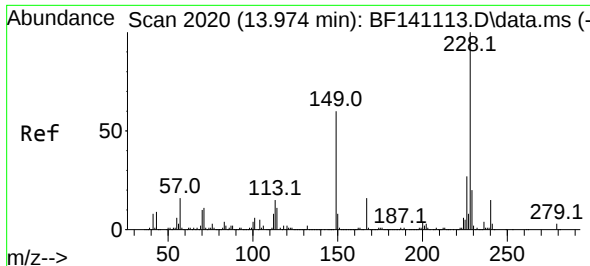
Tgt Ion:202 Resp: 135340
Ion Ratio Lower Upper
202 100
200 20.3 16.8 25.2
203 19.6 14.3 21.5



#79
Terphenyl-d14
Concen: 59.271 ng
RT: 12.922 min Scan# 1841
Delta R.T. -0.012 min
Lab File: BF141260.D
Acq: 24 Jan 2025 14:16

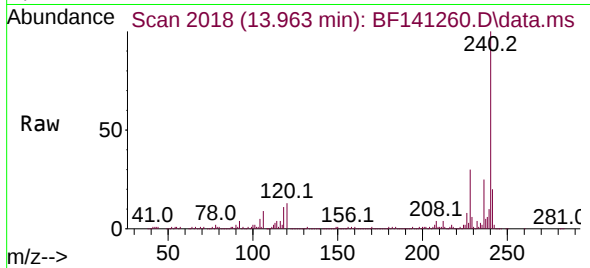
Tgt Ion:244 Resp: 1430816
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.2
122 10.1 8.8 13.2



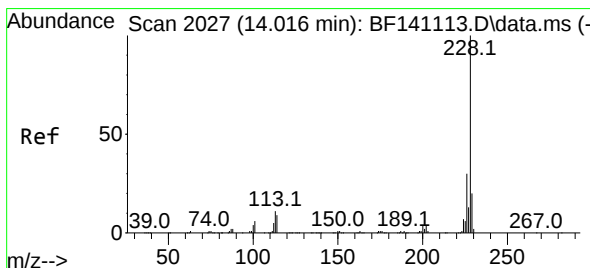
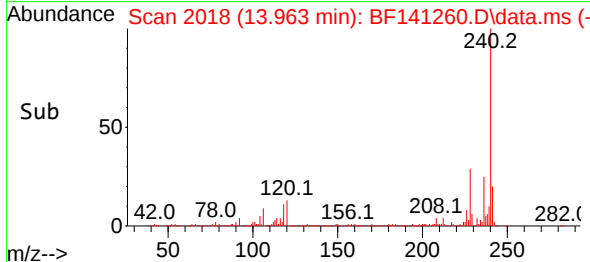
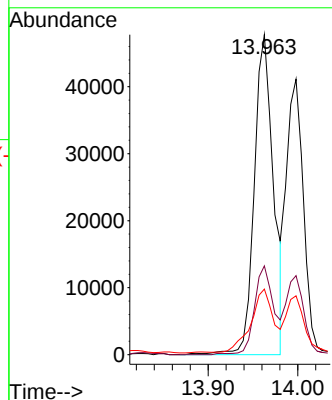


#81
Benzo(a)anthracene
Concen: 2.907 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141260.D
Acq: 24 Jan 2025 14:16

Instrument :
BNA_F
ClientSampleId :
SPILL-SITE

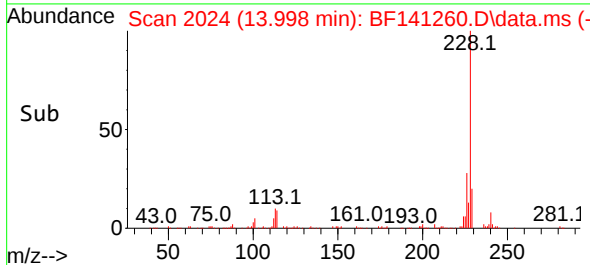
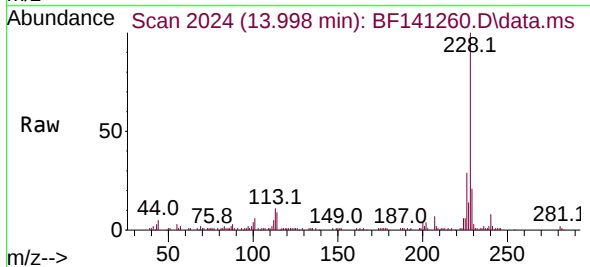
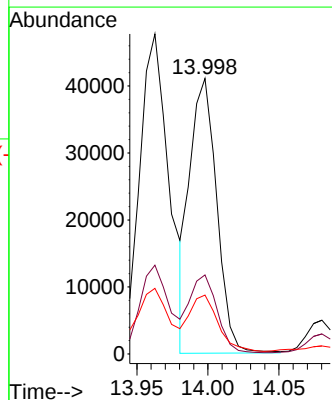


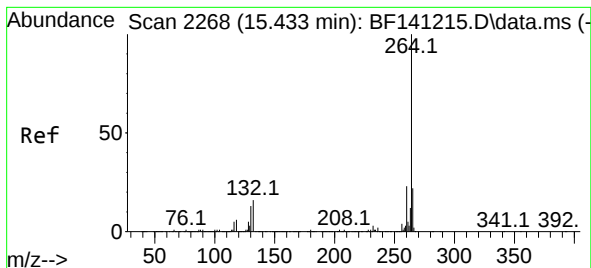
Tgt Ion:228 Resp: 70984
Ion Ratio Lower Upper
228 100
226 27.7 21.7 32.5
229 20.5 15.7 23.5



#83
Chrysene
Concen: 2.362 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.018 min
Lab File: BF141260.D
Acq: 24 Jan 2025 14:16

Tgt Ion:228 Resp: 53974
Ion Ratio Lower Upper
228 100
226 28.7 23.8 35.8
229 21.4 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 2197

Delta R.T. 0.000 min

Lab File: BF141260.D

Acq: 24 Jan 2025 14:16

Instrument :

BNA_F

ClientSampleId :

SPILL-SITE

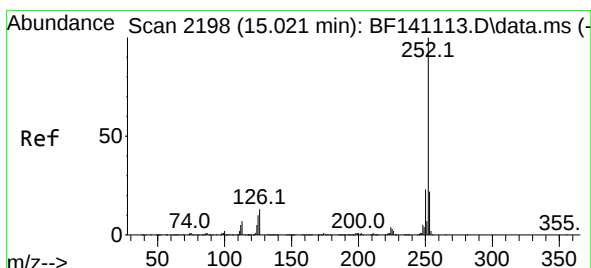
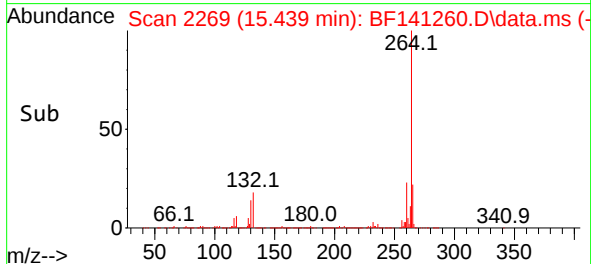
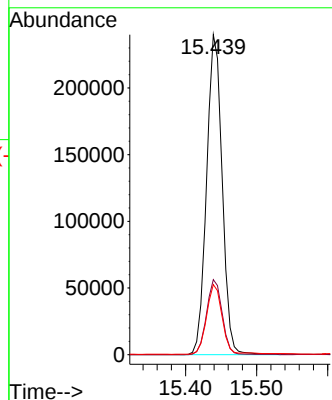
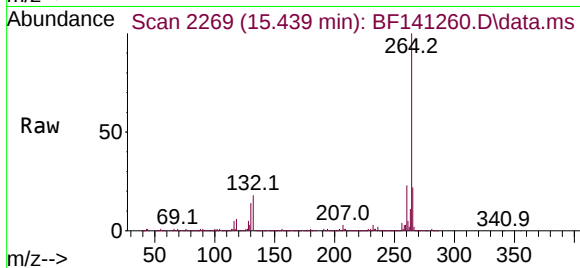
Tgt Ion:264 Resp: 366548

Ion Ratio Lower Upper

264 100

260 23.5 18.6 28.0

265 21.9 17.4 26.0



#88

Benzo(b)fluoranthene

Concen: 2.950 ng m

RT: 15.015 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF141260.D

Acq: 24 Jan 2025 14:16

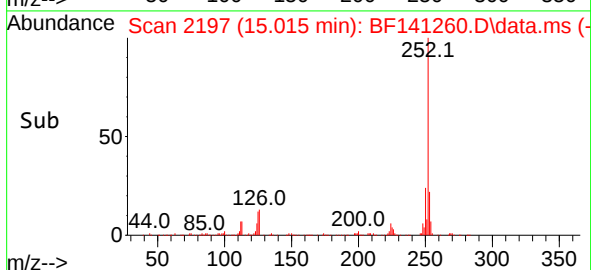
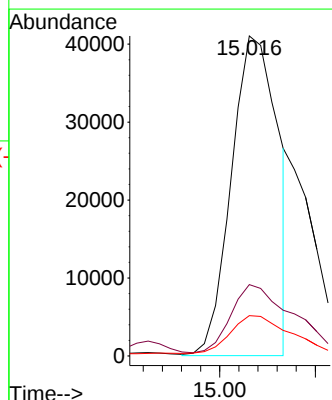
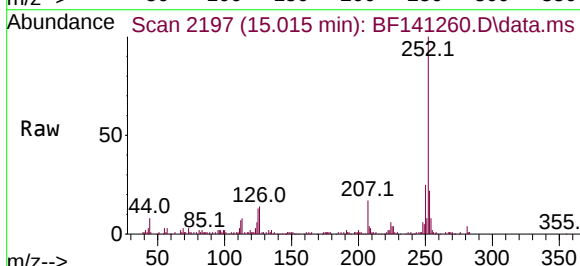
Tgt Ion:252 Resp: 69722

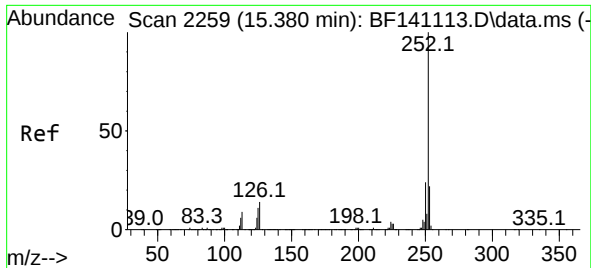
Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.6

125 12.6 8.1 12.1#





#90
 Benzo(a)pyrene
 Concen: 2.321 ng
 RT: 15.374 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF141260.D
 Acq: 24 Jan 2025 14:16

Instrument :
 BNA_F
 ClientSampleId :
 SPILL-SITE

Tgt Ion:252 Resp: 45256
 Ion Ratio Lower Upper
 252 100
 253 23.6 17.7 26.5
 125 13.6 9.1 13.7

