

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
 Data File : BF143448.D
 Acq On : 19 Aug 2025 11:06
 Operator : RC/JU
 Sample : Q2873-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DRILL CUTTING 1-3 COMP

Quant Time: Aug 19 12:04:04 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 18 04:40:19 2025
 Response via : Initial Calibration

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

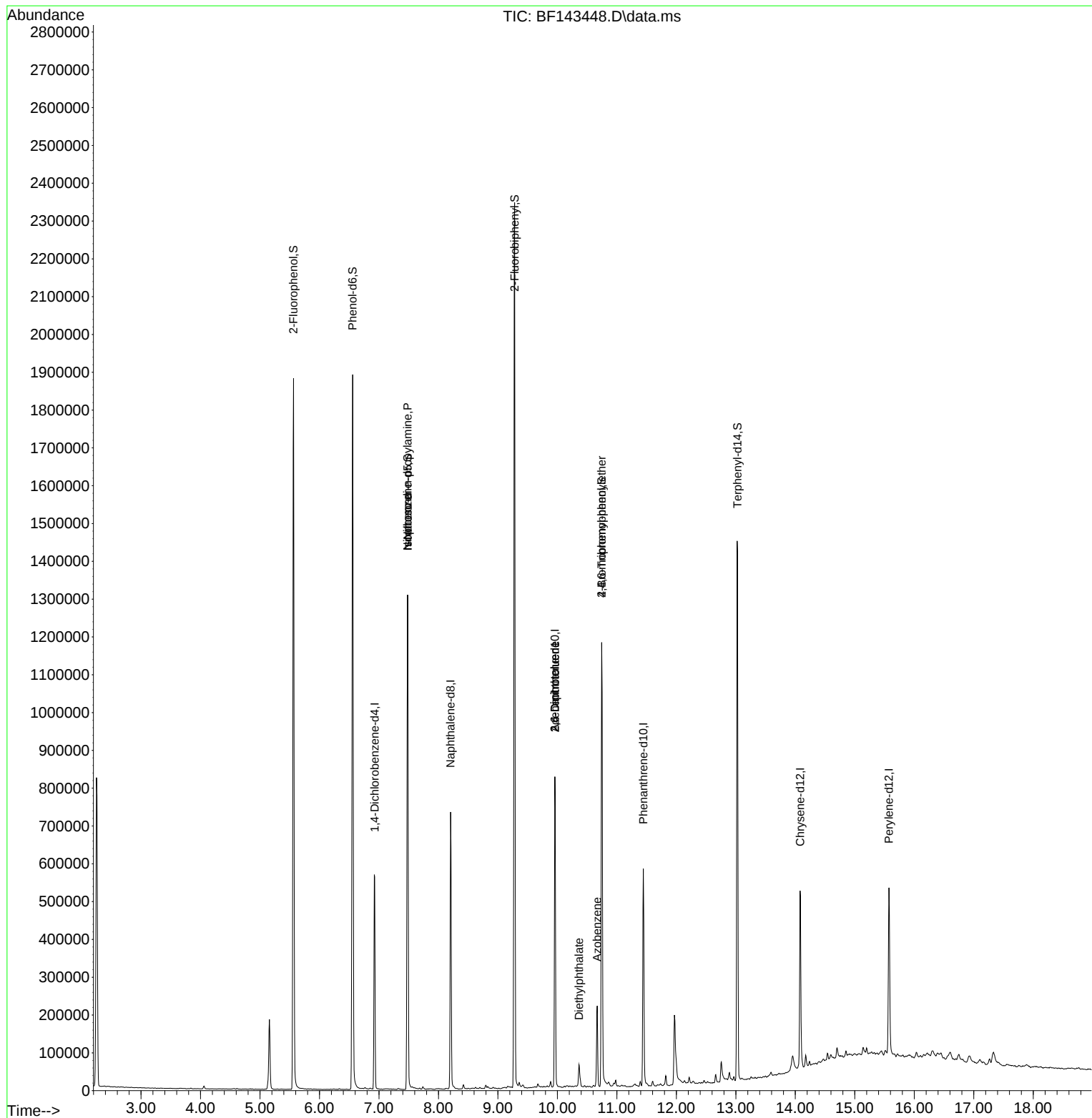
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	121418	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	455603	20.000	ng	0.00
39) Acenaphthene-d10	9.957	164	246737	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	297054	20.000	ng	0.00
76) Chrysene-d12	14.080	240	241401	20.000	ng	0.00
86) Perylene-d12	15.574	264	268473	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	694487	99.429	ng	0.00
7) Phenol-d6	6.557	99	869879	98.823	ng	0.00
23) Nitrobenzene-d5	7.481	82	565430	73.643	ng	0.00
42) 2,4,6-Tribromophenol	10.745	330	208886	95.115	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	1060437	72.289	ng	0.00
79) Terphenyl-d14	13.027	244	714638	49.730	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	77923	14.299	ng	# 76
25) Isophorone	7.481	82	560604	38.149	ng	# 65
51) 2,6-Dinitrotoluene	9.957	165	31159	10.275	ng	# 24
57) 2,4-Dinitrotoluene	9.957	165	31159	7.707	ng	# 24
60) Diethylphthalate	10.363	149	36389	2.560	ng	99
63) Azobenzene	10.669	77	50459	3.512	ng	# 1
67) 4-Bromophenyl-phenylether	10.745	248	14042	4.003	ng	# 1

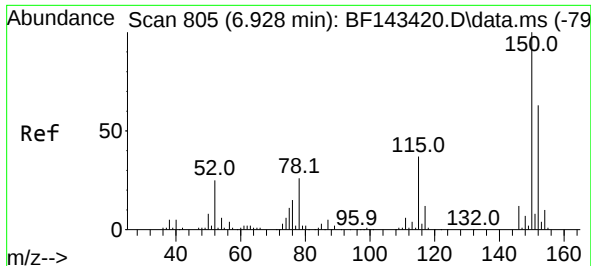
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081925\
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DRILL CUTTING 1-3 COMP

Quant Time: Aug 19 12:04:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

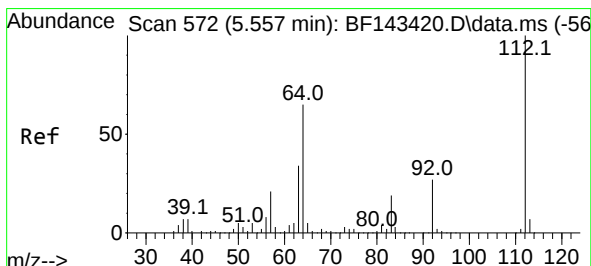
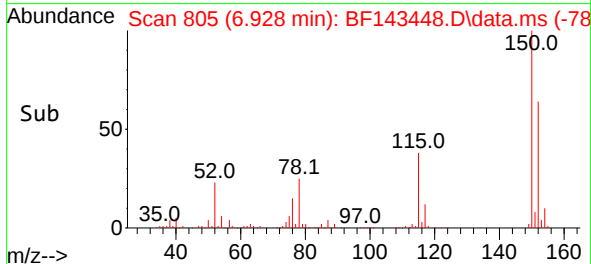
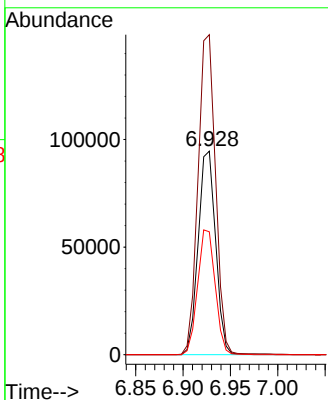
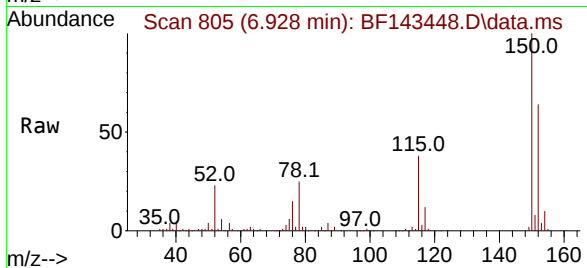




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143448.D
Acq: 19 Aug 2025 11:06

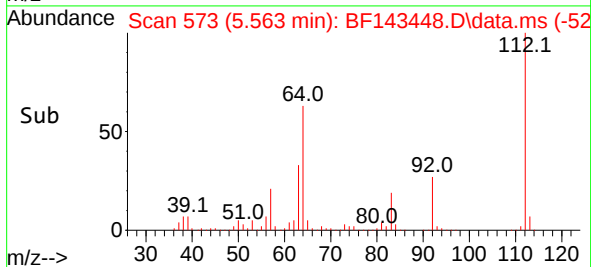
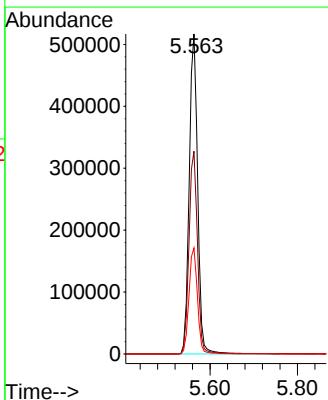
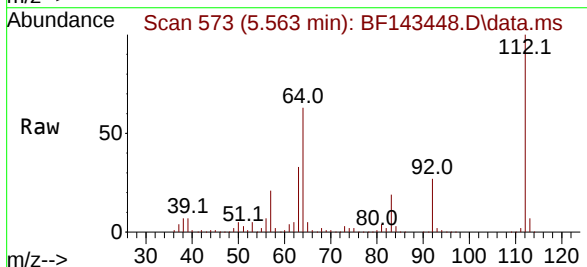
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMP

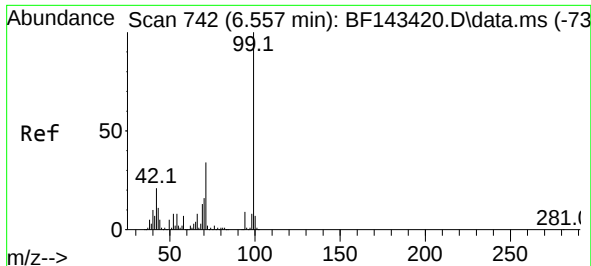
Tgt Ion:152 Resp: 121418
Ion Ratio Lower Upper
152 100
150 157.2 127.4 191.2
115 60.3 47.5 71.3



#5
2-Fluorophenol
Concen: 99.429 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.006 min
Lab File: BF143448.D
Acq: 19 Aug 2025 11:06

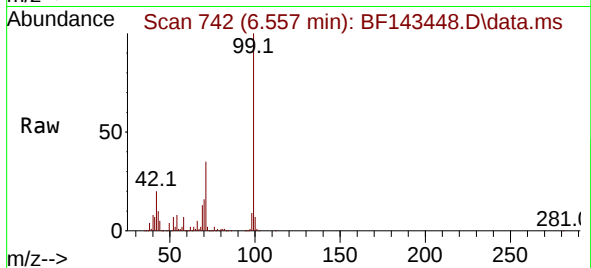
Tgt Ion:112 Resp: 694487
Ion Ratio Lower Upper
112 100
64 63.3 52.2 78.2
63 33.1 27.0 40.6



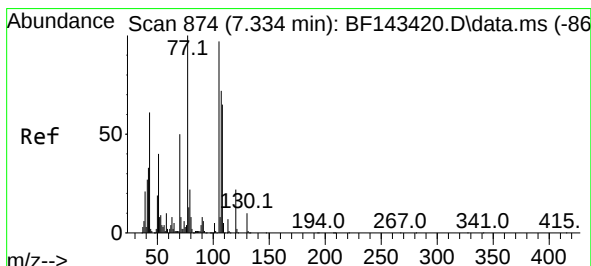
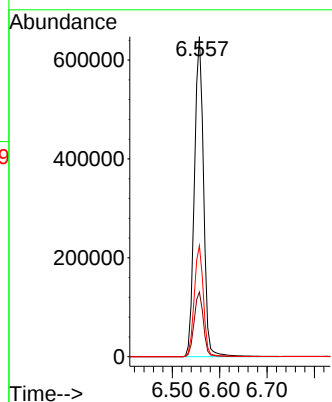
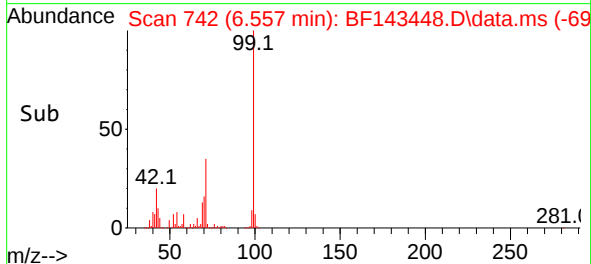


#7
Phenol-d6
Concen: 98.823 ng
RT: 6.557 min Scan# 742
Delta R.T. -0.000 min
Lab File: BF143448.D
Acq: 19 Aug 2025 11:06

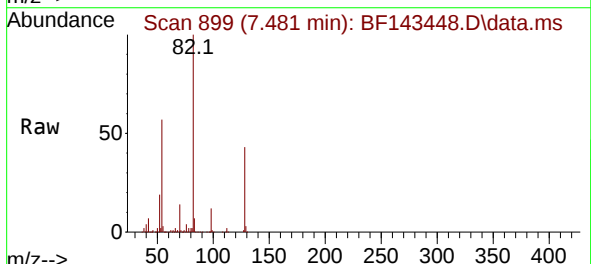
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMP



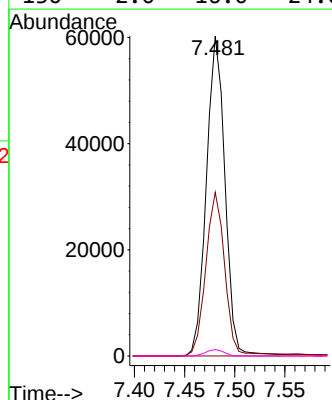
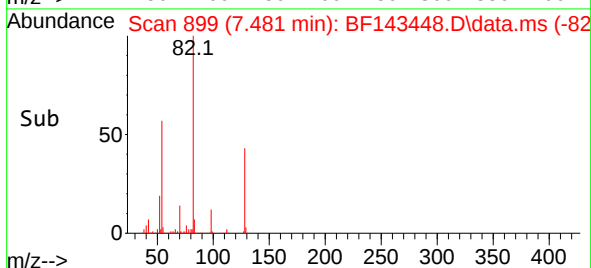
Tgt Ion: 99 Resp: 869879
Ion Ratio Lower Upper
99 100
42 20.2 17.0 25.6
71 34.7 27.4 41.2

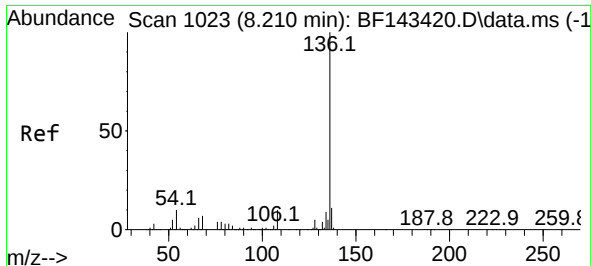


#19
n-Nitroso-di-n-propylamine
Concen: 14.299 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.147 min
Lab File: BF143448.D
Acq: 19 Aug 2025 11:06



Tgt Ion: 70 Resp: 77923
Ion Ratio Lower Upper
70 100
42 51.1 52.5 78.7#
101 0.0 7.9 11.9#
130 2.0 16.0 24.0#

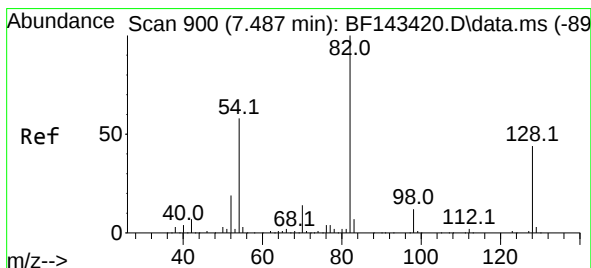
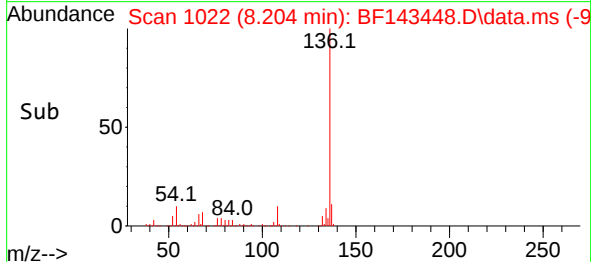
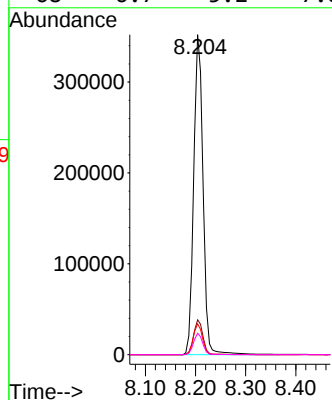
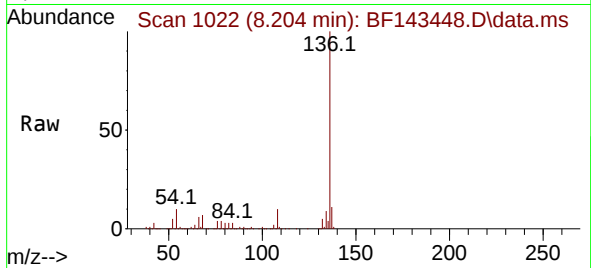




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF143448.D
Acq: 19 Aug 2025 11:06

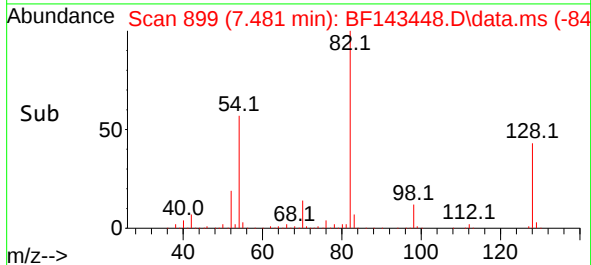
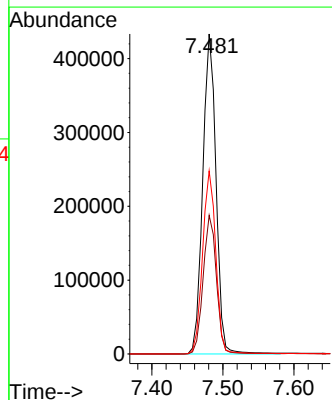
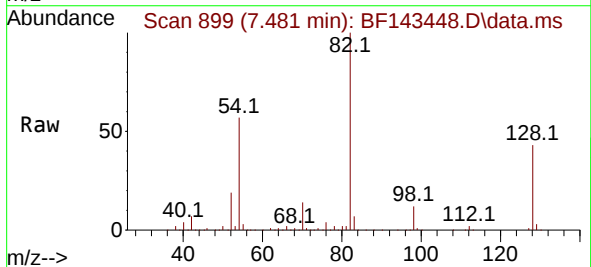
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMP

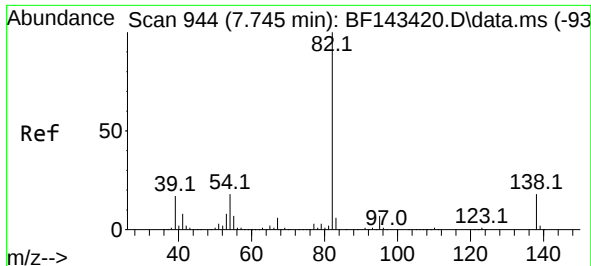
Tgt	Ion:136	Resp:	455603
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	9.7	7.8	11.8
68	6.7	5.2	7.8



#23
Nitrobenzene-d5
Concen: 73.643 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF143448.D
Acq: 19 Aug 2025 11:06

Tgt Ion: 82	Resp: 565430
Ion Ratio	Lower Upper
82 100	
128 43.3	34.6 52.0
54 57.2	46.0 69.0

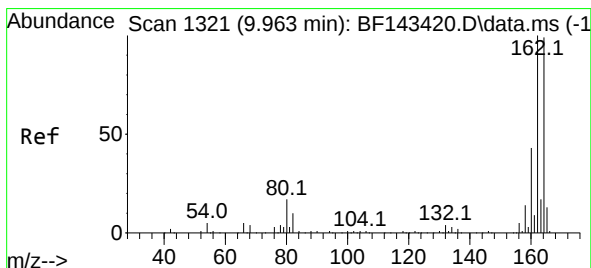
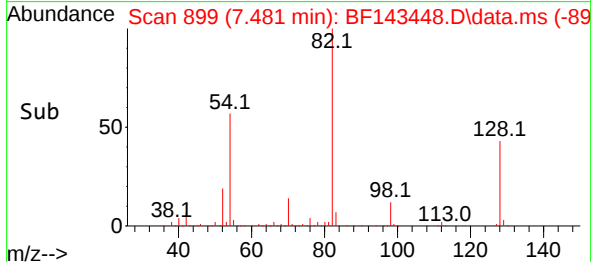
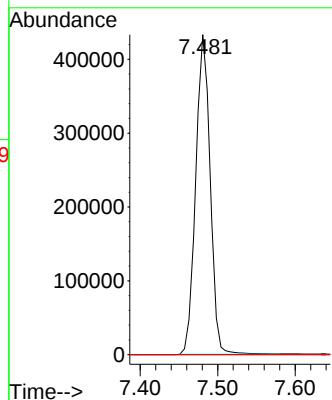
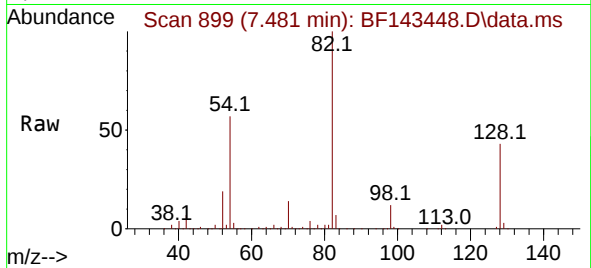




#25
Isophorone
Concen: 38.149 ng
RT: 7.481 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF143448.D
Acq: 19 Aug 2025 11:06

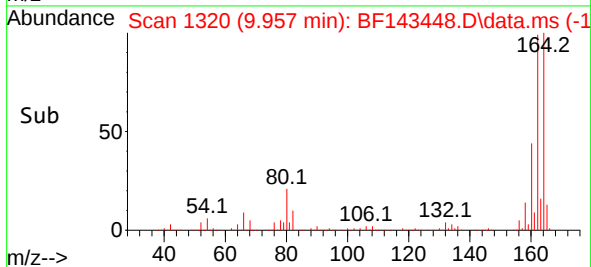
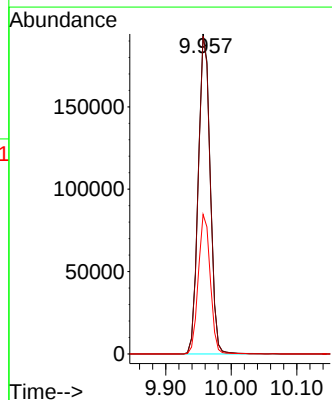
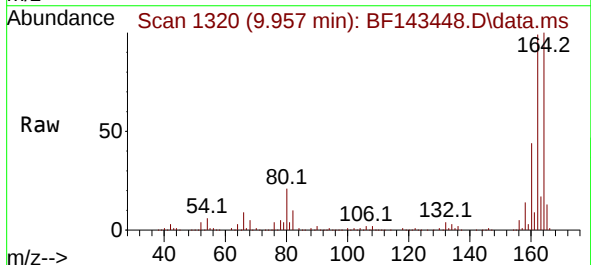
Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMP

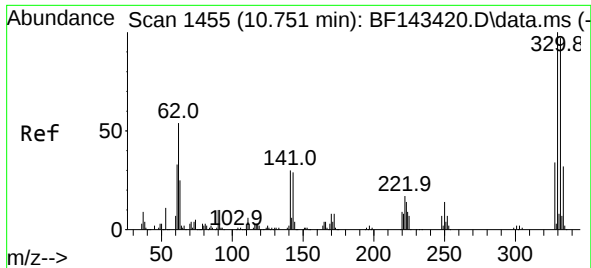
Tgt Ion: 82 Resp: 560604
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.3 21.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143448.D
Acq: 19 Aug 2025 11:06

Tgt Ion:164 Resp: 246737
Ion Ratio Lower Upper
164 100
162 99.3 80.6 121.0
160 43.6 34.6 51.8





#42

2,4,6-Tribromophenol

Concen: 95.115 ng

RT: 10.745 min Scan# 1455

Delta R.T. -0.006 min

Lab File: BF143448.D

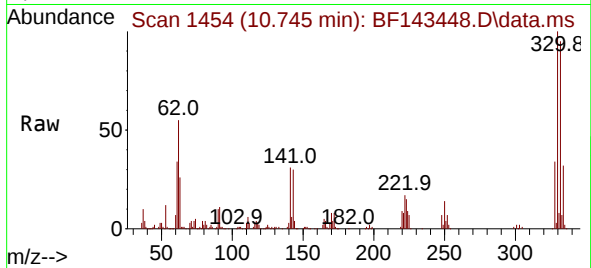
Acq: 19 Aug 2025 11:06

Instrument :

BNA_F

ClientSampleId :

DRILL CUTTING 1-3 COMP



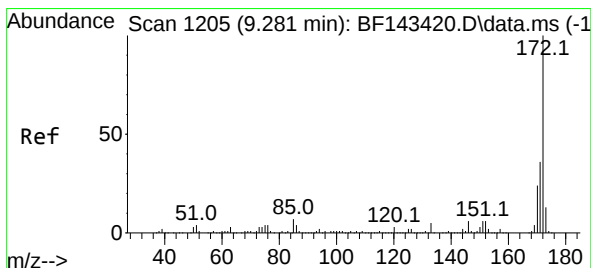
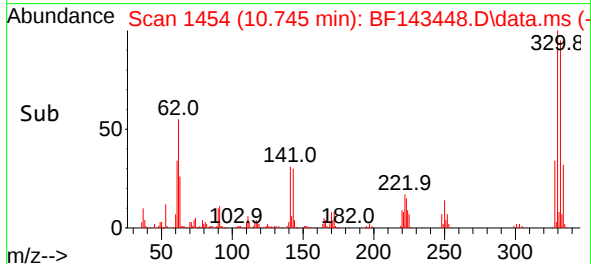
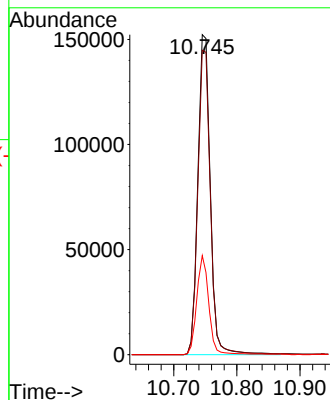
Tgt Ion:330 Resp: 208886

Ion Ratio Lower Upper

330 100

332 96.0 77.4 116.2

141 30.1 24.1 36.1



#45

2-Fluorobiphenyl

Concen: 72.289 ng

RT: 9.280 min Scan# 1205

Delta R.T. -0.000 min

Lab File: BF143448.D

Acq: 19 Aug 2025 11:06

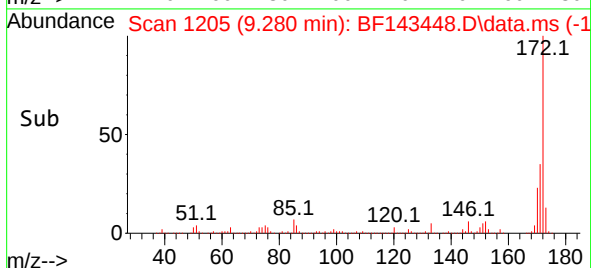
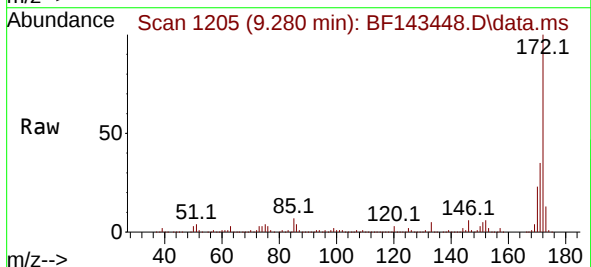
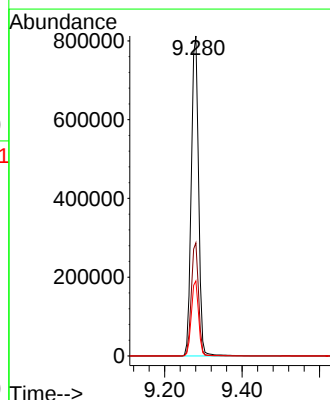
Tgt Ion:172 Resp: 1060437

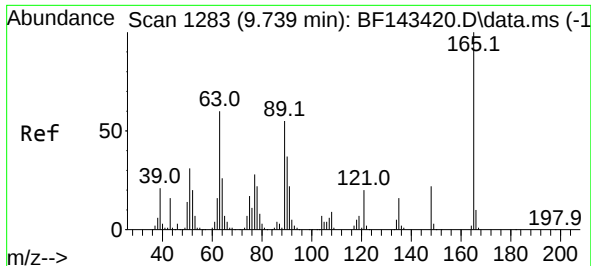
Ion Ratio Lower Upper

172 100

171 35.3 28.7 43.1

170 23.5 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 10.275 ng

RT: 9.957 min Scan# 1

Delta R.T. 0.217 min

Lab File: BF143448.D

Acq: 19 Aug 2025 11:06

Instrument :

BNA_F

ClientSampleId :

DRILL CUTTING 1-3 COMP

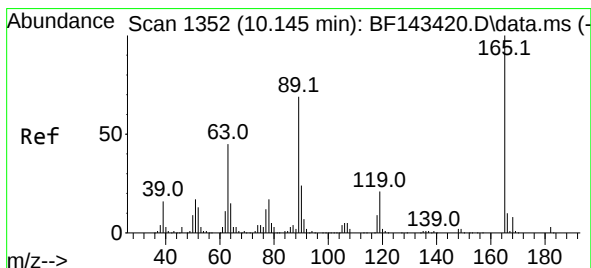
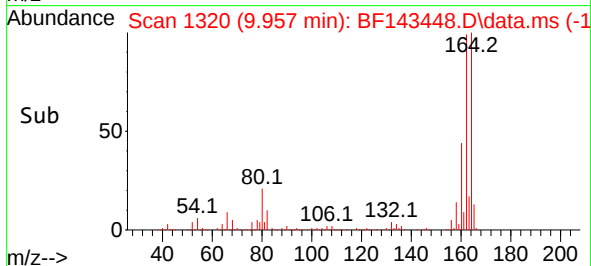
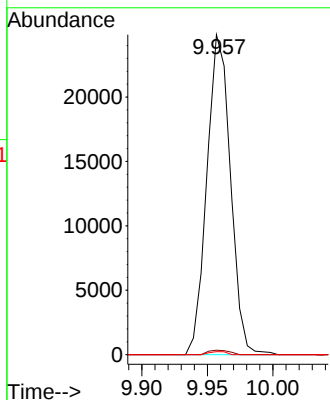
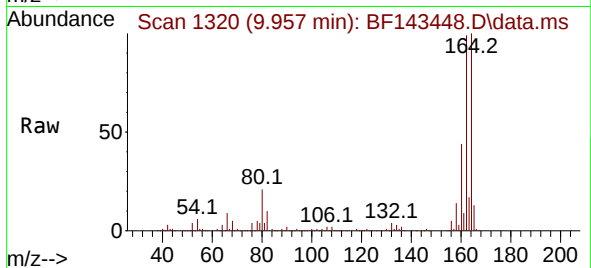
Tgt Ion:165 Resp: 31159

Ion Ratio Lower Upper

165 100

63 1.4 48.2 72.2#

89 1.0 44.2 66.2#



#57

2,4-Dinitrotoluene

Concen: 7.707 ng

RT: 9.957 min Scan# 1320

Delta R.T. -0.188 min

Lab File: BF143448.D

Acq: 19 Aug 2025 11:06

Tgt Ion:165 Resp: 31159

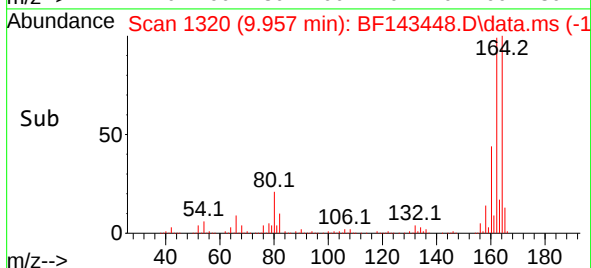
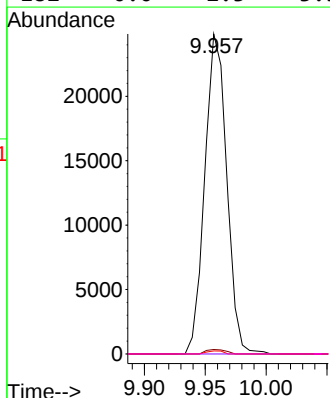
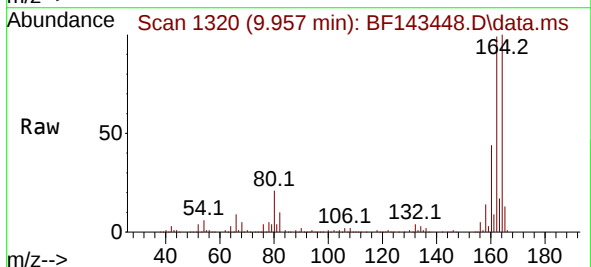
Ion Ratio Lower Upper

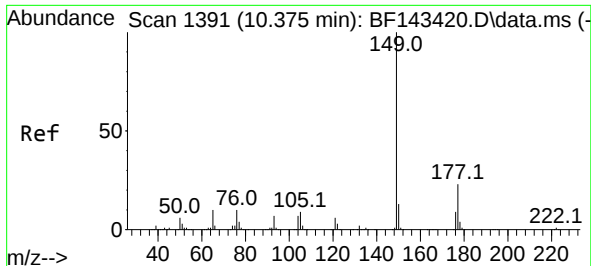
165 100

63 1.4 37.0 55.6#

89 1.0 55.4 83.0#

182 0.0 2.3 3.5#

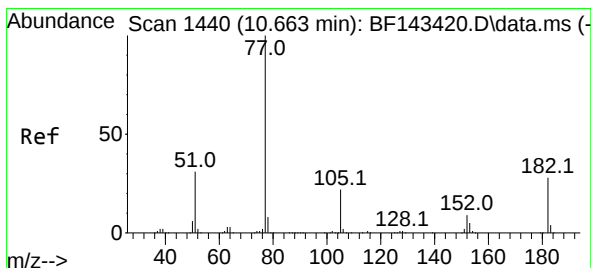
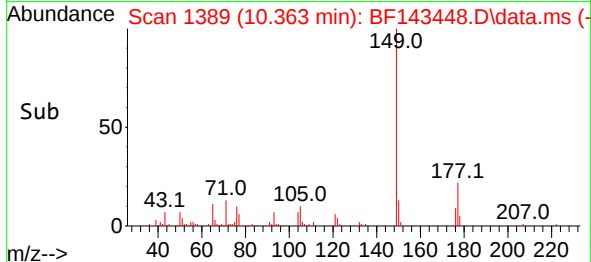
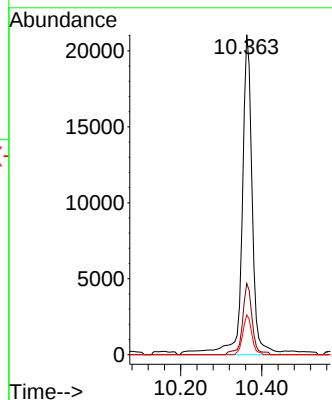
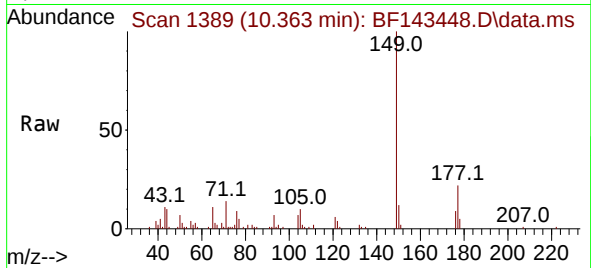




#60
Diethylphthalate
Concen: 2.560 ng
RT: 10.363 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143448.D
Acq: 19 Aug 2025 11:06

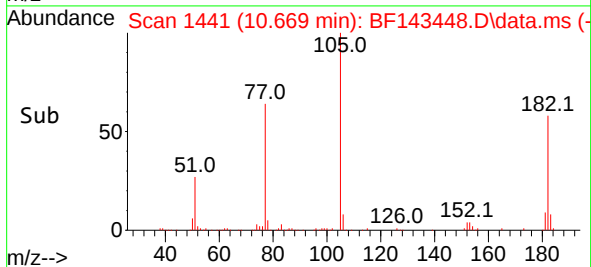
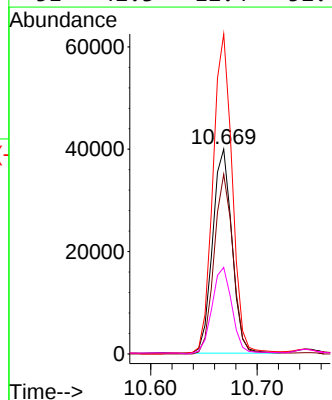
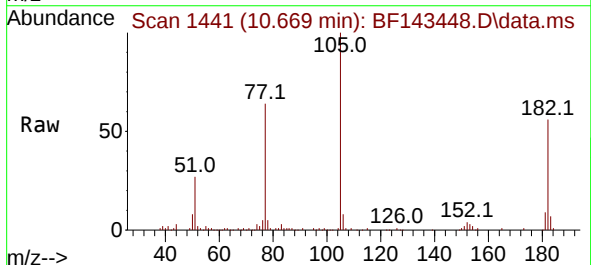
Instrument :
BNA_F
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DRILL CUTTING 1-3 COMP

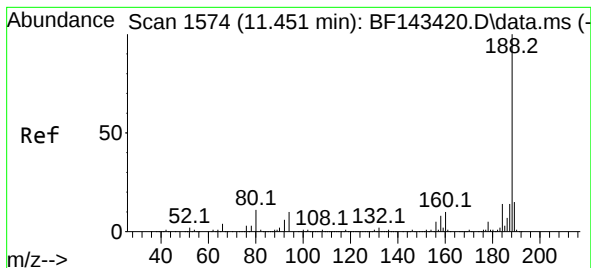
Tgt Ion:149 Resp: 36389
Ion Ratio Lower Upper
149 100
177 22.2 18.2 27.4
150 12.4 10.1 15.1



#63
Azobenzene
Concen: 3.512 ng
RT: 10.669 min Scan# 1441
Delta R.T. 0.006 min
Lab File: BF143448.D
Acq: 19 Aug 2025 11:06

Tgt Ion: 77 Resp: 50459
Ion Ratio Lower Upper
77 100
182 87.8 7.4 47.4#
105 156.3 1.7 41.7#
51 42.3 12.4 52.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.445 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143448.D

Acq: 19 Aug 2025 11:06

Instrument :

BNA_F

ClientSampleId :

DRILL CUTTING 1-3 COMP

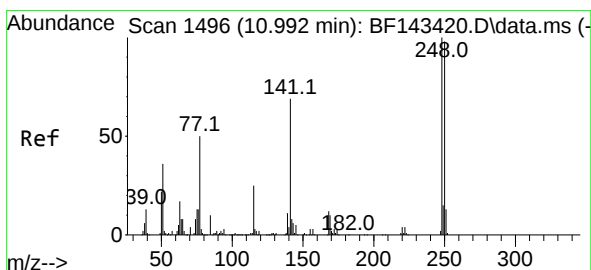
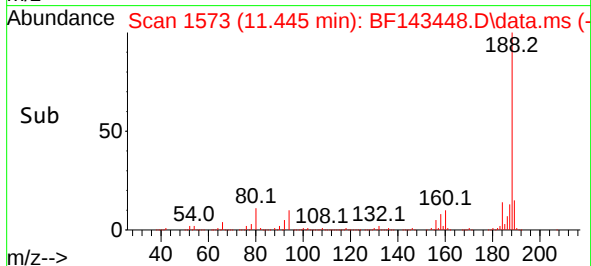
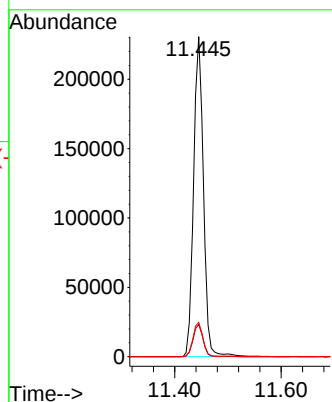
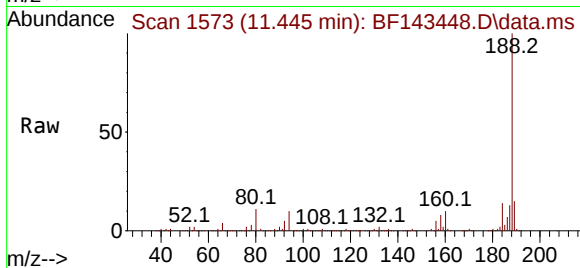
Tgt Ion:188 Resp: 297054

Ion Ratio Lower Upper

188 100

94 10.1 8.0 12.0

80 10.8 8.6 12.8



#67

4-Bromophenyl-phenylether

Concen: 4.003 ng

RT: 10.745 min Scan# 1454

Delta R.T. -0.247 min

Lab File: BF143448.D

Acq: 19 Aug 2025 11:06

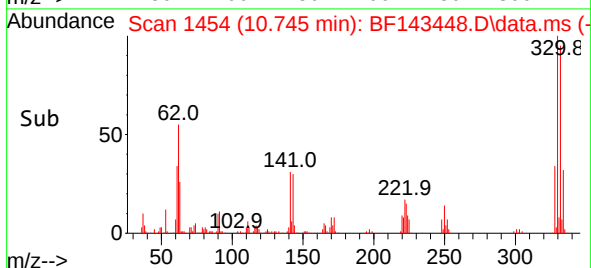
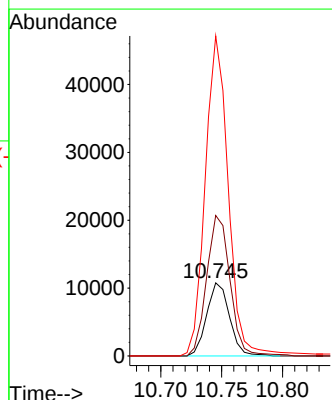
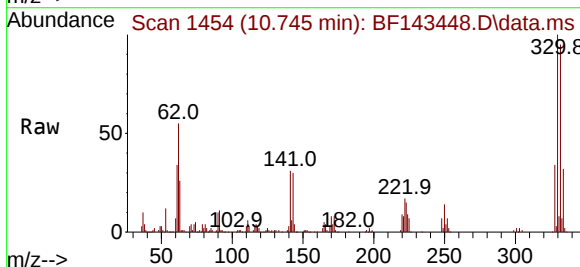
Tgt Ion:248 Resp: 14042

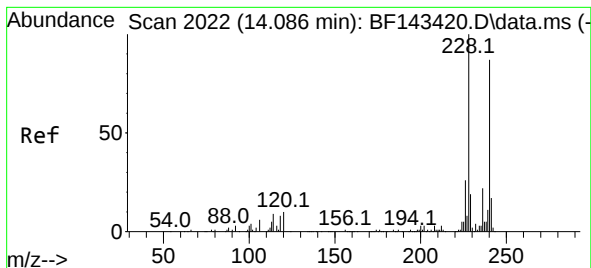
Ion Ratio Lower Upper

248 100

250 192.3 78.6 118.0#

141 438.1 54.9 82.3#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.080 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143448.D

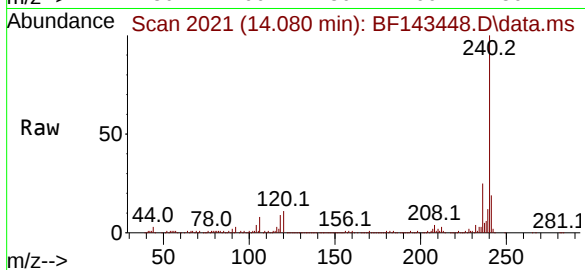
Acq: 19 Aug 2025 11:06

Instrument :

BNA_F

ClientSampleId :

DRILL CUTTING 1-3 COMP



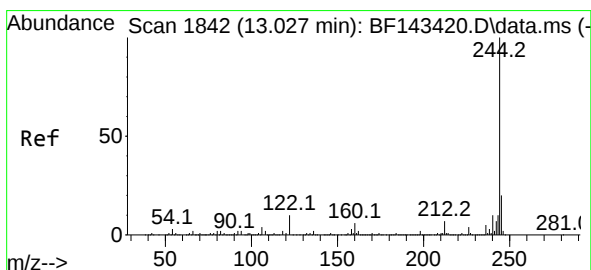
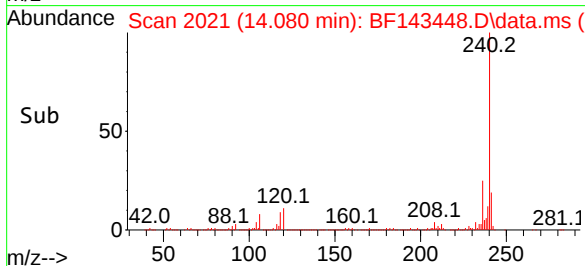
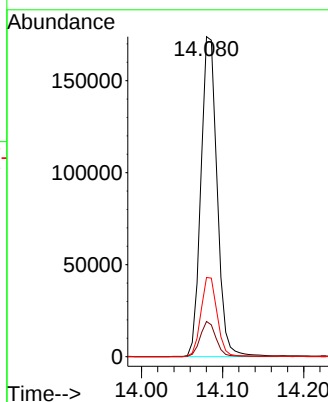
Tgt Ion:240 Resp: 241401

Ion Ratio Lower Upper

240 100

120 11.0 9.0 13.4

236 24.8 20.2 30.2



#79

Terphenyl-d14

Concen: 49.730 ng

RT: 13.027 min Scan# 1842

Delta R.T. -0.000 min

Lab File: BF143448.D

Acq: 19 Aug 2025 11:06

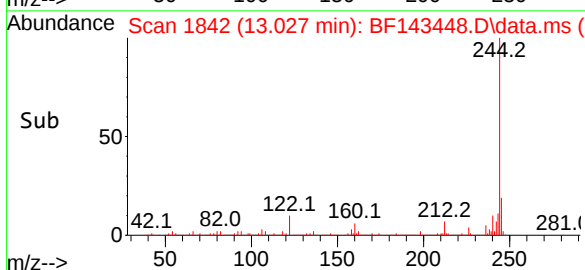
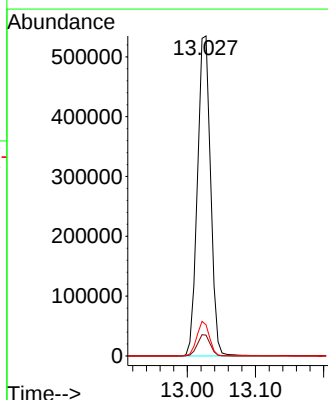
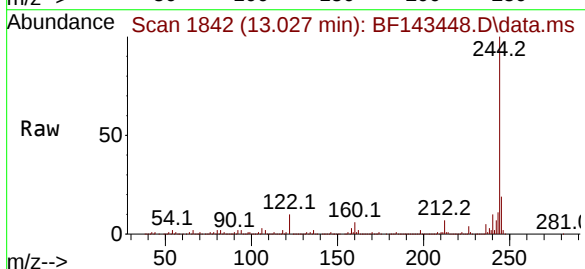
Tgt Ion:244 Resp: 714638

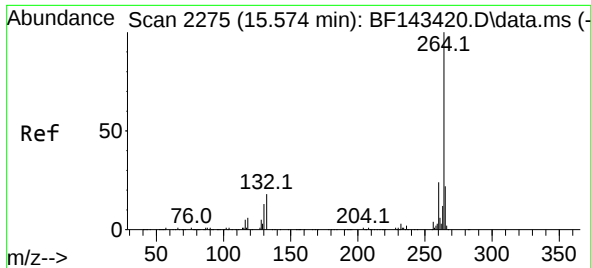
Ion Ratio Lower Upper

244 100

212 6.5 5.2 7.8

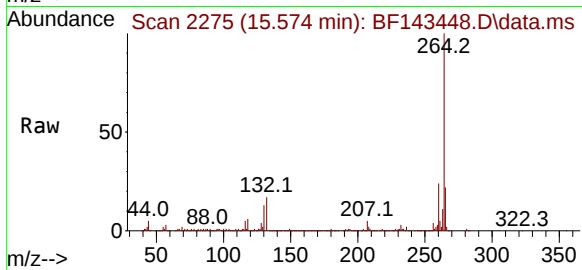
122 9.8 8.3 12.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF143448.D
Acq: 19 Aug 2025 11:06

Instrument :
BNA_F
ClientSampleId :
DRILL CUTTING 1-3 COMP



Tgt Ion:264 Resp: 268473

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.8	28.2
265	21.6	17.4	26.0

