

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141358.D
 Acq On : 01 Feb 2025 03:11
 Operator : RC/JU
 Sample : Q1244-01 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-01302025

Quant Time: Feb 01 03:51:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

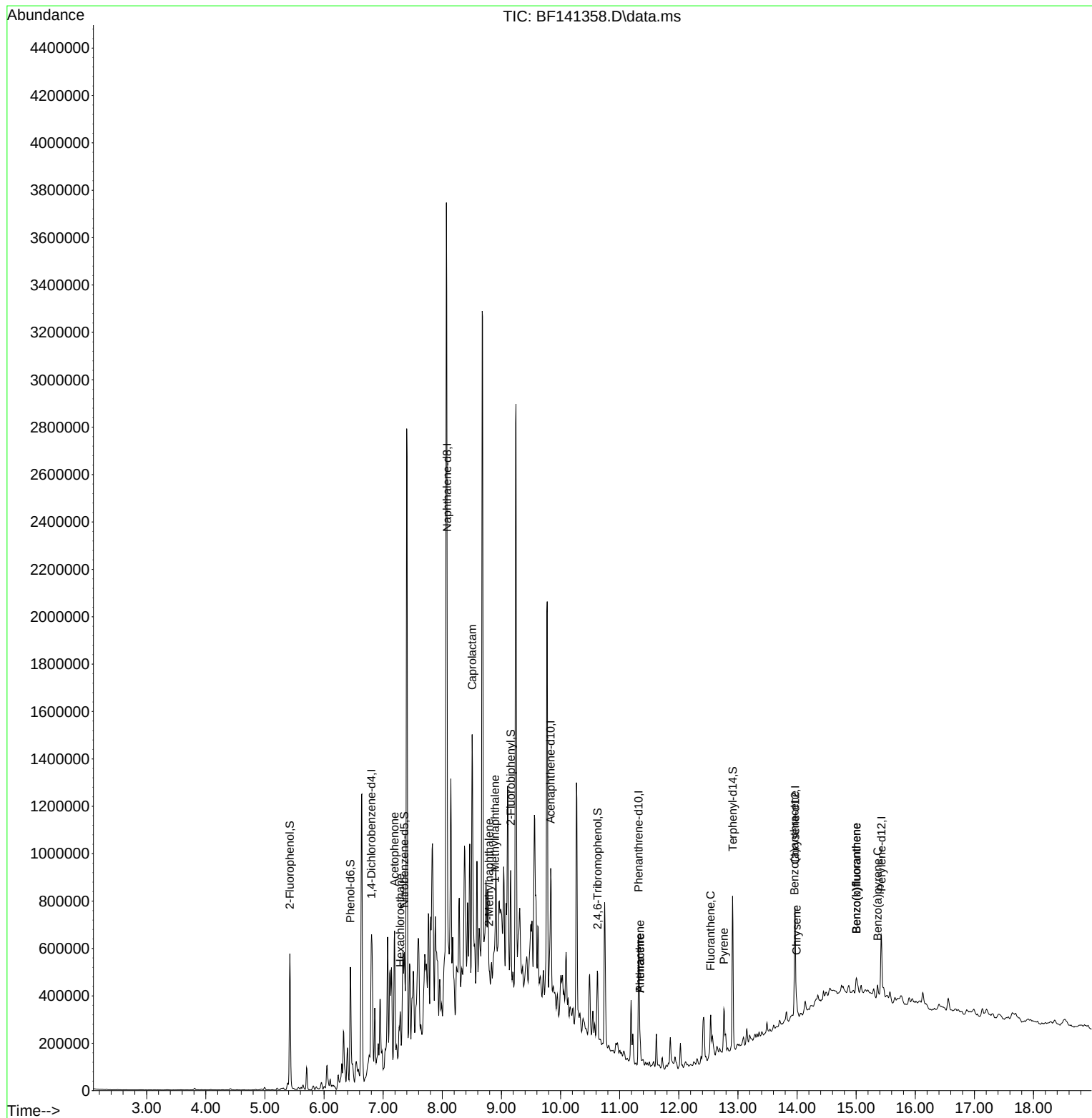
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	91628	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	278006	20.000	ng	# 0.00
39) Acenaphthene-d10	9.834	164	142544	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	272298	20.000	ng	0.00
76) Chrysene-d12	13.969	240	206377	20.000	ng	0.00
86) Perylene-d12	15.427	264	160662	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	222872	37.342	ng	0.01
7) Phenol-d6	6.446	99	246752	32.499	ng	0.00
23) Nitrobenzene-d5	7.357	82	148009	28.066	ng	-0.01
42) 2,4,6-Tribromophenol	10.628	330	47889	36.646	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	214600	23.173	ng	0.00
79) Terphenyl-d14	12.910	244	310724	23.219	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	7.287	117	13424	5.135	ng	# 1
22) Acetophenone	7.193	105	74510	11.275	ng	# 34
35) Caprolactam	8.504	113	30273	23.080	ng	# 1
37) 2-Methylnaphthalene	8.792	142	28057	3.006	ng	97
38) 1-Methylnaphthalene	8.892	142	21242	2.317	ng	90
71) Phenanthrene	11.345	178	55102	3.765	ng	97
72) Anthracene	11.345	178	55102	3.842	ng	97
75) Fluoranthene	12.539	202	101495	7.023	ng	98
78) Pyrene	12.763	202	105301	5.315	ng	98
81) Benzo(a)anthracene	13.957	228	44890	3.152	ng	# 87
83) Chrysene	13.992	228	38031	2.914	ng	# 89
88) Benzo(b)fluoranthene	15.004	252	47841	4.734	ng	# 79
89) Benzo(k)fluoranthene	15.004	252	47841	5.344	ng	# 79
90) Benzo(a)pyrene	15.363	252	24894	2.915	ng	# 74

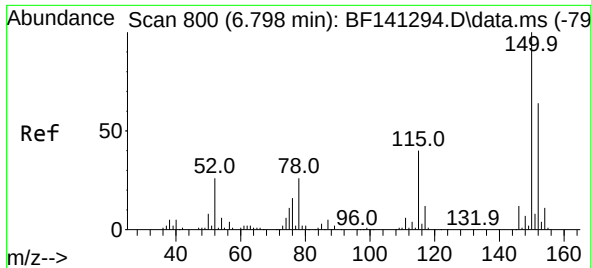
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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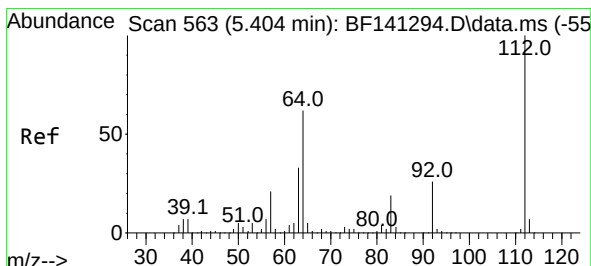
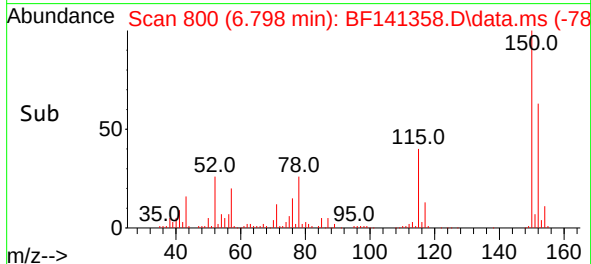
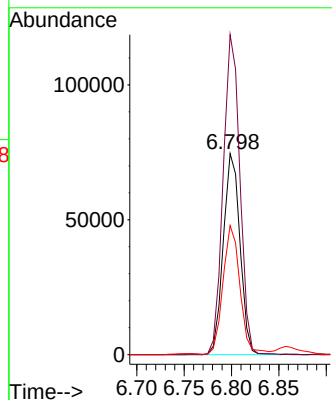
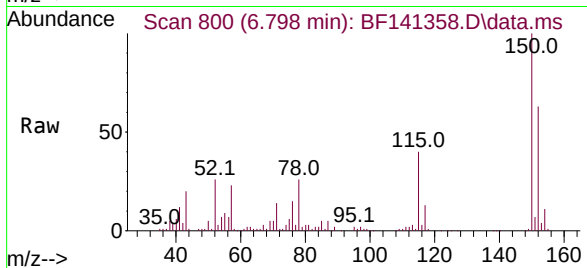




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF141358.D
Acq: 01 Feb 2025 03:11

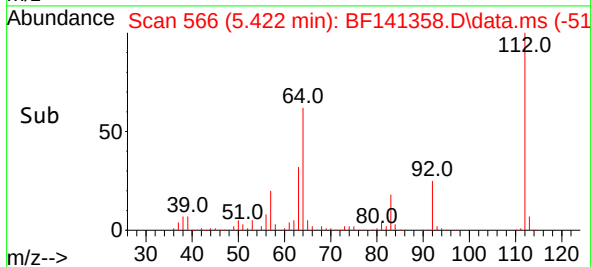
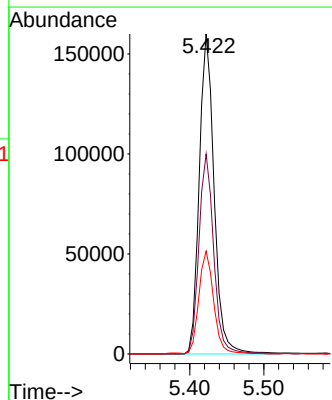
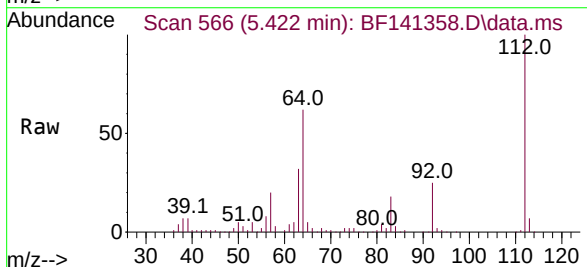
Instrument :
BNA_F
ClientSampleId :
EO-02-01302025

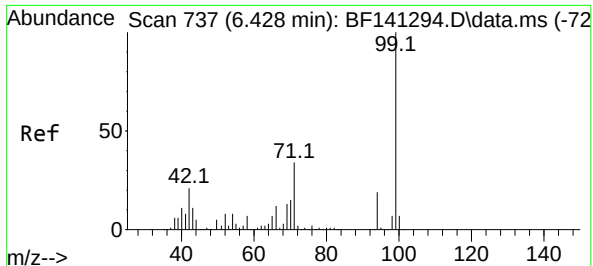
Tgt Ion:152 Resp: 91628
Ion Ratio Lower Upper
152 100
150 159.1 125.9 188.9
115 64.2 49.7 74.5



#5
2-Fluorophenol
Concen: 37.342 ng
RT: 5.422 min Scan# 566
Delta R.T. 0.012 min
Lab File: BF141358.D
Acq: 01 Feb 2025 03:11

Tgt Ion:112 Resp: 222872
Ion Ratio Lower Upper
112 100
64 62.5 49.8 74.8
63 32.1 26.1 39.1

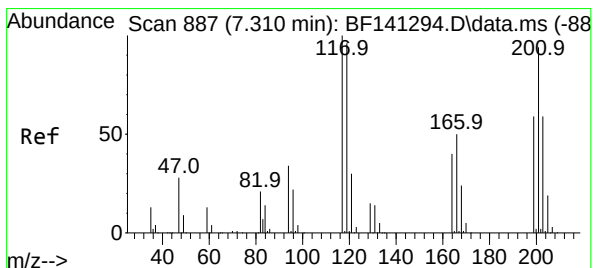
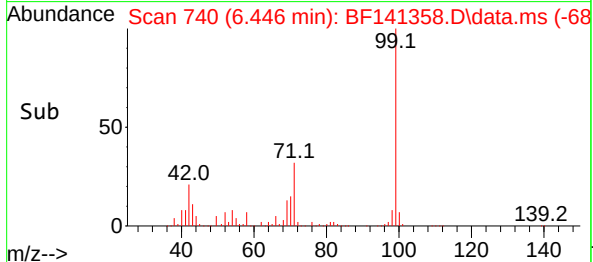
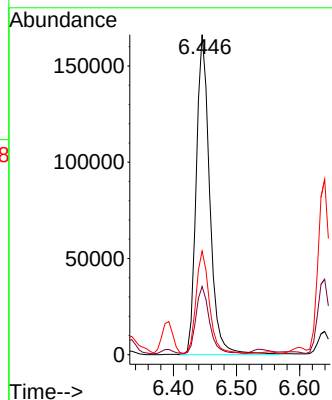
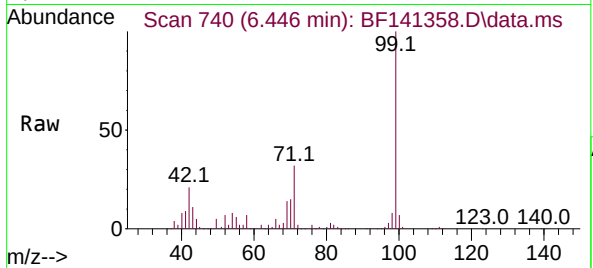




#7
Phenol-d6
Concen: 32.499 ng
RT: 6.446 min Scan# 74
Delta R.T. 0.006 min
Lab File: BF141358.D
Acq: 01 Feb 2025 03:11

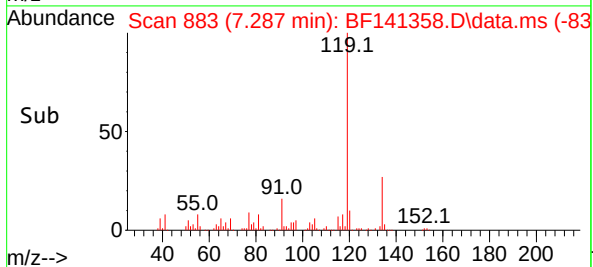
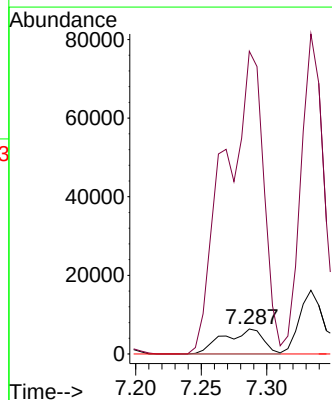
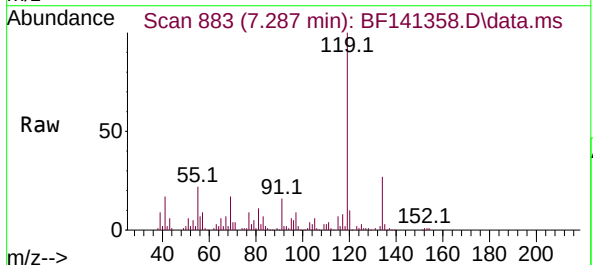
Instrument :
BNA_F
ClientSampleId :
EO-02-01302025

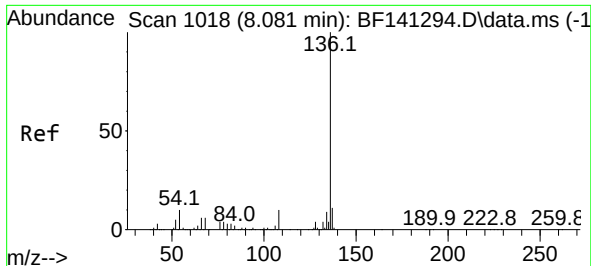
Tgt Ion: 99 Resp: 246752
Ion Ratio Lower Upper
99 100
42 21.3 17.1 25.7
71 32.4 26.9 40.3



#18
Hexachloroethane
Concen: 5.135 ng
RT: 7.287 min Scan# 883
Delta R.T. -0.029 min
Lab File: BF141358.D
Acq: 01 Feb 2025 03:11

Tgt Ion: 117 Resp: 13424
Ion Ratio Lower Upper
117 100
119 1216.0 76.6 114.8#
201 0.0 74.8 112.2#

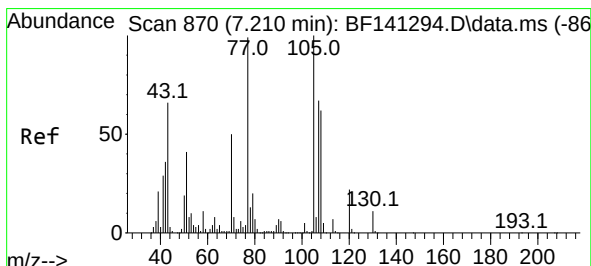
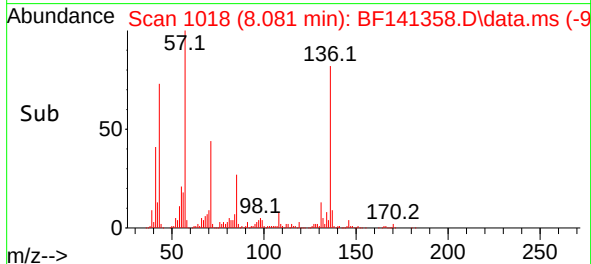
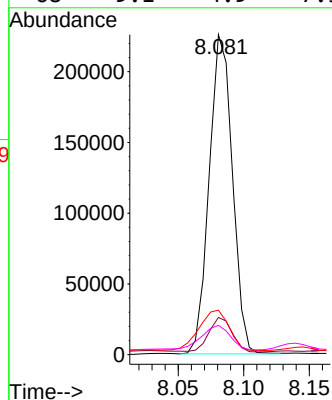
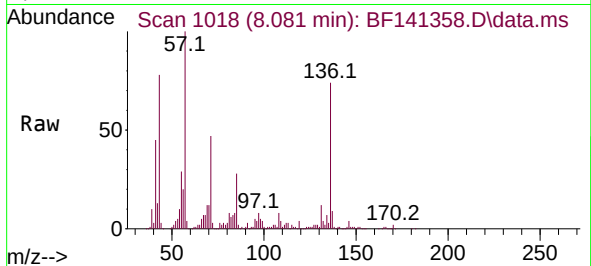




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF141358.D
Acq: 01 Feb 2025 03:11

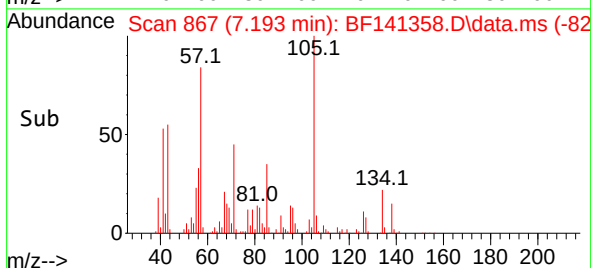
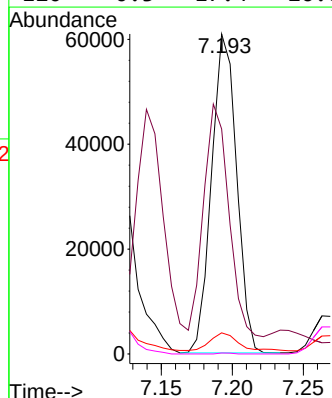
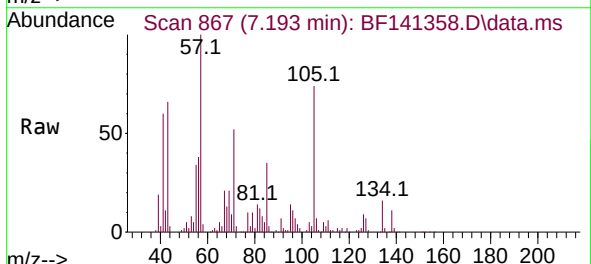
Instrument :
BNA_F
ClientSampleId :
EO-02-01302025

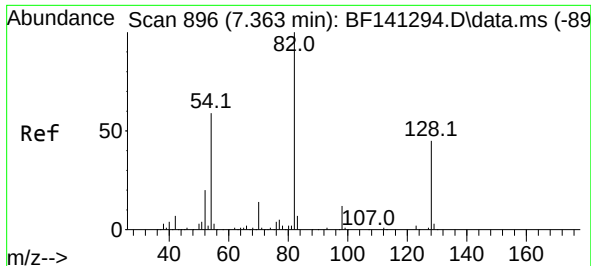
Tgt Ion:	136	Resp:	278006
Ion Ratio	Lower	Upper	
136	100		
137	11.7	8.6	13.0
54	13.9	7.8	11.8#
68	9.1	4.9	7.3#



#22
Acetophenone
Concen: 11.275 ng
RT: 7.193 min Scan# 867
Delta R.T. -0.024 min
Lab File: BF141358.D
Acq: 01 Feb 2025 03:11

Tgt Ion:	105	Resp:	74510
Ion Ratio	Lower	Upper	
105	100		
71	70.3	6.8	10.2#
51	6.6	32.6	49.0#
120	0.3	17.4	26.0#





#23

Nitrobenzene-d5

Concen: 28.066 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF141358.D

Acq: 01 Feb 2025 03:11

Instrument :

BNA_F

ClientSampleId :

EO-02-01302025

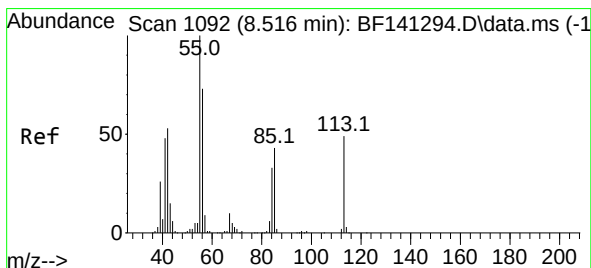
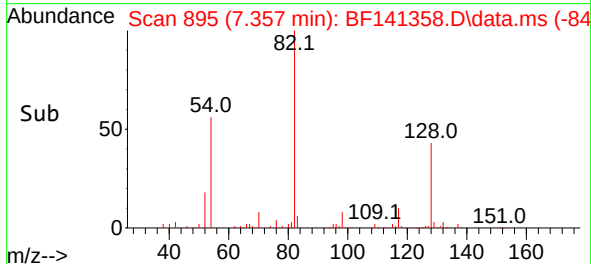
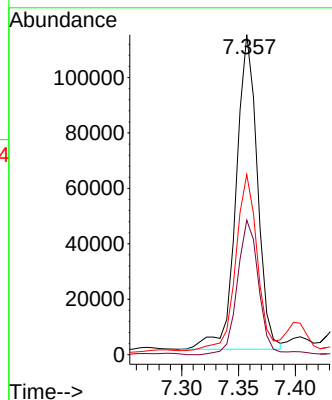
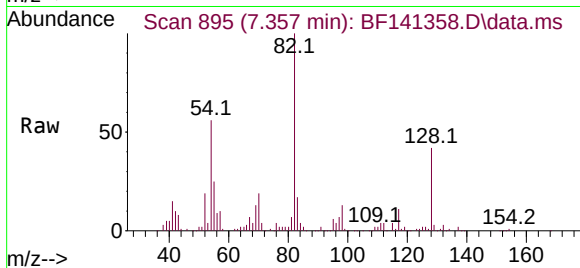
Tgt Ion: 82 Resp: 148009

Ion Ratio Lower Upper

82 100

128 42.1 35.7 53.5

54 56.3 47.1 70.7



#35

Caprolactam

Concen: 23.080 ng

RT: 8.504 min Scan# 1090

Delta R.T. -0.041 min

Lab File: BF141358.D

Acq: 01 Feb 2025 03:11

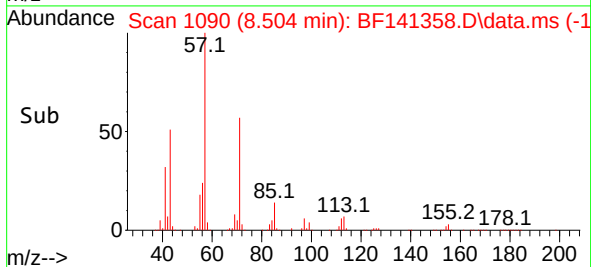
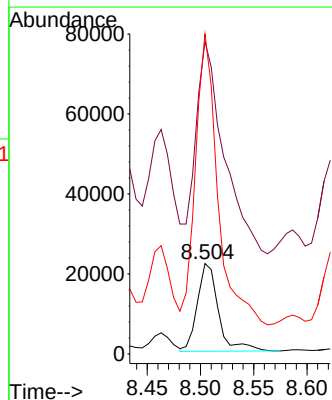
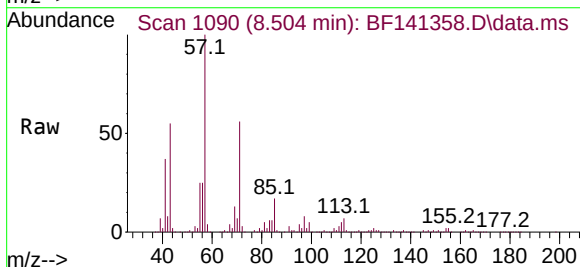
Tgt Ion: 113 Resp: 30273

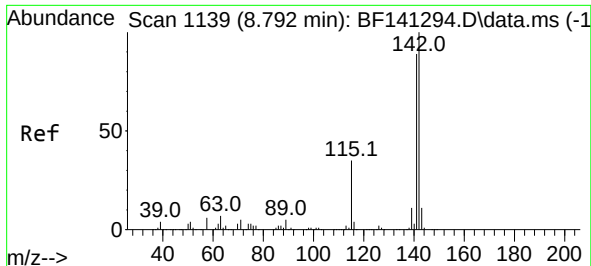
Ion Ratio Lower Upper

113 100

55 345.9 182.9 222.9#

56 354.2 127.9 167.9#

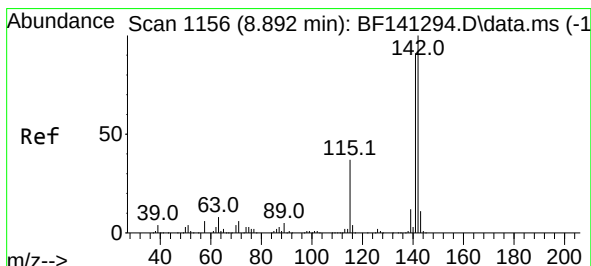
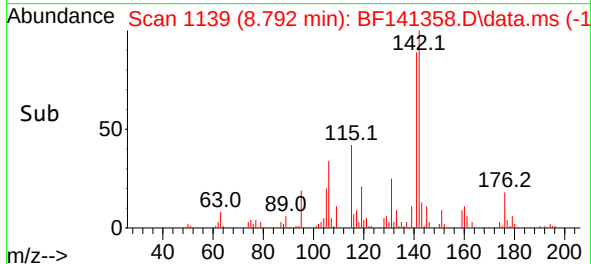
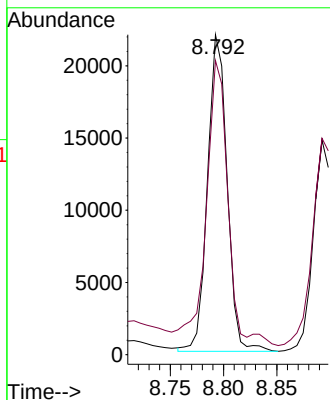
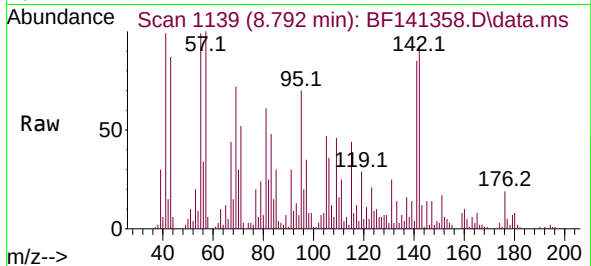




#37
2-Methylnaphthalene
Concen: 3.006 ng
RT: 8.792 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF141358.D
Acq: 01 Feb 2025 03:11

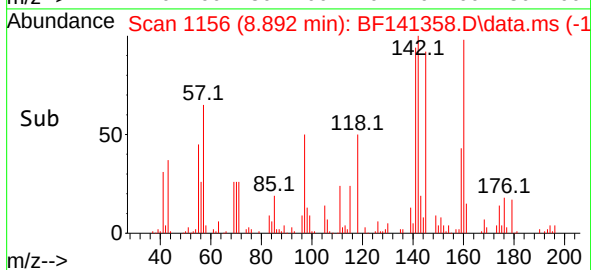
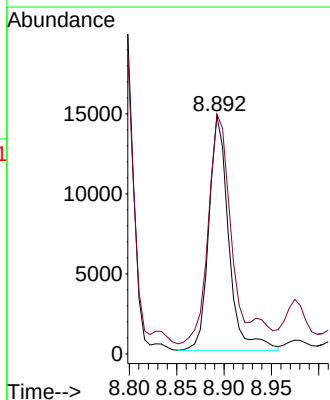
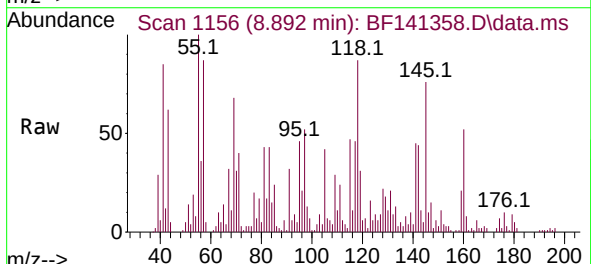
Instrument :
BNA_F
ClientSampleId :
EO-02-01302025

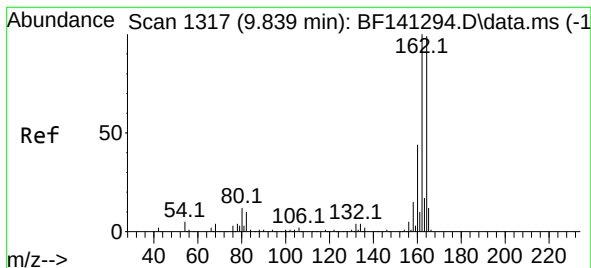
Tgt Ion:142 Resp: 28057
Ion Ratio Lower Upper
142 100
141 91.9 71.3 106.9



#38
1-Methylnaphthalene
Concen: 2.317 ng
RT: 8.892 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BF141358.D
Acq: 01 Feb 2025 03:11

Tgt Ion:142 Resp: 21242
Ion Ratio Lower Upper
142 100
141 100.8 73.2 109.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.834 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141358.D

Acq: 01 Feb 2025 03:11

Instrument :

BNA_F

ClientSampleId :

EO-02-01302025

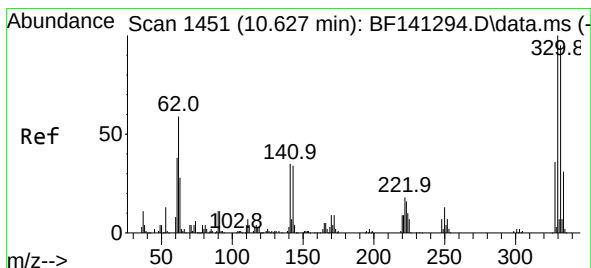
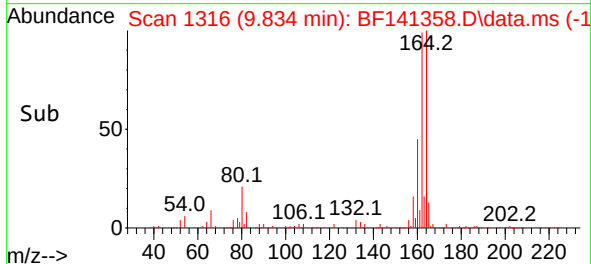
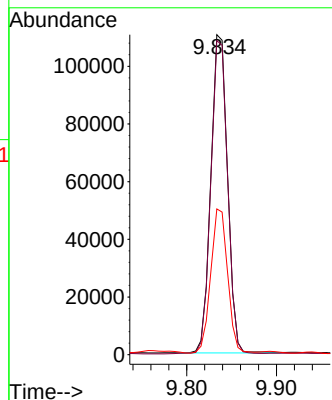
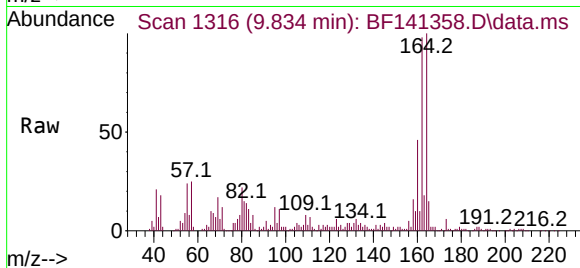
Tgt Ion:164 Resp: 142544

Ion Ratio Lower Upper

164 100

162 98.1 80.6 121.0

160 45.6 35.8 53.6



#42

2,4,6-Tribromophenol

Concen: 36.646 ng

RT: 10.628 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF141358.D

Acq: 01 Feb 2025 03:11

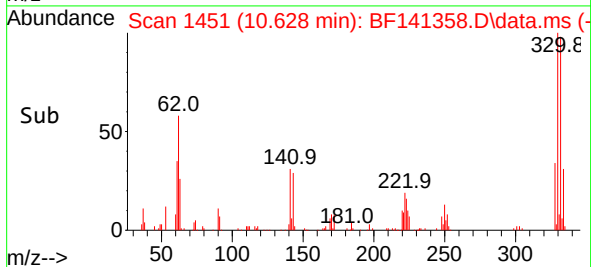
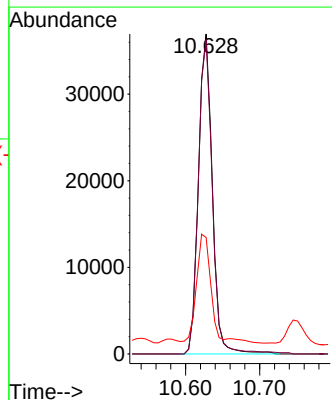
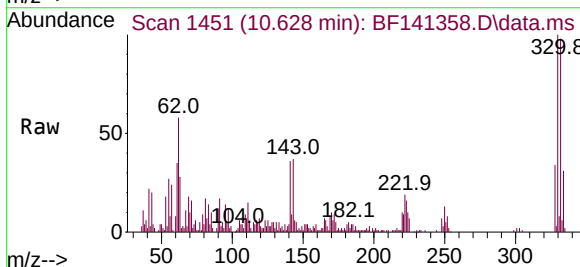
Tgt Ion:330 Resp: 47889

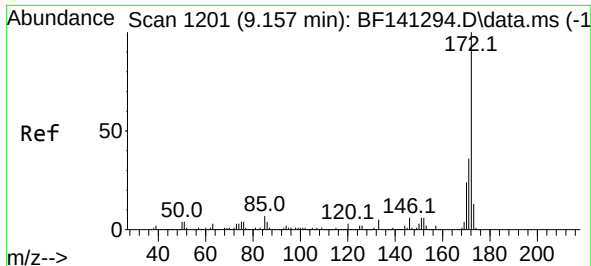
Ion Ratio Lower Upper

330 100

332 99.5 76.1 114.1

141 36.9 28.8 43.2

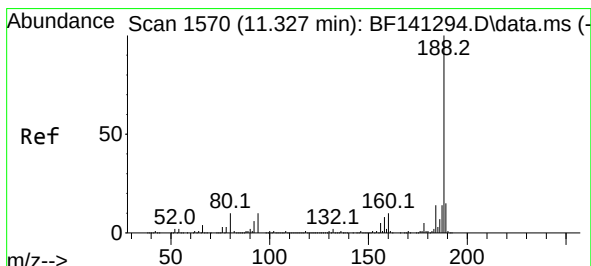
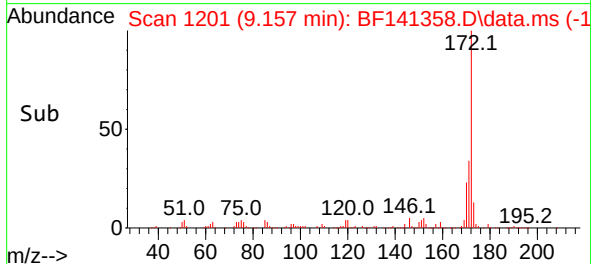
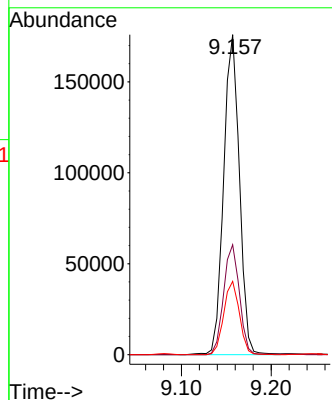
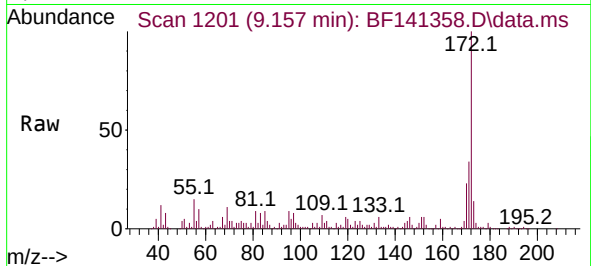




#45
2-Fluorobiphenyl
Concen: 23.173 ng
RT: 9.157 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141358.D
Acq: 01 Feb 2025 03:11

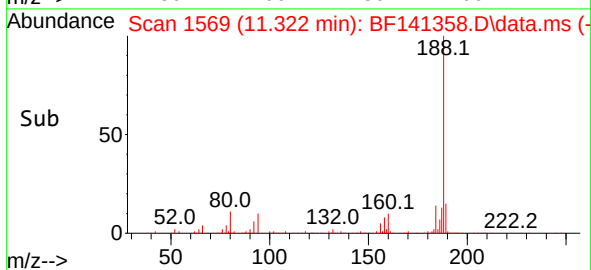
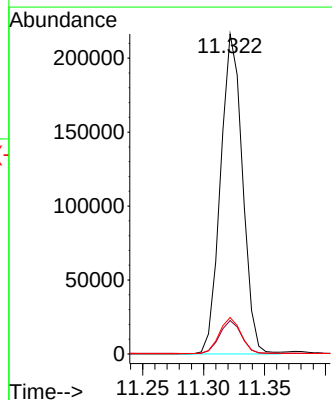
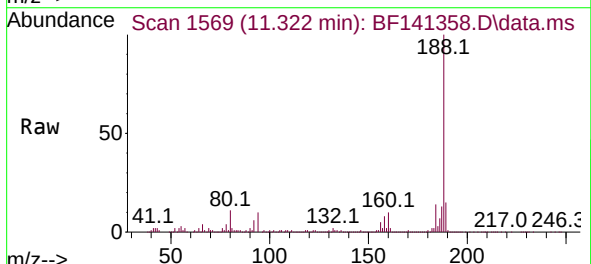
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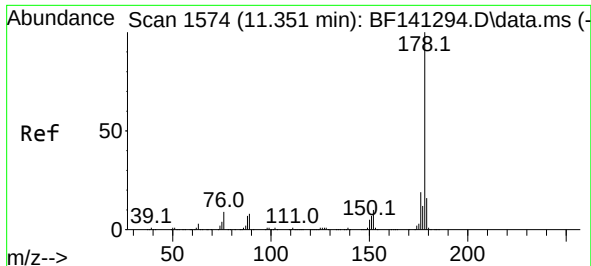
Tgt Ion:172 Resp: 214600
Ion Ratio Lower Upper
172 100
171 34.3 28.8 43.2
170 22.9 19.0 28.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141358.D
Acq: 01 Feb 2025 03:11

Tgt Ion:188 Resp: 272298
Ion Ratio Lower Upper
188 100
94 10.4 7.8 11.6
80 11.4 8.2 12.4

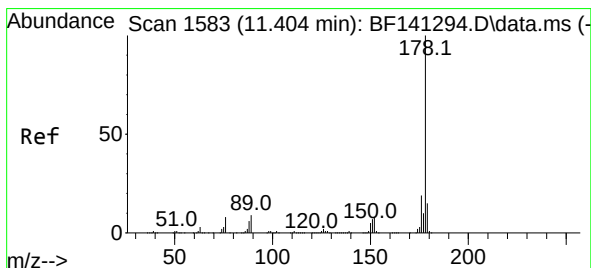
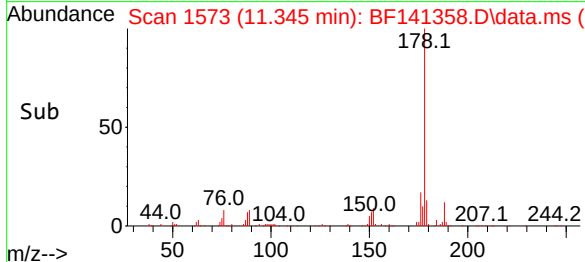
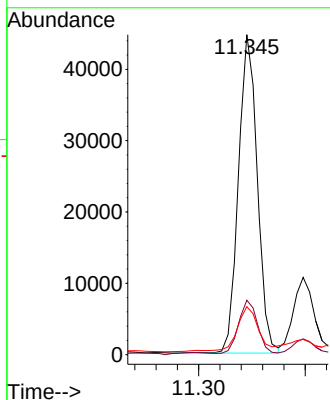
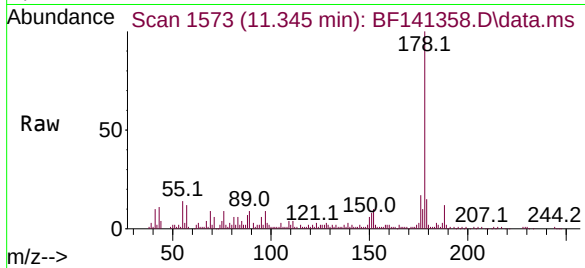




#71
Phenanthrene
Concen: 3.765 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF141358.D
Acq: 01 Feb 2025 03:11

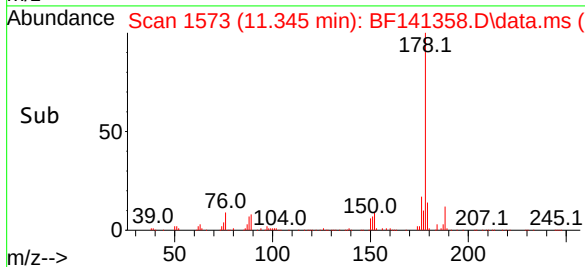
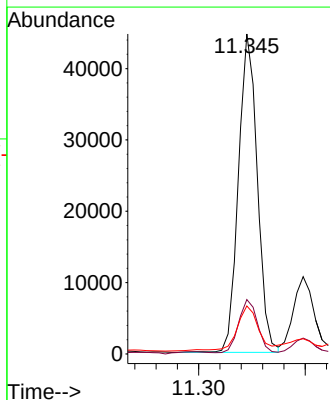
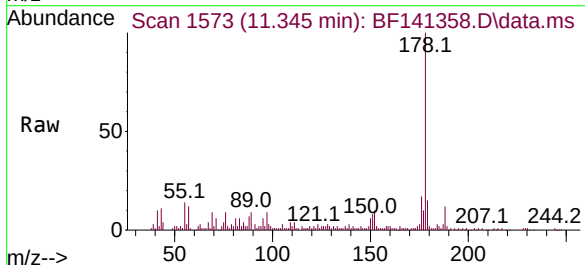
Instrument :
BNA_F
ClientSampleId :
EO-02-01302025

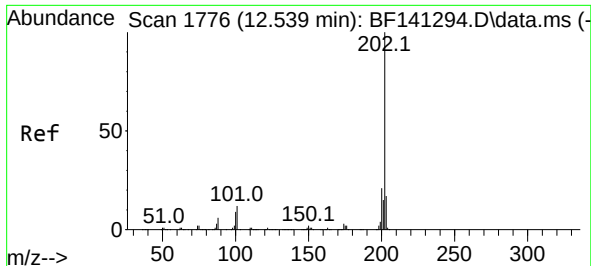
Tgt Ion:178 Resp: 55102
Ion Ratio Lower Upper
178 100
176 17.0 15.3 22.9
179 15.0 12.5 18.7



#72
Anthracene
Concen: 3.842 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.059 min
Lab File: BF141358.D
Acq: 01 Feb 2025 03:11

Tgt Ion:178 Resp: 55102
Ion Ratio Lower Upper
178 100
176 17.0 15.0 22.6
179 15.0 12.3 18.5

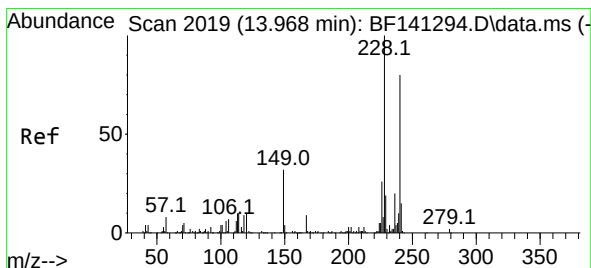
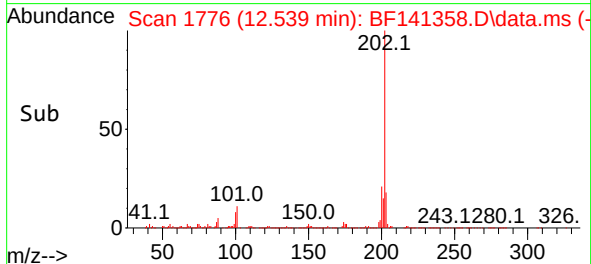
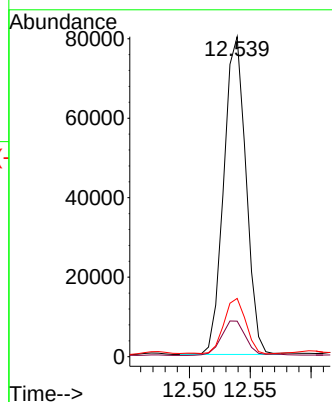
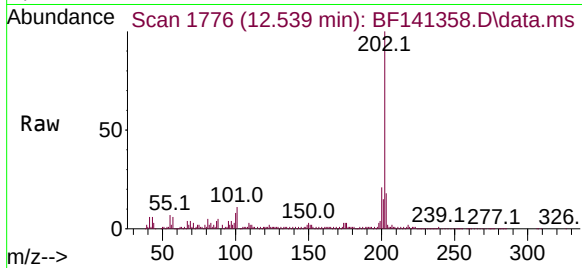




#75
Fluoranthene
Concen: 7.023 ng
RT: 12.539 min Scan# 1776
Delta R.T. -0.000 min
Lab File: BF141358.D
Acq: 01 Feb 2025 03:11

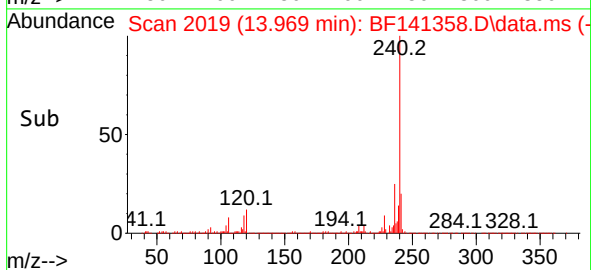
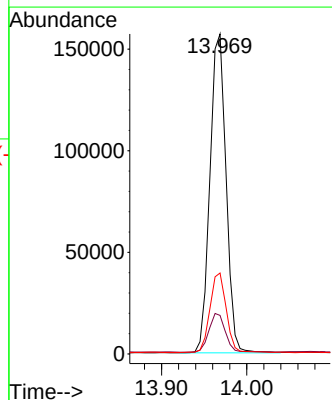
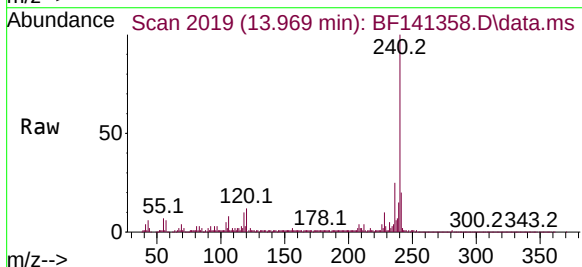
Instrument :
BNA_F
ClientSampleId :
EO-02-01302025

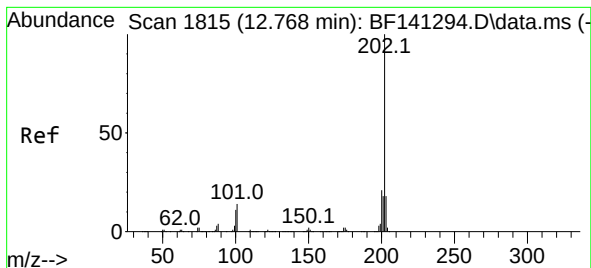
Tgt Ion:202 Resp: 101495
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.7
203 18.2 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141358.D
Acq: 01 Feb 2025 03:11

Tgt Ion:240 Resp: 206377
Ion Ratio Lower Upper
240 100
120 12.1 10.0 15.0
236 25.3 19.7 29.5





#78

Pyrene

Concen: 5.315 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF141358.D

Acq: 01 Feb 2025 03:11

Instrument :

BNA_F

ClientSampleId :

EO-02-01302025

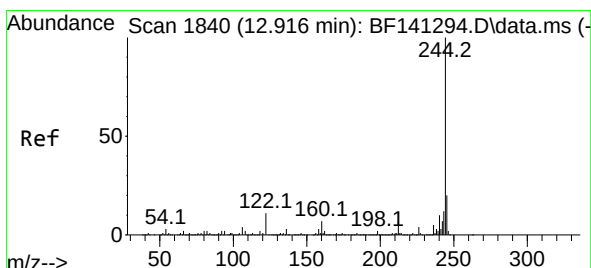
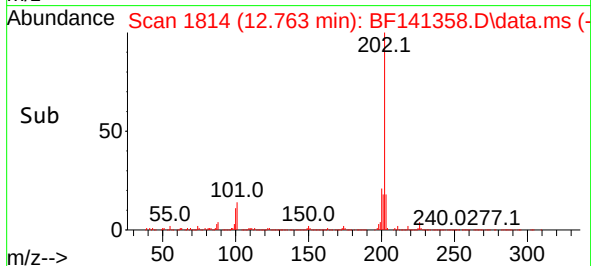
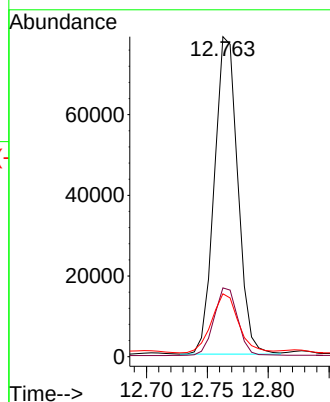
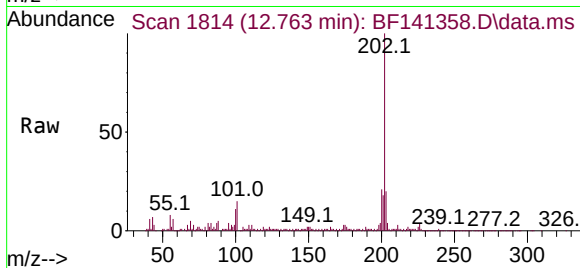
Tgt Ion:202 Resp: 105301

Ion Ratio Lower Upper

202 100

200 21.5 17.0 25.4

203 19.6 14.3 21.5



#79

Terphenyl-d14

Concen: 23.219 ng

RT: 12.910 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF141358.D

Acq: 01 Feb 2025 03:11

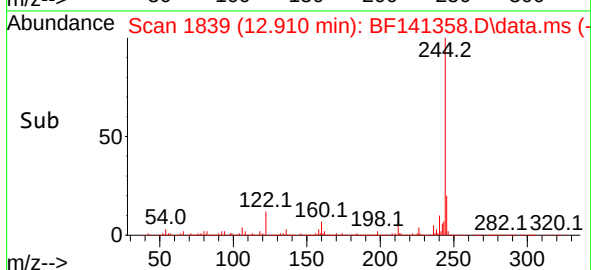
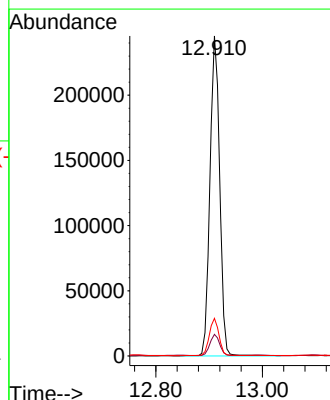
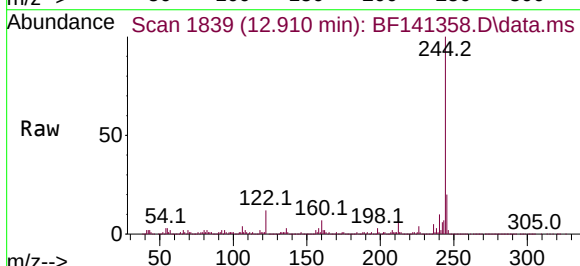
Tgt Ion:244 Resp: 310724

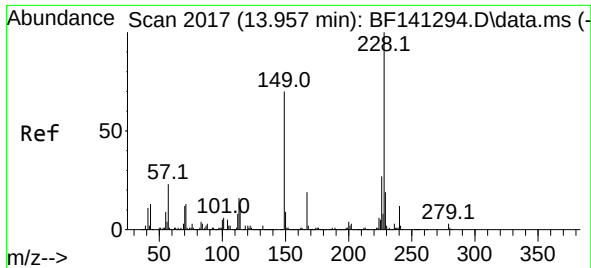
Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 11.7 8.8 13.2

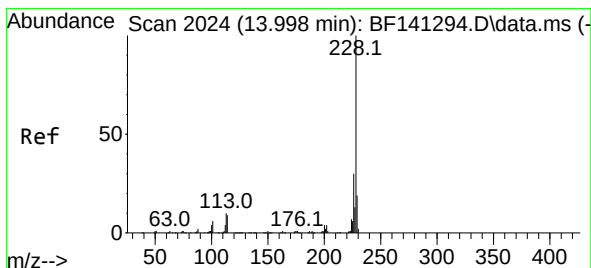
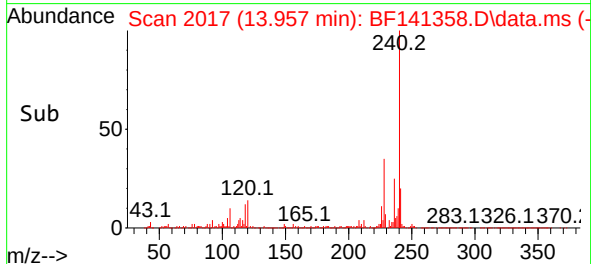
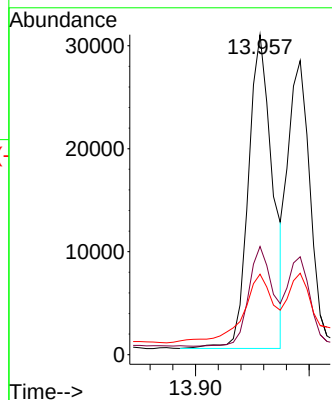
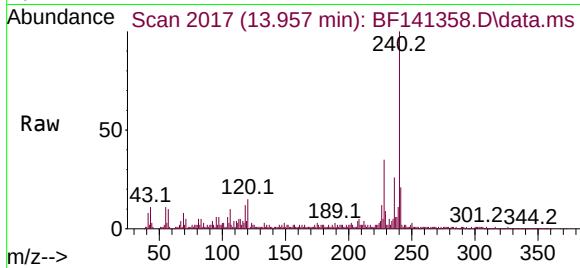




#81
Benzo(a)anthracene
Concen: 3.152 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141358.D
Acq: 01 Feb 2025 03:11

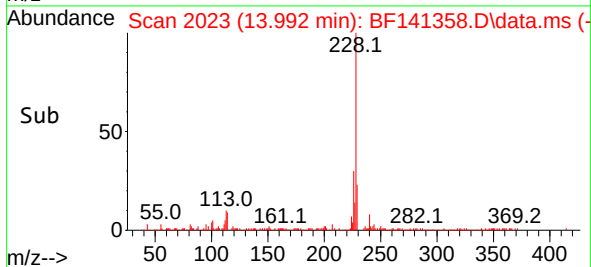
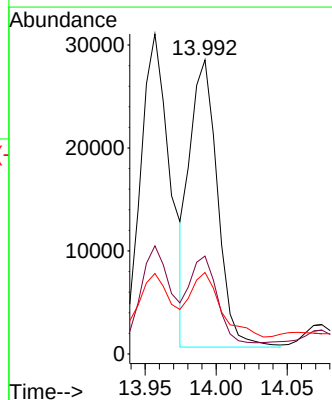
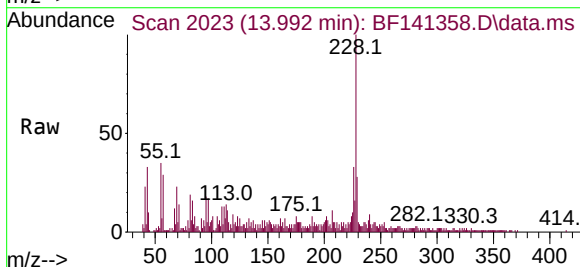
Instrument :
BNA_F
ClientSampleId :
EO-02-01302025

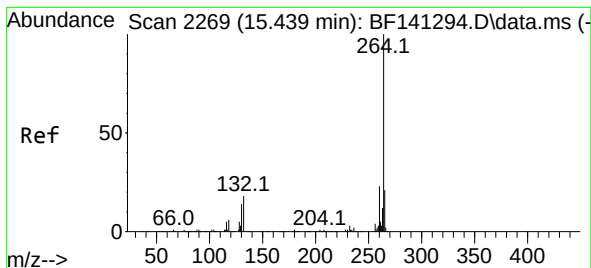
Tgt Ion:228 Resp: 44890
Ion Ratio Lower Upper
228 100
226 33.8 21.4 32.2#
229 25.1 15.5 23.3#



#83
Chrysene
Concen: 2.914 ng
RT: 13.992 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF141358.D
Acq: 01 Feb 2025 03:11

Tgt Ion:228 Resp: 38031
Ion Ratio Lower Upper
228 100
226 33.3 24.1 36.1
229 27.7 15.6 23.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.427 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141358.D

Acq: 01 Feb 2025 03:11

Instrument :

BNA_F

ClientSampleId :

EO-02-01302025

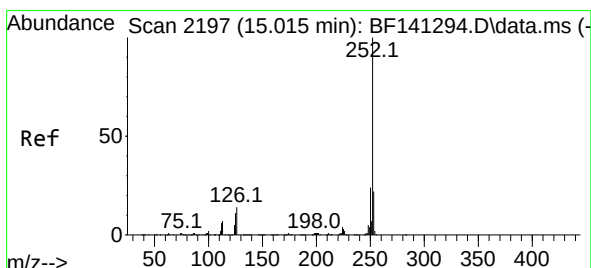
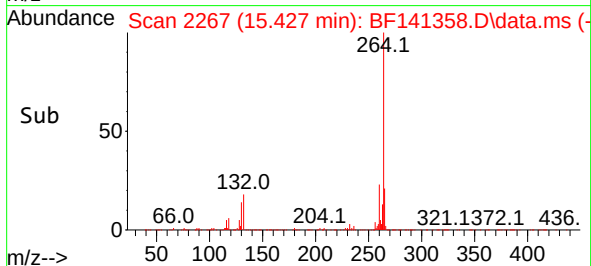
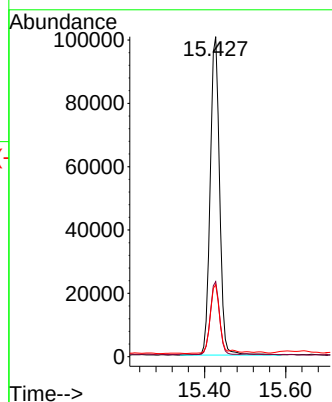
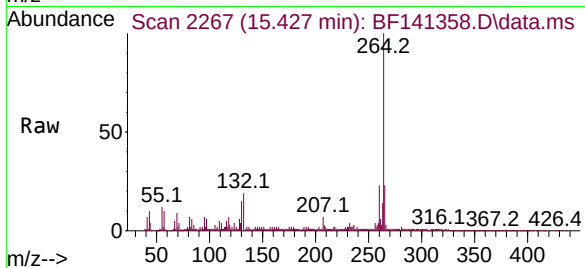
Tgt Ion:264 Resp: 160662

Ion Ratio Lower Upper

264 100

260 23.5 18.6 27.8

265 22.5 16.7 25.1



#88

Benzo(b)fluoranthene

Concen: 4.734 ng

RT: 15.004 min Scan# 2195

Delta R.T. -0.018 min

Lab File: BF141358.D

Acq: 01 Feb 2025 03:11

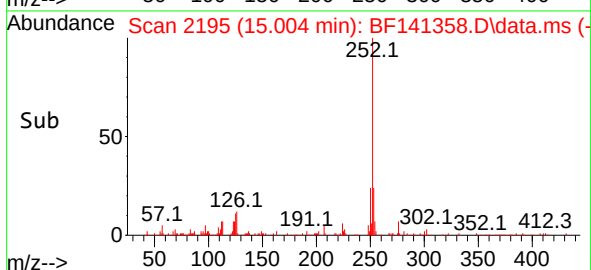
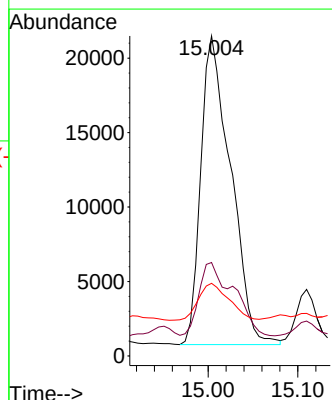
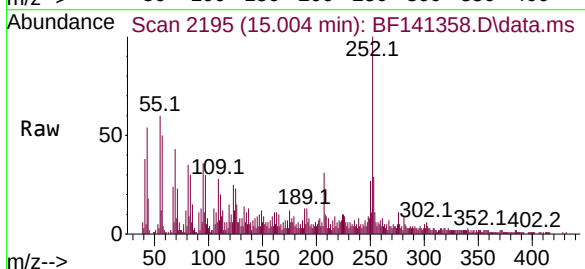
Tgt Ion:252 Resp: 47841

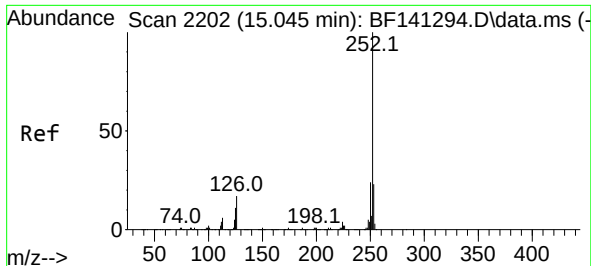
Ion Ratio Lower Upper

252 100

253 29.2 17.4 26.2#

125 22.7 8.6 12.8#





#89

Benzo(k)fluoranthene

Concen: 5.344 ng

RT: 15.004 min Scan# 2195

Delta R.T. -0.047 min

Lab File: BF141358.D

Acq: 01 Feb 2025 03:11

Instrument :

BNA_F

ClientSampleId :

EO-02-01302025

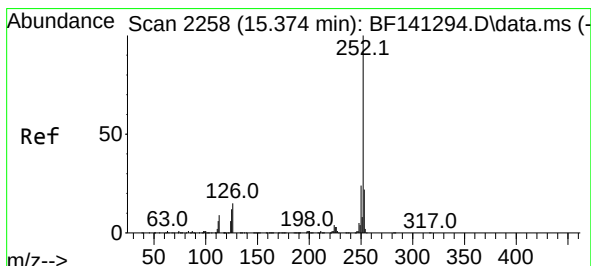
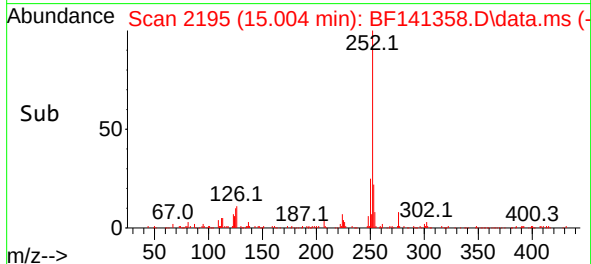
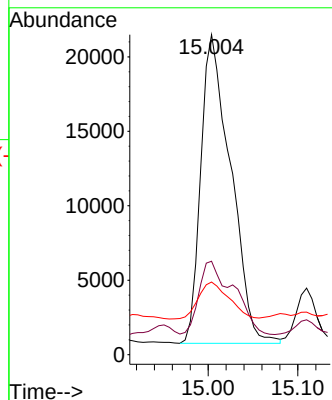
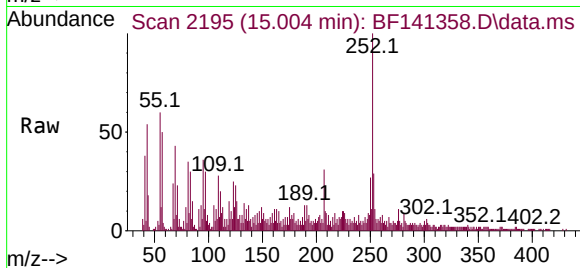
Tgt Ion:252 Resp: 47841

Ion Ratio Lower Upper

252 100

253 29.2 17.6 26.4#

125 22.7 8.4 12.6#



#90

Benzo(a)pyrene

Concen: 2.915 ng

RT: 15.363 min Scan# 2256

Delta R.T. -0.018 min

Lab File: BF141358.D

Acq: 01 Feb 2025 03:11

Tgt Ion:252 Resp: 24894

Ion Ratio Lower Upper

252 100

253 29.7 17.2 25.8#

125 28.4 9.4 14.2#

