

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010825\
 Data File : BF141095.D
 Acq On : 08 Jan 2025 20:15
 Operator : RC/JU
 Sample : Q1029-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-02-01072025

Quant Time: Jan 09 00:04:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:31:16 2024
 Response via : Initial Calibration

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

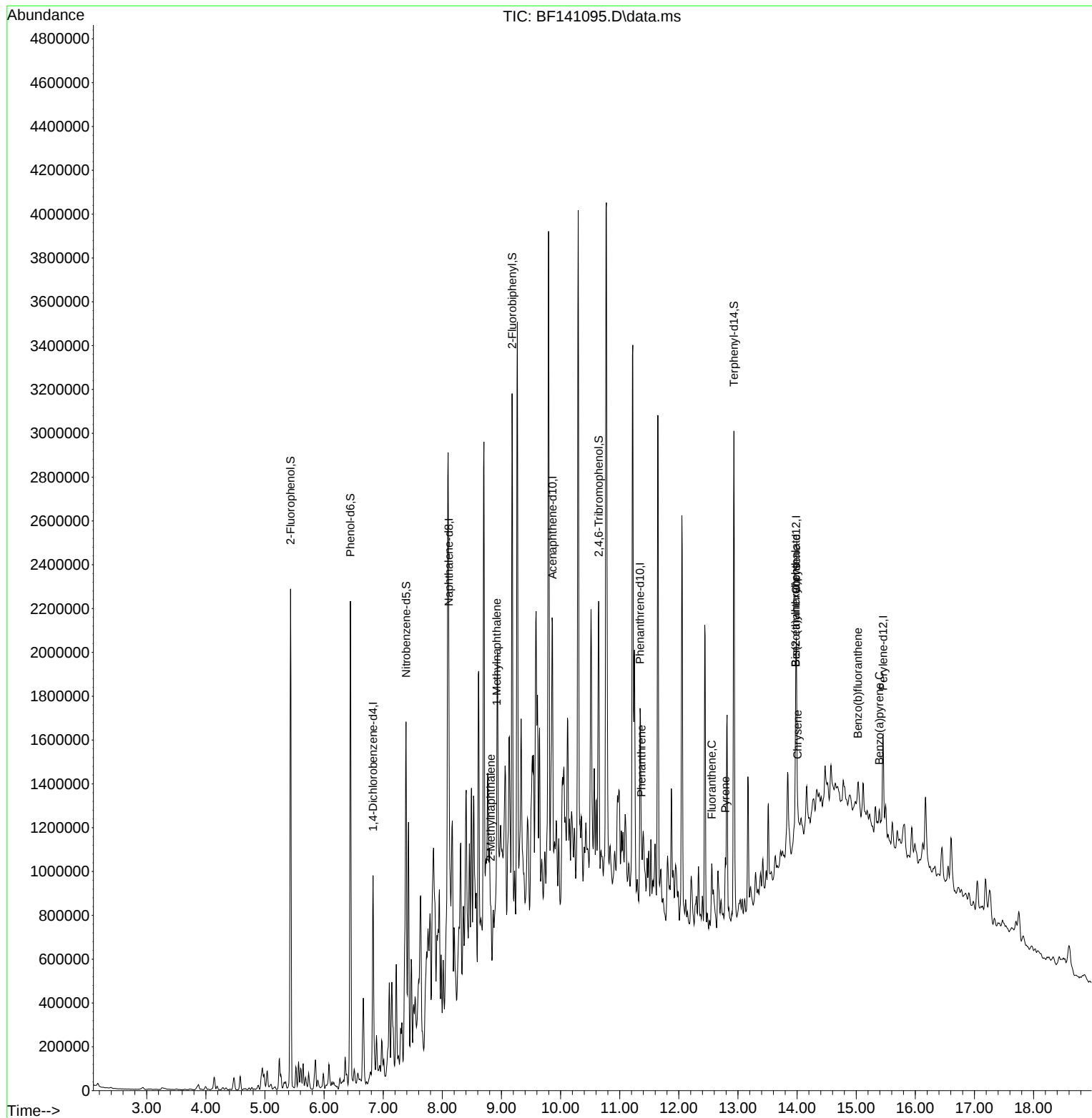
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	182107	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	660365	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	301329	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	446858	20.000	ng	0.00
76) Chrysene-d12	13.986	240	369101	20.000	ng	0.00
86) Perylene-d12	15.457	264	287843	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	845817	70.012	ng	0.00
7) Phenol-d6	6.445	99	1037249	66.648	ng	0.00
23) Nitrobenzene-d5	7.386	82	633195	61.346	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	216059	73.790	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	1039283	54.951	ng	0.00
79) Terphenyl-d14	12.933	244	1061275	47.759	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.822	142	74652	3.353	ng	96
38) 1-Methylnaphthalene	8.922	142	48974	2.239	ng	84
71) Phenanthrene	11.369	178	100535	4.275	ng	# 95
75) Fluoranthene	12.557	202	151238	5.929	ng	98
78) Pyrene	12.786	202	153189	4.746	ng	97
81) Benzo(a)anthracene	13.974	228	69143	2.688	ng	# 90
83) Chrysene	14.010	228	65924	2.843	ng	# 92
84) Bis(2-ethylhexyl)phtha...	13.974	149	72165	4.720	ng	# 95
88) Benzo(b)fluoranthene	15.027	252	63263m	3.151	ng	
90) Benzo(a)pyrene	15.392	252	43438	2.788	ng	# 56

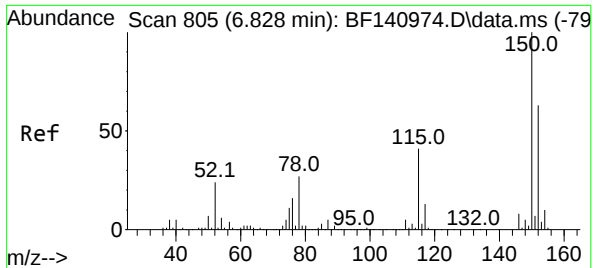
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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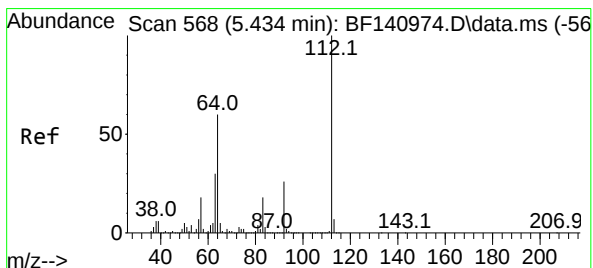
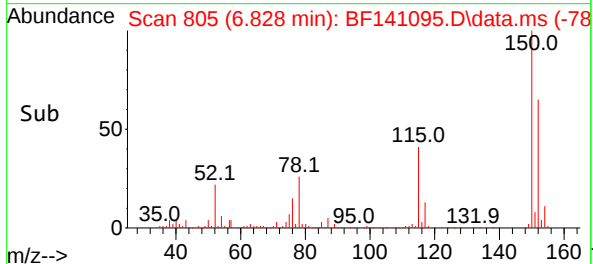
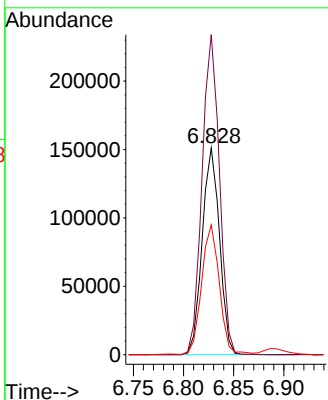
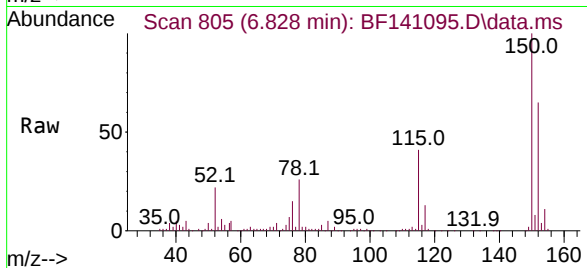




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF141095.D
Acq: 08 Jan 2025 20:15

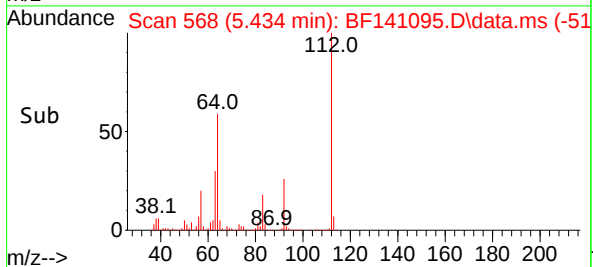
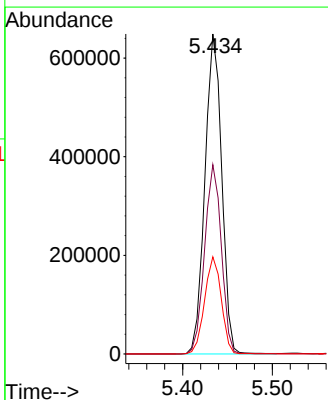
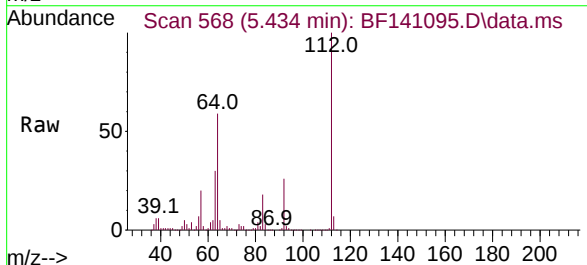
Instrument :
BNA_F
ClientSampleId :
HR-02-01072025

Tgt Ion:152 Resp: 182107
Ion Ratio Lower Upper
152 100
150 154.7 127.0 190.6
115 62.7 51.7 77.5



#5
2-Fluorophenol
Concen: 70.012 ng
RT: 5.434 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF141095.D
Acq: 08 Jan 2025 20:15

Tgt Ion:112 Resp: 845817
Ion Ratio Lower Upper
112 100
64 59.1 47.7 71.5
63 30.4 24.2 36.2





#7

Phenol-d6

Concen: 66.648 ng

RT: 6.445 min Scan# 741

Delta R.T. -0.006 min

Lab File: BF141095.D

Acq: 08 Jan 2025 20:15

Instrument :

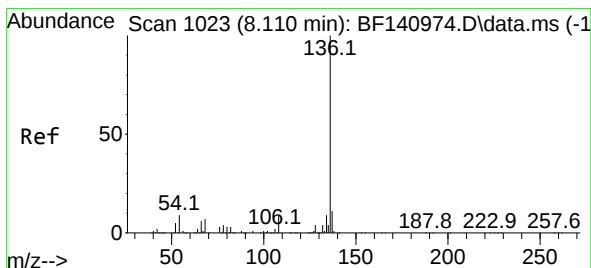
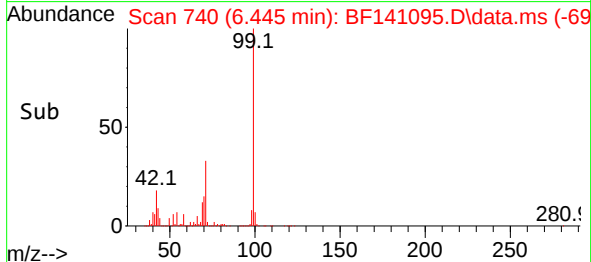
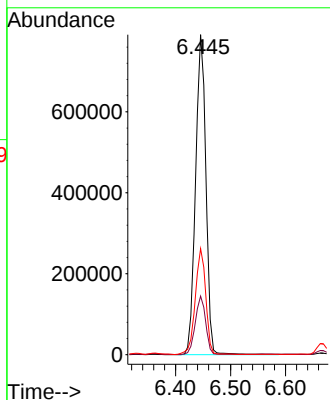
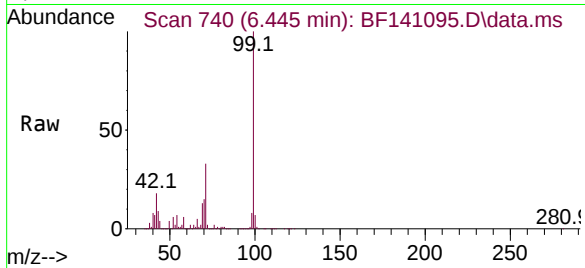
BNA_F

ClientSampleId :

HR-02-01072025

Tgt Ion: 99 Resp: 1037249

Ion	Ratio	Lower	Upper
99	100		
42	18.3	15.0	22.4
71	33.2	26.2	39.2



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.110 min Scan# 1023

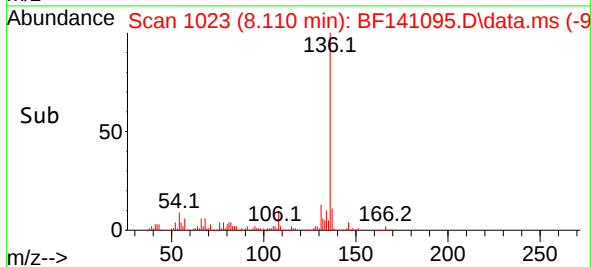
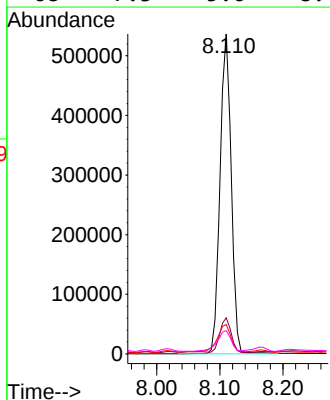
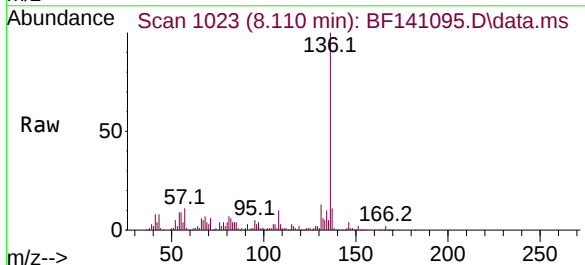
Delta R.T. -0.000 min

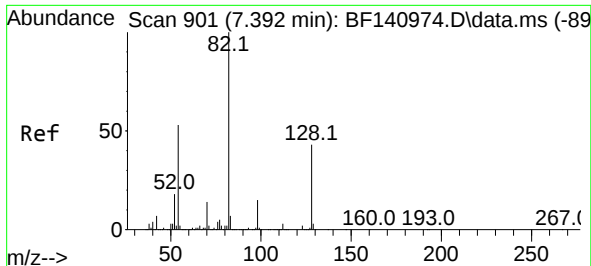
Lab File: BF141095.D

Acq: 08 Jan 2025 20:15

Tgt Ion: 136 Resp: 660365

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.0	13.4
54	9.2	7.6	11.4
68	7.3	5.6	8.4





#23

Nitrobenzene-d5

Concen: 61.346 ng

RT: 7.386 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF141095.D

Acq: 08 Jan 2025 20:15

Instrument :

BNA_F

ClientSampleId :

HR-02-01072025

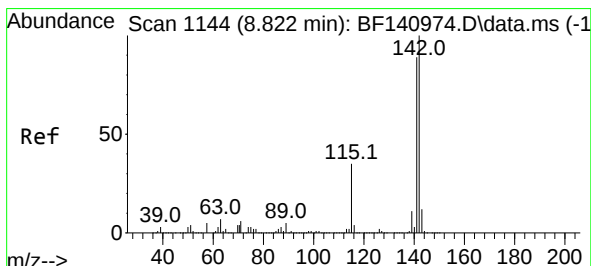
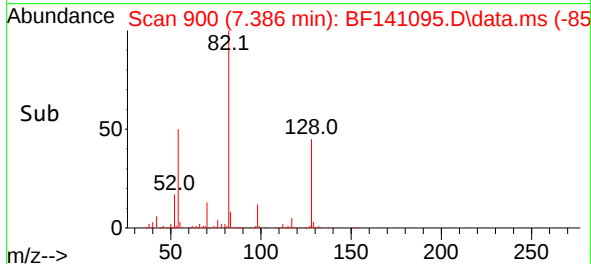
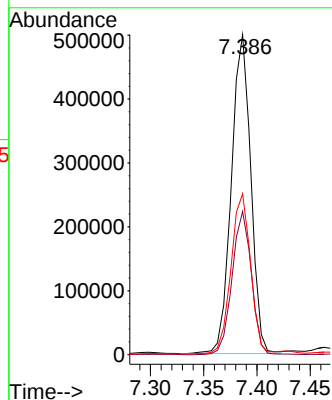
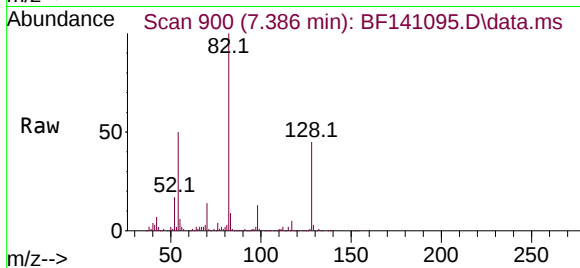
Tgt Ion: 82 Resp: 633195

Ion Ratio Lower Upper

82 100

128 44.7 34.4 51.6

54 50.3 42.4 63.6



#37

2-Methylnaphthalene

Concen: 3.353 ng

RT: 8.822 min Scan# 1144

Delta R.T. -0.000 min

Lab File: BF141095.D

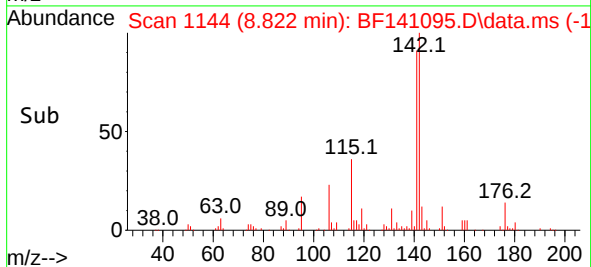
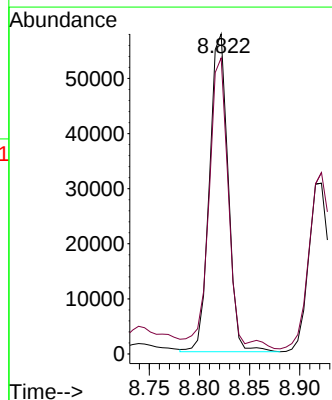
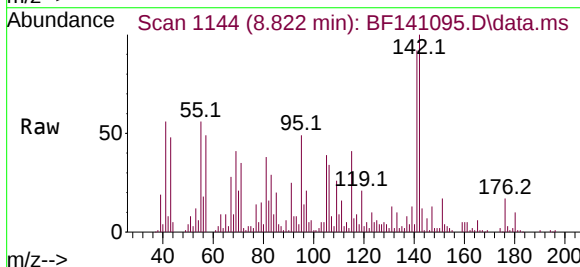
Acq: 08 Jan 2025 20:15

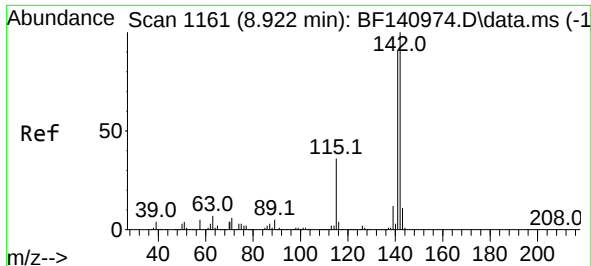
Tgt Ion: 142 Resp: 74652

Ion Ratio Lower Upper

142 100

141 92.5 71.1 106.7

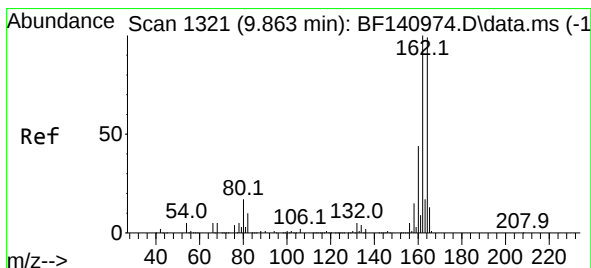
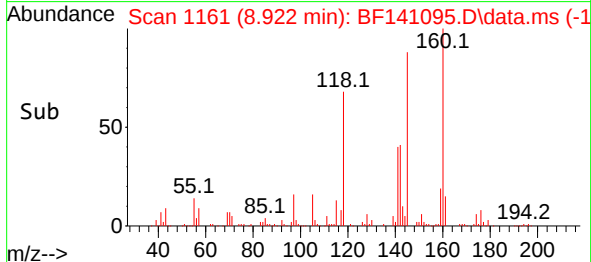
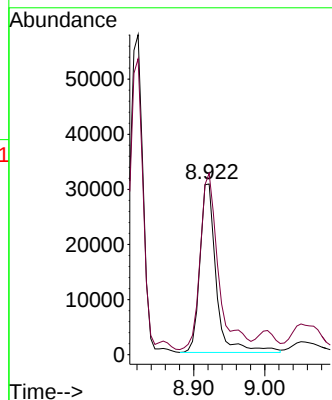
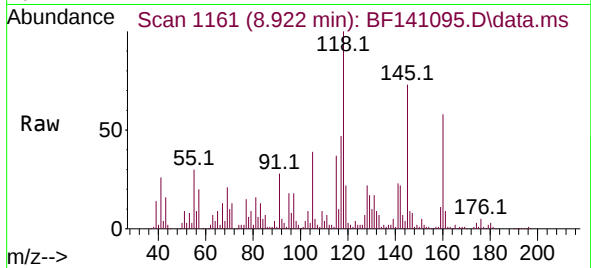




#38
1-Methylnaphthalene
Concen: 2.239 ng
RT: 8.922 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF141095.D
Acq: 08 Jan 2025 20:15

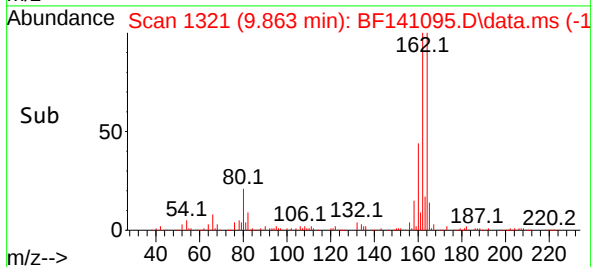
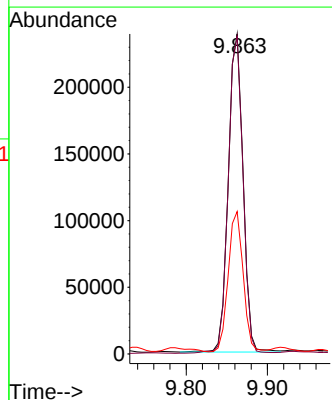
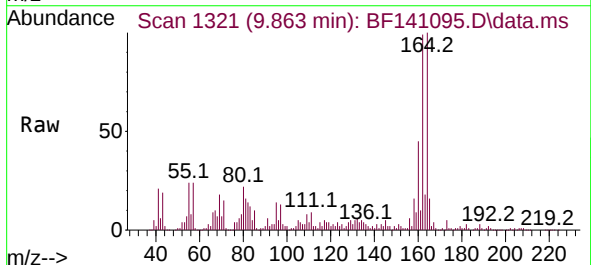
Instrument :
BNA_F
ClientSampleId :
HR-02-01072025

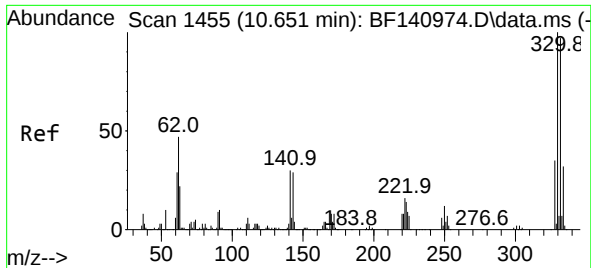
Tgt Ion:142 Resp: 48974
Ion Ratio Lower Upper
142 100
141 106.3 72.7 109.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.000 min
Lab File: BF141095.D
Acq: 08 Jan 2025 20:15

Tgt Ion:164 Resp: 301329
Ion Ratio Lower Upper
164 100
162 99.3 80.6 120.8
160 44.5 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 73.790 ng

RT: 10.645 min Scan# 1455

Delta R.T. -0.006 min

Lab File: BF141095.D

Acq: 08 Jan 2025 20:15

Instrument :

BNA_F

ClientSampleId :

HR-02-01072025

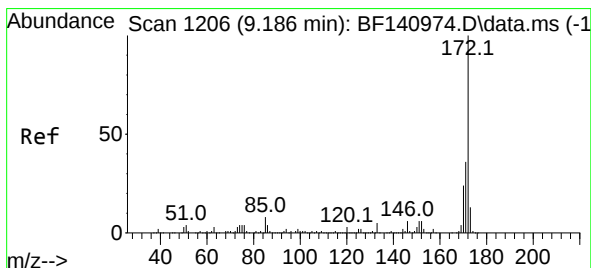
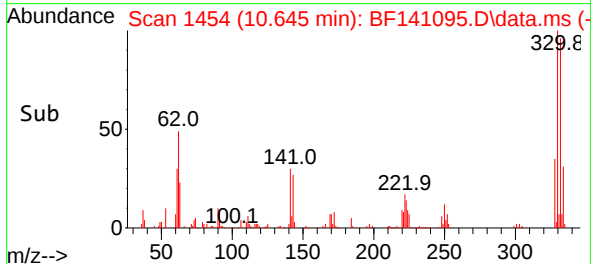
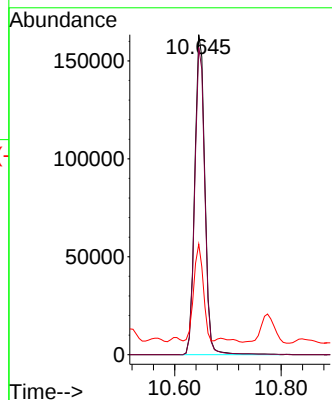
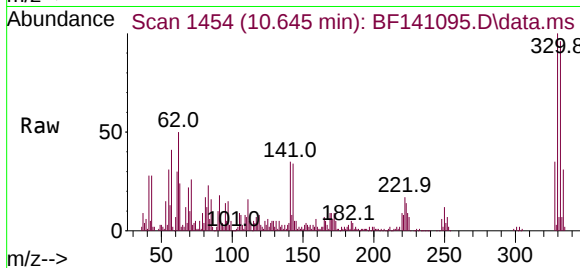
Tgt Ion:330 Resp: 216059

Ion Ratio Lower Upper

330 100

332 95.7 78.0 117.0

141 28.2 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 54.951 ng

RT: 9.180 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF141095.D

Acq: 08 Jan 2025 20:15

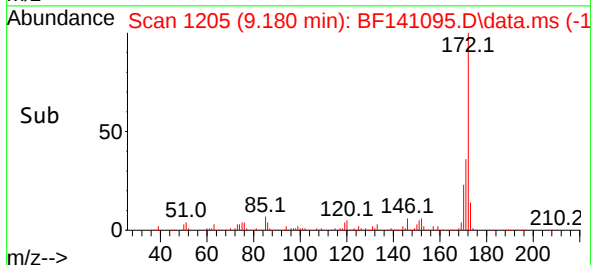
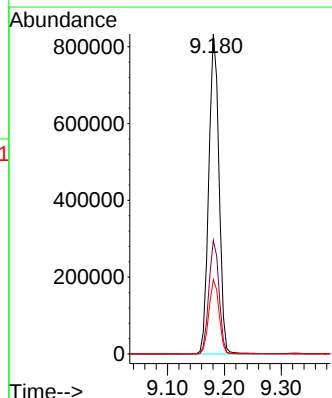
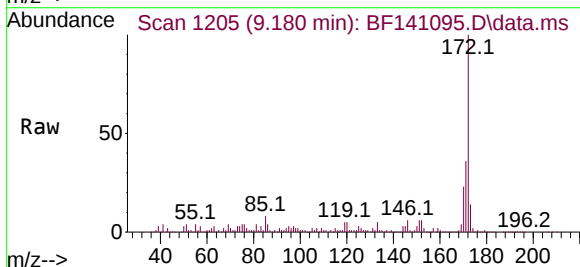
Tgt Ion:172 Resp: 1039283

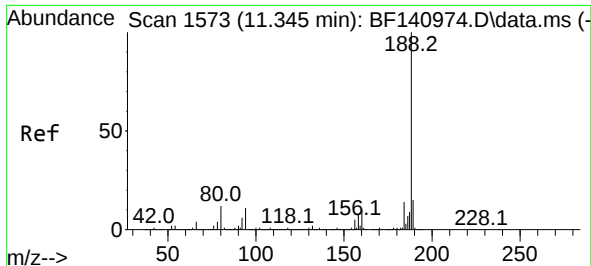
Ion Ratio Lower Upper

172 100

171 35.6 29.0 43.4

170 23.3 19.6 29.4

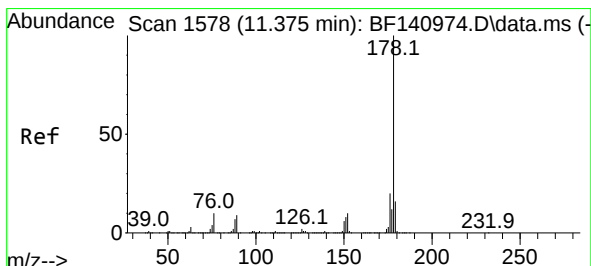
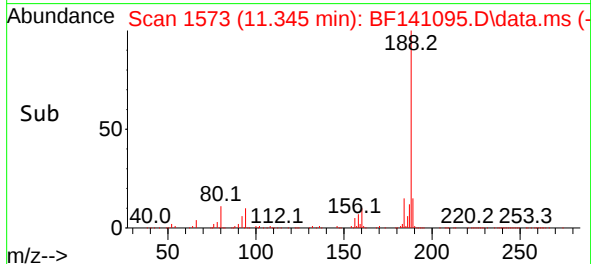
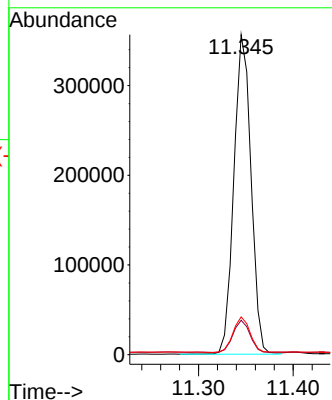
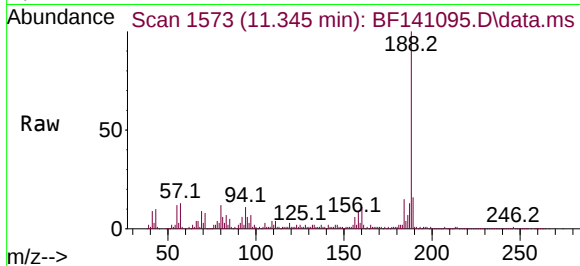




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141095.D
Acq: 08 Jan 2025 20:15

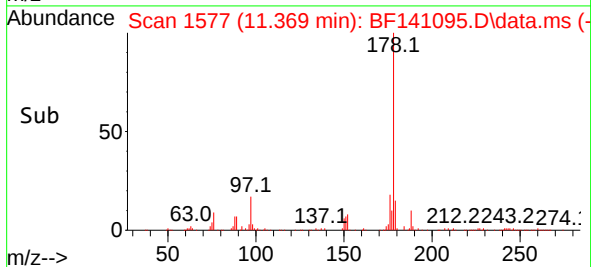
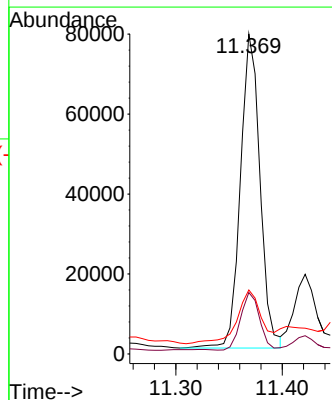
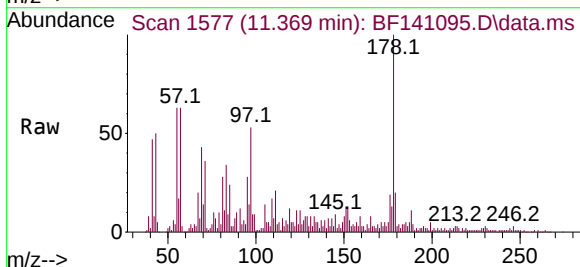
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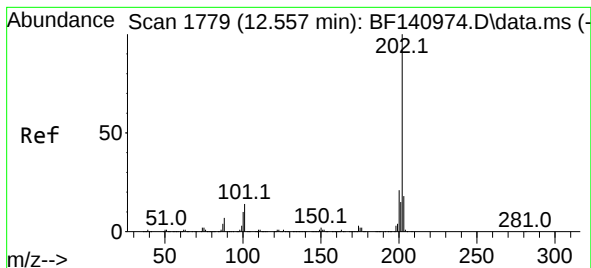
Tgt Ion:188 Resp: 446858
Ion Ratio Lower Upper
188 100
94 10.8 9.0 13.6
80 11.8 9.8 14.6



#71
Phenanthrene
Concen: 4.275 ng
RT: 11.369 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF141095.D
Acq: 08 Jan 2025 20:15

Tgt Ion:178 Resp: 100535
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.6
179 20.0 12.6 19.0#





#75

Fluoranthene

Concen: 5.929 ng

RT: 12.557 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF141095.D

Acq: 08 Jan 2025 20:15

Instrument :

BNA_F

ClientSampleId :

HR-02-01072025

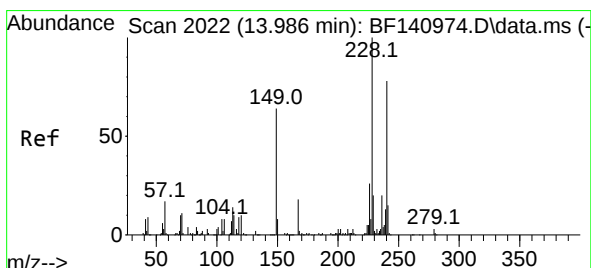
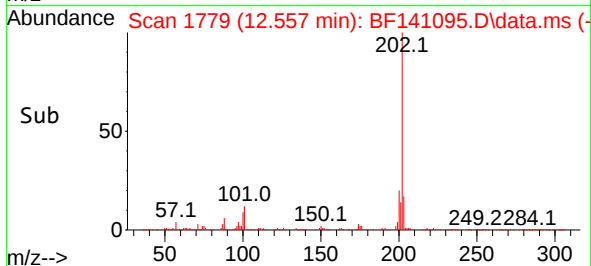
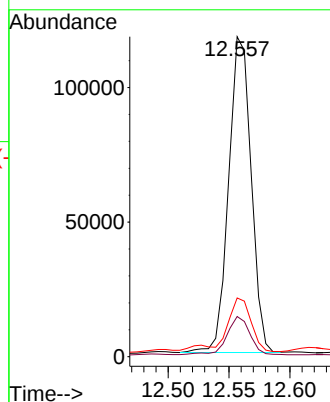
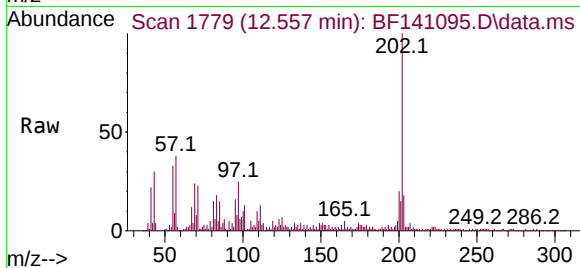
Tgt Ion:202 Resp: 151238

Ion Ratio Lower Upper

202 100

101 12.6 0.0 33.7

203 18.4 0.0 38.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.986 min Scan# 2022

Delta R.T. -0.000 min

Lab File: BF141095.D

Acq: 08 Jan 2025 20:15

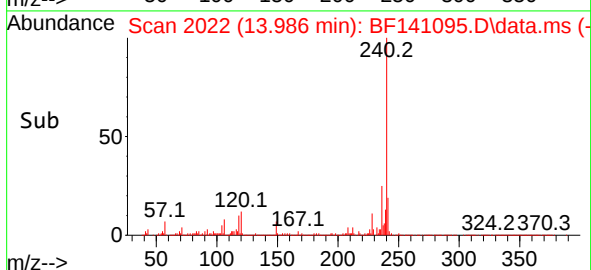
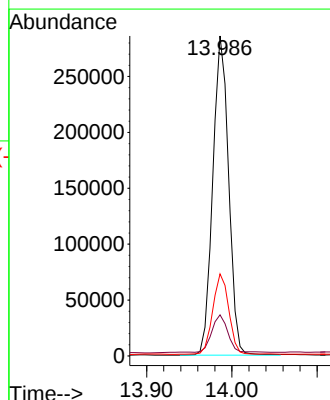
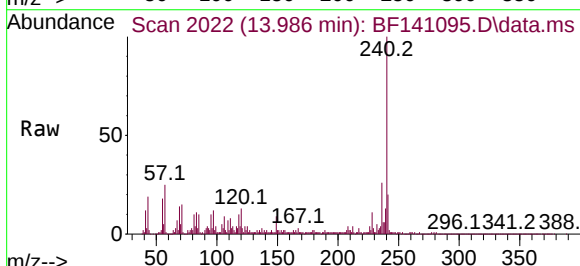
Tgt Ion:240 Resp: 369101

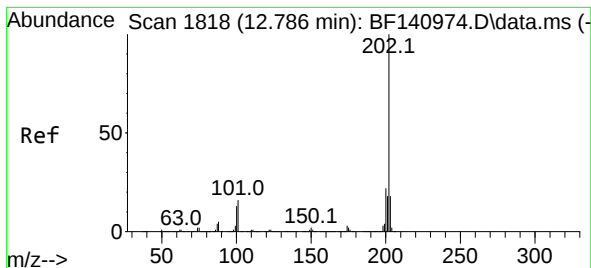
Ion Ratio Lower Upper

240 100

120 12.9 10.7 16.1

236 25.7 20.6 31.0





#78

Pyrene

Concen: 4.746 ng

RT: 12.786 min Scan# 1818

Delta R.T. -0.000 min

Lab File: BF141095.D

Acq: 08 Jan 2025 20:15

Instrument :

BNA_F

ClientSampleId :

HR-02-01072025

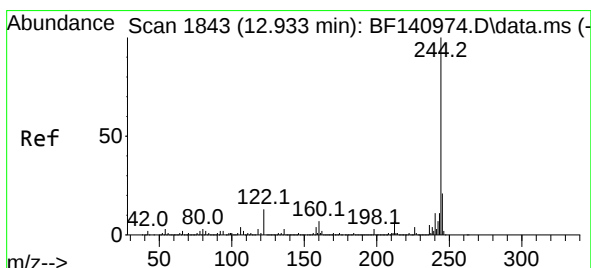
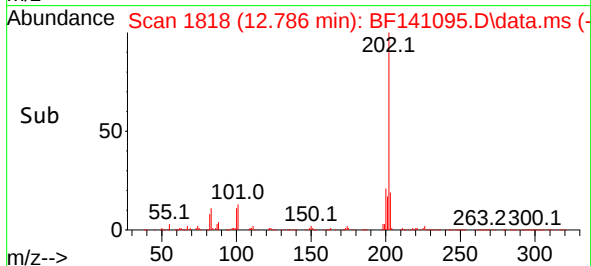
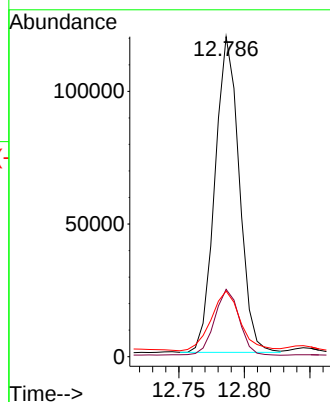
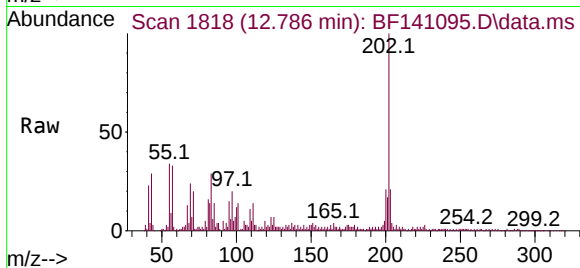
Tgt Ion:202 Resp: 153189

Ion Ratio Lower Upper

202 100

200 21.1 17.3 25.9

203 20.5 14.6 21.8



#79

Terphenyl-d14

Concen: 47.759 ng

RT: 12.933 min Scan# 1843

Delta R.T. -0.000 min

Lab File: BF141095.D

Acq: 08 Jan 2025 20:15

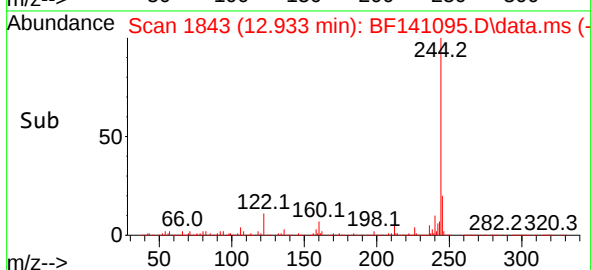
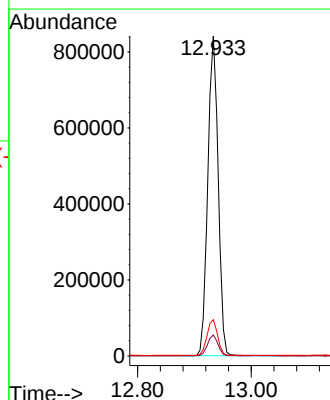
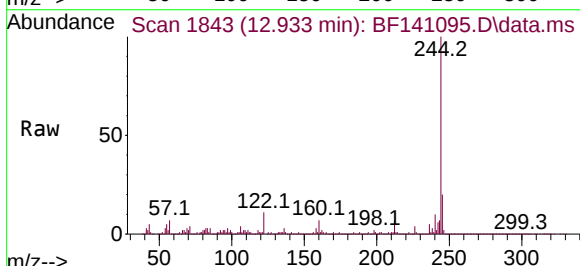
Tgt Ion:244 Resp: 1061275

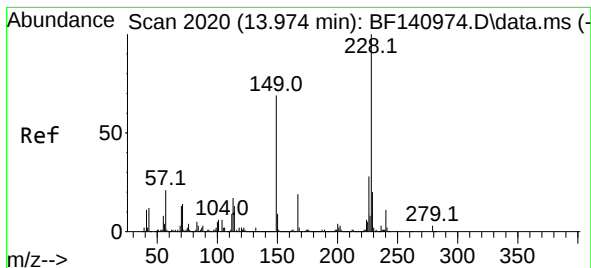
Ion Ratio Lower Upper

244 100

212 6.5 5.7 8.5

122 11.3 10.2 15.2





#81

Benzo(a)anthracene

Concen: 2.688 ng

RT: 13.974 min Scan# 2020

Delta R.T. -0.000 min

Lab File: BF141095.D

Acq: 08 Jan 2025 20:15

Instrument :

BNA_F

ClientSampleId :

HR-02-01072025

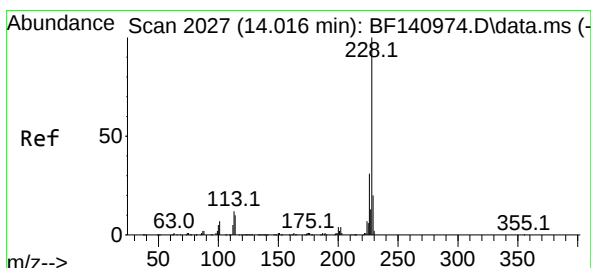
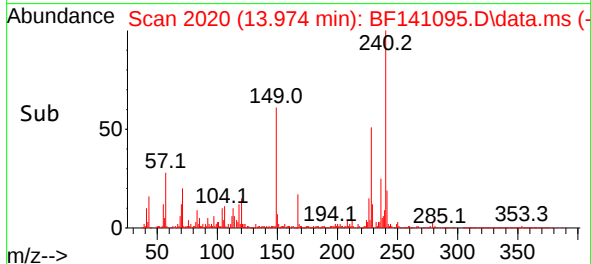
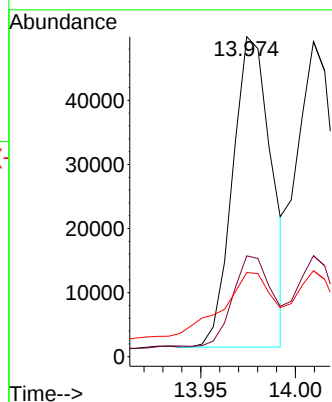
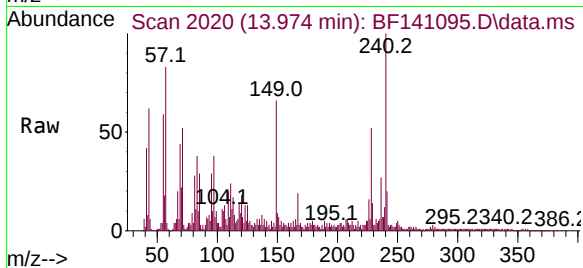
Tgt Ion:228 Resp: 69143

Ion Ratio Lower Upper

228 100

226 31.5 22.1 33.1

229 26.3 16.2 24.2#



#83

Chrysene

Concen: 2.843 ng

RT: 14.010 min Scan# 2026

Delta R.T. -0.006 min

Lab File: BF141095.D

Acq: 08 Jan 2025 20:15

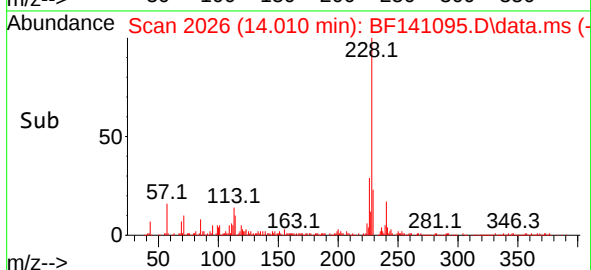
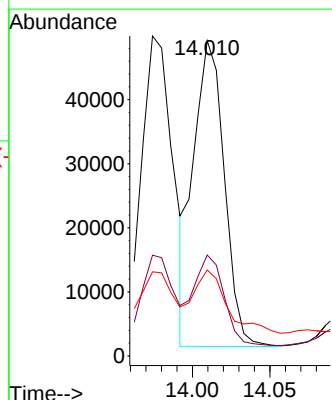
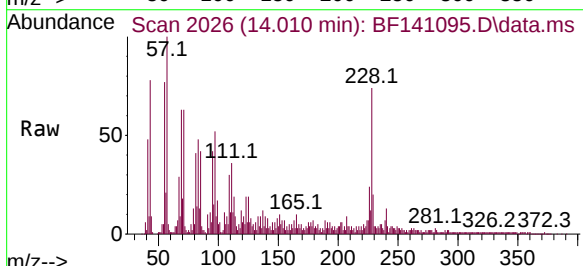
Tgt Ion:228 Resp: 65924

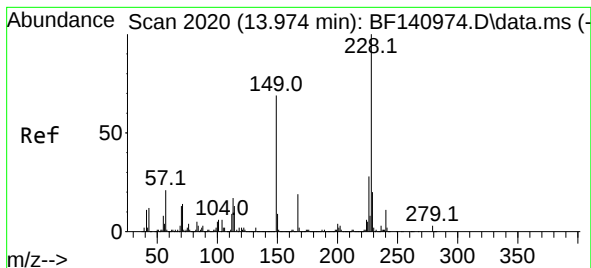
Ion Ratio Lower Upper

228 100

226 32.0 24.5 36.7

229 27.3 16.2 24.4#

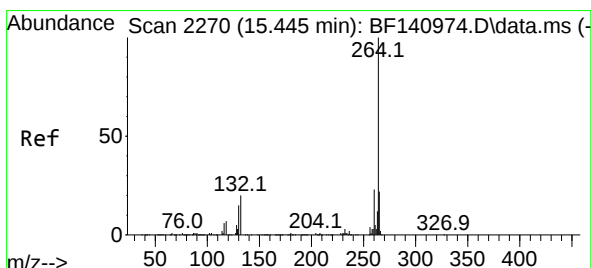
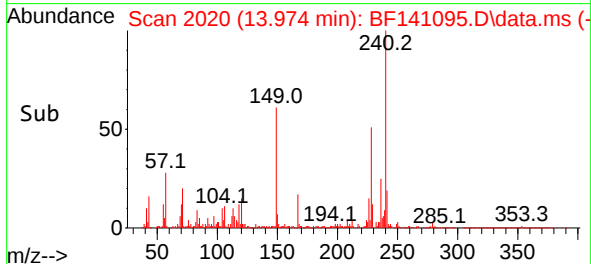
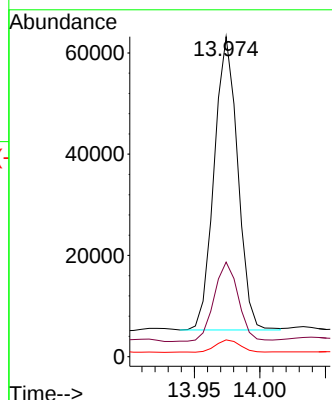
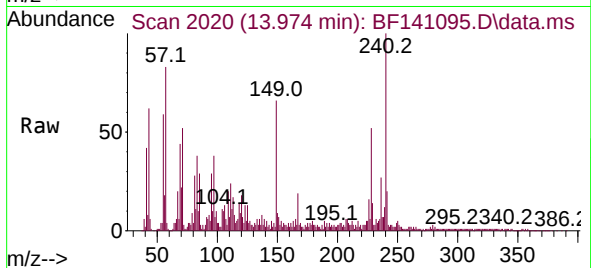




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.720 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF141095.D
Acq: 08 Jan 2025 20:15

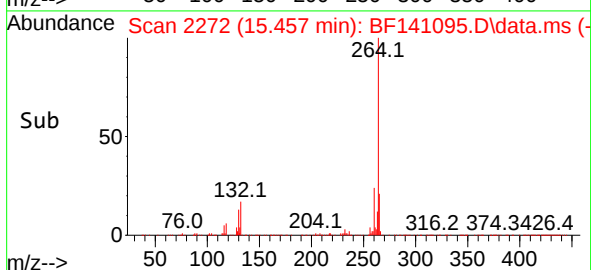
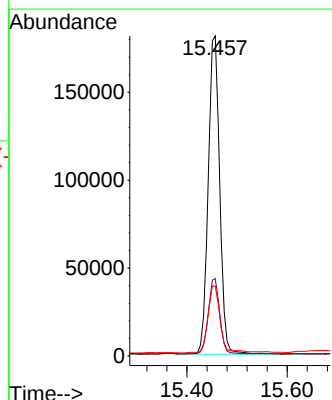
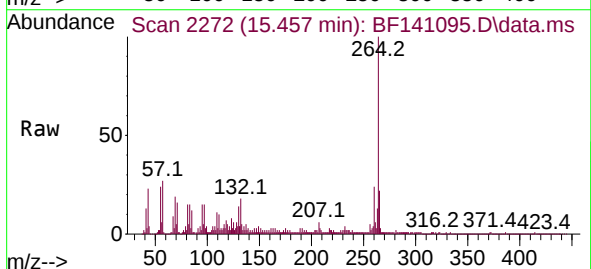
Instrument :
BNA_F
ClientSampleId :
HR-02-01072025

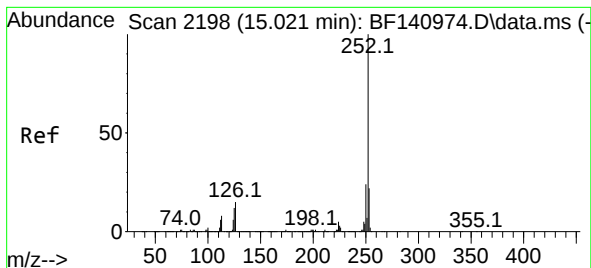
Tgt Ion:149 Resp: 72165
Ion Ratio Lower Upper
149 100
167 29.6 21.6 32.4
279 5.3 3.2 4.8#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2272
Delta R.T. 0.012 min
Lab File: BF141095.D
Acq: 08 Jan 2025 20:15

Tgt Ion:264 Resp: 287843
Ion Ratio Lower Upper
264 100
260 24.2 18.7 28.1
265 21.8 17.4 26.2





#88

Benzo(b)fluoranthene

Concen: 3.151 ng m

RT: 15.027 min Scan# 2198

Delta R.T. 0.006 min

Lab File: BF141095.D

Acq: 08 Jan 2025 20:15

Instrument :

BNA_F

ClientSampleId :

HR-02-01072025

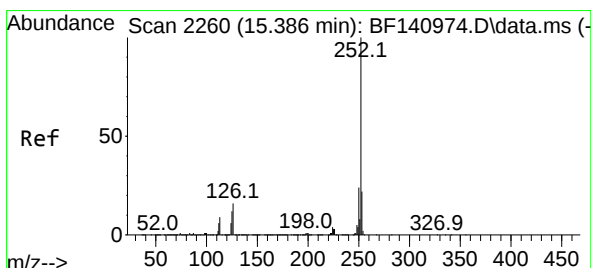
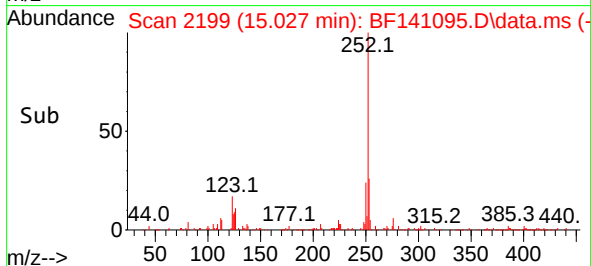
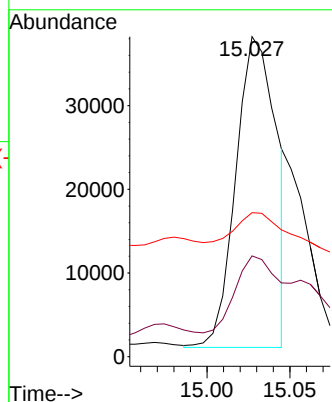
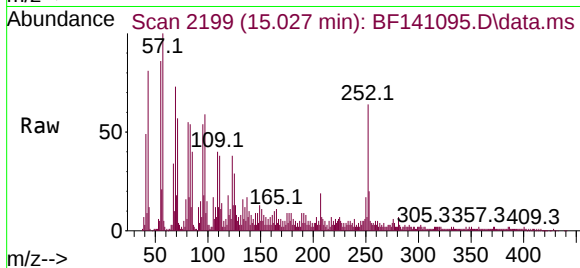
Tgt Ion:252 Resp: 63263

Ion Ratio Lower Upper

252 100

253 31.5 17.7 26.5#

125 45.0 9.3 13.9#



#90

Benzo(a)pyrene

Concen: 2.788 ng

RT: 15.392 min Scan# 2261

Delta R.T. 0.006 min

Lab File: BF141095.D

Acq: 08 Jan 2025 20:15

Tgt Ion:252 Resp: 43438

Ion Ratio Lower Upper

252 100

253 29.6 17.2 25.8#

125 48.2 9.8 14.8#

