

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020425\
 Data File : BF141432.D
 Acq On : 05 Feb 2025 01:41
 Operator : RC/JU
 Sample : Q1281-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02--2-03-2025

Quant Time: Feb 05 02:13:37 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)

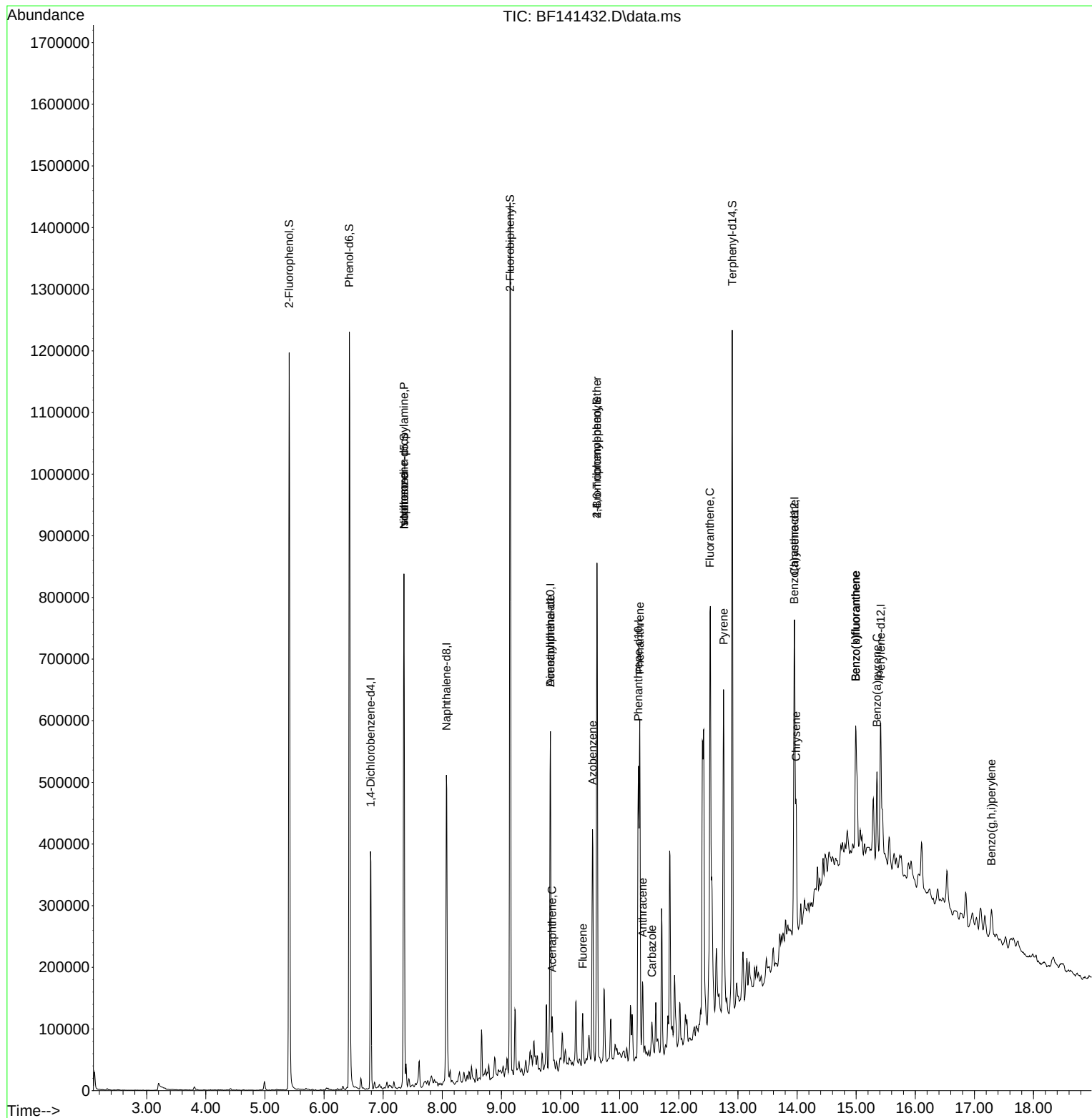
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	77638	20.000	ng	-0.02
21) Naphthalene-d8	8.069	136	301309	20.000	ng	-0.02
39) Acenaphthene-d10	9.828	164	157157	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	232556	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	164734	20.000	ng	#-0.02
86) Perylene-d12	15.416	264	128615	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	425973	84.231	ng	0.00
7) Phenol-d6	6.428	99	526532	81.844	ng	-0.01
23) Nitrobenzene-d5	7.351	82	346944	60.701	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	119144	82.695	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	609123	59.657	ng	-0.02
79) Terphenyl-d14	12.904	244	521181	48.791	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	48311	12.638	ng	# 78
25) Isophorone	7.351	82	342768	34.693	ng	# 65
50) Dimethylphthalate	9.828	163	23824	2.245	ng	# 1
52) Acenaphthene	9.857	154	24432	2.557	ng	98
58) Fluorene	10.375	166	30423	3.067	ng	98
63) Azobenzene	10.539	77	92727	9.001	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	8521	3.273	ng	# 1
71) Phenanthrene	11.339	178	285014	22.800	ng	100
72) Anthracene	11.386	178	69590	5.681	ng	98
73) Carbazole	11.545	167	27378	2.521	ng	# 94
75) Fluoranthene	12.527	202	358279	29.026	ng	97
78) Pyrene	12.757	202	303421	19.188	ng	98
81) Benzo(a)anthracene	13.951	228	147886	13.009	ng	95
83) Chrysene	13.986	228	109075	10.470	ng	96
88) Benzo(b)fluoranthene	14.992	252	164706	20.359	ng	94
89) Benzo(k)fluoranthene	14.992	252	164706	22.981	ng	94
90) Benzo(a)pyrene	15.351	252	82818	12.114	ng	97
92) Benzo(g,h,i)perylene	17.286	276	39390	5.672	ng	95

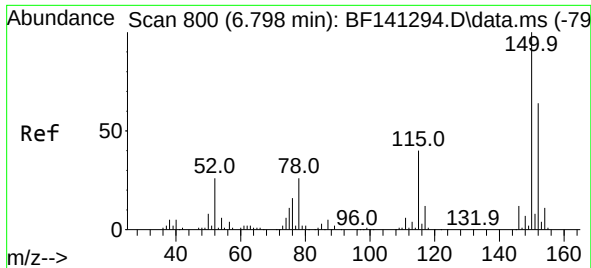
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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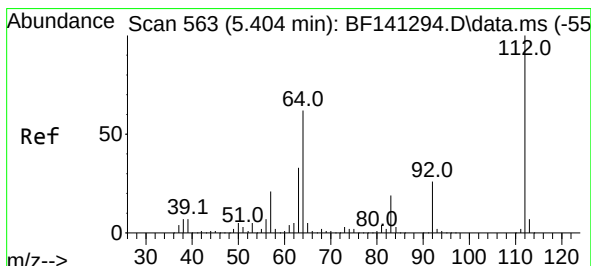
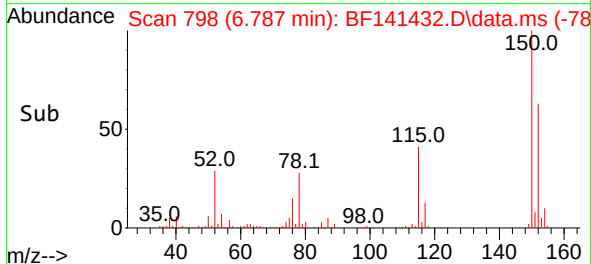
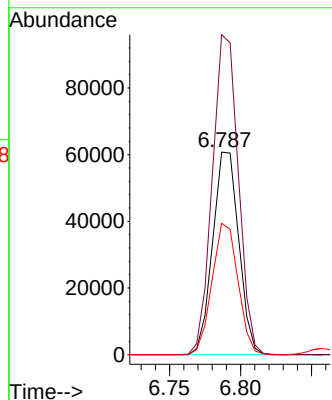
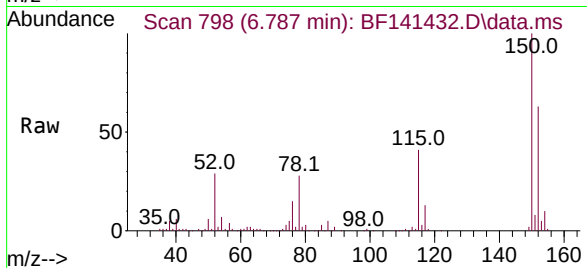




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 79
 Delta R.T. -0.017 min
 Lab File: BF141432.D
 Acq: 05 Feb 2025 01:41

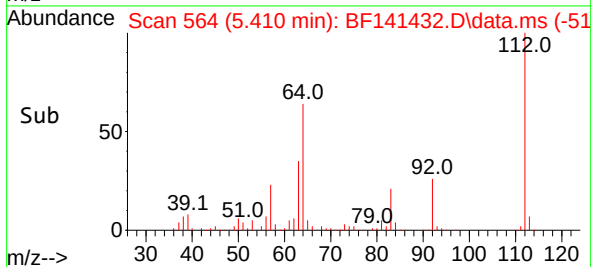
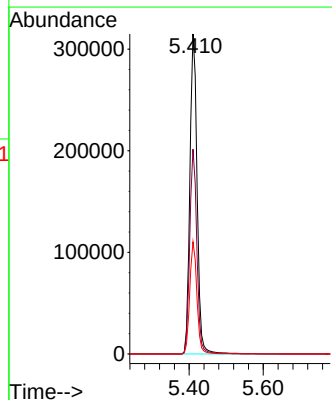
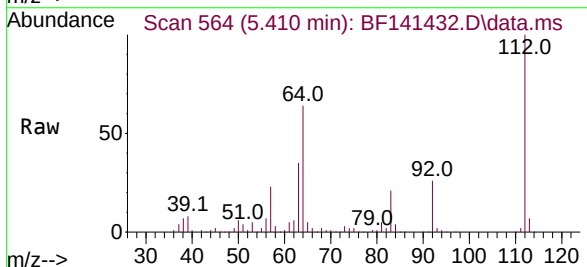
Instrument :
 BNA_F
 ClientSampleId :
 OR-02--2-03-2025

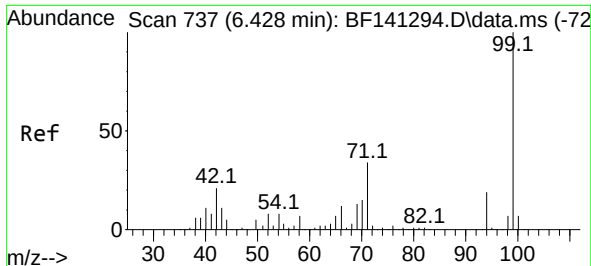
Tgt Ion:152 Resp: 77638
 Ion Ratio Lower Upper
 152 100
 150 157.9 125.9 188.9
 115 64.8 49.7 74.5



#5
 2-Fluorophenol
 Concen: 84.231 ng
 RT: 5.410 min Scan# 564
 Delta R.T. -0.000 min
 Lab File: BF141432.D
 Acq: 05 Feb 2025 01:41

Tgt Ion:112 Resp: 425973
 Ion Ratio Lower Upper
 112 100
 64 64.0 49.8 74.8
 63 35.1 26.1 39.1

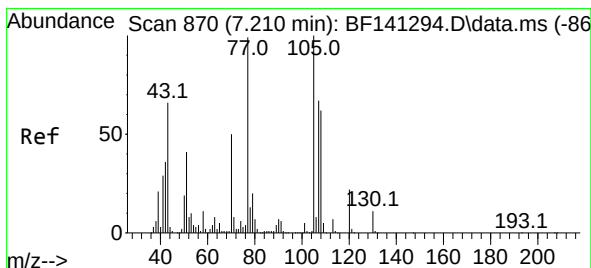
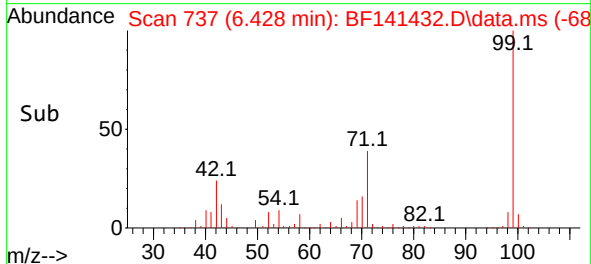
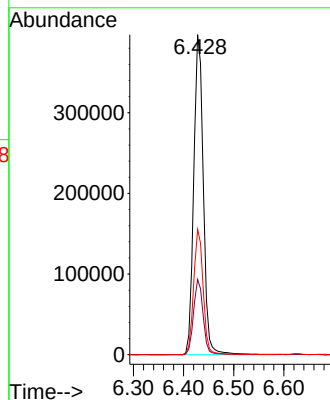
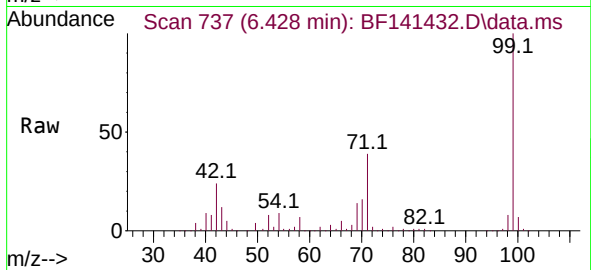




#7
Phenol-d6
Concen: 81.844 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141432.D
Acq: 05 Feb 2025 01:41

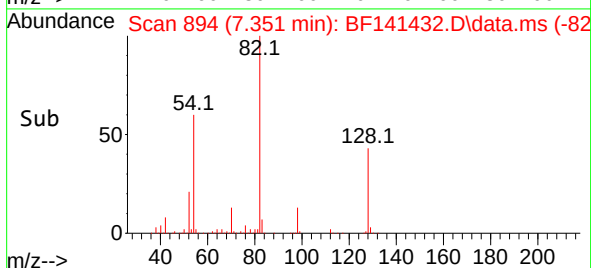
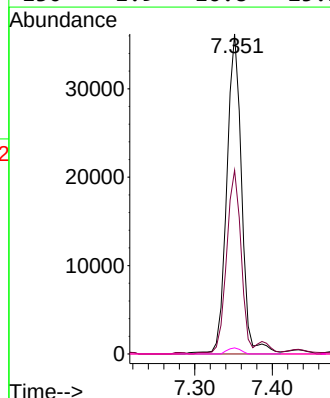
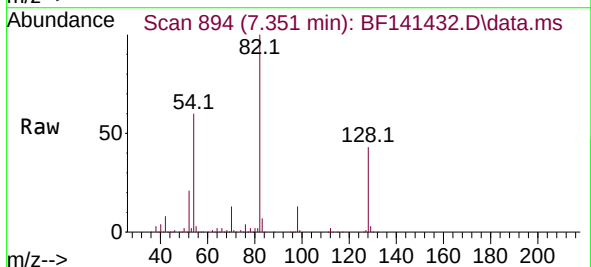
Instrument :
BNA_F
ClientSampleId :
OR-02--2-03-2025

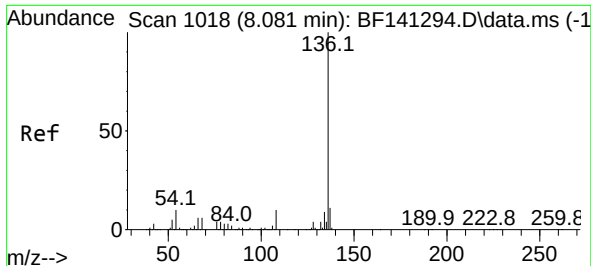
Tgt Ion: 99 Resp: 526532
Ion Ratio Lower Upper
99 100
42 23.5 17.1 25.7
71 39.1 26.9 40.3



#19
n-Nitroso-di-n-propylamine
Concen: 12.638 ng
RT: 7.351 min Scan# 894
Delta R.T. 0.123 min
Lab File: BF141432.D
Acq: 05 Feb 2025 01:41

Tgt Ion: 70 Resp: 48311
Ion Ratio Lower Upper
70 100
42 57.4 56.8 85.2
101 0.0 7.7 11.5#
130 1.9 16.8 25.2#



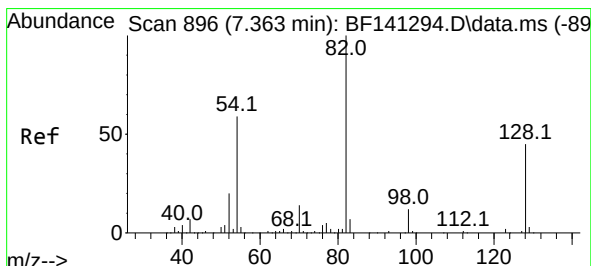
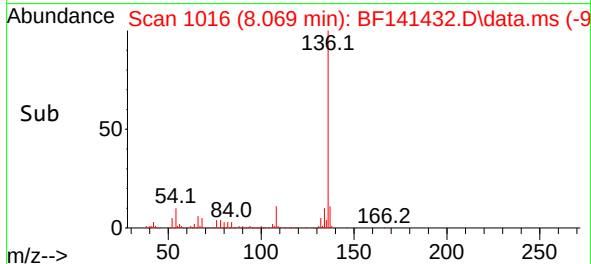
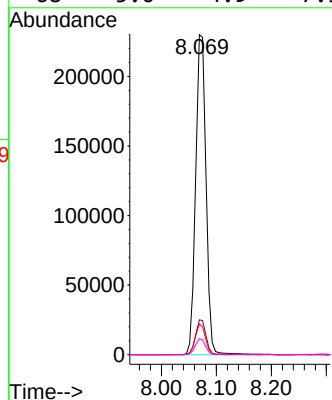
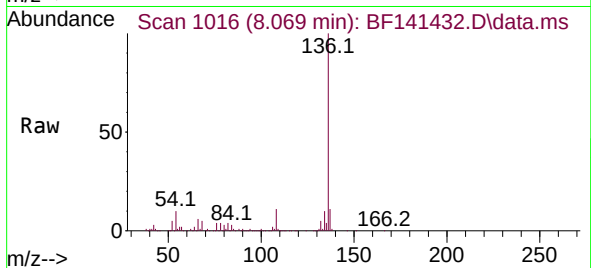


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF141432.D
Acq: 05 Feb 2025 01:41

Instrument :
BNA_F
ClientSampleId :
OR-02--2-03-2025

Tgt Ion:136 Resp: 301309

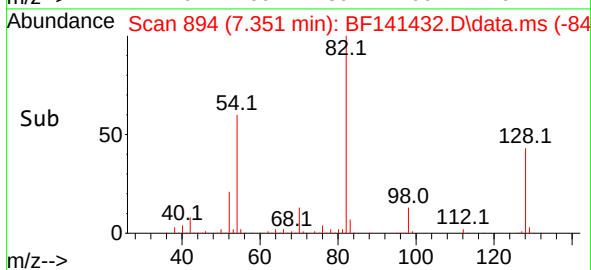
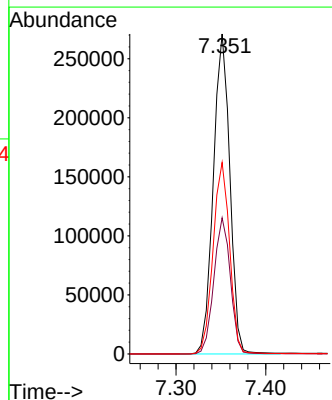
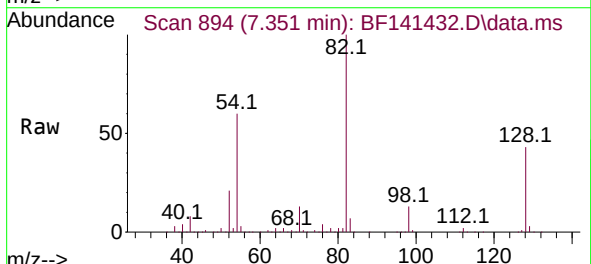
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	9.6	7.8	11.8
68	5.0	4.9	7.3

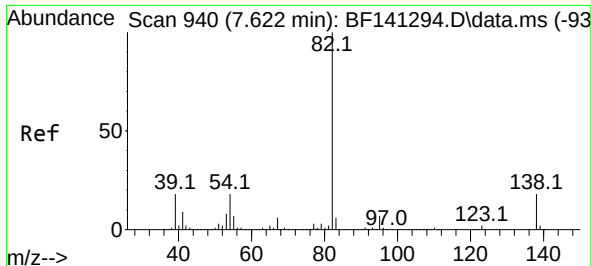


#23
Nitrobenzene-d5
Concen: 60.701 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.018 min
Lab File: BF141432.D
Acq: 05 Feb 2025 01:41

Tgt Ion: 82 Resp: 346944

Ion	Ratio	Lower	Upper
82	100		
128	42.5	35.7	53.5
54	59.8	47.1	70.7

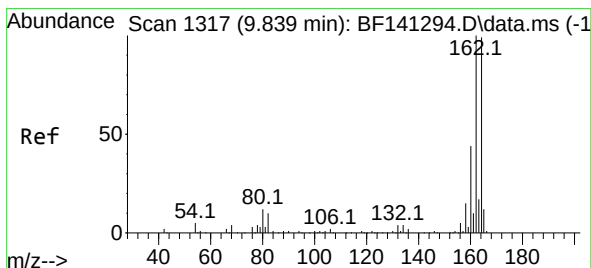
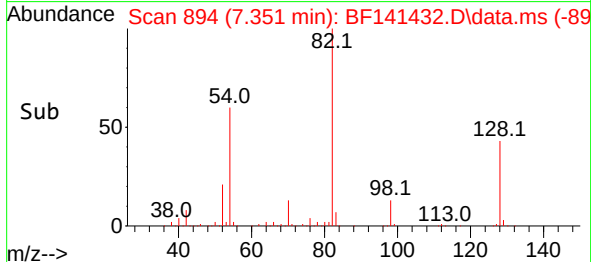
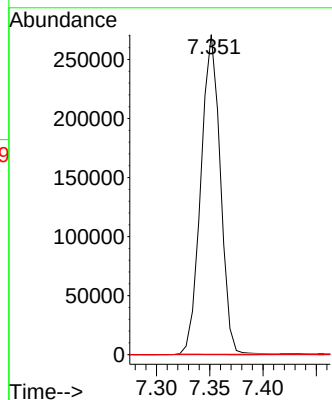
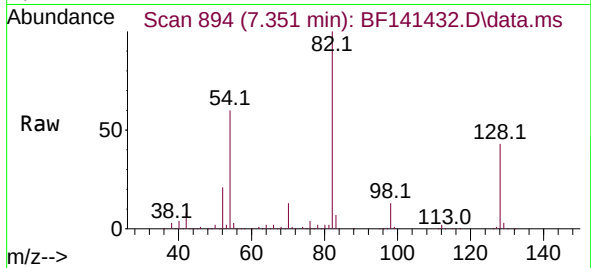




#25
Isophorone
Concen: 34.693 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF141432.D
Acq: 05 Feb 2025 01:41

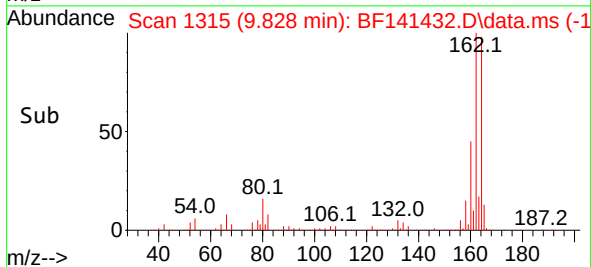
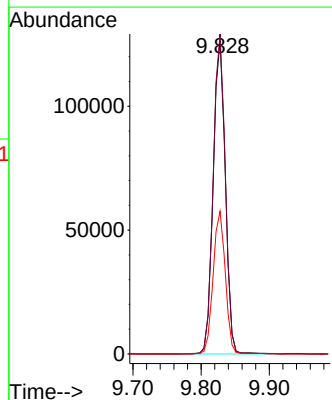
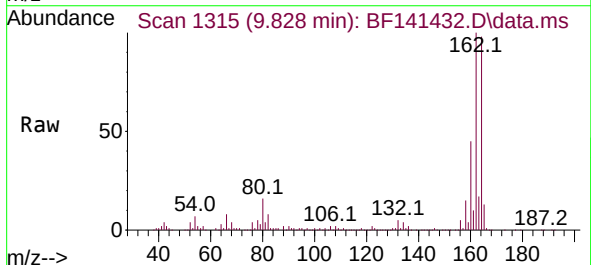
Instrument :
BNA_F
ClientSampleId :
OR-02--2-03-2025

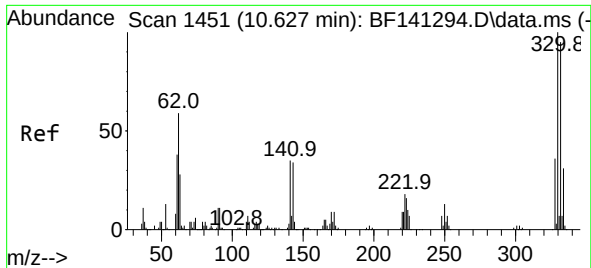
Tgt Ion: 82 Resp: 342768
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.6#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF141432.D
Acq: 05 Feb 2025 01:41

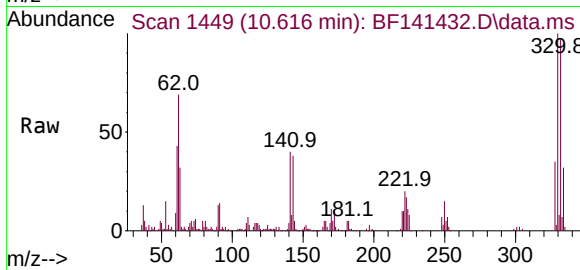
Tgt Ion: 164 Resp: 157157
Ion Ratio Lower Upper
164 100
162 102.2 80.6 121.0
160 45.6 35.8 53.6



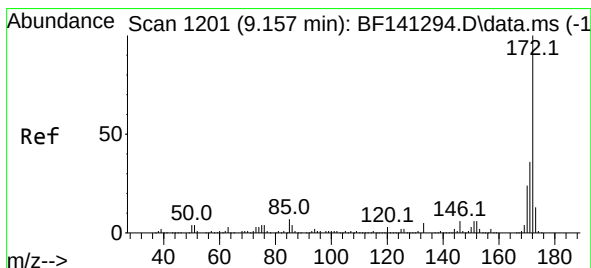
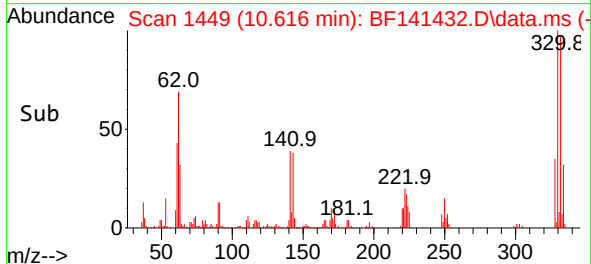
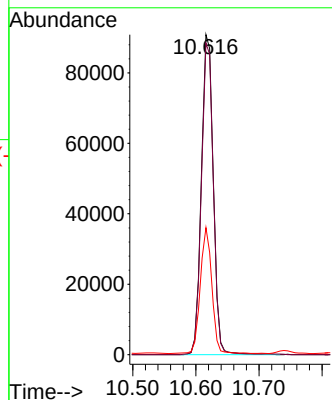


#42
 2,4,6-Tribromophenol
 Concen: 82.695 ng
 RT: 10.616 min Scan# 1449
 Delta R.T. -0.018 min
 Lab File: BF141432.D
 Acq: 05 Feb 2025 01:41

Instrument :
 BNA_F
 ClientSampleId :
 OR-02--2-03-2025

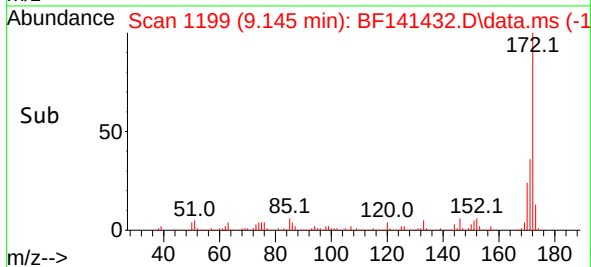
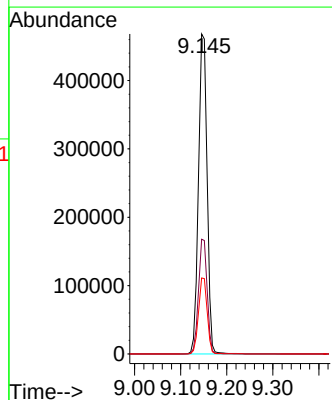
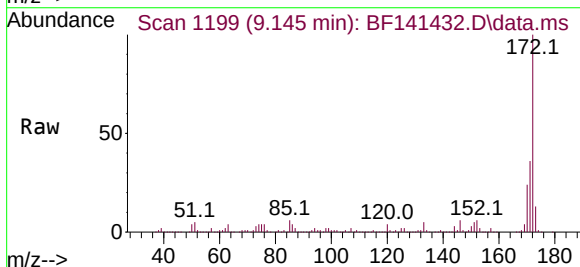


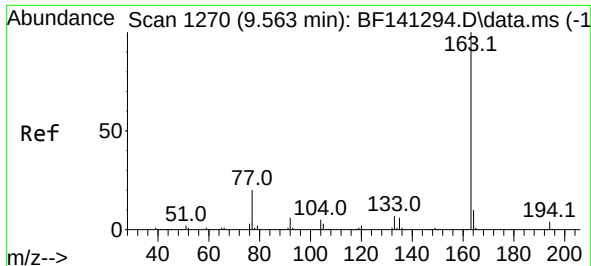
Tgt Ion:330 Resp: 119144
 Ion Ratio Lower Upper
 330 100
 332 97.0 76.1 114.1
 141 38.0 28.8 43.2



#45
 2-Fluorobiphenyl
 Concen: 59.657 ng
 RT: 9.145 min Scan# 1199
 Delta R.T. -0.018 min
 Lab File: BF141432.D
 Acq: 05 Feb 2025 01:41

Tgt Ion:172 Resp: 609123
 Ion Ratio Lower Upper
 172 100
 171 35.8 28.8 43.2
 170 23.7 19.0 28.6

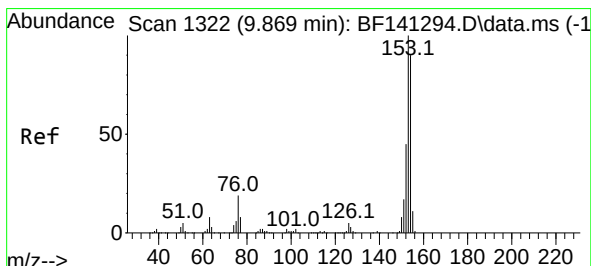
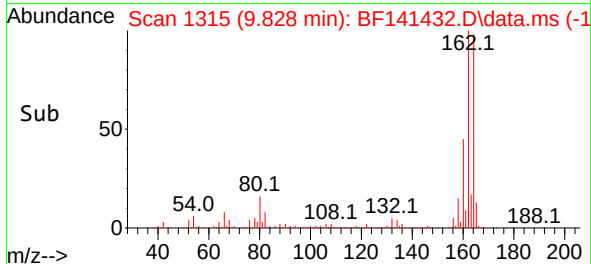
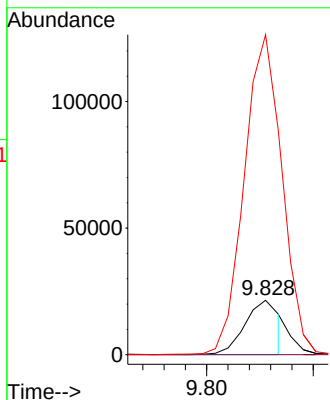
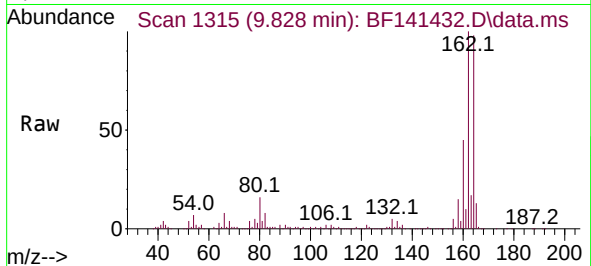




#50
Dimethylphthalate
Concen: 2.245 ng
RT: 9.828 min Scan# 11
Delta R.T. 0.259 min
Lab File: BF141432.D
Acq: 05 Feb 2025 01:41

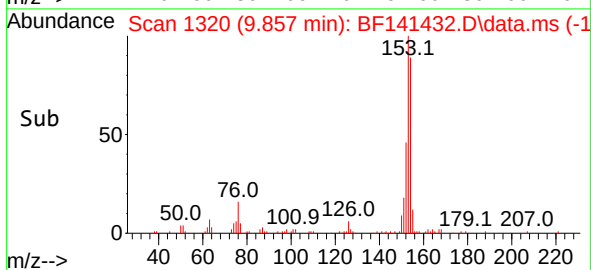
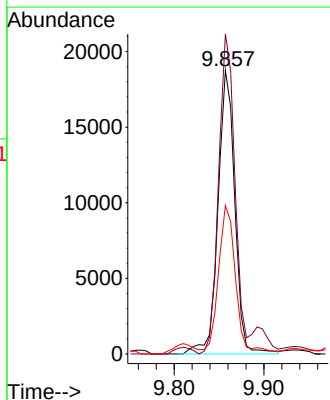
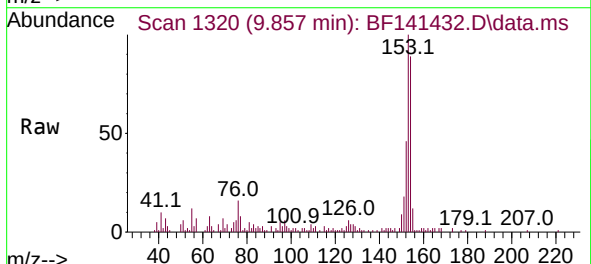
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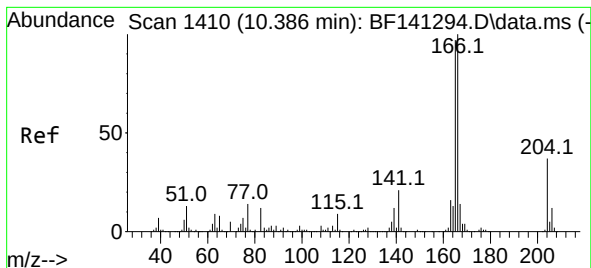
Tgt Ion:163 Resp: 23824
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 588.1 8.0 12.0#



#52
Acenaphthene
Concen: 2.557 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.018 min
Lab File: BF141432.D
Acq: 05 Feb 2025 01:41

Tgt Ion:154 Resp: 24432
Ion Ratio Lower Upper
154 100
153 112.9 89.0 133.4
152 52.4 40.2 60.4





#58

Fluorene

Concen: 3.067 ng

RT: 10.375 min Scan# 1410

Delta R.T. -0.018 min

Lab File: BF141432.D

Acq: 05 Feb 2025 01:41

Instrument :

BNA_F

ClientSampleId :

OR-02--2-03-2025

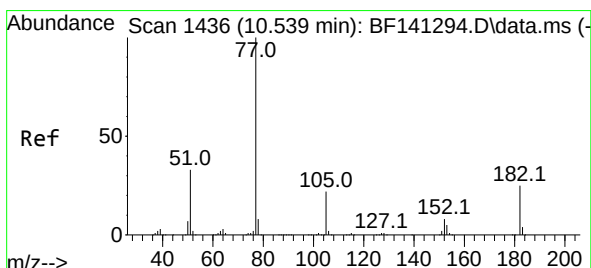
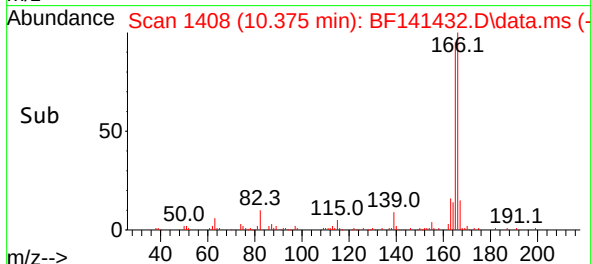
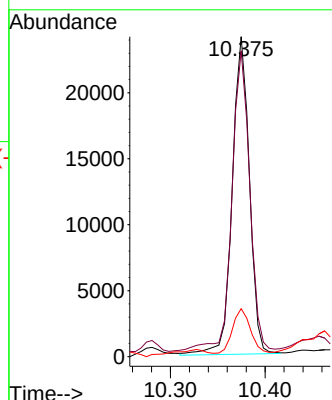
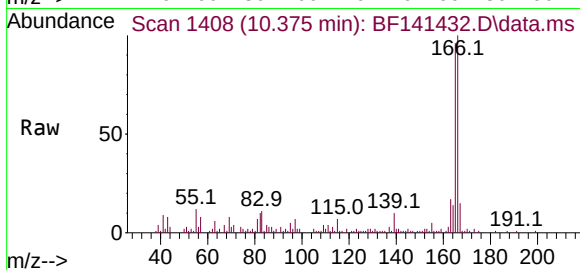
Tgt Ion:166 Resp: 30423

Ion Ratio Lower Upper

166 100

165 95.6 77.5 116.3

167 15.0 10.9 16.3



#63

Azobenzene

Concen: 9.001 ng

RT: 10.539 min Scan# 1436

Delta R.T. -0.006 min

Lab File: BF141432.D

Acq: 05 Feb 2025 01:41

Tgt Ion: 77 Resp: 92727

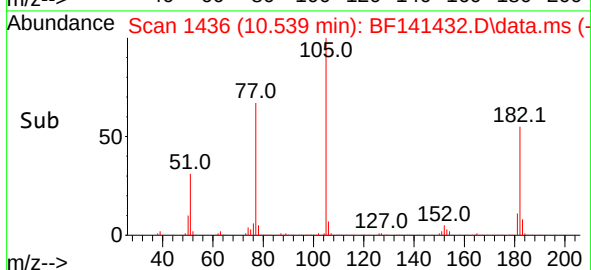
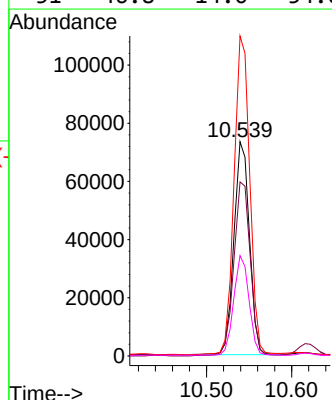
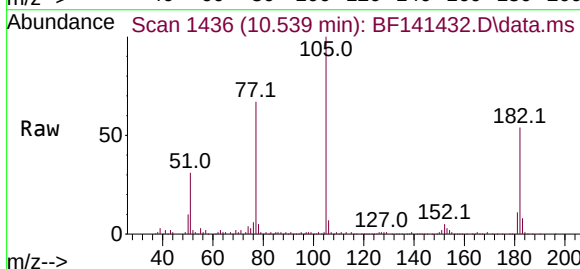
Ion Ratio Lower Upper

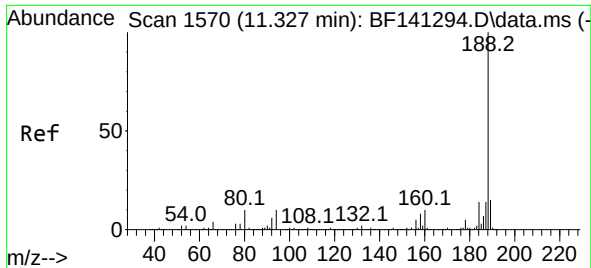
77 100

182 81.2 5.1 45.1#

105 149.3 1.8 41.8#

51 46.8 14.0 54.0

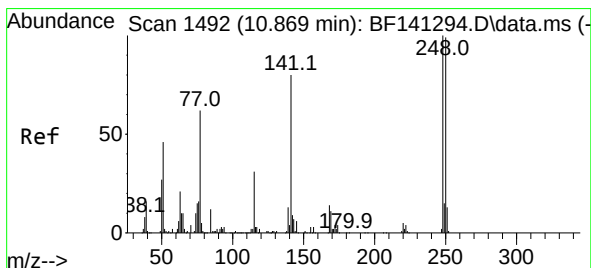
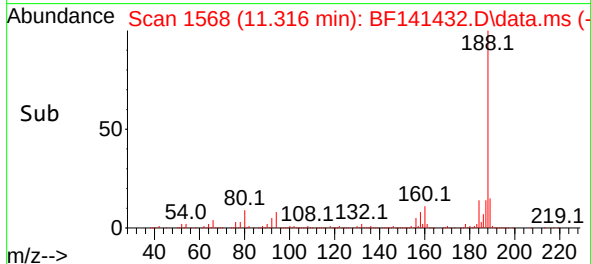
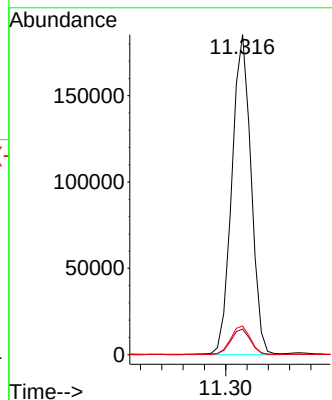
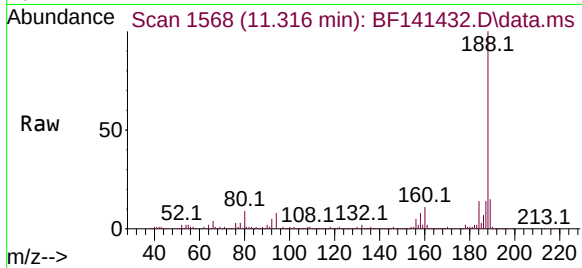




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141432.D
Acq: 05 Feb 2025 01:41

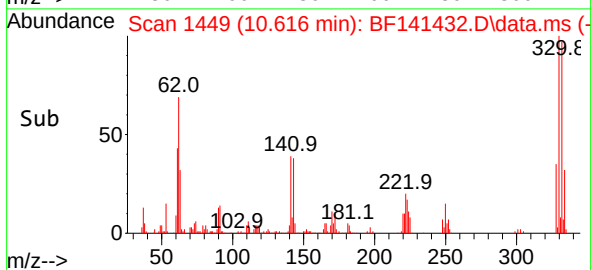
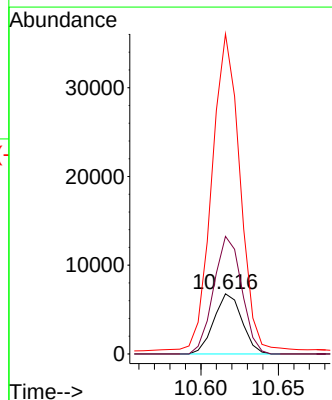
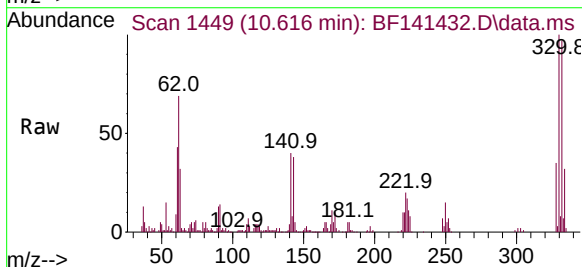
Instrument :
BNA_F
ClientSampleId :
OR-02--2-03-2025

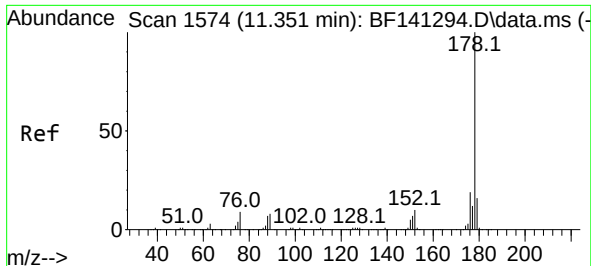
Tgt Ion:188 Resp: 232556
Ion Ratio Lower Upper
188 100
94 8.0 7.8 11.6
80 9.0 8.2 12.4



#67
4-Bromophenyl-phenylether
Concen: 3.273 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.259 min
Lab File: BF141432.D
Acq: 05 Feb 2025 01:41

Tgt Ion:248 Resp: 8521
Ion Ratio Lower Upper
248 100
250 195.5 79.0 118.4#
141 531.8 63.7 95.5#

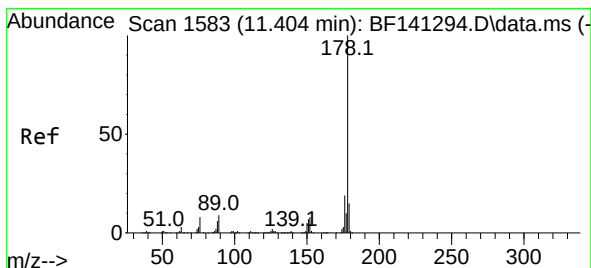
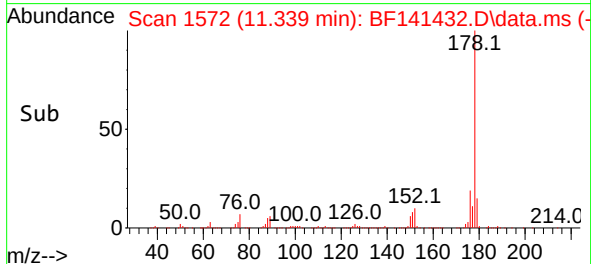
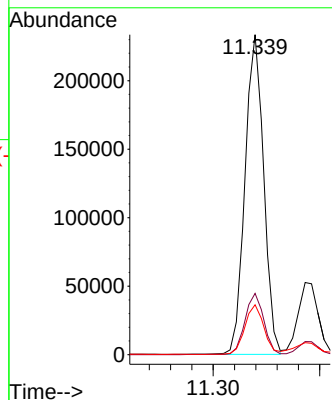
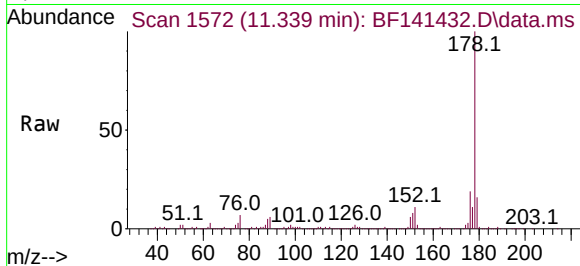




#71
Phenanthrene
Concen: 22.800 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF141432.D
Acq: 05 Feb 2025 01:41

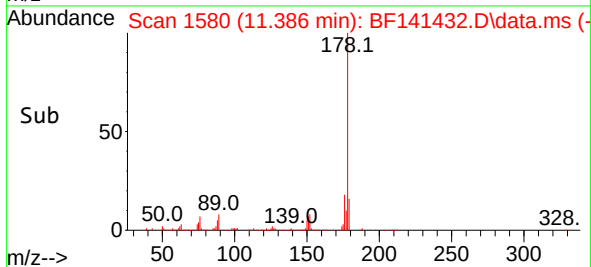
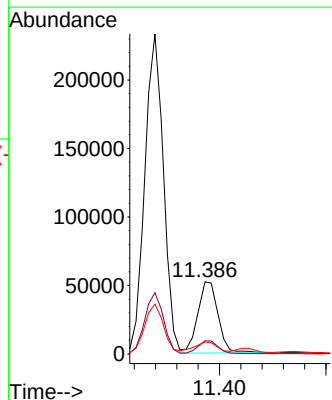
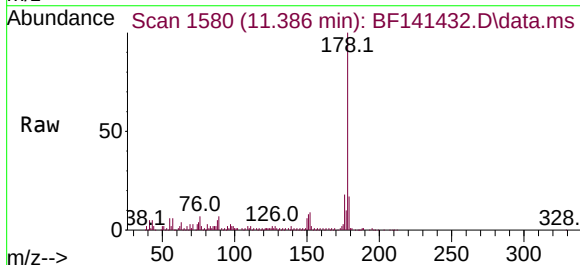
Instrument :
BNA_F
ClientSampleId :
OR-02--2-03-2025

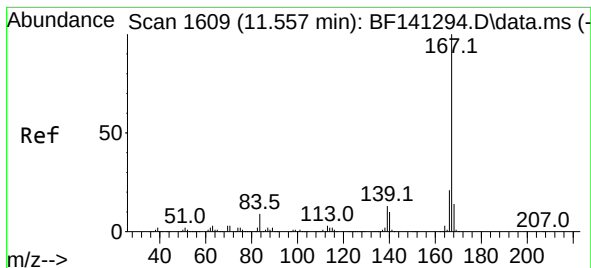
Tgt Ion:178 Resp: 285014
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.6 12.5 18.7



#72
Anthracene
Concen: 5.681 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.018 min
Lab File: BF141432.D
Acq: 05 Feb 2025 01:41

Tgt Ion:178 Resp: 69590
Ion Ratio Lower Upper
178 100
176 18.2 15.0 22.6
179 16.6 12.3 18.5





#73

Carbazole

Concen: 2.521 ng

RT: 11.545 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141432.D

Acq: 05 Feb 2025 01:41

Instrument :

BNA_F

ClientSampleId :

OR-02--2-03-2025

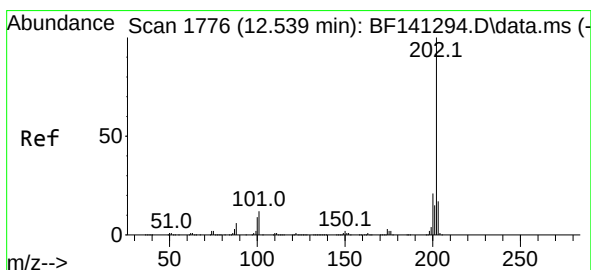
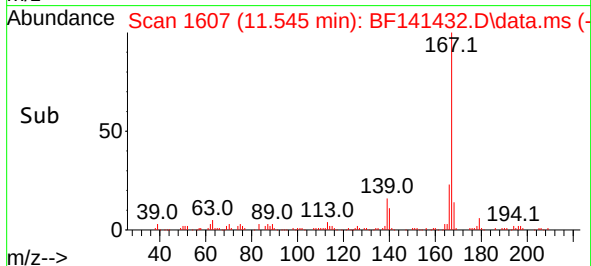
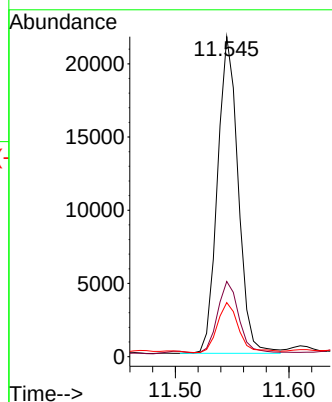
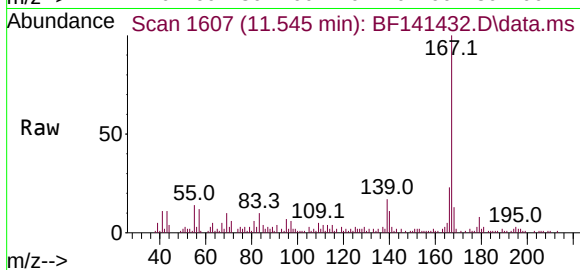
Tgt Ion:167 Resp: 27378

Ion Ratio Lower Upper

167 100

166 23.5 17.0 25.6

139 16.9 10.6 16.0#



#75

Fluoranthene

Concen: 29.026 ng

RT: 12.527 min Scan# 1774

Delta R.T. -0.012 min

Lab File: BF141432.D

Acq: 05 Feb 2025 01:41

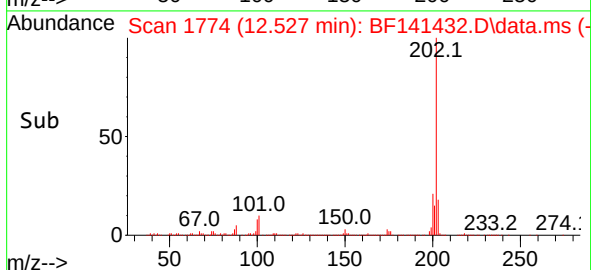
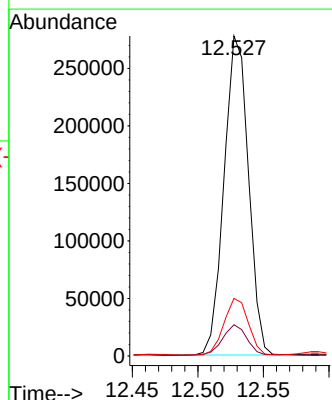
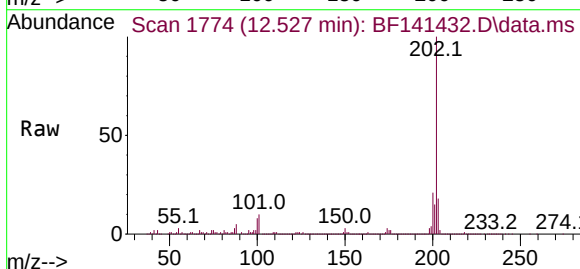
Tgt Ion:202 Resp: 358279

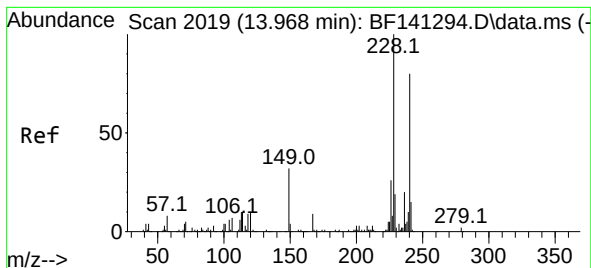
Ion Ratio Lower Upper

202 100

101 9.7 0.0 31.7

203 18.0 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 2019

Delta R.T. -0.018 min

Lab File: BF141432.D

Acq: 05 Feb 2025 01:41

Instrument :

BNA_F

ClientSampleId :

OR-02--2-03-2025

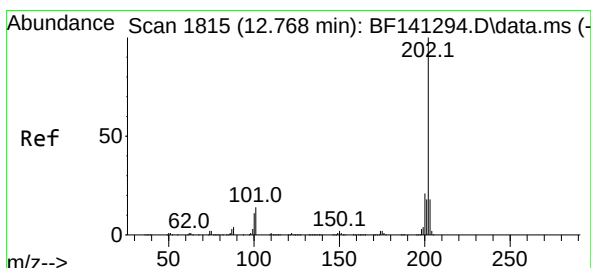
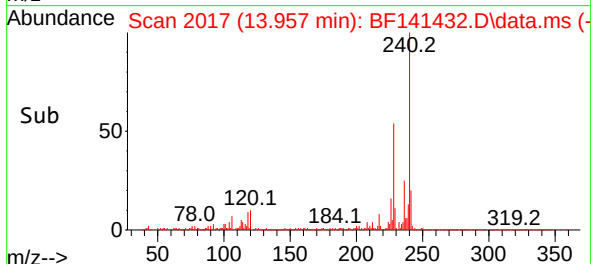
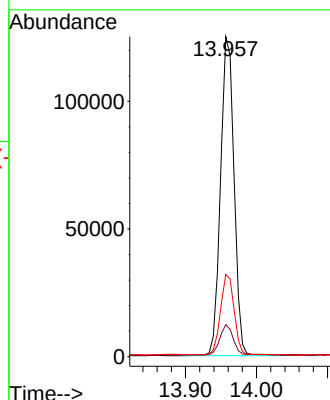
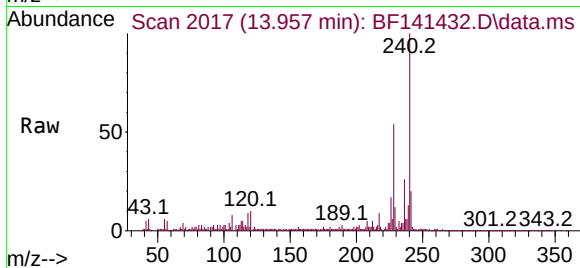
Tgt Ion:240 Resp: 164734

Ion Ratio Lower Upper

240 100

120 10.0 10.0 15.0#

236 25.7 19.7 29.5



#78

Pyrene

Concen: 19.188 ng

RT: 12.757 min Scan# 1813

Delta R.T. -0.012 min

Lab File: BF141432.D

Acq: 05 Feb 2025 01:41

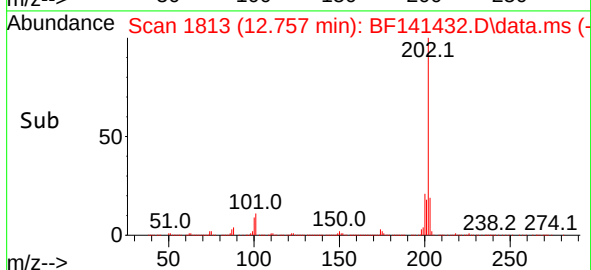
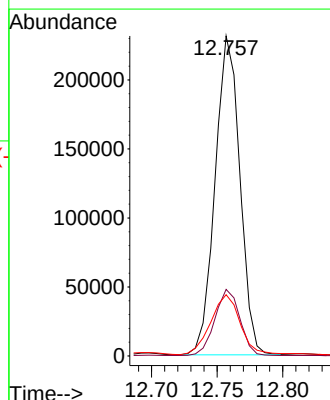
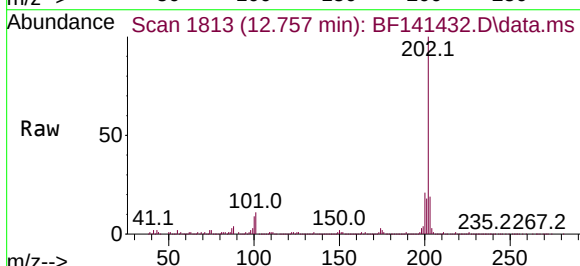
Tgt Ion:202 Resp: 303421

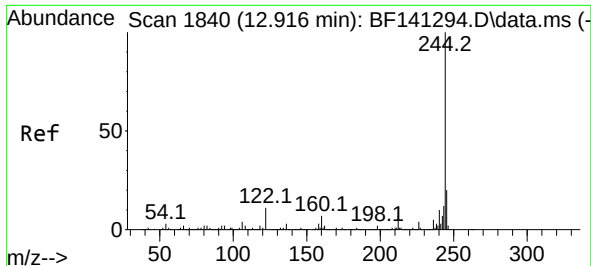
Ion Ratio Lower Upper

202 100

200 20.8 17.0 25.4

203 19.2 14.3 21.5

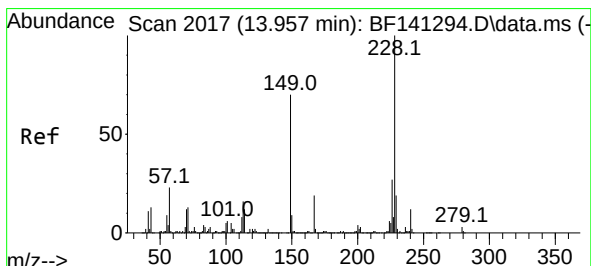
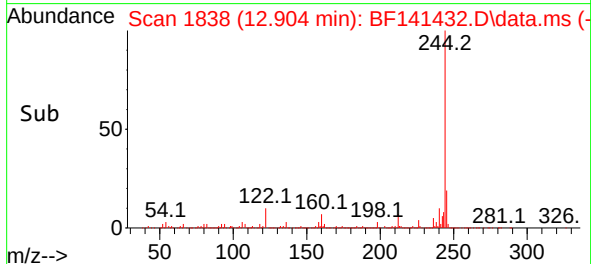
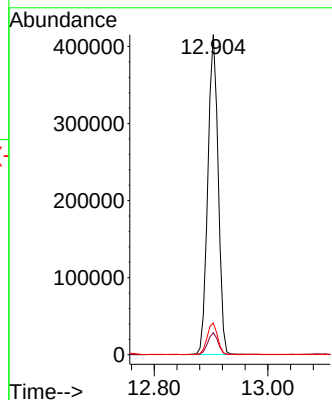
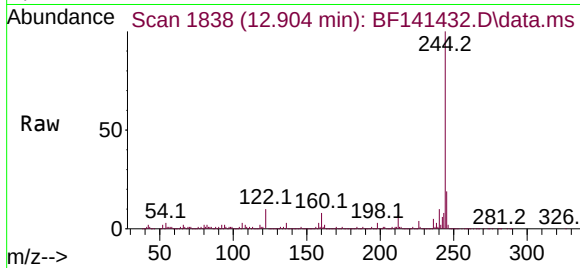




#79
 Terphenyl-d14
 Concen: 48.791 ng
 RT: 12.904 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF141432.D
 Acq: 05 Feb 2025 01:41

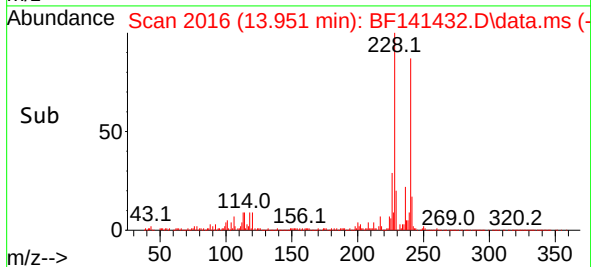
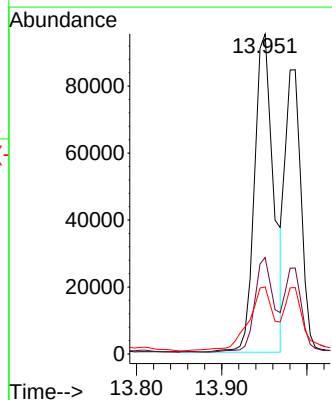
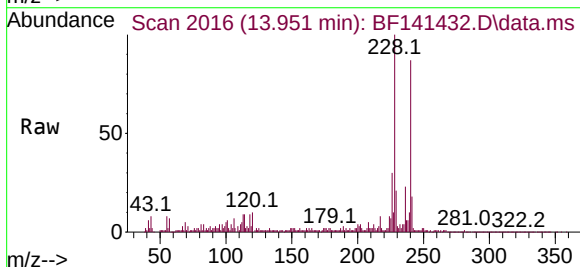
Instrument :
 BNA_F
 ClientSampleId :
 OR-02--2-03-2025

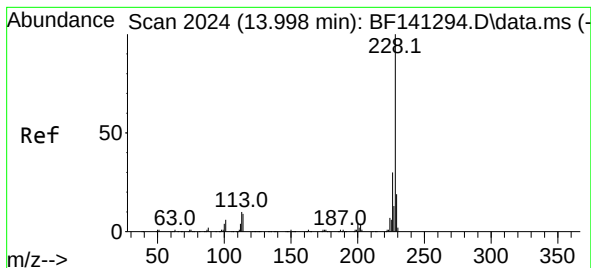
Tgt Ion:244 Resp: 521181
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 9.9 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 13.009 ng
 RT: 13.951 min Scan# 2016
 Delta R.T. -0.012 min
 Lab File: BF141432.D
 Acq: 05 Feb 2025 01:41

Tgt Ion:228 Resp: 147886
 Ion Ratio Lower Upper
 228 100
 226 30.1 21.4 32.2
 229 21.0 15.5 23.3





#83

Chrysene

Concen: 10.470 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF141432.D

Acq: 05 Feb 2025 01:41

Instrument :

BNA_F

ClientSampleId :

OR-02--2-03-2025

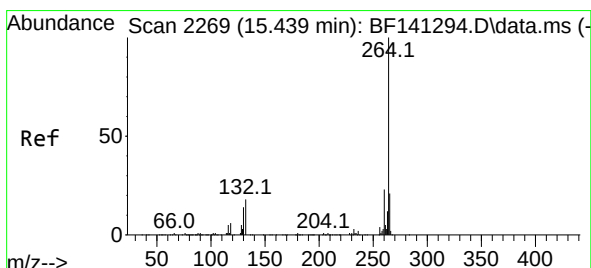
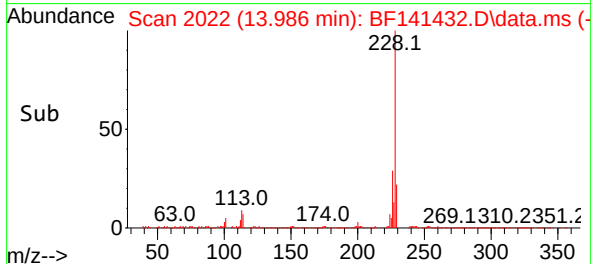
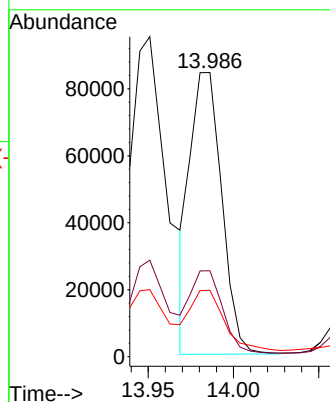
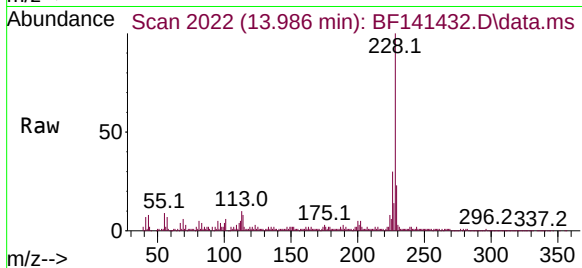
Tgt Ion:228 Resp: 109075

Ion Ratio Lower Upper

228 100

226 30.3 24.1 36.1

229 23.4 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.416 min Scan# 2265

Delta R.T. -0.024 min

Lab File: BF141432.D

Acq: 05 Feb 2025 01:41

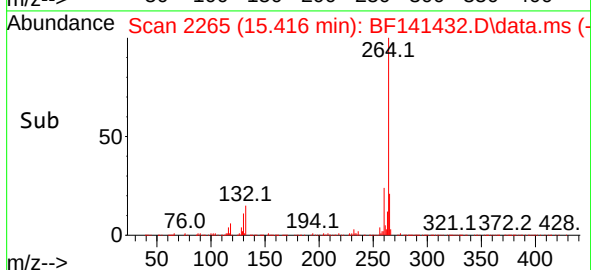
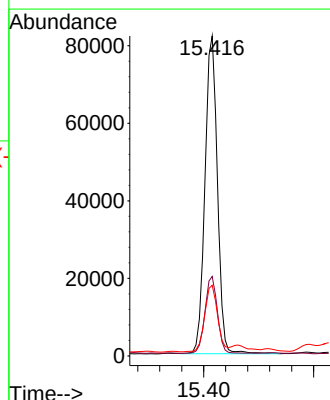
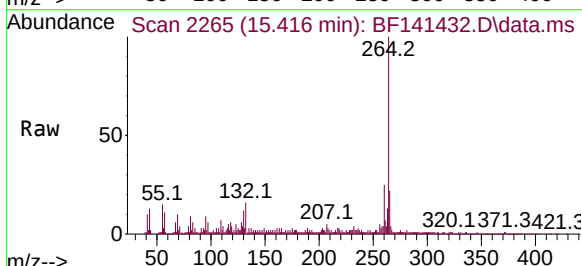
Tgt Ion:264 Resp: 128615

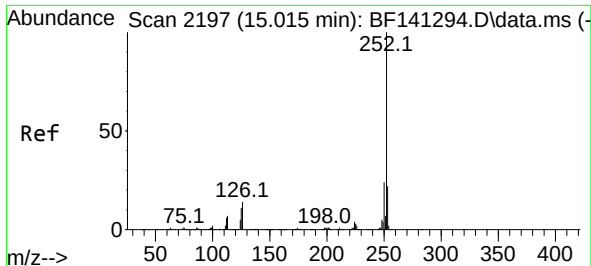
Ion Ratio Lower Upper

264 100

260 24.8 18.6 27.8

265 22.1 16.7 25.1

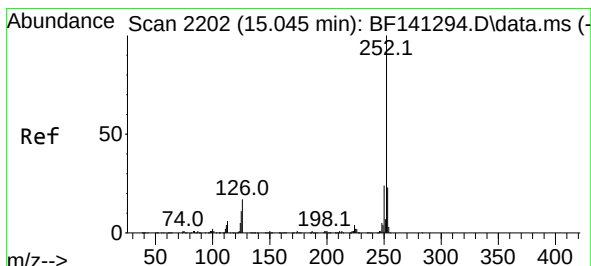
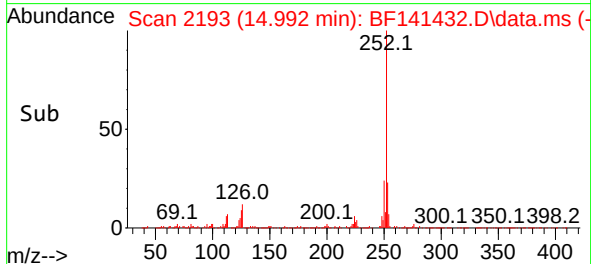
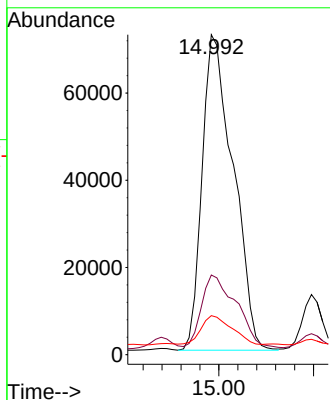
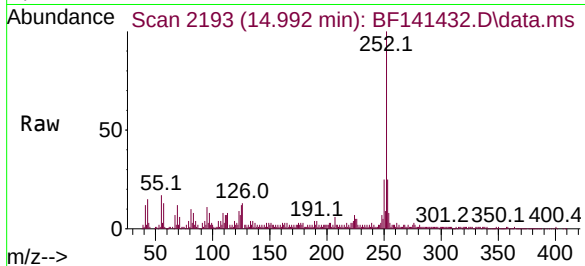




#88
Benzo(b)fluoranthene
Concen: 20.359 ng
RT: 14.992 min Scan# 2193
Delta R.T. -0.029 min
Lab File: BF141432.D
Acq: 05 Feb 2025 01:41

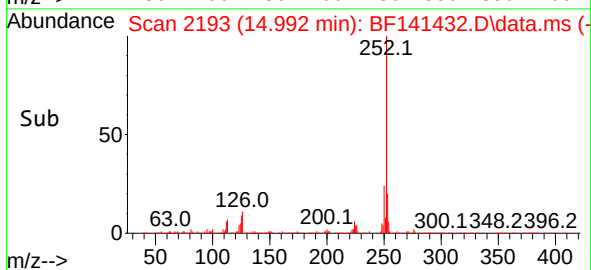
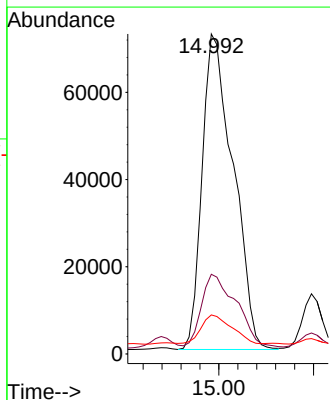
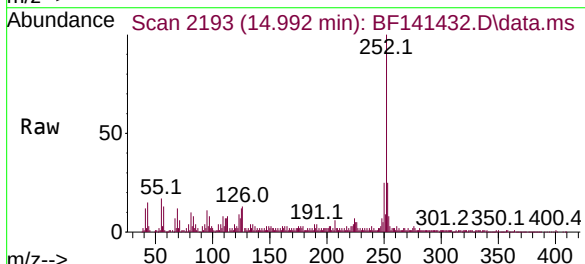
Instrument :
BNA_F
ClientSampleId :
OR-02--2-03-2025

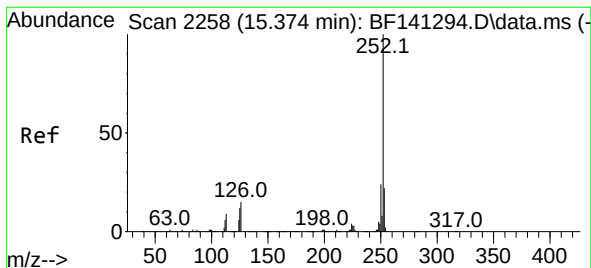
Tgt Ion:252 Resp: 164706
Ion Ratio Lower Upper
252 100
253 24.9 17.4 26.2
125 12.2 8.6 12.8



#89
Benzo(k)fluoranthene
Concen: 22.981 ng
RT: 14.992 min Scan# 2193
Delta R.T. -0.059 min
Lab File: BF141432.D
Acq: 05 Feb 2025 01:41

Tgt Ion:252 Resp: 164706
Ion Ratio Lower Upper
252 100
253 24.9 17.6 26.4
125 12.2 8.4 12.6





#90

Benzo(a)pyrene

Concen: 12.114 ng

RT: 15.351 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF141432.D

Acq: 05 Feb 2025 01:41

Instrument :

BNA_F

ClientSampleId :

OR-02--2-03-2025

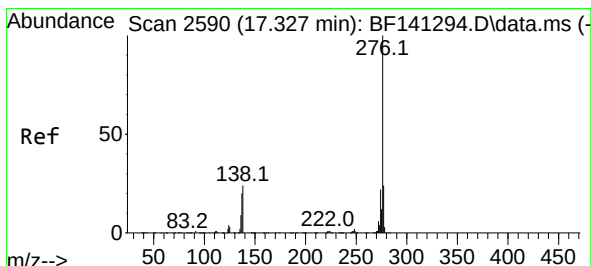
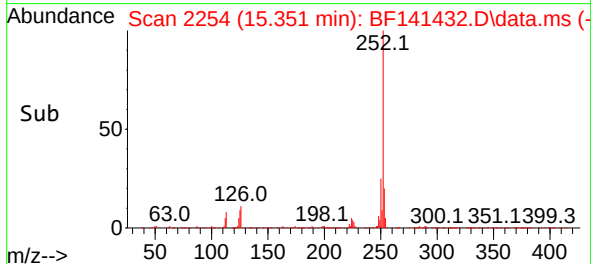
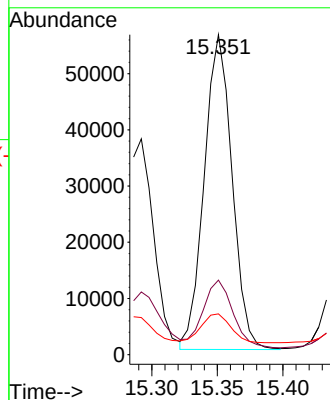
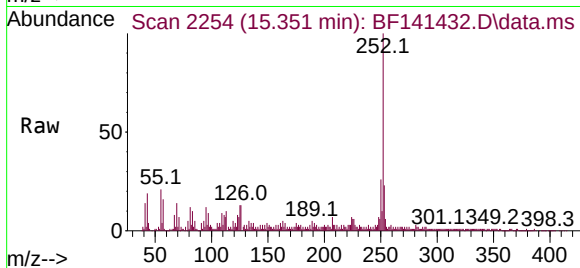
Tgt Ion:252 Resp: 82818

Ion Ratio Lower Upper

252 100

253 23.3 17.2 25.8

125 12.7 9.4 14.2



#92

Benzo(g,h,i)perylene

Concen: 5.672 ng

RT: 17.286 min Scan# 2583

Delta R.T. -0.059 min

Lab File: BF141432.D

Acq: 05 Feb 2025 01:41

Tgt Ion:276 Resp: 39390

Ion Ratio Lower Upper

276 100

277 26.9 19.2 28.8

138 21.8 19.0 28.4

