

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051325\
 Data File : BF142345.D
 Acq On : 13 May 2025 15:45
 Operator : RC/JU
 Sample : Q2002-01 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-05092025

Quant Time: May 13 16:36:38 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

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

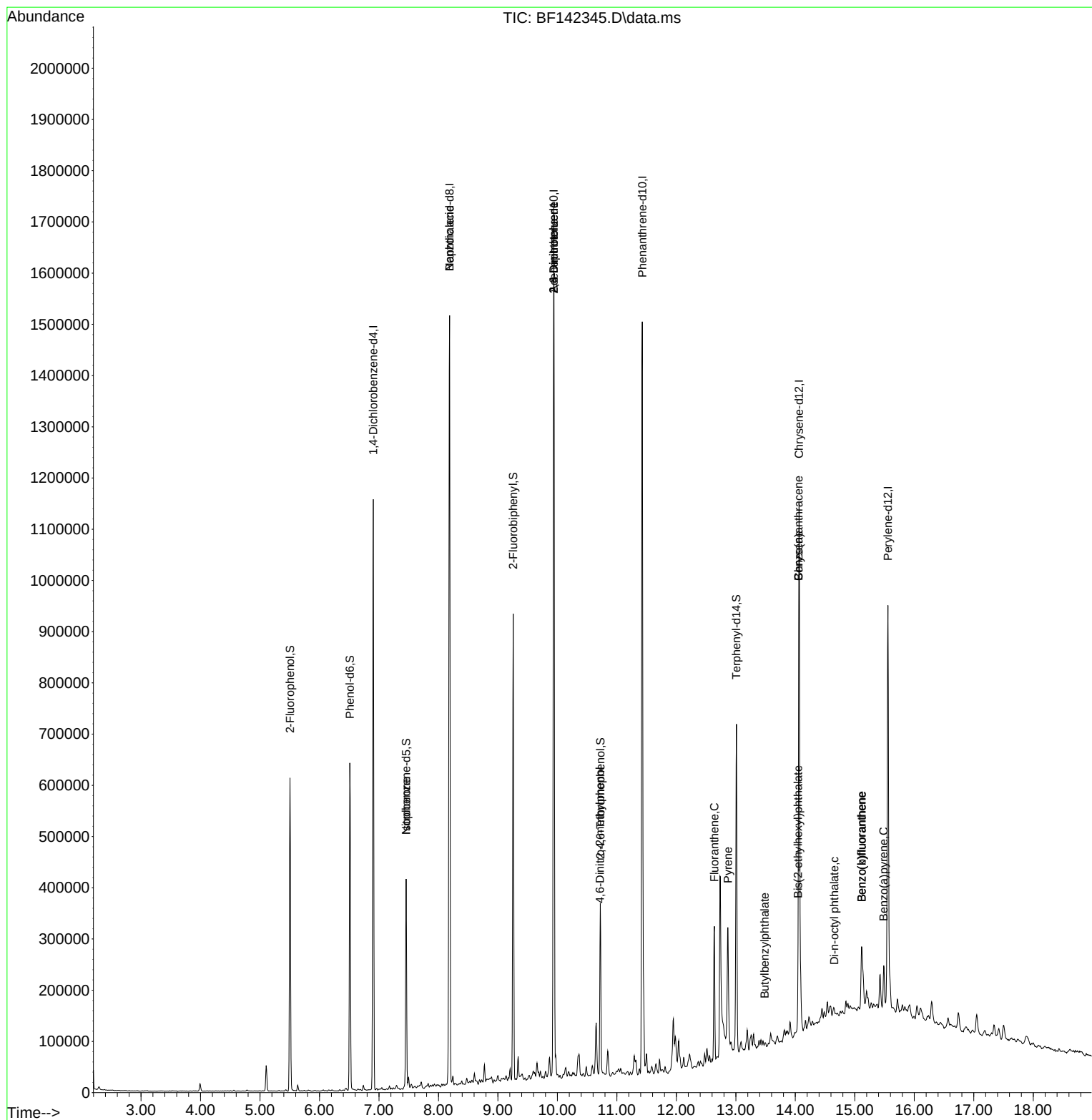
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	246113	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	947849	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	500202	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	767731	20.000	ng	0.00
76) Chrysene-d12	14.062	240	463809	20.000	ng	0.00
86) Perylene-d12	15.557	264	459871	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	221875	15.390	ng	0.00
7) Phenol-d6	6.510	99	278330	15.696	ng	-0.01
23) Nitrobenzene-d5	7.457	82	156914	10.096	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	53661	11.111	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	392991	11.203	ng	0.00
79) Terphenyl-d14	13.010	244	303133	9.674	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.457	82	151510	5.148	ng	# 63
32) Benzoic acid	8.186	122	136	6.032	ng	# 1
51) 2,6-Dinitrotoluene	9.939	165	65892	10.960	ng	# 23
57) 2,4-Dinitrotoluene	9.939	165	65892	8.544	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.716	198	109	7.211	ng	# 1
75) Fluoranthene	12.639	202	155311	3.861	ng	99
78) Pyrene	12.868	202	139113	3.370	ng	98
80) Butylbenzylphthalate	13.486	149	1813	3.798	ng	# 79
81) Benzo(a)anthracene	14.057	228	64458	2.146	ng	94
83) Chrysene	14.057	228	64458	2.305	ng	97
84) Bis(2-ethylhexyl)phtha...	14.045	149	14831	5.099	ng	# 99
85) Di-n-octyl phthalate	14.657	149	877	7.866	ng	# 63
88) Benzo(b)fluoranthene	15.115	252	104854	3.765	ng	# 94
89) Benzo(k)fluoranthene	15.115	252	104854	4.114	ng	# 93
90) Benzo(a)pyrene	15.486	252	53653	2.150	ng	# 95

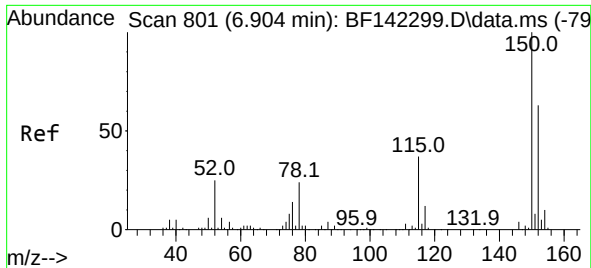
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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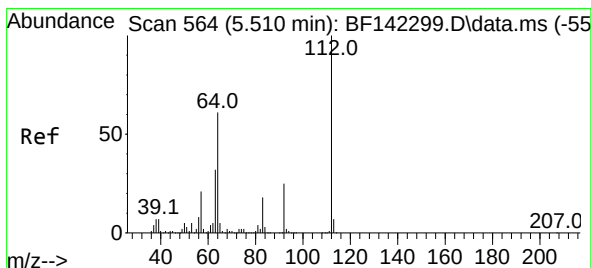
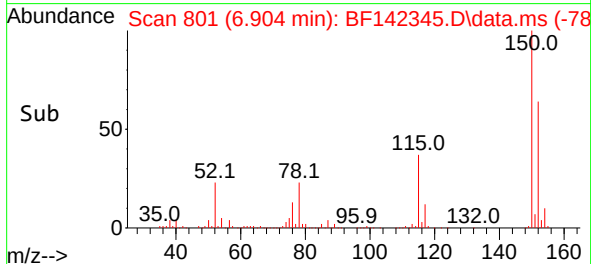
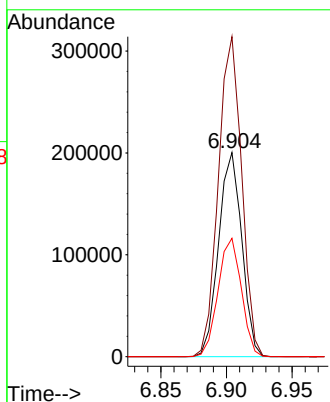
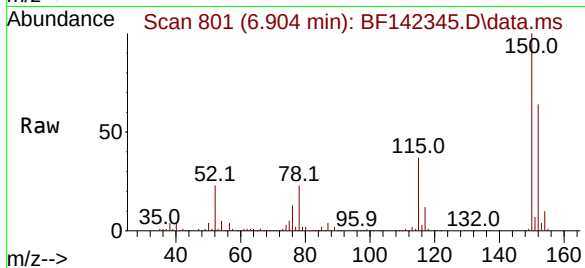




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142345.D
Acq: 13 May 2025 15:45

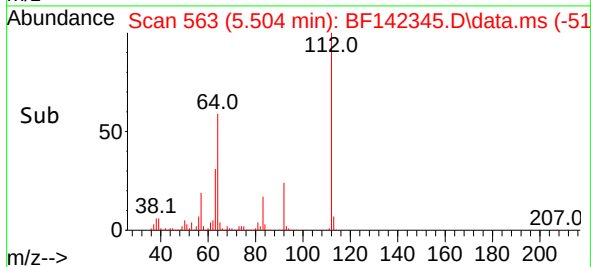
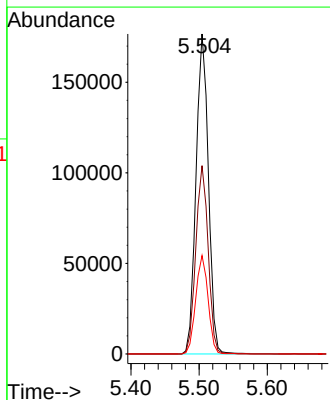
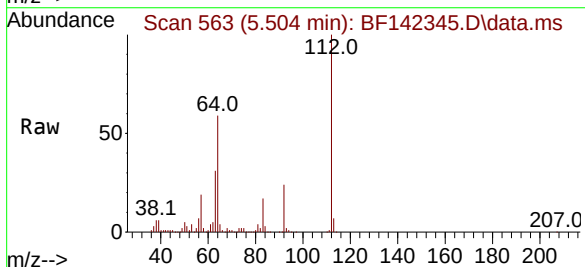
Instrument :
BNA_F
ClientSampleId :
EO-02-05092025

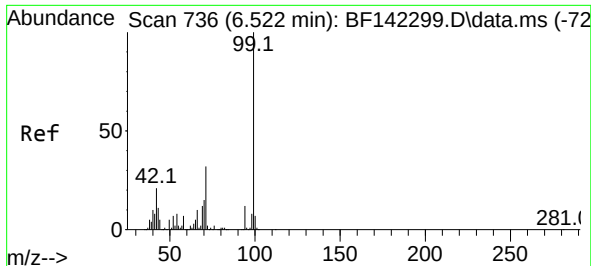
Tgt Ion:152 Resp: 246113
Ion Ratio Lower Upper
152 100
150 156.7 126.6 190.0
115 57.9 47.3 70.9



#5
2-Fluorophenol
Concen: 15.390 ng
RT: 5.504 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF142345.D
Acq: 13 May 2025 15:45

Tgt Ion:112 Resp: 221875
Ion Ratio Lower Upper
112 100
64 58.8 48.9 73.3
63 30.7 25.6 38.4

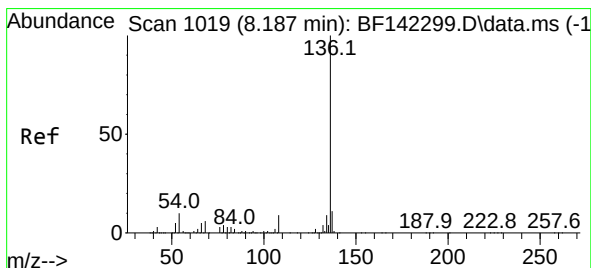
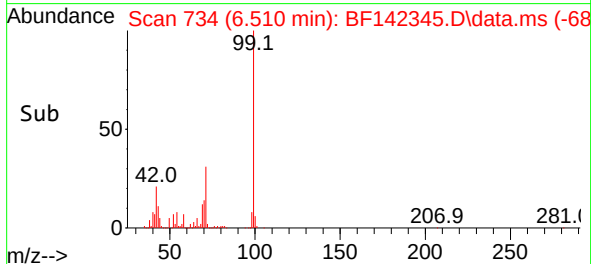
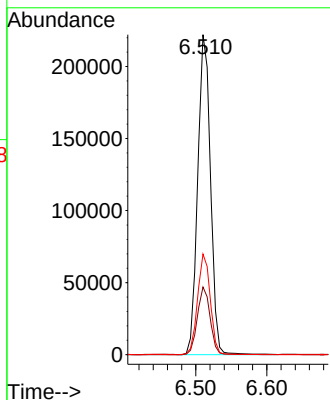
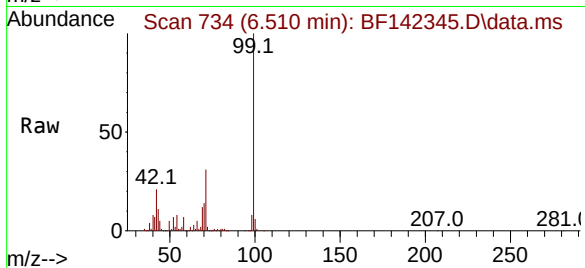




#7
Phenol-d6
Concen: 15.696 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142345.D
Acq: 13 May 2025 15:45

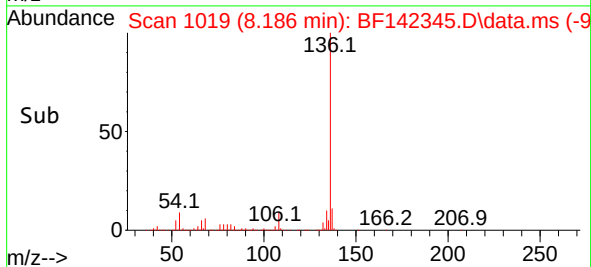
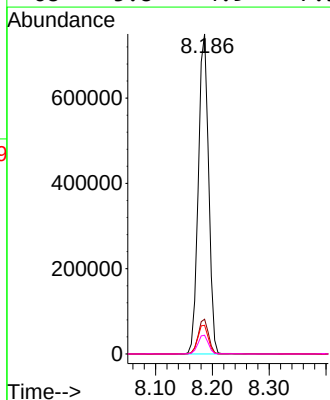
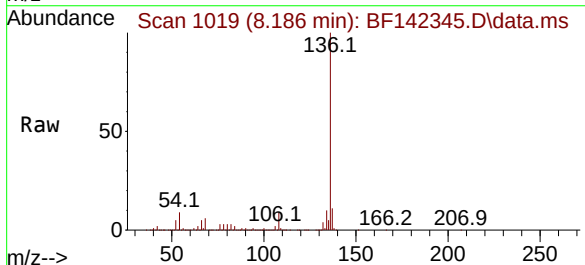
Instrument :
BNA_F
ClientSampleId :
EO-02-05092025

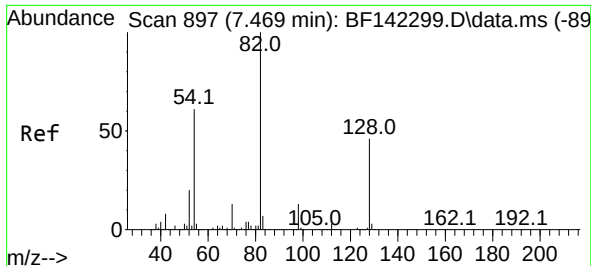
Tgt Ion: 99 Resp: 278330
Ion Ratio Lower Upper
99 100
42 21.2 17.0 25.4
71 31.4 25.8 38.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF142345.D
Acq: 13 May 2025 15:45

Tgt Ion: 136 Resp: 947849
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 9.0 7.7 11.5
68 5.8 4.9 7.3





#23

Nitrobenzene-d5

Concen: 10.096 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF142345.D

Acq: 13 May 2025 15:45

Instrument :

BNA_F

ClientSampleId :

EO-02-05092025

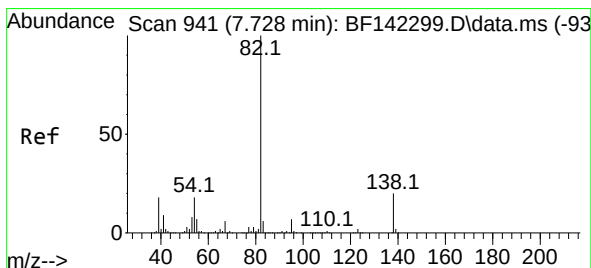
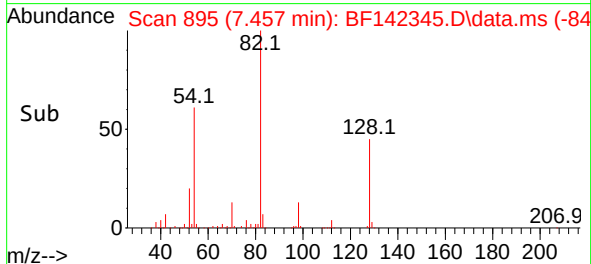
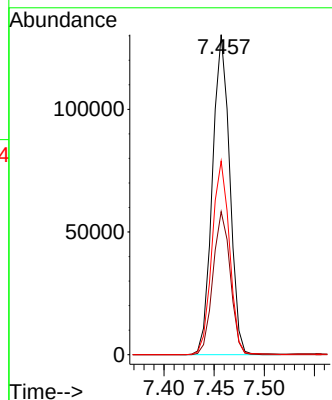
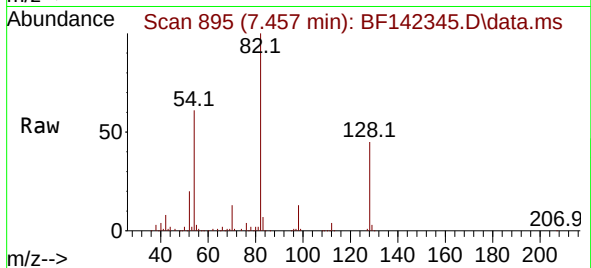
Tgt Ion: 82 Resp: 156914

Ion Ratio Lower Upper

82 100

128 44.7 37.0 55.6

54 60.5 48.6 73.0



#25

Isophorone

Concen: 5.148 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.271 min

Lab File: BF142345.D

Acq: 13 May 2025 15:45

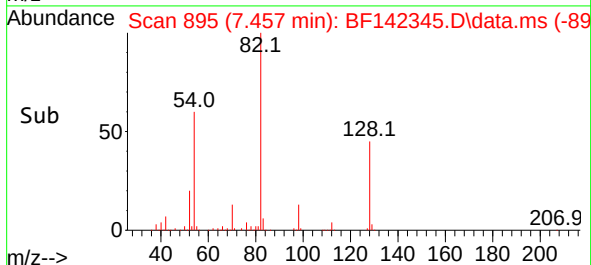
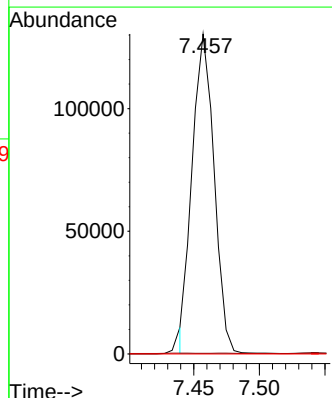
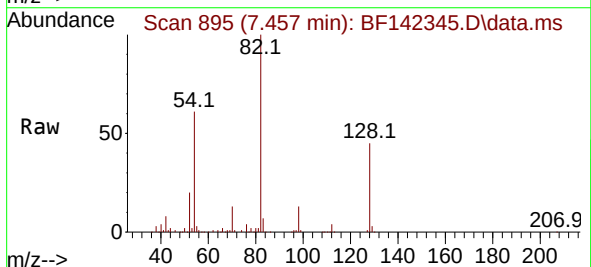
Tgt Ion: 82 Resp: 151510

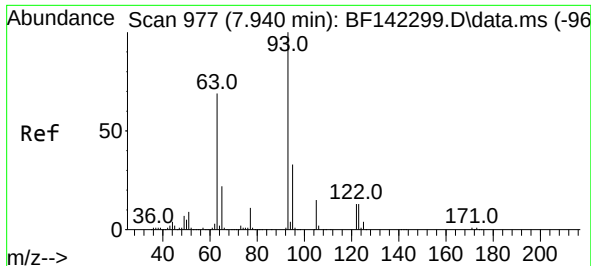
Ion Ratio Lower Upper

82 100

95 0.2 5.8 8.8#

138 0.0 16.1 24.1#

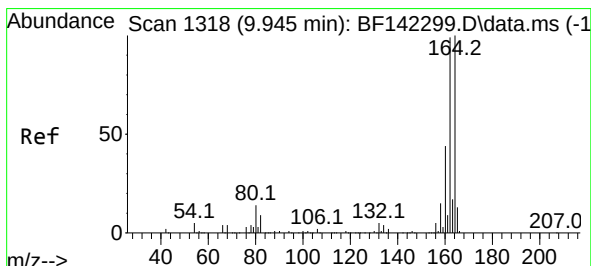
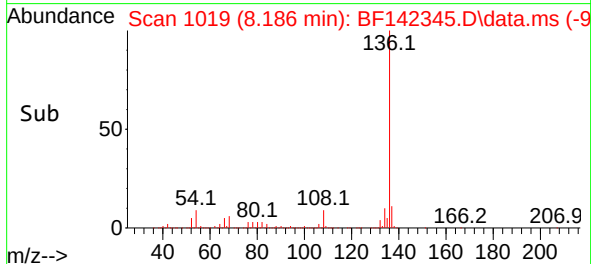
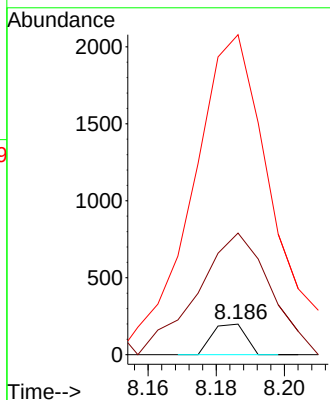
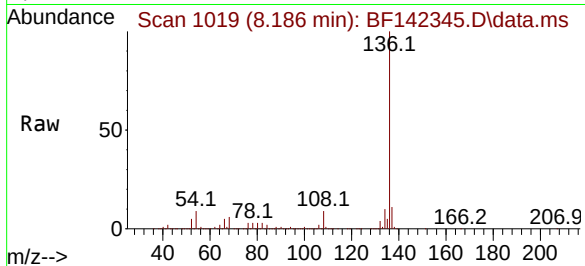




#32
Benzoic acid
Concen: 6.032 ng
RT: 8.186 min Scan# 10
Delta R.T. 0.246 min
Lab File: BF142345.D
Acq: 13 May 2025 15:45

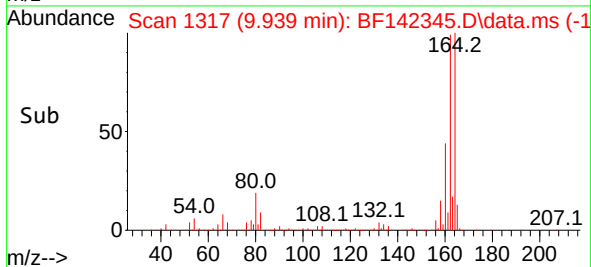
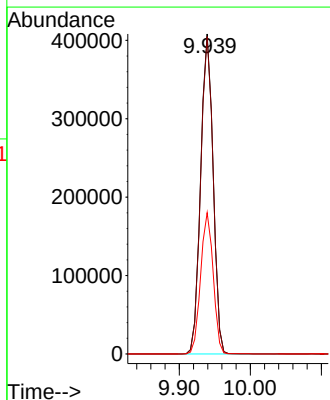
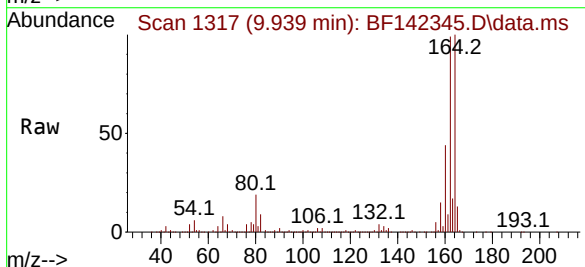
Instrument :
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ClientSampleId :
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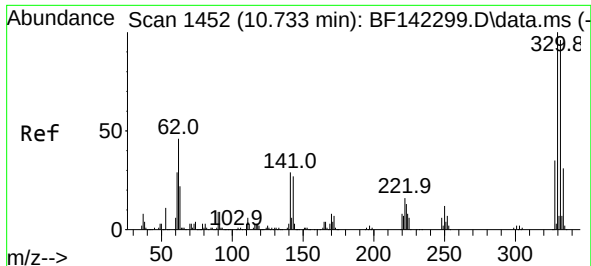
Tgt Ion:122 Resp: 136
Ion Ratio Lower Upper
122 100
105 397.0 97.9 137.9#
77 1044.7 67.7 107.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142345.D
Acq: 13 May 2025 15:45

Tgt Ion:164 Resp: 500202
Ion Ratio Lower Upper
164 100
162 99.2 79.2 118.8
160 44.2 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 11.111 ng

RT: 10.722 min Scan# 1450

Delta R.T. -0.012 min

Lab File: BF142345.D

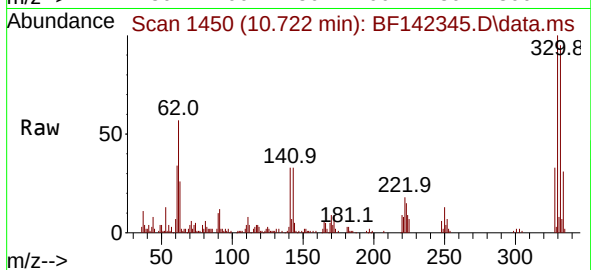
Acq: 13 May 2025 15:45

Instrument :

BNA_F

ClientSampleId :

EO-02-05092025



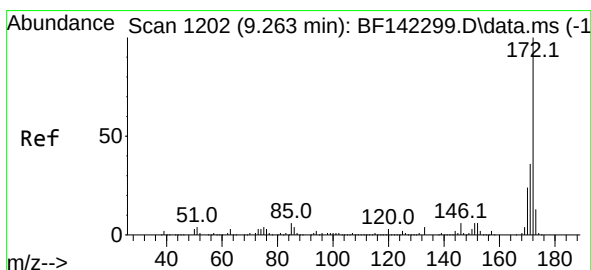
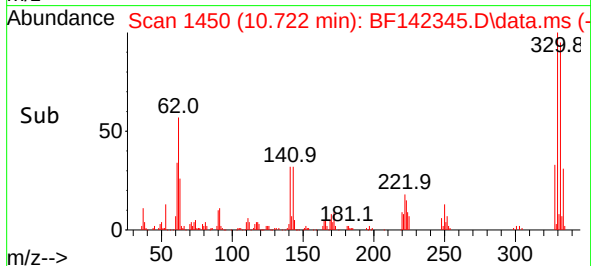
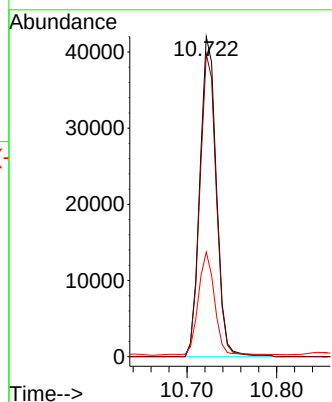
Tgt Ion:330 Resp: 53661

Ion Ratio Lower Upper

330 100

332 94.3 76.8 115.2

141 32.3 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 11.203 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF142345.D

Acq: 13 May 2025 15:45

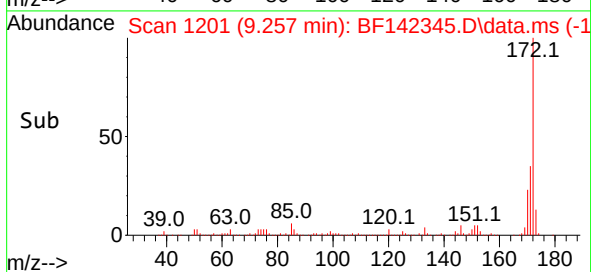
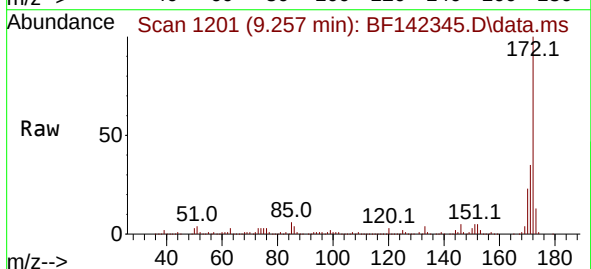
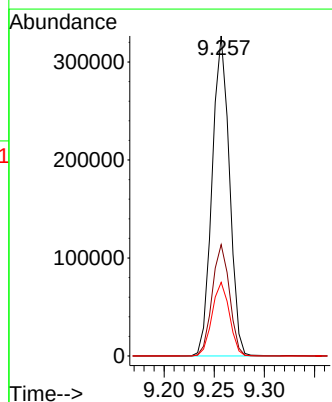
Tgt Ion:172 Resp: 392991

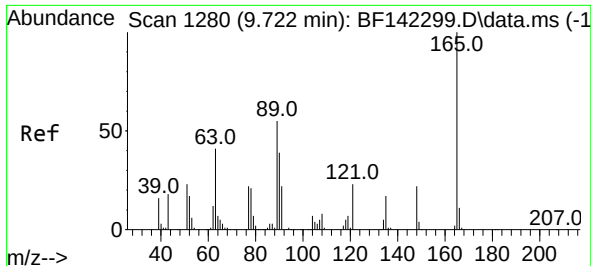
Ion Ratio Lower Upper

172 100

171 34.8 28.6 42.8

170 23.0 19.0 28.4

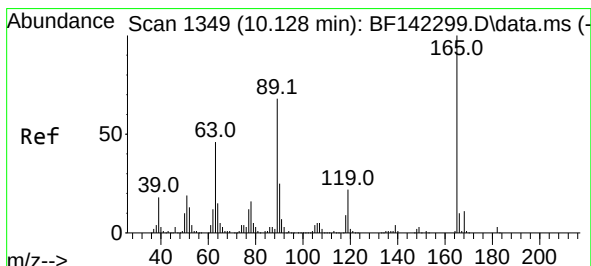
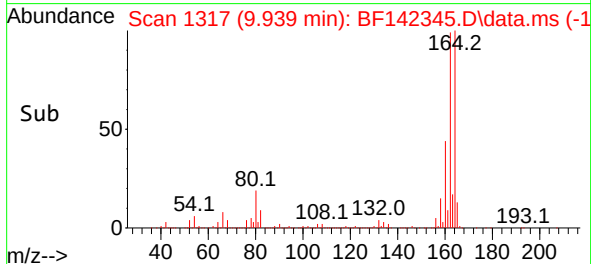
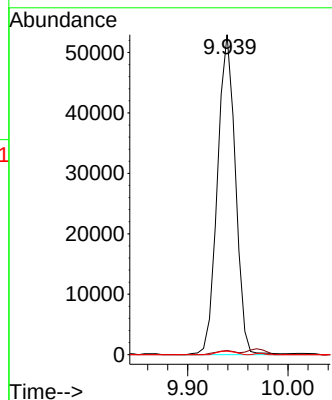
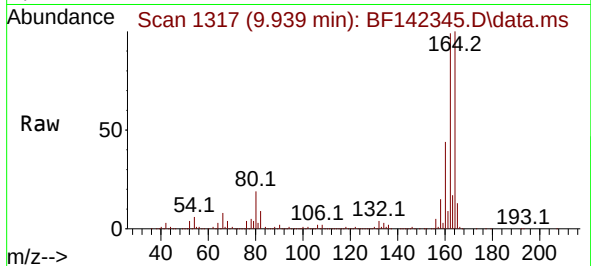




#51
2,6-Dinitrotoluene
Concen: 10.960 ng
RT: 9.939 min Scan# 11
Delta R.T. 0.217 min
Lab File: BF142345.D
Acq: 13 May 2025 15:45

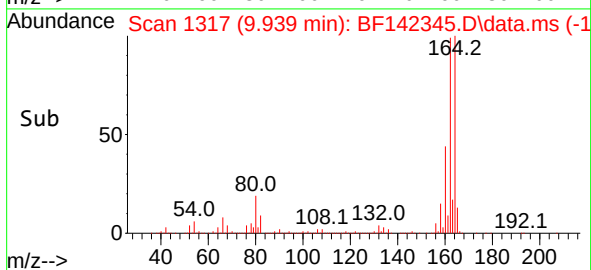
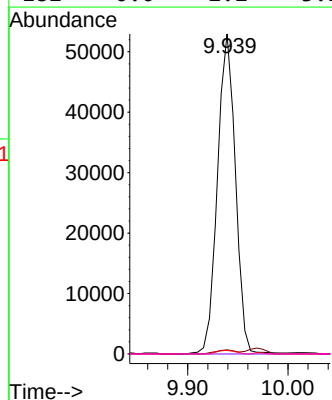
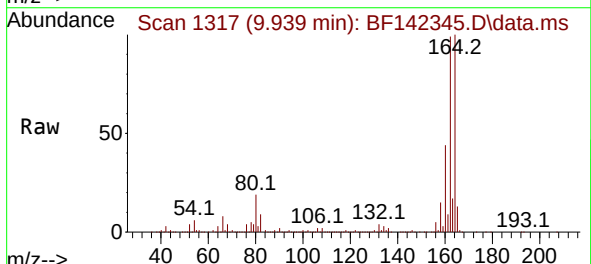
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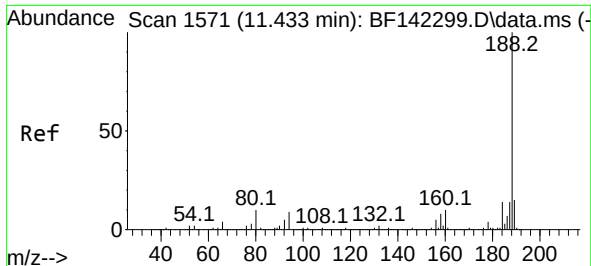
Tgt Ion:165 Resp: 65892
Ion Ratio Lower Upper
165 100
63 1.3 49.5 74.3#
89 1.1 44.6 66.8#



#57
2,4-Dinitrotoluene
Concen: 8.544 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.188 min
Lab File: BF142345.D
Acq: 13 May 2025 15:45

Tgt Ion:165 Resp: 65892
Ion Ratio Lower Upper
165 100
63 1.3 37.1 55.7#
89 1.1 54.4 81.6#
182 0.0 2.2 3.2#

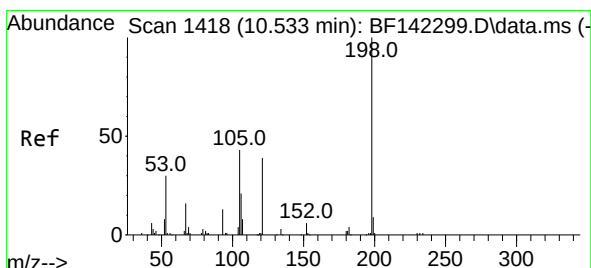
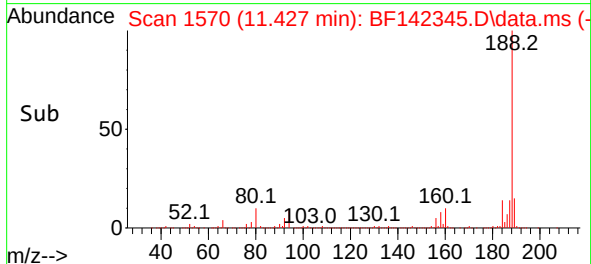
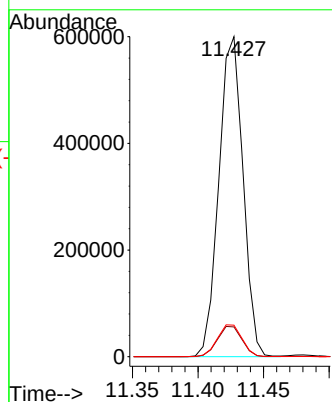
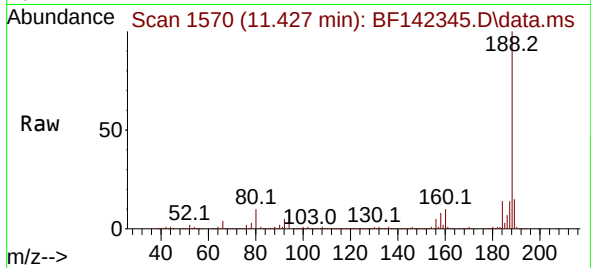




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142345.D
Acq: 13 May 2025 15:45

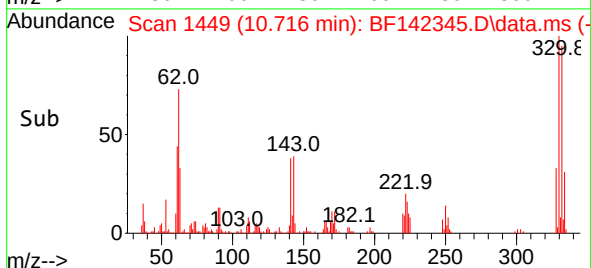
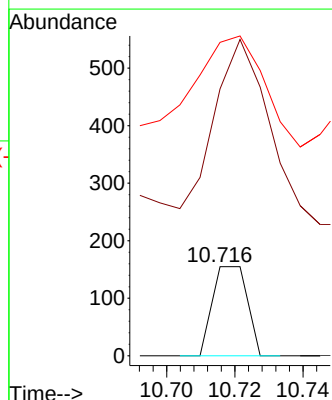
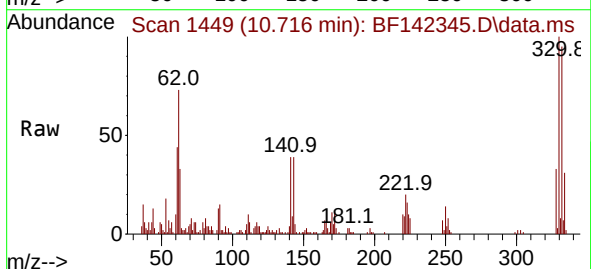
Instrument :
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EO-02-05092025

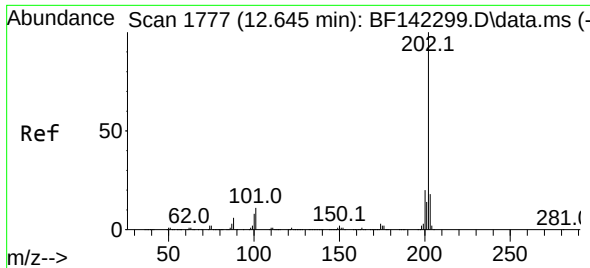
Tgt Ion:188 Resp: 767731
Ion Ratio Lower Upper
188 100
94 9.3 7.5 11.3
80 9.8 7.9 11.9



#65
4,6-Dinitro-2-methylphenol
Concen: 7.211 ng
RT: 10.716 min Scan# 1449
Delta R.T. 0.183 min
Lab File: BF142345.D
Acq: 13 May 2025 15:45

Tgt Ion:198 Resp: 109
Ion Ratio Lower Upper
198 100
51 299.4 32.9 72.9#
105 351.6 23.7 63.7#

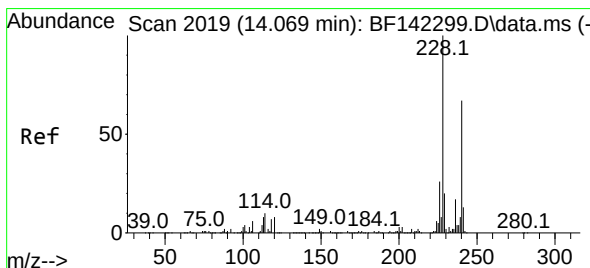
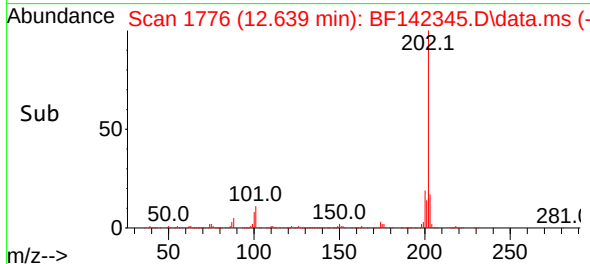
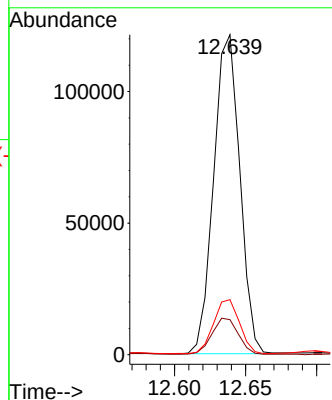
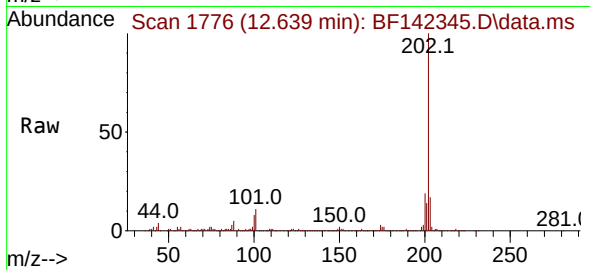




#75
Fluoranthene
Concen: 3.861 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142345.D
Acq: 13 May 2025 15:45

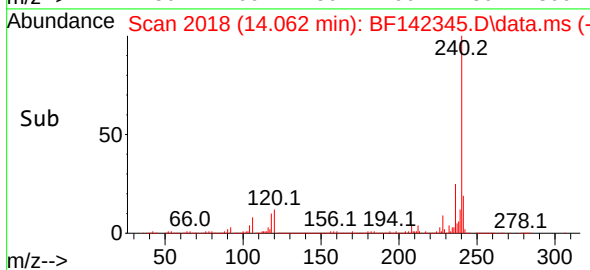
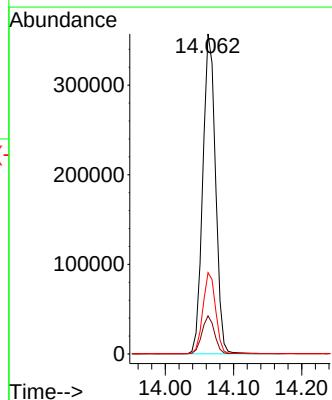
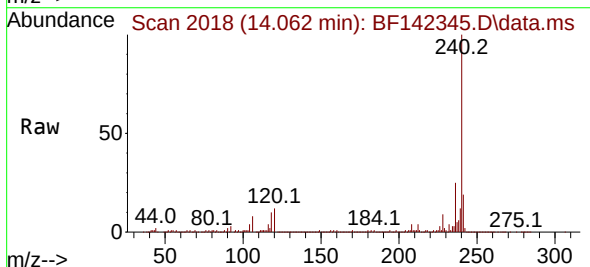
Instrument :
BNA_F
ClientSampleId :
EO-02-05092025

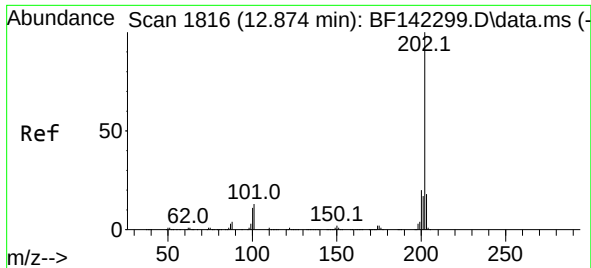
Tgt Ion:202 Resp: 155311
Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.4
203 17.2 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142345.D
Acq: 13 May 2025 15:45

Tgt Ion:240 Resp: 463809
Ion Ratio Lower Upper
240 100
120 11.9 9.7 14.5
236 25.4 20.0 30.0

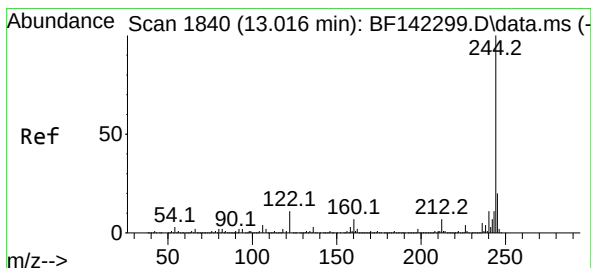
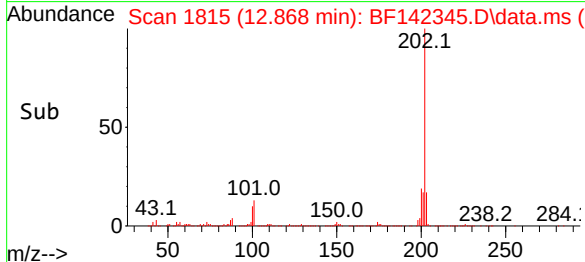
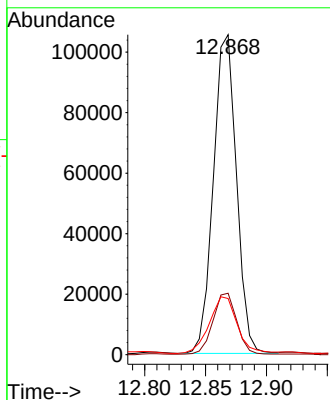
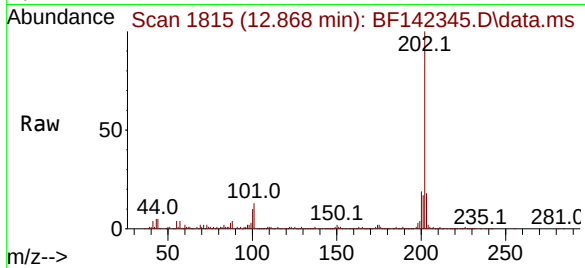




#78
 Pyrene
 Concen: 3.370 ng
 RT: 12.868 min Scan# 1815
 Delta R.T. -0.006 min
 Lab File: BF142345.D
 Acq: 13 May 2025 15:45

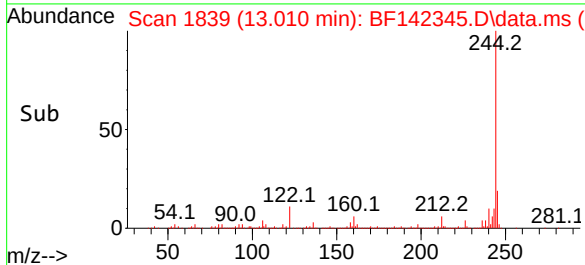
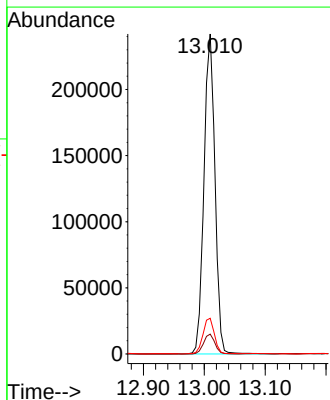
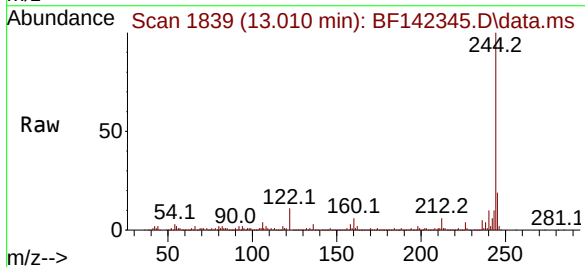
Instrument :
 BNA_F
 ClientSampleId :
 EO-02-05092025

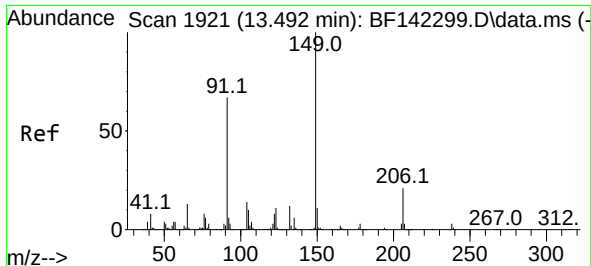
Tgt Ion:202 Resp: 139113
 Ion Ratio Lower Upper
 202 100
 200 19.2 16.2 24.4
 203 17.6 14.3 21.5



#79
 Terphenyl-d14
 Concen: 9.674 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF142345.D
 Acq: 13 May 2025 15:45

Tgt Ion:244 Resp: 303133
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.4 8.2
 122 11.2 9.0 13.4

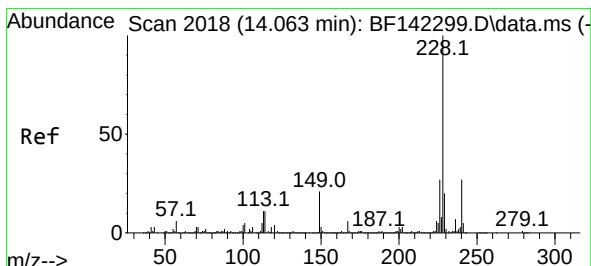
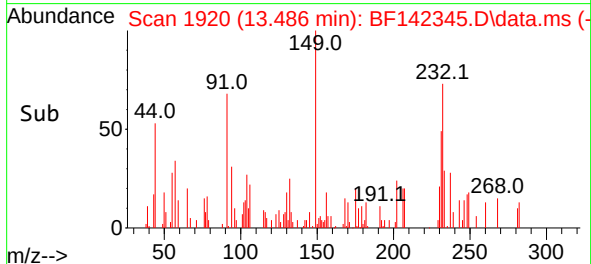
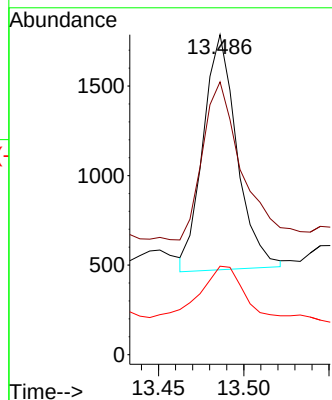
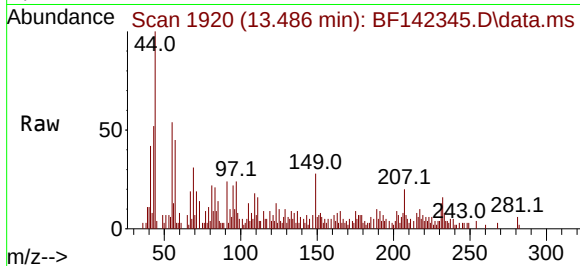




#80
Butylbenzylphthalate
Concen: 3.798 ng
RT: 13.486 min Scan# 1921
Delta R.T. -0.006 min
Lab File: BF142345.D
Acq: 13 May 2025 15:45

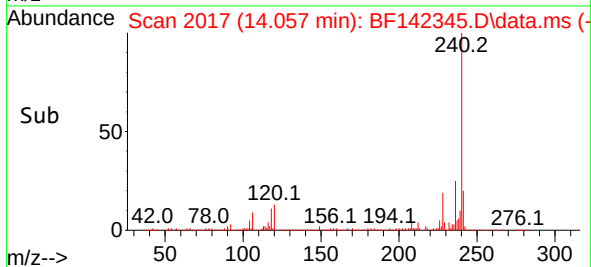
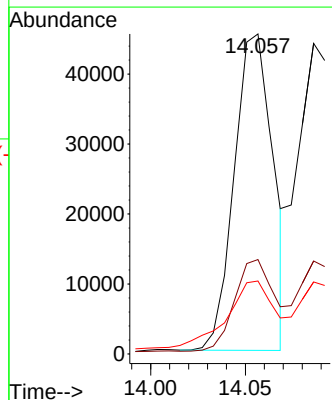
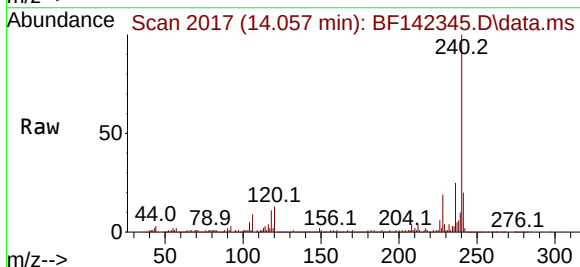
Instrument :
BNA_F
ClientSampleId :
EO-02-05092025

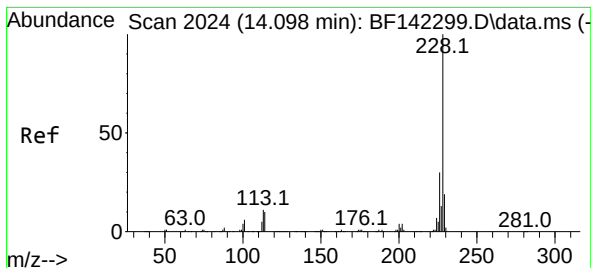
Tgt Ion:149 Resp: 1813
Ion Ratio Lower Upper
149 100
91 85.2 53.8 80.6#
206 27.6 16.6 24.8#



#81
Benzo(a)anthracene
Concen: 2.146 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF142345.D
Acq: 13 May 2025 15:45

Tgt Ion:228 Resp: 64458
Ion Ratio Lower Upper
228 100
226 29.5 21.5 32.3
229 22.8 15.9 23.9





#83

Chrysene

Concen: 2.305 ng

RT: 14.057 min Scan# 2015

Delta R.T. -0.041 min

Lab File: BF142345.D

Acq: 13 May 2025 15:45

Instrument :

BNA_F

ClientSampleId :

EO-02-05092025

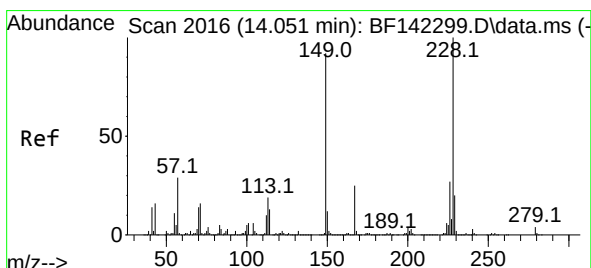
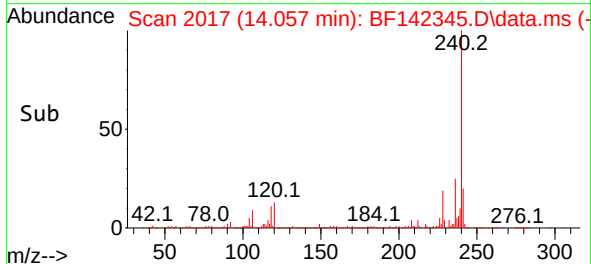
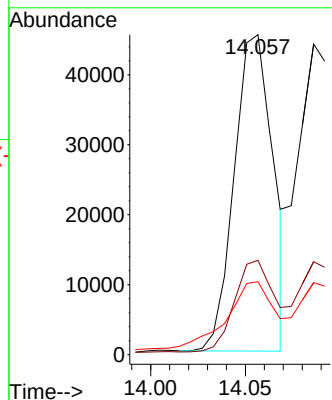
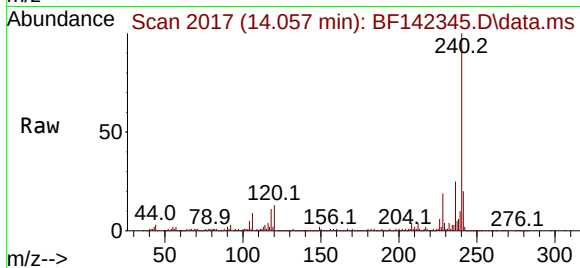
Tgt Ion:228 Resp: 64458

Ion Ratio Lower Upper

228 100

226 29.5 23.9 35.9

229 22.8 15.4 23.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.099 ng

RT: 14.045 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF142345.D

Acq: 13 May 2025 15:45

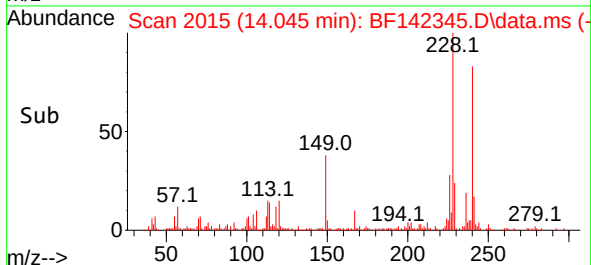
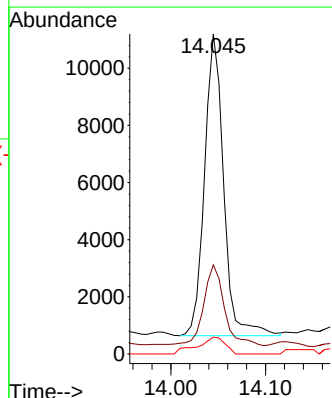
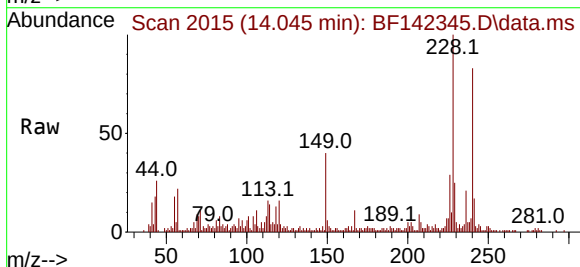
Tgt Ion:149 Resp: 14831

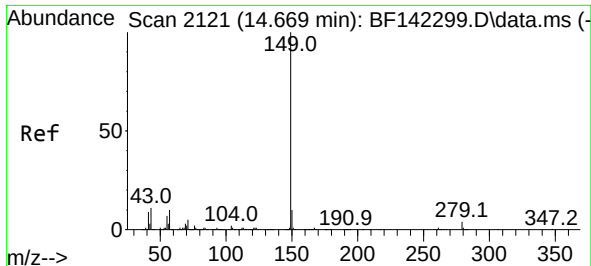
Ion Ratio Lower Upper

149 100

167 27.8 22.0 33.0

279 5.2 3.0 4.6#

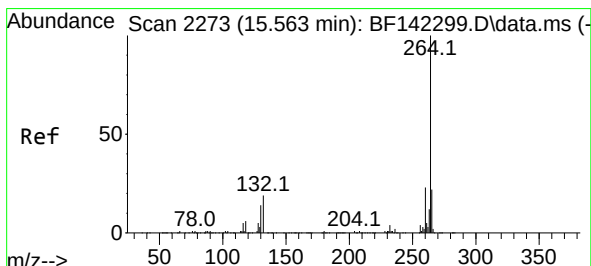
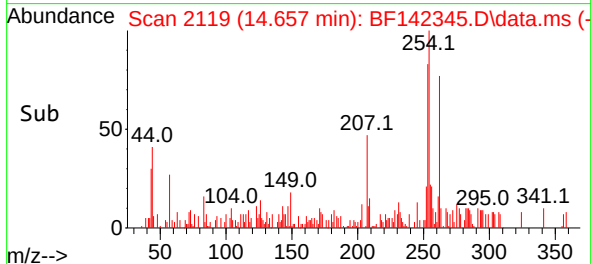
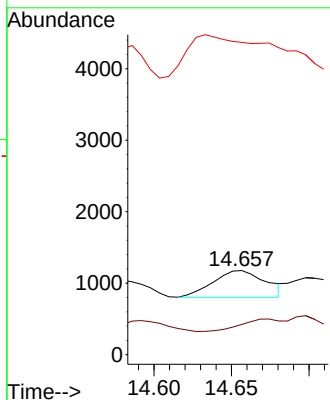
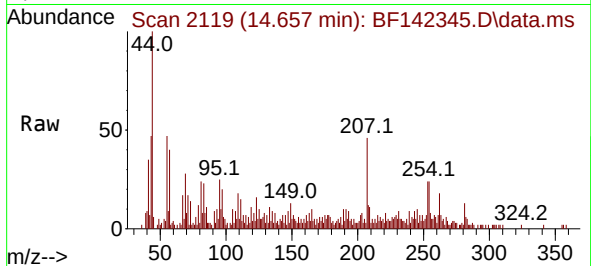




#85
Di-n-octyl phthalate
Concen: 7.866 ng
RT: 14.657 min Scan# 2119
Delta R.T. -0.012 min
Lab File: BF142345.D
Acq: 13 May 2025 15:45

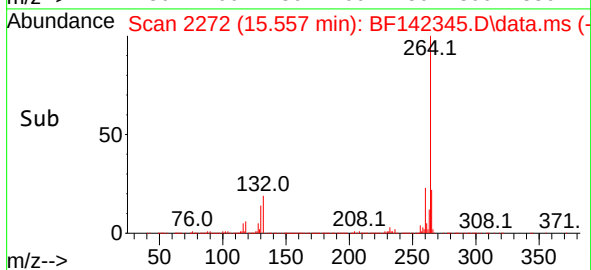
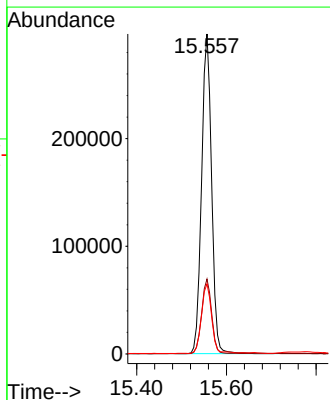
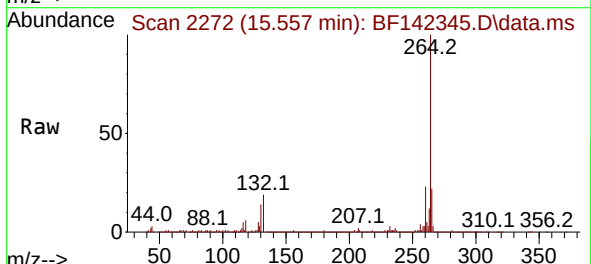
Instrument :
BNA_F
ClientSampleId :
EO-02-05092025

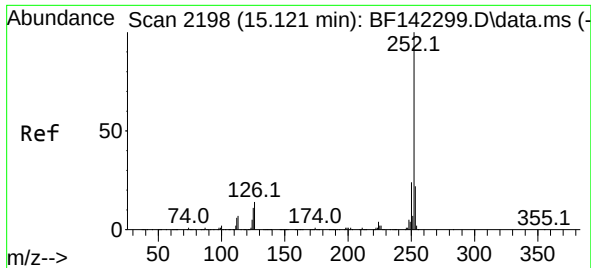
Tgt Ion:149 Resp: 877
Ion Ratio Lower Upper
149 100
167 39.0 1.1 1.7#
43 0.0 9.2 13.8#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BF142345.D
Acq: 13 May 2025 15:45

Tgt Ion:264 Resp: 459871
Ion Ratio Lower Upper
264 100
260 23.4 18.6 27.8
265 21.9 17.5 26.3

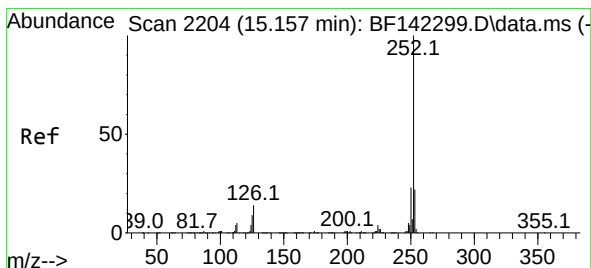
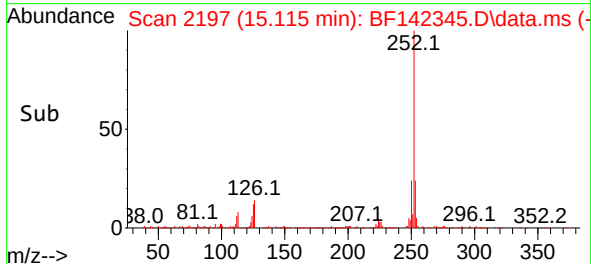
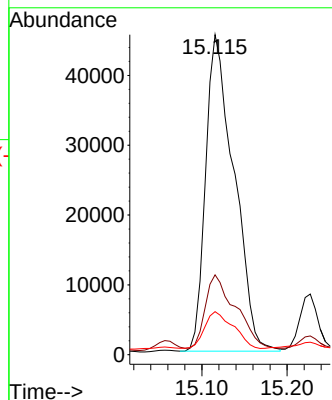
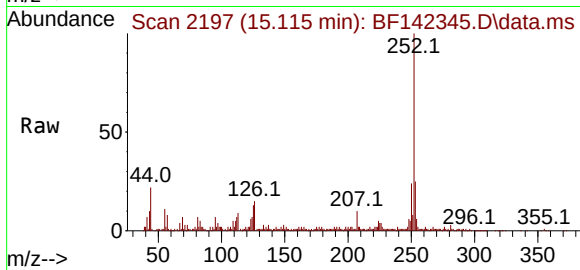




#88
Benzo(b)fluoranthene
Concen: 3.765 ng
RT: 15.115 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF142345.D
Acq: 13 May 2025 15:45

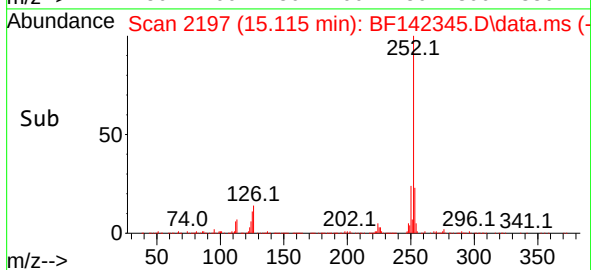
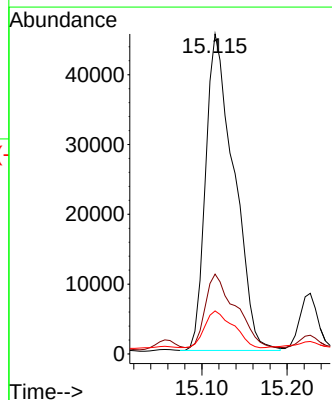
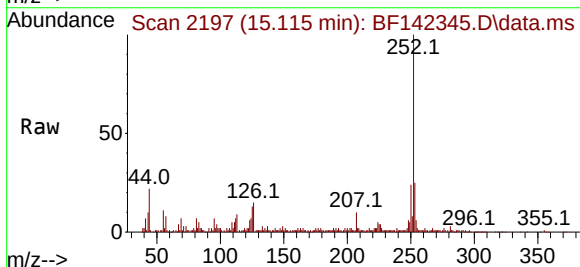
Instrument :
BNA_F
ClientSampleId :
EO-02-05092025

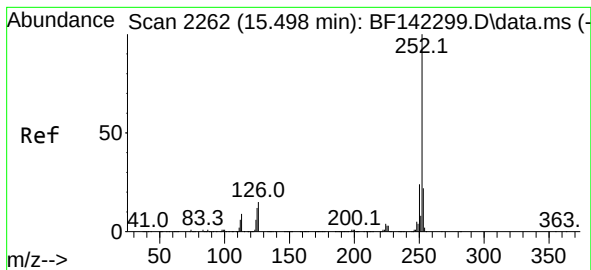
Tgt Ion:252 Resp: 104854
Ion Ratio Lower Upper
252 100
253 25.0 17.7 26.5
125 13.4 8.7 13.1#



#89
Benzo(k)fluoranthene
Concen: 4.114 ng
RT: 15.115 min Scan# 2197
Delta R.T. -0.041 min
Lab File: BF142345.D
Acq: 13 May 2025 15:45

Tgt Ion:252 Resp: 104854
Ion Ratio Lower Upper
252 100
253 25.0 17.6 26.4
125 13.4 8.1 12.1#





#90

Benzo(a)pyrene

Concen: 2.150 ng

RT: 15.486 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF142345.D

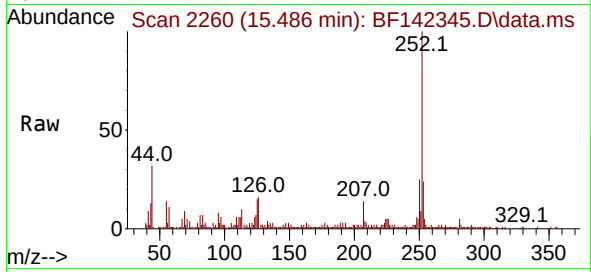
Acq: 13 May 2025 15:45

Instrument :

BNA_F

ClientSampleId :

EO-02-05092025



Tgt Ion:252 Resp: 53653

Ion Ratio Lower Upper

252 100

253 24.2 17.8 26.6

125 14.6 9.4 14.0#

