

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141341.D
 Acq On : 31 Jan 2025 19:37
 Operator : RC/JU
 Sample : Q1219-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LAW-25-0015

Quant Time: Jan 31 22:31:31 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)

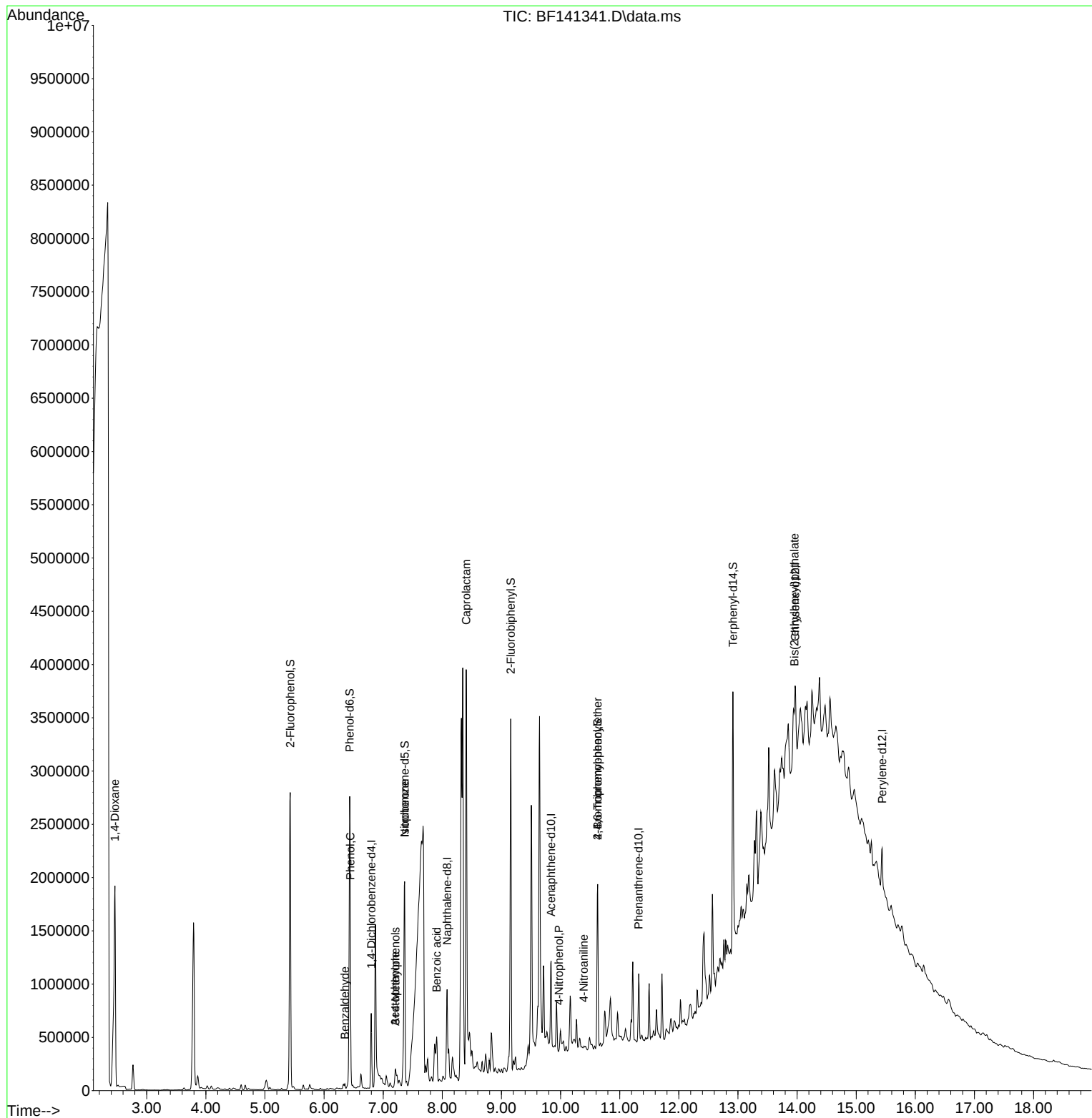
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	140746	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	556241	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	247143	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	322626	20.000	ng	0.00
76) Chrysene-d12	13.968	240	245293	20.000	ng	0.00
86) Perylene-d12	15.439	264	245820	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	1136391	123.953	ng	0.02
7) Phenol-d6	6.434	99	1362909	116.860	ng	0.00
23) Nitrobenzene-d5	7.363	82	887849	84.144	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	265919	117.366	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1471142	91.622	ng	0.00
79) Terphenyl-d14	12.916	244	1151176	72.376	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.463	88	49272	12.220	ng	# 1
9) Benzaldehyde	6.351	77	13767	2.038	ng	# 71
10) Phenol	6.445	94	70962	5.740	ng	# 62
20) 3+4-Methylphenols	7.210	107	42704	4.355	ng	# 77
22) Acetophenone	7.204	105	30458	2.304	ng	# 94
25) Isophorone	7.363	82	877602	48.116	ng	# 65
32) Benzoic acid	7.904	122	171498	28.422	ng	97
35) Caprolactam	8.404	113	144034	54.883	ng	# 1
56) 4-Nitrophenol	9.975	139	7421	2.671	ng	# 53
62) 4-Nitroaniline	10.392	138	8649	2.316	ng	# 64
67) 4-Bromophenyl-phenylether	10.627	248	19176	5.309	ng	# 1
84) Bis(2-ethylhexyl)phtha...	13.957	149	25857	2.478	ng	# 73

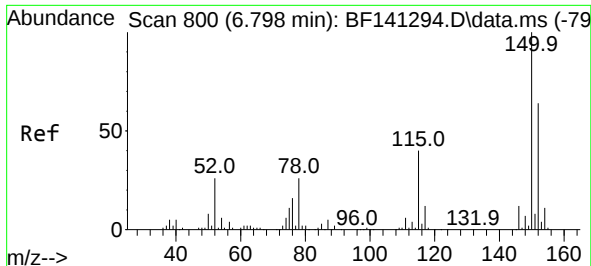
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
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Misc :
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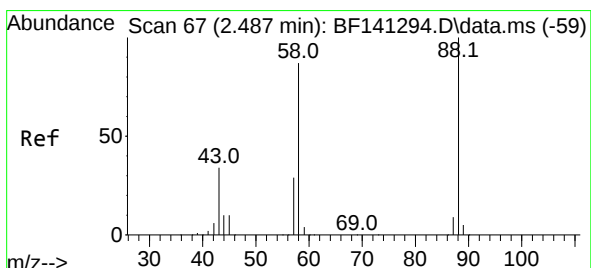
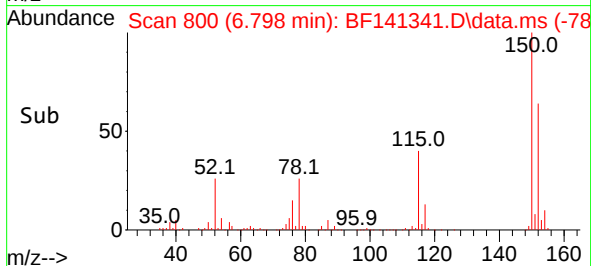
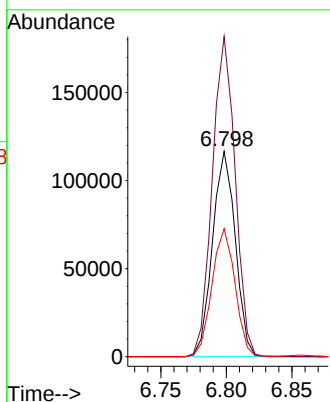
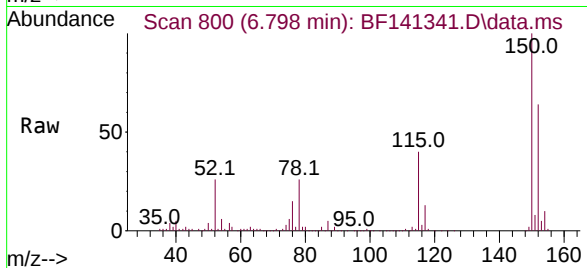




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: BF141341.D
 Acq: 31 Jan 2025 19:37

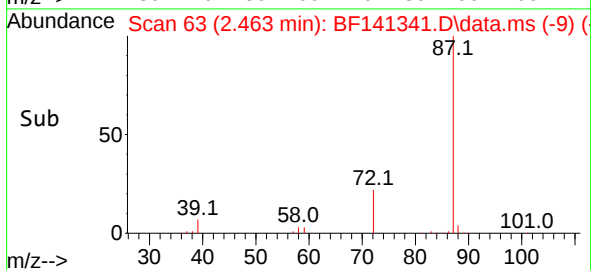
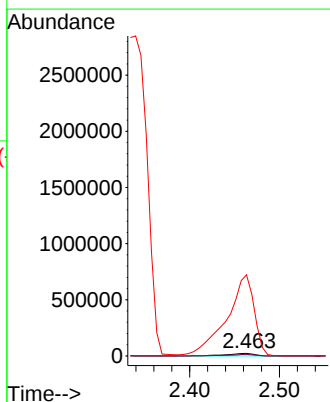
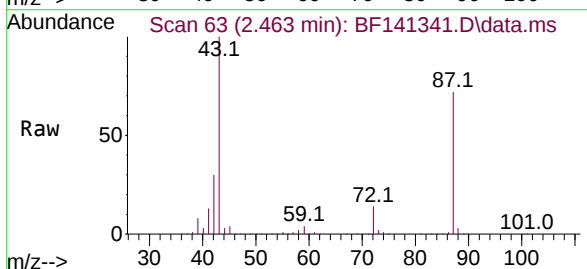
Instrument :
 BNA_F
 ClientSampleId :
 LAW-25-0015

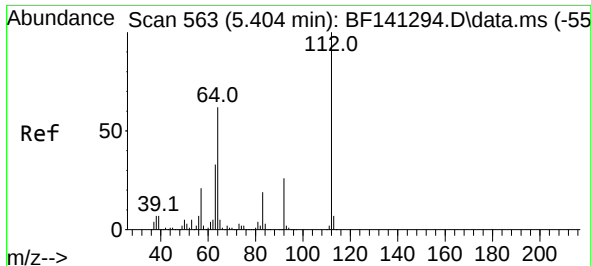
Tgt Ion:152 Resp: 140746
 Ion Ratio Lower Upper
 152 100
 150 155.8 125.9 188.9
 115 62.3 49.7 74.5



#2
 1,4-Dioxane
 Concen: 12.220 ng
 RT: 2.463 min Scan# 63
 Delta R.T. -0.030 min
 Lab File: BF141341.D
 Acq: 31 Jan 2025 19:37

Tgt Ion: 88 Resp: 49272
 Ion Ratio Lower Upper
 88 100
 58 58.7 70.2 105.4#
 43 3077.9 27.6 41.4#

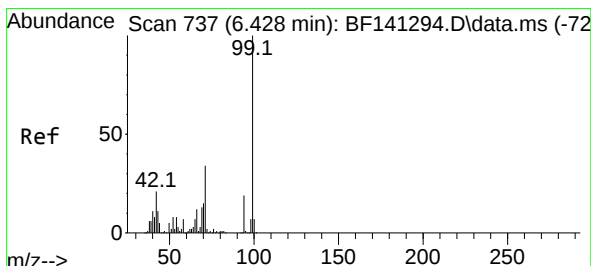
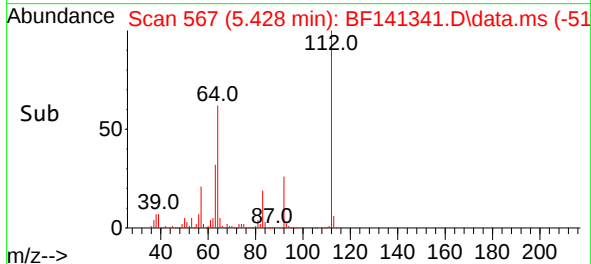
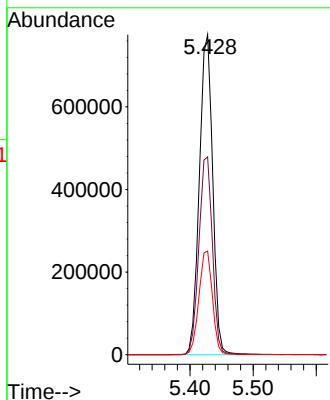
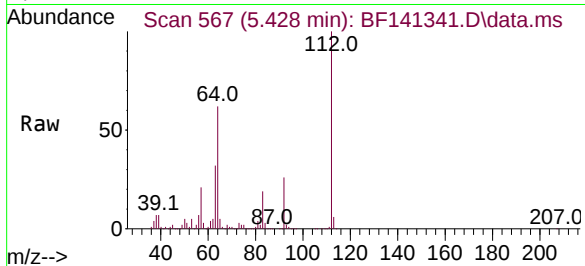




#5
2-Fluorophenol
Concen: 123.953 ng
RT: 5.428 min Scan# 501
Delta R.T. 0.017 min
Lab File: BF141341.D
Acq: 31 Jan 2025 19:37

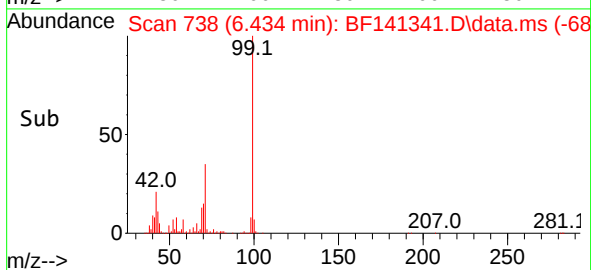
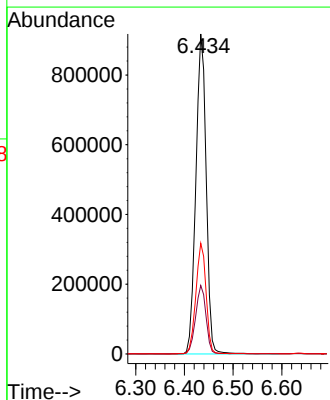
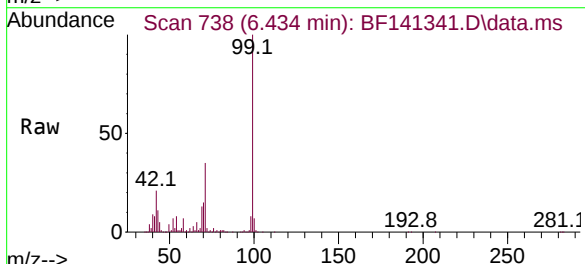
Instrument :
BNA_F
ClientSampleId :
LAW-25-0015

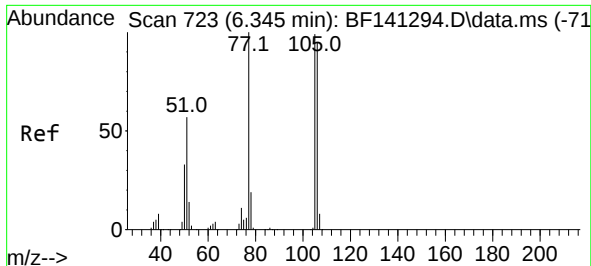
Tgt Ion:112 Resp: 1136391
Ion Ratio Lower Upper
112 100
64 61.8 49.8 74.8
63 32.4 26.1 39.1



#7
Phenol-d6
Concen: 116.860 ng
RT: 6.434 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF141341.D
Acq: 31 Jan 2025 19:37

Tgt Ion: 99 Resp: 1362909
Ion Ratio Lower Upper
99 100
42 21.4 17.1 25.7
71 34.6 26.9 40.3





#9

Benzaldehyde

Concen: 2.038 ng

RT: 6.351 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF141341.D

Acq: 31 Jan 2025 19:37

Instrument :

BNA_F

ClientSampleId :

LAW-25-0015

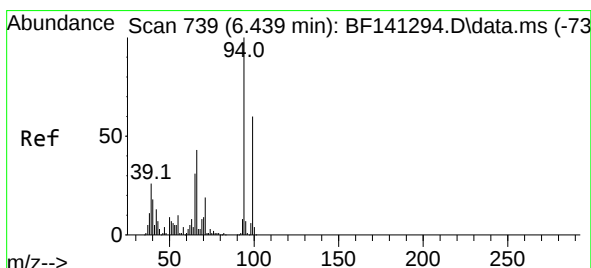
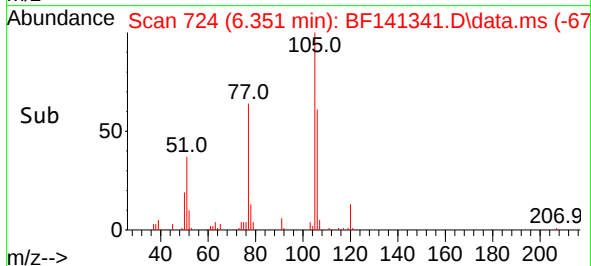
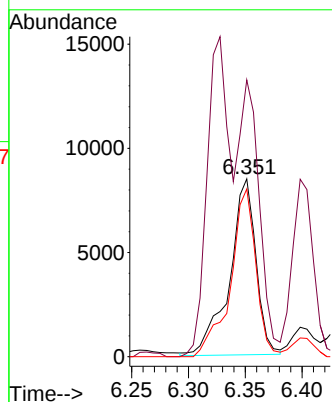
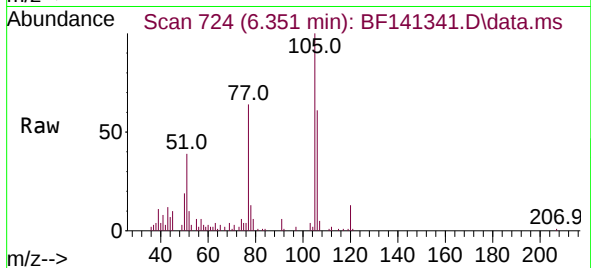
Tgt Ion: 77 Resp: 13767

Ion Ratio Lower Upper

77 100

105 155.7 79.4 119.4#

106 94.3 74.6 114.6



#10

Phenol

Concen: 5.740 ng

RT: 6.445 min Scan# 740

Delta R.T. -0.006 min

Lab File: BF141341.D

Acq: 31 Jan 2025 19:37

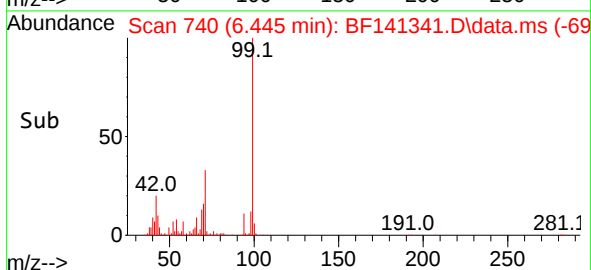
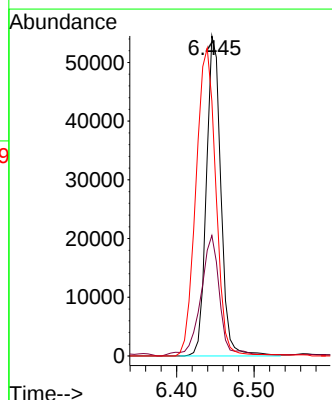
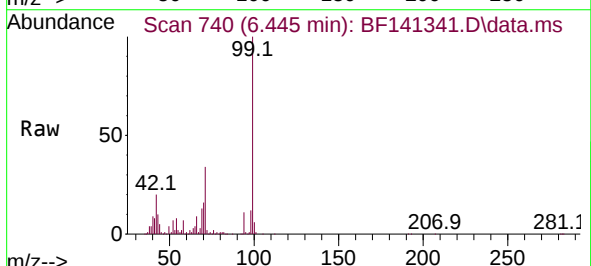
Tgt Ion: 94 Resp: 70962

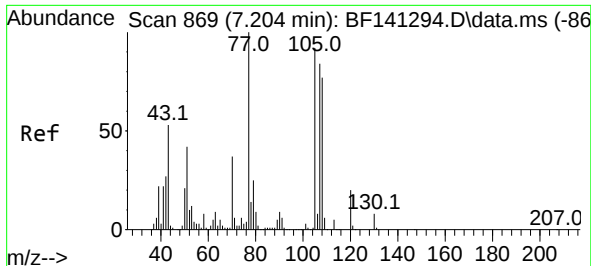
Ion Ratio Lower Upper

94 100

65 37.7 10.8 50.8

66 79.6 23.3 63.3#





#20

3+4-Methylphenols

Concen: 4.355 ng

RT: 7.210 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141341.D

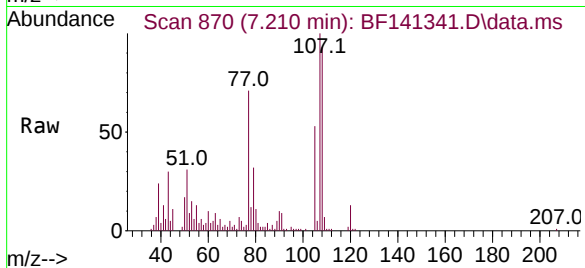
Acq: 31 Jan 2025 19:37

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:107 Resp: 42704

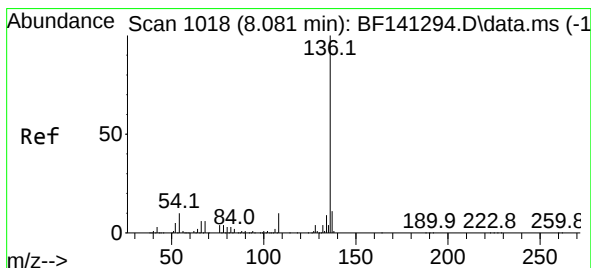
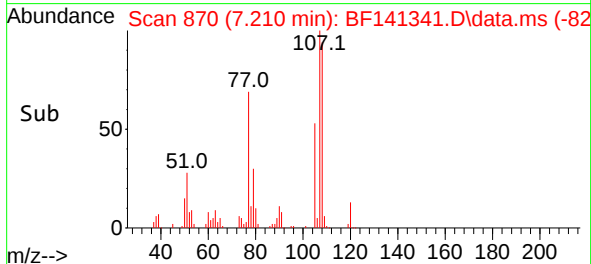
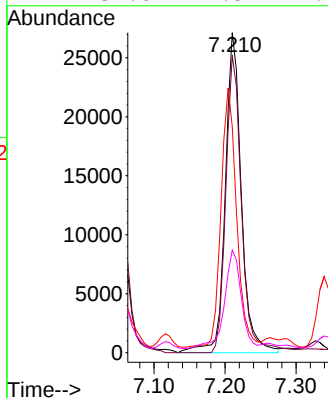
Ion Ratio Lower Upper

107 100

108 92.9 70.9 110.9

77 70.7 98.5 138.5#

79 32.0 9.5 49.5



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.081 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF141341.D

Acq: 31 Jan 2025 19:37

Tgt Ion:136 Resp: 556241

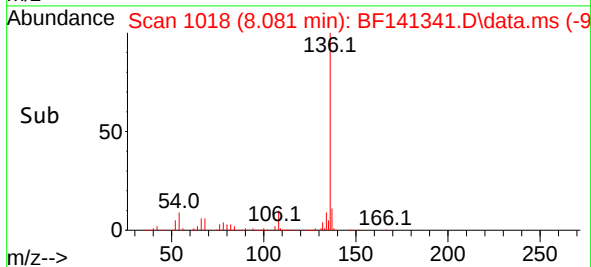
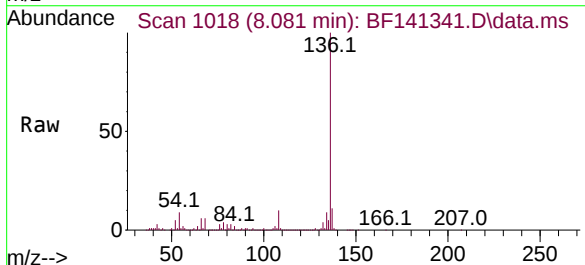
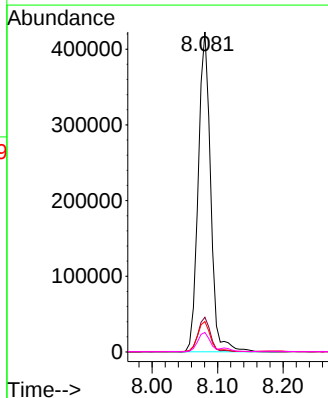
Ion Ratio Lower Upper

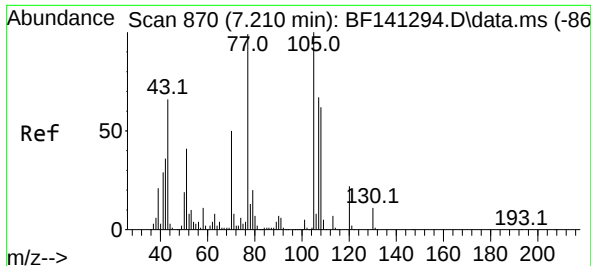
136 100

137 10.9 8.6 13.0

54 9.5 7.8 11.8

68 6.1 4.9 7.3

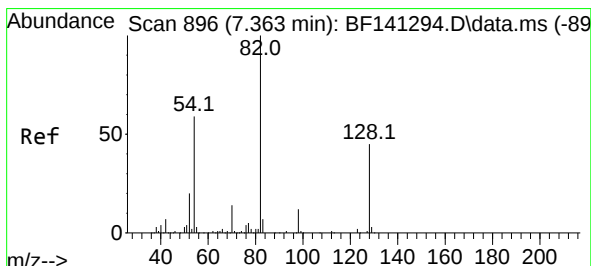
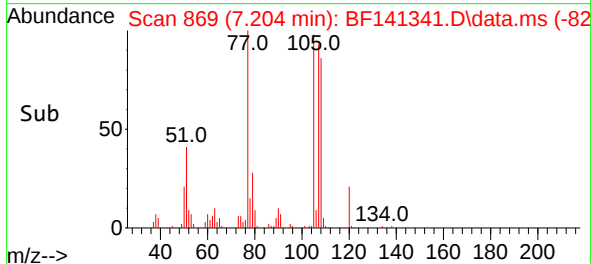
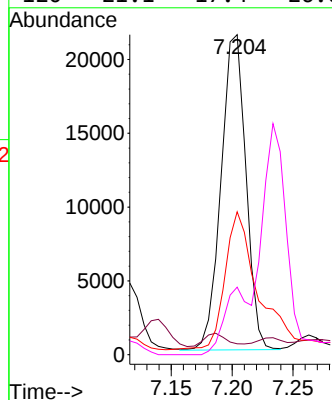
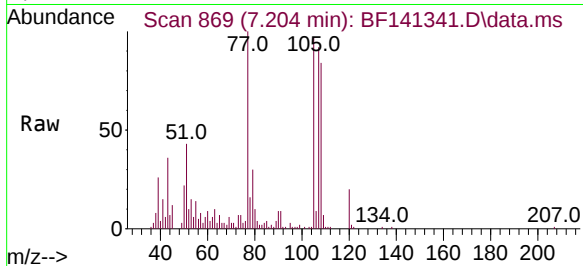




#22
Acetophenone
Concen: 2.304 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141341.D
Acq: 31 Jan 2025 19:37

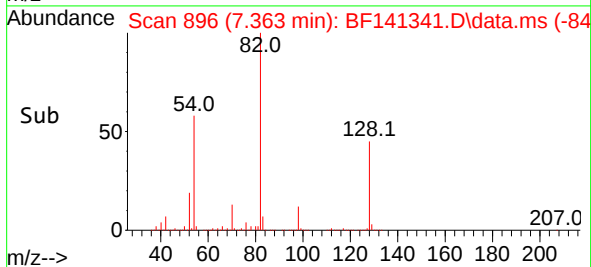
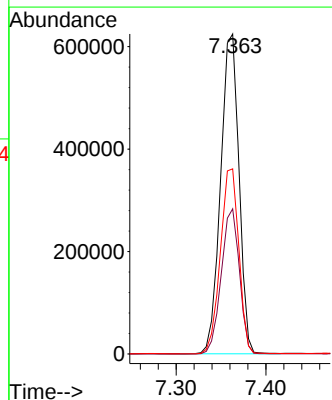
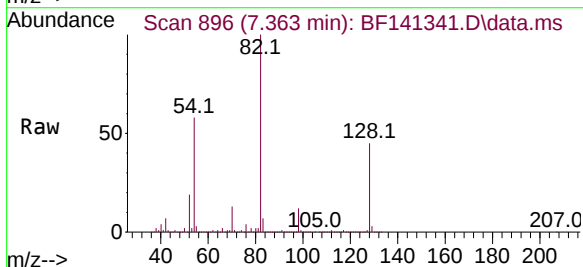
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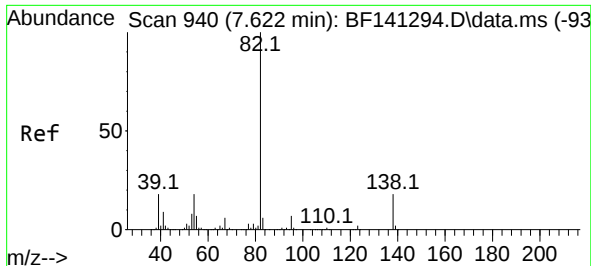
Tgt Ion:105 Resp: 30458
Ion Ratio Lower Upper
105 100
71 3.4 6.8 10.2#
51 44.6 32.6 49.0
120 21.1 17.4 26.0



#23
Nitrobenzene-d5
Concen: 84.144 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.006 min
Lab File: BF141341.D
Acq: 31 Jan 2025 19:37

Tgt Ion: 82 Resp: 887849
Ion Ratio Lower Upper
82 100
128 45.3 35.7 53.5
54 57.9 47.1 70.7

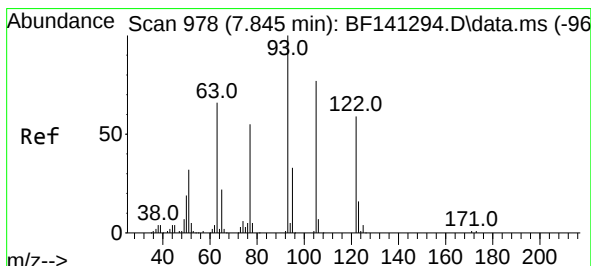
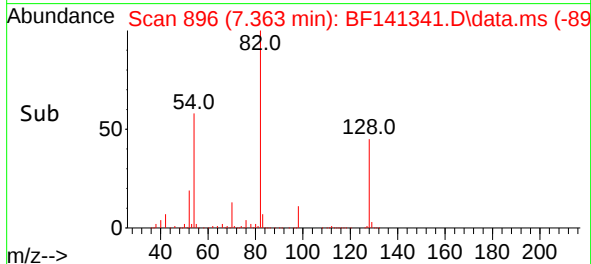
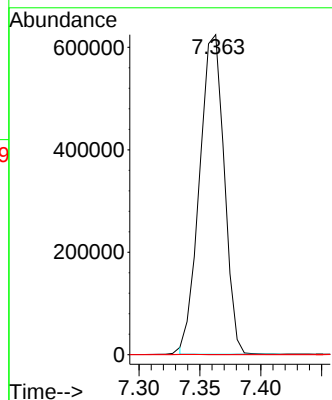
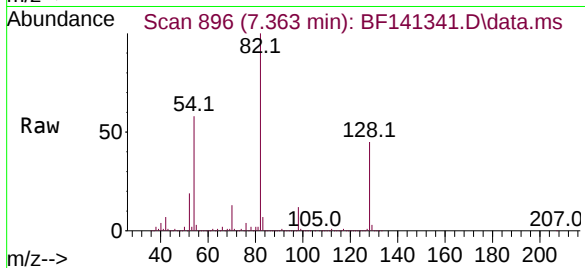




#25
Isophorone
Concen: 48.116 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF141341.D
Acq: 31 Jan 2025 19:37

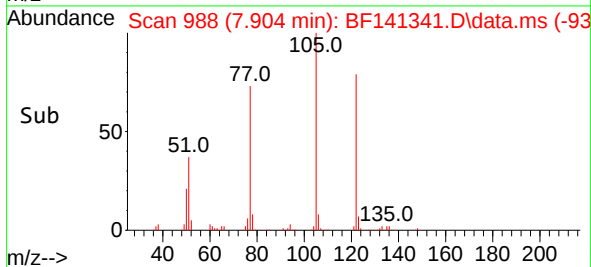
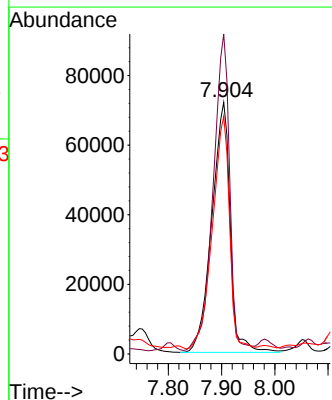
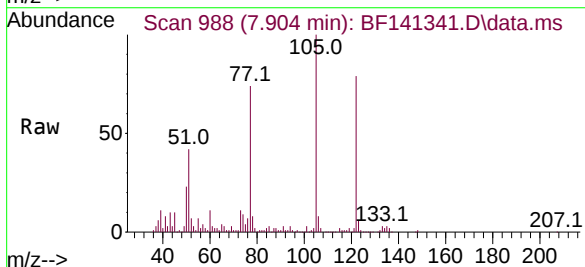
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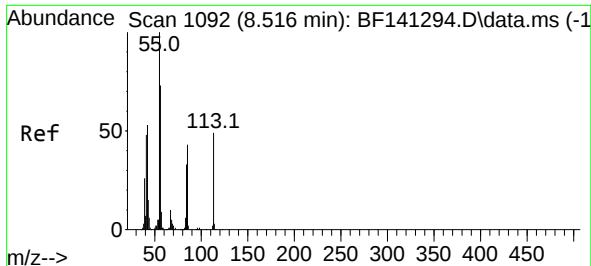
Tgt Ion: 82 Resp: 877602
Ion Ratio Lower Upper
82 100
95 0.1 5.8 8.6#
138 0.0 14.7 22.1#



#32
Benzoic acid
Concen: 28.422 ng
RT: 7.904 min Scan# 988
Delta R.T. 0.023 min
Lab File: BF141341.D
Acq: 31 Jan 2025 19:37

Tgt Ion:122 Resp: 171498
Ion Ratio Lower Upper
122 100
105 127.2 103.4 143.4
77 94.4 70.9 110.9

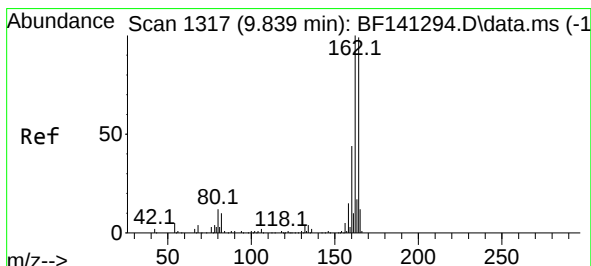
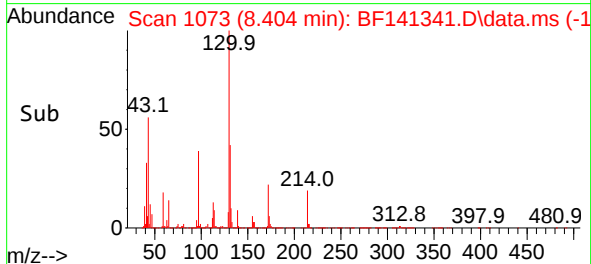
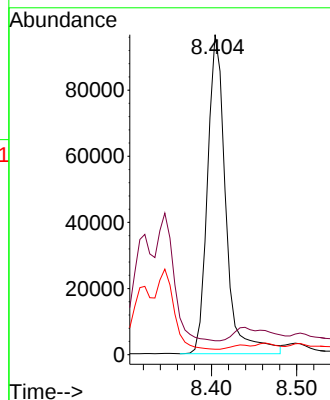
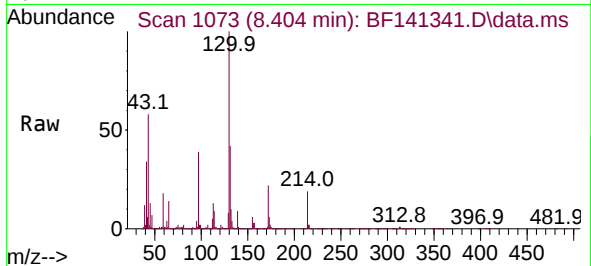




#35
 Caprolactam
 Concen: 54.883 ng
 RT: 8.404 min Scan# 1092
 Delta R.T. -0.141 min
 Lab File: BF141341.D
 Acq: 31 Jan 2025 19:37

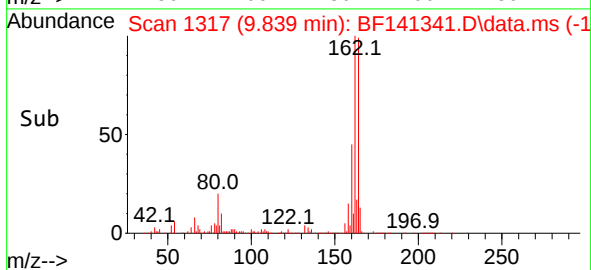
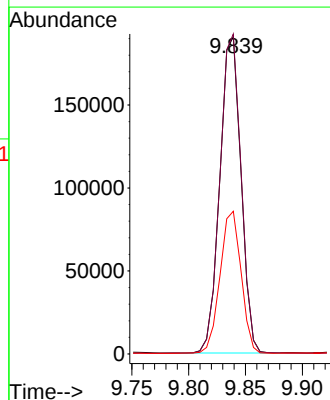
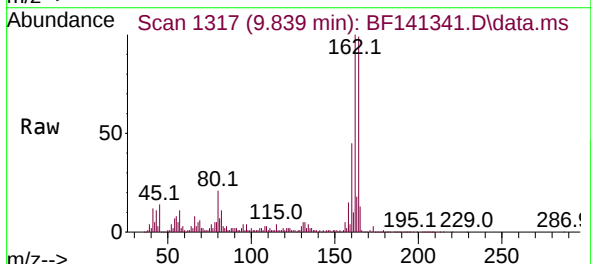
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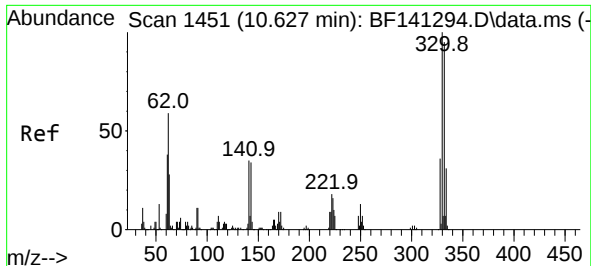
Tgt Ion:113 Resp: 144034
 Ion Ratio Lower Upper
 113 100
 55 4.3 182.9 222.9#
 56 1.7 127.9 167.9#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.839 min Scan# 1317
 Delta R.T. -0.000 min
 Lab File: BF141341.D
 Acq: 31 Jan 2025 19:37

Tgt Ion:164 Resp: 247143
 Ion Ratio Lower Upper
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 162 100.8 80.6 121.0
 160 45.0 35.8 53.6

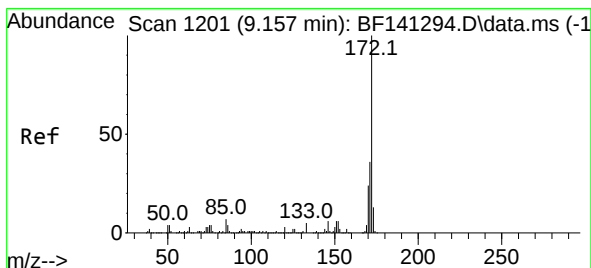
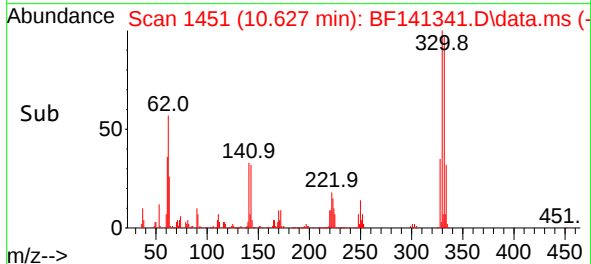
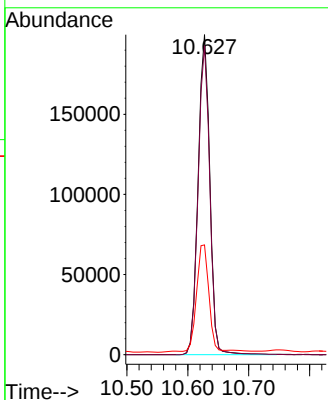
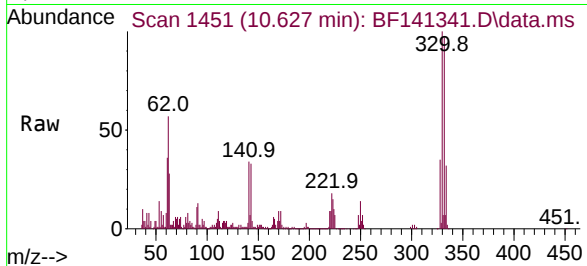




#42
2,4,6-Tribromophenol
Concen: 117.366 ng
RT: 10.627 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141341.D
Acq: 31 Jan 2025 19:37

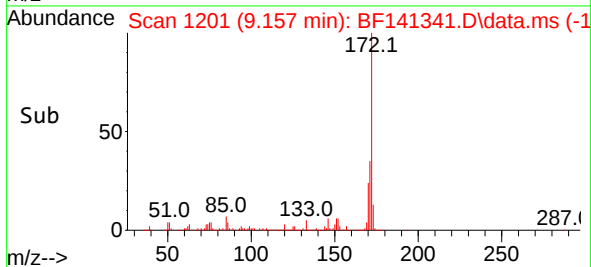
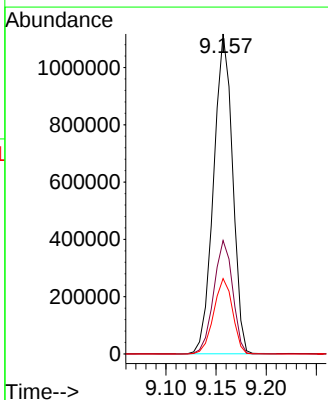
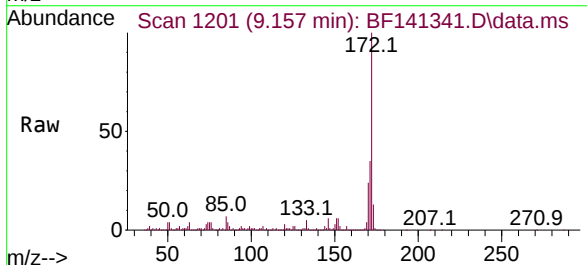
Instrument :
BNA_F
ClientSampleId :
LAW-25-0015

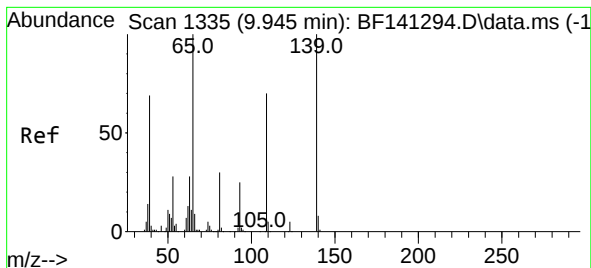
Tgt Ion:330 Resp: 265919
Ion Ratio Lower Upper
330 100
332 96.6 76.1 114.1
141 34.5 28.8 43.2



#45
2-Fluorobiphenyl
Concen: 91.622 ng
RT: 9.157 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF141341.D
Acq: 31 Jan 2025 19:37

Tgt Ion:172 Resp: 1471142
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 23.5 19.0 28.6





#56

4-Nitrophenol

Concen: 2.671 ng

RT: 9.975 min Scan# 1

Delta R.T. 0.018 min

Lab File: BF141341.D

Acq: 31 Jan 2025 19:37

Instrument :

BNA_F

ClientSampleId :

LAW-25-0015

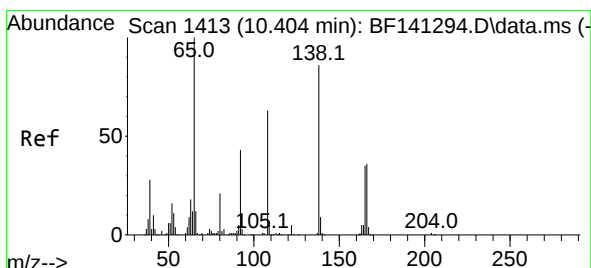
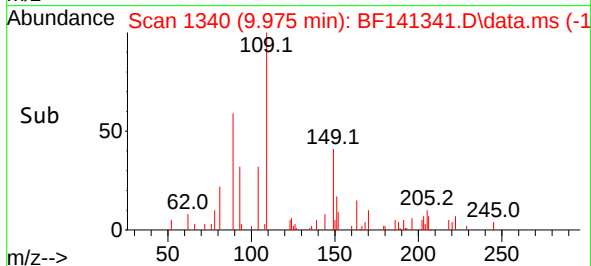
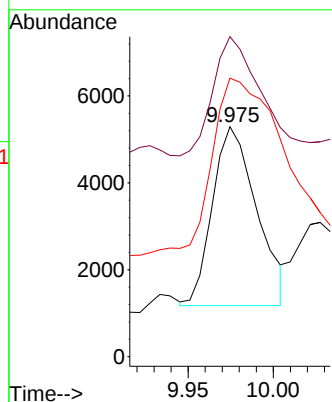
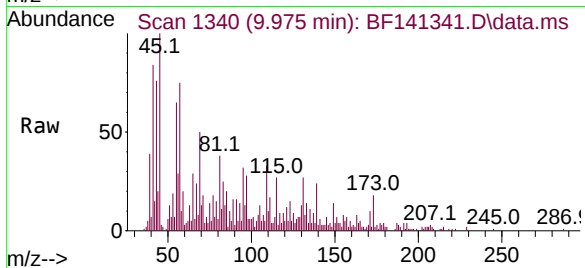
Tgt Ion:139 Resp: 7421

Ion Ratio Lower Upper

139 100

109 139.2 50.2 90.2#

65 121.2 80.6 120.6#



#62

4-Nitroaniline

Concen: 2.316 ng

RT: 10.392 min Scan# 1411

Delta R.T. -0.024 min

Lab File: BF141341.D

Acq: 31 Jan 2025 19:37

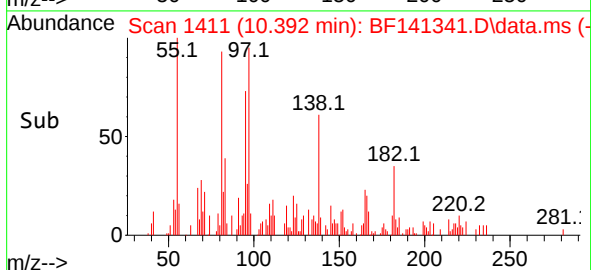
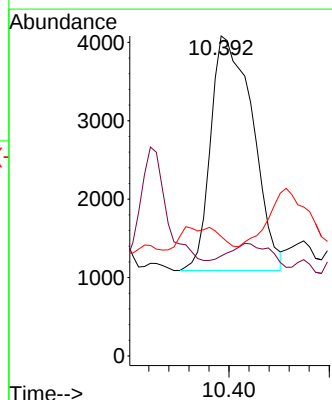
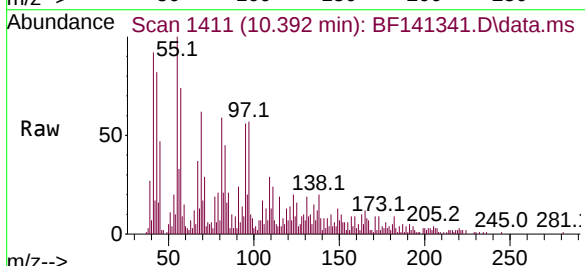
Tgt Ion:138 Resp: 8649

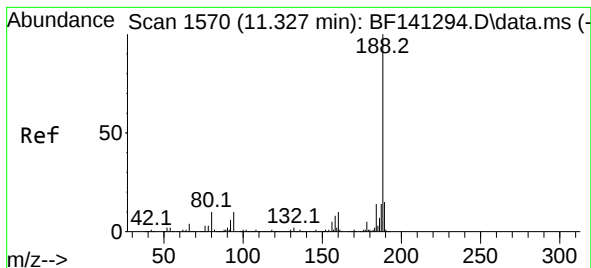
Ion Ratio Lower Upper

138 100

92 31.2 30.1 70.1

108 37.4 53.1 93.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.322 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141341.D

Acq: 31 Jan 2025 19:37

Instrument :

BNA_F

ClientSampleId :

LAW-25-0015

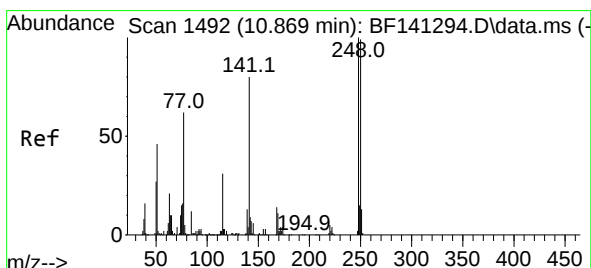
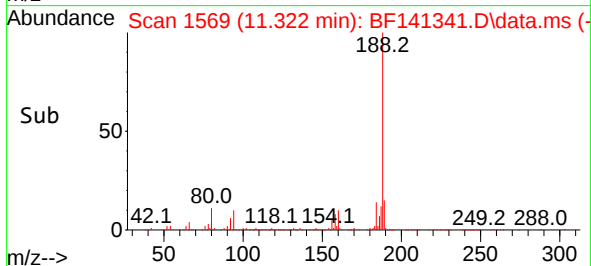
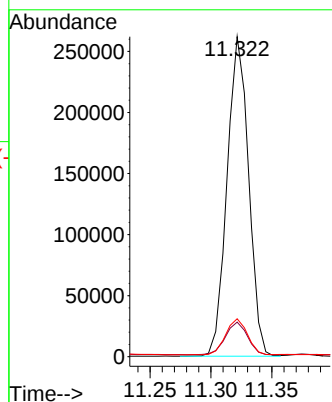
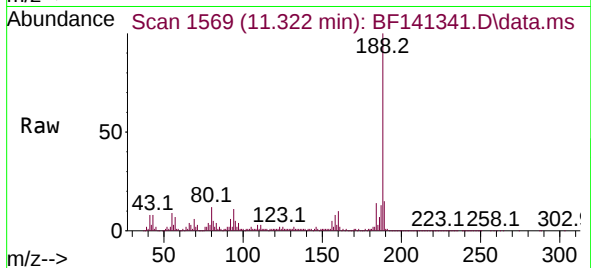
Tgt Ion:188 Resp: 322626

Ion Ratio Lower Upper

188 100

94 10.8 7.8 11.6

80 11.9 8.2 12.4



#67

4-Bromophenyl-phenylether

Concen: 5.309 ng

RT: 10.627 min Scan# 1451

Delta R.T. -0.247 min

Lab File: BF141341.D

Acq: 31 Jan 2025 19:37

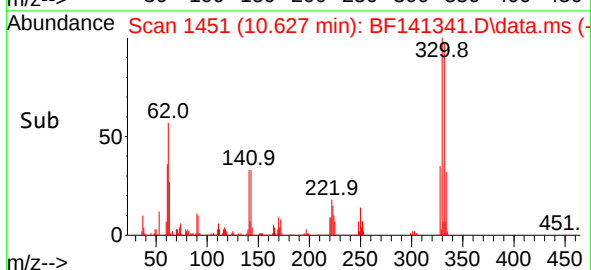
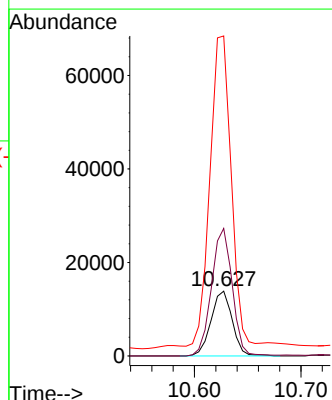
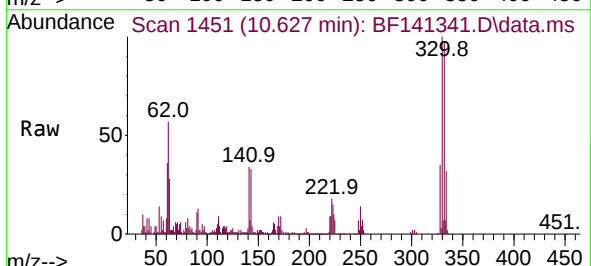
Tgt Ion:248 Resp: 19176

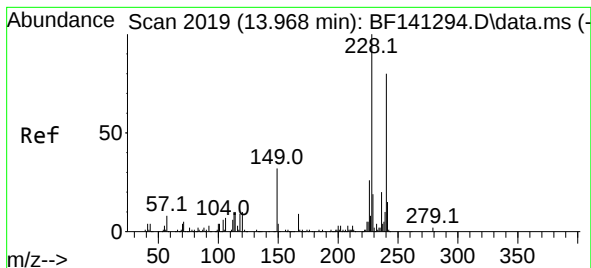
Ion Ratio Lower Upper

248 100

250 196.5 79.0 118.4#

141 493.2 63.7 95.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF141341.D

Acq: 31 Jan 2025 19:37

Instrument :

BNA_F

ClientSampleId :

LAW-25-0015

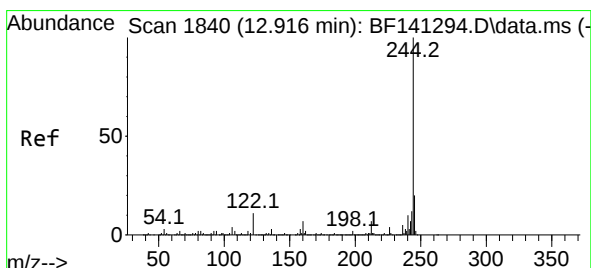
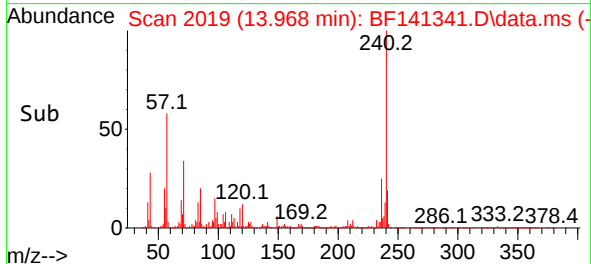
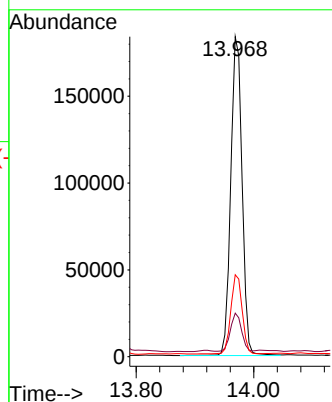
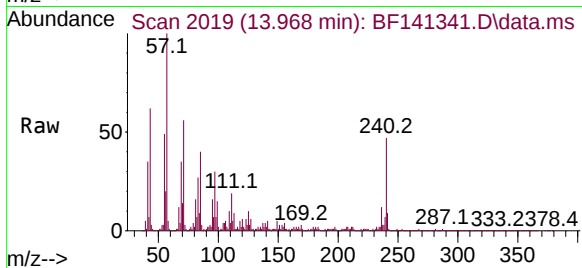
Tgt Ion:240 Resp: 245293

Ion Ratio Lower Upper

240 100

120 13.6 10.0 15.0

236 25.6 19.7 29.5



#79

Terphenyl-d14

Concen: 72.376 ng

RT: 12.916 min Scan# 1840

Delta R.T. -0.000 min

Lab File: BF141341.D

Acq: 31 Jan 2025 19:37

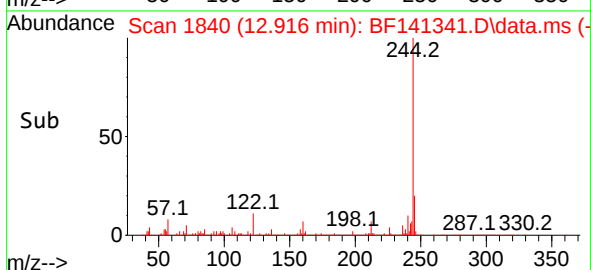
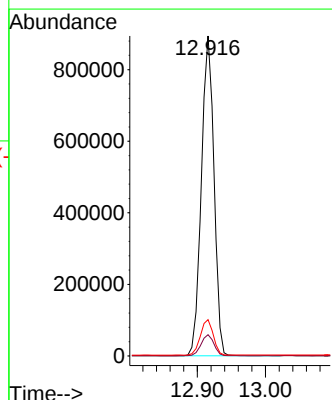
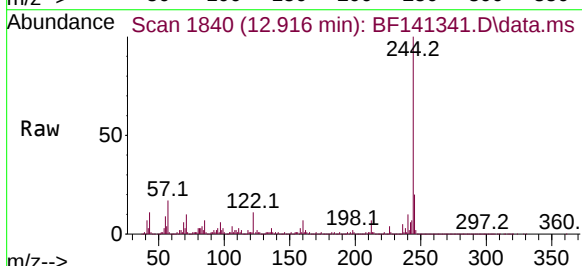
Tgt Ion:244 Resp: 1151176

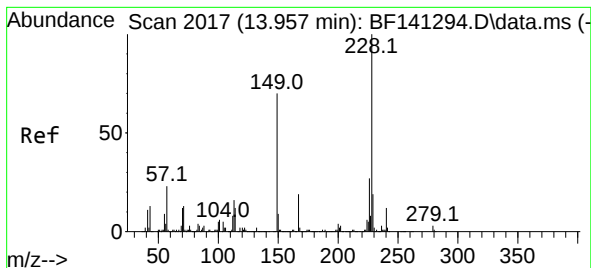
Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 11.4 8.8 13.2

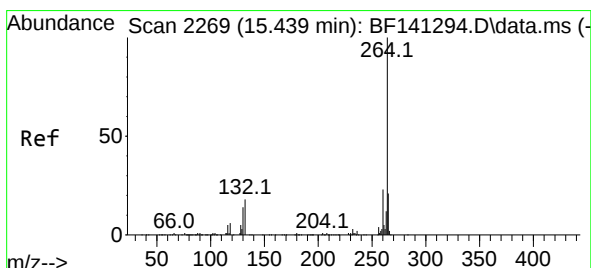
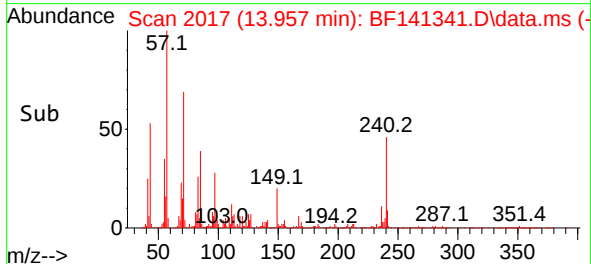
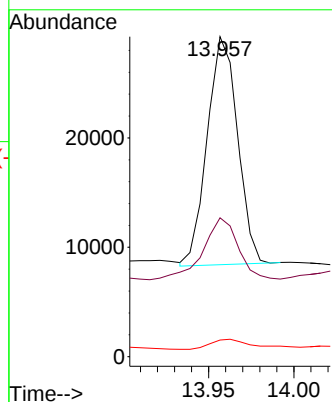
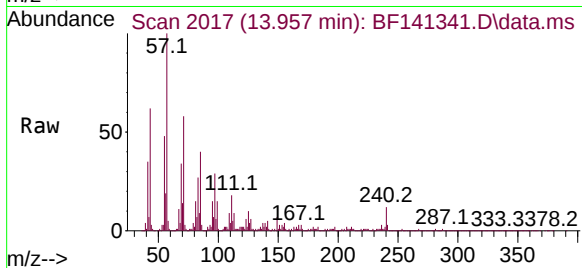




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.478 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.000 min
Lab File: BF141341.D
Acq: 31 Jan 2025 19:37

Instrument :
BNA_F
ClientSampleId :
LAW-25-0015

Tgt Ion:149 Resp: 25857
Ion Ratio Lower Upper
149 100
167 43.4 21.8 32.8#
279 5.2 3.3 4.9#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BF141341.D
Acq: 31 Jan 2025 19:37

Tgt Ion:264 Resp: 245820
Ion Ratio Lower Upper
264 100
260 23.5 18.6 27.8
265 21.3 16.7 25.1

