

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051425\
 Data File : BF142382.D
 Acq On : 14 May 2025 23:00
 Operator : RC/JU
 Sample : Q2005-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 252806

Quant Time: May 15 04:12:07 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)

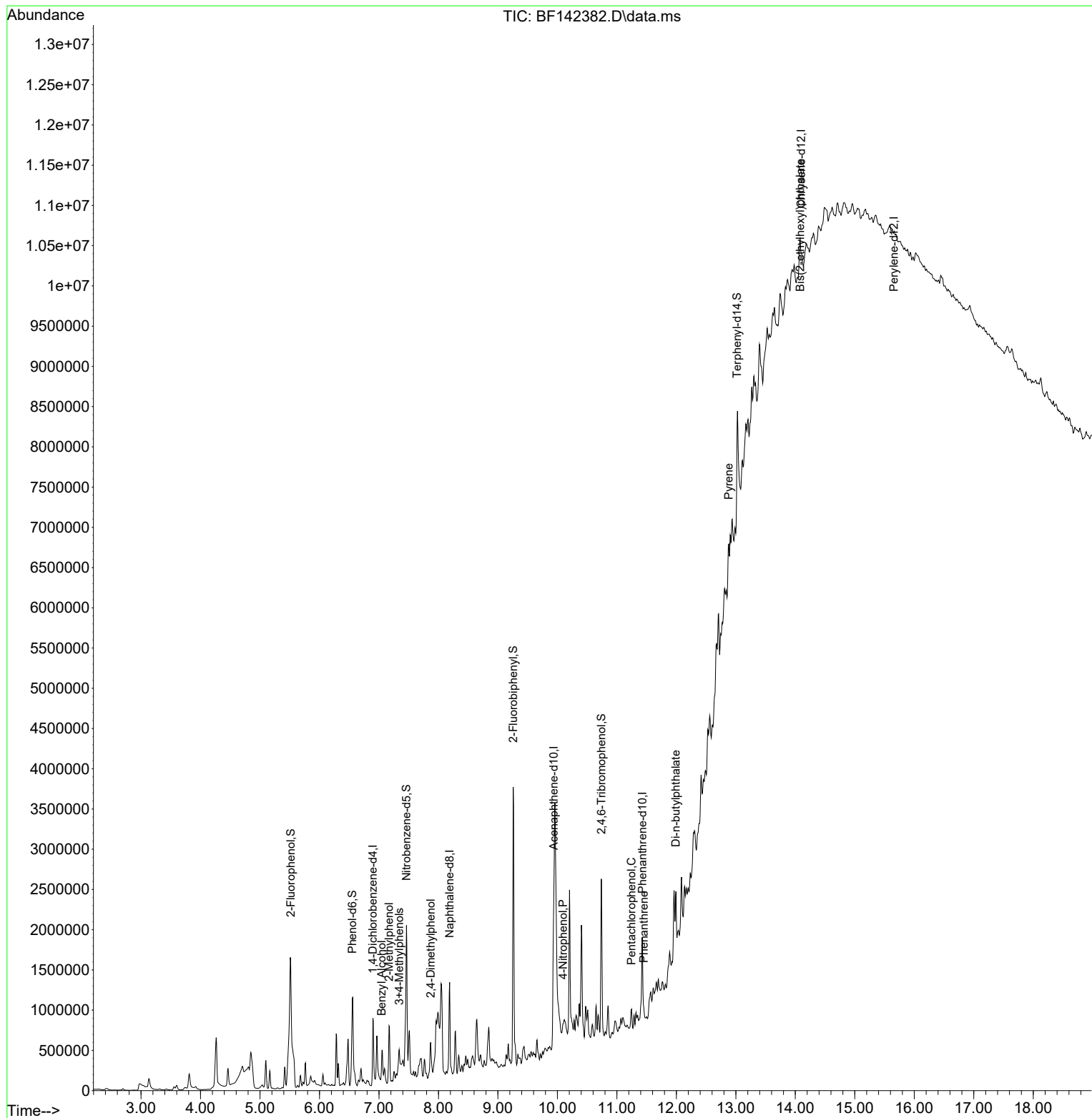
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	166224	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	626301	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	302822	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	503983	20.000	ng	0.00
76) Chrysene-d12	14.098	240	143368	20.000	ng	# 0.03
86) Perylene-d12	15.657	264	133366	20.000	ng	# 0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	732163	75.191	ng	0.00
7) Phenol-d6	6.551	99	678904	56.688	ng	0.03
23) Nitrobenzene-d5	7.463	82	797542	77.662	ng	0.00
42) 2,4,6-Tribromophenol	10.739	330	370437	126.702	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1559876	73.449	ng	0.00
79) Terphenyl-d14	13.022	244	866079	89.412	ng	0.00
Target Compounds						
						Qvalue
15) Benzyl Alcohol	7.045	79	27409	3.534	ng	98
17) 2-Methylphenol	7.169	107	157636	18.712	ng	99
20) 3+4-Methylphenols	7.340	107	88826	8.448	ng	# 77
27) 2,4-Dimethylphenol	7.869	122	72111m	7.375	ng	
56) 4-Nitrophenol	10.092	139	34345	10.690	ng	94
70) Pentachlorophenol	11.245	266	38380	11.612	ng	98
71) Phenanthrene	11.451	178	105805	4.005	ng	# 95
74) Di-n-butylphthalate	11.992	149	584642	22.831	ng	98
78) Pyrene	12.880	202	108210	8.480	ng	# 79
84) Bis(2-ethylhexyl)phtha...	14.080	149	369616	73.722	ng	# 90

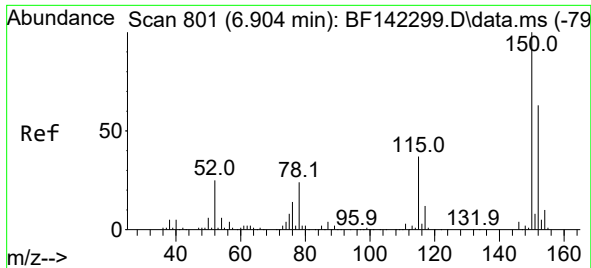
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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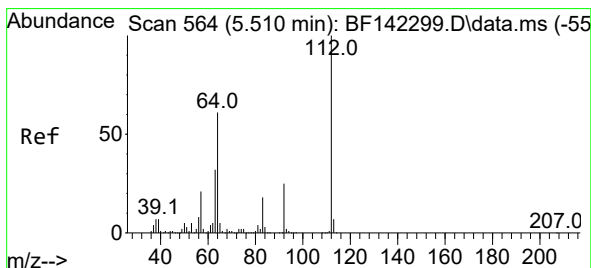
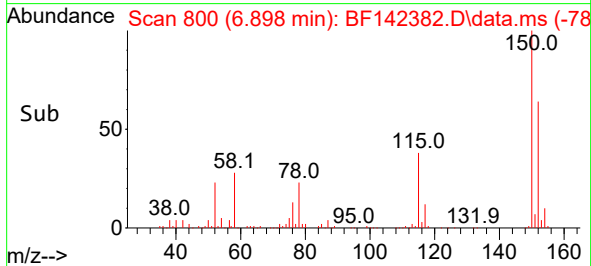
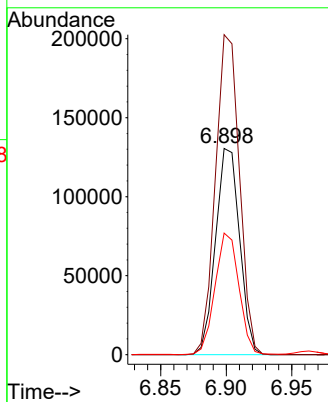
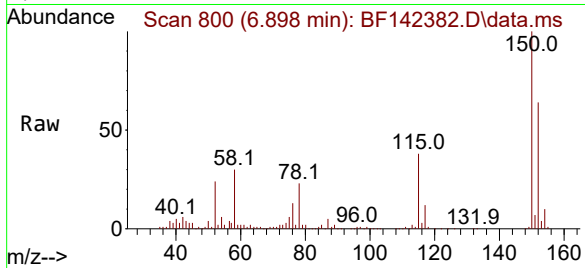




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF142382.D
Acq: 14 May 2025 23:00

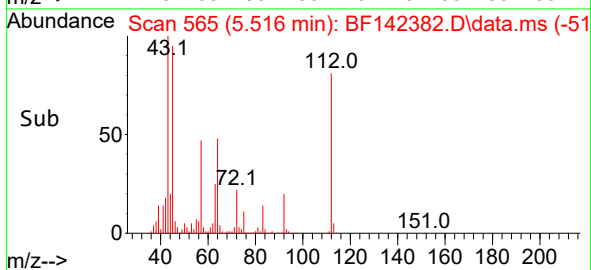
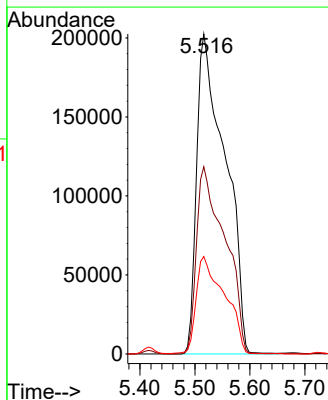
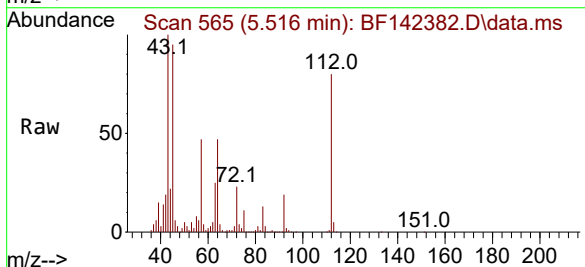
Instrument :
BNA_F
ClientSampleId :
252806

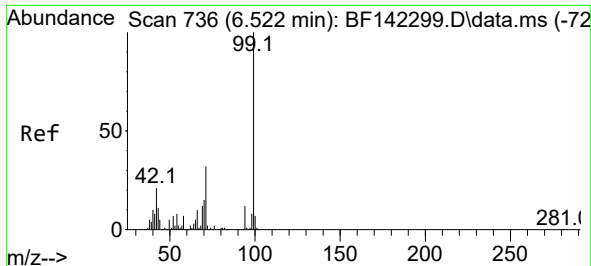
Tgt Ion:152 Resp: 166224
Ion Ratio Lower Upper
152 100
150 155.2 126.6 190.0
115 59.0 47.3 70.9



#5
2-Fluorophenol
Concen: 75.191 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF142382.D
Acq: 14 May 2025 23:00

Tgt Ion:112 Resp: 732163
Ion Ratio Lower Upper
112 100
64 58.5 48.9 73.3
63 30.5 25.6 38.4





#7

Phenol-d6

Concen: 56.688 ng

RT: 6.551 min Scan# 741

Delta R.T. 0.029 min

Lab File: BF142382.D

Acq: 14 May 2025 23:00

Instrument :

BNA_F

ClientSampleId :

252806

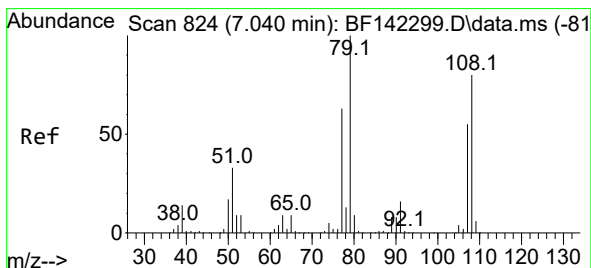
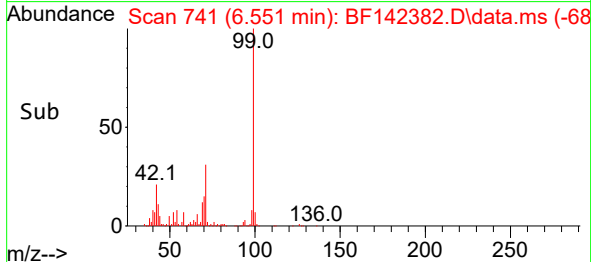
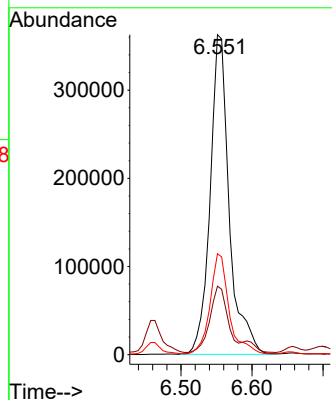
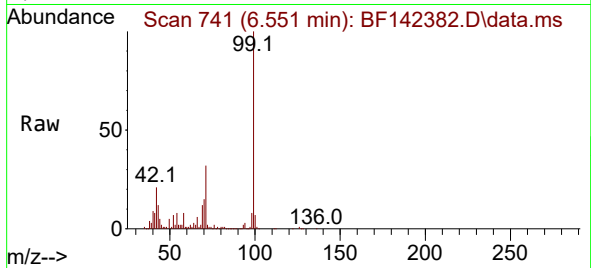
Tgt Ion: 99 Resp: 678904

Ion Ratio Lower Upper

99 100

42 21.4 17.0 25.4

71 31.5 25.8 38.8



#15

Benzyl Alcohol

Concen: 3.534 ng

RT: 7.045 min Scan# 825

Delta R.T. 0.006 min

Lab File: BF142382.D

Acq: 14 May 2025 23:00

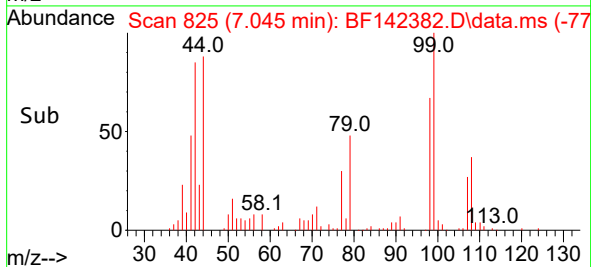
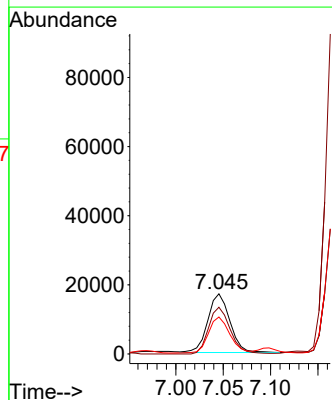
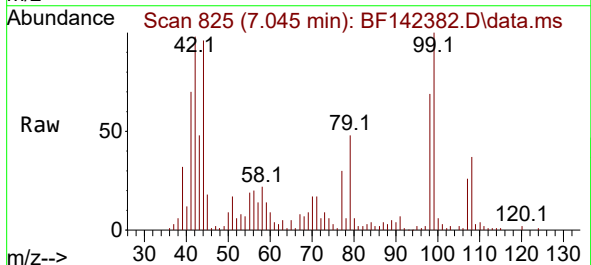
Tgt Ion: 79 Resp: 27409

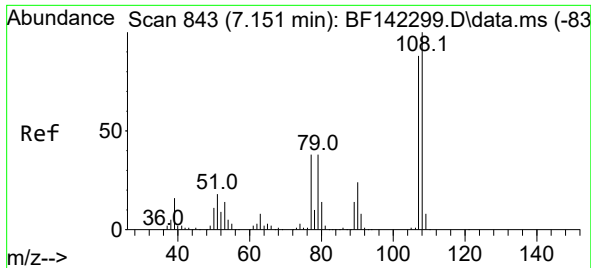
Ion Ratio Lower Upper

79 100

108 77.9 63.9 95.9

77 61.5 50.7 76.1

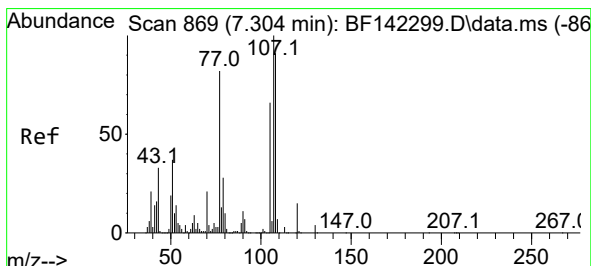
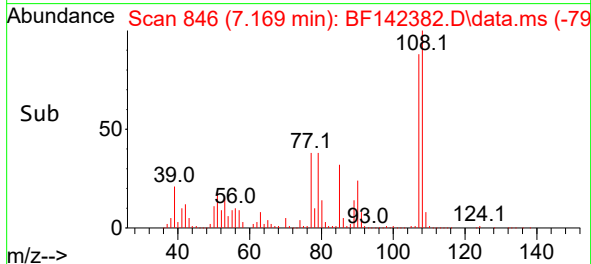
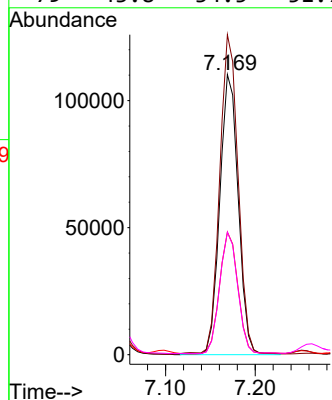
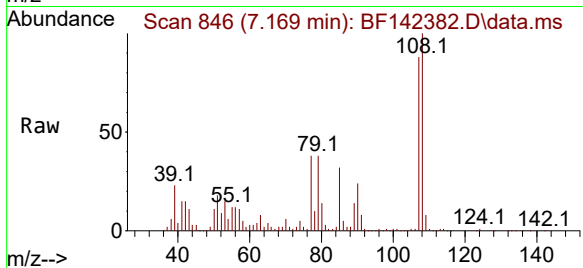




#17
2-Methylphenol
Concen: 18.712 ng
RT: 7.169 min Scan# 843
Delta R.T. 0.018 min
Lab File: BF142382.D
Acq: 14 May 2025 23:00

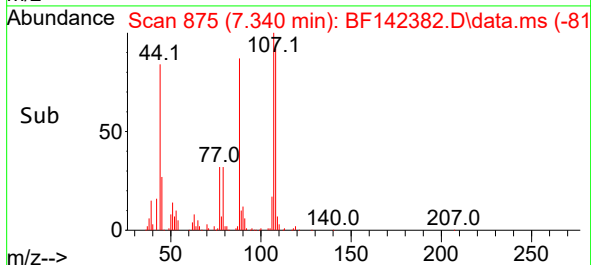
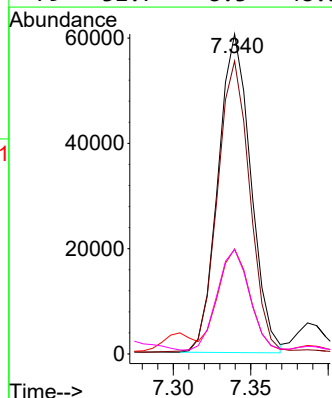
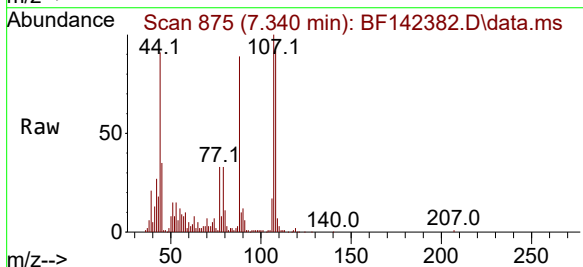
Instrument :
BNA_F
ClientSampleId :
252806

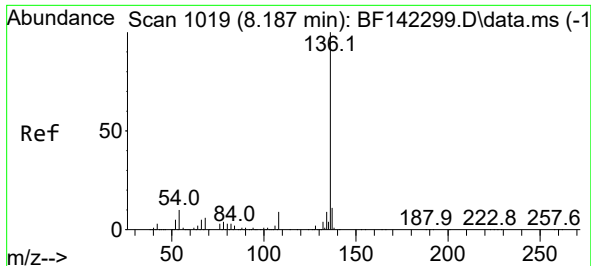
Tgt Ion:107 Resp: 157636
Ion Ratio Lower Upper
107 100
108 114.2 91.1 136.7
77 43.7 34.7 52.1
79 43.8 34.5 51.7



#20
3+4-Methylphenols
Concen: 8.448 ng
RT: 7.340 min Scan# 875
Delta R.T. 0.035 min
Lab File: BF142382.D
Acq: 14 May 2025 23:00

Tgt Ion:107 Resp: 88826
Ion Ratio Lower Upper
107 100
108 91.5 71.5 111.5
77 32.8 61.6 101.6#
79 32.7 8.3 48.3

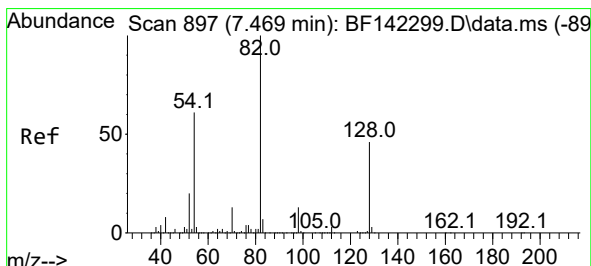
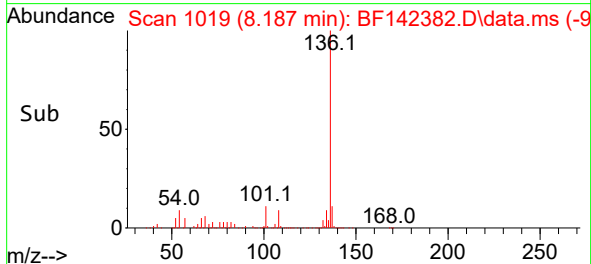
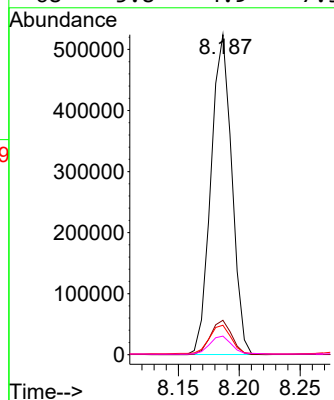
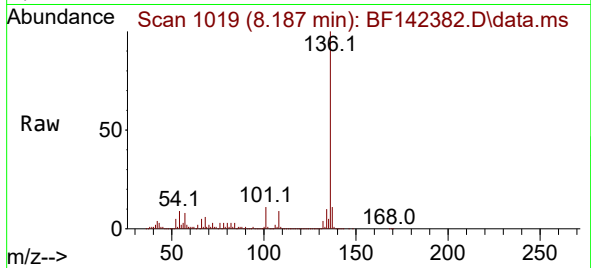




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF142382.D
Acq: 14 May 2025 23:00

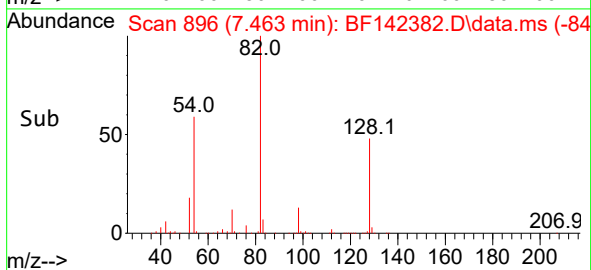
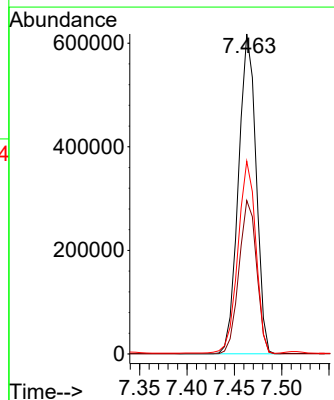
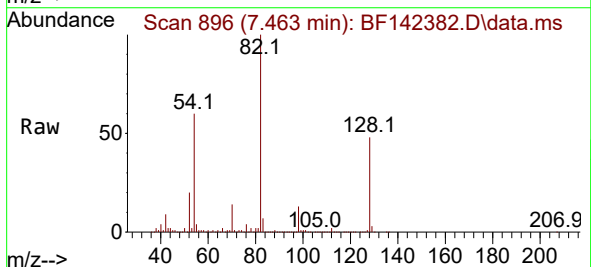
Instrument :
BNA_F
ClientSampleId :
252806

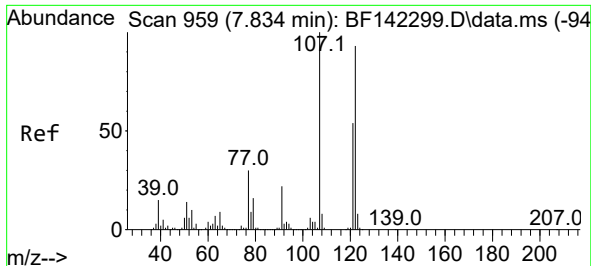
Tgt Ion:	136	Resp:	626301
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	9.2	7.7	11.5
68	5.8	4.9	7.3



#23
Nitrobenzene-d5
Concen: 77.662 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.006 min
Lab File: BF142382.D
Acq: 14 May 2025 23:00

Tgt Ion:	82	Resp:	797542
Ion	Ratio	Lower	Upper
82	100		
128	47.9	37.0	55.6
54	60.3	48.6	73.0





#27

2,4-Dimethylphenol

Concen: 7.375 ng m

RT: 7.869 min Scan# 9

Delta R.T. 0.035 min

Lab File: BF142382.D

Acq: 14 May 2025 23:00

Instrument :

BNA_F

ClientSampleId :

252806

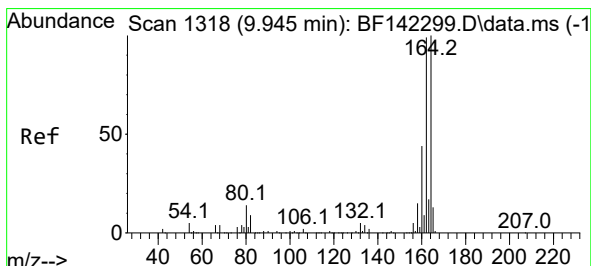
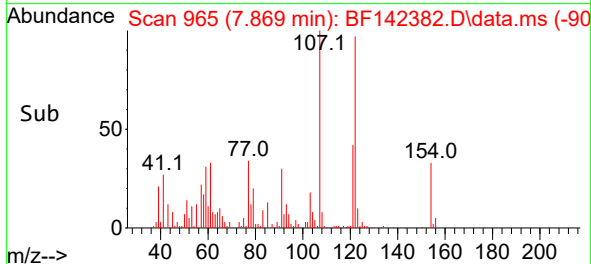
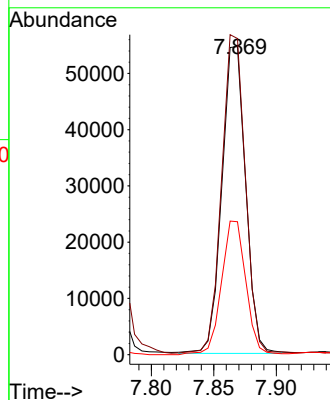
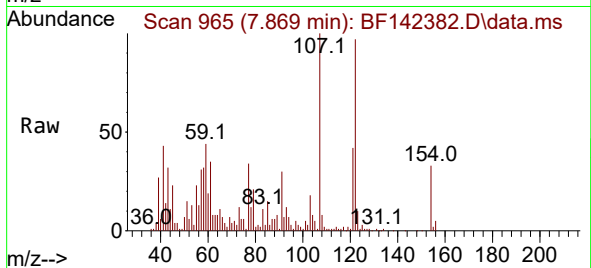
Tgt Ion:122 Resp: 72111

Ion Ratio Lower Upper

122 100

107 102.7 86.0 129.0

121 43.2 46.2 69.4#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.939 min Scan# 1317

Delta R.T. -0.006 min

Lab File: BF142382.D

Acq: 14 May 2025 23:00

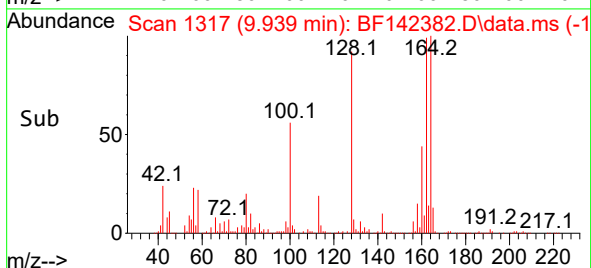
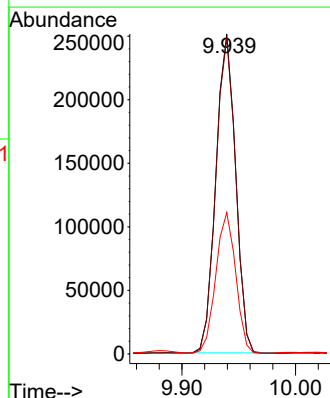
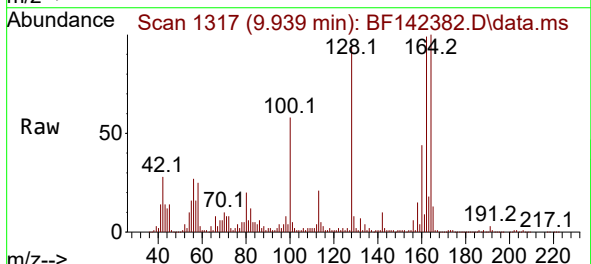
Tgt Ion:164 Resp: 302822

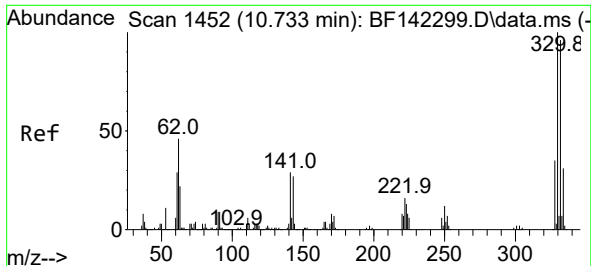
Ion Ratio Lower Upper

164 100

162 98.7 79.2 118.8

160 44.2 35.3 52.9





#42

2,4,6-Tribromophenol

Concen: 126.702 ng

RT: 10.739 min Scan# 1452

Delta R.T. 0.006 min

Lab File: BF142382.D

Acq: 14 May 2025 23:00

Instrument :

BNA_F

ClientSampleId :

252806

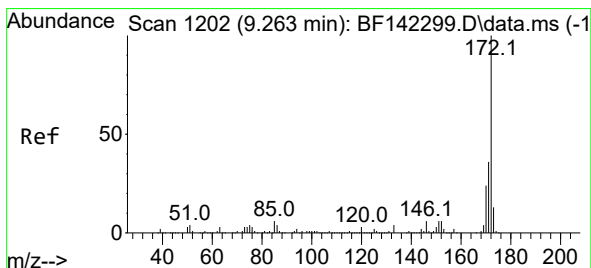
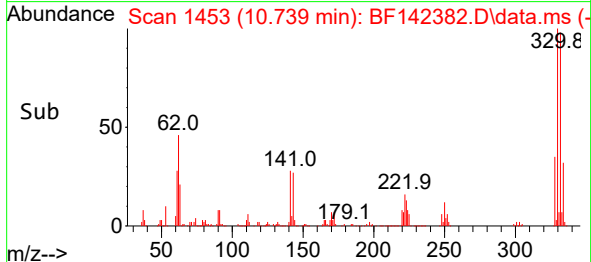
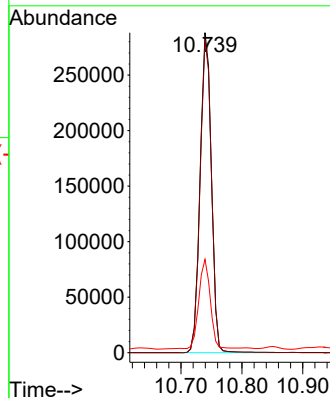
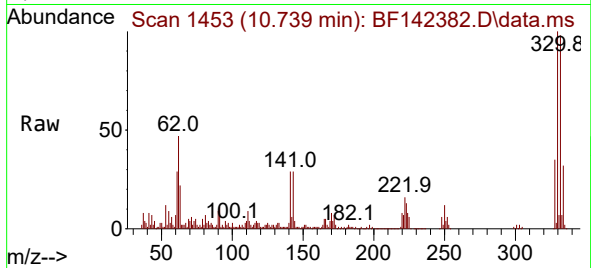
Tgt Ion:330 Resp: 370437

Ion Ratio Lower Upper

330 100

332 98.0 76.8 115.2

141 29.0 24.9 37.3



#45

2-Fluorobiphenyl

Concen: 73.449 ng

RT: 9.257 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF142382.D

Acq: 14 May 2025 23:00

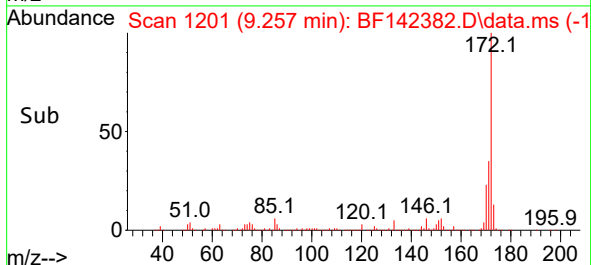
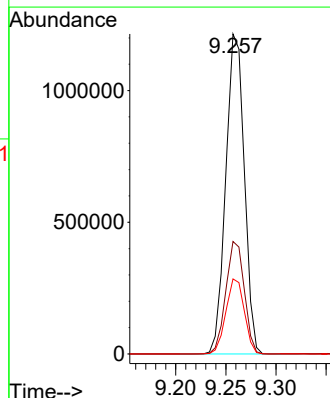
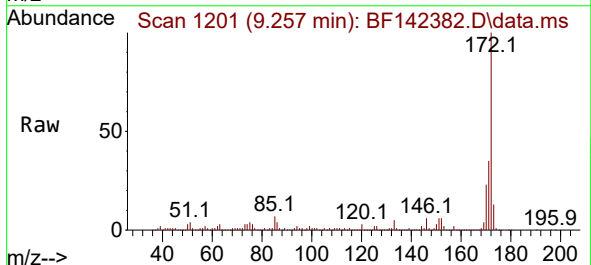
Tgt Ion:172 Resp: 1559876

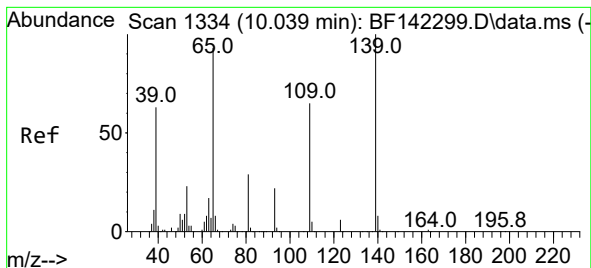
Ion Ratio Lower Upper

172 100

171 35.1 28.6 42.8

170 23.5 19.0 28.4

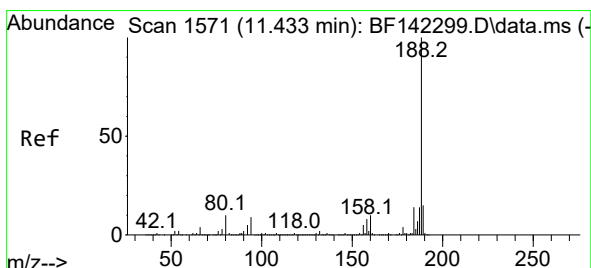
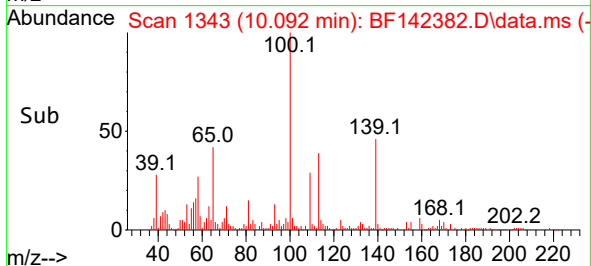
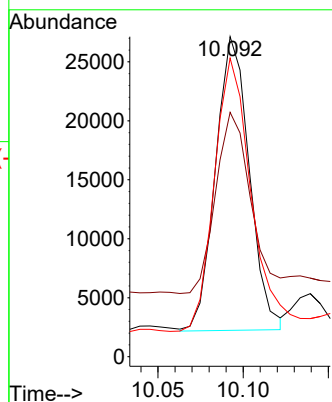
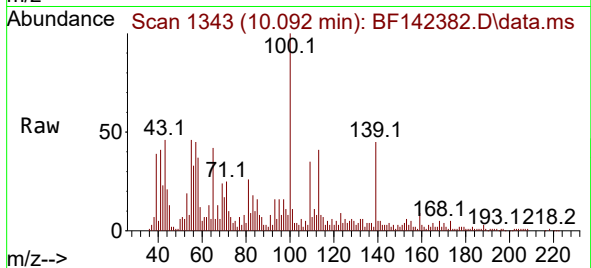




#56
4-Nitrophenol
Concen: 10.690 ng
RT: 10.092 min Scan# 11
Delta R.T. 0.053 min
Lab File: BF142382.D
Acq: 14 May 2025 23:00

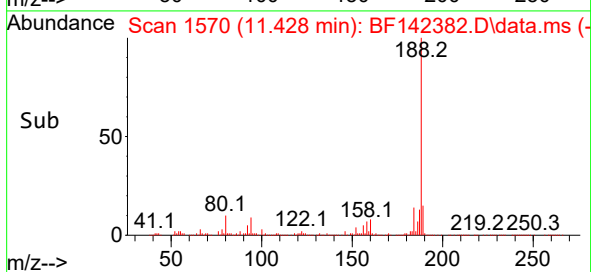
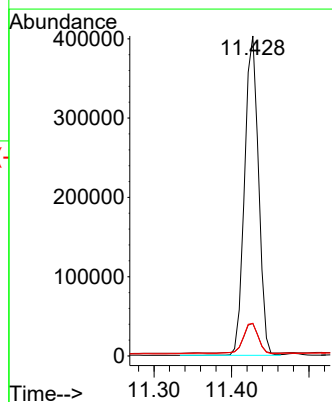
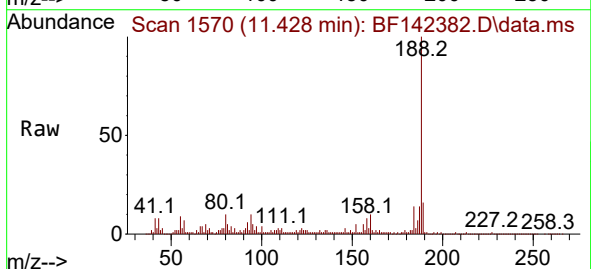
Instrument :
BNA_F
ClientSampleId :
252806

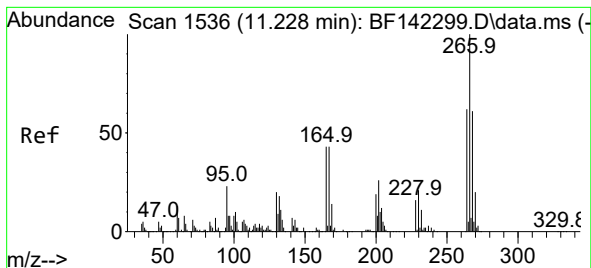
Tgt Ion:139 Resp: 34345
Ion Ratio Lower Upper
139 100
109 76.3 45.3 85.3
65 93.3 73.9 113.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142382.D
Acq: 14 May 2025 23:00

Tgt Ion:188 Resp: 503983
Ion Ratio Lower Upper
188 100
94 10.2 7.5 11.3
80 10.2 7.9 11.9





#70

Pentachlorophenol

Concen: 11.612 ng

RT: 11.245 min Scan# 1539

Delta R.T. 0.018 min

Lab File: BF142382.D

Acq: 14 May 2025 23:00

Instrument :

BNA_F

ClientSampleId :

252806

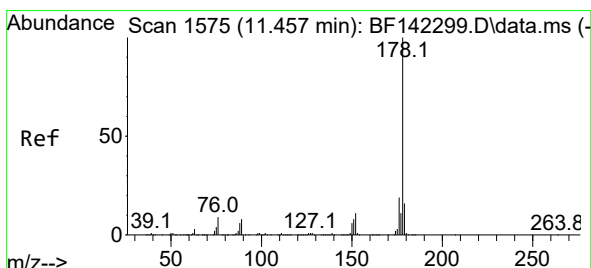
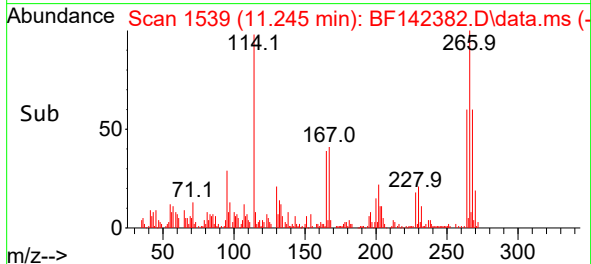
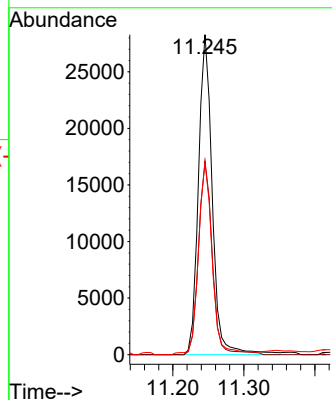
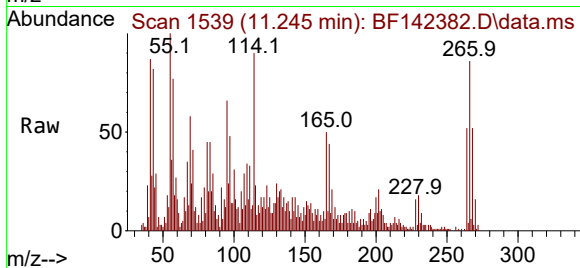
Tgt Ion:266 Resp: 38380

Ion Ratio Lower Upper

266 100

268 60.5 48.7 73.1

264 60.2 49.8 74.6



#71

Phenanthrene

Concen: 4.005 ng

RT: 11.451 min Scan# 1574

Delta R.T. -0.006 min

Lab File: BF142382.D

Acq: 14 May 2025 23:00

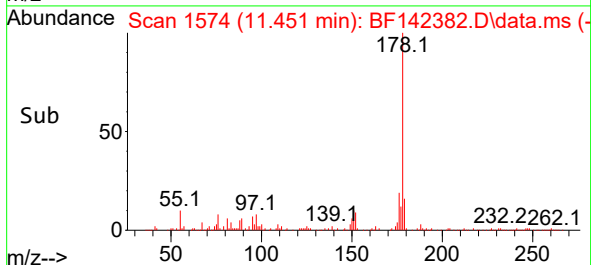
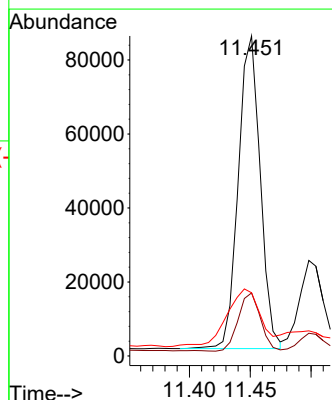
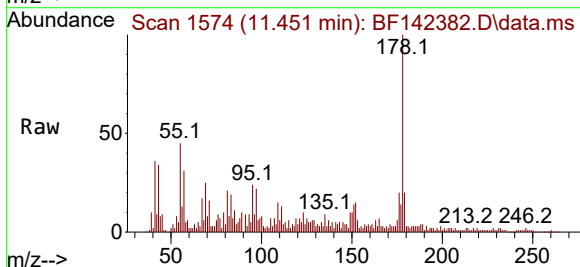
Tgt Ion:178 Resp: 105805

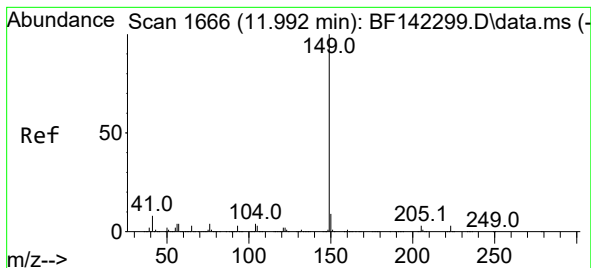
Ion Ratio Lower Upper

178 100

176 19.7 15.5 23.3

179 19.8 12.6 18.8#





#74

Di-n-butylphthalate

Concen: 22.831 ng

RT: 11.992 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF142382.D

Acq: 14 May 2025 23:00

Instrument :

BNA_F

ClientSampleId :

252806

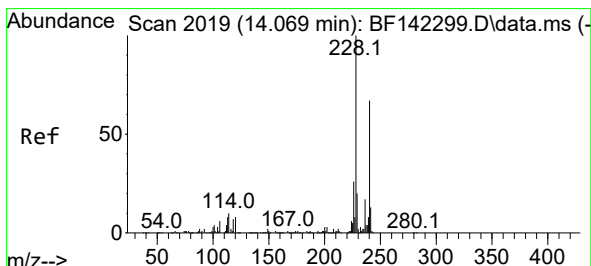
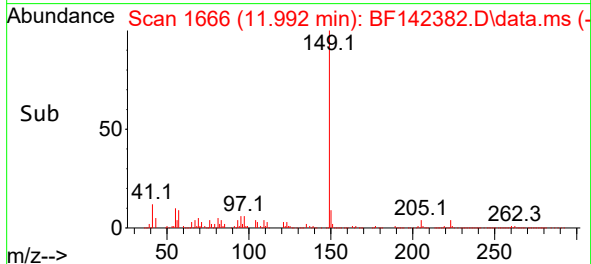
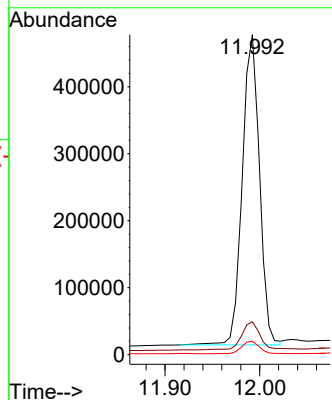
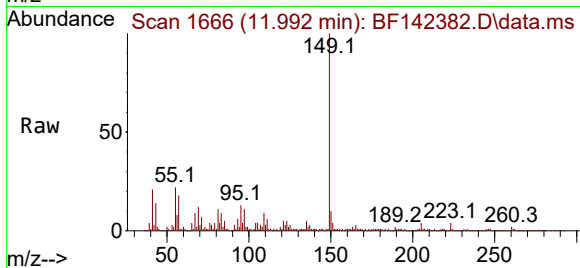
Tgt Ion:149 Resp: 584642

Ion Ratio Lower Upper

149 100

150 10.3 7.5 11.3

104 4.2 3.6 5.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.098 min Scan# 2024

Delta R.T. 0.029 min

Lab File: BF142382.D

Acq: 14 May 2025 23:00

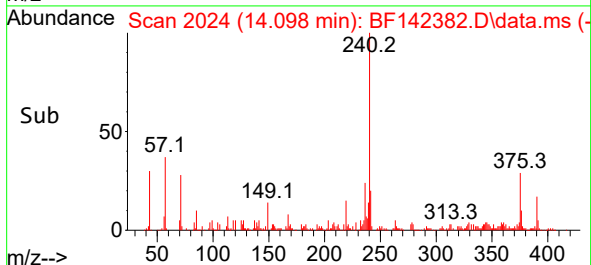
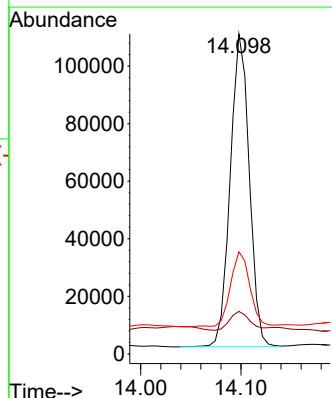
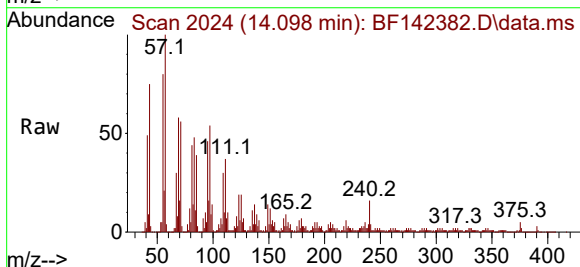
Tgt Ion:240 Resp: 143368

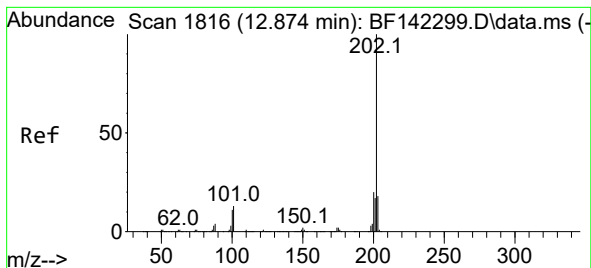
Ion Ratio Lower Upper

240 100

120 13.3 9.7 14.5

236 31.9 20.0 30.0#





#78

Pyrene

Concen: 8.480 ng

RT: 12.880 min Scan# 1816

Delta R.T. 0.006 min

Lab File: BF142382.D

Acq: 14 May 2025 23:00

Instrument :

BNA_F

ClientSampleId :

252806

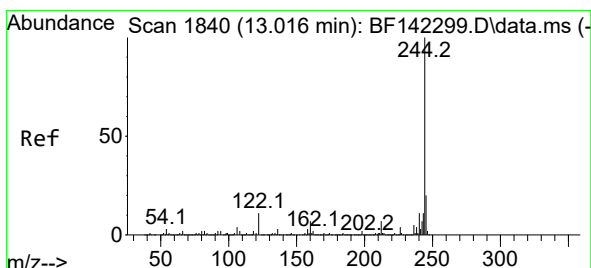
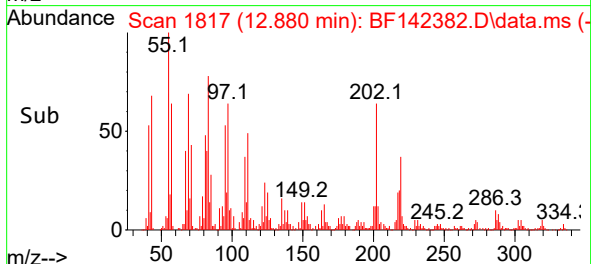
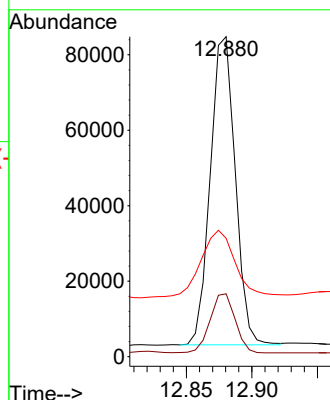
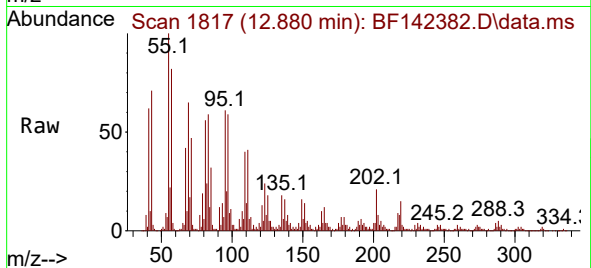
Tgt Ion:202 Resp: 108210

Ion Ratio Lower Upper

202 100

200 19.7 16.2 24.4

203 37.0 14.3 21.5#



#79

Terphenyl-d14

Concen: 89.412 ng

RT: 13.022 min Scan# 1841

Delta R.T. 0.006 min

Lab File: BF142382.D

Acq: 14 May 2025 23:00

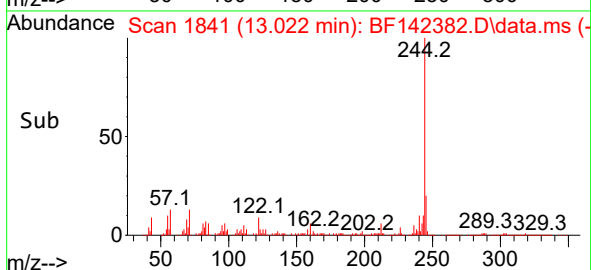
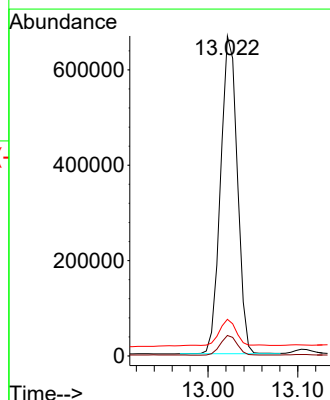
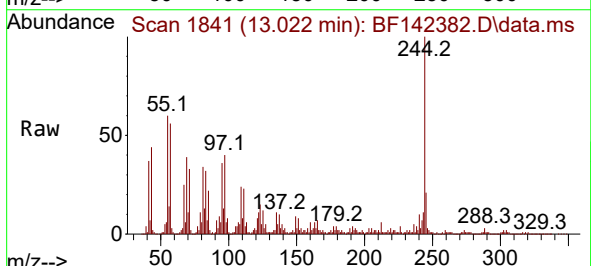
Tgt Ion:244 Resp: 866079

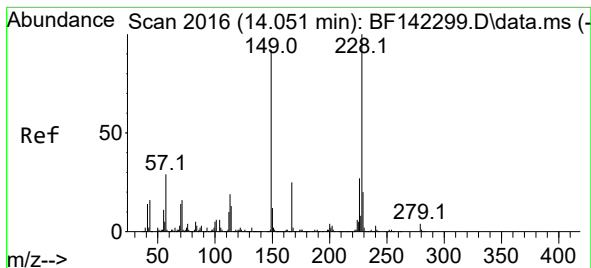
Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.2

122 11.4 9.0 13.4





#84

Bis(2-ethylhexyl)phthalate

Concen: 73.722 ng

RT: 14.080 min Scan# 2016

Delta R.T. 0.029 min

Lab File: BF142382.D

Acq: 14 May 2025 23:00

Instrument :

BNA_F

ClientSampleId :

252806

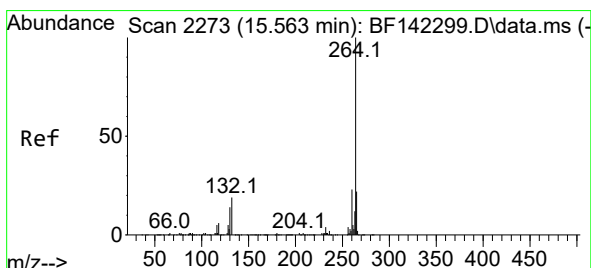
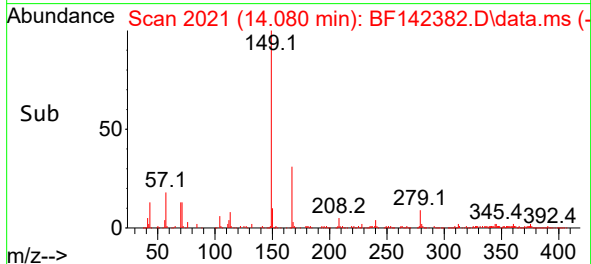
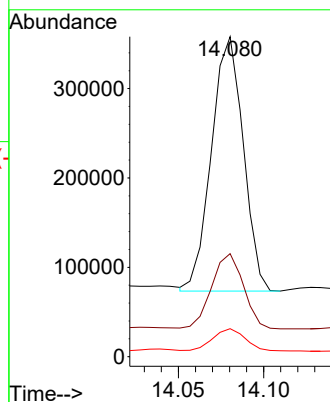
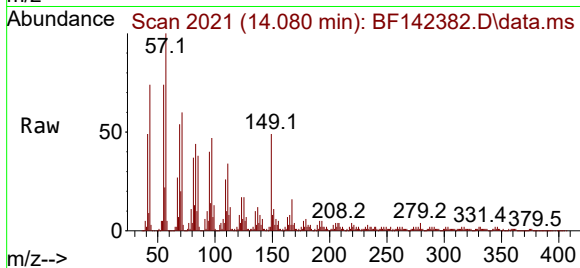
Tgt Ion:149 Resp: 369616

Ion Ratio Lower Upper

149 100

167 32.2 22.0 33.0

279 8.8 3.0 4.6#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.657 min Scan# 2289

Delta R.T. 0.094 min

Lab File: BF142382.D

Acq: 14 May 2025 23:00

Tgt Ion:264 Resp: 133366

Ion Ratio Lower Upper

264 100

260 28.0 18.6 27.8#

265 30.7 17.5 26.3#

