

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
 Data File : BF142409.D
 Acq On : 15 May 2025 23:31
 Operator : RC/JU
 Sample : Q2014-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MOO-25-0134

Quant Time: May 16 01:11:11 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)

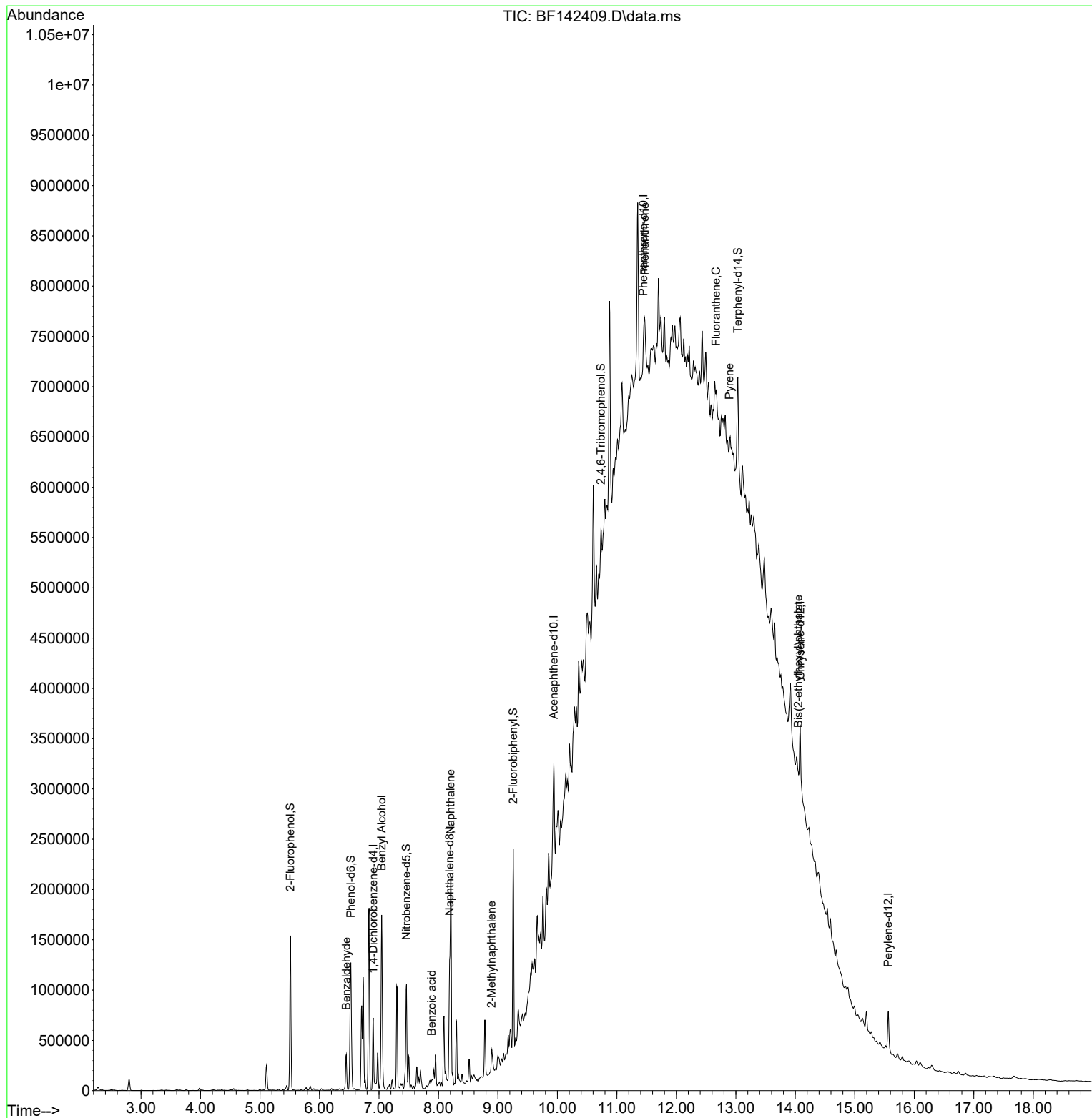
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	154410	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	690928	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	242534	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	244478	20.000	ng	# 0.01
76) Chrysene-d12	14.080	240	303055	20.000	ng	0.01
86) Perylene-d12	15.562	264	241133	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	581536	64.292	ng	0.00
7) Phenol-d6	6.528	99	728861	65.516	ng	0.00
23) Nitrobenzene-d5	7.463	82	428752	37.845	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	146700	62.649	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	862285	50.694	ng	0.00
79) Terphenyl-d14	13.033	244	596243	29.120	ng	0.02
Target Compounds						
						Qvalue
9) Benzaldehyde	6.451	77	89768	13.787	ng	97
15) Benzyl Alcohol	7.045	79	466695	64.784	ng	98
31) Naphthalene	8.204	128	233440	6.971	ng	100
32) Benzoic acid	7.886	122	23539	10.118	ng	97
37) 2-Methylnaphthalene	8.892	142	58948	2.833	ng	100
71) Phenanthrene	11.469	178	283775	22.144	ng	# 79
75) Fluoranthene	12.668	202	146880	11.466	ng	86
78) Pyrene	12.892	202	95324	3.534	ng	# 79
84) Bis(2-ethylhexyl)phtha...	14.051	149	47654	8.475	ng	# 84

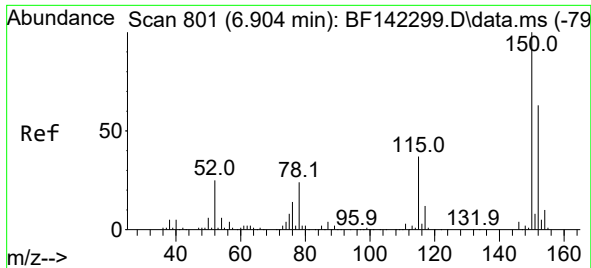
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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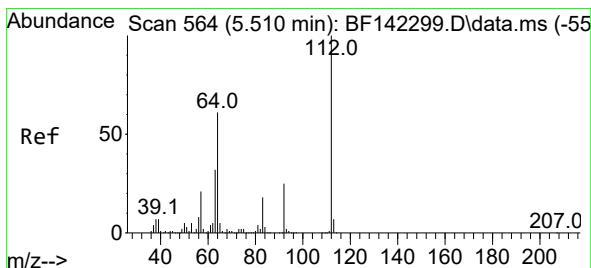
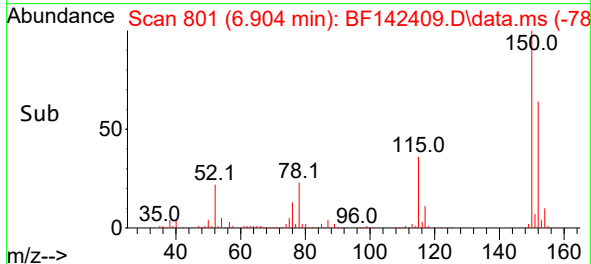
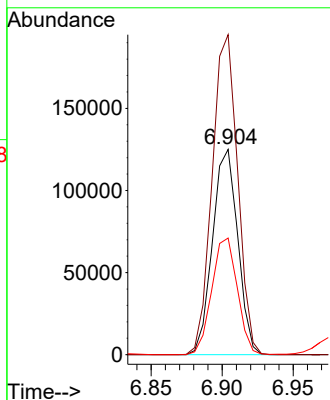
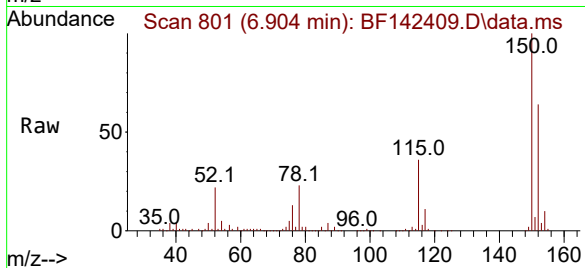




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142409.D
Acq: 15 May 2025 23:31

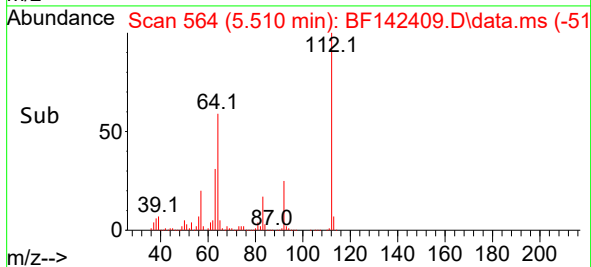
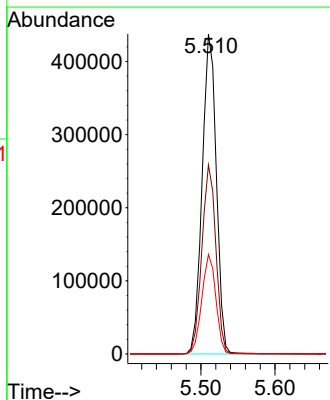
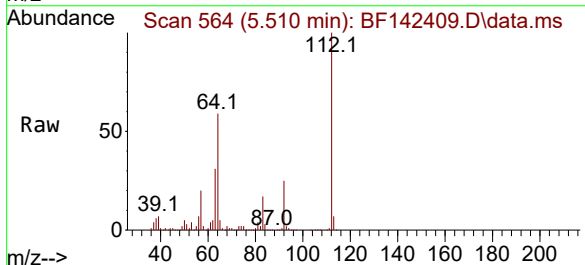
Instrument :
BNA_F
ClientSampleId :
MOO-25-0134

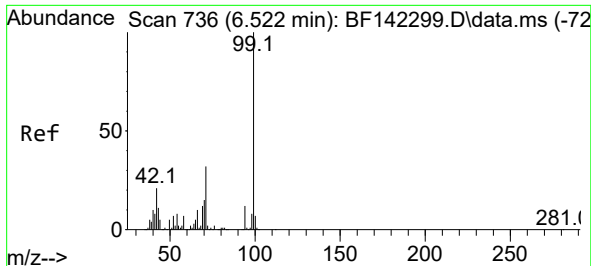
Tgt Ion:152 Resp: 154410
Ion Ratio Lower Upper
152 100
150 155.9 126.6 190.0
115 56.8 47.3 70.9



#5
2-Fluorophenol
Concen: 64.292 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF142409.D
Acq: 15 May 2025 23:31

Tgt Ion:112 Resp: 581536
Ion Ratio Lower Upper
112 100
64 59.0 48.9 73.3
63 31.1 25.6 38.4





#7

Phenol-d6

Concen: 65.516 ng

RT: 6.528 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF142409.D

Acq: 15 May 2025 23:31

Instrument :

BNA_F

ClientSampleId :

MOO-25-0134

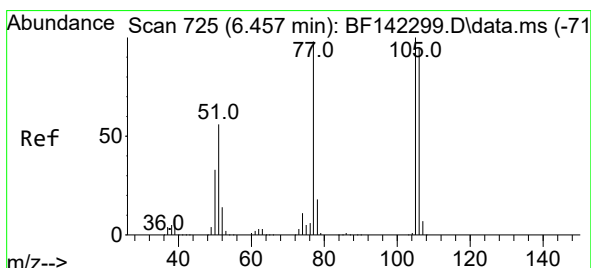
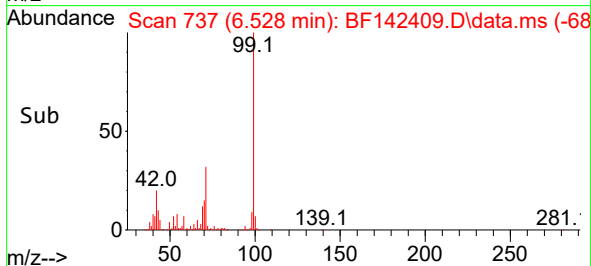
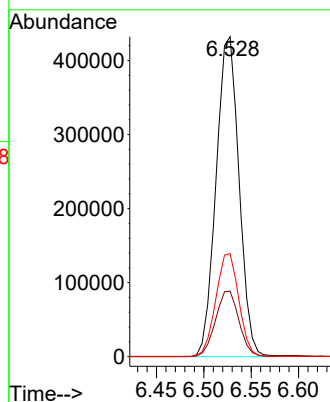
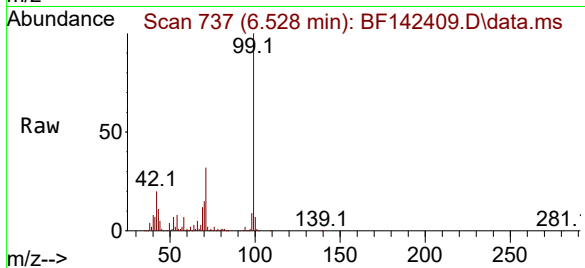
Tgt Ion: 99 Resp: 728861

Ion Ratio Lower Upper

99 100

42 20.5 17.0 25.4

71 32.2 25.8 38.8



#9

Benzaldehyde

Concen: 13.787 ng

RT: 6.451 min Scan# 724

Delta R.T. -0.006 min

Lab File: BF142409.D

Acq: 15 May 2025 23:31

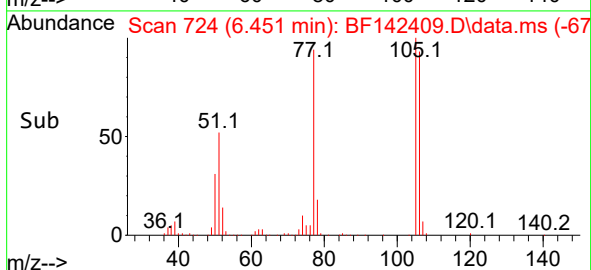
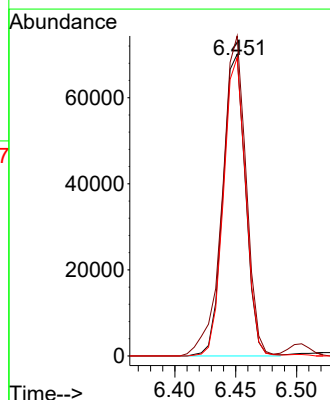
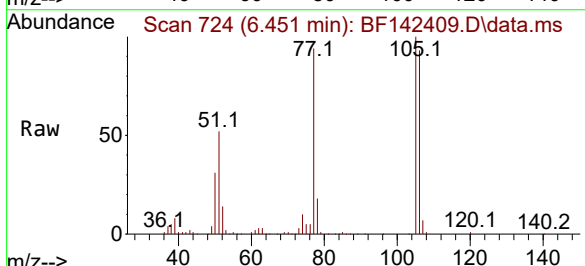
Tgt Ion: 77 Resp: 89768

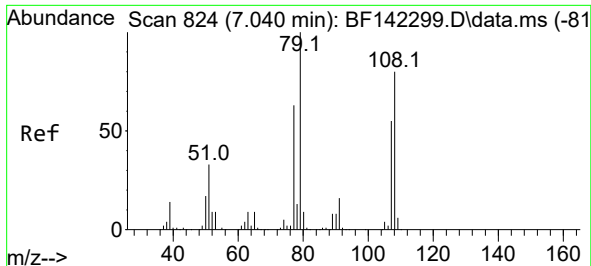
Ion Ratio Lower Upper

77 100

105 106.1 82.0 122.0

106 98.8 77.2 117.2

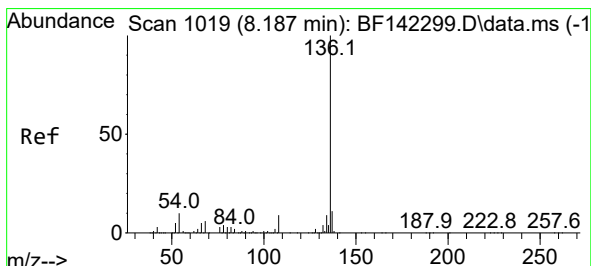
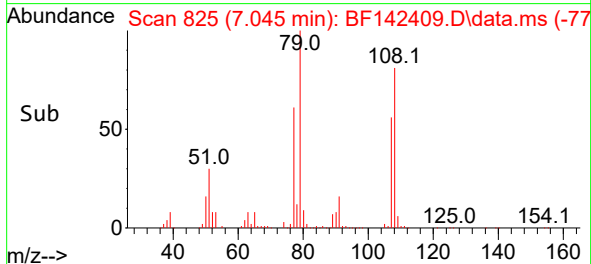
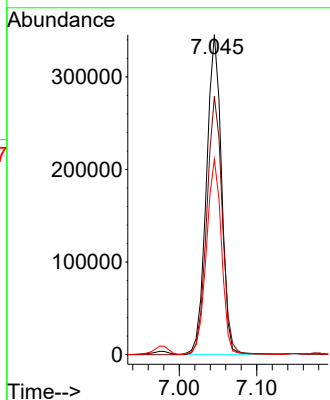
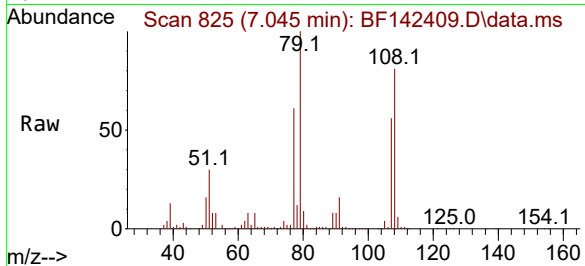




#15
Benzyl Alcohol
Concen: 64.784 ng
RT: 7.045 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF142409.D
Acq: 15 May 2025 23:31

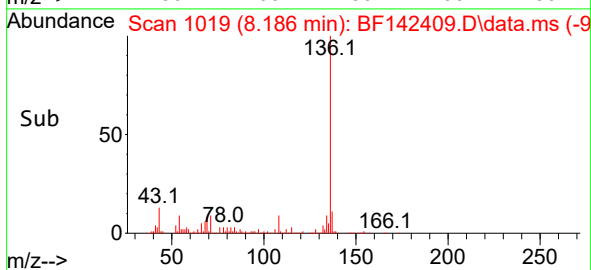
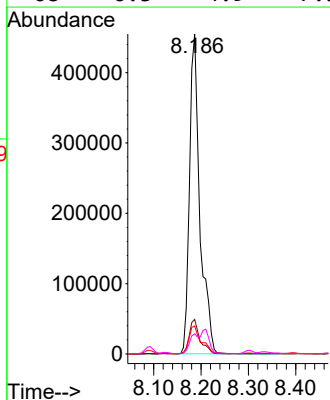
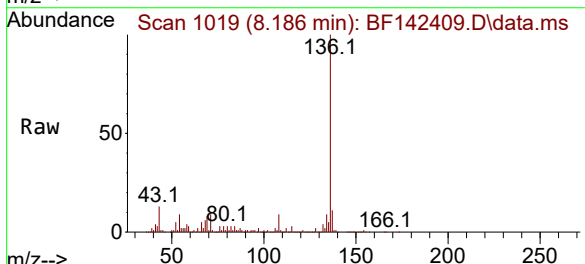
Instrument :
BNA_F
ClientSampleId :
MOO-25-0134

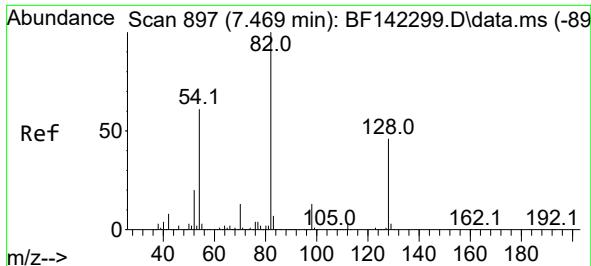
Tgt Ion: 79 Resp: 466695
Ion Ratio Lower Upper
79 100
108 80.7 63.9 95.9
77 61.1 50.7 76.1



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF142409.D
Acq: 15 May 2025 23:31

Tgt Ion: 136 Resp: 690928
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 8.8 7.7 11.5
68 6.3 4.9 7.3





#23

Nitrobenzene-d5

Concen: 37.845 ng

RT: 7.463 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF142409.D

Acq: 15 May 2025 23:31

Instrument :

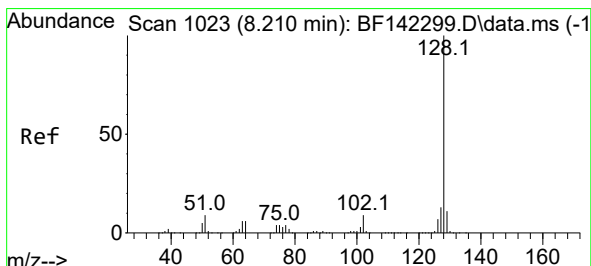
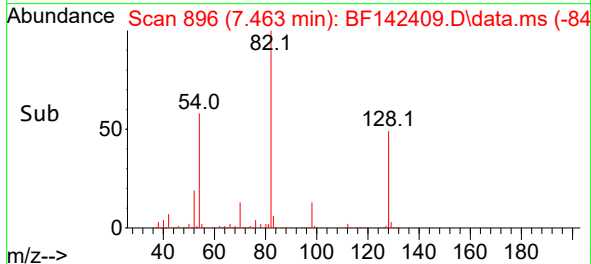
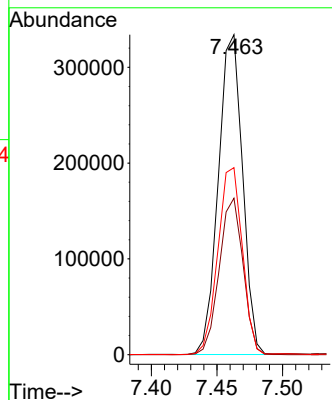
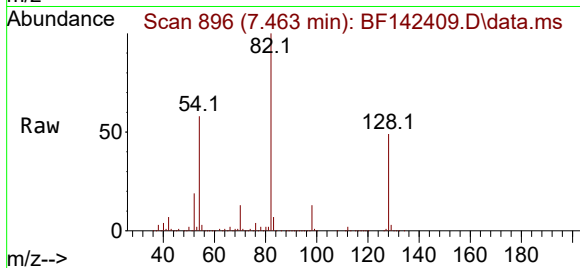
BNA_F

ClientSampleId :

MOO-25-0134

Tgt Ion: 82 Resp: 428752

Ion	Ratio	Lower	Upper
82	100		
128	48.9	37.0	55.6
54	58.4	48.6	73.0



#31

Naphthalene

Concen: 6.971 ng

RT: 8.204 min Scan# 1022

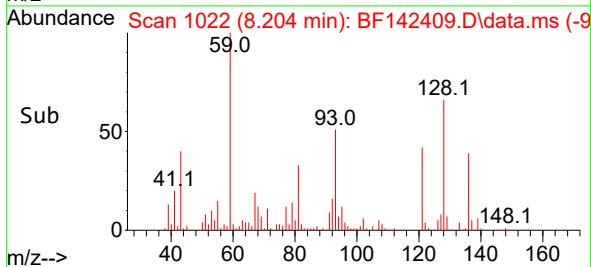
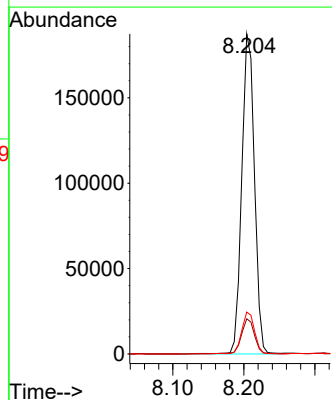
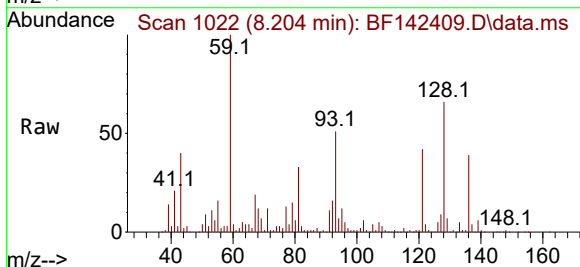
Delta R.T. -0.006 min

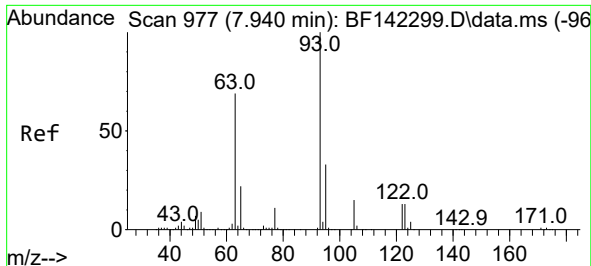
Lab File: BF142409.D

Acq: 15 May 2025 23:31

Tgt Ion: 128 Resp: 233440

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.1	13.7
127	13.1	10.5	15.7

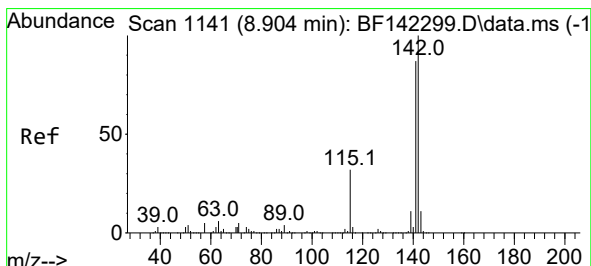
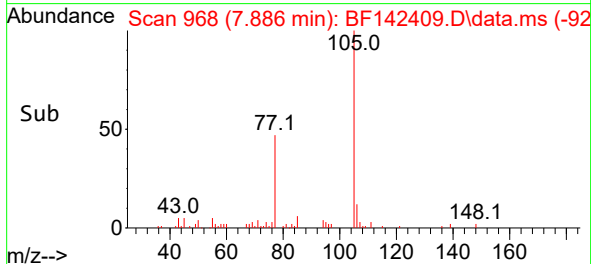
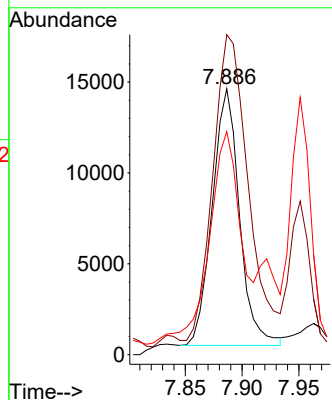
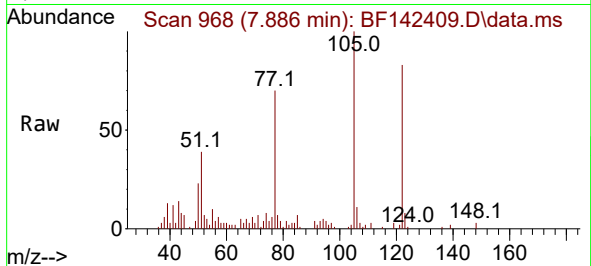




#32
Benzoic acid
Concen: 10.118 ng
RT: 7.886 min Scan# 91
Delta R.T. -0.054 min
Lab File: BF142409.D
Acq: 15 May 2025 23:31

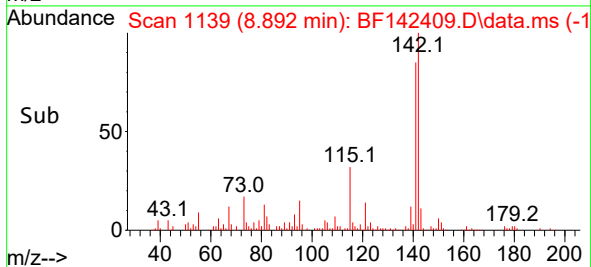
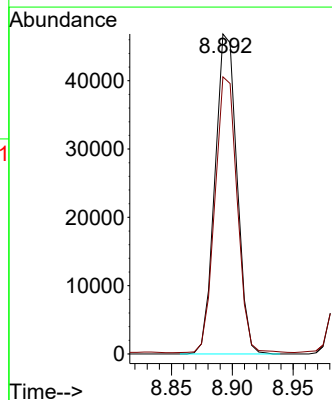
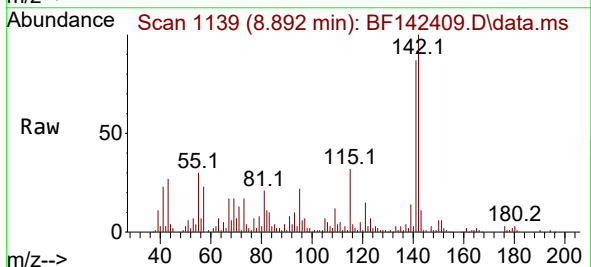
Instrument :
BNA_F
ClientSampleId :
MOO-25-0134

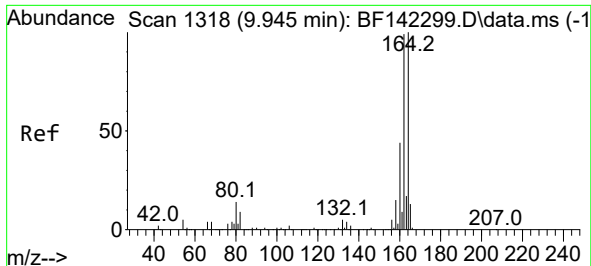
Tgt Ion:122 Resp: 23539
Ion Ratio Lower Upper
122 100
105 120.3 97.9 137.9
77 83.9 67.7 107.7



#37
2-Methylnaphthalene
Concen: 2.833 ng
RT: 8.892 min Scan# 1139
Delta R.T. -0.012 min
Lab File: BF142409.D
Acq: 15 May 2025 23:31

Tgt Ion:142 Resp: 58948
Ion Ratio Lower Upper
142 100
141 86.6 69.4 104.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.939 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142409.D

Acq: 15 May 2025 23:31

Instrument :

BNA_F

ClientSampleId :

MOO-25-0134

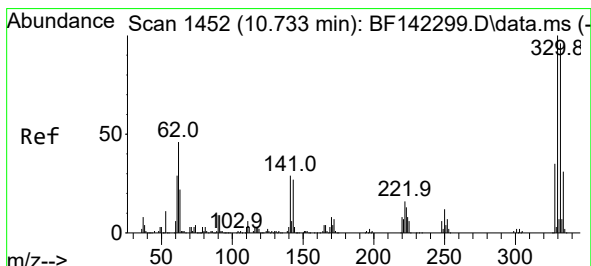
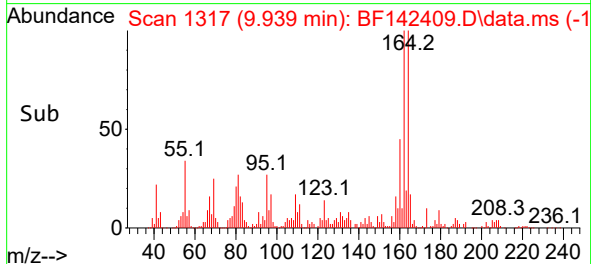
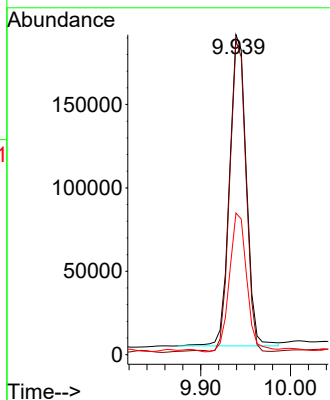
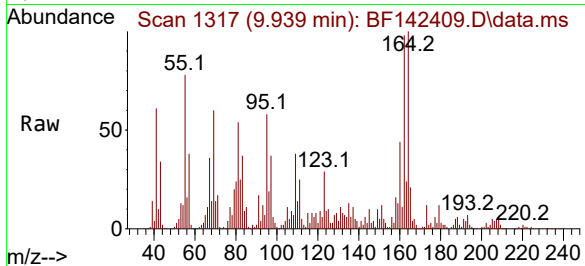
Tgt Ion:164 Resp: 242534

Ion Ratio Lower Upper

164 100

162 98.1 79.2 118.8

160 44.3 35.3 52.9



#42

2,4,6-Tribromophenol

Concen: 62.649 ng

RT: 10.733 min Scan# 1452

Delta R.T. -0.000 min

Lab File: BF142409.D

Acq: 15 May 2025 23:31

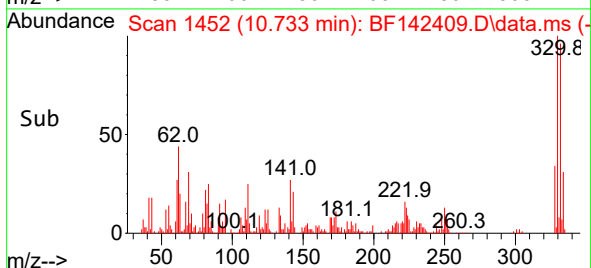
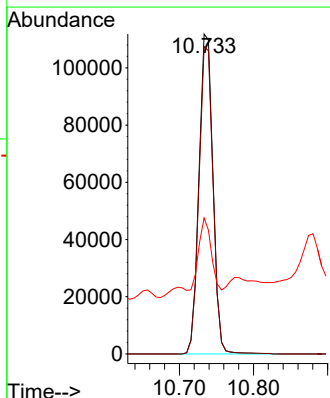
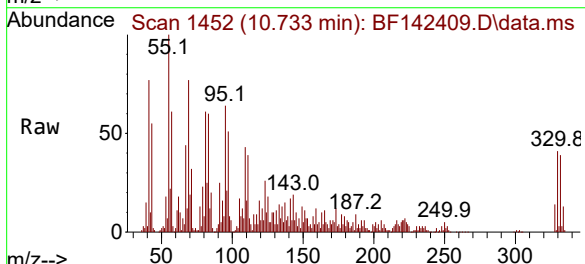
Tgt Ion:330 Resp: 146700

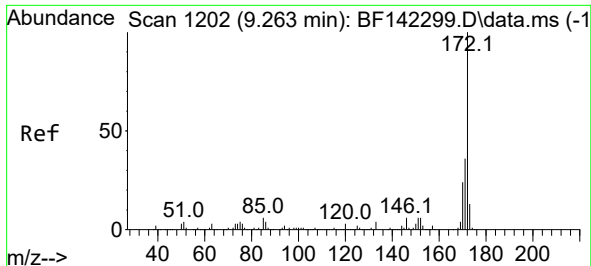
Ion Ratio Lower Upper

330 100

332 96.5 76.8 115.2

141 19.6 24.9 37.3#





#45

2-Fluorobiphenyl

Concen: 50.694 ng

RT: 9.257 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142409.D

Acq: 15 May 2025 23:31

Instrument :

BNA_F

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MOO-25-0134

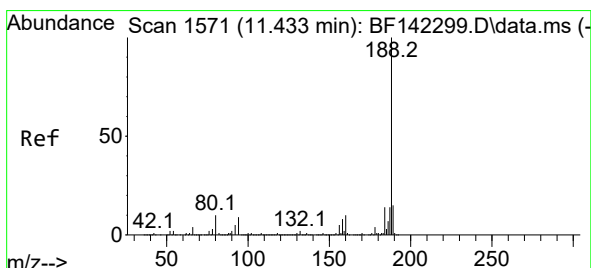
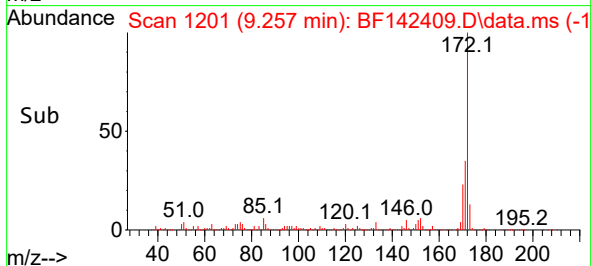
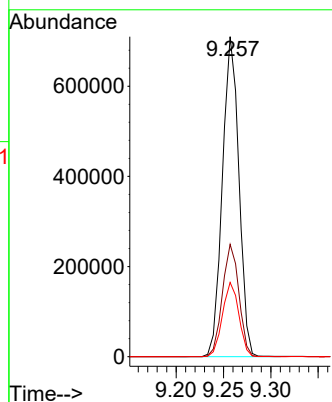
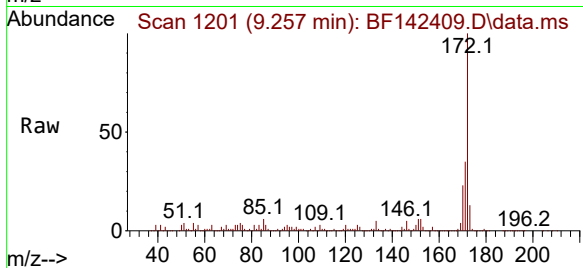
Tgt Ion:172 Resp: 862285

Ion Ratio Lower Upper

172 100

171 35.1 28.6 42.8

170 23.2 19.0 28.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.445 min Scan# 1573

Delta R.T. 0.012 min

Lab File: BF142409.D

Acq: 15 May 2025 23:31

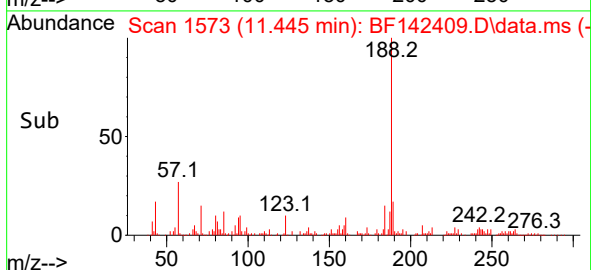
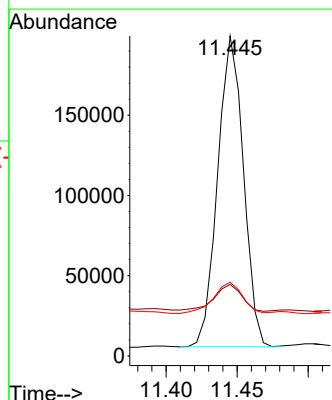
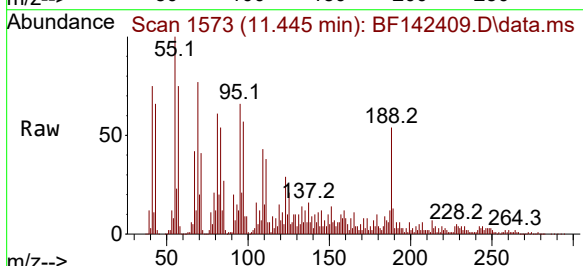
Tgt Ion:188 Resp: 244478

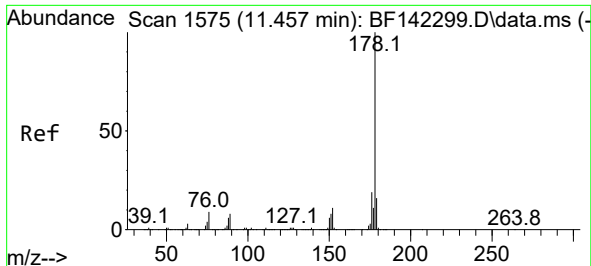
Ion Ratio Lower Upper

188 100

94 22.3 7.5 11.3#

80 23.1 7.9 11.9#

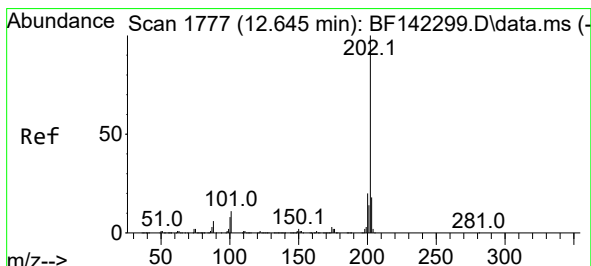
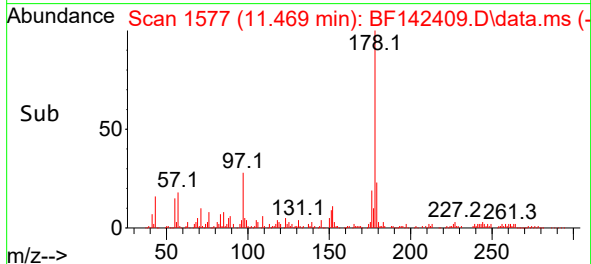
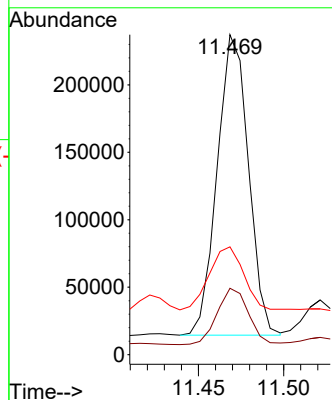
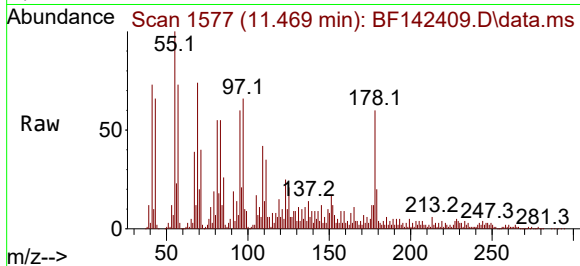




#71
Phenanthrene
Concen: 22.144 ng
RT: 11.469 min Scan# 1781
Delta R.T. 0.012 min
Lab File: BF142409.D
Acq: 15 May 2025 23:31

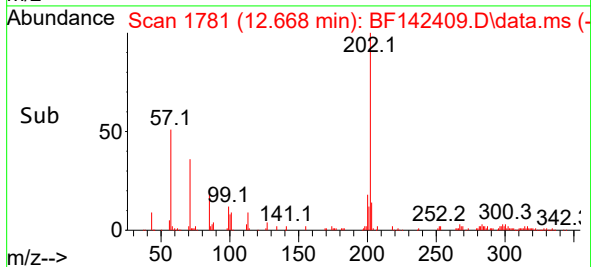
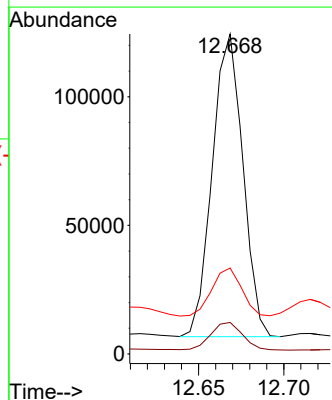
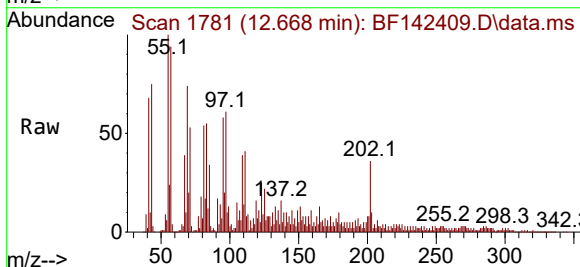
Instrument :
BNA_F
ClientSampleId :
MOO-25-0134

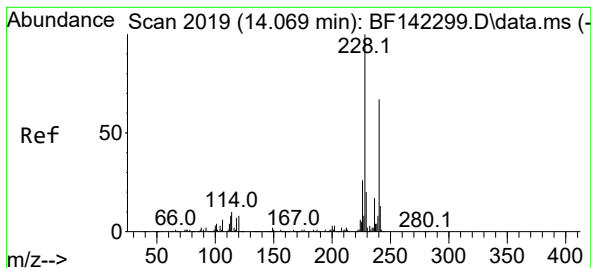
Tgt Ion:178 Resp: 283775
Ion Ratio Lower Upper
178 100
176 20.8 15.5 23.3
179 33.7 12.6 18.8#



#75
Fluoranthene
Concen: 11.466 ng
RT: 12.668 min Scan# 1781
Delta R.T. 0.023 min
Lab File: BF142409.D
Acq: 15 May 2025 23:31

Tgt Ion:202 Resp: 146880
Ion Ratio Lower Upper
202 100
101 9.8 0.0 31.4
203 26.8 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.080 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF142409.D

Acq: 15 May 2025 23:31

Instrument :

BNA_F

ClientSampleId :

MOO-25-0134

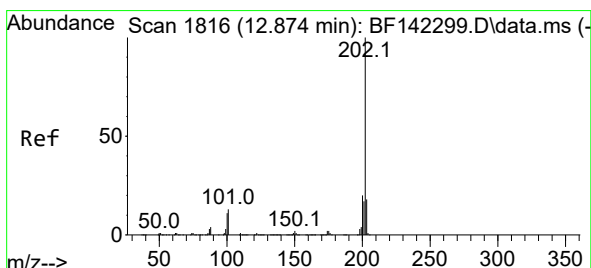
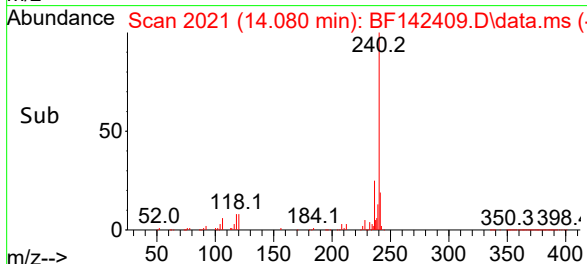
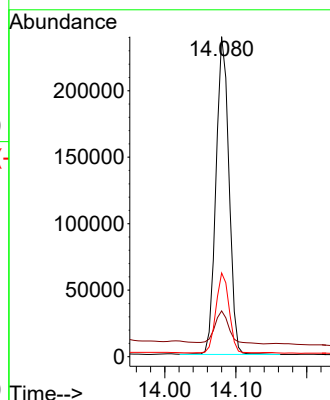
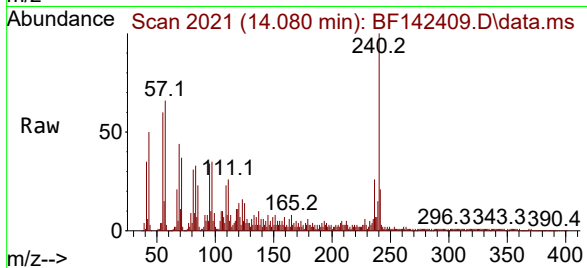
Tgt Ion:240 Resp: 303055

Ion Ratio Lower Upper

240 100

120 14.3 9.7 14.5

236 26.2 20.0 30.0



#78

Pyrene

Concen: 3.534 ng

RT: 12.892 min Scan# 1819

Delta R.T. 0.017 min

Lab File: BF142409.D

Acq: 15 May 2025 23:31

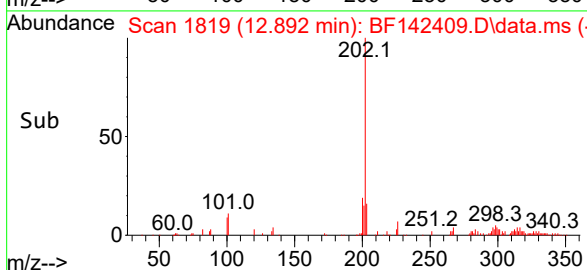
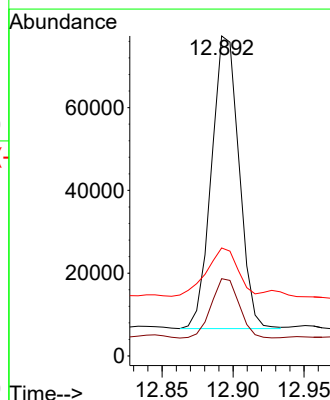
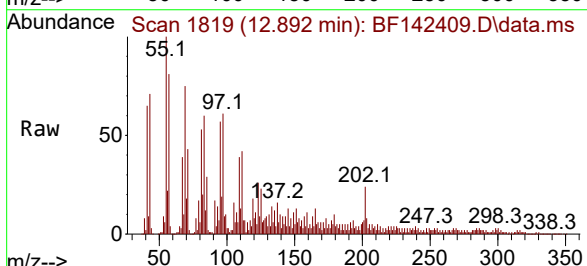
Tgt Ion:202 Resp: 95324

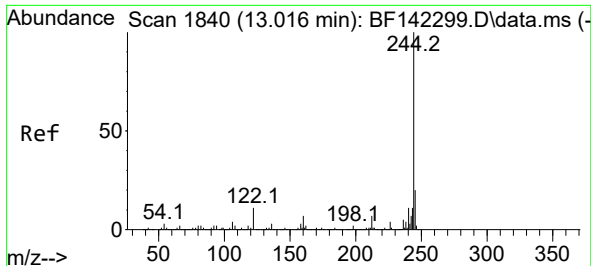
Ion Ratio Lower Upper

202 100

200 24.1 16.2 24.4

203 33.7 14.3 21.5#

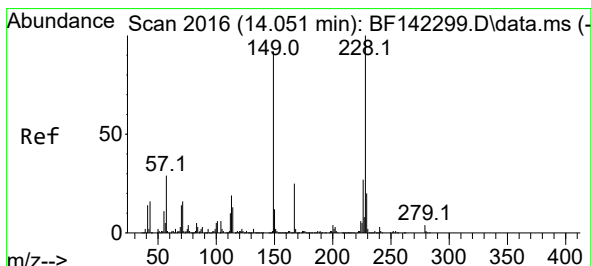
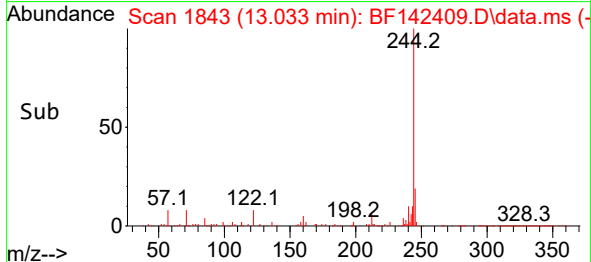
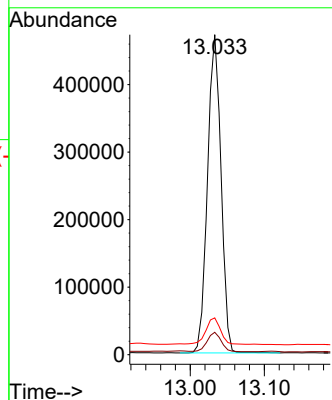
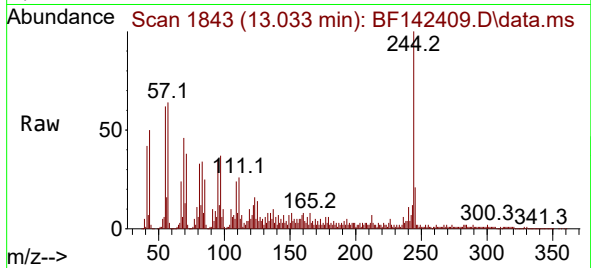




#79
 Terphenyl-d14
 Concen: 29.120 ng
 RT: 13.033 min Scan# 1840
 Delta R.T. 0.017 min
 Lab File: BF142409.D
 Acq: 15 May 2025 23:31

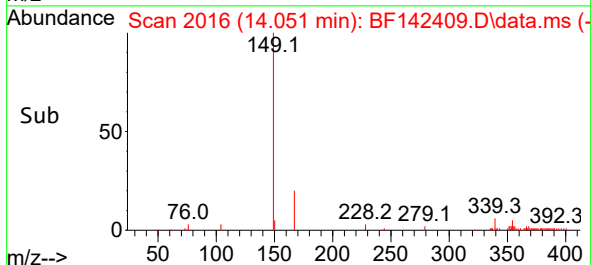
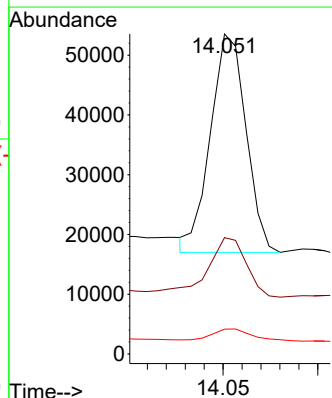
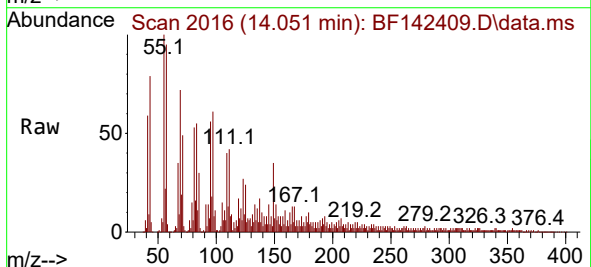
Instrument :
 BNA_F
 ClientSampleId :
 MOO-25-0134

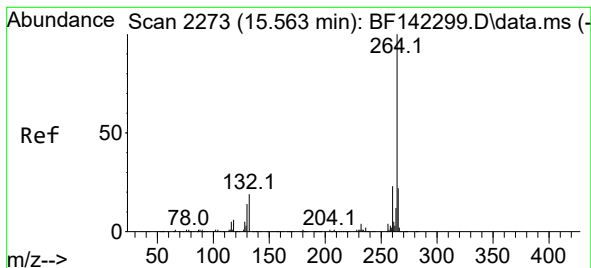
Tgt Ion:244 Resp: 596243
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.2
 122 11.5 9.0 13.4



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 8.475 ng
 RT: 14.051 min Scan# 2016
 Delta R.T. -0.000 min
 Lab File: BF142409.D
 Acq: 15 May 2025 23:31

Tgt Ion:149 Resp: 47654
 Ion Ratio Lower Upper
 149 100
 167 36.3 22.0 33.0#
 279 7.8 3.0 4.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF142409.D

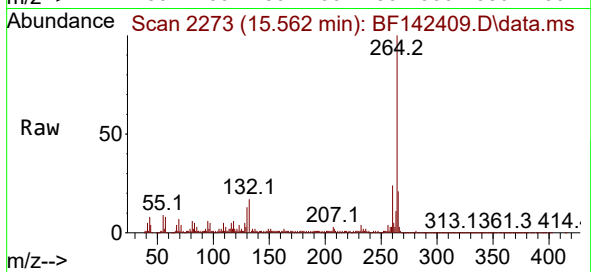
Acq: 15 May 2025 23:31

Instrument :

BNA_F

ClientSampleId :

MOO-25-0134



Tgt Ion:264 Resp: 241133

Ion Ratio Lower Upper

264 100

260 23.6 18.6 27.8

265 21.4 17.5 26.3

