

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN112624\
 Data File : BN035329.D
 Acq On : 26 Nov 2024 23:42
 Operator : RC/JU
 Sample : P4996-02MS
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BHF70MS

Quant Time: Nov 27 00:16:43 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN112624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 06:09:15 2024
 Response via : Initial Calibration

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

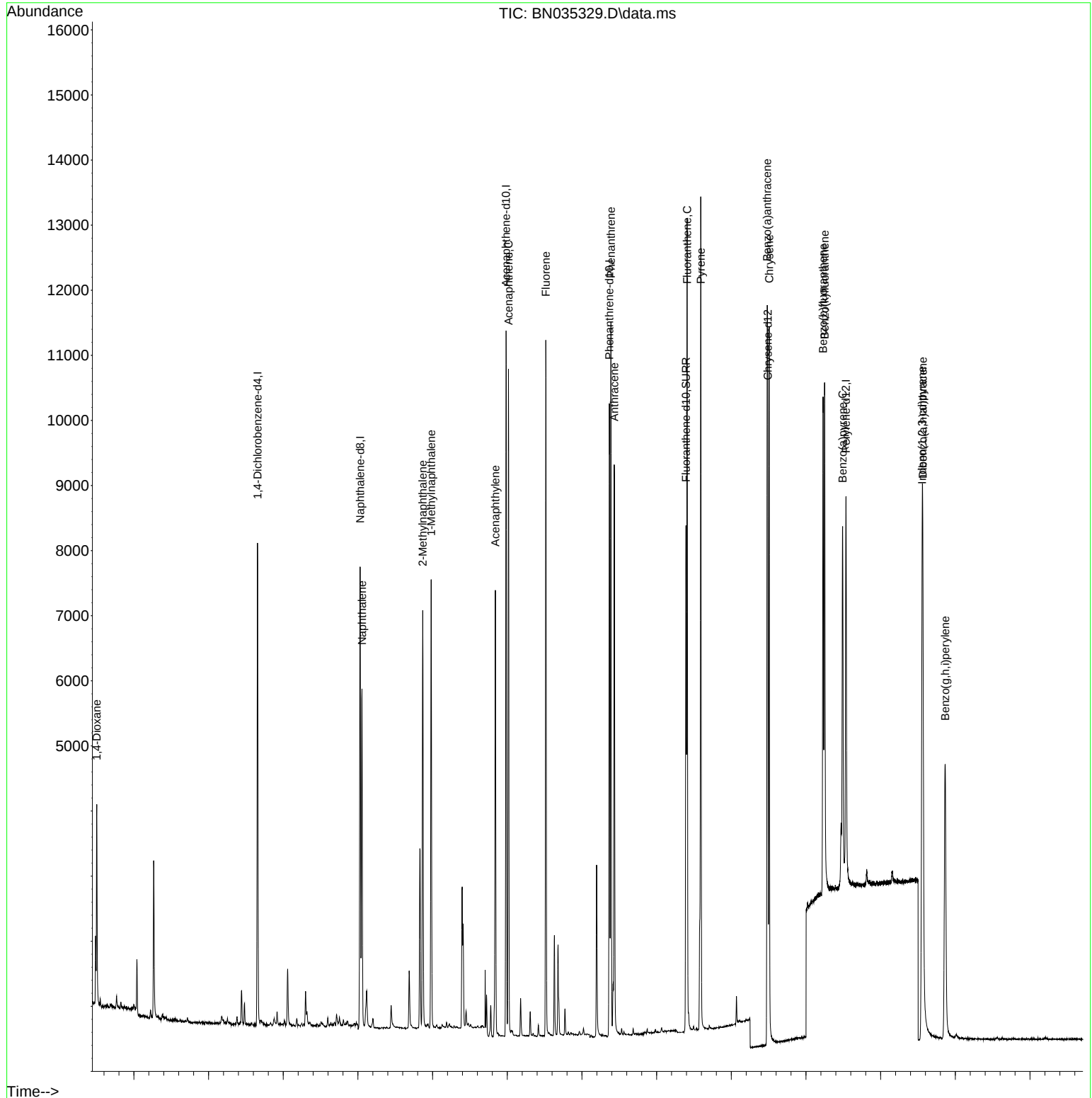
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.310	152	3624	0.400	ng/ul	0.00
4) Naphthalene-d8	10.059	136	9646	0.400	ng/ul	0.00
9) Acenaphthene-d10	13.967	164	5838	0.400	ng/ul	0.00
13) Phenanthrene-d10	16.734	188	11249	0.400	ng/ul	# 0.00
17) Chrysene-d12	20.976	240	6703	0.400	ng/ul	# 0.00
23) Perylene-d12	23.071	264	7287	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	2.976	96	683	0.206	ng/ul	0.00
6) 2-Methylnaphthalene-d10	11.659	152	3774	0.267	ng/ul	0.00
18) Fluoranthene-d10	18.786	212	8718	0.471	ng/ul	0.00
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.006	88	2274	0.632	ng/ul	92
5) Naphthalene	10.108	128	6830	0.281	ng/ul	100
7) 2-Methylnaphthalene	11.736	142	4508	0.267	ng/ul	98
8) 1-Methylnaphthalene	11.961	142	4682	0.275	ng/ul	98
10) Acenaphthylene	13.681	152	7427	0.321	ng/ul	99
11) Acenaphthene	14.032	153	5574	0.315	ng/ul	99
12) Fluorene	15.031	166	6513	0.313	ng/ul	98
14) Pentachlorophenol	16.392	266	1830	0.698	ng/ul	99
15) Phenanthrene	16.776	178	10759	0.362	ng/ul	99
16) Anthracene	16.865	178	9218	0.334	ng/ul	100
19) Fluoranthene	18.814	202	10943	0.469	ng/ul#	93
20) Pyrene	19.181	202	10888	0.448	ng/ul#	90
21) Benzo(a)anthracene	20.961	228	8552	0.368	ng/ul	99
22) Chrysene	21.014	228	9339	0.399	ng/ul	99
24) Benzo(b)fluoranthene	22.457	252	9044	0.375	ng/ul	96
25) Benzo(k)fluoranthene	22.498	252	9972	0.402	ng/ul#	96
26) Benzo(a)pyrene	22.981	252	8195	0.372	ng/ul#	95
27) Indeno(1,2,3-cd)pyrene	25.111	276	11384	0.383	ng/ul#	86
28) Dibenzo(a,h)anthracene	25.128	278	8641	0.371	ng/ul#	94
29) Benzo(g,h,i)perylene	25.728	276	8998	0.384	ng/ul#	94

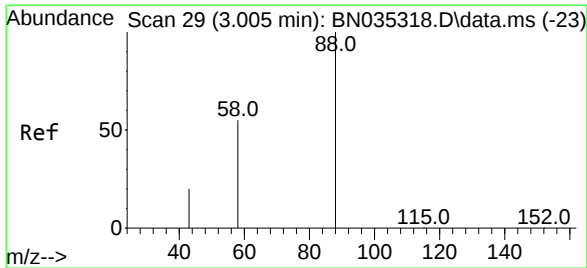
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

1,4-Dioxane

Concen: 0.632 ng/u1

RT: 3.006 min Scan# 29

Delta R.T. 0.000 min

Lab File: BN035329.D

Acq: 26 Nov 2024 23:42

Instrument :

BNA_N

ClientSampleId :

BHF70MS

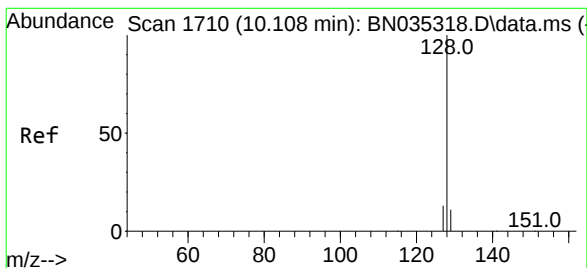
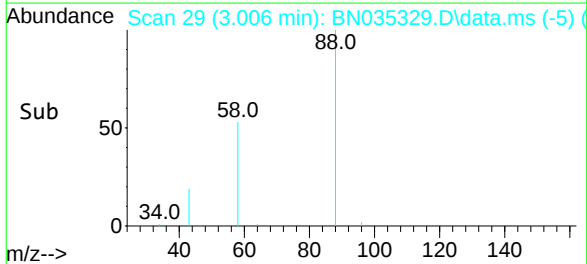
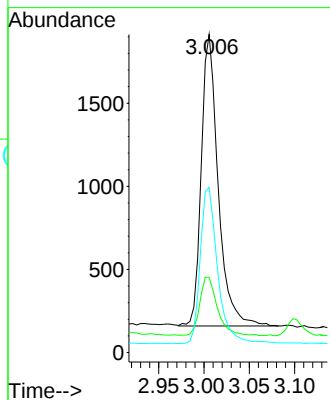
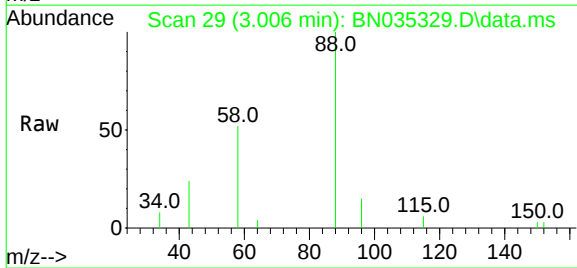
Tgt Ion: 88 Resp: 2274

Ion Ratio Lower Upper

88 100

43 23.7 20.6 31.0

58 51.9 36.2 54.4



#5

Naphthalene

Concen: 0.281 ng/u1

RT: 10.108 min Scan# 1710

Delta R.T. 0.000 min

Lab File: BN035329.D

Acq: 26 Nov 2024 23:42

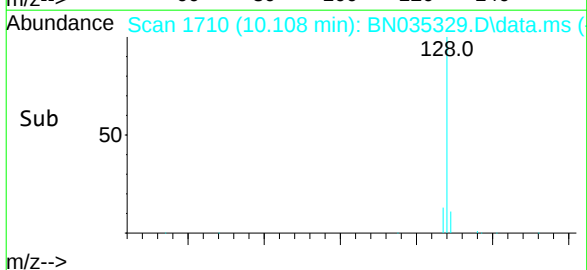
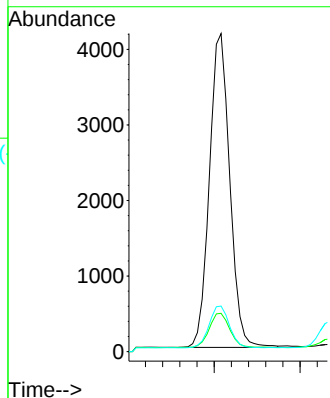
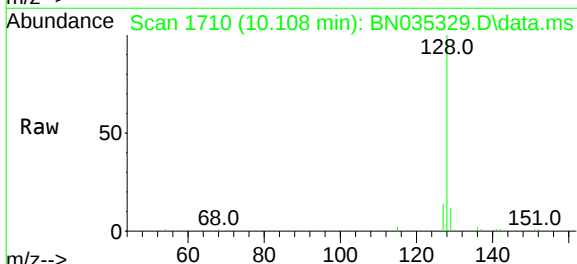
Tgt Ion: 128 Resp: 6830

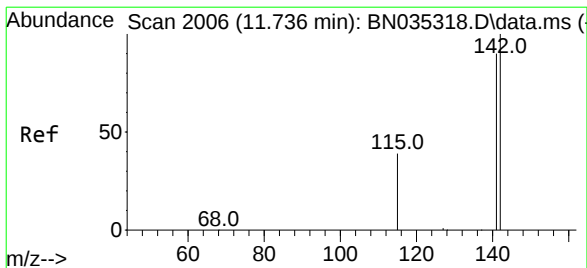
Ion Ratio Lower Upper

128 100

129 12.0 9.9 14.9

127 14.3 11.4 17.2





#7

2-Methylnaphthalene

Concen: 0.267 ng/ul

RT: 11.736 min Scan# 2006

Delta R.T. -0.005 min

Lab File: BN035329.D

Acq: 26 Nov 2024 23:42

Instrument :

BNA_N

ClientSampleId :

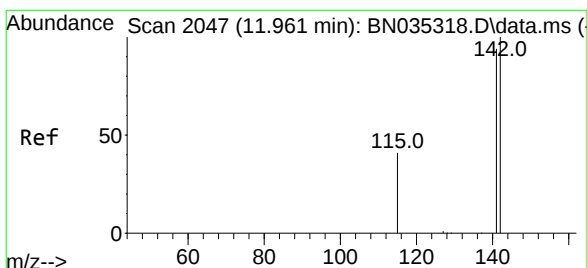
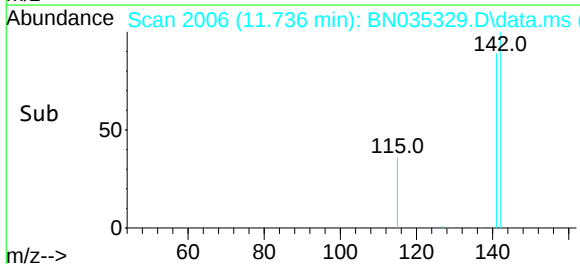
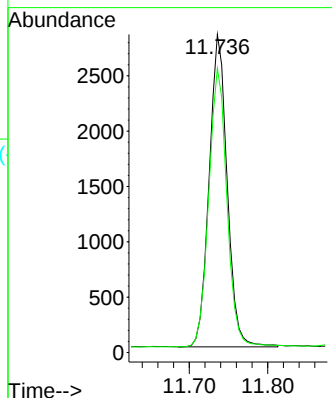
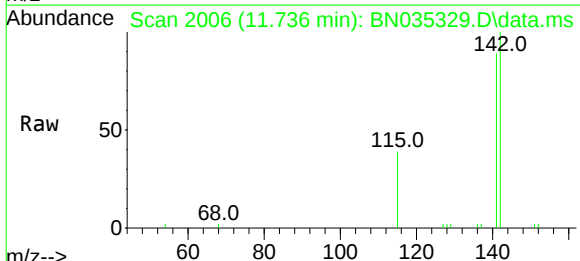
BHF70MS

Tgt Ion:142 Resp: 4508

Ion Ratio Lower Upper

142 100

141 89.8 70.4 105.6



#8

1-Methylnaphthalene

Concen: 0.275 ng/ul

RT: 11.961 min Scan# 2047

Delta R.T. -0.005 min

Lab File: BN035329.D

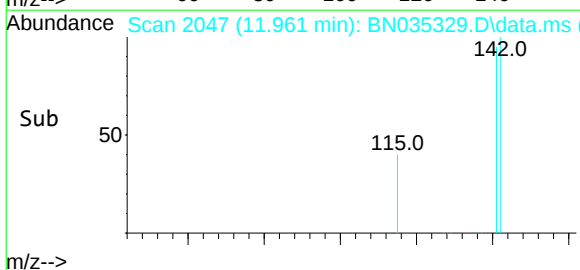
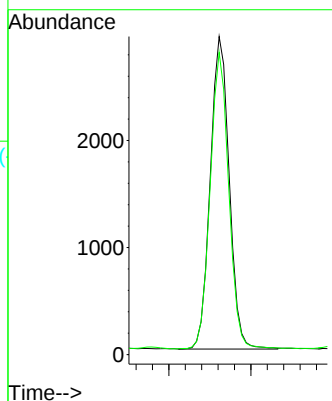
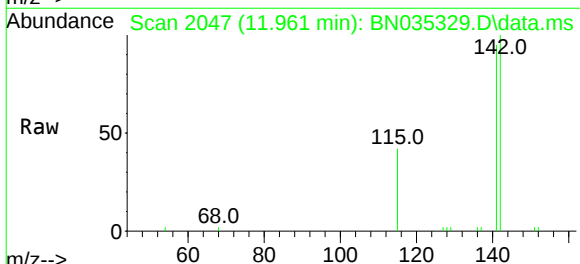
Acq: 26 Nov 2024 23:42

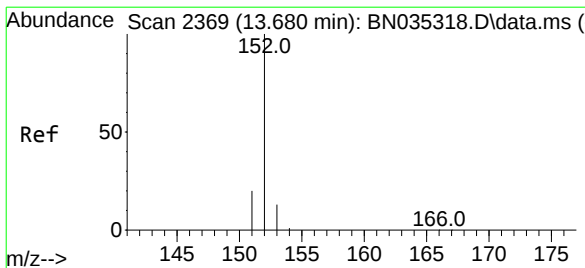
Tgt Ion:142 Resp: 4682

Ion Ratio Lower Upper

142 100

141 93.0 73.1 109.7





#10

Acenaphthylene

Concen: 0.321 ng/ul

RT: 13.681 min Scan# 2369

Delta R.T. -0.005 min

Lab File: BN035329.D

Acq: 26 Nov 2024 23:42

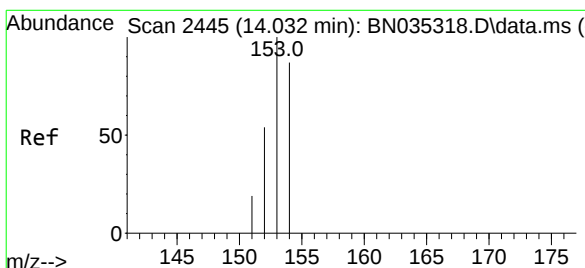
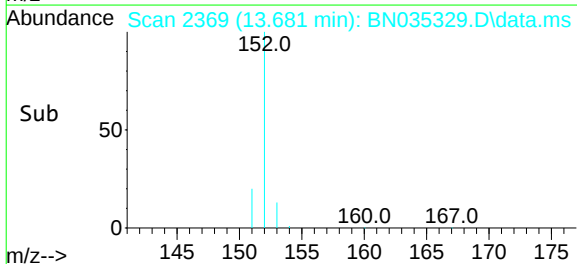
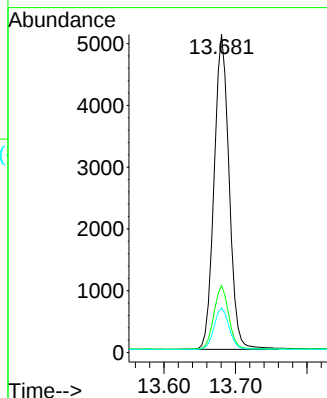
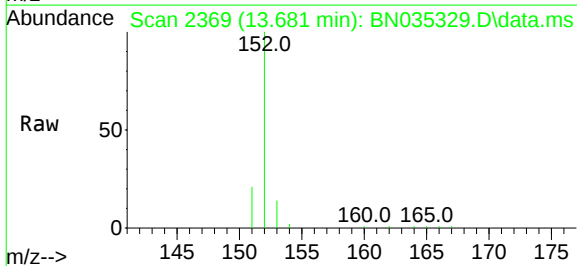
Instrument :

BNA_N

ClientSampleId :

BHF70MS

Tgt Ion:	152	Resp:	7427
Ion Ratio	Lower	Upper	
152	100		
151	21.1	16.4	24.6
153	14.0	11.1	16.7



#11

Acenaphthene

Concen: 0.315 ng/ul

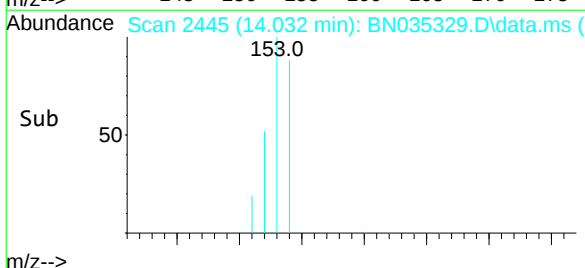
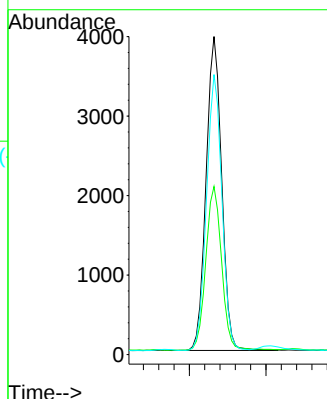
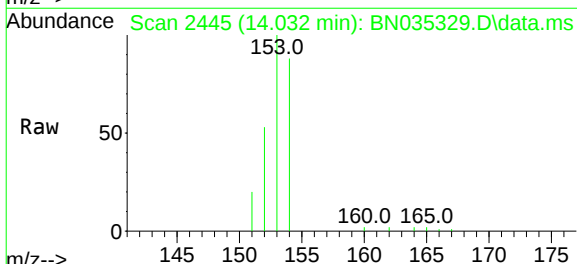
RT: 14.032 min Scan# 2445

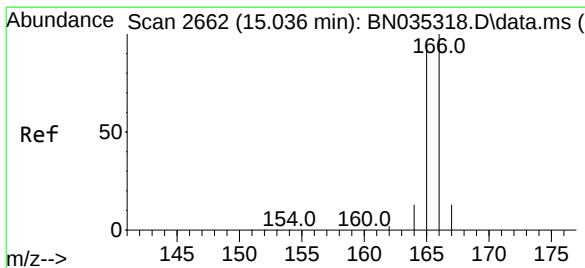
Delta R.T. -0.005 min

Lab File: BN035329.D

Acq: 26 Nov 2024 23:42

Tgt Ion:	153	Resp:	5574
Ion Ratio	Lower	Upper	
153	100		
152	52.9	41.4	62.0
154	88.1	71.2	106.8





#12

Fluorene

Concen: 0.313 ng/ul

RT: 15.031 min Scan# 2661

Delta R.T. -0.005 min

Lab File: BN035329.D

Acq: 26 Nov 2024 23:42

Instrument :

BNA_N

ClientSampleId :

BHF70MS

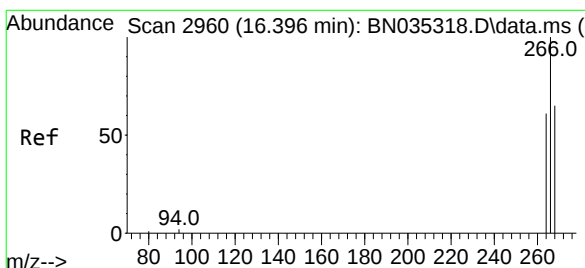
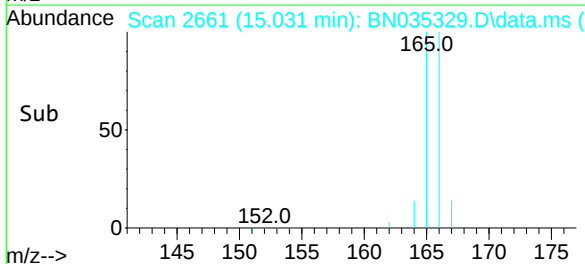
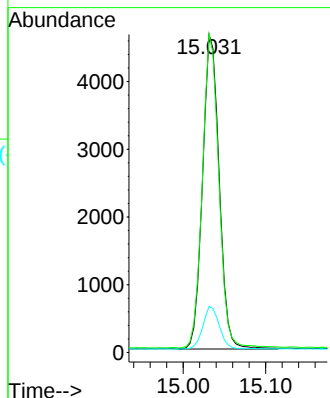
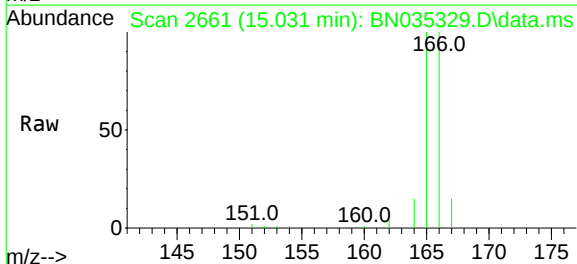
Tgt Ion:166 Resp: 6513

Ion Ratio Lower Upper

166 100

165 100.0 78.6 118.0

167 14.5 11.8 17.6



#14

Pentachlorophenol

Concen: 0.698 ng/ul

RT: 16.392 min Scan# 2959

Delta R.T. -0.008 min

Lab File: BN035329.D

Acq: 26 Nov 2024 23:42

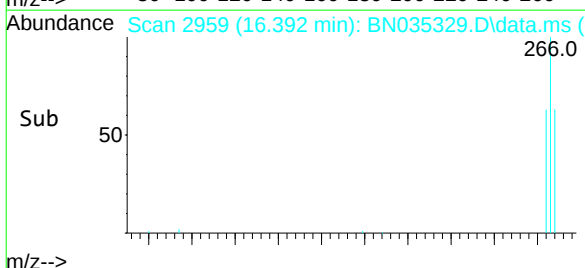
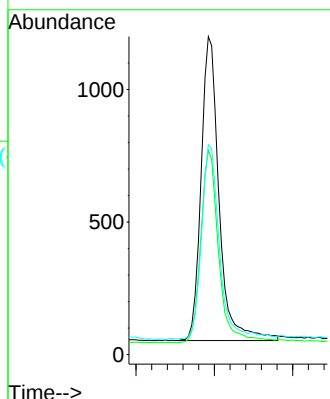
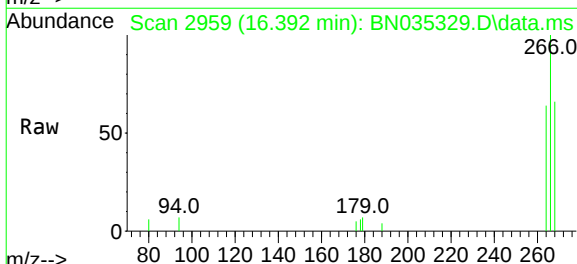
Tgt Ion:266 Resp: 1830

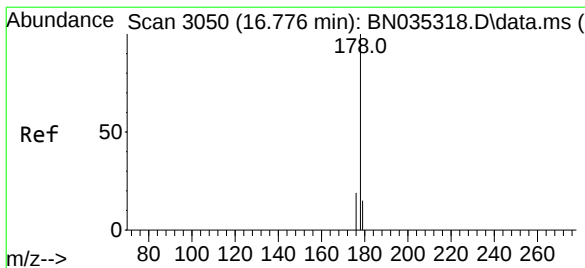
Ion Ratio Lower Upper

266 100

264 62.8 51.8 77.6

268 64.0 51.3 76.9





#15

Phenanthrene

Concen: 0.362 ng/u1

RT: 16.776 min Scan# 3050

Delta R.T. -0.004 min

Lab File: BN035329.D

Acq: 26 Nov 2024 23:42

Instrument :

BNA_N

ClientSampleId :

BHF70MS

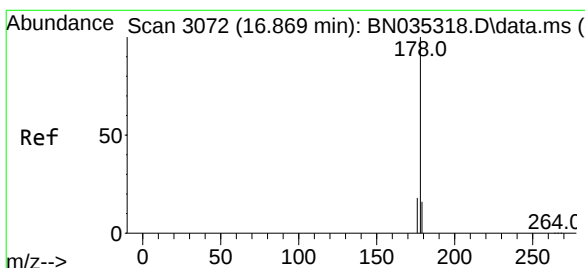
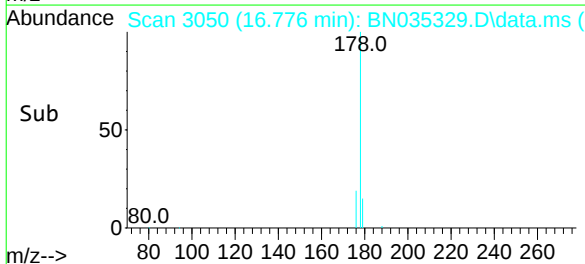
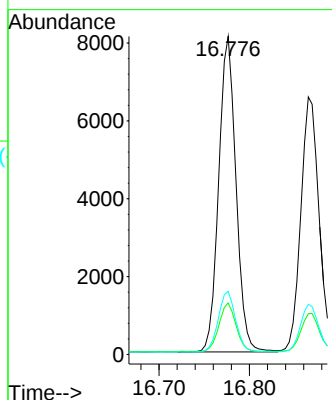
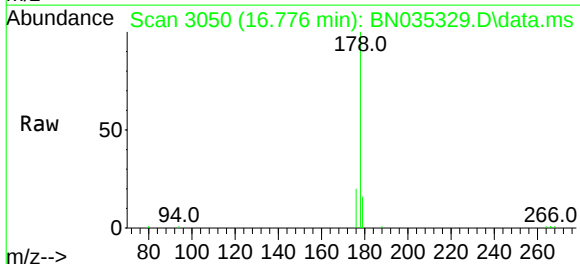
Tgt Ion:178 Resp: 10759

Ion Ratio Lower Upper

178 100

179 16.2 12.9 19.3

176 19.9 15.6 23.4



#16

Anthracene

Concen: 0.334 ng/u1

RT: 16.865 min Scan# 3071

Delta R.T. -0.008 min

Lab File: BN035329.D

Acq: 26 Nov 2024 23:42

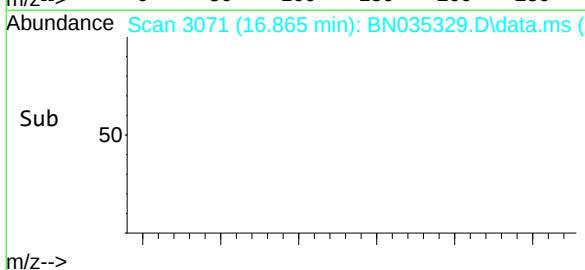
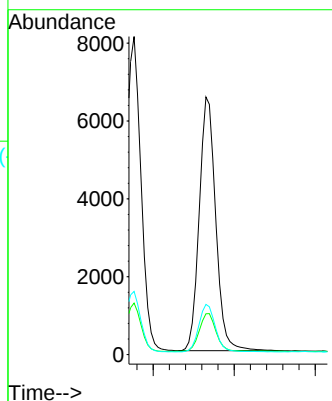
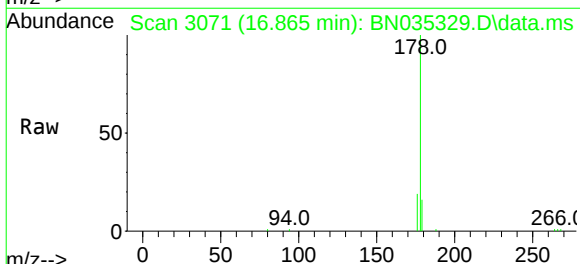
Tgt Ion:178 Resp: 9218

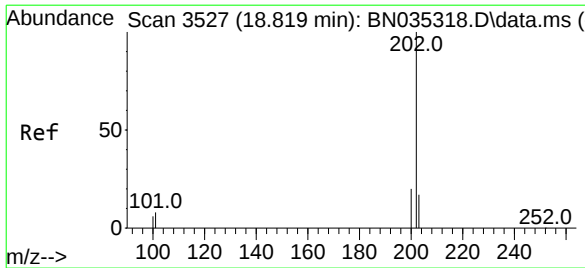
Ion Ratio Lower Upper

178 100

179 15.9 12.9 19.3

176 19.5 15.4 23.2





#19

Fluoranthene

Concen: 0.469 ng/u1

RT: 18.814 min Scan# 35

Delta R.T. -0.005 min

Lab File: BN035329.D

Acq: 26 Nov 2024 23:42

Instrument :

BNA_N

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BHF70MS

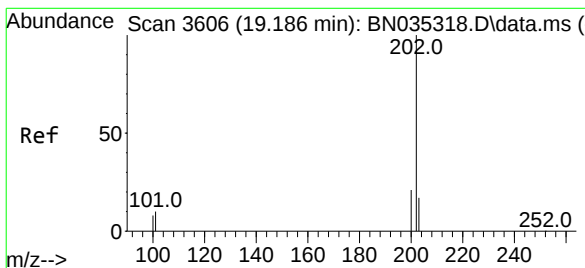
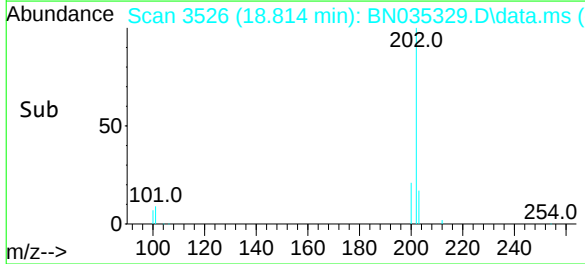
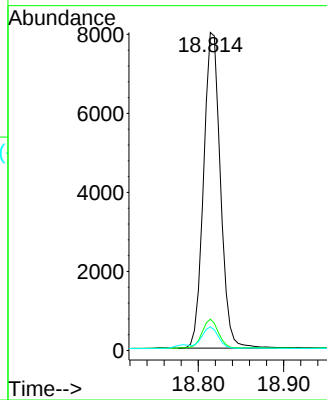
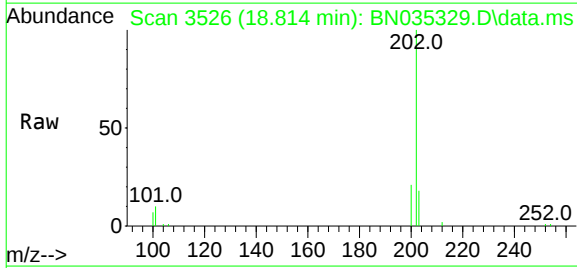
Tgt Ion:202 Resp: 10943

Ion Ratio Lower Upper

202 100

101 9.9 5.8 8.6#

100 7.4 4.5 6.7#



#20

Pyrene

Concen: 0.448 ng/u1

RT: 19.181 min Scan# 3605

Delta R.T. -0.005 min

Lab File: BN035329.D

Acq: 26 Nov 2024 23:42

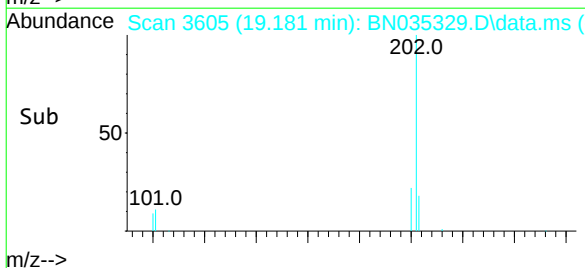
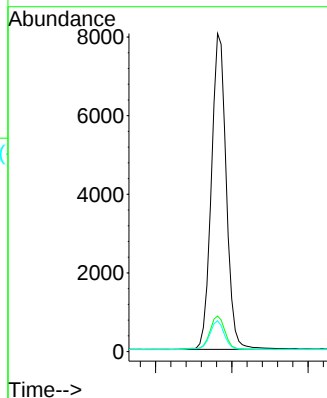
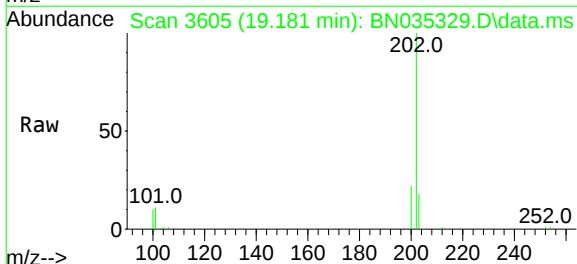
Tgt Ion:202 Resp: 10888

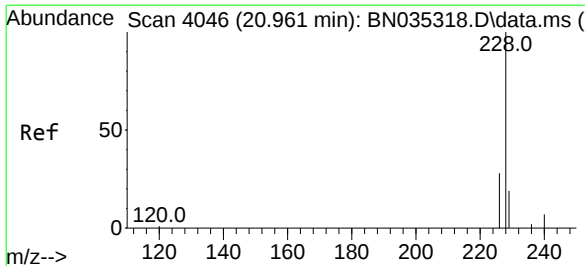
Ion Ratio Lower Upper

202 100

101 11.2 6.2 9.4#

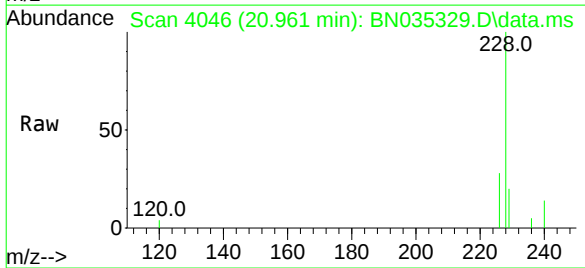
100 9.7 5.1 7.7#



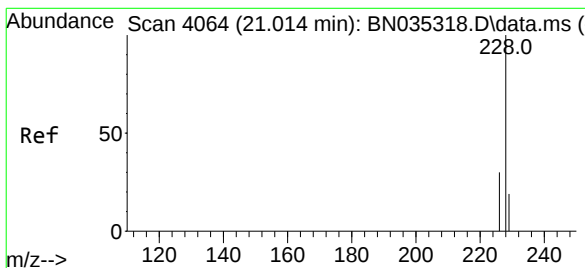
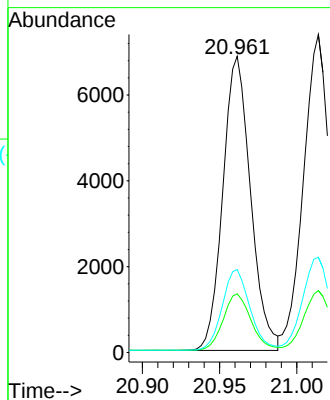


#21
Benzo(a)anthracene
Concen: 0.368 ng/u1
RT: 20.961 min Scan# 4046
Delta R.T. -0.003 min
Lab File: BN035329.D
Acq: 26 Nov 2024 23:42

Instrument :
BNA_N
ClientSampleId :
BHF70MS

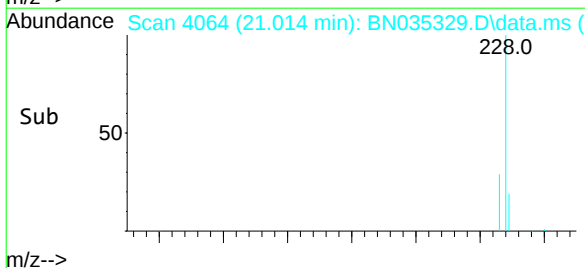
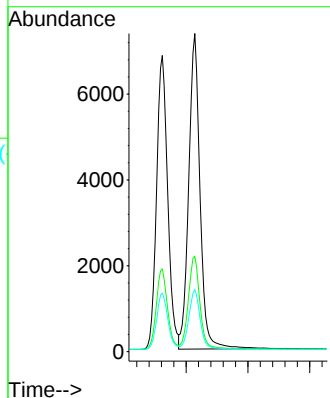
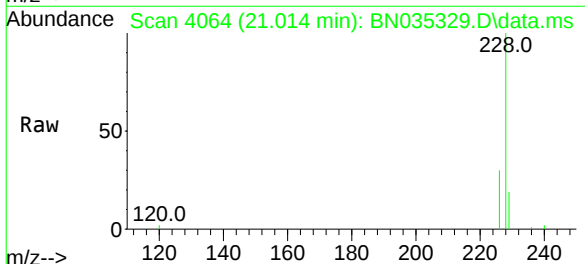


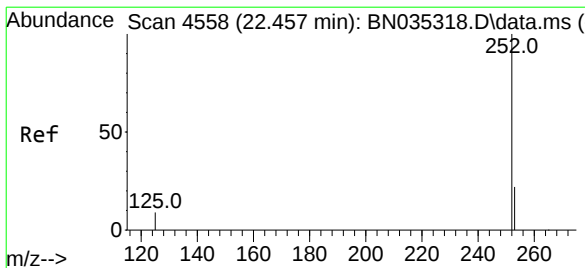
Tgt Ion:	228	Resp:	8552
Ion	Ratio	Lower	Upper
228	100		
229	19.8	15.8	23.8
226	28.0	21.8	32.8



#22
Chrysene
Concen: 0.399 ng/u1
RT: 21.014 min Scan# 4064
Delta R.T. -0.003 min
Lab File: BN035329.D
Acq: 26 Nov 2024 23:42

Tgt Ion:	228	Resp:	9339
Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.7	37.1
229	19.5	16.0	24.0





#24

Benzo(b)fluoranthene

Concen: 0.375 ng/u1

RT: 22.457 min Scan# 4558

Delta R.T. -0.006 min

Lab File: BN035329.D

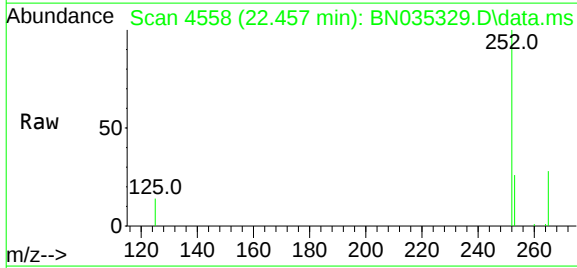
Acq: 26 Nov 2024 23:42

Instrument :

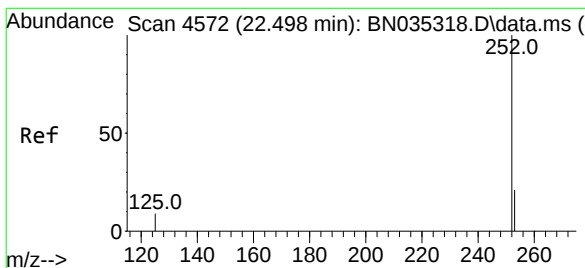
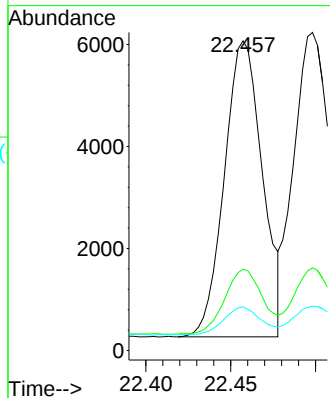
BNA_N

ClientSampleId :

BHF70MS



Tgt Ion:	252	Resp:	9044
Ion	Ratio	Lower	Upper
252	100		
253	26.3	0.0	54.0
125	14.1	0.0	19.4



#25

Benzo(k)fluoranthene

Concen: 0.402 ng/u1

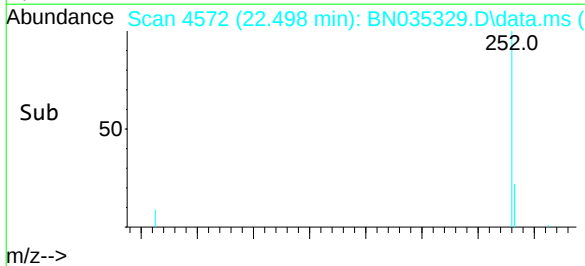
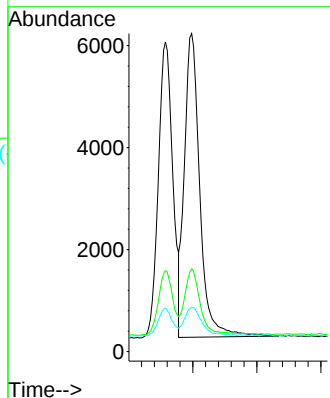
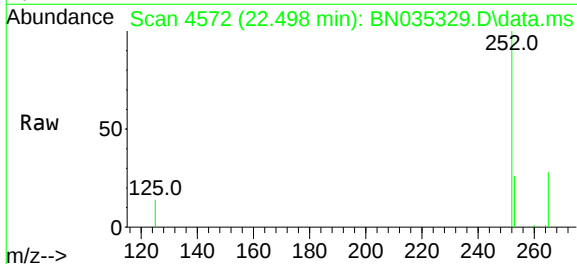
RT: 22.498 min Scan# 4572

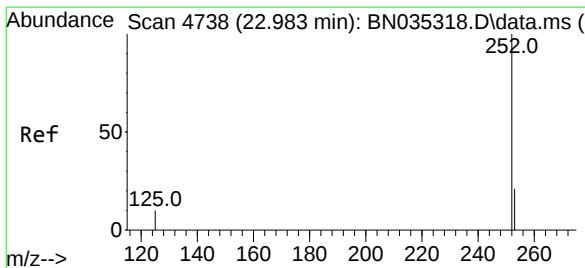
Delta R.T. -0.006 min

Lab File: BN035329.D

Acq: 26 Nov 2024 23:42

Tgt Ion:	252	Resp:	9972
Ion	Ratio	Lower	Upper
252	100		
253	26.0	21.8	32.6
125	13.9	8.6	12.8





#26

Benzo(a)pyrene

Concen: 0.372 ng/u1

RT: 22.981 min Scan# 47

Delta R.T. -0.006 min

Lab File: BN035329.D

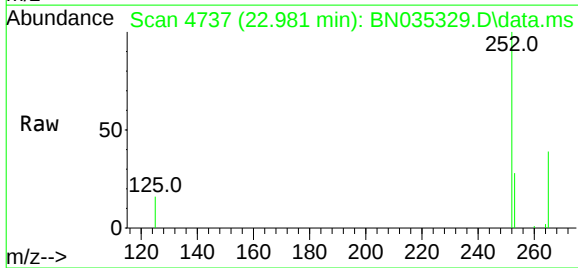
Acq: 26 Nov 2024 23:42

Instrument :

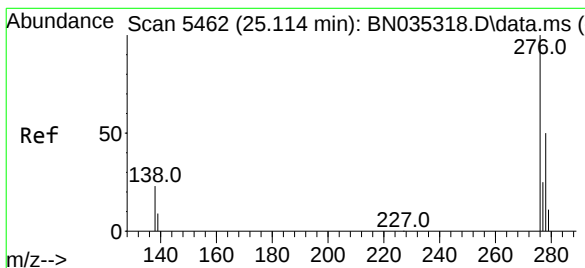
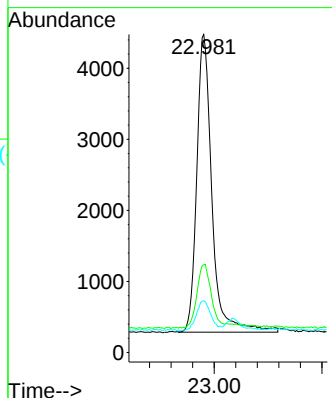
BNA_N

ClientSampleId :

BHF70MS



Tgt Ion:	252	Resp:	8195
Ion	Ratio	Lower	Upper
252	100		
253	27.6	22.9	34.3
125	16.3	9.4	14.2



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.383 ng/u1

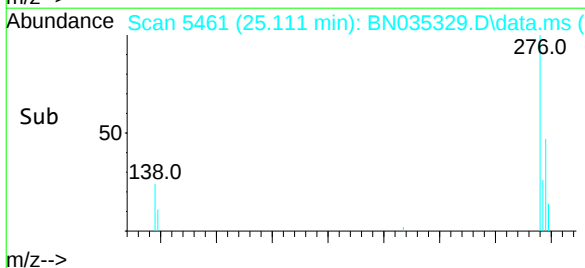
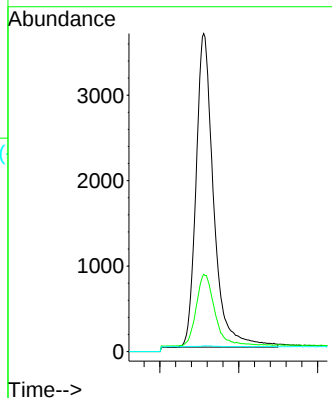
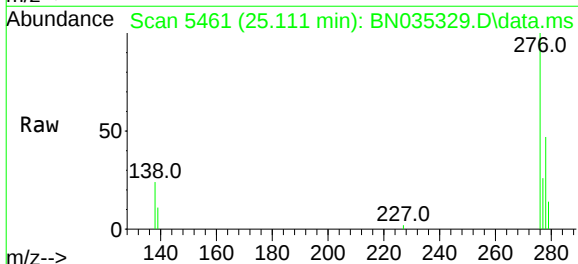
RT: 25.111 min Scan# 5461

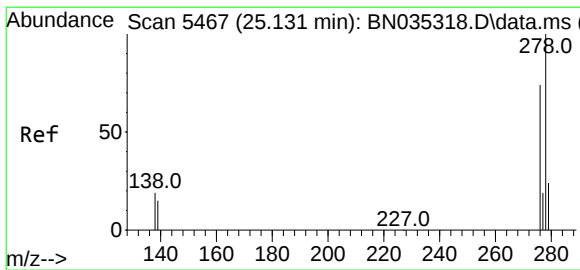
Delta R.T. -0.010 min

Lab File: BN035329.D

Acq: 26 Nov 2024 23:42

Tgt Ion:	276	Resp:	11384
Ion	Ratio	Lower	Upper
276	100		
138	23.4	13.8	20.8
227	9.3	0.2	0.4





#28

Dibenzo(a,h)anthracene

Concen: 0.371 ng/ul

RT: 25.128 min Scan# 54

Delta R.T. -0.010 min

Lab File: BN035329.D

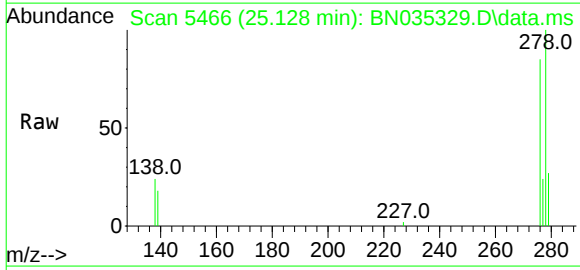
Acq: 26 Nov 2024 23:42

Instrument :

BNA_N

ClientSampleId :

BHF70MS



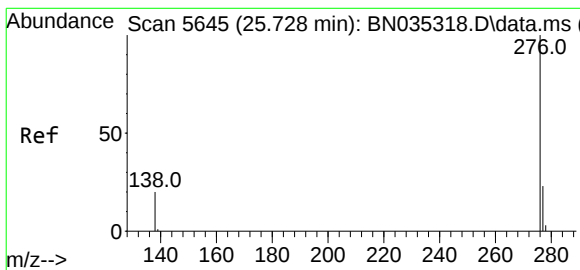
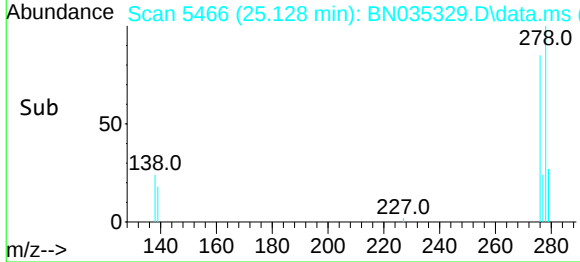
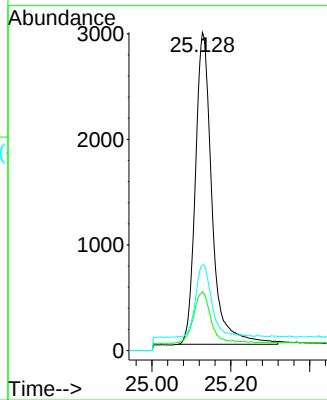
Tgt Ion:278 Resp: 8641

Ion Ratio Lower Upper

278 100

139 18.5 10.7 16.1#

279 26.9 22.8 34.2



#29

Benzo(g,h,i)perylene

Concen: 0.384 ng/ul

RT: 25.728 min Scan# 5645

Delta R.T. -0.007 min

Lab File: BN035329.D

Acq: 26 Nov 2024 23:42

Tgt Ion:276 Resp: 8998

Ion Ratio Lower Upper

276 100

138 22.2 13.0 19.6#

277 25.4 20.5 30.7

