

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN091924\
 Data File : BN034049.D
 Acq On : 19 Sep 2024 13:22
 Operator : JU/RC
 Sample : P3845-21DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WPDL

Quant Time: Sep 19 13:47:08 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 18 16:09:28 2024
 Response via : Initial Calibration

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

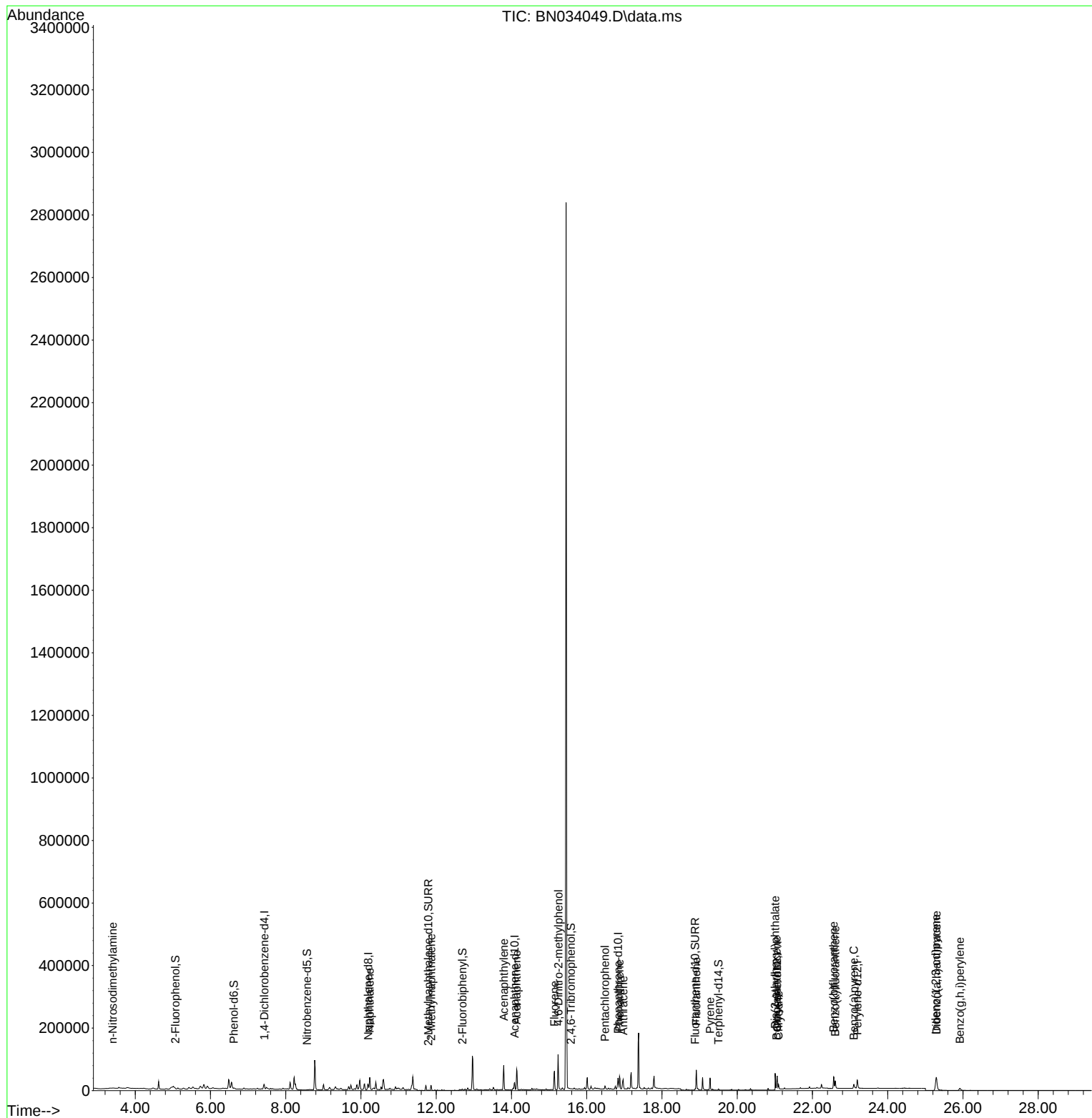
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.430	152	5064	0.400	ng	0.00
7) Naphthalene-d8	10.191	136	22842	0.400	ng	0.00
13) Acenaphthene-d10	14.083	164	14470	0.400	ng	0.00
19) Phenanthrene-d10	16.833	188	42455	0.400	ng	# 0.00
29) Chrysene-d12	21.062	240	35048	0.400	ng	0.00
35) Perylene-d12	23.192	264	35046	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.069	112	753	0.052	ng	0.00
5) Phenol-d6	6.622	99	885	0.053	ng	-0.01
8) Nitrobenzene-d5	8.568	82	548	0.031	ng	0.00
11) 2-Methylnaphthalene-d10	11.788	152	1463	0.043	ng	0.00
14) 2,4,6-Tribromophenol	15.579	330	292	0.045	ng	0.00
15) 2-Fluorobiphenyl	12.693	172	2468	0.042	ng	0.00
27) Fluoranthene-d10	18.880	212	4415	0.041	ng	0.00
31) Terphenyl-d14	19.503	244	3684	0.053	ng	0.00
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.400	42	380	0.053	ng	# 4
9) Naphthalene	10.233	128	46960	0.749	ng	99
12) 2-Methylnaphthalene	11.863	142	11297	0.277	ng	99
16) Acenaphthylene	13.794	152	82463	1.331	ng	100
17) Acenaphthene	14.137	154	33545	0.755	ng	99
18) Fluorene	15.142	166	39098	0.671	ng	99
20) 4,6-Dinitro-2-methylph...	15.248	198	344	0.181	ng	# 1
24) Pentachlorophenol	16.486	266	4327	0.489	ng	99
25) Phenanthrene	16.870	178	45452	0.373	ng	100
26) Anthracene	16.970	178	33675	0.338	ng	99
28) Fluoranthene	18.913	202	53784	0.381	ng	97
30) Pyrene	19.280	202	34067	0.230	ng	100
32) Benzo(a)anthracene	21.044	228	6977	0.063	ng	98
33) Chrysene	21.098	228	11132	0.084	ng	99
34) Bis(2-ethylhexyl)phtha...	21.008	149	32666	0.707	ng	# 97
36) Indeno(1,2,3-cd)pyrene	25.282	276	51133	0.340	ng	100
37) Benzo(b)fluoranthene	22.563	252	43235	0.315	ng	98
38) Benzo(k)fluoranthene	22.604	252	27216	0.189	ng	# 91
39) Benzo(a)pyrene	23.098	252	19732	0.176	ng	97
40) Dibenzo(a,h)anthracene	25.300	278	38158	0.327	ng	98
41) Benzo(g,h,i)perylene	25.920	276	13249	0.101	ng	98

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

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Instrument :
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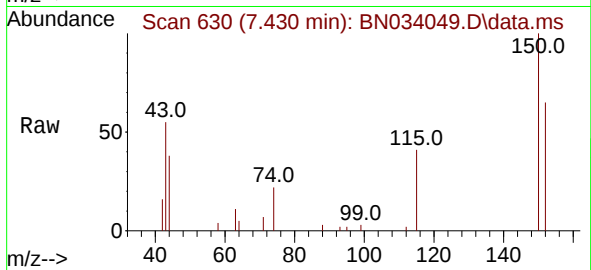
Quant Time: Sep 19 13:47:08 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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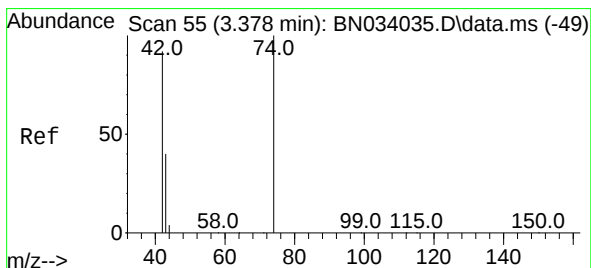
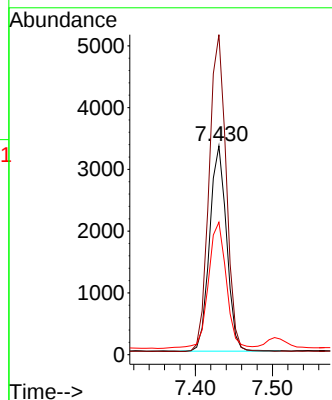
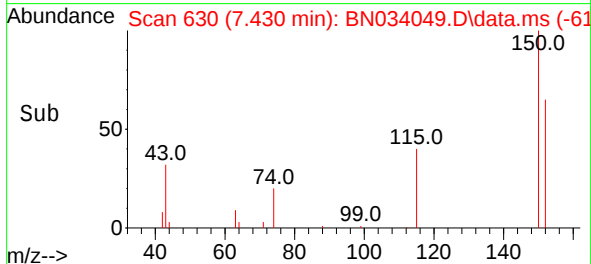


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.430 min Scan# 61
Delta R.T. -0.007 min
Lab File: BN034049.D
Acq: 19 Sep 2024 13:22

Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

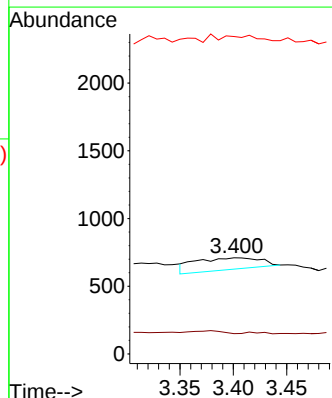
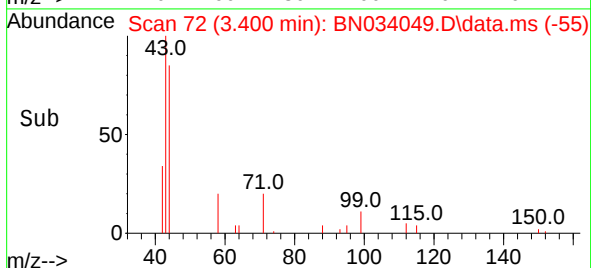
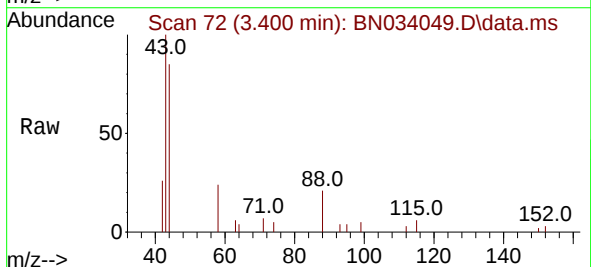


Tgt Ion:152 Resp: 5064
Ion Ratio Lower Upper
152 100
150 153.3 124.6 187.0
115 63.4 50.0 75.0



#3
n-Nitrosodimethylamine
Concen: 0.053 ng
RT: 3.400 min Scan# 72
Delta R.T. 0.023 min
Lab File: BN034049.D
Acq: 19 Sep 2024 13:22

Tgt Ion: 42 Resp: 380
Ion Ratio Lower Upper
42 100
74 4.2 94.6 142.0#
44 0.0 12.4 18.6#

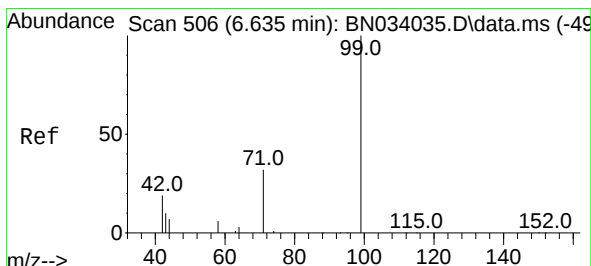
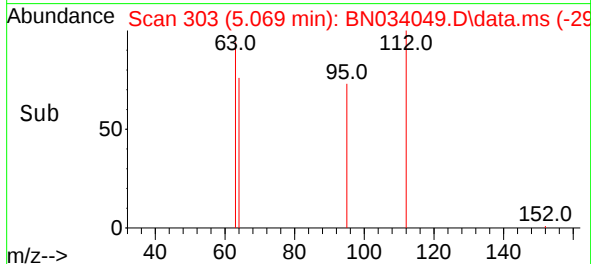
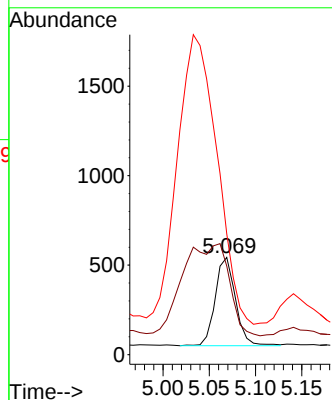
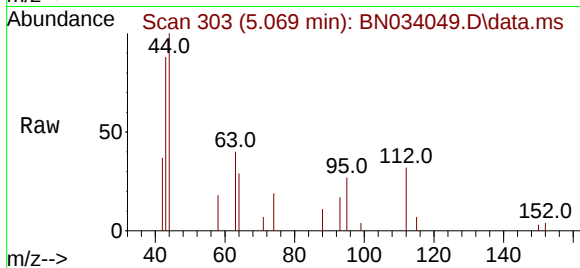




#4
2-Fluorophenol
Concen: 0.052 ng
RT: 5.069 min Scan# 303
Delta R.T. -0.006 min
Lab File: BN034049.D
Acq: 19 Sep 2024 13:22

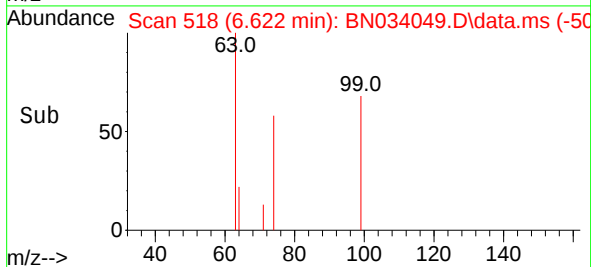
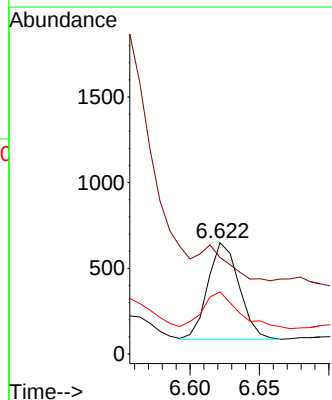
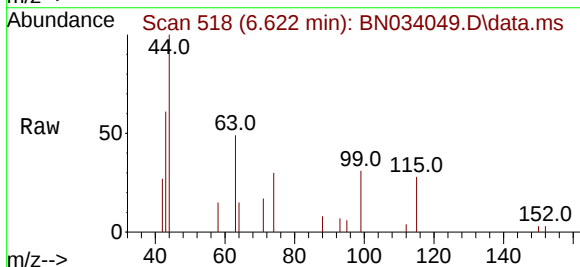
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

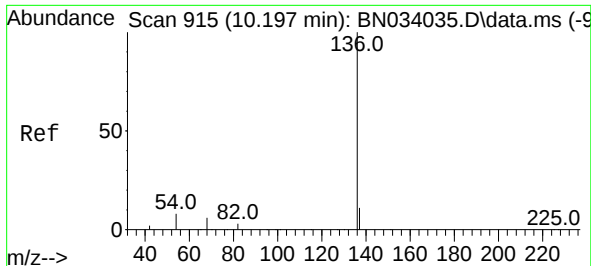
Tgt Ion:112 Resp: 753
Ion Ratio Lower Upper
112 100
64 240.0 48.6 72.8#
63 0.0 25.6 38.4#



#5
Phenol-d6
Concen: 0.053 ng
RT: 6.622 min Scan# 518
Delta R.T. -0.013 min
Lab File: BN034049.D
Acq: 19 Sep 2024 13:22

Tgt Ion: 99 Resp: 885
Ion Ratio Lower Upper
99 100
42 0.0 17.8 26.8#
71 43.3 26.2 39.2#

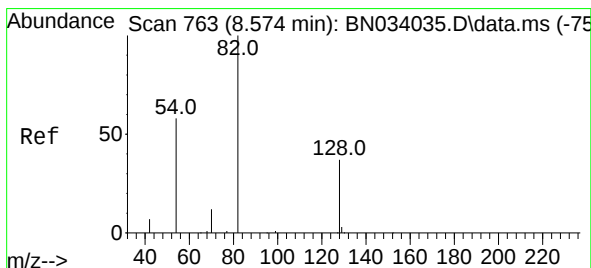
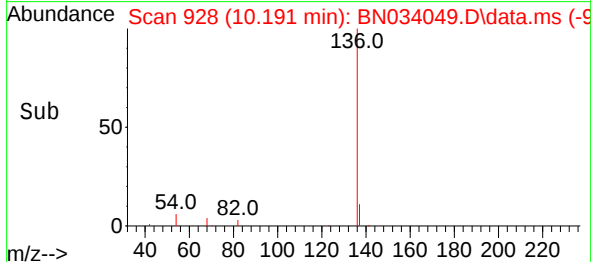
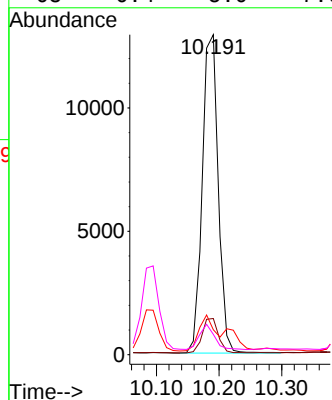
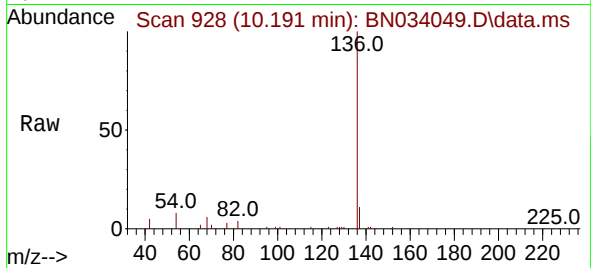




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.191 min Scan# 91
Delta R.T. -0.006 min
Lab File: BN034049.D
Acq: 19 Sep 2024 13:22

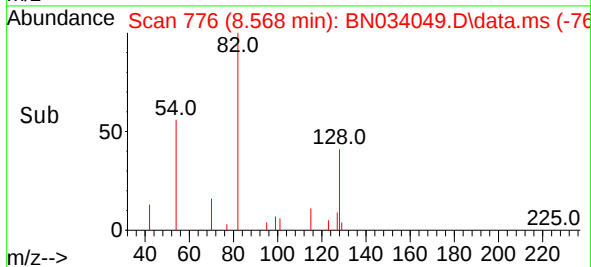
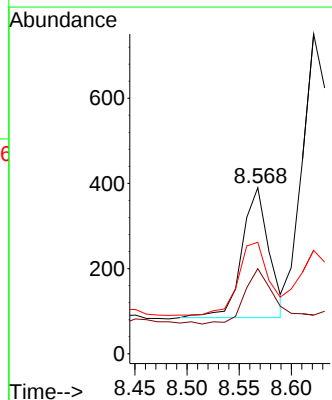
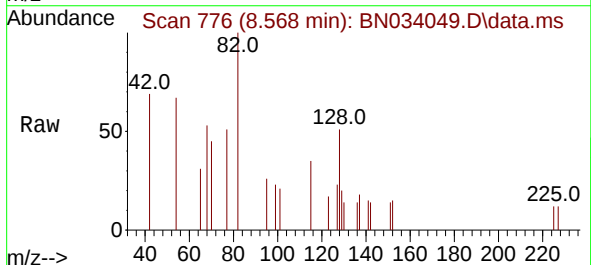
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

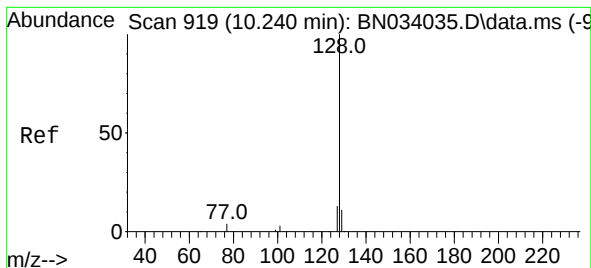
Tgt Ion:136	Resp:	22842
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.0 13.6
54	7.8	6.8 10.2
68	6.4	5.0 7.6



#8
Nitrobenzene-d5
Concen: 0.031 ng
RT: 8.568 min Scan# 776
Delta R.T. -0.006 min
Lab File: BN034049.D
Acq: 19 Sep 2024 13:22

Tgt Ion: 82	Resp:	548
Ion Ratio	Lower	Upper
82	100	
128	51.3	31.4 47.2#
54	67.2	47.4 71.0





#9

Naphthalene

Concen: 0.749 ng

RT: 10.233 min Scan# 91

Delta R.T. -0.006 min

Lab File: BN034049.D

Acq: 19 Sep 2024 13:22

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WPDL

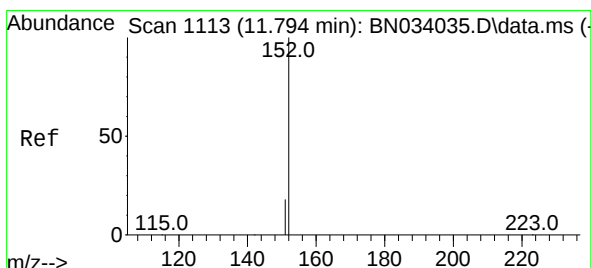
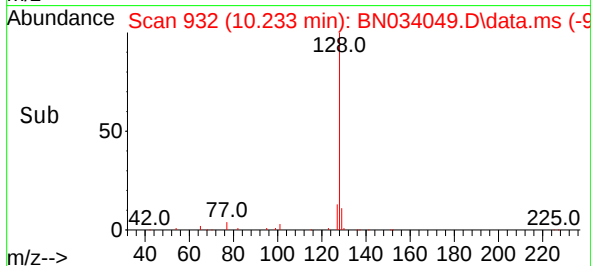
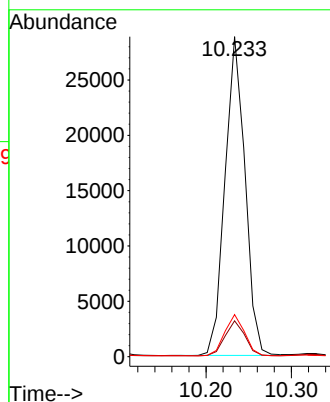
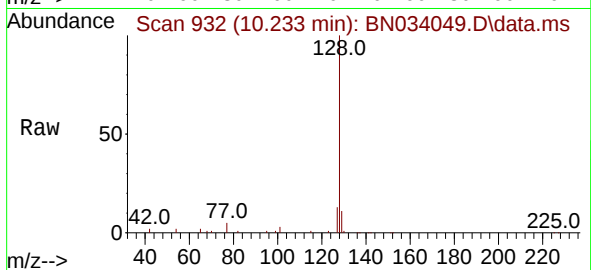
Tgt Ion:128 Resp: 46960

Ion Ratio Lower Upper

128 100

129 11.2 9.2 13.8

127 13.1 10.7 16.1



#11

2-Methylnaphthalene-d10

Concen: 0.043 ng

RT: 11.788 min Scan# 1126

Delta R.T. -0.006 min

Lab File: BN034049.D

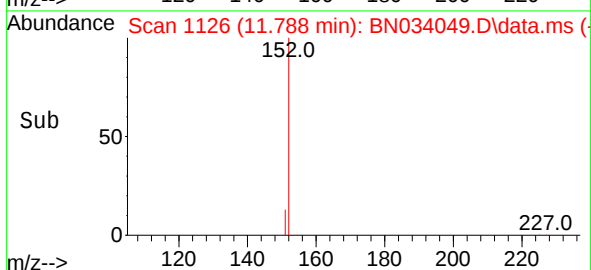
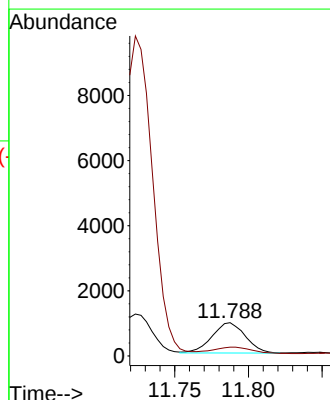
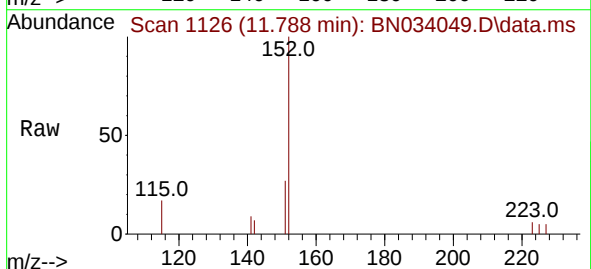
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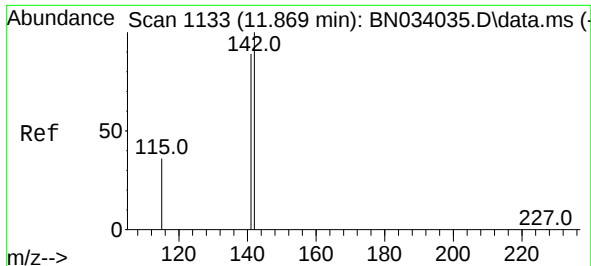
Tgt Ion:152 Resp: 1463

Ion Ratio Lower Upper

152 100

151 0.0 16.8 25.2#





#12

2-Methylnaphthalene

Concen: 0.277 ng

RT: 11.863 min Scan# 1133

Delta R.T. -0.006 min

Lab File: BN034049.D

Acq: 19 Sep 2024 13:22

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WPDL

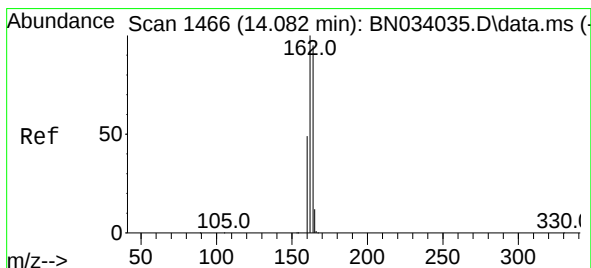
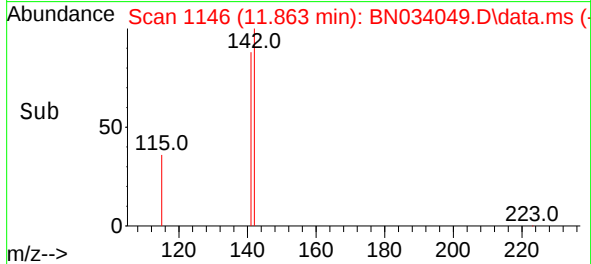
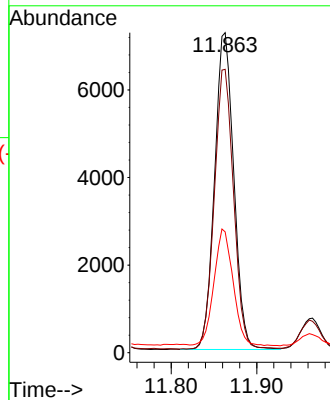
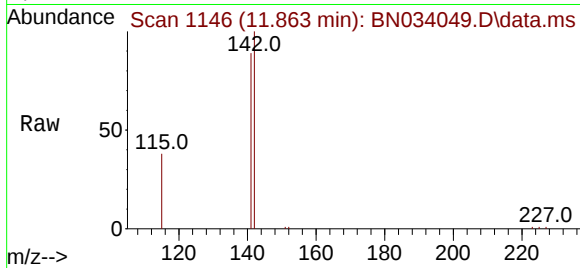
Tgt Ion:142 Resp: 11297

Ion Ratio Lower Upper

142 100

141 88.5 71.6 107.4

115 37.8 30.0 45.0



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.083 min Scan# 1481

Delta R.T. 0.001 min

Lab File: BN034049.D

Acq: 19 Sep 2024 13:22

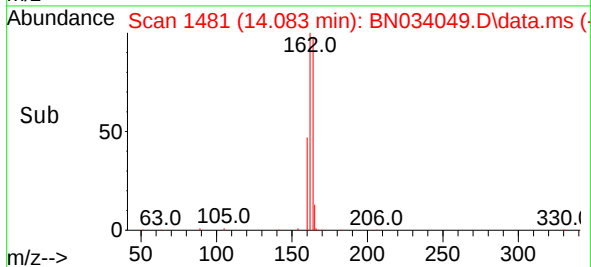
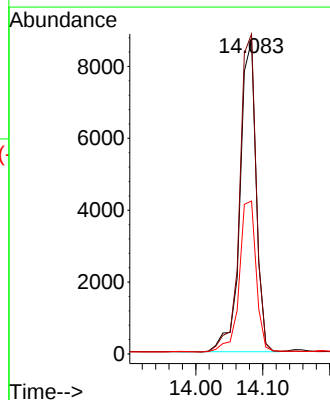
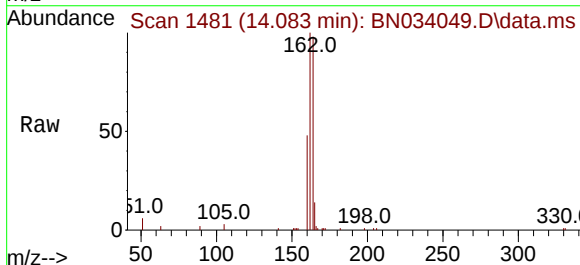
Tgt Ion:164 Resp: 14470

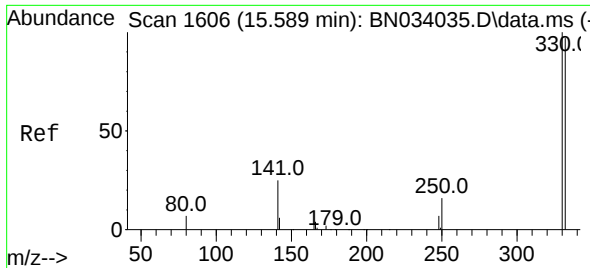
Ion Ratio Lower Upper

164 100

162 102.1 84.2 126.2

160 48.8 41.7 62.5

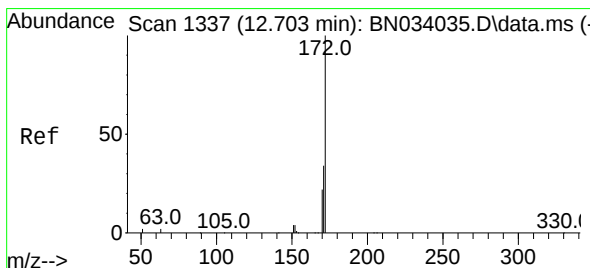
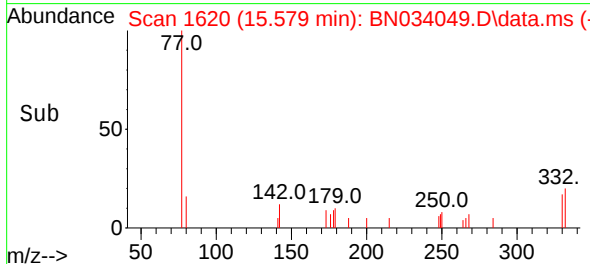
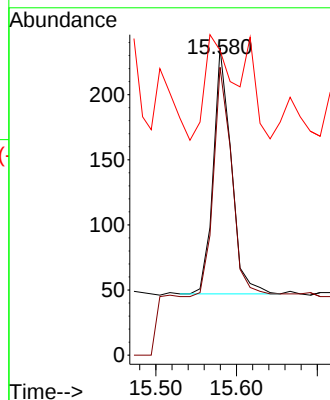
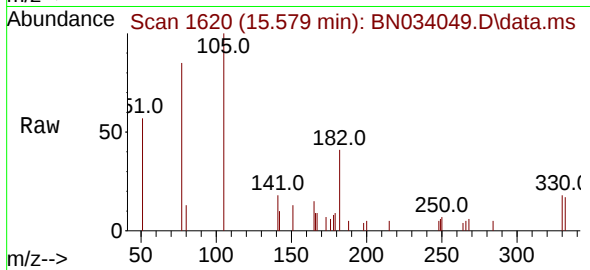




#14
2,4,6-Tribromophenol
Concen: 0.045 ng
RT: 15.579 min Scan# 11
Delta R.T. -0.009 min
Lab File: BN034049.D
Acq: 19 Sep 2024 13:22

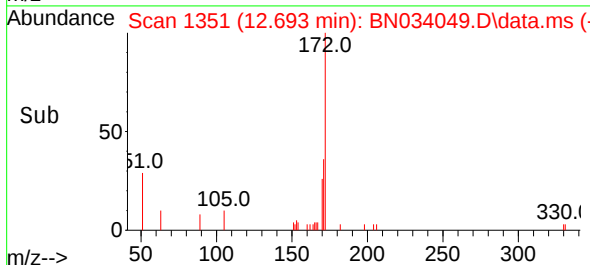
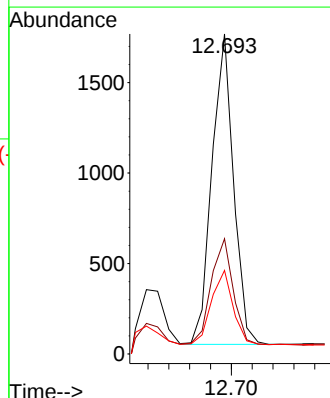
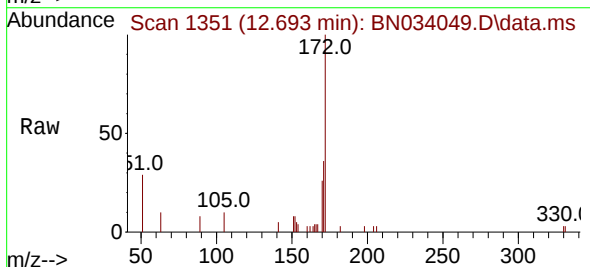
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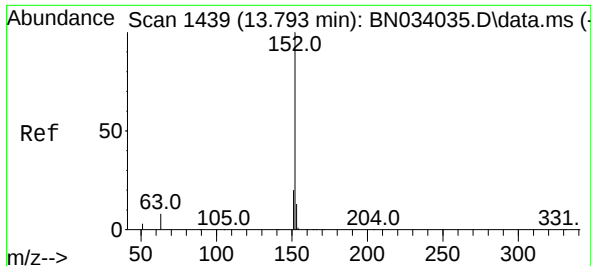
Tgt Ion:330 Resp: 292
Ion Ratio Lower Upper
330 100
332 96.2 77.4 116.0
141 87.3 35.9 53.9#



#15
2-Fluorobiphenyl
Concen: 0.042 ng
RT: 12.693 min Scan# 1351
Delta R.T. -0.009 min
Lab File: BN034049.D
Acq: 19 Sep 2024 13:22

Tgt Ion:172 Resp: 2468
Ion Ratio Lower Upper
172 100
171 36.0 27.3 40.9
170 26.1 18.1 27.1

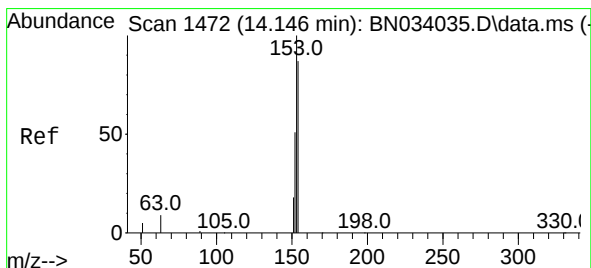
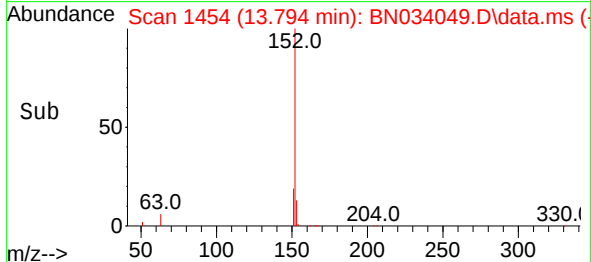
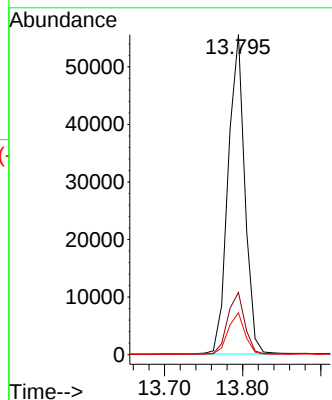
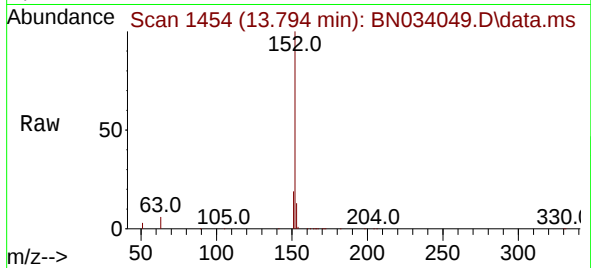




#16
Acenaphthylene
Concen: 1.331 ng
RT: 13.794 min Scan# 1439
Delta R.T. 0.001 min
Lab File: BN034049.D
Acq: 19 Sep 2024 13:22

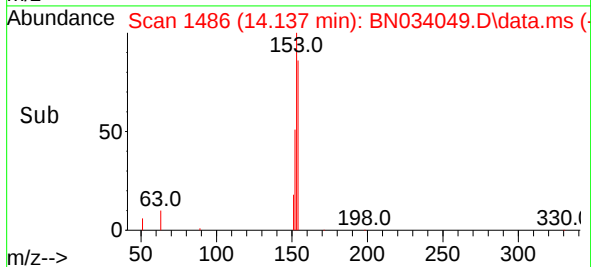
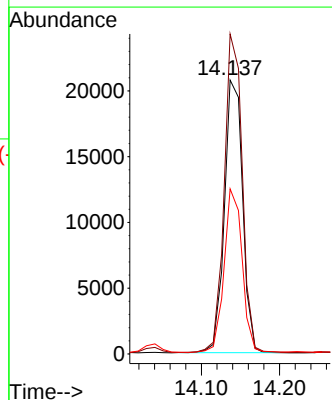
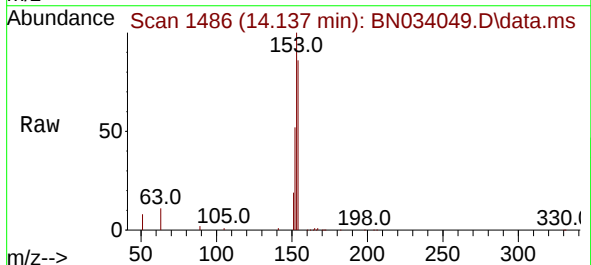
Instrument :
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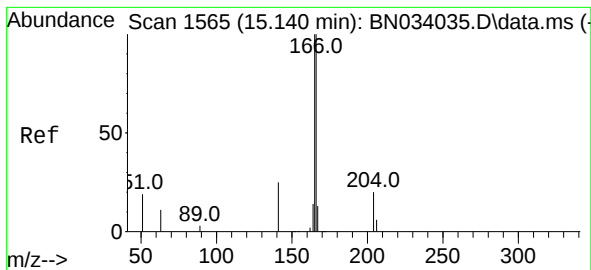
Tgt Ion:152 Resp: 82463
Ion Ratio Lower Upper
152 100
151 19.7 15.6 23.4
153 13.1 10.3 15.5



#17
Acenaphthene
Concen: 0.755 ng
RT: 14.137 min Scan# 1486
Delta R.T. -0.009 min
Lab File: BN034049.D
Acq: 19 Sep 2024 13:22

Tgt Ion:154 Resp: 33545
Ion Ratio Lower Upper
154 100
153 115.2 91.6 137.4
152 59.1 47.4 71.2





#18

Fluorene

Concen: 0.671 ng

RT: 15.142 min Scan# 1565

Delta R.T. 0.001 min

Lab File: BN034049.D

Acq: 19 Sep 2024 13:22

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WPDL

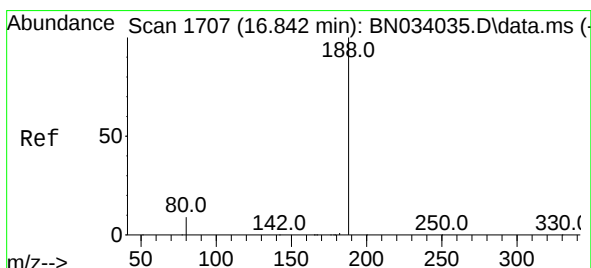
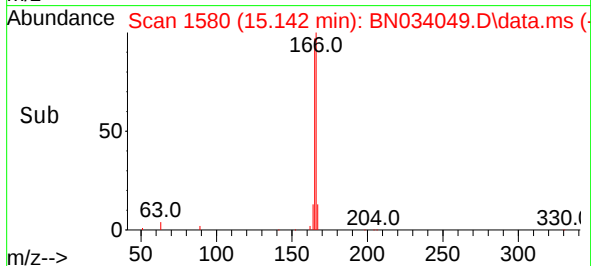
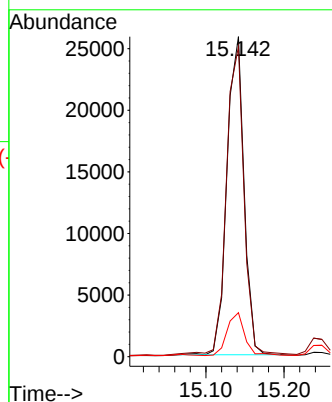
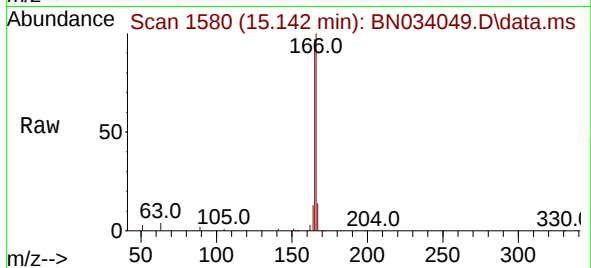
Tgt Ion:166 Resp: 39098

Ion Ratio Lower Upper

166 100

165 98.1 79.1 118.7

167 14.0 10.6 15.8



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.833 min Scan# 1721

Delta R.T. -0.009 min

Lab File: BN034049.D

Acq: 19 Sep 2024 13:22

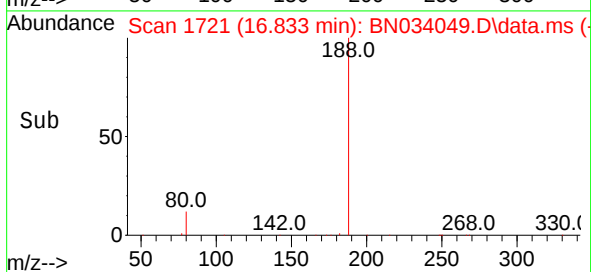
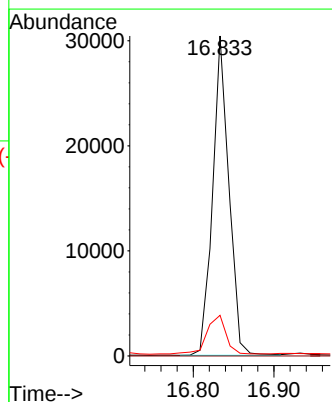
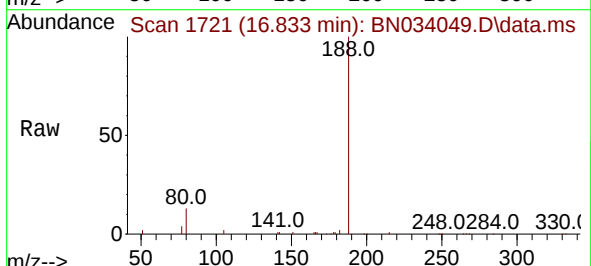
Tgt Ion:188 Resp: 42455

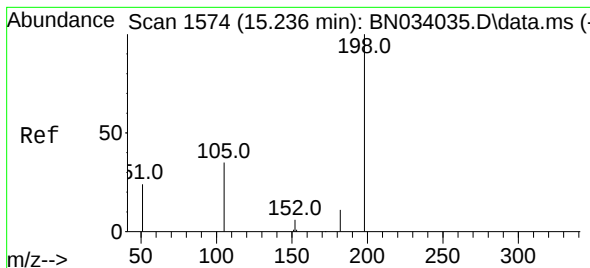
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.7 7.4 11.0#

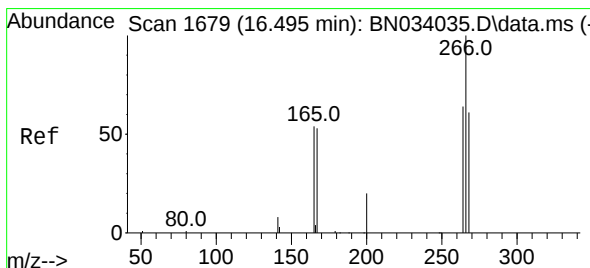
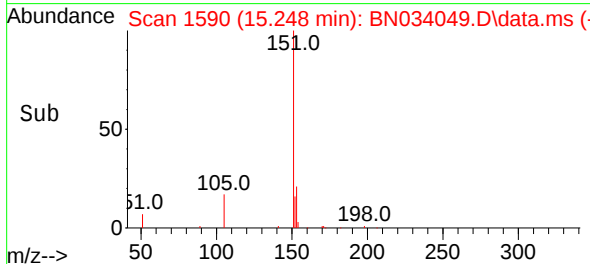
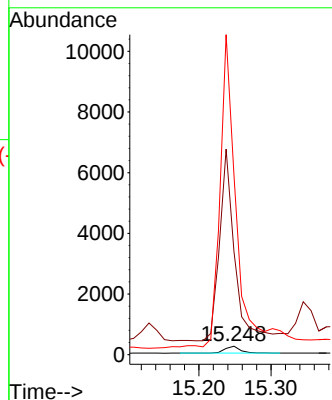
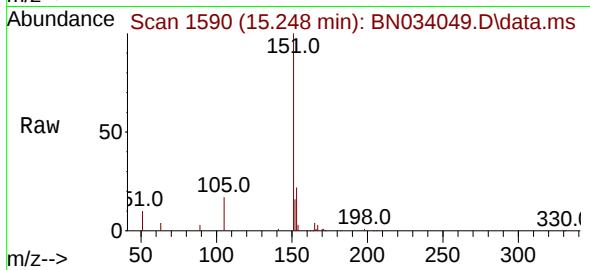




#20
4,6-Dinitro-2-methylphenol
Concen: 0.181 ng
RT: 15.248 min Scan# 1693
Delta R.T. 0.012 min
Lab File: BN034049.D
Acq: 19 Sep 2024 13:22

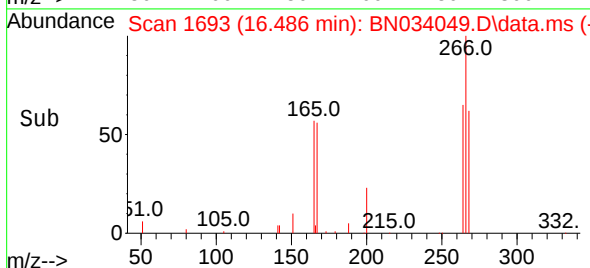
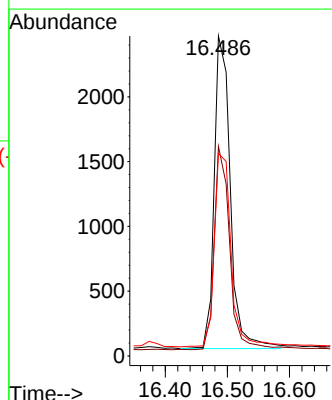
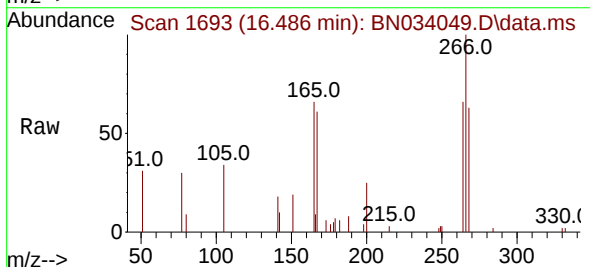
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

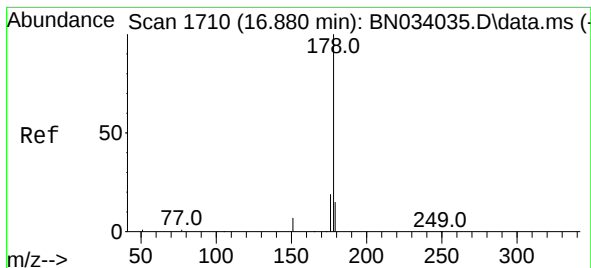
Tgt Ion:198 Resp: 344
Ion Ratio Lower Upper
198 100
51 1211.4 106.4 159.6#
105 2108.2 38.5 57.7#



#24
Pentachlorophenol
Concen: 0.489 ng
RT: 16.486 min Scan# 1693
Delta R.T. -0.009 min
Lab File: BN034049.D
Acq: 19 Sep 2024 13:22

Tgt Ion:266 Resp: 4327
Ion Ratio Lower Upper
266 100
264 62.4 50.2 75.2
268 64.5 51.0 76.4





#25

Phenanthrene

Concen: 0.373 ng

RT: 16.870 min Scan# 1710

Delta R.T. -0.009 min

Lab File: BN034049.D

Acq: 19 Sep 2024 13:22

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WPDL

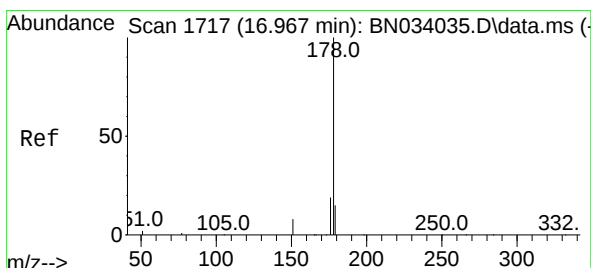
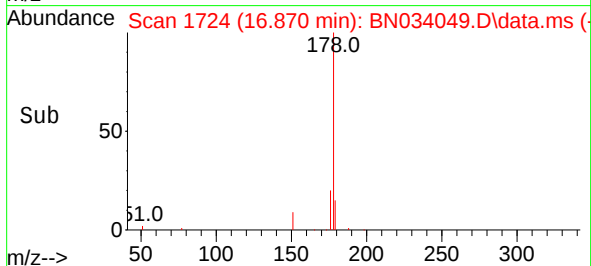
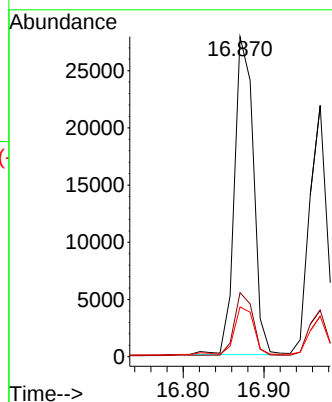
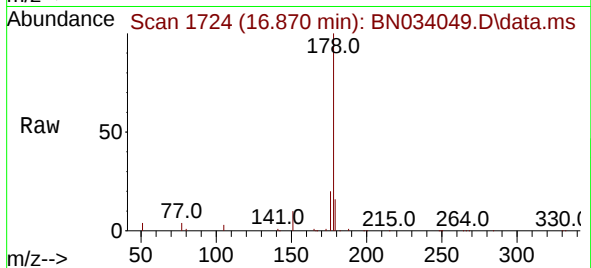
Tgt Ion:178 Resp: 45452

Ion Ratio Lower Upper

178 100

176 19.0 15.3 22.9

179 15.3 12.1 18.1



#26

Anthracene

Concen: 0.338 ng

RT: 16.970 min Scan# 1732

Delta R.T. 0.003 min

Lab File: BN034049.D

Acq: 19 Sep 2024 13:22

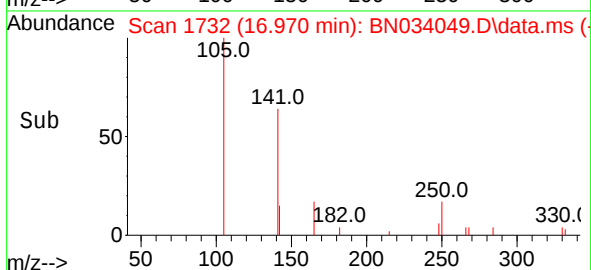
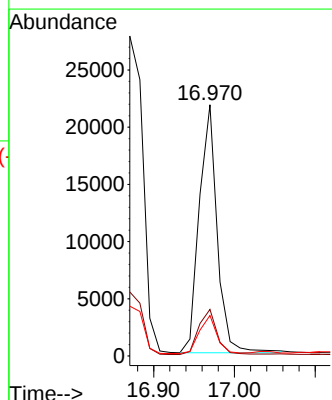
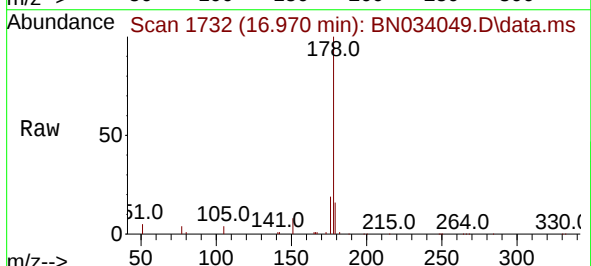
Tgt Ion:178 Resp: 33675

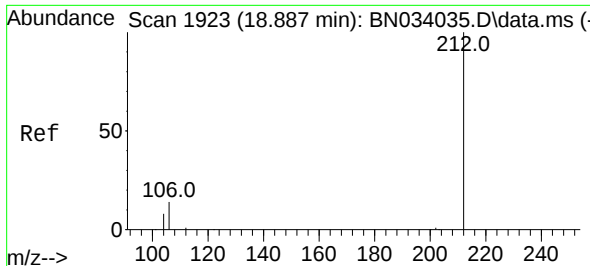
Ion Ratio Lower Upper

178 100

176 18.3 15.0 22.6

179 14.8 12.2 18.4

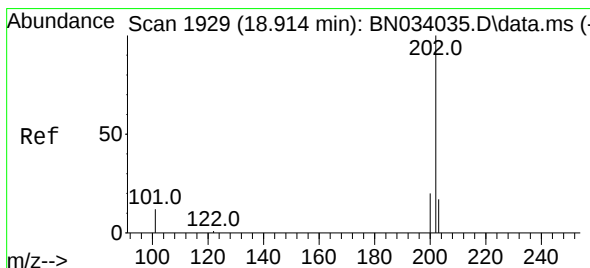
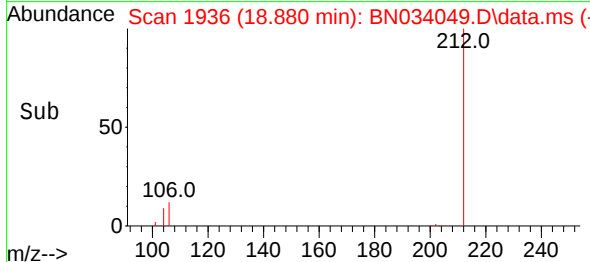
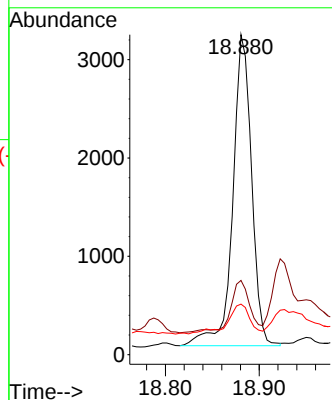
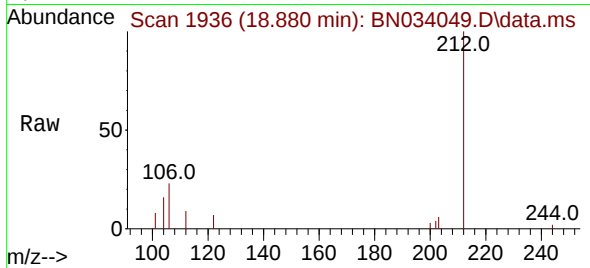




#27
Fluoranthene-d10
Concen: 0.041 ng
RT: 18.880 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BN034049.D
Acq: 19 Sep 2024 13:22

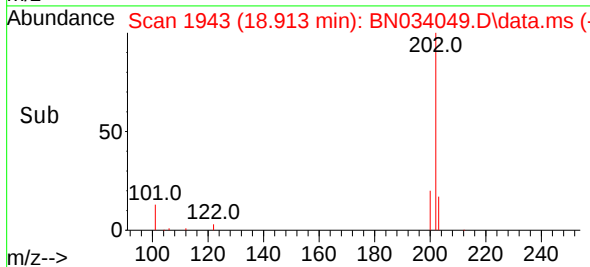
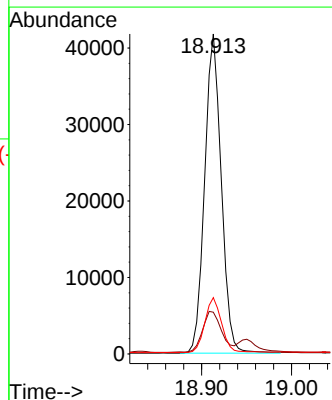
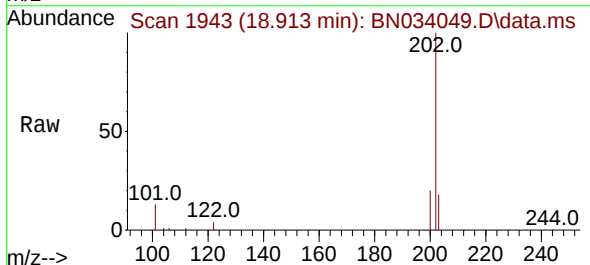
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

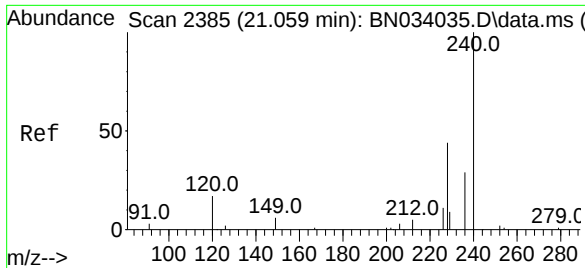
Tgt Ion:212 Resp: 4415
Ion Ratio Lower Upper
212 100
106 14.5 13.4 20.2
104 7.9 7.8 11.6



#28
Fluoranthene
Concen: 0.381 ng
RT: 18.913 min Scan# 1943
Delta R.T. -0.002 min
Lab File: BN034049.D
Acq: 19 Sep 2024 13:22

Tgt Ion:202 Resp: 53784
Ion Ratio Lower Upper
202 100
101 14.8 10.1 15.1
203 17.4 13.6 20.4

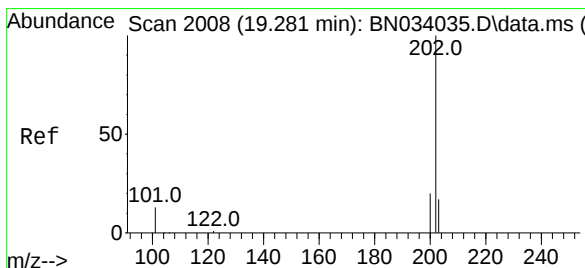
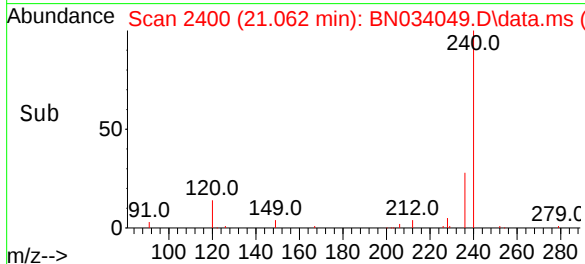
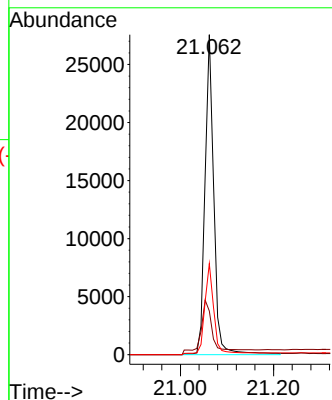
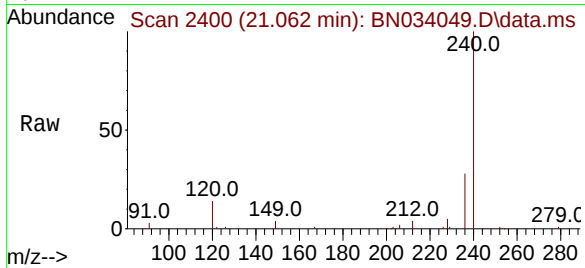




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.062 min Scan# 2400
Delta R.T. 0.003 min
Lab File: BN034049.D
Acq: 19 Sep 2024 13:22

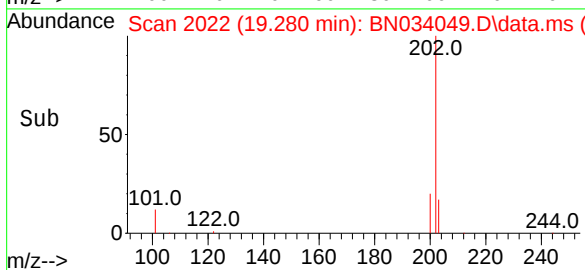
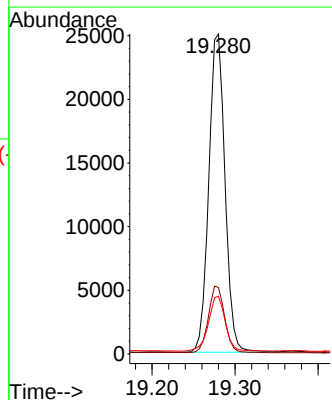
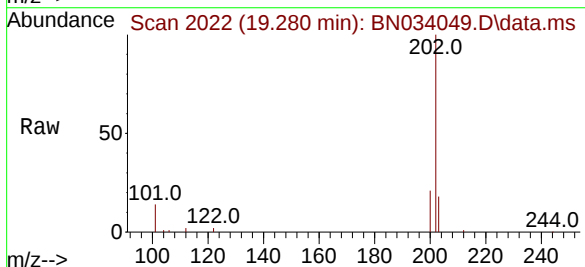
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

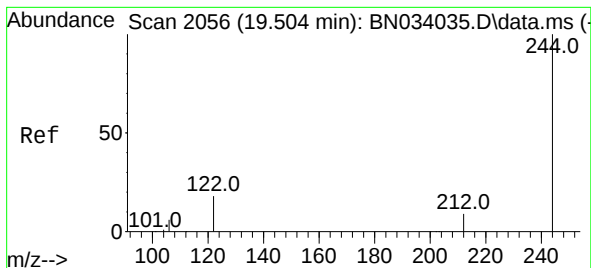
Tgt Ion:240 Resp: 35048
Ion Ratio Lower Upper
240 100
120 13.7 13.5 20.3
236 28.4 23.4 35.0



#30
Pyrene
Concen: 0.230 ng
RT: 19.280 min Scan# 2022
Delta R.T. -0.002 min
Lab File: BN034049.D
Acq: 19 Sep 2024 13:22

Tgt Ion:202 Resp: 34067
Ion Ratio Lower Upper
202 100
200 20.8 16.6 25.0
203 17.7 14.3 21.5





#31

Terphenyl-d14

Concen: 0.053 ng

RT: 19.503 min Scan# 2056

Delta R.T. -0.002 min

Lab File: BN034049.D

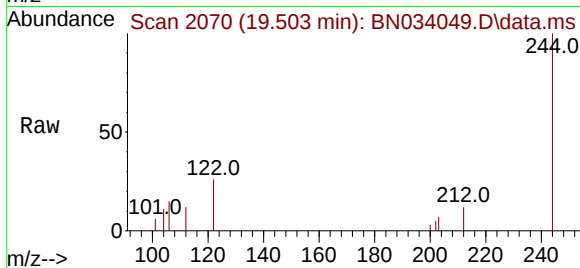
Acq: 19 Sep 2024 13:22

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WPDL



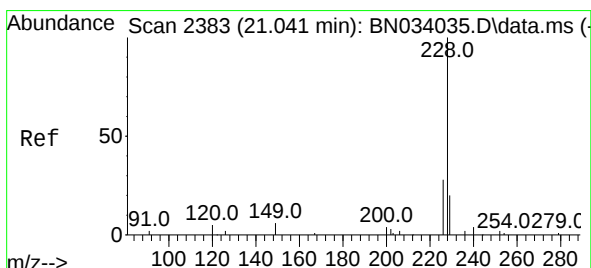
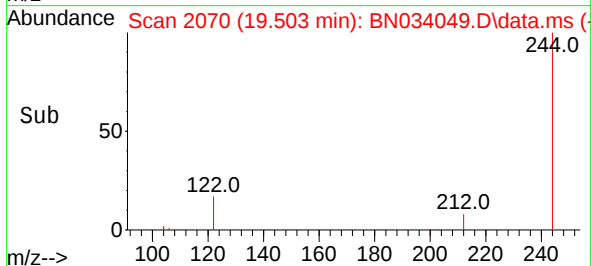
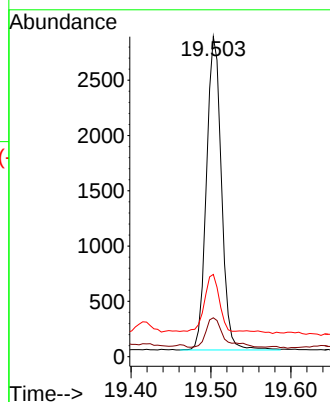
Tgt Ion:244 Resp: 3684

Ion Ratio Lower Upper

244 100

212 12.1 7.8 11.6#

122 25.7 14.8 22.2#



#32

Benzo(a)anthracene

Concen: 0.063 ng

RT: 21.044 min Scan# 2398

Delta R.T. 0.003 min

Lab File: BN034049.D

Acq: 19 Sep 2024 13:22

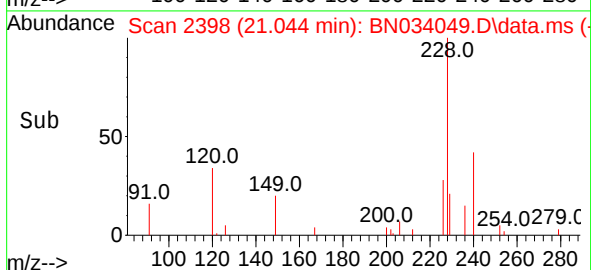
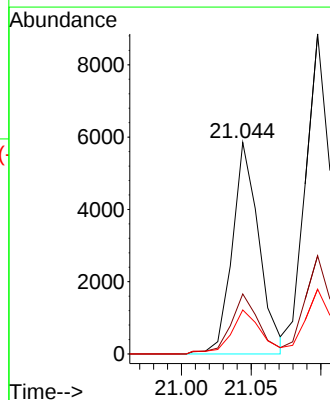
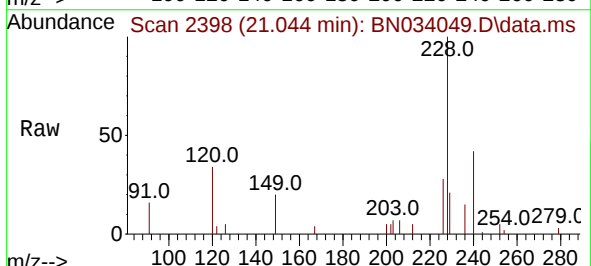
Tgt Ion:228 Resp: 6977

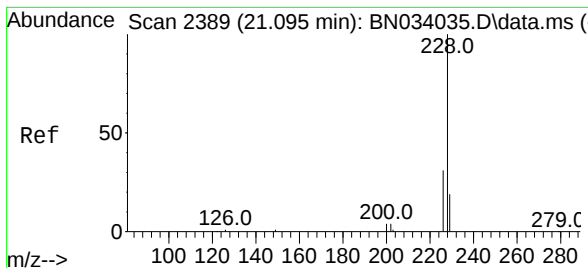
Ion Ratio Lower Upper

228 100

226 28.4 22.3 33.5

229 20.8 15.7 23.5





#33

Chrysene

Concen: 0.084 ng

RT: 21.098 min Scan# 2404

Delta R.T. 0.003 min

Lab File: BN034049.D

Acq: 19 Sep 2024 13:22

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WPDL

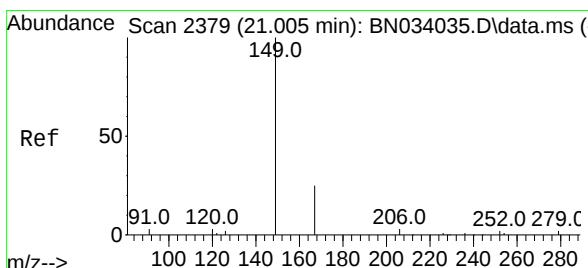
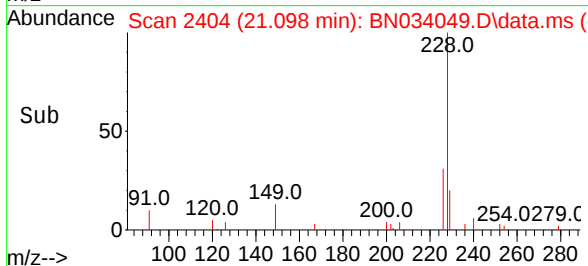
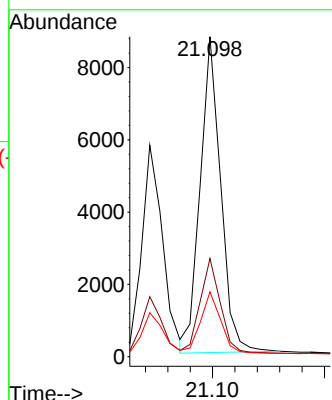
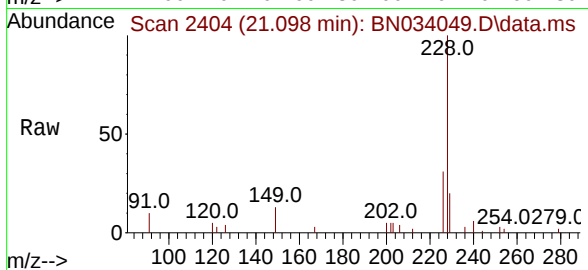
Tgt Ion:228 Resp: 11132

Ion Ratio Lower Upper

228 100

226 30.7 24.6 37.0

229 20.2 15.5 23.3



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.707 ng

RT: 21.008 min Scan# 2394

Delta R.T. 0.003 min

Lab File: BN034049.D

Acq: 19 Sep 2024 13:22

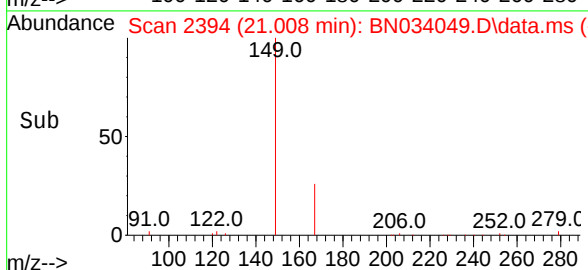
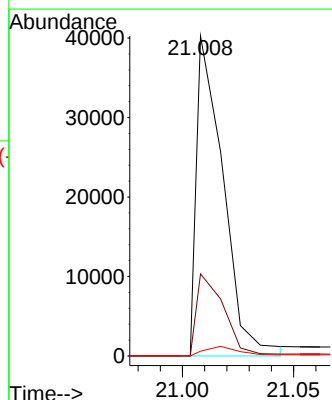
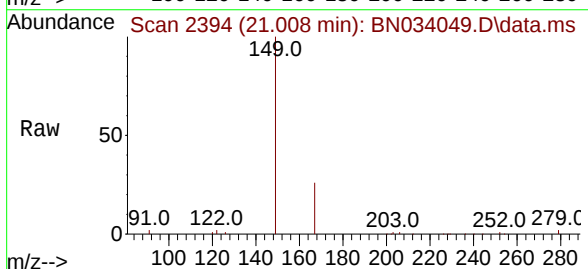
Tgt Ion:149 Resp: 32666

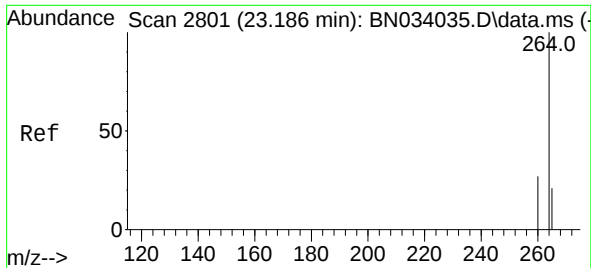
Ion Ratio Lower Upper

149 100

167 26.3 19.9 29.9

279 3.7 4.6 6.8#

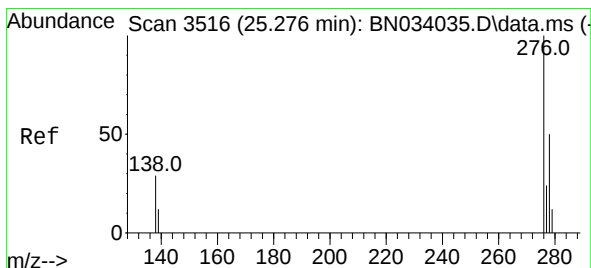
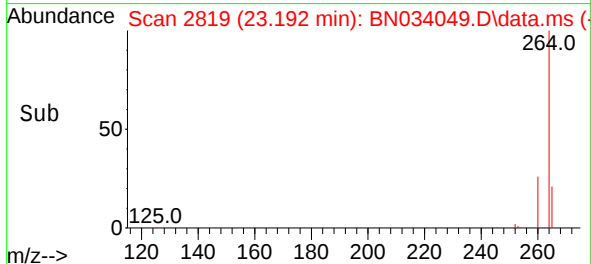
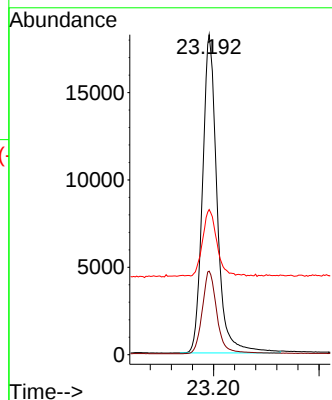
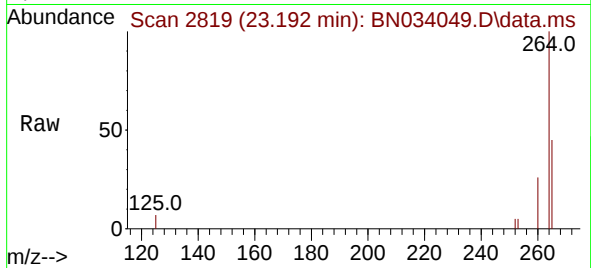




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.192 min Scan# 21
Delta R.T. 0.006 min
Lab File: BN034049.D
Acq: 19 Sep 2024 13:22

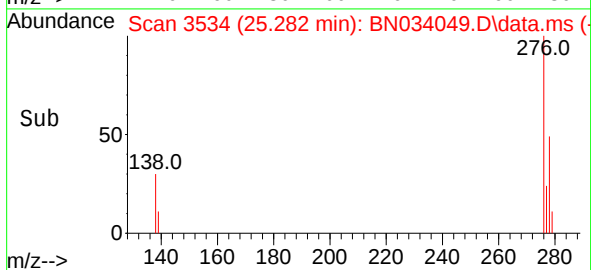
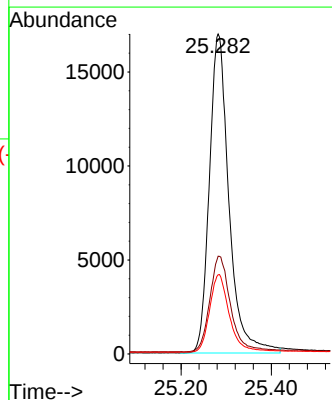
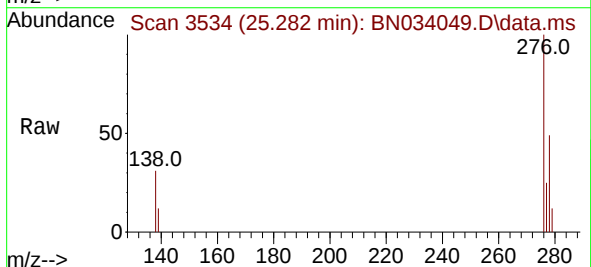
Instrument :
BNA_N
ClientSampleId :
RR-PAH-WPDL

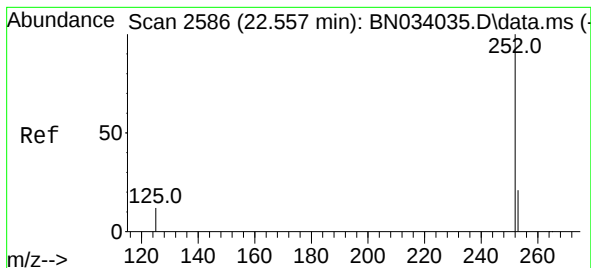
Tgt Ion:264 Resp: 35046
Ion Ratio Lower Upper
264 100
260 26.1 21.7 32.5
265 45.4 52.1 78.1#



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.340 ng
RT: 25.282 min Scan# 3534
Delta R.T. 0.006 min
Lab File: BN034049.D
Acq: 19 Sep 2024 13:22

Tgt Ion:276 Resp: 51133
Ion Ratio Lower Upper
276 100
138 32.1 25.9 38.9
277 24.7 19.7 29.5





#37

Benzo(b)fluoranthene

Concen: 0.315 ng

RT: 22.563 min Scan# 2018

Delta R.T. 0.006 min

Lab File: BN034049.D

Acq: 19 Sep 2024 13:22

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WPDL

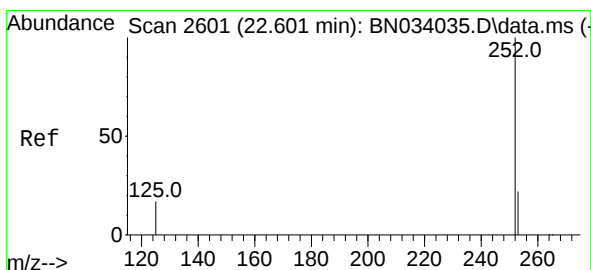
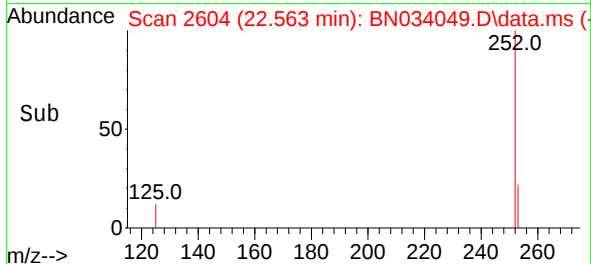
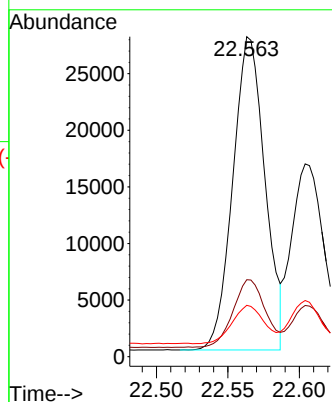
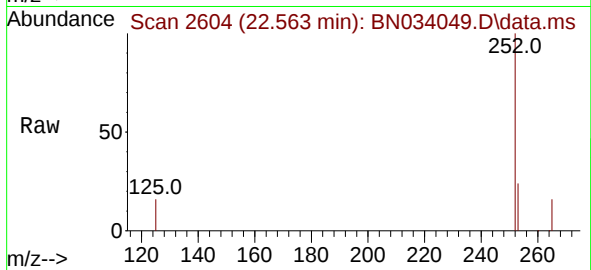
Tgt Ion:252 Resp: 43235

Ion Ratio Lower Upper

252 100

253 24.1 19.6 29.4

125 16.0 13.8 20.8



#38

Benzo(k)fluoranthene

Concen: 0.189 ng

RT: 22.604 min Scan# 2618

Delta R.T. 0.003 min

Lab File: BN034049.D

Acq: 19 Sep 2024 13:22

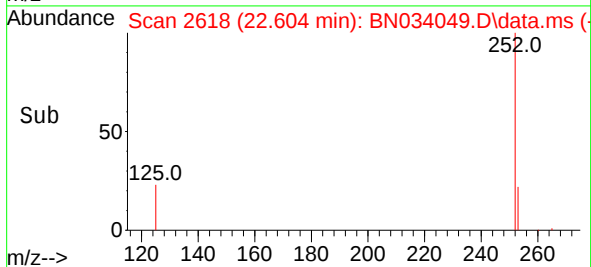
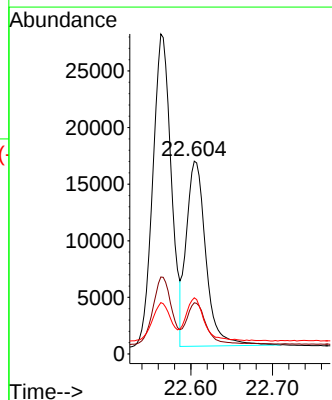
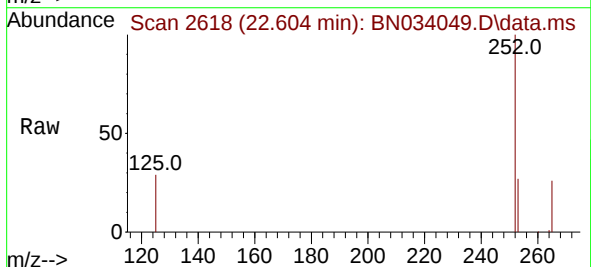
Tgt Ion:252 Resp: 27216

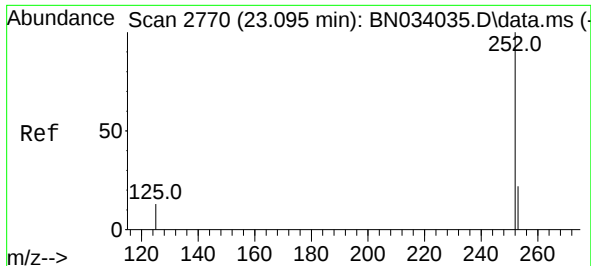
Ion Ratio Lower Upper

252 100

253 26.6 20.1 30.1

125 29.1 16.8 25.2#





#39

Benzo(a)pyrene

Concen: 0.176 ng

RT: 23.098 min Scan# 21

Delta R.T. 0.003 min

Lab File: BN034049.D

Acq: 19 Sep 2024 13:22

Instrument :

BNA_N

ClientSampleId :

RR-PAH-WPDL

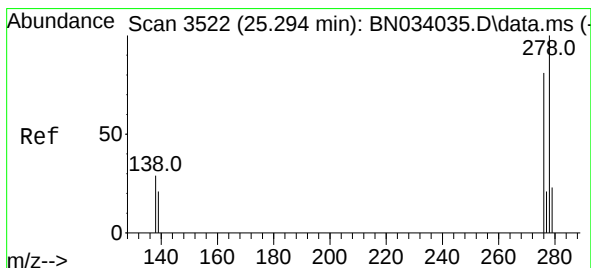
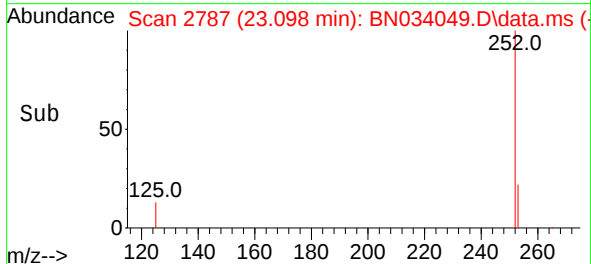
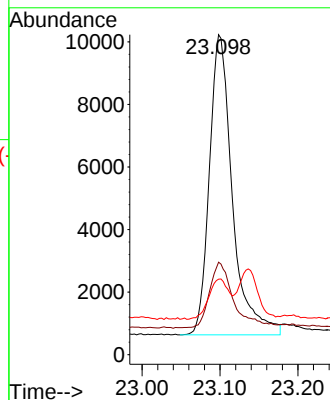
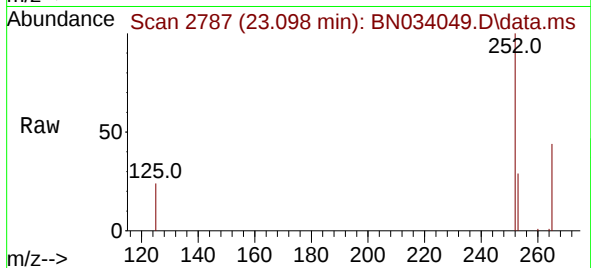
Tgt Ion:252 Resp: 19732

Ion Ratio Lower Upper

252 100

253 28.9 21.8 32.8

125 23.6 17.5 26.3



#40

Dibenzo(a,h)anthracene

Concen: 0.327 ng

RT: 25.300 min Scan# 3540

Delta R.T. 0.006 min

Lab File: BN034049.D

Acq: 19 Sep 2024 13:22

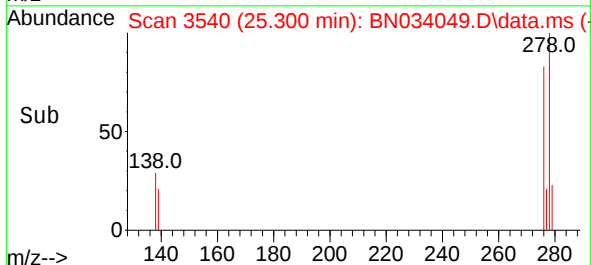
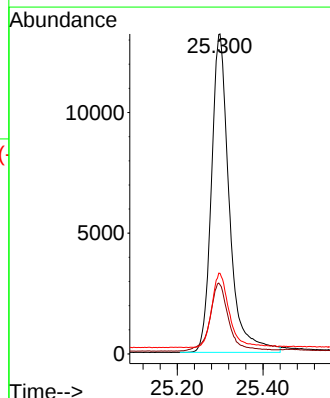
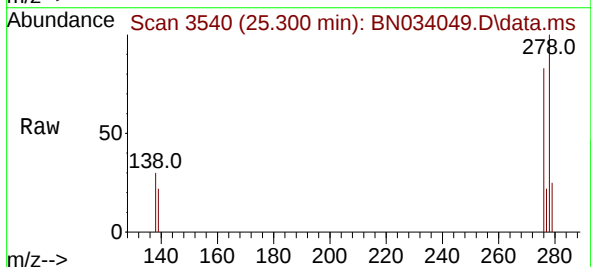
Tgt Ion:278 Resp: 38158

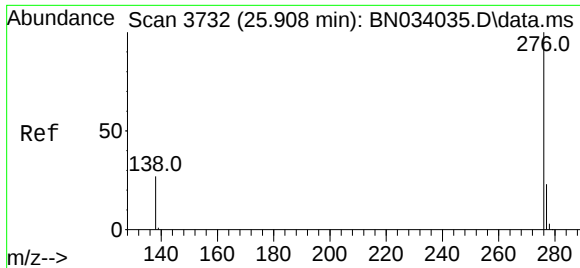
Ion Ratio Lower Upper

278 100

139 21.6 17.8 26.8

279 25.2 21.0 31.6





#41
 Benzo(g,h,i)perylene
 Concen: 0.101 ng
 RT: 25.920 min Scan# 31
 Delta R.T. 0.012 min
 Lab File: BN034049.D
 Acq: 19 Sep 2024 13:22

Instrument :
 BNA_N
 ClientSampleId :
 RR-PAH-WPDL

Tgt Ion:276 Resp: 13249
 Ion Ratio Lower Upper
 276 100
 277 25.0 19.3 28.9
 138 29.4 22.6 34.0

