

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113023\
 Data File : BN028947.D
 Acq On : 01 Dec 2023 14:53
 Operator : MA/JU
 Sample : 05350-09
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE115D1-20231107

Quant Time: Dec 01 16:20:19 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN113023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 01 00:28:34 2023
 Response via : Initial Calibration

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

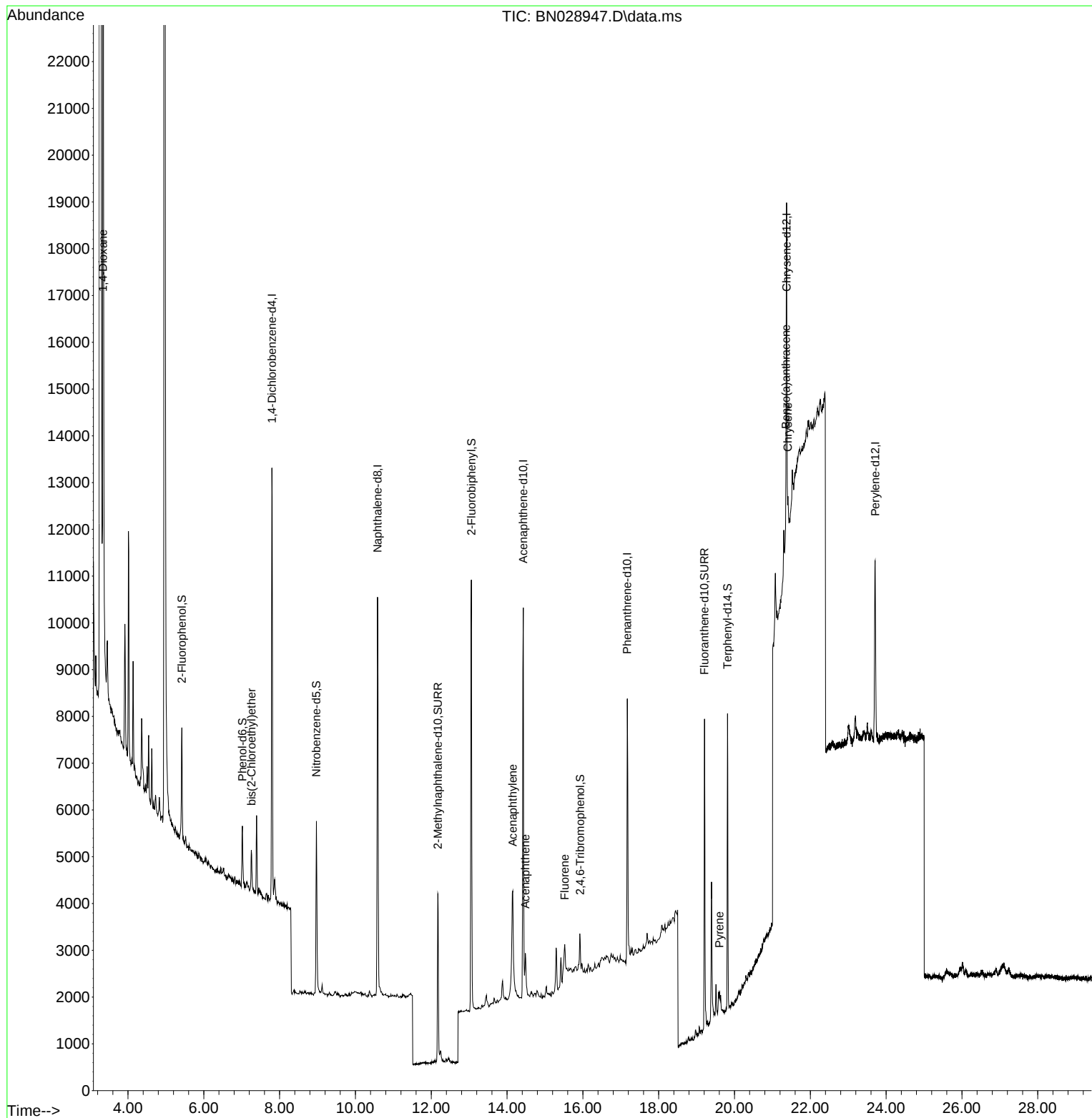
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.797	152	4389	0.400	ng	-0.01
7) Naphthalene-d8	10.583	136	11486	0.400	ng	-0.01
13) Acenaphthene-d10	14.428	164	4938	0.400	ng	0.00
19) Phenanthrene-d10	17.171	188	7944	0.400	ng	#-0.01
29) Chrysene-d12	21.374	240	5233	0.400	ng	# 0.00
35) Perylene-d12	23.710	264	5227	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.420	112	1669	0.125	ng	-0.03
5) Phenol-d6	7.017	99	1152	0.078	ng	-0.03
8) Nitrobenzene-d5	8.971	82	3177	0.278	ng	-0.01
11) 2-Methylnaphthalene-d10	12.174	152	5119	0.278	ng	-0.01
14) 2,4,6-Tribromophenol	15.930	330	503	0.151	ng	0.00
15) 2-Fluorobiphenyl	13.060	172	8520	0.400	ng	-0.01
27) Fluoranthene-d10	19.209	212	7450	0.357	ng	0.00
31) Terphenyl-d14	19.817	244	6127	0.407	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.340	88	18432	4.288	ng	94
6) bis(2-Chloroethyl)ether	7.255	93	746	0.060	ng	99
16) Acenaphthylene	14.150	152	6773	0.259	ng	# 95
17) Acenaphthene	14.482	154	780	0.045	ng	94
18) Fluorene	15.520	166	838	0.038	ng	# 39
30) Pyrene	19.603	202	751	0.113	ng	# 65
32) Benzo(a)anthracene	21.356	228	512	0.023	ng	# 1
33) Chrysene	21.409	228	577	0.026	ng	# 1

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN113023\
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Misc :
ALS Vial : 38 Sample Multiplier: 1

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RE115D1-20231107

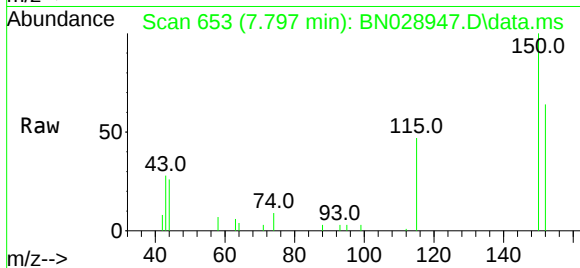
Quant Time: Dec 01 16:20:19 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN113023.M
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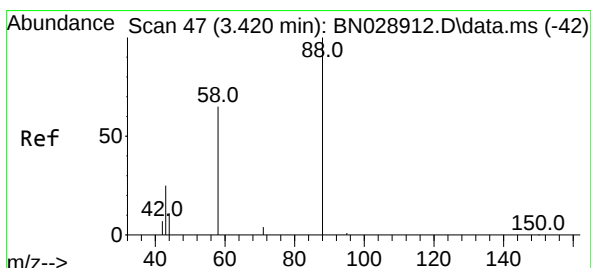
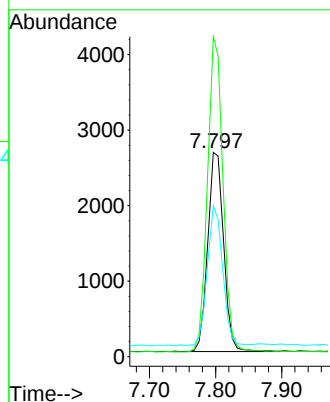
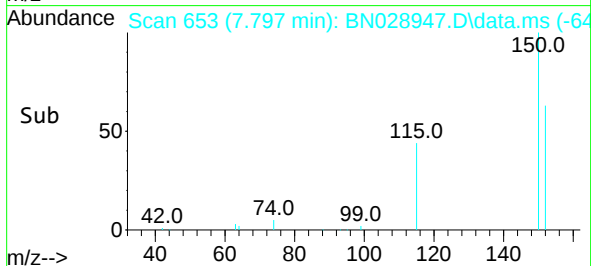


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.797 min Scan# 61
Delta R.T. -0.014 min
Lab File: BN028947.D
Acq: 01 Dec 2023 14:53

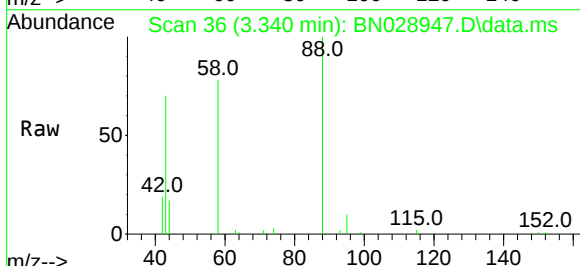
Instrument :
BNA_N
ClientSampleId :
RE115D1-20231107



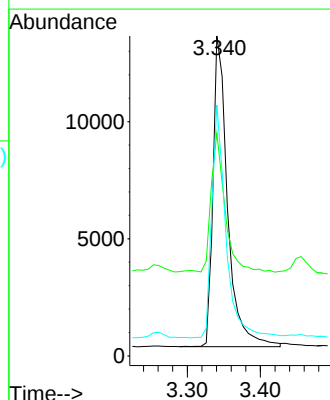
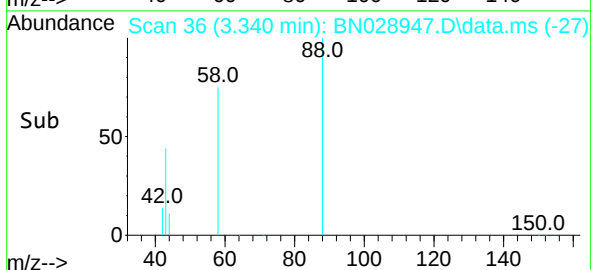
Tgt Ion:152 Resp: 4389
Ion Ratio Lower Upper
152 100
150 156.6 123.4 185.2
115 73.9 59.1 88.7



#2
1,4-Dioxane
Concen: 4.288 ng
RT: 3.340 min Scan# 36
Delta R.T. -0.036 min
Lab File: BN028947.D
Acq: 01 Dec 2023 14:53



Tgt Ion: 88 Resp: 18432
Ion Ratio Lower Upper
88 100
43 42.5 29.9 44.9
58 72.1 55.0 82.4





#4

2-Fluorophenol

Concen: 0.125 ng

RT: 5.420 min Scan# 31

Delta R.T. -0.029 min

Lab File: BN028947.D

Acq: 01 Dec 2023 14:53

Instrument :

BNA_N

ClientSampleId :

RE115D1-20231107

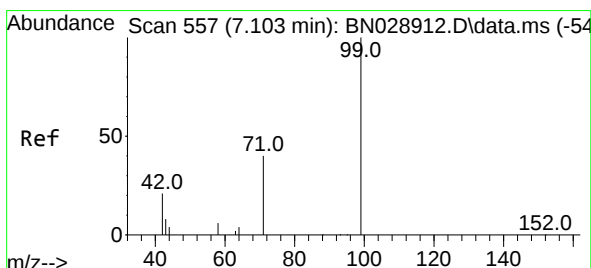
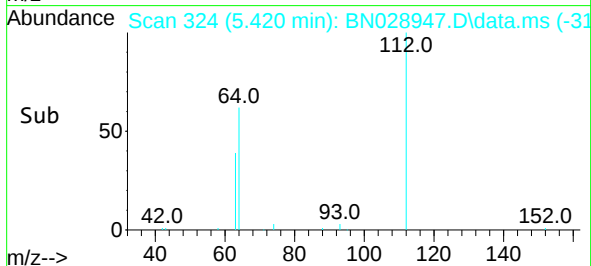
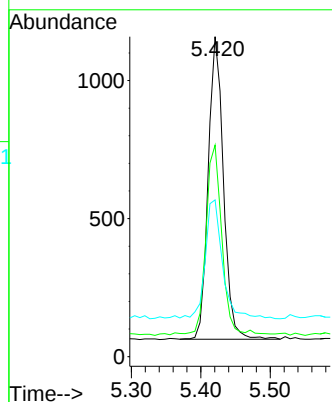
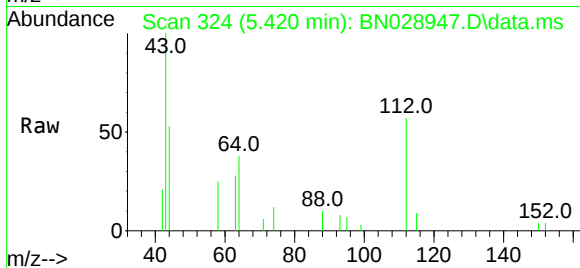
Tgt Ion:112 Resp: 1669

Ion Ratio Lower Upper

112 100

64 64.3 51.5 77.3

63 44.6 30.4 45.6



#5

Phenol-d6

Concen: 0.078 ng

RT: 7.017 min Scan# 545

Delta R.T. -0.029 min

Lab File: BN028947.D

Acq: 01 Dec 2023 14:53

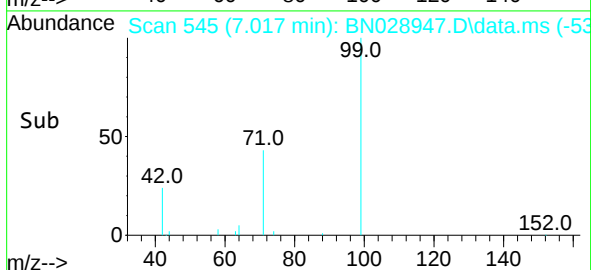
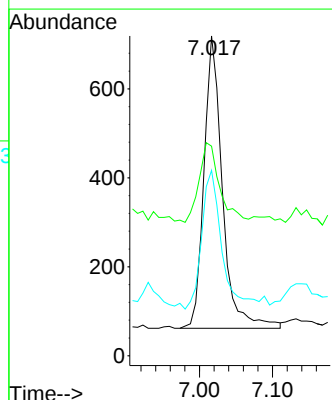
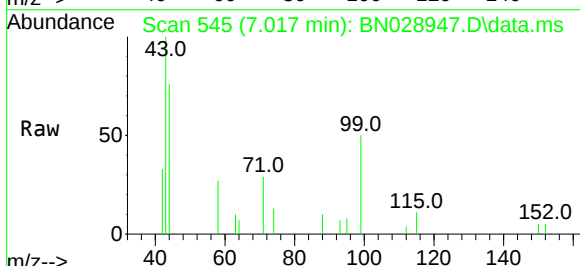
Tgt Ion: 99 Resp: 1152

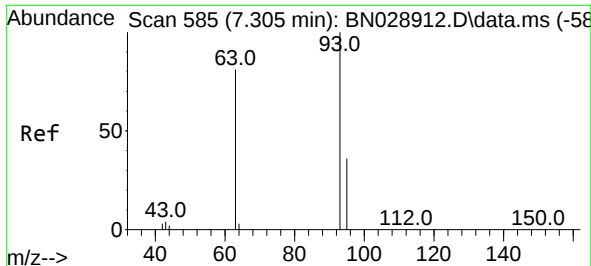
Ion Ratio Lower Upper

99 100

42 30.2 21.2 31.8

71 53.3 35.4 53.0#

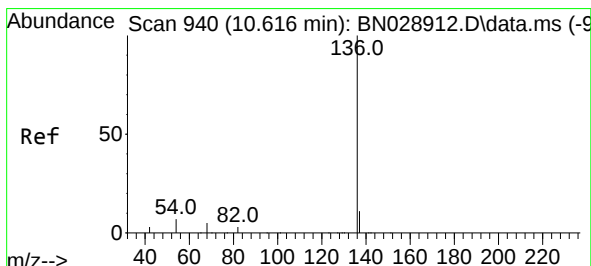
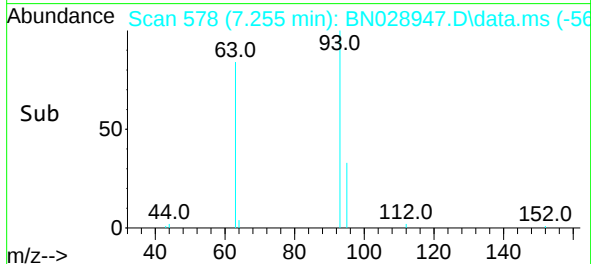
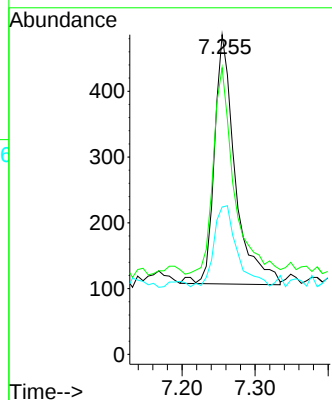
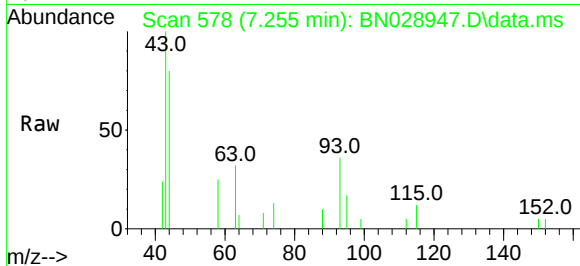




#6
bis(2-Chloroethyl)ether
Concen: 0.060 ng
RT: 7.255 min Scan# 51
Delta R.T. -0.022 min
Lab File: BN028947.D
Acq: 01 Dec 2023 14:53

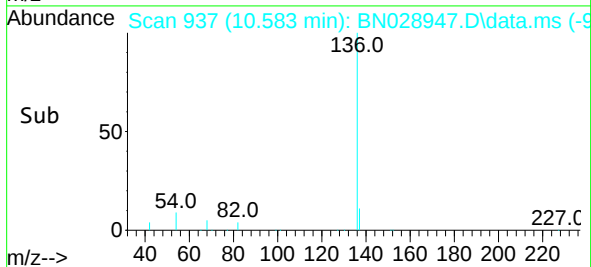
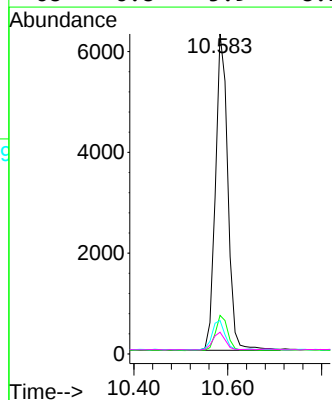
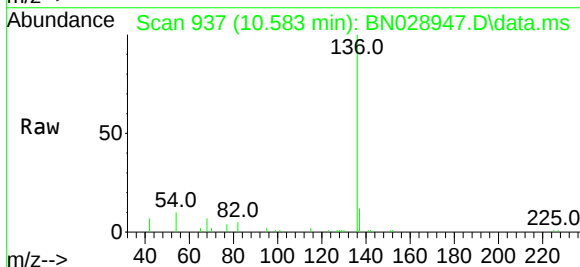
Instrument :
BNA_N
ClientSampleId :
RE115D1-20231107

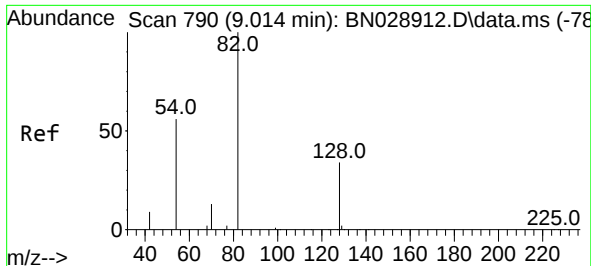
Tgt Ion: 93 Resp: 746
Ion Ratio Lower Upper
93 100
63 83.2 66.9 100.3
95 36.1 28.2 42.4



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.583 min Scan# 937
Delta R.T. -0.011 min
Lab File: BN028947.D
Acq: 01 Dec 2023 14:53

Tgt Ion:136 Resp: 11486
Ion Ratio Lower Upper
136 100
137 12.0 10.6 16.0
54 10.4 7.5 11.3
68 6.8 5.9 8.9

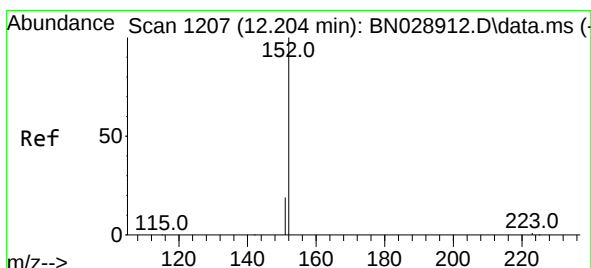
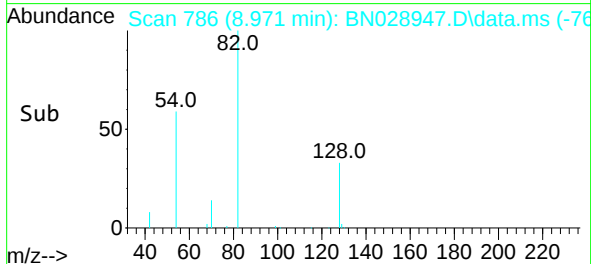
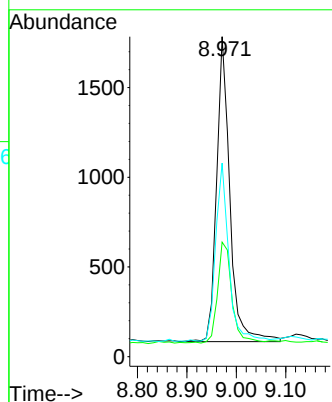
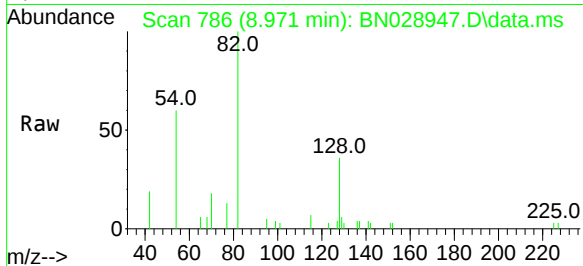




#8
Nitrobenzene-d5
Concen: 0.278 ng
RT: 8.971 min Scan# 71
Delta R.T. -0.011 min
Lab File: BN028947.D
Acq: 01 Dec 2023 14:53

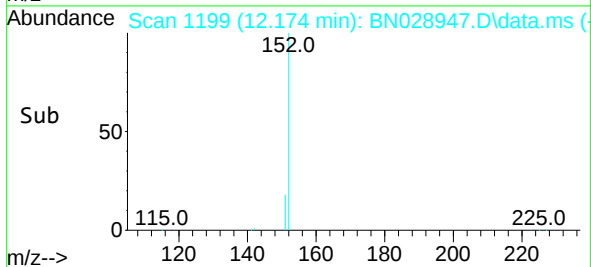
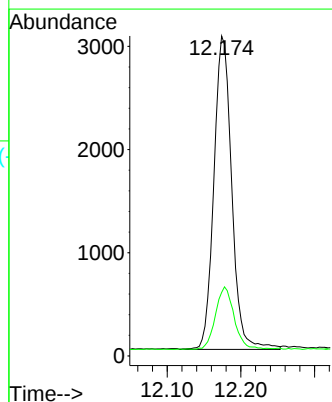
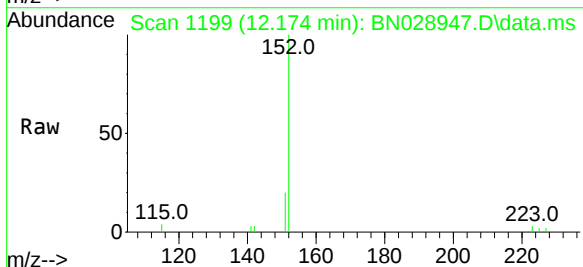
Instrument :
BNA_N
ClientSampleId :
RE115D1-20231107

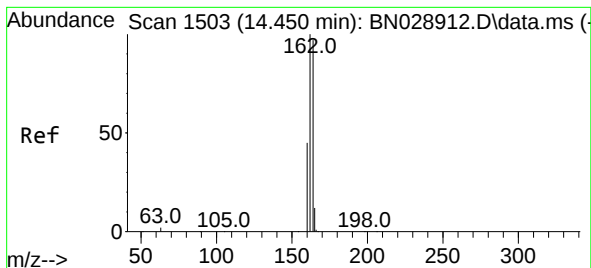
Tgt Ion: 82 Resp: 3177
Ion Ratio Lower Upper
82 100
128 35.8 29.2 43.8
54 60.5 47.0 70.6



#11
2-Methylnaphthalene-d10
Concen: 0.278 ng
RT: 12.174 min Scan# 1199
Delta R.T. -0.011 min
Lab File: BN028947.D
Acq: 01 Dec 2023 14:53

Tgt Ion: 152 Resp: 5119
Ion Ratio Lower Upper
152 100
151 20.8 16.7 25.1





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.428 min Scan# 1501

Delta R.T. -0.000 min

Lab File: BN028947.D

Acq: 01 Dec 2023 14:53

Instrument :

BNA_N

ClientSampleId :

RE115D1-20231107

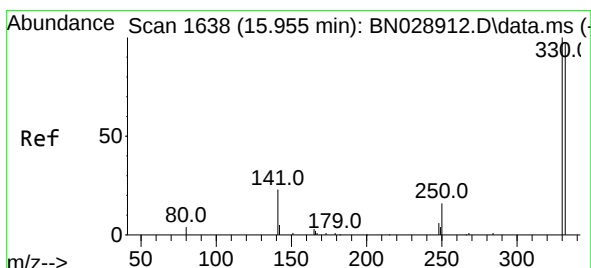
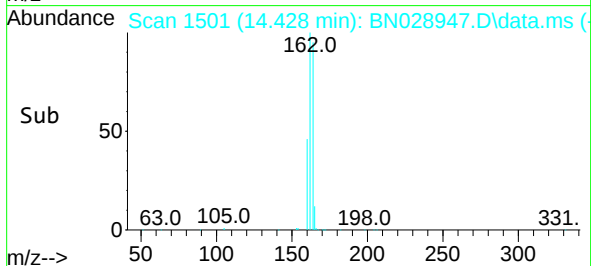
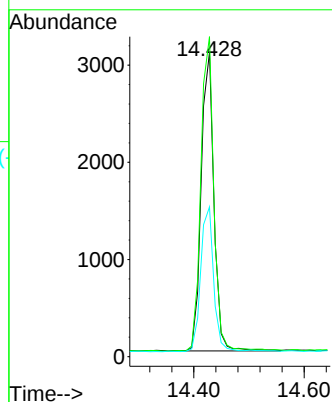
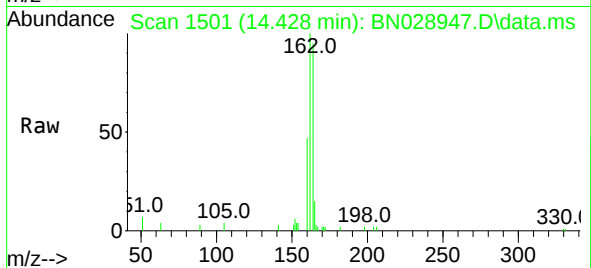
Tgt Ion:164 Resp: 4938

Ion Ratio Lower Upper

164 100

162 105.1 81.7 122.5

160 49.2 37.0 55.6



#14

2,4,6-Tribromophenol

Concen: 0.151 ng

RT: 15.930 min Scan# 1636

Delta R.T. -0.000 min

Lab File: BN028947.D

Acq: 01 Dec 2023 14:53

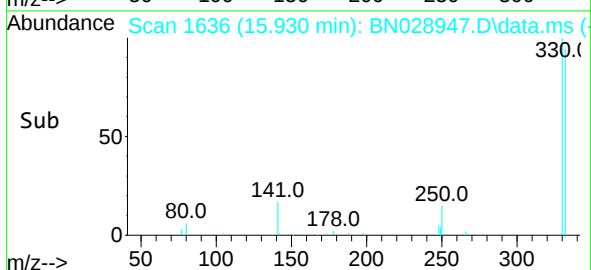
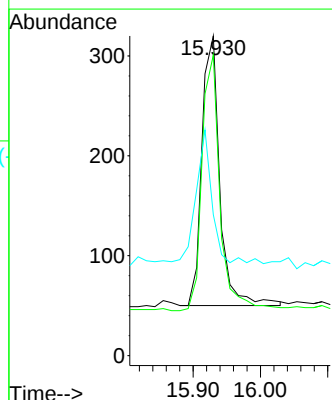
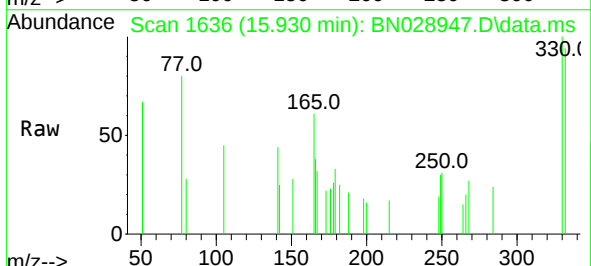
Tgt Ion:330 Resp: 503

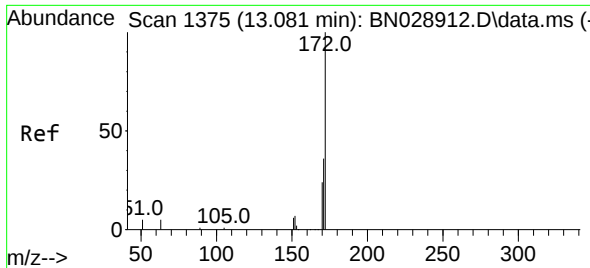
Ion Ratio Lower Upper

330 100

332 95.2 75.4 113.2

141 44.3 35.7 53.5

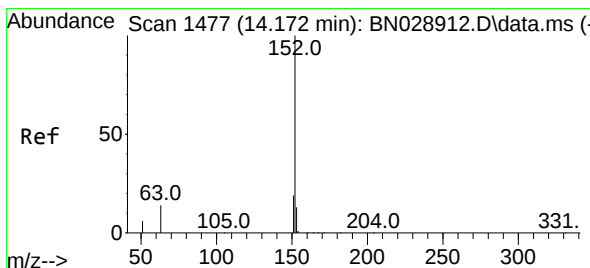
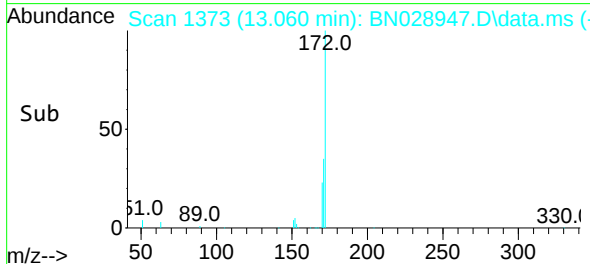
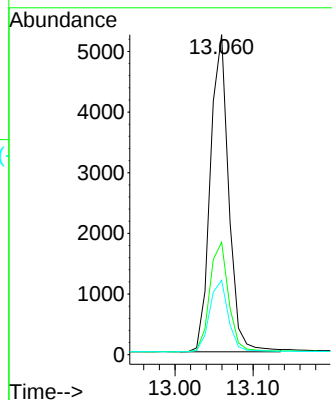
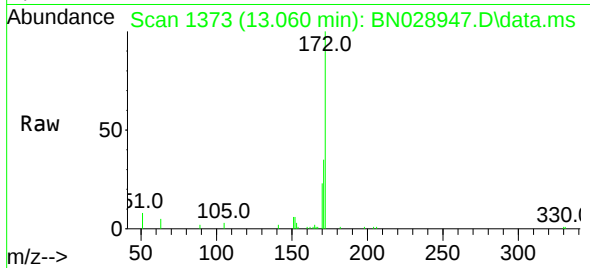




#15
2-Fluorobiphenyl
Concen: 0.400 ng
RT: 13.060 min Scan# 11
Delta R.T. -0.011 min
Lab File: BN028947.D
Acq: 01 Dec 2023 14:53

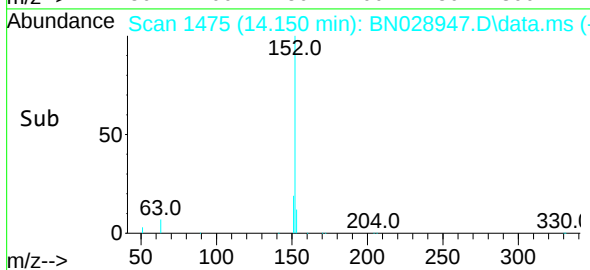
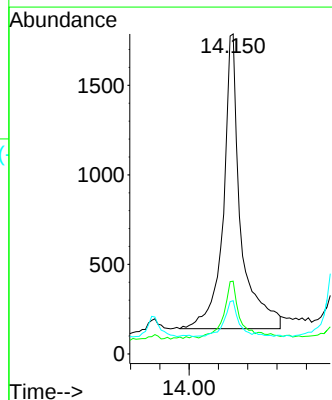
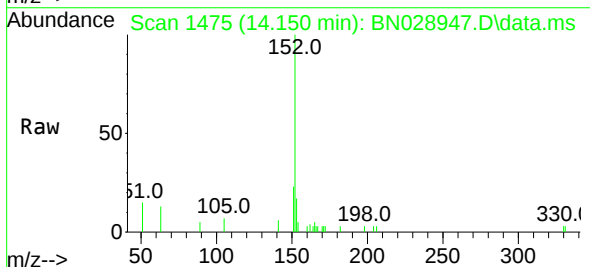
Instrument :
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RE115D1-20231107

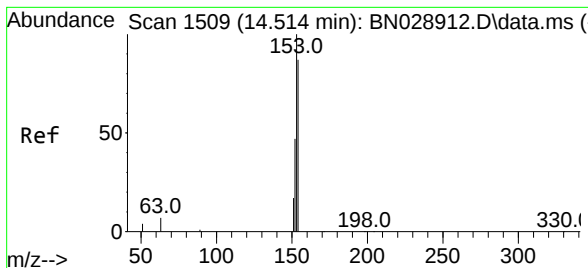
Tgt Ion:172 Resp: 8520
Ion Ratio Lower Upper
172 100
171 35.2 29.0 43.4
170 23.3 19.7 29.5



#16
Acenaphthylene
Concen: 0.259 ng
RT: 14.150 min Scan# 1475
Delta R.T. -0.000 min
Lab File: BN028947.D
Acq: 01 Dec 2023 14:53

Tgt Ion:152 Resp: 6773
Ion Ratio Lower Upper
152 100
151 18.5 15.9 23.9
153 10.3 10.8 16.2#





#17

Acenaphthene

Concen: 0.045 ng

RT: 14.482 min Scan# 1506

Delta R.T. -0.011 min

Lab File: BN028947.D

Acq: 01 Dec 2023 14:53

Instrument :

BNA_N

ClientSampleId :

RE115D1-20231107

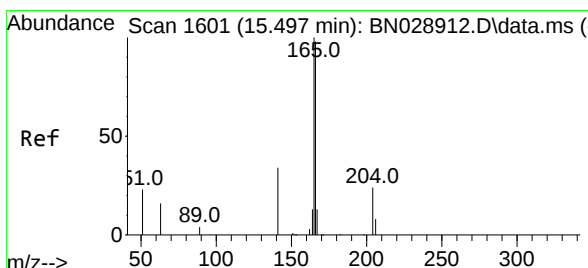
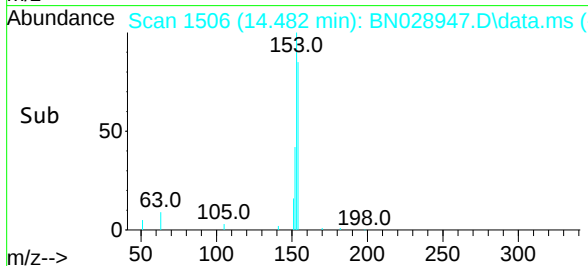
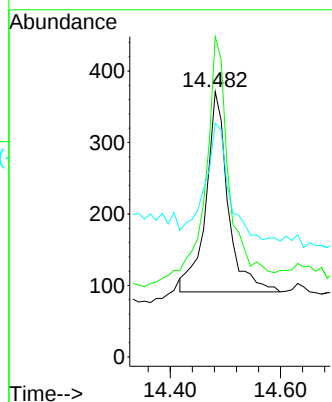
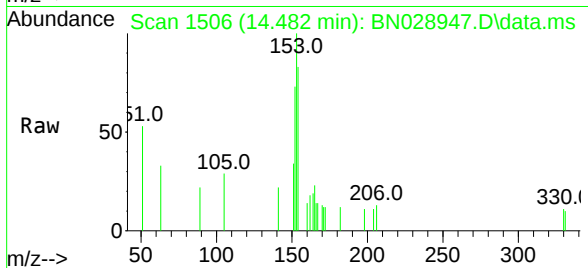
Tgt Ion:154 Resp: 780

Ion Ratio Lower Upper

154 100

153 110.5 93.8 140.6

152 60.1 44.5 66.7



#18

Fluorene

Concen: 0.038 ng

RT: 15.520 min Scan# 1603

Delta R.T. 0.034 min

Lab File: BN028947.D

Acq: 01 Dec 2023 14:53

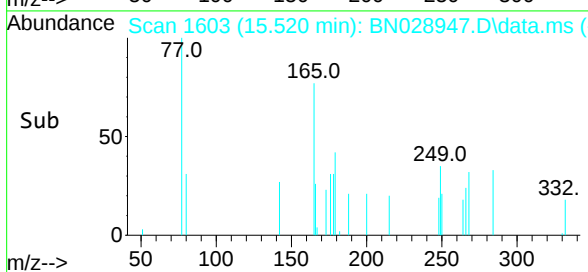
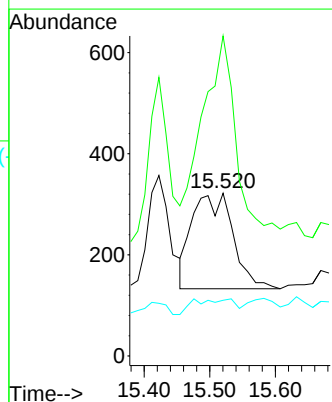
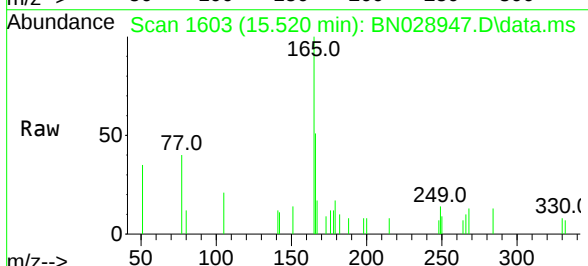
Tgt Ion:166 Resp: 838

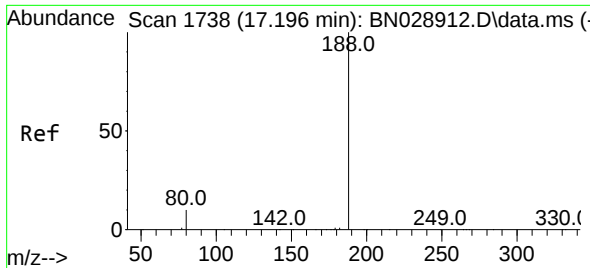
Ion Ratio Lower Upper

166 100

165 164.0 79.4 119.2#

167 0.0 11.0 16.4#

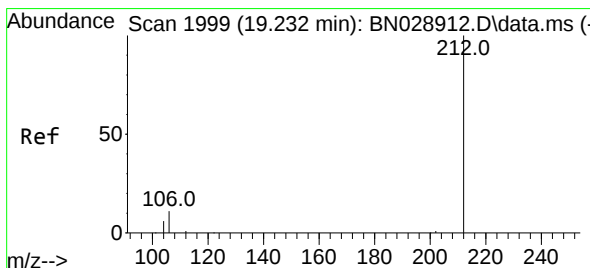
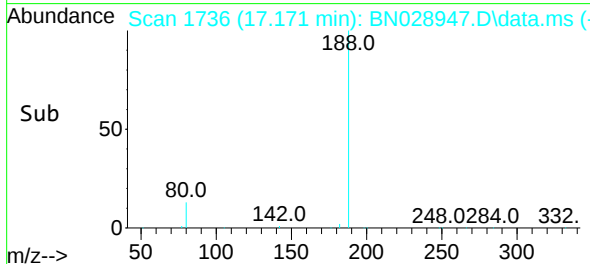
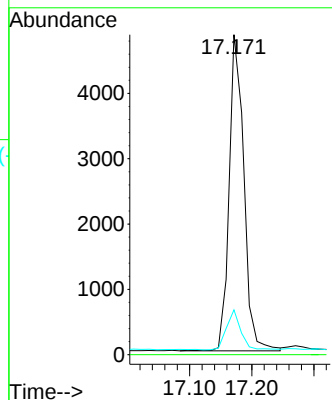
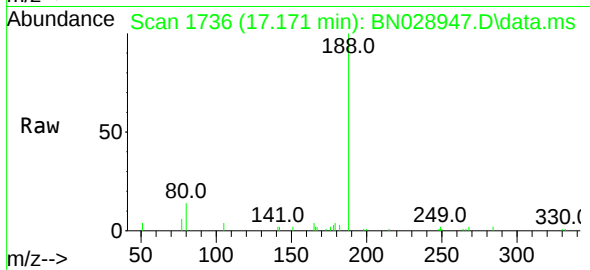




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.171 min Scan# 1736
Delta R.T. -0.013 min
Lab File: BN028947.D
Acq: 01 Dec 2023 14:53

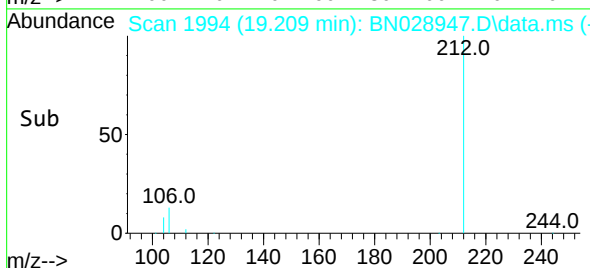
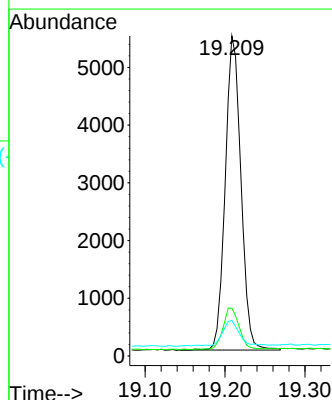
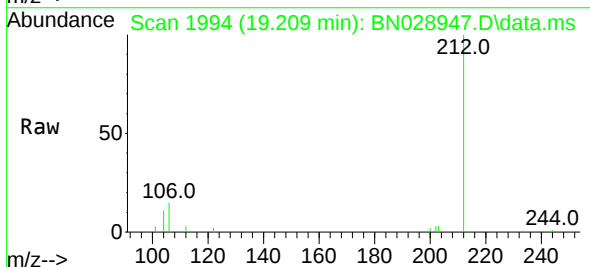
Instrument :
BNA_N
ClientSampleId :
RE115D1-20231107

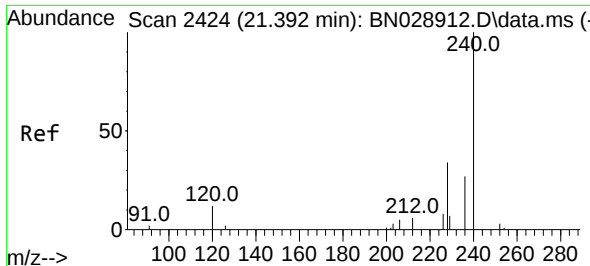
Tgt Ion:188 Resp: 7944
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 14.0 9.0 13.6#



#27
Fluoranthene-d10
Concen: 0.357 ng
RT: 19.209 min Scan# 1994
Delta R.T. -0.005 min
Lab File: BN028947.D
Acq: 01 Dec 2023 14:53

Tgt Ion:212 Resp: 7450
Ion Ratio Lower Upper
212 100
106 13.6 9.4 14.2
104 8.6 6.2 9.2

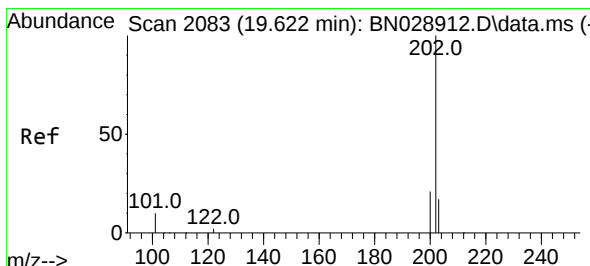
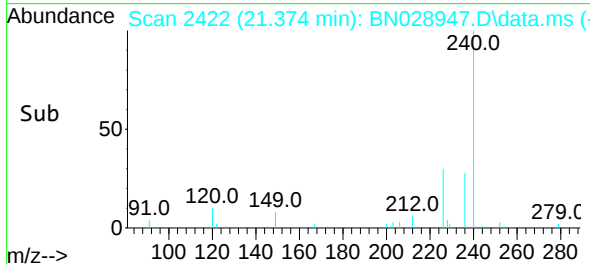
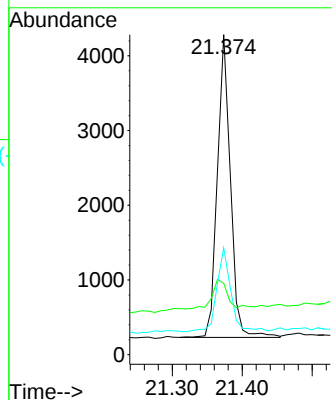
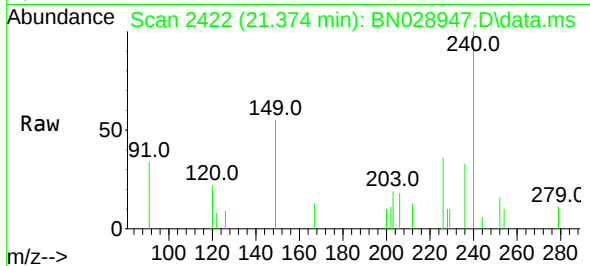




#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.374 min Scan# 2422
Delta R.T. -0.000 min
Lab File: BN028947.D
Acq: 01 Dec 2023 14:53

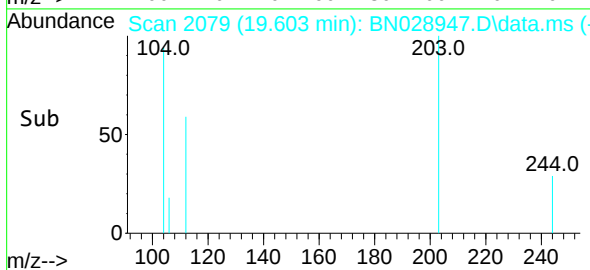
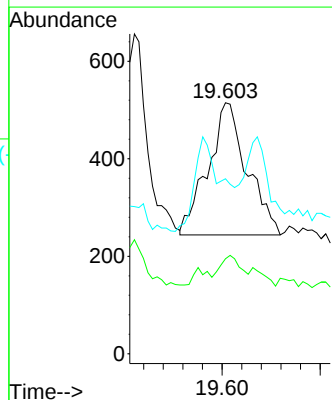
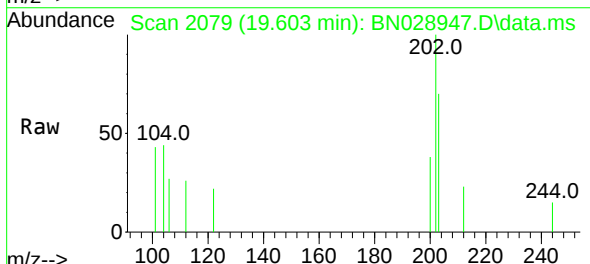
Instrument :
BNA_N
ClientSampleId :
RE115D1-20231107

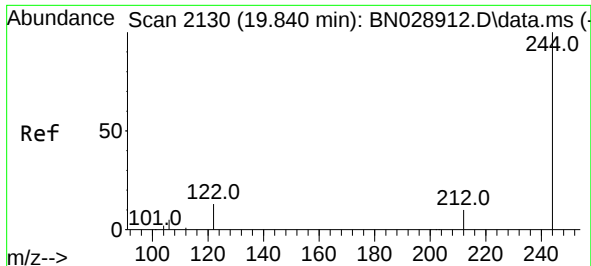
Tgt Ion:240 Resp: 5233
Ion Ratio Lower Upper
240 100
120 22.3 37.1 55.7#
236 33.4 32.4 48.6



#30
Pyrene
Concen: 0.113 ng
RT: 19.603 min Scan# 2079
Delta R.T. -0.005 min
Lab File: BN028947.D
Acq: 01 Dec 2023 14:53

Tgt Ion:202 Resp: 751
Ion Ratio Lower Upper
202 100
200 7.5 16.9 25.3#
203 0.0 14.8 22.2#

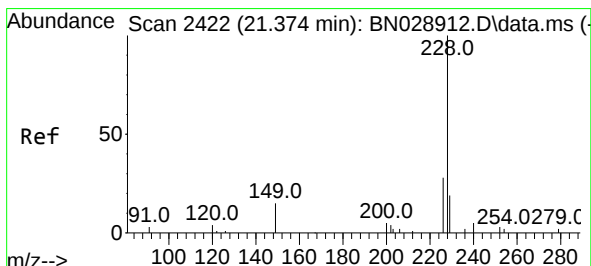
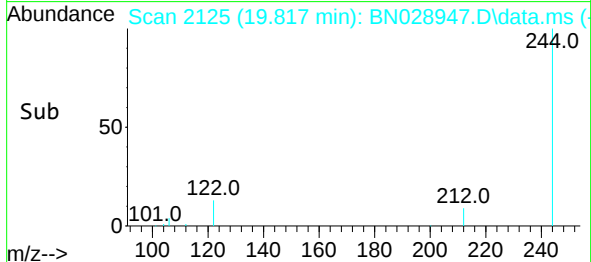
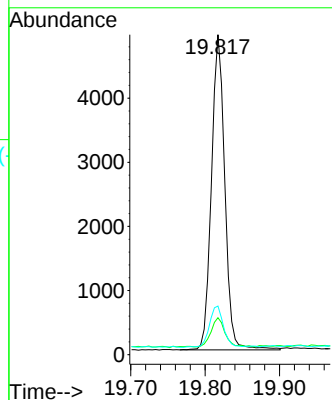
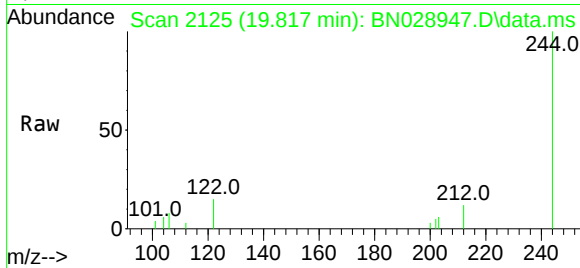




#31
 Terphenyl-d14
 Concen: 0.407 ng
 RT: 19.817 min Scan# 2130
 Delta R.T. -0.005 min
 Lab File: BN028947.D
 Acq: 01 Dec 2023 14:53

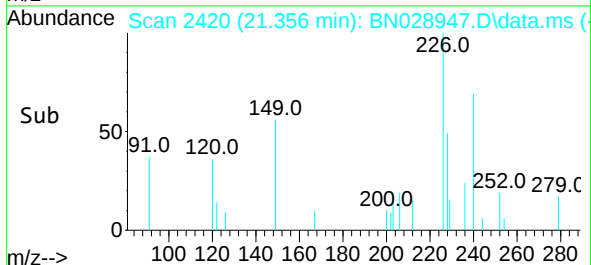
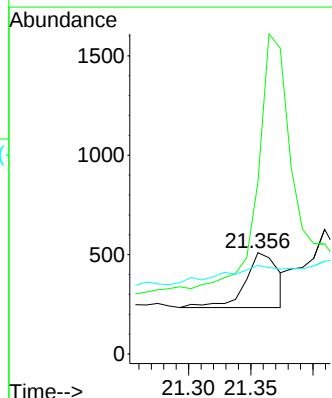
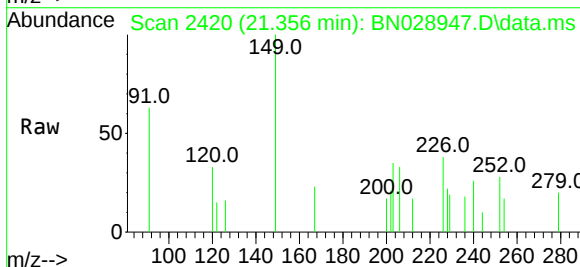
Instrument :
 BNA_N
 ClientSampleId :
 RE115D1-20231107

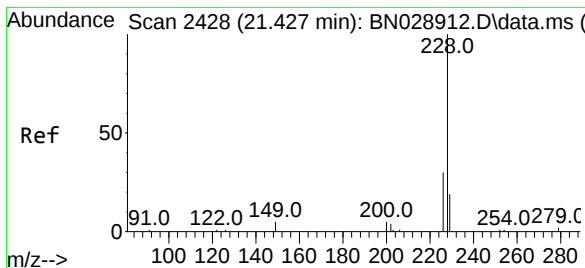
Tgt Ion:244	Resp:	6127
Ion Ratio	Lower	Upper
244	100	
212	11.5	11.5 17.3
122	15.2	13.2 19.8



#32
 Benzo(a)anthracene
 Concen: 0.023 ng
 RT: 21.356 min Scan# 2420
 Delta R.T. -0.000 min
 Lab File: BN028947.D
 Acq: 01 Dec 2023 14:53

Tgt Ion:228	Resp:	512
Ion Ratio	Lower	Upper
228	100	
226	169.8	26.5 39.7#
229	87.3	16.4 24.6#





#33

Chrysene

Concen: 0.026 ng

RT: 21.409 min Scan# 2426

Delta R.T. -0.000 min

Lab File: BN028947.D

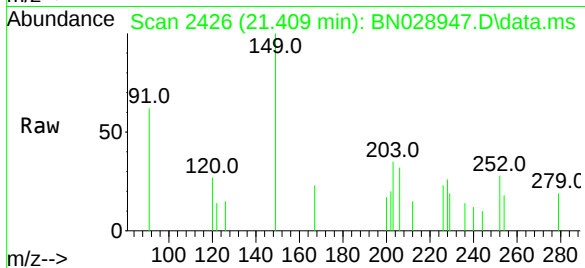
Acq: 01 Dec 2023 14:53

Instrument :

BNA_N

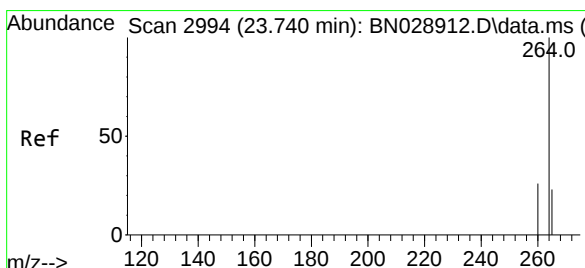
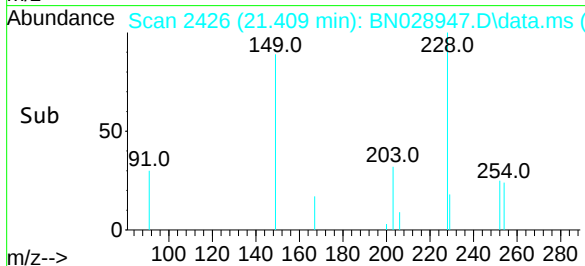
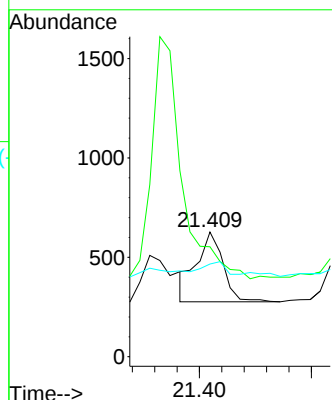
ClientSampleId :

RE115D1-20231107



Tgt Ion:228 Resp: 577

Ion	Ratio	Lower	Upper
228	100		
226	88.2	28.3	42.5#
229	74.3	16.4	24.6#



#35

Perylene-d12

Concen: 0.400 ng

RT: 23.710 min Scan# 2984

Delta R.T. -0.003 min

Lab File: BN028947.D

Acq: 01 Dec 2023 14:53

Tgt Ion:264 Resp: 5227

Ion	Ratio	Lower	Upper
264	100		
260	29.8	20.6	30.8
265	132.6	464.5	696.7#

