

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)

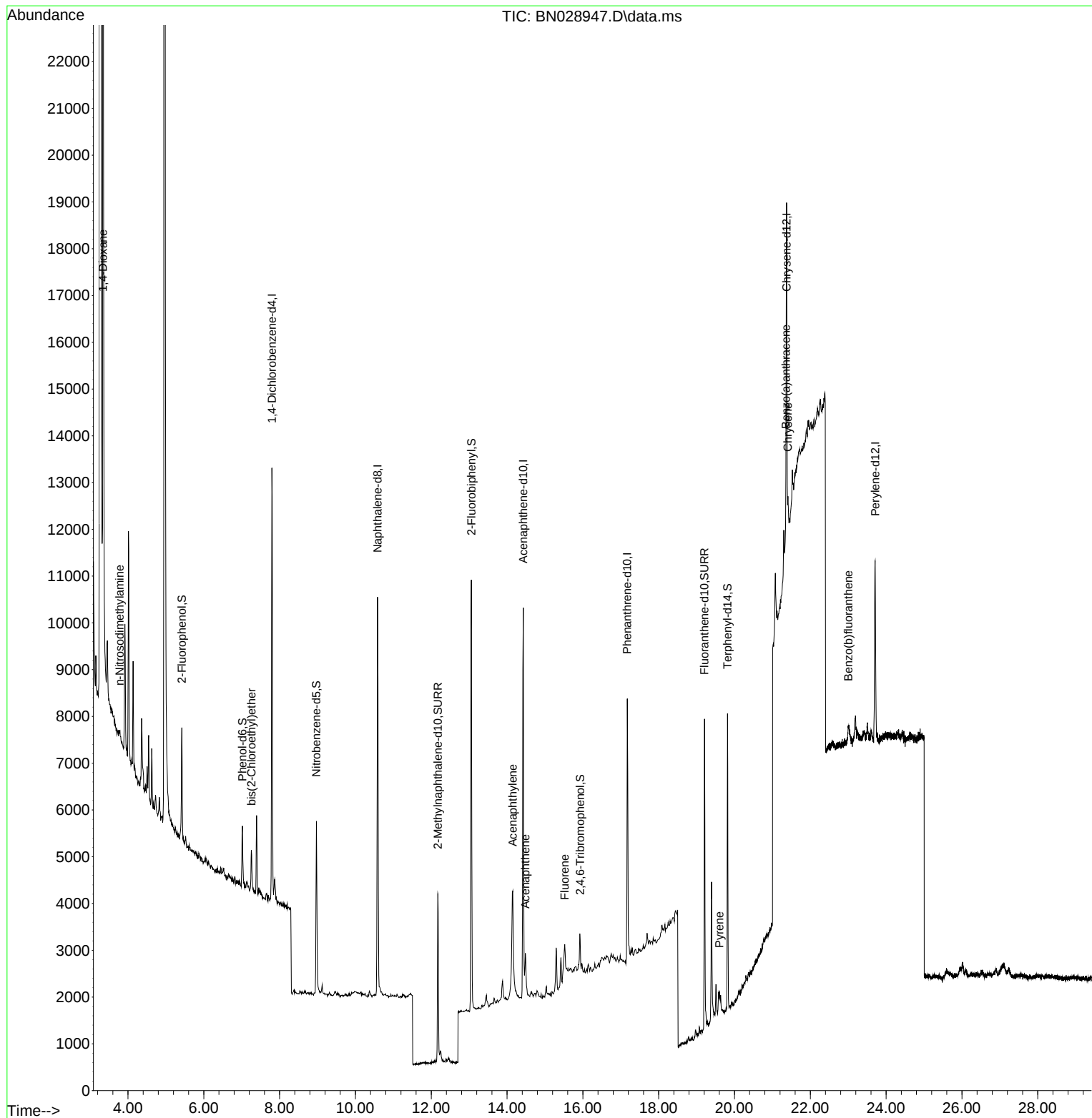
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.797	152	4389	0.400	ng	-0.01
7) Naphthalene-d8	10.583	136	11486	0.400	ng	-0.01
13) Acenaphthene-d10	14.428	164	4938	0.400	ng	0.00
19) Phenanthrene-d10	17.171	188	7944	0.400	ng	#-0.01
29) Chrysene-d12	21.374	240	5233	0.400	ng	# 0.00
35) Perylene-d12	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
3) n-Nitrosodimethylamine	3.781	42	94	0.105	ng	# 14
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
34) Bis(2-ethylhexyl)phtha...	21.302	149	1362	Below Cal		# 98
37) Benzo(b)fluoranthene	23.003	252	809	0.038	ng	# 51

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

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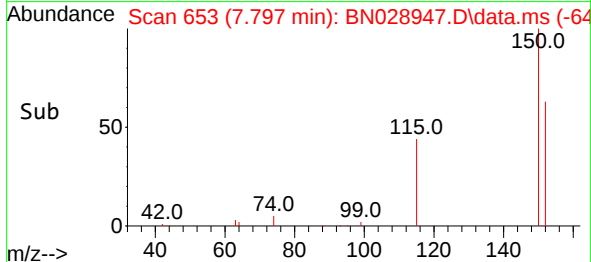
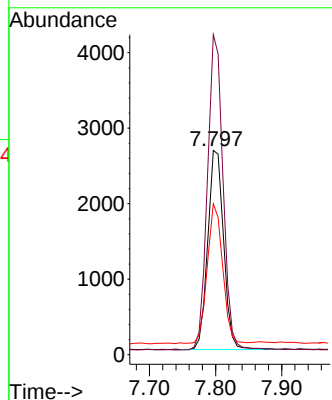
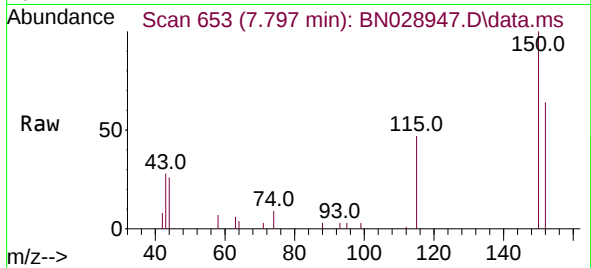




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.797 min Scan# 61
 Delta R.T. -0.014 min
 Lab File: BN028947.D
 Acq: 01 Dec 2023 14:53

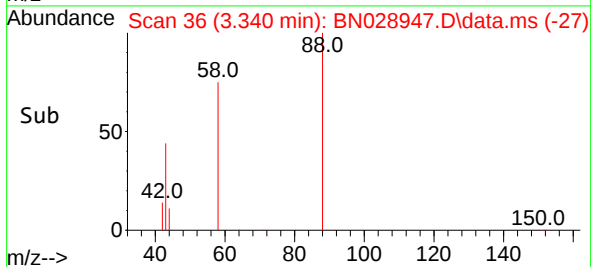
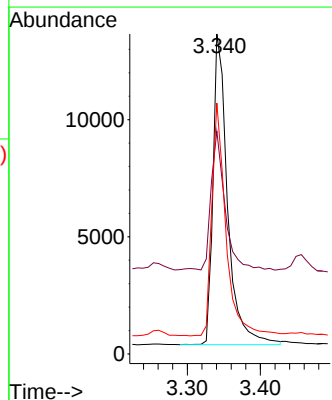
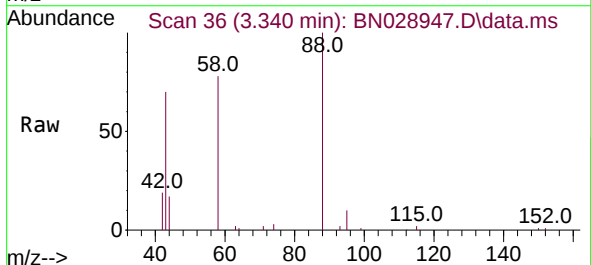
Instrument :
 BNA_N
 ClientSampleId :
 RE115D1-20231107

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

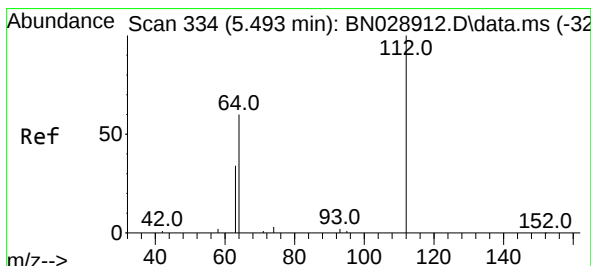
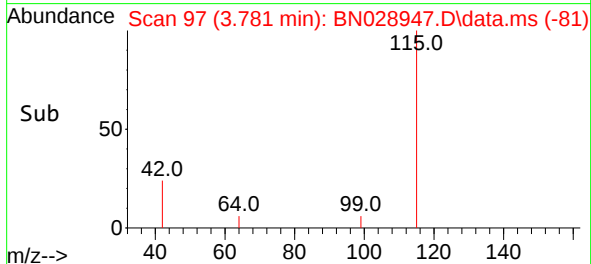
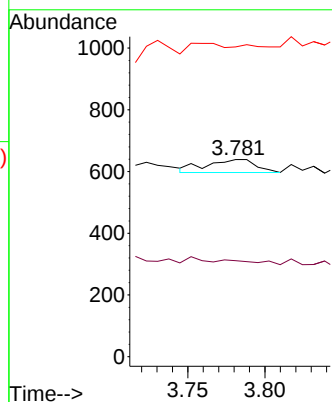
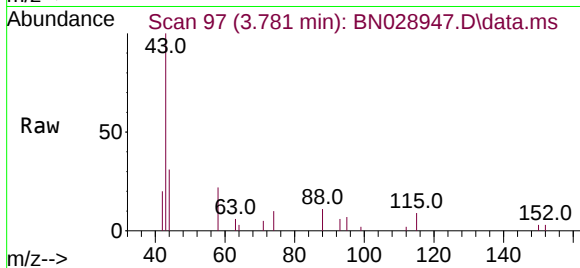




#3
n-Nitrosodimethylamine
Concen: 0.105 ng
RT: 3.781 min Scan# 91
Delta R.T. 0.014 min
Lab File: BN028947.D
Acq: 01 Dec 2023 14:53

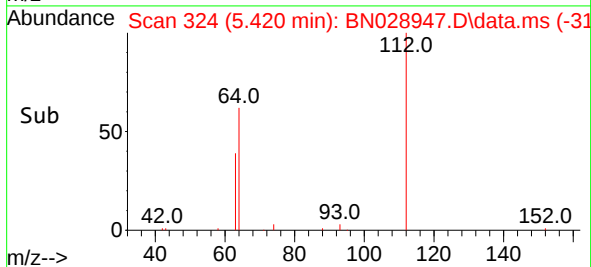
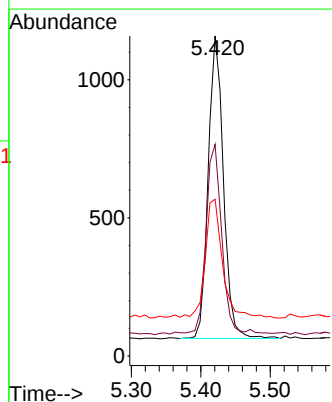
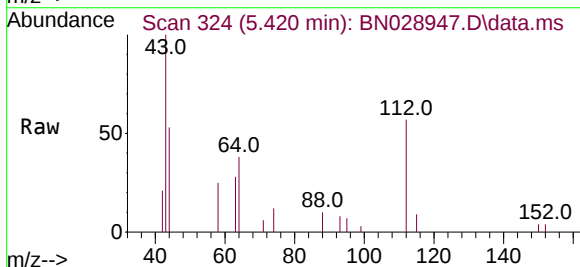
Instrument :
BNA_N
ClientSampleId :
RE115D1-20231107

Tgt Ion: 42 Resp: 94
Ion Ratio Lower Upper
42 100
74 0.0 57.0 85.6#
44 0.0 0.0 0.0



#4
2-Fluorophenol
Concen: 0.125 ng
RT: 5.420 min Scan# 324
Delta R.T. -0.029 min
Lab File: BN028947.D
Acq: 01 Dec 2023 14:53

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

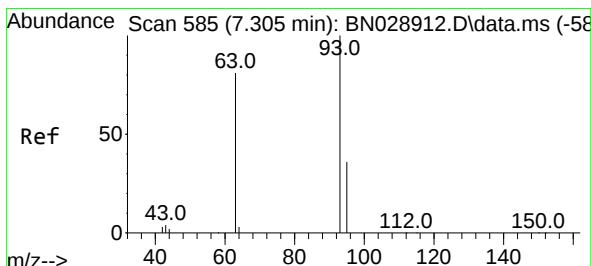
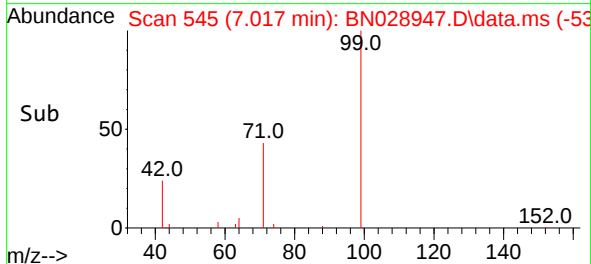
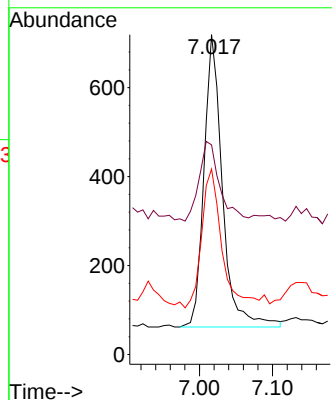
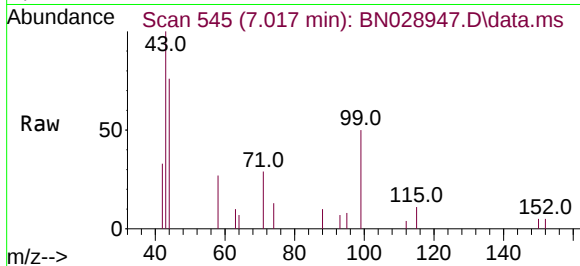




#5
Phenol-d6
Concen: 0.078 ng
RT: 7.017 min Scan# 54
Delta R.T. -0.029 min
Lab File: BN028947.D
Acq: 01 Dec 2023 14:53

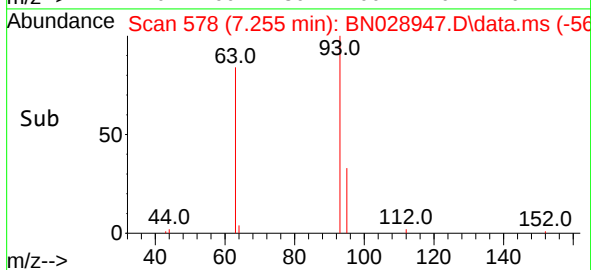
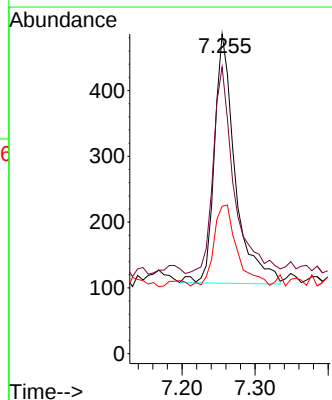
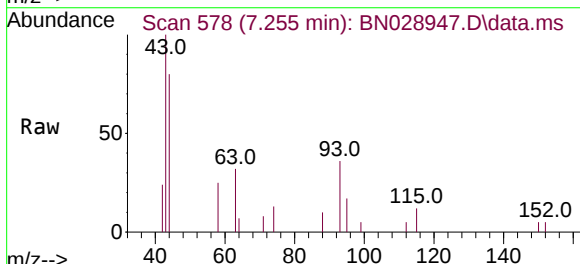
Instrument :
BNA_N
ClientSampleId :
RE115D1-20231107

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# 578
Delta R.T. -0.022 min
Lab File: BN028947.D
Acq: 01 Dec 2023 14:53

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

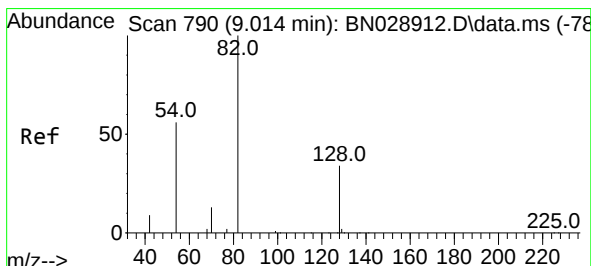
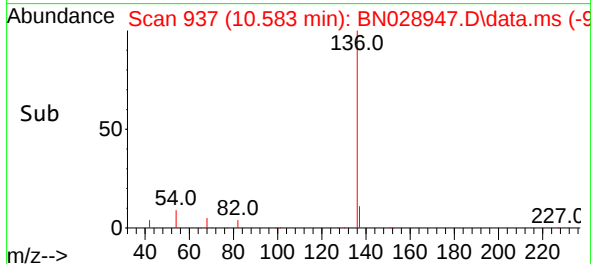
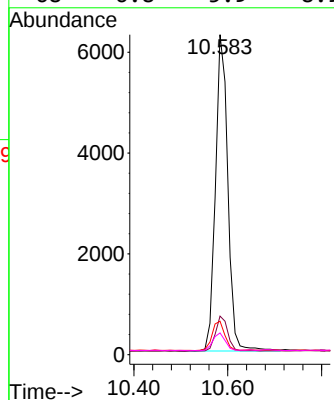
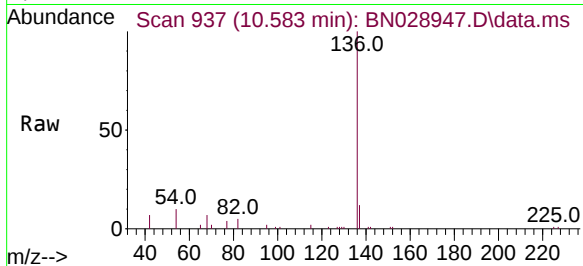




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.583 min Scan# 911
Delta R.T. -0.011 min
Lab File: BN028947.D
Acq: 01 Dec 2023 14:53

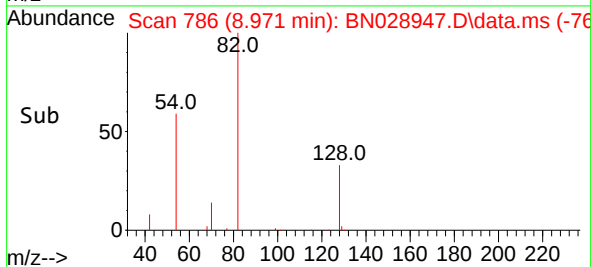
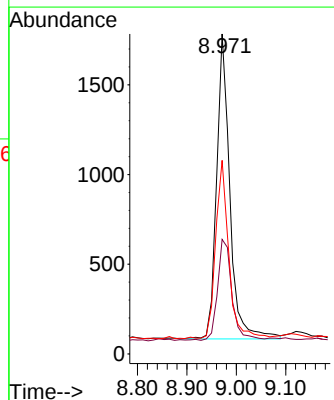
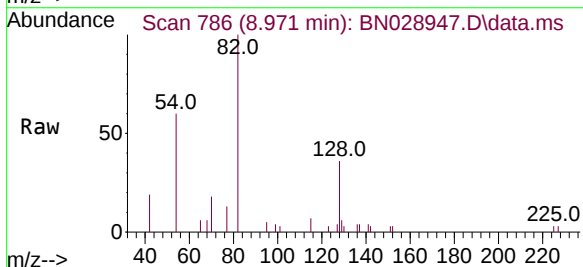
Instrument :
BNA_N
ClientSampleId :
RE115D1-20231107

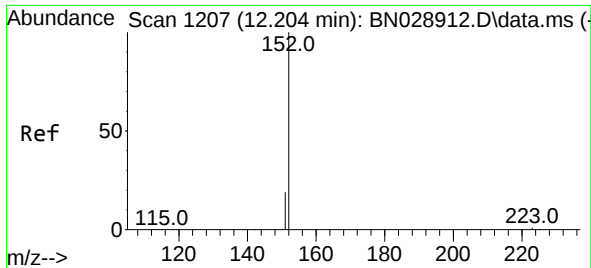
Tgt Ion:	136	Resp:	11486
Ion	Ratio	Lower	Upper
136	100		
137	12.0	10.6	16.0
54	10.4	7.5	11.3
68	6.8	5.9	8.9



#8
Nitrobenzene-d5
Concen: 0.278 ng
RT: 8.971 min Scan# 786
Delta R.T. -0.011 min
Lab File: BN028947.D
Acq: 01 Dec 2023 14:53

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

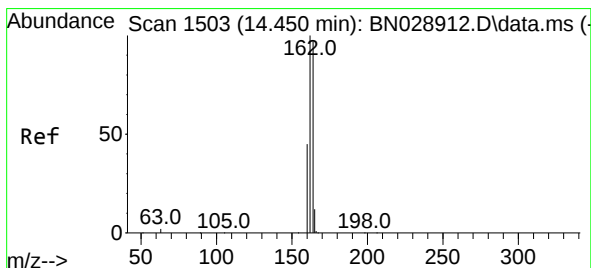
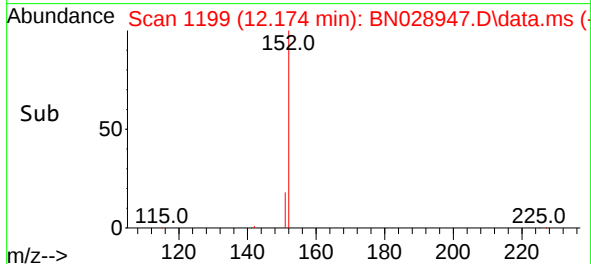
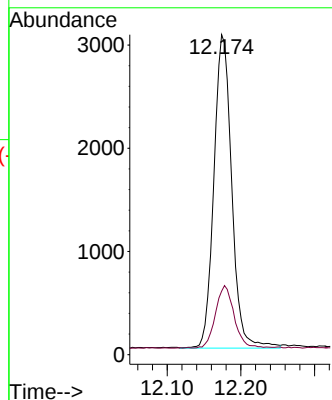
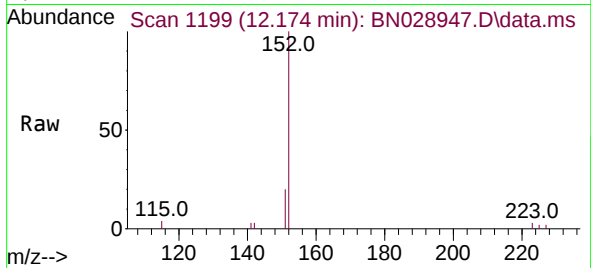




#11
2-Methylnaphthalene-d10
Concen: 0.278 ng
RT: 12.174 min Scan# 1119
Delta R.T. -0.011 min
Lab File: BN028947.D
Acq: 01 Dec 2023 14:53

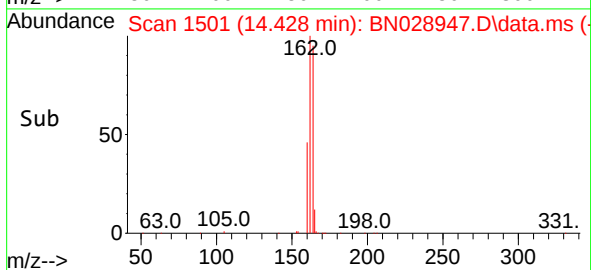
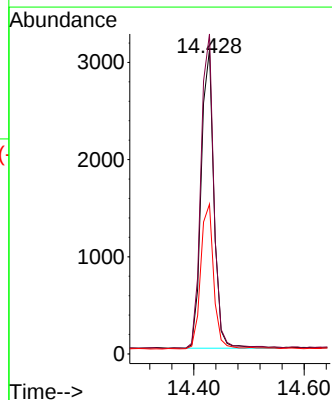
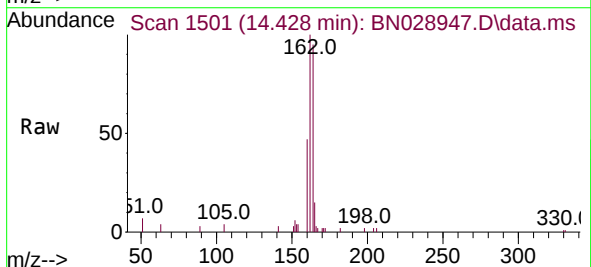
Instrument :
BNA_N
ClientSampleId :
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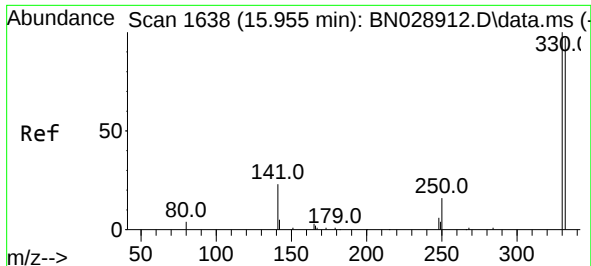
Tgt Ion:152 Resp: 5119
Ion Ratio Lower Upper
152 100
151 20.8 16.7 25.1



#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

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

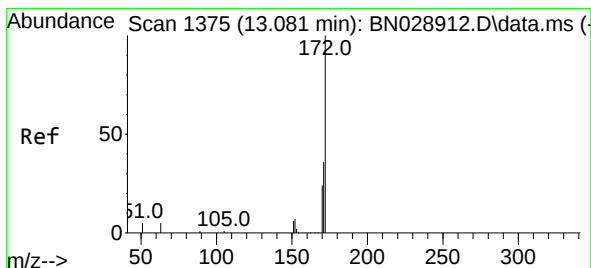
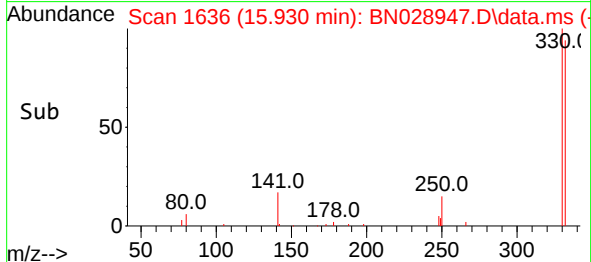
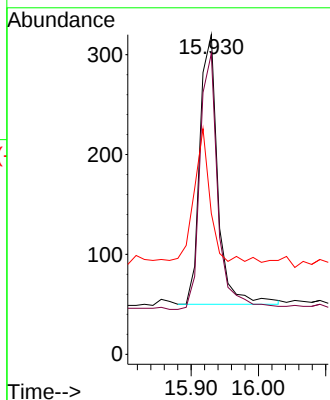
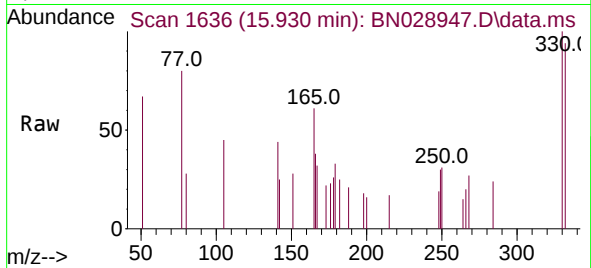




#14
2,4,6-Tribromophenol
Concen: 0.151 ng
RT: 15.930 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN028947.D
Acq: 01 Dec 2023 14:53

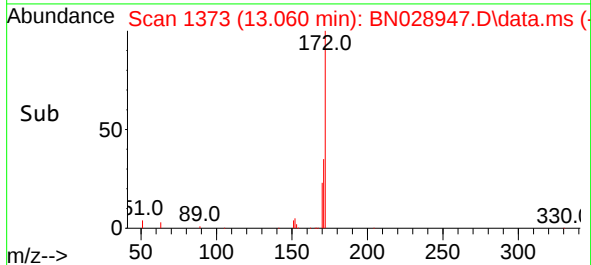
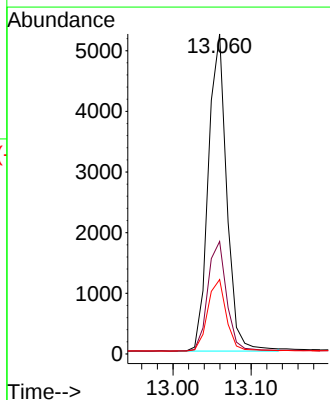
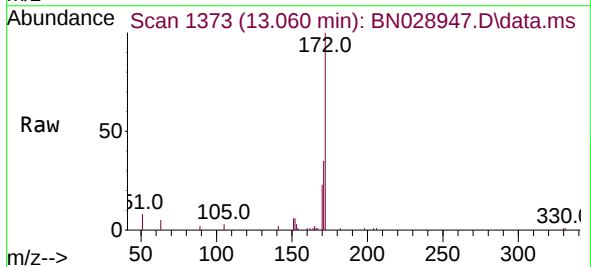
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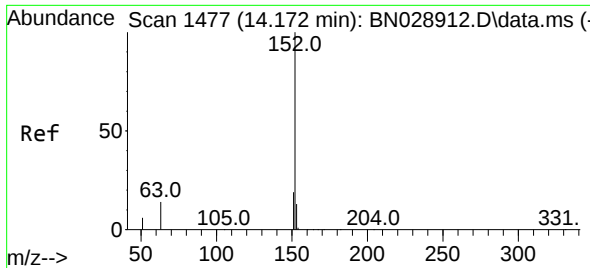
Tgt Ion:330 Resp: 503
Ion Ratio Lower Upper
330 100
332 95.2 75.4 113.2
141 44.3 35.7 53.5



#15
2-Fluorobiphenyl
Concen: 0.400 ng
RT: 13.060 min Scan# 1373
Delta R.T. -0.011 min
Lab File: BN028947.D
Acq: 01 Dec 2023 14:53

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

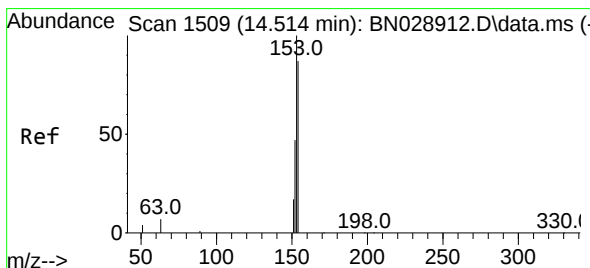
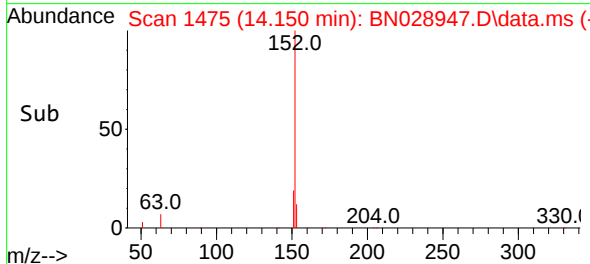
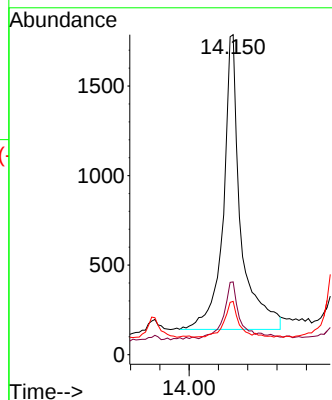
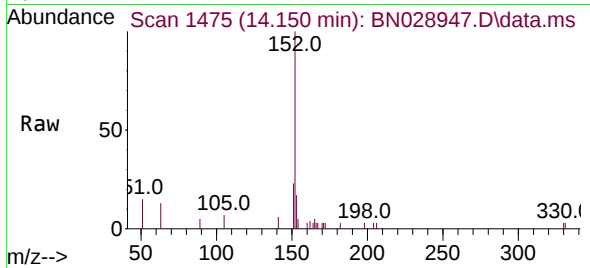




#16
Acenaphthylene
Concen: 0.259 ng
RT: 14.150 min Scan# 1475
Delta R.T. -0.000 min
Lab File: BN028947.D
Acq: 01 Dec 2023 14:53

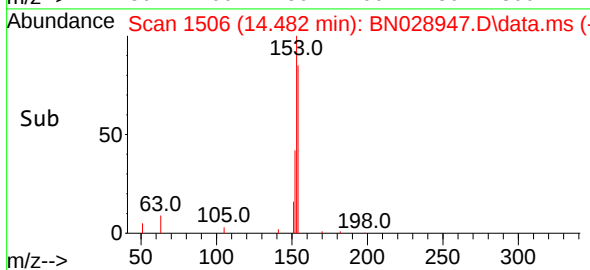
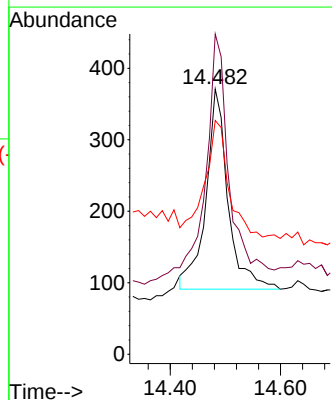
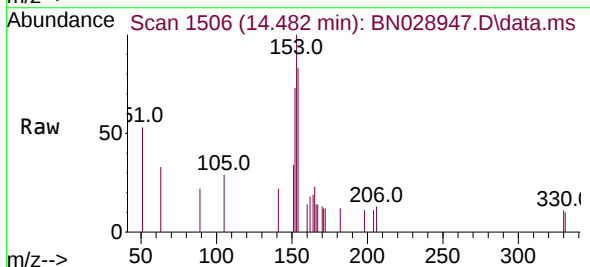
Instrument :
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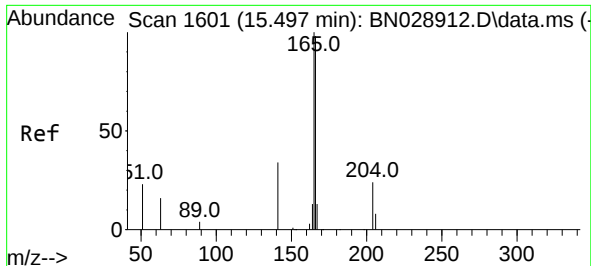
Tgt Ion:152 Resp: 6773
Ion Ratio Lower Upper
152 100
151 18.5 15.9 23.9
153 10.3 10.8 16.2#



#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

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

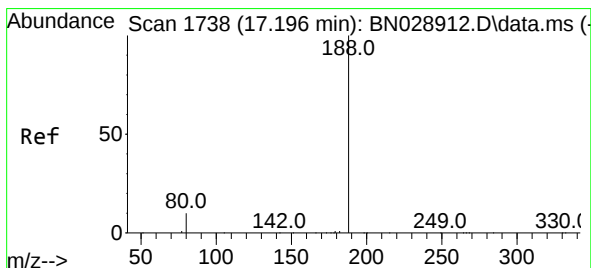
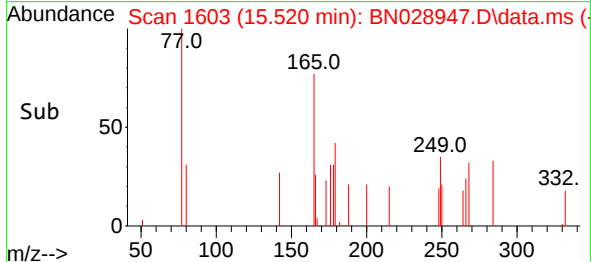
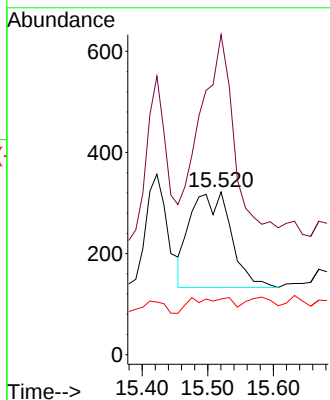
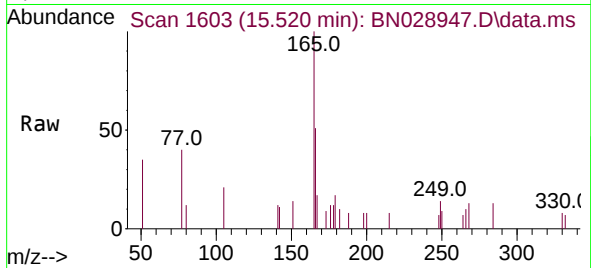




#18
Fluorene
Concen: 0.038 ng
RT: 15.520 min Scan# 1603
Delta R.T. 0.034 min
Lab File: BN028947.D
Acq: 01 Dec 2023 14:53

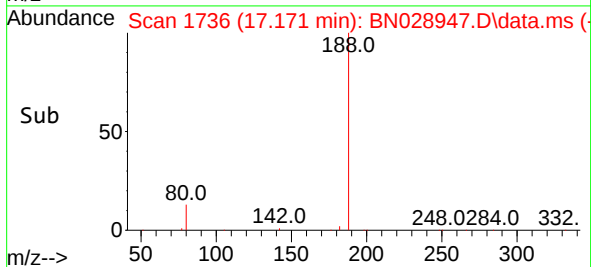
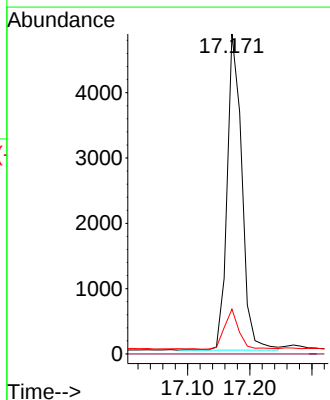
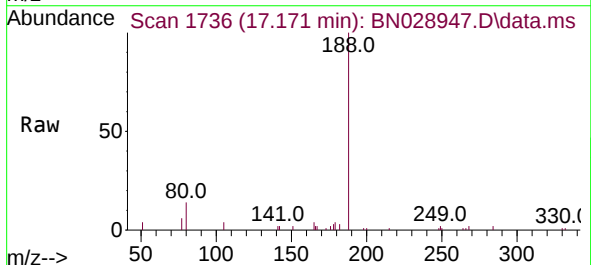
Instrument :
BNA_N
ClientSampleId :
RE115D1-20231107

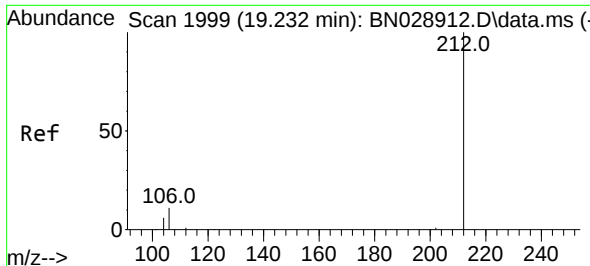
Tgt Ion:166 Resp: 838
Ion Ratio Lower Upper
166 100
165 164.0 79.4 119.2#
167 0.0 11.0 16.4#



#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

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#

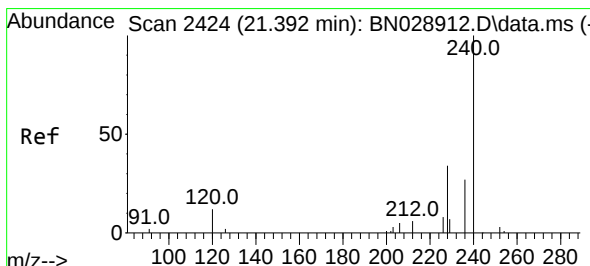
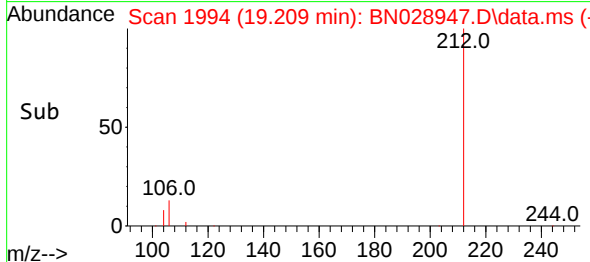
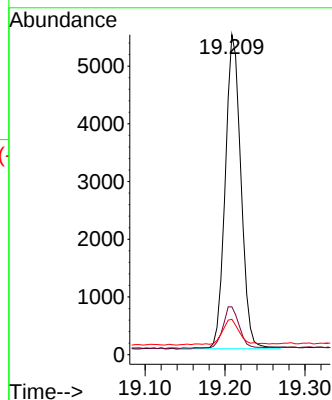
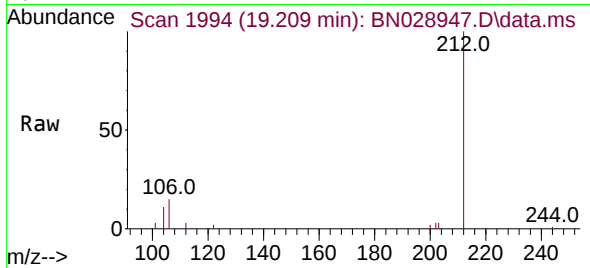




#27
Fluoranthene-d10
Concen: 0.357 ng
RT: 19.209 min Scan# 1994
Delta R.T. -0.005 min
Lab File: BN028947.D
Acq: 01 Dec 2023 14:53

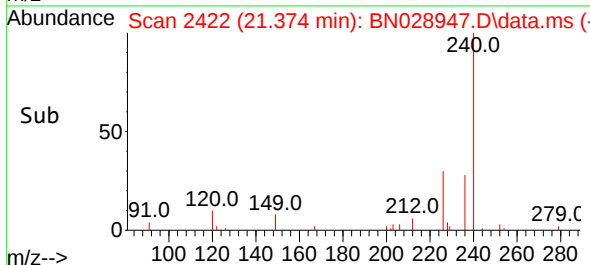
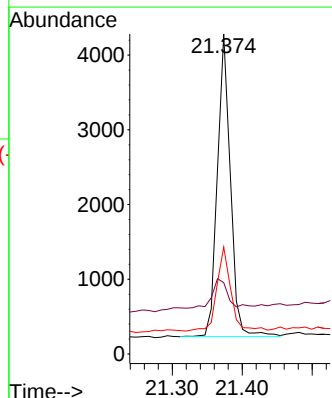
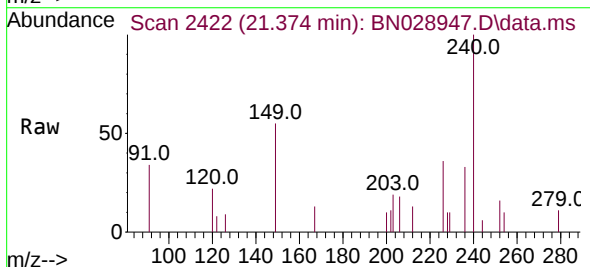
Instrument :
BNA_N
ClientSampleId :
RE115D1-20231107

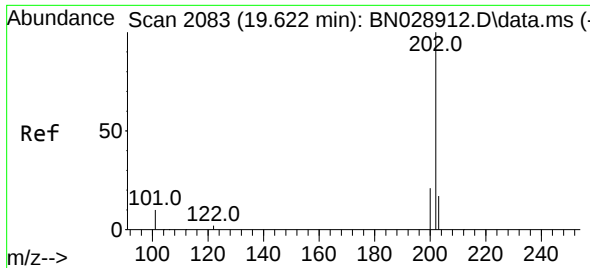
Tgt Ion:212 Resp: 7450
Ion Ratio Lower Upper
212 100
106 13.6 9.4 14.2
104 8.6 6.2 9.2



#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

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

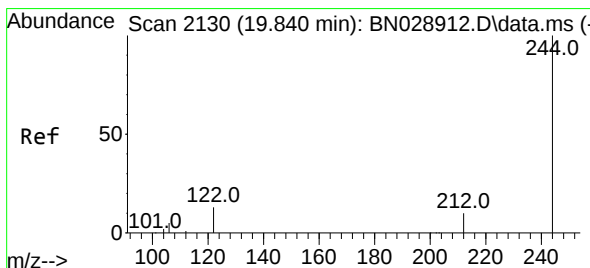
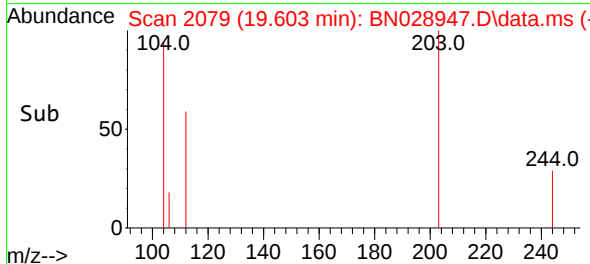
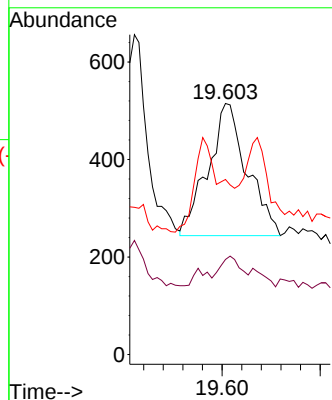
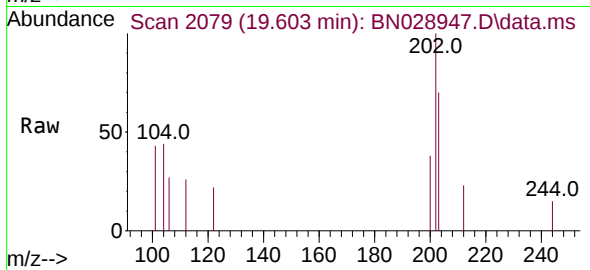




#30
 Pyrene
 Concen: 0.113 ng
 RT: 19.603 min Scan# 2083
 Delta R.T. -0.005 min
 Lab File: BN028947.D
 Acq: 01 Dec 2023 14:53

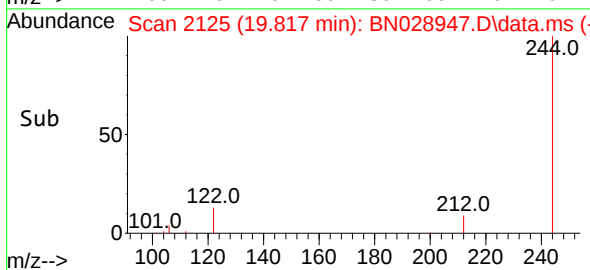
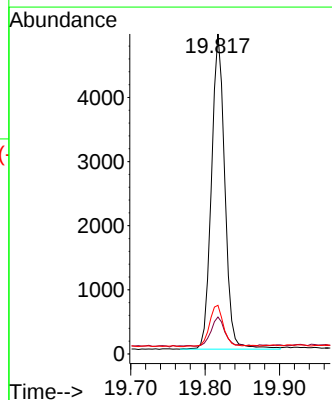
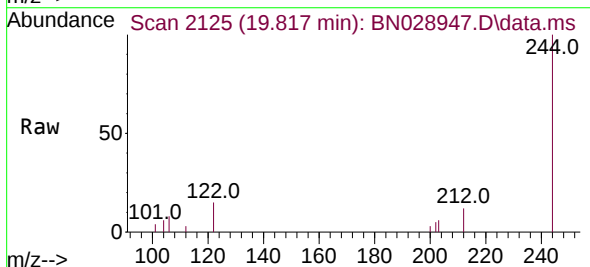
Instrument :
 BNA_N
 ClientSampleId :
 RE115D1-20231107

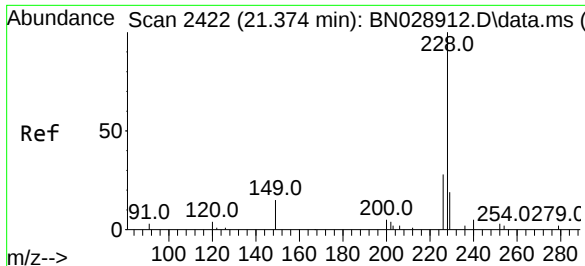
Tgt Ion:202 Resp: 751
 Ion Ratio Lower Upper
 202 100
 200 7.5 16.9 25.3#
 203 0.0 14.8 22.2#



#31
 Terphenyl-d14
 Concen: 0.407 ng
 RT: 19.817 min Scan# 2125
 Delta R.T. -0.005 min
 Lab File: BN028947.D
 Acq: 01 Dec 2023 14:53

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

Instrument :

BNA_N

ClientSampleId :

RE115D1-20231107

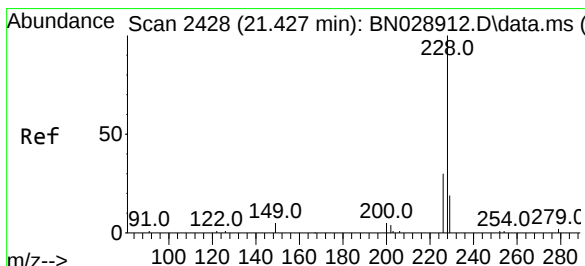
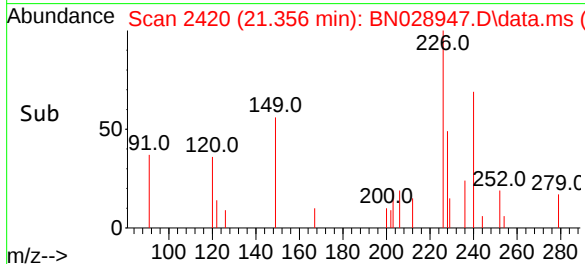
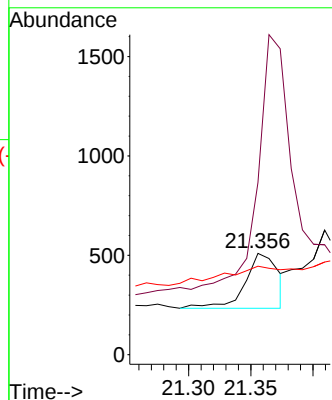
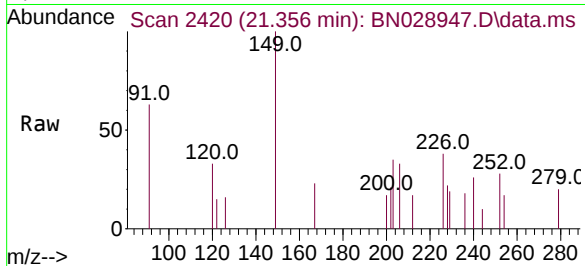
Tgt Ion:228 Resp: 512

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

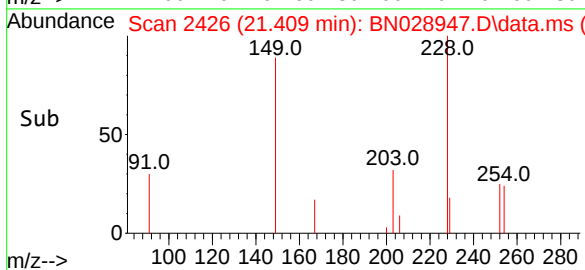
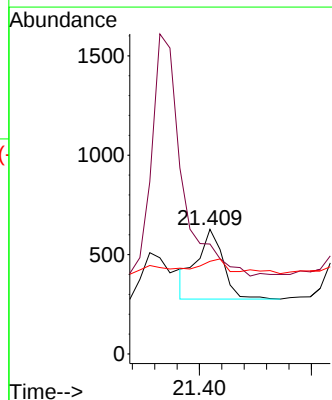
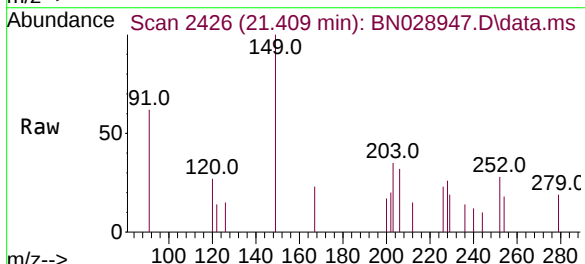
Tgt Ion:228 Resp: 577

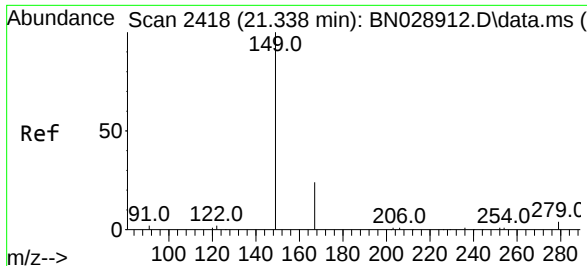
Ion Ratio Lower Upper

228 100

226 88.2 28.3 42.5#

229 74.3 16.4 24.6#

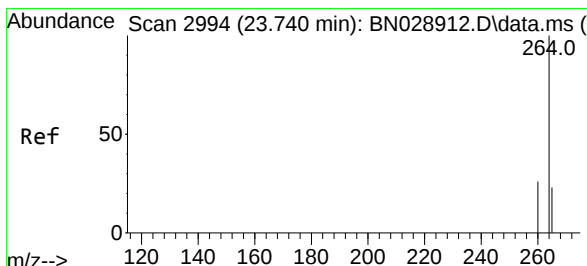
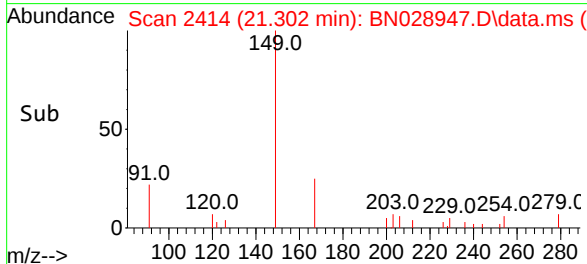
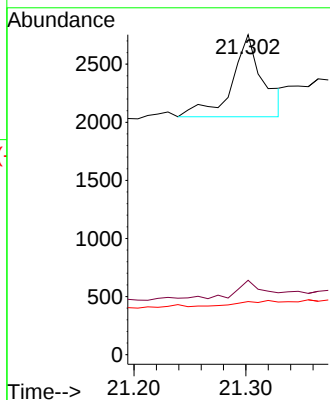
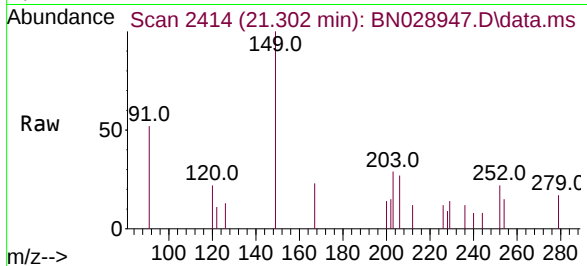




#34
Bis(2-ethylhexyl)phthalate
Concen: Below Cal
RT: 21.302 min Scan# 2414
Delta R.T. -0.009 min
Lab File: BN028947.D
Acq: 01 Dec 2023 14:53

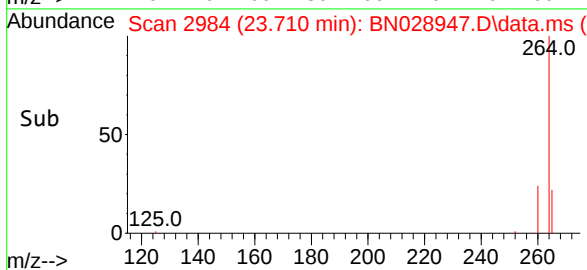
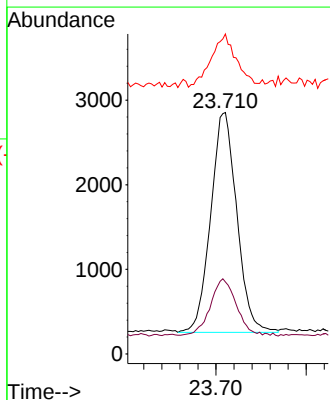
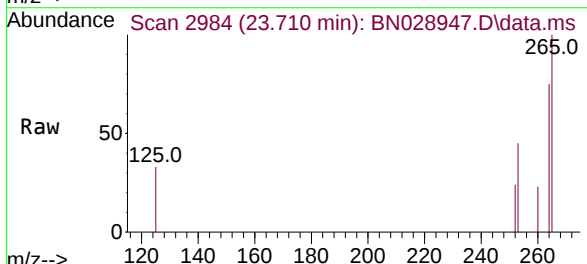
Instrument :
BNA_N
ClientSampleId :
RE115D1-20231107

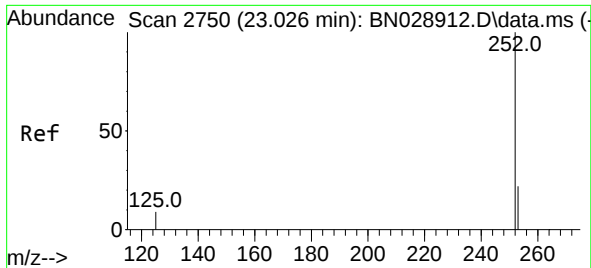
Tgt Ion:149 Resp: 1362
Ion Ratio Lower Upper
149 100
167 18.5 14.9 22.3
279 10.5 6.3 9.5#



#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#





#37

Benzo(b)fluoranthene

Concen: 0.038 ng

RT: 23.003 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN028947.D

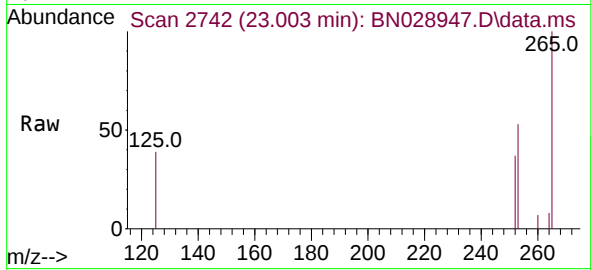
Acq: 01 Dec 2023 14:53

Instrument :

BNA_N

ClientSampleId :

RE115D1-20231107



Tgt Ion:252 Resp: 809

Ion Ratio Lower Upper

252 100

253 146.0 94.5 141.7#

125 107.2 23.8 35.8#

