

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN092624\
 Data File : BN034252.D
 Acq On : 26 Sep 2024 19:46
 Operator : RC/JU
 Sample : P4164-11
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE139D2-20240920

Quant Time: Sep 27 01:01:56 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 26 14:44:02 2024
 Response via : Initial Calibration

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

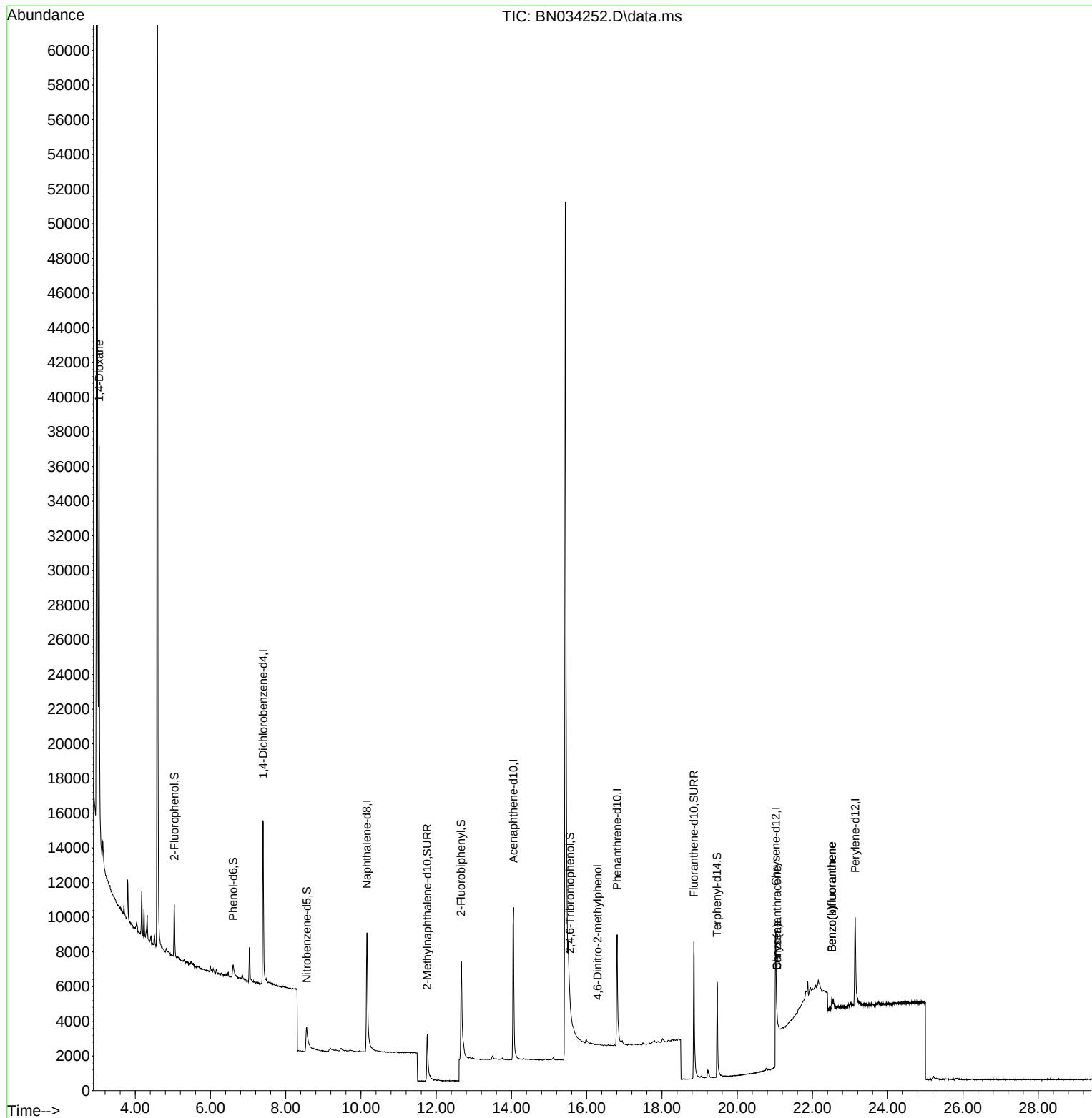
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.402	152	5235	0.400	ng	0.00
7) Naphthalene-d8	10.159	136	13458	0.400	ng	# 0.01
13) Acenaphthene-d10	14.051	164	6674	0.400	ng	0.00
19) Phenanthrene-d10	16.808	188	12156	0.400	ng	# 0.00
29) Chrysene-d12	21.026	240	8279	0.400	ng	0.01
35) Perylene-d12	23.133	264	8196	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.040	112	2401	0.162	ng	0.00
5) Phenol-d6	6.600	99	1033	0.060	ng	0.00
8) Nitrobenzene-d5	8.557	82	2600	0.253	ng	0.02
11) 2-Methylnaphthalene-d10	11.761	152	5821	0.293	ng	0.00
14) 2,4,6-Tribromophenol	15.555	330	245	0.081	ng	0.00
15) 2-Fluorobiphenyl	12.661	172	8353	0.308	ng	0.00
27) Fluoranthene-d10	18.848	212	10838	0.353	ng	0.00
31) Terphenyl-d14	19.466	244	6730	0.407	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.039	88	10278	1.570	ng	# 81
20) 4,6-Dinitro-2-methylph...	16.287	198	5	0.140	ng	# 1
32) Benzo(a)anthracene	21.062	228	1020	0.039	ng	# 74
33) Chrysene	21.062	228	1286	0.041	ng	# 77
37) Benzo(b)fluoranthene	22.516	252	1099	0.034	ng	# 1
38) Benzo(k)fluoranthene	22.516	252	1099	0.033	ng	# 1

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

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Misc :
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RE139D2-20240920

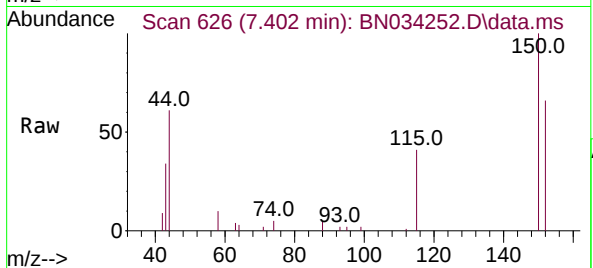
Quant Time: Sep 27 01:01:56 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN091924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 26 14:44:02 2024
Response via : Initial Calibration



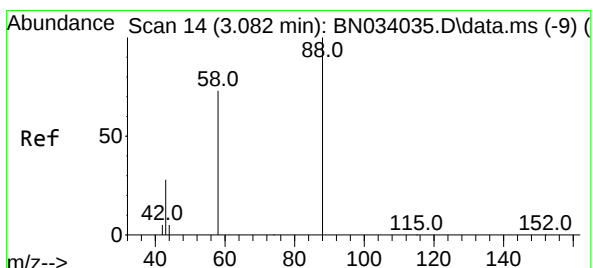
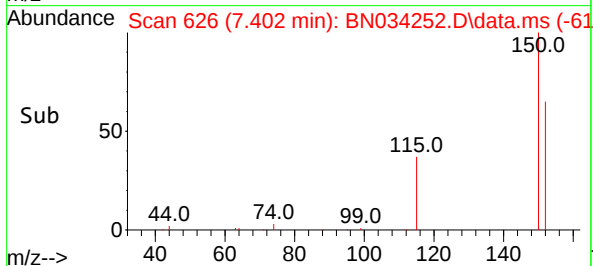
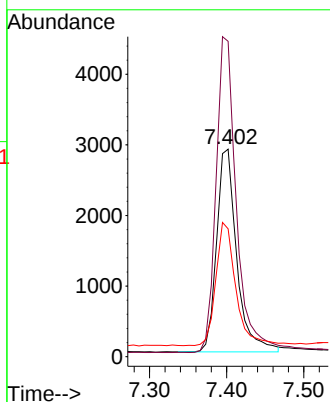


#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.402 min Scan# 61
Delta R.T. 0.008 min
Lab File: BN034252.D
Acq: 26 Sep 2024 19:46

Instrument :
BNA_N
ClientSampleId :
RE139D2-20240920

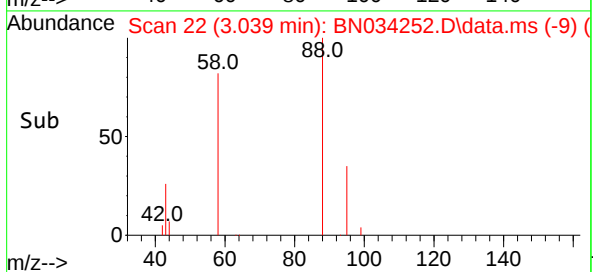
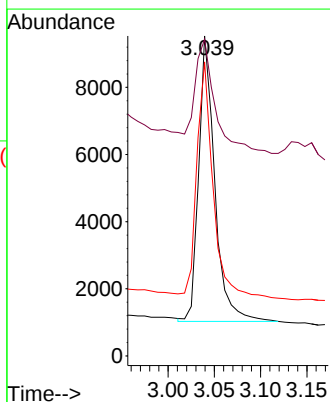
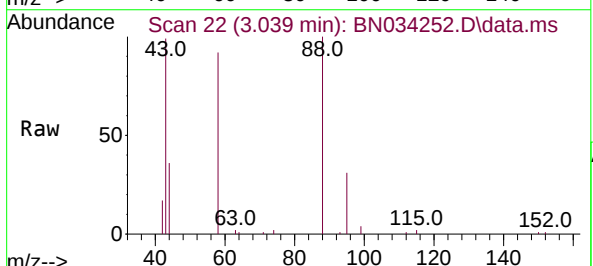


Tgt Ion:152 Resp: 5235
Ion Ratio Lower Upper
152 100
150 152.0 124.6 187.0
115 61.6 50.0 75.0



#2
1,4-Dioxane
Concen: 1.570 ng
RT: 3.039 min Scan# 22
Delta R.T. -0.007 min
Lab File: BN034252.D
Acq: 26 Sep 2024 19:46

Tgt Ion: 88 Resp: 10278
Ion Ratio Lower Upper
88 100
43 50.6 25.8 38.8#
58 84.5 58.8 88.2

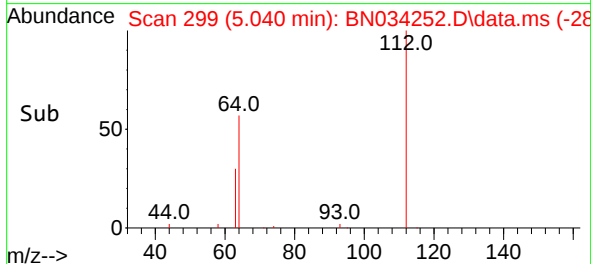
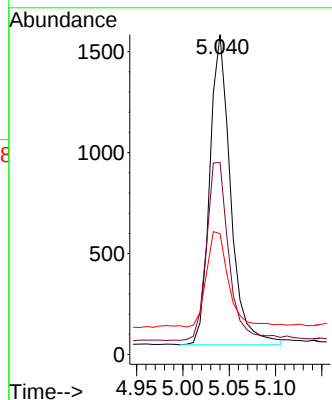
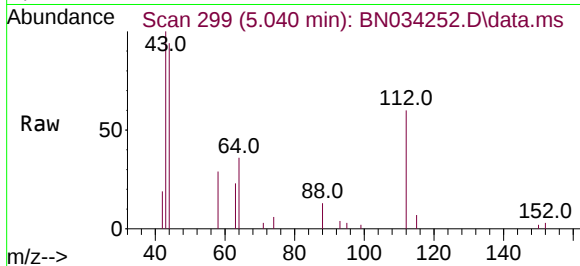




#4
2-Fluorophenol
Concen: 0.162 ng
RT: 5.040 min Scan# 240
Delta R.T. 0.007 min
Lab File: BN034252.D
Acq: 26 Sep 2024 19:46

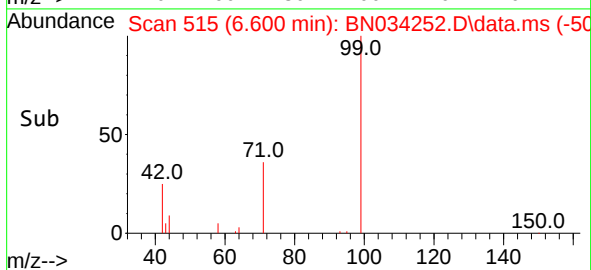
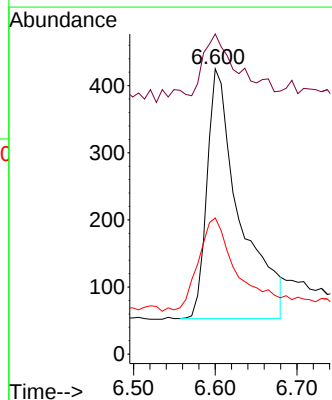
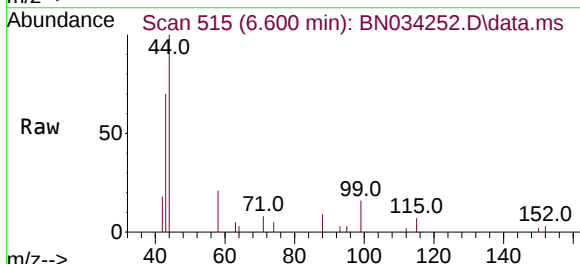
Instrument :
BNA_N
ClientSampleId :
RE139D2-20240920

Tgt Ion:112 Resp: 2401
Ion Ratio Lower Upper
112 100
64 61.7 48.6 72.8
63 33.0 25.6 38.4



#5
Phenol-d6
Concen: 0.060 ng
RT: 6.600 min Scan# 515
Delta R.T. 0.000 min
Lab File: BN034252.D
Acq: 26 Sep 2024 19:46

Tgt Ion: 99 Resp: 1033
Ion Ratio Lower Upper
99 100
42 26.3 17.8 26.8
71 43.0 26.2 39.2#

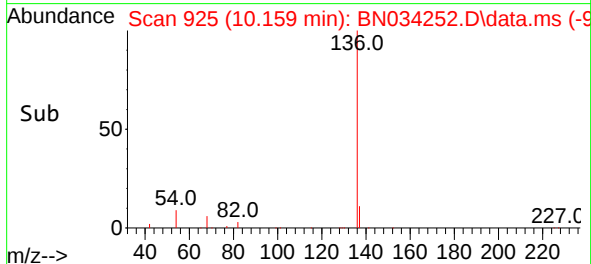
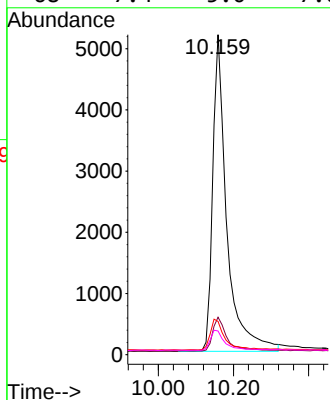
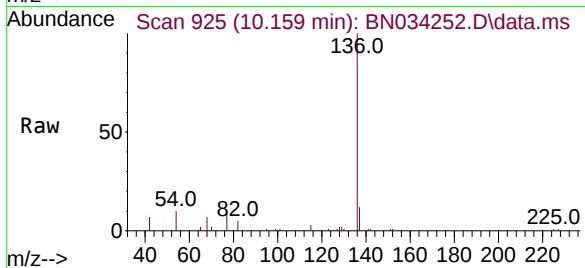




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.159 min Scan# 915
Delta R.T. 0.011 min
Lab File: BN034252.D
Acq: 26 Sep 2024 19:46

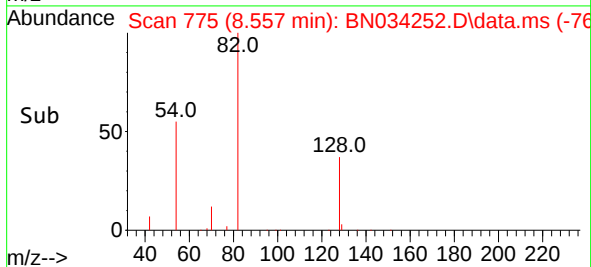
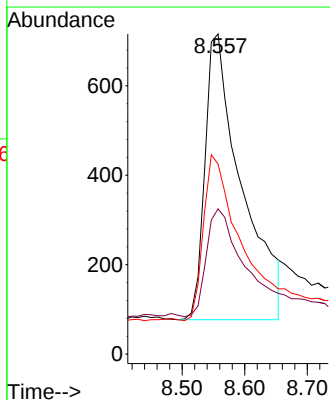
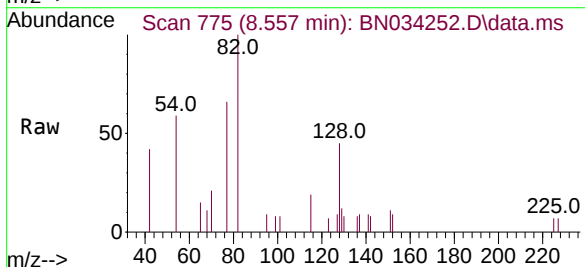
Instrument :
BNA_N
ClientSampleId :
RE139D2-20240920

Tgt Ion:	136	Resp:	13458
Ion Ratio	Lower	Upper	
136	100		
137	11.7	9.0	13.6
54	10.4	6.8	10.2#
68	7.4	5.0	7.6



#8
Nitrobenzene-d5
Concen: 0.253 ng
RT: 8.557 min Scan# 775
Delta R.T. 0.022 min
Lab File: BN034252.D
Acq: 26 Sep 2024 19:46

Tgt Ion:	82	Resp:	2600
Ion Ratio	Lower	Upper	
82	100		
128	45.4	31.4	47.2
54	59.4	47.4	71.0

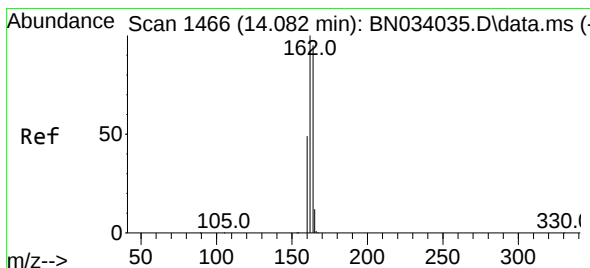
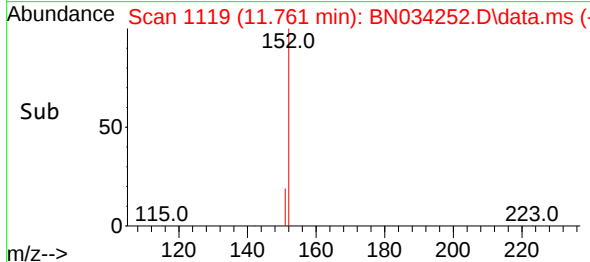
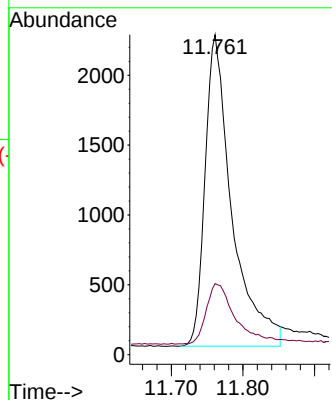
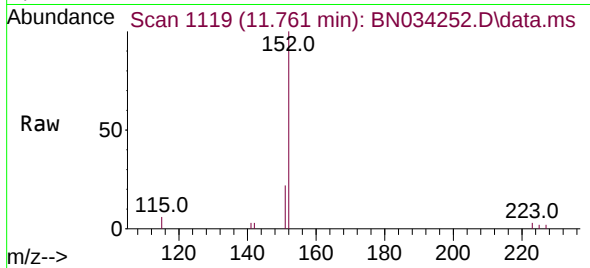




#11
2-Methylnaphthalene-d10
Concen: 0.293 ng
RT: 11.761 min Scan# 1119
Delta R.T. 0.008 min
Lab File: BN034252.D
Acq: 26 Sep 2024 19:46

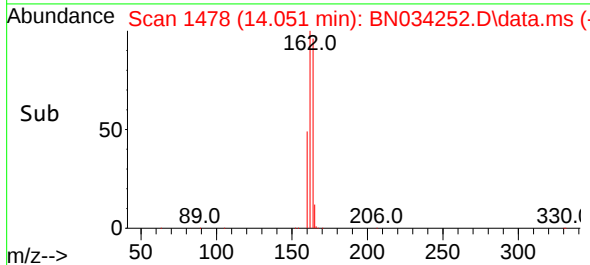
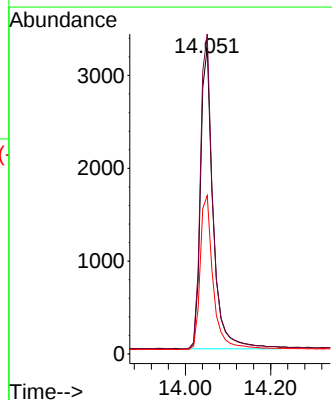
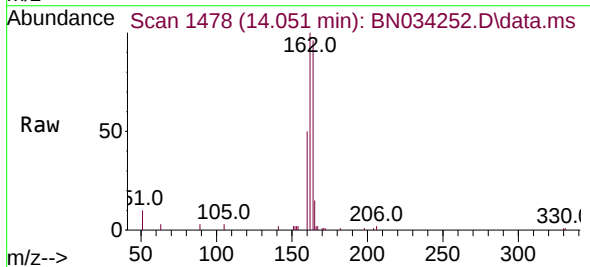
Instrument :
BNA_N
ClientSampleId :
RE139D2-20240920

Tgt Ion:152 Resp: 5821
Ion Ratio Lower Upper
152 100
151 21.0 16.8 25.2



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.051 min Scan# 1478
Delta R.T. 0.004 min
Lab File: BN034252.D
Acq: 26 Sep 2024 19:46

Tgt Ion:164 Resp: 6674
Ion Ratio Lower Upper
164 100
162 104.4 84.2 126.2
160 51.7 41.7 62.5

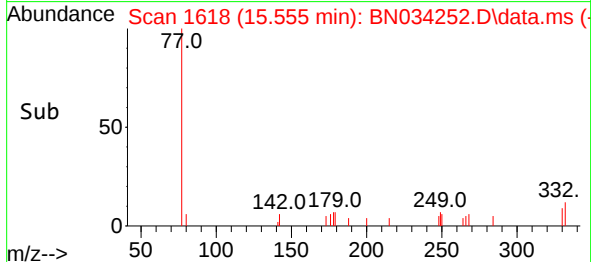
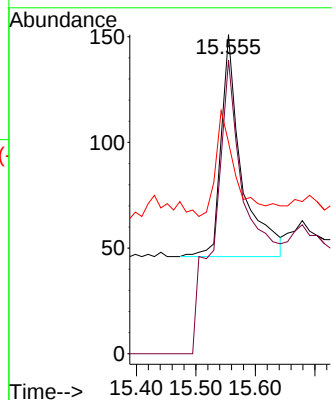
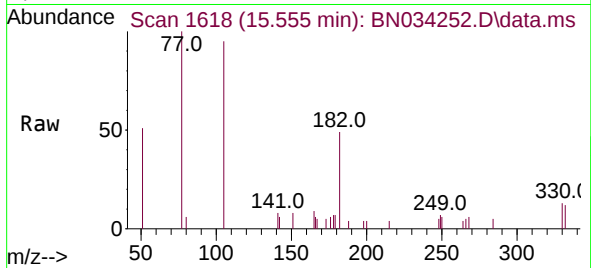




#14
2,4,6-Tribromophenol
Concen: 0.081 ng
RT: 15.555 min Scan# 1
Delta R.T. 0.006 min
Lab File: BN034252.D
Acq: 26 Sep 2024 19:46

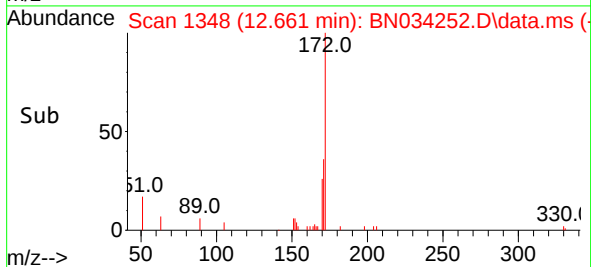
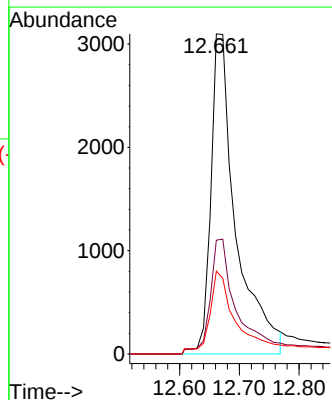
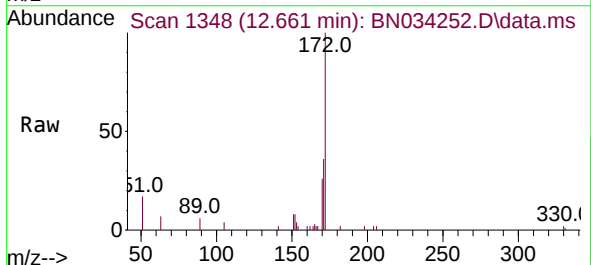
Instrument :
BNA_N
ClientSampleId :
RE139D2-20240920

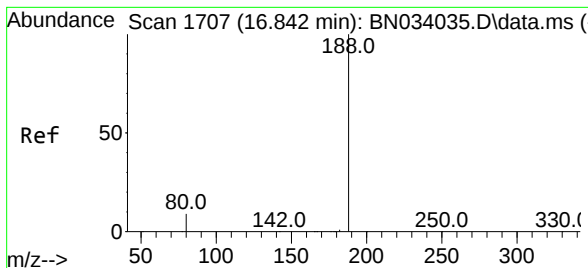
Tgt Ion:330 Resp: 245
Ion Ratio Lower Upper
330 100
332 246.9 77.4 116.0#
141 49.0 35.9 53.9



#15
2-Fluorobiphenyl
Concen: 0.308 ng
RT: 12.661 min Scan# 1348
Delta R.T. 0.004 min
Lab File: BN034252.D
Acq: 26 Sep 2024 19:46

Tgt Ion:172 Resp: 8353
Ion Ratio Lower Upper
172 100
171 35.5 27.3 40.9
170 25.9 18.1 27.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.808 min Scan# 1

Delta R.T. 0.006 min

Lab File: BN034252.D

Acq: 26 Sep 2024 19:46

Instrument :

BNA_N

ClientSampleId :

RE139D2-20240920

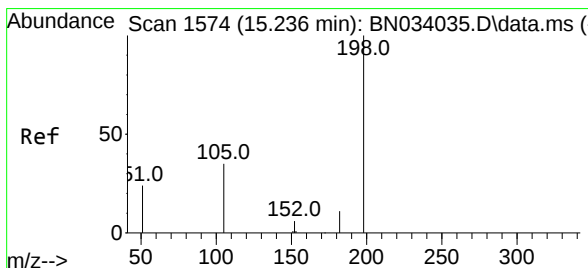
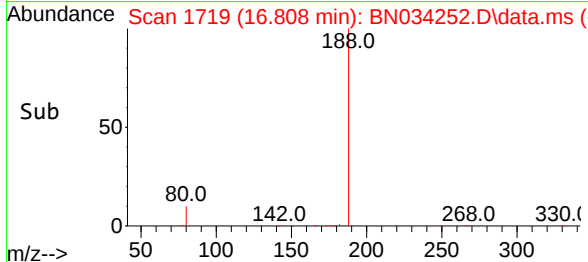
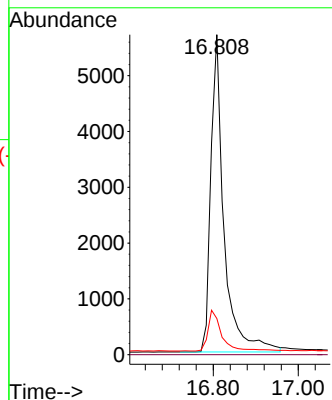
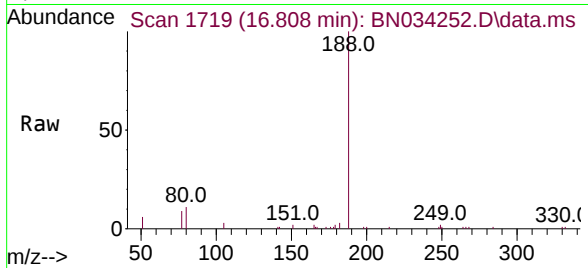
Tgt Ion:188 Resp: 12156

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.3 7.4 11.0#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.140 ng

RT: 16.287 min Scan# 1677

Delta R.T. -0.019 min

Lab File: BN034252.D

Acq: 26 Sep 2024 19:46

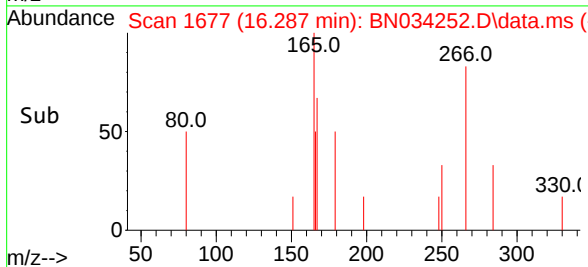
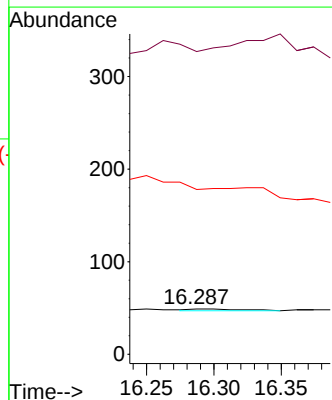
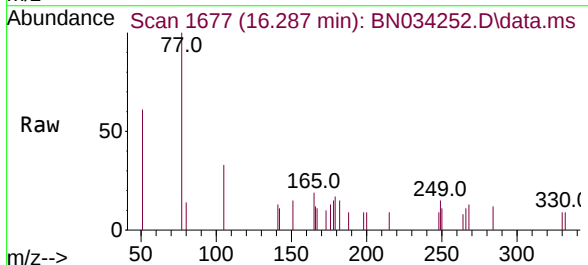
Tgt Ion:198 Resp: 5

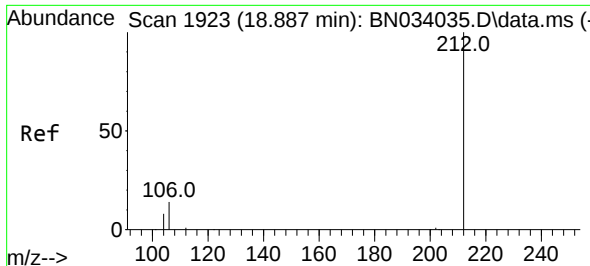
Ion Ratio Lower Upper

198 100

51 667.3 106.4 159.6#

105 363.3 38.5 57.7#

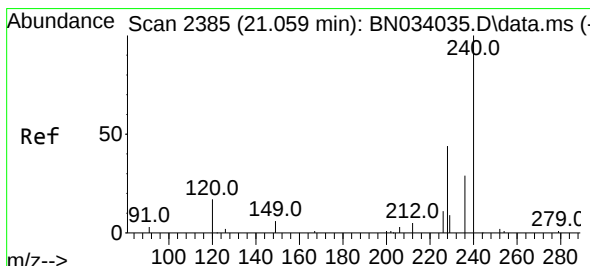
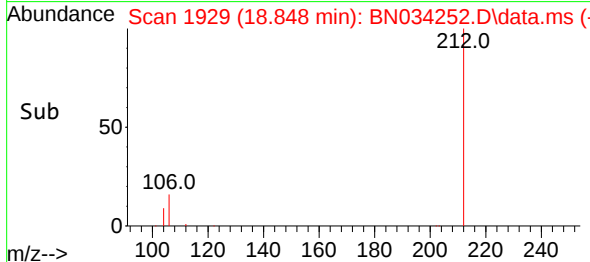
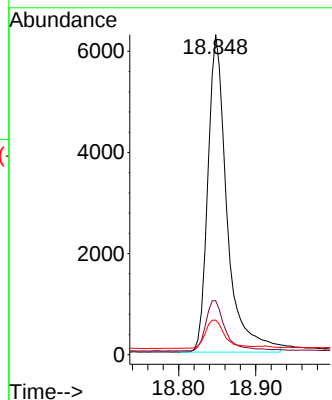
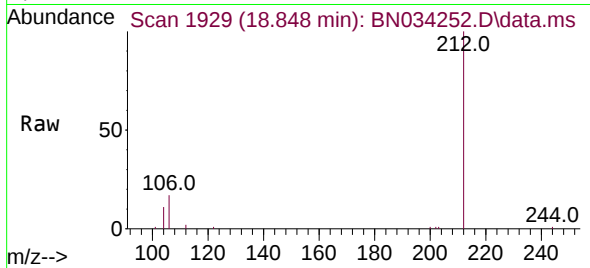




#27
Fluoranthene-d10
Concen: 0.353 ng
RT: 18.848 min Scan# 1929
Delta R.T. 0.003 min
Lab File: BN034252.D
Acq: 26 Sep 2024 19:46

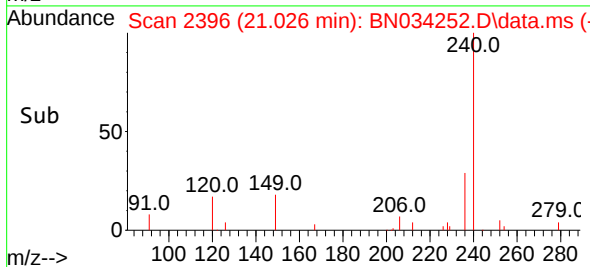
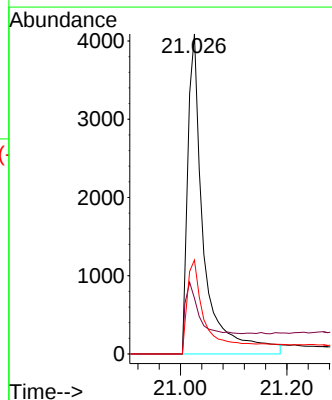
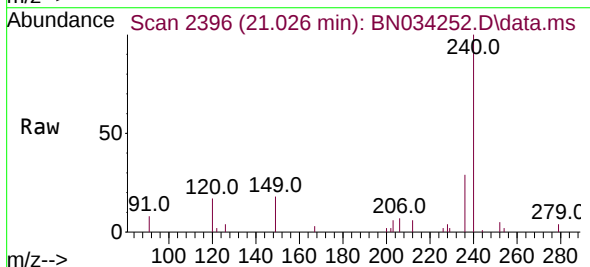
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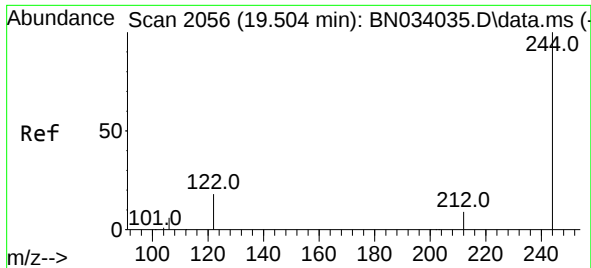
Tgt Ion:212 Resp: 10838
Ion Ratio Lower Upper
212 100
106 16.2 13.4 20.2
104 9.3 7.8 11.6



#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.026 min Scan# 2396
Delta R.T. 0.012 min
Lab File: BN034252.D
Acq: 26 Sep 2024 19:46

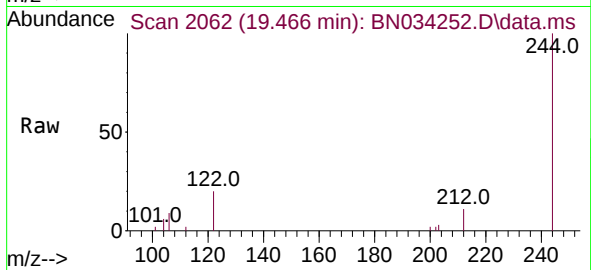
Tgt Ion:240 Resp: 8279
Ion Ratio Lower Upper
240 100
120 17.4 13.5 20.3
236 29.3 23.4 35.0



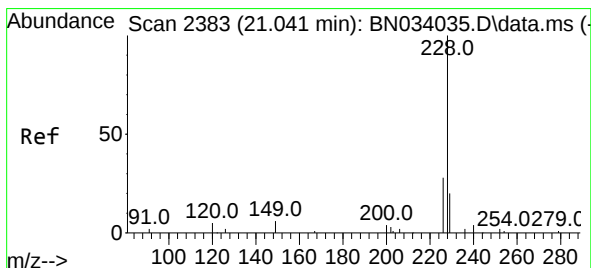
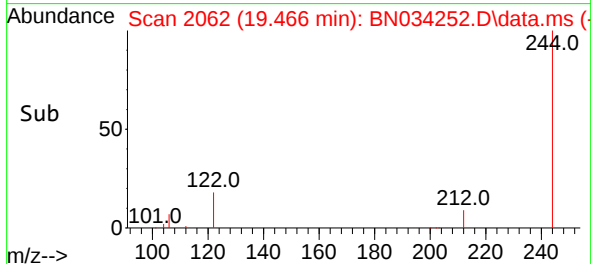
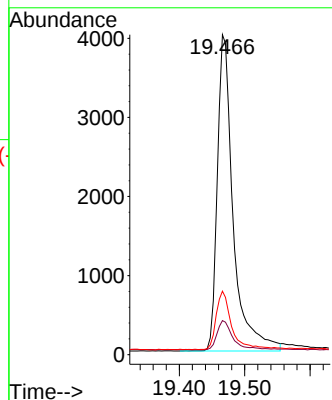


#31
Terphenyl-d14
Concen: 0.407 ng
RT: 19.466 min Scan# 2056
Delta R.T. -0.002 min
Lab File: BN034252.D
Acq: 26 Sep 2024 19:46

Instrument :
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ClientSampleId :
RE139D2-20240920

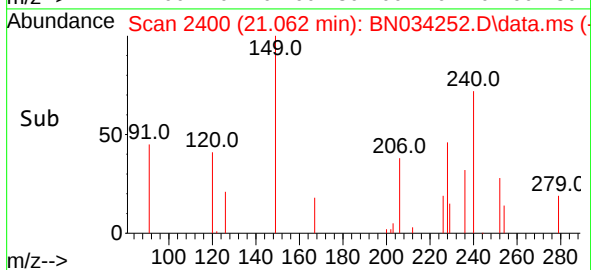
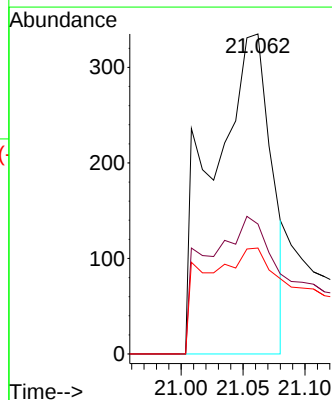
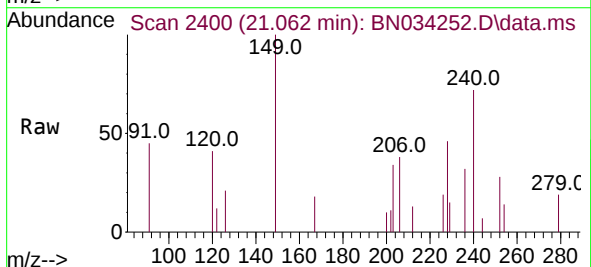


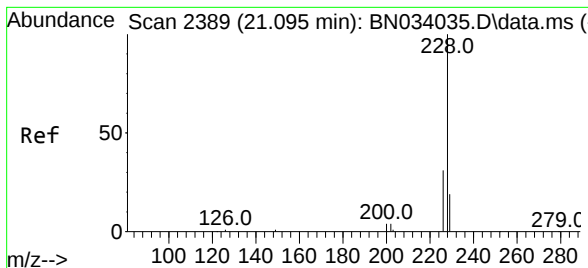
Tgt Ion:244 Resp: 6730
Ion Ratio Lower Upper
244 100
212 10.7 7.8 11.6
122 19.9 14.8 22.2



#32
Benzo(a)anthracene
Concen: 0.039 ng
RT: 21.062 min Scan# 2400
Delta R.T. 0.056 min
Lab File: BN034252.D
Acq: 26 Sep 2024 19:46

Tgt Ion:228 Resp: 1020
Ion Ratio Lower Upper
228 100
226 40.6 22.3 33.5#
229 33.1 15.7 23.5#





#33

Chrysene

Concen: 0.041 ng

RT: 21.062 min Scan# 24

Delta R.T. 0.012 min

Lab File: BN034252.D

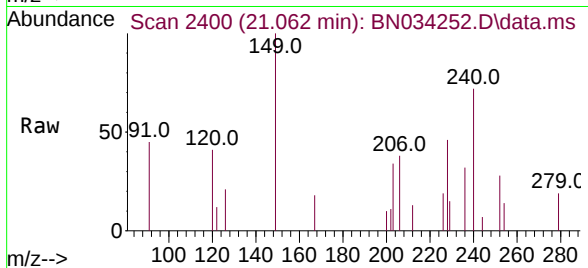
Acq: 26 Sep 2024 19:46

Instrument :

BNA_N

ClientSampleId :

RE139D2-20240920



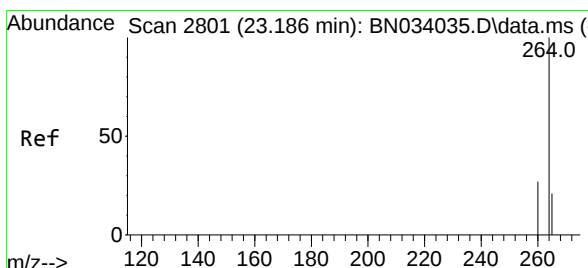
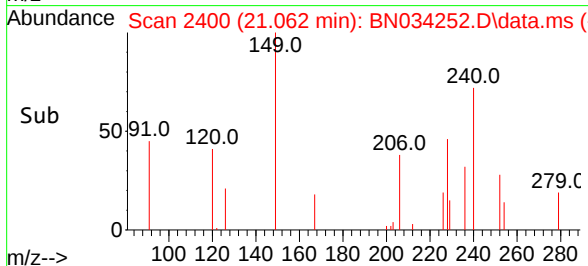
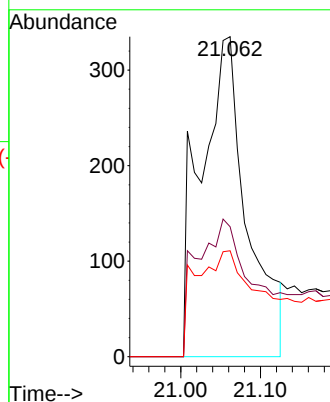
Tgt Ion:228 Resp: 1286

Ion Ratio Lower Upper

228 100

226 40.6 24.6 37.0#

229 33.1 15.5 23.3#



#35

Perylene-d12

Concen: 0.400 ng

RT: 23.133 min Scan# 2799

Delta R.T. 0.005 min

Lab File: BN034252.D

Acq: 26 Sep 2024 19:46

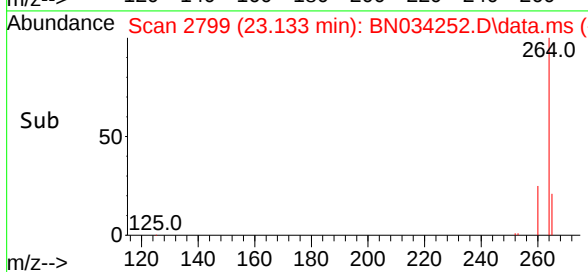
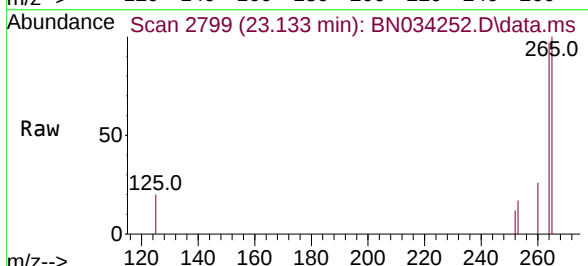
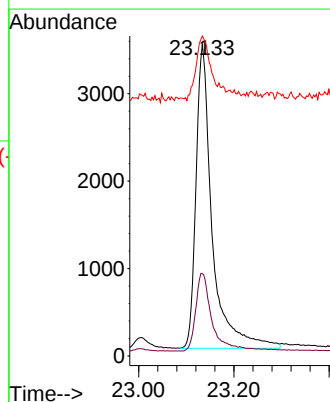
Tgt Ion:264 Resp: 8196

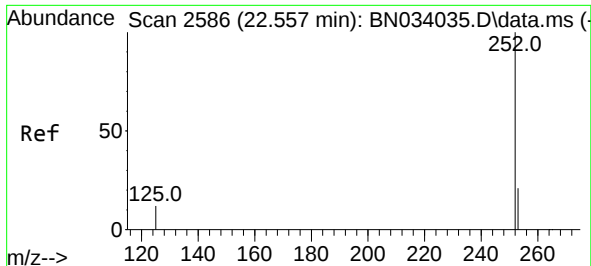
Ion Ratio Lower Upper

264 100

260 26.4 21.7 32.5

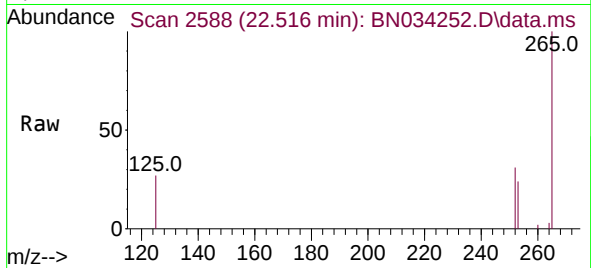
265 102.8 52.1 78.1#



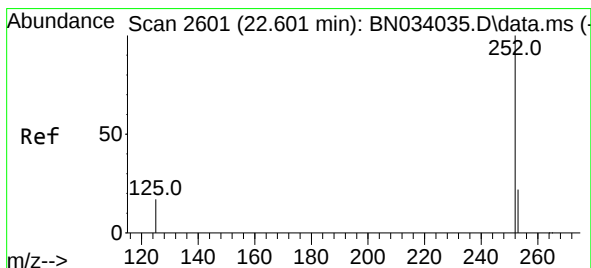
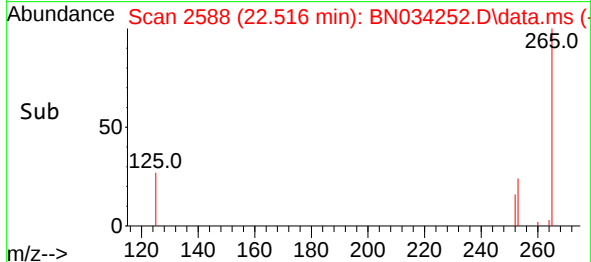
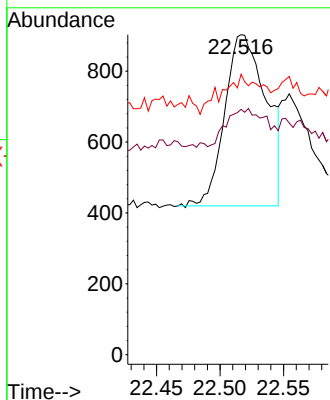


#37
Benzo(b)fluoranthene
Concen: 0.034 ng
RT: 22.516 min Scan# 2586
Delta R.T. 0.008 min
Lab File: BN034252.D
Acq: 26 Sep 2024 19:46

Instrument :
BNA_N
ClientSampleId :
RE139D2-20240920



Tgt Ion:252 Resp: 1099
Ion Ratio Lower Upper
252 100
253 76.6 19.6 29.4#
125 87.6 13.8 20.8#



#38
Benzo(k)fluoranthene
Concen: 0.033 ng
RT: 22.516 min Scan# 2588
Delta R.T. -0.033 min
Lab File: BN034252.D
Acq: 26 Sep 2024 19:46

Tgt Ion:252 Resp: 1099
Ion Ratio Lower Upper
252 100
253 76.6 20.1 30.1#
125 87.6 16.8 25.2#

