

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
 Data File : BF141008.D
 Acq On : 27 Dec 2024 20:24
 Operator : RC/JU
 Sample : P5382-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-3

Quant Time: Dec 27 22:21:33 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:31:16 2024
 Response via : Initial Calibration

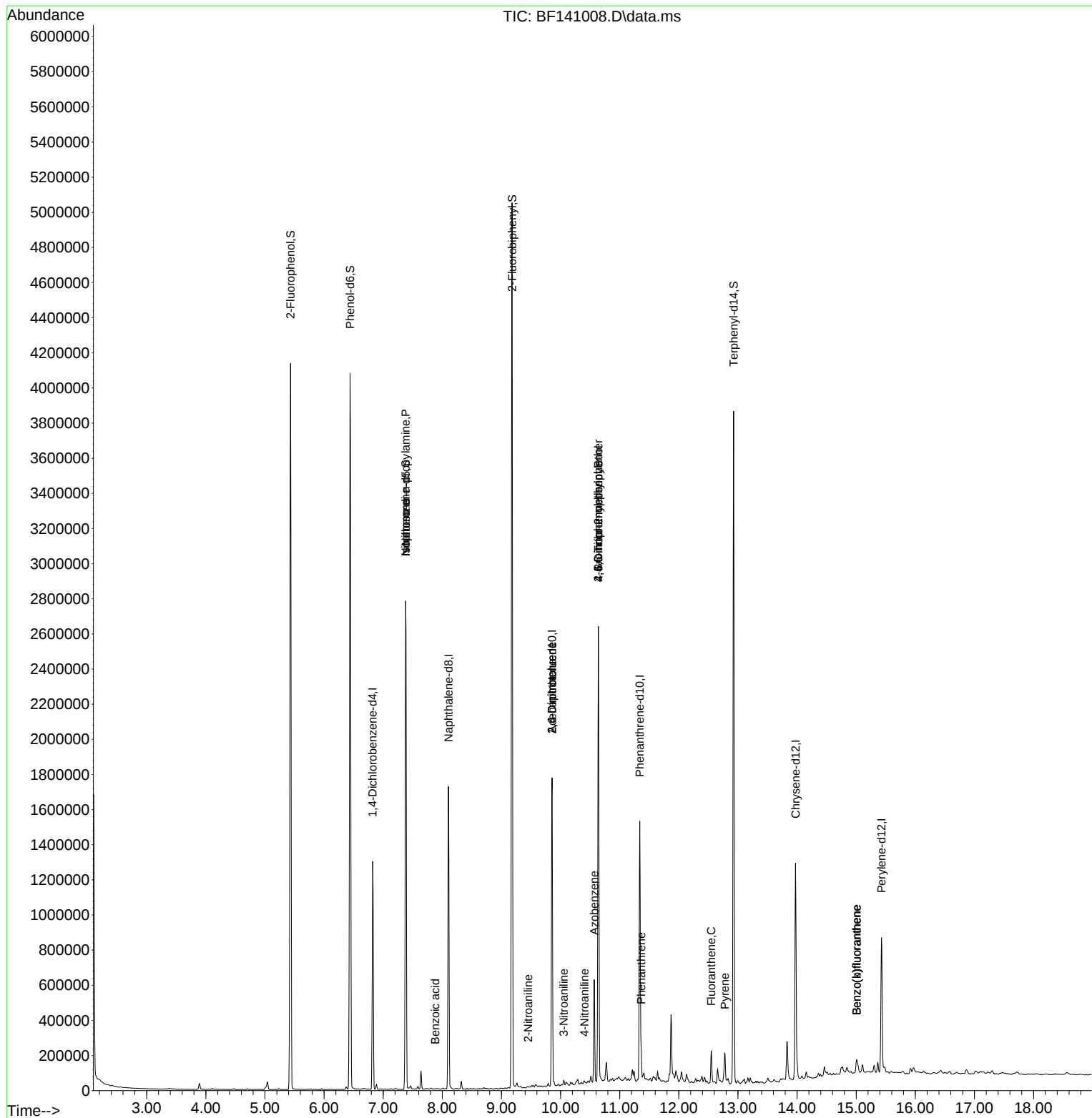
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	261409	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	1032364	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	517375	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	711998	20.000	ng	0.00
76) Chrysene-d12	13.974	240	540701	20.000	ng	-0.01
86) Perylene-d12	15.427	264	441127	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1578664	91.031	ng	0.00
7) Phenol-d6	6.439	99	2014724	90.184	ng	-0.01
23) Nitrobenzene-d5	7.381	82	1245591	77.192	ng	-0.01
42) 2,4,6-Tribromophenol	10.639	330	435474	86.621	ng	-0.01
45) 2-Fluorobiphenyl	9.180	172	2197892	67.683	ng	0.00
79) Terphenyl-d14	12.927	244	1799788	55.288	ng	0.00
Target Compounds						
9) Benzaldehyde	6.369	77	422	Below Cal	Qvalue	# 81
19) n-Nitroso-di-n-propyla...	7.381	70	167922	12.269	ng	# 80
25) Isophorone	7.381	82	1236810	35.223	ng	# 65
32) Benzoic acid	7.880	122	57	7.697	ng	# 1
48) 2-Nitroaniline	9.451	65	216	4.668	ng	# 6
51) 2,6-Dinitrotoluene	9.857	165	67757	12.674	ng	# 23
53) 3-Nitroaniline	10.051	138	56	3.272	ng	# 1
57) 2,4-Dinitrotoluene	9.857	165	67757	11.730	ng	# 21
62) 4-Nitroaniline	10.404	138	266	3.379	ng	# 69
63) Azobenzene	10.569	77	142317	4.036	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.639	198	1002	9.628	ng	# 1
67) 4-Bromophenyl-phenylether	10.639	248	26798	3.482	ng	# 1
71) Phenanthrene	11.363	178	85156	2.272	ng	98
75) Fluoranthene	12.551	202	101661	2.501	ng	98
78) Pyrene	12.780	202	96107	2.032	ng	99
88) Benzo(b)fluoranthene	15.009	252	66225	2.153	ng	98
89) Benzo(k)fluoranthene	15.009	252	66225	2.746	ng	98

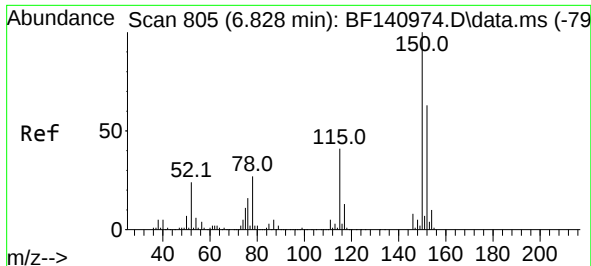
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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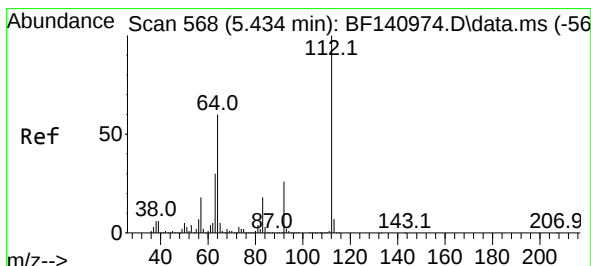
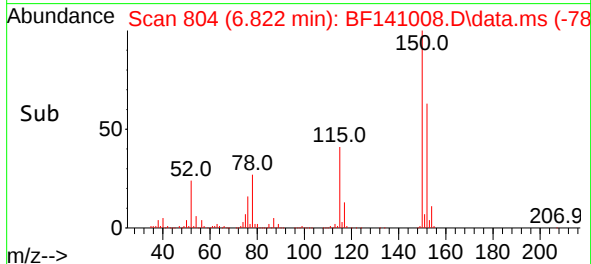
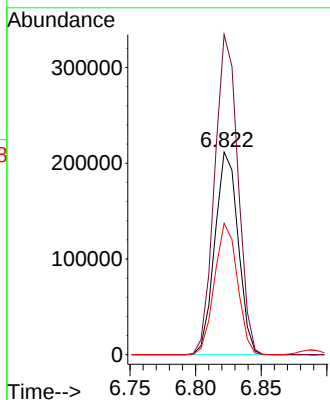
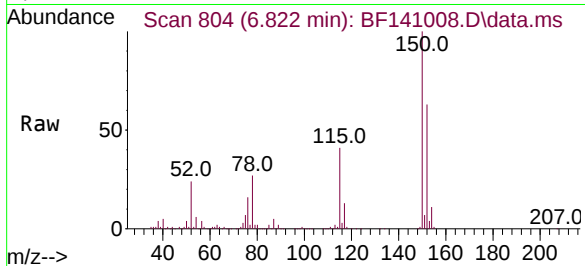




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF141008.D
Acq: 27 Dec 2024 20:24

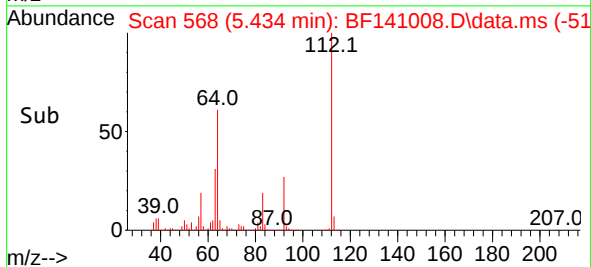
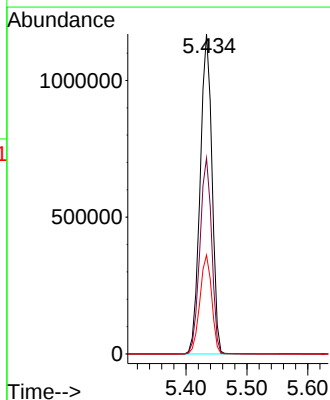
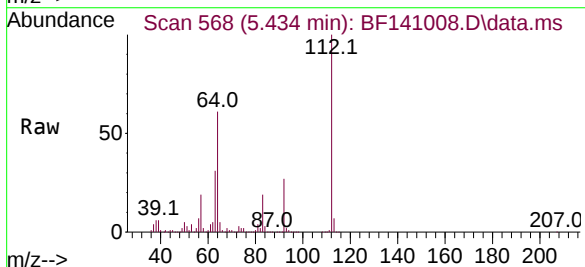
Instrument :
BNA_F
ClientSampleId :
COMP-3

Tgt Ion:152 Resp: 261409
Ion Ratio Lower Upper
152 100
150 157.9 127.0 190.6
115 64.8 51.7 77.5



#5
2-Fluorophenol
Concen: 91.031 ng
RT: 5.434 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF141008.D
Acq: 27 Dec 2024 20:24

Tgt Ion:112 Resp: 1578664
Ion Ratio Lower Upper
112 100
64 61.2 47.7 71.5
63 30.9 24.2 36.2

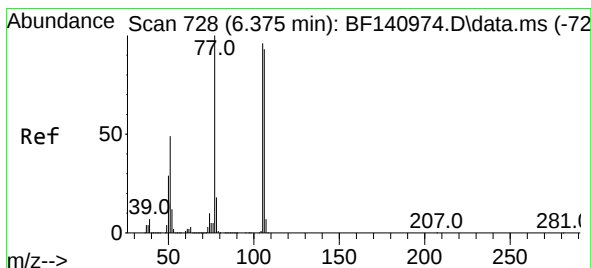
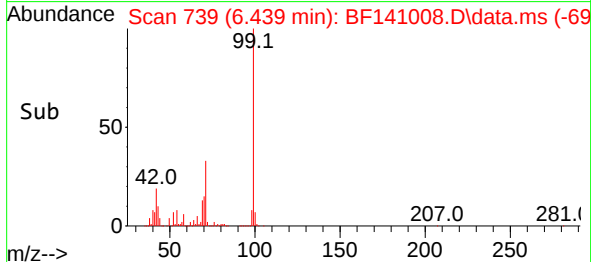
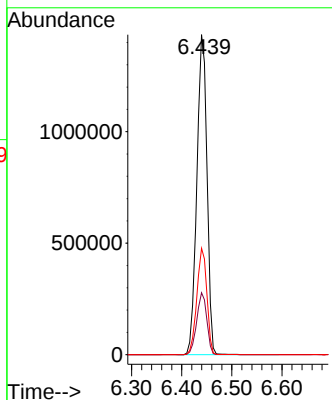
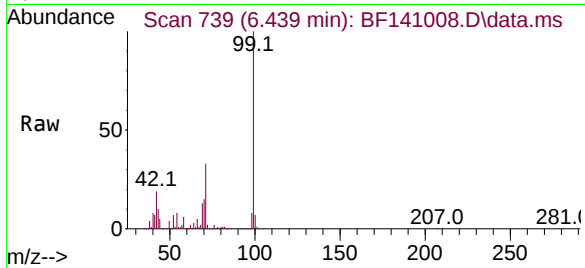




#7
Phenol-d6
Concen: 90.184 ng
RT: 6.439 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141008.D
Acq: 27 Dec 2024 20:24

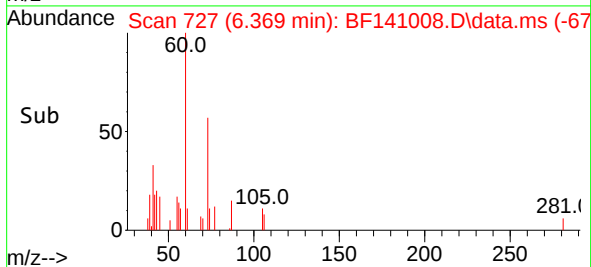
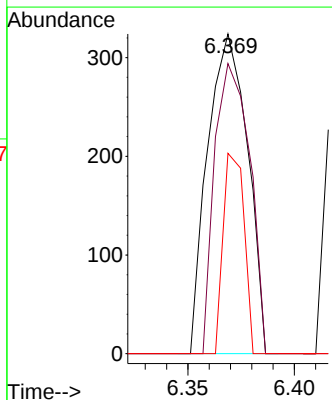
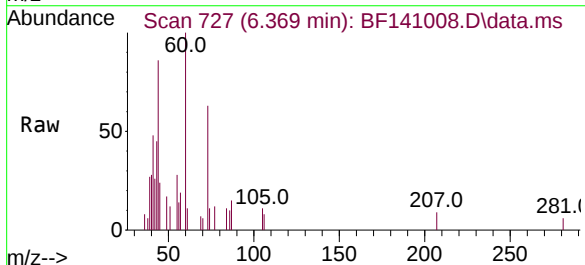
Instrument :
BNA_F
ClientSampleId :
COMP-3

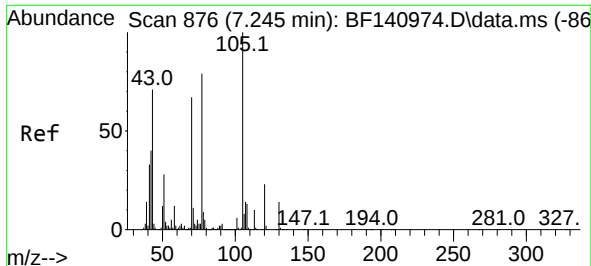
Tgt Ion: 99 Resp: 2014724
Ion Ratio Lower Upper
99 100
42 19.3 15.0 22.4
71 33.3 26.2 39.2



#9
Benzaldehyde
Concen: Below Cal
RT: 6.369 min Scan# 727
Delta R.T. -0.006 min
Lab File: BF141008.D
Acq: 27 Dec 2024 20:24

Tgt Ion: 77 Resp: 422
Ion Ratio Lower Upper
77 100
105 90.7 76.2 116.2
106 62.7 73.4 113.4#

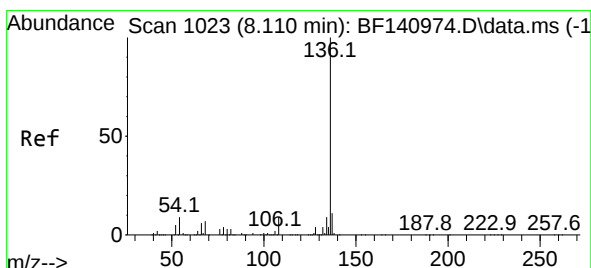
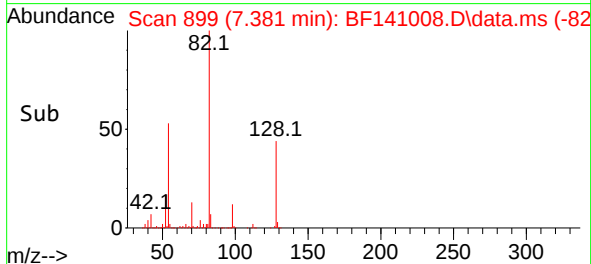
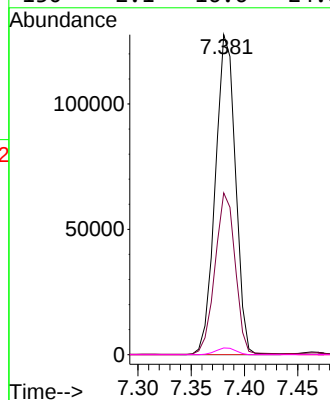
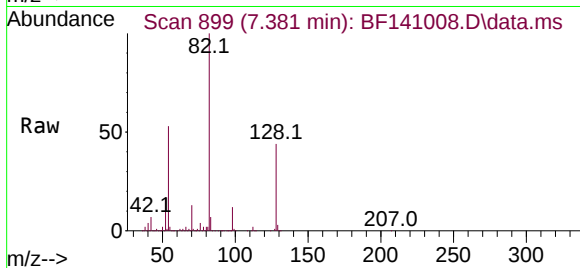




#19
n-Nitroso-di-n-propylamine
Concen: 12.269 ng
RT: 7.381 min Scan# 899
Delta R.T. 0.135 min
Lab File: BF141008.D
Acq: 27 Dec 2024 20:24

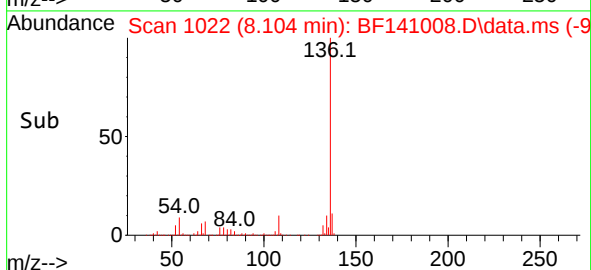
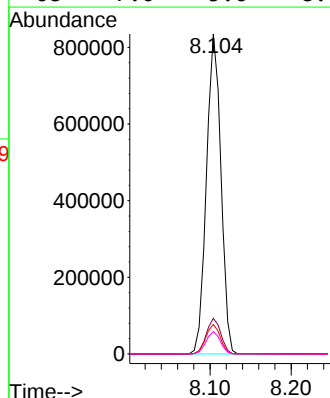
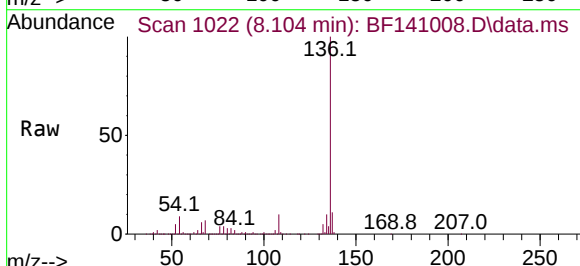
Instrument :
BNA_F
ClientSampleId :
COMP-3

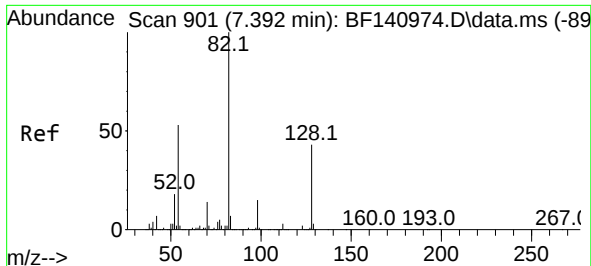
Tgt Ion: 70 Resp: 167922
Ion Ratio Lower Upper
70 100
42 50.6 48.1 72.1
101 0.0 7.6 11.4#
130 2.1 16.6 24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF141008.D
Acq: 27 Dec 2024 20:24

Tgt Ion: 136 Resp: 1032364
Ion Ratio Lower Upper
136 100
137 11.1 9.0 13.4
54 9.3 7.6 11.4
68 7.0 5.6 8.4





#23

Nitrobenzene-d5

Concen: 77.192 ng

RT: 7.381 min Scan# 899

Delta R.T. -0.012 min

Lab File: BF141008.D

Acq: 27 Dec 2024 20:24

Instrument :

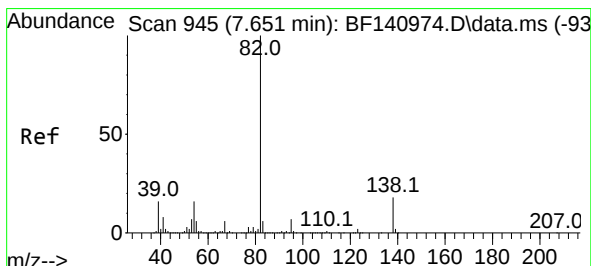
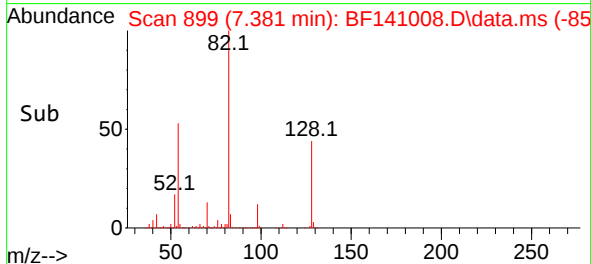
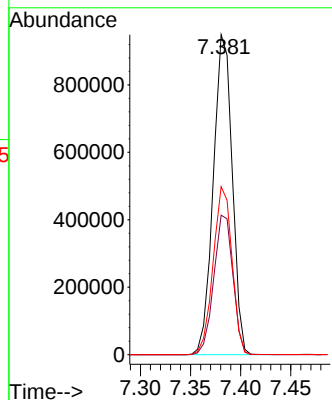
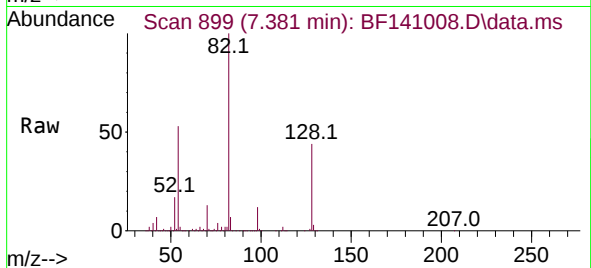
BNA_F

ClientSampleId :

COMP-3

Tgt Ion: 82 Resp: 1245591

Ion	Ratio	Lower	Upper
82	100		
128	43.6	34.4	51.6
54	52.5	42.4	63.6



#25

Isophorone

Concen: 35.223 ng

RT: 7.381 min Scan# 899

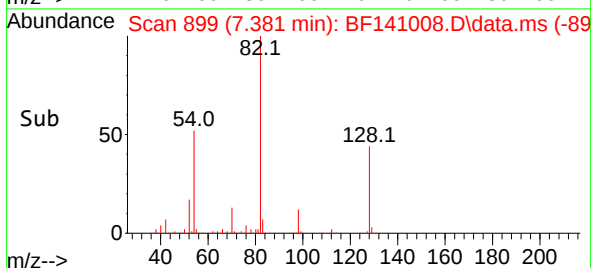
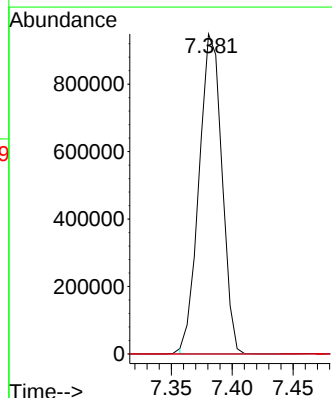
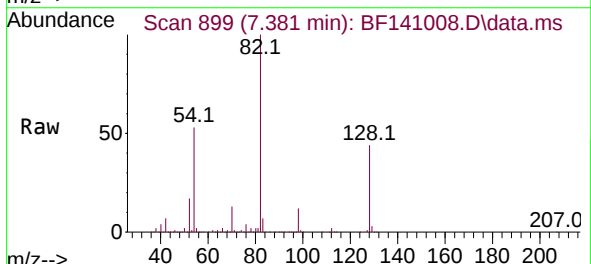
Delta R.T. -0.271 min

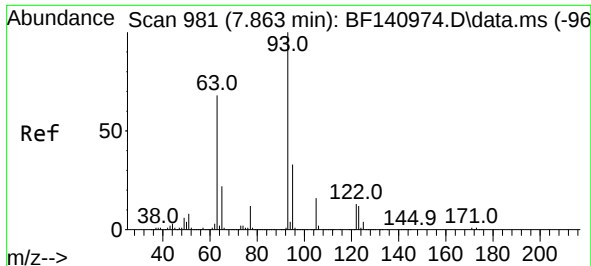
Lab File: BF141008.D

Acq: 27 Dec 2024 20:24

Tgt Ion: 82 Resp: 1236810

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.6	21.8#

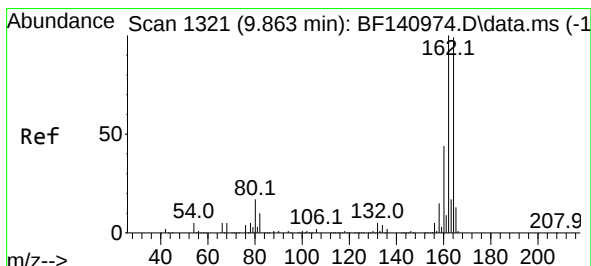
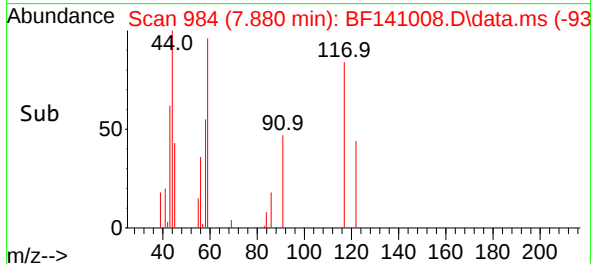
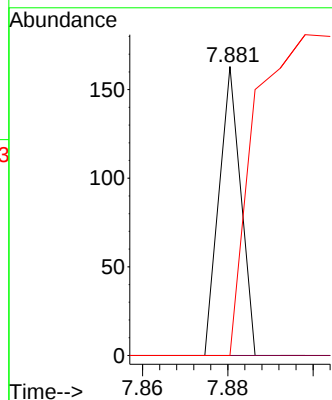
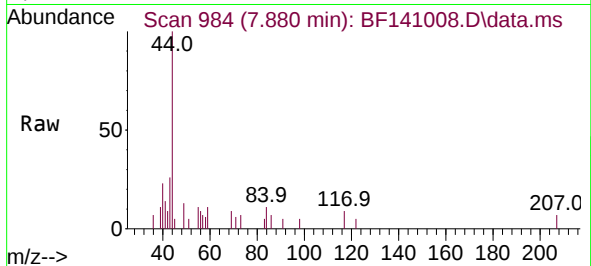




#32
Benzoic acid
Concen: 7.697 ng
RT: 7.880 min Scan# 981
Delta R.T. 0.017 min
Lab File: BF141008.D
Acq: 27 Dec 2024 20:24

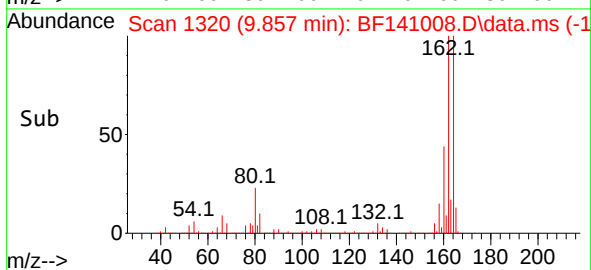
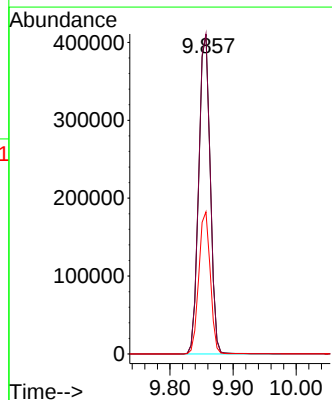
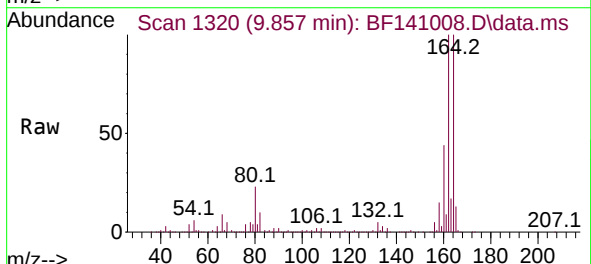
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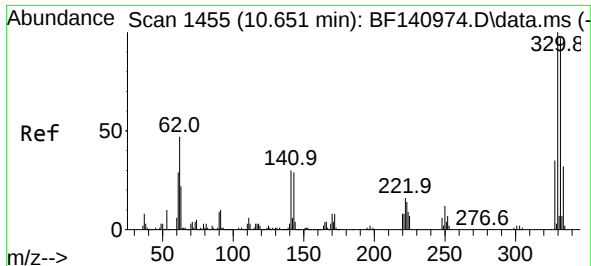
Tgt Ion:122 Resp: 57
Ion Ratio Lower Upper
122 100
105 0.0 105.4 145.4#
77 0.0 76.4 116.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF141008.D
Acq: 27 Dec 2024 20:24

Tgt Ion:164 Resp: 517375
Ion Ratio Lower Upper
164 100
162 100.1 80.6 120.8
160 44.4 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 86.621 ng

RT: 10.639 min Scan# 1453

Delta R.T. -0.012 min

Lab File: BF141008.D

Acq: 27 Dec 2024 20:24

Instrument :

BNA_F

ClientSampleId :

COMP-3

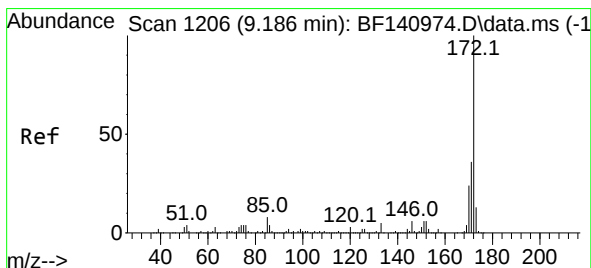
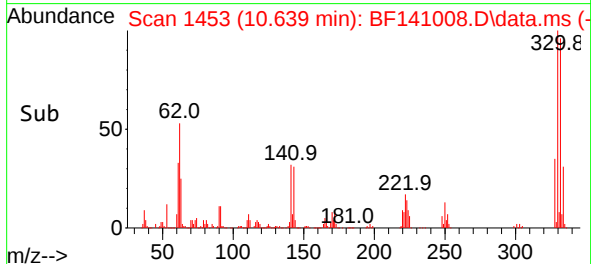
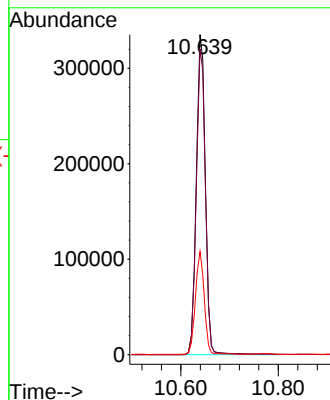
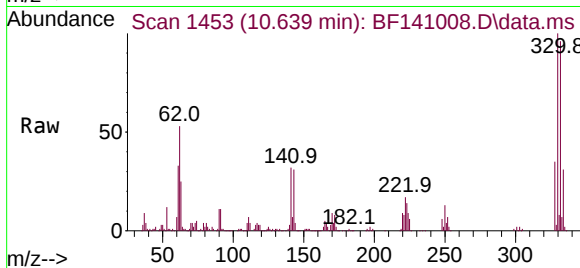
Tgt Ion:330 Resp: 435474

Ion Ratio Lower Upper

330 100

332 96.2 78.0 117.0

141 31.5 26.4 39.6



#45

2-Fluorobiphenyl

Concen: 67.683 ng

RT: 9.180 min Scan# 1205

Delta R.T. -0.006 min

Lab File: BF141008.D

Acq: 27 Dec 2024 20:24

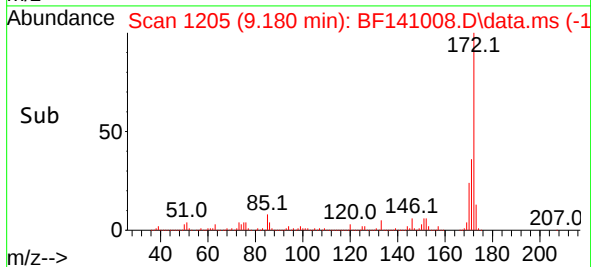
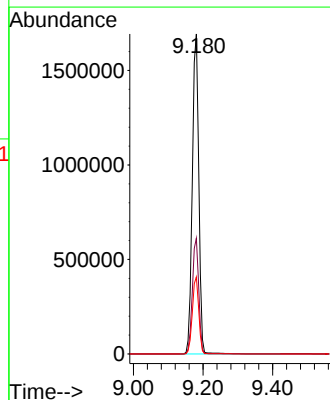
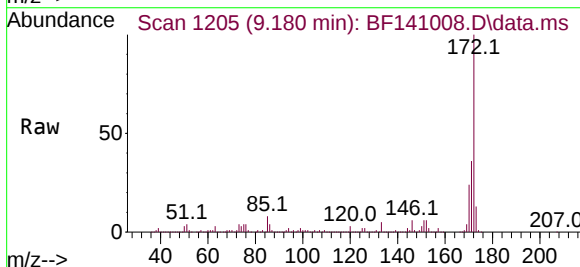
Tgt Ion:172 Resp: 2197892

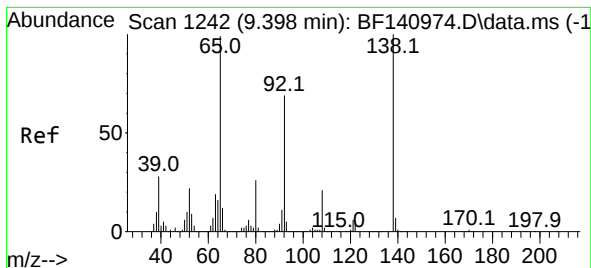
Ion Ratio Lower Upper

172 100

171 36.2 29.0 43.4

170 24.1 19.6 29.4





#48

2-Nitroaniline

Concen: 4.668 ng

RT: 9.451 min Scan# 11

Delta R.T. 0.053 min

Lab File: BF141008.D

Acq: 27 Dec 2024 20:24

Instrument :

BNA_F

ClientSampleId :

COMP-3

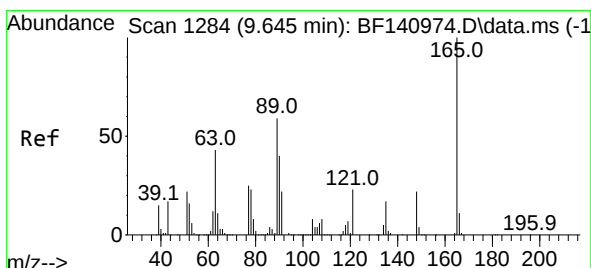
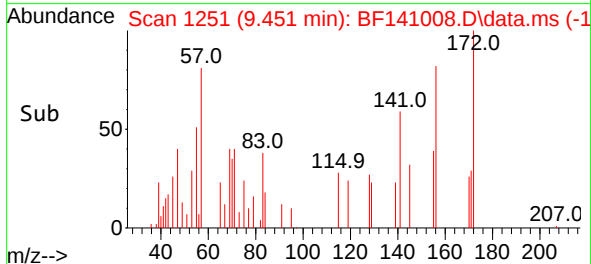
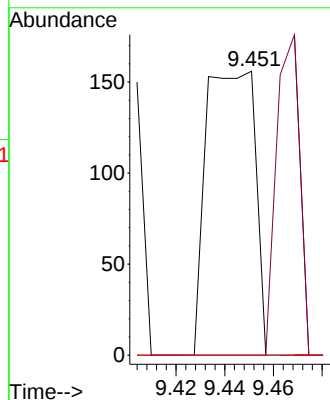
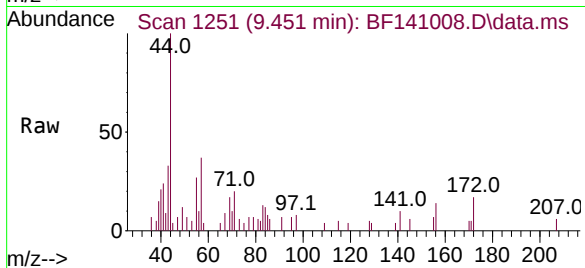
Tgt Ion: 65 Resp: 216

Ion Ratio Lower Upper

65 100

92 0.0 55.6 83.4#

138 0.0 80.5 120.7#



#51

2,6-Dinitrotoluene

Concen: 12.674 ng

RT: 9.857 min Scan# 1320

Delta R.T. 0.212 min

Lab File: BF141008.D

Acq: 27 Dec 2024 20:24

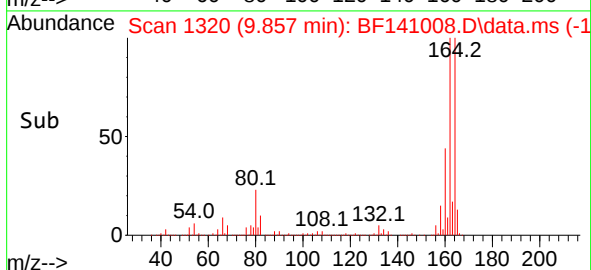
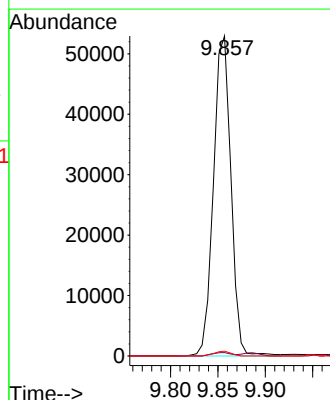
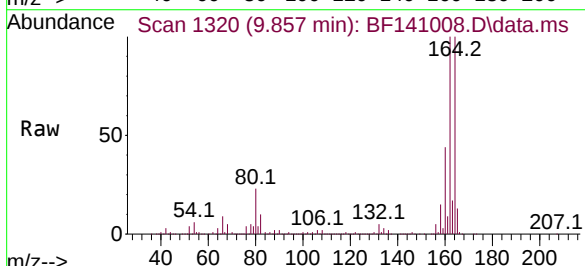
Tgt Ion: 165 Resp: 67757

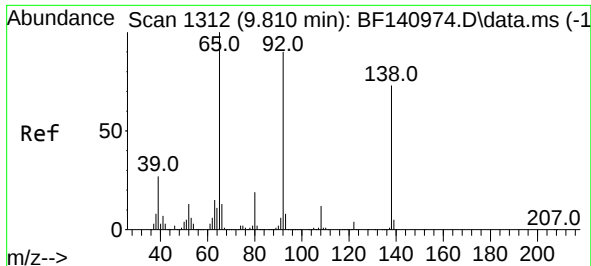
Ion Ratio Lower Upper

165 100

63 1.0 47.1 70.7#

89 1.5 47.0 70.4#

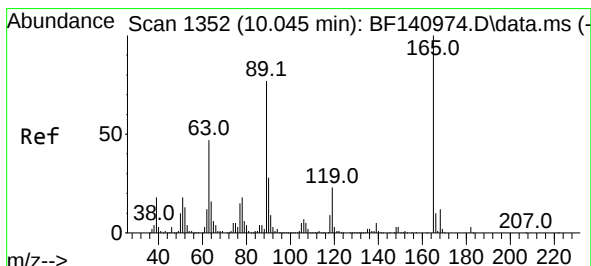
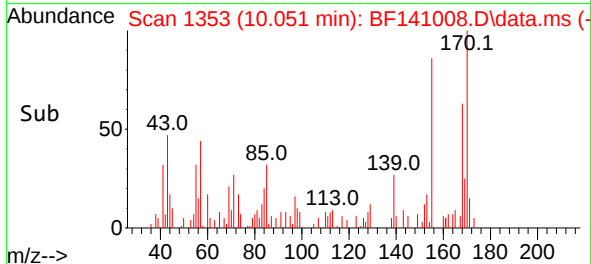
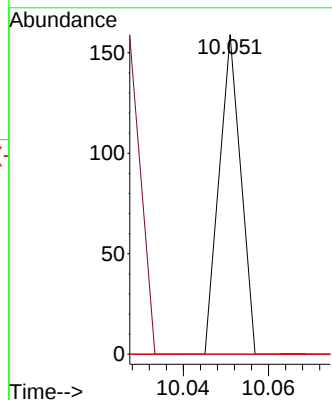
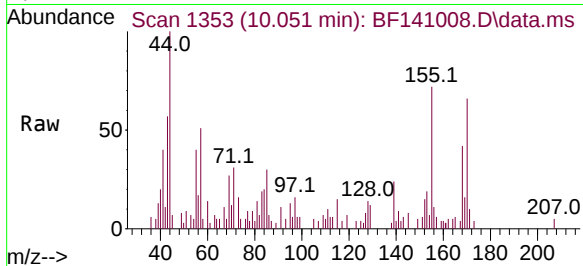




#53
3-Nitroaniline
Concen: 3.272 ng
RT: 10.051 min Scan# 11
Delta R.T. 0.241 min
Lab File: BF141008.D
Acq: 27 Dec 2024 20:24

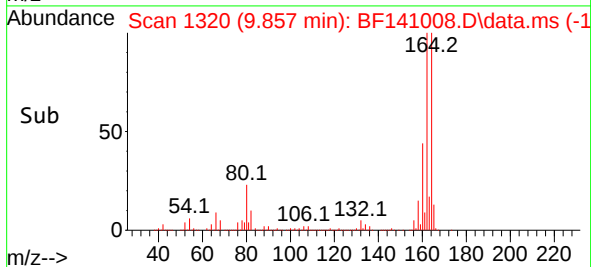
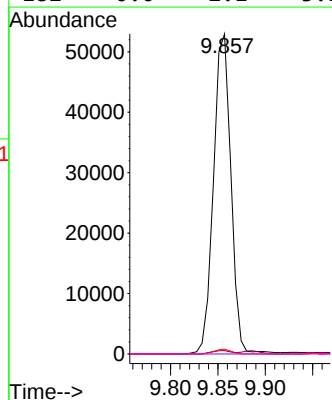
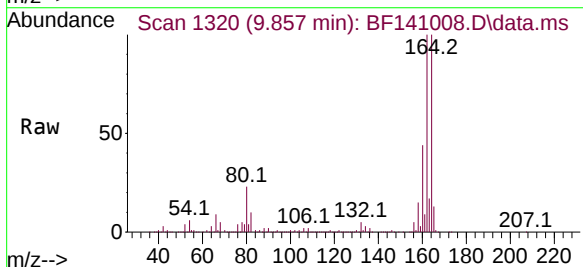
Instrument :
BNA_F
ClientSampleId :
COMP-3

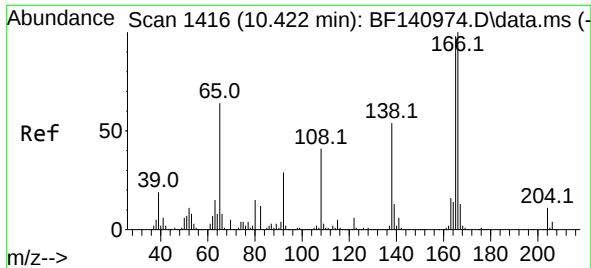
Tgt Ion:138 Resp: 56
Ion Ratio Lower Upper
138 100
108 0.0 13.5 20.3#
92 0.0 97.7 146.5#



#57
2,4-Dinitrotoluene
Concen: 11.730 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.188 min
Lab File: BF141008.D
Acq: 27 Dec 2024 20:24

Tgt Ion:165 Resp: 67757
Ion Ratio Lower Upper
165 100
63 1.0 38.1 57.1#
89 1.5 61.4 92.2#
182 0.0 2.1 3.1#

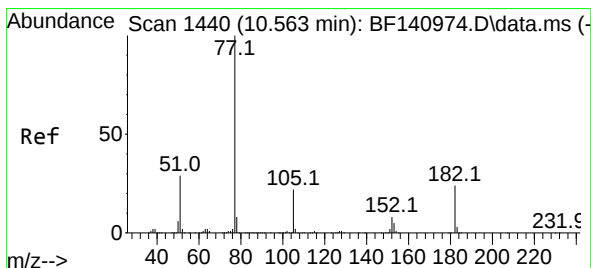
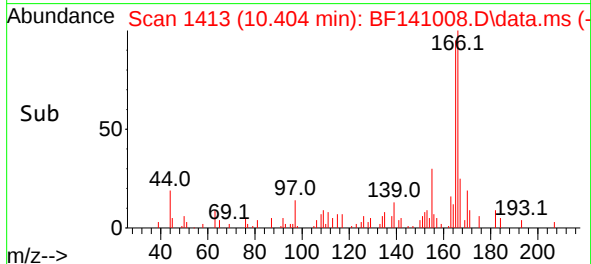
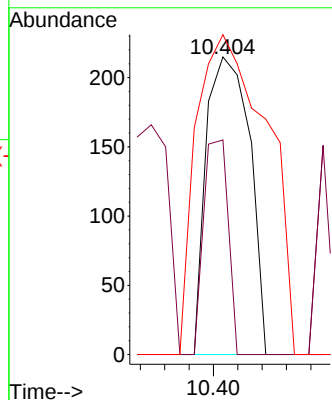
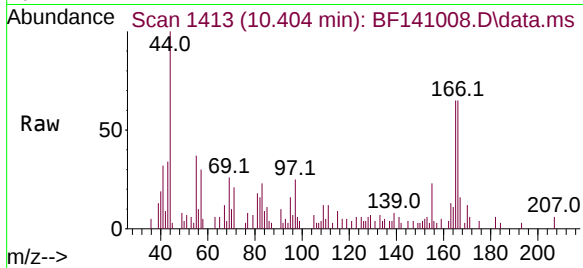




#62
4-Nitroaniline
Concen: 3.379 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.018 min
Lab File: BF141008.D
Acq: 27 Dec 2024 20:24

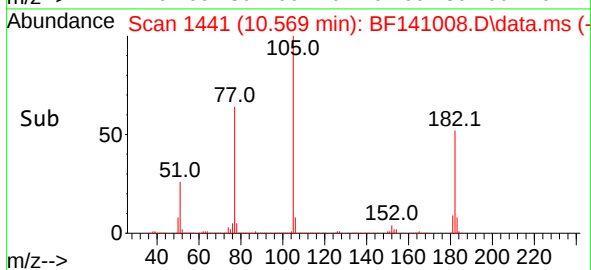
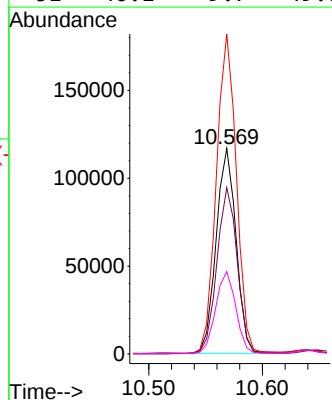
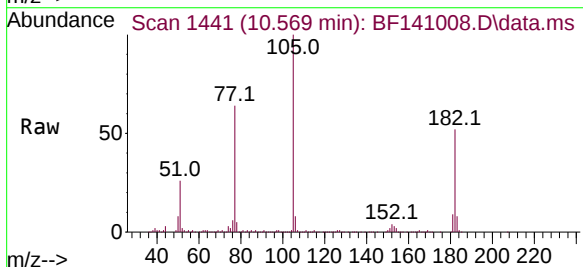
Instrument :
BNA_F
ClientSampleId :
COMP-3

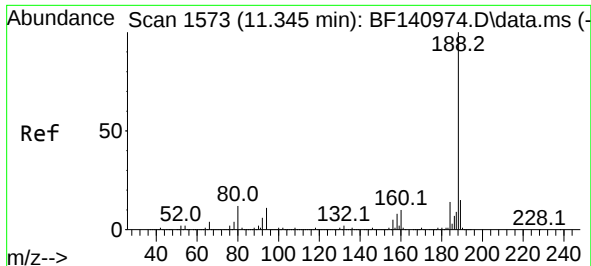
Tgt Ion:138 Resp: 266
Ion Ratio Lower Upper
138 100
92 72.1 34.8 74.8
108 107.4 55.9 95.9#



#63
Azobenzene
Concen: 4.036 ng
RT: 10.569 min Scan# 1441
Delta R.T. 0.006 min
Lab File: BF141008.D
Acq: 27 Dec 2024 20:24

Tgt Ion: 77 Resp: 142317
Ion Ratio Lower Upper
77 100
182 80.9 4.1 44.1#
105 155.8 1.8 41.8#
51 40.1 9.7 49.7

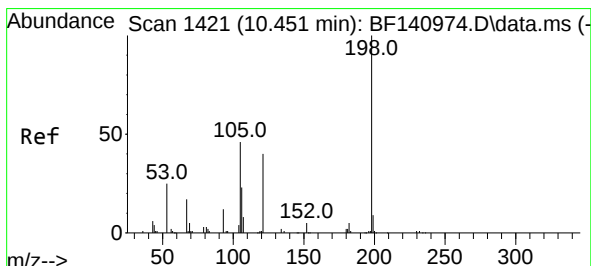
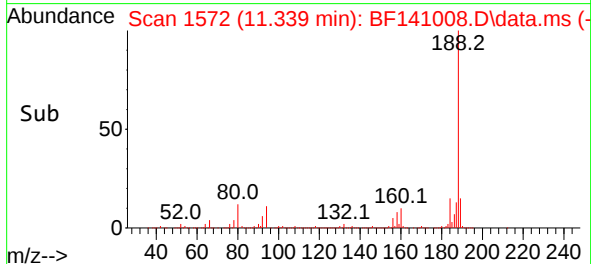
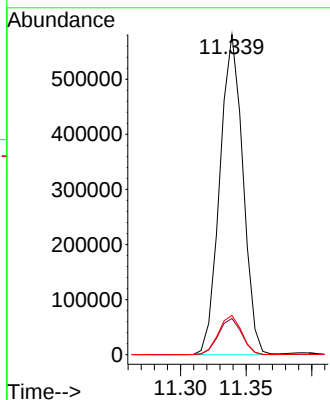
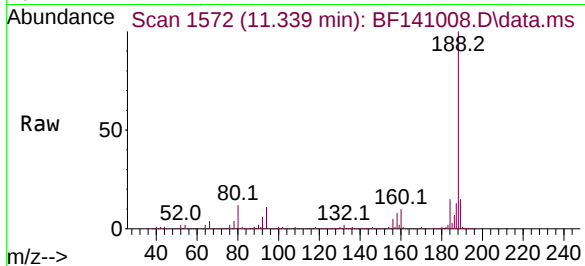




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141008.D
Acq: 27 Dec 2024 20:24

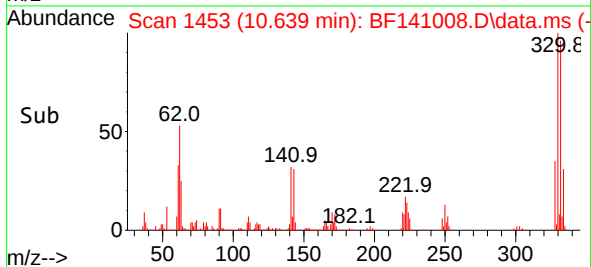
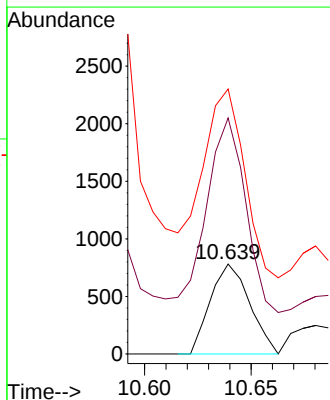
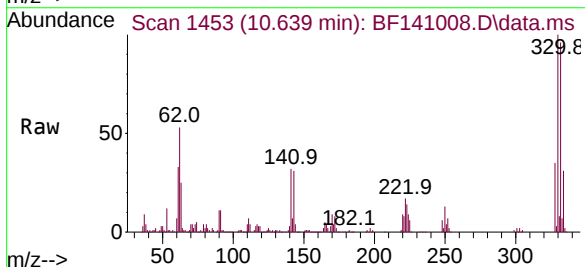
Instrument :
BNA_F
ClientSampleId :
COMP-3

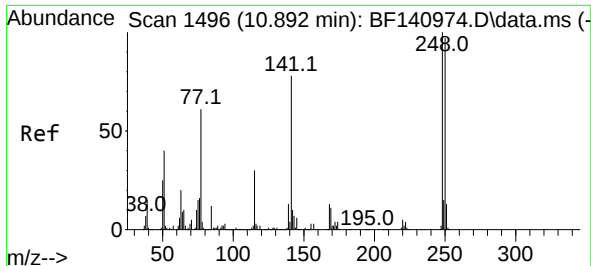
Tgt Ion:188 Resp: 711998
Ion Ratio Lower Upper
188 100
94 11.3 9.0 13.6
80 12.2 9.8 14.6



#65
4,6-Dinitro-2-methylphenol
Concen: 9.628 ng
RT: 10.639 min Scan# 1453
Delta R.T. 0.188 min
Lab File: BF141008.D
Acq: 27 Dec 2024 20:24

Tgt Ion:198 Resp: 1002
Ion Ratio Lower Upper
198 100
51 262.3 32.3 72.3#
105 294.4 28.4 68.4#

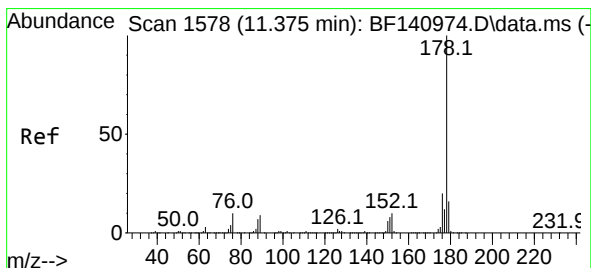
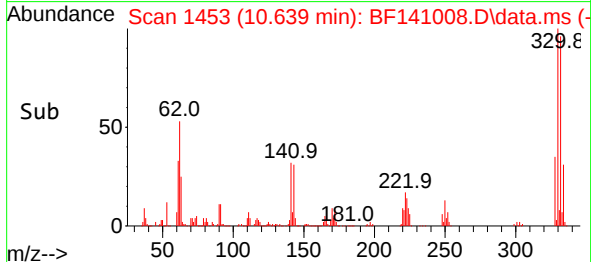
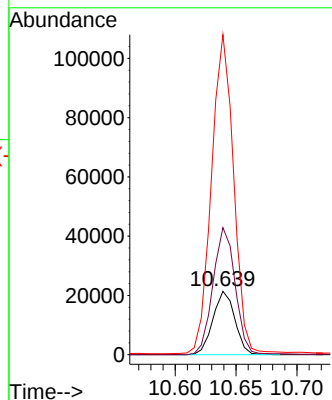
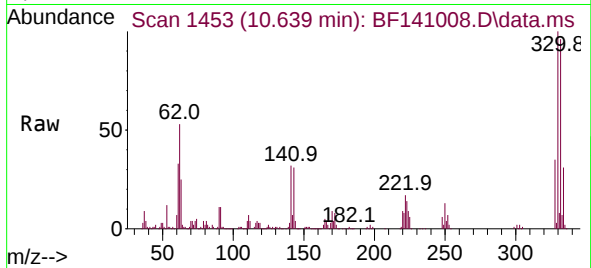




#67
4-Bromophenyl-phenylether
Concen: 3.482 ng
RT: 10.639 min Scan# 1496
Delta R.T. -0.253 min
Lab File: BF141008.D
Acq: 27 Dec 2024 20:24

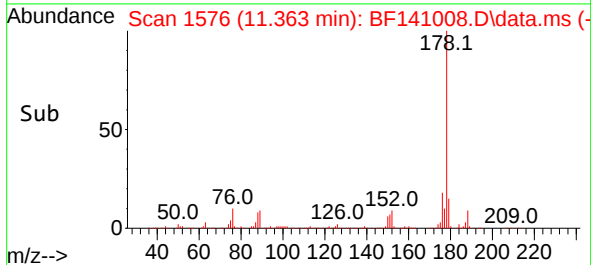
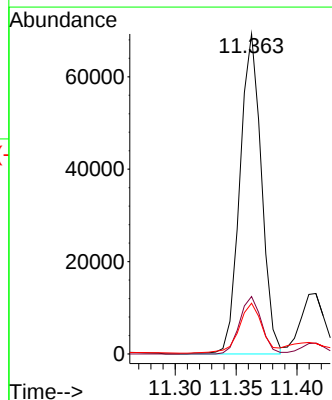
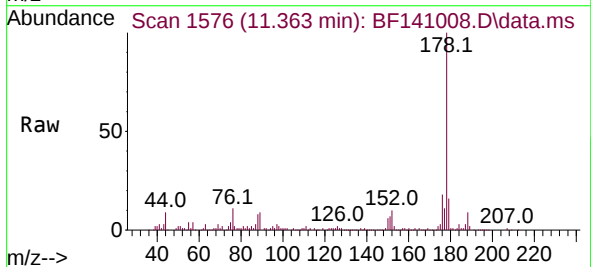
Instrument :
BNA_F
ClientSampleId :
COMP-3

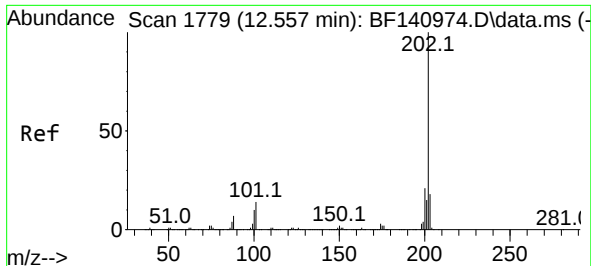
Tgt Ion:248 Resp: 26798
Ion Ratio Lower Upper
248 100
250 200.2 77.7 116.5#
141 504.5 62.1 93.1#



#71
Phenanthrene
Concen: 2.272 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.012 min
Lab File: BF141008.D
Acq: 27 Dec 2024 20:24

Tgt Ion:178 Resp: 85156
Ion Ratio Lower Upper
178 100
176 18.0 15.8 23.6
179 15.9 12.6 19.0

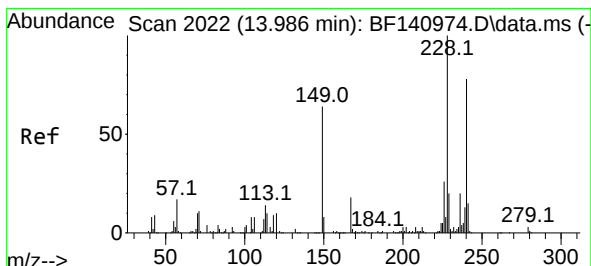
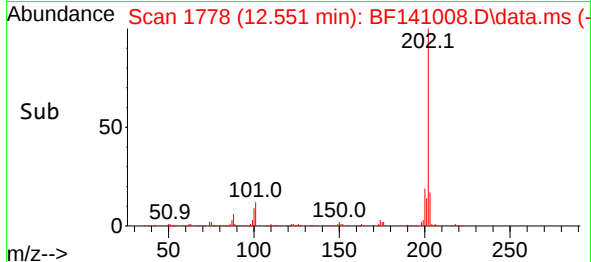
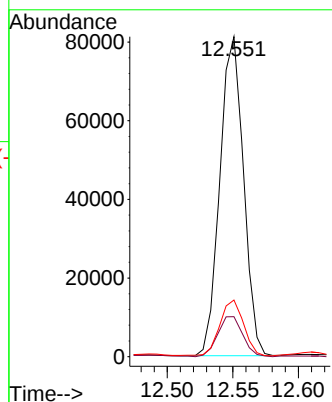
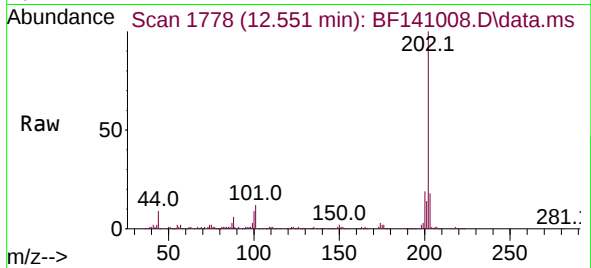




#75
Fluoranthene
Concen: 2.501 ng
RT: 12.551 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141008.D
Acq: 27 Dec 2024 20:24

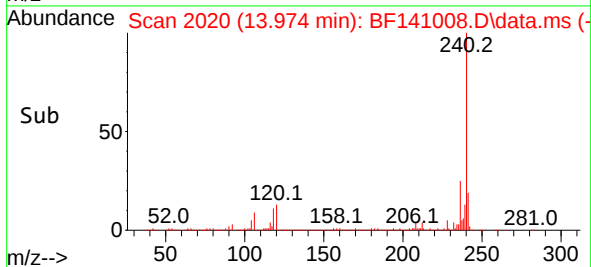
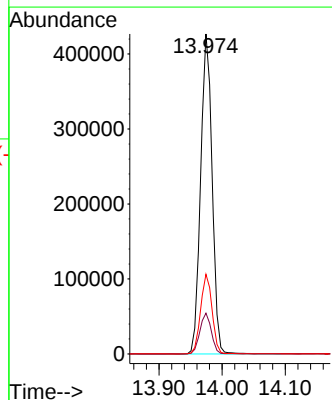
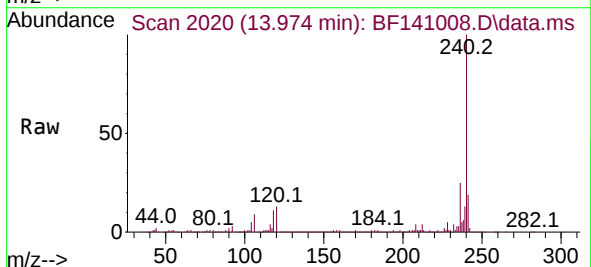
Instrument :
BNA_F
ClientSampleId :
COMP-3

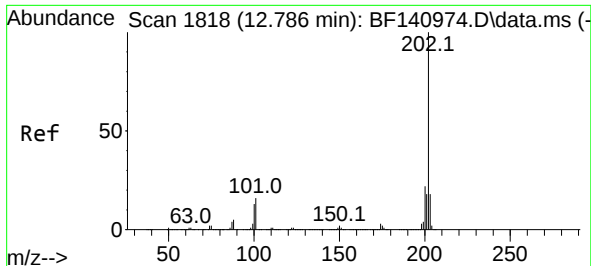
Tgt Ion:202 Resp: 101661
Ion Ratio Lower Upper
202 100
101 12.5 0.0 33.7
203 17.7 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF141008.D
Acq: 27 Dec 2024 20:24

Tgt Ion:240 Resp: 540701
Ion Ratio Lower Upper
240 100
120 12.8 10.7 16.1
236 24.9 20.6 31.0

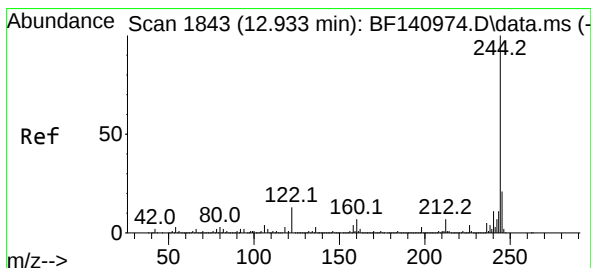
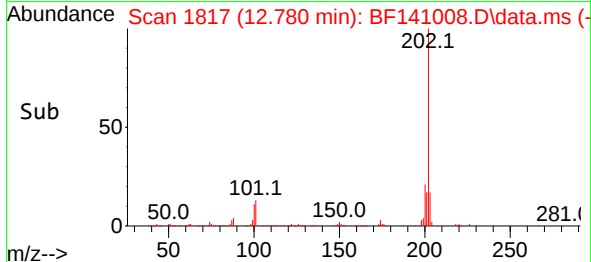
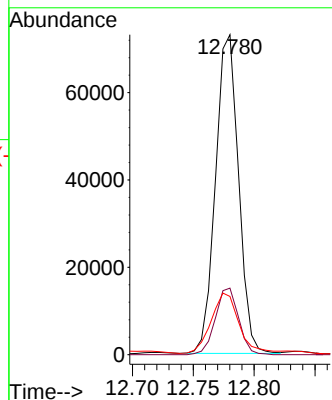
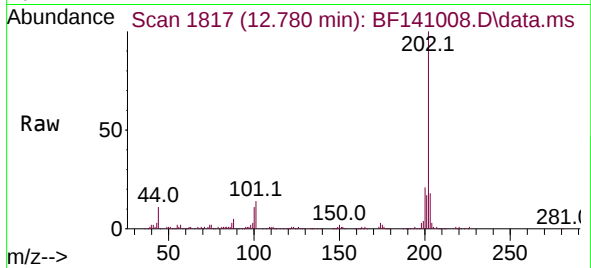




#78
Pyrene
Concen: 2.032 ng
RT: 12.780 min Scan# 1817
Delta R.T. -0.006 min
Lab File: BF141008.D
Acq: 27 Dec 2024 20:24

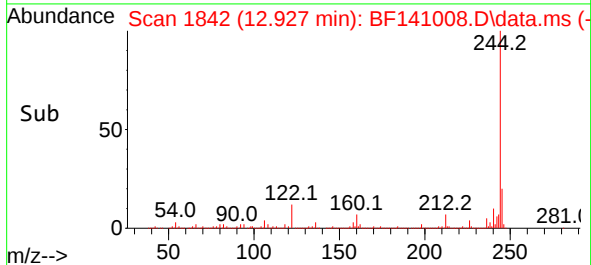
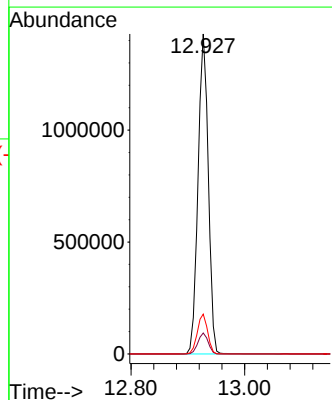
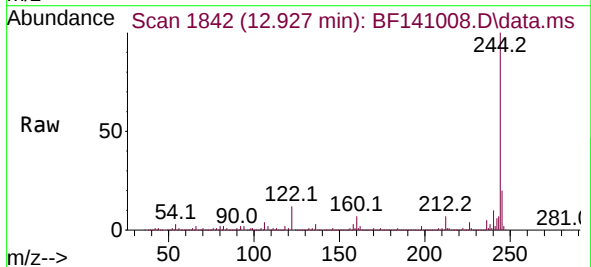
Instrument :
BNA_F
ClientSampleId :
COMP-3

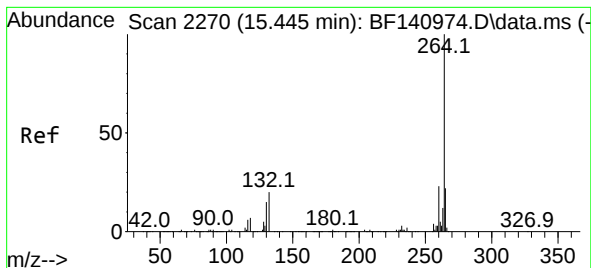
Tgt Ion:202 Resp: 96107
Ion Ratio Lower Upper
202 100
200 20.8 17.3 25.9
203 18.2 14.6 21.8



#79
Terphenyl-d14
Concen: 55.288 ng
RT: 12.927 min Scan# 1842
Delta R.T. -0.006 min
Lab File: BF141008.D
Acq: 27 Dec 2024 20:24

Tgt Ion:244 Resp: 1799788
Ion Ratio Lower Upper
244 100
212 6.6 5.7 8.5
122 12.5 10.2 15.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.427 min Scan# 2196

Delta R.T. -0.018 min

Lab File: BF141008.D

Acq: 27 Dec 2024 20:24

Instrument :

BNA_F

ClientSampleId :

COMP-3

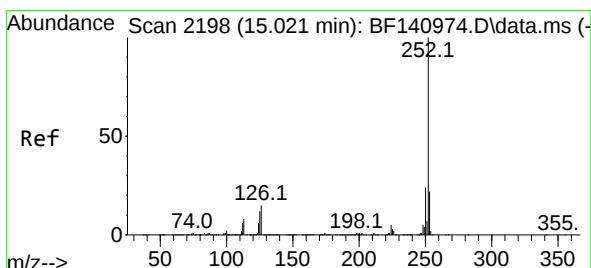
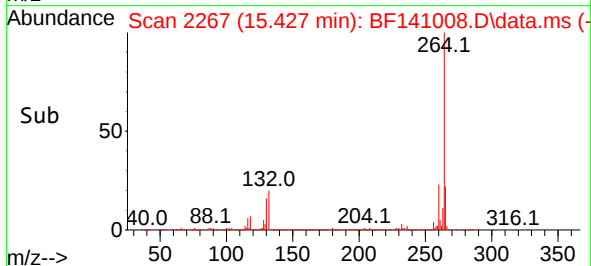
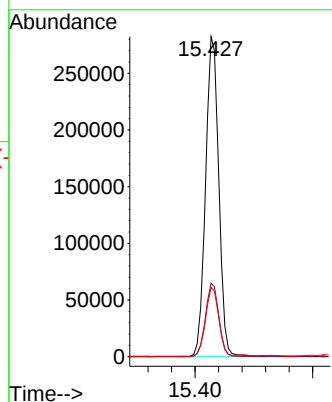
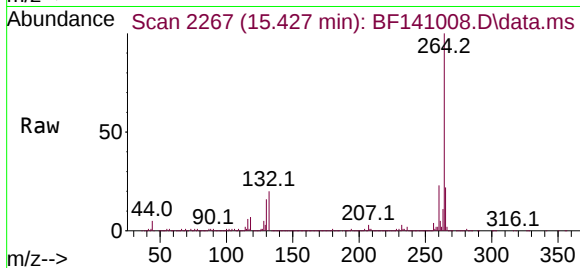
Tgt Ion:264 Resp: 441127

Ion Ratio Lower Upper

264 100

260 23.0 18.7 28.1

265 21.6 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 2.153 ng

RT: 15.009 min Scan# 2196

Delta R.T. -0.012 min

Lab File: BF141008.D

Acq: 27 Dec 2024 20:24

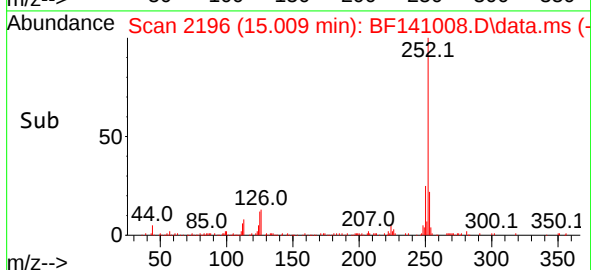
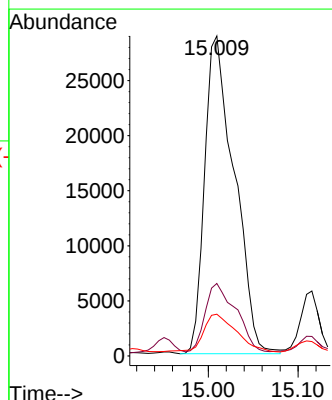
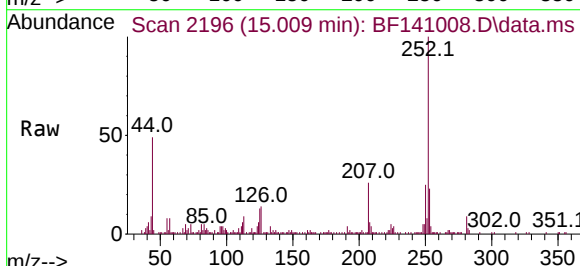
Tgt Ion:252 Resp: 66225

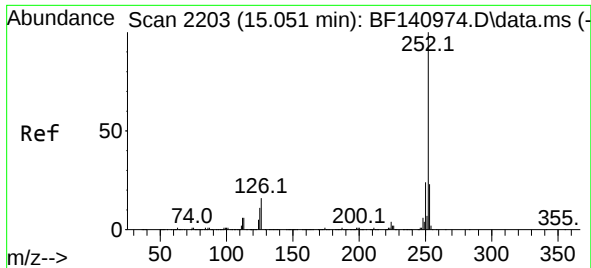
Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

125 13.0 9.3 13.9





#89

Benzo(k)fluoranthene

Concen: 2.746 ng

RT: 15.009 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF141008.D

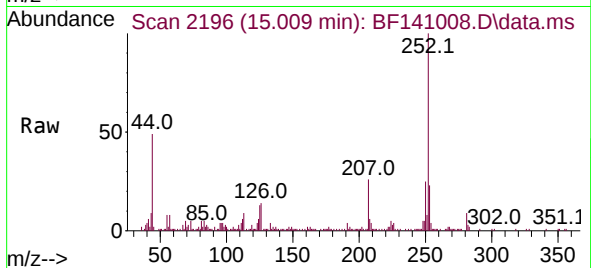
Acq: 27 Dec 2024 20:24

Instrument :

BNA_F

ClientSampleId :

COMP-3



Tgt Ion:252 Resp: 66225

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.8

125 13.0 9.4 14.0

