

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092823\
 Data File : BF135494.D
 Acq On : 28 Sep 2023 15:34
 Operator : CG\JU
 Sample : 04620-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CON-SUPPORT-A

Quant Time: Sep 29 00:23:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 28 19:03:19 2023
 Response via : Initial Calibration

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

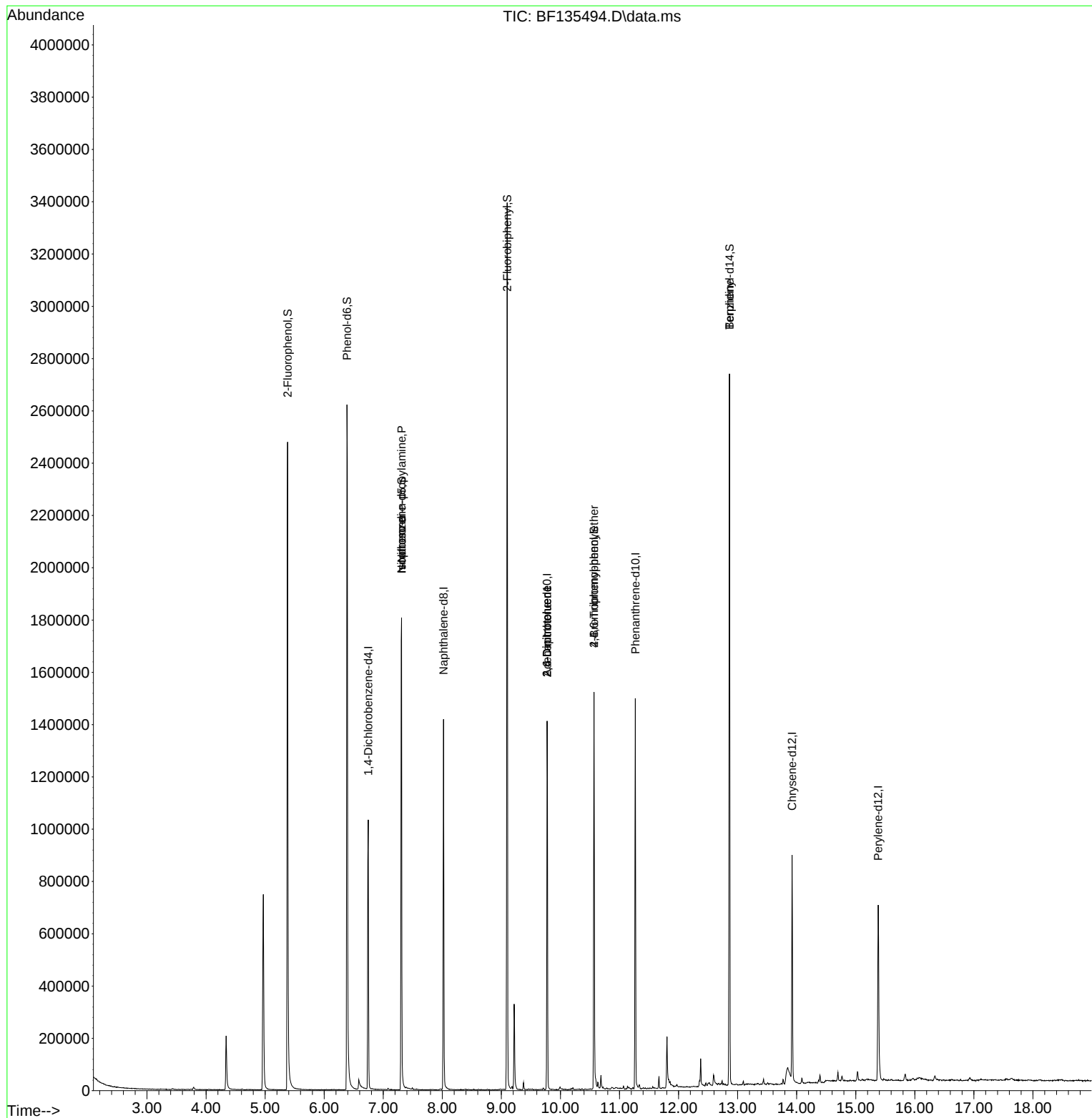
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.745	152	153467	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	593600	20.000	ng	# 0.00
39) Acenaphthene-d10	9.775	164	284536	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	516798	20.000	ng	# 0.00
76) Chrysene-d12	13.921	240	281005	20.000	ng	0.00
86) Perylene-d12	15.380	264	317557	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	706609	74.887	ng	0.00
7) Phenol-d6	6.387	99	942331	78.540	ng	-0.01
23) Nitrobenzene-d5	7.310	82	594597	54.421	ng	0.00
42) 2,4,6-Tribromophenol	10.569	330	161589	57.147	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1044896	55.404	ng	0.00
79) Terphenyl-d14	12.863	244	933744	51.511	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.310	70	76854	10.342	ng	# 76
25) Isophorone	7.310	82	594590	29.636	ng	# 65
51) 2,6-Dinitrotoluene	9.775	165	35978	8.537	ng	# 17
57) 2,4-Dinitrotoluene	9.775	165	35978	6.819	ng	# 19
67) 4-Bromophenyl-phenylether	10.569	248	10728	2.087	ng	# 1
77) Benzidine	12.863	184	11921	2.071	ng	# 90

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

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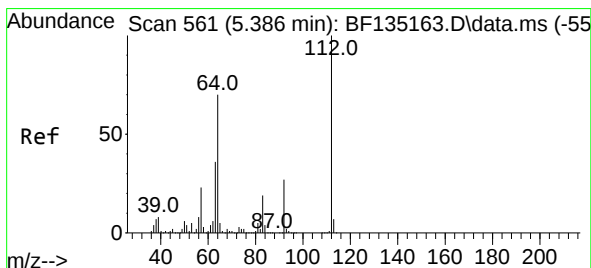
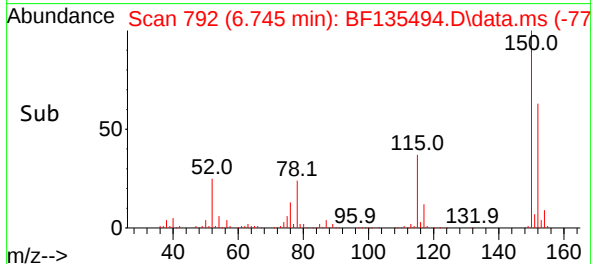
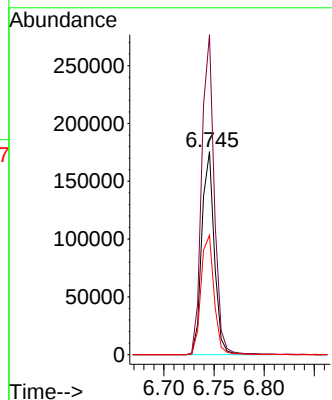
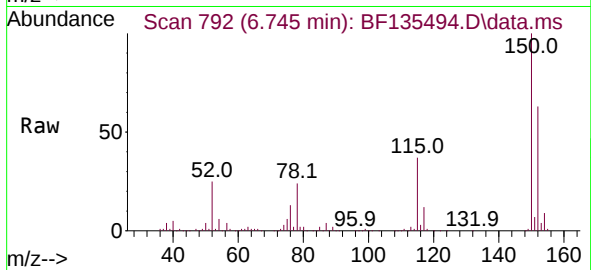




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.745 min Scan# 795
Delta R.T. -0.001 min
Lab File: BF135494.D
Acq: 28 Sep 2023 15:34

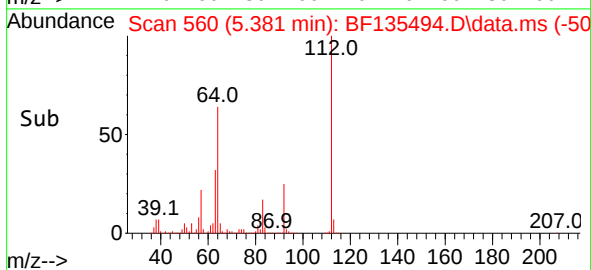
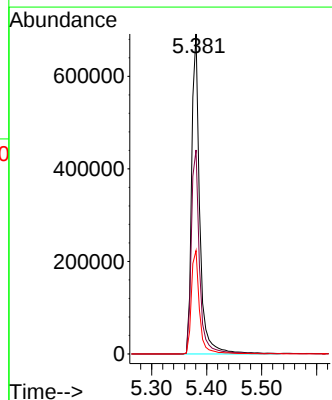
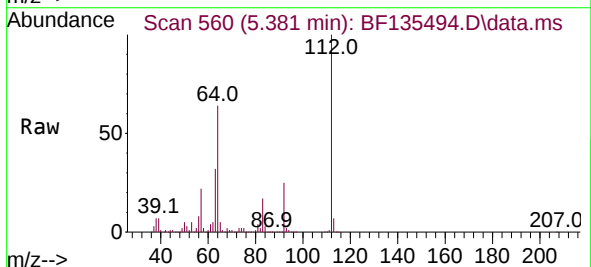
Instrument :
BNA_F
ClientSampleId :
CON-SUPPORT-A

Tgt Ion:152 Resp: 153467
Ion Ratio Lower Upper
152 100
150 157.6 127.8 191.6
115 58.9 49.8 74.8



#5
2-Fluorophenol
Concen: 74.887 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.006 min
Lab File: BF135494.D
Acq: 28 Sep 2023 15:34

Tgt Ion:112 Resp: 706609
Ion Ratio Lower Upper
112 100
64 63.7 55.9 83.9
63 32.3 29.0 43.6





#7

Phenol-d6

Concen: 78.540 ng

RT: 6.387 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF135494.D

Acq: 28 Sep 2023 15:34

Instrument :

BNA_F

ClientSampleId :

CON-SUPPORT-A

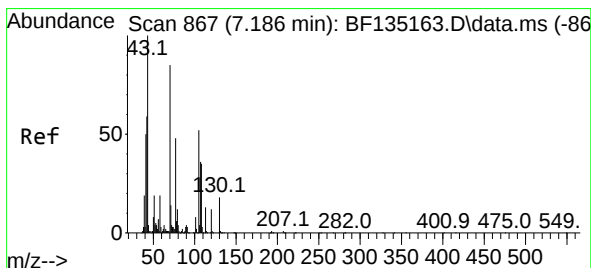
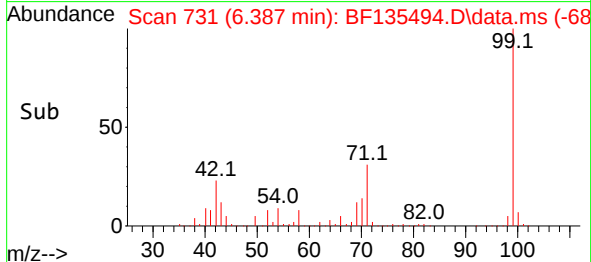
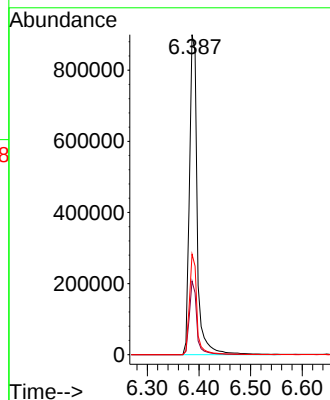
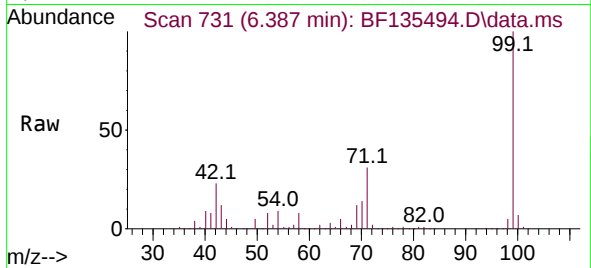
Tgt Ion: 99 Resp: 942331

Ion Ratio Lower Upper

99 100

42 23.0 17.9 26.9

71 31.4 27.0 40.6



#19

n-Nitroso-di-n-propylamine

Concen: 10.342 ng

RT: 7.310 min Scan# 888

Delta R.T. 0.147 min

Lab File: BF135494.D

Acq: 28 Sep 2023 15:34

Tgt Ion: 70 Resp: 76854

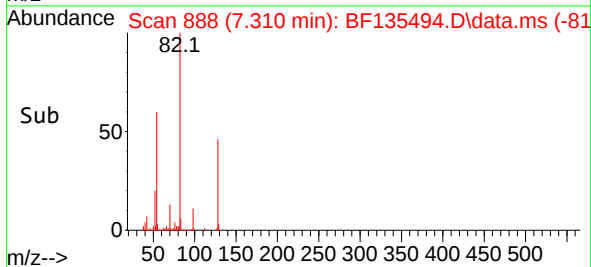
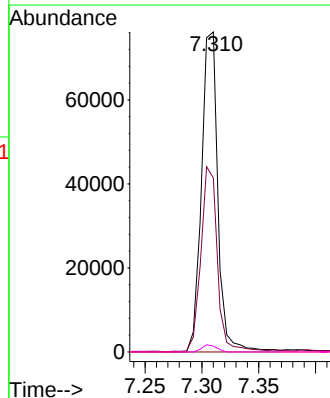
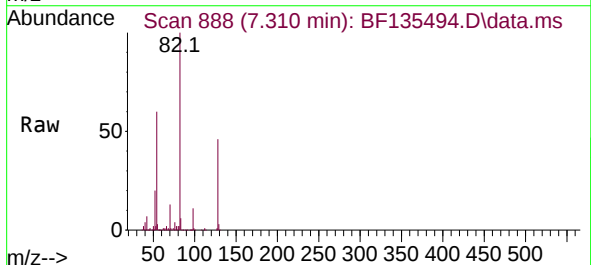
Ion Ratio Lower Upper

70 100

42 54.4 55.4 83.0#

101 0.0 7.7 11.5#

130 1.9 17.0 25.6#

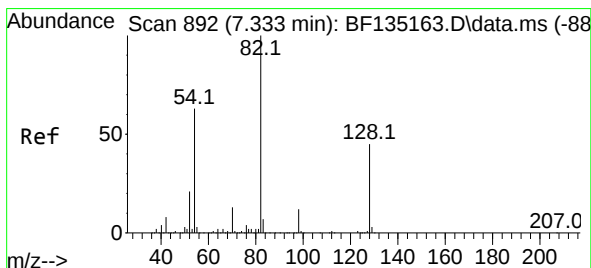
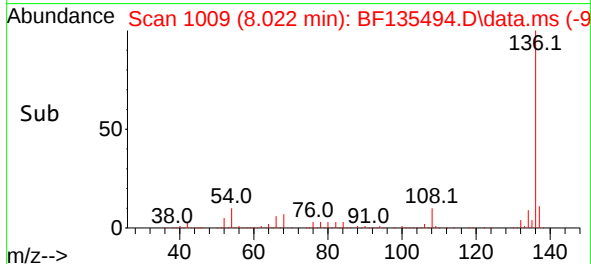
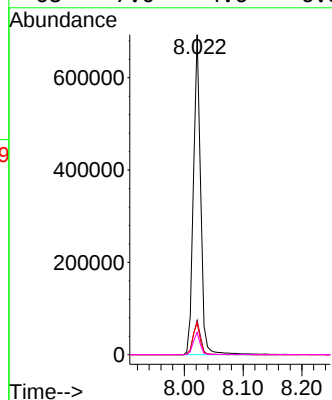
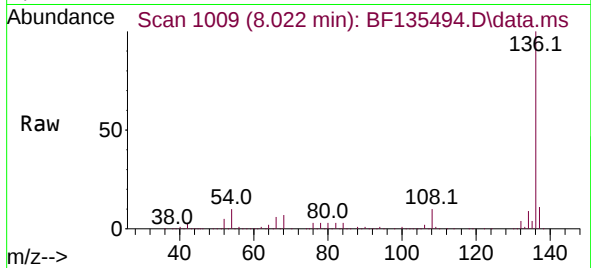




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF135494.D
Acq: 28 Sep 2023 15:34

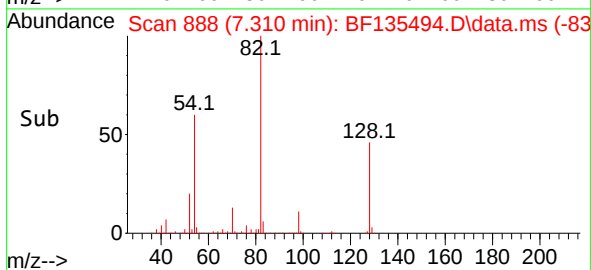
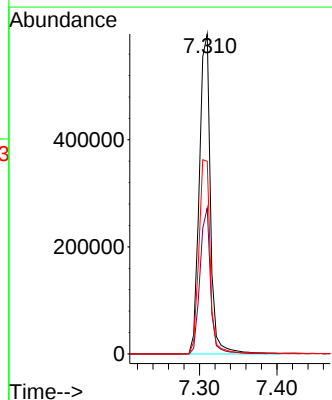
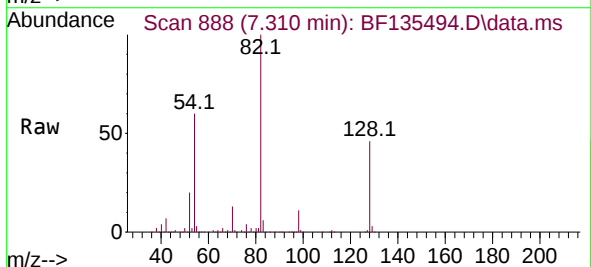
Instrument :
BNA_F
ClientSampleId :
CON-SUPPORT-A

Tgt Ion:	136	Resp:	593600
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.8	13.2
54	9.8	7.7	11.5
68	7.0	4.6	6.8



#23
Nitrobenzene-d5
Concen: 54.421 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.006 min
Lab File: BF135494.D
Acq: 28 Sep 2023 15:34

Tgt Ion:	82	Resp:	594597
Ion Ratio	Lower	Upper	
82	100		
128	45.6	35.8	53.6
54	60.2	50.6	76.0

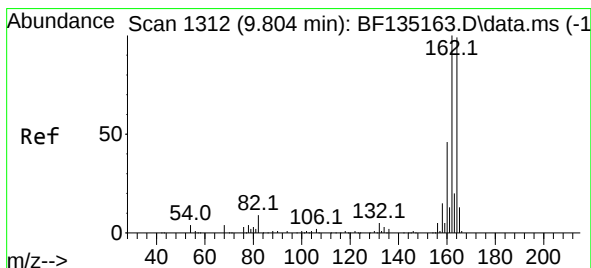
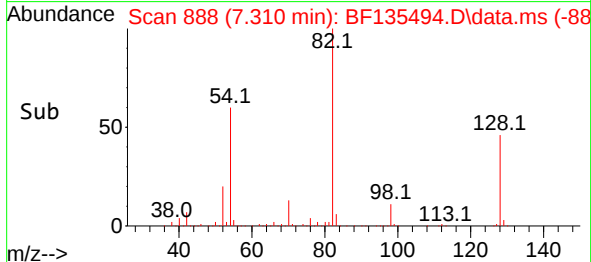
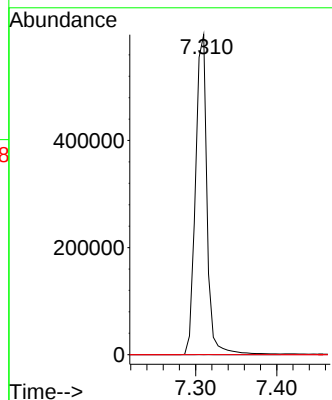
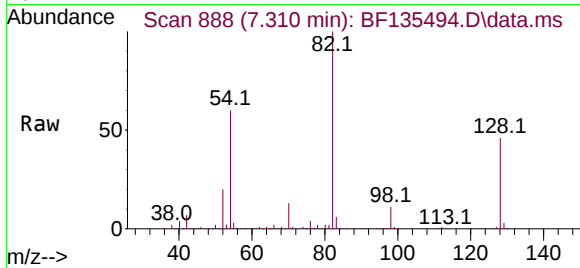




#25
Isophorone
Concen: 29.636 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135494.D
Acq: 28 Sep 2023 15:34

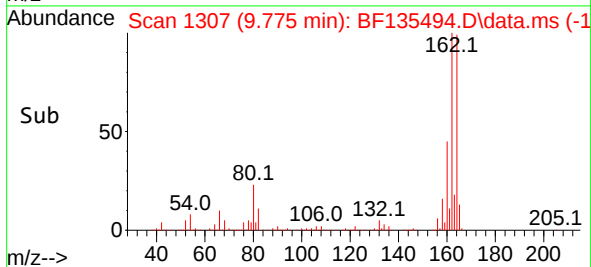
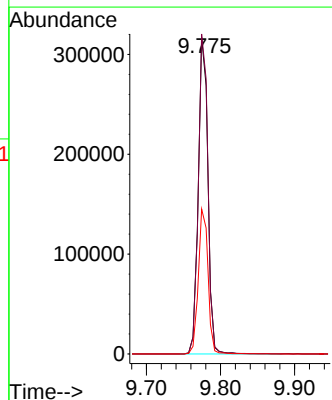
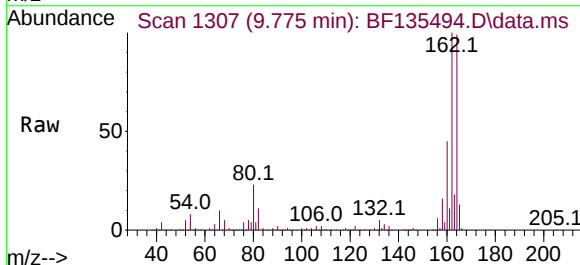
Instrument :
BNA_F
ClientSampleId :
CON-SUPPORT-A

Tgt Ion: 82 Resp: 594590
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BF135494.D
Acq: 28 Sep 2023 15:34

Tgt Ion: 164 Resp: 284536
Ion Ratio Lower Upper
164 100
162 101.1 81.0 121.4
160 45.8 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 57.147 ng

RT: 10.569 min Scan# 1447

Delta R.T. -0.006 min

Lab File: BF135494.D

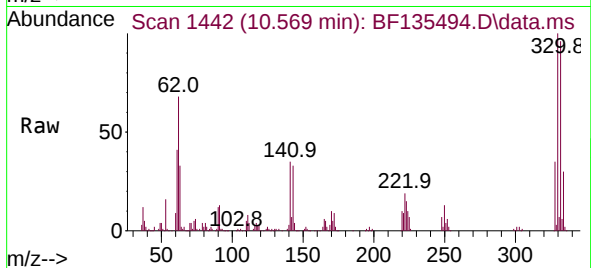
Acq: 28 Sep 2023 15:34

Instrument :

BNA_F

ClientSampleId :

CON-SUPPORT-A



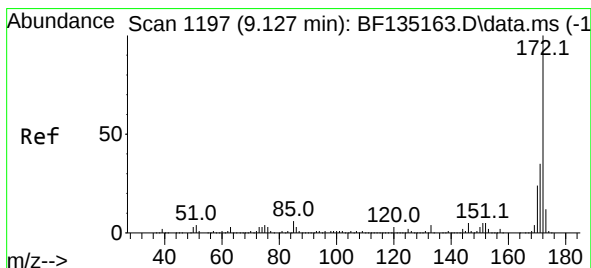
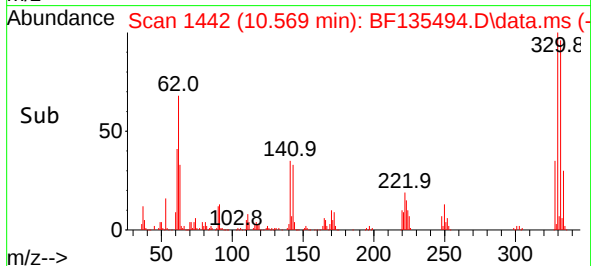
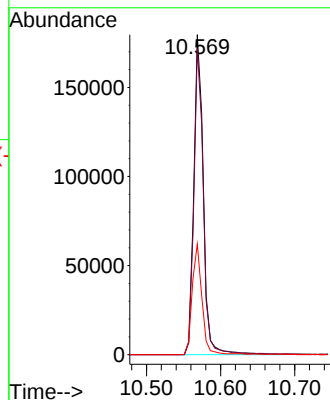
Tgt Ion:330 Resp: 161589

Ion Ratio Lower Upper

330 100

332 94.5 77.3 115.9

141 35.5 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 55.404 ng

RT: 9.098 min Scan# 1192

Delta R.T. -0.006 min

Lab File: BF135494.D

Acq: 28 Sep 2023 15:34

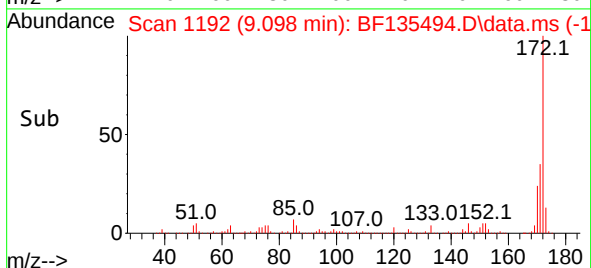
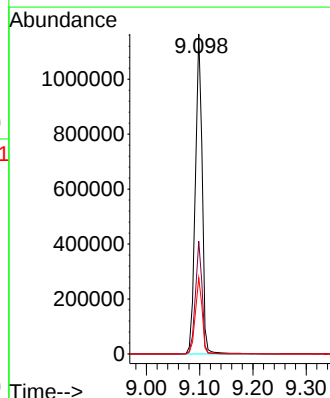
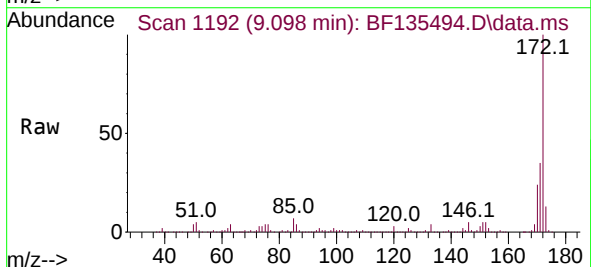
Tgt Ion:172 Resp: 1044896

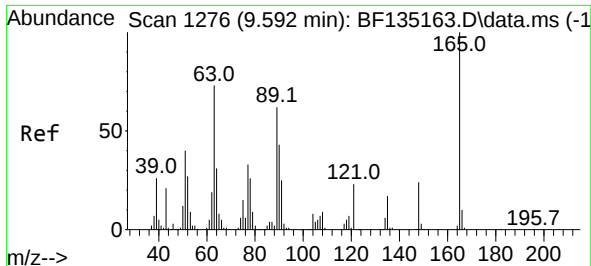
Ion Ratio Lower Upper

172 100

171 35.2 28.4 42.6

170 23.8 19.0 28.4





#51

2,6-Dinitrotoluene

Concen: 8.537 ng

RT: 9.775 min Scan# 1

Delta R.T. 0.194 min

Lab File: BF135494.D

Acq: 28 Sep 2023 15:34

Instrument :

BNA_F

ClientSampleId :

CON-SUPPORT-A

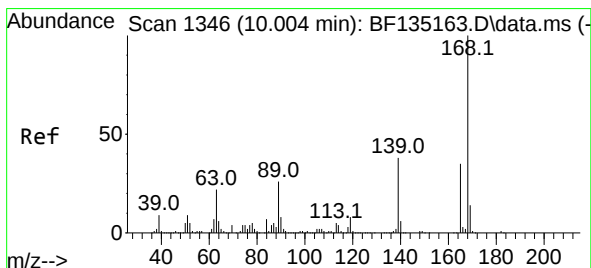
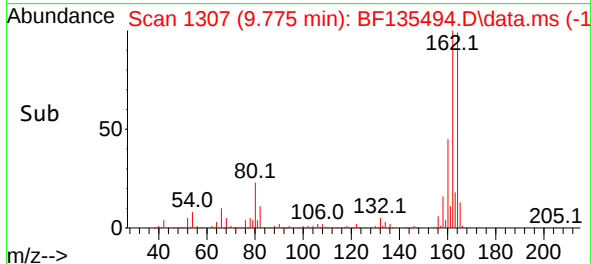
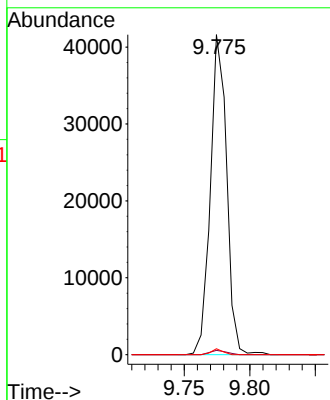
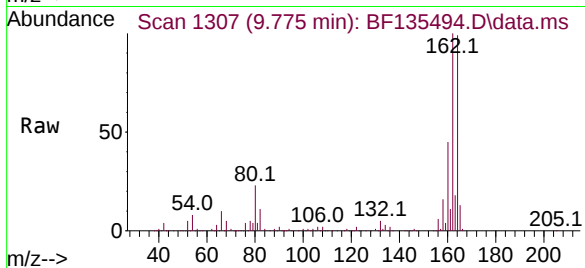
Tgt Ion:165 Resp: 35978

Ion Ratio Lower Upper

165 100

63 1.4 59.4 89.2#

89 1.8 49.8 74.8#



#57

2,4-Dinitrotoluene

Concen: 6.819 ng

RT: 9.775 min Scan# 1307

Delta R.T. -0.212 min

Lab File: BF135494.D

Acq: 28 Sep 2023 15:34

Tgt Ion:165 Resp: 35978

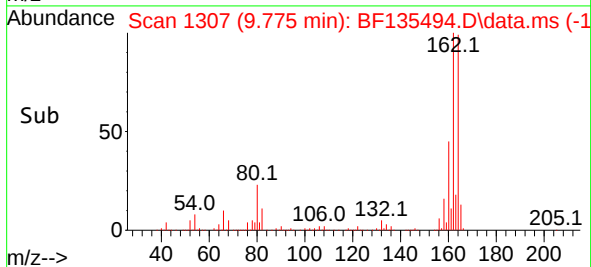
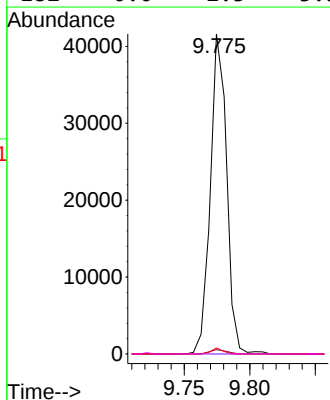
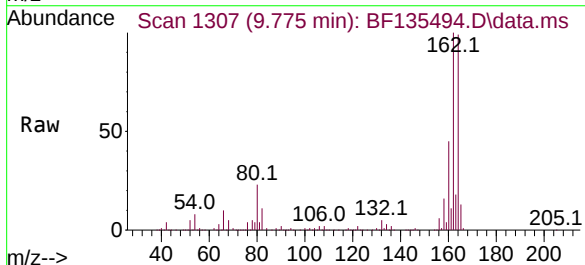
Ion Ratio Lower Upper

165 100

63 1.4 50.1 75.1#

89 1.8 59.3 88.9#

182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135494.D

Acq: 28 Sep 2023 15:34

Instrument :

BNA_F

ClientSampleId :

CON-SUPPORT-A

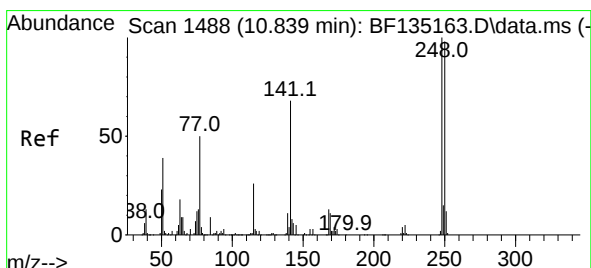
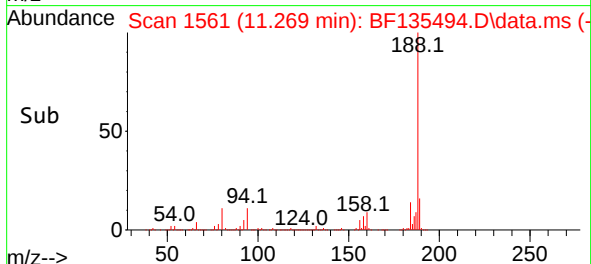
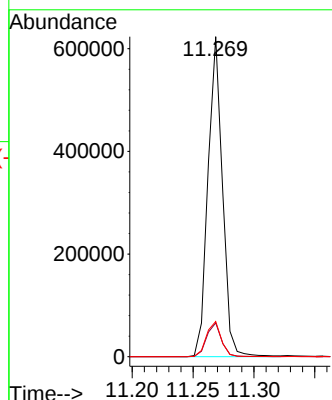
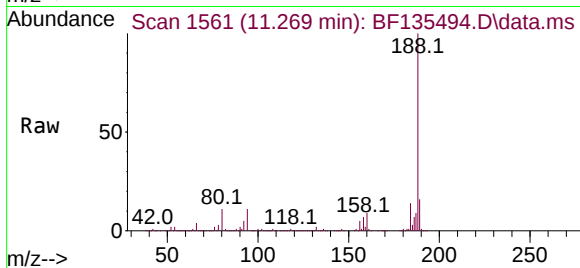
Tgt Ion:188 Resp: 516798

Ion Ratio Lower Upper

188 100

94 10.6 7.0 10.6#

80 11.0 7.5 11.3



#67

4-Bromophenyl-phenylether

Concen: 2.087 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.247 min

Lab File: BF135494.D

Acq: 28 Sep 2023 15:34

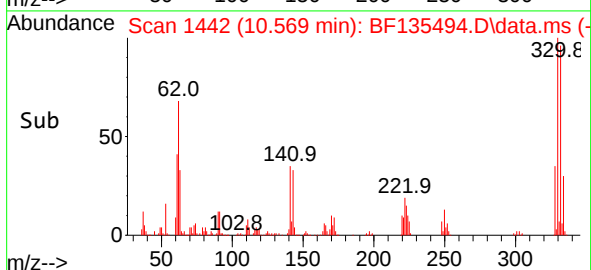
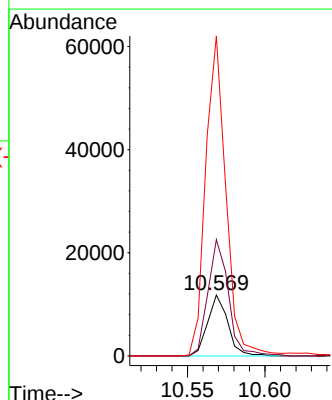
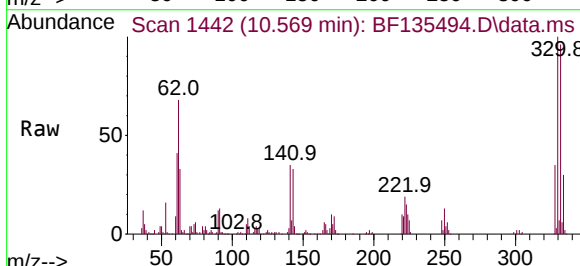
Tgt Ion:248 Resp: 10728

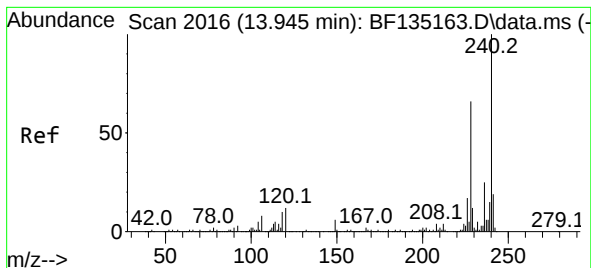
Ion Ratio Lower Upper

248 100

250 190.9 78.6 117.8#

141 524.9 54.2 81.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.921 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135494.D

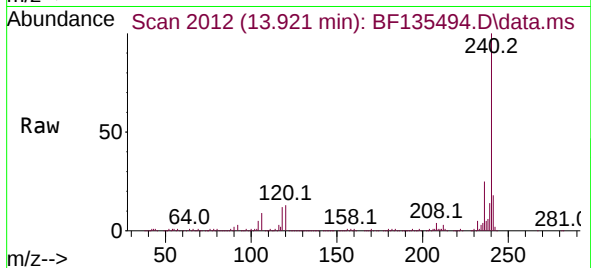
Acq: 28 Sep 2023 15:34

Instrument :

BNA_F

ClientSampleId :

CON-SUPPORT-A



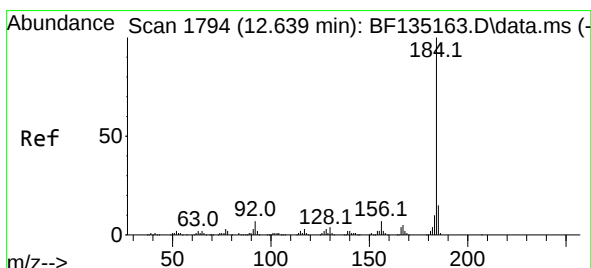
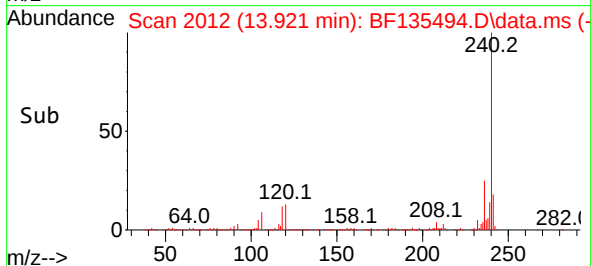
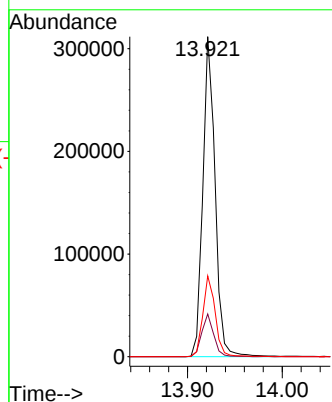
Tgt Ion:240 Resp: 281005

Ion Ratio Lower Upper

240 100

120 13.3 9.4 14.2

236 25.2 19.8 29.8



#77

Benzidine

Concen: 2.071 ng

RT: 12.863 min Scan# 1832

Delta R.T. 0.247 min

Lab File: BF135494.D

Acq: 28 Sep 2023 15:34

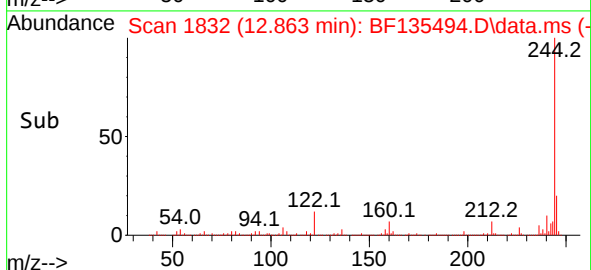
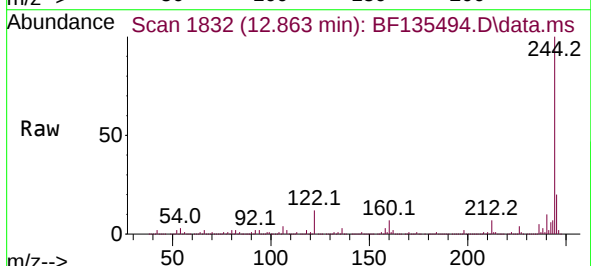
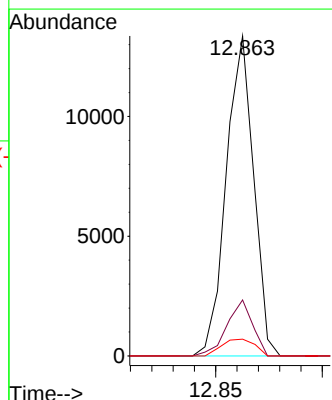
Tgt Ion:184 Resp: 11921

Ion Ratio Lower Upper

184 100

185 17.5 11.7 17.5

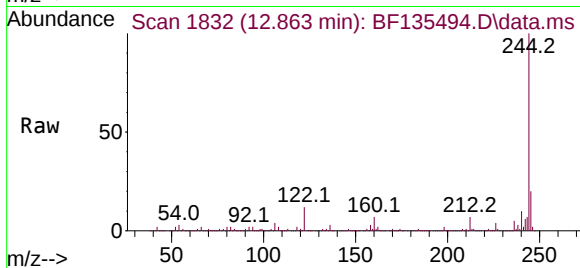
183 5.2 8.2 12.4#



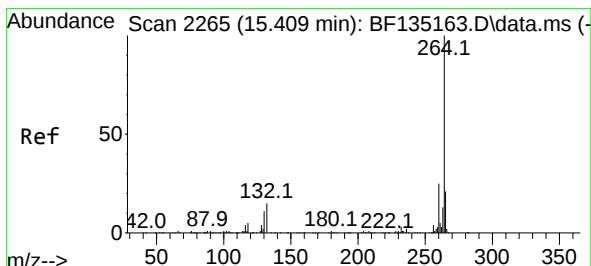
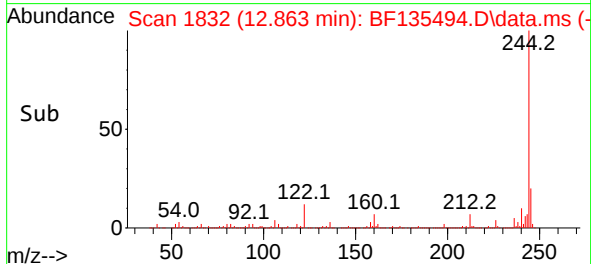
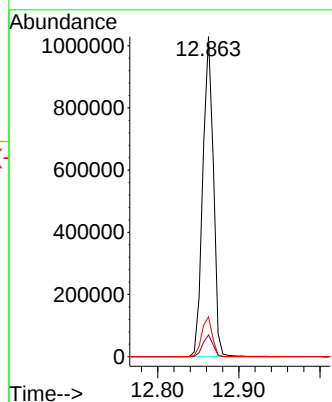


#79
 Terphenyl-d14
 Concen: 51.511 ng
 RT: 12.863 min Scan# 1832
 Delta R.T. -0.006 min
 Lab File: BF135494.D
 Acq: 28 Sep 2023 15:34

Instrument :
 BNA_F
 ClientSampleId :
 CON-SUPPORT-A



Tgt Ion:244 Resp: 933744
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.1 7.7
 122 12.5 7.9 11.9#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.380 min Scan# 2260
 Delta R.T. -0.000 min
 Lab File: BF135494.D
 Acq: 28 Sep 2023 15:34

Tgt Ion:264 Resp: 317557
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.8 29.6
 265 22.5 17.0 25.4

