

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052523\
 Data File : BF133495.D
 Acq On : 25 May 2023 19:03
 Operator : CG\JU
 Sample : 02908-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB10A

Quant Time: May 26 02:08:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 25 23:30:55 2023
 Response via : Initial Calibration

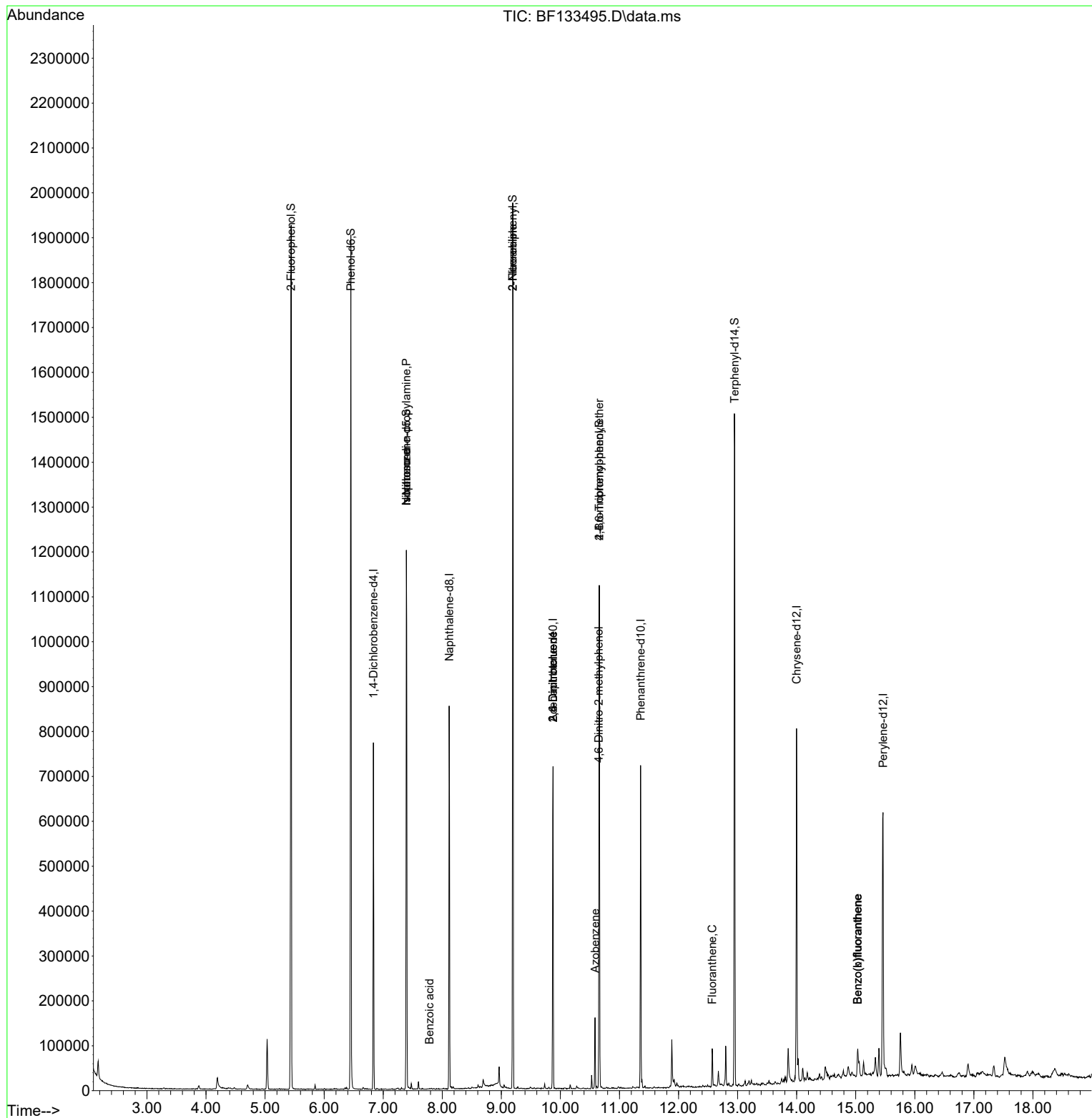
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	94719	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	328879	20.000	ng	-0.01
39) Acenaphthene-d10	9.875	164	133098	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	236704	20.000	ng	0.00
76) Chrysene-d12	13.998	240	226074	20.000	ng	-0.01
86) Perylene-d12	15.463	264	274411	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	478705	84.323	ng	0.00
7) Phenol-d6	6.452	99	543538	77.776	ng	-0.01
23) Nitrobenzene-d5	7.393	82	329711	66.937	ng	-0.02
42) 2,4,6-Tribromophenol	10.657	330	109932	82.859	ng	-0.01
45) 2-Fluorobiphenyl	9.193	172	553893	64.231	ng	-0.01
79) Terphenyl-d14	12.951	244	514291	40.447	ng	0.00
Target Compounds						
9) Benzaldehyde	6.387	77	134	Below Cal	Qvalue	# 50
19) n-Nitroso-di-n-propyla...	7.393	70	45766	10.122	ng	# 81
25) Isophorone	7.393	82	329769	28.726	ng	# 65
32) Benzoic acid	7.787	122	165	7.393	ng	# 90
48) 2-Nitroaniline	9.193	65	1019	4.362	ng	# 7
51) 2,6-Dinitrotoluene	9.875	165	17137	12.578	ng	# 18
57) 2,4-Dinitrotoluene	9.875	165	17137	11.741	ng	# 15
63) Azobenzene	10.587	77	24372	2.507	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.651	198	230	8.906	ng	# 1
67) 4-Bromophenyl-phenylether	10.657	248	7096	2.823	ng	# 1
75) Fluoranthene	12.569	202	32416	2.448	ng	# 94
88) Benzo(b)fluoranthene	15.033	252	45116	2.525	ng	# 95
89) Benzo(k)fluoranthene	15.033	252	45116	2.589	ng	# 96

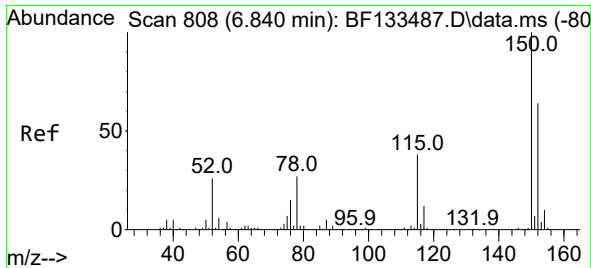
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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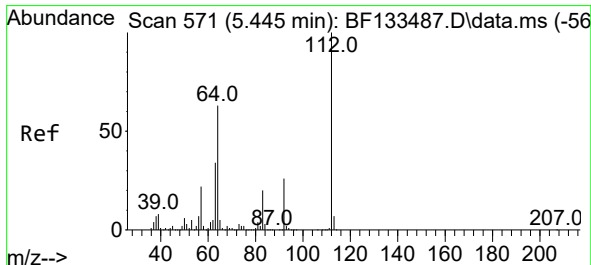
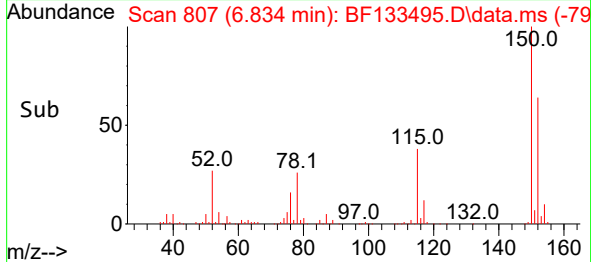
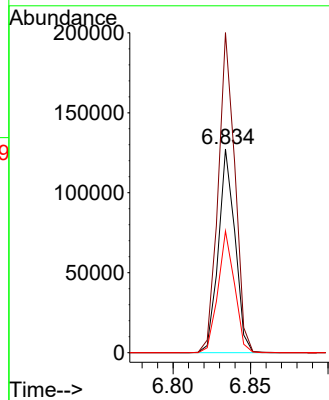
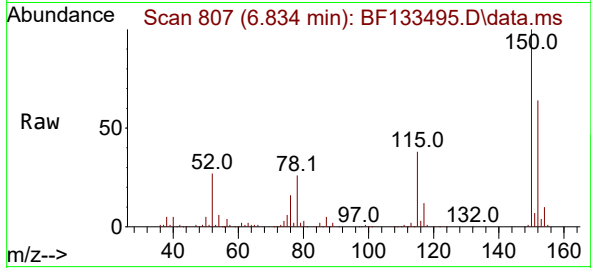




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF133495.D
Acq: 25 May 2023 19:03

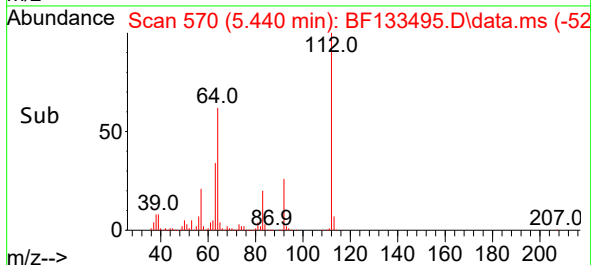
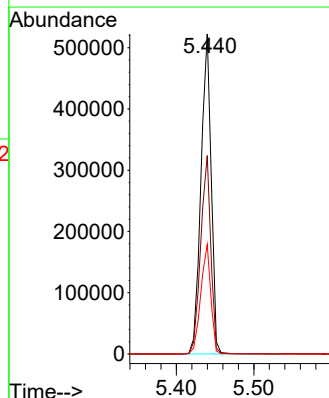
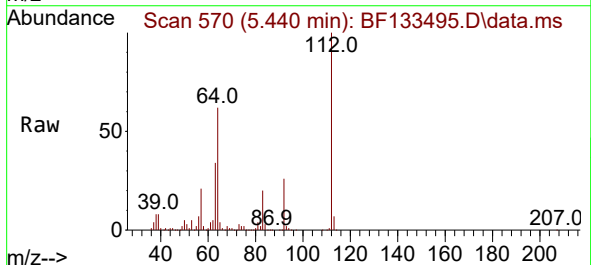
Instrument :
BNA_F
ClientSampleId :
SB10A

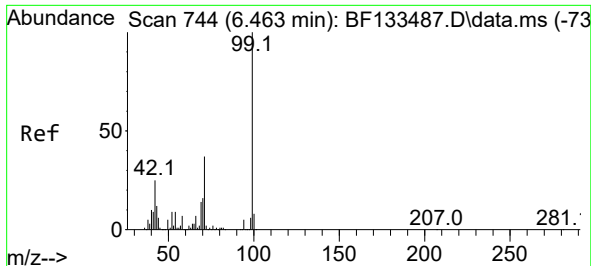
Tgt Ion:152 Resp: 94719
Ion Ratio Lower Upper
152 100
150 157.2 124.9 187.3
115 59.8 48.1 72.1



#5
2-Fluorophenol
Concen: 84.323 ng
RT: 5.440 min Scan# 570
Delta R.T. -0.006 min
Lab File: BF133495.D
Acq: 25 May 2023 19:03

Tgt Ion:112 Resp: 478705
Ion Ratio Lower Upper
112 100
64 62.0 50.1 75.1
63 34.2 27.5 41.3





#7

Phenol-d6

Concen: 77.776 ng

RT: 6.452 min Scan# 744

Delta R.T. -0.012 min

Lab File: BF133495.D

Acq: 25 May 2023 19:03

Instrument :

BNA_F

ClientSampleId :

SB10A

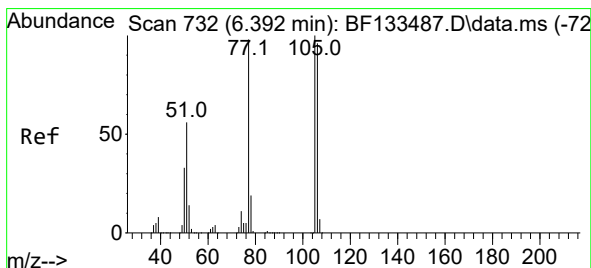
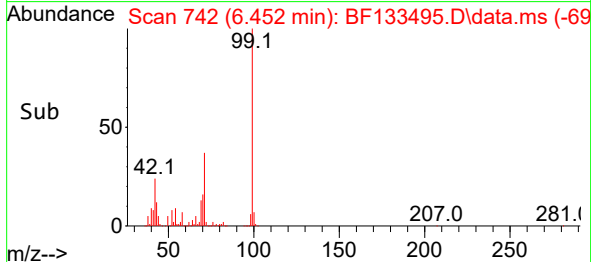
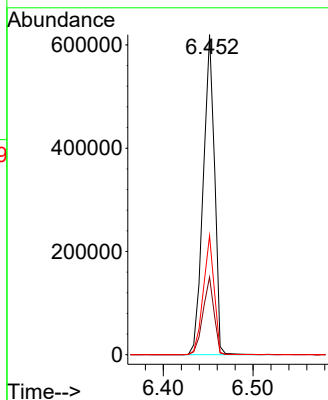
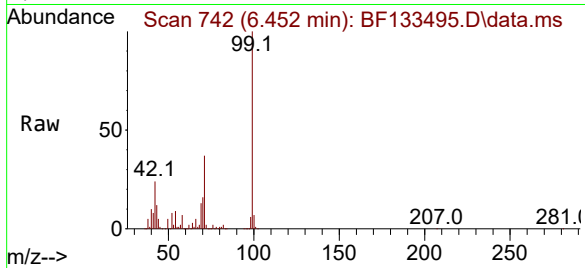
Tgt Ion: 99 Resp: 543538

Ion Ratio Lower Upper

99 100

42 24.3 19.7 29.5

71 37.2 29.8 44.8



#9

Benzaldehyde

Concen: Below Cal

RT: 6.387 min Scan# 731

Delta R.T. -0.005 min

Lab File: BF133495.D

Acq: 25 May 2023 19:03

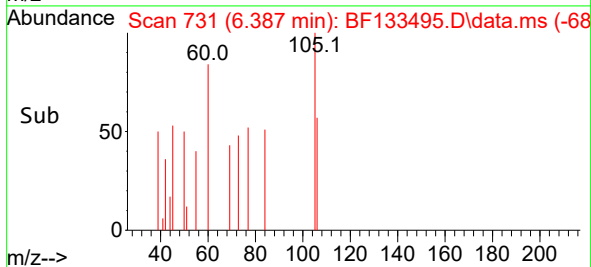
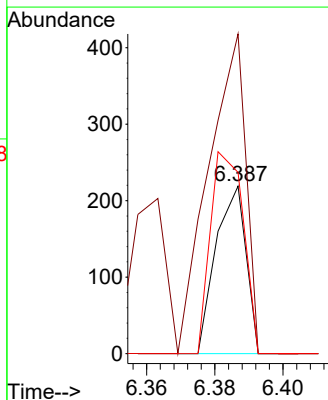
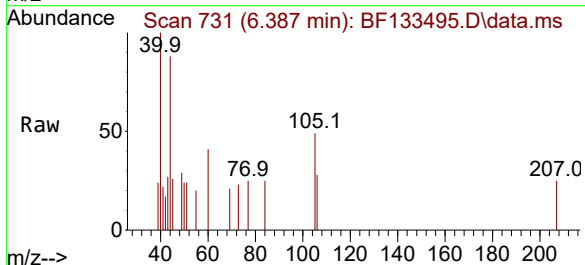
Tgt Ion: 77 Resp: 134

Ion Ratio Lower Upper

77 100

105 190.9 81.9 121.9#

106 108.2 77.8 117.8

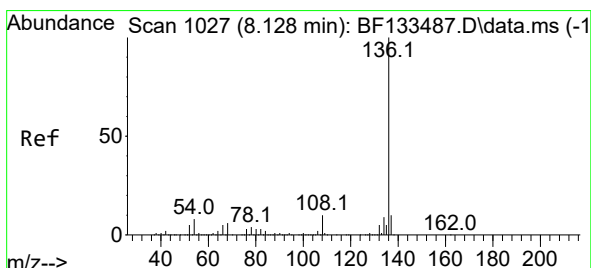
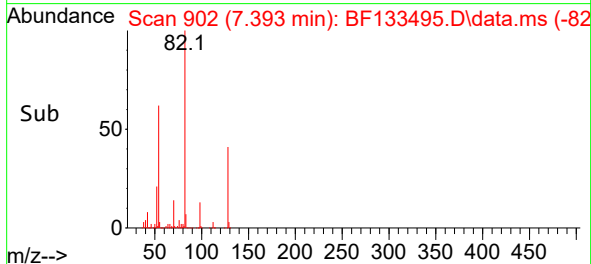
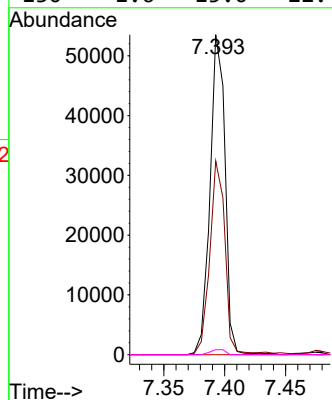
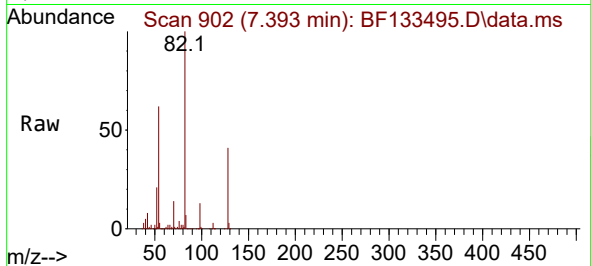




#19
n-Nitroso-di-n-propylamine
Concen: 10.122 ng
RT: 7.393 min Scan# 90
Delta R.T. 0.135 min
Lab File: BF133495.D
Acq: 25 May 2023 19:03

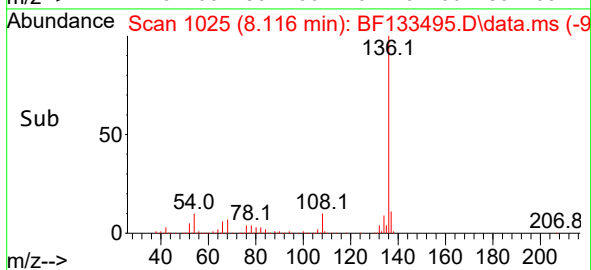
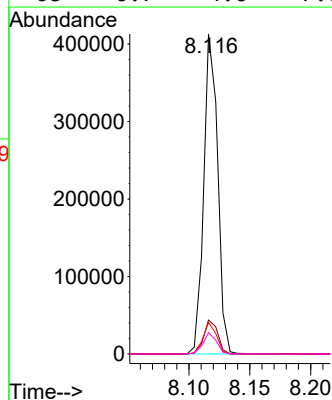
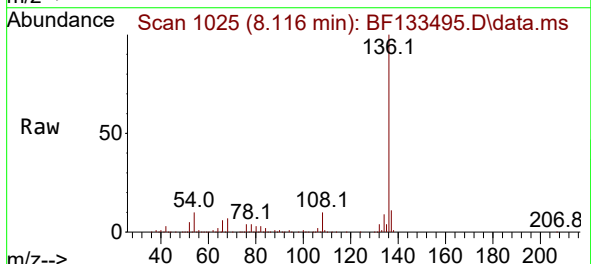
Instrument :
BNA_F
ClientSampleId :
SB10A

Tgt Ion:	70	Resp:	45766
Ion	Ratio	Lower	Upper
70	100		
42	60.6	57.2	85.8
101	0.0	7.3	10.9#
130	1.6	15.0	22.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.012 min
Lab File: BF133495.D
Acq: 25 May 2023 19:03

Tgt Ion:	136	Resp:	328879
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.2	12.4
54	9.8	6.6	10.0
68	6.7	4.6	7.0





#23

Nitrobenzene-d5

Concen: 66.937 ng

RT: 7.393 min Scan# 902

Delta R.T. -0.017 min

Lab File: BF133495.D

Acq: 25 May 2023 19:03

Instrument :

BNA_F

ClientSampleId :

SB10A

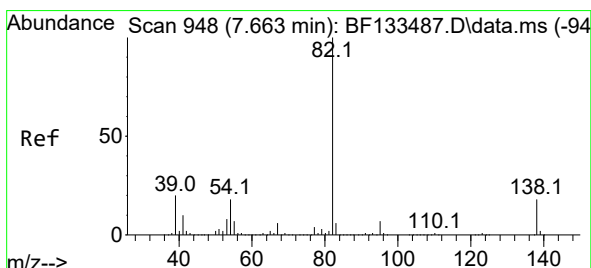
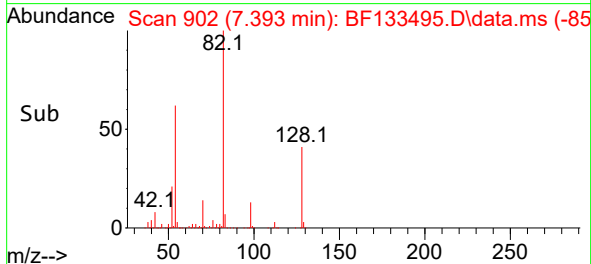
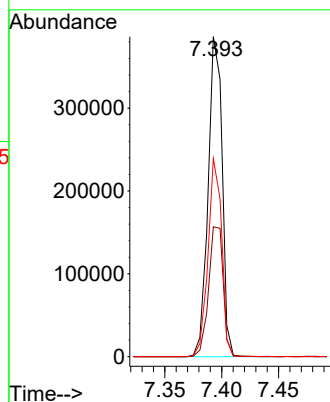
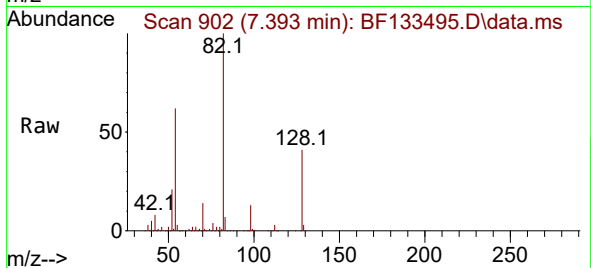
Tgt Ion: 82 Resp: 329711

Ion Ratio Lower Upper

82 100

128 40.6 34.2 51.4

54 61.9 48.2 72.4



#25

Isophorone

Concen: 28.726 ng

RT: 7.393 min Scan# 902

Delta R.T. -0.270 min

Lab File: BF133495.D

Acq: 25 May 2023 19:03

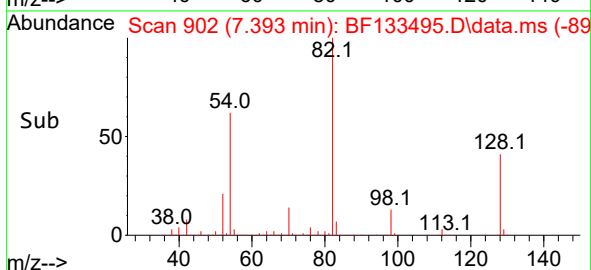
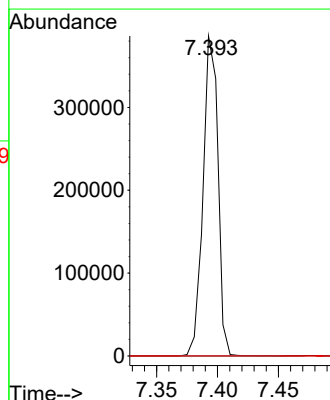
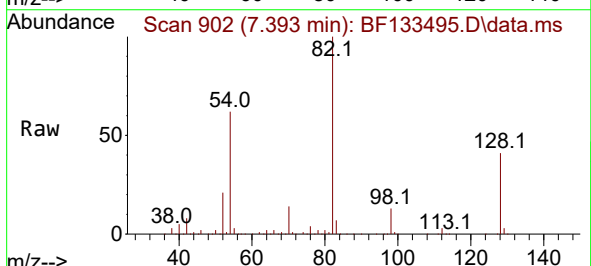
Tgt Ion: 82 Resp: 329769

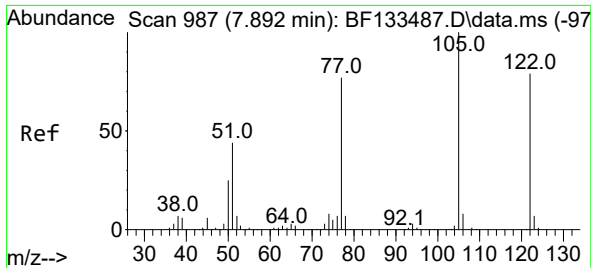
Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 14.2 21.4#

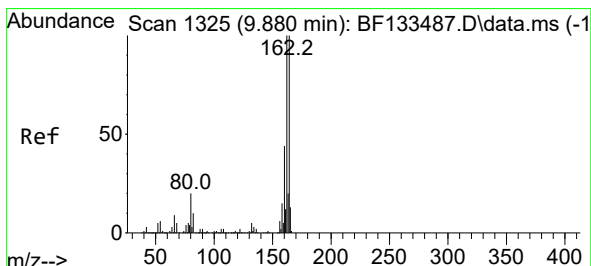
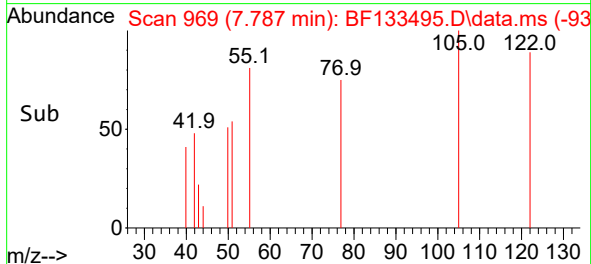
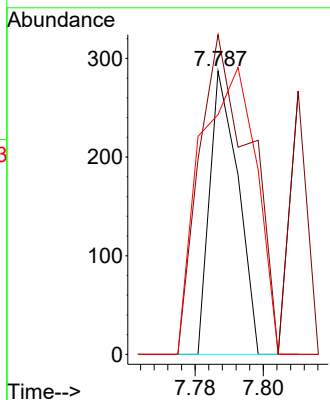
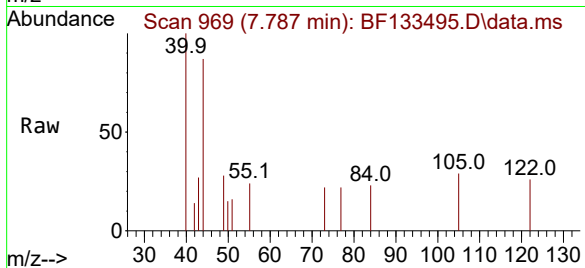




#32
Benzoic acid
Concen: 7.393 ng
RT: 7.787 min Scan# 91
Delta R.T. -0.105 min
Lab File: BF133495.D
Acq: 25 May 2023 19:03

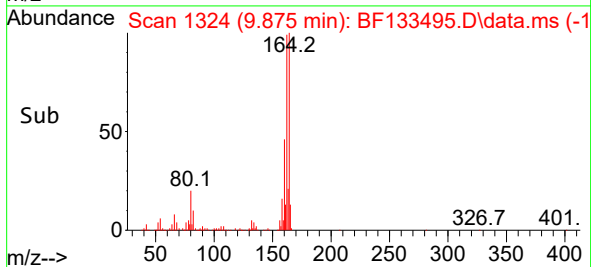
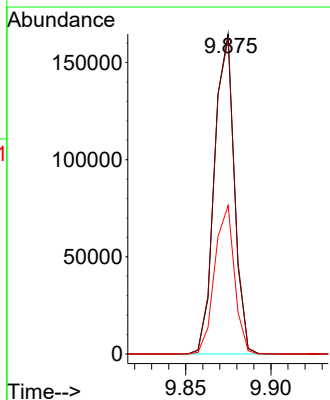
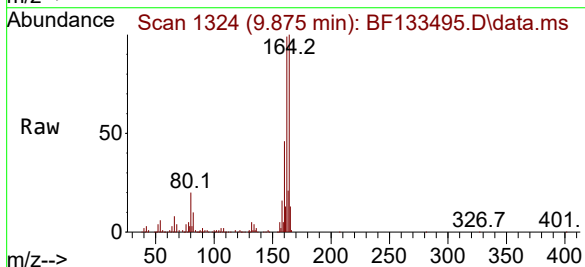
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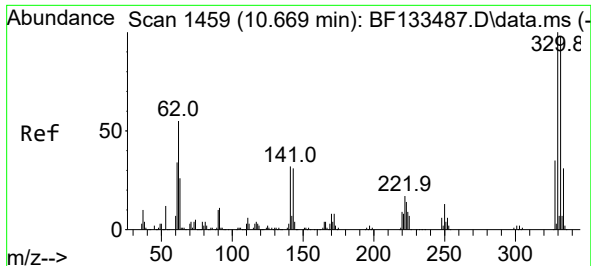
Tgt Ion:	122	Resp:	165
Ion	Ratio	Lower	Upper
122	100		
105	112.9	103.3	143.3
77	84.7	75.7	115.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF133495.D
Acq: 25 May 2023 19:03

Tgt Ion:	164	Resp:	133098
Ion	Ratio	Lower	Upper
164	100		
162	98.6	79.7	119.5
160	46.4	35.4	53.0





#42

2,4,6-Tribromophenol

Concen: 82.859 ng

RT: 10.657 min Scan# 1457

Delta R.T. -0.012 min

Lab File: BF133495.D

Acq: 25 May 2023 19:03

Instrument :

BNA_F

ClientSampleId :

SB10A

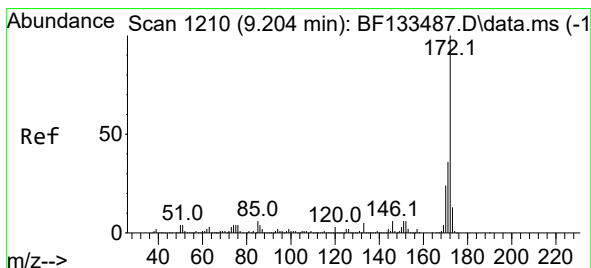
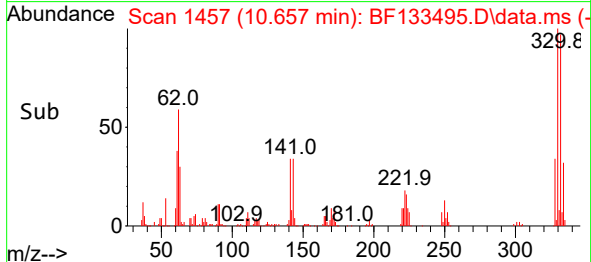
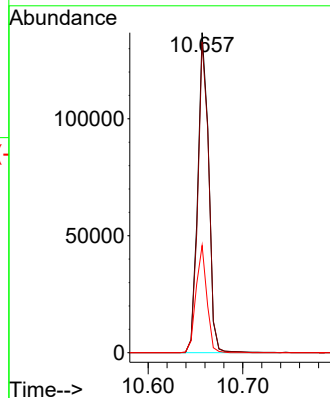
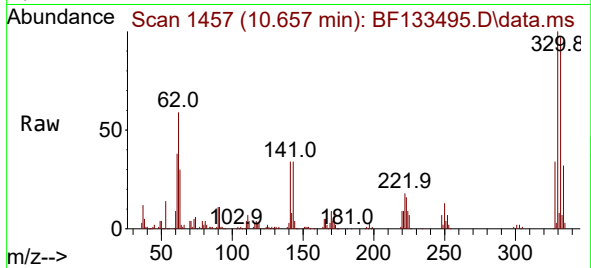
Tgt Ion:330 Resp: 109932

Ion Ratio Lower Upper

330 100

332 97.1 77.8 116.6

141 33.1 26.6 40.0



#45

2-Fluorobiphenyl

Concen: 64.231 ng

RT: 9.193 min Scan# 1208

Delta R.T. -0.011 min

Lab File: BF133495.D

Acq: 25 May 2023 19:03

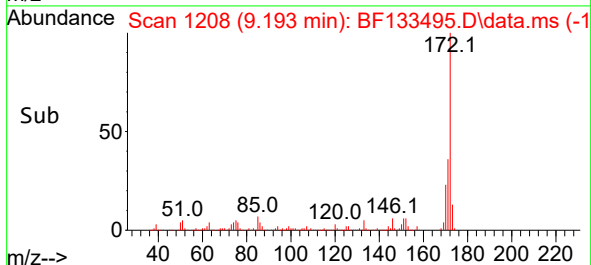
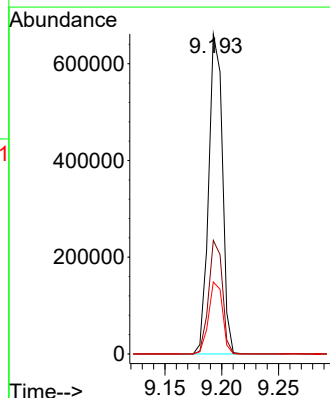
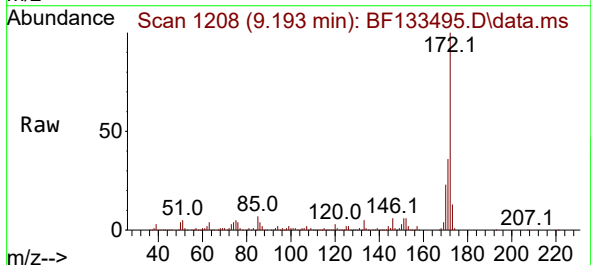
Tgt Ion:172 Resp: 553893

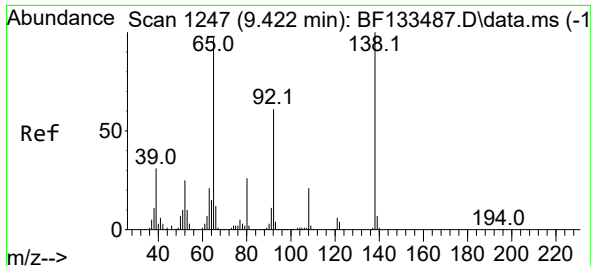
Ion Ratio Lower Upper

172 100

171 35.5 28.4 42.6

170 22.5 19.3 28.9





#48

2-Nitroaniline

Concen: 4.362 ng

RT: 9.193 min Scan# 11

Delta R.T. -0.229 min

Lab File: BF133495.D

Acq: 25 May 2023 19:03

Instrument :

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ClientSampleId :

SB10A

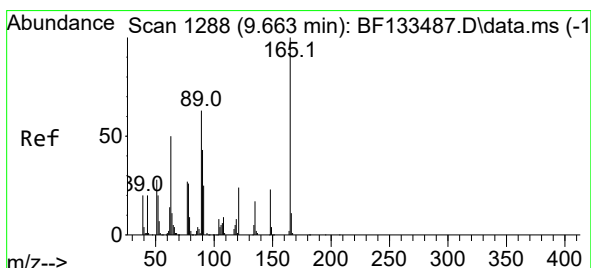
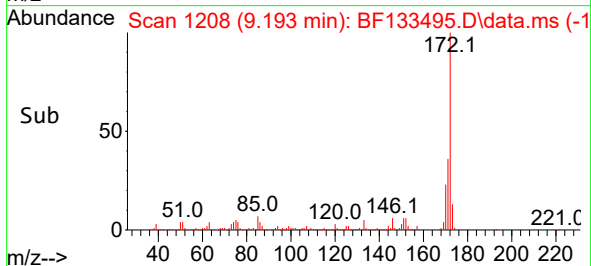
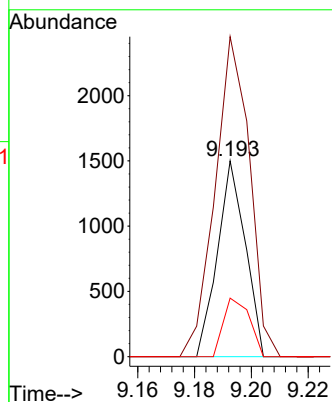
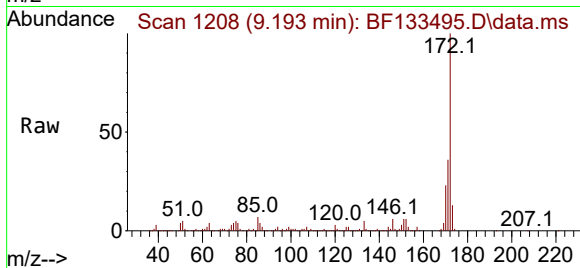
Tgt Ion: 65 Resp: 1019

Ion Ratio Lower Upper

65 100

92 163.4 50.8 76.2#

138 29.9 82.6 124.0#



#51

2,6-Dinitrotoluene

Concen: 12.578 ng

RT: 9.875 min Scan# 1324

Delta R.T. 0.212 min

Lab File: BF133495.D

Acq: 25 May 2023 19:03

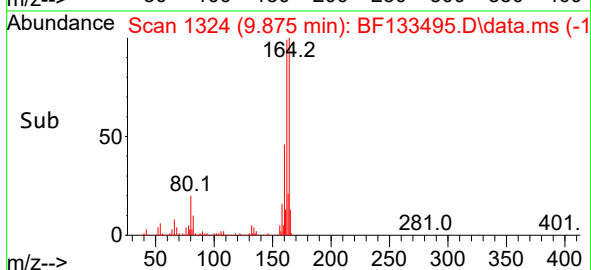
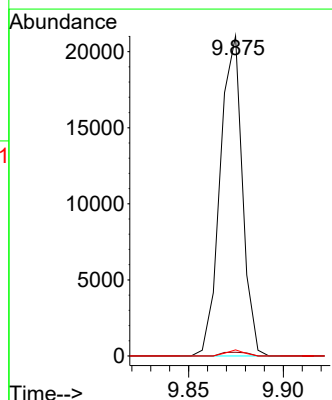
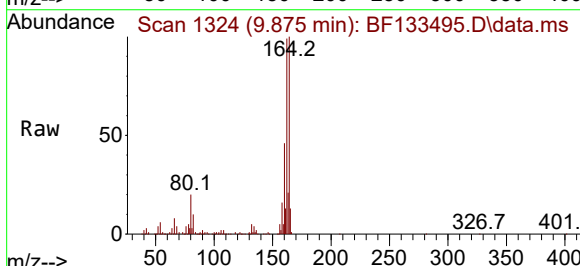
Tgt Ion:165 Resp: 17137

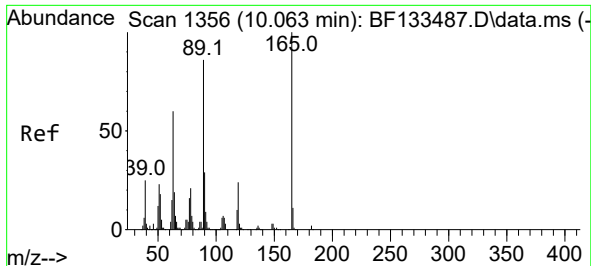
Ion Ratio Lower Upper

165 100

63 1.2 57.0 85.4#

89 1.9 50.8 76.2#

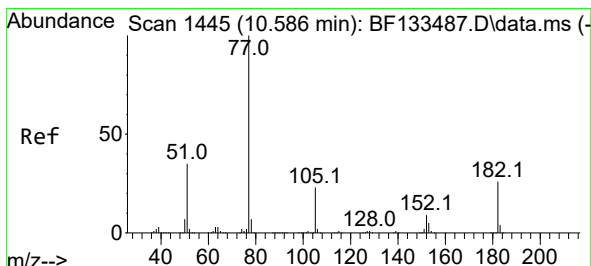
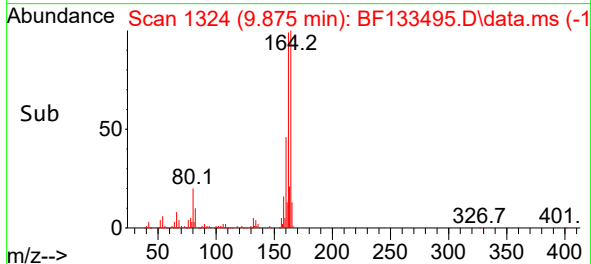
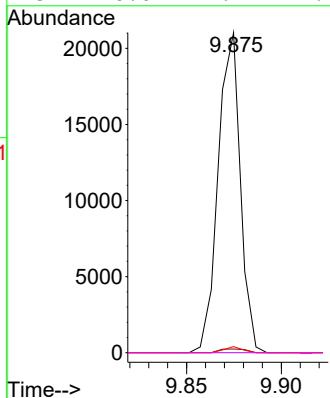
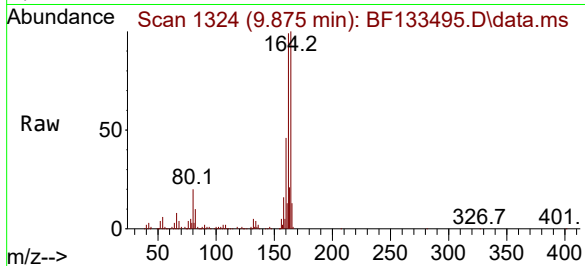




#57
2,4-Dinitrotoluene
Concen: 11.741 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF133495.D
Acq: 25 May 2023 19:03

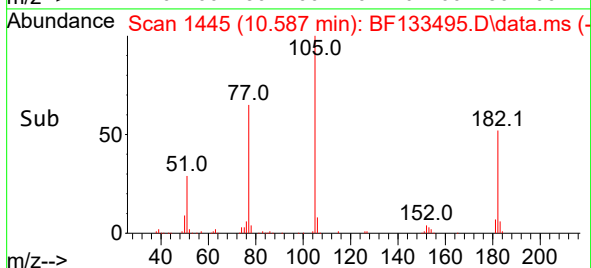
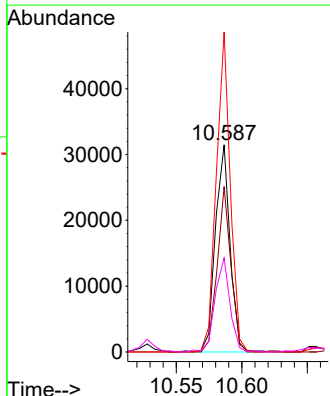
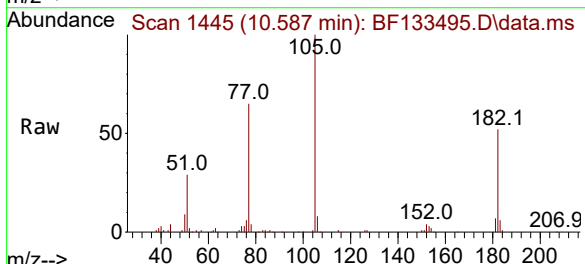
Instrument :
BNA_F
ClientSampleId :
SB10A

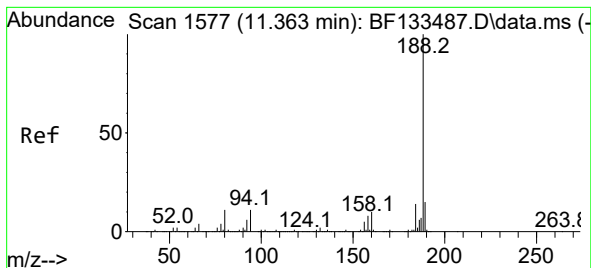
Tgt Ion:165 Resp: 17137
Ion Ratio Lower Upper
165 100
63 1.2 48.1 72.1#
89 1.9 68.4 102.6#
182 0.0 1.9 2.9#



#63
Azobenzene
Concen: 2.507 ng
RT: 10.587 min Scan# 1445
Delta R.T. 0.001 min
Lab File: BF133495.D
Acq: 25 May 2023 19:03

Tgt Ion: 77 Resp: 24372
Ion Ratio Lower Upper
77 100
182 79.8 5.6 45.6#
105 154.4 2.6 42.6#
51 45.3 14.7 54.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.357 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF133495.D

Acq: 25 May 2023 19:03

Instrument :

BNA_F

ClientSampleId :

SB10A

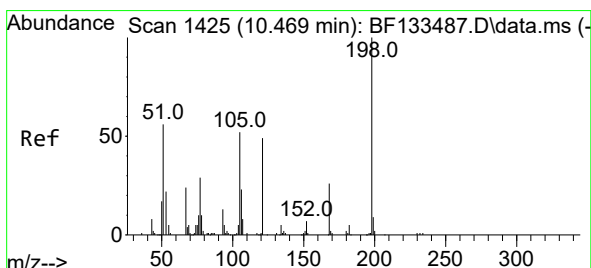
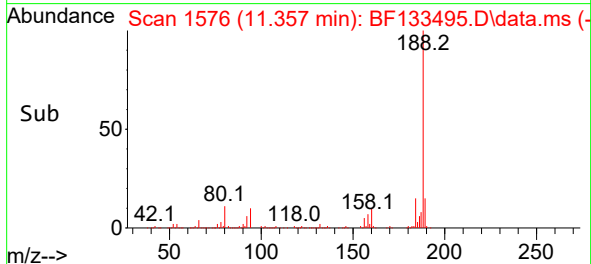
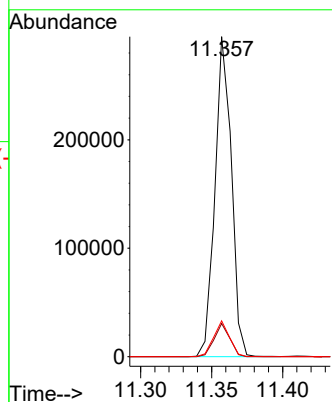
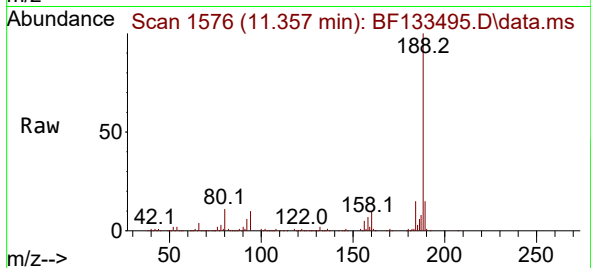
Tgt Ion:188 Resp: 236704

Ion Ratio Lower Upper

188 100

94 10.4 8.6 12.8

80 11.2 9.2 13.8



#65

4,6-Dinitro-2-methylphenol

Concen: 8.906 ng

RT: 10.651 min Scan# 1456

Delta R.T. 0.182 min

Lab File: BF133495.D

Acq: 25 May 2023 19:03

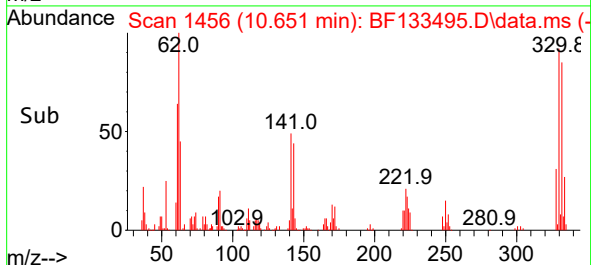
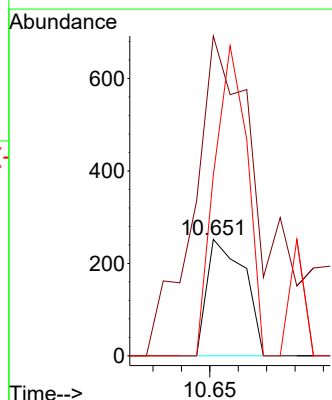
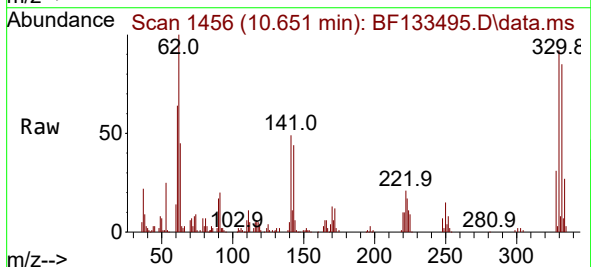
Tgt Ion:198 Resp: 230

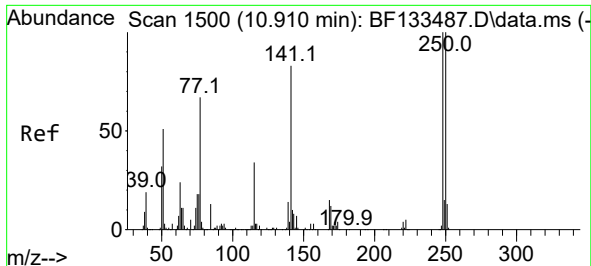
Ion Ratio Lower Upper

198 100

51 274.6 53.6 93.6#

105 155.2 35.9 75.9#

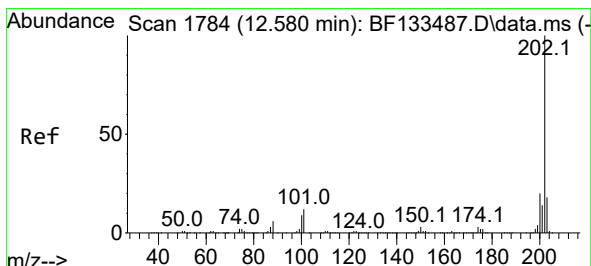
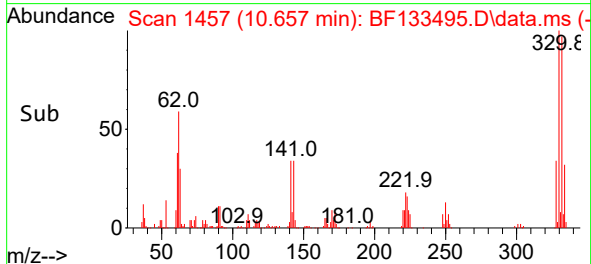
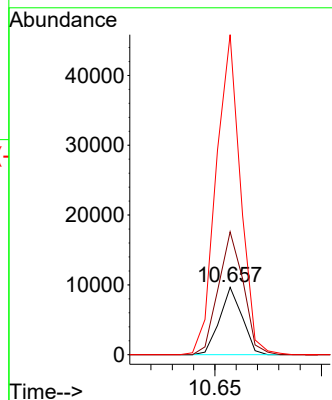
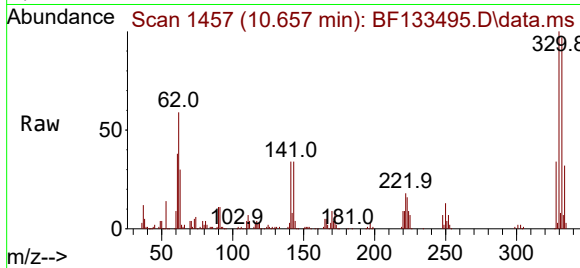




#67
4-Bromophenyl-phenylether
Concen: 2.823 ng
RT: 10.657 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF133495.D
Acq: 25 May 2023 19:03

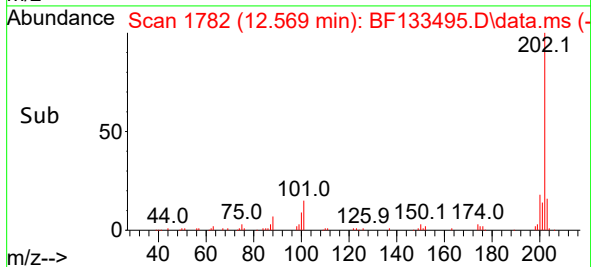
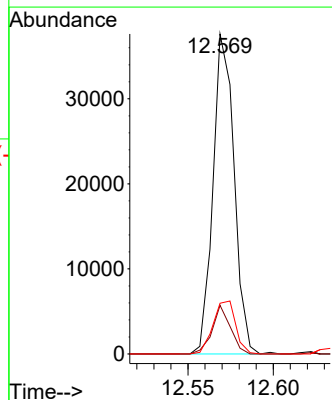
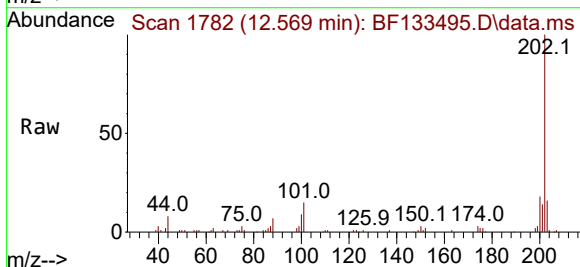
Instrument :
BNA_F
ClientSampleId :
SB10A

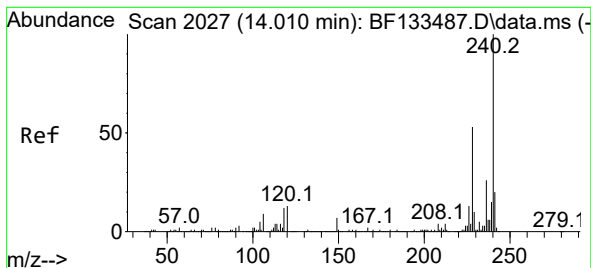
Tgt Ion:248 Resp: 7096
Ion Ratio Lower Upper
248 100
250 182.2 79.7 119.5#
141 474.5 66.6 100.0#



#75
Fluoranthene
Concen: 2.448 ng
RT: 12.569 min Scan# 1782
Delta R.T. -0.012 min
Lab File: BF133495.D
Acq: 25 May 2023 19:03

Tgt Ion:202 Resp: 32416
Ion Ratio Lower Upper
202 100
101 15.2 0.0 32.2
203 15.8 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.998 min Scan# 2027

Delta R.T. -0.012 min

Lab File: BF133495.D

Acq: 25 May 2023 19:03

Instrument :

BNA_F

ClientSampleId :

SB10A

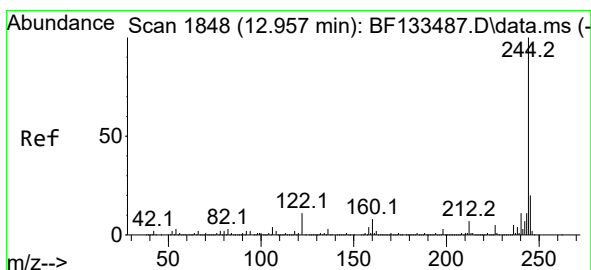
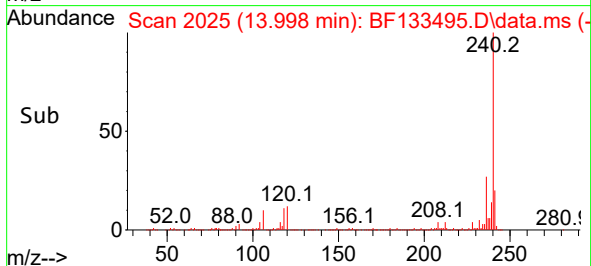
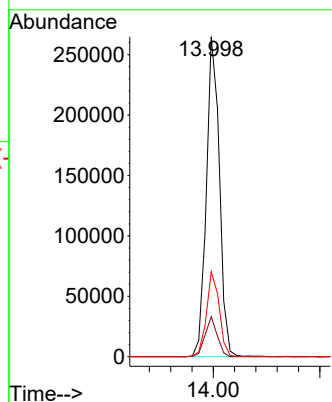
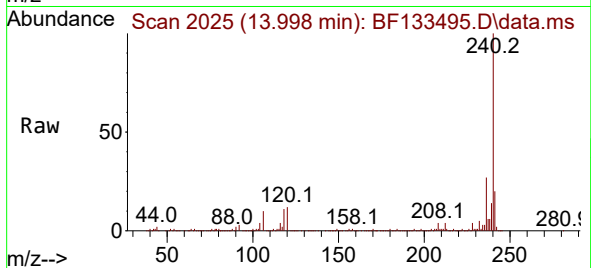
Tgt Ion:240 Resp: 226074

Ion Ratio Lower Upper

240 100

120 12.5 10.3 15.5

236 26.5 20.5 30.7



#79

Terphenyl-d14

Concen: 40.447 ng

RT: 12.951 min Scan# 1847

Delta R.T. -0.006 min

Lab File: BF133495.D

Acq: 25 May 2023 19:03

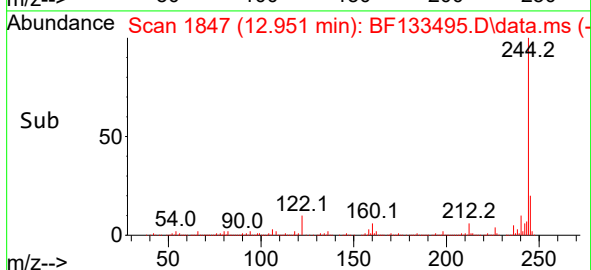
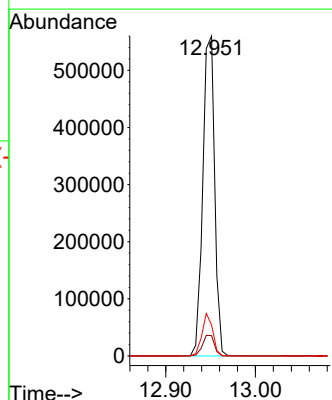
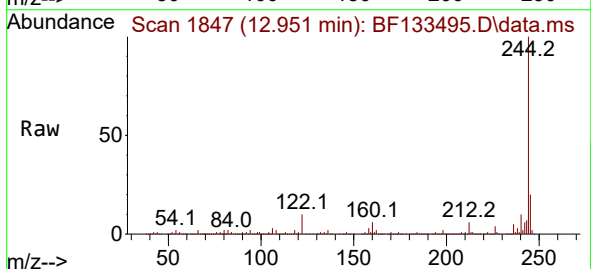
Tgt Ion:244 Resp: 514291

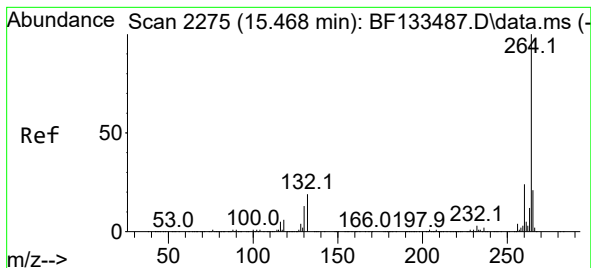
Ion Ratio Lower Upper

244 100

212 6.4 5.8 8.6

122 9.7 8.5 12.7





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.463 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133495.D

Acq: 25 May 2023 19:03

Instrument :

BNA_F

ClientSampleId :

SB10A

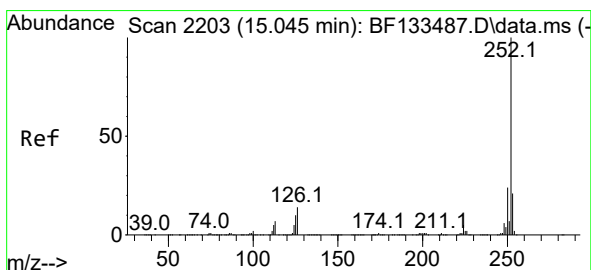
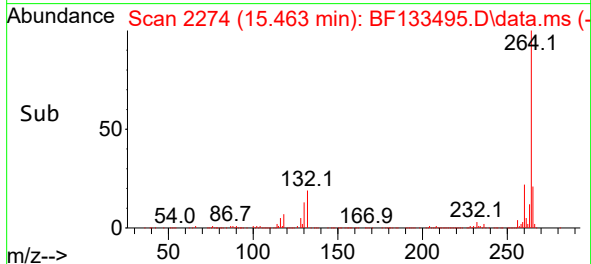
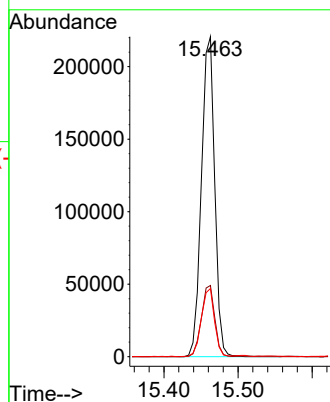
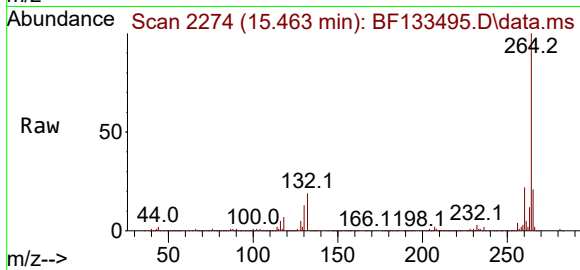
Tgt Ion:264 Resp: 274411

Ion Ratio Lower Upper

264 100

260 22.3 19.0 28.4

265 21.3 16.8 25.2



#88

Benzo(b)fluoranthene

Concen: 2.525 ng

RT: 15.033 min Scan# 2201

Delta R.T. -0.012 min

Lab File: BF133495.D

Acq: 25 May 2023 19:03

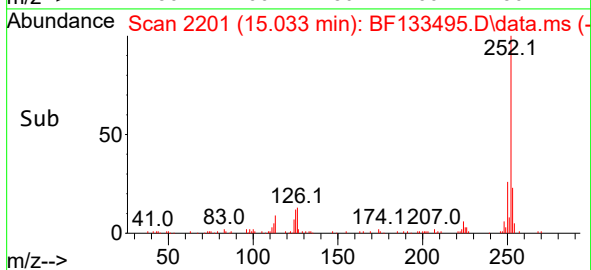
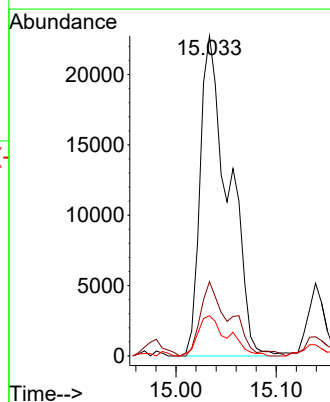
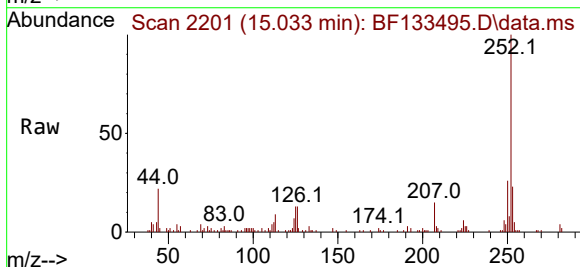
Tgt Ion:252 Resp: 45116

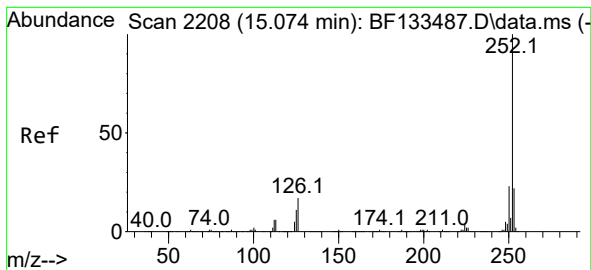
Ion Ratio Lower Upper

252 100

253 23.2 17.2 25.8

125 12.6 8.1 12.1#





#89

Benzo(k)fluoranthene

Concen: 2.589 ng

RT: 15.033 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF133495.D

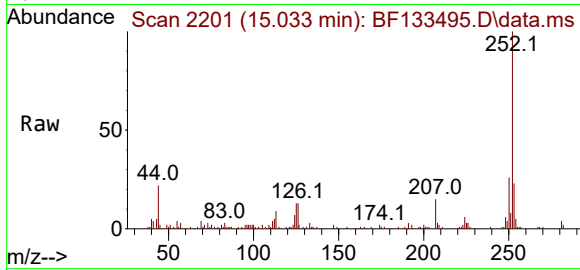
Acq: 25 May 2023 19:03

Instrument :

BNA_F

ClientSampleId :

SB10A



Tgt Ion:252 Resp: 45116

Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.2

125 12.6 8.3 12.5#

