

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050423\
 Data File : BF133240.D
 Acq On : 04 May 2023 20:05
 Operator : CG\JU
 Sample : 02588-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ZONE-C-3-6-05012023

Quant Time: May 05 05:32:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 04 12:22:53 2023
 Response via : Initial Calibration

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

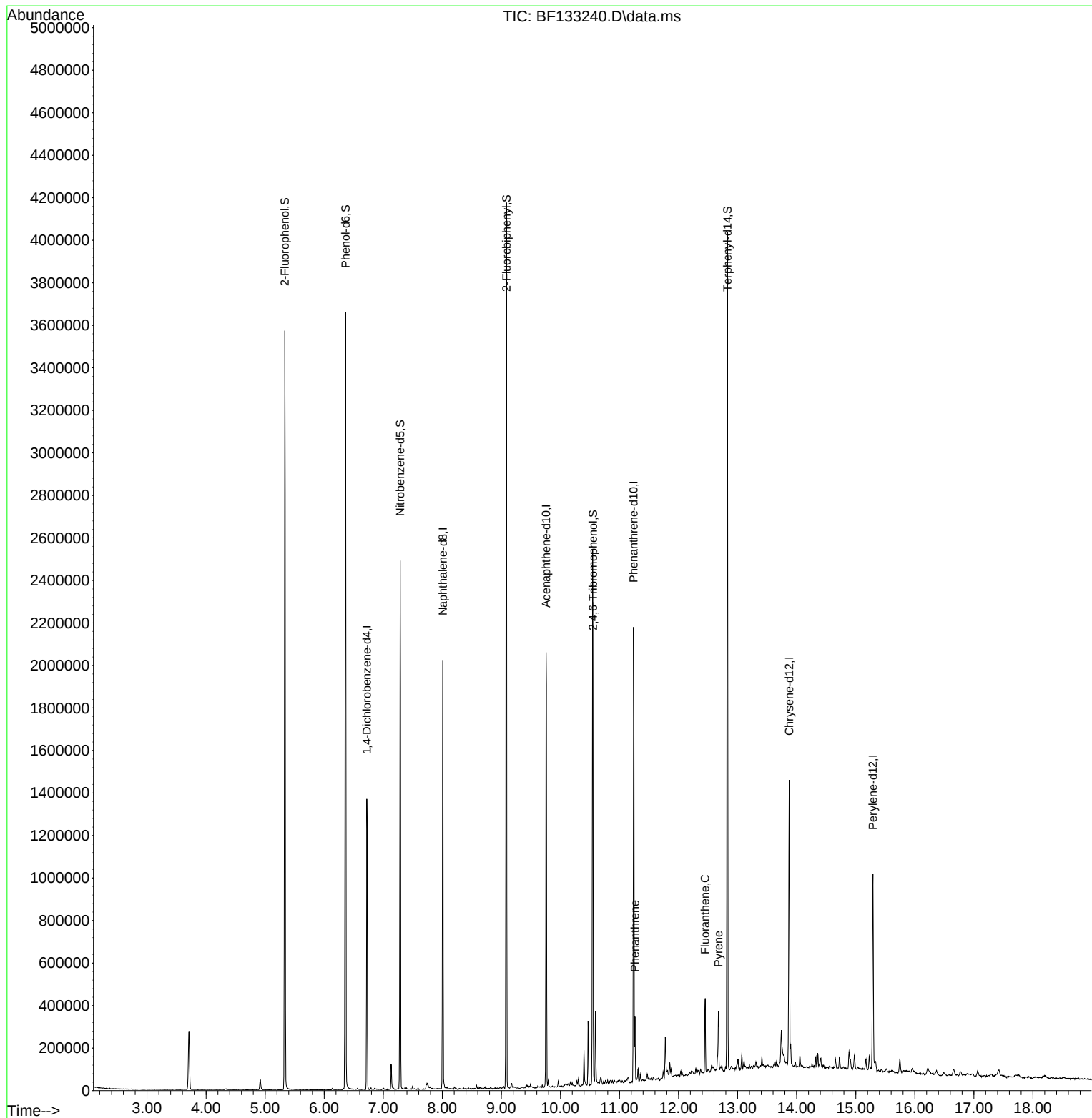
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	196183	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	794641	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	422167	20.000	ng	-0.01
64) Phenanthrene-d10	11.239	188	754737	20.000	ng	0.00
76) Chrysene-d12	13.874	240	388219	20.000	ng	-0.01
86) Perylene-d12	15.292	264	400420	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1028769	79.215	ng	0.00
7) Phenol-d6	6.363	99	1232669	76.470	ng	-0.01
23) Nitrobenzene-d5	7.286	82	737113	50.069	ng	-0.01
42) 2,4,6-Tribromophenol	10.551	330	288230	67.888	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	1223958	48.504	ng	0.00
79) Terphenyl-d14	12.827	244	1297955	57.662	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.263	178	88421	2.180	ng	97
75) Fluoranthene	12.451	202	130221	3.199	ng	94
78) Pyrene	12.674	202	107706	3.236	ng	100

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

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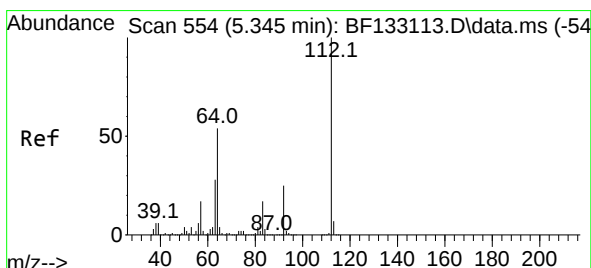
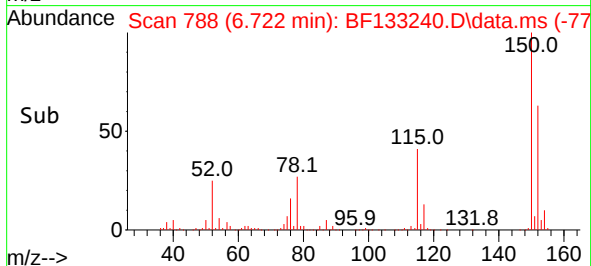
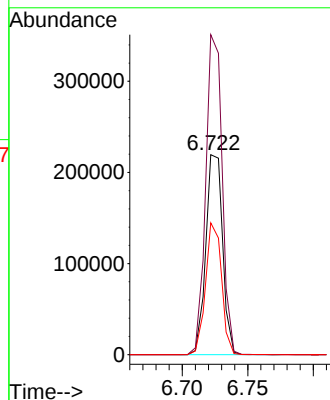
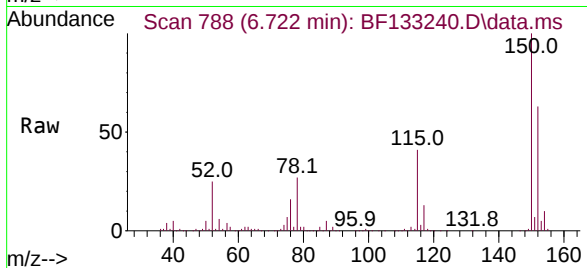




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.722 min Scan# 791
 Delta R.T. -0.006 min
 Lab File: BF133240.D
 Acq: 04 May 2023 20:05

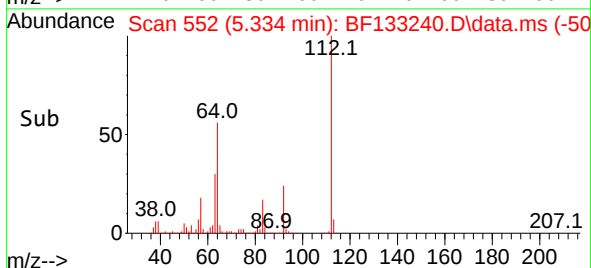
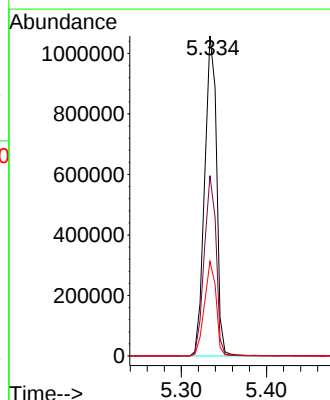
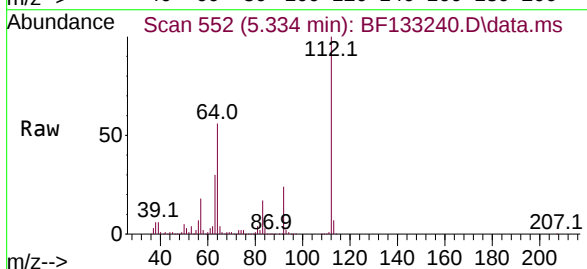
Instrument :
 BNA_F
 ClientSampleId :
 ZONE-C-3-6-05012023

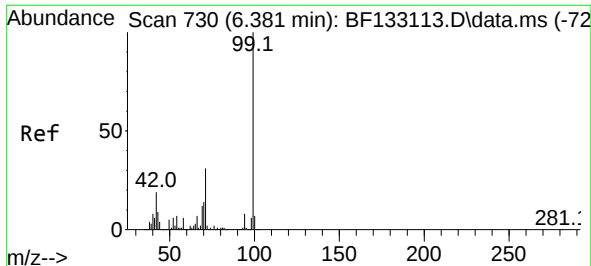
Tgt Ion:152 Resp: 196183
 Ion Ratio Lower Upper
 152 100
 150 160.0 124.8 187.2
 115 65.9 49.9 74.9



#5
 2-Fluorophenol
 Concen: 79.215 ng
 RT: 5.334 min Scan# 552
 Delta R.T. -0.000 min
 Lab File: BF133240.D
 Acq: 04 May 2023 20:05

Tgt Ion:112 Resp: 1028769
 Ion Ratio Lower Upper
 112 100
 64 56.4 46.8 70.2
 63 29.6 23.8 35.8

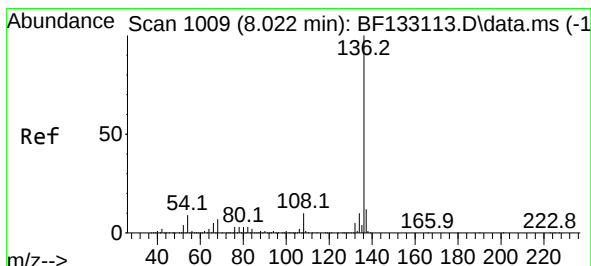
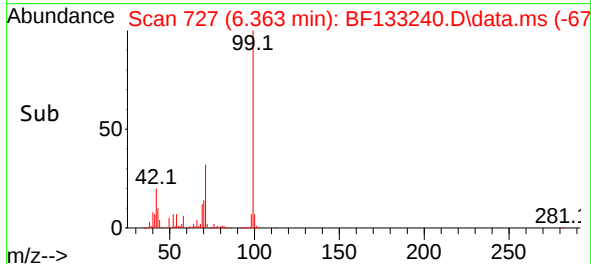
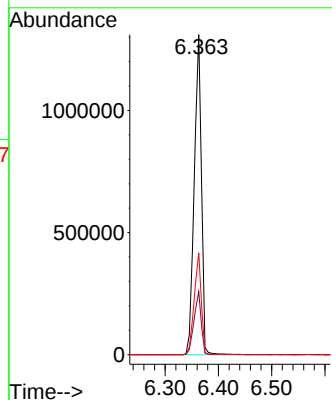
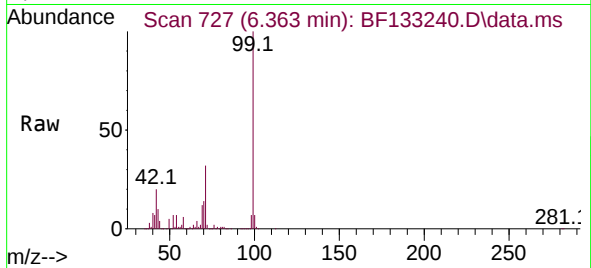




#7
Phenol-d6
Concen: 76.470 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133240.D
Acq: 04 May 2023 20:05

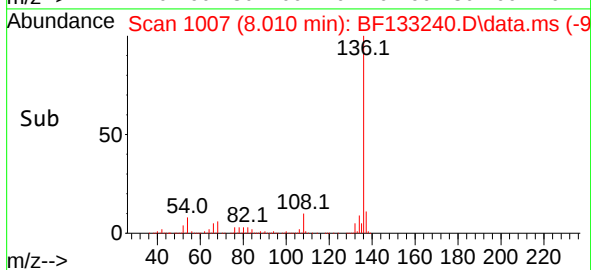
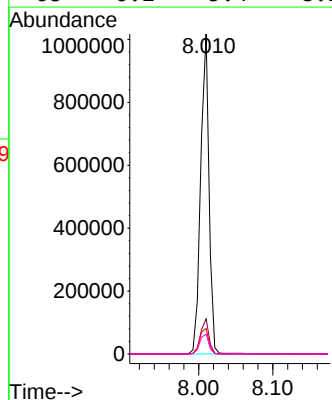
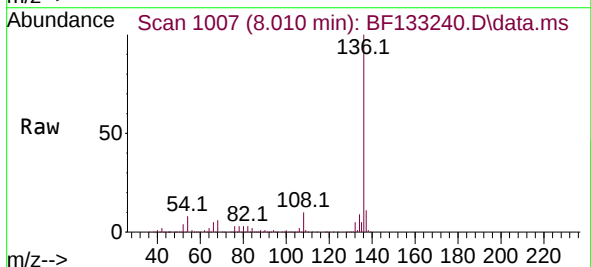
Instrument :
BNA_F
ClientSampleId :
ZONE-C-3-6-05012023

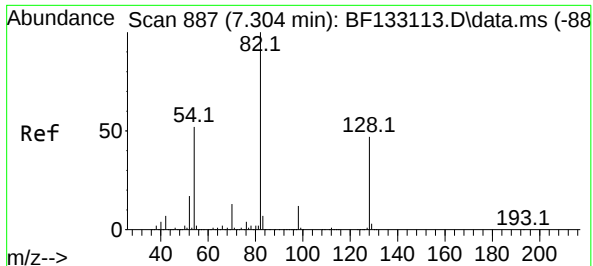
Tgt Ion: 99 Resp: 1232669
Ion Ratio Lower Upper
99 100
42 19.7 16.3 24.5
71 31.8 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BF133240.D
Acq: 04 May 2023 20:05

Tgt Ion: 136 Resp: 794641
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.0 7.0 10.4
68 6.2 5.4 8.2





#23

Nitrobenzene-d5

Concen: 50.069 ng

RT: 7.286 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF133240.D

Acq: 04 May 2023 20:05

Instrument :

BNA_F

ClientSampleId :

ZONE-C-3-6-05012023

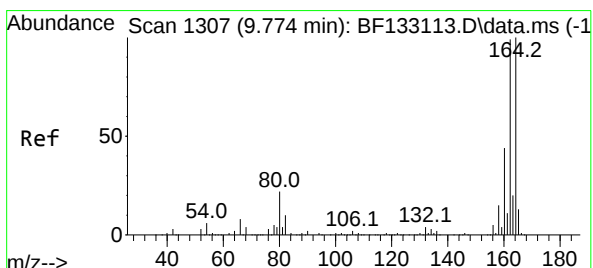
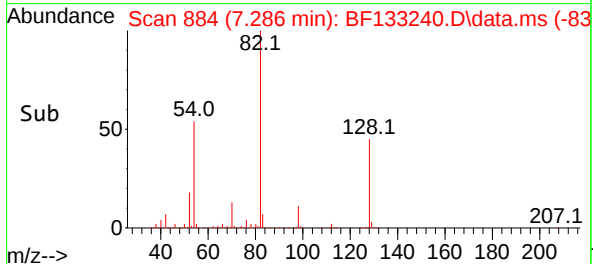
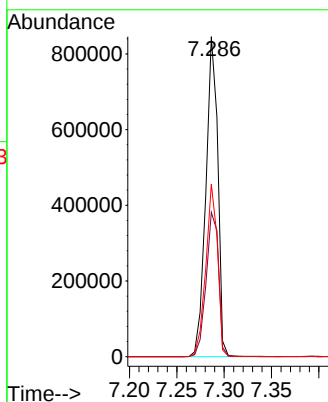
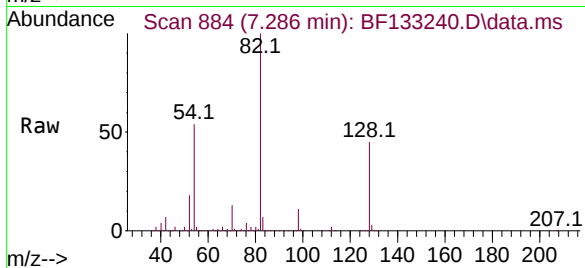
Tgt Ion: 82 Resp: 737113

Ion Ratio Lower Upper

82 100

128 45.1 37.7 56.5

54 54.0 43.0 64.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.757 min Scan# 1304

Delta R.T. -0.012 min

Lab File: BF133240.D

Acq: 04 May 2023 20:05

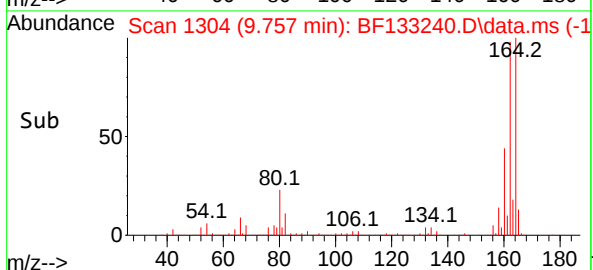
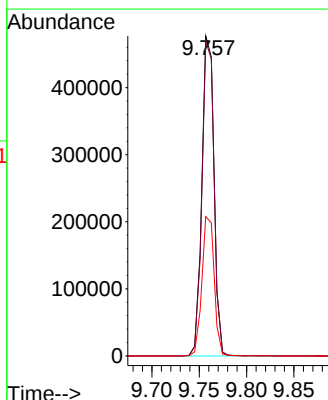
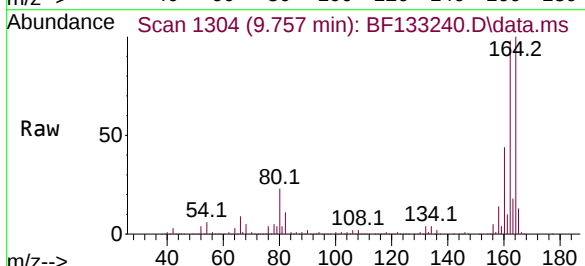
Tgt Ion: 164 Resp: 422167

Ion Ratio Lower Upper

164 100

162 98.4 78.7 118.1

160 43.5 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 67.888 ng

RT: 10.551 min Scan# 1441

Delta R.T. -0.006 min

Lab File: BF133240.D

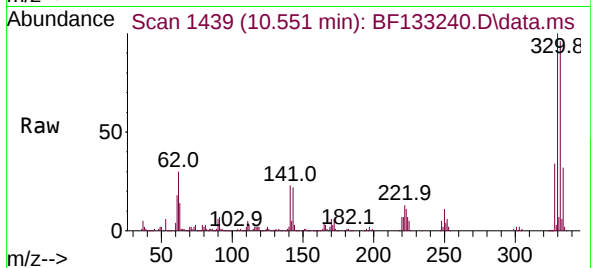
Acq: 04 May 2023 20:05

Instrument :

BNA_F

ClientSampleId :

ZONE-C-3-6-05012023



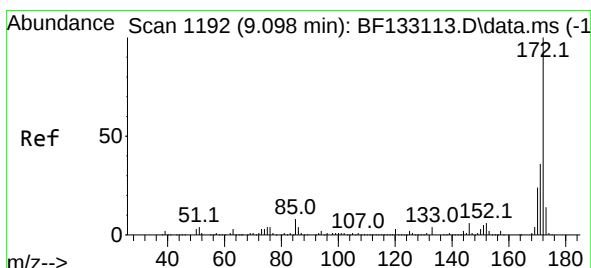
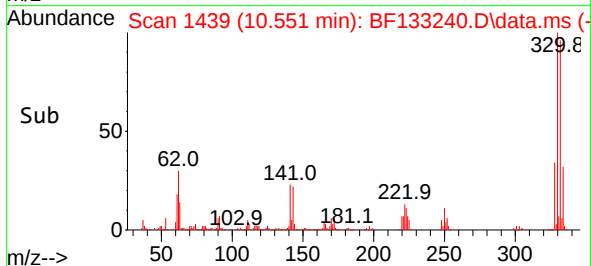
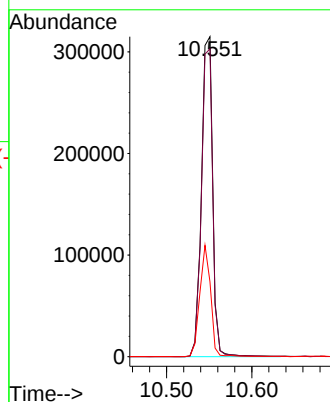
Tgt Ion:330 Resp: 288230

Ion Ratio Lower Upper

330 100

332 96.7 77.1 115.7

141 33.7 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 48.504 ng

RT: 9.086 min Scan# 1190

Delta R.T. -0.006 min

Lab File: BF133240.D

Acq: 04 May 2023 20:05

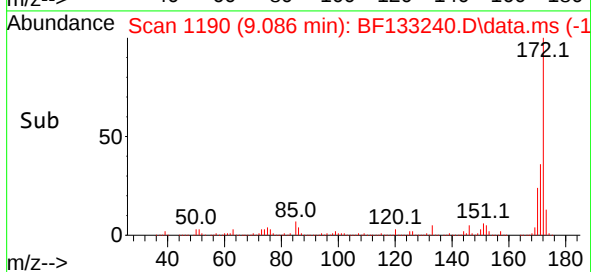
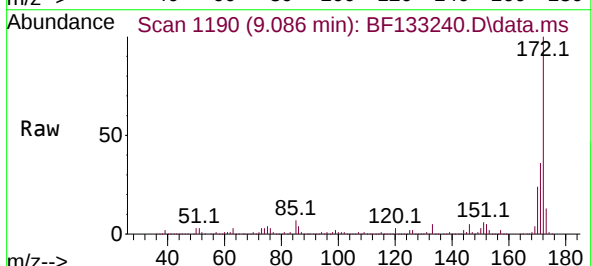
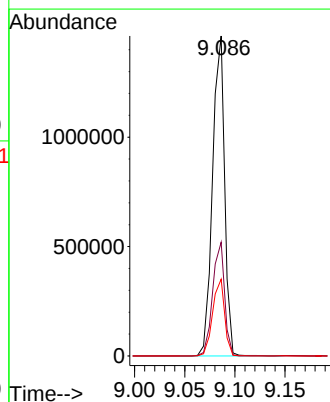
Tgt Ion:172 Resp: 1223958

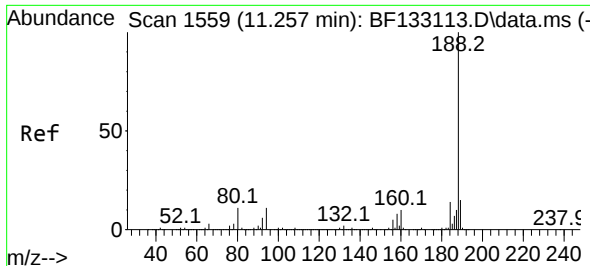
Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

170 24.0 19.4 29.2

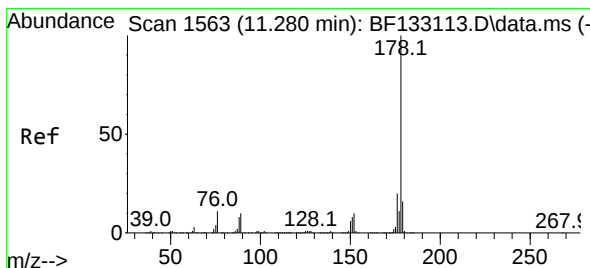
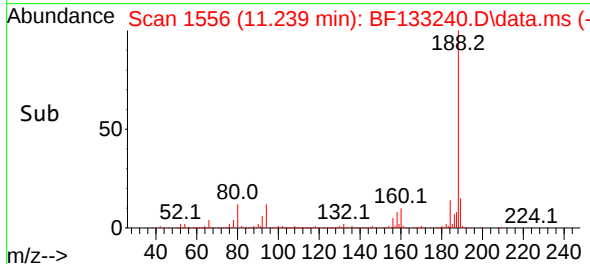
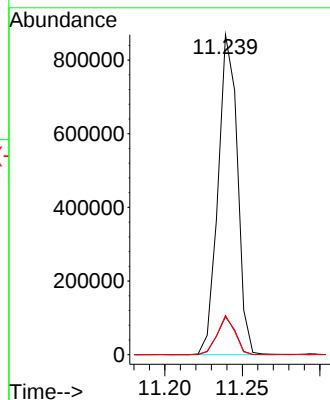
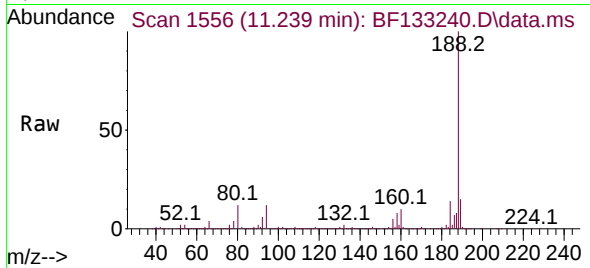




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1556
Delta R.T. -0.006 min
Lab File: BF133240.D
Acq: 04 May 2023 20:05

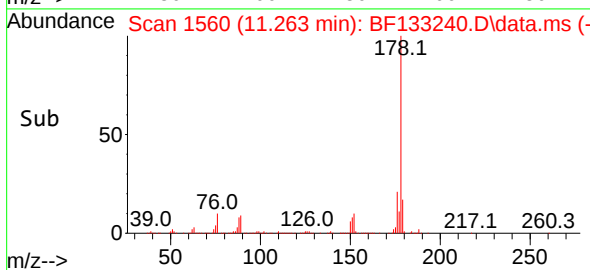
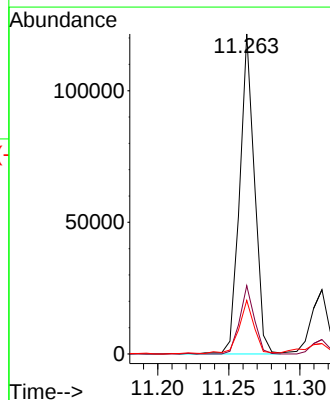
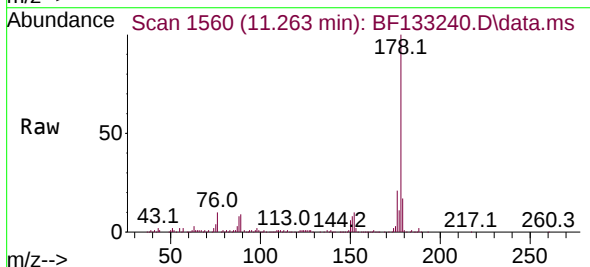
Instrument :
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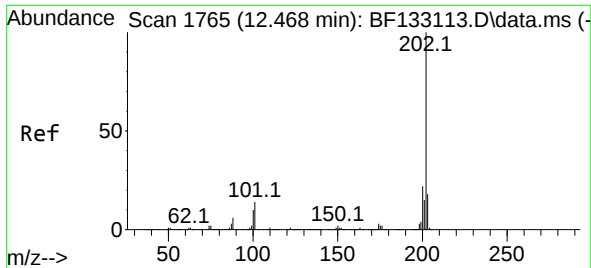
Tgt Ion:188 Resp: 754737
Ion Ratio Lower Upper
188 100
94 11.8 9.7 14.5
80 12.3 10.4 15.6



#71
Phenanthrene
Concen: 2.180 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.012 min
Lab File: BF133240.D
Acq: 04 May 2023 20:05

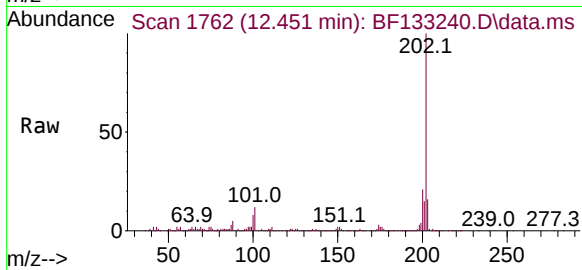
Tgt Ion:178 Resp: 88421
Ion Ratio Lower Upper
178 100
176 21.4 15.9 23.9
179 16.8 12.5 18.7



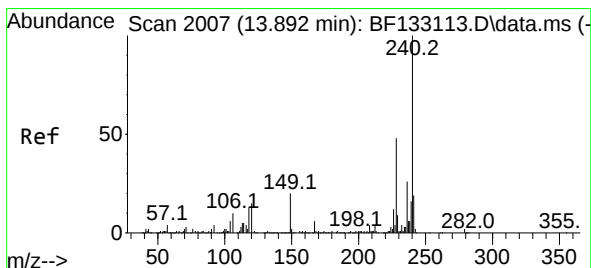
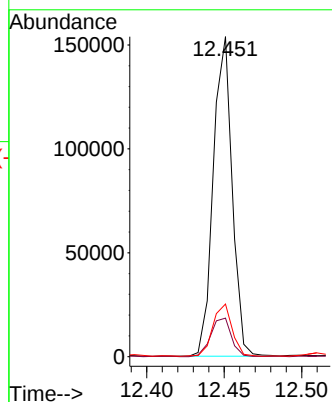
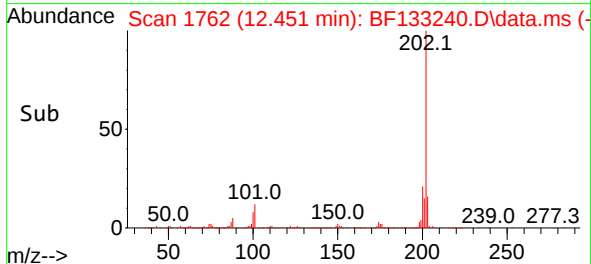


#75
Fluoranthene
Concen: 3.199 ng
RT: 12.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF133240.D
Acq: 04 May 2023 20:05

Instrument :
BNA_F
ClientSampleId :
ZONE-C-3-6-05012023

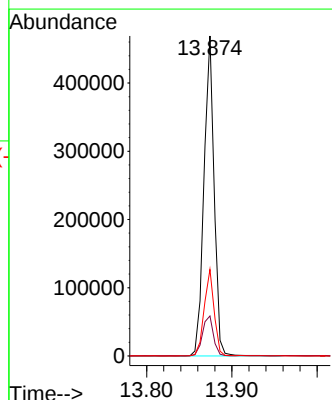
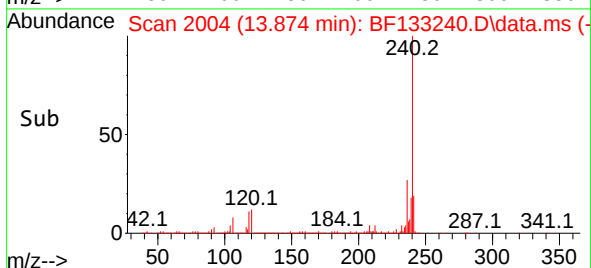
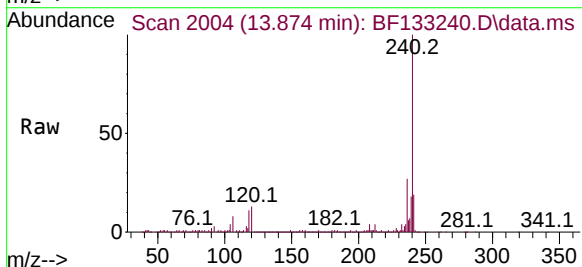


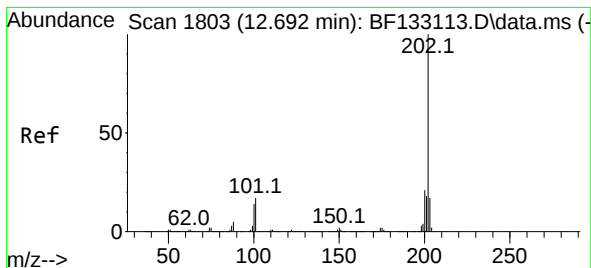
Tgt Ion:202 Resp: 130221
Ion Ratio Lower Upper
202 100
101 12.0 0.0 35.3
203 16.5 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.012 min
Lab File: BF133240.D
Acq: 04 May 2023 20:05

Tgt Ion:240 Resp: 388219
Ion Ratio Lower Upper
240 100
120 12.5 10.5 15.7
236 27.1 21.5 32.3





#78

Pyrene

Concen: 3.236 ng

RT: 12.674 min Scan# 1800

Delta R.T. -0.012 min

Lab File: BF133240.D

Acq: 04 May 2023 20:05

Instrument :

BNA_F

ClientSampleId :

ZONE-C-3-6-05012023

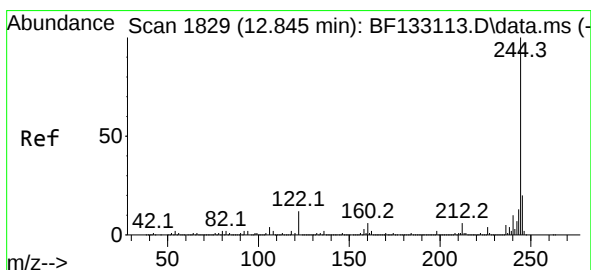
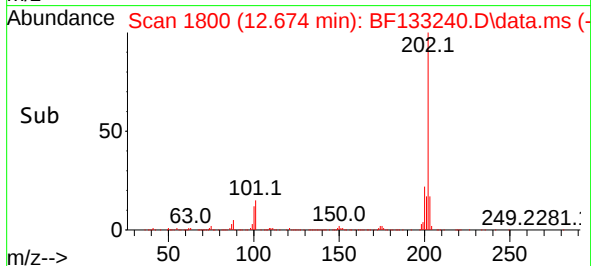
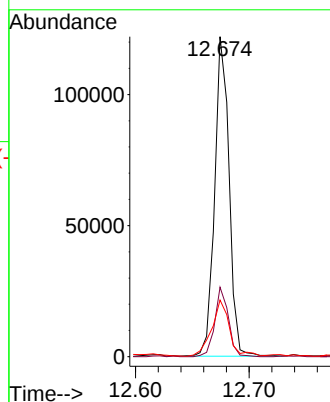
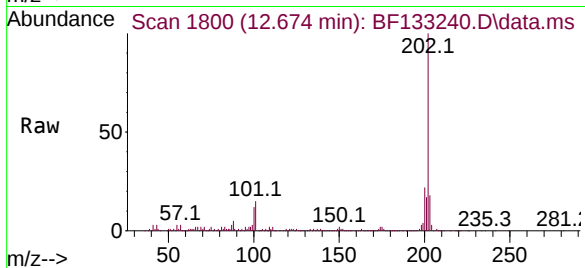
Tgt Ion:202 Resp: 107706

Ion Ratio Lower Upper

202 100

200 21.7 17.1 25.7

203 17.7 14.1 21.1



#79

Terphenyl-d14

Concen: 57.662 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.006 min

Lab File: BF133240.D

Acq: 04 May 2023 20:05

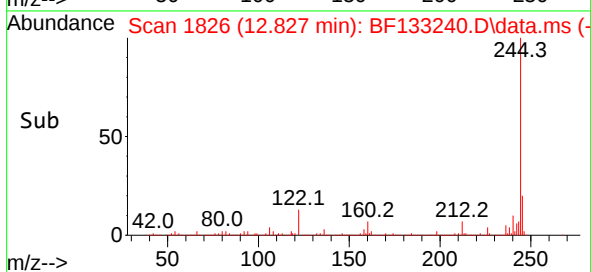
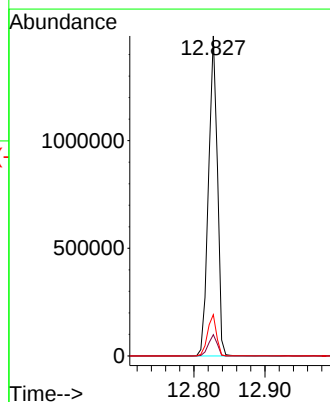
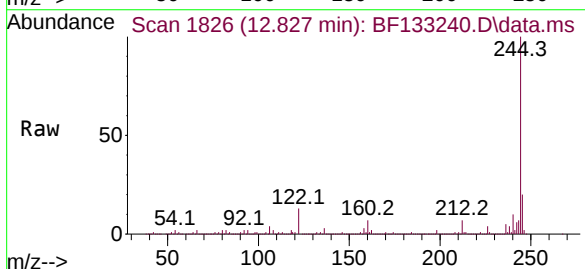
Tgt Ion:244 Resp: 1297955

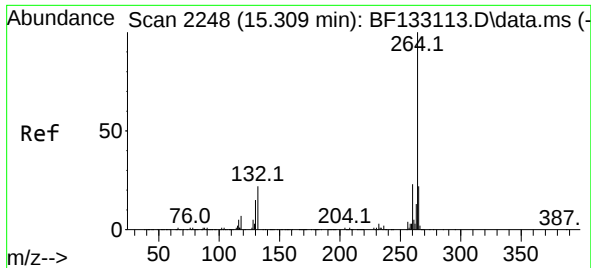
Ion Ratio Lower Upper

244 100

212 6.7 5.1 7.7

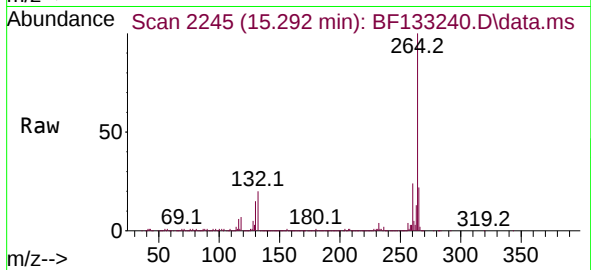
122 12.9 8.6 13.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.292 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF133240.D
 Acq: 04 May 2023 20:05

Instrument :
 BNA_F
 ClientSampleId :
 ZONE-C-3-6-05012023



Tgt Ion:264 Resp: 400420
 Ion Ratio Lower Upper
 264 100
 260 24.4 18.8 28.2
 265 21.8 17.0 25.4

