

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013023\
 Data File : BF132230.D
 Acq On : 31 Jan 2023 01:40
 Operator : CG\JU
 Sample : 01337-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-012723

Quant Time: Jan 31 02:34:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 28 02:25:45 2023
 Response via : Initial Calibration

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

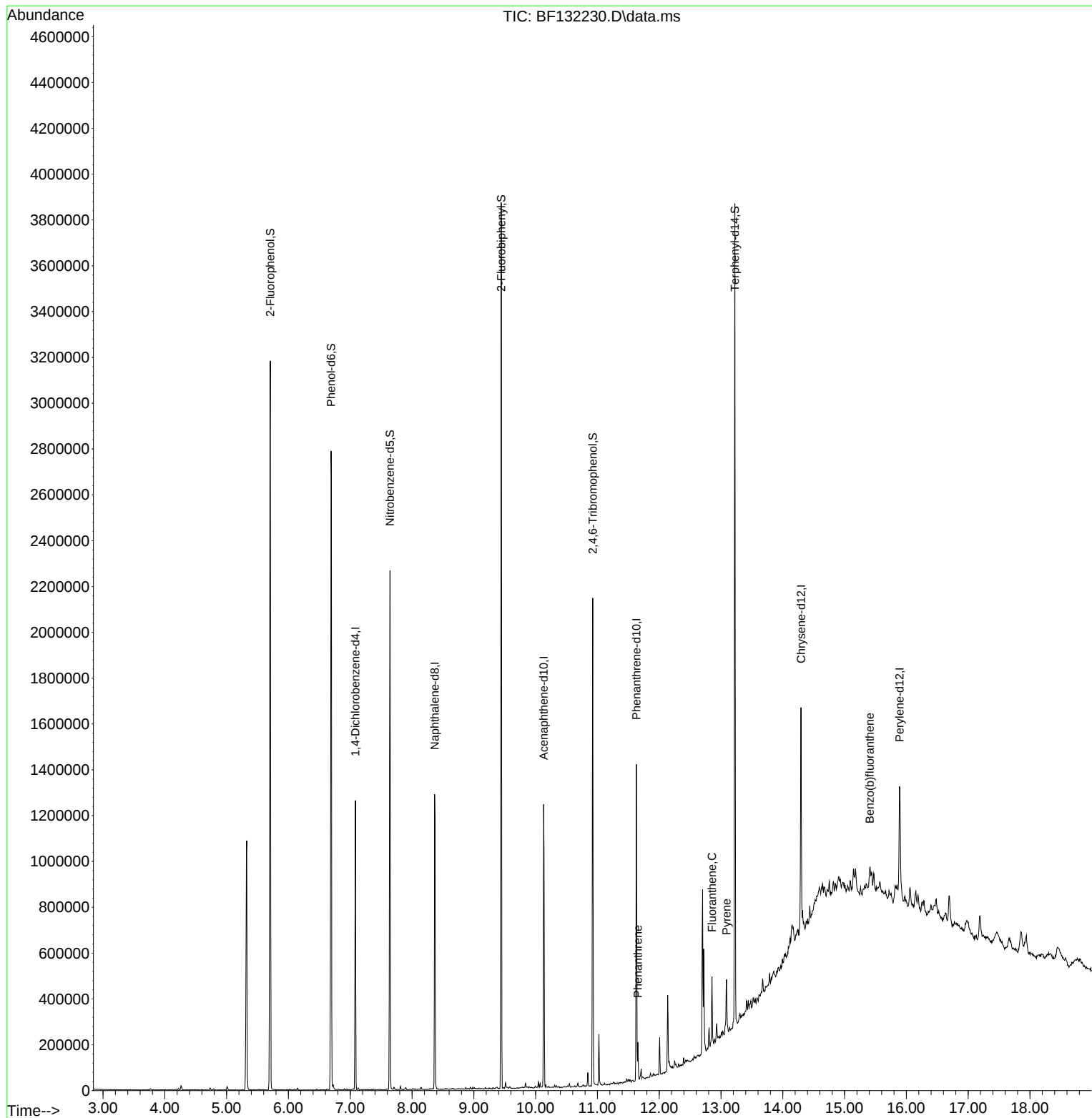
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.084	152	175668	20.000	ng	0.00
21) Naphthalene-d8	8.366	136	556184	20.000	ng	0.00
39) Acenaphthene-d10	10.131	164	242473	20.000	ng	0.00
64) Phenanthrene-d10	11.630	188	460169	20.000	ng	0.00
76) Chrysene-d12	14.295	240	305203	20.000	ng	0.00
86) Perylene-d12	15.889	264	236382	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.707	112	976361	92.475	ng	0.01
7) Phenol-d6	6.690	99	1135165	85.748	ng	0.00
23) Nitrobenzene-d5	7.642	82	678486	63.865	ng	0.00
42) 2,4,6-Tribromophenol	10.925	330	227746	101.434	ng	0.00
45) 2-Fluorobiphenyl	9.442	172	1049043	63.661	ng	0.00
79) Terphenyl-d14	13.224	244	1139971	58.683	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.654	178	53500	2.285	ng	98
75) Fluoranthene	12.854	202	101425	4.258	ng	99
78) Pyrene	13.089	202	85111	2.976	ng	99
88) Benzo(b)fluoranthene	15.407	252	32217	2.219	ng	# 48

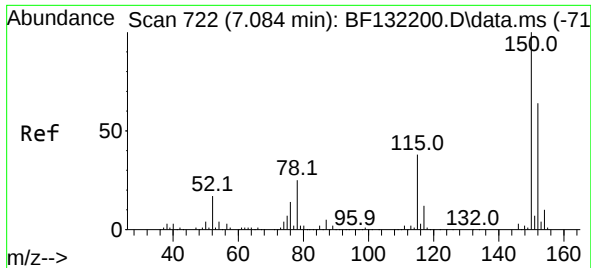
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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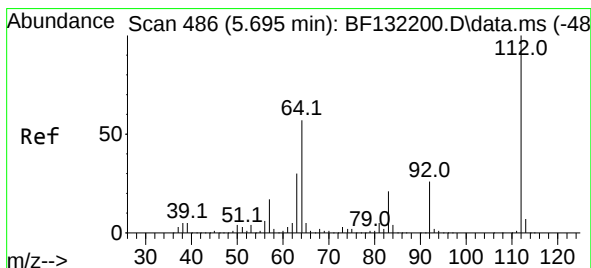
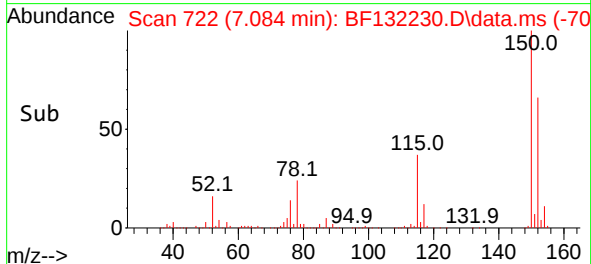
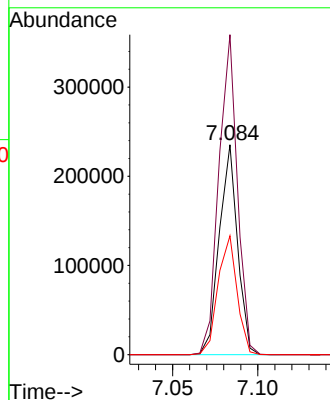
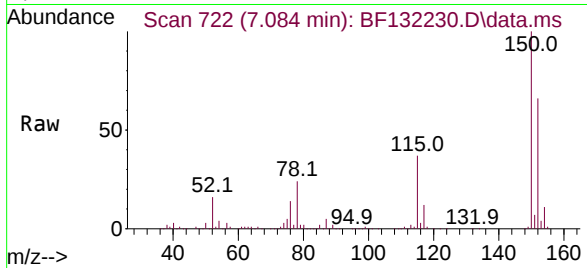




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.084 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF132230.D
Acq: 31 Jan 2023 01:40

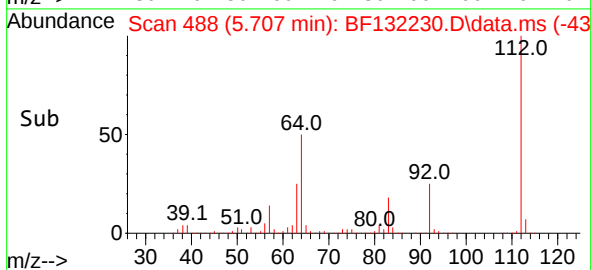
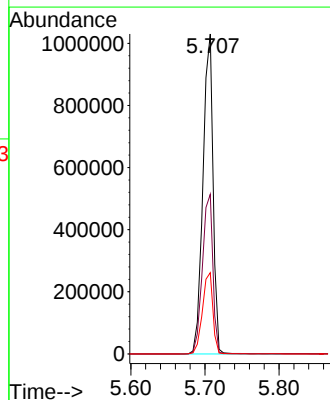
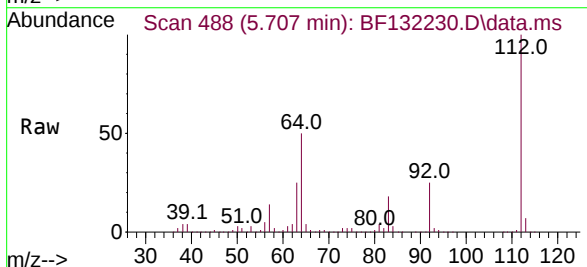
Instrument :
BNA_F
ClientSampleId :
SU-02-012723

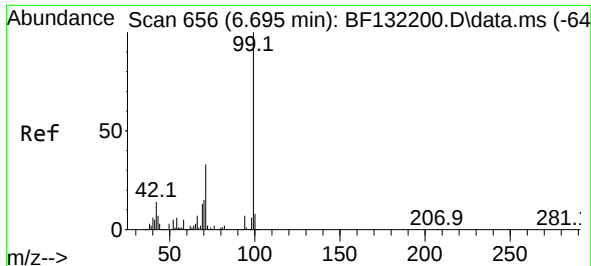
Tgt Ion:152 Resp: 175668
Ion Ratio Lower Upper
152 100
150 152.5 124.5 186.7
115 56.6 47.0 70.6



#5
2-Fluorophenol
Concen: 92.475 ng
RT: 5.707 min Scan# 488
Delta R.T. 0.012 min
Lab File: BF132230.D
Acq: 31 Jan 2023 01:40

Tgt Ion:112 Resp: 976361
Ion Ratio Lower Upper
112 100
64 49.9 45.5 68.3
63 25.4 23.7 35.5

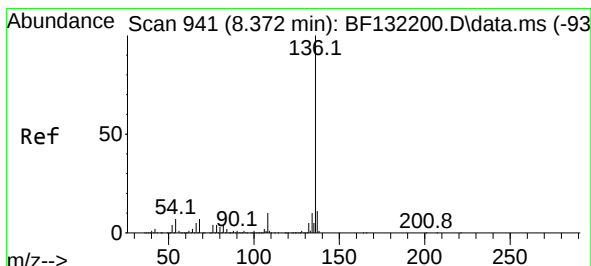
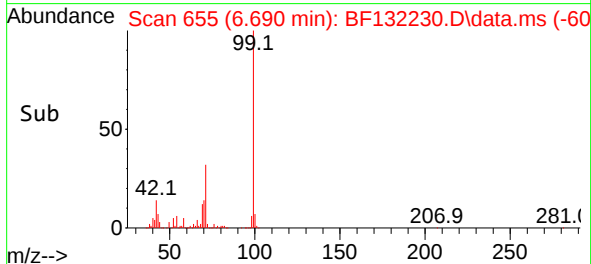
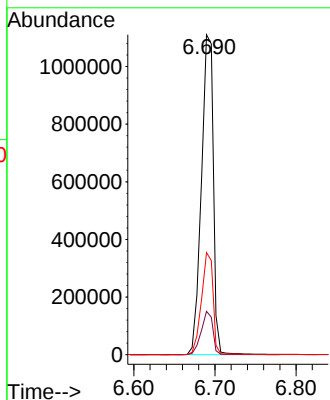
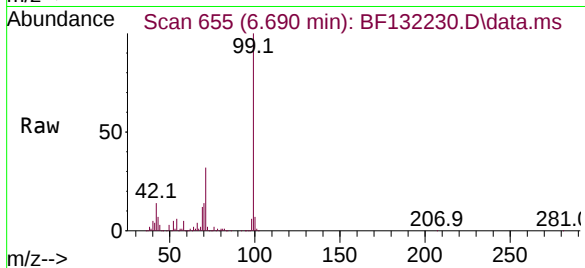




#7
Phenol-d6
Concen: 85.748 ng
RT: 6.690 min Scan# 61
Delta R.T. -0.006 min
Lab File: BF132230.D
Acq: 31 Jan 2023 01:40

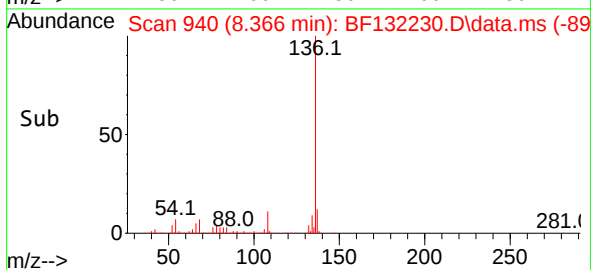
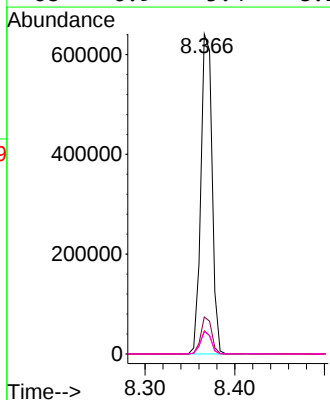
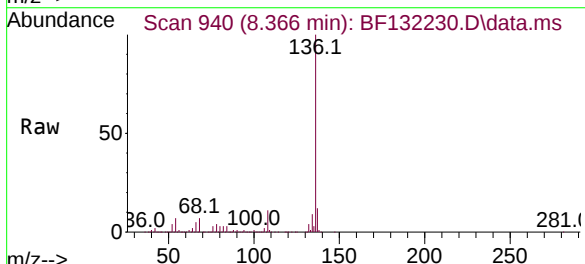
Instrument :
BNA_F
ClientSampleId :
SU-02-012723

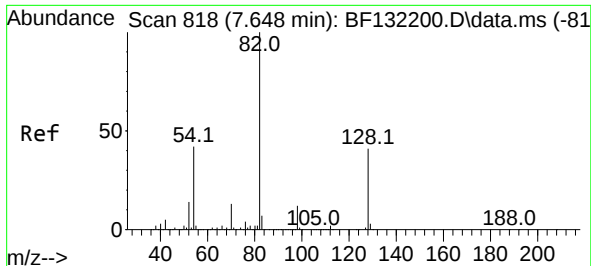
Tgt Ion: 99 Resp: 1135165
Ion Ratio Lower Upper
99 100
42 13.5 11.3 16.9
71 31.9 26.3 39.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.366 min Scan# 940
Delta R.T. -0.006 min
Lab File: BF132230.D
Acq: 31 Jan 2023 01:40

Tgt Ion:136 Resp: 556184
Ion Ratio Lower Upper
136 100
137 11.5 9.0 13.4
54 7.2 5.4 8.2
68 6.9 5.4 8.2

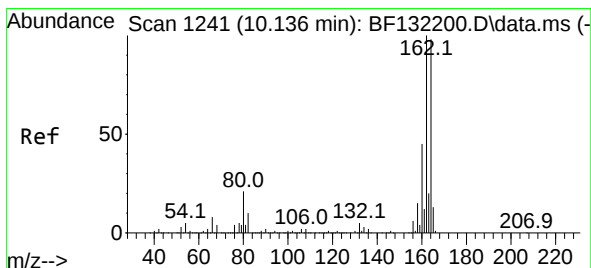
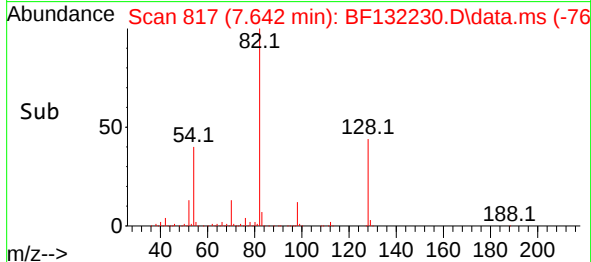
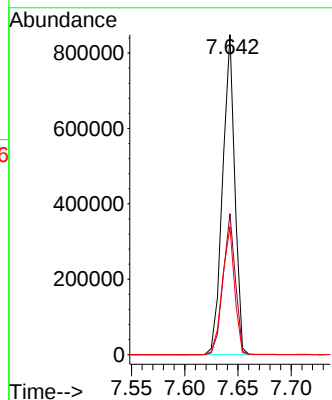
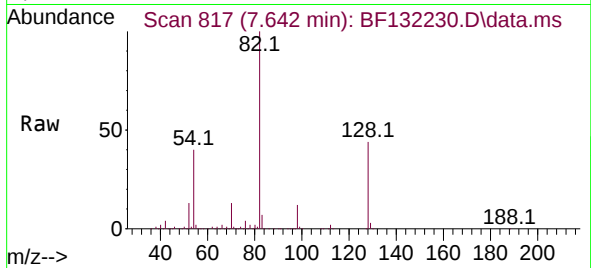




#23
Nitrobenzene-d5
Concen: 63.865 ng
RT: 7.642 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF132230.D
Acq: 31 Jan 2023 01:40

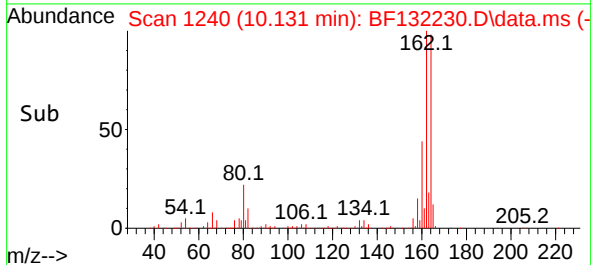
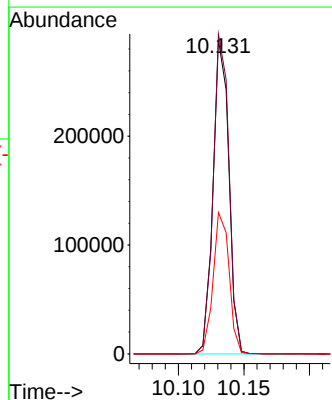
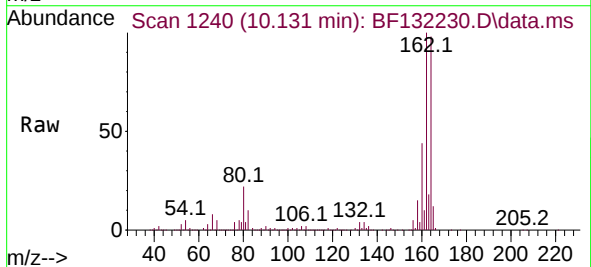
Instrument :
BNA_F
ClientSampleId :
SU-02-012723

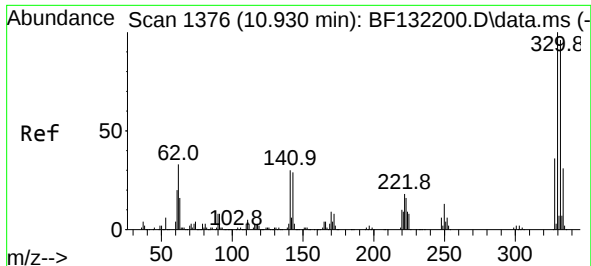
Tgt Ion: 82 Resp: 678486
Ion Ratio Lower Upper
82 100
128 44.1 32.7 49.1
54 39.8 33.3 49.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.131 min Scan# 1240
Delta R.T. -0.006 min
Lab File: BF132230.D
Acq: 31 Jan 2023 01:40

Tgt Ion:164 Resp: 242473
Ion Ratio Lower Upper
164 100
162 101.9 81.5 122.3
160 45.0 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 101.434 ng

RT: 10.925 min Scan# 1123

Delta R.T. -0.006 min

Lab File: BF132230.D

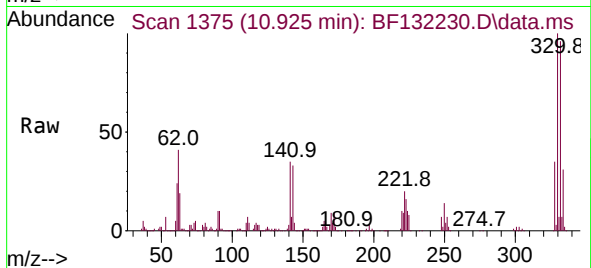
Acq: 31 Jan 2023 01:40

Instrument :

BNA_F

ClientSampleId :

SU-02-012723



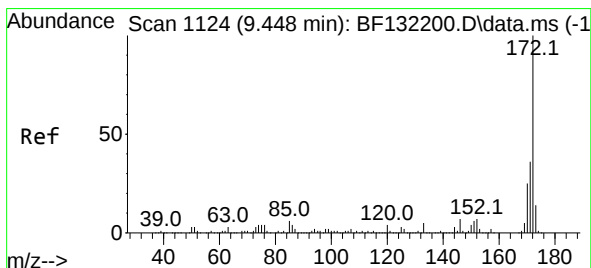
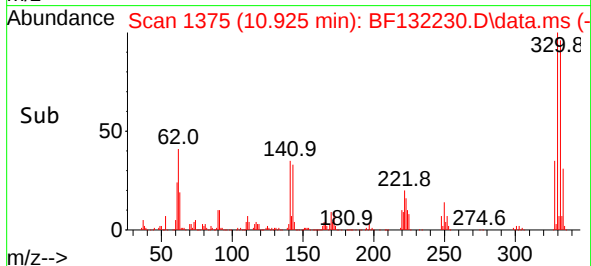
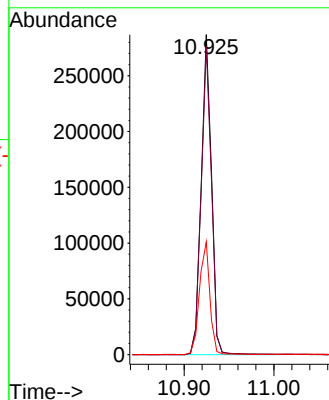
Tgt Ion:330 Resp: 227746

Ion Ratio Lower Upper

330 100

332 96.3 75.7 113.5

141 35.9 30.7 46.1



#45

2-Fluorobiphenyl

Concen: 63.661 ng

RT: 9.442 min Scan# 1123

Delta R.T. -0.006 min

Lab File: BF132230.D

Acq: 31 Jan 2023 01:40

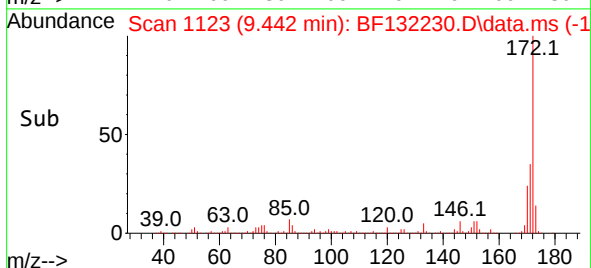
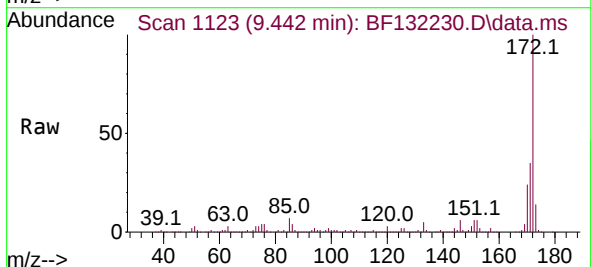
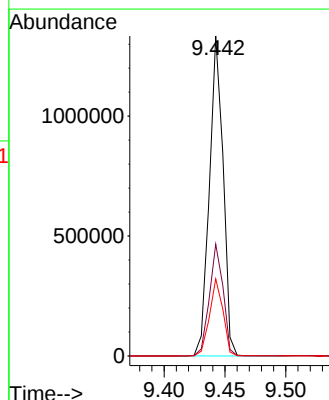
Tgt Ion:172 Resp: 1049043

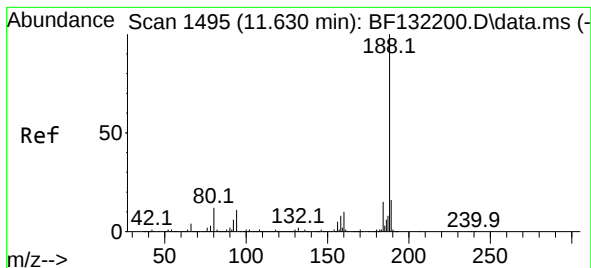
Ion Ratio Lower Upper

172 100

171 34.9 29.0 43.6

170 24.1 20.2 30.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.630 min Scan# 1495

Delta R.T. 0.000 min

Lab File: BF132230.D

Acq: 31 Jan 2023 01:40

Instrument :

BNA_F

ClientSampleId :

SU-02-012723

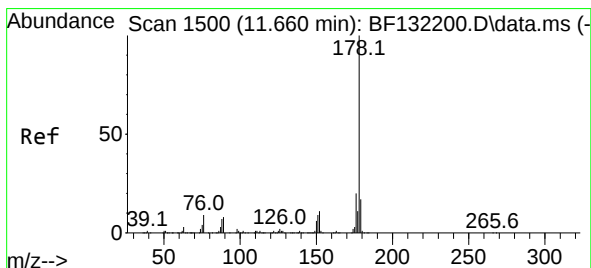
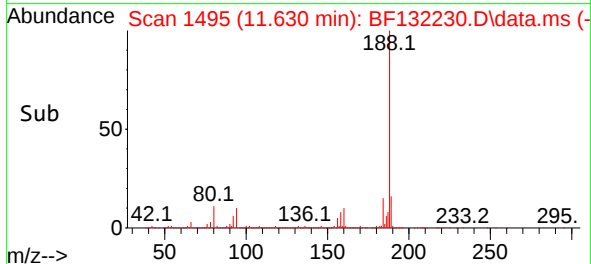
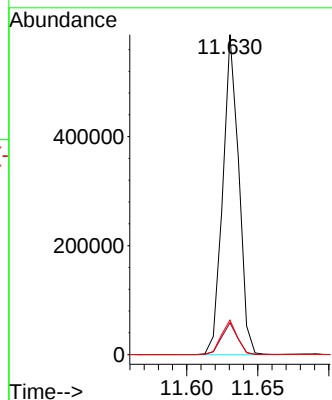
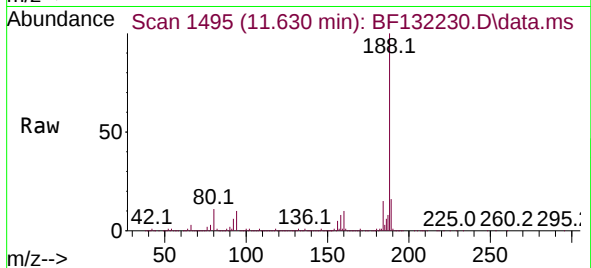
Tgt Ion:188 Resp: 460169

Ion Ratio Lower Upper

188 100

94 9.9 8.5 12.7

80 10.8 9.2 13.8



#71

Phenanthrene

Concen: 2.285 ng

RT: 11.654 min Scan# 1499

Delta R.T. -0.006 min

Lab File: BF132230.D

Acq: 31 Jan 2023 01:40

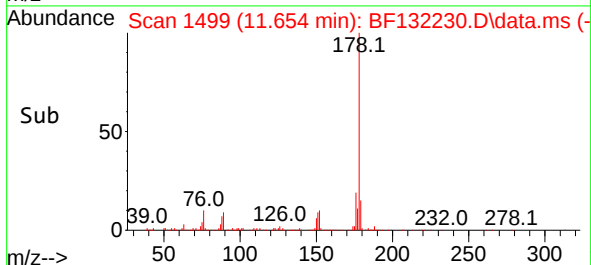
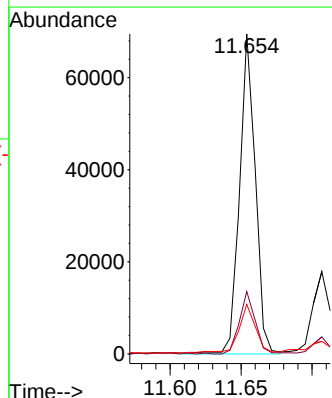
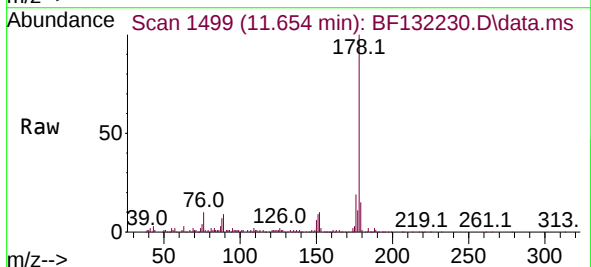
Tgt Ion:178 Resp: 53500

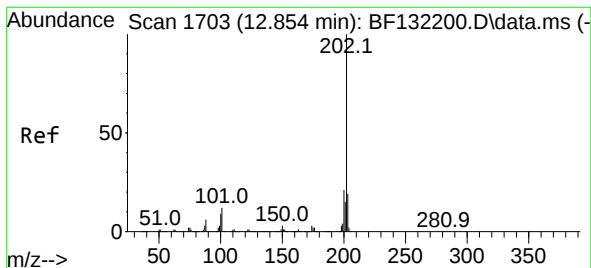
Ion Ratio Lower Upper

178 100

176 19.5 16.4 24.6

179 15.5 13.3 19.9





#75

Fluoranthene

Concen: 4.258 ng

RT: 12.854 min Scan# 1703

Delta R.T. -0.000 min

Lab File: BF132230.D

Acq: 31 Jan 2023 01:40

Instrument :

BNA_F

ClientSampleId :

SU-02-012723

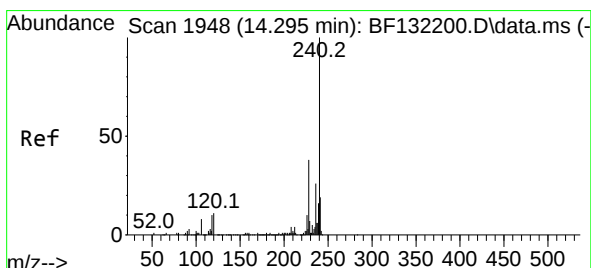
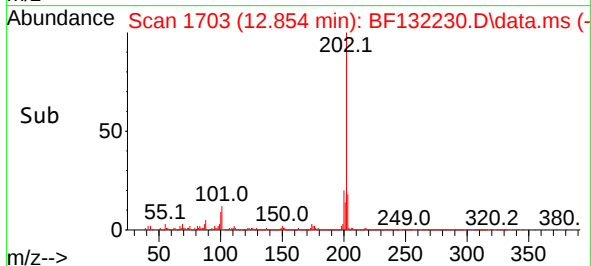
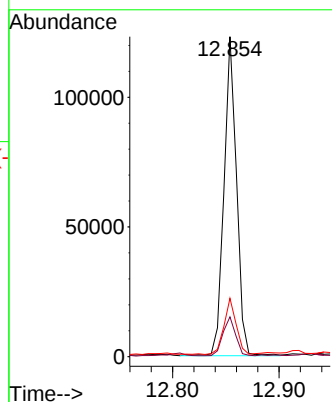
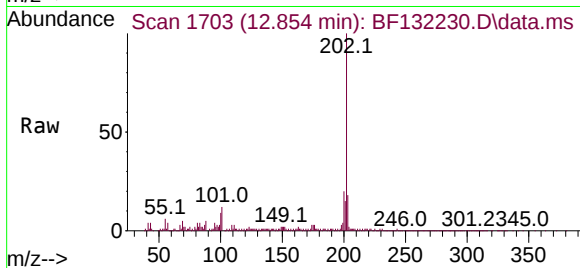
Tgt Ion:202 Resp: 101425

Ion Ratio Lower Upper

202 100

101 12.5 0.0 32.5

203 18.2 0.0 38.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.295 min Scan# 1948

Delta R.T. 0.000 min

Lab File: BF132230.D

Acq: 31 Jan 2023 01:40

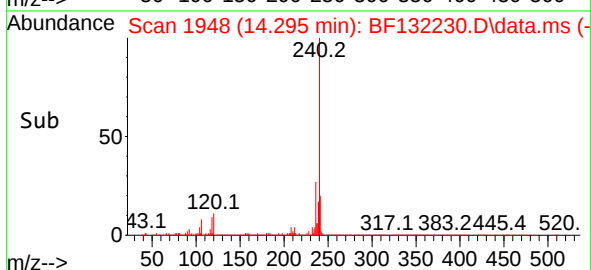
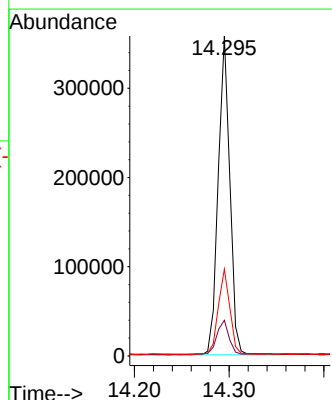
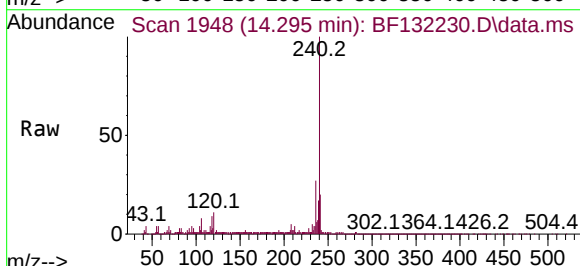
Tgt Ion:240 Resp: 305203

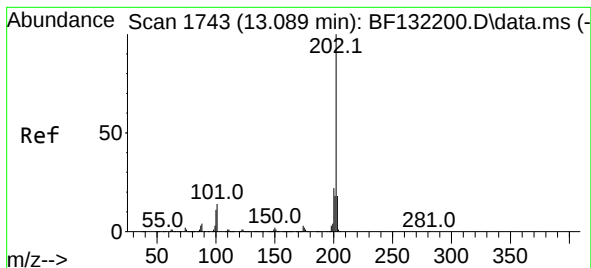
Ion Ratio Lower Upper

240 100

120 11.1 9.0 13.4

236 27.1 20.8 31.2





#78

Pyrene

Concen: 2.976 ng

RT: 13.089 min Scan# 1743

Delta R.T. 0.000 min

Lab File: BF132230.D

Acq: 31 Jan 2023 01:40

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SU-02-012723

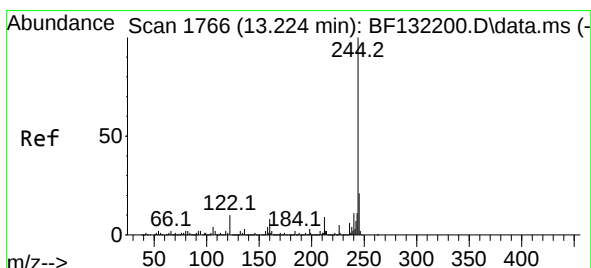
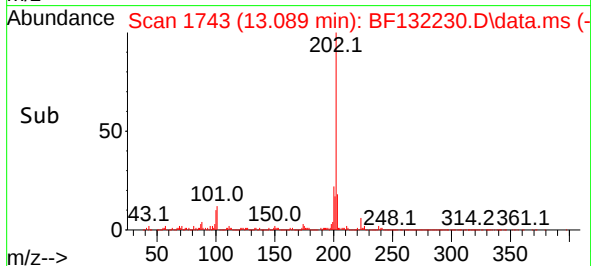
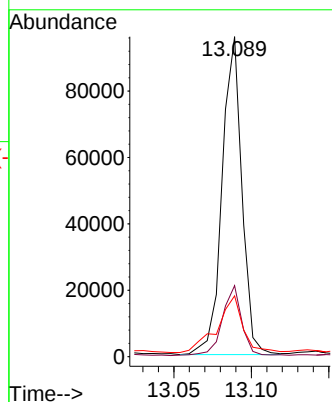
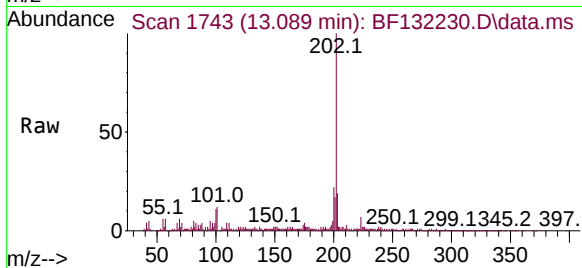
Tgt Ion:202 Resp: 85111

Ion Ratio Lower Upper

202 100

200 22.2 17.4 26.2

203 19.0 14.7 22.1



#79

Terphenyl-d14

Concen: 58.683 ng

RT: 13.224 min Scan# 1766

Delta R.T. 0.000 min

Lab File: BF132230.D

Acq: 31 Jan 2023 01:40

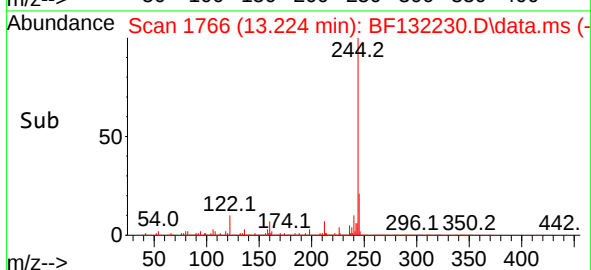
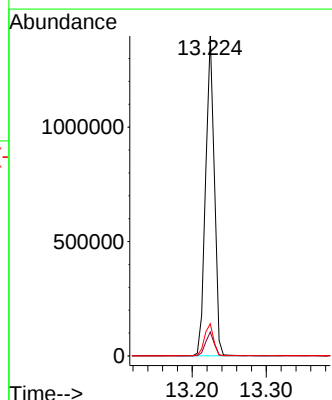
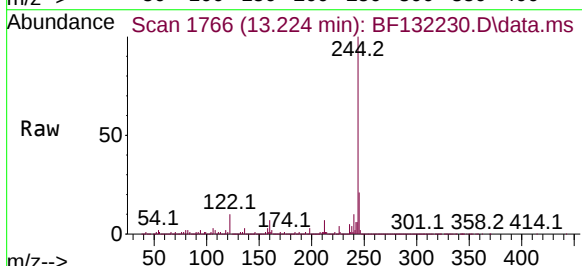
Tgt Ion:244 Resp: 1139971

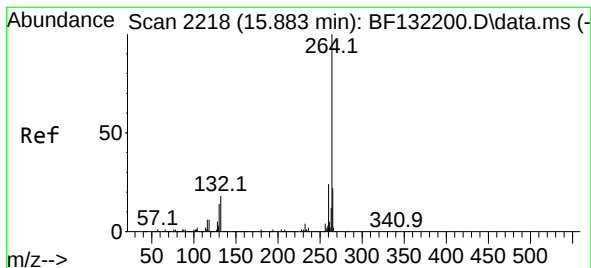
Ion Ratio Lower Upper

244 100

212 7.5 6.8 10.2

122 10.1 8.3 12.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.889 min Scan# 2218

Delta R.T. 0.006 min

Lab File: BF132230.D

Acq: 31 Jan 2023 01:40

Instrument :

BNA_F

ClientSampleId :

SU-02-012723

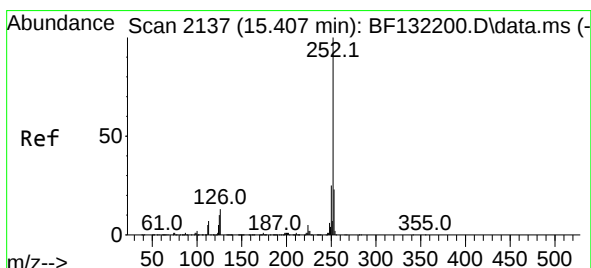
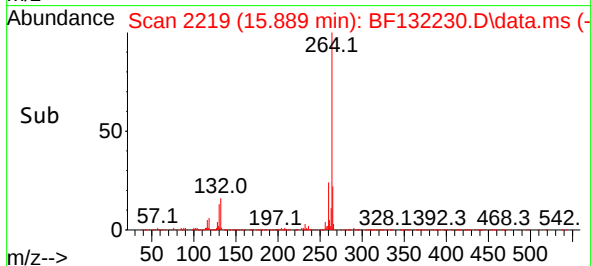
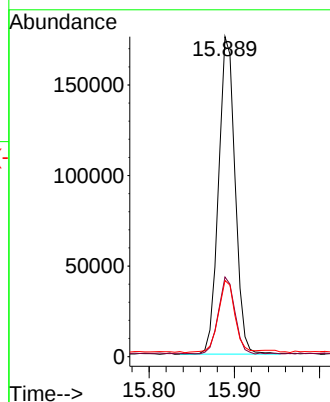
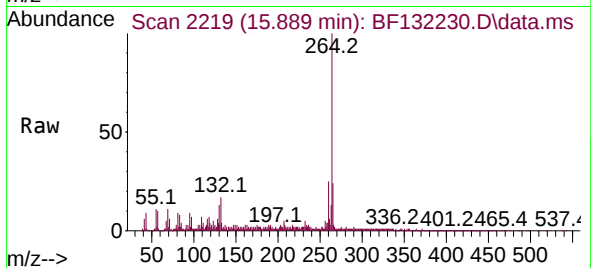
Tgt Ion:264 Resp: 236382

Ion Ratio Lower Upper

264 100

260 24.9 18.8 28.2

265 23.8 17.4 26.2



#88

Benzo(b)fluoranthene

Concen: 2.219 ng

RT: 15.407 min Scan# 2137

Delta R.T. 0.000 min

Lab File: BF132230.D

Acq: 31 Jan 2023 01:40

Tgt Ion:252 Resp: 32217

Ion Ratio Lower Upper

252 100

253 44.2 18.0 27.0#

125 35.6 8.2 12.4#

