

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110322\
 Data File : BF130971.D
 Acq On : 03 Nov 2022 21:28
 Operator : CG\JU
 Sample : N5395-13
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-13-103122

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 11/04/2022
 Supervised By :Sohil Jodhani 11/04/2022

Quant Time: Nov 04 06:23:04 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 06:20:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.916	152	65873	20.000	ng	0.00
21) Naphthalene-d8	8.198	136	211602	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	94364	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	161917	20.000	ng	0.00
76) Chrysene-d12	14.104	240	176419	20.000	ng	0.00
86) Perylene-d12	15.615	264	146428	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	409838	107.859	ng	0.00
7) Phenol-d6	6.534	99	473880	95.970	ng	0.00
23) Nitrobenzene-d5	7.481	82	308699	87.968	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	91693	115.431	ng	0.00
45) 2-Fluorobiphenyl	9.275	172	462165	74.047	ng	0.00
79) Terphenyl-d14	13.045	244	535241	55.595	ng	0.00
Target Compounds						Qvalue
58) Fluorene	10.510	166	14169	2.357	ng	98
71) Phenanthrene	11.475	178	159992	19.145	ng	99
72) Anthracene	11.527	178	43845	5.319	ng	98
73) Carbazole	11.680	167	15203	2.060	ng	# 91
75) Fluoranthene	12.674	202	315042	35.480	ng	97
78) Pyrene	12.904	202	279322	18.766	ng	98
81) Benzo(a)anthracene	14.092	228	166642	14.247	ng	98
83) Chrysene	14.127	228	148172	13.133	ng	97
87) Indeno(1,2,3-cd)pyrene	17.145	276	59405	6.109	ng	96
88) Benzo(b)fluoranthene	15.168	252	188457m	19.910	ng	
89) Benzo(k)fluoranthene	15.192	252	50647m	5.491	ng	
90) Benzo(a)pyrene	15.545	252	118847	15.619	ng	95
92) Benzo(g,h,i)perylene	17.604	276	49201	6.084	ng	95

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

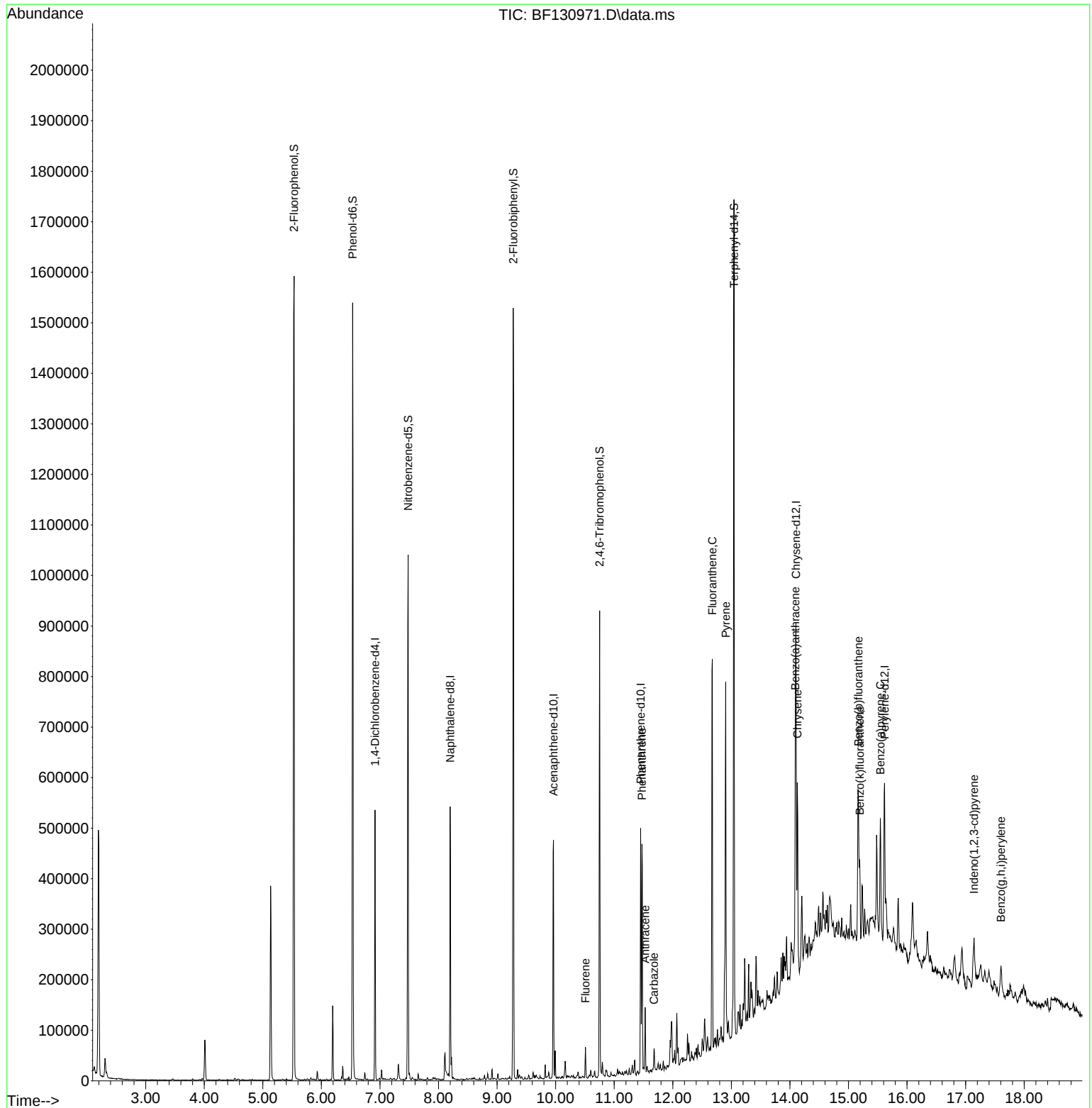
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110322\
Data File : BF130971.D
Acq On : 03 Nov 2022 21:28
Operator : CG\JU
Sample : N5395-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-13-103122

Quant Time: Nov 04 06:23:04 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 04 06:20:24 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

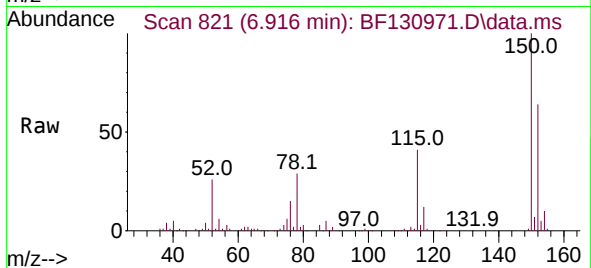
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.916 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF130971.D
Acq: 03 Nov 2022 21:28

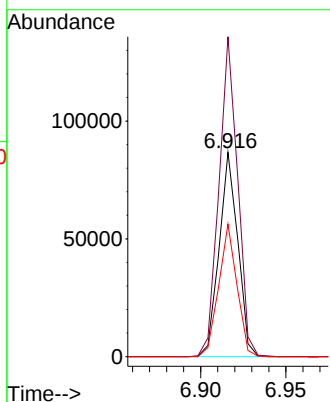
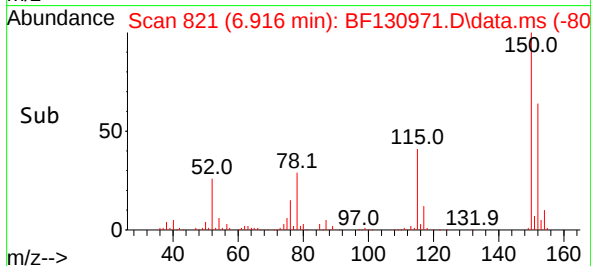
Instrument :
BNA_F
ClientSampleId :
S-13-103122



Tgt Ion:152 Resp: 65873
Ion Ratio Lower Upper
152 100
150 156.7 124.1 186.1
115 64.9 50.1 75.1

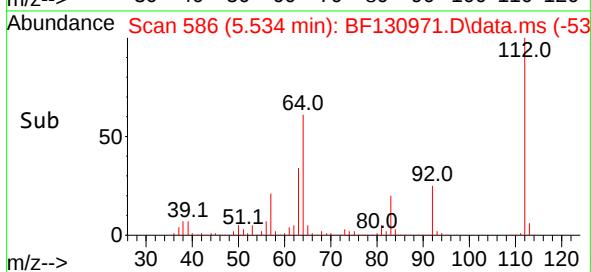
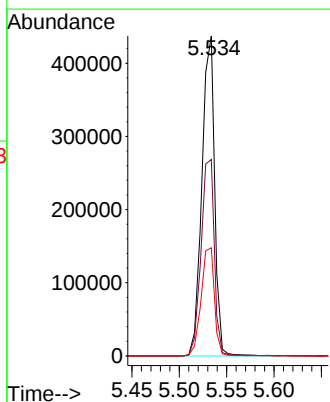
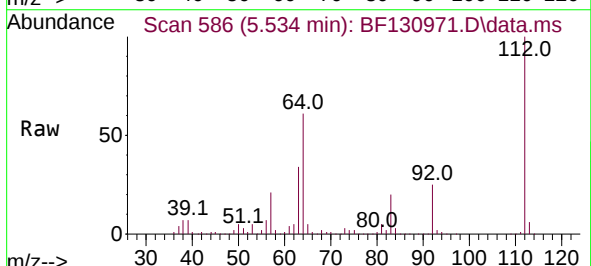
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#5
2-Fluorophenol
Concen: 107.859 ng
RT: 5.534 min Scan# 586
Delta R.T. 0.006 min
Lab File: BF130971.D
Acq: 03 Nov 2022 21:28

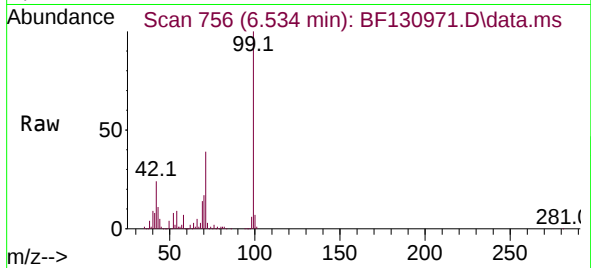
Tgt Ion:112 Resp: 409838
Ion Ratio Lower Upper
112 100
64 61.4 53.9 80.9
63 33.8 29.4 44.2





#7
Phenol-d6
Concen: 95.970 ng
RT: 6.534 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130971.D
Acq: 03 Nov 2022 21:28

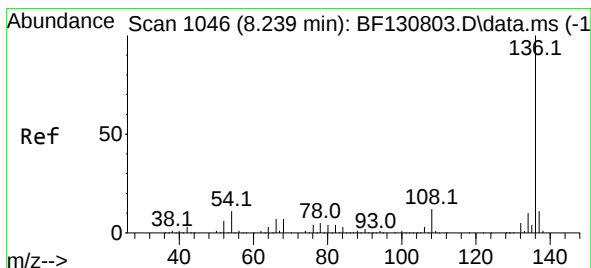
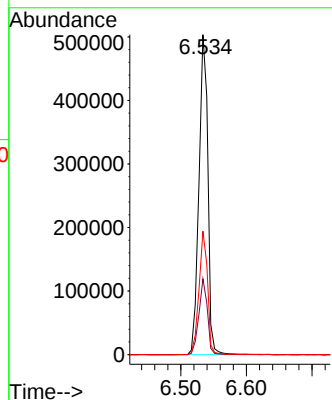
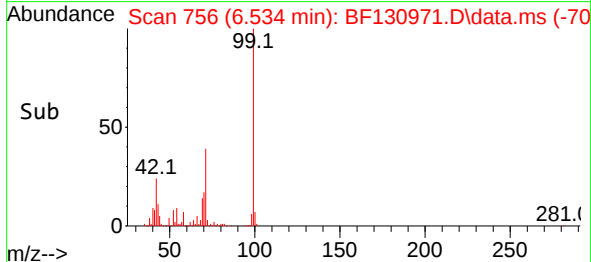
Instrument :
BNA_F
ClientSampleId :
S-13-103122



Tgt Ion: 99 Resp: 473880
Ion Ratio Lower Upper
99 100
42 23.7 18.8 28.2
71 38.6 31.4 47.0

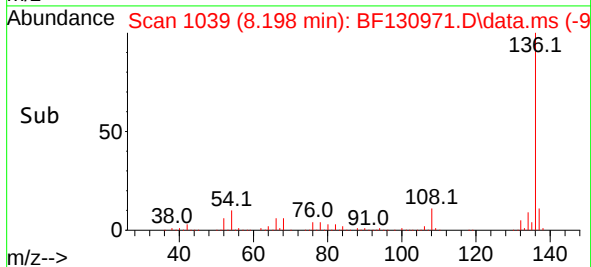
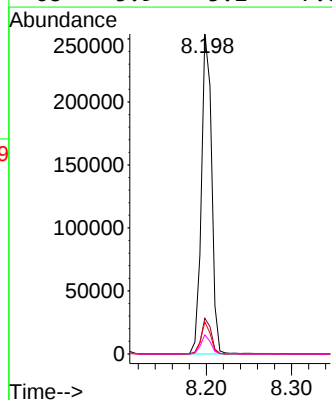
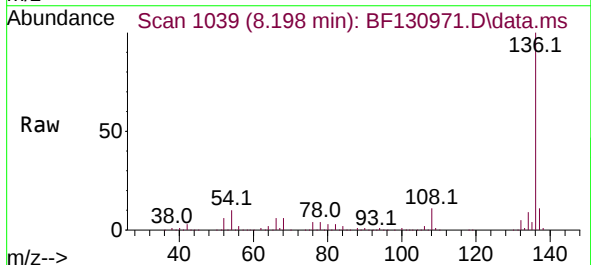
Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.198 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF130971.D
Acq: 03 Nov 2022 21:28

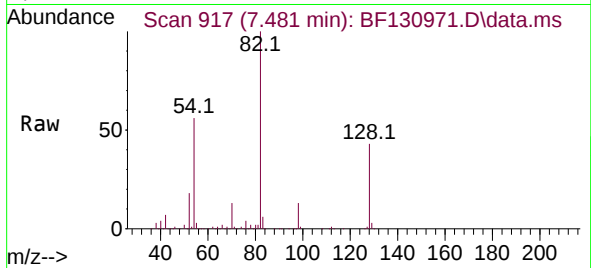
Tgt Ion:136 Resp: 211602
Ion Ratio Lower Upper
136 100
137 11.1 9.2 13.8
54 10.0 8.8 13.2
68 5.9 5.2 7.8





#23
Nitrobenzene-d5
Concen: 87.968 ng
RT: 7.481 min Scan# 917
Delta R.T. -0.006 min
Lab File: BF130971.D
Acq: 03 Nov 2022 21:28

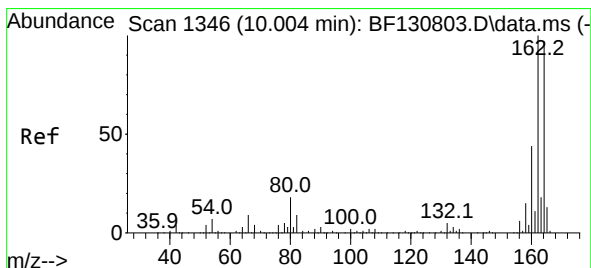
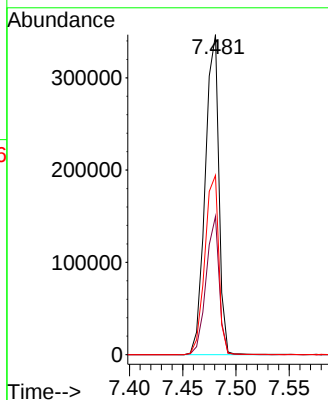
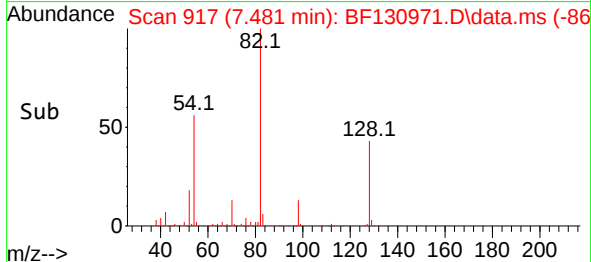
Instrument :
BNA_F
ClientSampleId :
S-13-103122



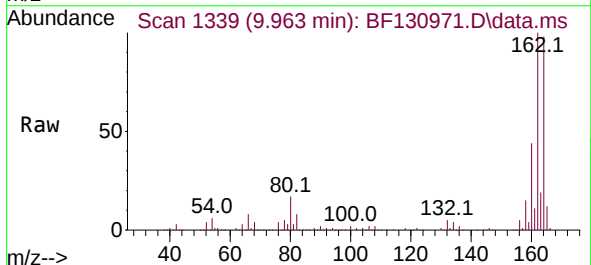
Tgt Ion: 82 Resp: 308699
Ion Ratio Lower Upper
82 100
128 43.2 31.2 46.8
54 56.0 48.0 72.0

Manual Integrations
APPROVED

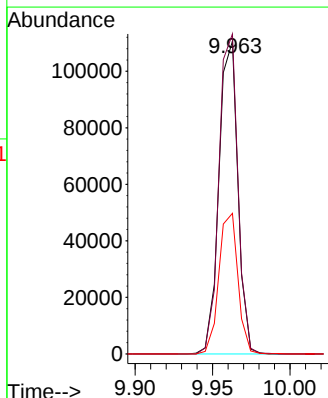
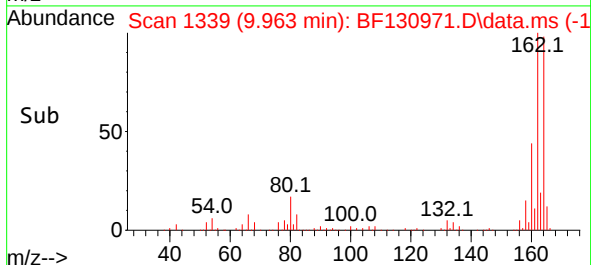
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022

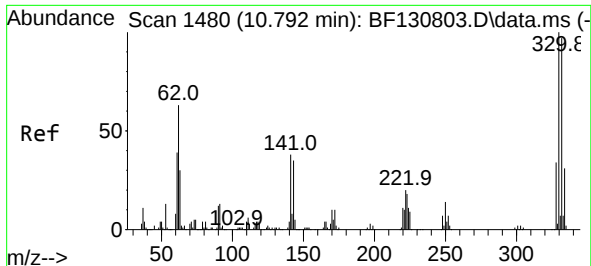


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF130971.D
Acq: 03 Nov 2022 21:28



Tgt Ion:164 Resp: 94364
Ion Ratio Lower Upper
164 100
162 102.3 82.2 123.2
160 45.0 36.6 54.8





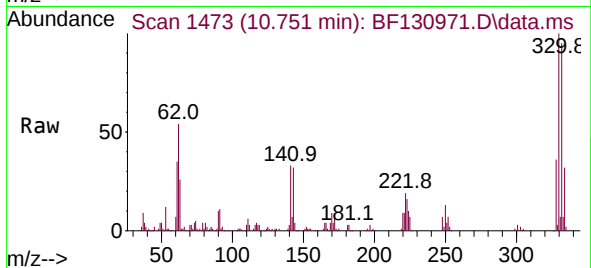
#42
2,4,6-Tribromophenol
Concen: 115.431 ng
RT: 10.751 min Scan# 1480
Delta R.T. -0.006 min
Lab File: BF130971.D
Acq: 03 Nov 2022 21:28

Instrument :

BNA_F

ClientSampleId :

S-13-103122

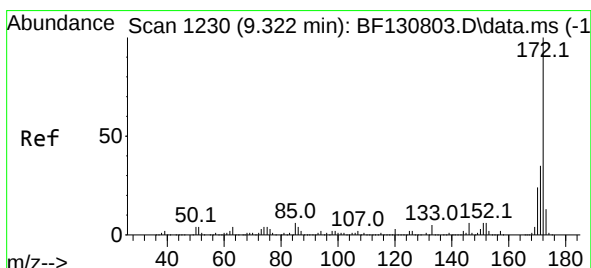
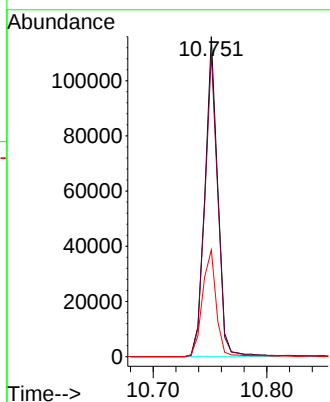
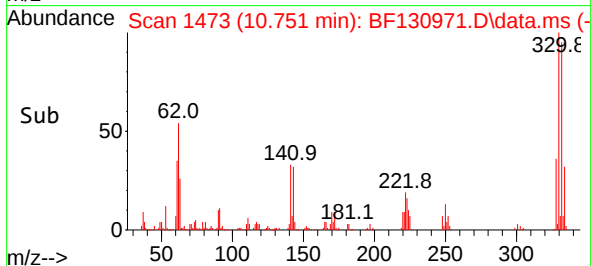


Tgt Ion:330 Resp: 91693
Ion Ratio Lower Upper
330 100
332 95.8 76.2 114.4
141 35.9 31.4 47.0

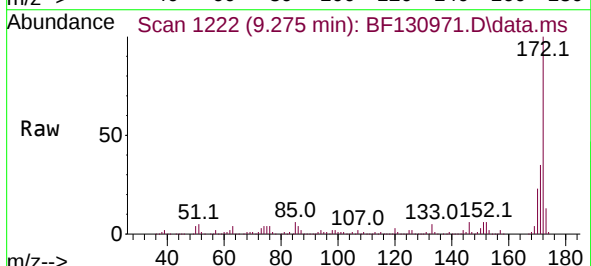
Manual Integrations

APPROVED

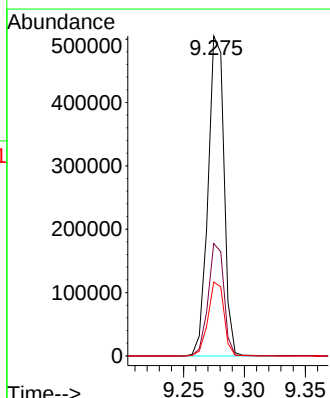
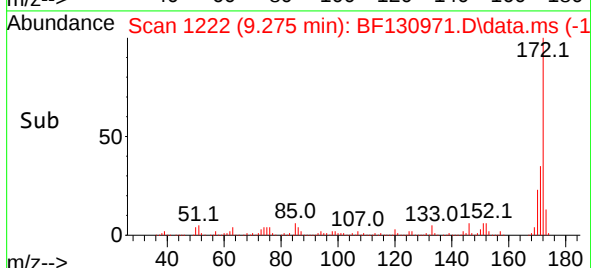
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022

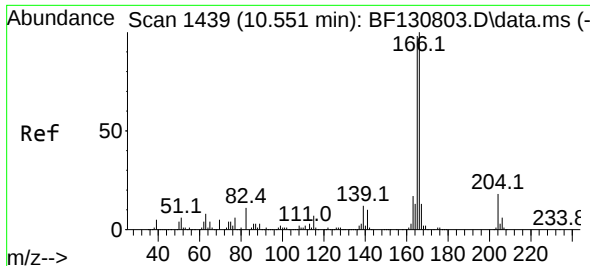


#45
2-Fluorobiphenyl
Concen: 74.047 ng
RT: 9.275 min Scan# 1222
Delta R.T. -0.006 min
Lab File: BF130971.D
Acq: 03 Nov 2022 21:28



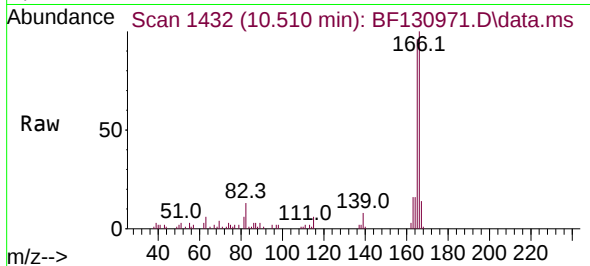
Tgt Ion:172 Resp: 462165
Ion Ratio Lower Upper
172 100
171 35.1 28.1 42.1
170 23.1 19.0 28.4





#58
Fluorene
Concen: 2.357 ng
RT: 10.510 min Scan# 1439
Delta R.T. -0.006 min
Lab File: BF130971.D
Acq: 03 Nov 2022 21:28

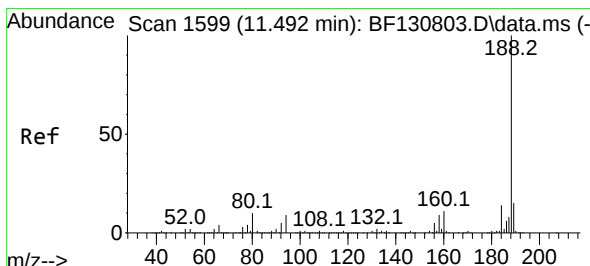
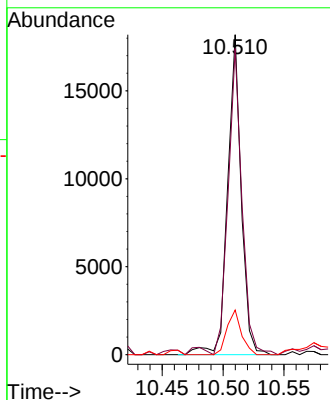
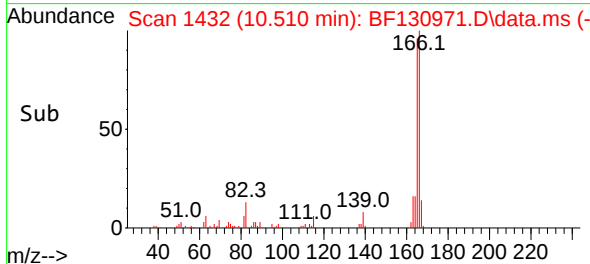
Instrument :
BNA_F
ClientSampleId :
S-13-103122



Tgt Ion:166 Resp: 14169
Ion Ratio Lower Upper
166 100
165 95.6 78.1 117.1
167 13.9 10.4 15.6

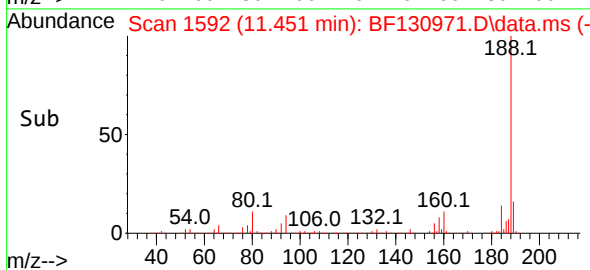
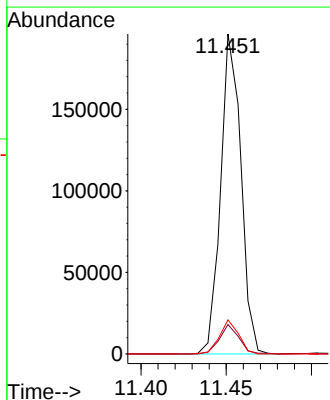
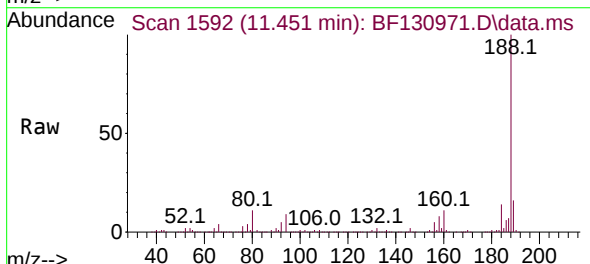
Manual Integrations
APPROVED

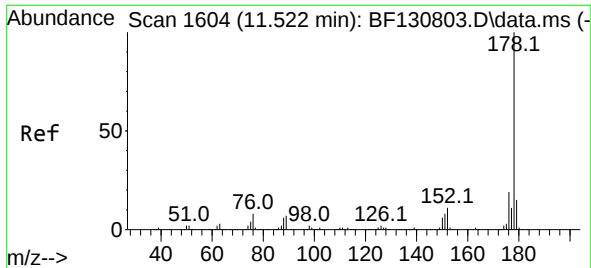
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF130971.D
Acq: 03 Nov 2022 21:28

Tgt Ion:188 Resp: 161917
Ion Ratio Lower Upper
188 100
94 9.2 7.4 11.2
80 10.6 8.0 12.0





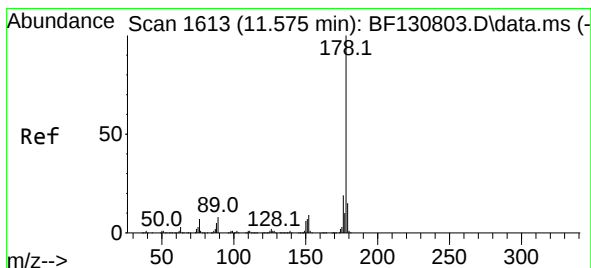
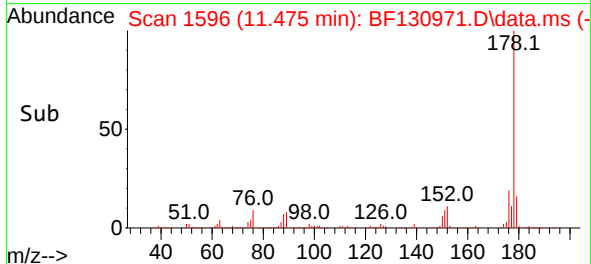
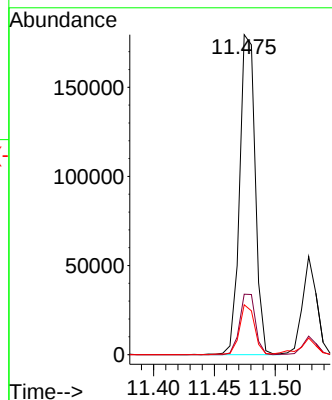
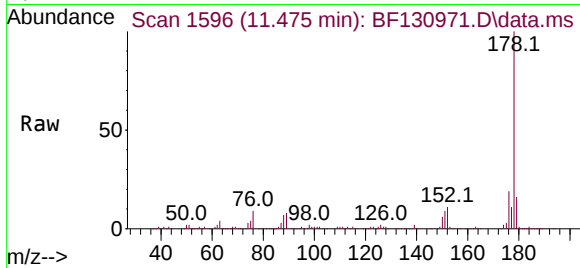
#71
Phenanthrene
Concen: 19.145 ng
RT: 11.475 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130971.D
Acq: 03 Nov 2022 21:28

Instrument :
BNA_F
ClientSampleId :
S-13-103122

Tgt Ion:178 Resp: 159992
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 15.6 12.2 18.2

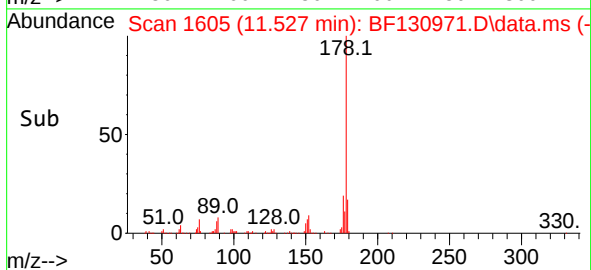
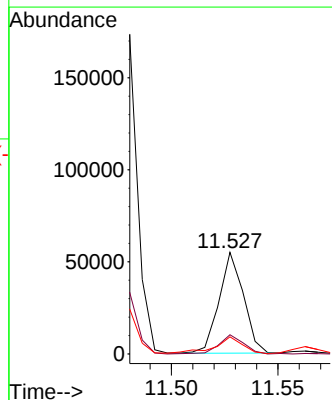
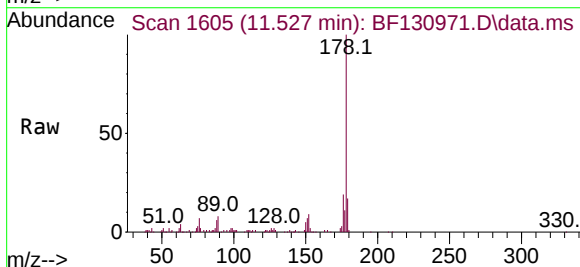
Manual Integrations
APPROVED

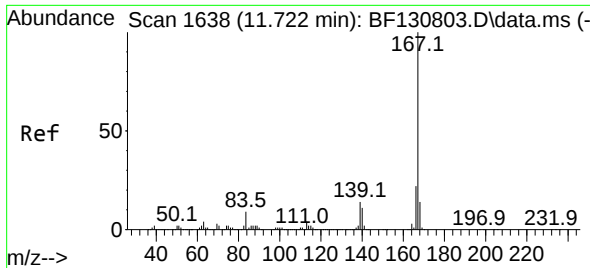
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#72
Anthracene
Concen: 5.319 ng
RT: 11.527 min Scan# 1605
Delta R.T. -0.006 min
Lab File: BF130971.D
Acq: 03 Nov 2022 21:28

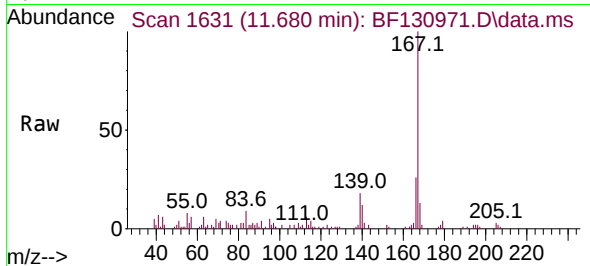
Tgt Ion:178 Resp: 43845
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 16.8 12.2 18.4





#73
 Carbazole
 Concen: 2.060 ng
 RT: 11.680 min Scan# 1631
 Delta R.T. -0.006 min
 Lab File: BF130971.D
 Acq: 03 Nov 2022 21:28

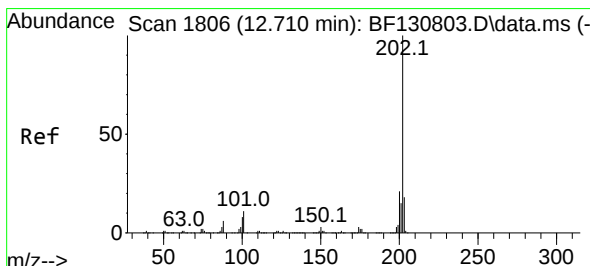
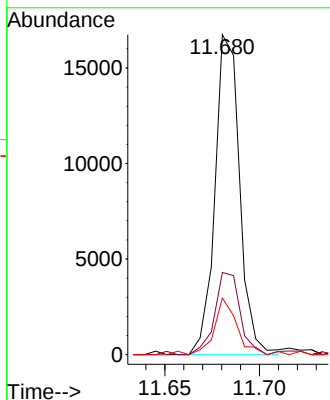
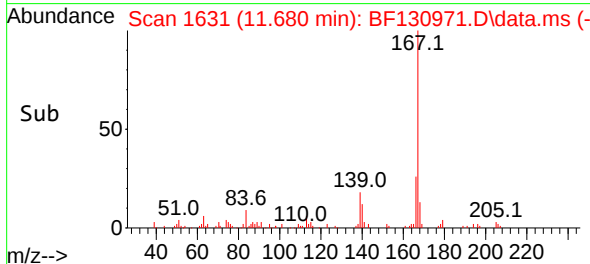
Instrument :
 BNA_F
 ClientSampleId :
 S-13-103122



Tgt Ion:167 Resp: 15203
 Ion Ratio Lower Upper
 167 100
 166 25.7 17.4 26.0
 139 17.7 11.3 16.9

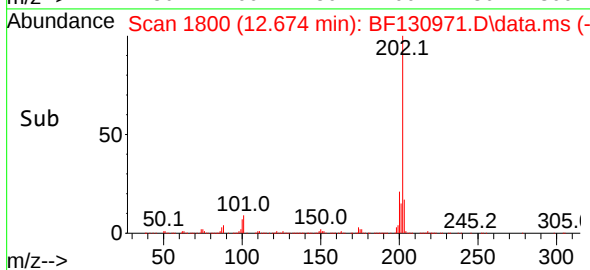
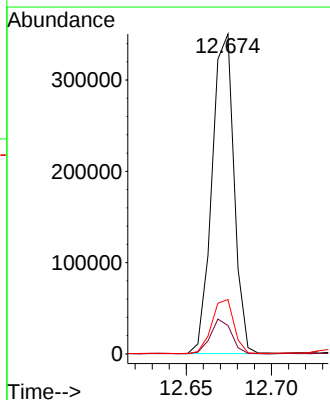
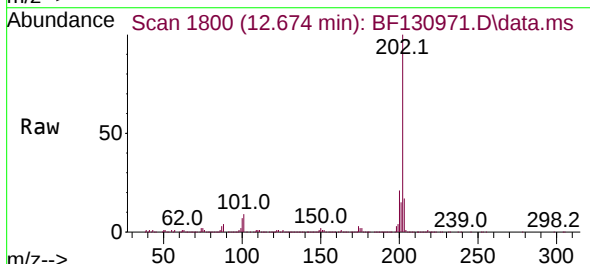
Manual Integrations
 APPROVED

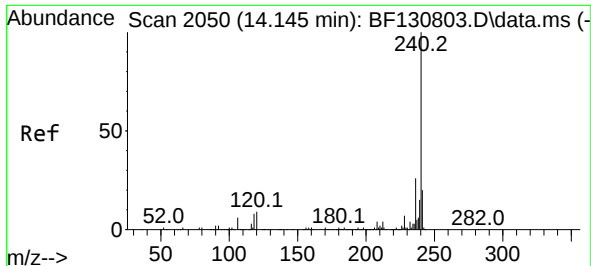
Reviewed By :Christian Giraldo 11/04/2022
 Supervised By :Sohil Jodhani 11/04/2022



#75
 Fluoranthene
 Concen: 35.480 ng
 RT: 12.674 min Scan# 1800
 Delta R.T. -0.000 min
 Lab File: BF130971.D
 Acq: 03 Nov 2022 21:28

Tgt Ion:202 Resp: 315042
 Ion Ratio Lower Upper
 202 100
 101 8.9 0.0 30.9
 203 17.0 0.0 37.7





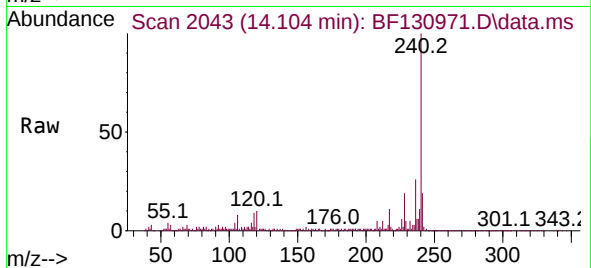
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.104 min Scan# 2050
Delta R.T. -0.000 min
Lab File: BF130971.D
Acq: 03 Nov 2022 21:28

Instrument :

BNA_F

ClientSampleId :

S-13-103122

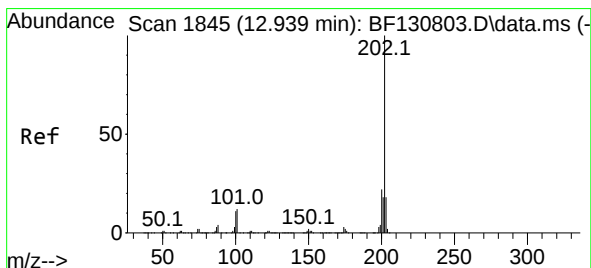
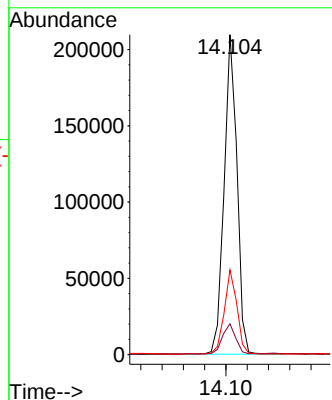
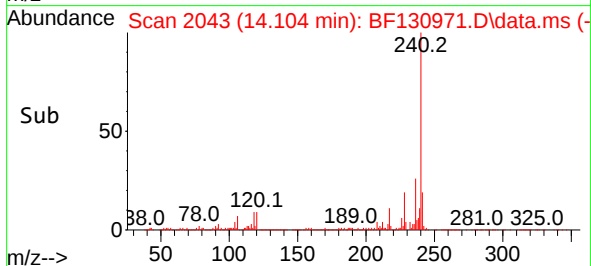


Tgt Ion:240 Resp: 176419
Ion Ratio Lower Upper
240 100
120 9.6 7.0 10.4
236 26.5 20.5 30.7

Manual Integrations

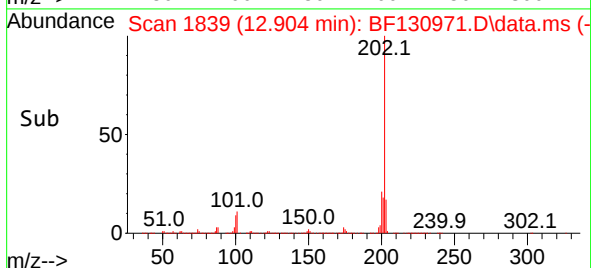
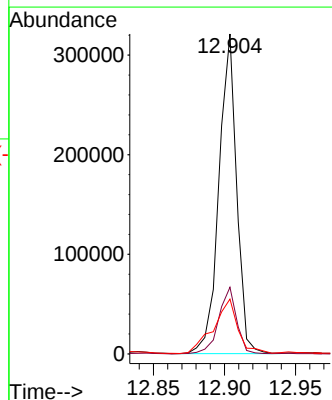
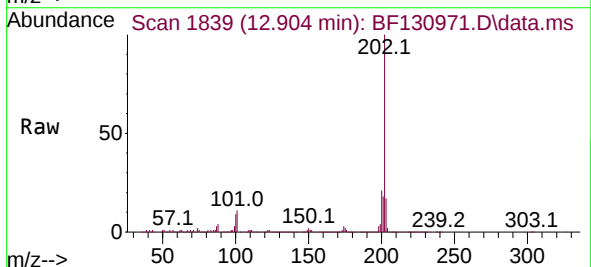
APPROVED

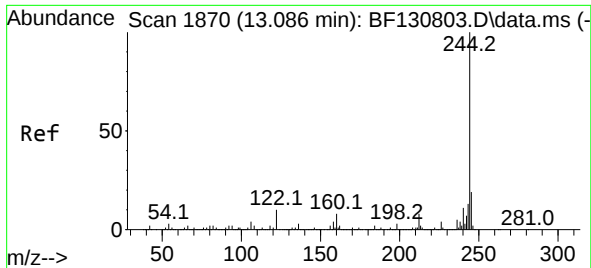
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#78
Pyrene
Concen: 18.766 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.000 min
Lab File: BF130971.D
Acq: 03 Nov 2022 21:28

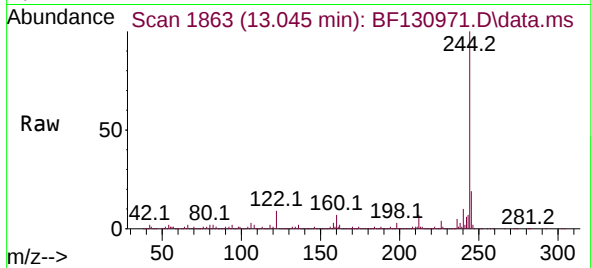
Tgt Ion:202 Resp: 279322
Ion Ratio Lower Upper
202 100
200 20.8 17.2 25.8
203 17.1 14.5 21.7





#79
 Terphenyl-d14
 Concen: 55.595 ng
 RT: 13.045 min Scan# 1863
 Delta R.T. -0.000 min
 Lab File: BF130971.D
 Acq: 03 Nov 2022 21:28

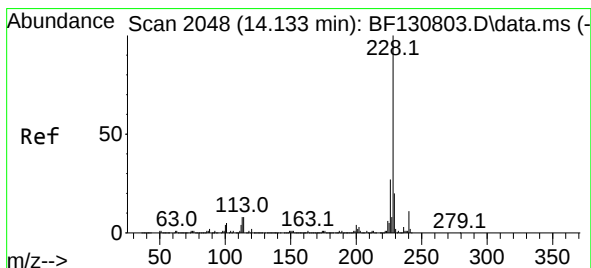
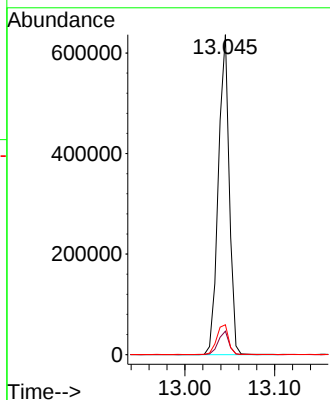
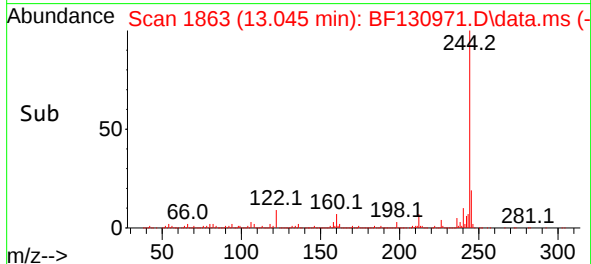
Instrument :
 BNA_F
 ClientSampleId :
 S-13-103122



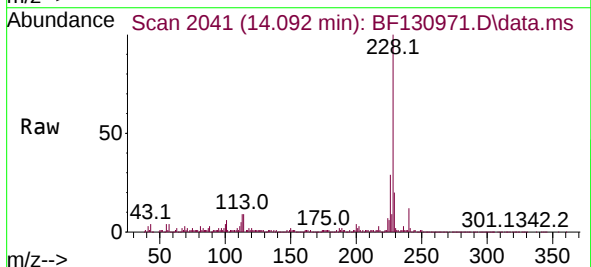
Tgt Ion:244 Resp: 535241
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.2 9.2
 122 9.3 7.9 11.9

Manual Integrations
 APPROVED

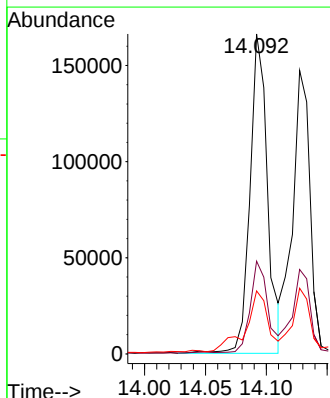
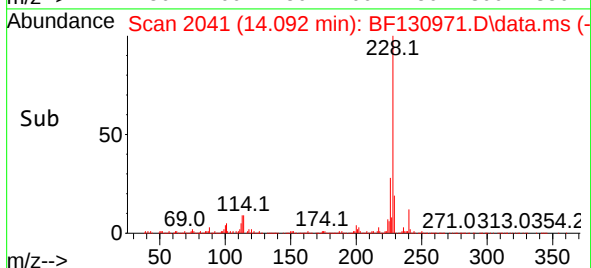
Reviewed By :Christian Giraldo 11/04/2022
 Supervised By :Sohil Jodhani 11/04/2022

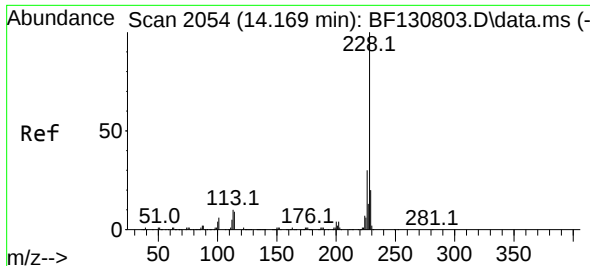


#81
 Benzo(a)anthracene
 Concen: 14.247 ng
 RT: 14.092 min Scan# 2041
 Delta R.T. -0.006 min
 Lab File: BF130971.D
 Acq: 03 Nov 2022 21:28



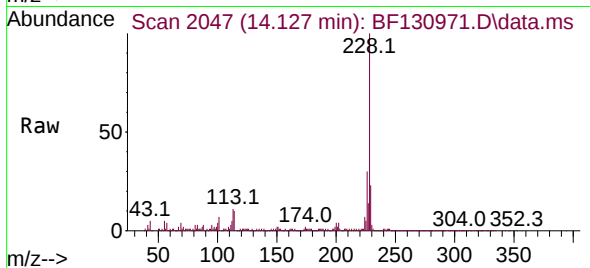
Tgt Ion:228 Resp: 166642
 Ion Ratio Lower Upper
 228 100
 226 29.0 21.4 32.2
 229 19.7 15.8 23.6





#83
Chrysene
Concen: 13.133 ng
RT: 14.127 min Scan# 2054
Delta R.T. -0.006 min
Lab File: BF130971.D
Acq: 03 Nov 2022 21:28

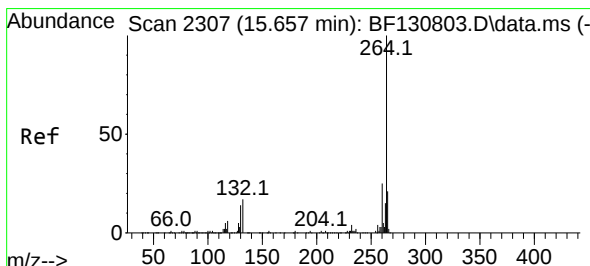
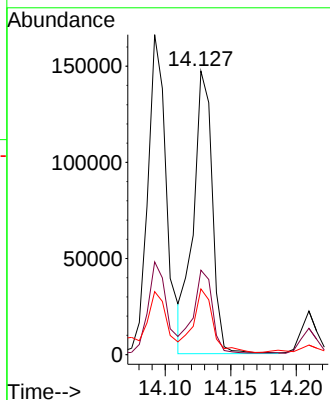
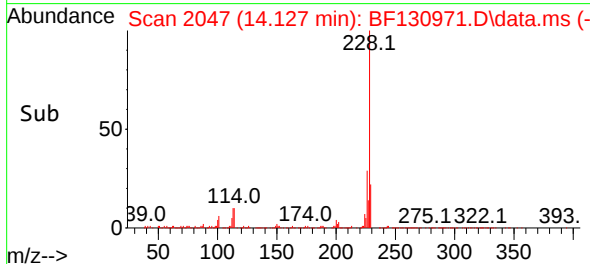
Instrument :
BNA_F
ClientSampleId :
S-13-103122



Tgt Ion:228 Resp: 148172
Ion Ratio Lower Upper
228 100
226 29.8 23.9 35.9
229 23.2 15.8 23.6

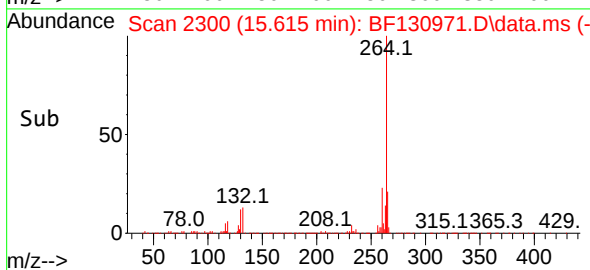
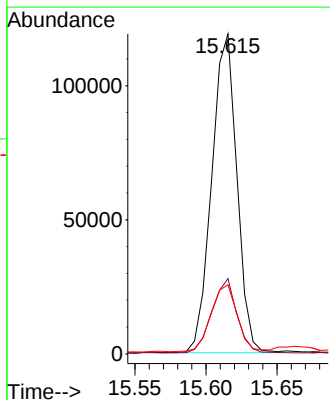
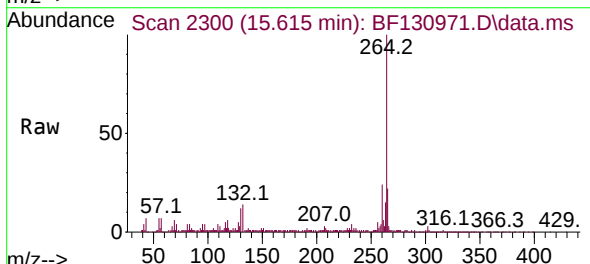
Manual Integrations
APPROVED

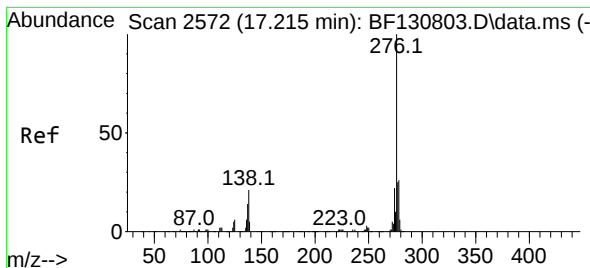
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.615 min Scan# 2300
Delta R.T. 0.006 min
Lab File: BF130971.D
Acq: 03 Nov 2022 21:28

Tgt Ion:264 Resp: 146428
Ion Ratio Lower Upper
264 100
260 23.5 19.9 29.9
265 21.6 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.109 ng

RT: 17.145 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF130971.D

Acq: 03 Nov 2022 21:28

Instrument :

BNA_F

ClientSampleId :

S-13-103122

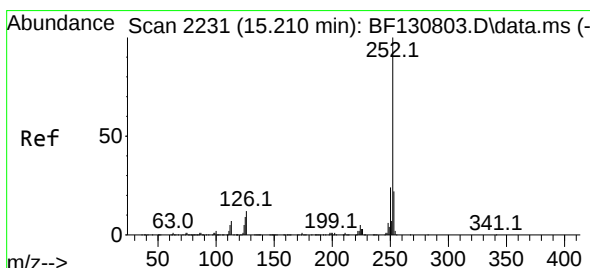
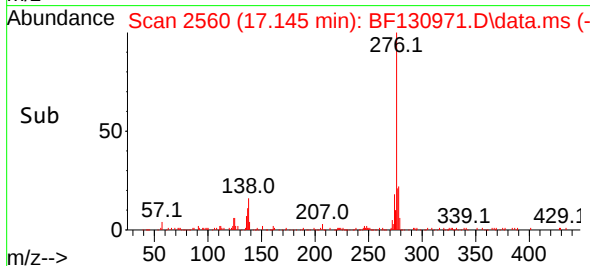
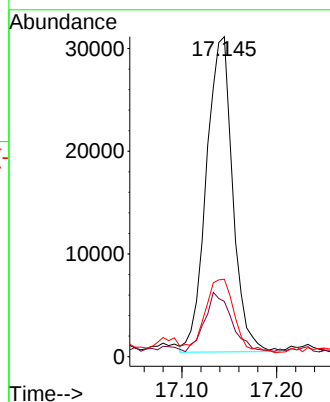
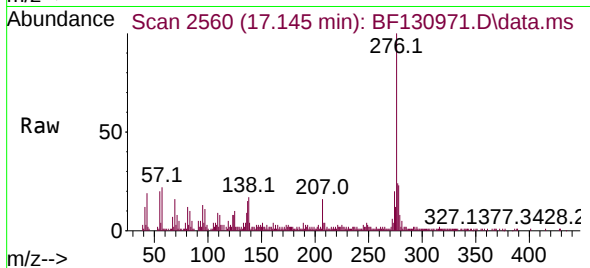
Tgt Ion:276 Resp: 59405
 Ion Ratio Lower Upper
 276 100
 138 19.8 19.1 28.7
 277 25.3 20.1 30.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/04/2022

Supervised By :Sohil Jodhani 11/04/2022



#88

Benzo(b)fluoranthene

Concen: 19.910 ng m

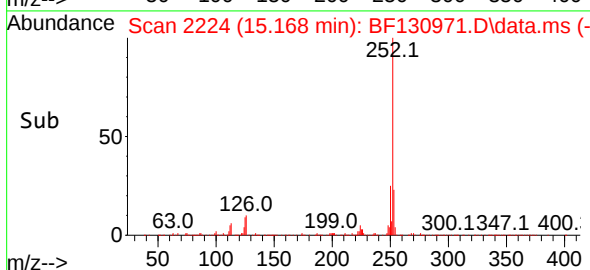
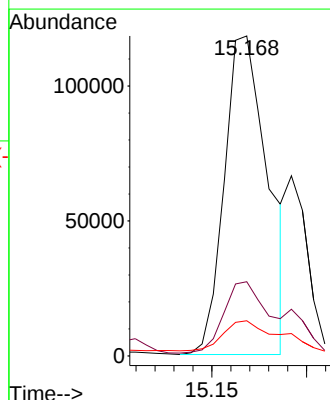
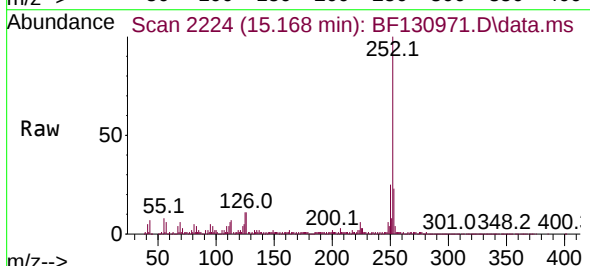
RT: 15.168 min Scan# 2224

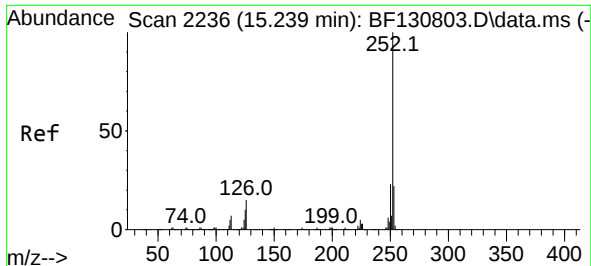
Delta R.T. 0.006 min

Lab File: BF130971.D

Acq: 03 Nov 2022 21:28

Tgt Ion:252 Resp: 188457
 Ion Ratio Lower Upper
 252 100
 253 23.2 17.5 26.3
 125 11.0 7.0 10.4#





#89

Benzo(k)fluoranthene

Concen: 5.491 ng m

RT: 15.192 min Scan# 2236

Delta R.T. -0.006 min

Lab File: BF130971.D

Acq: 03 Nov 2022 21:28

Instrument :

BNA_F

ClientSampleId :

S-13-103122

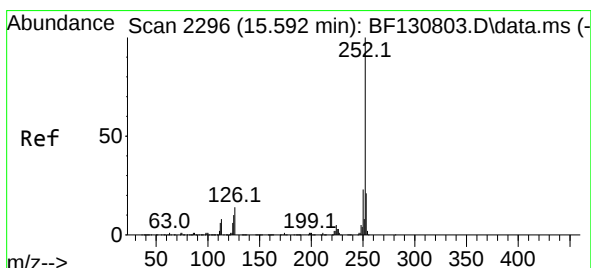
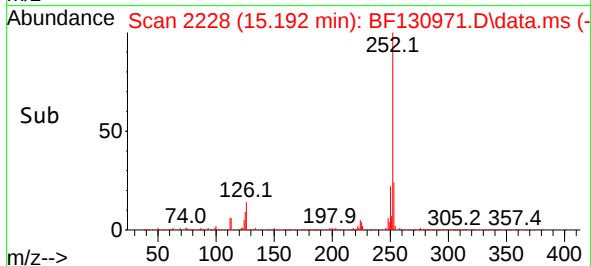
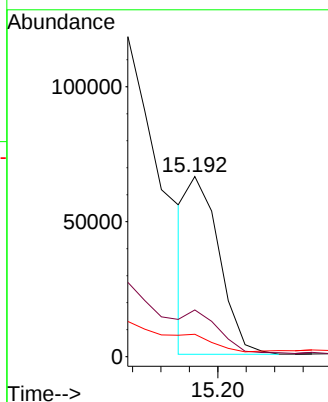
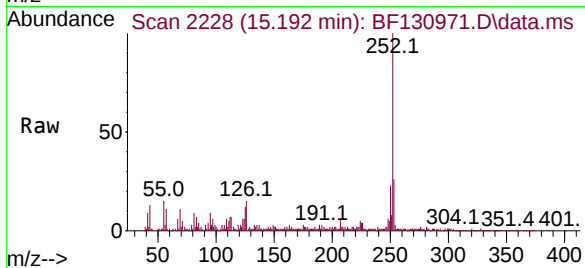
Tgt Ion:	252	Resp:	50647
Ion Ratio	Lower	Upper	
252	100		
253	25.9	17.5	26.3
125	12.4	8.0	12.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/04/2022

Supervised By :Sohil Jodhani 11/04/2022



#90

Benzo(a)pyrene

Concen: 15.619 ng

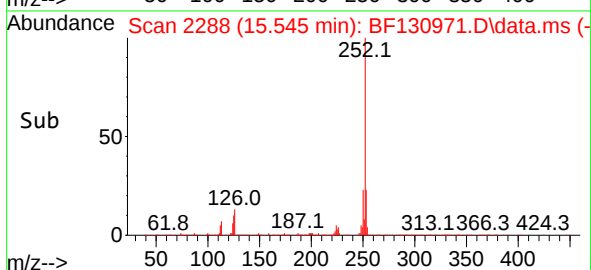
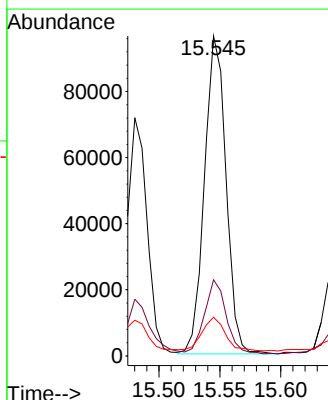
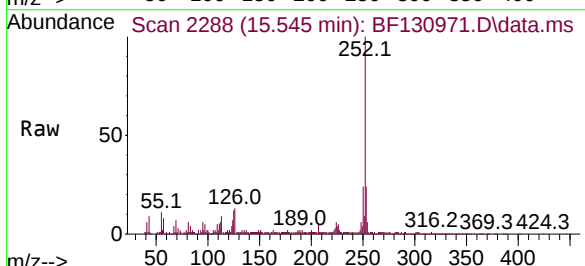
RT: 15.545 min Scan# 2288

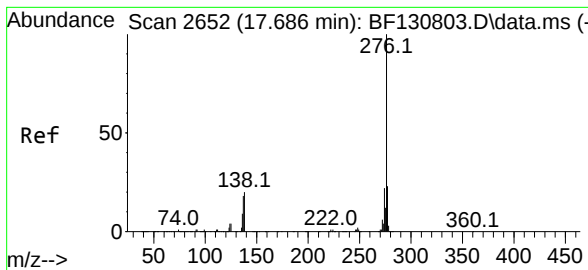
Delta R.T. -0.000 min

Lab File: BF130971.D

Acq: 03 Nov 2022 21:28

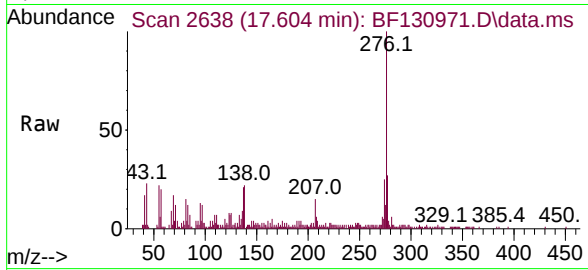
Tgt Ion:	252	Resp:	118847
Ion Ratio	Lower	Upper	
252	100		
253	23.8	16.8	25.2
125	12.1	8.3	12.5





#92
 Benzo(g,h,i)perylene
 Concen: 6.084 ng
 RT: 17.604 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF130971.D
 Acq: 03 Nov 2022 21:28

Instrument :
 BNA_F
 ClientSampleId :
 S-13-103122



Tgt Ion:	276	Resp:	4920
Ion Ratio	Lower	Upper	
276	100		
277	26.9	18.8	28.2
138	21.6	16.3	24.5

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 11/04/2022
 Supervised By :Sohil Jodhani 11/04/2022

