

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
 Data File : BF131159.D
 Acq On : 11 Nov 2022 18:11
 Operator : CG\JU
 Sample : N5506-13
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-10

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/12/2022
 Supervised By : Jagrut Upadhyay 11/12/2022

Quant Time: Nov 12 00:05:43 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 12 00:03:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	90602	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	389288	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	159531	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	295075	20.000	ng	0.00
76) Chrysene-d12	14.051	240	140594	20.000	ng	0.00
86) Perylene-d12	15.545	264	136143	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	482268	90.523	ng	0.00
7) Phenol-d6	6.504	99	667384	95.817	ng	0.00
23) Nitrobenzene-d5	7.439	82	418835	48.543	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	160921	97.604	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	662525	57.974	ng	0.00
79) Terphenyl-d14	12.992	244	473442	59.042	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.427	178	59538	3.669	ng	98
75) Fluoranthene	12.621	202	72852	4.485	ng	99
78) Pyrene	12.851	202	80228	6.651	ng	99
81) Benzo(a)anthracene	14.039	228	31938	3.178	ng	92
83) Chrysene	14.074	228	30904	3.256	ng	96
87) Indeno(1,2,3-cd)pyrene	17.045	276	15443	5.140	ng	92
88) Benzo(b)fluoranthene	15.104	252	35220m	3.659	ng	
90) Benzo(a)pyrene	15.474	252	27999	3.628	ng	# 94
91) Dibenzo(a,h)anthracene	17.051	278	4774	4.326	ng	# 72
92) Benzo(g,h,i)perylene	17.498	276	18819	6.153	ng	96

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

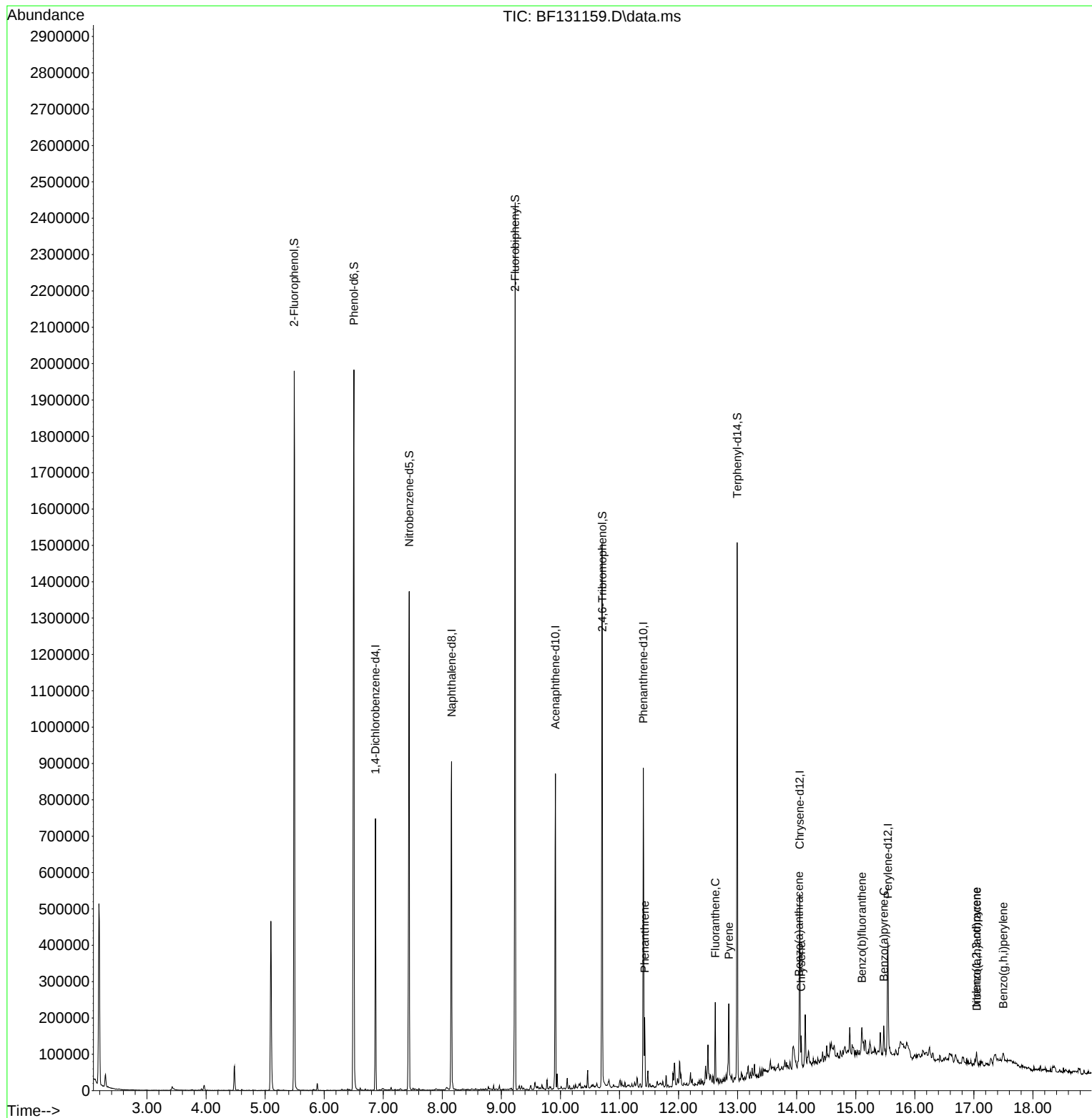
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111122\
Data File : BF131159.D
Acq On : 11 Nov 2022 18:11
Operator : CG\JU
Sample : N5506-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

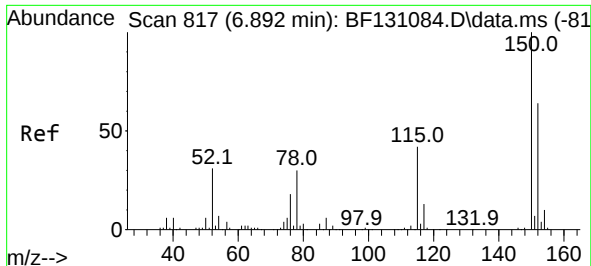
Instrument :
BNA_F
ClientSampleId :
TP-10

Quant Time: Nov 12 00:05:43 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Nov 12 00:03:31 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022





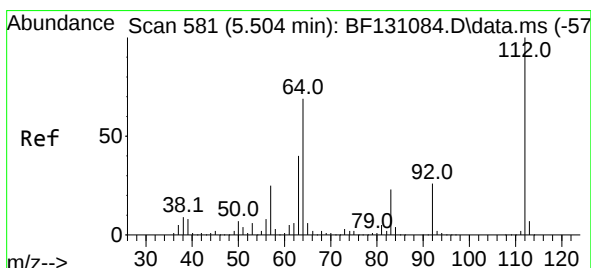
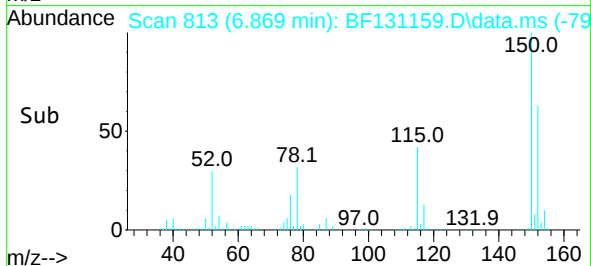
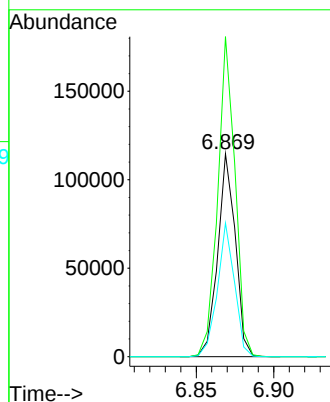
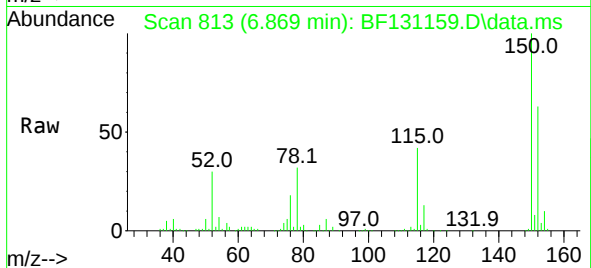
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 817
Delta R.T. -0.006 min
Lab File: BF131159.D
Acq: 11 Nov 2022 18:11

Instrument :
BNA_F
ClientSampleId :
TP-10

Tgt Ion:152 Resp: 90602
Ion Ratio Lower Upper
152 100
150 157.8 125.5 188.3
115 65.9 52.2 78.2

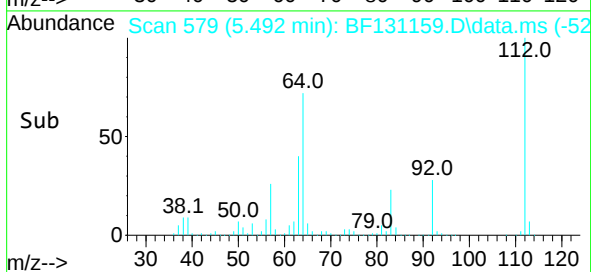
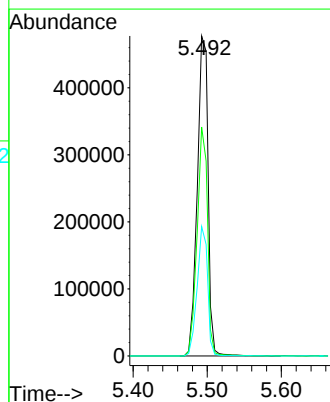
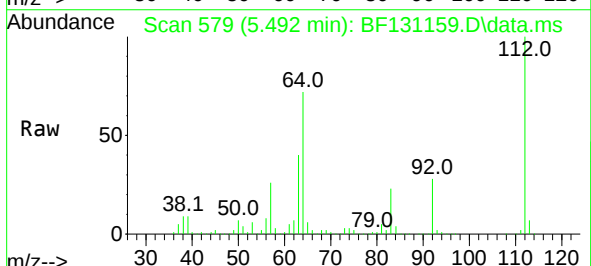
Manual Integrations
APPROVED

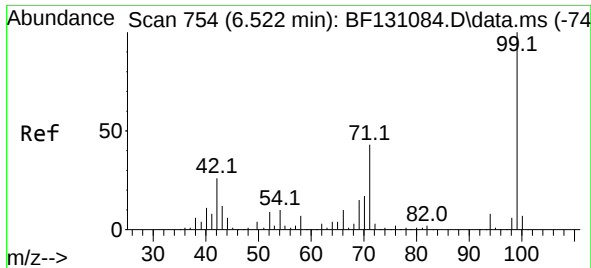
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#5
2-Fluorophenol
Concen: 90.523 ng
RT: 5.492 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF131159.D
Acq: 11 Nov 2022 18:11

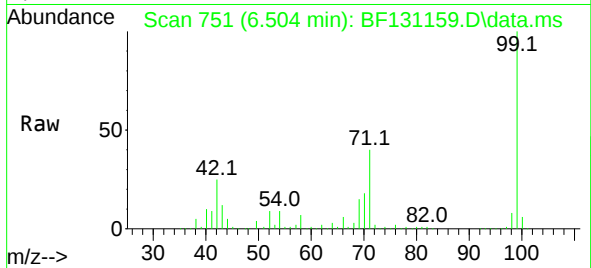
Tgt Ion:112 Resp: 482268
Ion Ratio Lower Upper
112 100
64 71.6 55.1 82.7
63 40.5 32.4 48.6





#7
Phenol-d6
Concen: 95.817 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF131159.D
Acq: 11 Nov 2022 18:11

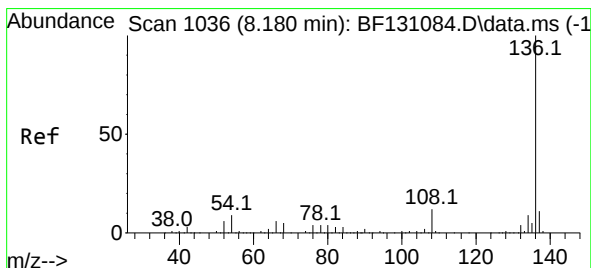
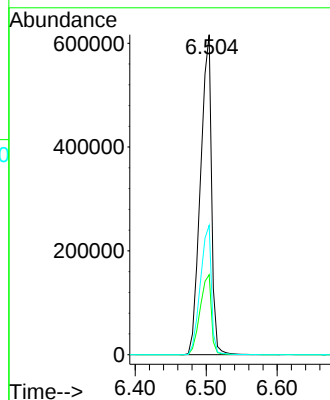
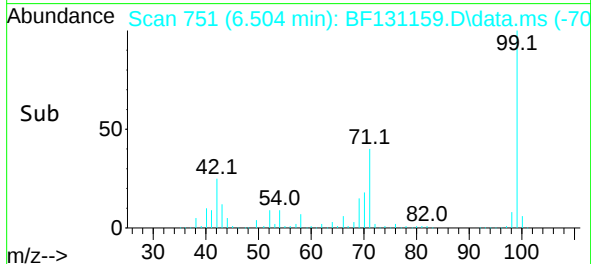
Instrument :
BNA_F
ClientSampleId :
TP-10



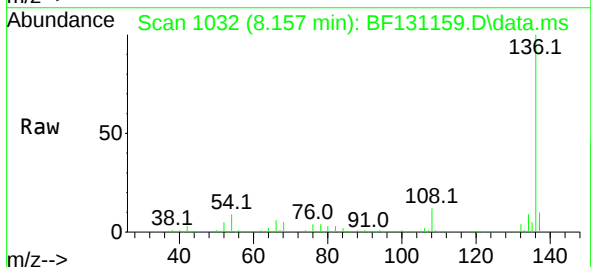
Tgt Ion: 99 Resp: 667384
Ion Ratio Lower Upper
99 100
42 25.0 20.8 31.2
71 40.4 34.2 51.4

Manual Integrations
APPROVED

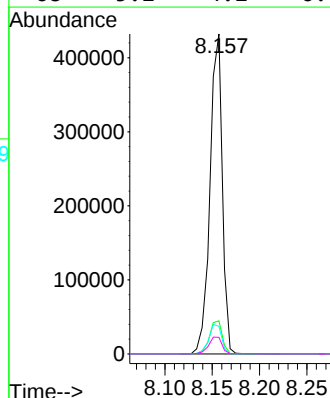
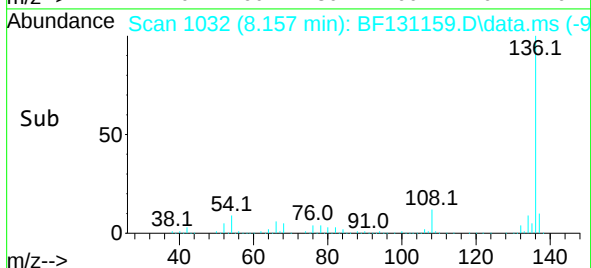
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

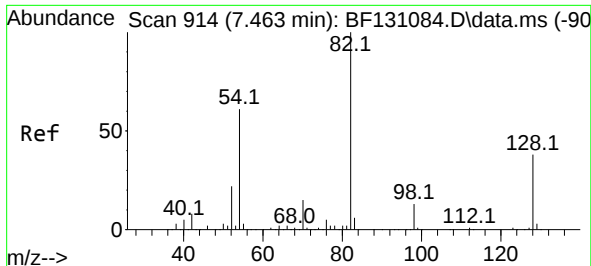


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF131159.D
Acq: 11 Nov 2022 18:11



Tgt Ion:136 Resp: 389288
Ion Ratio Lower Upper
136 100
137 10.3 8.6 12.8
54 8.6 7.2 10.8
68 5.2 4.2 6.4





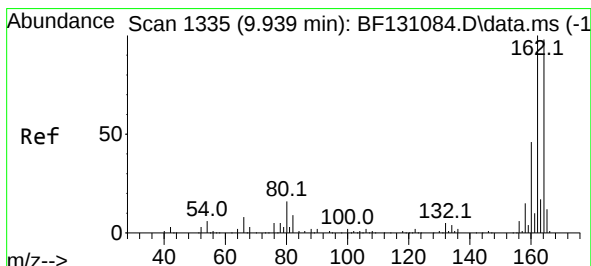
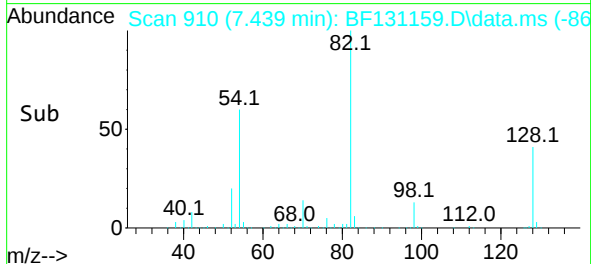
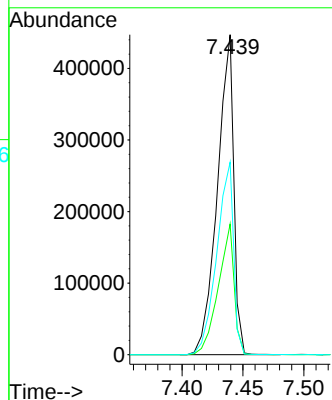
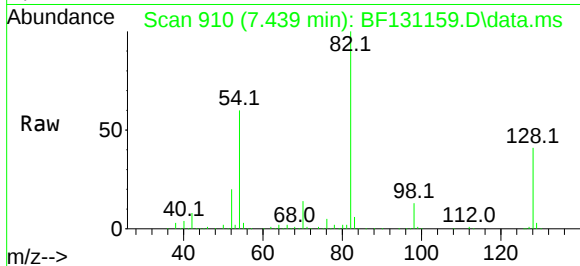
#23
Nitrobenzene-d5
Concen: 48.543 ng
RT: 7.439 min Scan# 914
Delta R.T. -0.006 min
Lab File: BF131159.D
Acq: 11 Nov 2022 18:11

Instrument :
BNA_F
ClientSampleId :
TP-10

Tgt Ion: 82 Resp: 41883
Ion Ratio Lower Upper
82 100
128 40.8 30.5 45.7
54 60.2 49.1 73.7

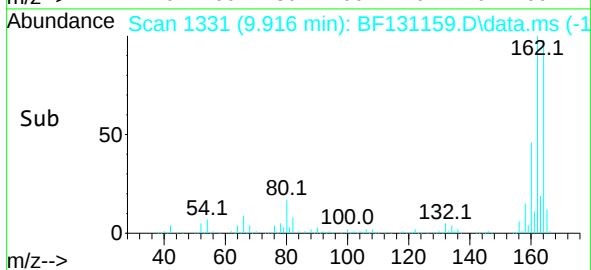
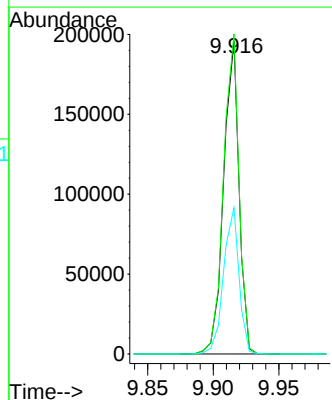
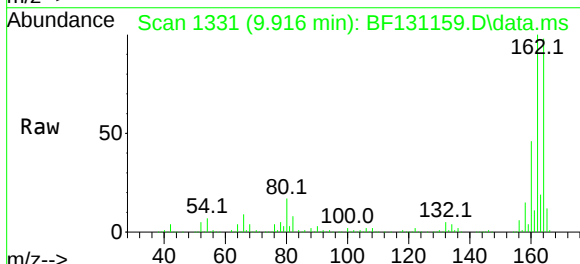
Manual Integrations
APPROVED

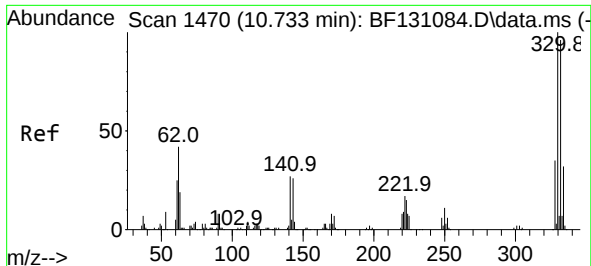
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF131159.D
Acq: 11 Nov 2022 18:11

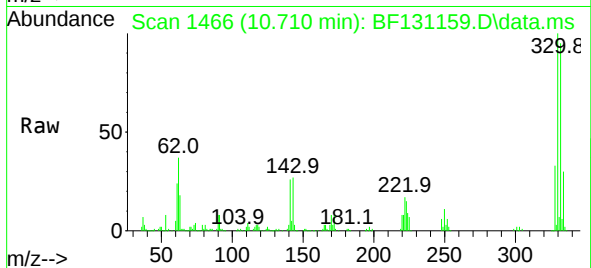
Tgt Ion:164 Resp: 159531
Ion Ratio Lower Upper
164 100
162 102.2 81.7 122.5
160 46.7 37.4 56.2





#42
2,4,6-Tribromophenol
Concen: 97.604 ng
RT: 10.710 min Scan# 1470
Delta R.T. -0.000 min
Lab File: BF131159.D
Acq: 11 Nov 2022 18:11

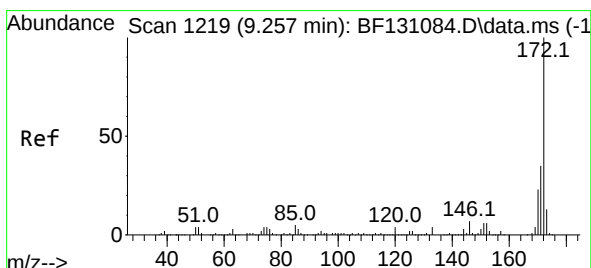
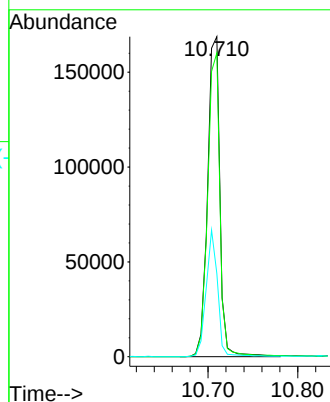
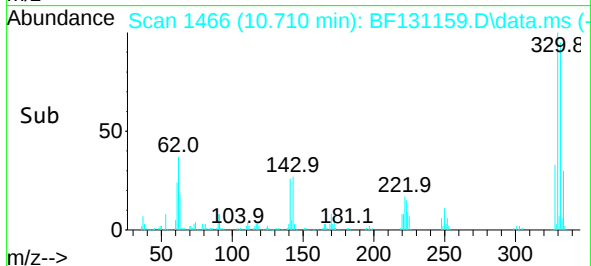
Instrument :
BNA_F
ClientSampleId :
TP-10



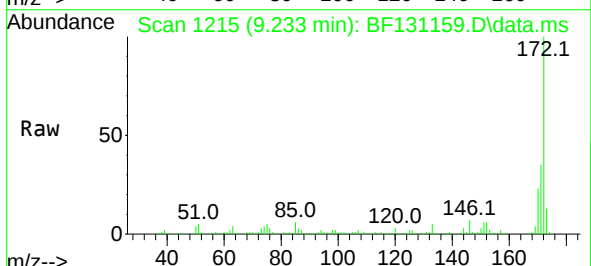
Tgt Ion: 330 Resp: 16092
Ion Ratio Lower Upper
330 100
332 94.8 77.0 115.4
141 37.0 28.5 42.7

Manual Integrations
APPROVED

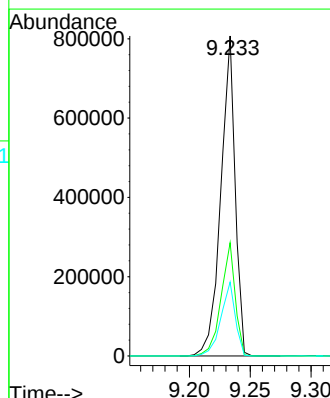
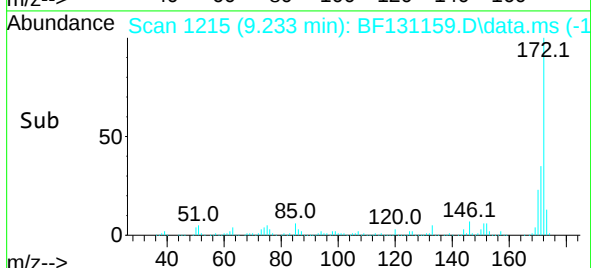
Reviewed By : Christian Giraldo 11/12/2022
Supervised By : Jagrut Upadhyay 11/12/2022

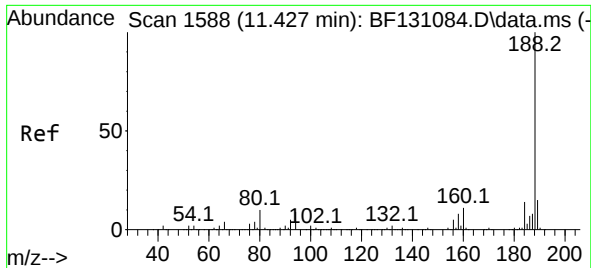


#45
2-Fluorobiphenyl
Concen: 57.974 ng
RT: 9.233 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF131159.D
Acq: 11 Nov 2022 18:11



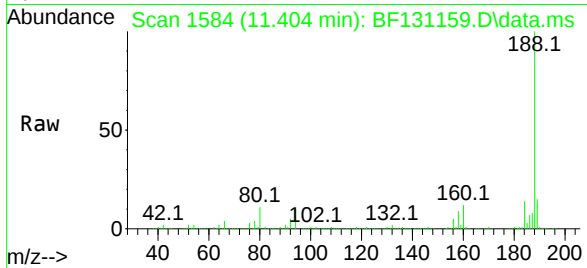
Tgt Ion: 172 Resp: 662525
Ion Ratio Lower Upper
172 100
171 35.4 27.7 41.5
170 23.1 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131159.D
Acq: 11 Nov 2022 18:11

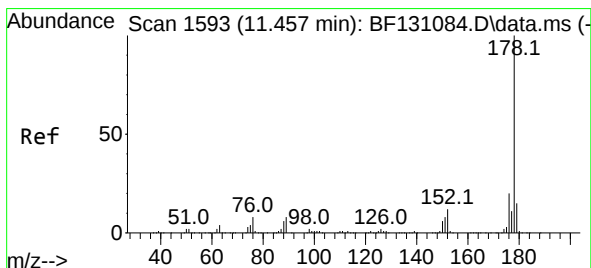
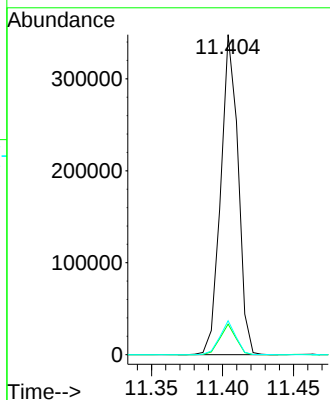
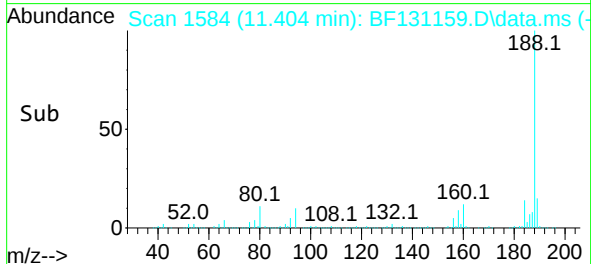
Instrument :
BNA_F
ClientSampleId :
TP-10



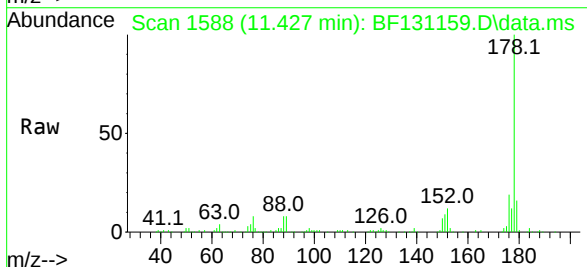
Tgt Ion:188 Resp: 29507
Ion Ratio Lower Upper
188 100
94 9.6 7.0 10.6
80 10.6 7.9 11.9

Manual Integrations
APPROVED

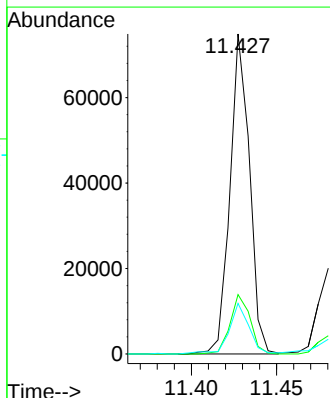
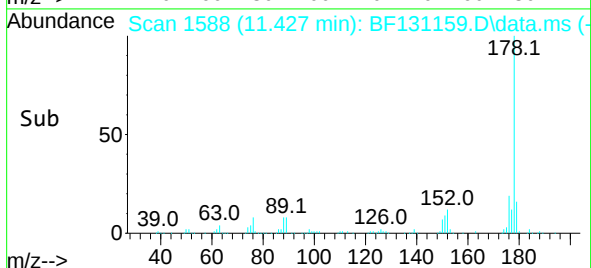
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022

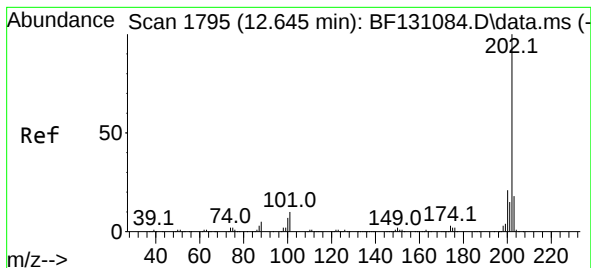


#71
Phenanthrene
Concen: 3.669 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF131159.D
Acq: 11 Nov 2022 18:11



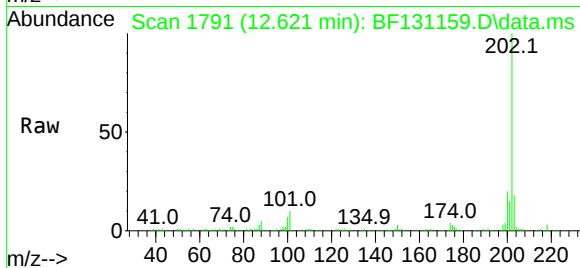
Tgt Ion:178 Resp: 59538
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.8
179 15.8 12.2 18.2





#75
Fluoranthene
Concen: 4.485 ng
RT: 12.621 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131159.D
Acq: 11 Nov 2022 18:11

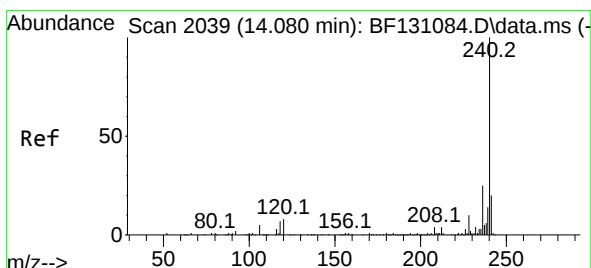
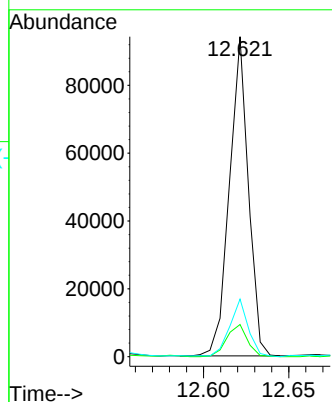
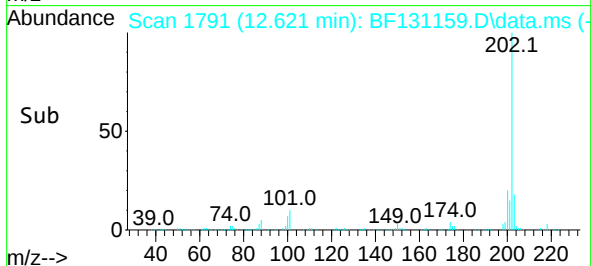
Instrument :
BNA_F
ClientSampleId :
TP-10



Tgt Ion:202 Resp: 7285
Ion Ratio Lower Upper
202 100
101 10.1 0.0 30.0
203 18.0 0.0 37.7

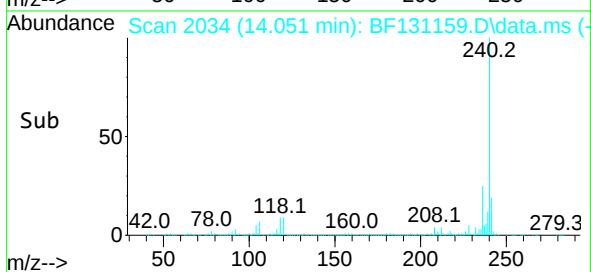
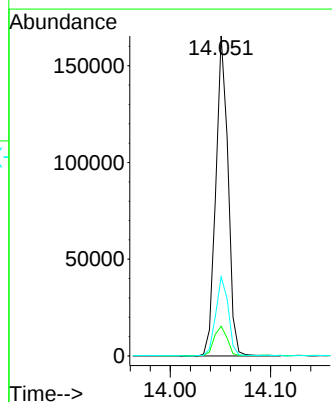
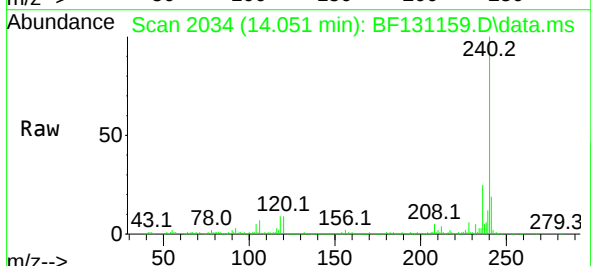
Manual Integrations
APPROVED

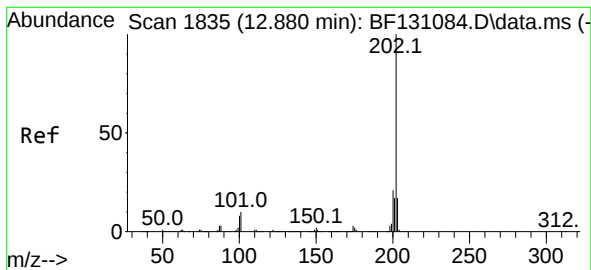
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF131159.D
Acq: 11 Nov 2022 18:11

Tgt Ion:240 Resp: 140594
Ion Ratio Lower Upper
240 100
120 9.3 6.5 9.7
236 24.7 19.7 29.5





#78

Pyrene

Concen: 6.651 ng

RT: 12.851 min Scan# 1830

Delta R.T. -0.006 min

Lab File: BF131159.D

Acq: 11 Nov 2022 18:11

Instrument :

BNA_F

ClientSampleId :

TP-10

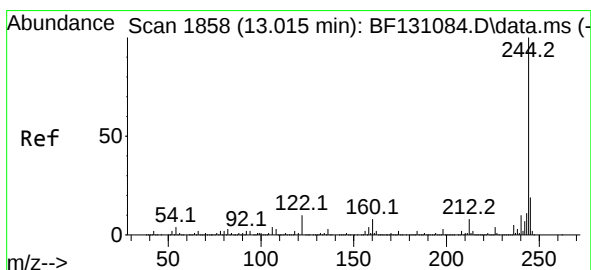
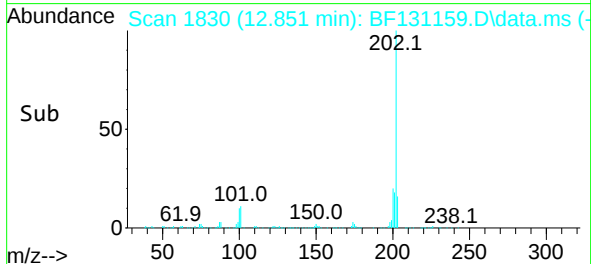
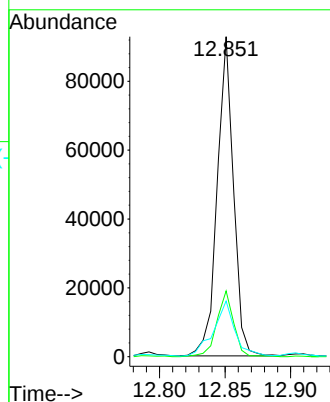
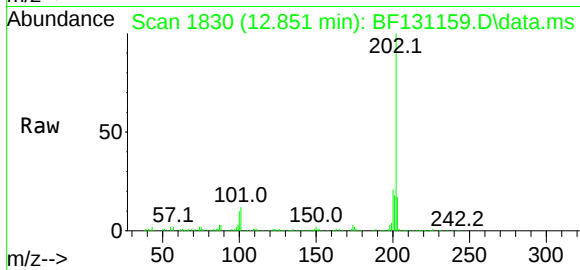
Tgt Ion:	202	Resp:	80228
Ion Ratio	Lower	Upper	
202	100		
200	20.6	16.8	25.2
203	17.4	13.6	20.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/12/2022

Supervised By :Jagrut Upadhyay 11/12/2022



#79

Terphenyl-d14

Concen: 59.042 ng

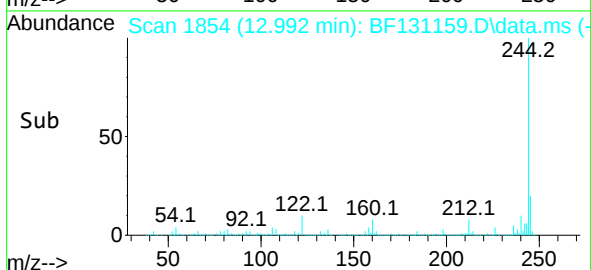
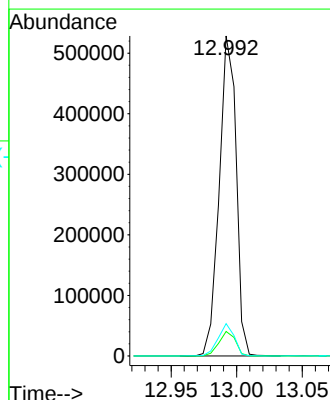
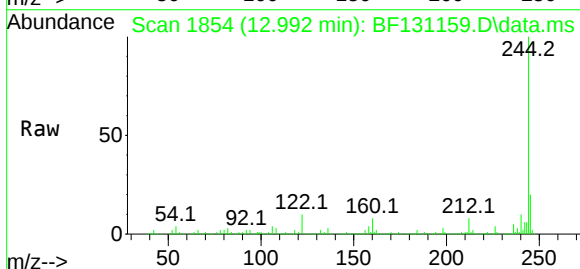
RT: 12.992 min Scan# 1854

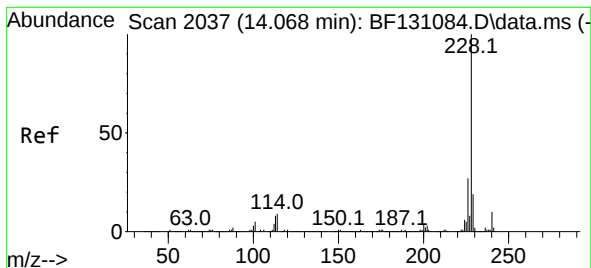
Delta R.T. -0.006 min

Lab File: BF131159.D

Acq: 11 Nov 2022 18:11

Tgt Ion:	244	Resp:	473442
Ion Ratio	Lower	Upper	
244	100		
212	7.7	6.2	9.2
122	10.1	7.8	11.8





#81

Benzo(a)anthracene

Concen: 3.178 ng

RT: 14.039 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF131159.D

Acq: 11 Nov 2022 18:11

Instrument :

BNA_F

ClientSampleId :

TP-10

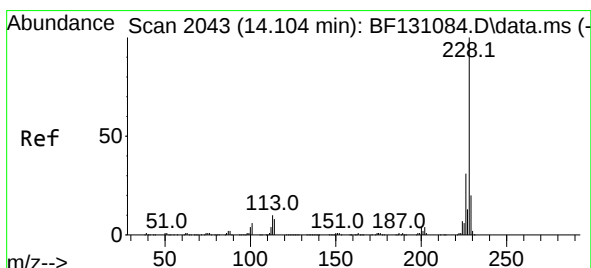
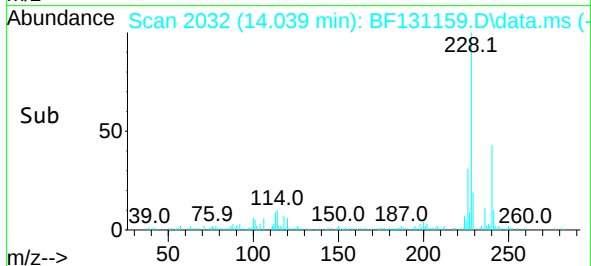
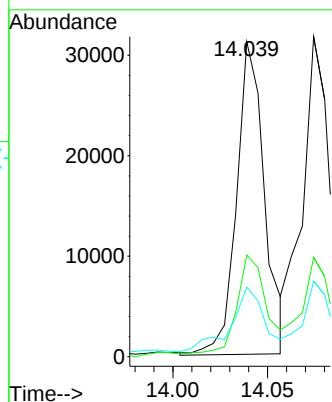
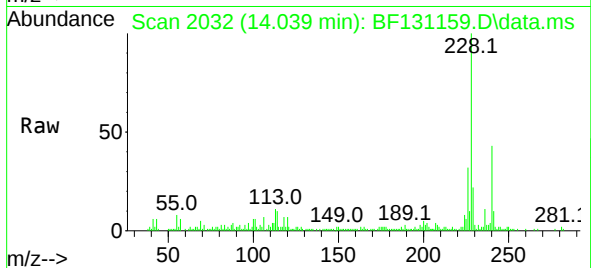
Tgt Ion:228 Resp: 31938
 Ion Ratio Lower Upper
 228 100
 226 32.2 21.8 32.6
 229 22.0 15.4 23.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/12/2022

Supervised By :Jagrut Upadhyay 11/12/2022



#83

Chrysene

Concen: 3.256 ng

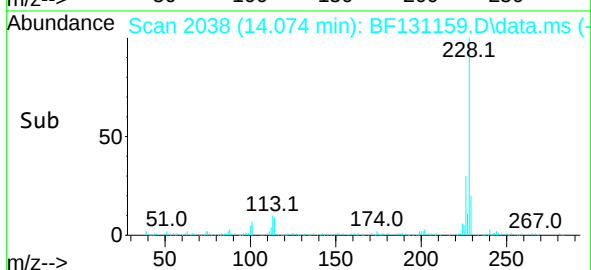
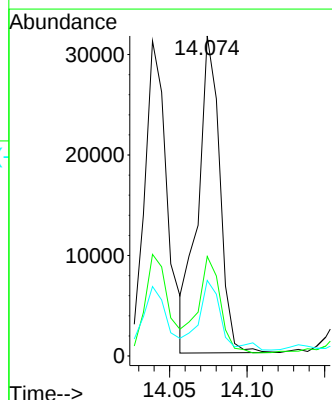
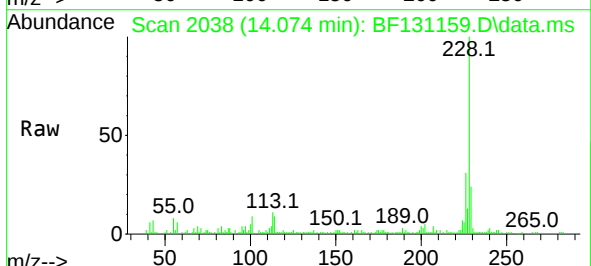
RT: 14.074 min Scan# 2038

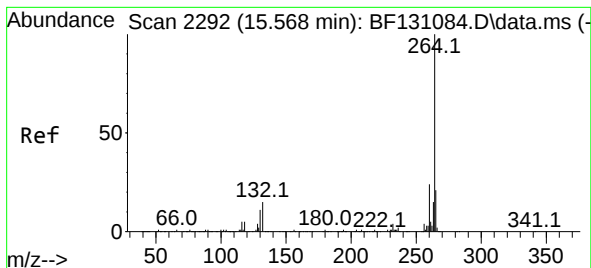
Delta R.T. -0.012 min

Lab File: BF131159.D

Acq: 11 Nov 2022 18:11

Tgt Ion:228 Resp: 30904
 Ion Ratio Lower Upper
 228 100
 226 31.1 24.4 36.6
 229 23.6 15.8 23.6





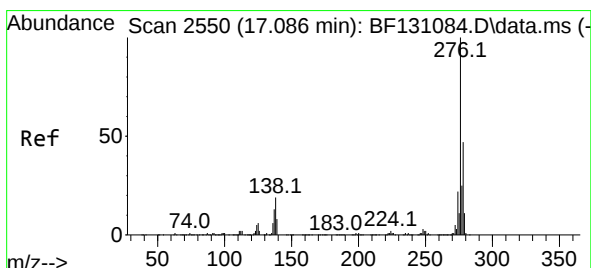
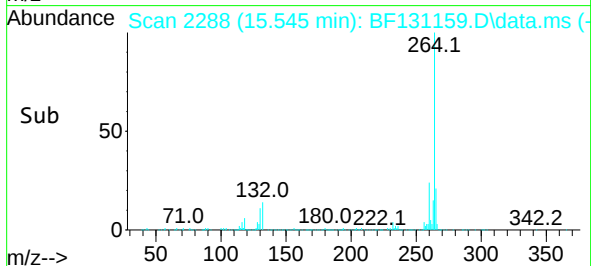
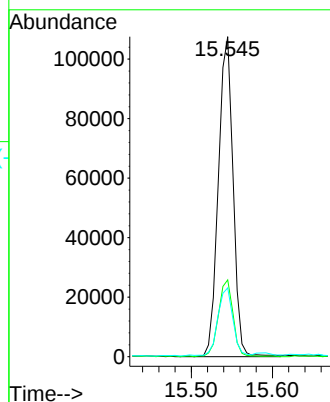
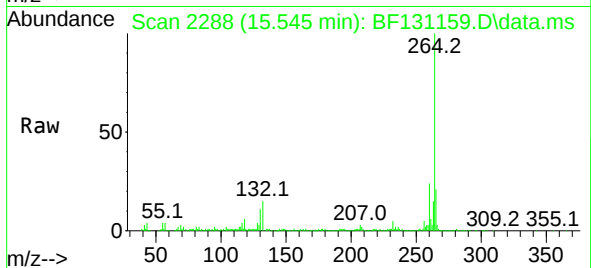
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF131159.D
Acq: 11 Nov 2022 18:11

Instrument :
BNA_F
ClientSampleId :
TP-10

Tgt Ion:264 Resp: 13614
Ion Ratio Lower Upper
264 100
260 24.0 19.1 28.7
265 21.5 16.7 25.1

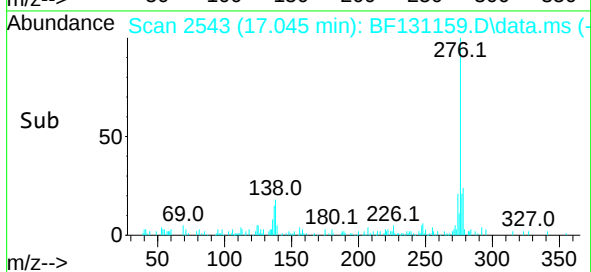
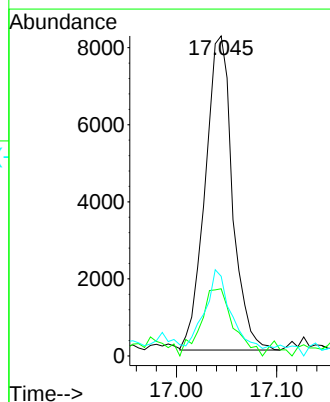
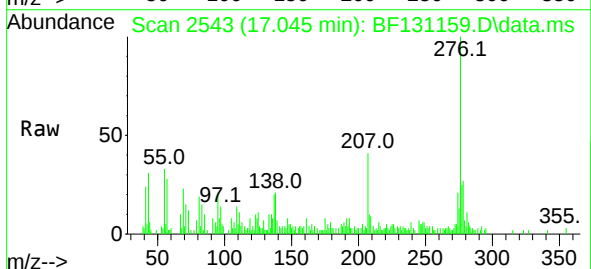
Manual Integrations
APPROVED

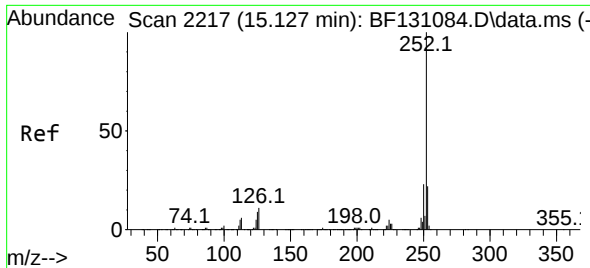
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.140 ng
RT: 17.045 min Scan# 2543
Delta R.T. -0.012 min
Lab File: BF131159.D
Acq: 11 Nov 2022 18:11

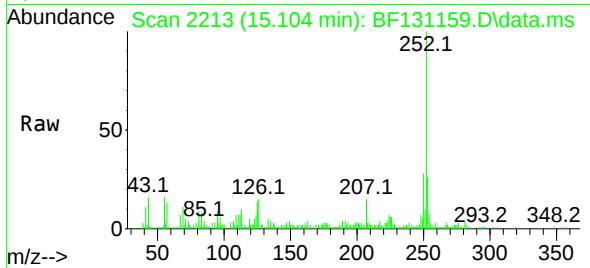
Tgt Ion:276 Resp: 15443
Ion Ratio Lower Upper
276 100
138 25.3 16.9 25.3
277 22.2 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 3.659 ng m
RT: 15.104 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF131159.D
Acq: 11 Nov 2022 18:11

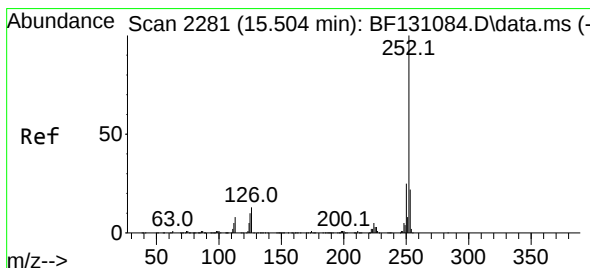
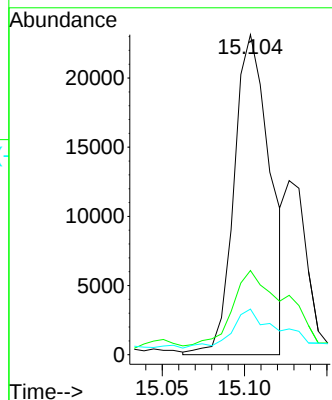
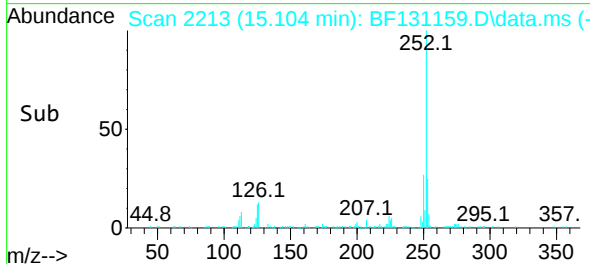
Instrument :
BNA_F
ClientSampleId :
TP-10



Tgt Ion:252 Resp: 35220
Ion Ratio Lower Upper
252 100
253 26.3 17.3 25.9
125 14.3 7.2 10.8

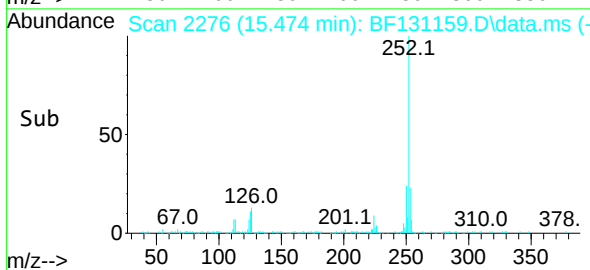
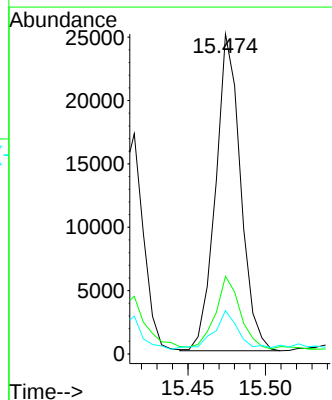
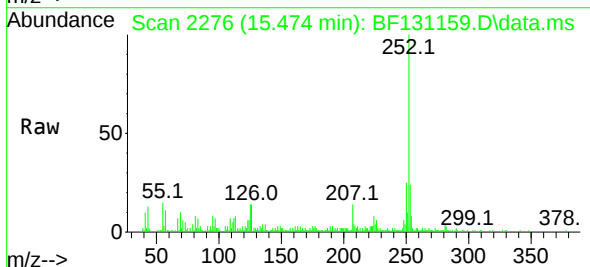
Manual Integrations
APPROVED

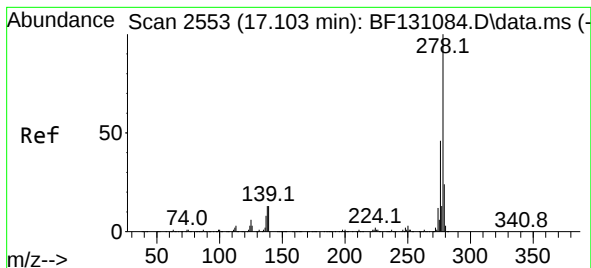
Reviewed By :Christian Giraldo 11/12/2022
Supervised By :Jagrut Upadhyay 11/12/2022



#90
Benzo(a)pyrene
Concen: 3.628 ng
RT: 15.474 min Scan# 2276
Delta R.T. -0.006 min
Lab File: BF131159.D
Acq: 11 Nov 2022 18:11

Tgt Ion:252 Resp: 27999
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.8
125 13.6 8.1 12.1





#91

Dibenzo(a,h)anthracene

Concen: 4.326 ng

RT: 17.051 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF131159.D

Acq: 11 Nov 2022 18:11

Instrument :

BNA_F

ClientSampleId :

TP-10

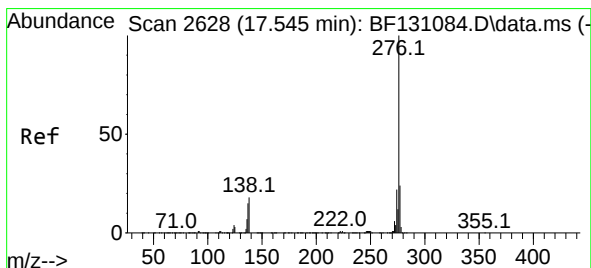
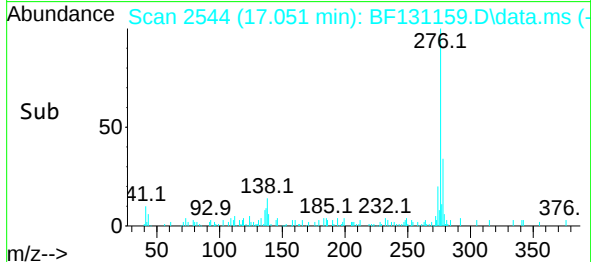
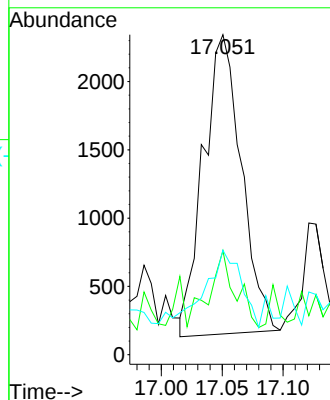
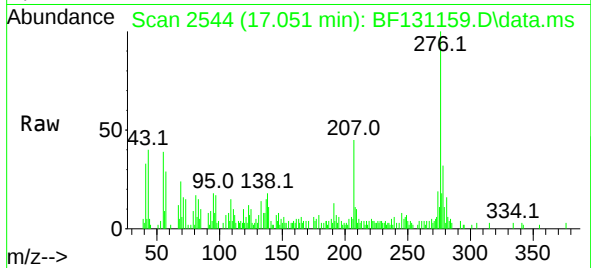
Tgt Ion:	278	Resp:	4774
Ion Ratio	Lower	Upper	
278	100		
139	32.5	10.8	16.2
279	32.7	19.2	28.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/12/2022

Supervised By :Jagrut Upadhyay 11/12/2022



#92

Benzo(g,h,i)perylene

Concen: 6.153 ng

RT: 17.498 min Scan# 2620

Delta R.T. -0.018 min

Lab File: BF131159.D

Acq: 11 Nov 2022 18:11

Tgt Ion:	276	Resp:	18819
Ion Ratio	Lower	Upper	
276	100		
277	22.0	19.0	28.4
138	20.0	14.6	21.8

