

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111022\
 Data File : BF131136.D
 Acq On : 10 Nov 2022 22:12
 Operator : CG\JU
 Sample : N5524-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11995

Manual Integrations
 APPROVED

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

Quant Time: Nov 11 00:51:56 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 10 04:15:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	67783	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	255751	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	120427	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	168947	20.000	ng	0.00
76) Chrysene-d12	14.074	240	153200	20.000	ng	0.00
86) Perylene-d12	15.568	264	133285	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	476348	119.511	ng	0.00
7) Phenol-d6	6.516	99	589931	113.211	ng	0.00
23) Nitrobenzene-d5	7.451	82	397793	70.178	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	112014	90.001	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	642905	74.525	ng	0.00
79) Terphenyl-d14	13.010	244	522642	59.815	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.445	178	27393	2.948	ng	98
75) Fluoranthene	12.639	202	92134	9.906	ng	98
78) Pyrene	12.868	202	90711	6.901	ng	98
81) Benzo(a)anthracene	14.063	228	57707	5.270	ng	95
83) Chrysene	14.098	228	69678m	6.738	ng	
87) Indeno(1,2,3-cd)pyrene	17.074	276	27538	6.187	ng	98
88) Benzo(b)fluoranthene	15.127	252	110377m	11.713	ng	
89) Benzo(k)fluoranthene	15.157	252	25762m	2.844	ng	
90) Benzo(a)pyrene	15.504	252	57010	7.546	ng	98
91) Dibenzo(a,h)anthracene	17.098	278	7105	4.579	ng	# 95
92) Benzo(g,h,i)perylene	17.539	276	24477	6.740	ng	98

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

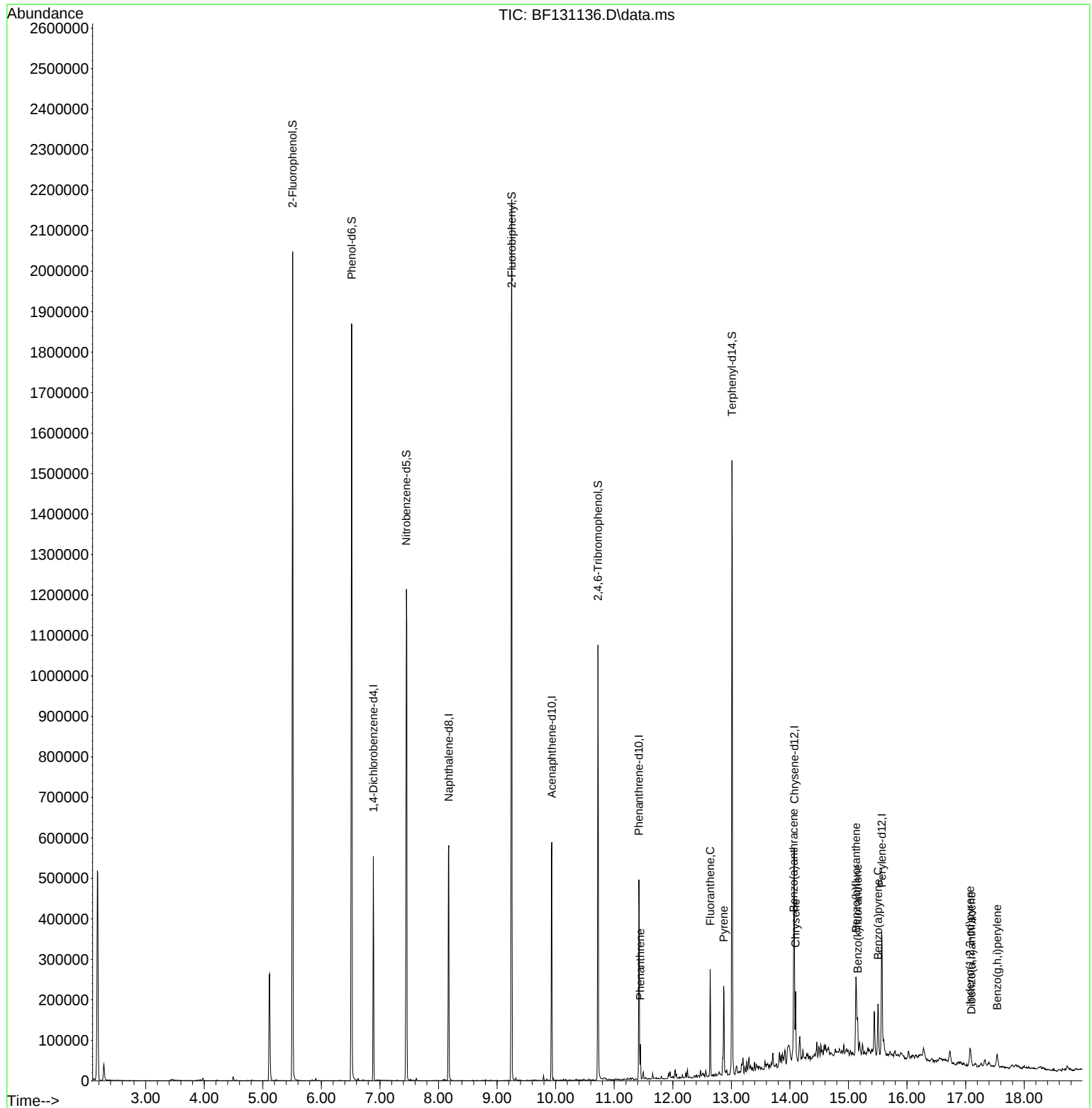
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111022\
Data File : BF131136.D
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ALS Vial : 13 Sample Multiplier: 1

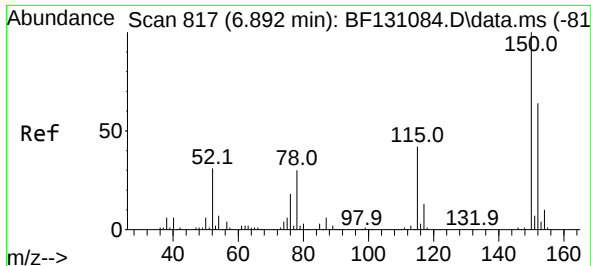
Instrument :
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Quant Time: Nov 11 00:51:56 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110922.M
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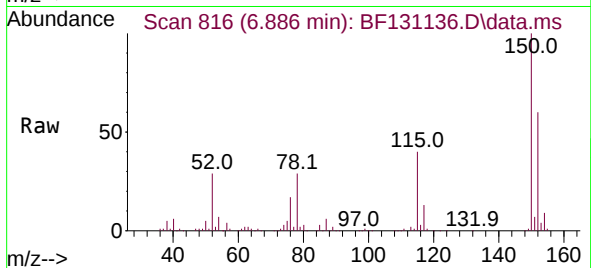
Reviewed By : Christian Giraldo 11/11/2022
Supervised By : Jagrut Upadhyay 11/11/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 817
Delta R.T. -0.006 min
Lab File: BF131136.D
Acq: 10 Nov 2022 22:12

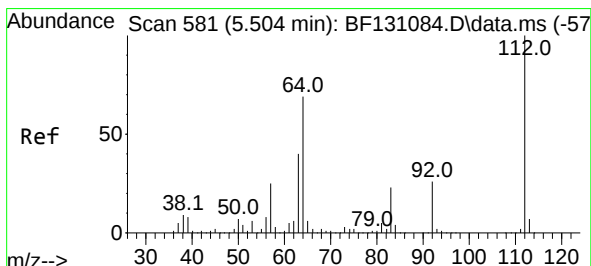
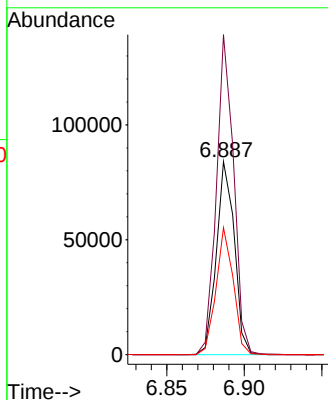
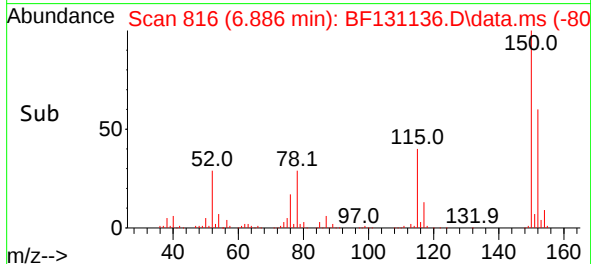
Instrument :
BNA_F
ClientSampleId :
72-11995



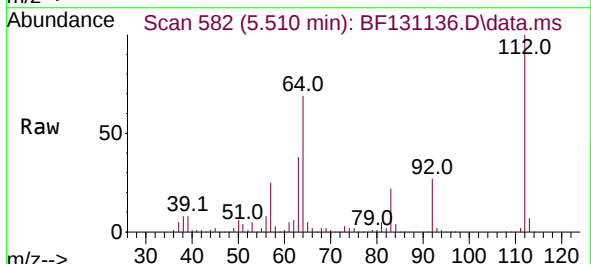
Tgt Ion:152 Resp: 67783
Ion Ratio Lower Upper
152 100
150 165.8 125.5 188.3
115 65.8 52.2 78.2

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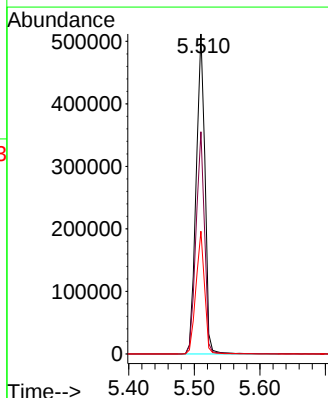
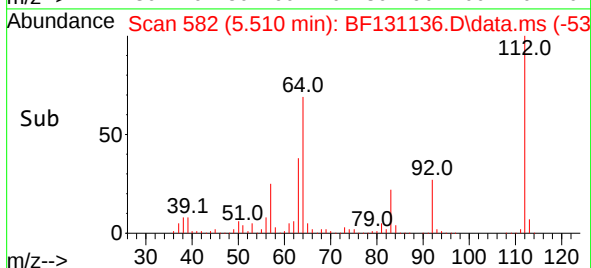
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022

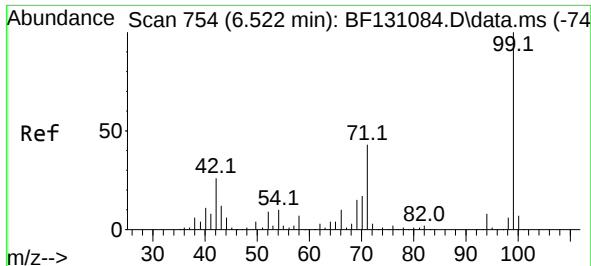


#5
2-Fluorophenol
Concen: 119.511 ng
RT: 5.510 min Scan# 582
Delta R.T. 0.006 min
Lab File: BF131136.D
Acq: 10 Nov 2022 22:12



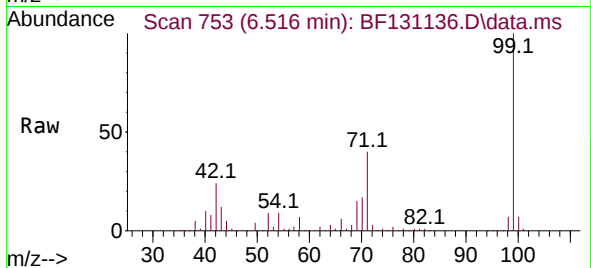
Tgt Ion:112 Resp: 476348
Ion Ratio Lower Upper
112 100
64 69.5 55.1 82.7
63 38.4 32.4 48.6





#7
Phenol-d6
Concen: 113.211 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131136.D
Acq: 10 Nov 2022 22:12

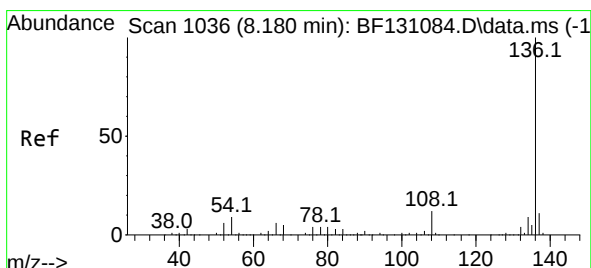
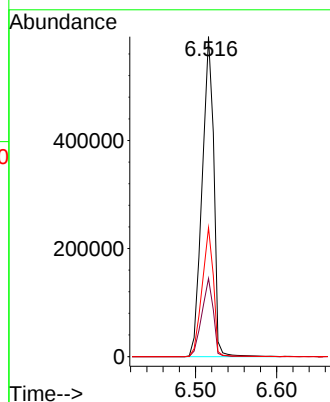
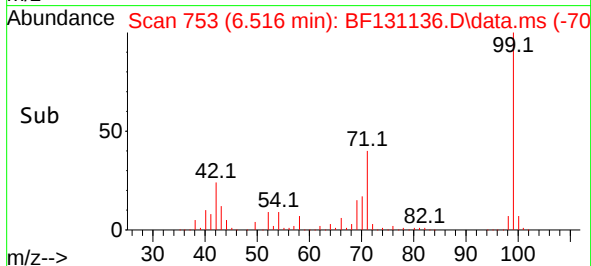
Instrument :
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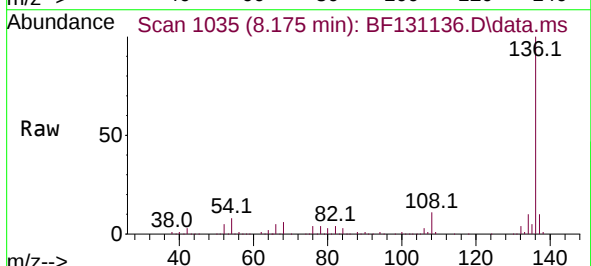
Tgt Ion: 99 Resp: 589931
Ion Ratio Lower Upper
99 100
42 24.4 20.8 31.2
71 40.3 34.2 51.4

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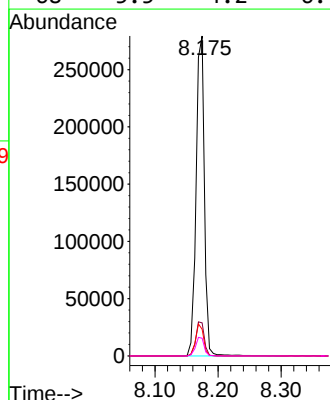
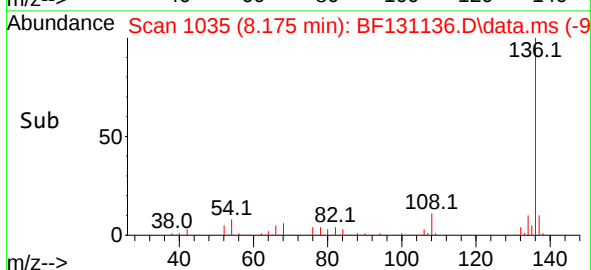
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022

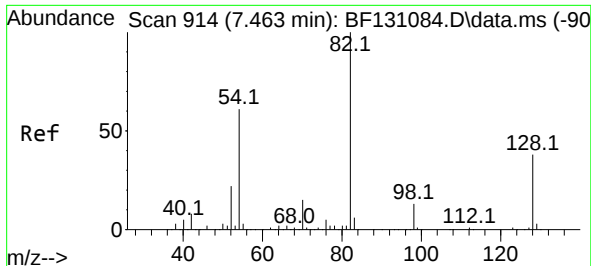


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.005 min
Lab File: BF131136.D
Acq: 10 Nov 2022 22:12



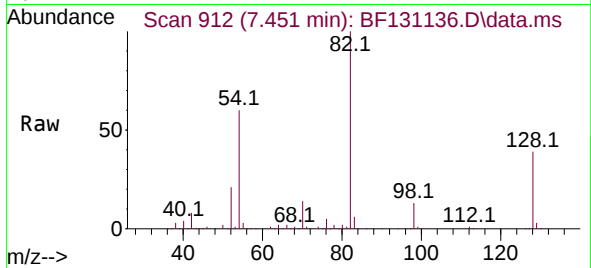
Tgt Ion:136 Resp: 255751
Ion Ratio Lower Upper
136 100
137 10.3 8.6 12.8
54 8.3 7.2 10.8
68 5.5 4.2 6.4





#23
Nitrobenzene-d5
Concen: 70.178 ng
RT: 7.451 min Scan# 914
Delta R.T. -0.012 min
Lab File: BF131136.D
Acq: 10 Nov 2022 22:12

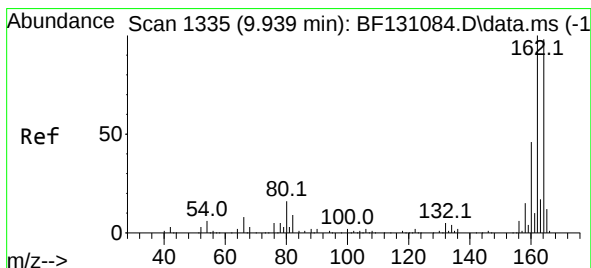
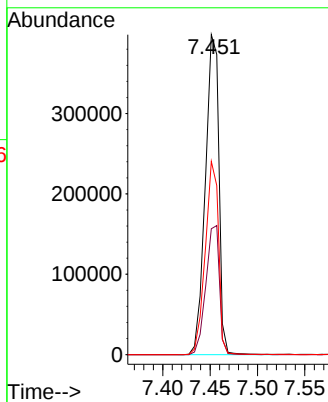
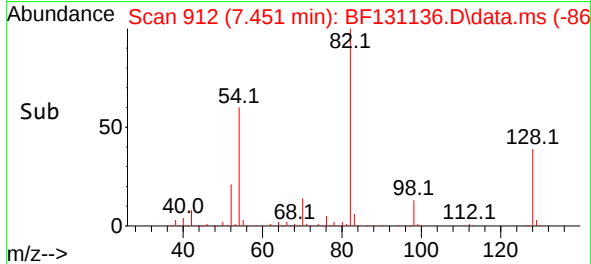
Instrument :
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Tgt Ion: 82 Resp: 397793
Ion Ratio Lower Upper
82 100
128 39.3 30.5 45.7
54 60.4 49.1 73.7

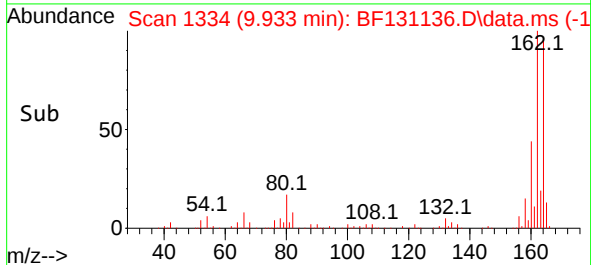
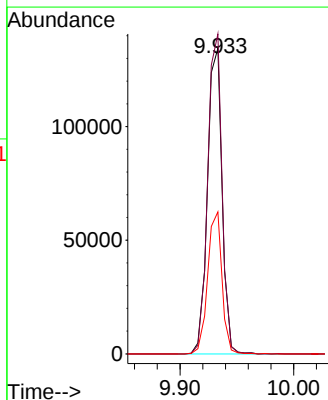
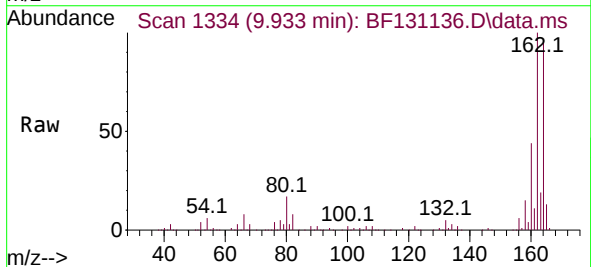
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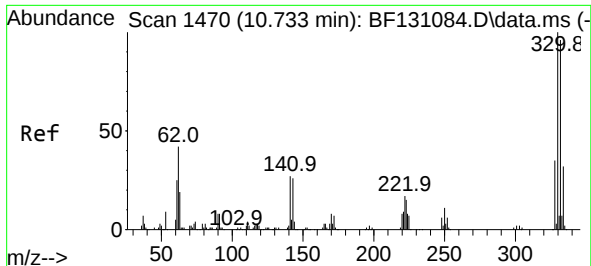
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF131136.D
Acq: 10 Nov 2022 22:12

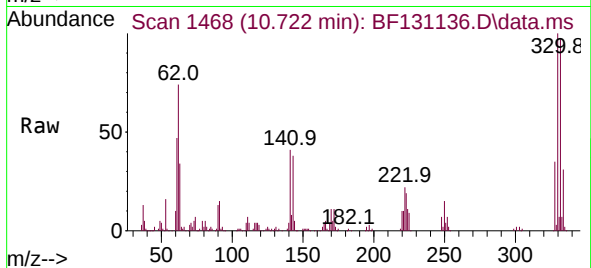
Tgt Ion:164 Resp: 120427
Ion Ratio Lower Upper
164 100
162 104.7 81.7 122.5
160 46.4 37.4 56.2





#42
2,4,6-Tribromophenol
Concen: 90.001 ng
RT: 10.722 min Scan# 1470
Delta R.T. -0.012 min
Lab File: BF131136.D
Acq: 10 Nov 2022 22:12

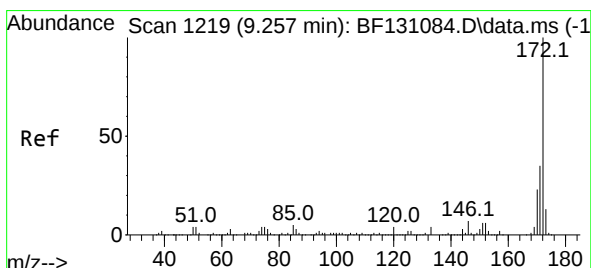
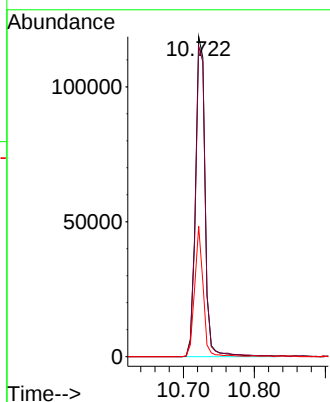
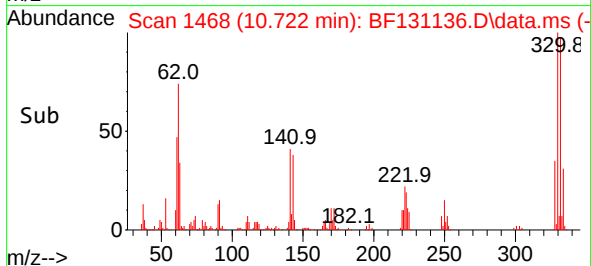
Instrument :
BNA_F
ClientSampleId :
72-11995



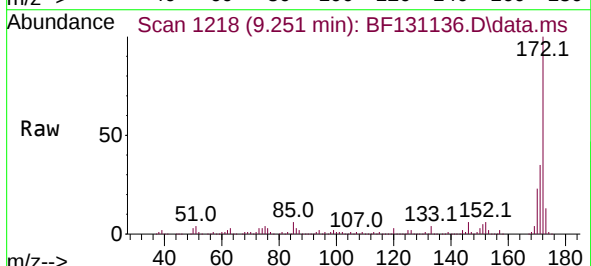
Tgt Ion:330 Resp: 112014
Ion Ratio Lower Upper
330 100
332 97.5 77.0 115.4
141 36.1 28.5 42.7

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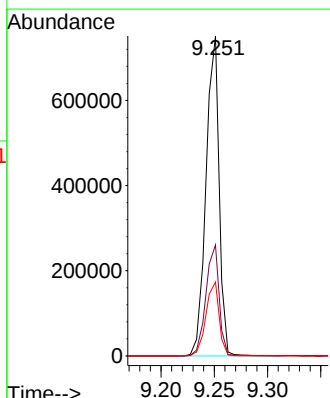
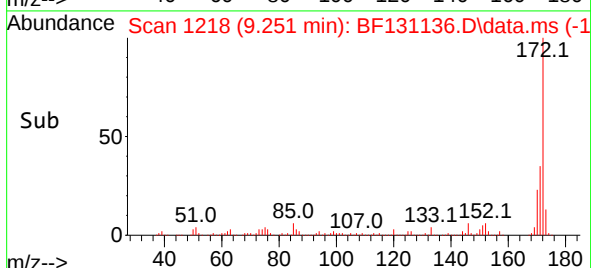
Reviewed By :Christian Giraldo 11/11/2022
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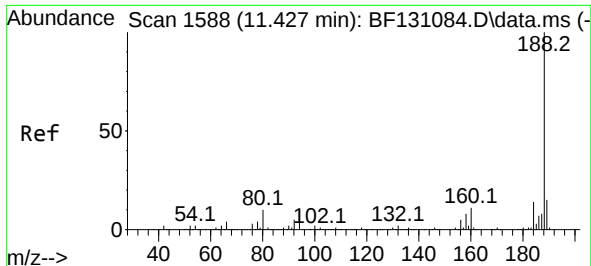


#45
2-Fluorobiphenyl
Concen: 74.525 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF131136.D
Acq: 10 Nov 2022 22:12



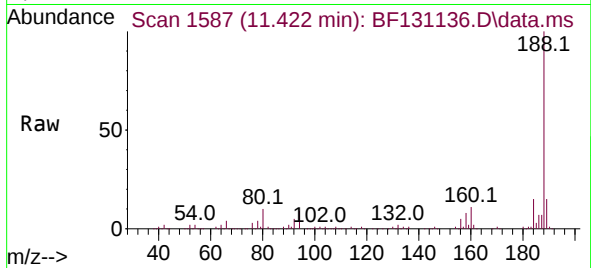
Tgt Ion:172 Resp: 642905
Ion Ratio Lower Upper
172 100
171 34.7 27.7 41.5
170 23.1 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 11
Delta R.T. -0.005 min
Lab File: BF131136.D
Acq: 10 Nov 2022 22:12

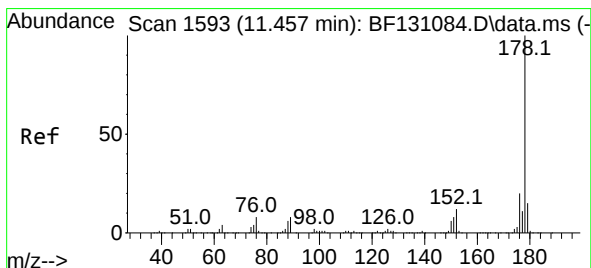
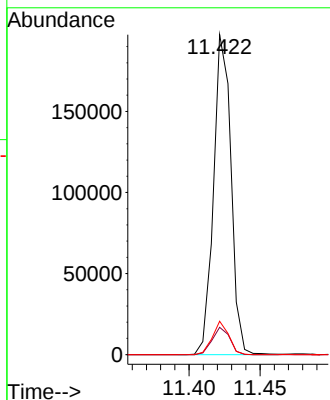
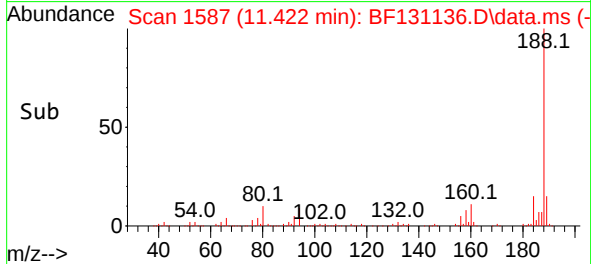
Instrument :
BNA_F
ClientSampleId :
72-11995



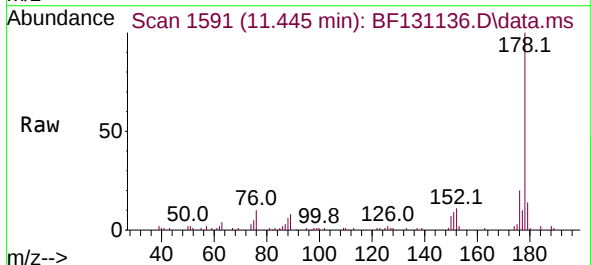
Tgt Ion:188 Resp: 16894
Ion Ratio Lower Upper
188 100
94 8.5 7.0 10.6
80 10.4 7.9 11.9

Manual Integrations
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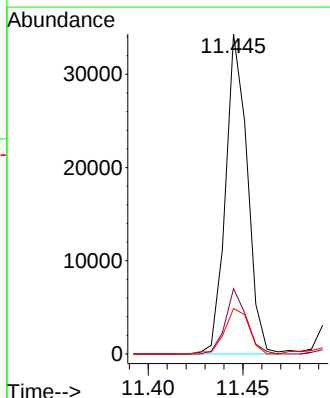
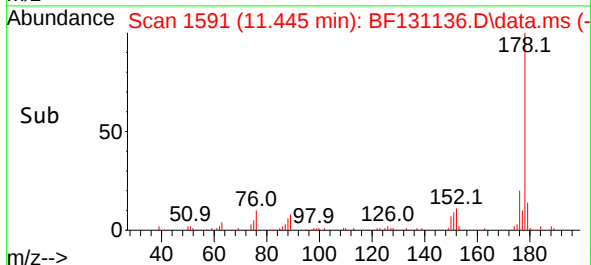
Reviewed By :Christian Giraldo 11/11/2022
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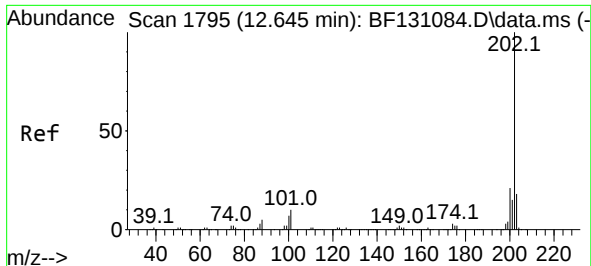


#71
Phenanthrene
Concen: 2.948 ng
RT: 11.445 min Scan# 1591
Delta R.T. -0.012 min
Lab File: BF131136.D
Acq: 10 Nov 2022 22:12



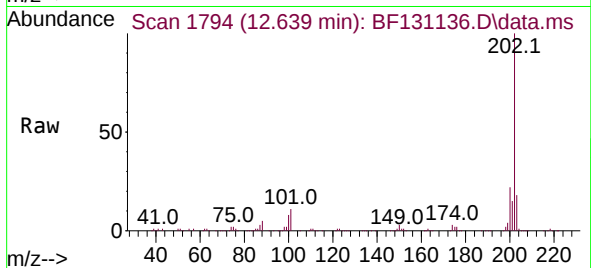
Tgt Ion:178 Resp: 27393
Ion Ratio Lower Upper
178 100
176 20.4 15.8 23.8
179 14.2 12.2 18.2





#75
Fluoranthene
Concen: 9.906 ng
RT: 12.639 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131136.D
Acq: 10 Nov 2022 22:12

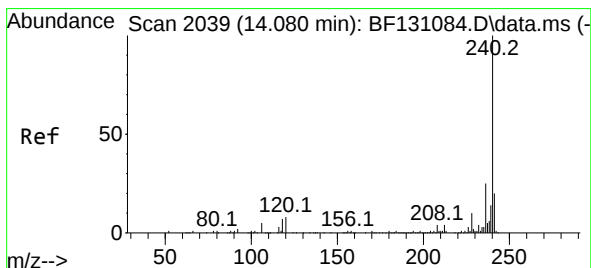
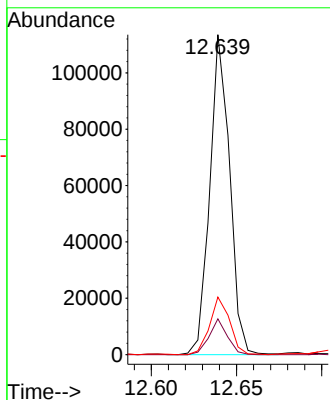
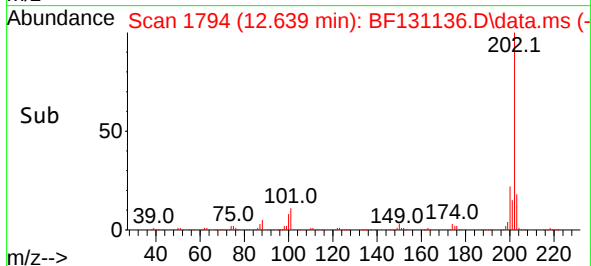
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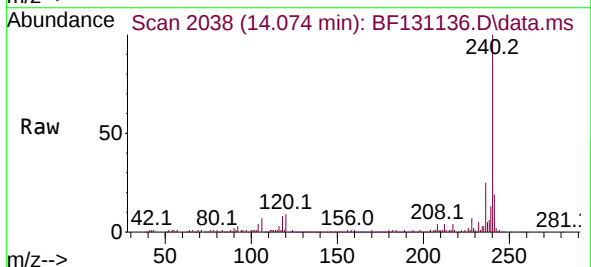
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Ion Ratio Lower Upper
202 100
101 11.2 0.0 30.0
203 18.0 0.0 37.7

Manual Integrations
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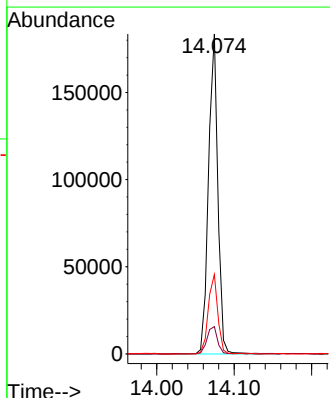
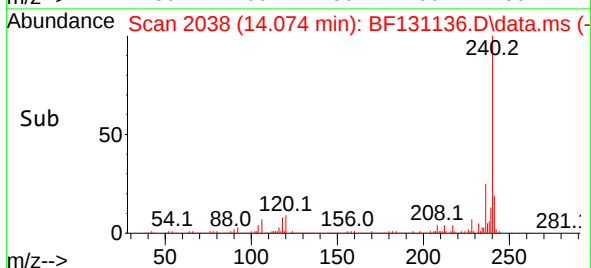
Reviewed By :Christian Giraldo 11/11/2022
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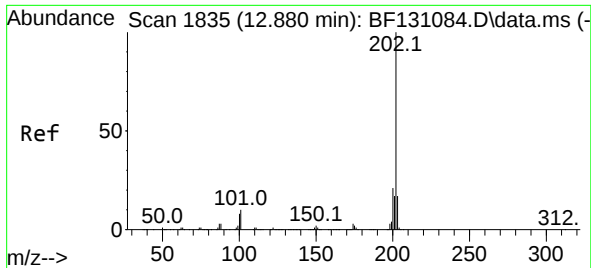


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF131136.D
Acq: 10 Nov 2022 22:12



Tgt Ion:240 Resp: 153200
Ion Ratio Lower Upper
240 100
120 8.5 6.5 9.7
236 24.8 19.7 29.5





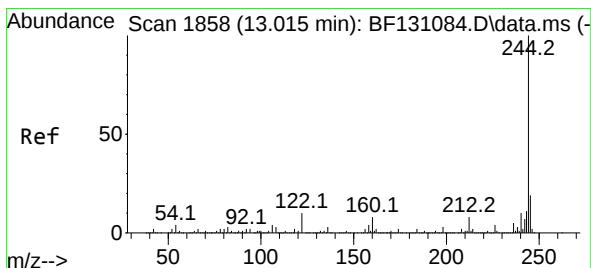
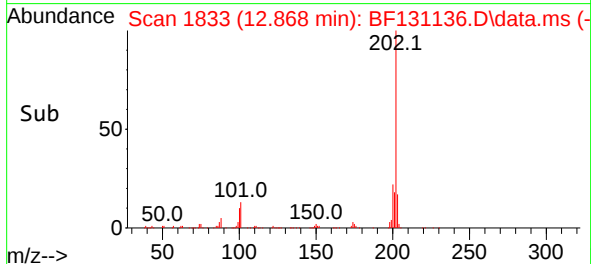
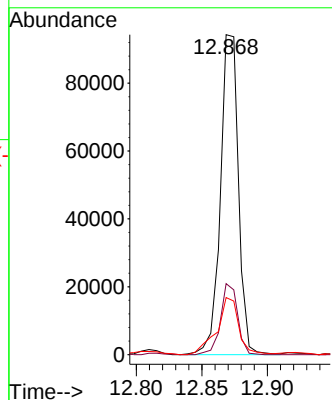
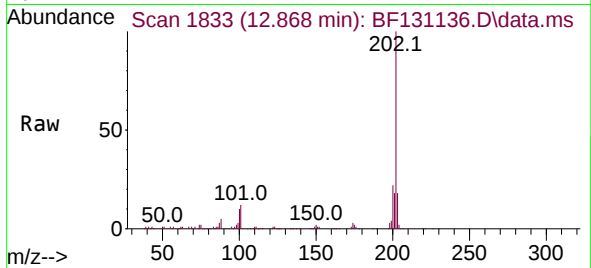
#78
Pyrene
Concen: 6.901 ng
RT: 12.868 min Scan# 1833
Delta R.T. -0.012 min
Lab File: BF131136.D
Acq: 10 Nov 2022 22:12

Instrument :
BNA_F
ClientSampleId :
72-11995

Tgt Ion:202 Resp: 90711
Ion Ratio Lower Upper
202 100
200 22.2 16.8 25.2
203 17.9 13.6 20.4

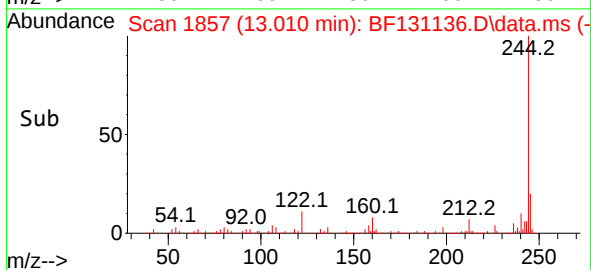
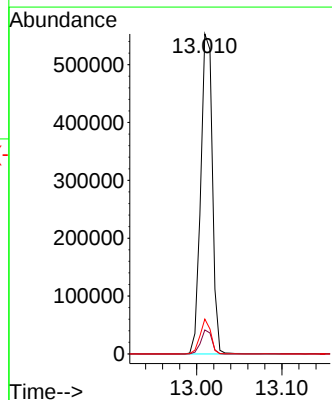
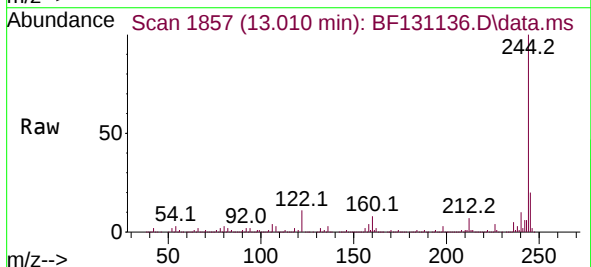
Manual Integrations
APPROVED

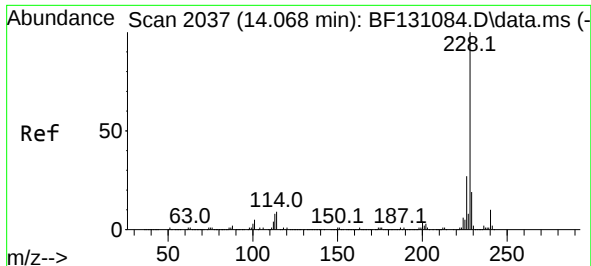
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022



#79
Terphenyl-d14
Concen: 59.815 ng
RT: 13.010 min Scan# 1857
Delta R.T. -0.005 min
Lab File: BF131136.D
Acq: 10 Nov 2022 22:12

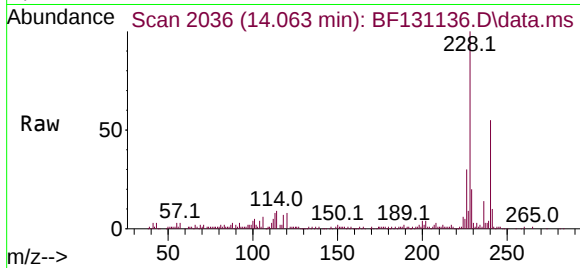
Tgt Ion:244 Resp: 522642
Ion Ratio Lower Upper
244 100
212 7.5 6.2 9.2
122 10.9 7.8 11.8





#81
Benzo(a)anthracene
Concen: 5.270 ng
RT: 14.063 min Scan# 2036
Delta R.T. -0.006 min
Lab File: BF131136.D
Acq: 10 Nov 2022 22:12

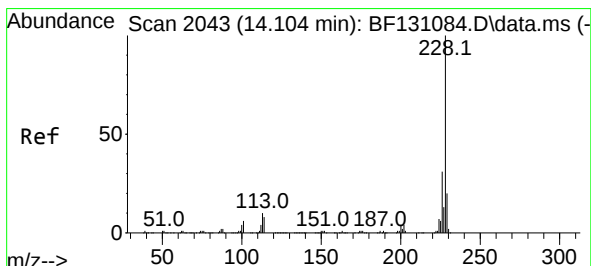
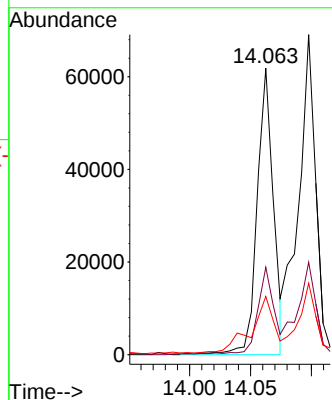
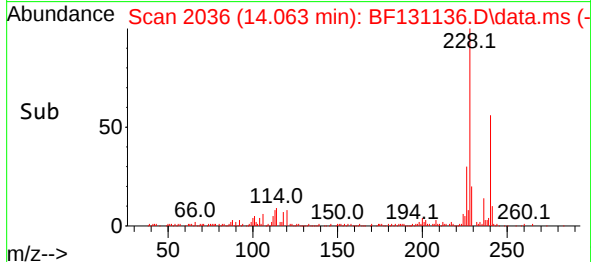
Instrument :
BNA_F
ClientSampleId :
72-11995



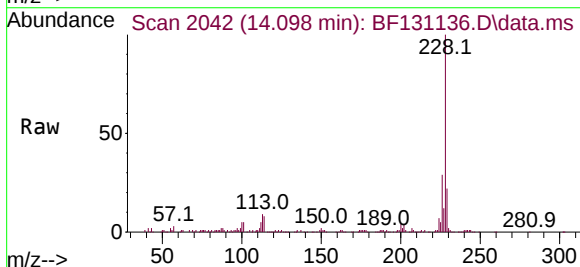
Tgt Ion:228 Resp: 5770
Ion Ratio Lower Upper
228 100
226 30.5 21.8 32.6
229 20.3 15.4 23.2

Manual Integrations
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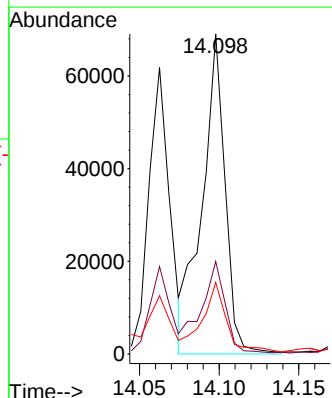
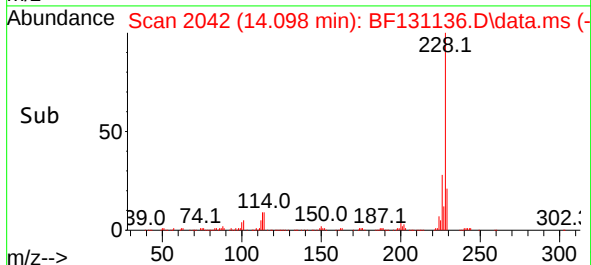
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022

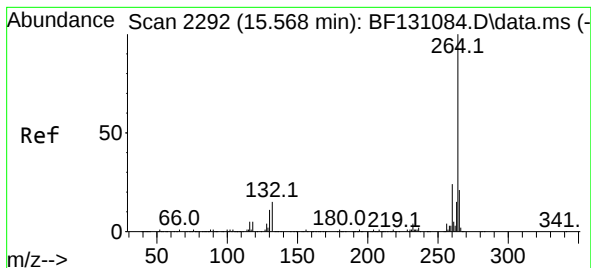


#83
Chrysene
Concen: 6.738 ng m
RT: 14.098 min Scan# 2042
Delta R.T. -0.006 min
Lab File: BF131136.D
Acq: 10 Nov 2022 22:12



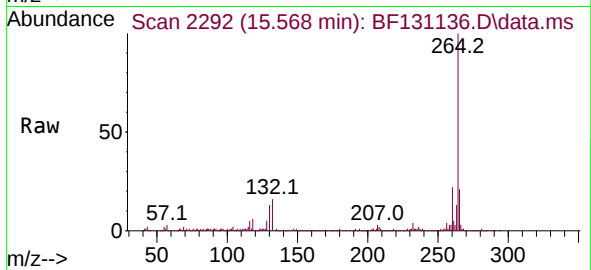
Tgt Ion:228 Resp: 69678
Ion Ratio Lower Upper
228 100
226 28.9 24.4 36.6
229 22.3 15.8 23.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF131136.D
Acq: 10 Nov 2022 22:12

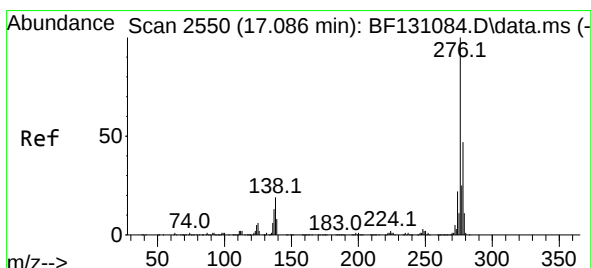
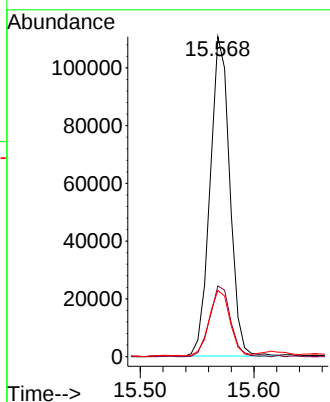
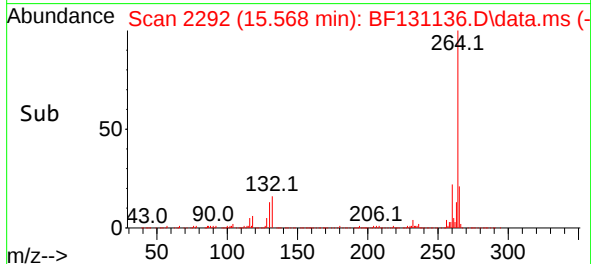
Instrument :
BNA_F
ClientSampleId :
72-11995



Tgt Ion:264 Resp: 133285
Ion Ratio Lower Upper
264 100
260 22.1 19.1 28.7
265 20.7 16.7 25.1

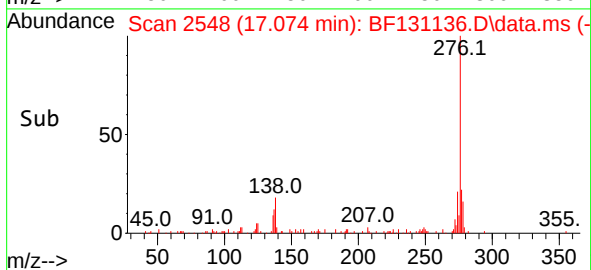
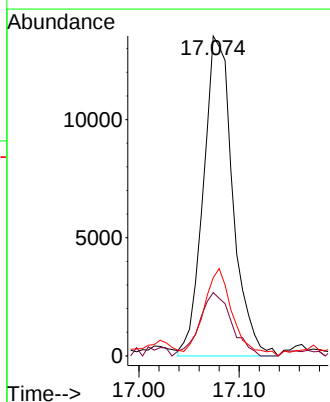
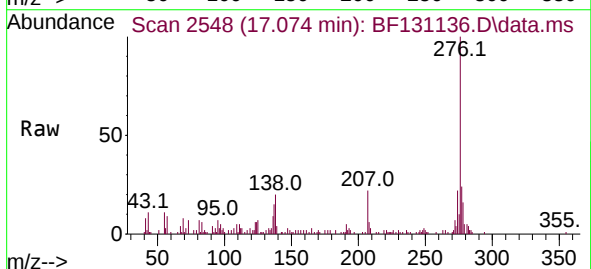
Manual Integrations
APPROVED

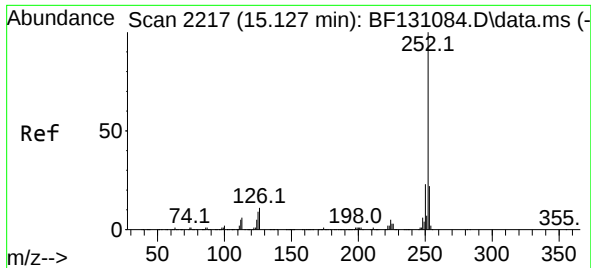
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.187 ng
RT: 17.074 min Scan# 2548
Delta R.T. -0.012 min
Lab File: BF131136.D
Acq: 10 Nov 2022 22:12

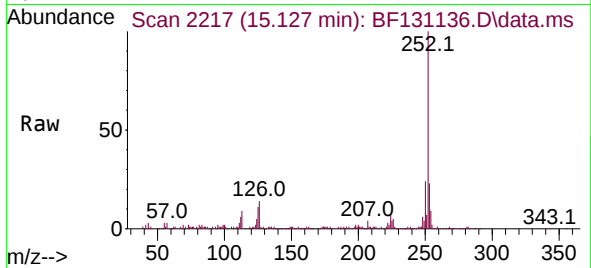
Tgt Ion:276 Resp: 27538
Ion Ratio Lower Upper
276 100
138 21.6 16.9 25.3
277 26.6 20.3 30.5





#88
Benzo(b)fluoranthene
Concen: 11.713 ng m
RT: 15.127 min Scan# 2217
Delta R.T. 0.000 min
Lab File: BF131136.D
Acq: 10 Nov 2022 22:12

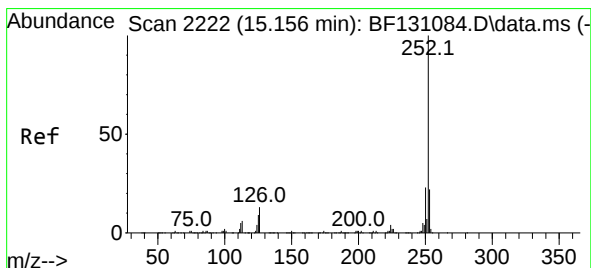
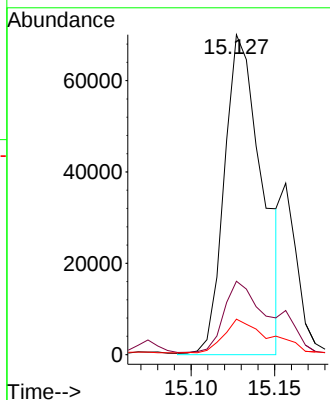
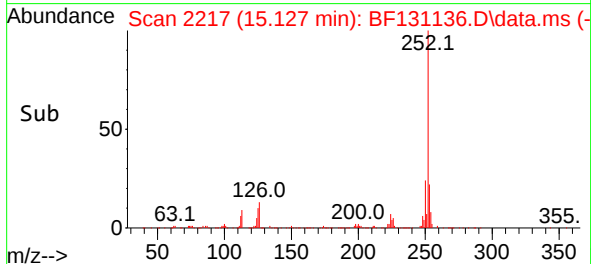
Instrument :
BNA_F
ClientSampleId :
72-11995



Tgt Ion:252 Resp: 110372
Ion Ratio Lower Upper
252 100
253 22.9 17.3 25.9
125 11.1 7.2 10.8

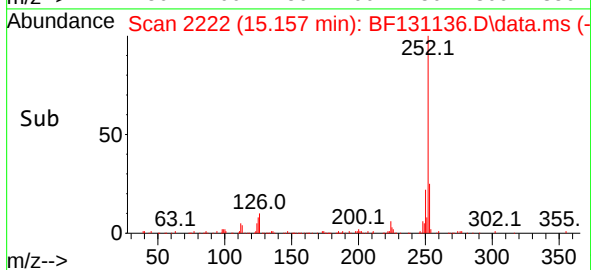
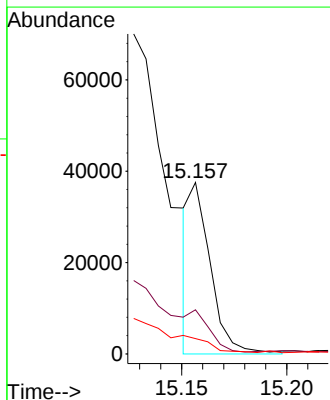
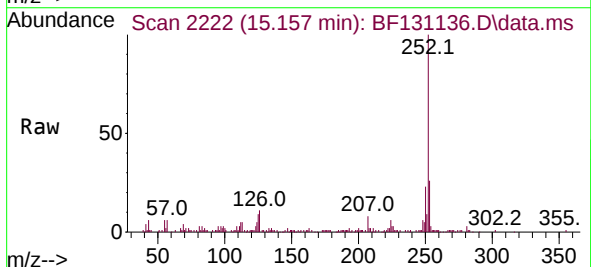
Manual Integrations
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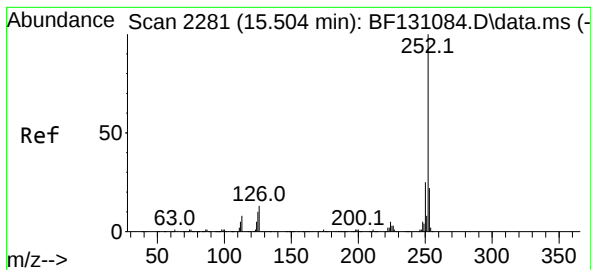
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022



#89
Benzo(k)fluoranthene
Concen: 2.844 ng m
RT: 15.157 min Scan# 2222
Delta R.T. 0.001 min
Lab File: BF131136.D
Acq: 10 Nov 2022 22:12

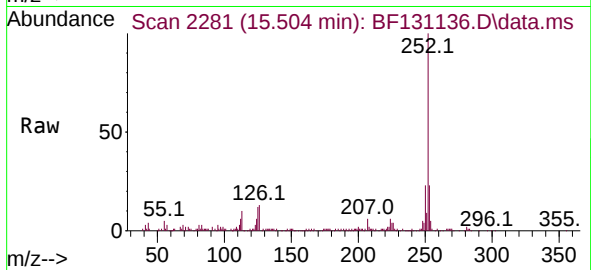
Tgt Ion:252 Resp: 25762
Ion Ratio Lower Upper
252 100
253 25.7 17.6 26.4
125 8.9 7.5 11.3





#90
Benzo(a)pyrene
Concen: 7.546 ng
RT: 15.504 min Scan# 211
Delta R.T. -0.000 min
Lab File: BF131136.D
Acq: 10 Nov 2022 22:12

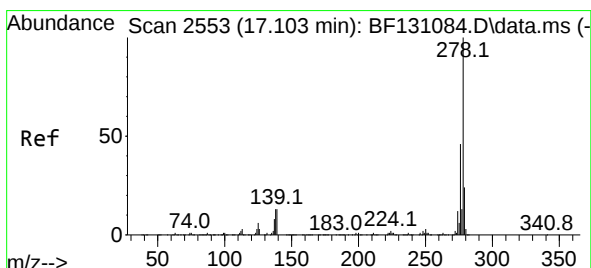
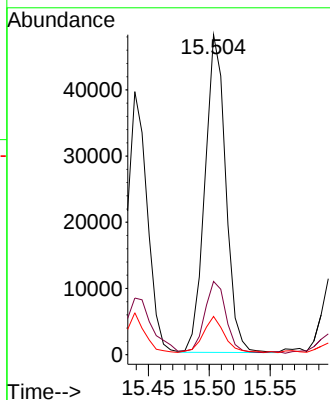
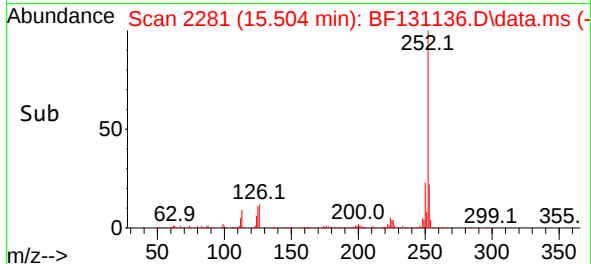
Instrument :
BNA_F
ClientSampleId :
72-11995



Tgt Ion:252 Resp: 57010
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.8
125 11.9 8.1 12.1

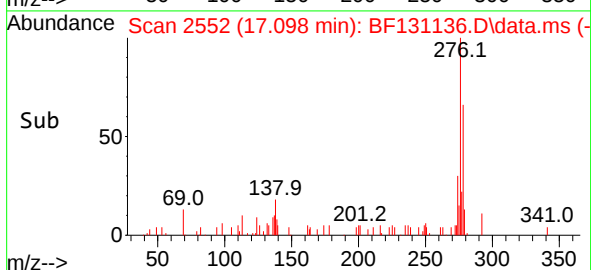
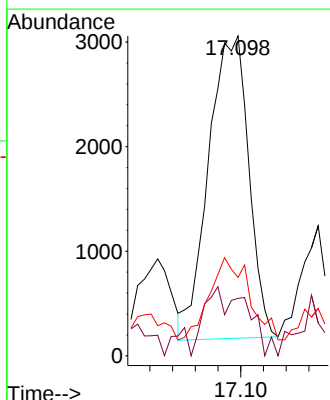
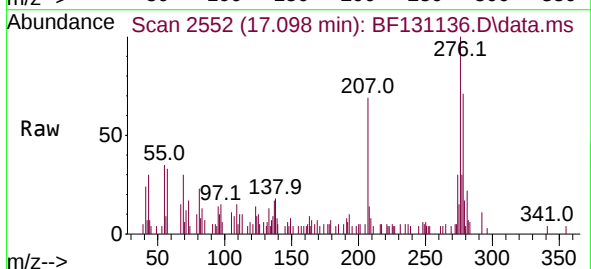
Manual Integrations
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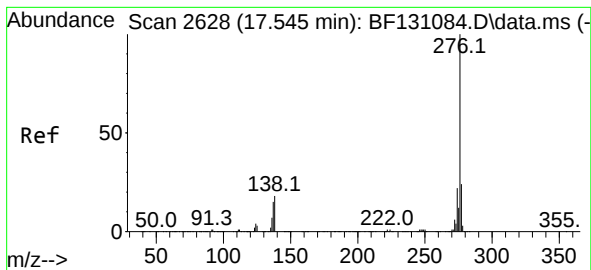
Reviewed By :Christian Giraldo 11/11/2022
Supervised By :Jagrut Upadhyay 11/11/2022



#91
Dibenzo(a,h)anthracene
Concen: 4.579 ng
RT: 17.098 min Scan# 2552
Delta R.T. -0.005 min
Lab File: BF131136.D
Acq: 10 Nov 2022 22:12

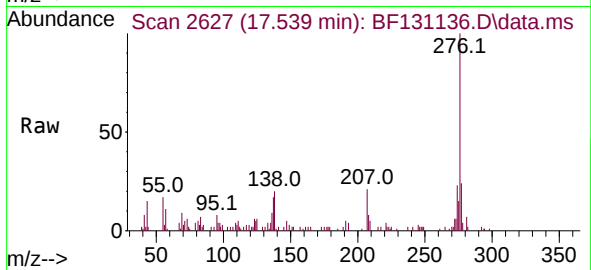
Tgt Ion:278 Resp: 7105
Ion Ratio Lower Upper
278 100
139 17.9 10.8 16.2#
279 24.5 19.2 28.8





#92
 Benzo(g,h,i)perylene
 Concen: 6.740 ng
 RT: 17.539 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: BF131136.D
 Acq: 10 Nov 2022 22:12

Instrument :
 BNA_F
 ClientSampleId :
 72-11995



Tgt Ion:	276	Resp:	2447
Ion Ratio	Lower	Upper	
276	100		
277	24.2	19.0	28.4
138	19.8	14.6	21.8

Manual Integrations
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Reviewed By :Christian Giraldo 11/11/2022
 Supervised By :Jagrut Upadhyay 11/11/2022

