

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110322\
 Data File : BF130975.D
 Acq On : 03 Nov 2022 23:34
 Operator : CG\JU
 Sample : N5396-16
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-H

Manual Integrations
 APPROVED

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

Quant Time: Nov 04 06:24:26 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	73961	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	243695	20.000	ng	# 0.00
39) Acenaphthene-d10	9.963	164	115889	20.000	ng	0.00
64) Phenanthrene-d10	11.457	188	225088	20.000	ng	0.00
76) Chrysene-d12	14.110	240	203918	20.000	ng	0.00
86) Perylene-d12	15.615	264	131132	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.540	112	542793	127.228	ng	0.01
7) Phenol-d6	6.540	99	644033	116.167	ng	0.00
23) Nitrobenzene-d5	7.481	82	413677	102.358	ng	0.00
42) 2,4,6-Tribromophenol	10.757	330	154427	158.297	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	664194	86.650	ng	0.00
79) Terphenyl-d14	13.045	244	826305	74.254	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.822	152	40772	3.897	ng	99
71) Phenanthrene	11.480	178	114927	9.893	ng	97
72) Anthracene	11.533	178	36451	3.181	ng	97
75) Fluoranthene	12.674	202	310468	25.152	ng	99
78) Pyrene	12.904	202	322007	18.717	ng	99
81) Benzo(a)anthracene	14.098	228	160739m	11.889	ng	
83) Chrysene	14.133	228	176299	13.519	ng	97
87) Indeno(1,2,3-cd)pyrene	17.145	276	55999	6.431	ng	# 93
88) Benzo(b)fluoranthene	15.168	252	141684m	16.714	ng	
89) Benzo(k)fluoranthene	15.198	252	51320m	6.213	ng	
90) Benzo(a)pyrene	15.551	252	92949	13.640	ng	97
91) Dibenzo(a,h)anthracene	17.156	278	14691	2.069	ng	# 66
92) Benzo(g,h,i)perylene	17.609	276	54699	7.553	ng	97

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

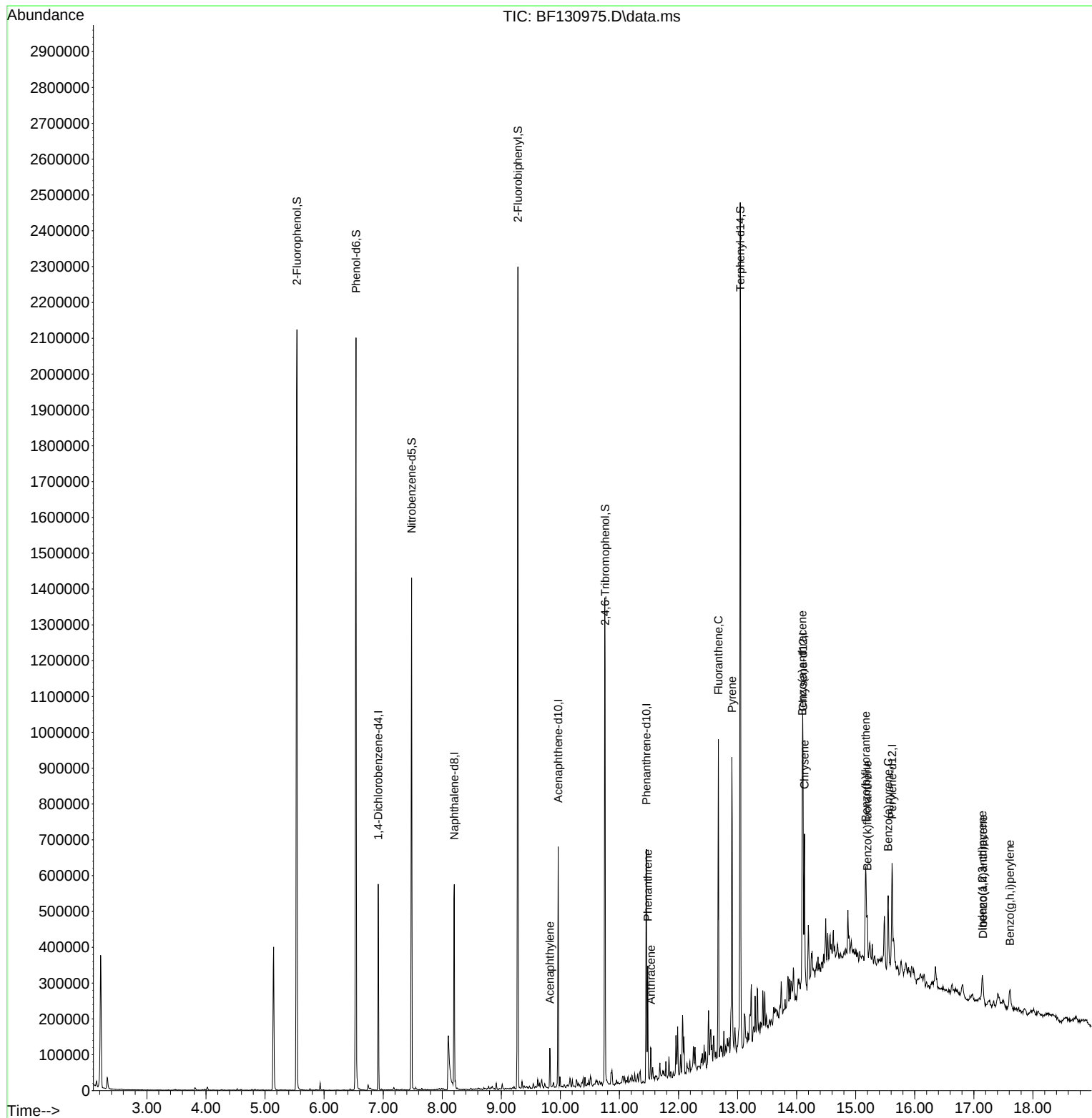
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110322\
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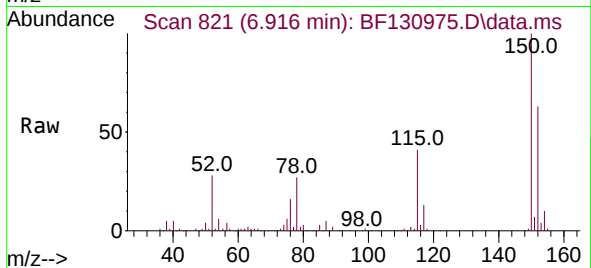
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.916 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF130975.D
Acq: 03 Nov 2022 23:34

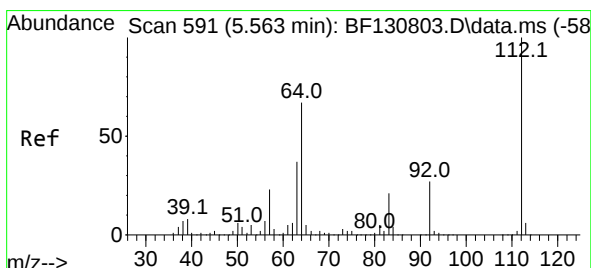
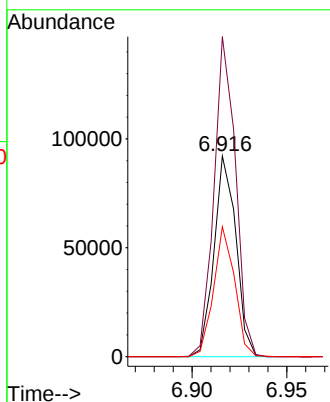
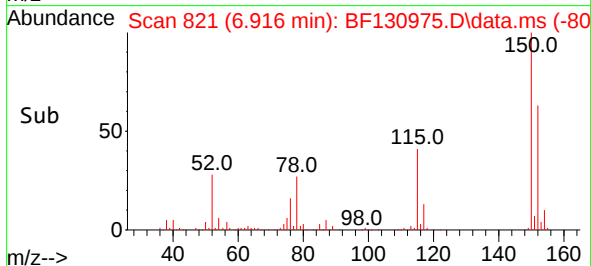
Instrument :
BNA_F
ClientSampleId :
TP-H



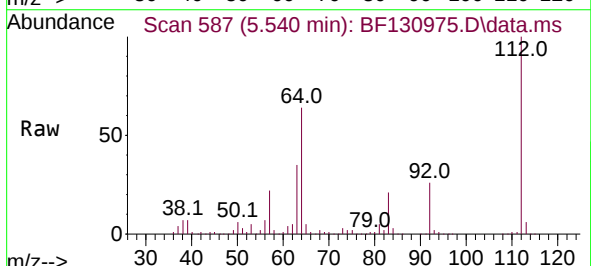
Tgt Ion:152 Resp: 73963
Ion Ratio Lower Upper
152 100
150 159.5 124.1 186.1
115 64.7 50.1 75.1

Manual Integrations
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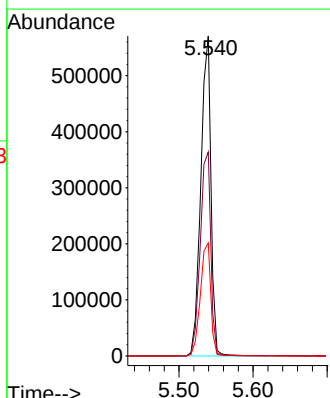
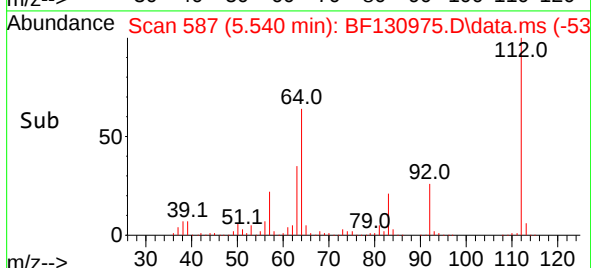
Reviewed By :Christian Giraldo 11/04/2022
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#5
2-Fluorophenol
Concen: 127.228 ng
RT: 5.540 min Scan# 587
Delta R.T. 0.012 min
Lab File: BF130975.D
Acq: 03 Nov 2022 23:34



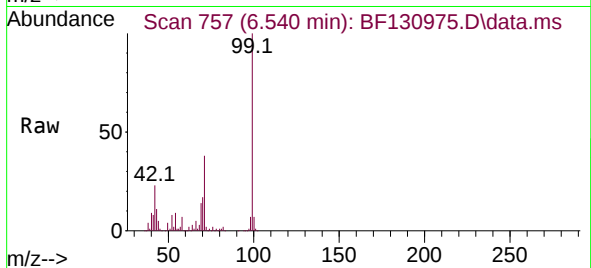
Tgt Ion:112 Resp: 542793
Ion Ratio Lower Upper
112 100
64 63.7 53.9 80.9
63 35.3 29.4 44.2





#7
Phenol-d6
Concen: 116.167 ng
RT: 6.540 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF130975.D
Acq: 03 Nov 2022 23:34

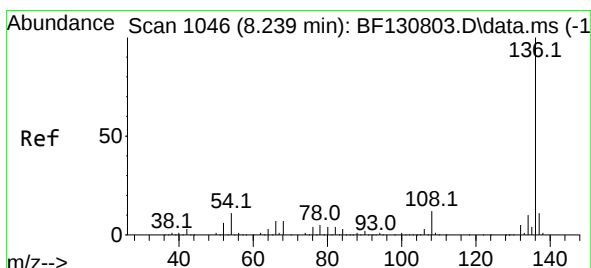
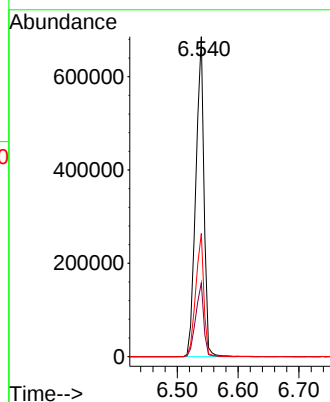
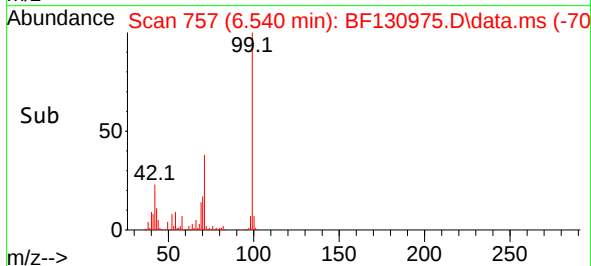
Instrument :
BNA_F
ClientSampleId :
TP-H



Tgt Ion: 99 Resp: 644033
Ion Ratio Lower Upper
99 100
42 23.0 18.8 28.2
71 38.5 31.4 47.0

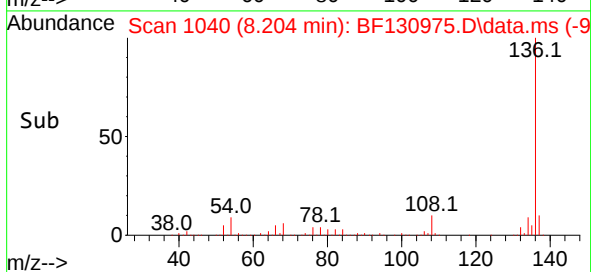
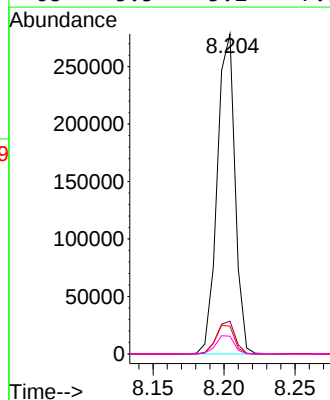
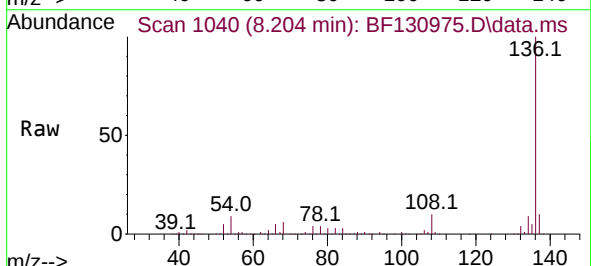
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1040
Delta R.T. -0.000 min
Lab File: BF130975.D
Acq: 03 Nov 2022 23:34

Tgt Ion:136 Resp: 243695
Ion Ratio Lower Upper
136 100
137 10.2 9.2 13.8
54 8.6 8.8 13.2#
68 5.5 5.2 7.8





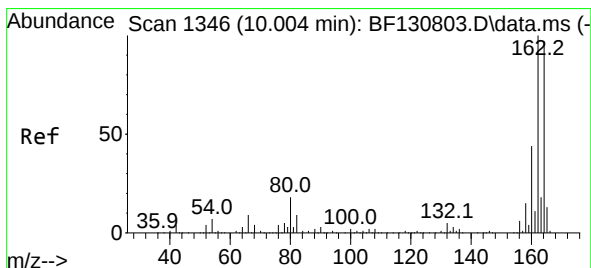
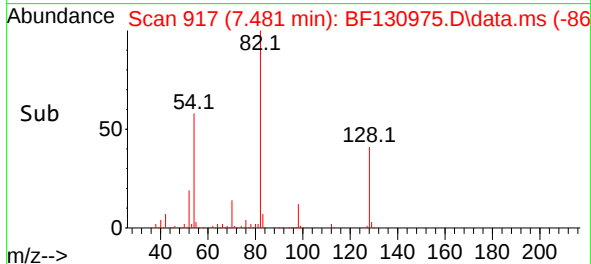
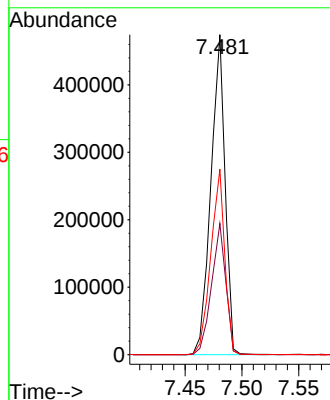
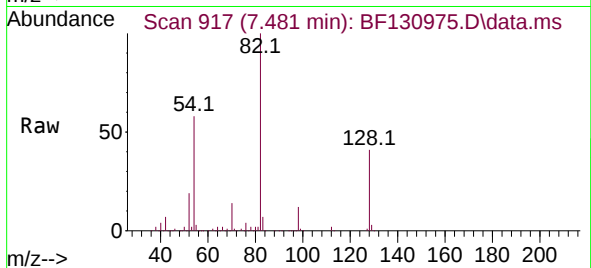
#23
Nitrobenzene-d5
Concen: 102.358 ng
RT: 7.481 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF130975.D
Acq: 03 Nov 2022 23:34

Instrument :
BNA_F
ClientSampleId :
TP-H

Tgt Ion: 82 Resp: 413672
Ion Ratio Lower Upper
82 100
128 41.0 31.2 46.8
54 57.9 48.0 72.0

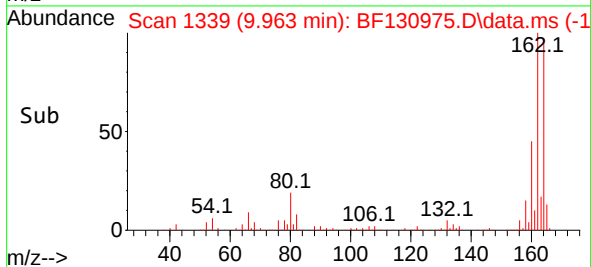
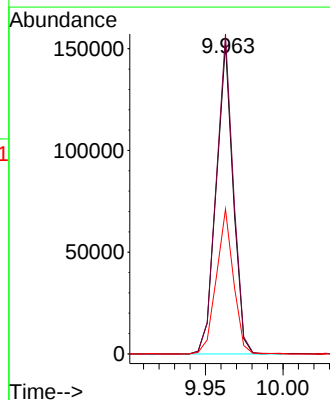
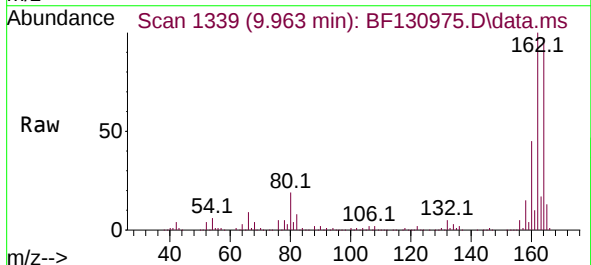
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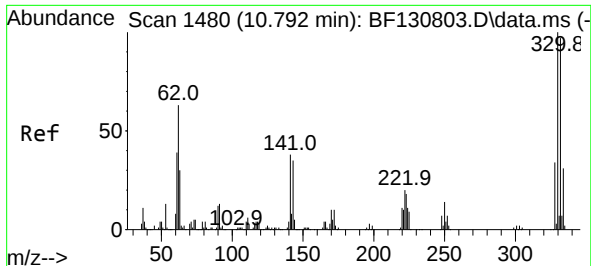
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF130975.D
Acq: 03 Nov 2022 23:34

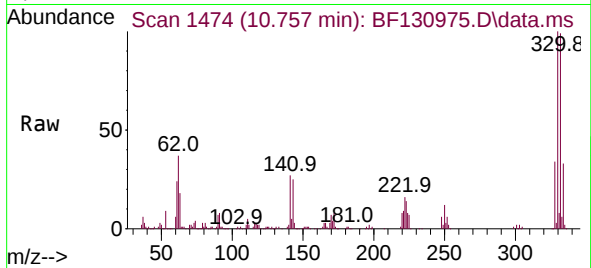
Tgt Ion:164 Resp: 115889
Ion Ratio Lower Upper
164 100
162 103.2 82.2 123.2
160 46.7 36.6 54.8





#42
2,4,6-Tribromophenol
Concen: 158.297 ng
RT: 10.757 min Scan# 1480
Delta R.T. -0.000 min
Lab File: BF130975.D
Acq: 03 Nov 2022 23:34

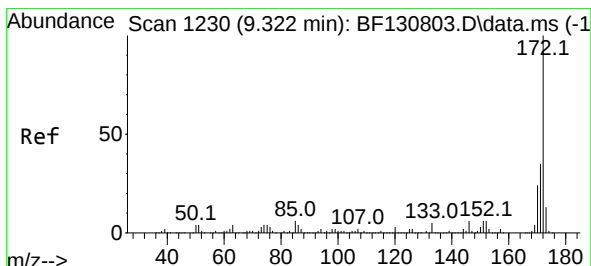
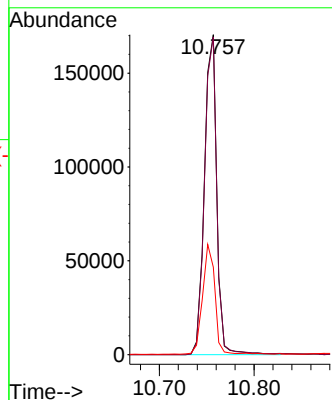
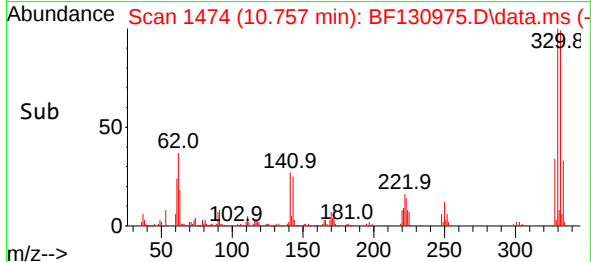
Instrument :
BNA_F
ClientSampleId :
TP-H



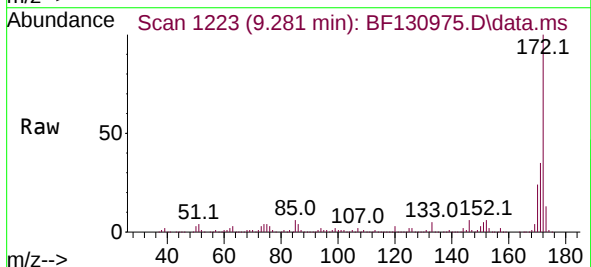
Tgt Ion: 330 Resp: 154427
Ion Ratio Lower Upper
330 100
332 99.3 76.2 114.4
141 33.9 31.4 47.0

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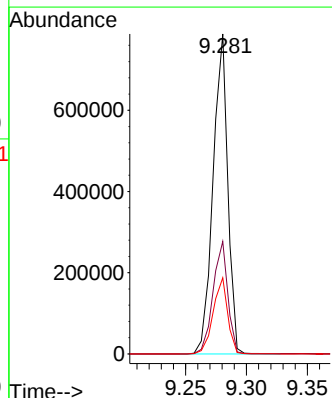
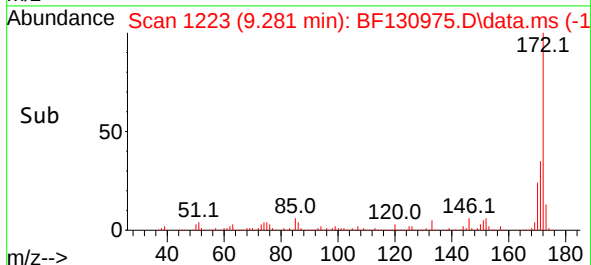
Reviewed By : Christian Giraldo 11/04/2022
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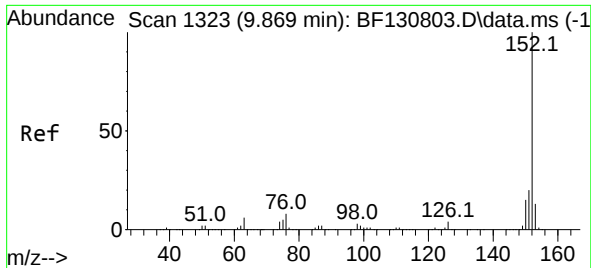


#45
2-Fluorobiphenyl
Concen: 86.650 ng
RT: 9.281 min Scan# 1223
Delta R.T. -0.000 min
Lab File: BF130975.D
Acq: 03 Nov 2022 23:34



Tgt Ion: 172 Resp: 664194
Ion Ratio Lower Upper
172 100
171 35.1 28.1 42.1
170 23.8 19.0 28.4





#49

Acenaphthylene

Concen: 3.897 ng

RT: 9.822 min Scan# 1315

Delta R.T. -0.006 min

Lab File: BF130975.D

Acq: 03 Nov 2022 23:34

Instrument :

BNA_F

ClientSampleId :

TP-H

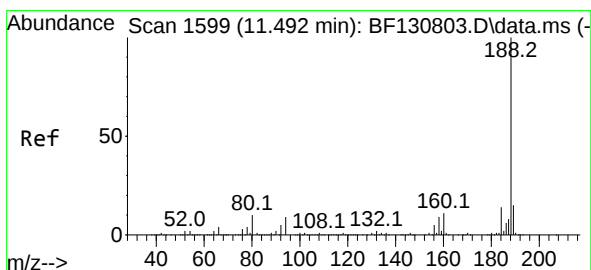
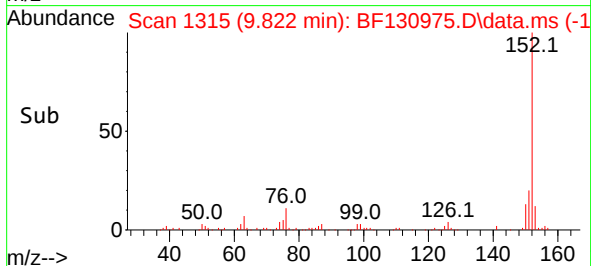
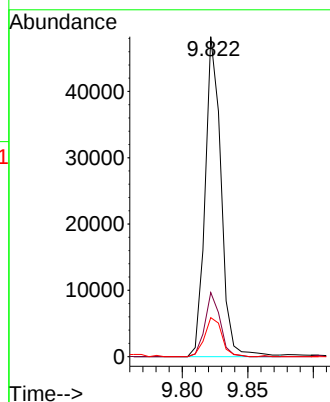
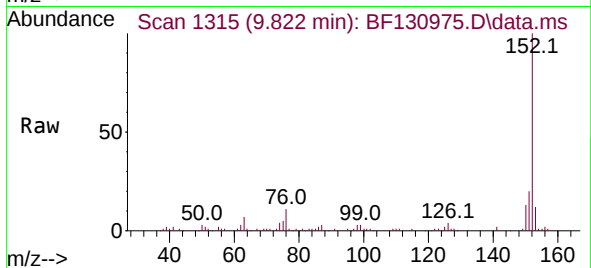
Tgt Ion:152	Resp: 40772
Ion Ratio	Lower Upper
152 100	
151 20.0	15.8 23.8
153 12.2	10.2 15.4

Manual Integrations

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Supervised By :Sohil Jodhani 11/04/2022



#64

Phenanthrene-d10

Concen: 20.000 ng

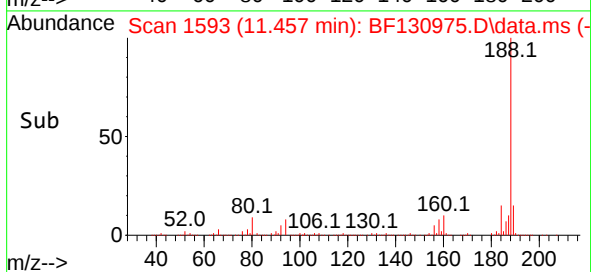
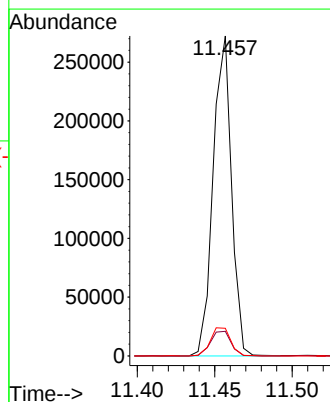
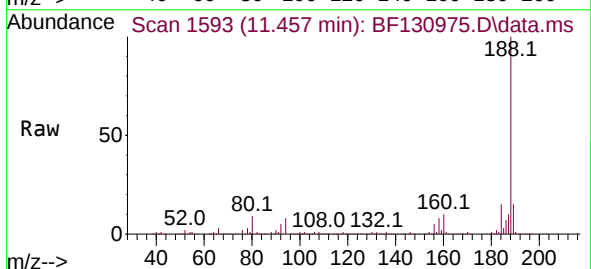
RT: 11.457 min Scan# 1593

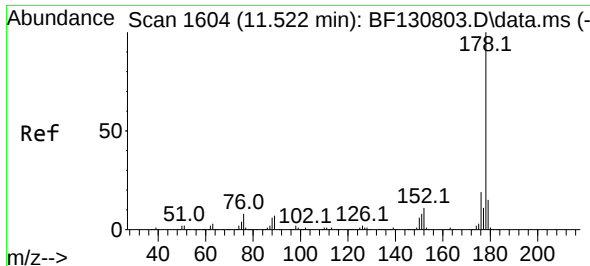
Delta R.T. -0.000 min

Lab File: BF130975.D

Acq: 03 Nov 2022 23:34

Tgt Ion:188	Resp: 225088
Ion Ratio	Lower Upper
188 100	
94 7.7	7.4 11.2
80 8.6	8.0 12.0





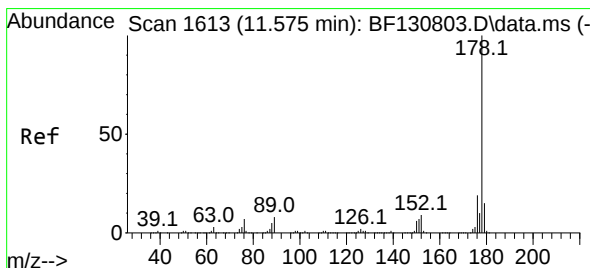
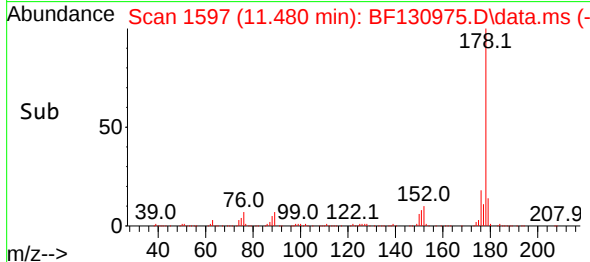
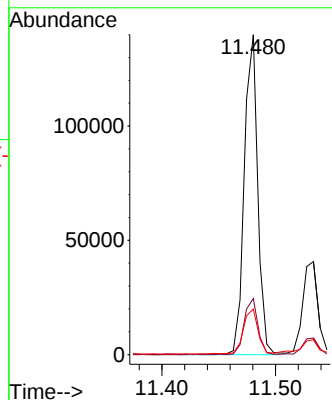
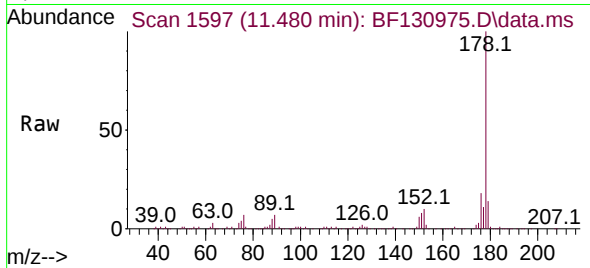
#71
Phenanthrene
Concen: 9.893 ng
RT: 11.480 min Scan# 11492
Delta R.T. -0.000 min
Lab File: BF130975.D
Acq: 03 Nov 2022 23:34

Instrument :
BNA_F
ClientSampleId :
TP-H

Tgt Ion:178 Resp: 11492
Ion Ratio Lower Upper
178 100
176 17.5 15.5 23.3
179 14.3 12.2 18.2

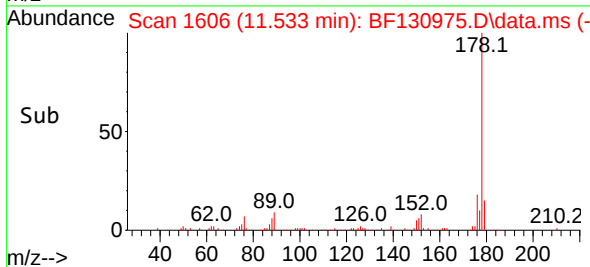
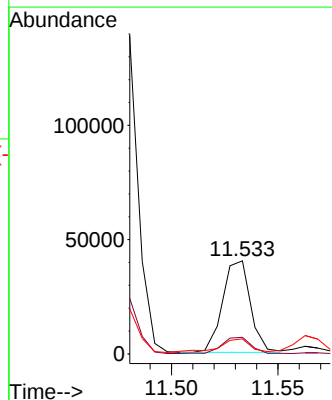
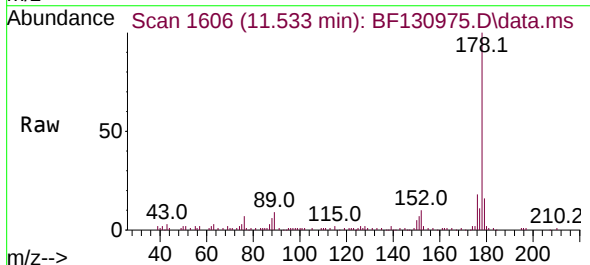
Manual Integrations
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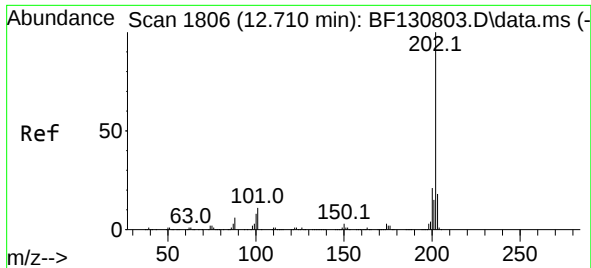
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#72
Anthracene
Concen: 3.181 ng
RT: 11.533 min Scan# 1606
Delta R.T. -0.000 min
Lab File: BF130975.D
Acq: 03 Nov 2022 23:34

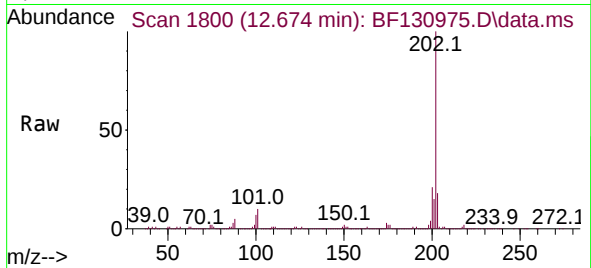
Tgt Ion:178 Resp: 36451
Ion Ratio Lower Upper
178 100
176 17.8 15.4 23.0
179 16.1 12.2 18.4





#75
Fluoranthene
Concen: 25.152 ng
RT: 12.674 min Scan# 1806
Delta R.T. -0.000 min
Lab File: BF130975.D
Acq: 03 Nov 2022 23:34

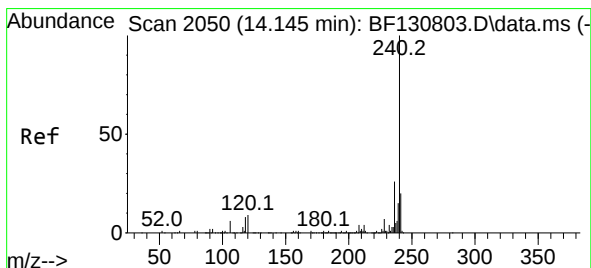
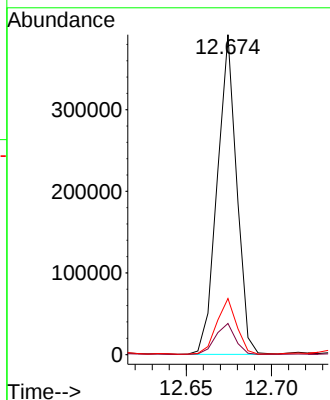
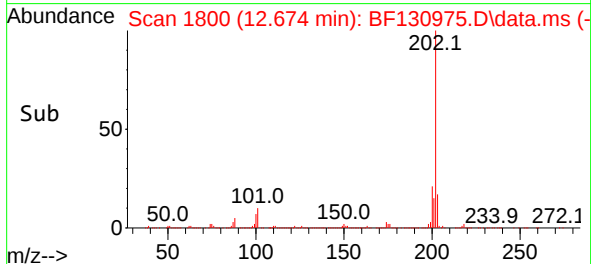
Instrument :
BNA_F
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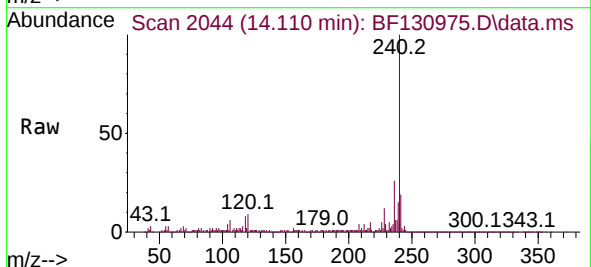
Tgt Ion:202 Resp: 310468
Ion Ratio Lower Upper
202 100
101 9.7 0.0 30.9
203 17.5 0.0 37.7

Manual Integrations
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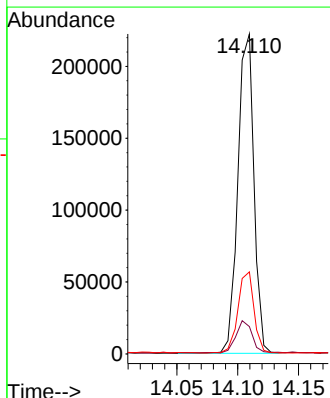
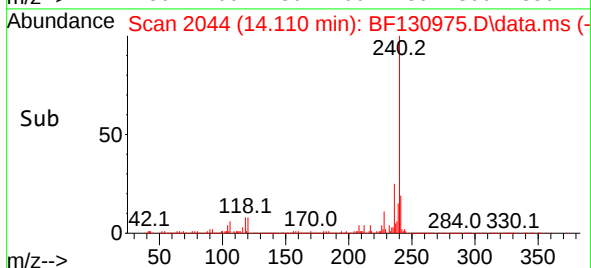
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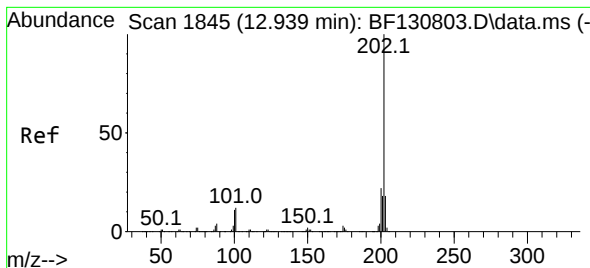


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.110 min Scan# 2044
Delta R.T. 0.006 min
Lab File: BF130975.D
Acq: 03 Nov 2022 23:34



Tgt Ion:240 Resp: 203918
Ion Ratio Lower Upper
240 100
120 8.5 7.0 10.4
236 25.6 20.5 30.7





#78

Pyrene

Concen: 18.717 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.000 min

Lab File: BF130975.D

Acq: 03 Nov 2022 23:34

Instrument :

BNA_F

ClientSampleId :

TP-H

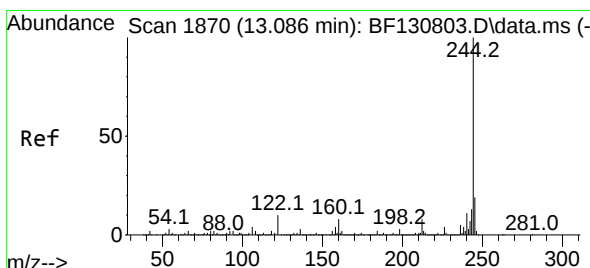
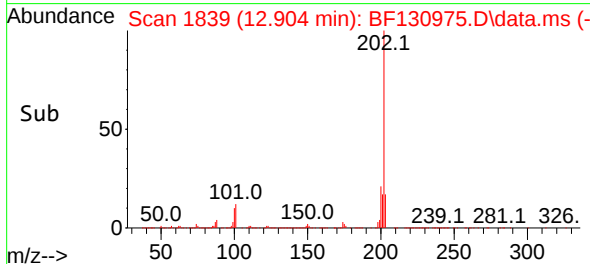
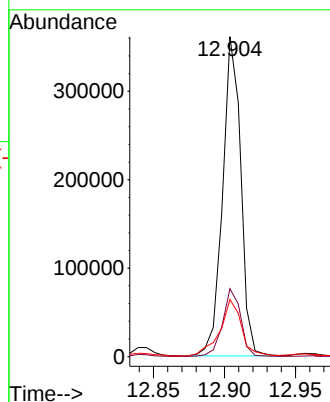
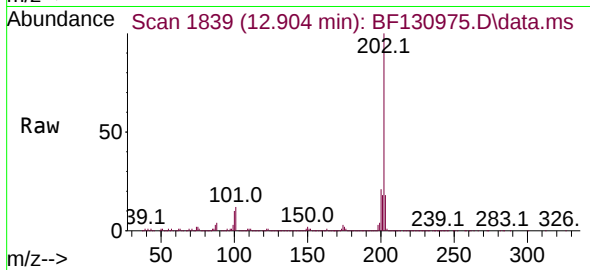
Tgt Ion:	202	Resp:	32200
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.2	25.8
203	17.8	14.5	21.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/04/2022

Supervised By :Sohil Jodhani 11/04/2022



#79

Terphenyl-d14

Concen: 74.254 ng

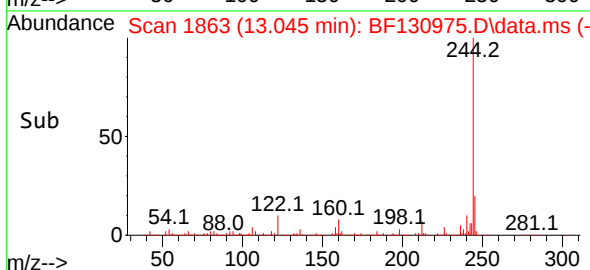
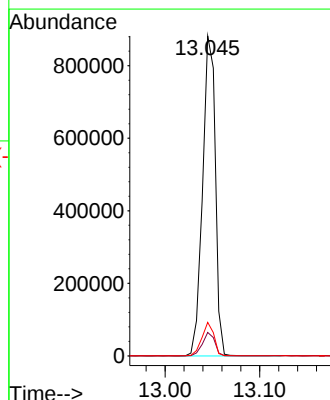
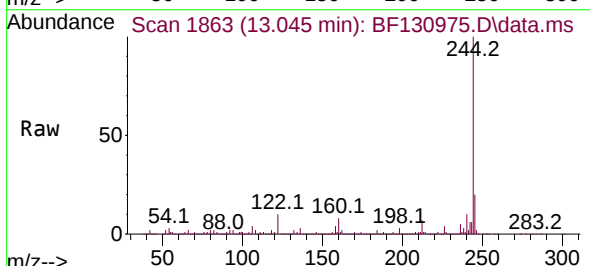
RT: 13.045 min Scan# 1863

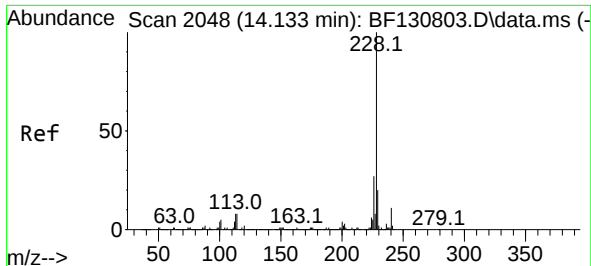
Delta R.T. -0.000 min

Lab File: BF130975.D

Acq: 03 Nov 2022 23:34

Tgt Ion:	244	Resp:	826305
Ion Ratio	Lower	Upper	
244	100		
212	7.3	6.2	9.2
122	10.5	7.9	11.9





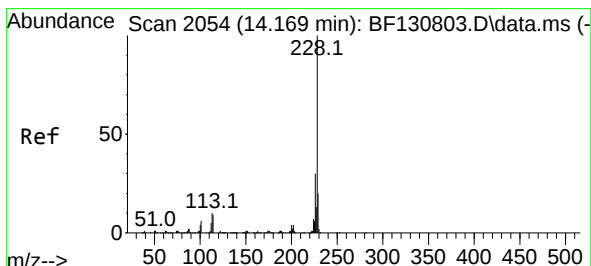
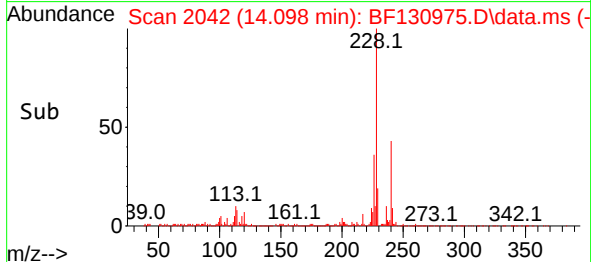
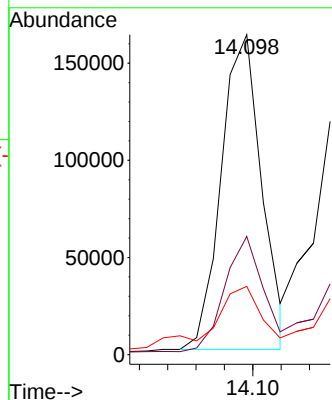
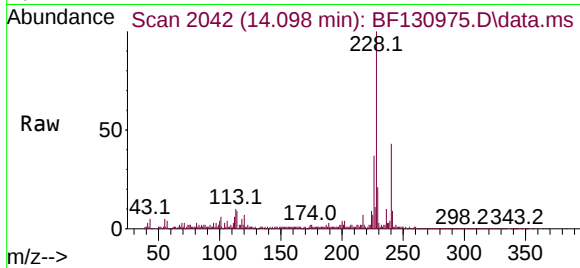
#81
Benzo(a)anthracene
Concen: 11.889 ng m
RT: 14.098 min Scan# 2042
Delta R.T. -0.000 min
Lab File: BF130975.D
Acq: 03 Nov 2022 23:34

Instrument :
BNA_F
ClientSampleId :
TP-H

Tgt Ion:228 Resp: 160739
Ion Ratio Lower Upper
228 100
226 36.9 21.4 32.2
229 21.3 15.8 23.6

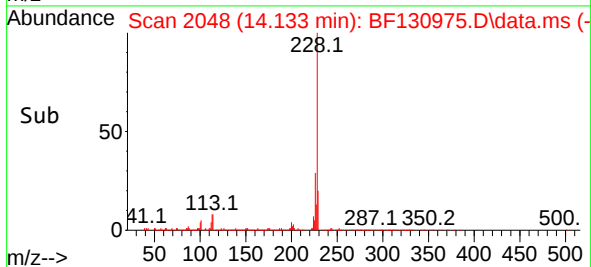
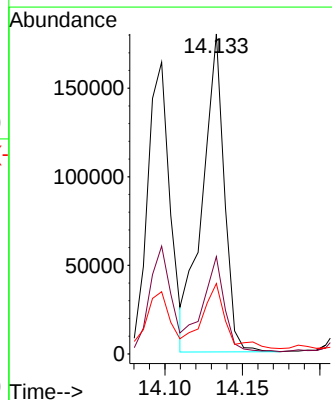
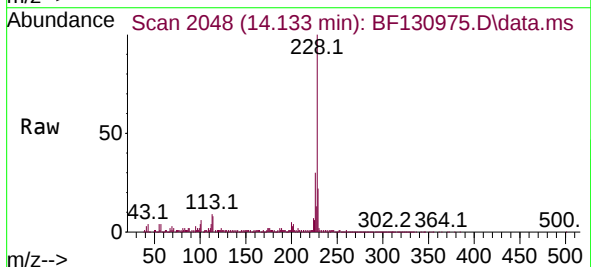
Manual Integrations
APPROVED

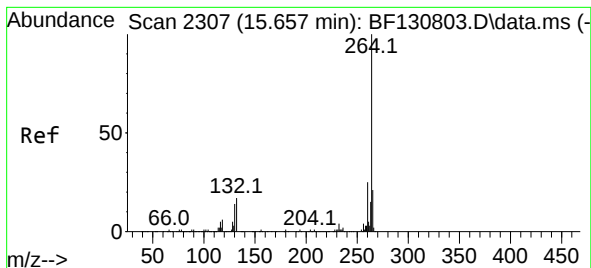
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#83
Chrysene
Concen: 13.519 ng
RT: 14.133 min Scan# 2048
Delta R.T. -0.000 min
Lab File: BF130975.D
Acq: 03 Nov 2022 23:34

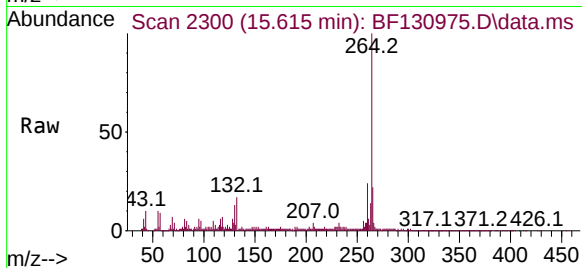
Tgt Ion:228 Resp: 176299
Ion Ratio Lower Upper
228 100
226 30.4 23.9 35.9
229 22.0 15.8 23.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.615 min Scan# 2307
Delta R.T. 0.006 min
Lab File: BF130975.D
Acq: 03 Nov 2022 23:34

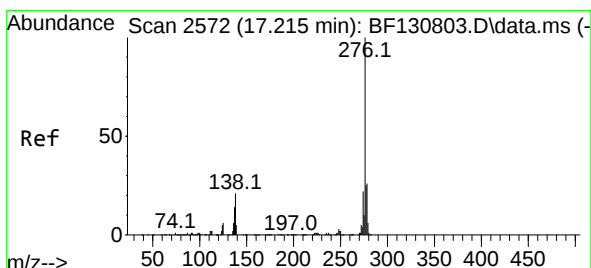
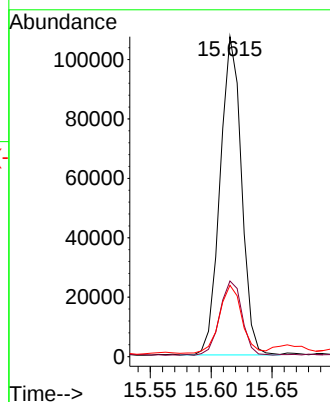
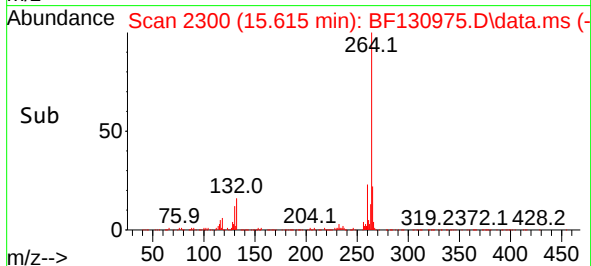
Instrument :
BNA_F
ClientSampleId :
TP-H



Tgt Ion:264 Resp: 131132
Ion Ratio Lower Upper
264 100
260 23.6 19.9 29.9
265 22.3 17.0 25.6

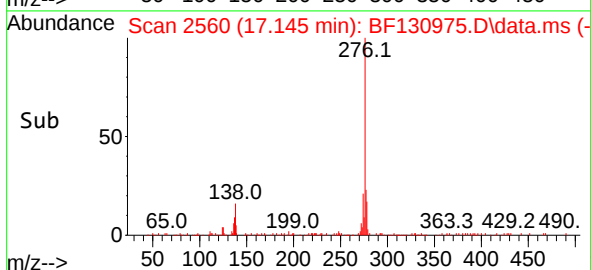
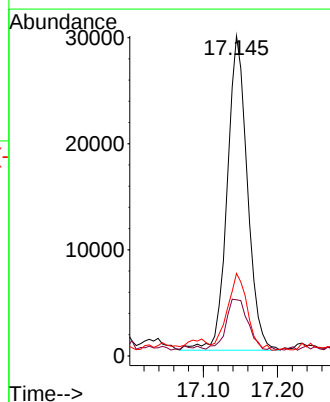
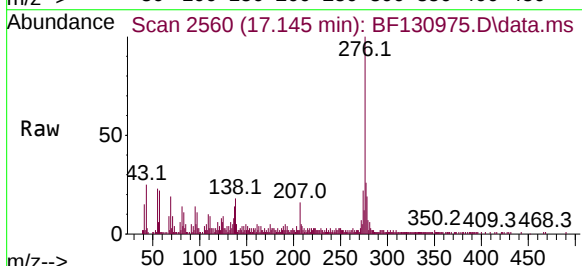
Manual Integrations
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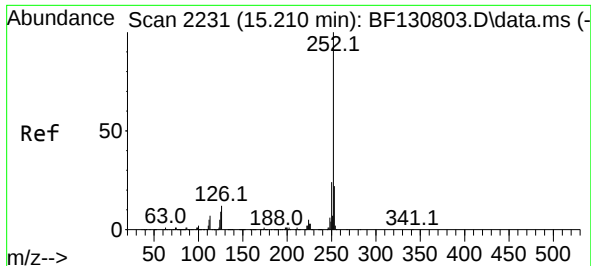
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.431 ng
RT: 17.145 min Scan# 2560
Delta R.T. -0.000 min
Lab File: BF130975.D
Acq: 03 Nov 2022 23:34

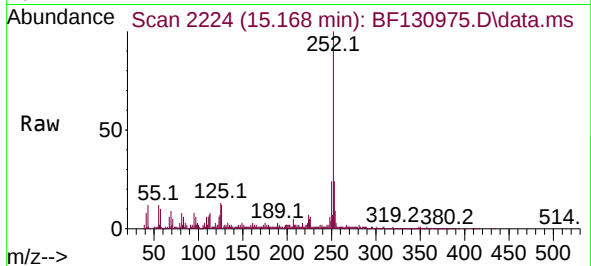
Tgt Ion:276 Resp: 55999
Ion Ratio Lower Upper
276 100
138 17.5 19.1 28.7#
277 24.1 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 16.714 ng m
RT: 15.168 min Scan# 2224
Delta R.T. 0.006 min
Lab File: BF130975.D
Acq: 03 Nov 2022 23:34

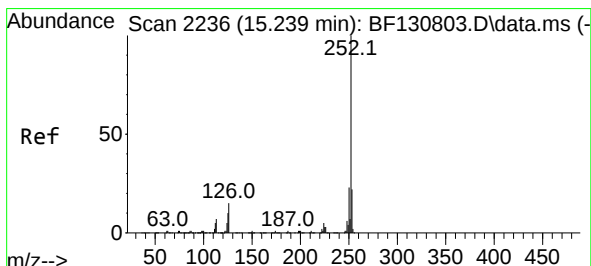
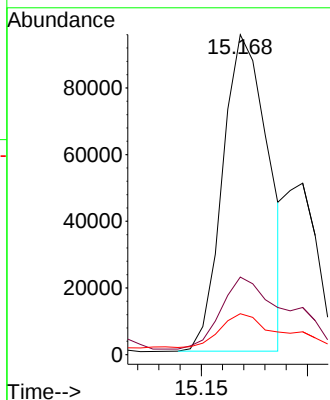
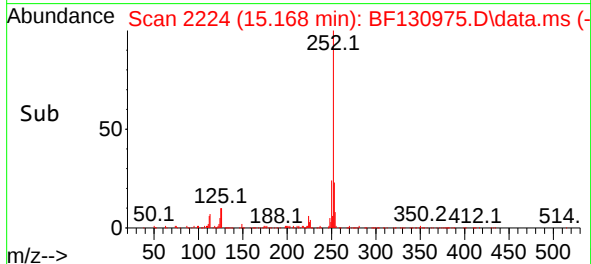
Instrument :
BNA_F
ClientSampleId :
TP-H



Tgt Ion:252 Resp: 141684
Ion Ratio Lower Upper
252 100
253 24.2 17.5 26.3
125 12.8 7.0 10.4

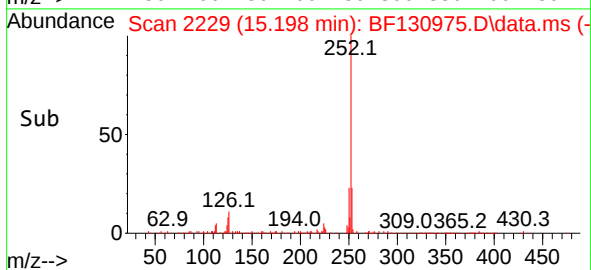
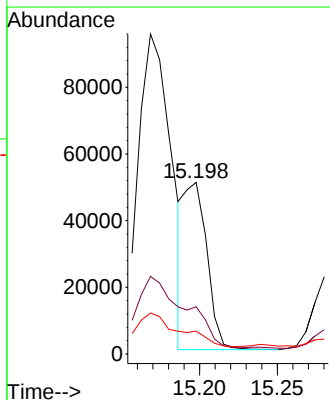
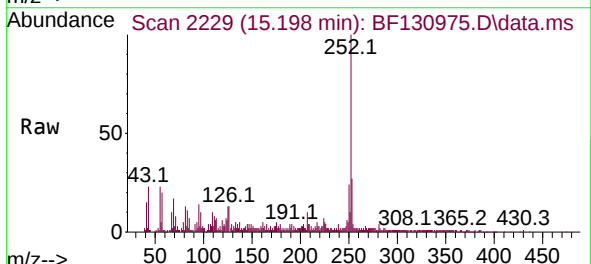
Manual Integrations
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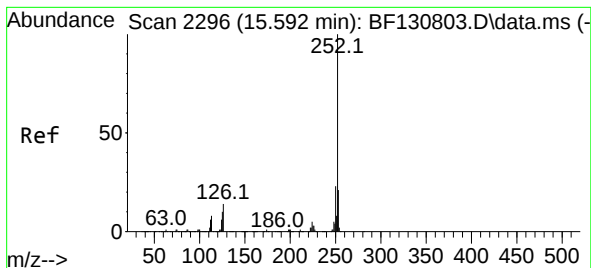
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#89
Benzo(k)fluoranthene
Concen: 6.213 ng m
RT: 15.198 min Scan# 2229
Delta R.T. -0.000 min
Lab File: BF130975.D
Acq: 03 Nov 2022 23:34

Tgt Ion:252 Resp: 51320
Ion Ratio Lower Upper
252 100
253 27.5 17.5 26.3#
125 13.3 8.0 12.0#





#90

Benzo(a)pyrene

Concen: 13.640 ng

RT: 15.551 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF130975.D

Acq: 03 Nov 2022 23:34

Instrument :

BNA_F

ClientSampleId :

TP-H

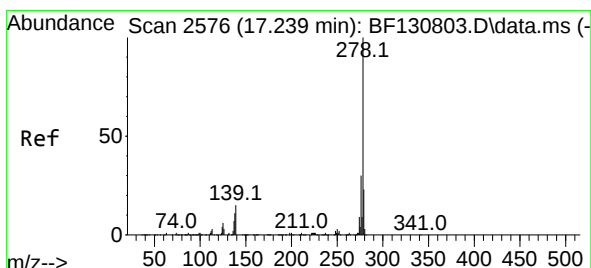
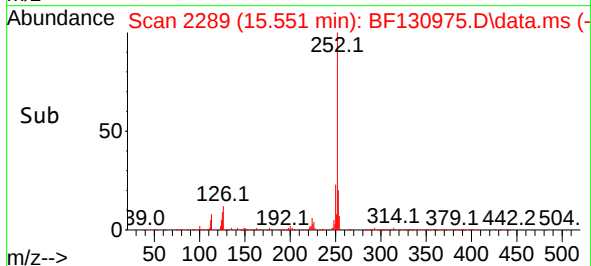
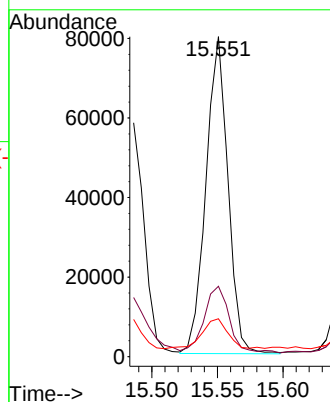
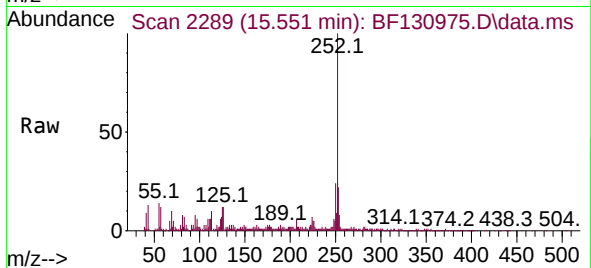
Tgt Ion:252 Resp: 92949
 Ion Ratio Lower Upper
 252 100
 253 22.0 16.8 25.2
 125 11.8 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/04/2022

Supervised By :Sohil Jodhani 11/04/2022



#91

Dibenzo(a,h)anthracene

Concen: 2.069 ng

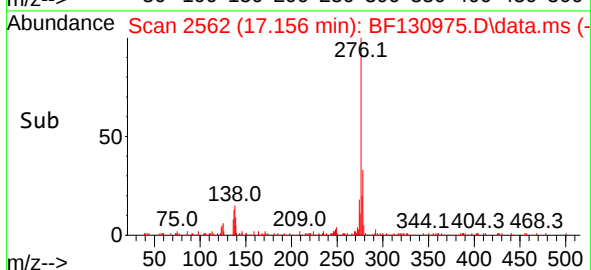
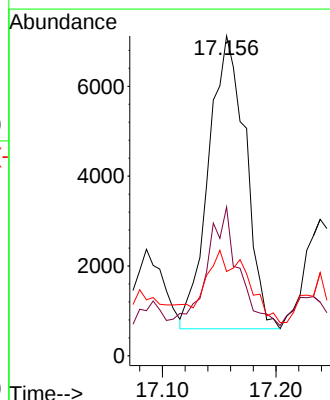
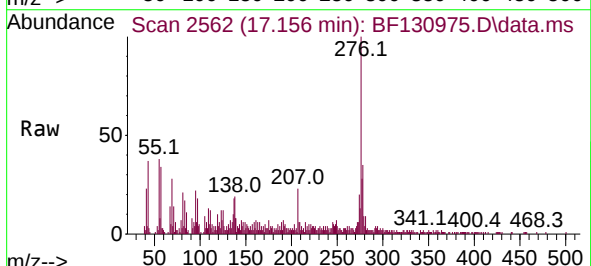
RT: 17.156 min Scan# 2562

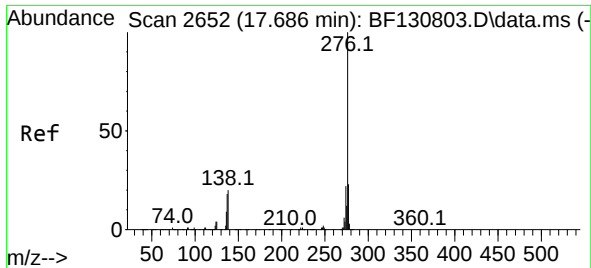
Delta R.T. -0.006 min

Lab File: BF130975.D

Acq: 03 Nov 2022 23:34

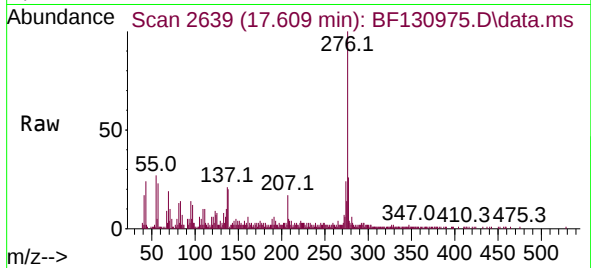
Tgt Ion:278 Resp: 14691
 Ion Ratio Lower Upper
 278 100
 139 46.5 11.9 17.9#
 279 26.4 18.6 28.0





#92
Benzo(g,h,i)perylene
Concen: 7.553 ng
RT: 17.609 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF130975.D
Acq: 03 Nov 2022 23:34

Instrument :
BNA_F
ClientSampleId :
TP-H



Tgt Ion: 276 Resp: 54699
Ion Ratio Lower Upper
276 100
277 25.7 18.8 28.2
138 20.1 16.3 24.5

Manual Integrations
APPROVED

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

