

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110322\
 Data File : BF130969.D
 Acq On : 03 Nov 2022 20:23
 Operator : CG\JU
 Sample : N5395-09
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-6-103122

Manual Integrations
 APPROVED

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

Quant Time: Nov 04 06:22:18 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	85441	20.000	ng	0.00
21) Naphthalene-d8	8.198	136	313803	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	149724	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	220105	20.000	ng	0.00
76) Chrysene-d12	14.104	240	185912	20.000	ng	0.00
86) Perylene-d12	15.609	264	205583	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	546684	110.923	ng	0.00
7) Phenol-d6	6.539	99	699357	109.196	ng	0.00
23) Nitrobenzene-d5	7.481	82	469420	90.201	ng	0.00
42) 2,4,6-Tribromophenol	10.751	330	123247	97.786	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	755872	76.326	ng	0.00
79) Terphenyl-d14	13.045	244	550796	54.290	ng	0.00
Target Compounds						Qvalue
20) 3+4-Methylphenols	7.310	107	14031	2.300	ng	85
71) Phenanthrene	11.474	178	88116	7.756	ng	97
72) Anthracene	11.527	178	23262	2.076	ng	97
75) Fluoranthene	12.668	202	208070	17.238	ng	99
78) Pyrene	12.904	202	183831	11.720	ng	98
81) Benzo(a)anthracene	14.092	228	133594m	10.838	ng	
83) Chrysene	14.127	228	120150	10.106	ng	98
87) Indeno(1,2,3-cd)pyrene	17.133	276	73170	5.360	ng	# 94
88) Benzo(b)fluoranthene	15.162	252	167554m	12.608	ng	
89) Benzo(k)fluoranthene	15.192	252	59178m	4.570	ng	
90) Benzo(a)pyrene	15.545	252	122098	11.429	ng	98
92) Benzo(g,h,i)perylene	17.598	276	65236	5.746	ng	97

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

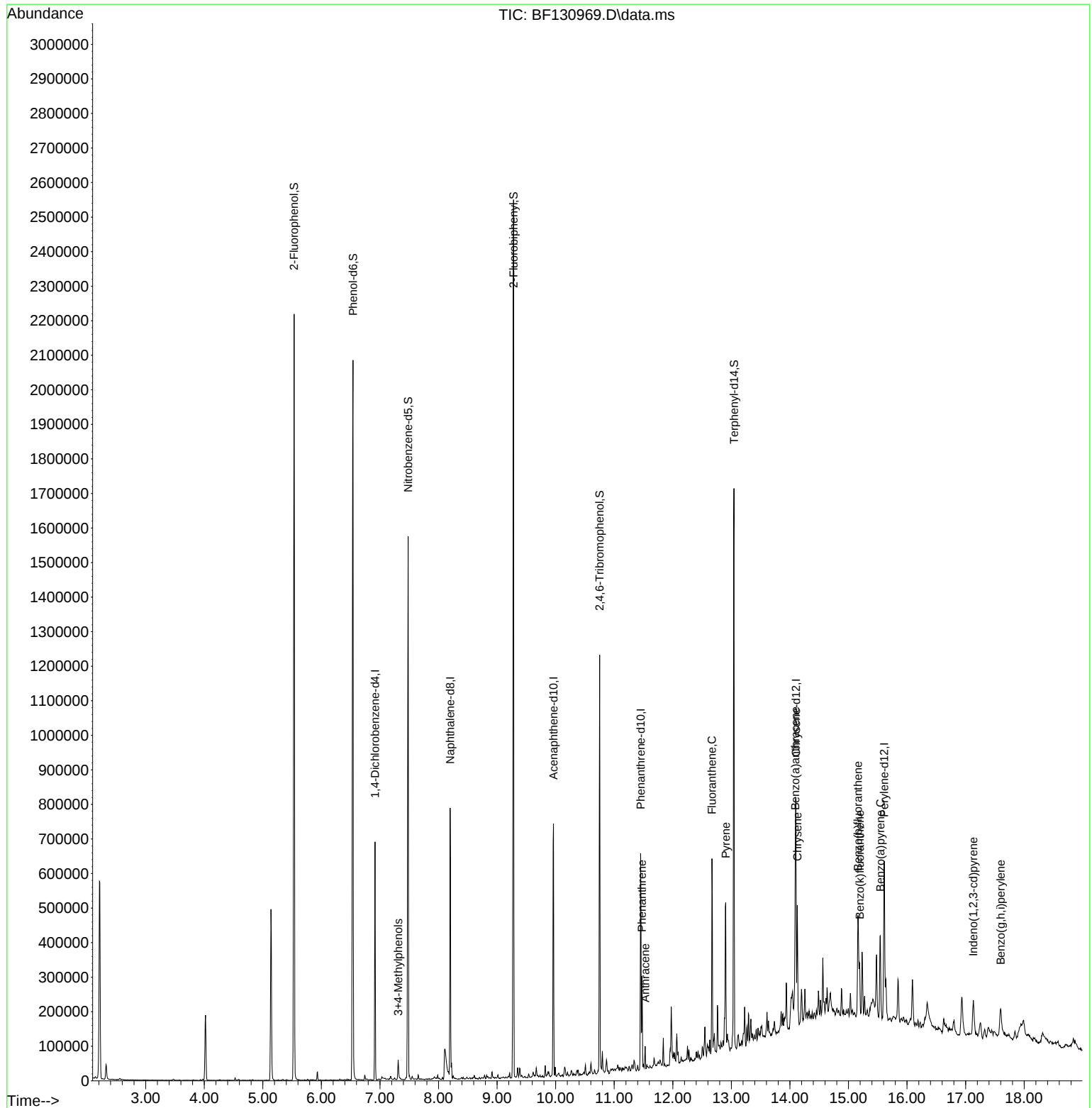
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110322\
Data File : BF130969.D
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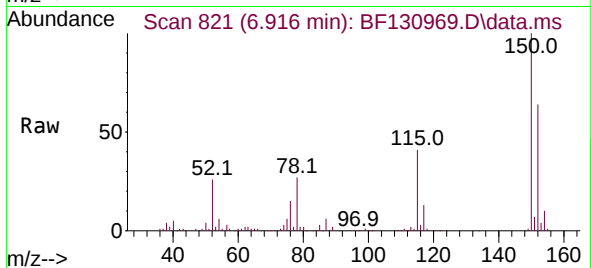
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.916 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23

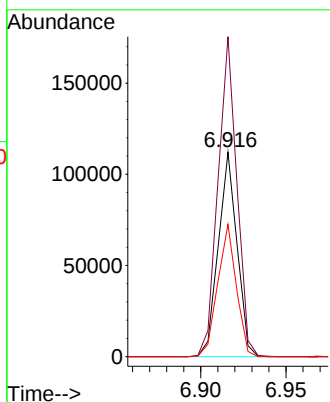
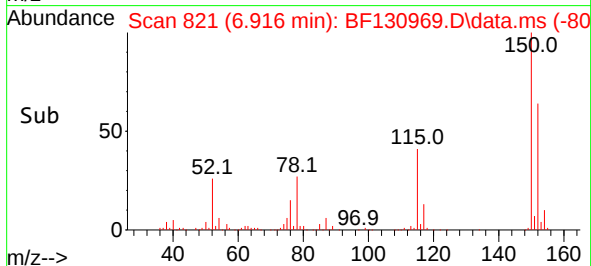
Instrument :
BNA_F
ClientSampleId :
S-6-103122



Tgt Ion:152 Resp: 8544
Ion Ratio Lower Upper
152 100
150 156.6 124.1 186.1
115 64.7 50.1 75.1

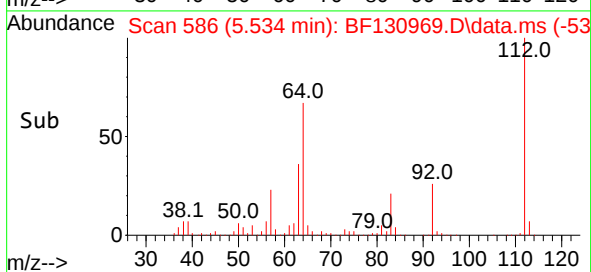
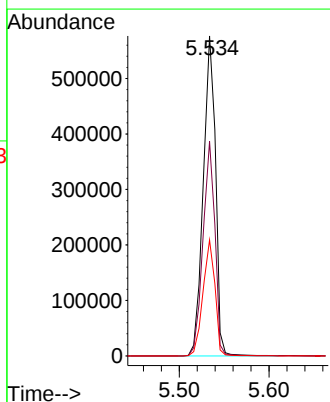
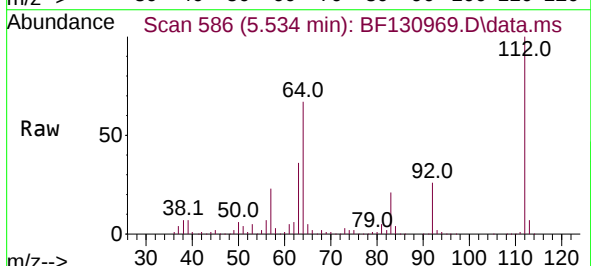
Manual Integrations
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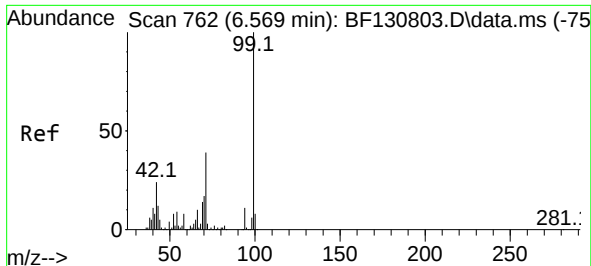
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#5
2-Fluorophenol
Concen: 110.923 ng
RT: 5.534 min Scan# 586
Delta R.T. 0.006 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23

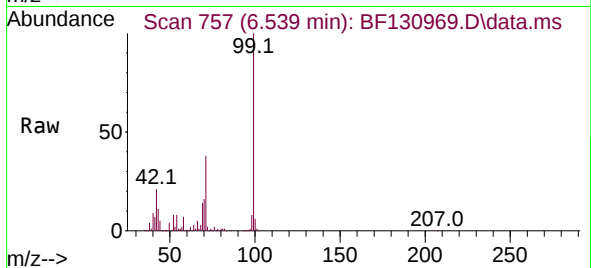
Tgt Ion:112 Resp: 546684
Ion Ratio Lower Upper
112 100
64 67.0 53.9 80.9
63 36.2 29.4 44.2





#7
Phenol-d6
Concen: 109.196 ng
RT: 6.539 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23

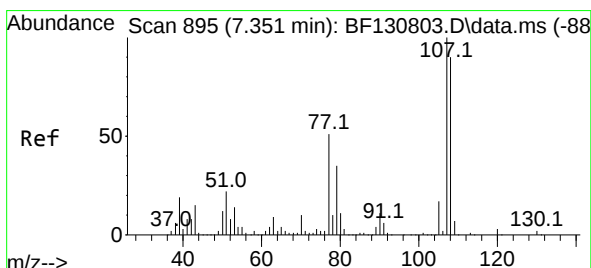
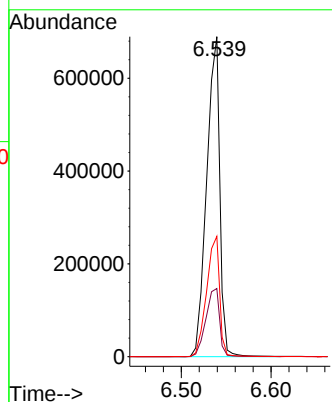
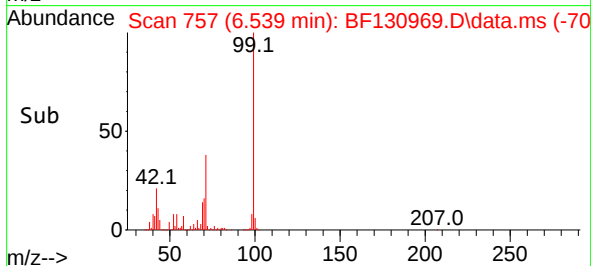
Instrument :
BNA_F
ClientSampleId :
S-6-103122



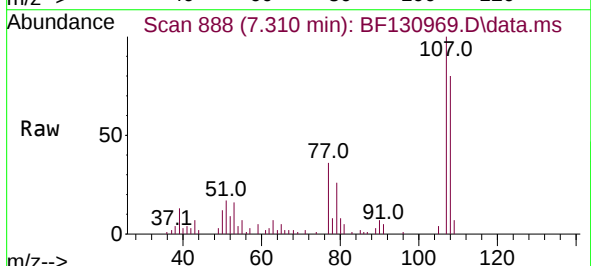
Tgt Ion: 99 Resp: 69935
Ion Ratio Lower Upper
99 100
42 21.3 18.8 28.2
71 37.6 31.4 47.0

Manual Integrations
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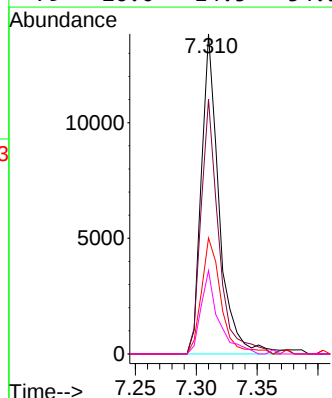
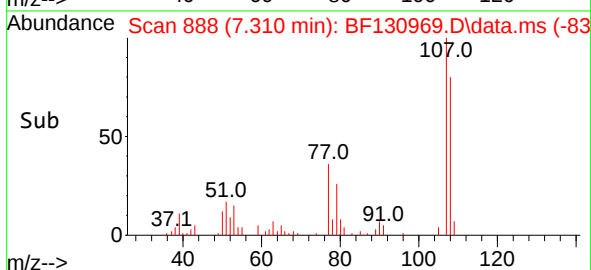
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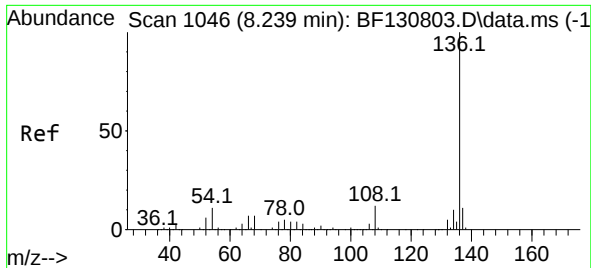


#20
3+4-Methylphenols
Concen: 2.300 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.006 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23



Tgt Ion:107 Resp: 14031
Ion Ratio Lower Upper
107 100
108 79.6 70.4 110.4
77 36.2 31.1 71.1
79 26.0 14.5 54.5





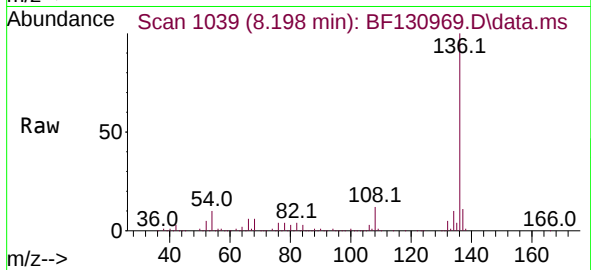
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.198 min Scan# 1046
Delta R.T. -0.006 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23

Instrument :

BNA_F

ClientSampleId :

S-6-103122

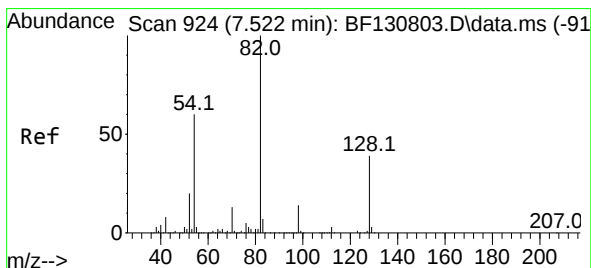
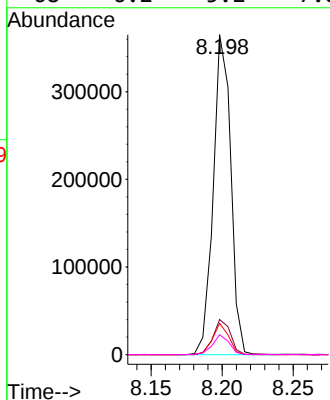
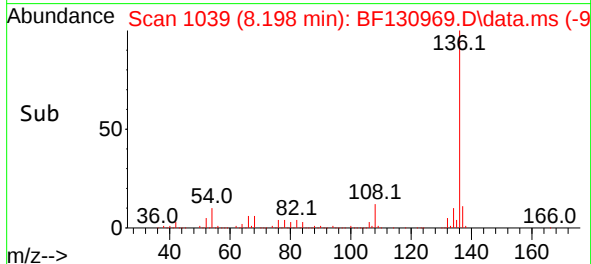


Tgt Ion:136 Resp: 313803
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 9.8 8.8 13.2
68 6.2 5.2 7.8

Manual Integrations

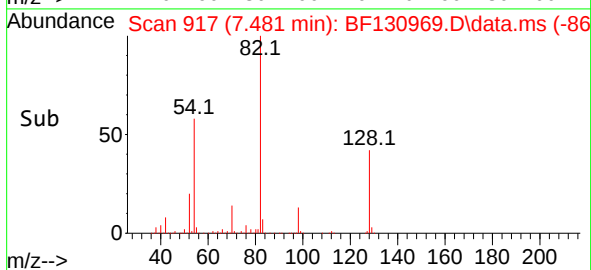
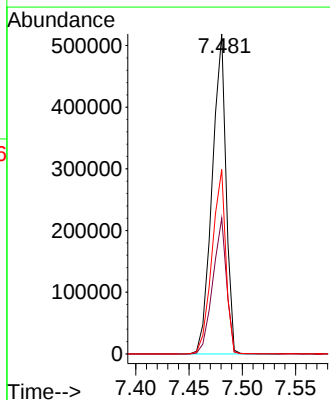
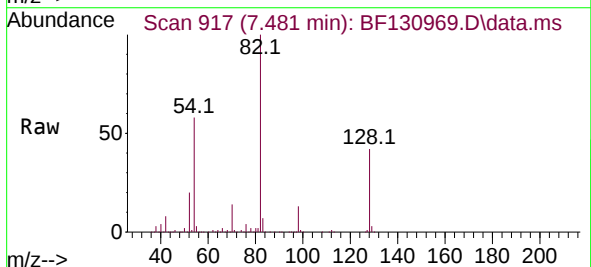
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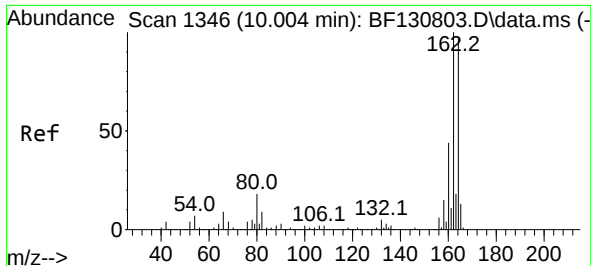
Reviewed By :Christian Giraldo 11/04/2022
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#23
Nitrobenzene-d5
Concen: 90.201 ng
RT: 7.481 min Scan# 917
Delta R.T. -0.006 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23

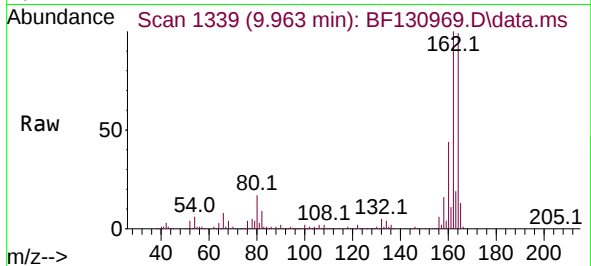
Tgt Ion: 82 Resp: 469420
Ion Ratio Lower Upper
82 100
128 42.4 31.2 46.8
54 57.6 48.0 72.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1346
Delta R.T. -0.000 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23

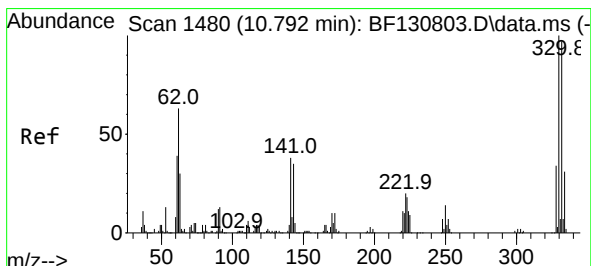
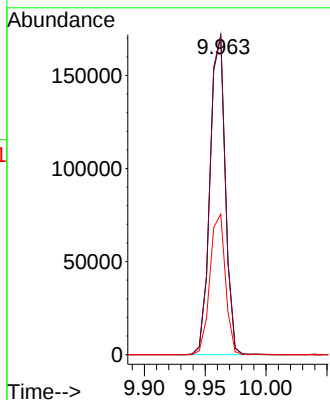
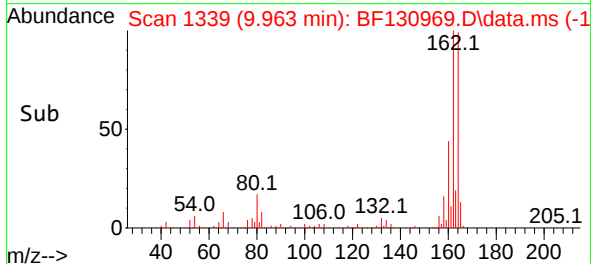
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ClientSampleId :
S-6-103122



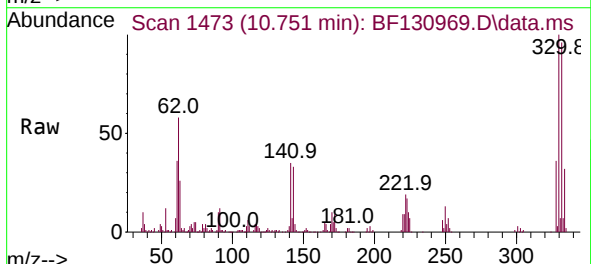
Tgt Ion:164 Resp: 149724
Ion Ratio Lower Upper
164 100
162 100.7 82.2 123.2
160 44.2 36.6 54.8

Manual Integrations
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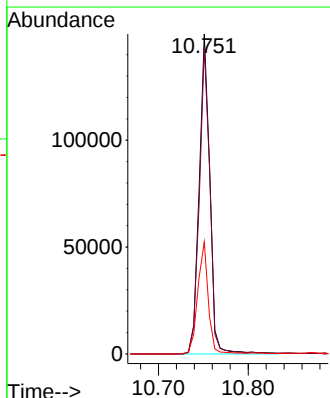
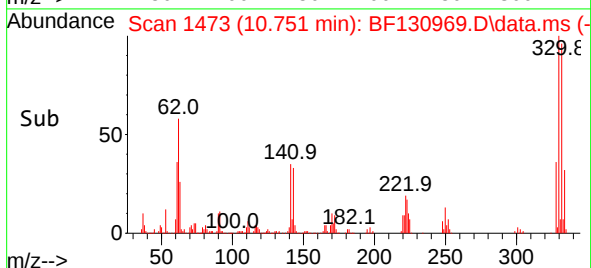
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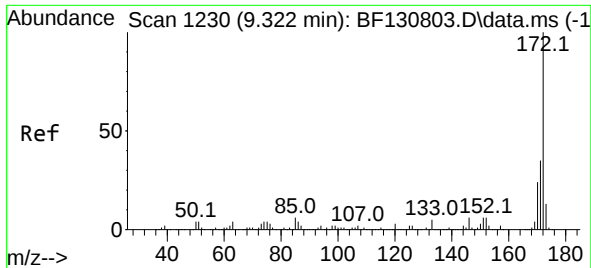


#42
2,4,6-Tribromophenol
Concen: 97.786 ng
RT: 10.751 min Scan# 1473
Delta R.T. -0.006 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23



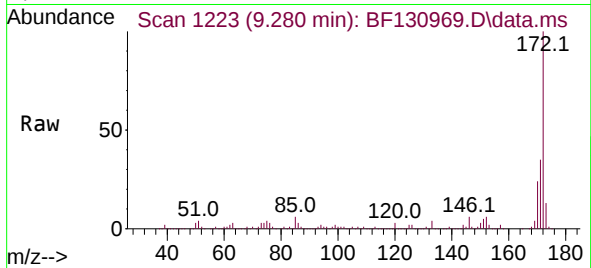
Tgt Ion:330 Resp: 123247
Ion Ratio Lower Upper
330 100
332 94.6 76.2 114.4
141 34.6 31.4 47.0





#45
2-Fluorobiphenyl
Concen: 76.326 ng
RT: 9.280 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23

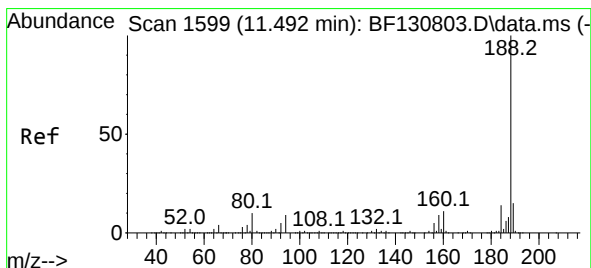
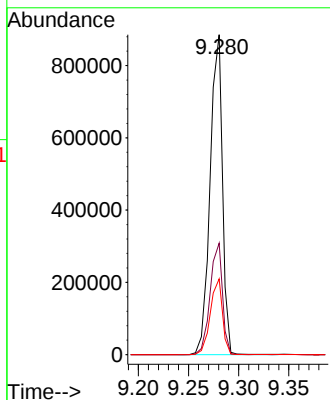
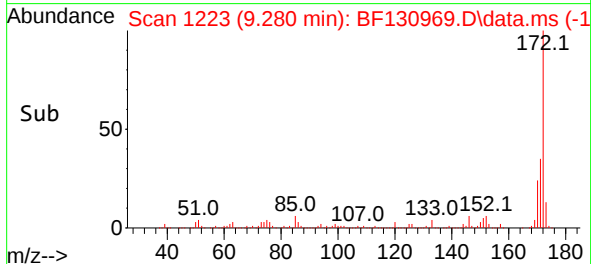
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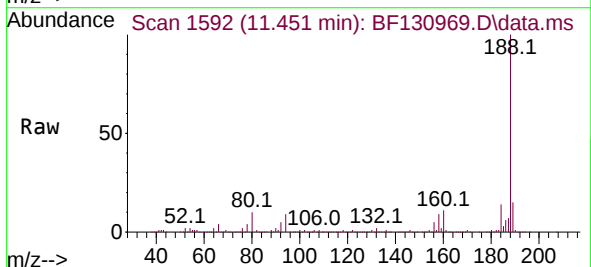
Tgt Ion:172 Resp: 755872
Ion Ratio Lower Upper
172 100
171 34.8 28.1 42.1
170 23.7 19.0 28.4

Manual Integrations
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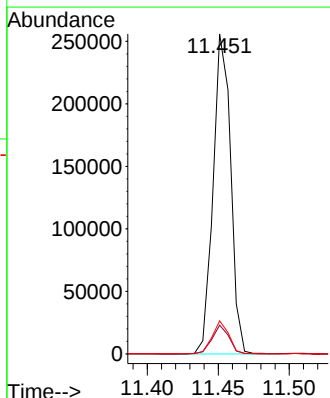
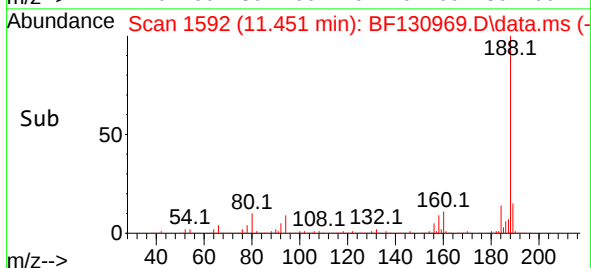
Reviewed By :Christian Giraldo 11/04/2022
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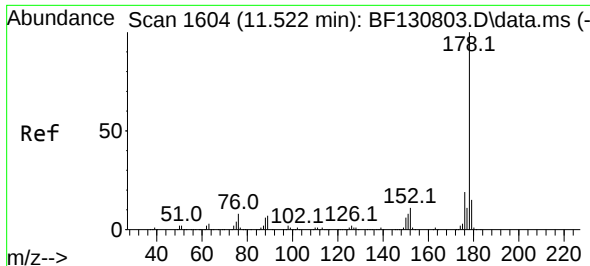


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23



Tgt Ion:188 Resp: 220105
Ion Ratio Lower Upper
188 100
94 9.0 7.4 11.2
80 10.3 8.0 12.0





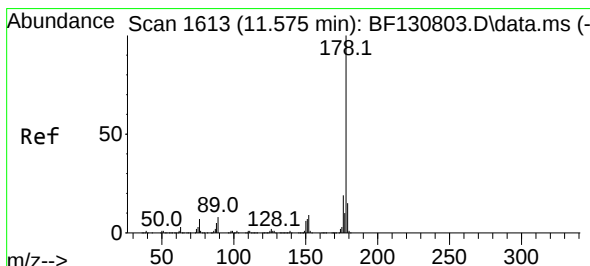
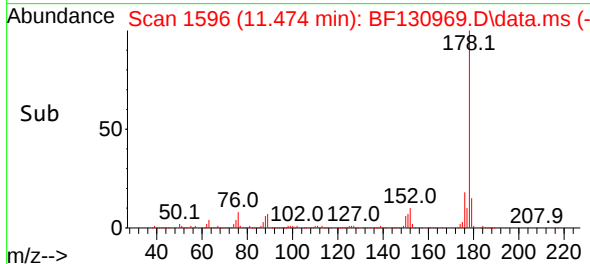
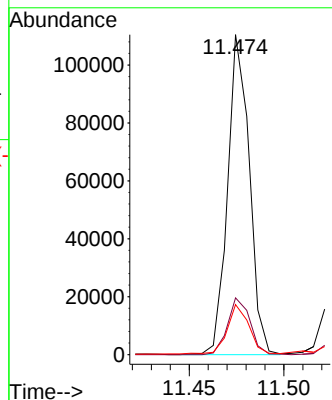
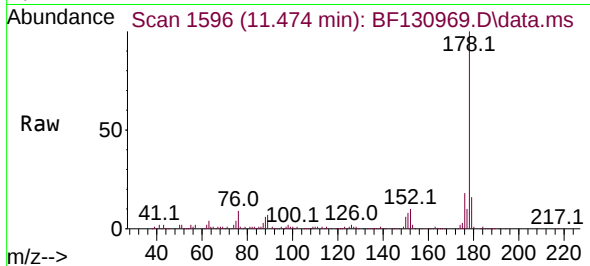
#71
Phenanthrene
Concen: 7.756 ng
RT: 11.474 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23

Instrument :
BNA_F
ClientSampleId :
S-6-103122

Tgt Ion:178 Resp: 88116
Ion Ratio Lower Upper
178 100
176 17.8 15.5 23.3
179 15.6 12.2 18.2

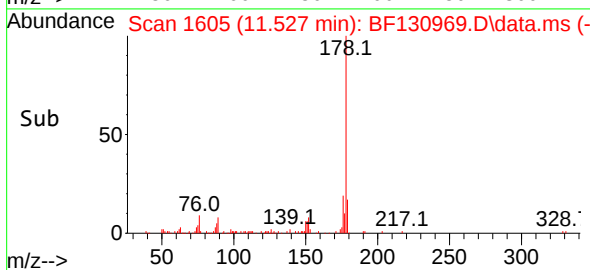
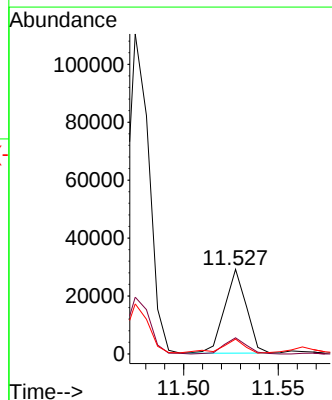
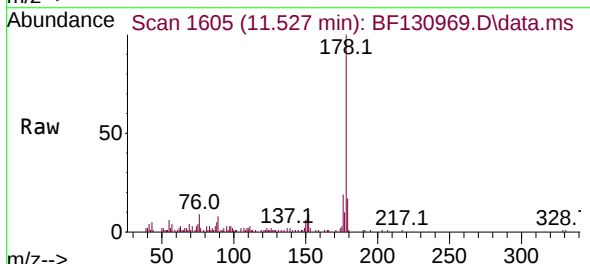
Manual Integrations
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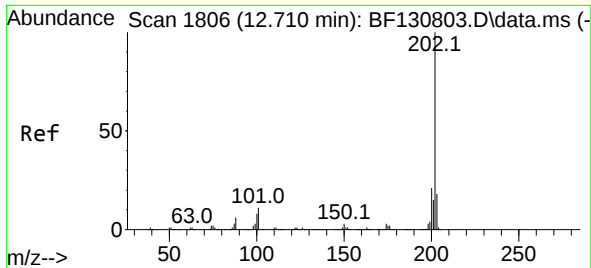
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#72
Anthracene
Concen: 2.076 ng
RT: 11.527 min Scan# 1605
Delta R.T. -0.006 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23

Tgt Ion:178 Resp: 23262
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 17.4 12.2 18.4





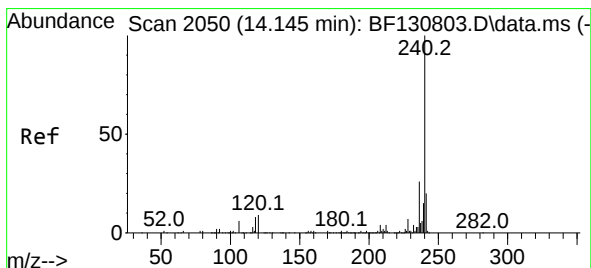
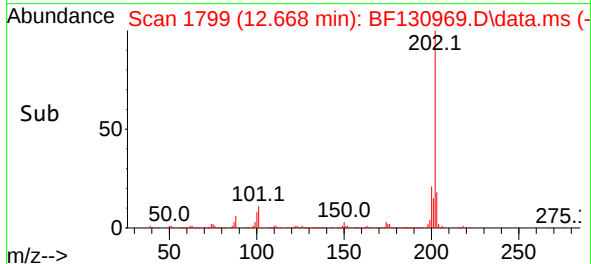
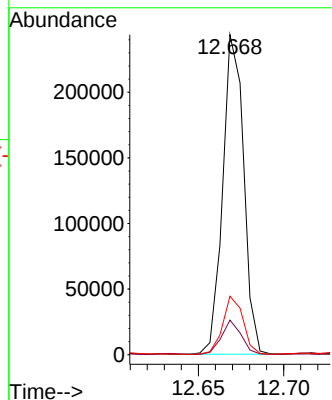
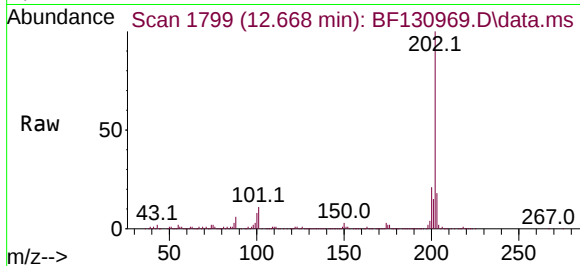
#75
Fluoranthene
Concen: 17.238 ng
RT: 12.668 min Scan# 1799
Delta R.T. -0.006 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23

Instrument :
BNA_F
ClientSampleId :
S-6-103122

Tgt Ion:202 Resp: 208070
Ion Ratio Lower Upper
202 100
101 10.8 0.0 30.9
203 18.2 0.0 37.7

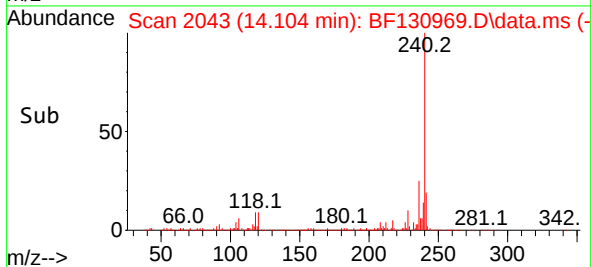
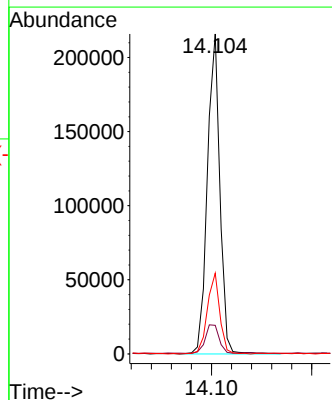
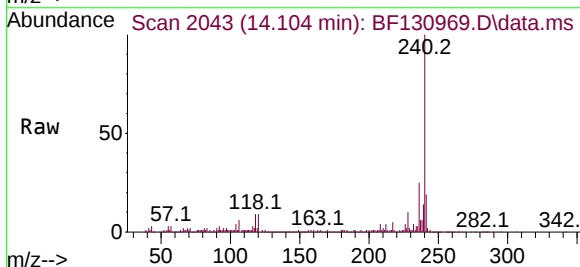
Manual Integrations
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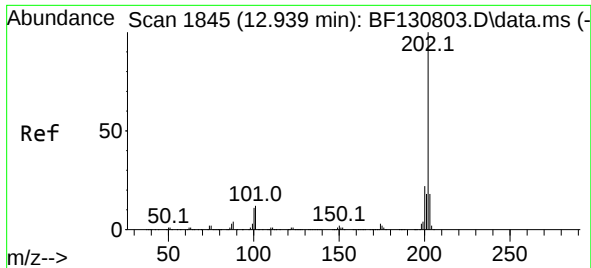
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.104 min Scan# 2043
Delta R.T. -0.000 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23

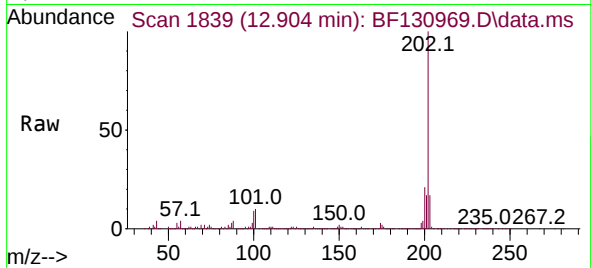
Tgt Ion:240 Resp: 185912
Ion Ratio Lower Upper
240 100
120 9.0 7.0 10.4
236 25.2 20.5 30.7





#78
Pyrene
Concen: 11.720 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.000 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23

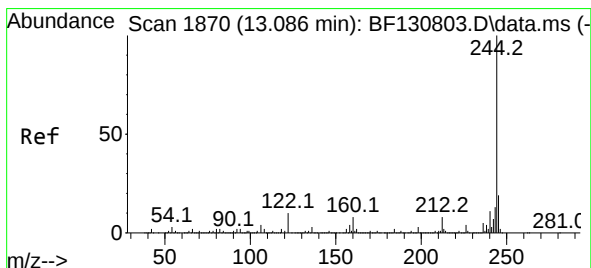
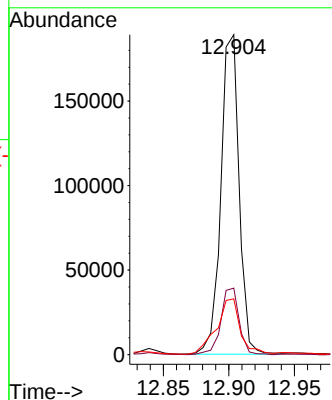
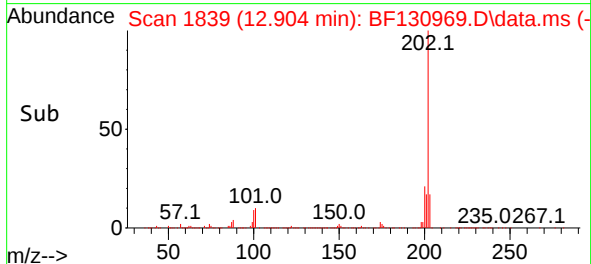
Instrument :
BNA_F
ClientSampleId :
S-6-103122



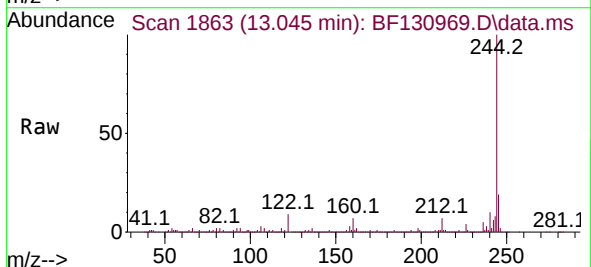
Tgt Ion:202 Resp: 18383
Ion Ratio Lower Upper
202 100
200 20.8 17.2 25.8
203 17.4 14.5 21.7

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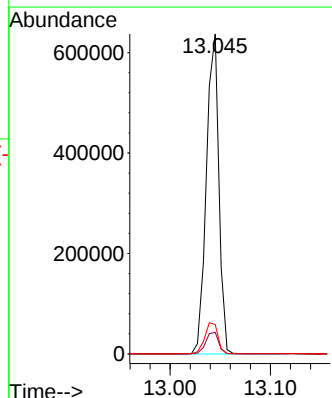
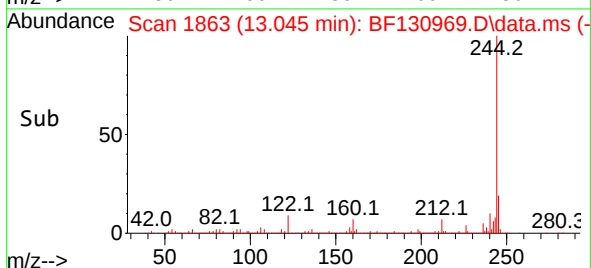
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022

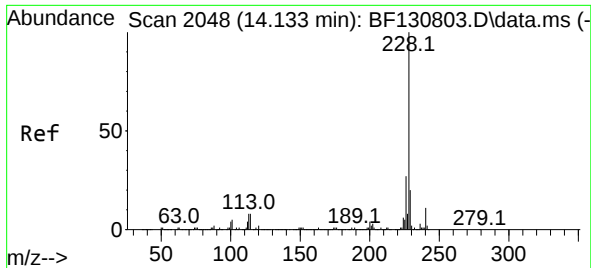


#79
Terphenyl-d14
Concen: 54.290 ng
RT: 13.045 min Scan# 1863
Delta R.T. -0.000 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23



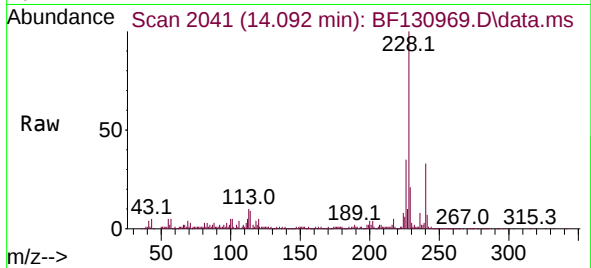
Tgt Ion:244 Resp: 550796
Ion Ratio Lower Upper
244 100
212 6.7 6.2 9.2
122 9.2 7.9 11.9





#81
Benzo(a)anthracene
Concen: 10.838 ng m
RT: 14.092 min Scan# 2041
Delta R.T. -0.006 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23

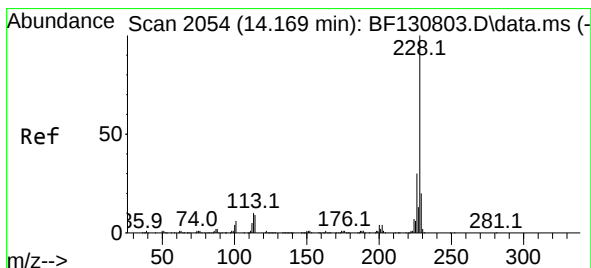
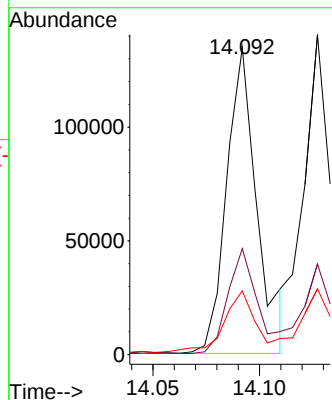
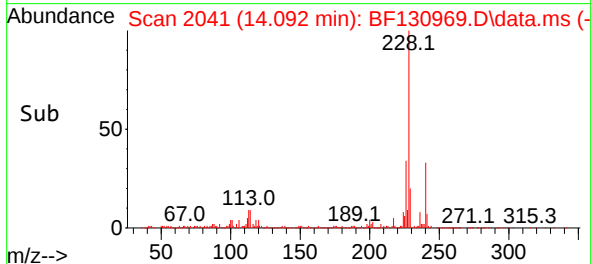
Instrument :
BNA_F
ClientSampleId :
S-6-103122



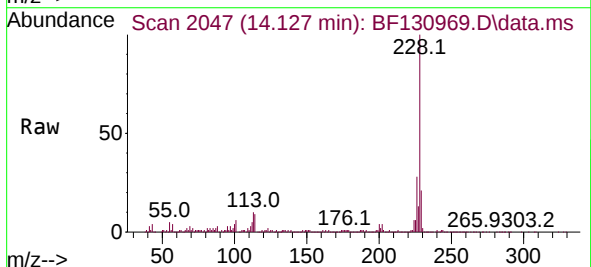
Tgt Ion:228 Resp: 133594
Ion Ratio Lower Upper
228 100
226 34.5 21.4 32.2
229 20.8 15.8 23.6

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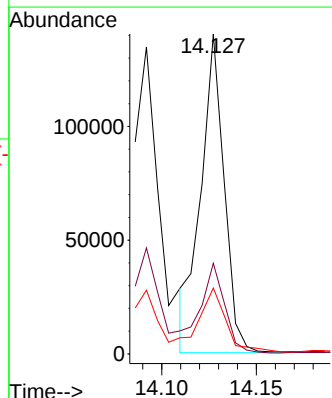
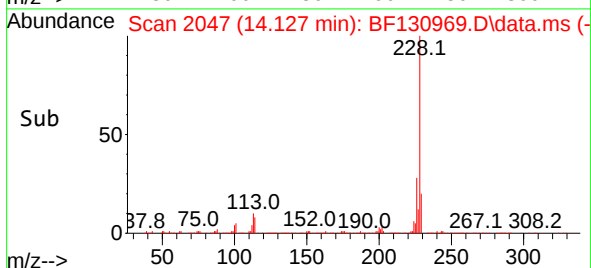
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022

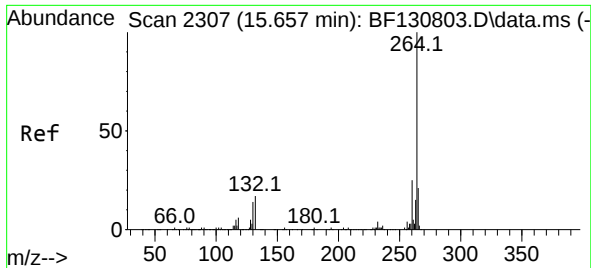


#83
Chrysene
Concen: 10.106 ng
RT: 14.127 min Scan# 2047
Delta R.T. -0.006 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23



Tgt Ion:228 Resp: 120150
Ion Ratio Lower Upper
228 100
226 28.3 23.9 35.9
229 20.6 15.8 23.6





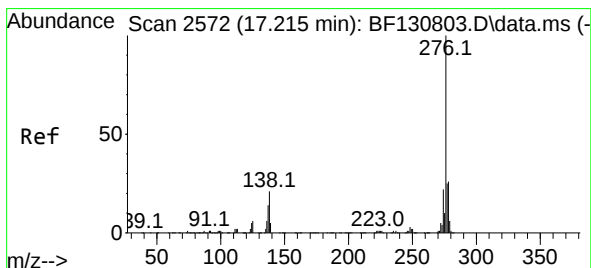
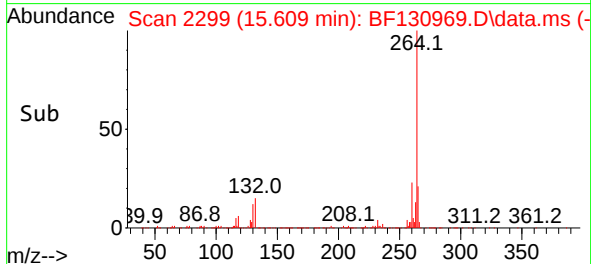
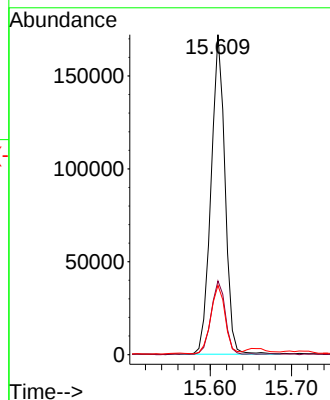
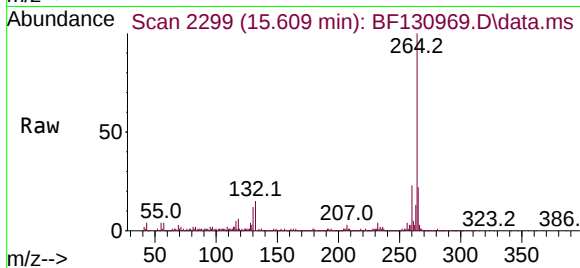
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.609 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23

Instrument :
BNA_F
ClientSampleId :
S-6-103122

Tgt Ion:264 Resp: 205583
Ion Ratio Lower Upper
264 100
260 23.0 19.9 29.9
265 21.6 17.0 25.6

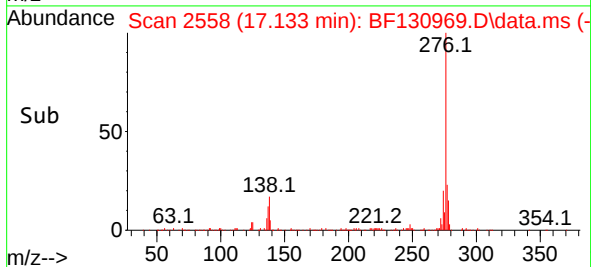
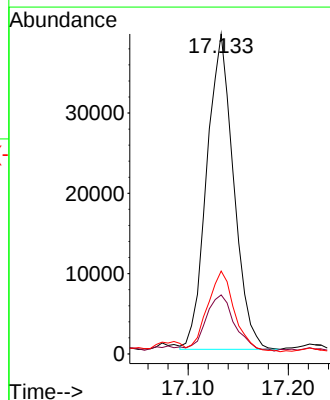
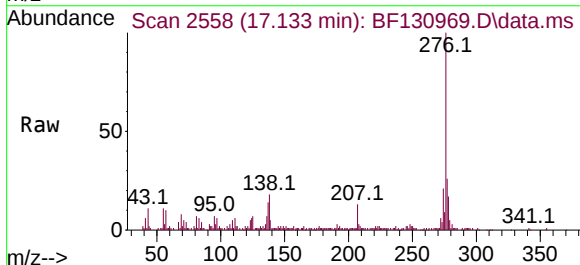
Manual Integrations
APPROVED

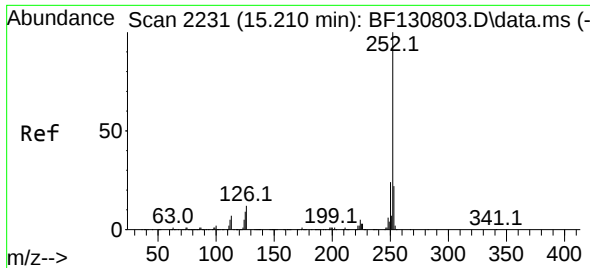
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.360 ng
RT: 17.133 min Scan# 2558
Delta R.T. -0.012 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23

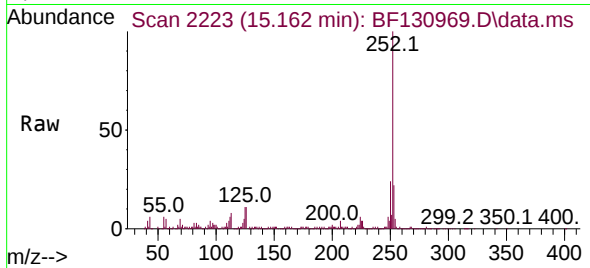
Tgt Ion:276 Resp: 73170
Ion Ratio Lower Upper
276 100
138 19.1 19.1 28.7#
277 25.9 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 12.608 ng m
RT: 15.162 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23

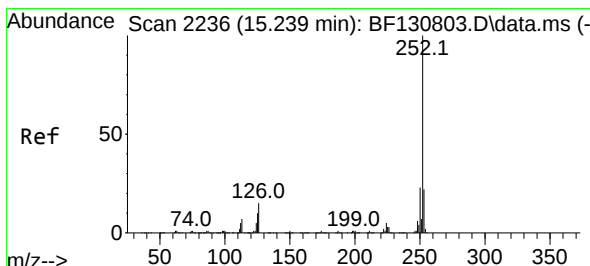
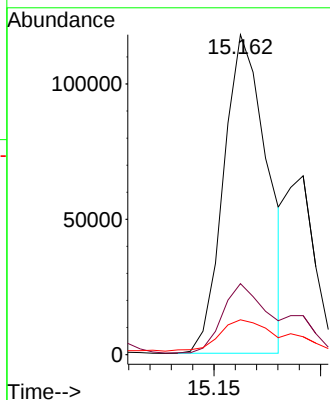
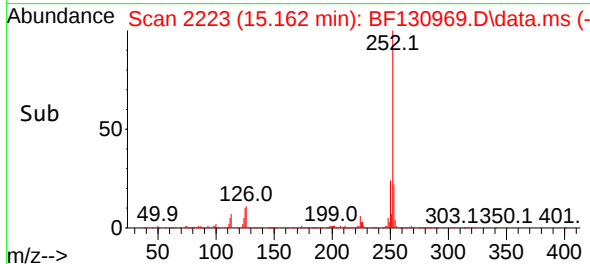
Instrument :
BNA_F
ClientSampleId :
S-6-103122



Tgt Ion:252 Resp: 167554
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 10.9 7.0 10.4

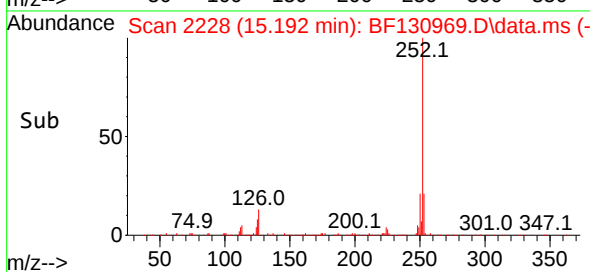
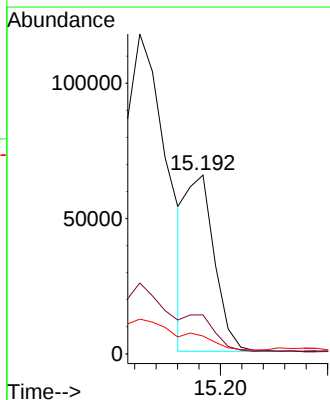
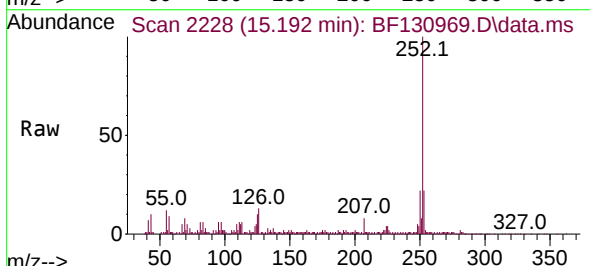
Manual Integrations
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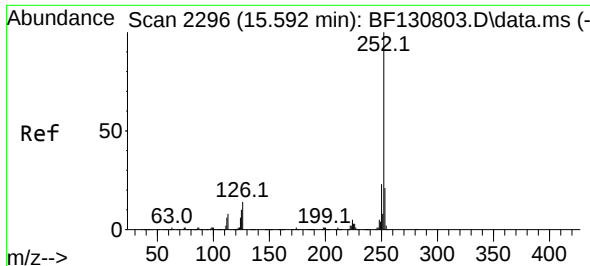
Reviewed By :Christian Giraldo 11/04/2022
Supervised By :Sohil Jodhani 11/04/2022



#89
Benzo(k)fluoranthene
Concen: 4.570 ng m
RT: 15.192 min Scan# 2228
Delta R.T. -0.006 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23

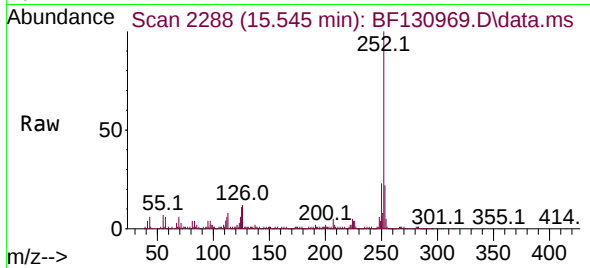
Tgt Ion:252 Resp: 59178
Ion Ratio Lower Upper
252 100
253 21.8 17.5 26.3
125 10.0 8.0 12.0





#90
Benzo(a)pyrene
Concen: 11.429 ng
RT: 15.545 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23

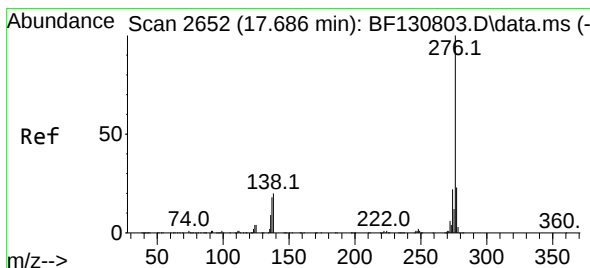
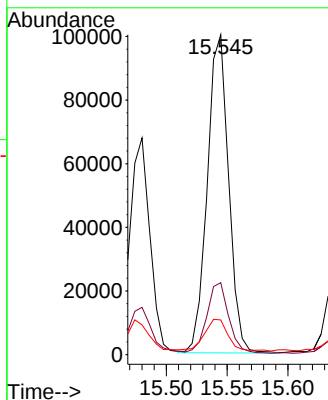
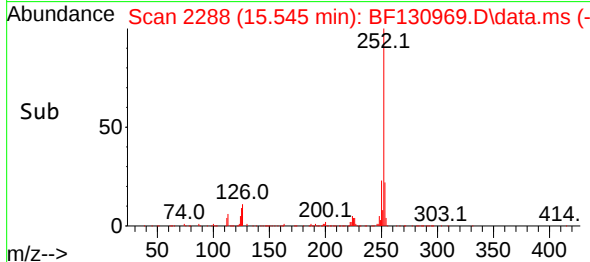
Instrument :
BNA_F
ClientSampleId :
S-6-103122



Tgt Ion:252 Resp: 122098
Ion Ratio Lower Upper
252 100
253 22.5 16.8 25.2
125 10.8 8.3 12.5

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 5.746 ng
RT: 17.598 min Scan# 2637
Delta R.T. -0.012 min
Lab File: BF130969.D
Acq: 03 Nov 2022 20:23

Tgt Ion:276 Resp: 65236
Ion Ratio Lower Upper
276 100
277 24.7 18.8 28.2
138 18.3 16.3 24.5

