

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010623\
 Data File : BF131952.D
 Acq On : 06 Jan 2023 21:12
 Operator : CG\JU
 Sample : N6244-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-14

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 01/09/2023
 Supervised By :mohammad ahmed 01/09/2023

Quant Time: Jan 07 00:26:05 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 23:58:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	62050	20.000	ng	0.00
21) Naphthalene-d8	8.086	136	205862	20.000	ng	0.00
39) Acenaphthene-d10	9.845	164	97559	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	155825	20.000	ng	# 0.00
76) Chrysene-d12	14.015	240	118810	20.000	ng	# 0.02
86) Perylene-d12	15.492	264	92017	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	243796	65.113	ng	0.00
7) Phenol-d6	6.434	99	324084	65.881	ng	0.00
23) Nitrobenzene-d5	7.363	82	240258	46.597	ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	61664	58.175	ng	0.00
45) 2-Fluorobiphenyl	9.169	172	380431	53.413	ng	0.00
79) Terphenyl-d14	12.945	244	332525	47.342	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.369	178	44514	5.195	ng	# 92
75) Fluoranthene	12.574	202	89858	9.003	ng	94
78) Pyrene	12.804	202	84577	8.493	ng	# 94
81) Benzo(a)anthracene	14.004	228	37498	4.359	ng	# 83
83) Chrysene	14.039	228	38917m	4.814	ng	
84) Bis(2-ethylhexyl)phtha...	13.986	149	83912	18.658	ng	97
87) Indeno(1,2,3-cd)pyrene	16.968	276	19455	3.328	ng	96
88) Benzo(b)fluoranthene	15.062	252	44589m	6.609	ng	
90) Benzo(a)pyrene	15.427	252	27576	5.279	ng	# 53
92) Benzo(g,h,i)perylene	17.415	276	35020	10.755	ng	# 92

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

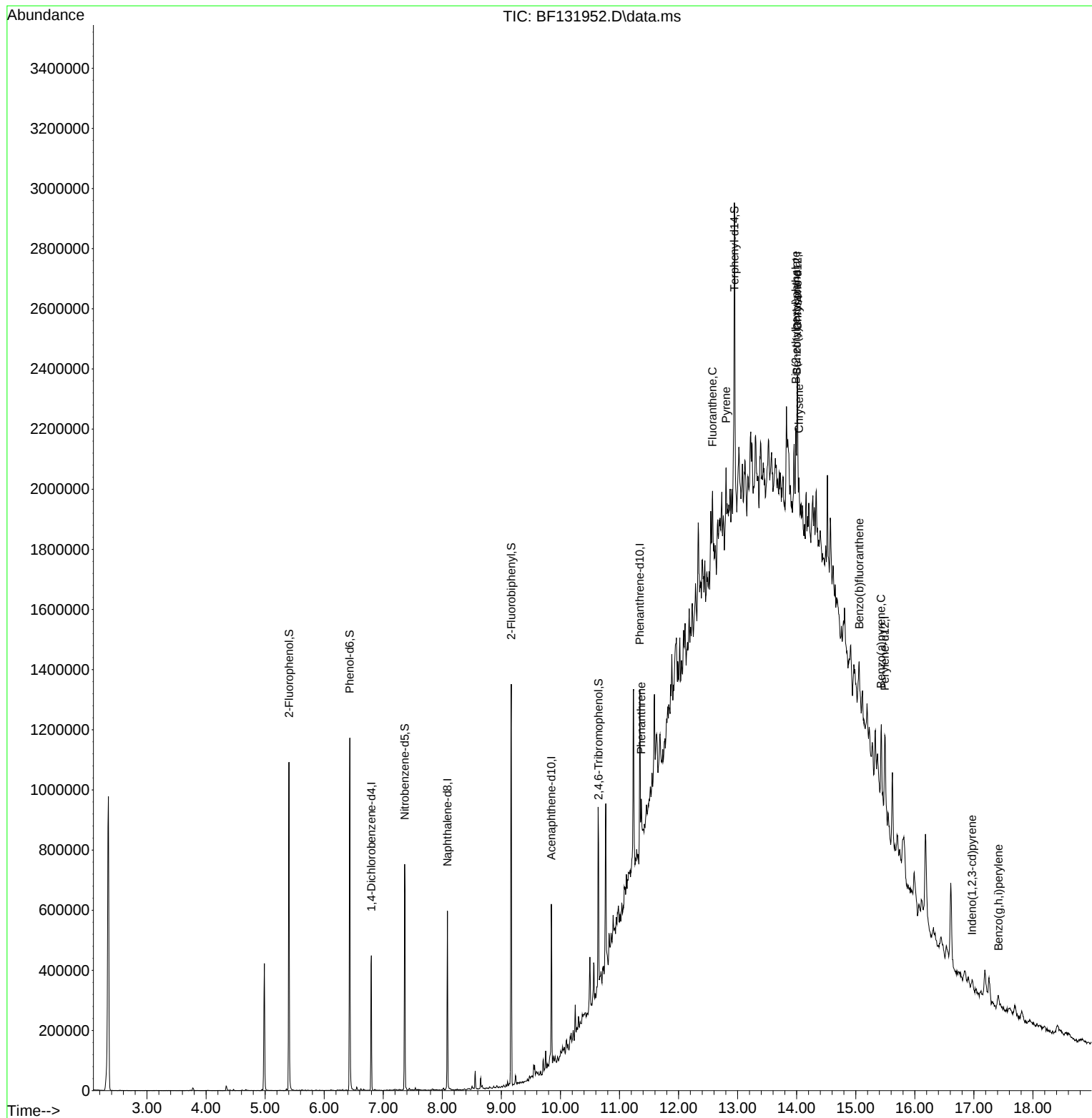
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010623\
Data File : BF131952.D
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ALS Vial : 19 Sample Multiplier: 1

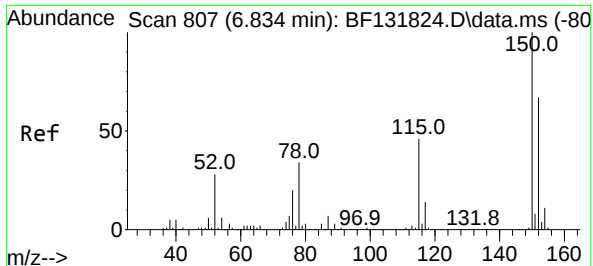
Instrument :
BNA_F
ClientSampleId :
PE-14

Quant Time: Jan 07 00:26:05 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122422.M
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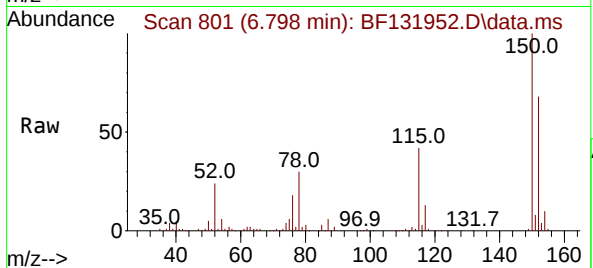
Reviewed By : Christian Giraldo 01/09/2023
Supervised By : mohammad ahmed 01/09/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 807
Delta R.T. 0.000 min
Lab File: BF131952.D
Acq: 06 Jan 2023 21:12

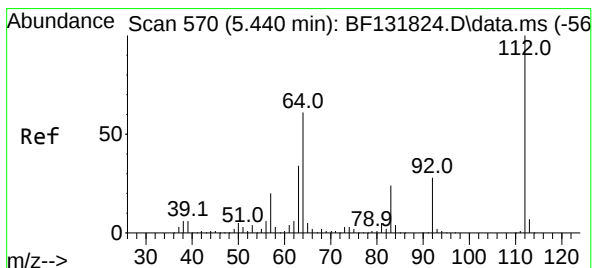
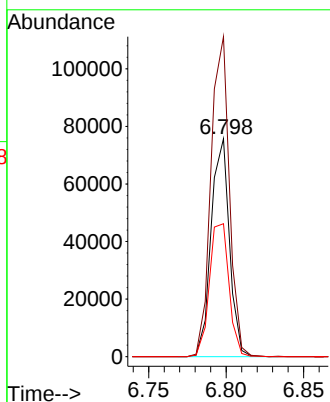
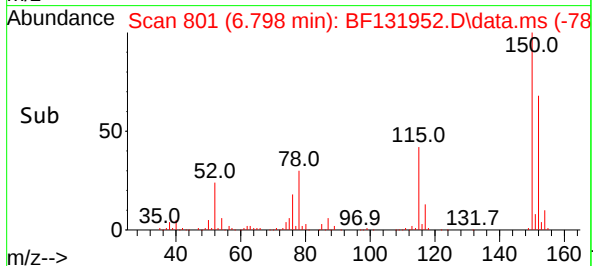
Instrument :
BNA_F
ClientSampleId :
PE-14



Tgt Ion:152 Resp: 62050
Ion Ratio Lower Upper
152 100
150 146.8 120.0 180.0
115 61.0 55.1 82.7

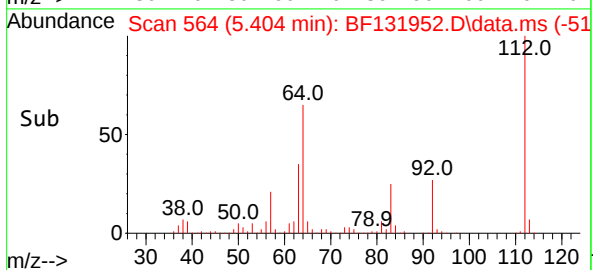
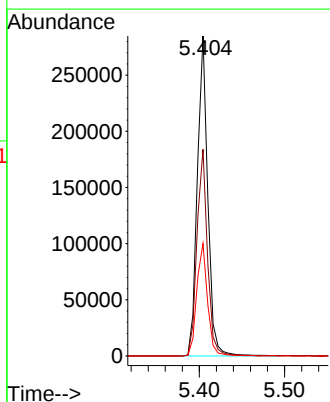
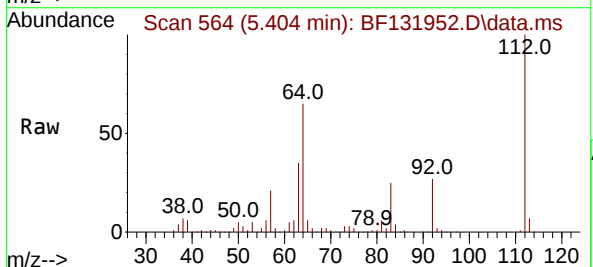
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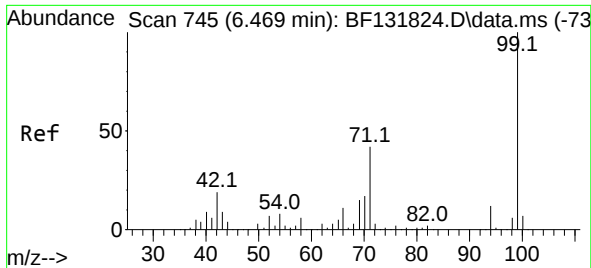
Reviewed By :Christian Giraldo 01/09/2023
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#5
2-Fluorophenol
Concen: 65.113 ng
RT: 5.404 min Scan# 564
Delta R.T. 0.006 min
Lab File: BF131952.D
Acq: 06 Jan 2023 21:12

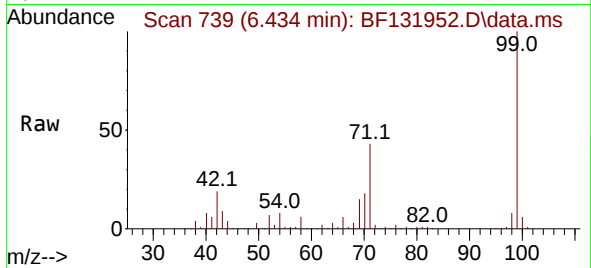
Tgt Ion:112 Resp: 243796
Ion Ratio Lower Upper
112 100
64 64.6 49.2 73.8
63 35.1 27.5 41.3





#7
Phenol-d6
Concen: 65.881 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131952.D
Acq: 06 Jan 2023 21:12

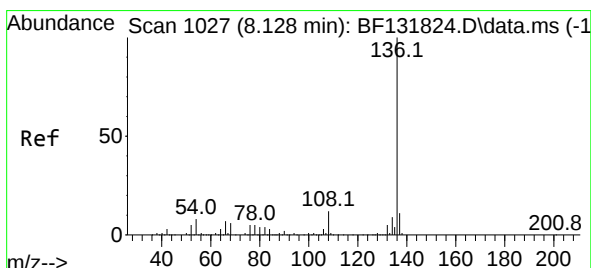
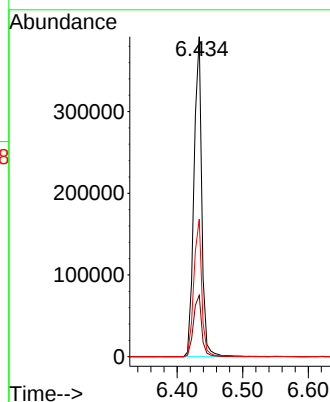
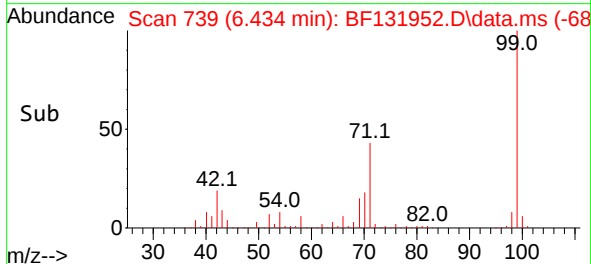
Instrument :
BNA_F
ClientSampleId :
PE-14



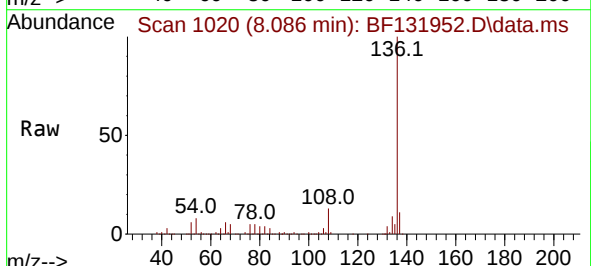
Tgt Ion: 99 Resp: 324084
Ion Ratio Lower Upper
99 100
42 19.1 15.3 22.9
71 43.0 33.5 50.3

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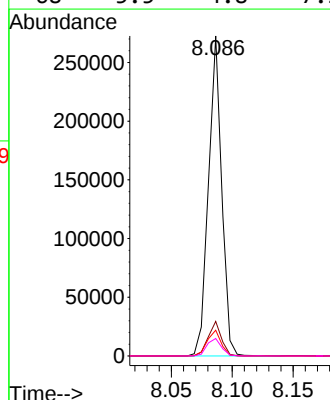
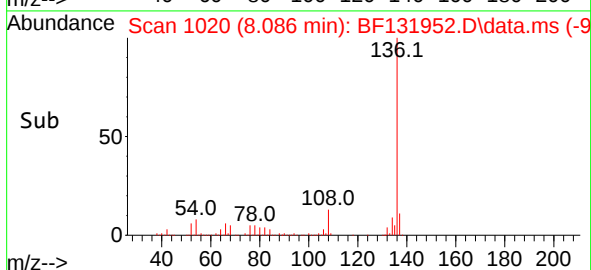
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023

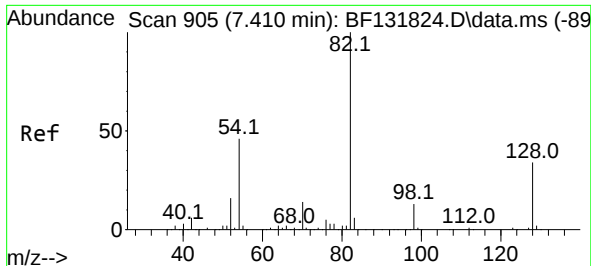


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.086 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF131952.D
Acq: 06 Jan 2023 21:12



Tgt Ion:136 Resp: 205862
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 8.0 6.7 10.1
68 5.5 4.8 7.2





#23

Nitrobenzene-d5

Concen: 46.597 ng

RT: 7.363 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF131952.D

Acq: 06 Jan 2023 21:12

Instrument :

BNA_F

ClientSampleId :

PE-14

Tgt Ion: 82 Resp: 240258

Ion Ratio Lower Upper

82 100

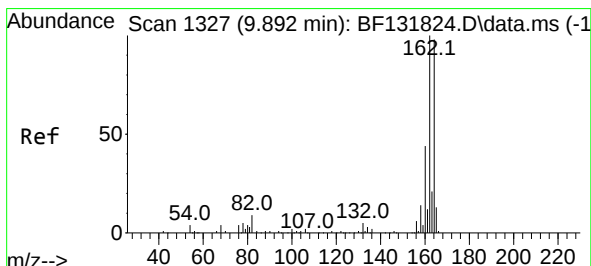
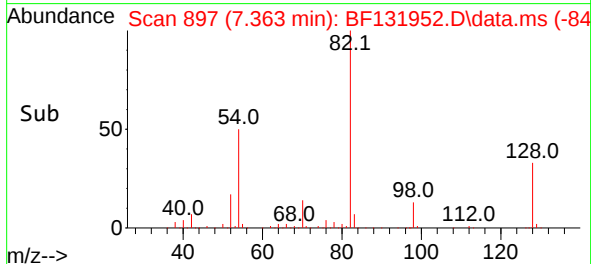
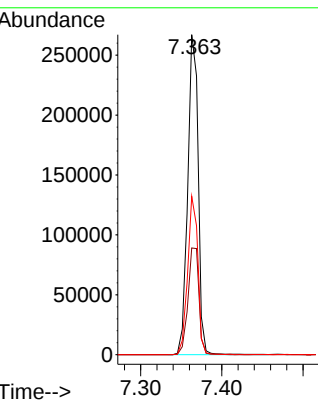
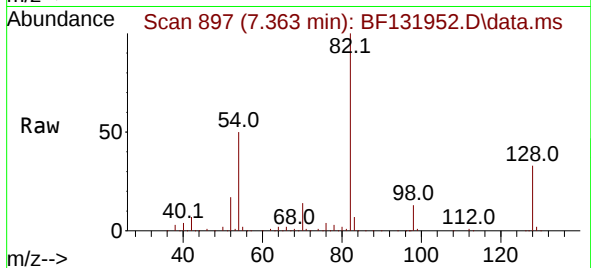
128 33.3 27.1 40.7

54 49.5 37.0 55.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.845 min Scan# 1319

Delta R.T. -0.006 min

Lab File: BF131952.D

Acq: 06 Jan 2023 21:12

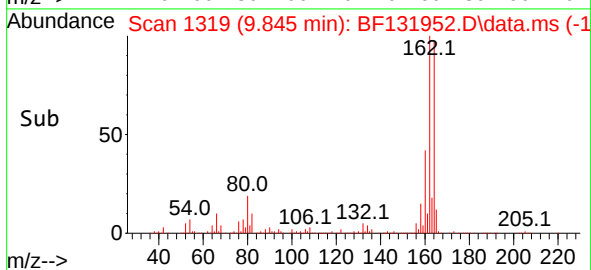
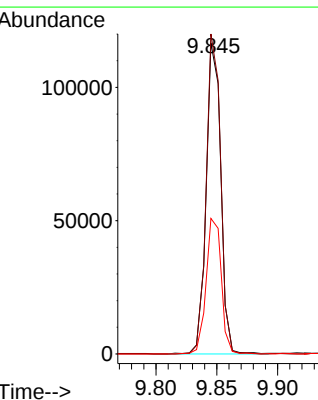
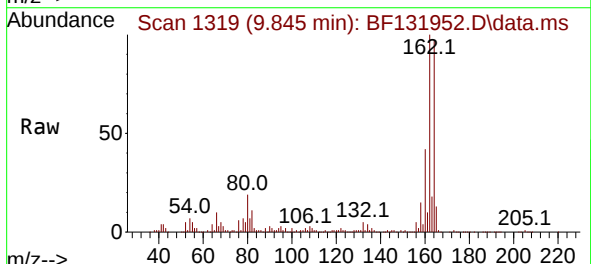
Tgt Ion:164 Resp: 97559

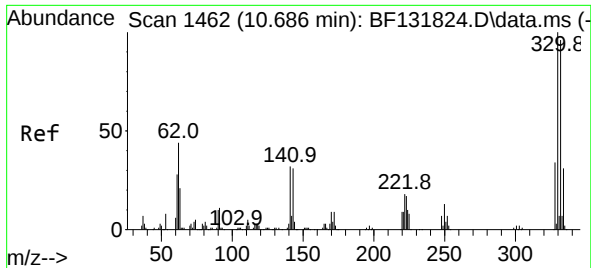
Ion Ratio Lower Upper

164 100

162 102.9 81.8 122.6

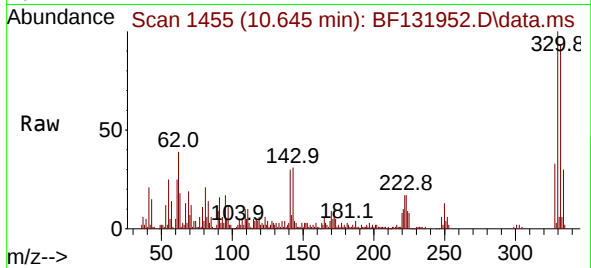
160 43.6 35.7 53.5





#42
2,4,6-Tribromophenol
Concen: 58.175 ng
RT: 10.645 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BF131952.D
Acq: 06 Jan 2023 21:12

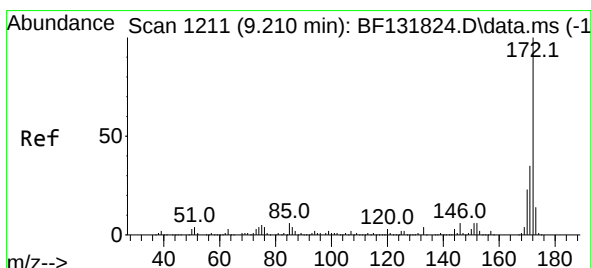
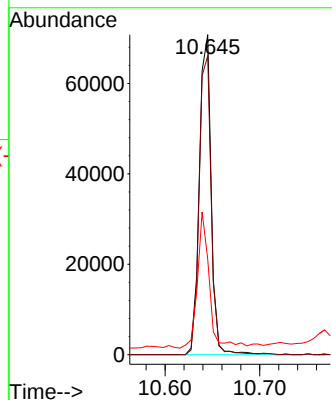
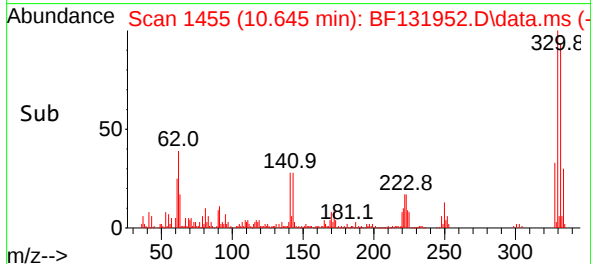
Instrument :
BNA_F
ClientSampleId :
PE-14



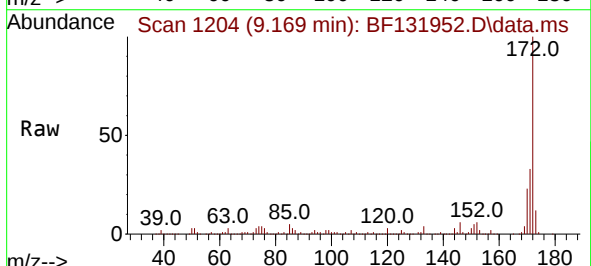
Tgt Ion: 330 Resp: 61664
Ion Ratio Lower Upper
330 100
332 94.8 77.0 115.4
141 42.5 31.0 46.4

Manual Integrations
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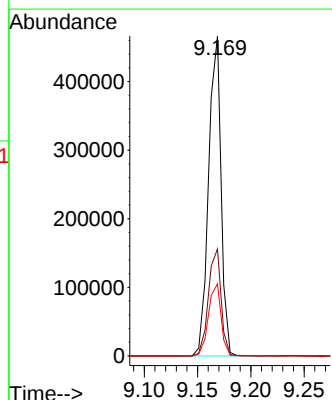
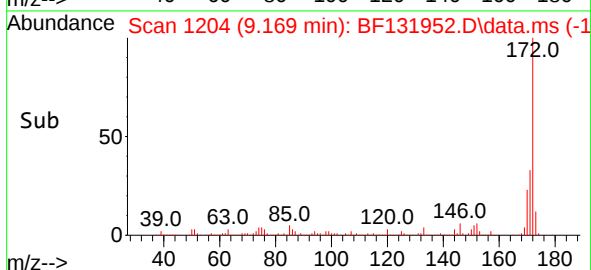
Reviewed By : Christian Giraldo 01/09/2023
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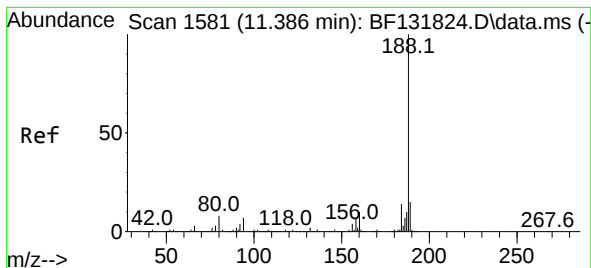


#45
2-Fluorobiphenyl
Concen: 53.413 ng
RT: 9.169 min Scan# 1204
Delta R.T. -0.000 min
Lab File: BF131952.D
Acq: 06 Jan 2023 21:12



Tgt Ion: 172 Resp: 380431
Ion Ratio Lower Upper
172 100
171 33.4 27.9 41.9
170 22.5 18.7 28.1





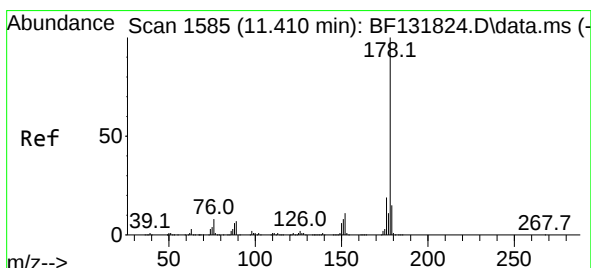
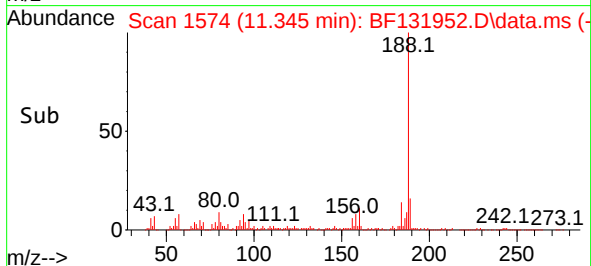
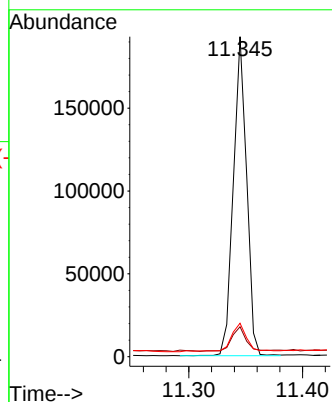
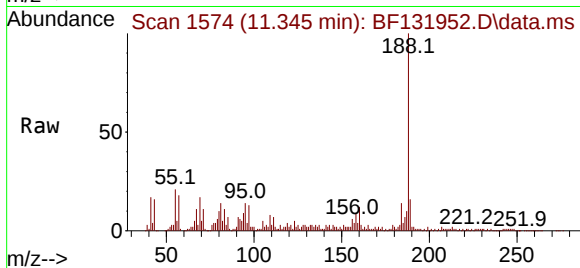
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF131952.D
Acq: 06 Jan 2023 21:12

Instrument :
BNA_F
ClientSampleId :
PE-14

Tgt Ion:188 Resp: 155829
Ion Ratio Lower Upper
188 100
94 9.3 5.8 8.6
80 10.5 6.7 10.1

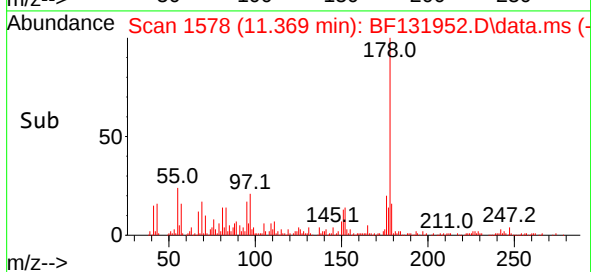
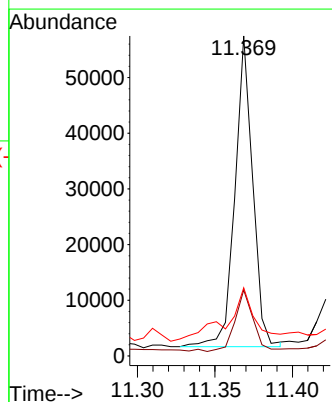
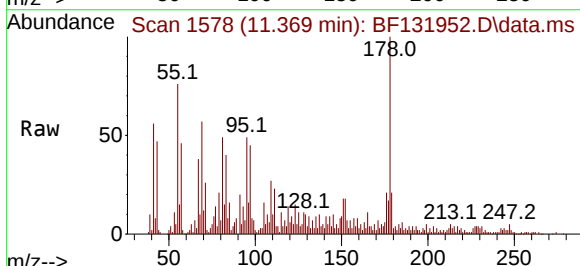
Manual Integrations
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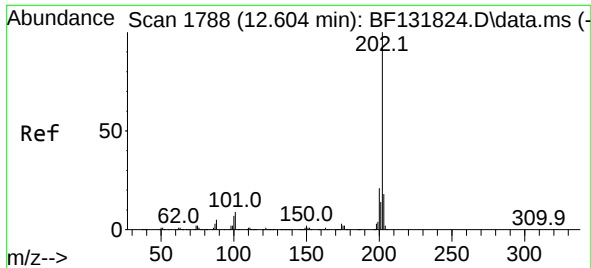
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023



#71
Phenanthrene
Concen: 5.195 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF131952.D
Acq: 06 Jan 2023 21:12

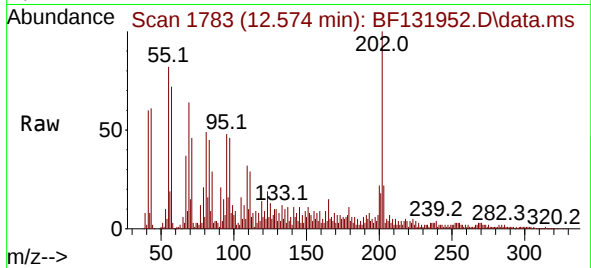
Tgt Ion:178 Resp: 44514
Ion Ratio Lower Upper
178 100
176 20.6 15.5 23.3
179 21.3 12.2 18.4





#75
Fluoranthene
Concen: 9.003 ng
RT: 12.574 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF131952.D
Acq: 06 Jan 2023 21:12

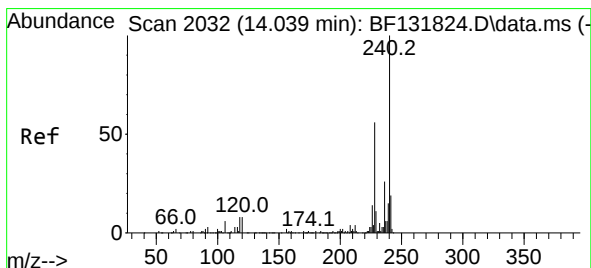
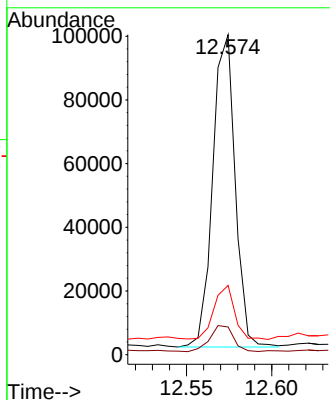
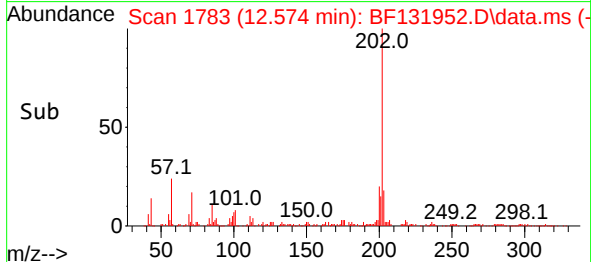
Instrument :
BNA_F
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PE-14



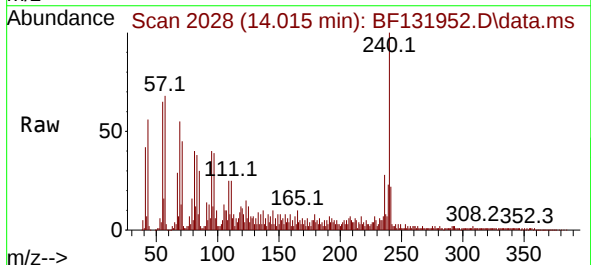
Tgt Ion:202 Resp: 8985
Ion Ratio Lower Upper
202 100
101 8.6 0.0 28.6
203 21.7 0.0 37.8

Manual Integrations
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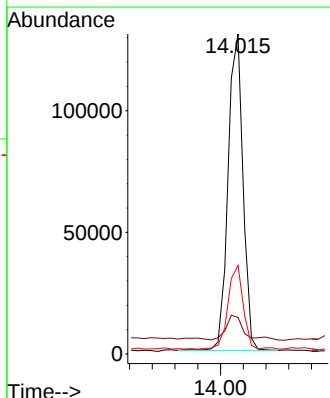
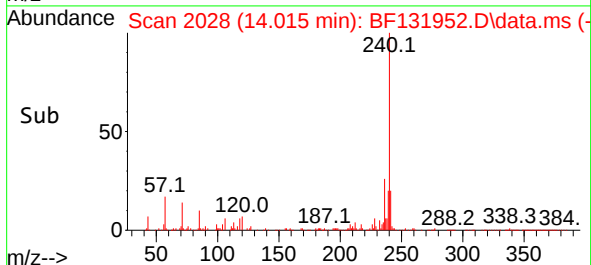
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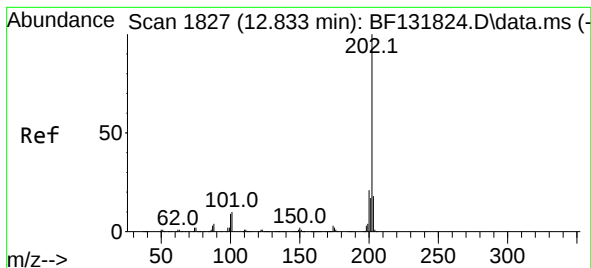


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 2028
Delta R.T. 0.018 min
Lab File: BF131952.D
Acq: 06 Jan 2023 21:12



Tgt Ion:240 Resp: 118810
Ion Ratio Lower Upper
240 100
120 11.4 6.7 10.1#
236 27.6 20.6 31.0





#78

Pyrene

Concen: 8.493 ng

RT: 12.804 min Scan# 1822

Delta R.T. 0.012 min

Lab File: BF131952.D

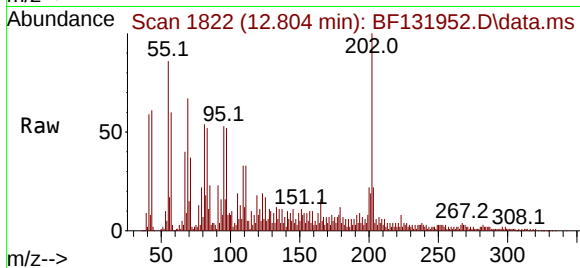
Acq: 06 Jan 2023 21:12

Instrument :

BNA_F

ClientSampleId :

PE-14

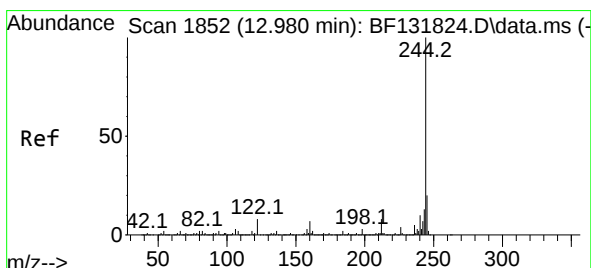
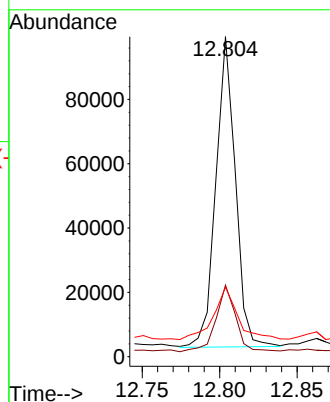
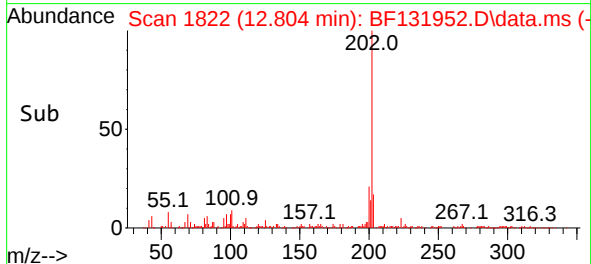


Tgt Ion:	202	Resp:	8457
Ion Ratio	Lower	Upper	
202	100		
200	22.4	16.7	25.1
203	21.8	14.4	21.6

Manual Integrations

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#79

Terphenyl-d14

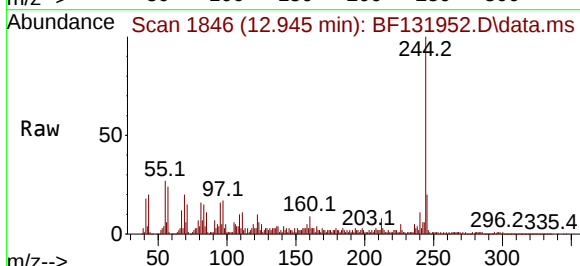
Concen: 47.342 ng

RT: 12.945 min Scan# 1846

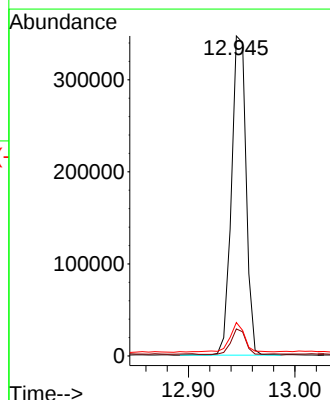
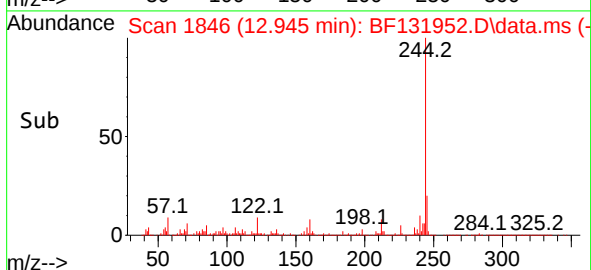
Delta R.T. 0.006 min

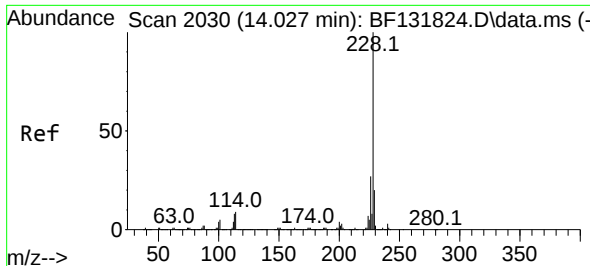
Lab File: BF131952.D

Acq: 06 Jan 2023 21:12



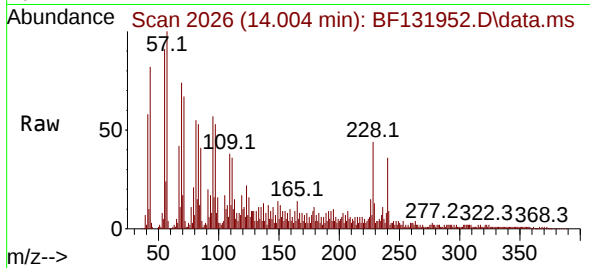
Tgt Ion:	244	Resp:	332525
Ion Ratio	Lower	Upper	
244	100		
212	8.5	6.3	9.5
122	10.5	6.4	9.6





#81
Benzo(a)anthracene
Concen: 4.359 ng
RT: 14.004 min Scan# 2030
Delta R.T. 0.018 min
Lab File: BF131952.D
Acq: 06 Jan 2023 21:12

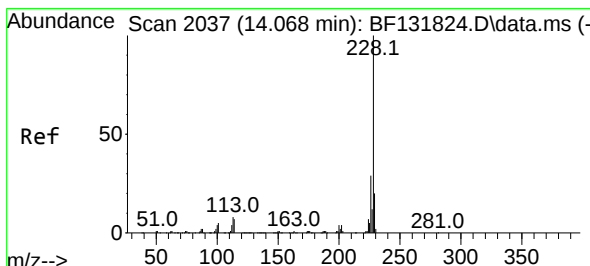
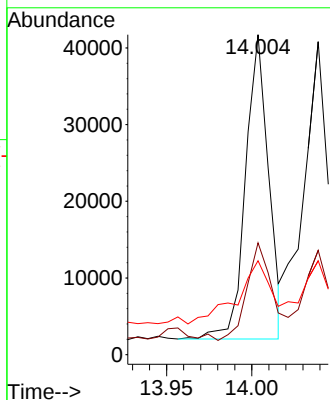
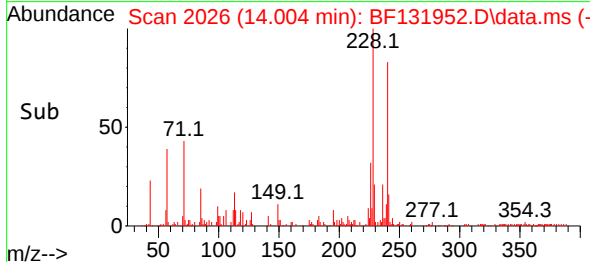
Instrument :
BNA_F
ClientSampleId :
PE-14



Tgt Ion:228 Resp: 37498
Ion Ratio Lower Upper
228 100
226 35.0 22.0 33.0
229 29.3 16.0 24.0

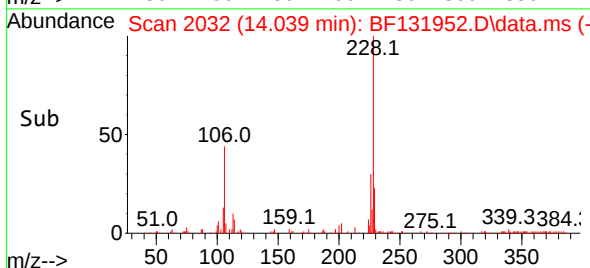
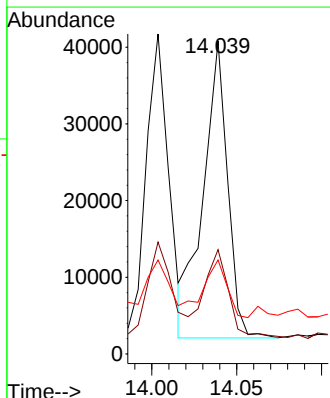
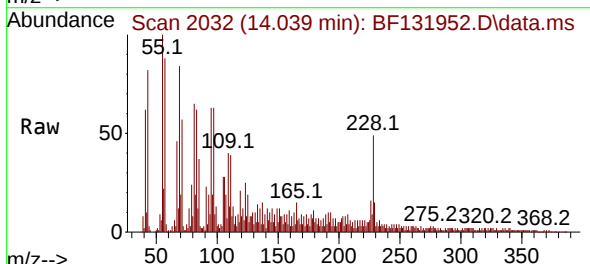
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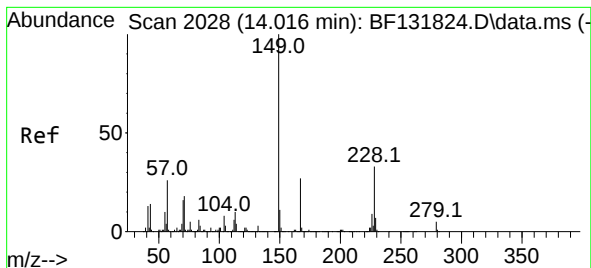
Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023



#83
Chrysene
Concen: 4.814 ng m
RT: 14.039 min Scan# 2032
Delta R.T. 0.012 min
Lab File: BF131952.D
Acq: 06 Jan 2023 21:12

Tgt Ion:228 Resp: 38917
Ion Ratio Lower Upper
228 100
226 33.4 23.5 35.3
229 30.0 16.2 24.2





#84

Bis(2-ethylhexyl)phthalate

Concen: 18.658 ng

RT: 13.986 min Scan# 2028

Delta R.T. 0.012 min

Lab File: BF131952.D

Acq: 06 Jan 2023 21:12

Instrument :

BNA_F

ClientSampleId :

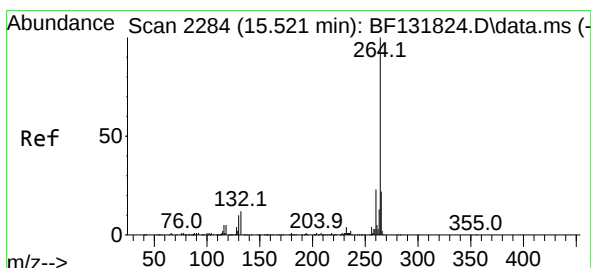
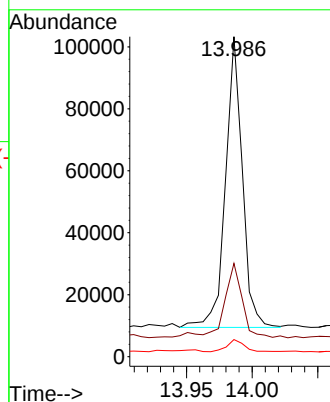
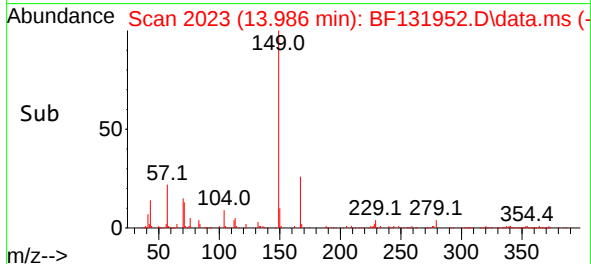
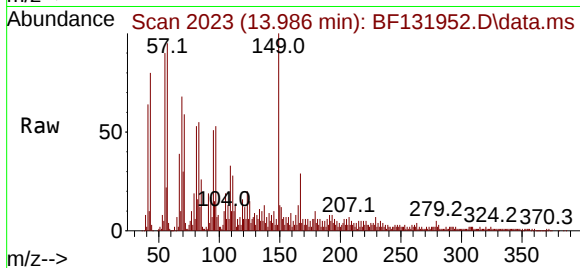
PE-14

Tgt Ion:	149	Resp:	8391
Ion Ratio	Lower	Upper	
149	100		
167	29.1	21.8	32.6
279	5.4	3.9	5.9

Manual Integrations

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Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023



#86

Perylene-d12

Concen: 20.000 ng

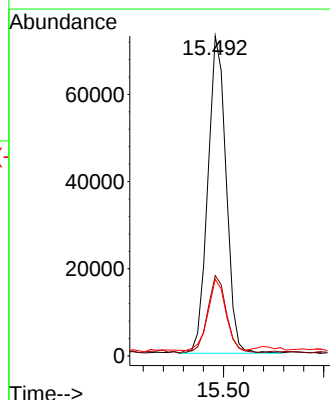
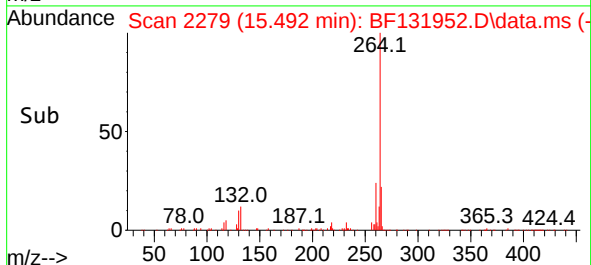
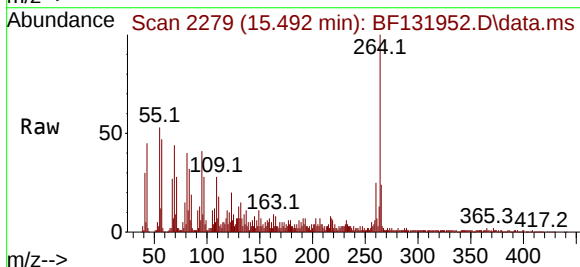
RT: 15.492 min Scan# 2279

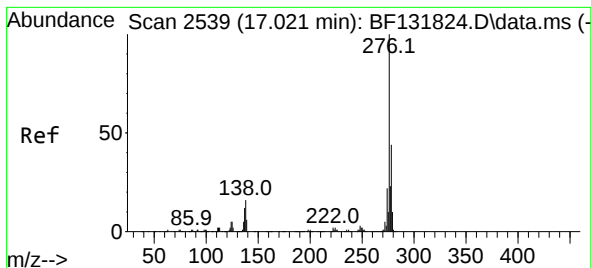
Delta R.T. 0.023 min

Lab File: BF131952.D

Acq: 06 Jan 2023 21:12

Tgt Ion:	264	Resp:	92017
Ion Ratio	Lower	Upper	
264	100		
260	25.1	18.6	28.0
265	24.0	17.4	26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.328 ng

RT: 16.968 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF131952.D

Acq: 06 Jan 2023 21:12

Instrument :

BNA_F

ClientSampleId :

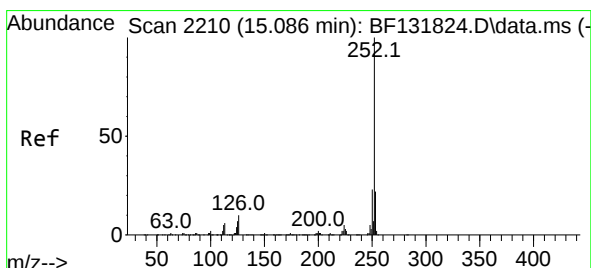
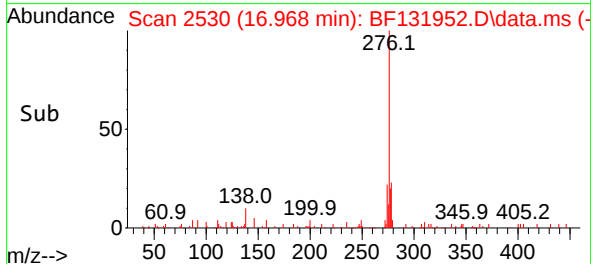
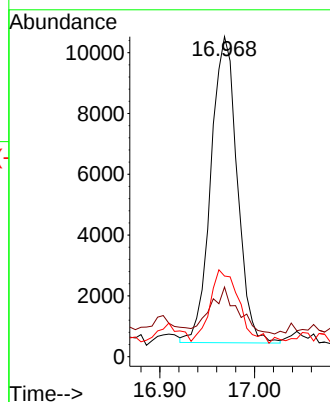
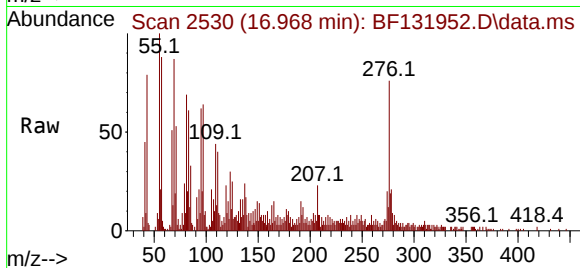
PE-14

Tgt Ion:	276	Resp:	1945
Ion Ratio	Lower	Upper	
276	100		
138	15.9	14.5	21.7
277	26.4	19.7	29.5

Manual Integrations

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Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023



#88

Benzo(b)fluoranthene

Concen: 6.609 ng m

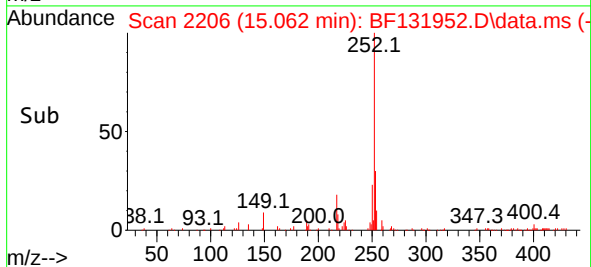
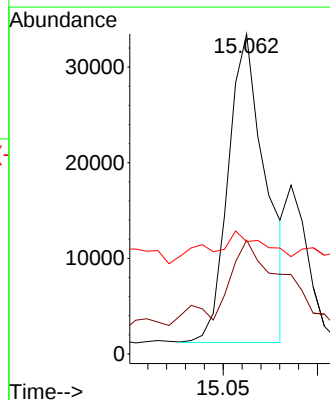
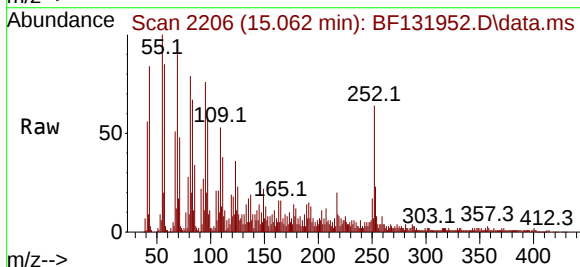
RT: 15.062 min Scan# 2206

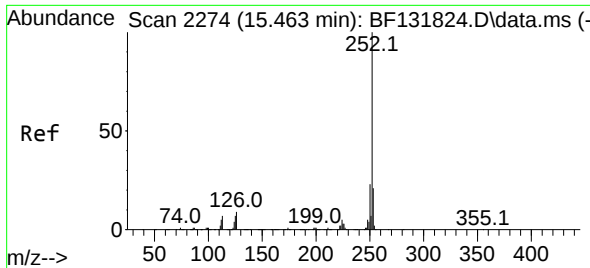
Delta R.T. 0.023 min

Lab File: BF131952.D

Acq: 06 Jan 2023 21:12

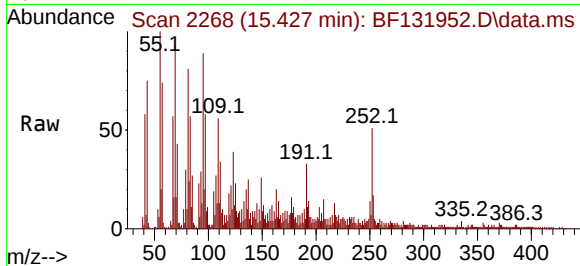
Tgt Ion:	252	Resp:	44589
Ion Ratio	Lower	Upper	
252	100		
253	35.6	17.6	26.4#
125	35.1	5.8	8.8#





#90
Benzo(a)pyrene
Concen: 5.279 ng
RT: 15.427 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF131952.D
Acq: 06 Jan 2023 21:12

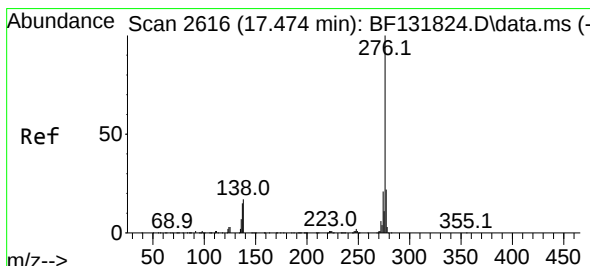
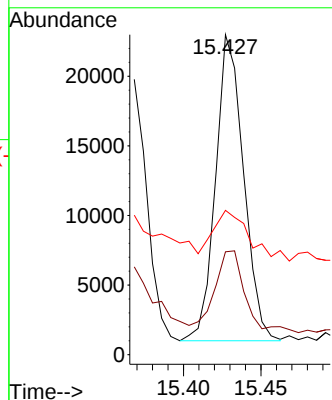
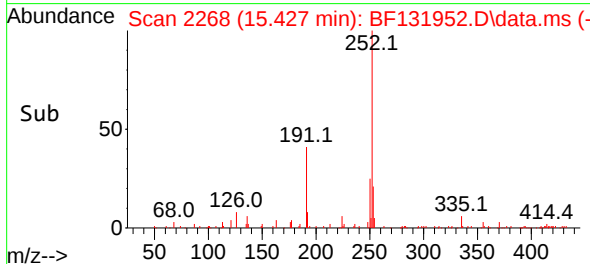
Instrument :
BNA_F
ClientSampleId :
PE-14



Tgt Ion:252 Resp: 27570
Ion Ratio Lower Upper
252 100
253 32.2 16.6 24.8
125 45.1 5.8 8.8

Manual Integrations
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Reviewed By :Christian Giraldo 01/09/2023
Supervised By :mohammad ahmed 01/09/2023



#92
Benzo(g,h,i)perylene
Concen: 10.755 ng
RT: 17.415 min Scan# 2606
Delta R.T. 0.018 min
Lab File: BF131952.D
Acq: 06 Jan 2023 21:12

Tgt Ion:276 Resp: 35020
Ion Ratio Lower Upper
276 100
277 28.7 17.9 26.9
138 16.3 13.7 20.5

