

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141524.D
 Acq On : 07 Feb 2025 22:33
 Operator : RC/JU
 Sample : Q1241-19 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-51.4-013025

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025

Quant Time: Feb 08 00:32:45 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	86637	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	320633	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	156448	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	243767	20.000	ng	0.00
76) Chrysene-d12	13.968	240	144012	20.000	ng	0.00
86) Perylene-d12	15.439	264	115869	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	224859	40.689	ng	0.00
7) Phenol-d6	6.428	99	271285	38.840	ng	-0.01
23) Nitrobenzene-d5	7.351	82	162742	26.474	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	53673	34.152	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	319202	31.434	ng	0.00
79) Terphenyl-d14	12.904	244	288829	33.858	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.339	178	266348	19.850	ng	99
72) Anthracene	11.392	178	75247	5.579	ng	99
75) Fluoranthene	12.533	202	483563	33.992	ng	100
78) Pyrene	12.763	202	429747	35.055	ng	99
81) Benzo(a)anthracene	13.957	228	214302	22.386	ng	97
83) Chrysene	13.992	228	164556	18.617	ng	97
87) Indeno(1,2,3-cd)pyrene	16.886	276	63369	8.851	ng	94
88) Benzo(b)fluoranthene	15.015	252	183586m	23.597	ng	
89) Benzo(k)fluoranthene	15.033	252	62092m	9.346	ng	
90) Benzo(a)pyrene	15.374	252	125004	19.857	ng	# 92
91) Dibenzo(a,h)anthracene	16.898	278	17013	2.933	ng	# 75
92) Benzo(g,h,i)perylene	17.327	276	62398	10.279	ng	96

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

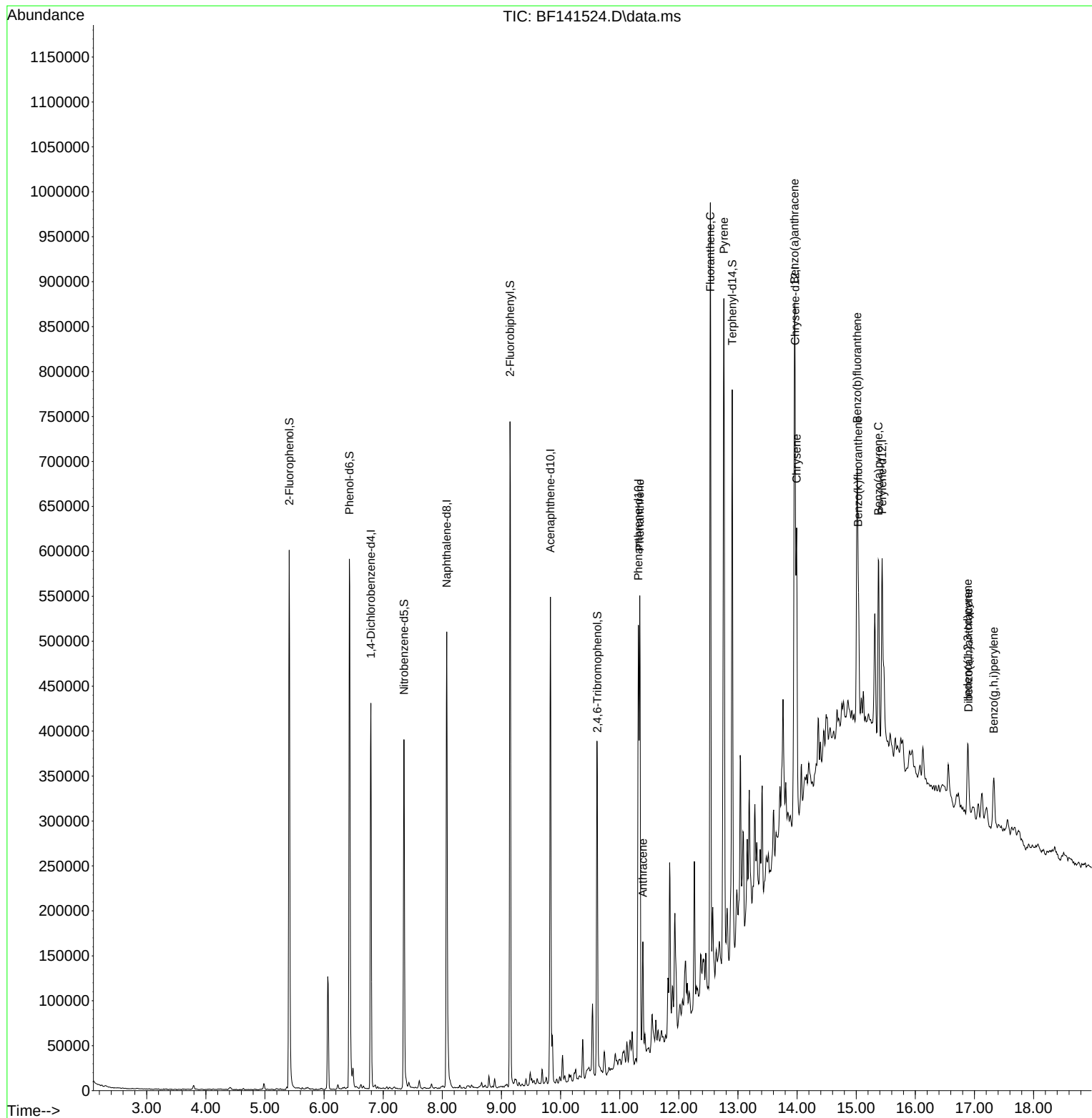
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141524.D
Acq On : 07 Feb 2025 22:33
Operator : RC/JU
Sample : Q1241-19 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

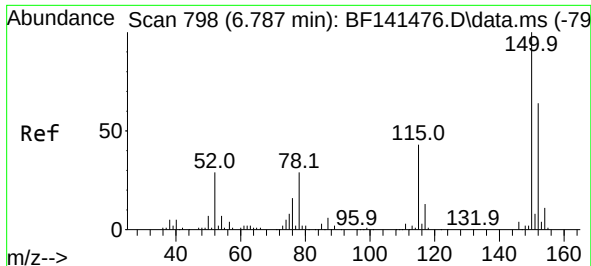
Instrument :
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ClientSampleId :
JPP-51.4-013025

Quant Time: Feb 08 00:32:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

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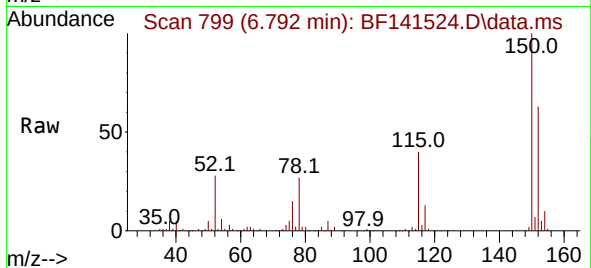
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

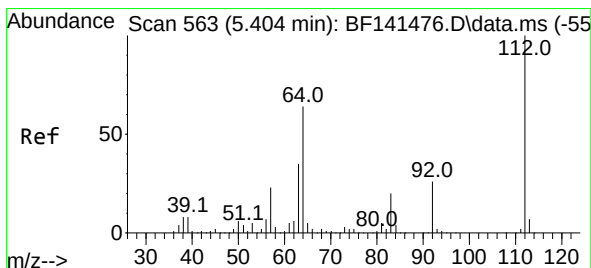
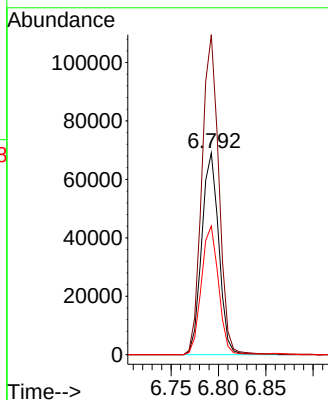
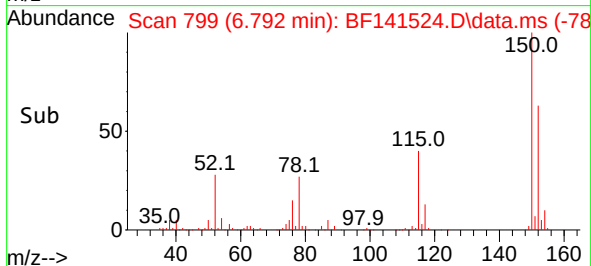
Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025



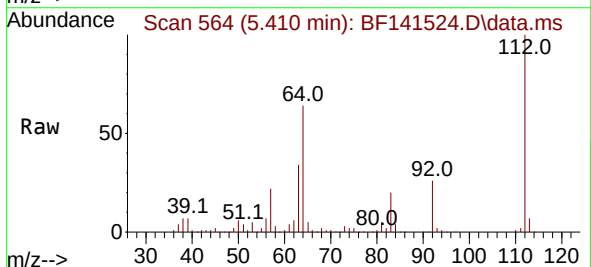
Tgt Ion:152 Resp: 8663
Ion Ratio Lower Upper
152 100
150 158.6 125.0 187.4
115 63.8 53.6 80.4

Manual Integrations
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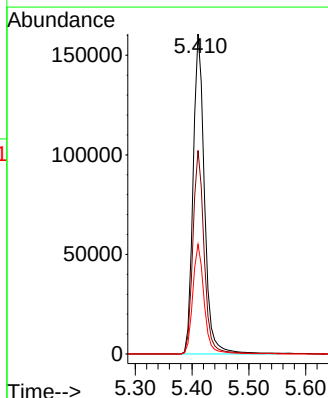
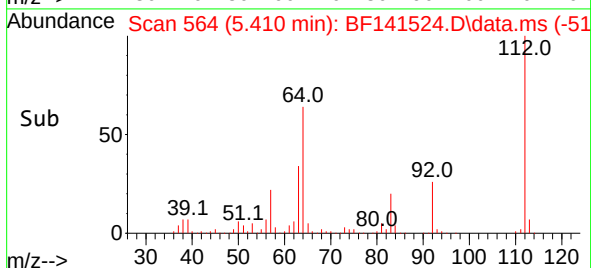
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

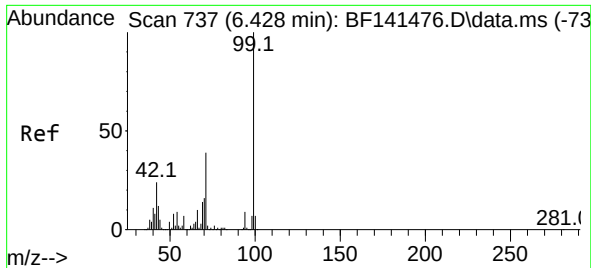


#5
2-Fluorophenol
Concen: 40.689 ng
RT: 5.410 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33



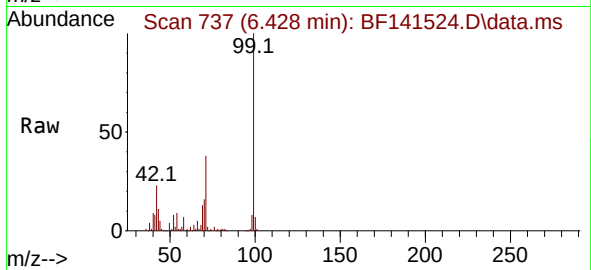
Tgt Ion:112 Resp: 224859
Ion Ratio Lower Upper
112 100
64 63.6 51.1 76.7
63 34.2 28.4 42.6





#7
Phenol-d6
Concen: 38.840 ng
RT: 6.428 min Scan# 737
Delta R.T. -0.012 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

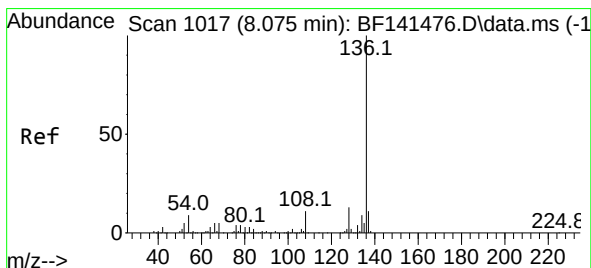
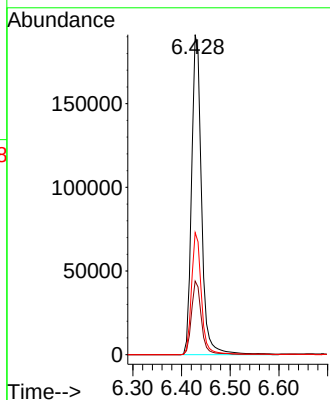
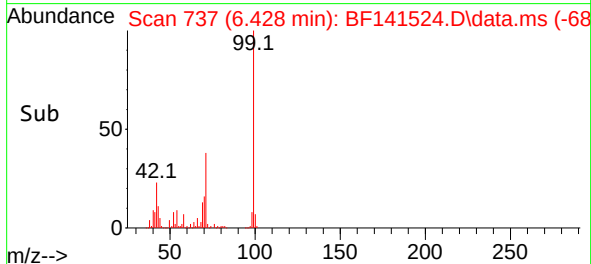
Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025



Tgt Ion: 99 Resp: 27128
Ion Ratio Lower Upper
99 100
42 23.0 19.1 28.7
71 38.1 31.1 46.7

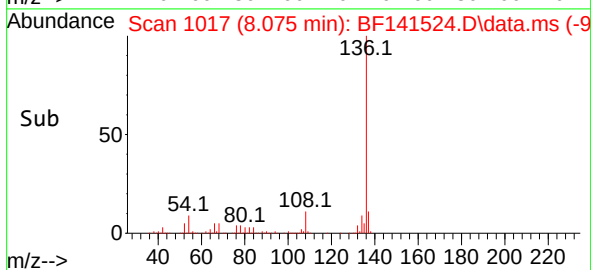
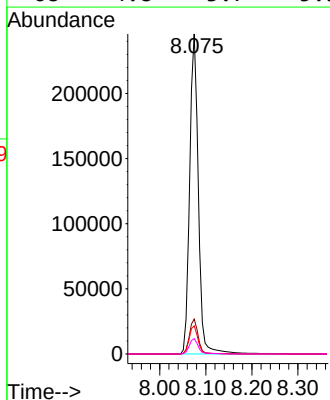
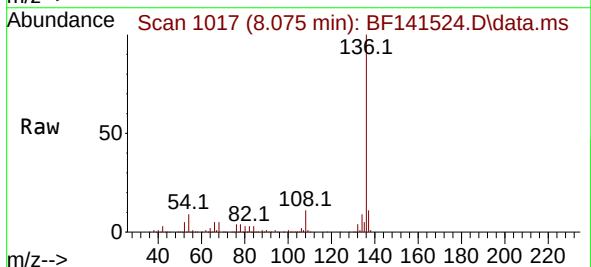
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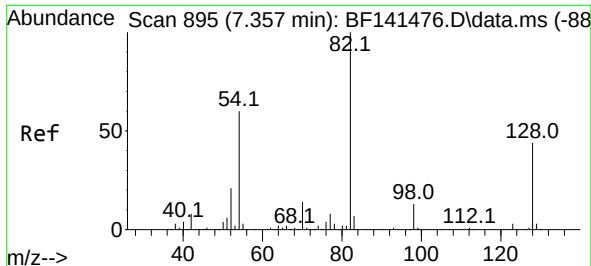
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

Tgt Ion:136 Resp: 320633
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.8 7.2 10.8
68 4.8 3.7 5.5





#23

Nitrobenzene-d5

Concen: 26.474 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF141524.D

Acq: 07 Feb 2025 22:33

Instrument :

BNA_F

ClientSampleId :

JPP-51.4-013025

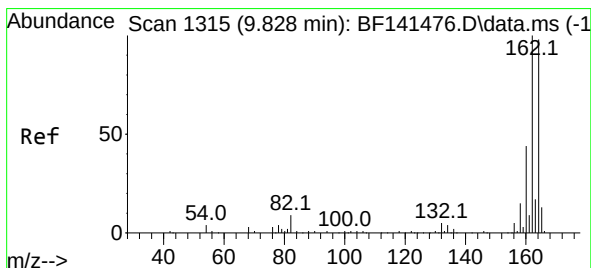
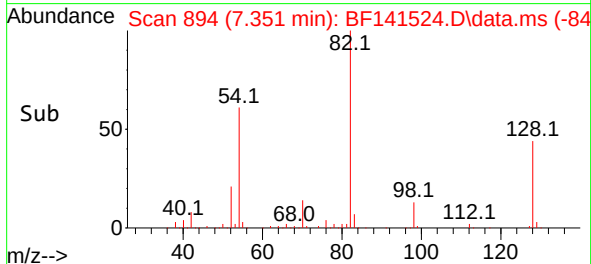
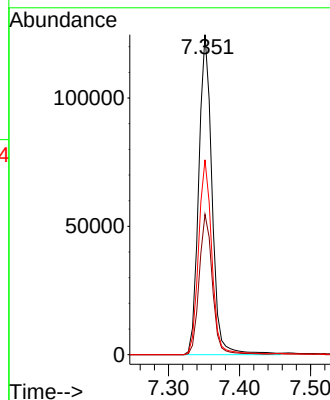
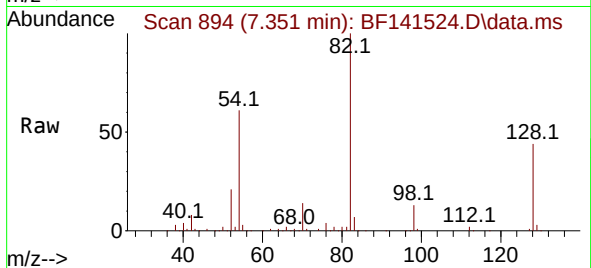
Tgt Ion: 82 Resp: 16274

Ion	Ratio	Lower	Upper
82	100		
128	43.8	34.8	52.2
54	60.9	48.2	72.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1315

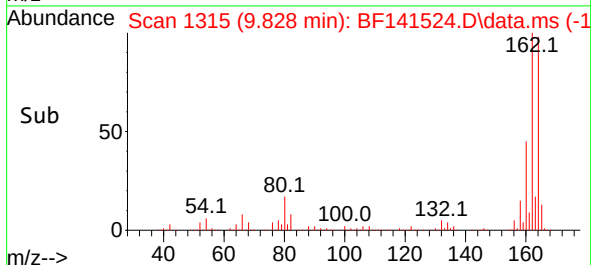
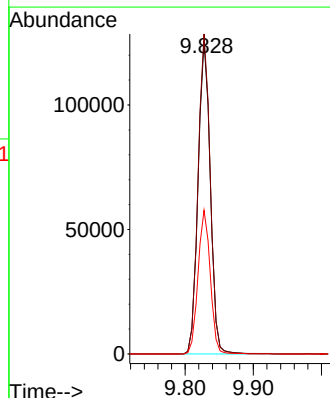
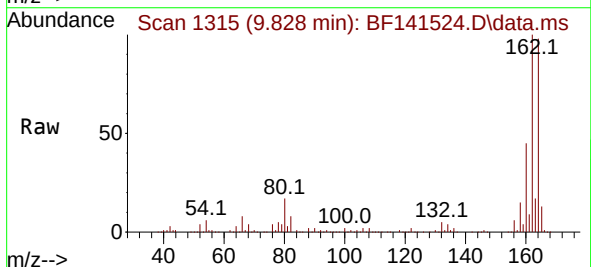
Delta R.T. -0.006 min

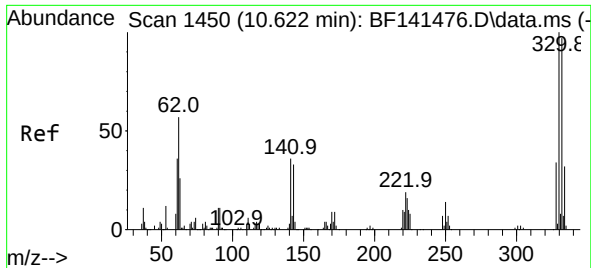
Lab File: BF141524.D

Acq: 07 Feb 2025 22:33

Tgt Ion:164 Resp: 156448

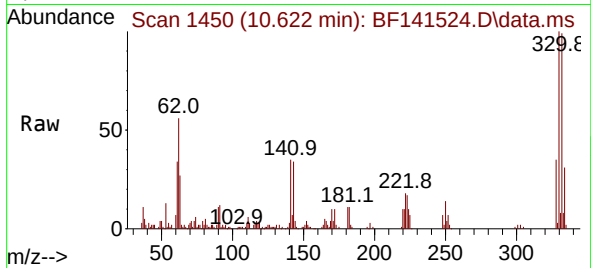
Ion	Ratio	Lower	Upper
164	100		
162	102.4	81.3	121.9
160	46.0	35.9	53.9





#42
2,4,6-Tribromophenol
Concen: 34.152 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

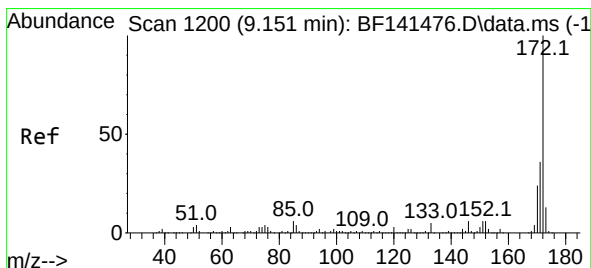
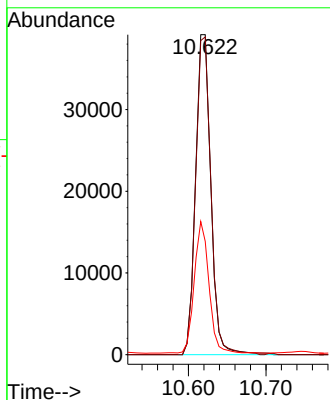
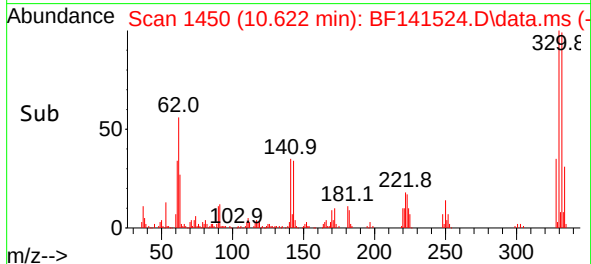
Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025



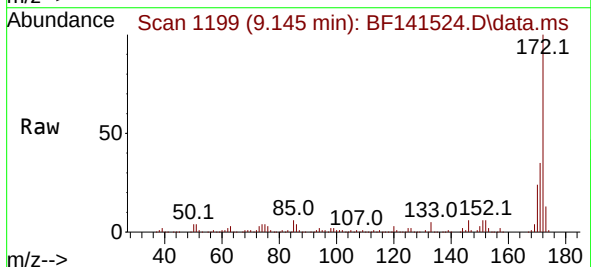
Tgt Ion: 330 Resp: 5367
Ion Ratio Lower Upper
330 100
332 99.0 78.5 117.7
141 38.9 31.0 46.4

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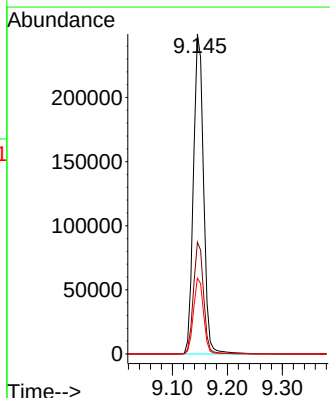
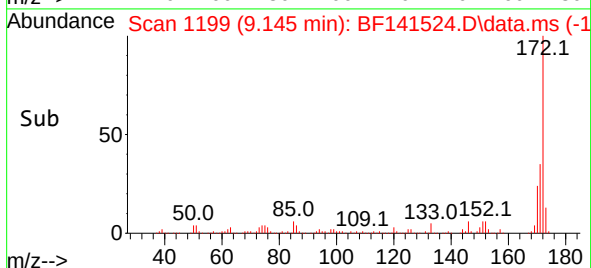
Reviewed By :Anahy Claudio 02/10/2025
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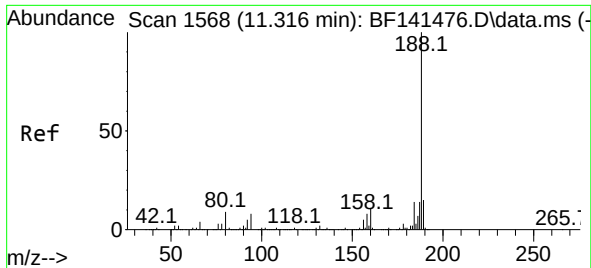


#45
2-Fluorobiphenyl
Concen: 31.434 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33



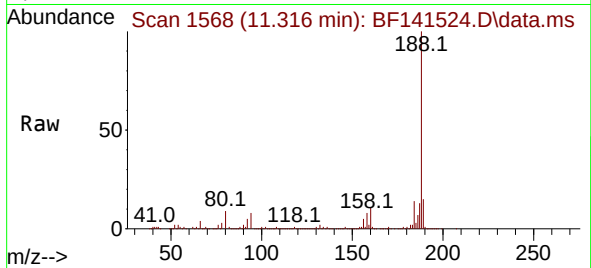
Tgt Ion: 172 Resp: 319202
Ion Ratio Lower Upper
172 100
171 35.0 28.7 43.1
170 23.7 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

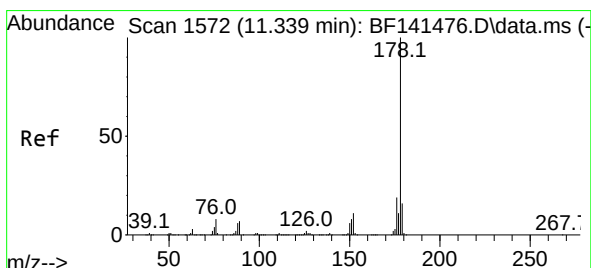
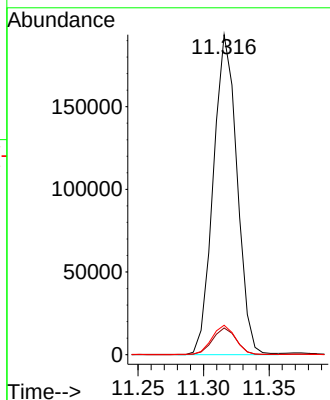
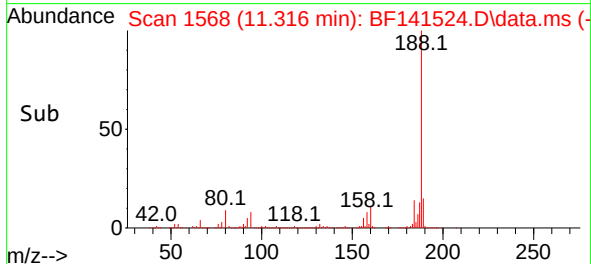
Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025



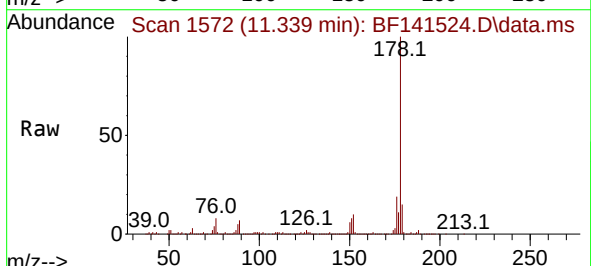
Tgt Ion:188 Resp: 24376
Ion Ratio Lower Upper
188 100
94 8.4 6.6 10.0
80 9.2 7.3 10.9

Manual Integrations
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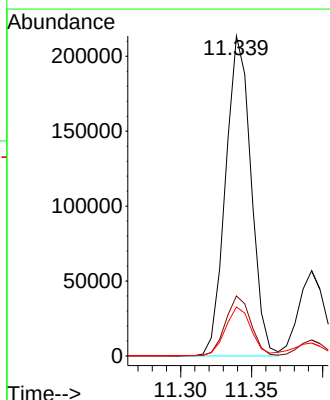
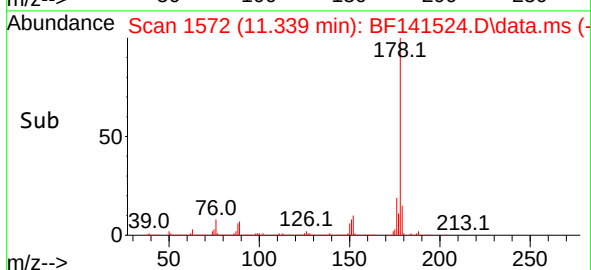
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

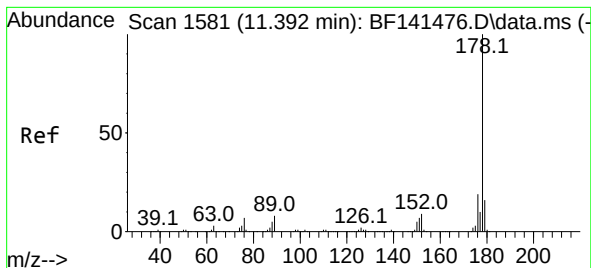


#71
Phenanthrene
Concen: 19.850 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33



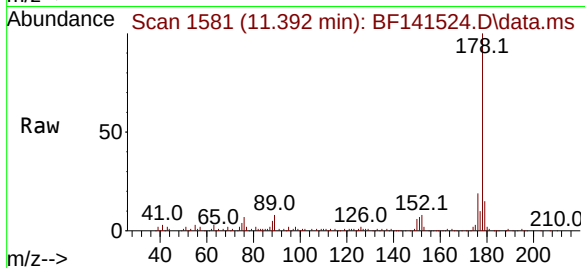
Tgt Ion:178 Resp: 266348
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 15.3 12.4 18.6





#72
 Anthracene
 Concen: 5.579 ng
 RT: 11.392 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF141524.D
 Acq: 07 Feb 2025 22:33

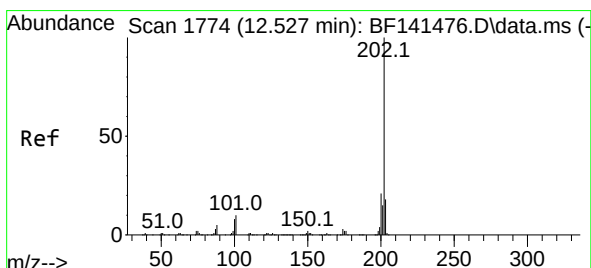
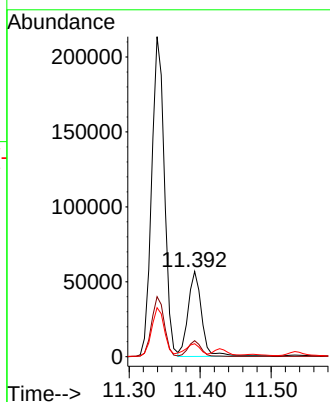
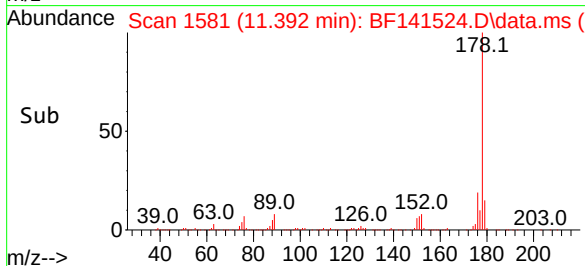
Instrument :
 BNA_F
 ClientSampleId :
 JPP-51.4-013025



Tgt Ion:178 Resp: 7524
 Ion Ratio Lower Upper
 178 100
 176 18.7 14.8 22.2
 179 15.2 12.4 18.6

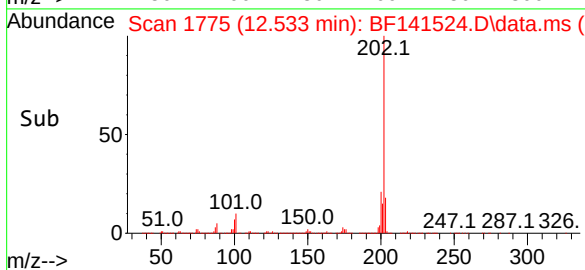
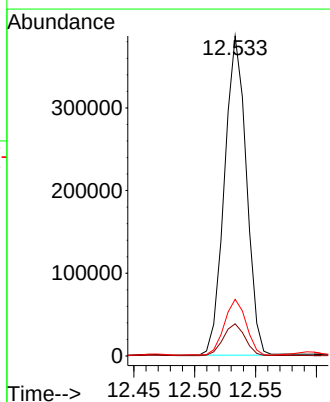
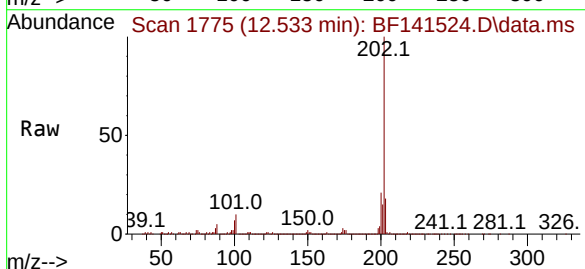
Manual Integrations
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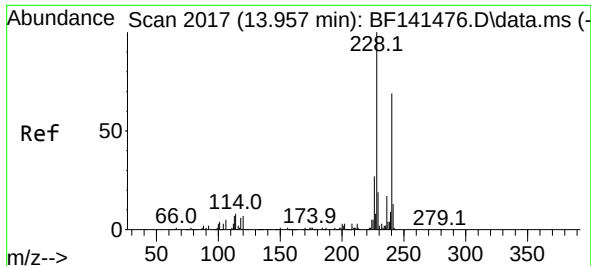
Reviewed By :Anahy Claudio 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025



#75
 Fluoranthene
 Concen: 33.992 ng
 RT: 12.533 min Scan# 1775
 Delta R.T. 0.000 min
 Lab File: BF141524.D
 Acq: 07 Feb 2025 22:33

Tgt Ion:202 Resp: 483563
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 30.2
 203 17.7 0.0 37.6





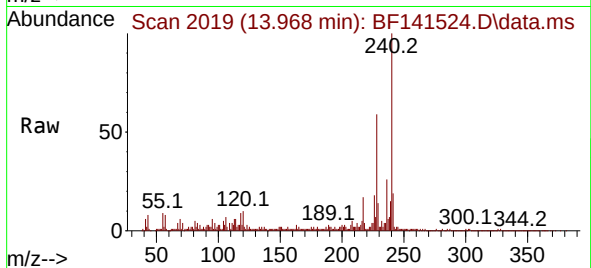
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2017
Delta R.T. 0.006 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

Instrument :

BNA_F

ClientSampleId :

JPP-51.4-013025

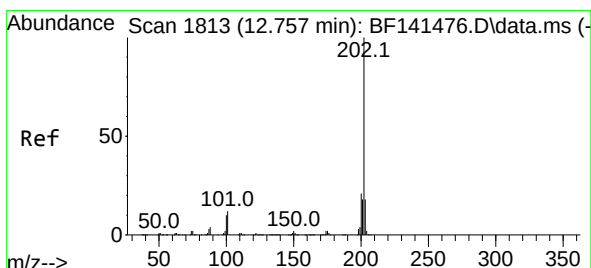
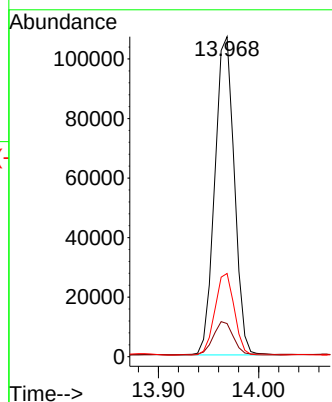
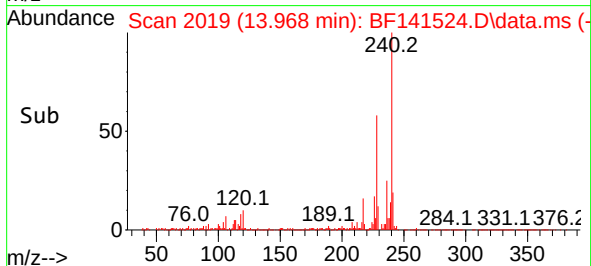


Tgt Ion:240 Resp: 144012
Ion Ratio Lower Upper
240 100
120 10.4 8.0 12.0
236 26.0 19.8 29.8

Manual Integrations

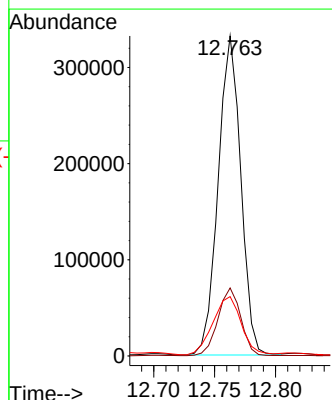
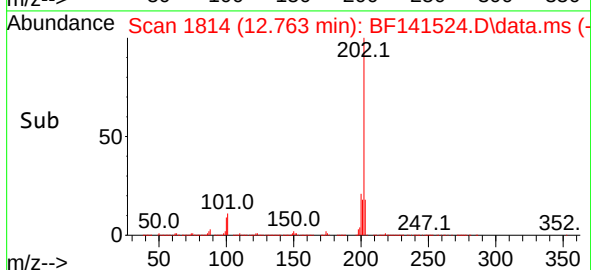
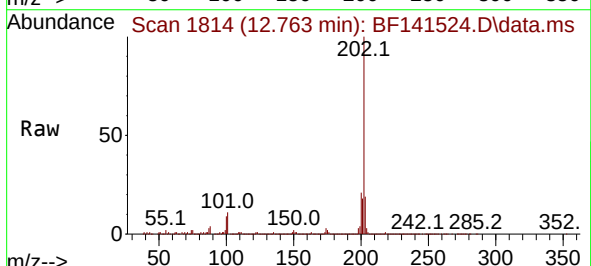
APPROVED

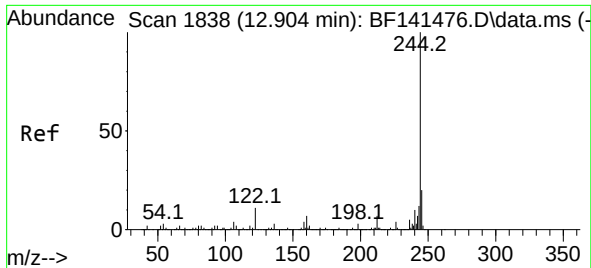
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#78
Pyrene
Concen: 35.055 ng
RT: 12.763 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

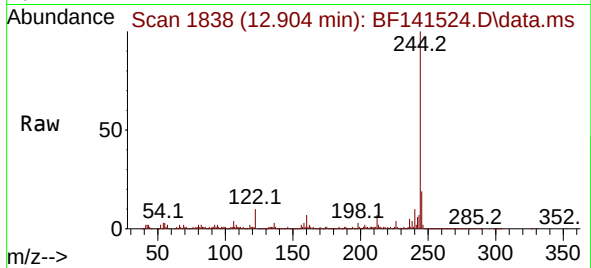
Tgt Ion:202 Resp: 429747
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.4
203 18.6 14.3 21.5





#79
 Terphenyl-d14
 Concen: 33.858 ng
 RT: 12.904 min Scan# 1838
 Delta R.T. 0.000 min
 Lab File: BF141524.D
 Acq: 07 Feb 2025 22:33

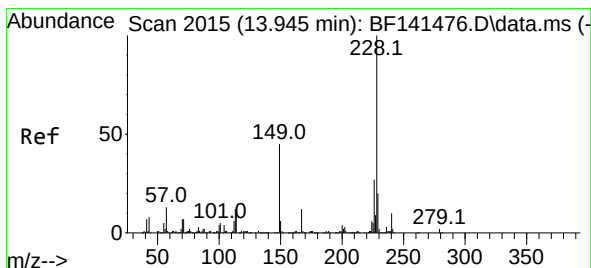
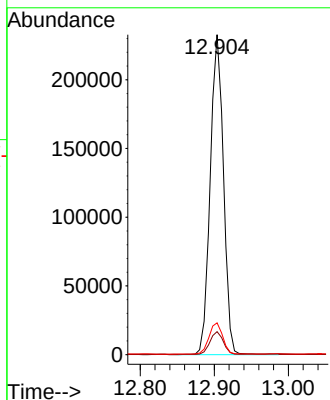
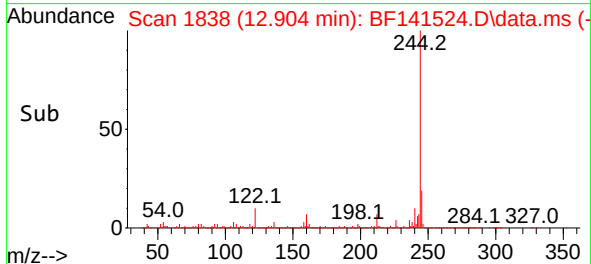
Instrument :
 BNA_F
 ClientSampleId :
 JPP-51.4-013025



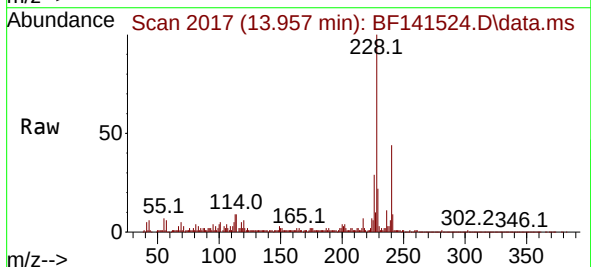
Tgt Ion:244 Resp: 288829
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.6 8.4
 122 10.0 8.4 12.6

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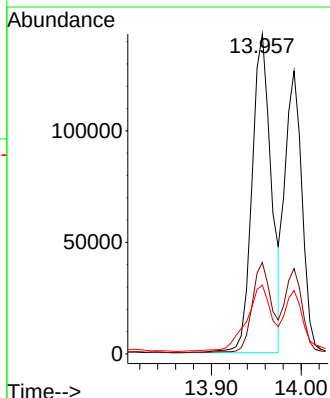
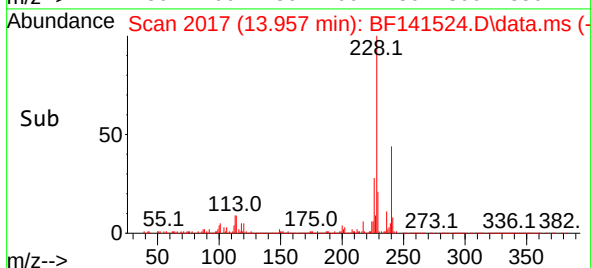
Reviewed By :Anahy Claudio 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025

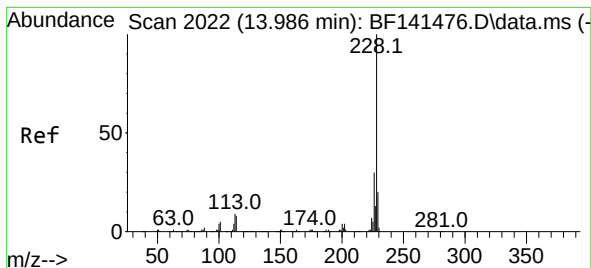


#81
 Benzo(a)anthracene
 Concen: 22.386 ng
 RT: 13.957 min Scan# 2017
 Delta R.T. 0.006 min
 Lab File: BF141524.D
 Acq: 07 Feb 2025 22:33



Tgt Ion:228 Resp: 214302
 Ion Ratio Lower Upper
 228 100
 226 28.6 21.8 32.8
 229 21.6 15.8 23.6





#83

Chrysene

Concen: 18.617 ng

RT: 13.992 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF141524.D

Acq: 07 Feb 2025 22:33

Instrument :

BNA_F

ClientSampleId :

JPP-51.4-013025

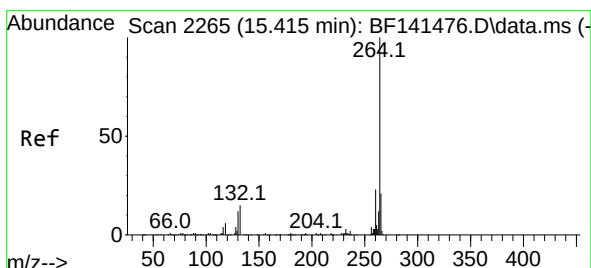
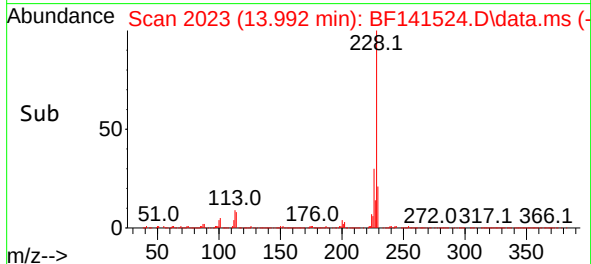
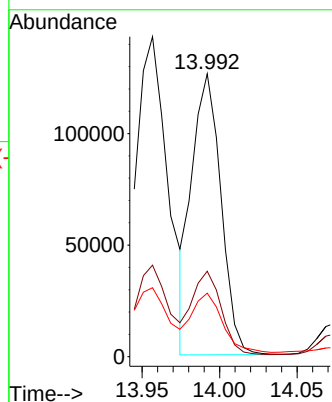
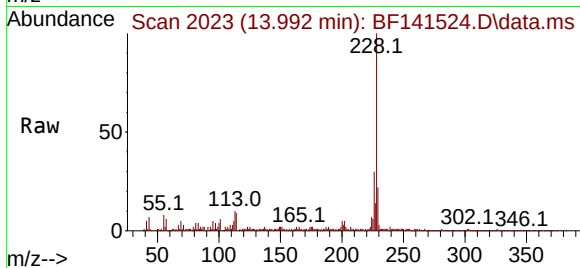
Tgt Ion:228 Resp: 164550

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.0	36.0
229	22.4	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 2269

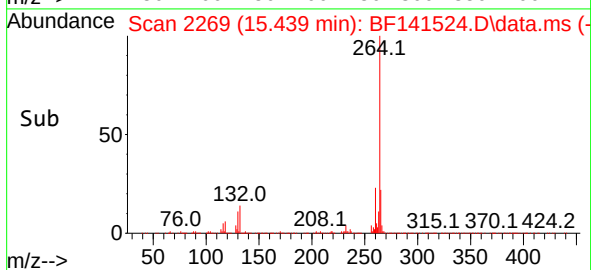
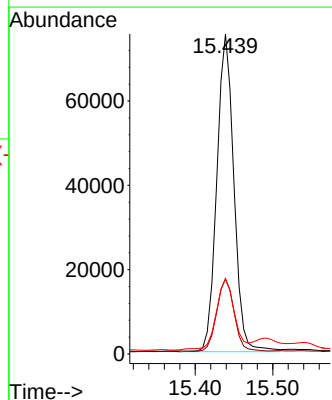
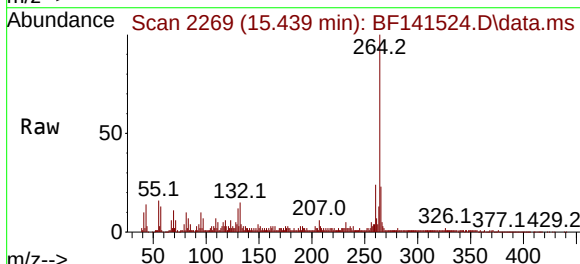
Delta R.T. 0.024 min

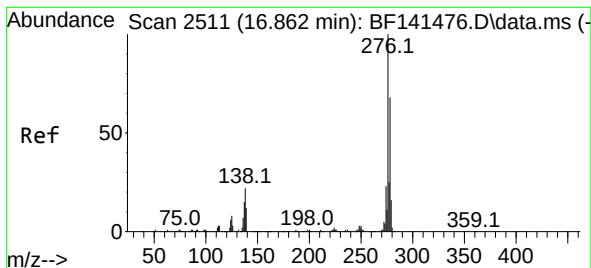
Lab File: BF141524.D

Acq: 07 Feb 2025 22:33

Tgt Ion:264 Resp: 115869

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	28.0
265	23.4	17.0	25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.851 ng

RT: 16.886 min Scan# 2197

Delta R.T. 0.012 min

Lab File: BF141524.D

Acq: 07 Feb 2025 22:33

Instrument :

BNA_F

ClientSampleId :

JPP-51.4-013025

Tgt Ion: 276 Resp: 63369

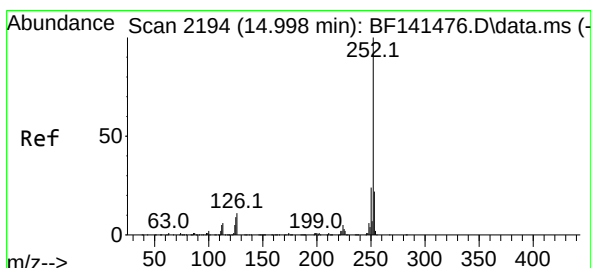
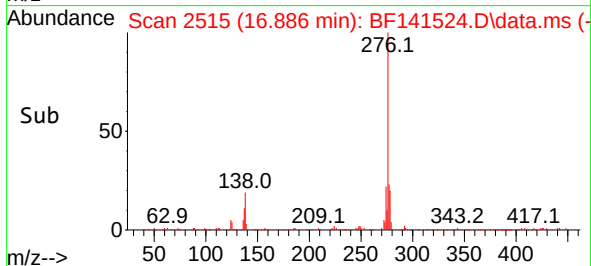
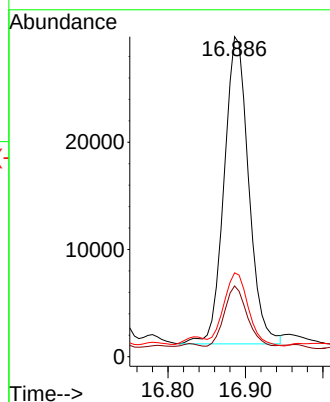
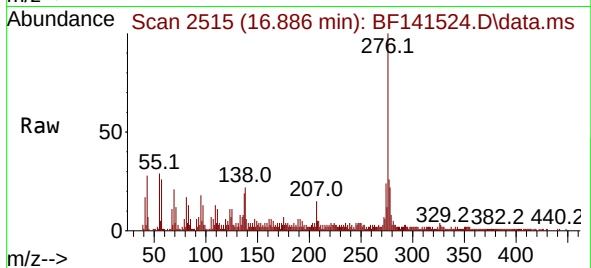
Ion	Ratio	Lower	Upper
276	100		
138	18.1	18.0	27.0
277	23.8	20.4	30.6

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#88

Benzo(b)fluoranthene

Concen: 23.597 ng m

RT: 15.015 min Scan# 2197

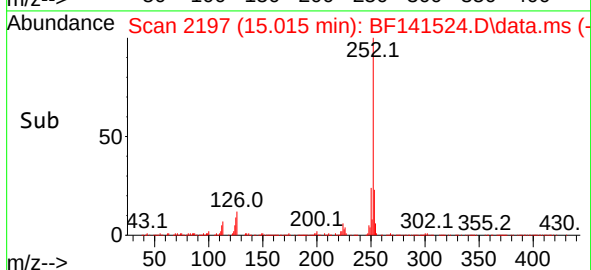
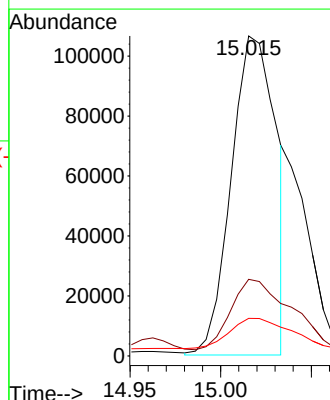
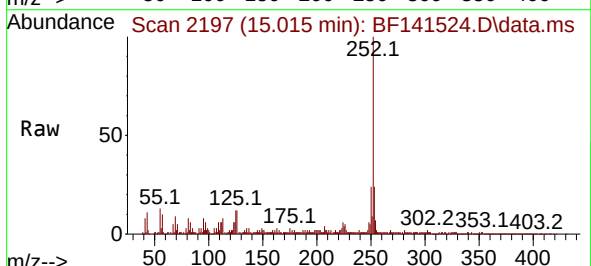
Delta R.T. 0.012 min

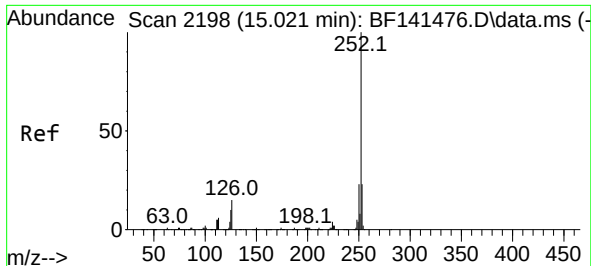
Lab File: BF141524.D

Acq: 07 Feb 2025 22:33

Tgt Ion: 252 Resp: 183586

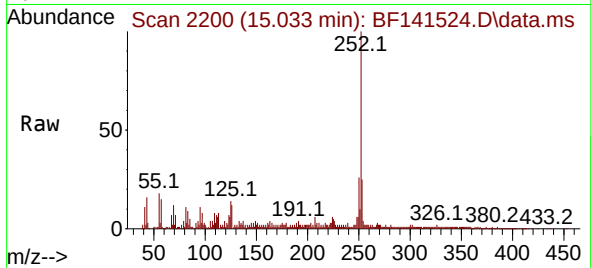
Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.5	26.3
125	11.8	7.0	10.6





#89
Benzo(k)fluoranthene
Concen: 9.346 ng m
RT: 15.033 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

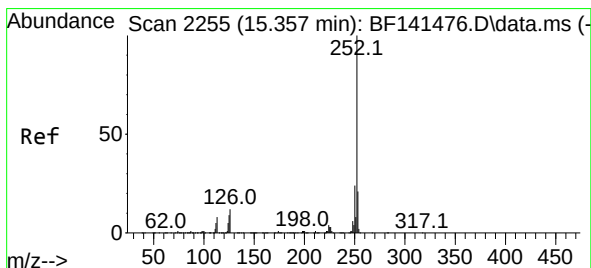
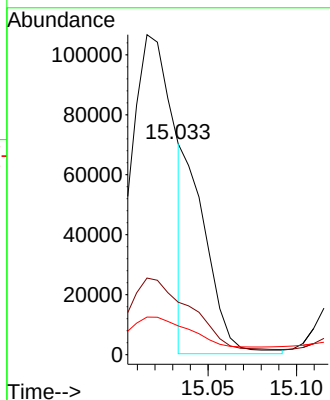
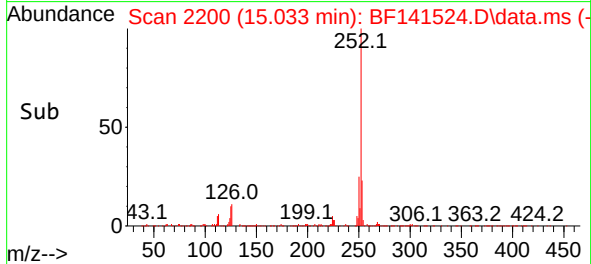
Instrument :
BNA_F
ClientSampleId :
JPP-51.4-013025



Tgt Ion:252 Resp: 62092
Ion Ratio Lower Upper
252 100
253 24.9 18.0 27.0
125 13.7 7.4 11.0

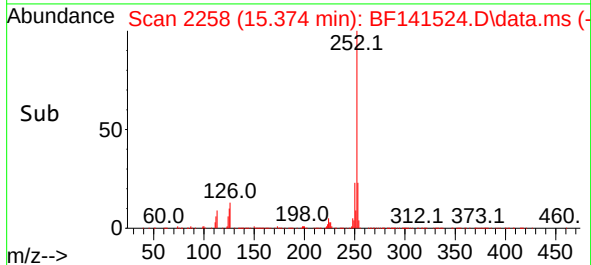
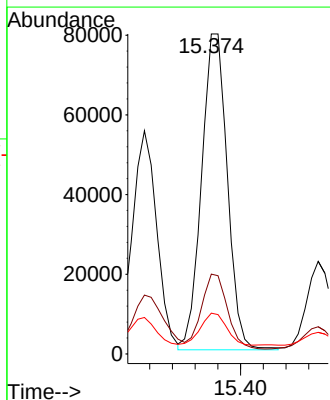
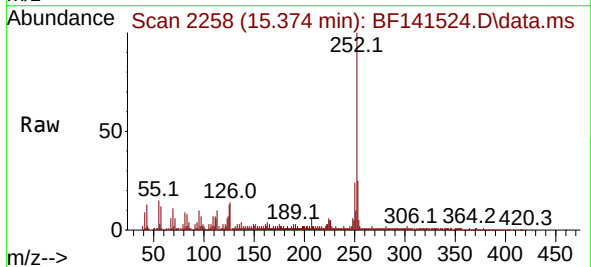
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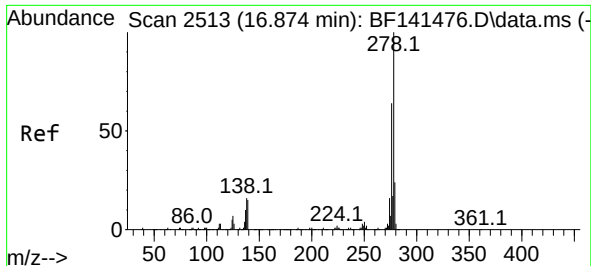
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#90
Benzo(a)pyrene
Concen: 19.857 ng
RT: 15.374 min Scan# 2258
Delta R.T. 0.012 min
Lab File: BF141524.D
Acq: 07 Feb 2025 22:33

Tgt Ion:252 Resp: 125004
Ion Ratio Lower Upper
252 100
253 25.0 17.1 25.7
125 12.7 7.4 11.2





#91

Dibenzo(a,h)anthracene

Concen: 2.933 ng

RT: 16.898 min Scan# 2517

Delta R.T. 0.006 min

Lab File: BF141524.D

Acq: 07 Feb 2025 22:33

Instrument :

BNA_F

ClientSampleId :

JPP-51.4-013025

Tgt Ion:278 Resp: 1701

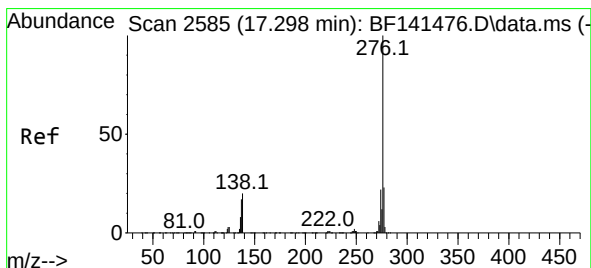
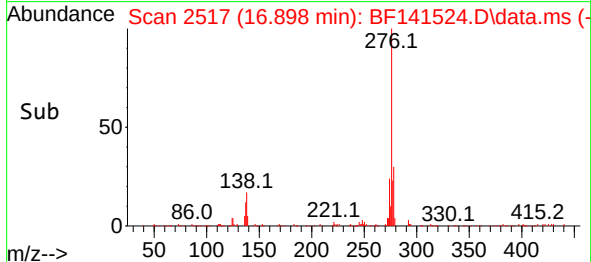
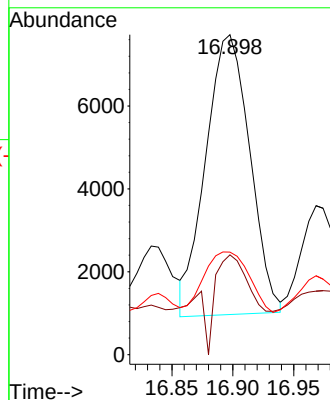
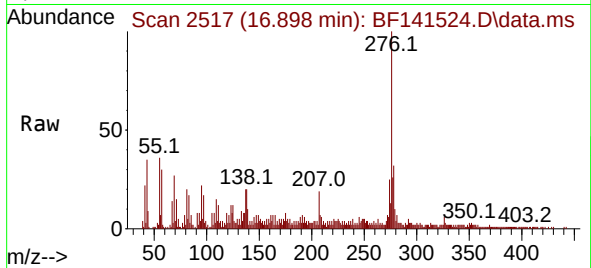
Ion	Ratio	Lower	Upper
278	100		
139	31.2	11.8	17.6
279	32.0	19.1	28.7

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#92

Benzo(g,h,i)perylene

Concen: 10.279 ng

RT: 17.327 min Scan# 2590

Delta R.T. 0.012 min

Lab File: BF141524.D

Acq: 07 Feb 2025 22:33

Tgt Ion:276 Resp: 62398

Ion	Ratio	Lower	Upper
276	100		
277	26.5	18.6	28.0
138	20.2	15.9	23.9

