

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101723\
 Data File : BF135826.D
 Acq On : 17 Oct 2023 22:34
 Operator : CG\JU
 Sample : 04892-03 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-10132023-A

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/18/2023
 Supervised By :mohammad ahmed 10/18/2023

Quant Time: Oct 18 02:03:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	84291	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	308687	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	140780	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	237048	20.000	ng	-0.01
76) Chrysene-d12	13.939	240	175013	20.000	ng	-0.01
86) Perylene-d12	15.416	264	143077	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	222228	42.387	ng	0.00
7) Phenol-d6	6.393	99	271564	41.514	ng	0.00
23) Nitrobenzene-d5	7.304	82	165169	29.428	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	53911	39.908	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	301265	33.459	ng	-0.01
79) Terphenyl-d14	12.863	244	271212	28.698	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	11.298	178	65110	5.734	ng	99
75) Fluoranthene	12.498	202	103007	8.173	ng	95
78) Pyrene	12.727	202	107373	7.721	ng	99
81) Benzo(a)anthracene	13.927	228	51365	4.468	ng	93
83) Chrysene	13.963	228	46246	4.153	ng	# 94
87) Indeno(1,2,3-cd)pyrene	16.945	276	17372	2.228	ng	94
88) Benzo(b)fluoranthene	14.992	252	46767m	5.840	ng	
90) Benzo(a)pyrene	15.363	252	33257	4.417	ng	# 92
92) Benzo(g,h,i)perylene	17.410	276	17301	2.635	ng	# 90

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

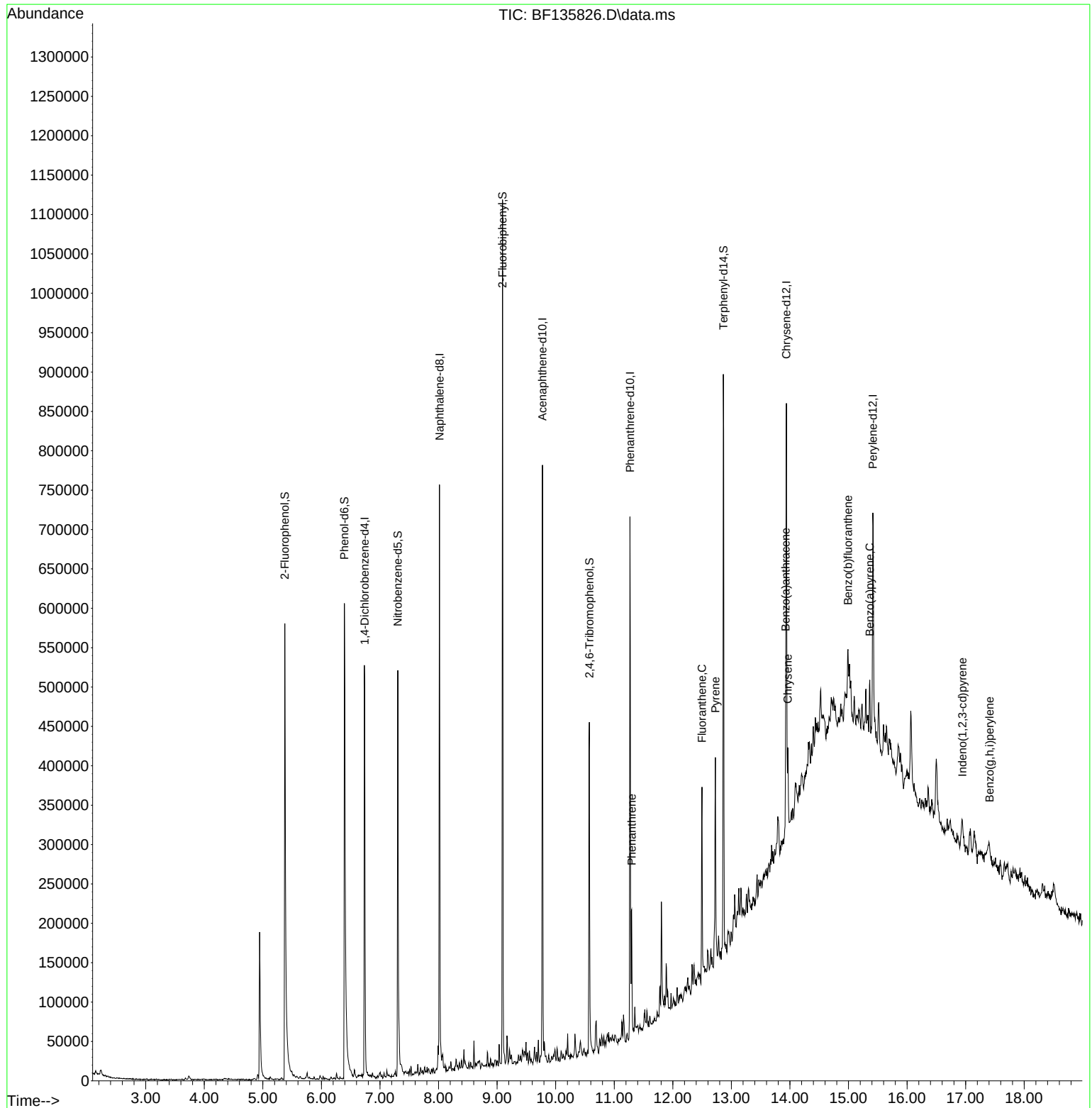
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101723\
Data File : BF135826.D
Acq On : 17 Oct 2023 22:34
Operator : CG\JU
Sample : 04892-03 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

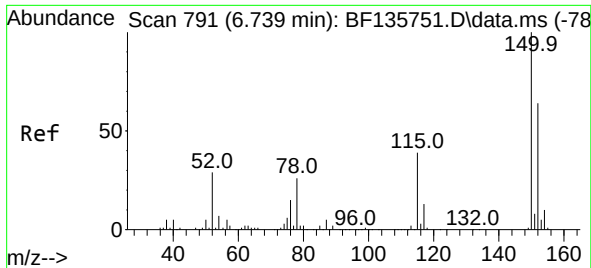
Instrument :
BNA_F
ClientSampleId :
EO-03-10132023-A

Quant Time: Oct 18 02:03:27 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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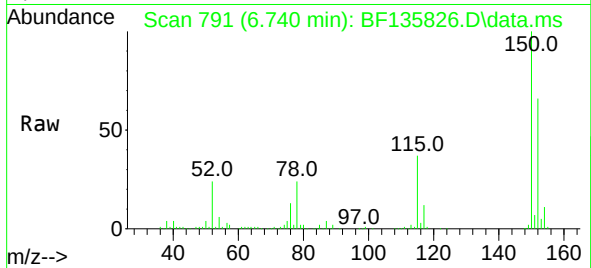
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF135826.D
Acq: 17 Oct 2023 22:34

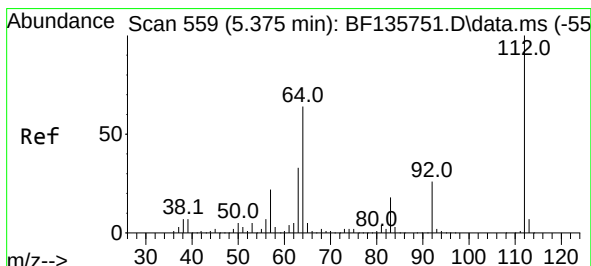
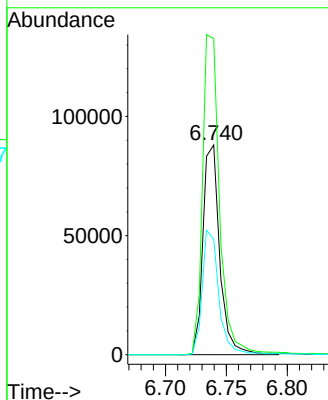
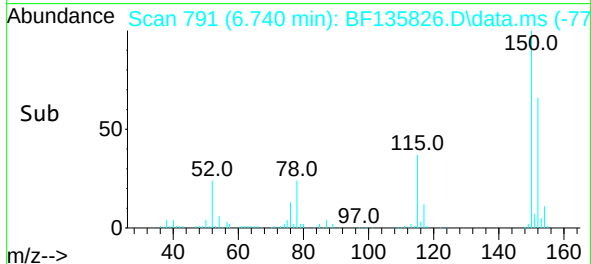
Instrument :
BNA_F
ClientSampleId :
EO-03-10132023-A



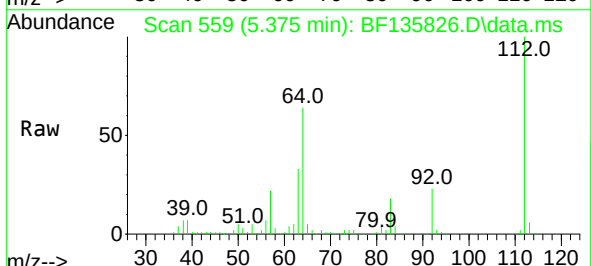
Tgt Ion:152 Resp: 8429
Ion Ratio Lower Upper
152 100
150 150.8 124.5 186.7
115 55.1 49.0 73.4

Manual Integrations
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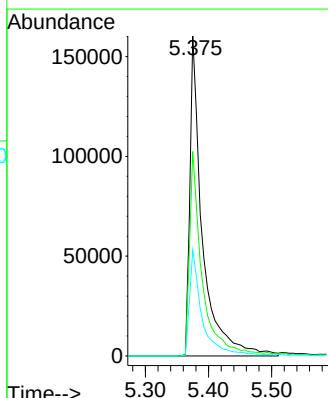
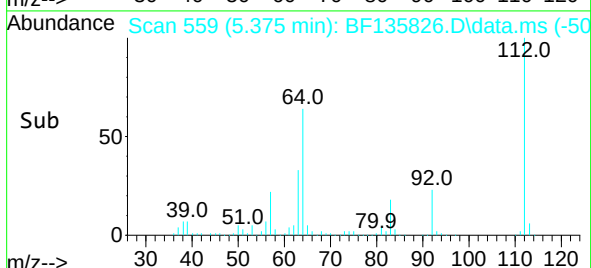
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023

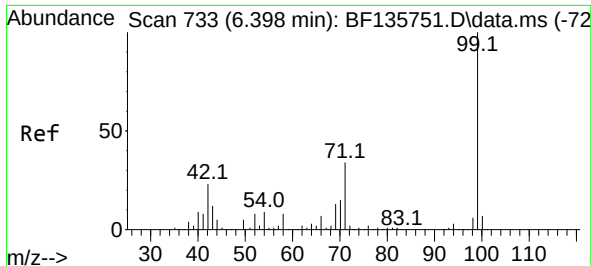


#5
2-Fluorophenol
Concen: 42.387 ng
RT: 5.375 min Scan# 559
Delta R.T. -0.000 min
Lab File: BF135826.D
Acq: 17 Oct 2023 22:34



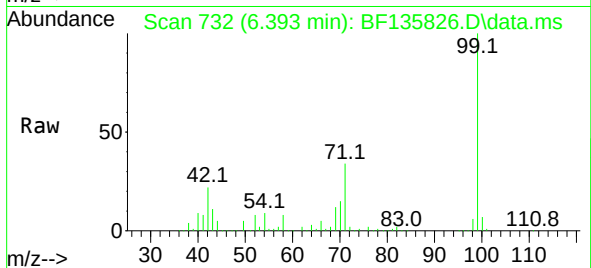
Tgt Ion:112 Resp: 222228
Ion Ratio Lower Upper
112 100
64 63.9 51.2 76.8
63 33.1 26.1 39.1





#7
Phenol-d6
Concen: 41.514 ng
RT: 6.393 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135826.D
Acq: 17 Oct 2023 22:34

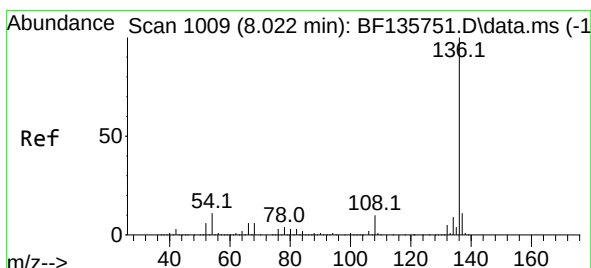
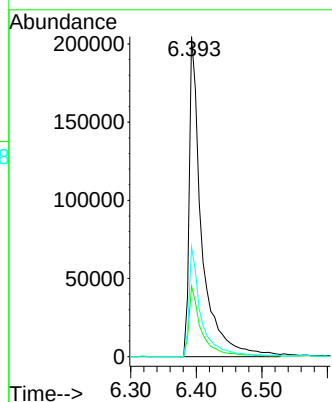
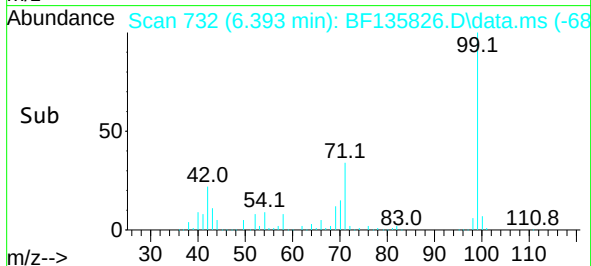
Instrument :
BNA_F
ClientSampleId :
EO-03-10132023-A



Tgt Ion: 99 Resp: 271564
Ion Ratio Lower Upper
99 100
42 22.0 18.4 27.6
71 34.3 27.2 40.8

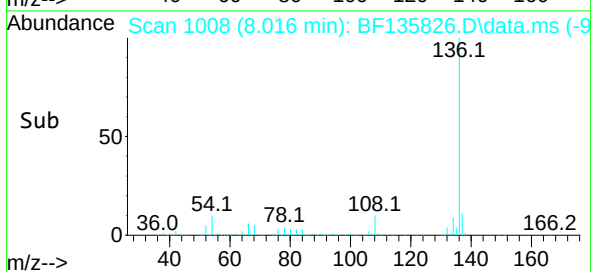
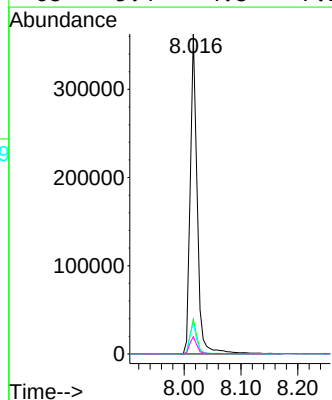
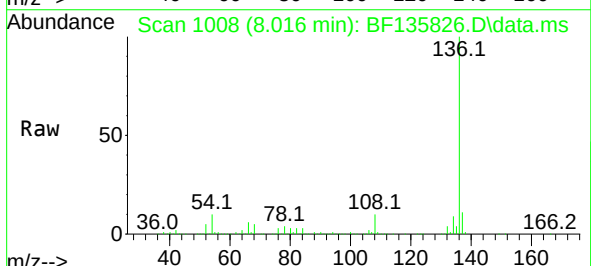
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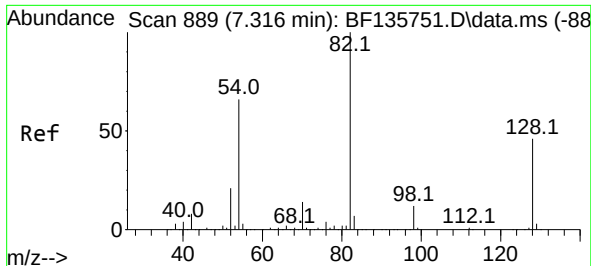
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135826.D
Acq: 17 Oct 2023 22:34

Tgt Ion:136 Resp: 308687
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 9.7 8.5 12.7
68 5.4 4.8 7.2





#23

Nitrobenzene-d5

Concen: 29.428 ng

RT: 7.304 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF135826.D

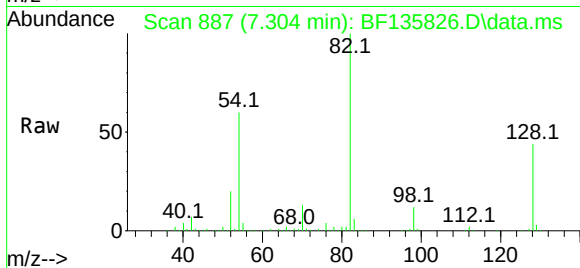
Acq: 17 Oct 2023 22:34

Instrument :

BNA_F

ClientSampleId :

EO-03-10132023-A



Tgt Ion: 82 Resp: 165169

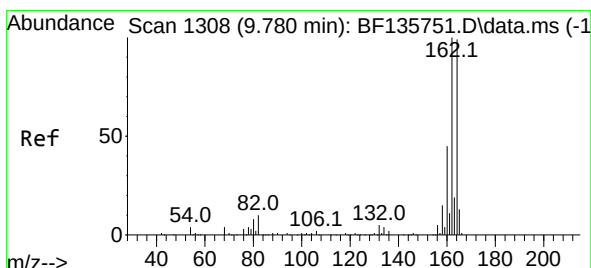
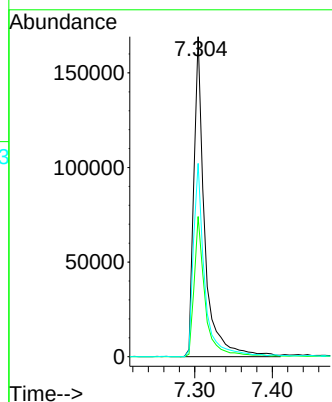
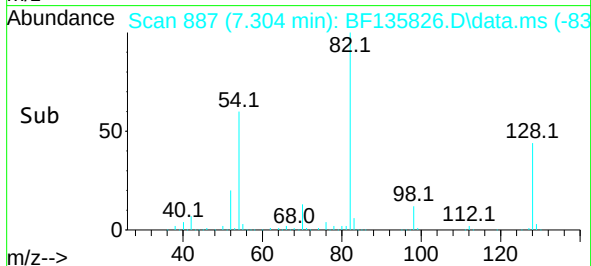
Ion	Ratio	Lower	Upper
82	100		
128	43.8	37.0	55.6
54	60.4	52.8	79.2

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Supervised By :mohammad ahmed 10/18/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.775 min Scan# 1307

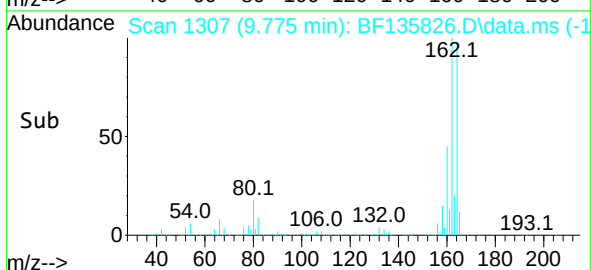
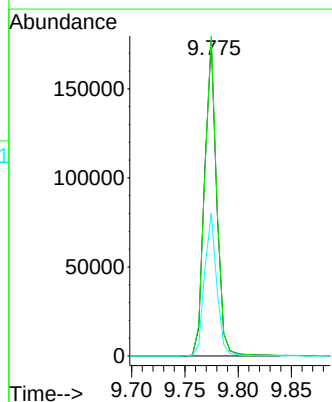
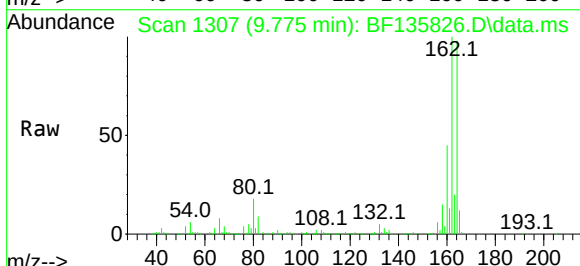
Delta R.T. -0.012 min

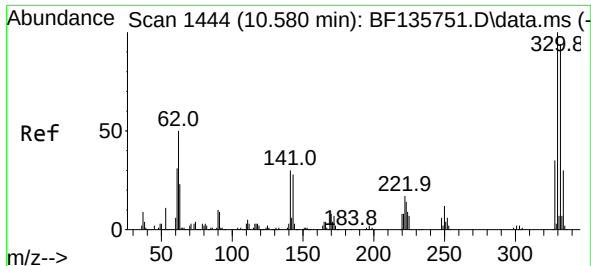
Lab File: BF135826.D

Acq: 17 Oct 2023 22:34

Tgt Ion:164 Resp: 140780

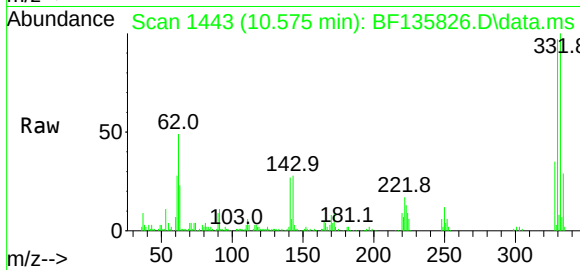
Ion	Ratio	Lower	Upper
164	100		
162	101.6	80.8	121.2
160	45.4	36.6	54.8





#42
2,4,6-Tribromophenol
Concen: 39.908 ng
RT: 10.575 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF135826.D
Acq: 17 Oct 2023 22:34

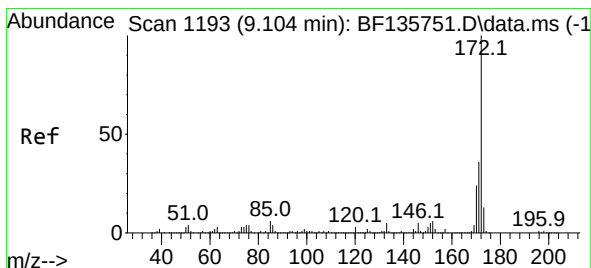
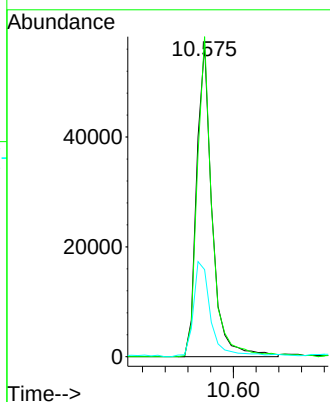
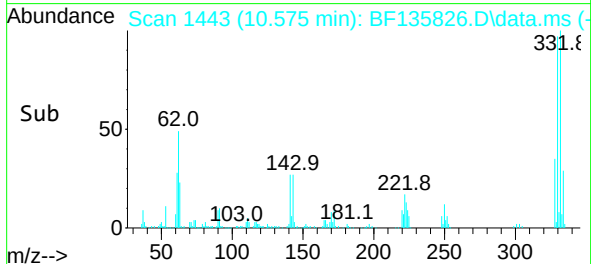
Instrument :
BNA_F
ClientSampleId :
EO-03-10132023-A



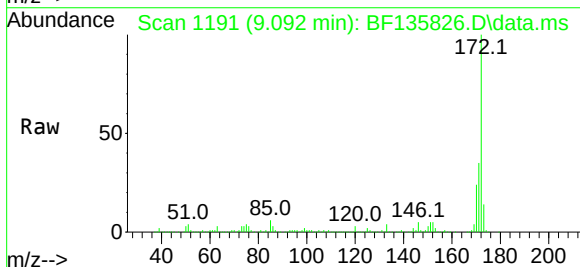
Tgt Ion: 330 Resp: 5391
Ion Ratio Lower Upper
330 100
332 99.6 75.0 112.4
141 35.2 25.8 38.6

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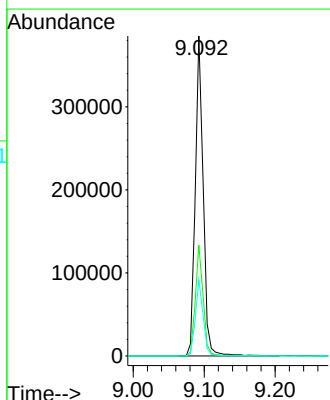
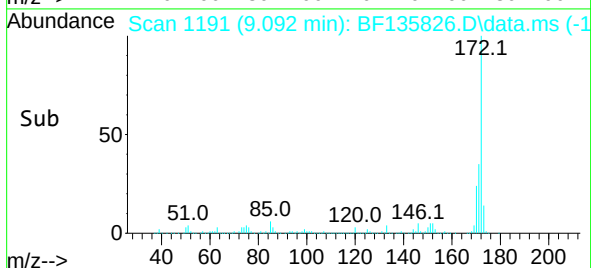
Reviewed By : Yogesh Patel 10/18/2023
Supervised By : mohammad ahmed 10/18/2023

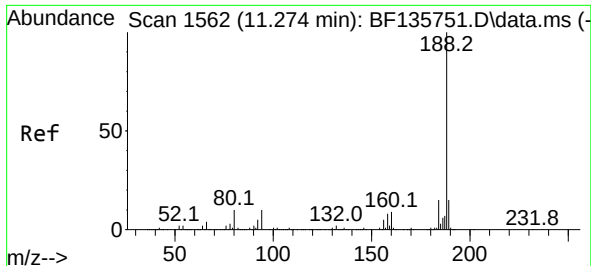


#45
2-Fluorobiphenyl
Concen: 33.459 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.012 min
Lab File: BF135826.D
Acq: 17 Oct 2023 22:34



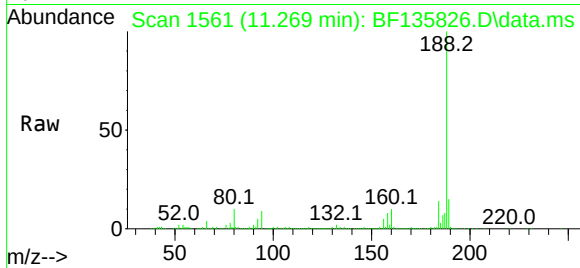
Tgt Ion: 172 Resp: 301265
Ion Ratio Lower Upper
172 100
171 34.7 28.4 42.6
170 23.8 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.012 min
Lab File: BF135826.D
Acq: 17 Oct 2023 22:34

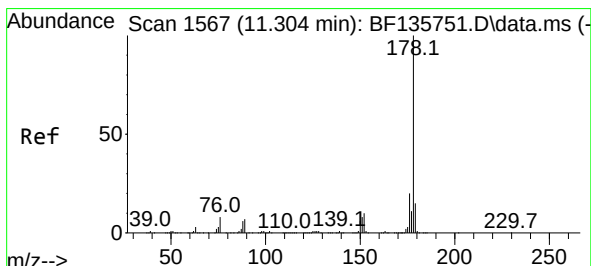
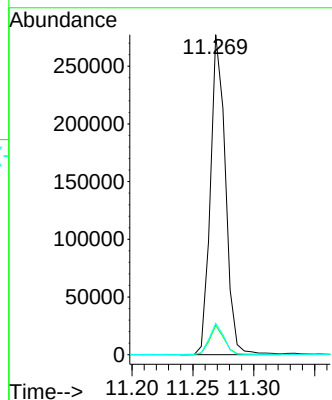
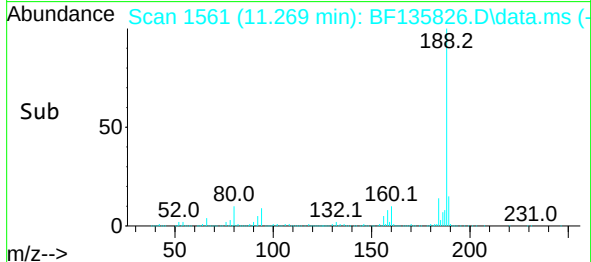
Instrument :
BNA_F
ClientSampleId :
EO-03-10132023-A



Tgt Ion:188 Resp: 23704
Ion Ratio Lower Upper
188 100
94 9.2 8.0 12.0
80 9.8 8.3 12.5

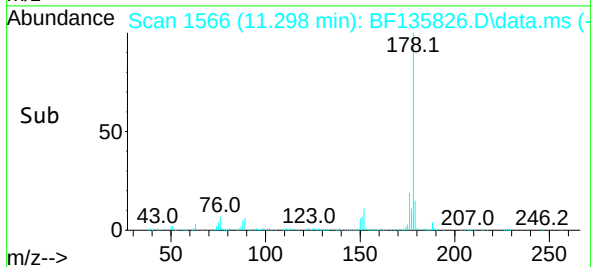
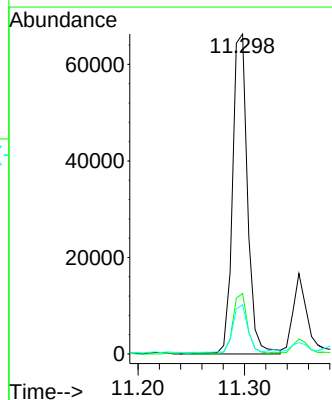
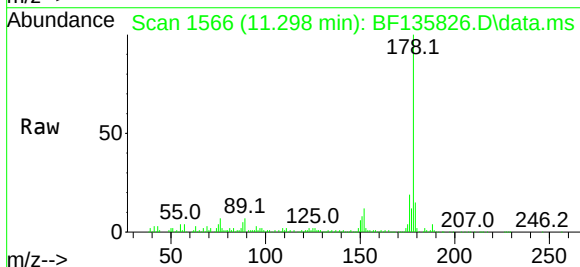
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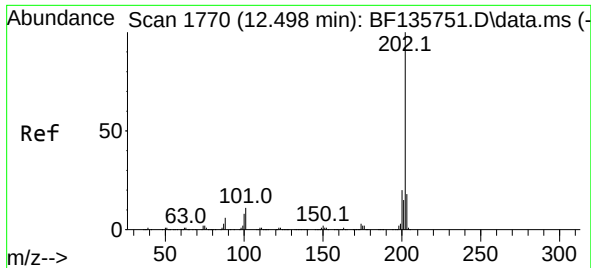
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023



#71
Phenanthrene
Concen: 5.734 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF135826.D
Acq: 17 Oct 2023 22:34

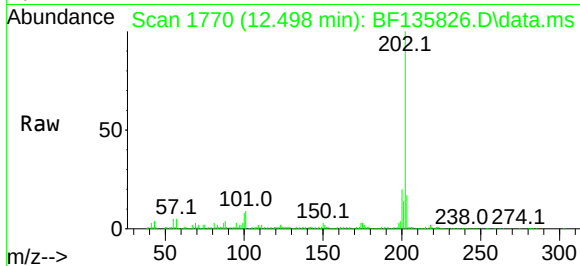
Tgt Ion:178 Resp: 65110
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 15.4 12.2 18.4





#75
Fluoranthene
Concen: 8.173 ng
RT: 12.498 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135826.D
Acq: 17 Oct 2023 22:34

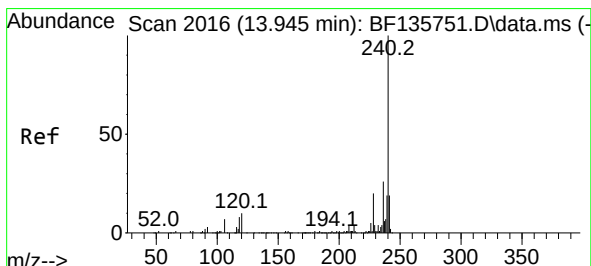
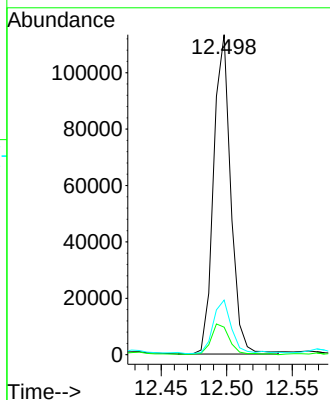
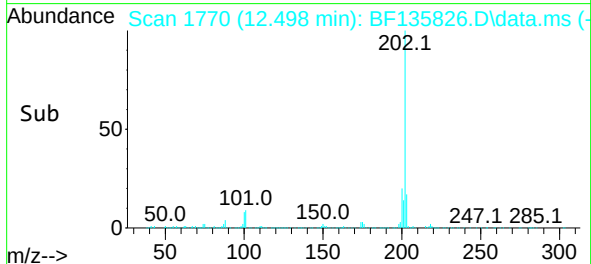
Instrument :
BNA_F
ClientSampleId :
EO-03-10132023-A



Tgt Ion:202 Resp: 10300
Ion Ratio Lower Upper
202 100
101 8.6 0.0 31.5
203 17.1 0.0 38.3

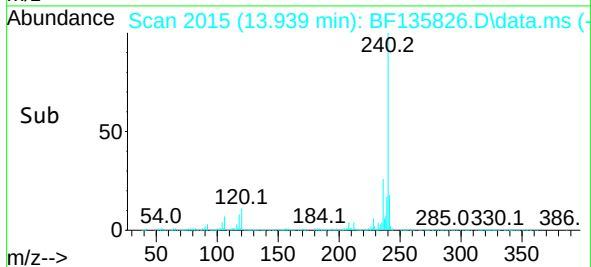
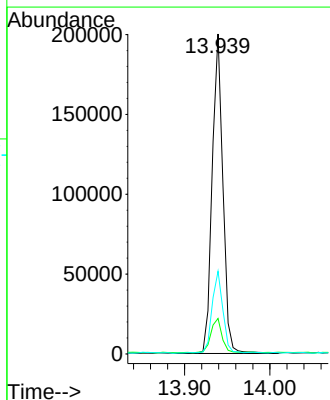
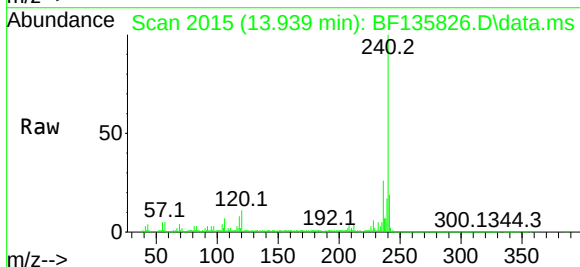
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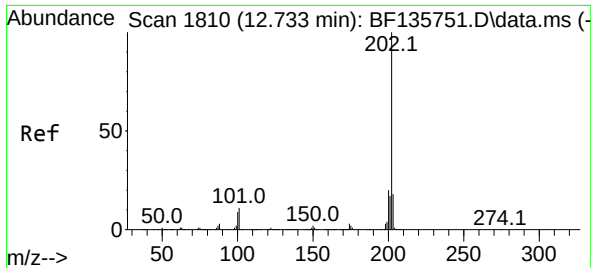
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF135826.D
Acq: 17 Oct 2023 22:34

Tgt Ion:240 Resp: 175013
Ion Ratio Lower Upper
240 100
120 11.1 8.2 12.2
236 25.9 21.2 31.8





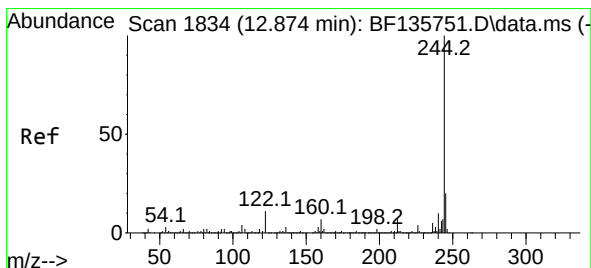
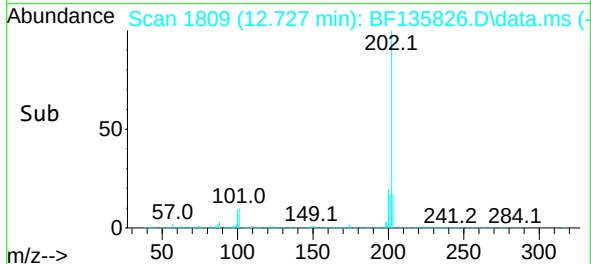
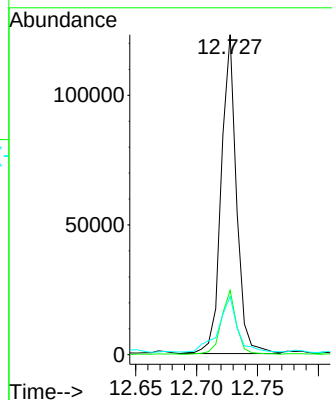
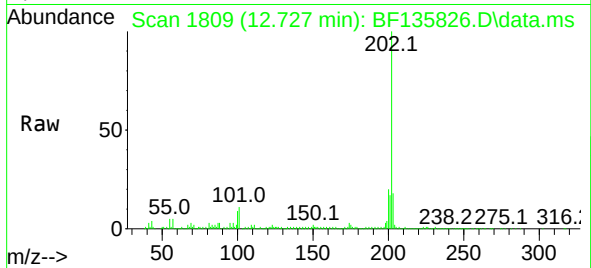
#78
Pyrene
Concen: 7.721 ng
RT: 12.727 min Scan# 1809
Delta R.T. -0.006 min
Lab File: BF135826.D
Acq: 17 Oct 2023 22:34

Instrument :
BNA_F
ClientSampleId :
EO-03-10132023-A

Tgt Ion:202 Resp: 10737
Ion Ratio Lower Upper
202 100
200 20.1 16.1 24.1
203 18.2 14.2 21.2

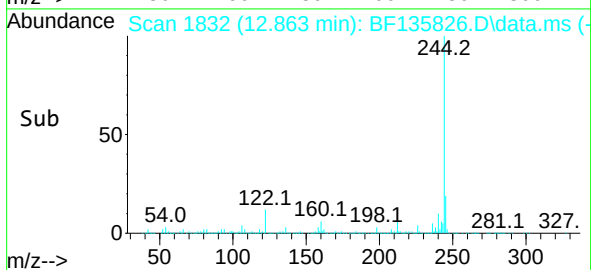
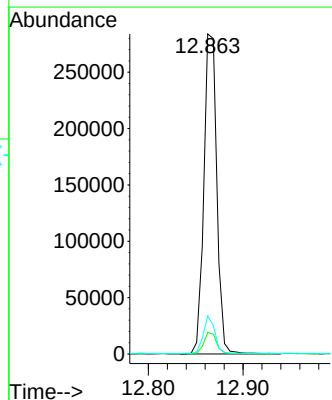
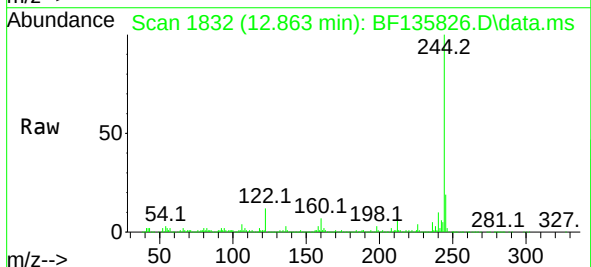
Manual Integrations
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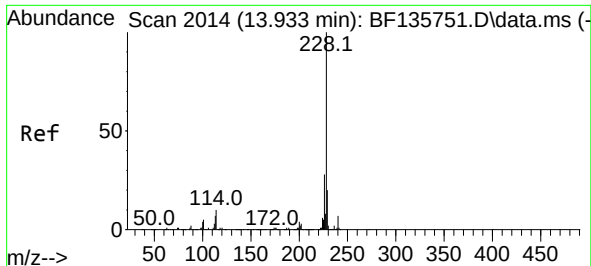
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023



#79
Terphenyl-d14
Concen: 28.698 ng
RT: 12.863 min Scan# 1832
Delta R.T. -0.018 min
Lab File: BF135826.D
Acq: 17 Oct 2023 22:34

Tgt Ion:244 Resp: 271212
Ion Ratio Lower Upper
244 100
212 6.7 5.6 8.4
122 11.8 9.0 13.6





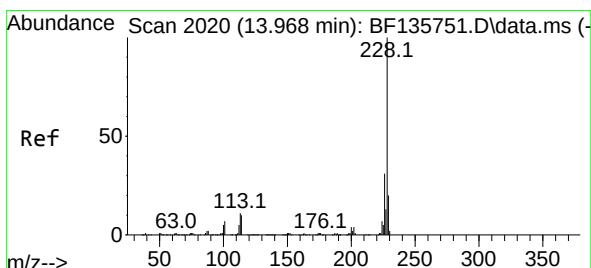
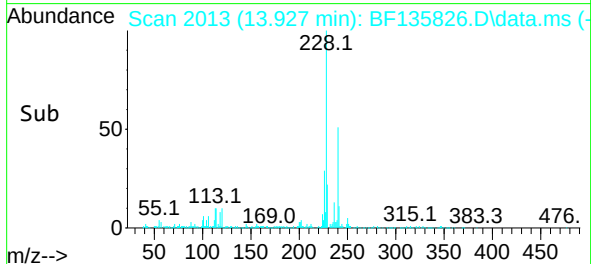
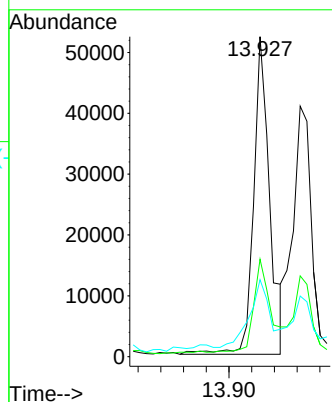
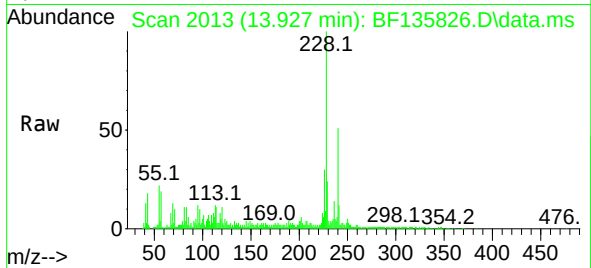
#81
Benzo(a)anthracene
Concen: 4.468 ng
RT: 13.927 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF135826.D
Acq: 17 Oct 2023 22:34

Instrument :
BNA_F
ClientSampleId :
EO-03-10132023-A

Tgt Ion:228 Resp: 5136
Ion Ratio Lower Upper
228 100
226 30.5 22.2 33.2
229 24.0 16.1 24.1

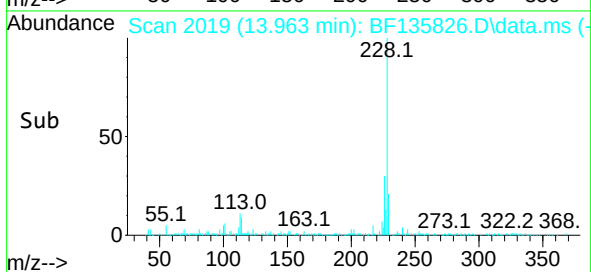
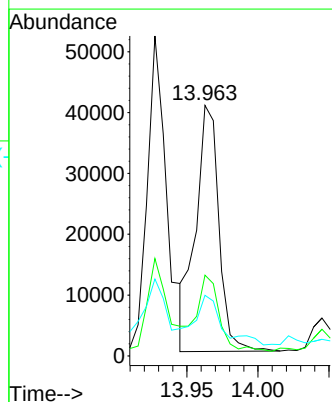
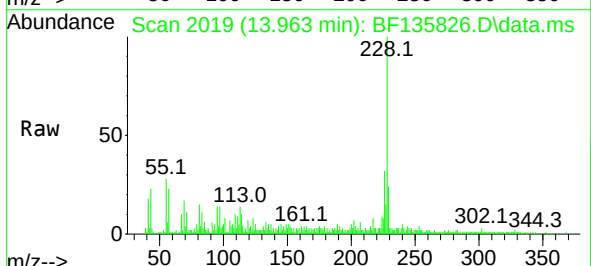
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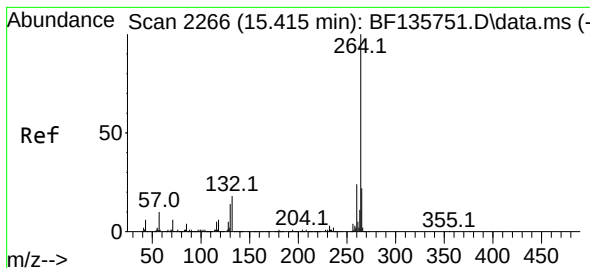
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023



#83
Chrysene
Concen: 4.153 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF135826.D
Acq: 17 Oct 2023 22:34

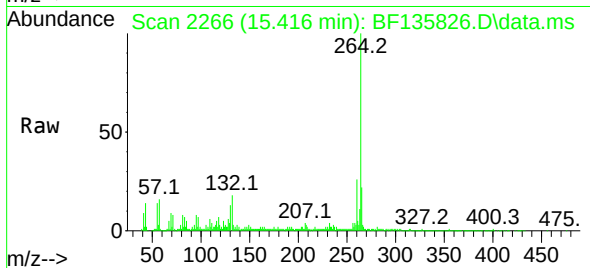
Tgt Ion:228 Resp: 46246
Ion Ratio Lower Upper
228 100
226 32.2 24.4 36.6
229 24.2 15.7 23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.416 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF135826.D
Acq: 17 Oct 2023 22:34

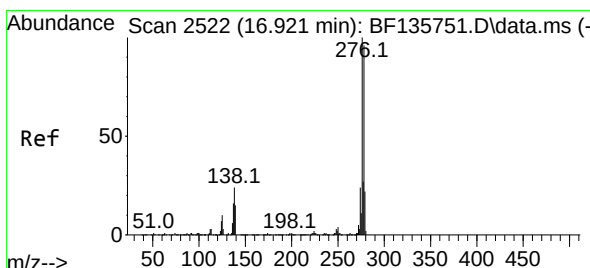
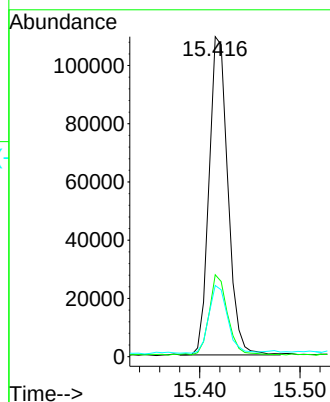
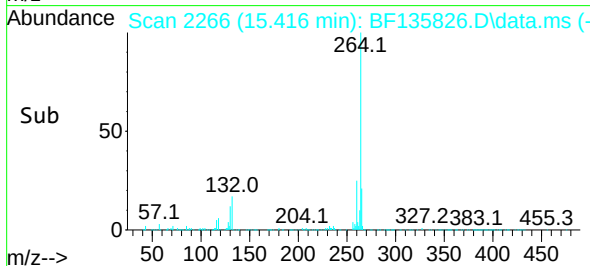
Instrument :
BNA_F
ClientSampleId :
EO-03-10132023-A



Tgt Ion:264 Resp: 14307
Ion Ratio Lower Upper
264 100
260 25.6 19.2 28.8
265 22.3 17.4 26.2

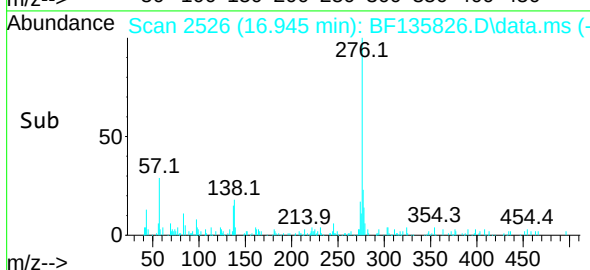
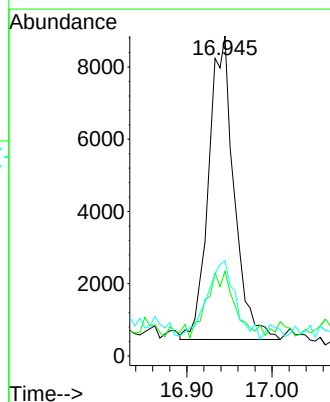
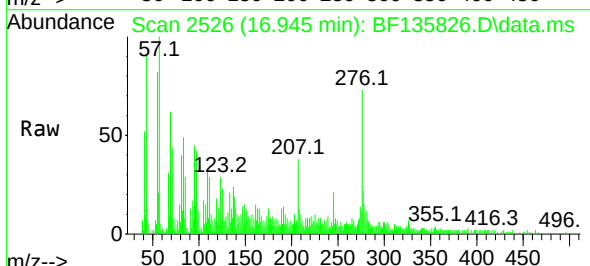
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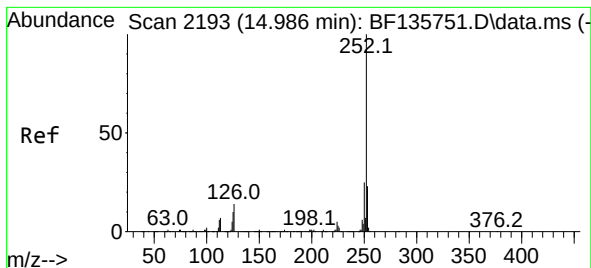
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.228 ng
RT: 16.945 min Scan# 2526
Delta R.T. 0.012 min
Lab File: BF135826.D
Acq: 17 Oct 2023 22:34

Tgt Ion:276 Resp: 17372
Ion Ratio Lower Upper
276 100
138 23.2 19.8 29.6
277 29.4 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 5.840 ng m

RT: 14.992 min Scan# 2193

Delta R.T. -0.000 min

Lab File: BF135826.D

Acq: 17 Oct 2023 22:34

Instrument :

BNF

ClientSampleId :

EO-03-10132023-A

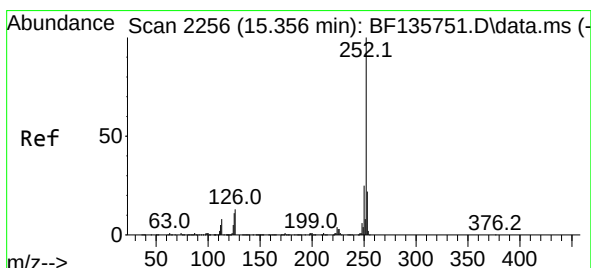
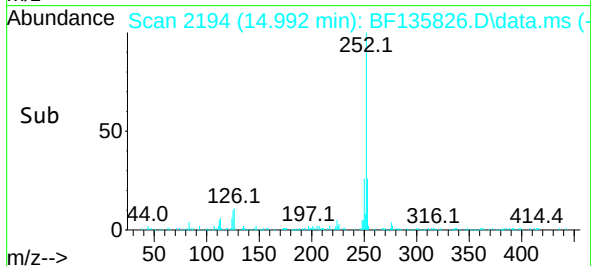
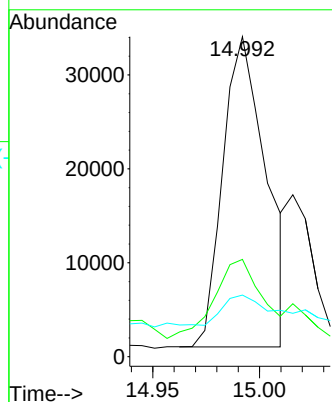
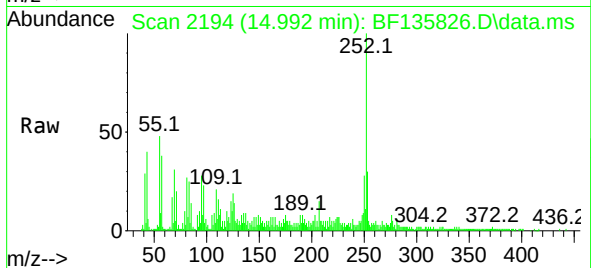
Tgt Ion:252 Resp: 46761
 Ion Ratio Lower Upper
 252 100
 253 30.4 18.2 27.2
 125 19.2 8.2 12.2

Manual Integrations

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Reviewed By :Yogesh Patel 10/18/2023

Supervised By :mohammad ahmed 10/18/2023



#90

Benzo(a)pyrene

Concen: 4.417 ng

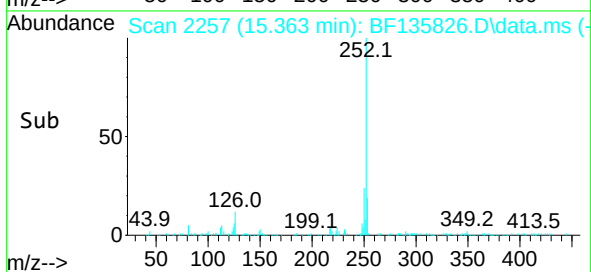
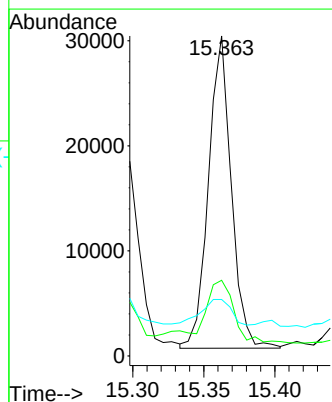
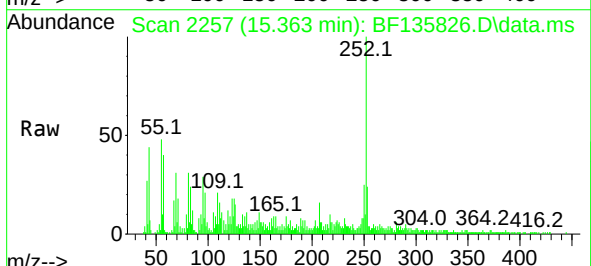
RT: 15.363 min Scan# 2257

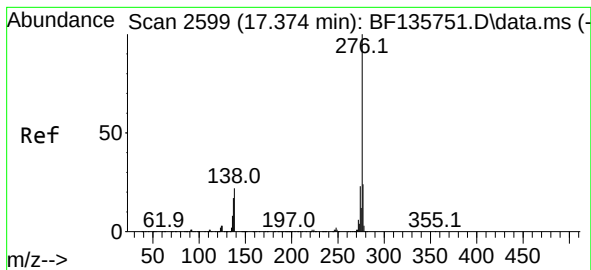
Delta R.T. -0.000 min

Lab File: BF135826.D

Acq: 17 Oct 2023 22:34

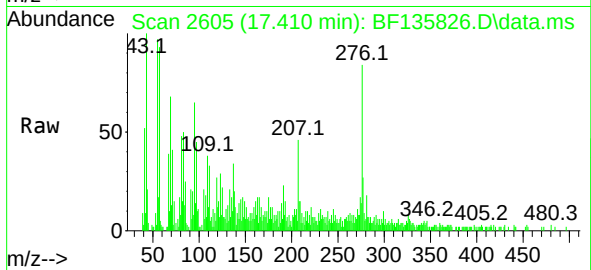
Tgt Ion:252 Resp: 33257
 Ion Ratio Lower Upper
 252 100
 253 23.7 17.4 26.2
 125 17.6 8.8 13.2





#92
Benzo(g,h,i)perylene
Concen: 2.635 ng
RT: 17.410 min Scan# 20
Delta R.T. 0.024 min
Lab File: BF135826.D
Acq: 17 Oct 2023 22:34

Instrument :
BNA_F
ClientSampleId :
EO-03-10132023-A



Tgt Ion:276 Resp: 1730
Ion Ratio Lower Upper
276 100
277 31.8 19.4 29.2
138 23.6 17.3 25.9

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023

