

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
 Data File : BF135319.D
 Acq On : 18 Sep 2023 21:51
 Operator : CG\JU
 Sample : 04441-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11976

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/19/2023
 Supervised By :mohammad ahmed 09/19/2023

Quant Time: Sep 19 00:17:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	126119	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	474702	20.000	ng	-0.01
39) Acenaphthene-d10	9.792	164	219438	20.000	ng	-0.01
64) Phenanthrene-d10	11.280	188	351223	20.000	ng	#-0.01
76) Chrysene-d12	13.939	240	210044	20.000	ng	0.00
86) Perylene-d12	15.404	264	267271	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	1068231	137.760	ng	0.01
7) Phenol-d6	6.404	99	1345182	136.428	ng	0.00
23) Nitrobenzene-d5	7.322	82	865324	99.036	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	270960	124.255	ng	-0.01
45) 2-Fluorobiphenyl	9.116	172	1434735	98.644	ng	-0.01
79) Terphenyl-d14	12.880	244	937555	69.195	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.304	178	51035	3.072	ng	98
75) Fluoranthene	12.504	202	71881	4.153	ng	99
78) Pyrene	12.733	202	57343	2.867	ng	99
83) Chrysene	13.963	228	38881m	2.883	ng	
88) Benzo(b)fluoranthene	14.980	252	45450m	3.141	ng	

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

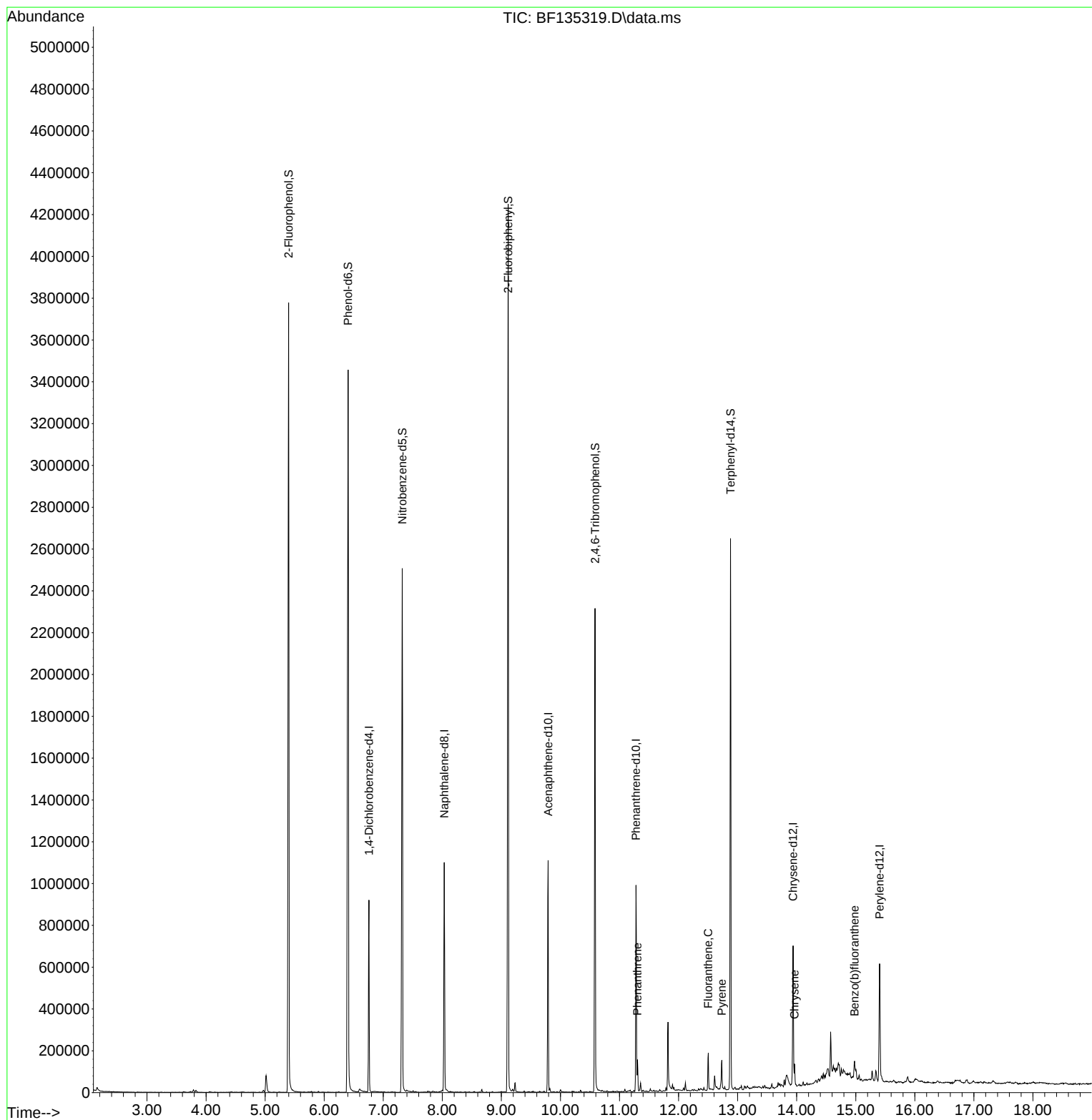
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091823\
Data File : BF135319.D
Acq On : 18 Sep 2023 21:51
Operator : CG\JU
Sample : 04441-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

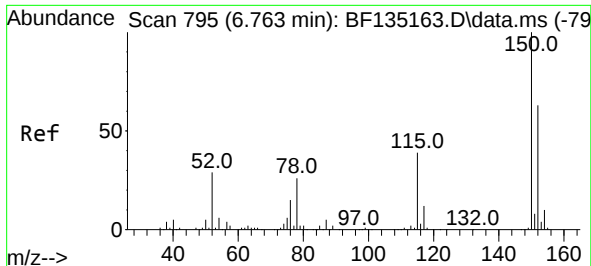
Instrument :
BNA_F
ClientSampleId :
72-11976

Quant Time: Sep 19 00:17:12 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 00:19:07 2023
Response via : Initial Calibration

Manual Integrations
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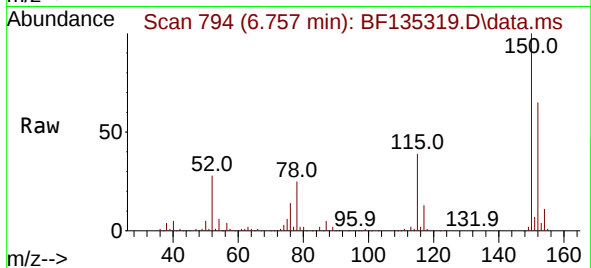
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135319.D
Acq: 18 Sep 2023 21:51

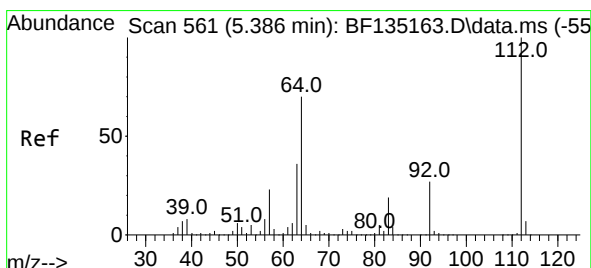
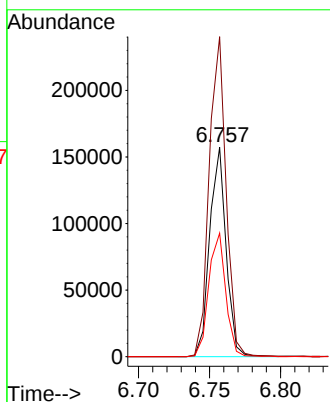
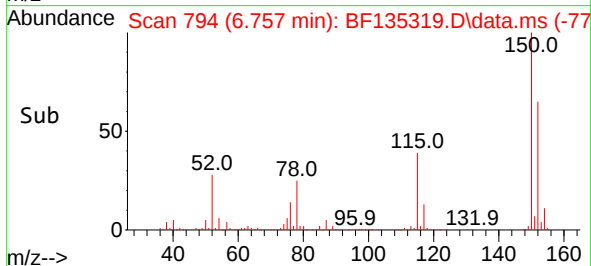
Instrument :
BNA_F
ClientSampleId :
72-11976



Tgt Ion:152 Resp: 126119
Ion Ratio Lower Upper
152 100
150 152.8 127.8 191.6
115 59.0 49.8 74.8

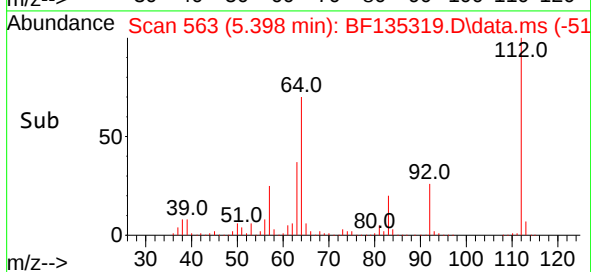
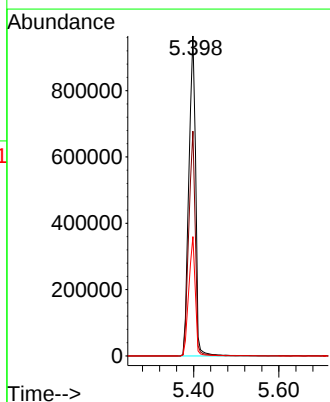
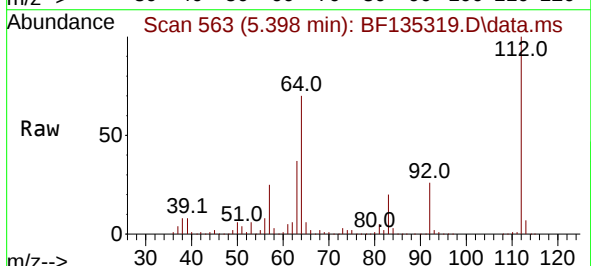
Manual Integrations
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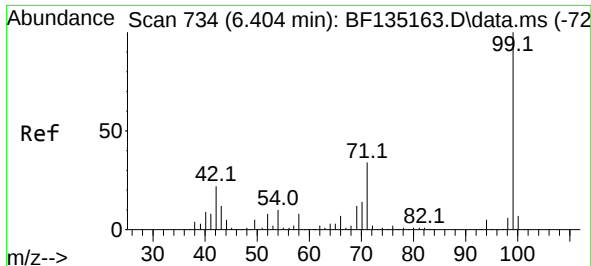
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#5
2-Fluorophenol
Concen: 137.760 ng
RT: 5.398 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF135319.D
Acq: 18 Sep 2023 21:51

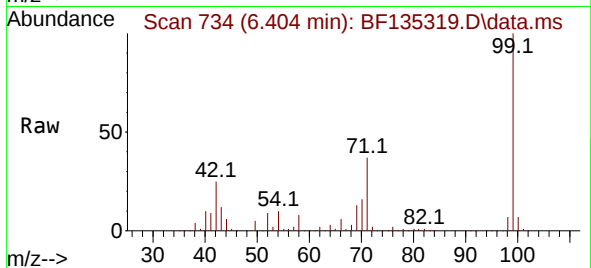
Tgt Ion:112 Resp: 1068231
Ion Ratio Lower Upper
112 100
64 70.3 55.9 83.9
63 37.3 29.0 43.6





#7
Phenol-d6
Concen: 136.428 ng
RT: 6.404 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135319.D
Acq: 18 Sep 2023 21:51

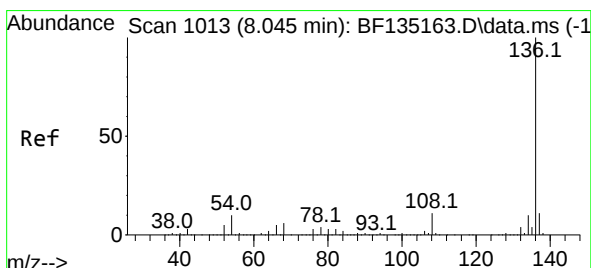
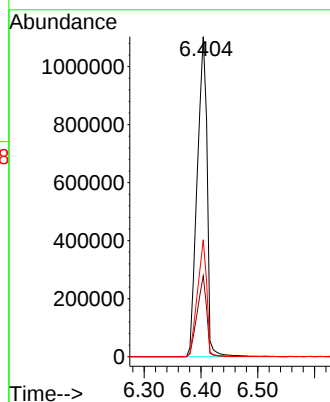
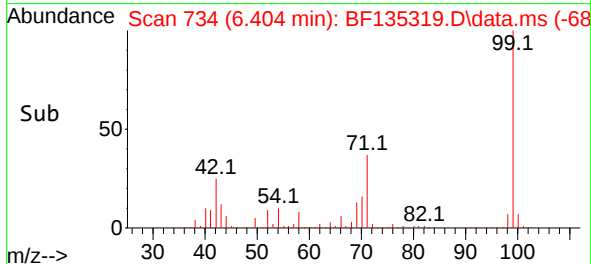
Instrument :
BNA_F
ClientSampleId :
72-11976



Tgt Ion: 99 Resp: 134518
Ion Ratio Lower Upper
99 100
42 25.3 17.9 26.9
71 36.6 27.0 40.6

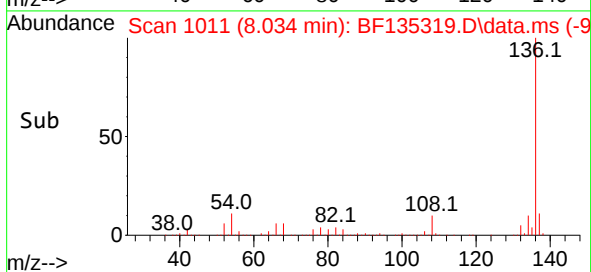
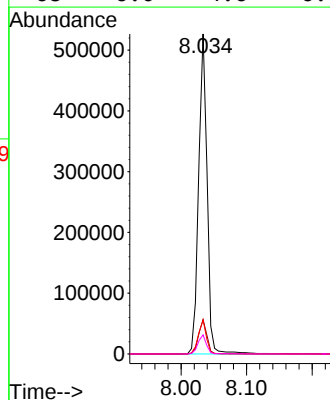
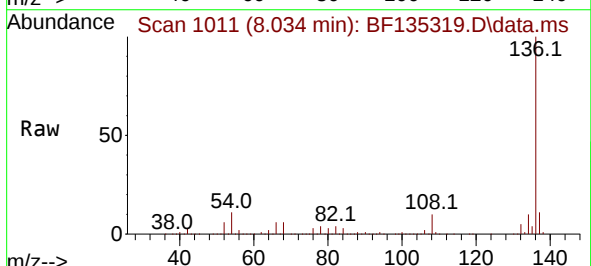
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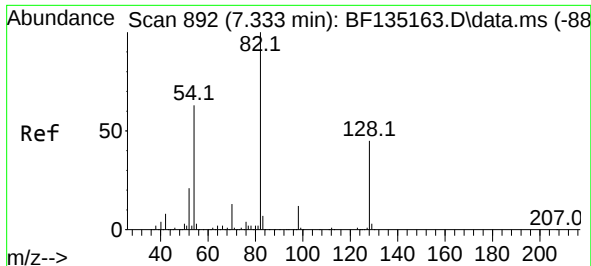
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1011
Delta R.T. -0.012 min
Lab File: BF135319.D
Acq: 18 Sep 2023 21:51

Tgt Ion:136 Resp: 474702
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 10.6 7.7 11.5
68 6.0 4.6 6.8





#23

Nitrobenzene-d5

Concen: 99.036 ng

RT: 7.322 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF135319.D

Acq: 18 Sep 2023 21:51

Instrument :

BNA_F

ClientSampleId :

72-11976

Tgt Ion: 82 Resp: 865324

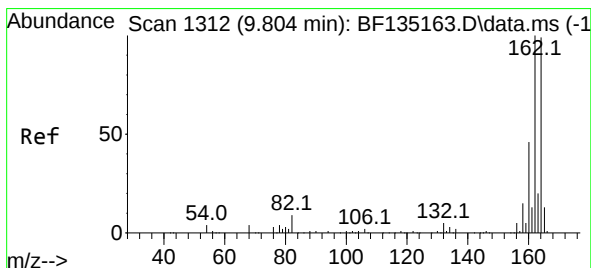
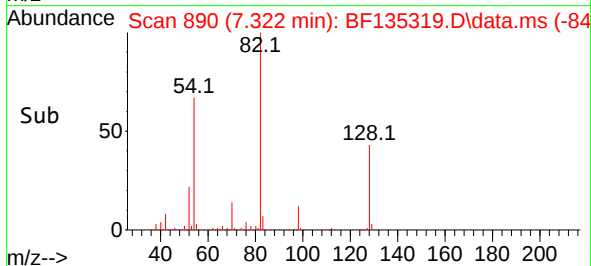
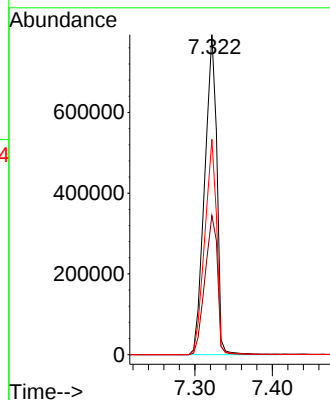
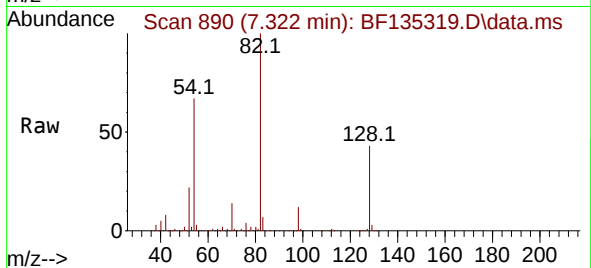
Ion	Ratio	Lower	Upper
82	100		
128	43.5	35.8	53.6
54	67.3	50.6	76.0

Manual Integrations

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Reviewed By :Yogesh Patel 09/19/2023

Supervised By :mohammad ahmed 09/19/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.792 min Scan# 1310

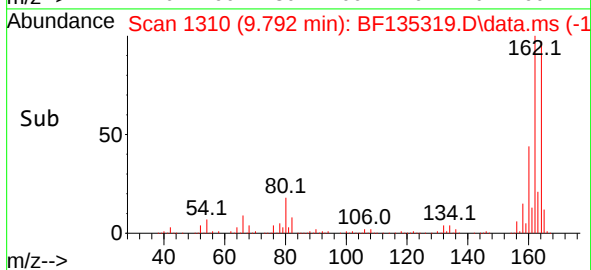
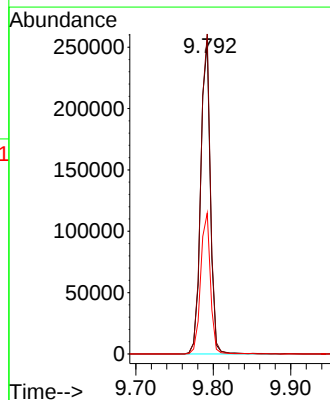
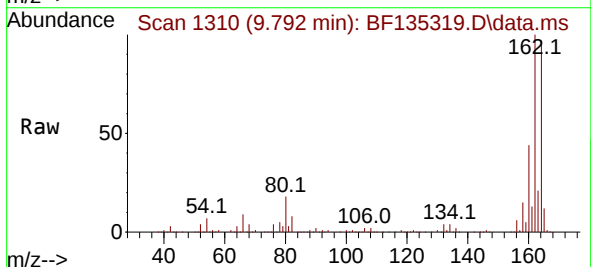
Delta R.T. -0.012 min

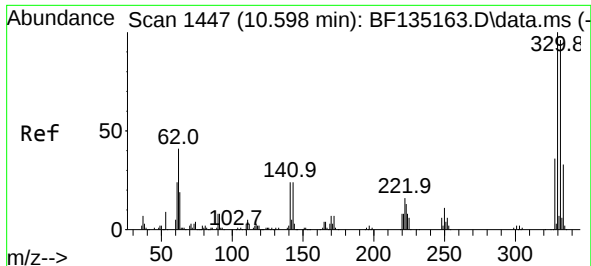
Lab File: BF135319.D

Acq: 18 Sep 2023 21:51

Tgt Ion:164 Resp: 219438

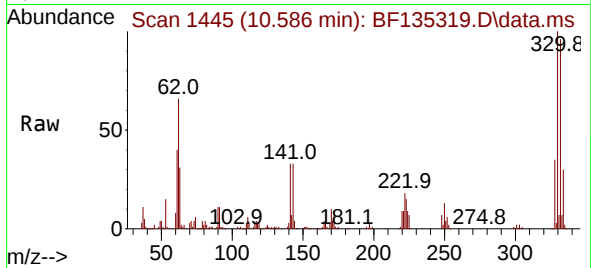
Ion	Ratio	Lower	Upper
164	100		
162	103.1	81.0	121.4
160	45.4	37.0	55.4





#42
 2,4,6-Tribromophenol
 Concen: 124.255 ng
 RT: 10.586 min Scan# 1445
 Delta R.T. -0.012 min
 Lab File: BF135319.D
 Acq: 18 Sep 2023 21:51

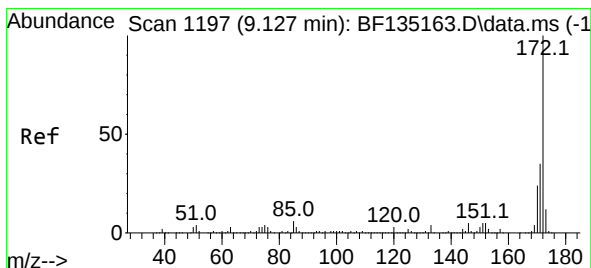
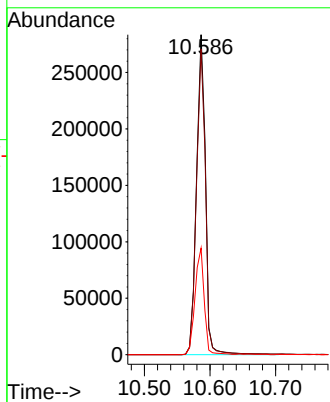
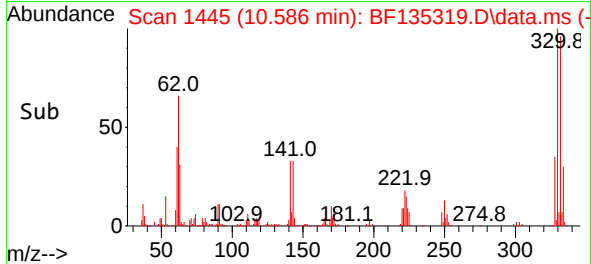
Instrument :
 BNA_F
 ClientSampleId :
 72-11976



Tgt Ion: 330 Resp: 270960
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.3 115.9
 141 34.1 25.8 38.8

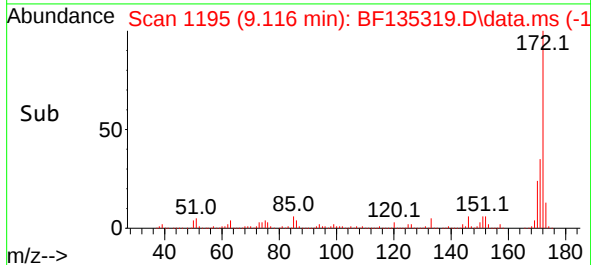
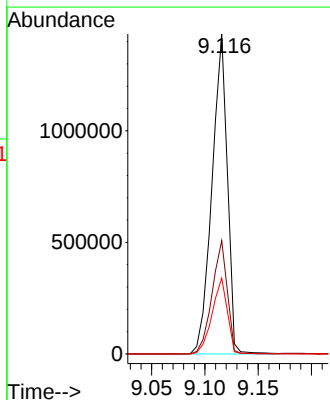
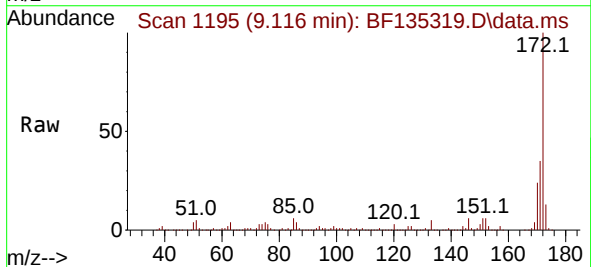
Manual Integrations
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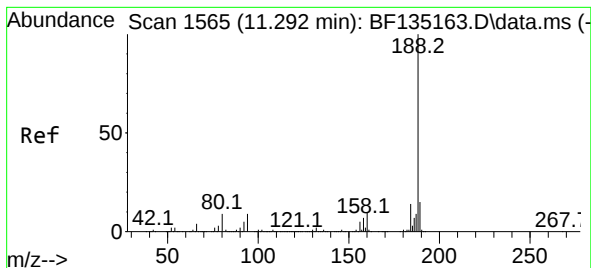
Reviewed By : Yogesh Patel 09/19/2023
 Supervised By : mohammad ahmed 09/19/2023



#45
 2-Fluorobiphenyl
 Concen: 98.644 ng
 RT: 9.116 min Scan# 1195
 Delta R.T. -0.012 min
 Lab File: BF135319.D
 Acq: 18 Sep 2023 21:51

Tgt Ion: 172 Resp: 1434735
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.4 42.6
 170 23.7 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.280 min Scan# 1563

Delta R.T. -0.012 min

Lab File: BF135319.D

Acq: 18 Sep 2023 21:51

Instrument :

BNA_F

ClientSampleId :

72-11976

Tgt Ion:188 Resp: 35122

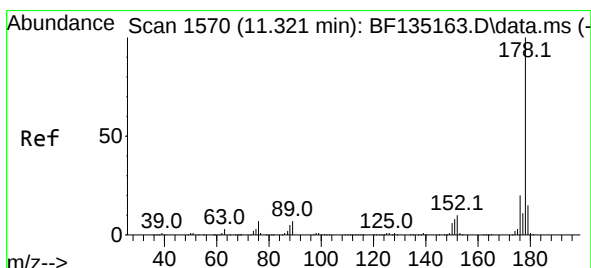
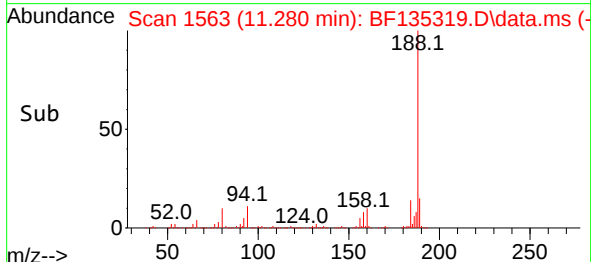
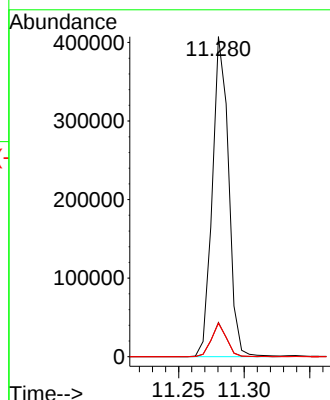
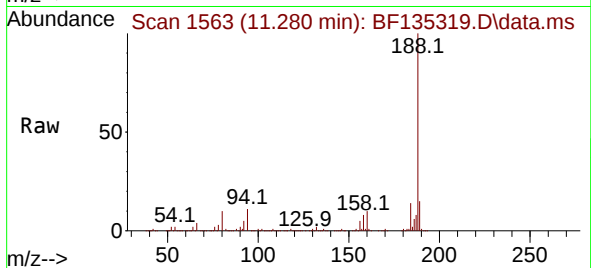
Ion	Ratio	Lower	Upper
188	100		
94	10.7	7.0	10.6
80	10.4	7.5	11.3

Manual Integrations

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Reviewed By :Yogesh Patel 09/19/2023

Supervised By :mohammad ahmed 09/19/2023



#71

Phenanthrene

Concen: 3.072 ng

RT: 11.304 min Scan# 1567

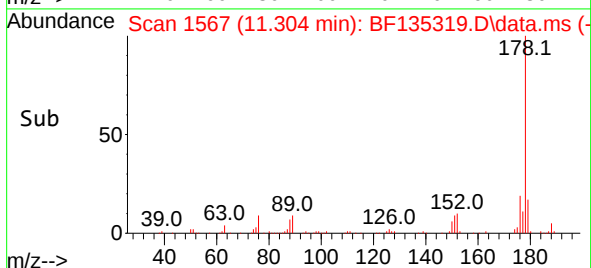
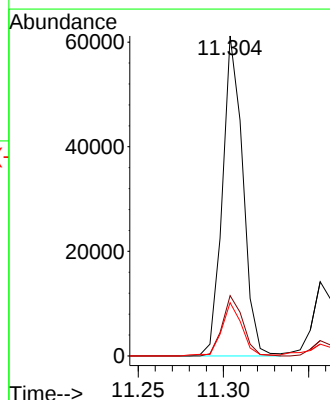
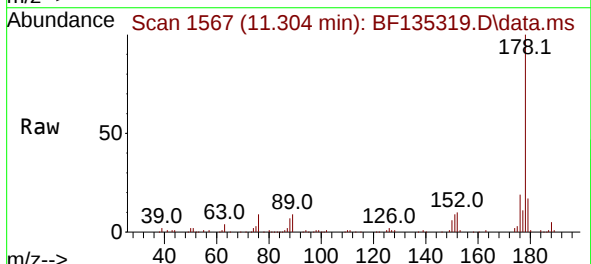
Delta R.T. -0.018 min

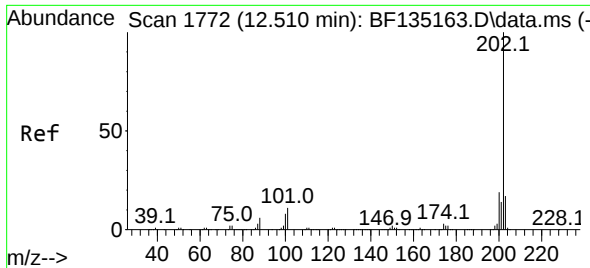
Lab File: BF135319.D

Acq: 18 Sep 2023 21:51

Tgt Ion:178 Resp: 51035

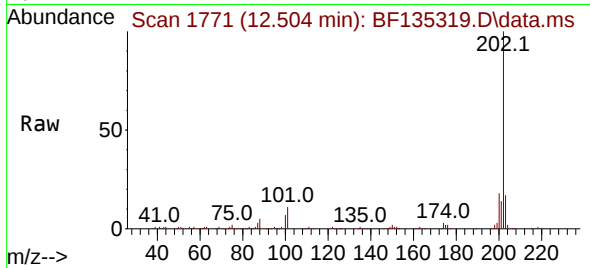
Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.6	23.4
179	16.6	12.0	18.0





#75
Fluoranthene
Concen: 4.153 ng
RT: 12.504 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135319.D
Acq: 18 Sep 2023 21:51

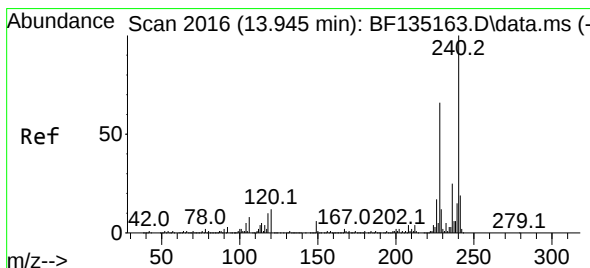
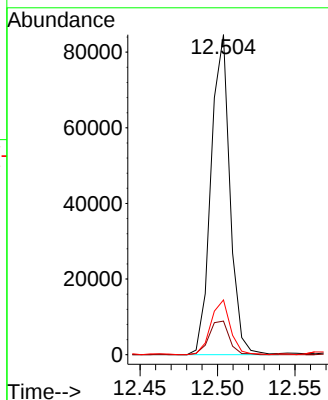
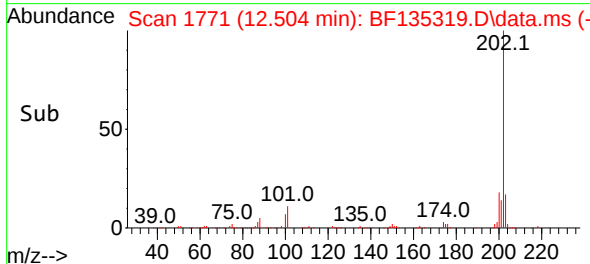
Instrument :
BNA_F
ClientSampleId :
72-11976



Tgt Ion:202 Resp: 7188
Ion Ratio Lower Upper
202 100
101 10.5 0.0 31.3
203 17.1 0.0 37.4

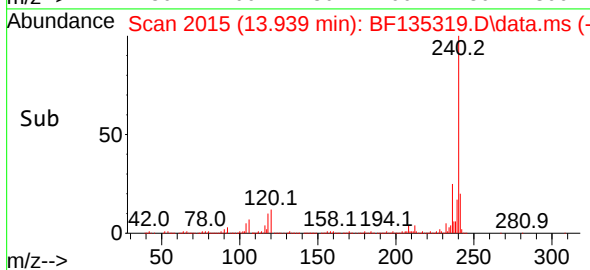
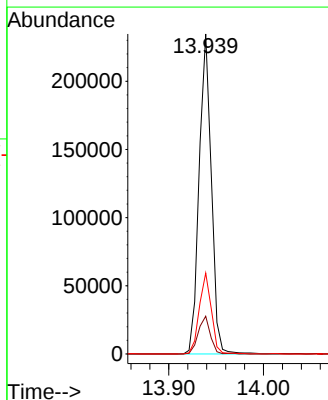
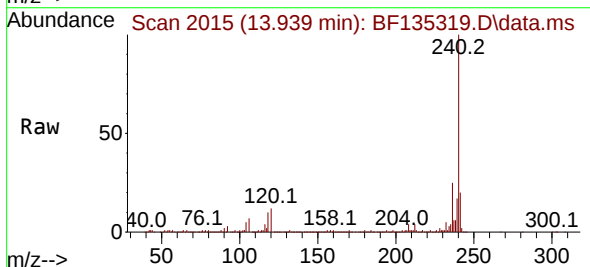
Manual Integrations
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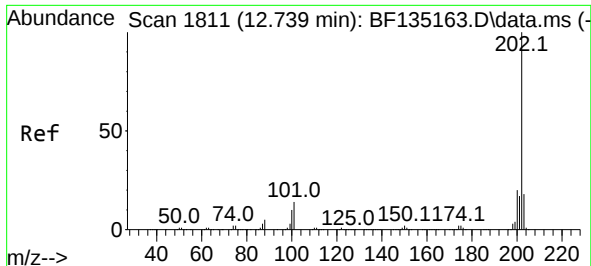
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF135319.D
Acq: 18 Sep 2023 21:51

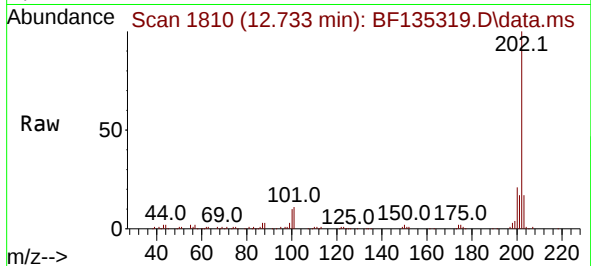
Tgt Ion:240 Resp: 210044
Ion Ratio Lower Upper
240 100
120 11.8 9.4 14.2
236 25.3 19.8 29.8





#78
Pyrene
Concen: 2.867 ng
RT: 12.733 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BF135319.D
Acq: 18 Sep 2023 21:51

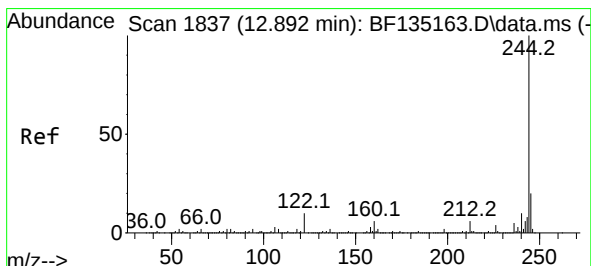
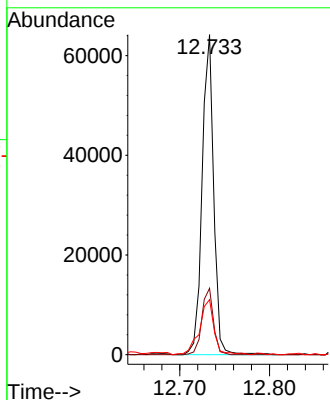
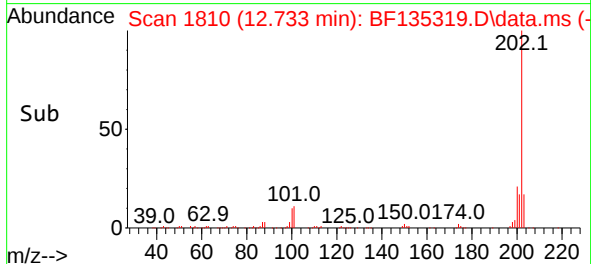
Instrument :
BNA_F
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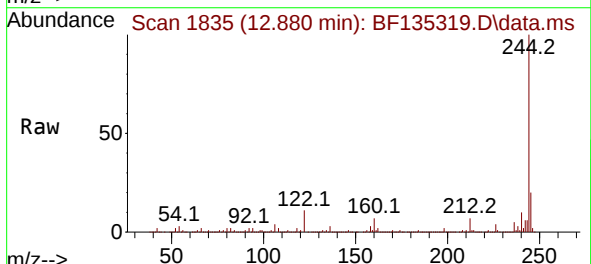
Tgt Ion:202 Resp: 5734
Ion Ratio Lower Upper
202 100
200 20.7 16.2 24.2
203 17.2 14.2 21.4

Manual Integrations
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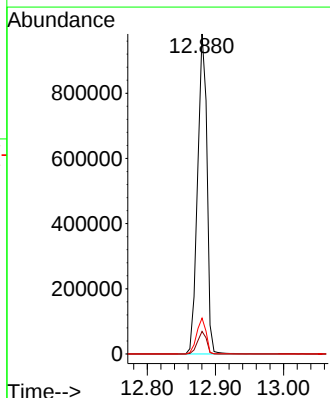
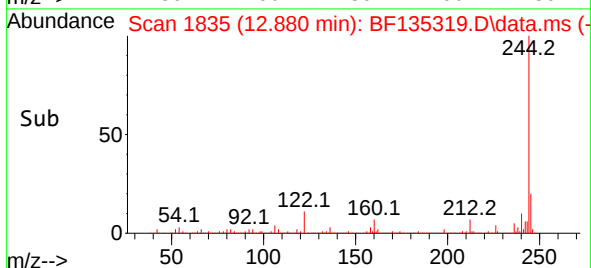
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023

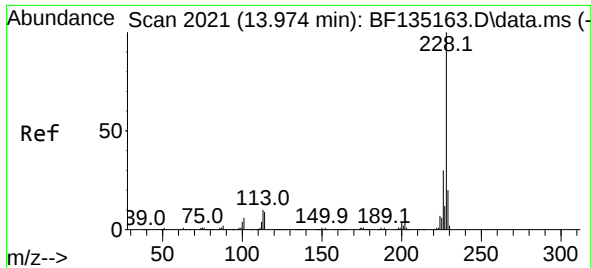


#79
Terphenyl-d14
Concen: 69.195 ng
RT: 12.880 min Scan# 1835
Delta R.T. -0.012 min
Lab File: BF135319.D
Acq: 18 Sep 2023 21:51



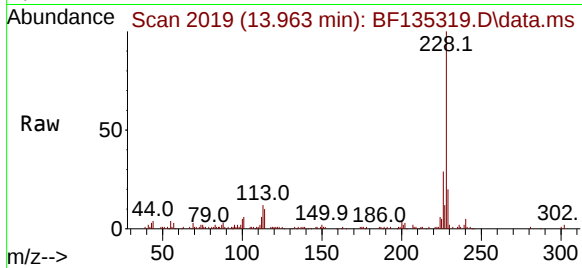
Tgt Ion:244 Resp: 937555
Ion Ratio Lower Upper
244 100
212 7.1 5.1 7.7
122 11.2 7.9 11.9





#83
Chrysene
Concen: 2.883 ng m
RT: 13.963 min Scan# 2021
Delta R.T. -0.012 min
Lab File: BF135319.D
Acq: 18 Sep 2023 21:51

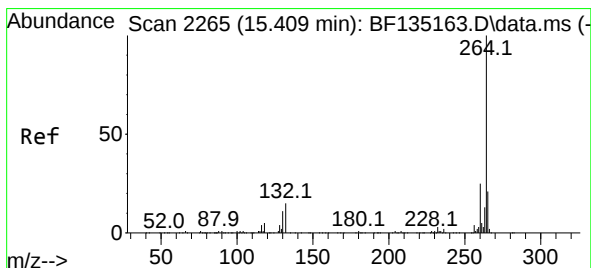
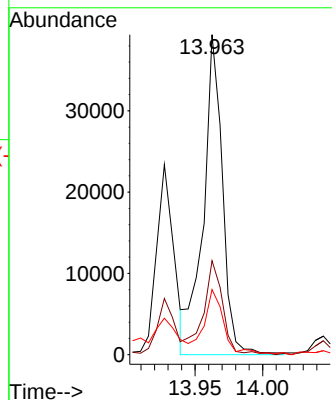
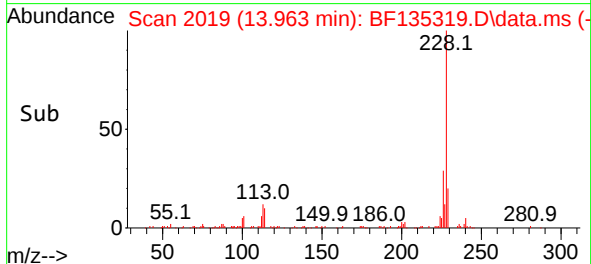
Instrument :
BNA_F
ClientSampleId :
72-11976



Tgt Ion:228 Resp: 3888
Ion Ratio Lower Upper
228 100
226 29.3 24.3 36.5
229 20.4 16.0 24.0

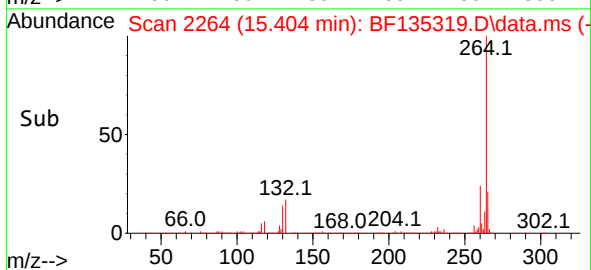
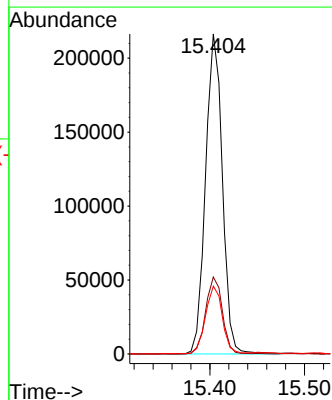
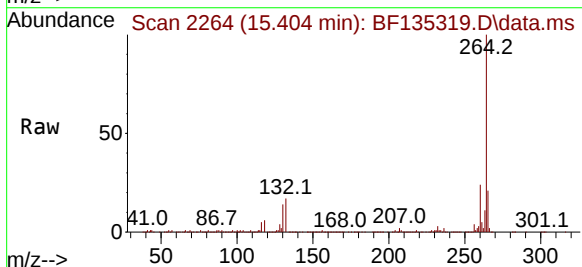
Manual Integrations
APPROVED

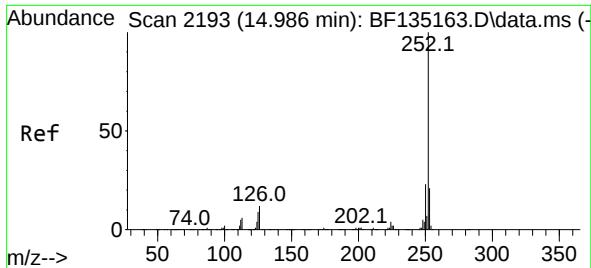
Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.404 min Scan# 2264
Delta R.T. -0.006 min
Lab File: BF135319.D
Acq: 18 Sep 2023 21:51

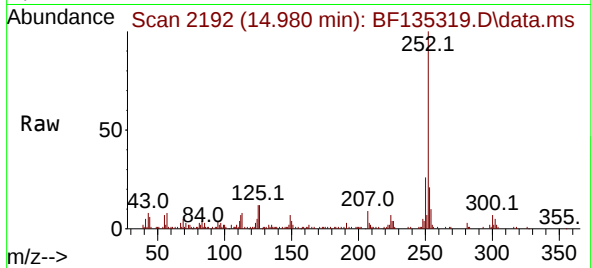
Tgt Ion:264 Resp: 267271
Ion Ratio Lower Upper
264 100
260 24.0 19.8 29.6
265 21.2 17.0 25.4





#88
Benzo(b)fluoranthene
Concen: 3.141 ng m
RT: 14.980 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF135319.D
Acq: 18 Sep 2023 21:51

Instrument :
BNA_F
ClientSampleId :
72-11976



Tgt Ion:252 Resp: 45450
Ion Ratio Lower Upper
252 100
253 21.3 17.2 25.8
125 11.6 7.1 10.7

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/19/2023
Supervised By :mohammad ahmed 09/19/2023

