

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092923\
 Data File : BF135517.D
 Acq On : 29 Sep 2023 15:43
 Operator : CG\JU
 Sample : 04638-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONC-WC-1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/02/2023
 Supervised By :mohammad ahmed 10/03/2023

Quant Time: Sep 30 00:22:03 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 30 00:12:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.745	152	156510	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	563585	20.000	ng	# 0.00
39) Acenaphthene-d10	9.781	164	239688	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	366369	20.000	ng	# 0.00
76) Chrysene-d12	13.927	240	288322	20.000	ng	0.00
86) Perylene-d12	15.392	264	290189	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	794594	82.574	ng	0.00
7) Phenol-d6	6.398	99	1004599	82.102	ng	0.00
23) Nitrobenzene-d5	7.310	82	623332	60.089	ng	-0.01
42) 2,4,6-Tribromophenol	10.575	330	122498	51.428	ng	0.00
45) 2-Fluorobiphenyl	9.104	172	1032916	65.017	ng	0.00
79) Terphenyl-d14	12.869	244	824485	44.329	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.298	178	69865	4.032	ng	98
75) Fluoranthene	12.492	202	177136	9.811	ng	98
78) Pyrene	12.722	202	143995	5.246	ng	98
81) Benzo(a)anthracene	13.916	228	63577	3.415	ng	98
83) Chrysene	13.957	228	84528	4.567	ng	98
87) Indeno(1,2,3-cd)pyrene	16.868	276	42215	2.219	ng	99
88) Benzo(b)fluoranthene	14.968	252	120566m	7.675	ng	
89) Benzo(k)fluoranthene	14.992	252	32872m	2.118	ng	
90) Benzo(a)pyrene	15.333	252	64254	4.289	ng	98
92) Benzo(g,h,i)perylene	17.315	276	38849	2.389	ng	# 91

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

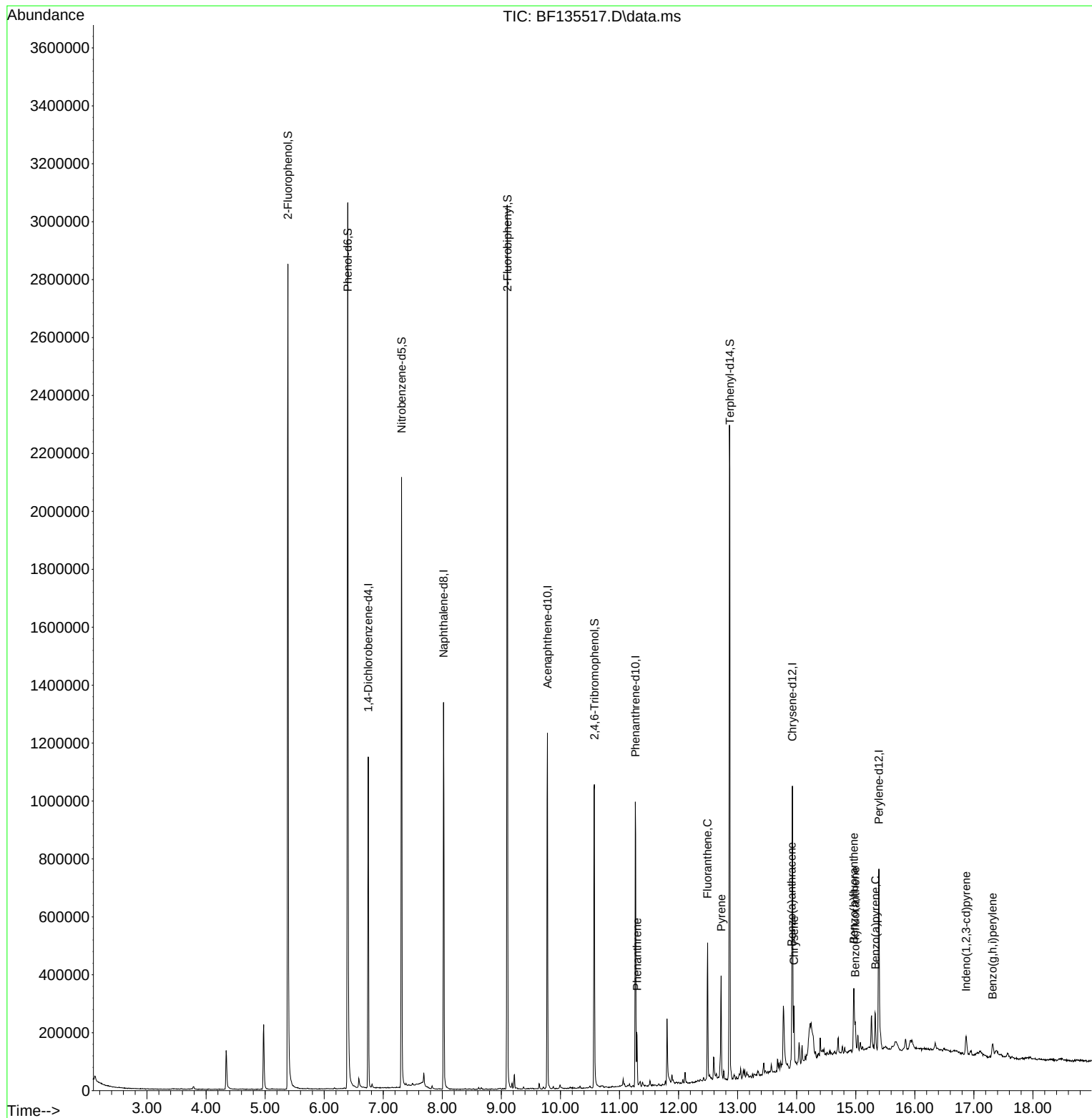
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092923\
Data File : BF135517.D
Acq On : 29 Sep 2023 15:43
Operator : CG\JU
Sample : 04638-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

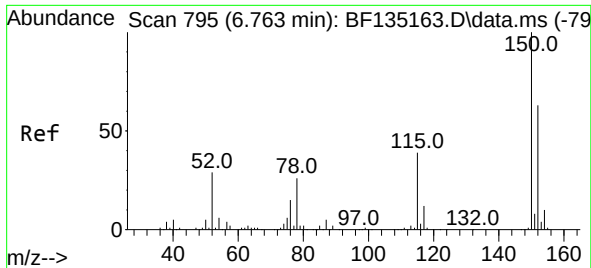
Instrument :
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CONC-WC-1

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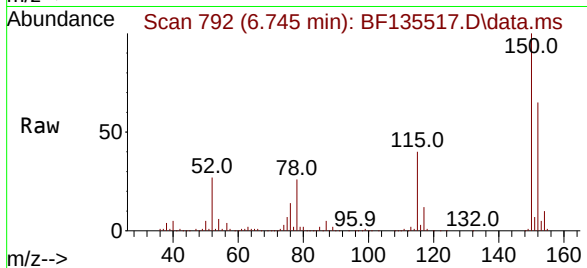
Quant Time: Sep 30 00:22:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 30 00:12:20 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.745 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135517.D
Acq: 29 Sep 2023 15:43

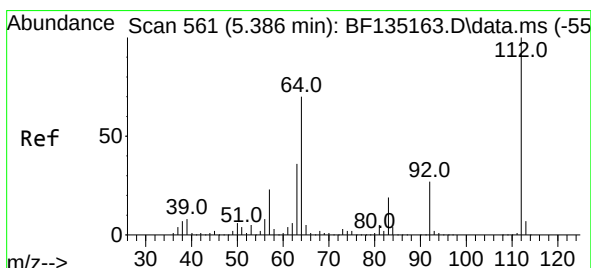
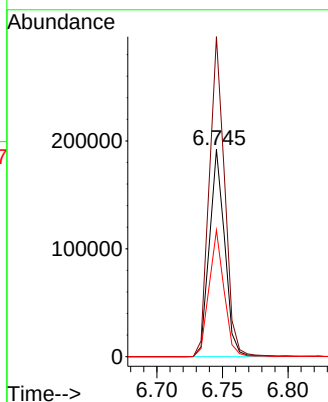
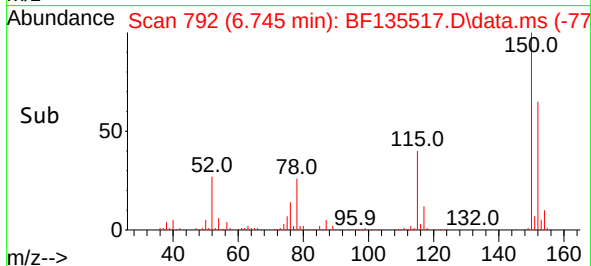
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1



Tgt Ion:152 Resp: 156510
Ion Ratio Lower Upper
152 100
150 154.3 127.8 191.6
115 61.1 49.8 74.8

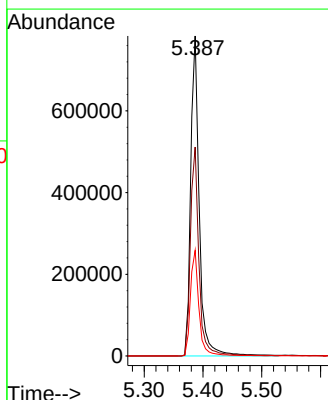
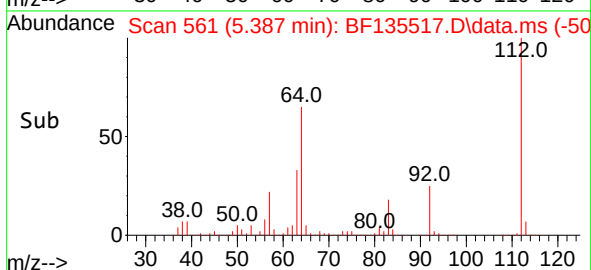
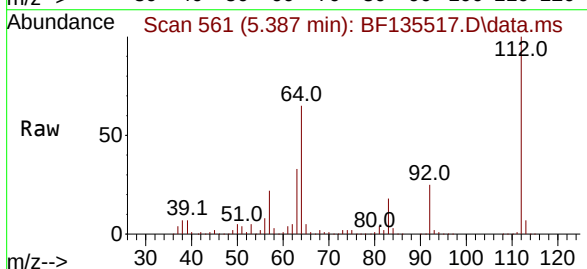
Manual Integrations
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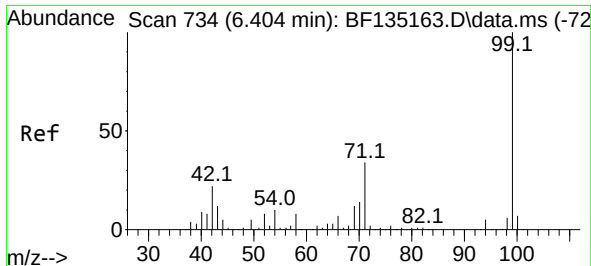
Reviewed By :Yogesh Patel 10/02/2023
Supervised By :mohammad ahmed 10/03/2023



#5
2-Fluorophenol
Concen: 82.574 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.006 min
Lab File: BF135517.D
Acq: 29 Sep 2023 15:43

Tgt Ion:112 Resp: 794594
Ion Ratio Lower Upper
112 100
64 65.3 55.9 83.9
63 33.0 29.0 43.6





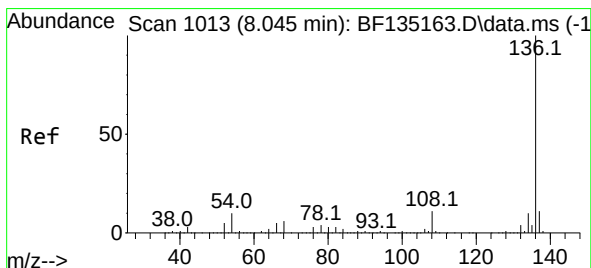
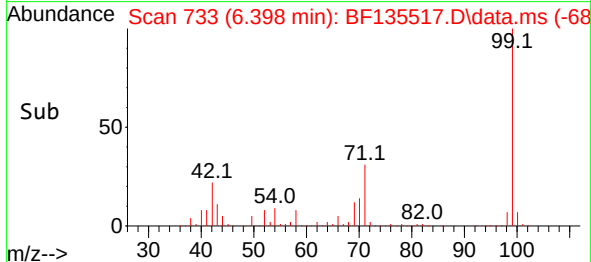
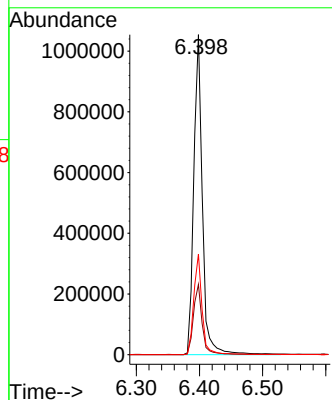
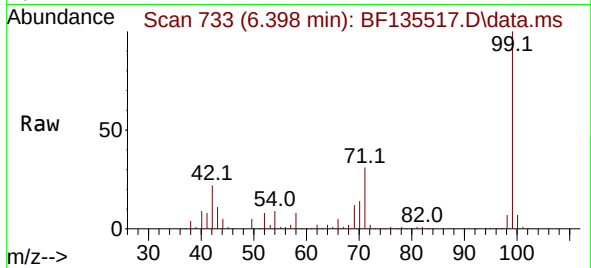
#7
Phenol-d6
Concen: 82.102 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135517.D
Acq: 29 Sep 2023 15:43

Instrument :
BNA_F
ClientSampleId :
CONC-WC-1

Tgt Ion: 99 Resp: 100459
Ion Ratio Lower Upper
99 100
42 21.9 17.9 26.9
71 31.5 27.0 40.6

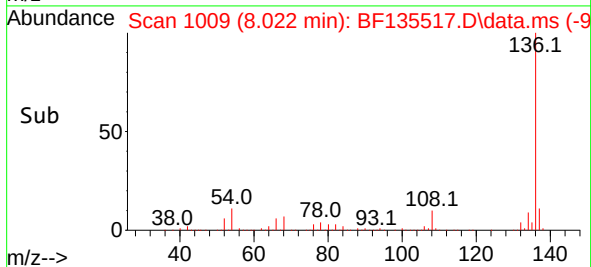
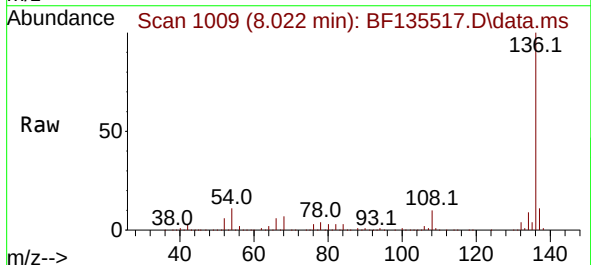
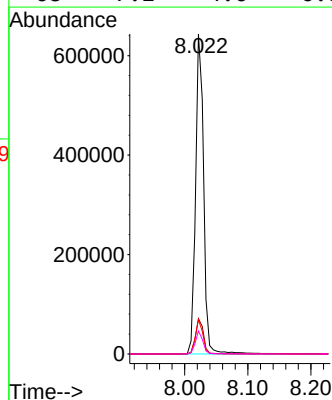
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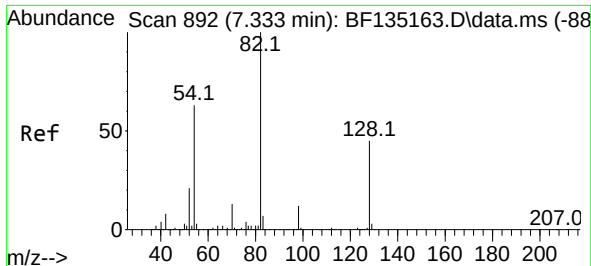
Reviewed By :Yogesh Patel 10/02/2023
Supervised By :mohammad ahmed 10/03/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF135517.D
Acq: 29 Sep 2023 15:43

Tgt Ion:136 Resp: 563585
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 10.8 7.7 11.5
68 7.2 4.6 6.8#





#23

Nitrobenzene-d5

Concen: 60.089 ng

RT: 7.310 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF135517.D

Acq: 29 Sep 2023 15:43

Instrument :

BNA_F

ClientSampleId :

CONC-WC-1

Tgt Ion: 82 Resp: 62333

Ion Ratio Lower Upper

82 100

128 44.3 35.8 53.6

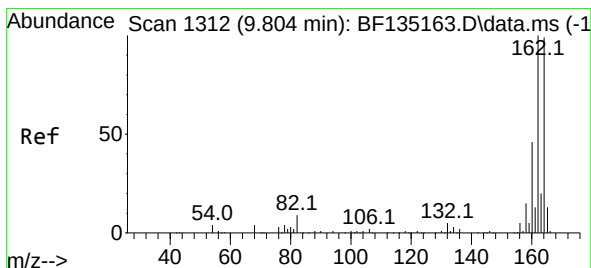
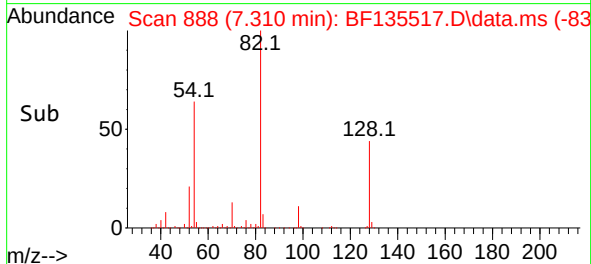
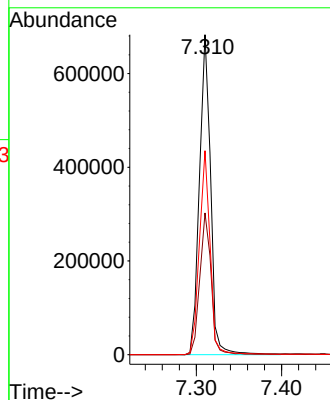
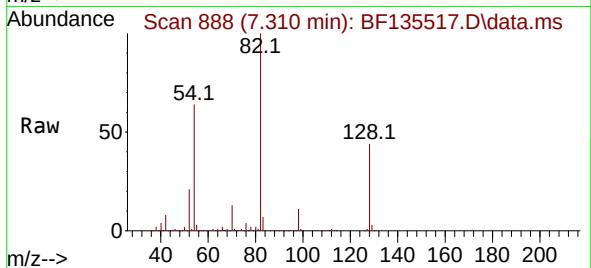
54 63.8 50.6 76.0

Manual Integrations

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Supervised By :mohammad ahmed 10/03/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.781 min Scan# 1308

Delta R.T. -0.006 min

Lab File: BF135517.D

Acq: 29 Sep 2023 15:43

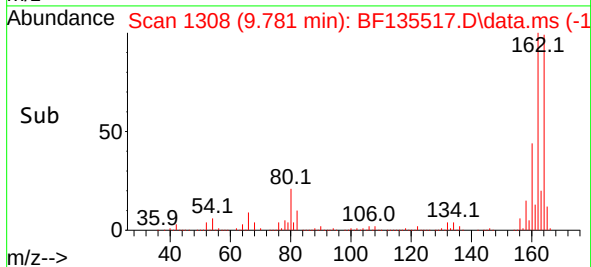
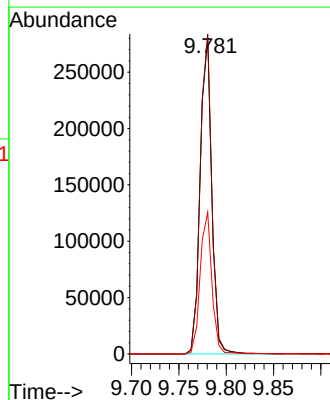
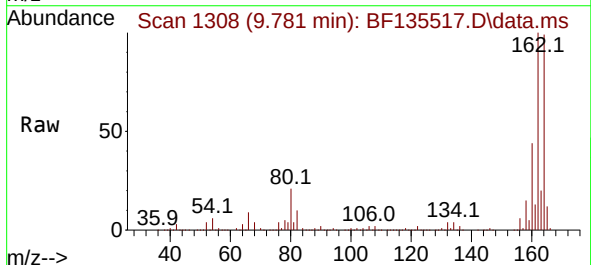
Tgt Ion:164 Resp: 239688

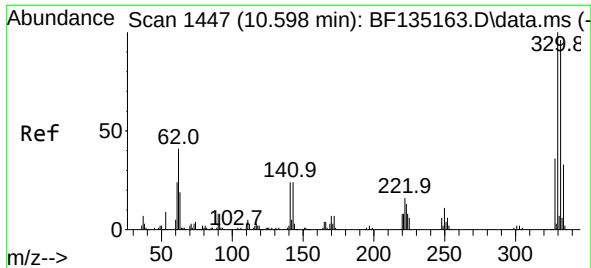
Ion Ratio Lower Upper

164 100

162 101.2 81.0 121.4

160 44.8 37.0 55.4





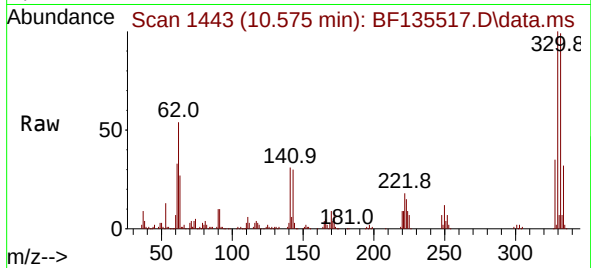
#42
2,4,6-Tribromophenol
Concen: 51.428 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF135517.D
Acq: 29 Sep 2023 15:43

Instrument :

BNA_F

ClientSampleId :

CONC-WC-1

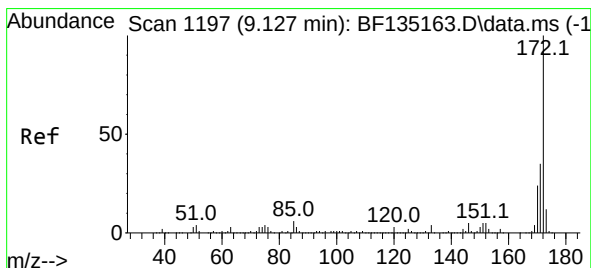
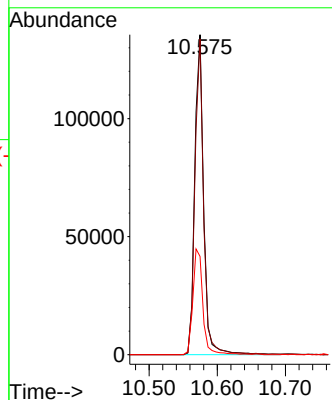
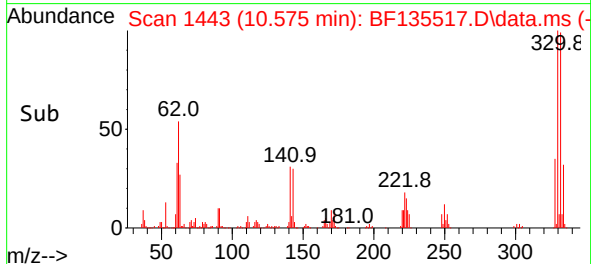


Tgt Ion: 330 Resp: 122498
Ion Ratio Lower Upper
330 100
332 96.1 77.3 115.9
141 37.0 25.8 38.8

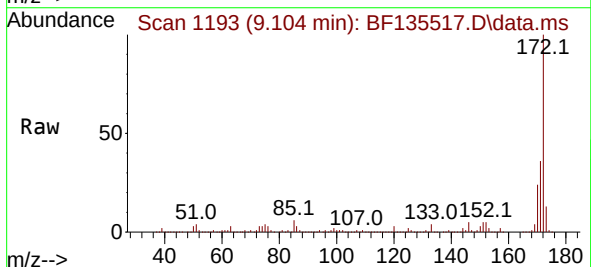
Manual Integrations

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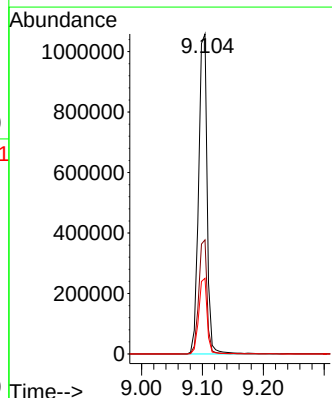
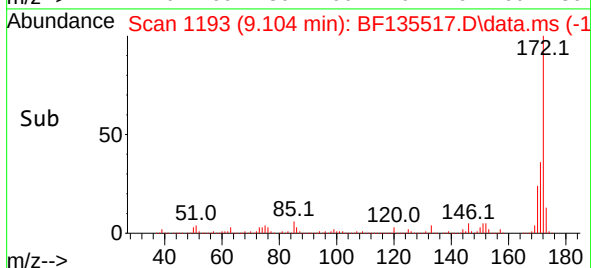
Reviewed By : Yogesh Patel 10/02/2023
Supervised By : mohammad ahmed 10/03/2023

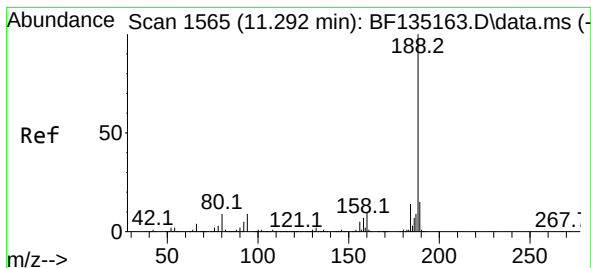


#45
2-Fluorobiphenyl
Concen: 65.017 ng
RT: 9.104 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF135517.D
Acq: 29 Sep 2023 15:43



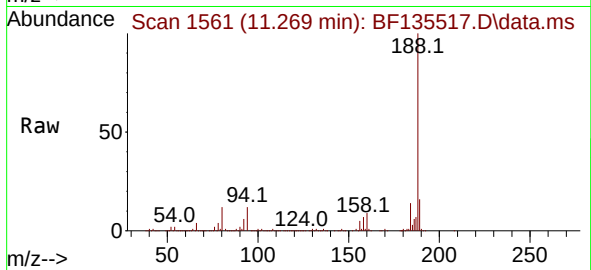
Tgt Ion: 172 Resp: 1032916
Ion Ratio Lower Upper
172 100
171 35.6 28.4 42.6
170 23.7 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135517.D
Acq: 29 Sep 2023 15:43

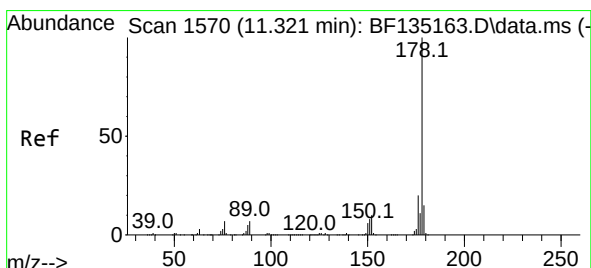
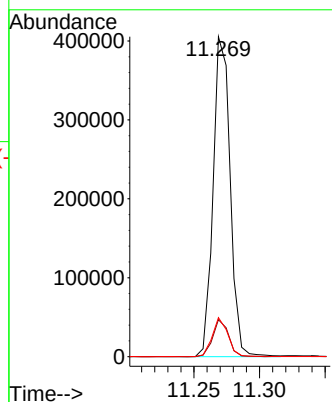
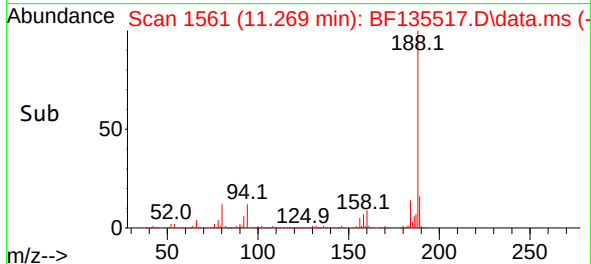
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1



Tgt Ion:188 Resp: 366365
Ion Ratio Lower Upper
188 100
94 11.6 7.0 10.6
80 12.2 7.5 11.3

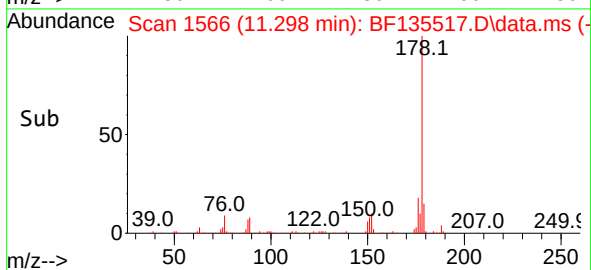
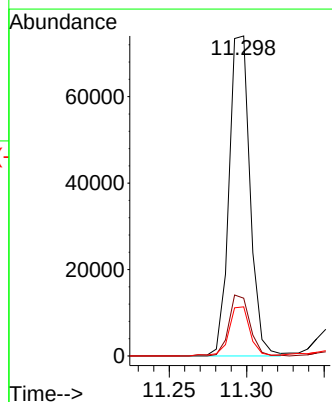
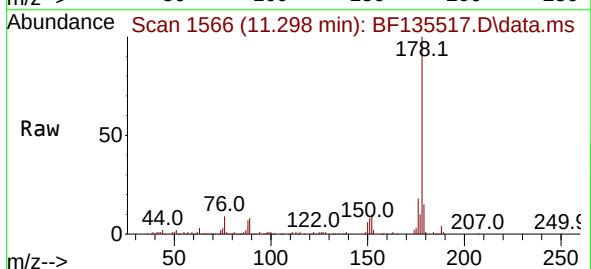
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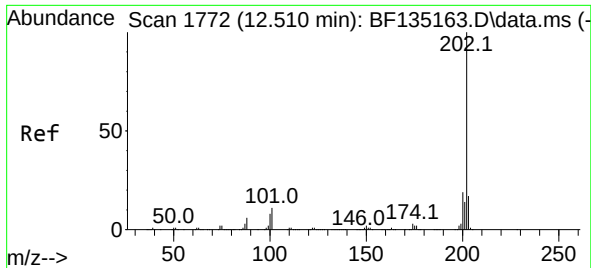
Reviewed By :Yogesh Patel 10/02/2023
Supervised By :mohammad ahmed 10/03/2023



#71
Phenanthrene
Concen: 4.032 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF135517.D
Acq: 29 Sep 2023 15:43

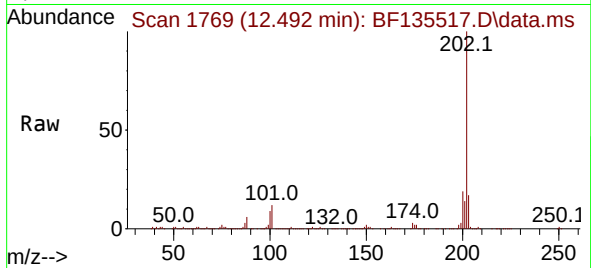
Tgt Ion:178 Resp: 69865
Ion Ratio Lower Upper
178 100
176 18.1 15.6 23.4
179 15.3 12.0 18.0





#75
Fluoranthene
Concen: 9.811 ng
RT: 12.492 min Scan# 1772
Delta R.T. -0.006 min
Lab File: BF135517.D
Acq: 29 Sep 2023 15:43

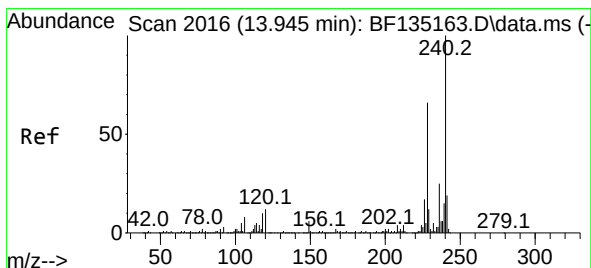
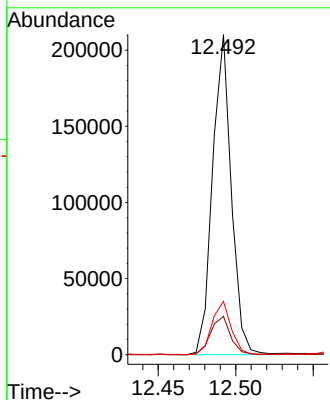
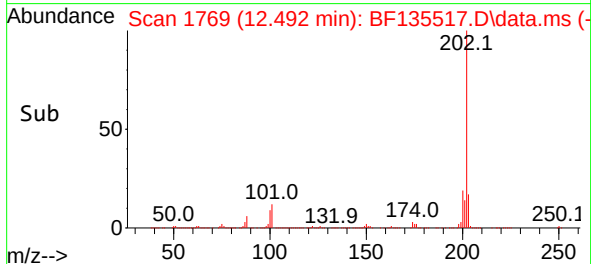
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1



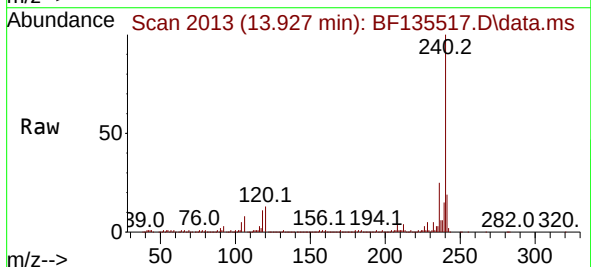
Tgt Ion:202 Resp: 177130
Ion Ratio Lower Upper
202 100
101 12.0 0.0 31.3
203 16.6 0.0 37.4

Manual Integrations
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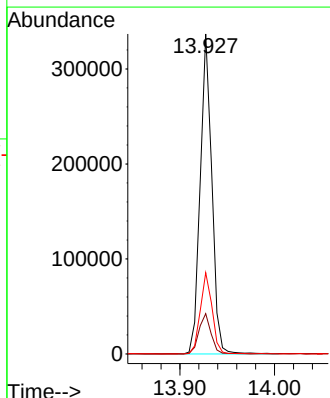
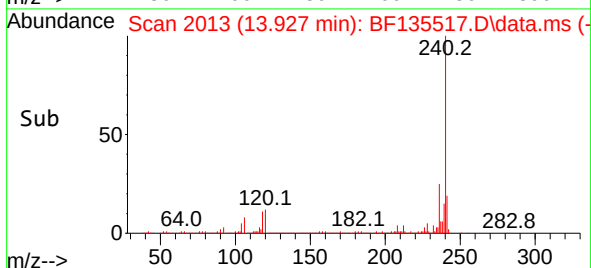
Reviewed By :Yogesh Patel 10/02/2023
Supervised By :mohammad ahmed 10/03/2023

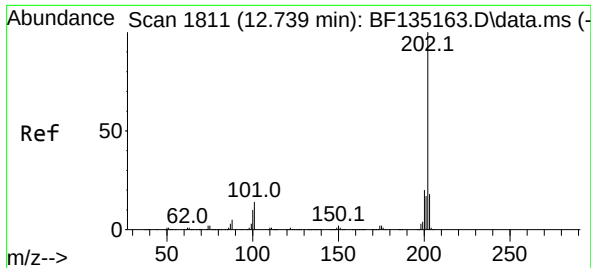


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.927 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF135517.D
Acq: 29 Sep 2023 15:43



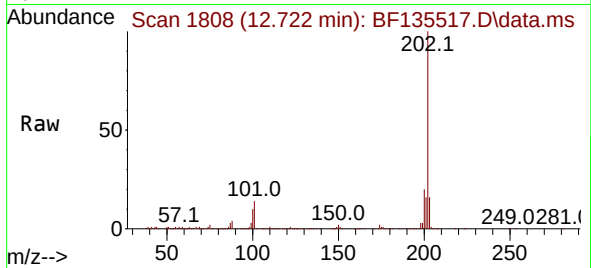
Tgt Ion:240 Resp: 288322
Ion Ratio Lower Upper
240 100
120 12.6 9.4 14.2
236 25.4 19.8 29.8





#78
Pyrene
Concen: 5.246 ng
RT: 12.722 min Scan# 1808
Delta R.T. -0.006 min
Lab File: BF135517.D
Acq: 29 Sep 2023 15:43

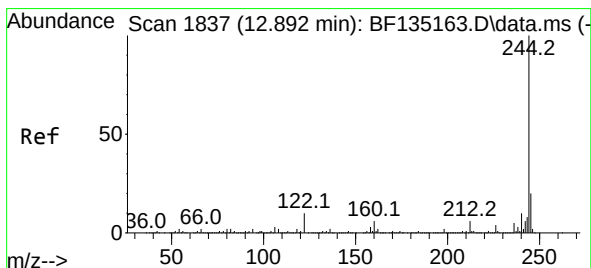
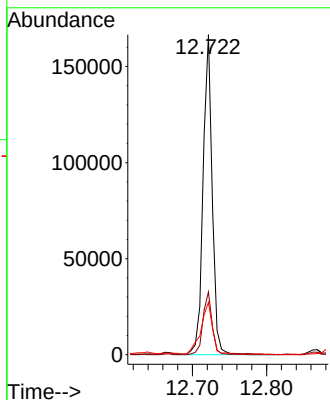
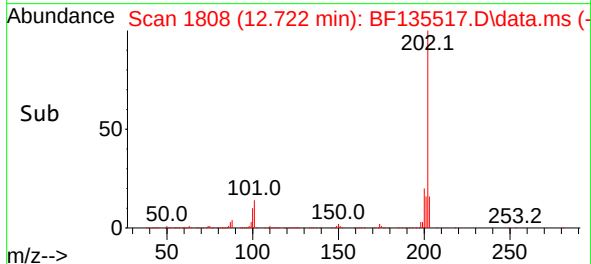
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1



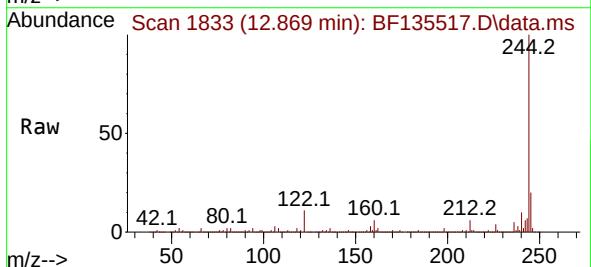
Tgt Ion:202 Resp: 143995
Ion Ratio Lower Upper
202 100
200 19.6 16.2 24.2
203 16.3 14.2 21.4

Manual Integrations
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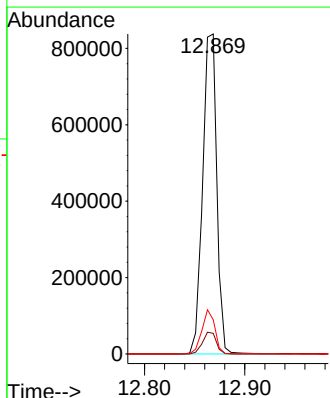
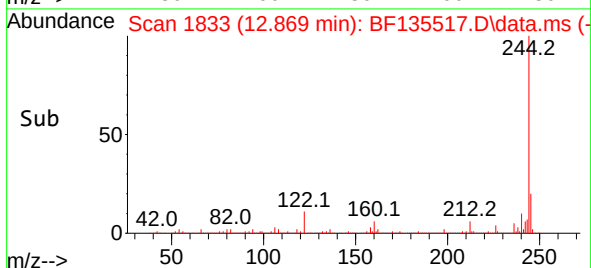
Reviewed By :Yogesh Patel 10/02/2023
Supervised By :mohammad ahmed 10/03/2023

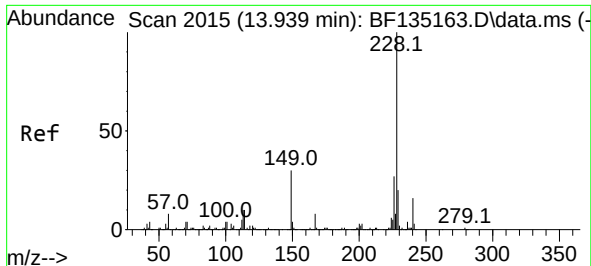


#79
Terphenyl-d14
Concen: 44.329 ng
RT: 12.869 min Scan# 1833
Delta R.T. -0.006 min
Lab File: BF135517.D
Acq: 29 Sep 2023 15:43



Tgt Ion:244 Resp: 824485
Ion Ratio Lower Upper
244 100
212 6.4 5.1 7.7
122 10.7 7.9 11.9





#81
Benzo(a)anthracene
Concen: 3.415 ng
RT: 13.916 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF135517.D
Acq: 29 Sep 2023 15:43

Instrument :

BNA_F

ClientSampleId :

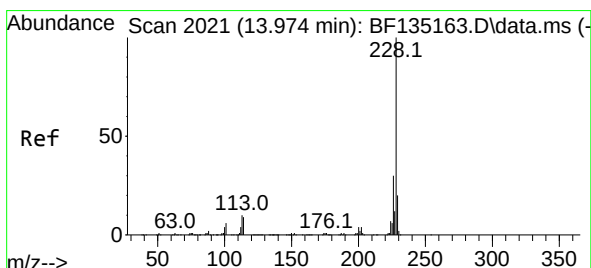
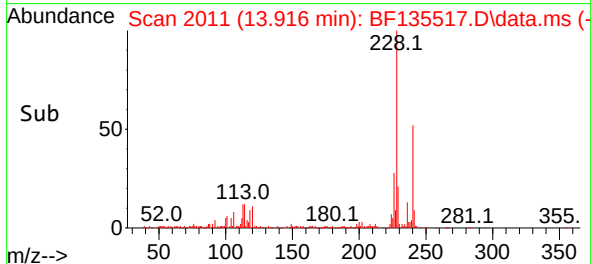
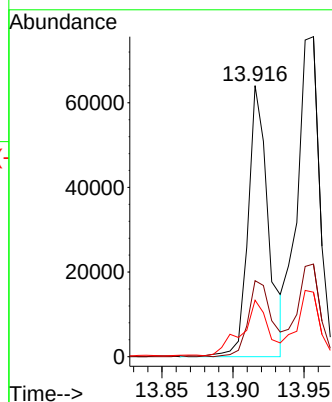
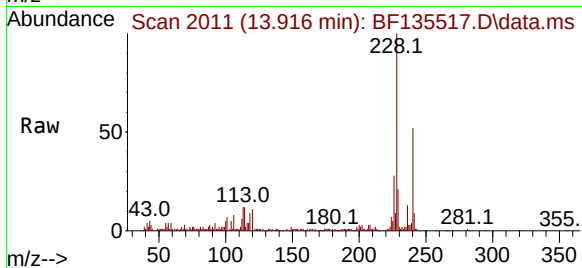
CONC-WC-1

Tgt Ion:228 Resp: 6357
Ion Ratio Lower Upper
228 100
226 28.0 21.7 32.5
229 20.9 15.8 23.8

Manual Integrations

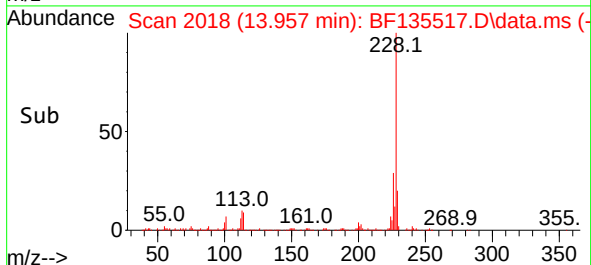
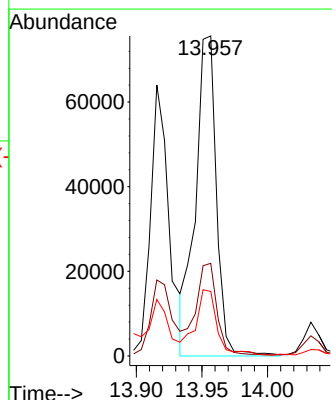
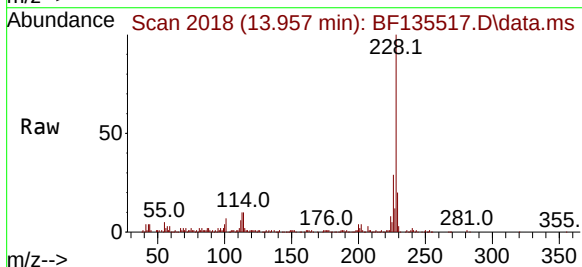
APPROVED

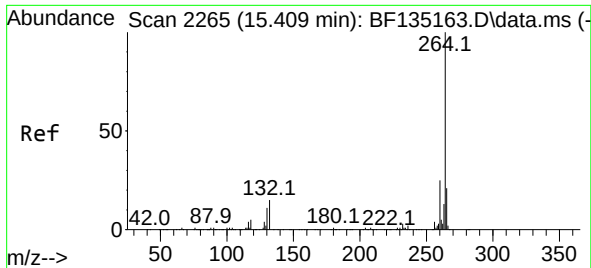
Reviewed By :Yogesh Patel 10/02/2023
Supervised By :mohammad ahmed 10/03/2023



#83
Chrysene
Concen: 4.567 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF135517.D
Acq: 29 Sep 2023 15:43

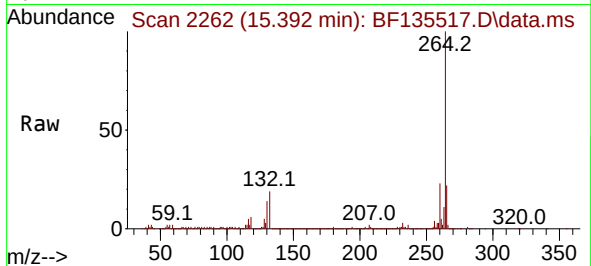
Tgt Ion:228 Resp: 84528
Ion Ratio Lower Upper
228 100
226 29.0 24.3 36.5
229 20.1 16.0 24.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.392 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF135517.D
Acq: 29 Sep 2023 15:43

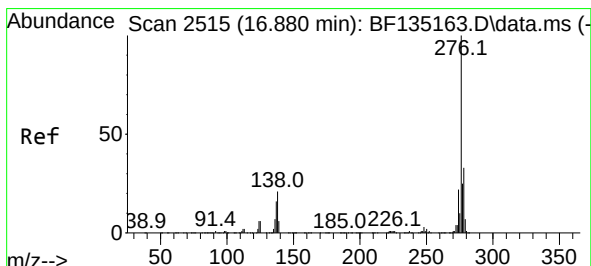
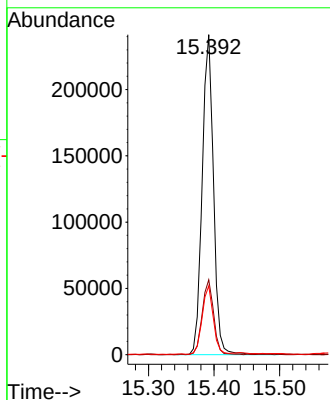
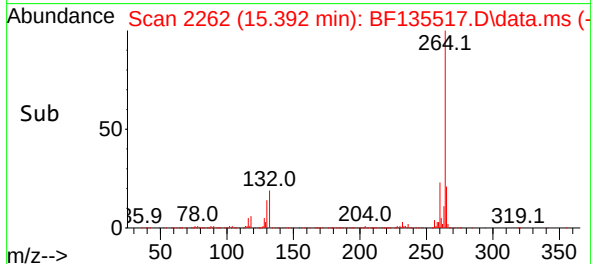
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1



Tgt Ion:264 Resp: 290189
Ion Ratio Lower Upper
264 100
260 23.4 19.8 29.6
265 21.5 17.0 25.4

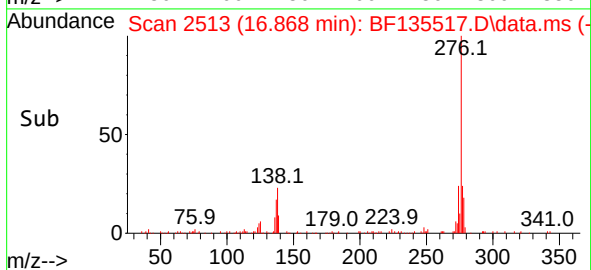
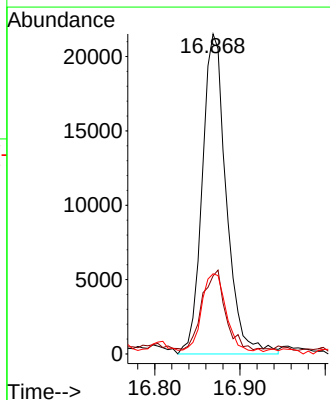
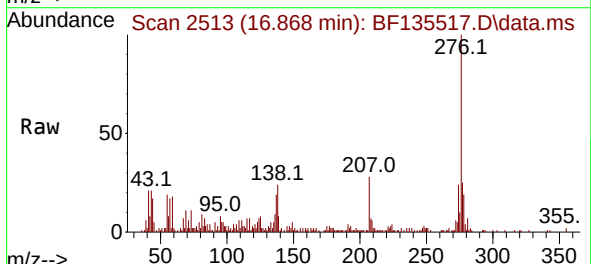
Manual Integrations
APPROVED

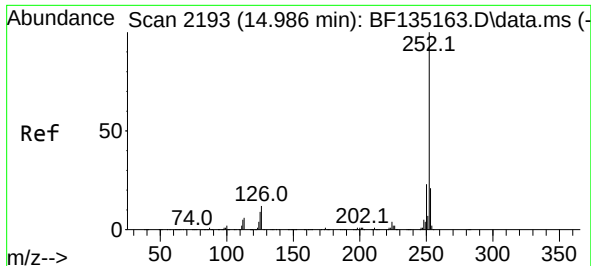
Reviewed By :Yogesh Patel 10/02/2023
Supervised By :mohammad ahmed 10/03/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.219 ng
RT: 16.868 min Scan# 2513
Delta R.T. -0.012 min
Lab File: BF135517.D
Acq: 29 Sep 2023 15:43

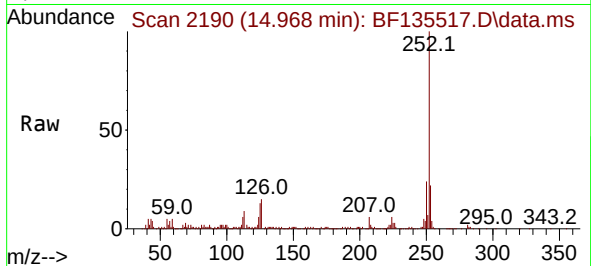
Tgt Ion:276 Resp: 42215
Ion Ratio Lower Upper
276 100
138 24.3 19.2 28.8
277 23.8 19.7 29.5





#88
Benzo(b)fluoranthene
Concen: 7.675 ng m
RT: 14.968 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BF135517.D
Acq: 29 Sep 2023 15:43

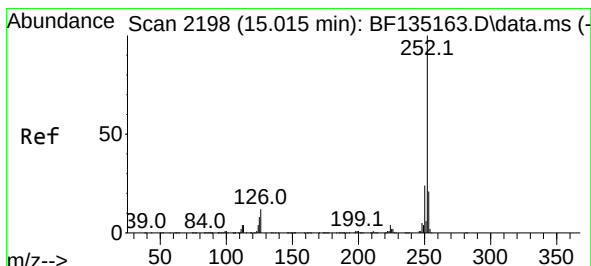
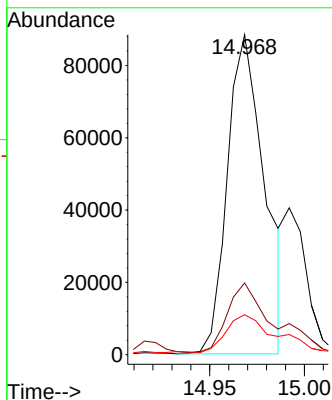
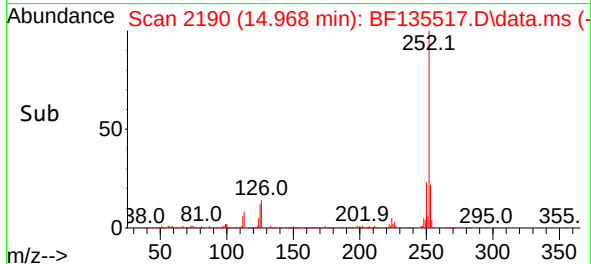
Instrument :
BNA_F
ClientSampleId :
CONC-WC-1



Tgt Ion:252 Resp: 120560
Ion Ratio Lower Upper
252 100
253 22.4 17.2 25.8
125 12.5 7.1 10.7

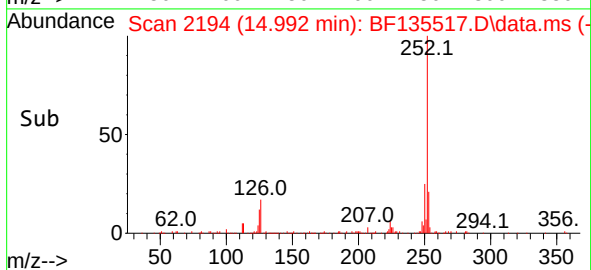
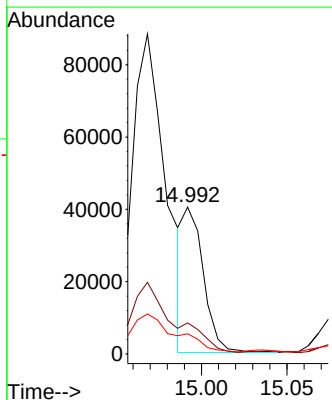
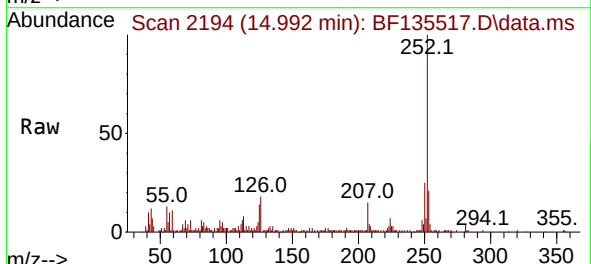
Manual Integrations
APPROVED

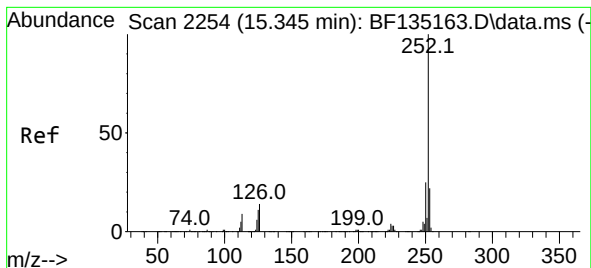
Reviewed By :Yogesh Patel 10/02/2023
Supervised By :mohammad ahmed 10/03/2023



#89
Benzo(k)fluoranthene
Concen: 2.118 ng m
RT: 14.992 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF135517.D
Acq: 29 Sep 2023 15:43

Tgt Ion:252 Resp: 32872
Ion Ratio Lower Upper
252 100
253 21.2 17.4 26.0
125 13.8 7.2 10.8





#90

Benzo(a)pyrene

Concen: 4.289 ng

RT: 15.333 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135517.D

Acq: 29 Sep 2023 15:43

Instrument :

BNA_F

ClientSampleId :

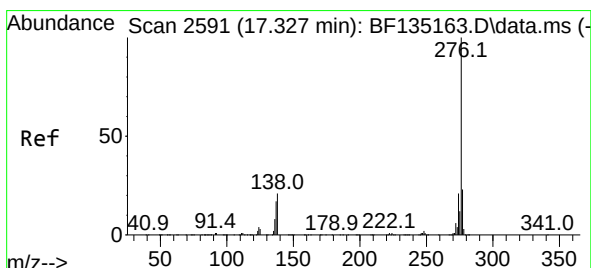
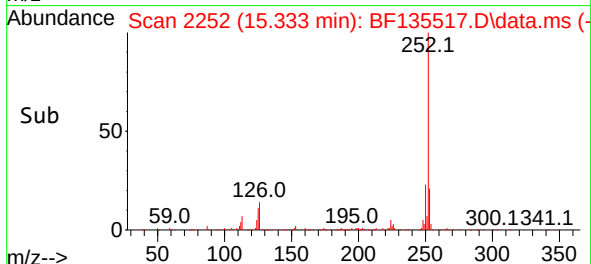
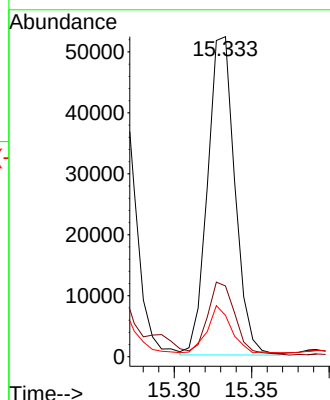
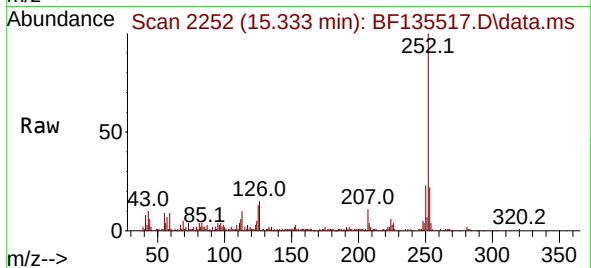
CONC-WC-1

Tgt Ion:252 Resp: 64254
 Ion Ratio Lower Upper
 252 100
 253 22.1 17.5 26.3
 125 12.9 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/02/2023
 Supervised By :mohammad ahmed 10/03/2023



#92

Benzo(g,h,i)perylene

Concen: 2.389 ng

RT: 17.315 min Scan# 2589

Delta R.T. -0.006 min

Lab File: BF135517.D

Acq: 29 Sep 2023 15:43

Tgt Ion:276 Resp: 38849
 Ion Ratio Lower Upper
 276 100
 277 22.1 18.8 28.2
 138 28.9 16.9 25.3#

