

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091523\
 Data File : BF135281.D
 Acq On : 15 Sep 2023 16:11
 Operator : CG\JU
 Sample : 04409-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-2(0-2)COMP

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/18/2023
 Supervised By :mohammad ahmed 09/19/2023

Quant Time: Sep 15 16:51:57 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	105558	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	435102	20.000	ng	-0.01
39) Acenaphthene-d10	9.792	164	202916	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	378169	20.000	ng	0.00
76) Chrysene-d12	13.945	240	215490	20.000	ng	# 0.00
86) Perylene-d12	15.409	264	259120	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.392	112	664324	102.360	ng	0.00
7) Phenol-d6	6.398	99	802769	97.275	ng	0.00
23) Nitrobenzene-d5	7.322	82	494714	61.773	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	198628	98.502	ng	-0.01
45) 2-Fluorobiphenyl	9.116	172	911071	67.740	ng	-0.01
79) Terphenyl-d14	12.886	244	765274	55.052	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.310	178	64116	3.585	ng	99
75) Fluoranthene	12.504	202	113118	6.070	ng	98
78) Pyrene	12.733	202	96797	4.718	ng	98
81) Benzo(a)anthracene	13.933	228	45125	3.243	ng	98
83) Chrysene	13.968	228	37013	2.675	ng	98
88) Benzo(b)fluoranthene	14.980	252	56287m	4.013	ng	
90) Benzo(a)pyrene	15.345	252	38392	2.870	ng	97

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

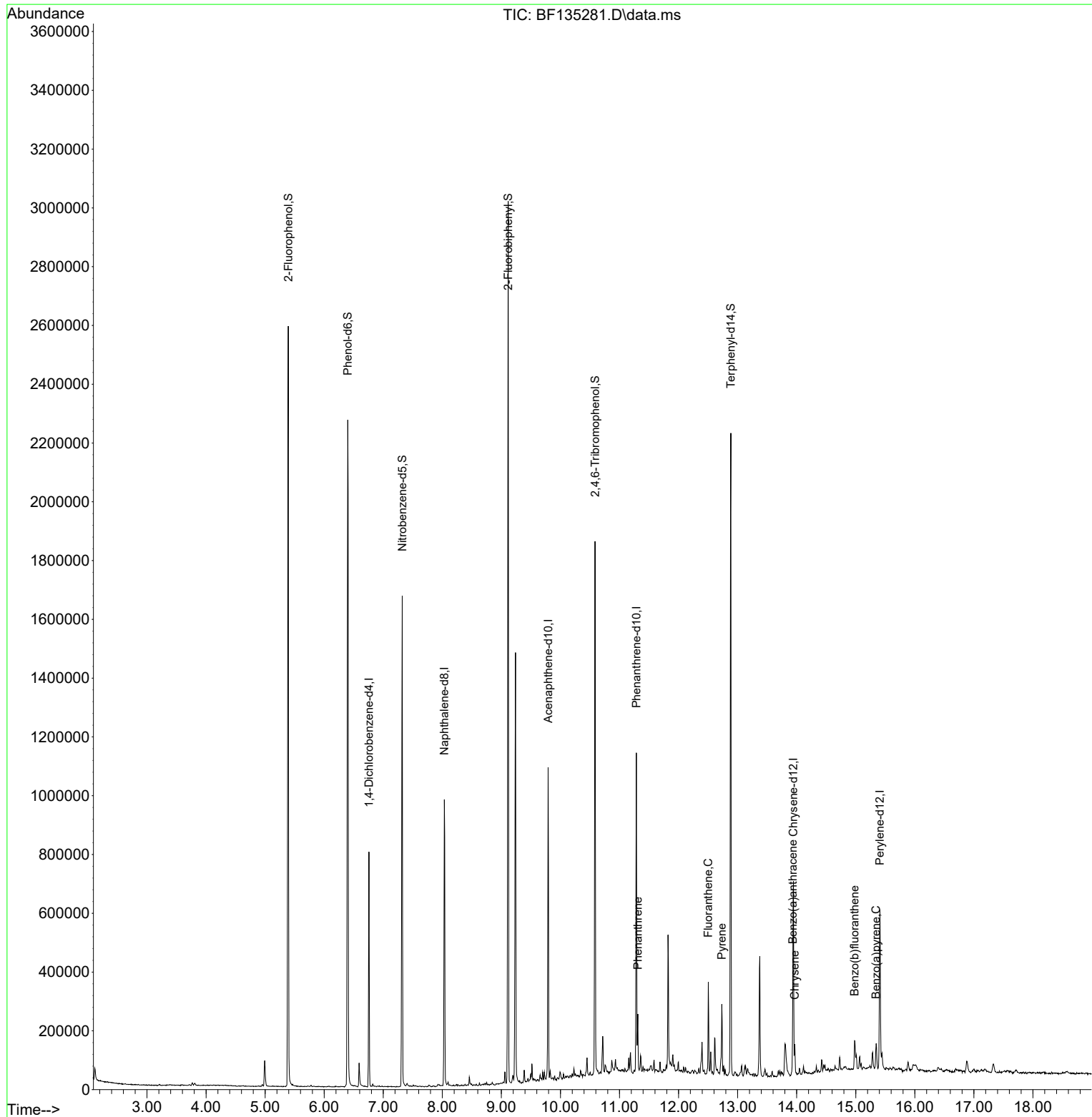
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091523\
Data File : BF135281.D
Acq On : 15 Sep 2023 16:11
Operator : CG\JU
Sample : 04409-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

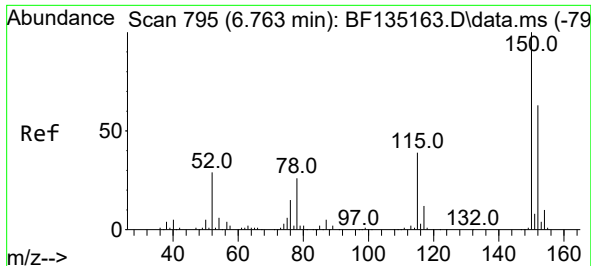
Instrument :
BNA_F
ClientSampleId :
WC-2(0-2)COMP

Quant Time: Sep 15 16:51:57 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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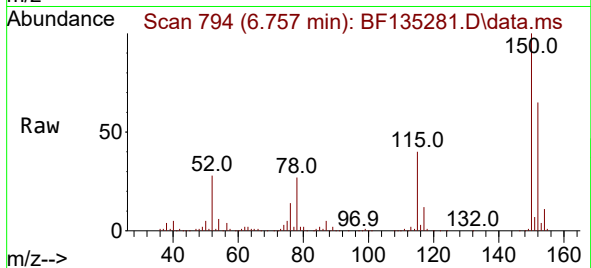
Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135281.D
Acq: 15 Sep 2023 16:11

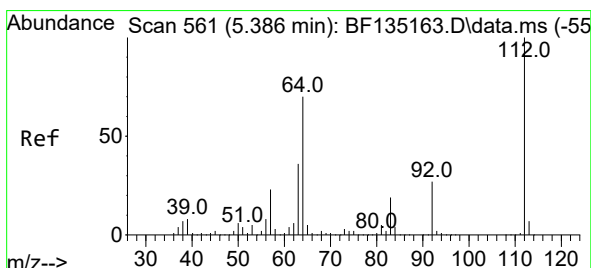
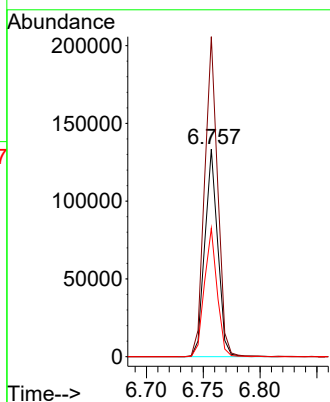
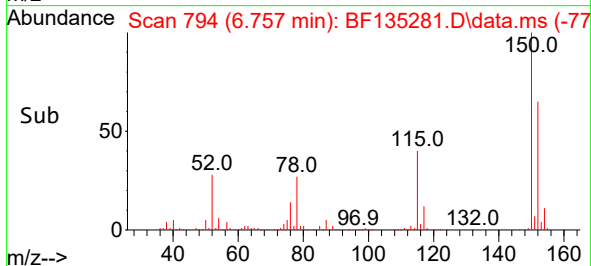
Instrument :
BNA_F
ClientSampleId :
WC-2(0-2)COMP



Tgt Ion:152 Resp: 105558
Ion Ratio Lower Upper
152 100
150 154.2 127.8 191.6
115 61.9 49.8 74.8

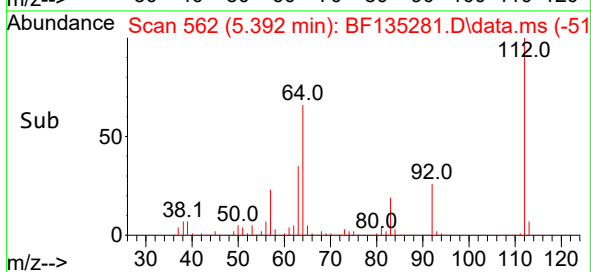
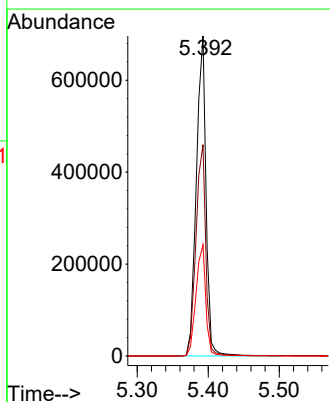
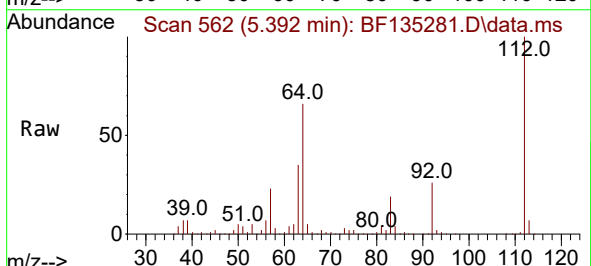
Manual Integrations
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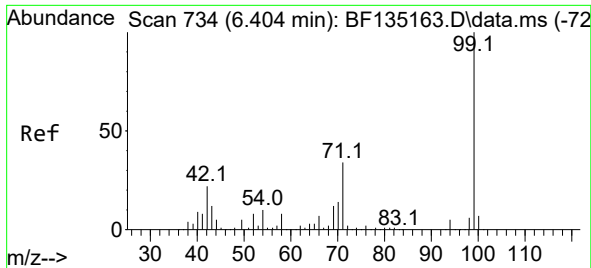
Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023



#5
2-Fluorophenol
Concen: 102.360 ng
RT: 5.392 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF135281.D
Acq: 15 Sep 2023 16:11

Tgt Ion:112 Resp: 664324
Ion Ratio Lower Upper
112 100
64 66.1 55.9 83.9
63 34.8 29.0 43.6





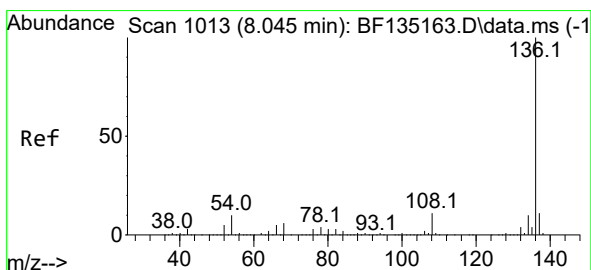
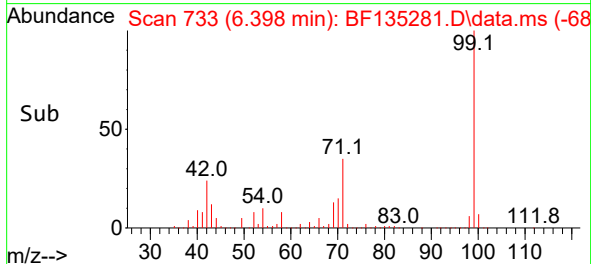
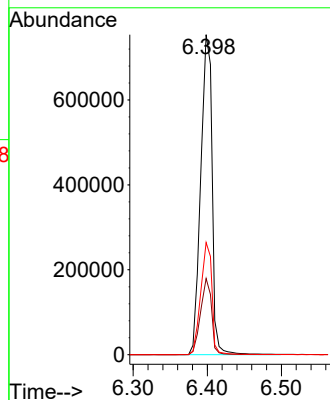
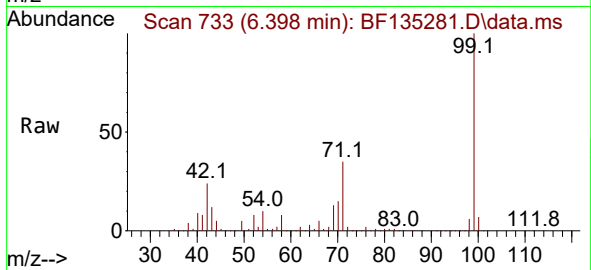
#7
Phenol-d6
Concen: 97.275 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135281.D
Acq: 15 Sep 2023 16:11

Instrument :
BNA_F
ClientSampleId :
WC-2(0-2)COMP

Tgt Ion: 99 Resp: 802769
Ion Ratio Lower Upper
99 100
42 23.8 17.9 26.9
71 35.1 27.0 40.6

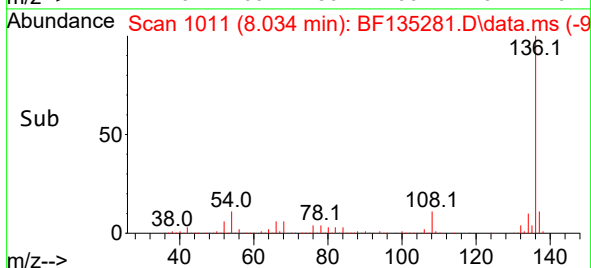
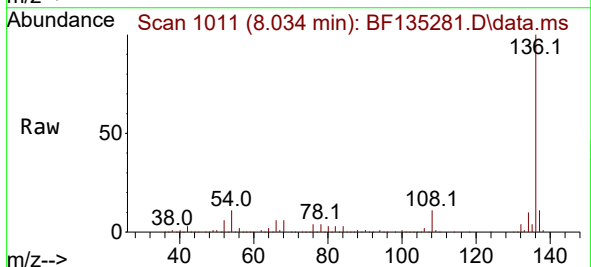
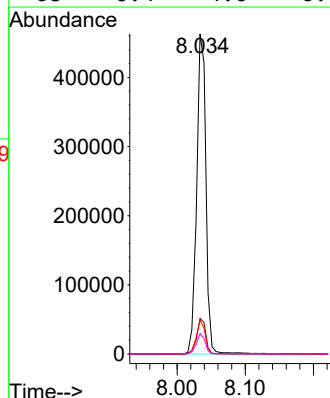
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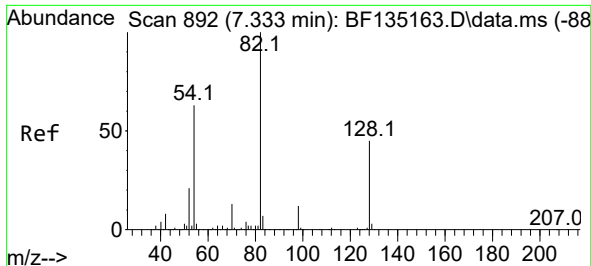
Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1011
Delta R.T. -0.012 min
Lab File: BF135281.D
Acq: 15 Sep 2023 16:11

Tgt Ion:136 Resp: 435102
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 10.6 7.7 11.5
68 6.4 4.6 6.8





#23

Nitrobenzene-d5

Concen: 61.773 ng

RT: 7.322 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF135281.D

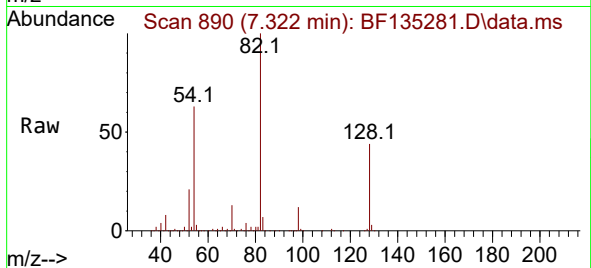
Acq: 15 Sep 2023 16:11

Instrument :

BNA_F

ClientSampleId :

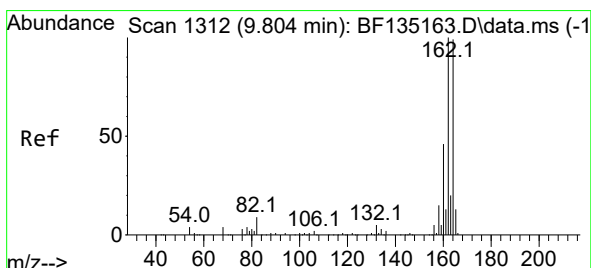
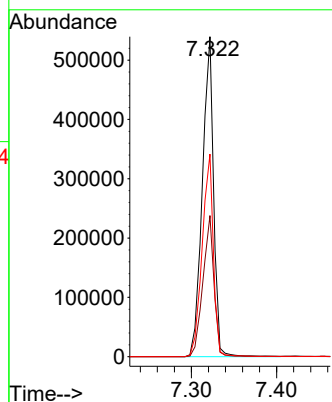
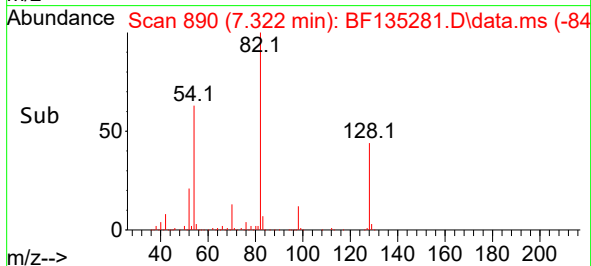
WC-2(0-2)COMP



Tgt Ion:	82	Resp:	494714
Ion Ratio	Lower	Upper	
82	100		
128	44.1	35.8	53.6
54	63.3	50.6	76.0

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Reviewed By :Yogesh Patel 09/18/2023
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#39

Acenaphthene-d10

Concen: 20.000 ng

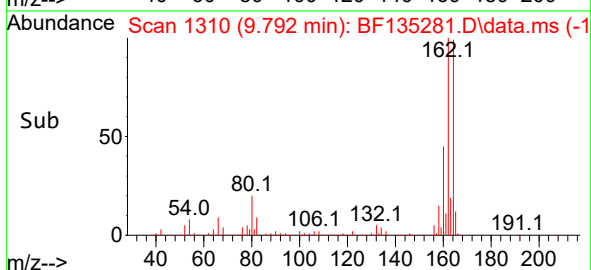
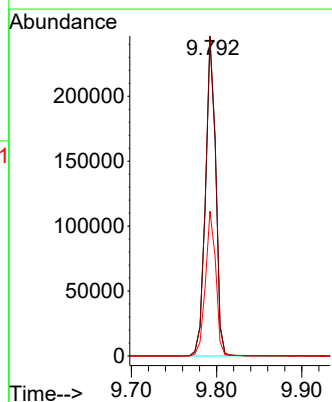
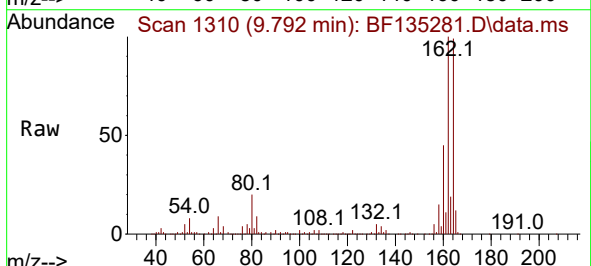
RT: 9.792 min Scan# 1310

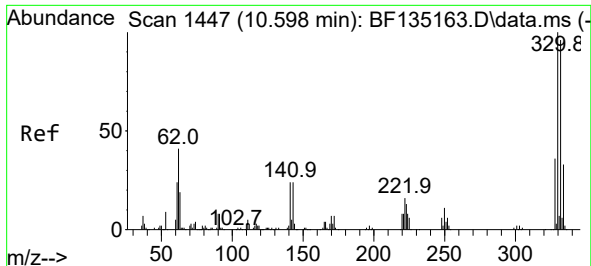
Delta R.T. -0.012 min

Lab File: BF135281.D

Acq: 15 Sep 2023 16:11

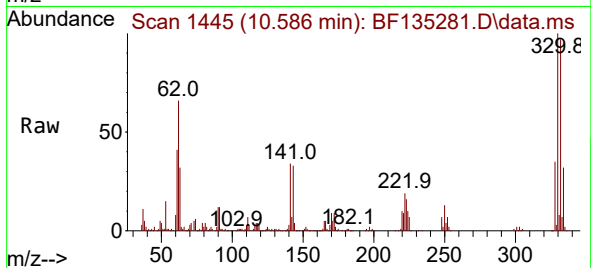
Tgt Ion:	164	Resp:	202916
Ion Ratio	Lower	Upper	
164	100		
162	101.3	81.0	121.4
160	45.8	37.0	55.4





#42
2,4,6-Tribromophenol
Concen: 98.502 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF135281.D
Acq: 15 Sep 2023 16:11

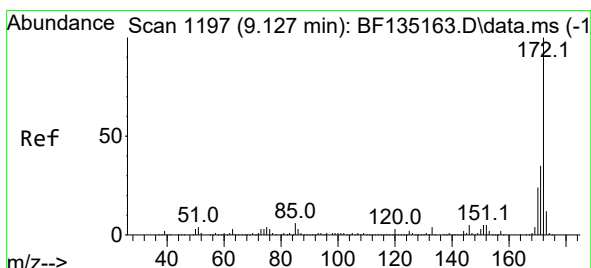
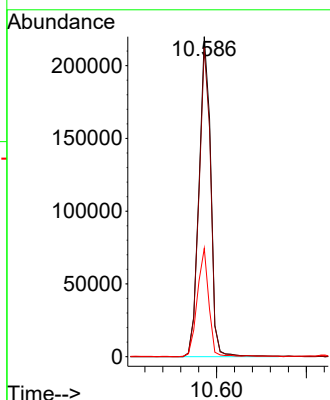
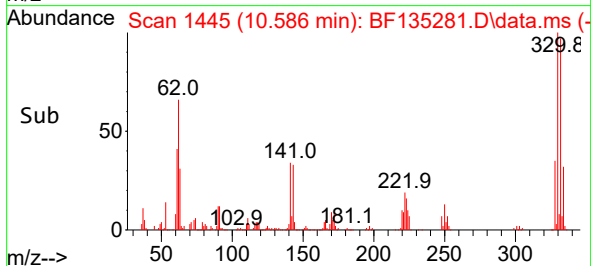
Instrument :
BNA_F
ClientSampleId :
WC-2(0-2)COMP



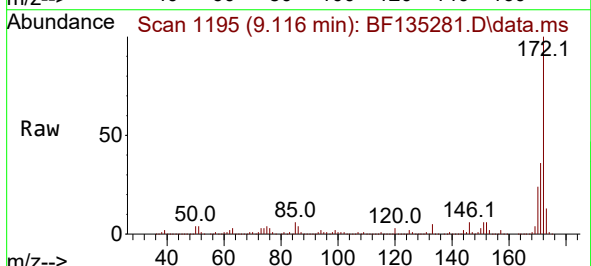
Tgt Ion:330 Resp: 198628
Ion Ratio Lower Upper
330 100
332 96.5 77.3 115.9
141 33.1 25.8 38.8

Manual Integrations
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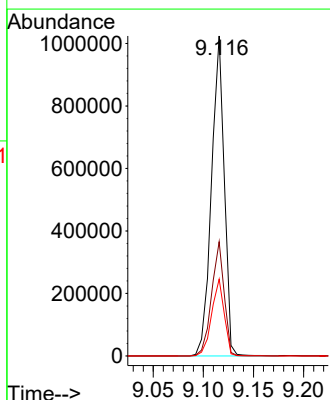
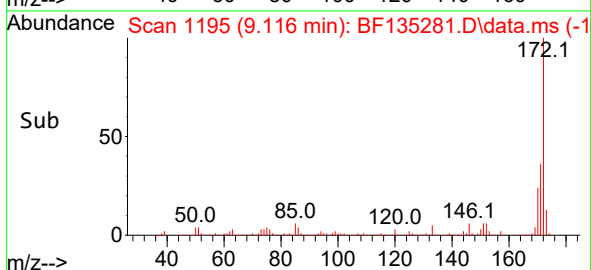
Reviewed By :Yogesh Patel 09/18/2023
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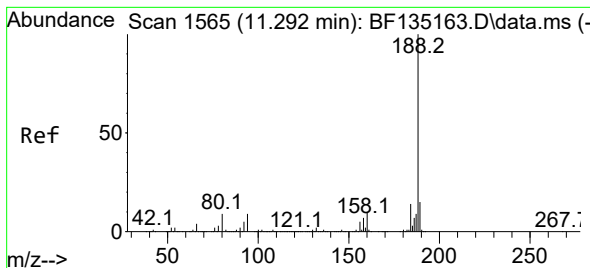


#45
2-Fluorobiphenyl
Concen: 67.740 ng
RT: 9.116 min Scan# 1195
Delta R.T. -0.012 min
Lab File: BF135281.D
Acq: 15 Sep 2023 16:11



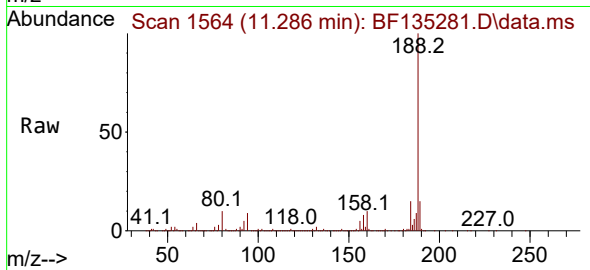
Tgt Ion:172 Resp: 911071
Ion Ratio Lower Upper
172 100
171 35.7 28.4 42.6
170 24.0 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF135281.D
Acq: 15 Sep 2023 16:11

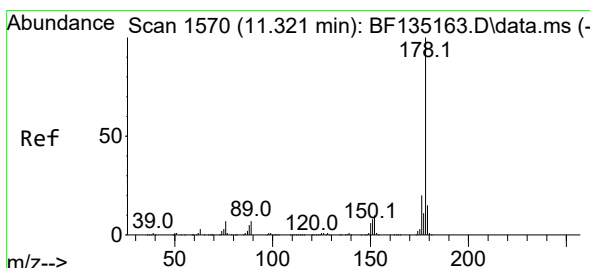
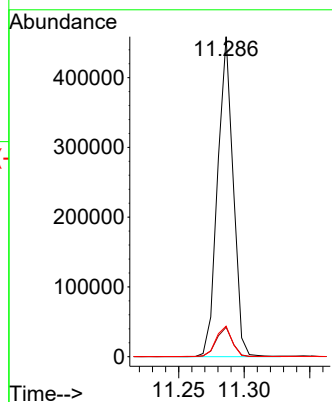
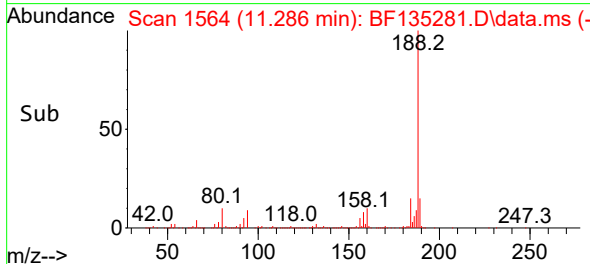
Instrument :
BNA_F
ClientSampleId :
WC-2(0-2)COMP



Tgt Ion:188 Resp: 378169
Ion Ratio Lower Upper
188 100
94 9.2 7.0 10.6
80 9.6 7.5 11.3

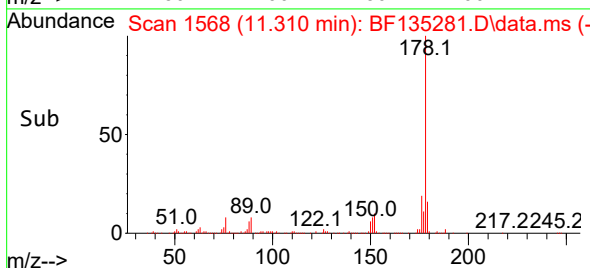
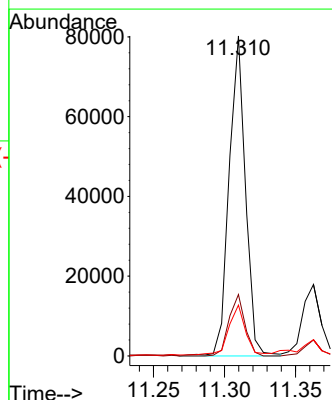
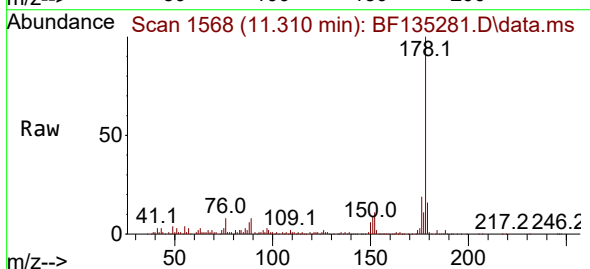
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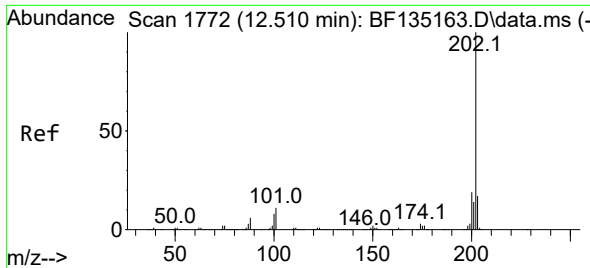
Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023



#71
Phenanthrene
Concen: 3.585 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF135281.D
Acq: 15 Sep 2023 16:11

Tgt Ion:178 Resp: 64116
Ion Ratio Lower Upper
178 100
176 19.2 15.6 23.4
179 15.9 12.0 18.0





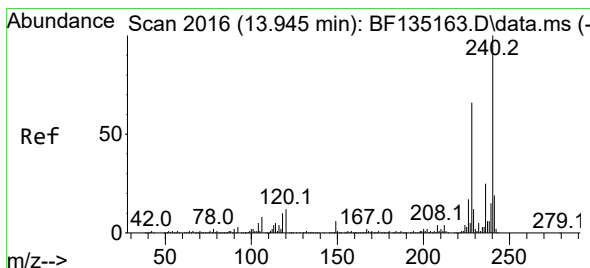
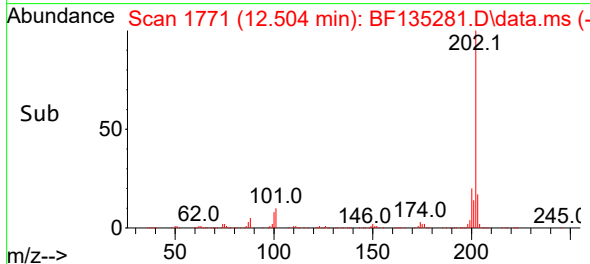
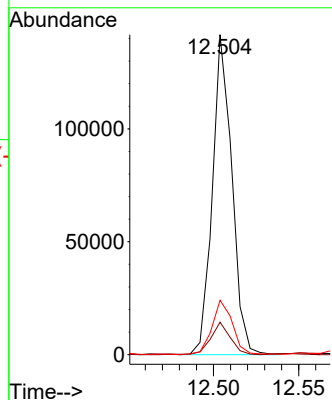
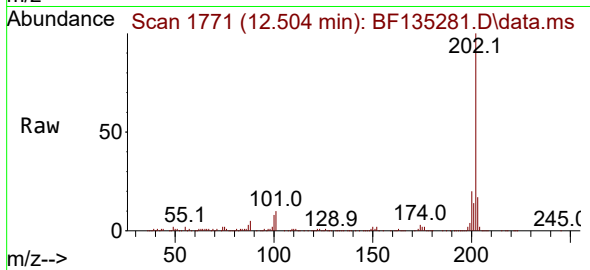
#75
Fluoranthene
Concen: 6.070 ng
RT: 12.504 min Scan# 1772
Delta R.T. -0.006 min
Lab File: BF135281.D
Acq: 15 Sep 2023 16:11

Instrument :
BNA_F
ClientSampleId :
WC-2(0-2)COMP

Tgt Ion:202 Resp: 113118
Ion Ratio Lower Upper
202 100
101 10.2 0.0 31.3
203 17.0 0.0 37.4

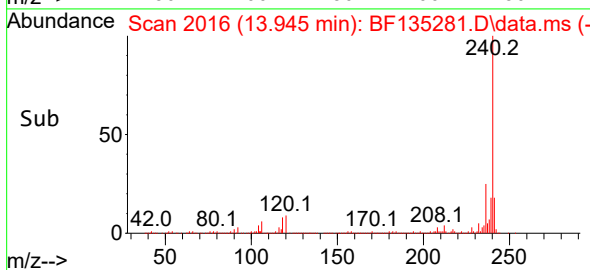
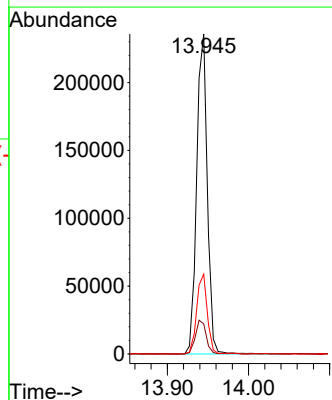
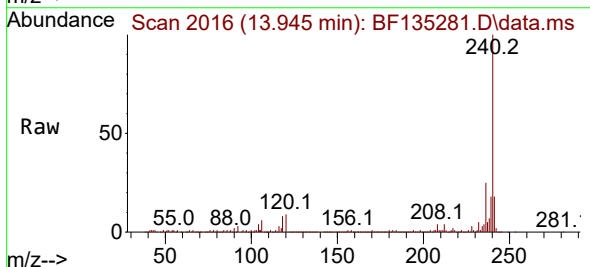
Manual Integrations
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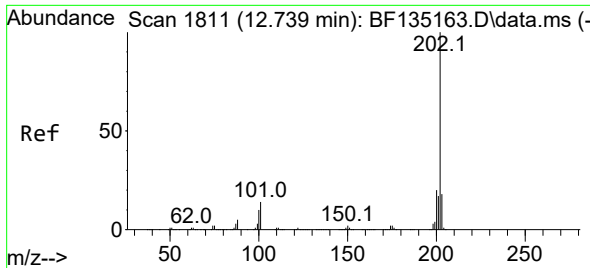
Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF135281.D
Acq: 15 Sep 2023 16:11

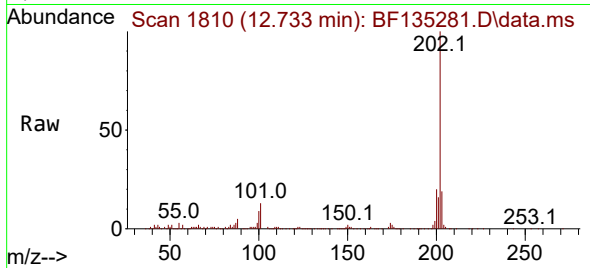
Tgt Ion:240 Resp: 215490
Ion Ratio Lower Upper
240 100
120 9.4 9.4 14.2#
236 24.9 19.8 29.8





#78
Pyrene
Concen: 4.718 ng
RT: 12.733 min Scan# 1811
Delta R.T. -0.006 min
Lab File: BF135281.D
Acq: 15 Sep 2023 16:11

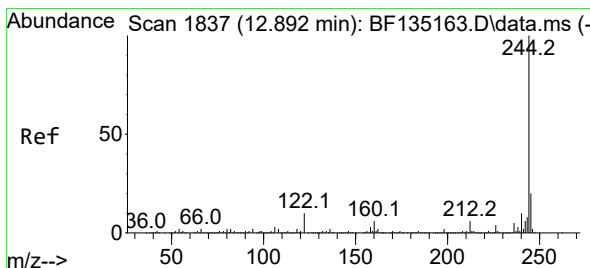
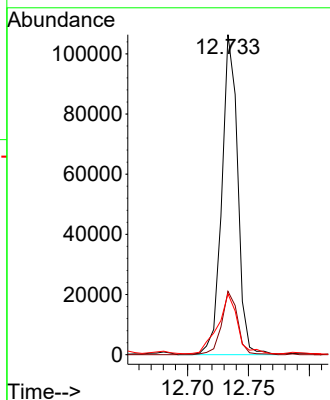
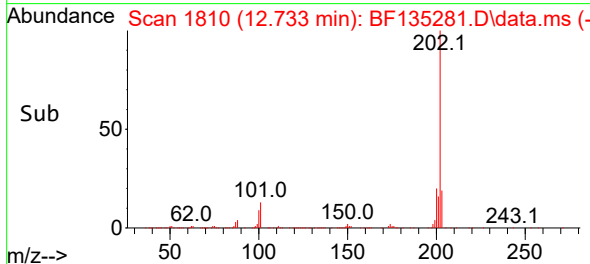
Instrument :
BNA_F
ClientSampleId :
WC-2(0-2)COMP



Tgt Ion:202 Resp: 96797
Ion Ratio Lower Upper
202 100
200 19.8 16.2 24.2
203 19.0 14.2 21.4

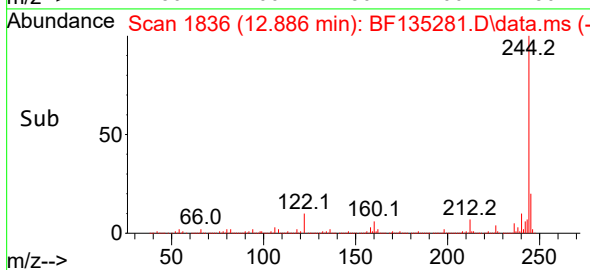
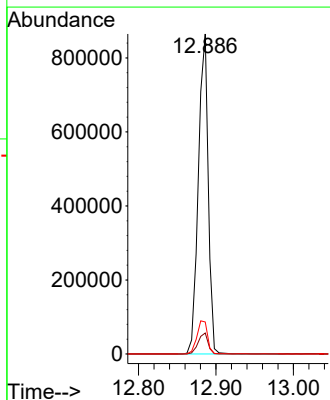
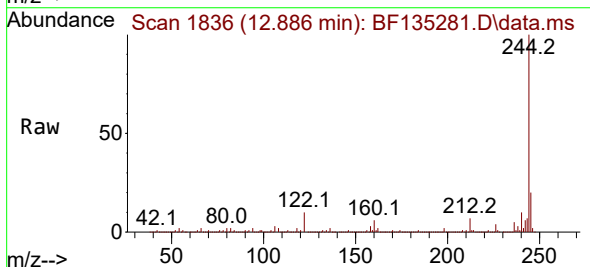
Manual Integrations
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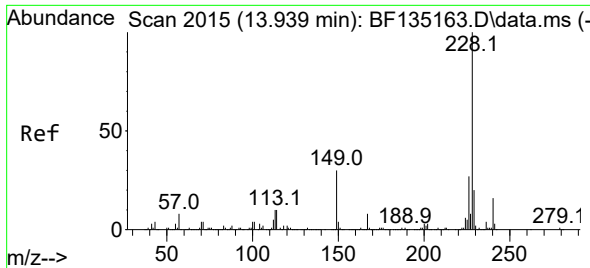
Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023



#79
Terphenyl-d14
Concen: 55.052 ng
RT: 12.886 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF135281.D
Acq: 15 Sep 2023 16:11

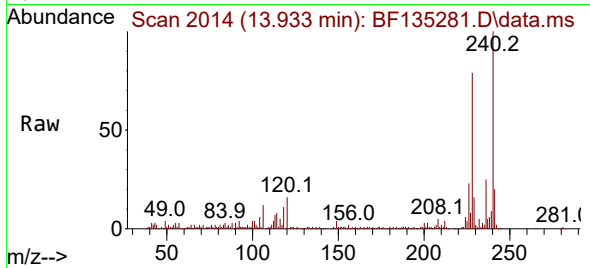
Tgt Ion:244 Resp: 765274
Ion Ratio Lower Upper
244 100
212 6.6 5.1 7.7
122 10.0 7.9 11.9





#81
Benzo(a)anthracene
Concen: 3.243 ng
RT: 13.933 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF135281.D
Acq: 15 Sep 2023 16:11

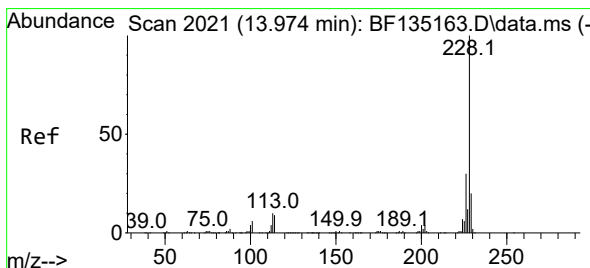
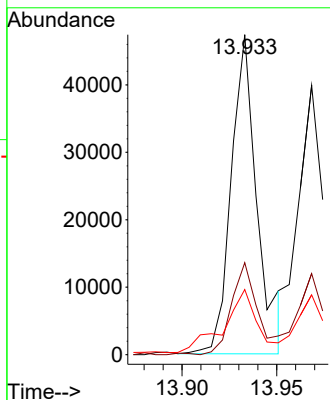
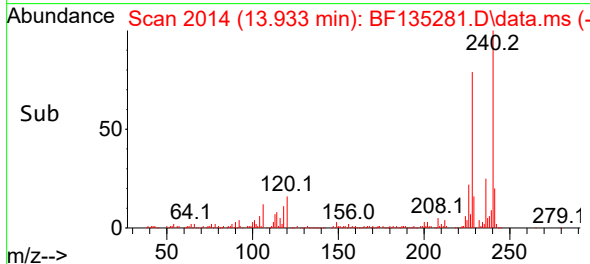
Instrument :
BNA_F
ClientSampleId :
WC-2(0-2)COMP



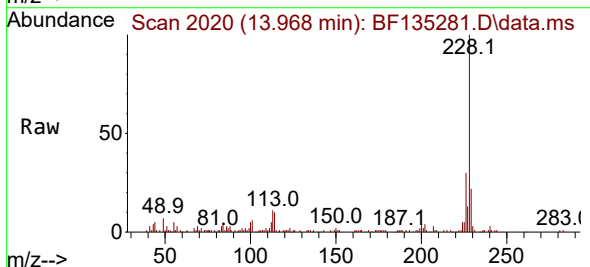
Tgt Ion:228 Resp: 4512
Ion Ratio Lower Upper
228 100
226 28.7 21.7 32.5
229 20.3 15.8 23.8

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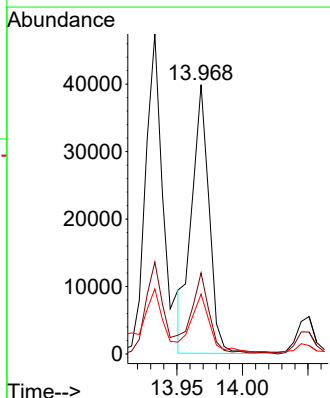
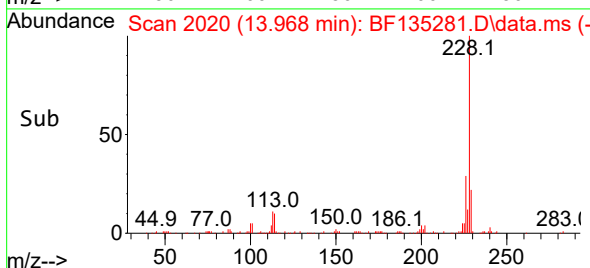
Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023

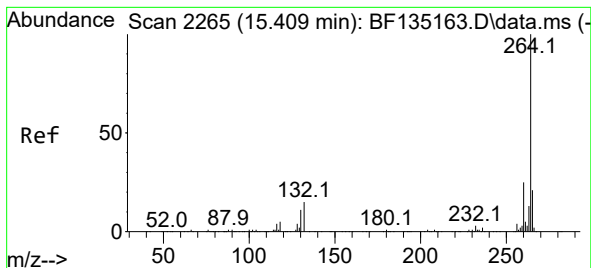


#83
Chrysene
Concen: 2.675 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF135281.D
Acq: 15 Sep 2023 16:11



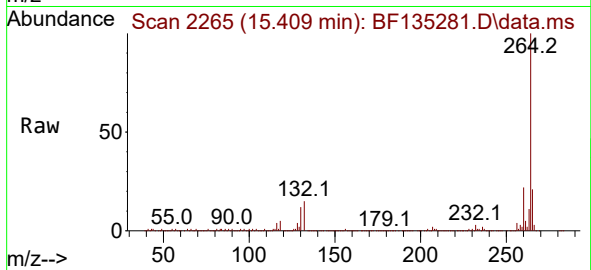
Tgt Ion:228 Resp: 37013
Ion Ratio Lower Upper
228 100
226 30.1 24.3 36.5
229 22.2 16.0 24.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.409 min Scan# 2192
Delta R.T. 0.000 min
Lab File: BF135281.D
Acq: 15 Sep 2023 16:11

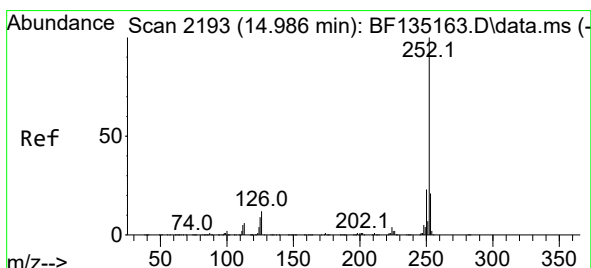
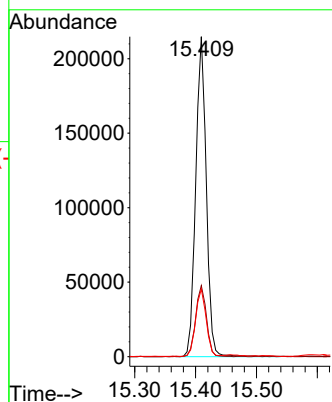
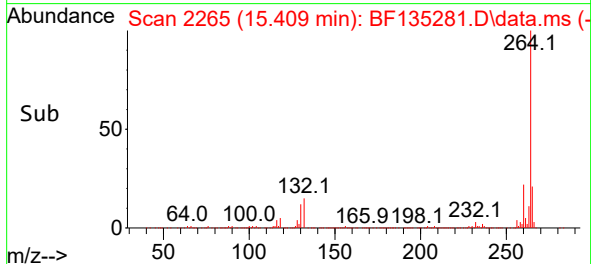
Instrument :
BNA_F
ClientSampleId :
WC-2(0-2)COMP



Tgt Ion:264 Resp: 259120
Ion Ratio Lower Upper
264 100
260 22.2 19.8 29.6
265 21.2 17.0 25.4

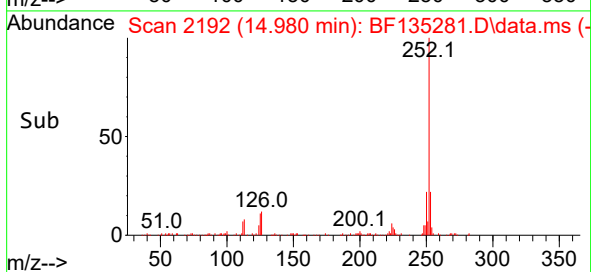
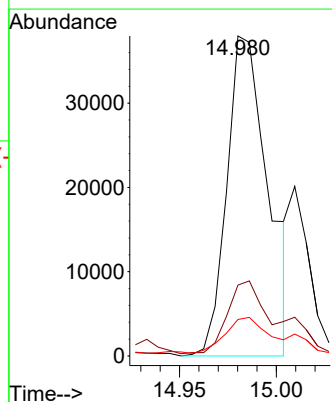
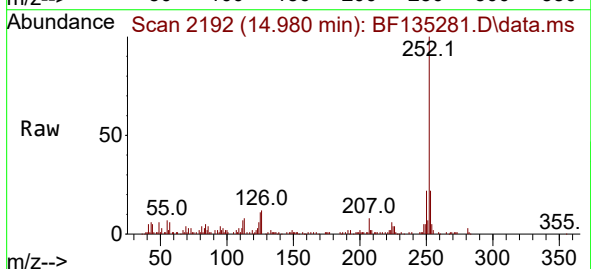
Manual Integrations
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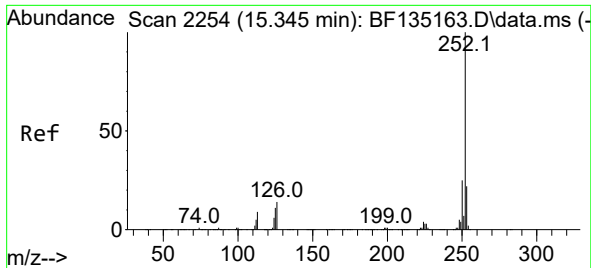
Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023



#88
Benzo(b)fluoranthene
Concen: 4.013 ng m
RT: 14.980 min Scan# 2192
Delta R.T. -0.006 min
Lab File: BF135281.D
Acq: 15 Sep 2023 16:11

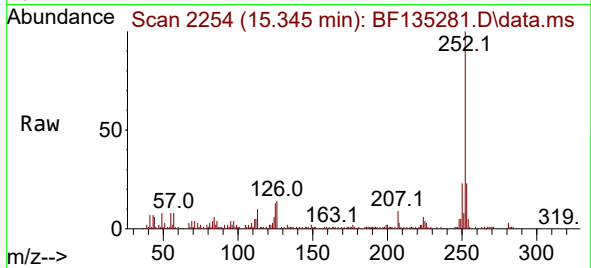
Tgt Ion:252 Resp: 56287
Ion Ratio Lower Upper
252 100
253 22.1 17.2 25.8
125 11.4 7.1 10.7#





#90
Benzo(a)pyrene
Concen: 2.870 ng
RT: 15.345 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF135281.D
Acq: 15 Sep 2023 16:11

Instrument :
BNA_F
ClientSampleId :
WC-2(0-2)COMP



Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	12.6	9.2	13.8

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Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023

