

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF083023\
 Data File : BF135030.D
 Acq On : 31 Aug 2023 05:02
 Operator : CG\JU
 Sample : 04188-10
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/31/2023
 Supervised By :mohammad ahmed 08/31/2023

Quant Time: Aug 31 06:02:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 31 03:48:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	126103	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	503604	20.000	ng	0.00
39) Acenaphthene-d10	9.810	164	227561	20.000	ng	0.00
64) Phenanthrene-d10	11.298	188	326515	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	236583	20.000	ng	0.00
86) Perylene-d12	15.427	264	224079	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	680282	83.327	ng	0.00
7) Phenol-d6	6.410	99	840089	82.556	ng	0.00
23) Nitrobenzene-d5	7.334	82	503848	56.208	ng	-0.01
42) 2,4,6-Tribromophenol	10.598	330	167767	69.499	ng	-0.01
45) 2-Fluorobiphenyl	9.128	172	882044	63.107	ng	-0.01
79) Terphenyl-d14	12.898	244	636313	43.892	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.322	178	46776	2.777	ng	99
75) Fluoranthene	12.522	202	112254	6.591	ng	98
78) Pyrene	12.751	202	106752	4.752	ng	99
81) Benzo(a)anthracene	13.945	228	69664	4.317	ng	96
83) Chrysene	13.980	228	63787	4.022	ng	98
88) Benzo(b)fluoranthene	14.998	252	90736m	6.508	ng	
89) Benzo(k)fluoranthene	15.021	252	27147m	2.015	ng	
90) Benzo(a)pyrene	15.363	252	53654	4.142	ng	99
92) Benzo(g,h,i)perylene	17.345	276	25995	2.045	ng	97

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

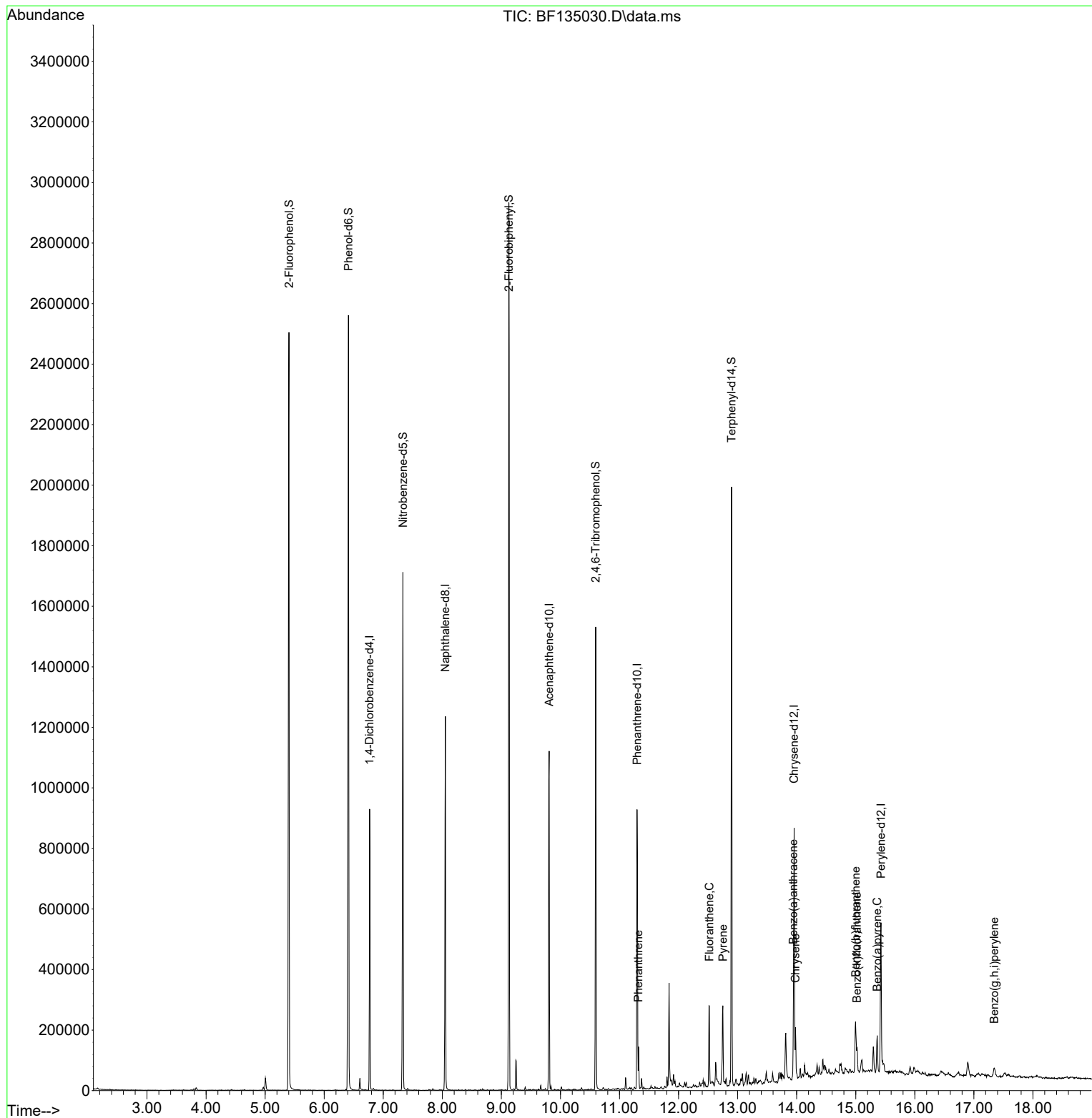
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF083023\
Data File : BF135030.D
Acq On : 31 Aug 2023 05:02
Operator : CG\JU
Sample : 04188-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

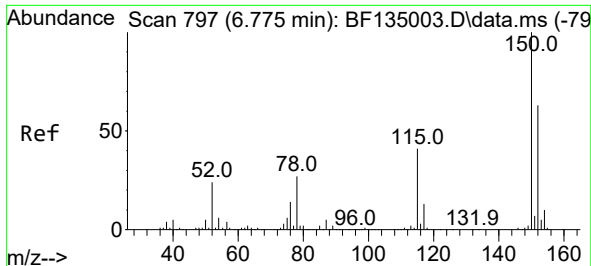
Instrument :
BNA_F
ClientSampleId :
WC-4

Quant Time: Aug 31 06:02:23 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 31 03:48:08 2023
Response via : Initial Calibration

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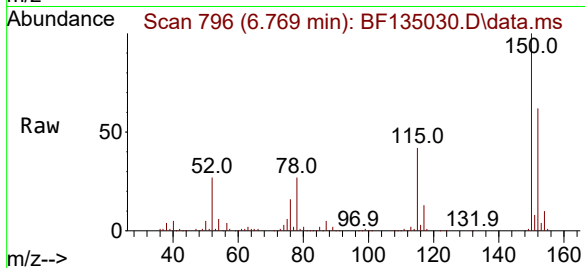
Reviewed By :Yogesh Patel 08/31/2023
Supervised By :mohammad ahmed 08/31/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF135030.D
Acq: 31 Aug 2023 05:02

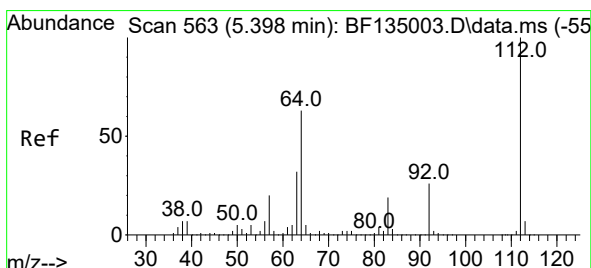
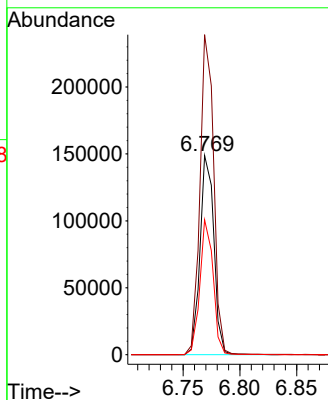
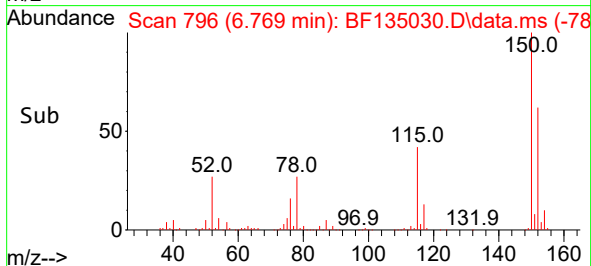
Instrument :
BNA_F
ClientSampleId :
WC-4



Tgt Ion:152 Resp: 12610
Ion Ratio Lower Upper
152 100
150 160.7 126.2 189.4
115 67.8 51.2 76.8

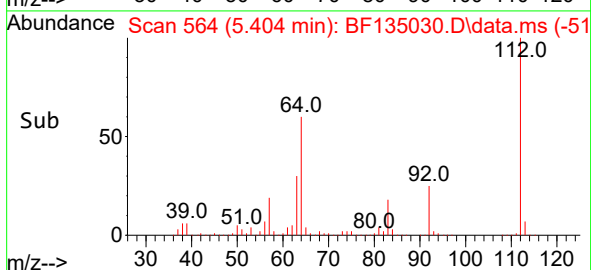
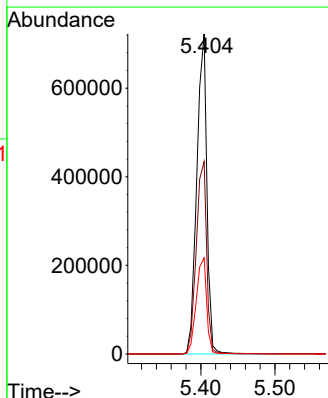
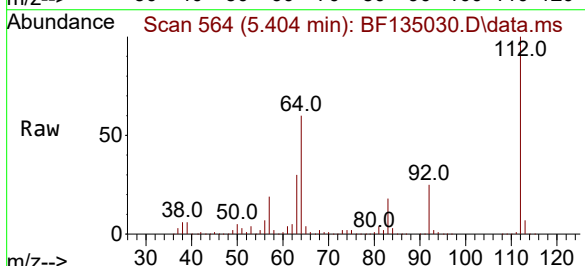
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#5
2-Fluorophenol
Concen: 83.327 ng
RT: 5.404 min Scan# 564
Delta R.T. 0.006 min
Lab File: BF135030.D
Acq: 31 Aug 2023 05:02

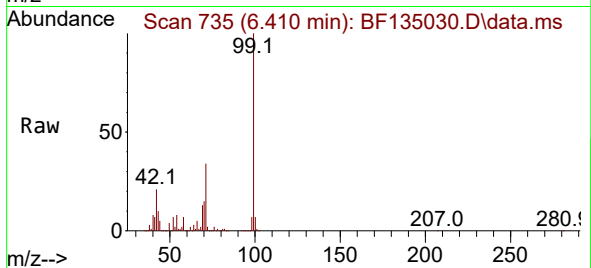
Tgt Ion:112 Resp: 680282
Ion Ratio Lower Upper
112 100
64 60.1 50.5 75.7
63 30.0 25.9 38.9





#7
Phenol-d6
Concen: 82.556 ng
RT: 6.410 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135030.D
Acq: 31 Aug 2023 05:02

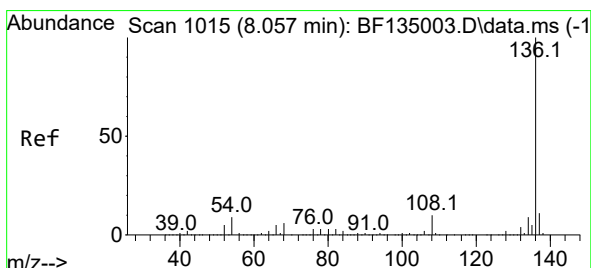
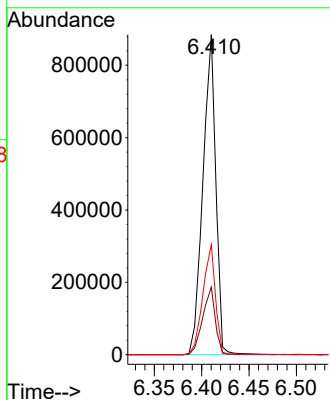
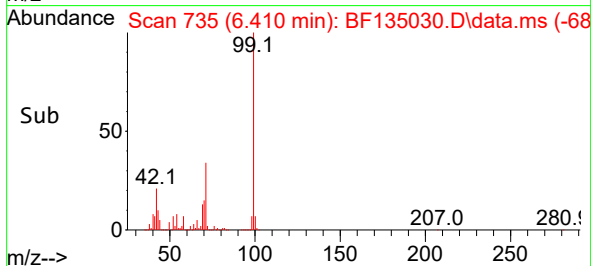
Instrument :
BNA_F
ClientSampleId :
WC-4



Tgt Ion: 99 Resp: 840089
Ion Ratio Lower Upper
99 100
42 21.1 16.6 25.0
71 34.4 27.0 40.6

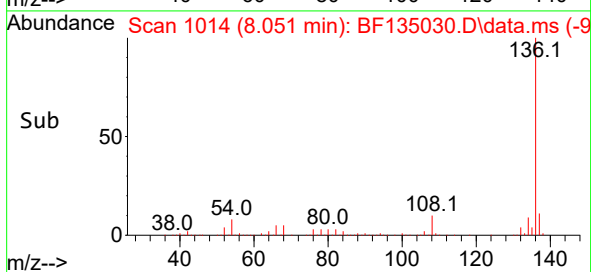
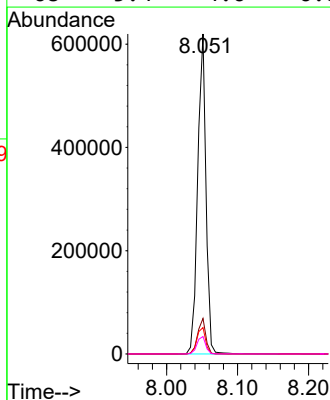
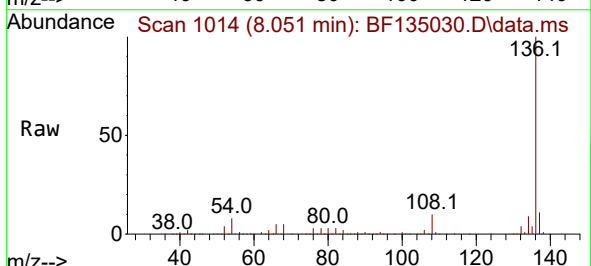
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.051 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF135030.D
Acq: 31 Aug 2023 05:02

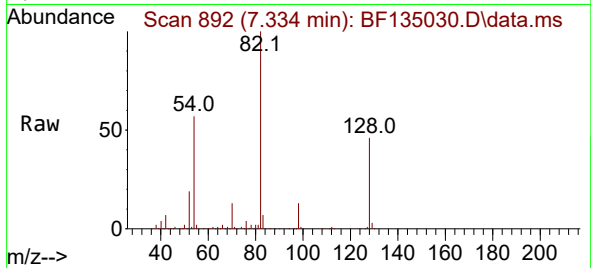
Tgt Ion:136 Resp: 503604
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.2 7.0 10.4
68 5.4 4.6 6.8





#23
Nitrobenzene-d5
Concen: 56.208 ng
RT: 7.334 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF135030.D
Acq: 31 Aug 2023 05:02

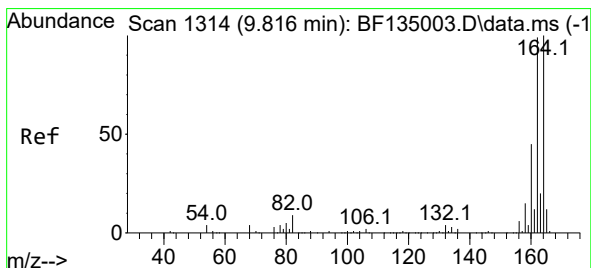
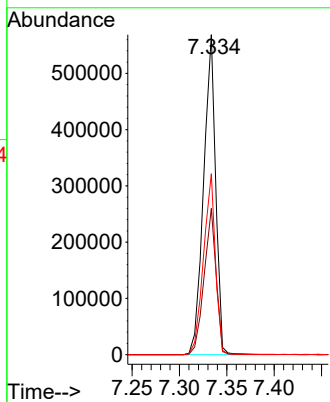
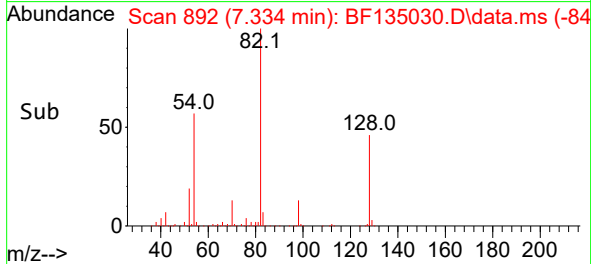
Instrument :
BNA_F
ClientSampleId :
WC-4



Tgt Ion: 82 Resp: 50384
Ion Ratio Lower Upper
82 100
128 45.7 37.8 56.8
54 56.6 45.0 67.6

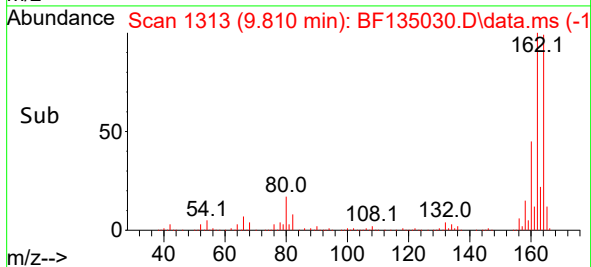
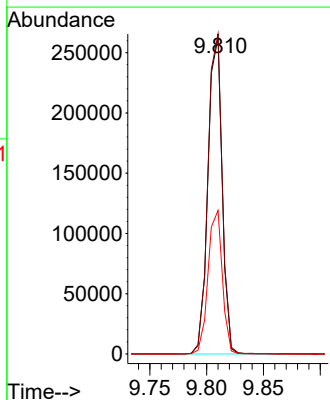
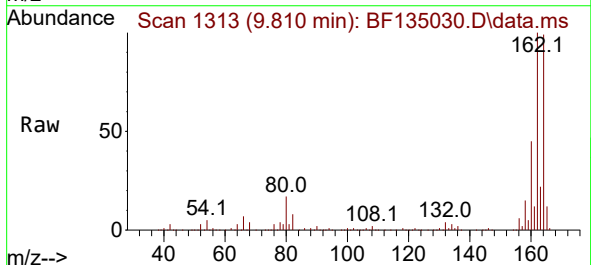
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF135030.D
Acq: 31 Aug 2023 05:02

Tgt Ion:164 Resp: 227561
Ion Ratio Lower Upper
164 100
162 101.1 79.5 119.3
160 45.4 36.0 54.0





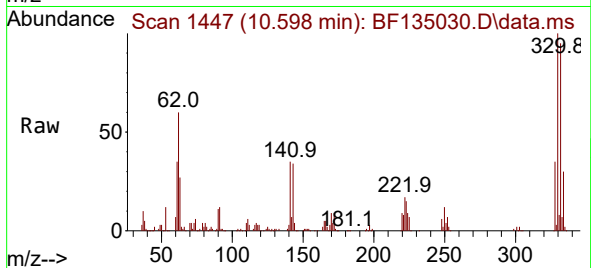
#42
2,4,6-Tribromophenol
Concen: 69.499 ng
RT: 10.598 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF135030.D
Acq: 31 Aug 2023 05:02

Instrument :

BNA_F

ClientSampleId :

WC-4



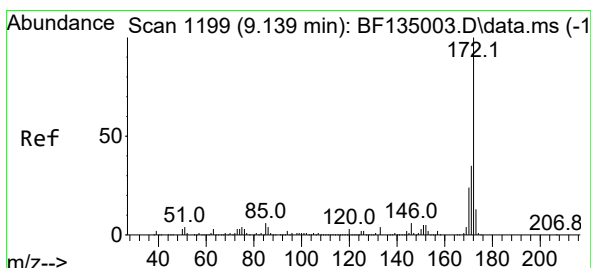
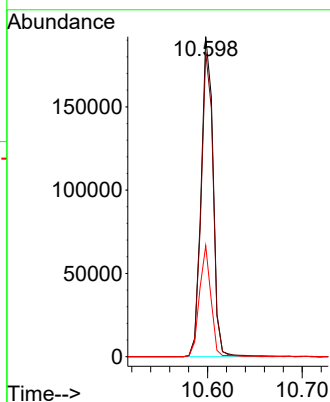
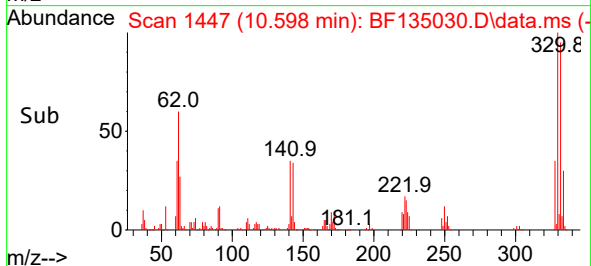
Tgt Ion:330 Resp: 16776
Ion Ratio Lower Upper
330 100
332 95.1 77.6 116.4
141 33.3 26.3 39.5

Manual Integrations

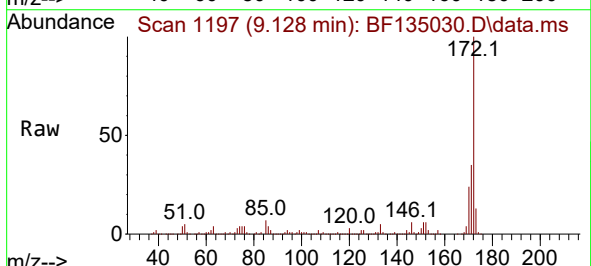
APPROVED

Reviewed By :Yogesh Patel 08/31/2023

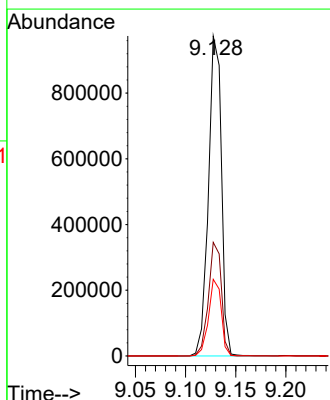
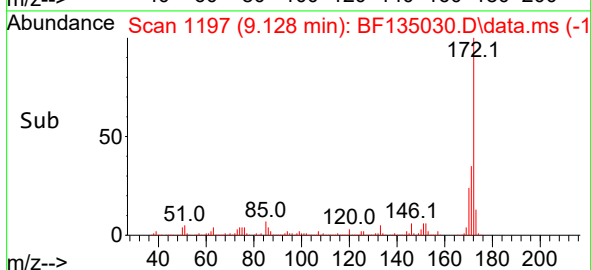
Supervised By :mohammad ahmed 08/31/2023

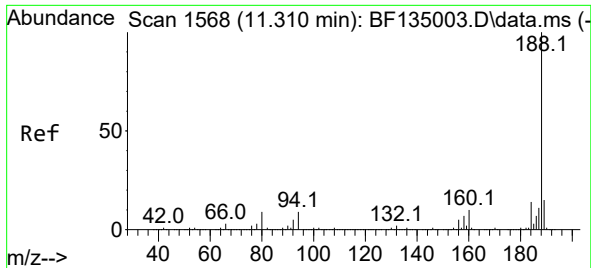


#45
2-Fluorobiphenyl
Concen: 63.107 ng
RT: 9.128 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF135030.D
Acq: 31 Aug 2023 05:02



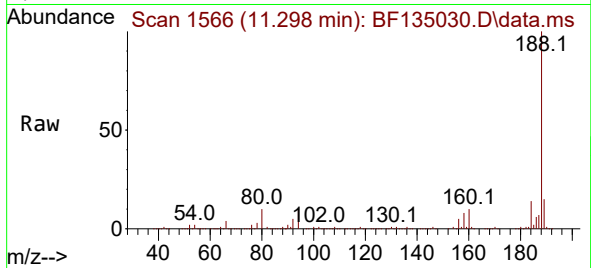
Tgt Ion:172 Resp: 882044
Ion Ratio Lower Upper
172 100
171 35.5 28.2 42.2
170 24.0 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF135030.D
Acq: 31 Aug 2023 05:02

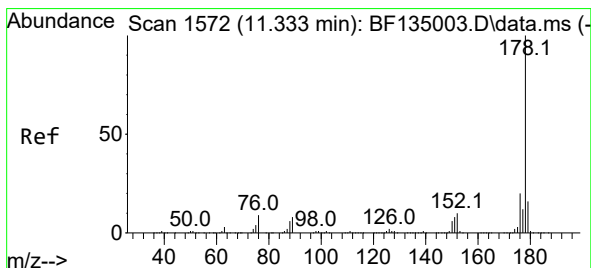
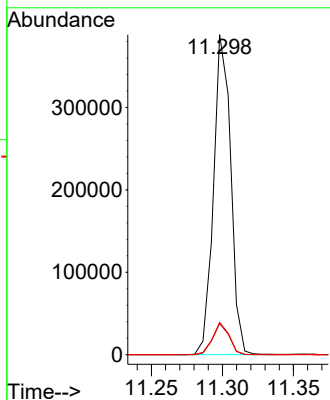
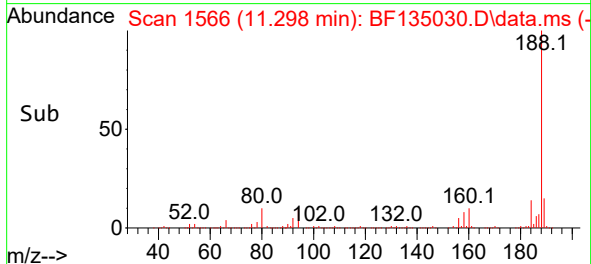
Instrument :
BNA_F
ClientSampleId :
WC-4



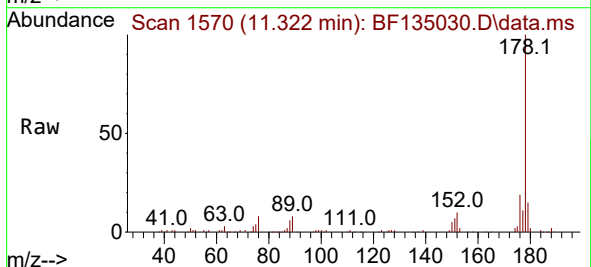
Tgt Ion:188 Resp: 32651
Ion Ratio Lower Upper
188 100
94 9.7 7.0 10.4
80 10.1 7.4 11.2

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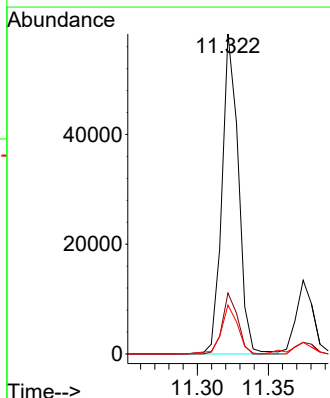
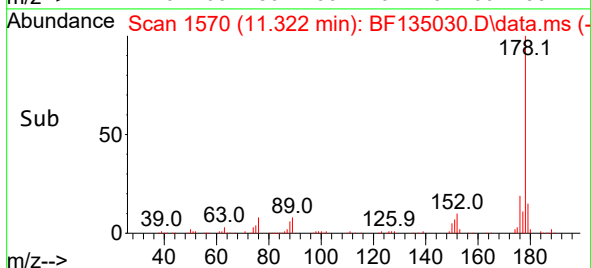
Reviewed By :Yogesh Patel 08/31/2023
Supervised By :mohammad ahmed 08/31/2023

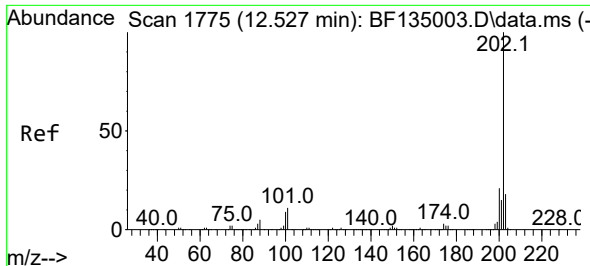


#71
Phenanthrene
Concen: 2.777 ng
RT: 11.322 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF135030.D
Acq: 31 Aug 2023 05:02



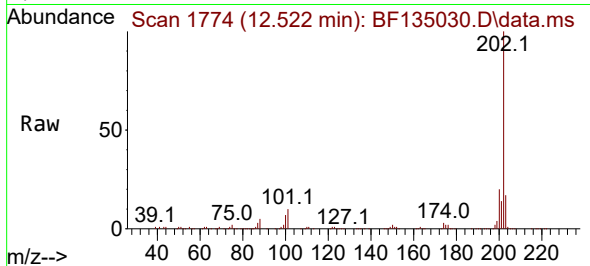
Tgt Ion:178 Resp: 46776
Ion Ratio Lower Upper
178 100
176 19.0 15.9 23.9
179 15.2 12.5 18.7





#75
Fluoranthene
Concen: 6.591 ng
RT: 12.522 min Scan# 1775
Delta R.T. -0.006 min
Lab File: BF135030.D
Acq: 31 Aug 2023 05:02

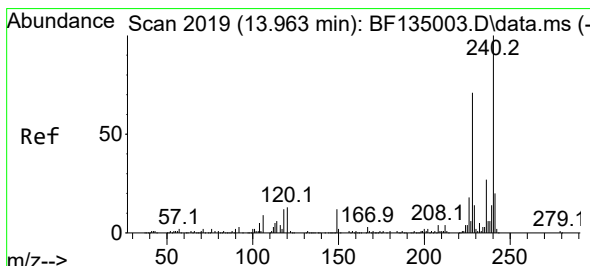
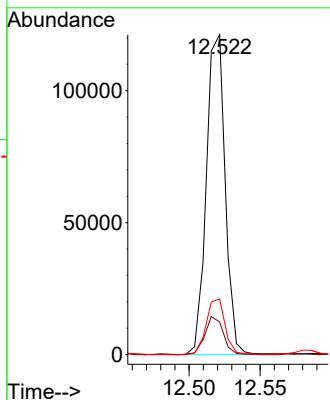
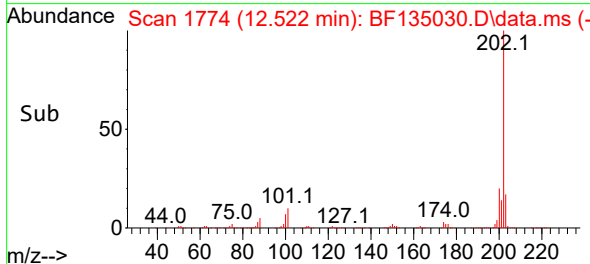
Instrument :
BNA_F
ClientSampleId :
WC-4



Tgt Ion:202 Resp: 112254
Ion Ratio Lower Upper
202 100
101 10.2 0.0 31.5
203 17.4 0.0 37.8

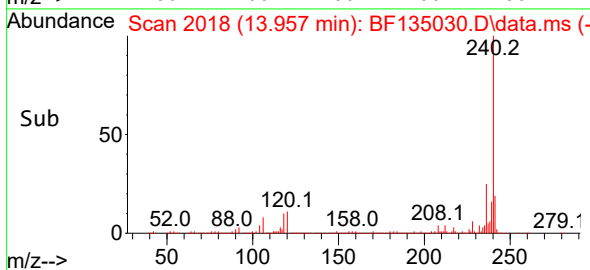
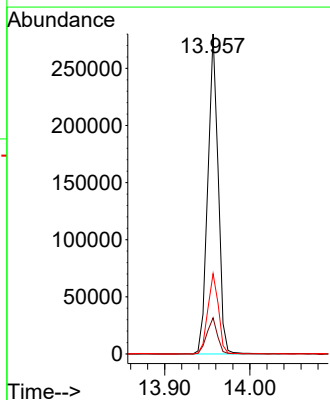
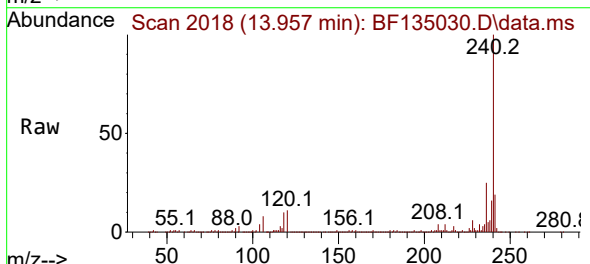
Manual Integrations
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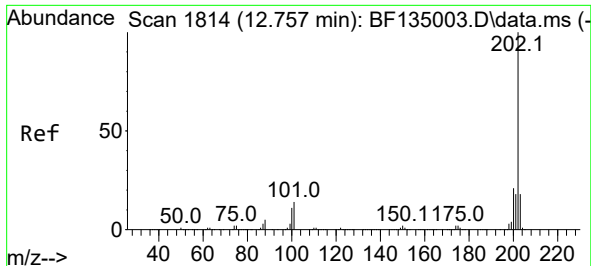
Reviewed By :Yogesh Patel 08/31/2023
Supervised By :mohammad ahmed 08/31/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF135030.D
Acq: 31 Aug 2023 05:02

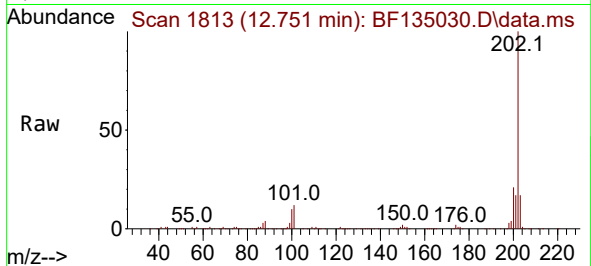
Tgt Ion:240 Resp: 236583
Ion Ratio Lower Upper
240 100
120 11.3 10.2 15.2
236 25.1 21.3 31.9





#78
Pyrene
Concen: 4.752 ng
RT: 12.751 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF135030.D
Acq: 31 Aug 2023 05:02

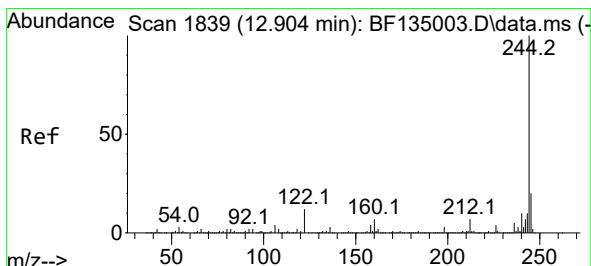
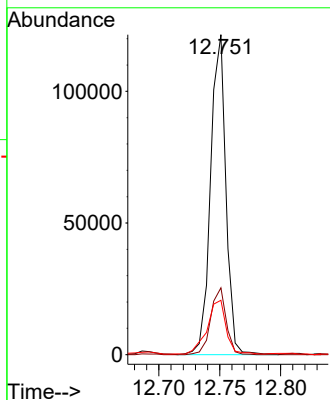
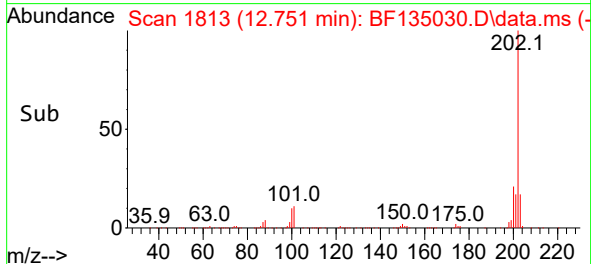
Instrument :
BNA_F
ClientSampleId :
WC-4



Tgt Ion:202 Resp: 106752
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.6
203 17.0 14.2 21.2

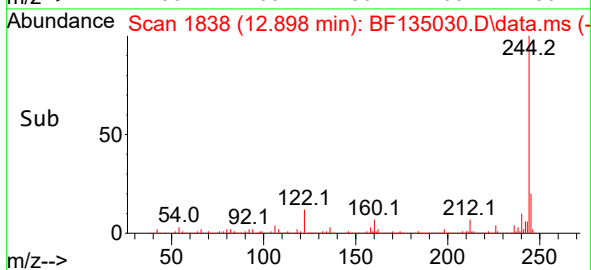
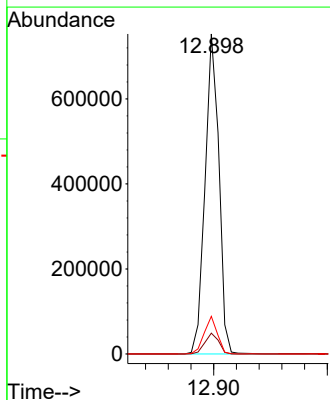
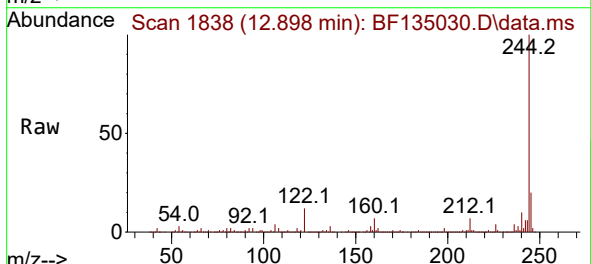
Manual Integrations
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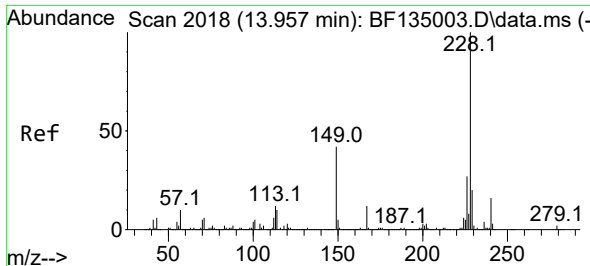
Reviewed By :Yogesh Patel 08/31/2023
Supervised By :mohammad ahmed 08/31/2023



#79
Terphenyl-d14
Concen: 43.892 ng
RT: 12.898 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF135030.D
Acq: 31 Aug 2023 05:02

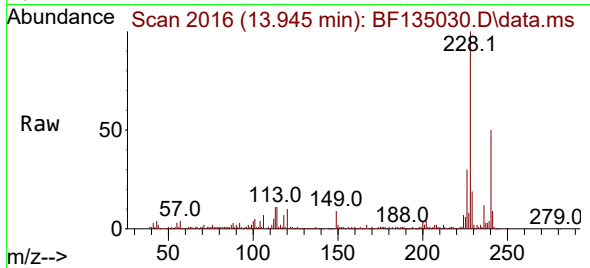
Tgt Ion:244 Resp: 636313
Ion Ratio Lower Upper
244 100
212 6.5 5.6 8.4
122 11.8 9.8 14.6





#81
Benzo(a)anthracene
Concen: 4.317 ng
RT: 13.945 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF135030.D
Acq: 31 Aug 2023 05:02

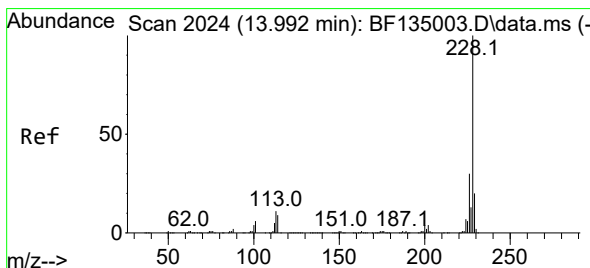
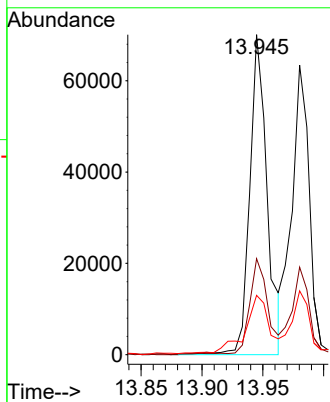
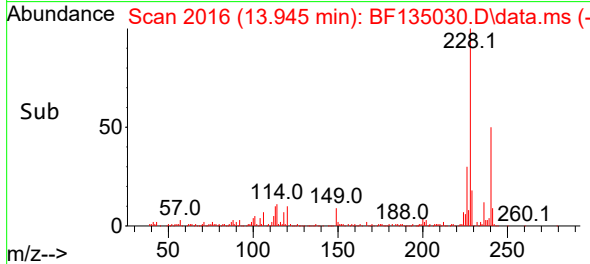
Instrument :
BNA_F
ClientSampleId :
WC-4



Tgt Ion:228 Resp: 69664
Ion Ratio Lower Upper
228 100
226 30.0 21.6 32.4
229 18.6 15.6 23.4

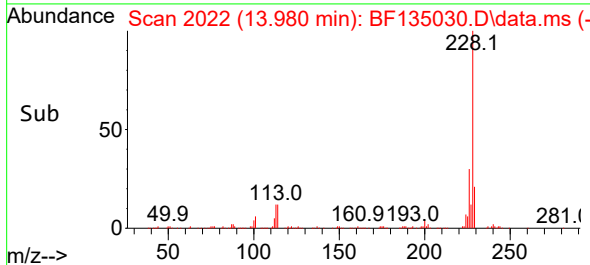
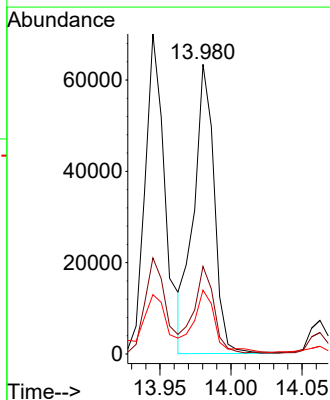
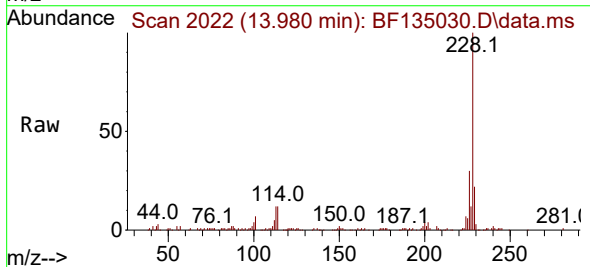
Manual Integrations
APPROVED

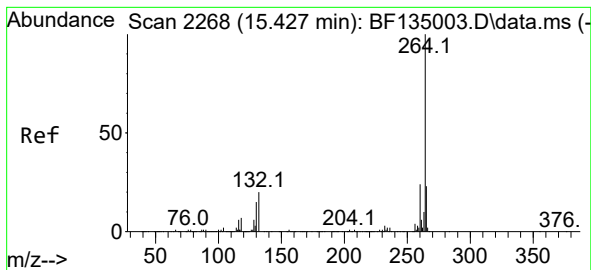
Reviewed By :Yogesh Patel 08/31/2023
Supervised By :mohammad ahmed 08/31/2023



#83
Chrysene
Concen: 4.022 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF135030.D
Acq: 31 Aug 2023 05:02

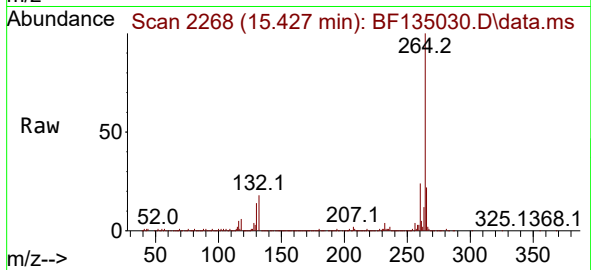
Tgt Ion:228 Resp: 63787
Ion Ratio Lower Upper
228 100
226 30.2 24.2 36.4
229 22.0 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BF135030.D
Acq: 31 Aug 2023 05:02

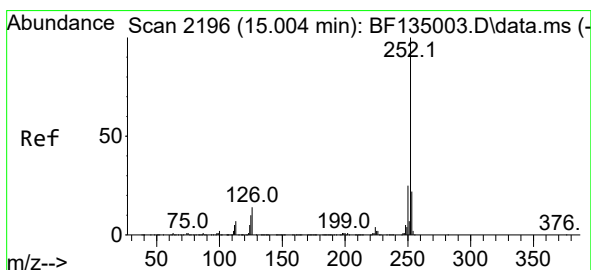
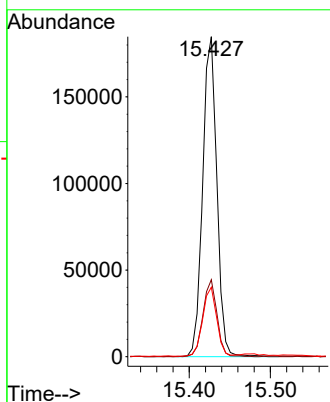
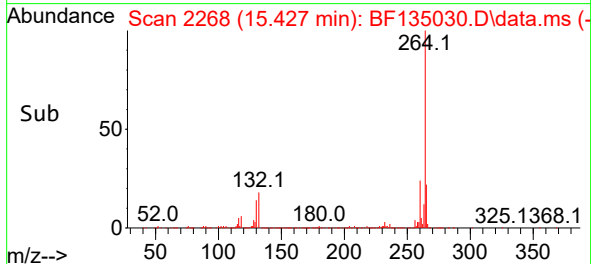
Instrument :
BNA_F
ClientSampleId :
WC-4



Tgt Ion:264 Resp: 224079
Ion Ratio Lower Upper
264 100
260 24.1 19.0 28.6
265 21.7 18.2 27.2

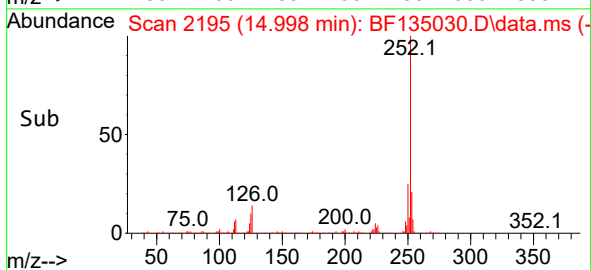
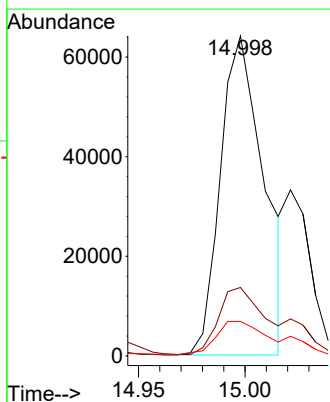
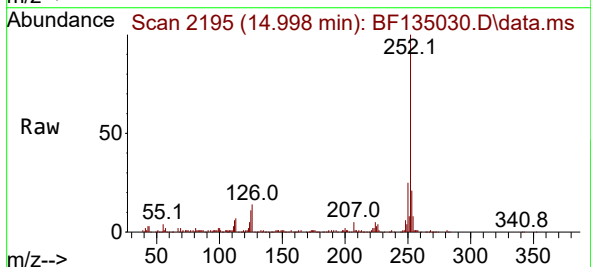
Manual Integrations
APPROVED

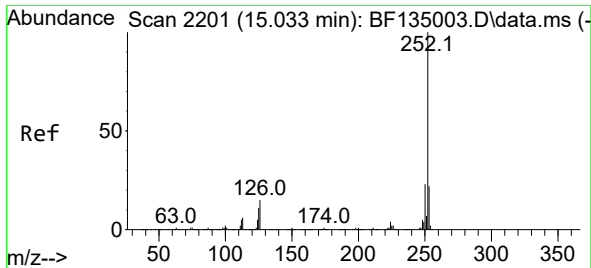
Reviewed By :Yogesh Patel 08/31/2023
Supervised By :mohammad ahmed 08/31/2023



#88
Benzo(b)fluoranthene
Concen: 6.508 ng m
RT: 14.998 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF135030.D
Acq: 31 Aug 2023 05:02

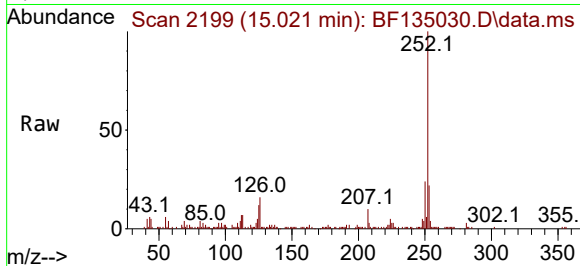
Tgt Ion:252 Resp: 90736
Ion Ratio Lower Upper
252 100
253 21.4 17.8 26.8
125 10.8 8.4 12.6





#89
Benzo(k)fluoranthene
Concen: 2.015 ng m
RT: 15.021 min Scan# 2199
Delta R.T. -0.012 min
Lab File: BF135030.D
Acq: 31 Aug 2023 05:02

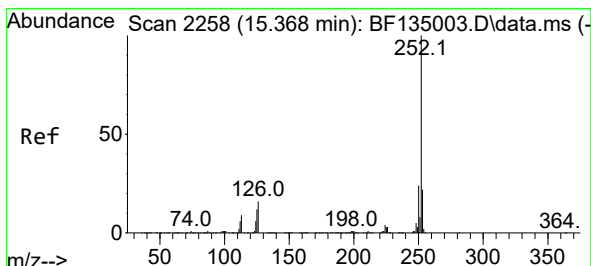
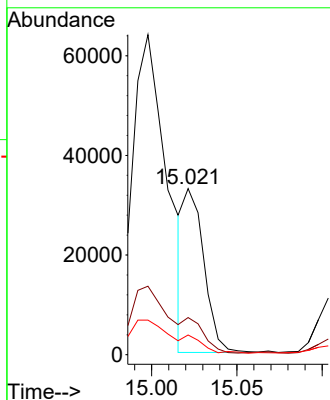
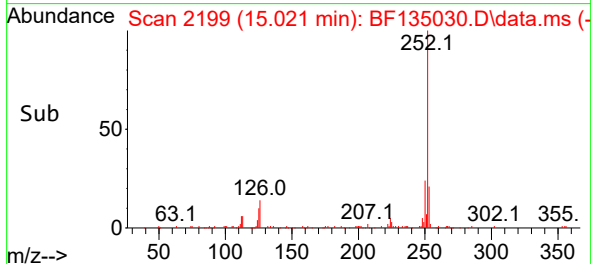
Instrument :
BNA_F
ClientSampleId :
WC-4



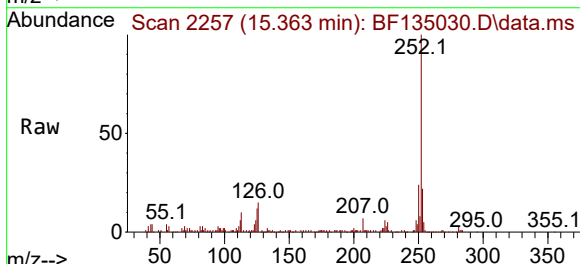
Tgt Ion:252 Resp: 2714
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.0
125 11.8 8.5 12.7

Manual Integrations
APPROVED

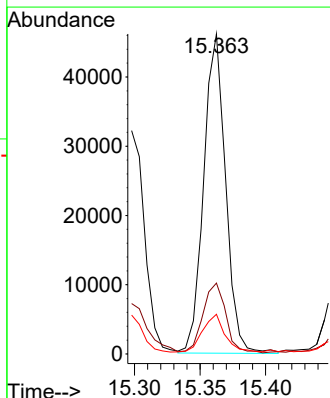
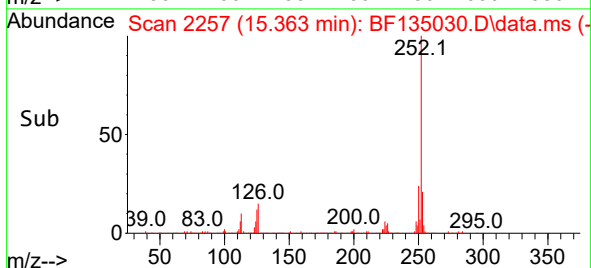
Reviewed By :Yogesh Patel 08/31/2023
Supervised By :mohammad ahmed 08/31/2023

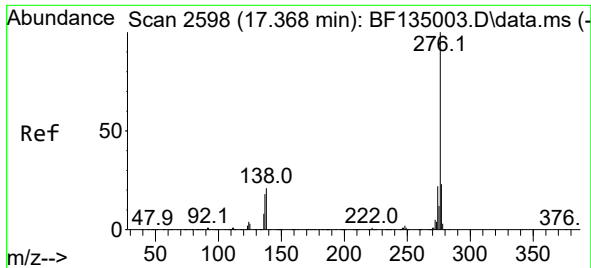


#90
Benzo(a)pyrene
Concen: 4.142 ng
RT: 15.363 min Scan# 2257
Delta R.T. -0.006 min
Lab File: BF135030.D
Acq: 31 Aug 2023 05:02



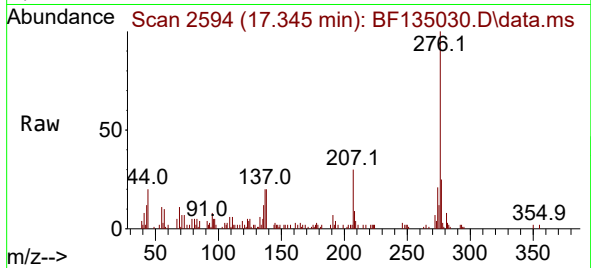
Tgt Ion:252 Resp: 53654
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.0
125 12.4 9.5 14.3





#92
Benzo(g,h,i)perylene
Concen: 2.045 ng
RT: 17.345 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF135030.D
Acq: 31 Aug 2023 05:02

Instrument :
BNA_F
ClientSampleId :
WC-4



Tgt Ion: 276 Resp: 2599
Ion Ratio Lower Upper
276 100
277 24.6 18.5 27.7
138 20.0 17.1 25.7

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/31/2023
Supervised By :mohammad ahmed 08/31/2023

