

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091523\
 Data File : BF135289.D
 Acq On : 15 Sep 2023 20:26
 Operator : CG\JU
 Sample : 04399-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11930

Manual Integrations
 APPROVED

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

Quant Time: Sep 16 01:55:42 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	112953	20.000	ng	0.00
21) Naphthalene-d8	8.033	136	420711	20.000	ng	-0.01
39) Acenaphthene-d10	9.792	164	202918	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	337757	20.000	ng	0.00
76) Chrysene-d12	13.939	240	209034	20.000	ng	0.00
86) Perylene-d12	15.409	264	252234	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	784998	113.034	ng	0.01
7) Phenol-d6	6.404	99	973078	110.193	ng	0.00
23) Nitrobenzene-d5	7.322	82	616492	79.612	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	219641	108.921	ng	-0.01
45) 2-Fluorobiphenyl	9.116	172	1086503	80.783	ng	-0.01
79) Terphenyl-d14	12.886	244	871335	64.618	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.304	178	69251	4.335	ng	99
75) Fluoranthene	12.504	202	155959	9.370	ng	98
78) Pyrene	12.733	202	135637	6.815	ng	99
81) Benzo(a)anthracene	13.927	228	60534	4.485	ng	99
83) Chrysene	13.968	228	69418	5.173	ng	97
84) Bis(2-ethylhexyl)phtha...	13.927	149	110832	15.414	ng	100
87) Indeno(1,2,3-cd)pyrene	16.880	276	33755	2.041	ng	96
88) Benzo(b)fluoranthene	14.980	252	97375m	7.131	ng	
89) Benzo(k)fluoranthene	15.009	252	33198m	2.461	ng	
90) Benzo(a)pyrene	15.345	252	59547	4.573	ng	96
92) Benzo(g,h,i)perylene	17.327	276	33142	2.345	ng	97

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

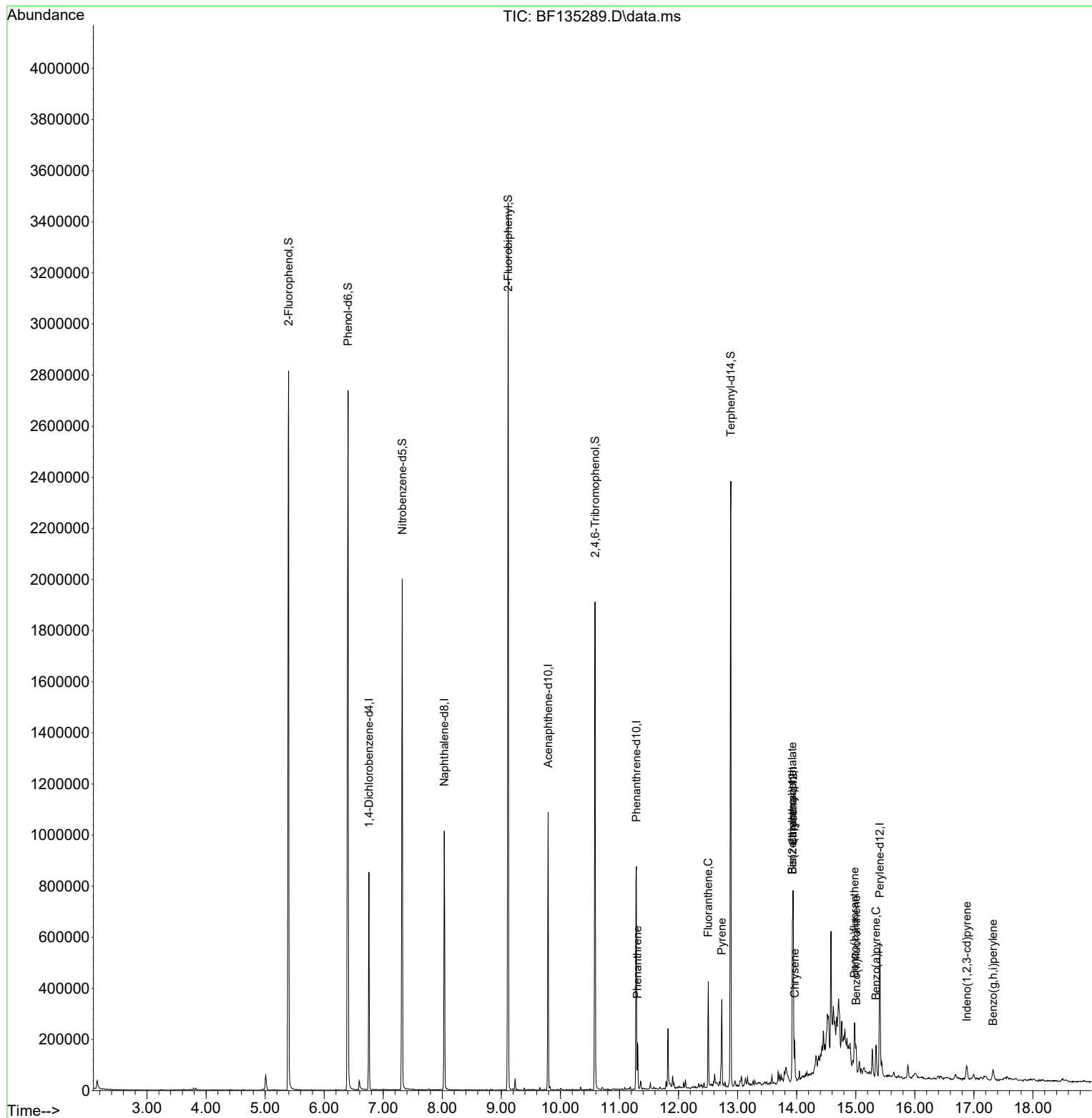
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091523\
Data File : BF135289.D
Acq On : 15 Sep 2023 20:26
Operator : CG\JU
Sample : 04399-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

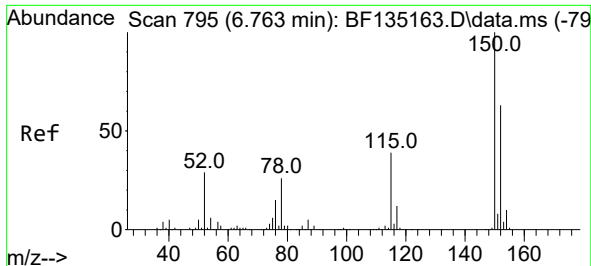
Instrument :
BNA_F
ClientSampleId :
72-11930

Quant Time: Sep 16 01:55:42 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
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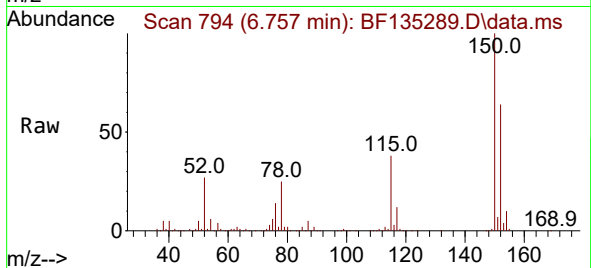


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135289.D
Acq: 15 Sep 2023 20:26

Instrument :

BNA_F

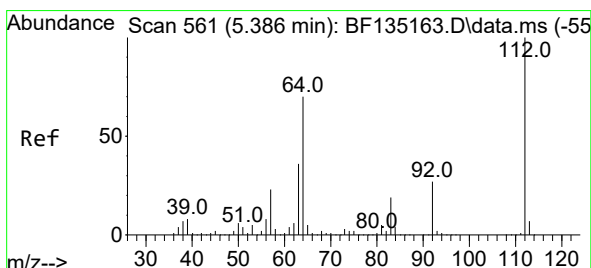
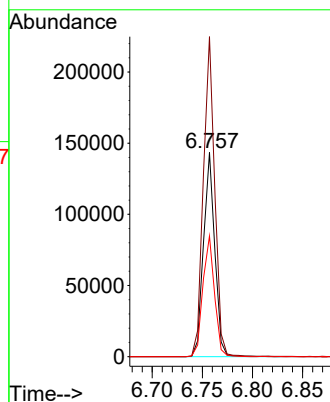
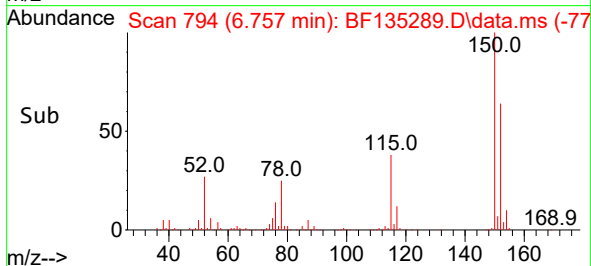
ClientSampleId :
72-11930



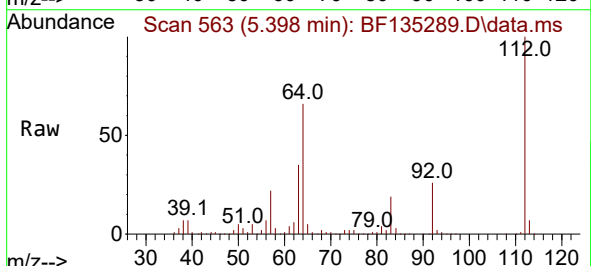
Tgt Ion:152 Resp: 11295
Ion Ratio Lower Upper
152 100
150 156.8 127.8 191.6
115 59.1 49.8 74.8

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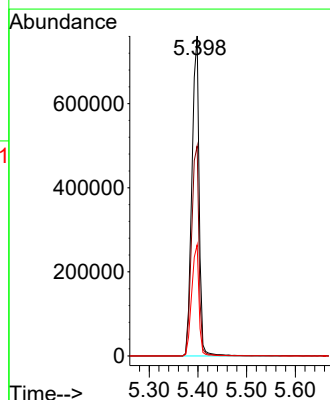
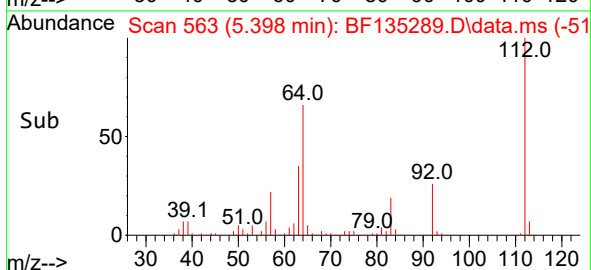
Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023

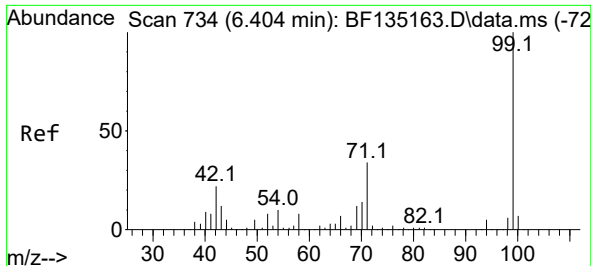


#5
2-Fluorophenol
Concen: 113.034 ng
RT: 5.398 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF135289.D
Acq: 15 Sep 2023 20:26



Tgt Ion:112 Resp: 784998
Ion Ratio Lower Upper
112 100
64 65.6 55.9 83.9
63 34.8 29.0 43.6





#7

Phenol-d6

Concen: 110.193 ng

RT: 6.404 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF135289.D

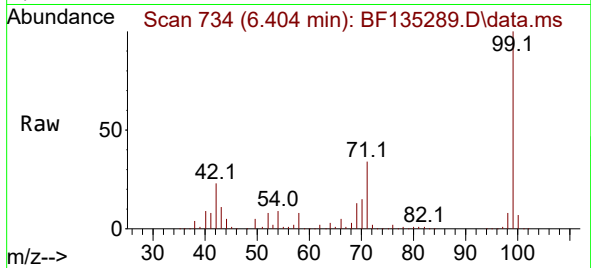
Acq: 15 Sep 2023 20:26

Instrument :

BNA_F

ClientSampleId :

72-11930



Tgt Ion: 99 Resp: 973078

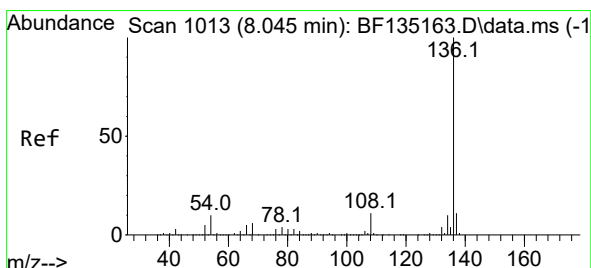
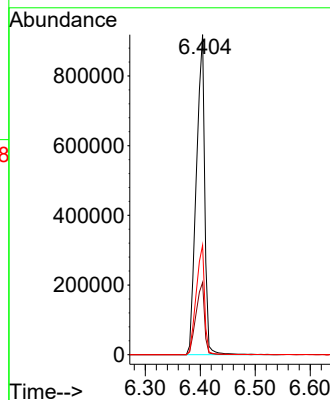
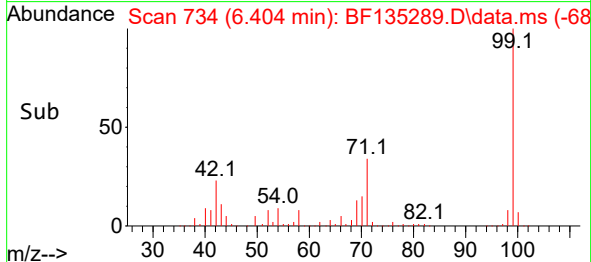
Ion	Ratio	Lower	Upper
99	100		
42	22.6	17.9	26.9
71	34.2	27.0	40.6

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.033 min Scan# 1011

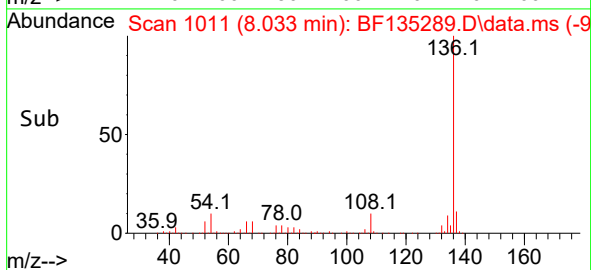
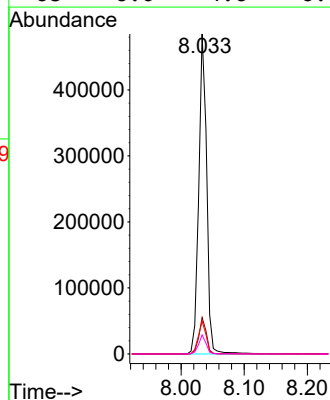
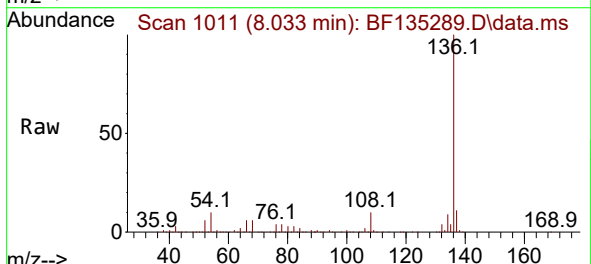
Delta R.T. -0.012 min

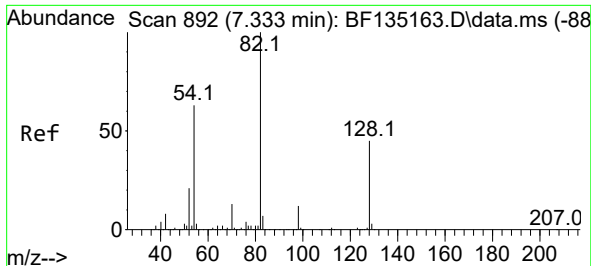
Lab File: BF135289.D

Acq: 15 Sep 2023 20:26

Tgt Ion:136 Resp: 420711

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	10.2	7.7	11.5
68	6.0	4.6	6.8



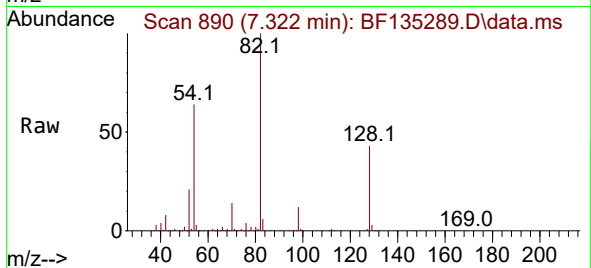


#23
Nitrobenzene-d5
Concen: 79.612 ng
RT: 7.322 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF135289.D
Acq: 15 Sep 2023 20:26

Instrument :

BNA_F

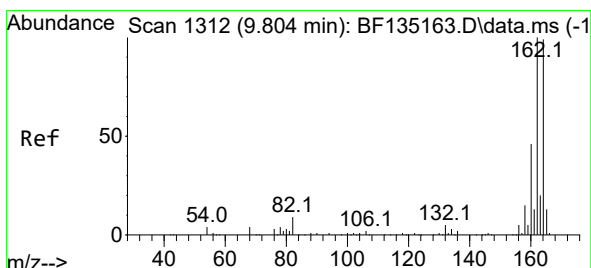
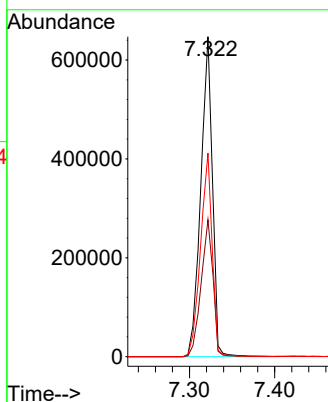
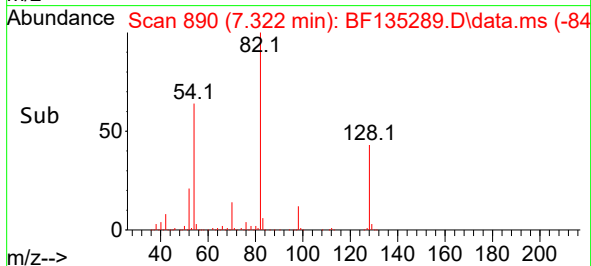
ClientSampleId :
72-11930



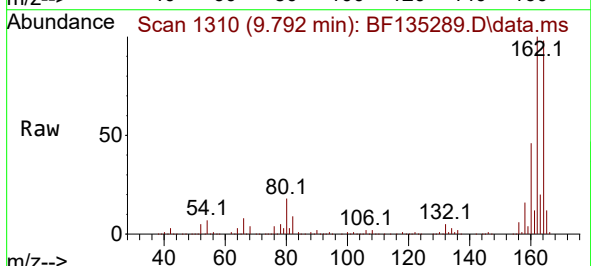
Tgt Ion: 82 Resp: 616492
Ion Ratio Lower Upper
82 100
128 42.8 35.8 53.6
54 63.6 50.6 76.0

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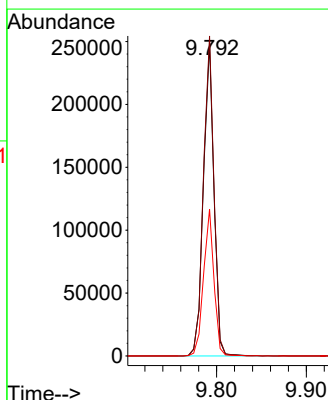
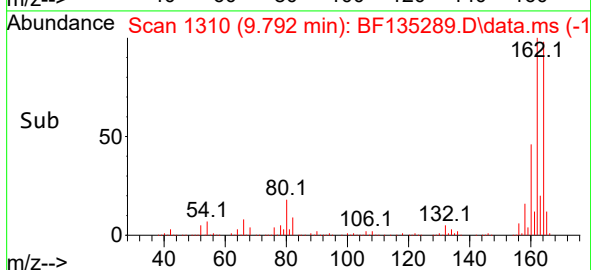
Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023

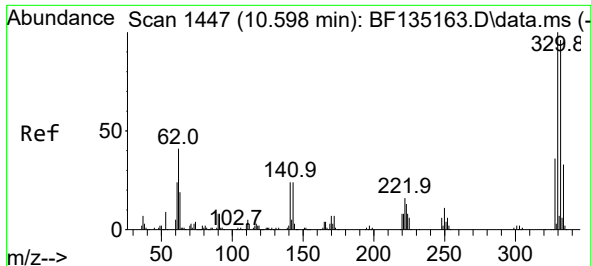


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.012 min
Lab File: BF135289.D
Acq: 15 Sep 2023 20:26



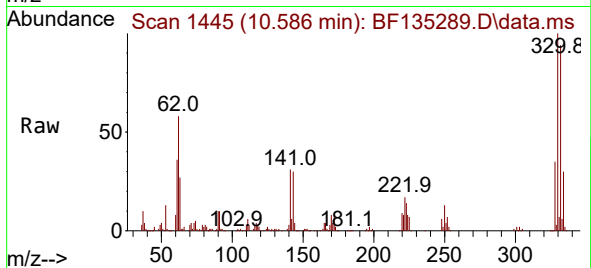
Tgt Ion:164 Resp: 202918
Ion Ratio Lower Upper
164 100
162 102.3 81.0 121.4
160 47.0 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 108.921 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF135289.D
Acq: 15 Sep 2023 20:26

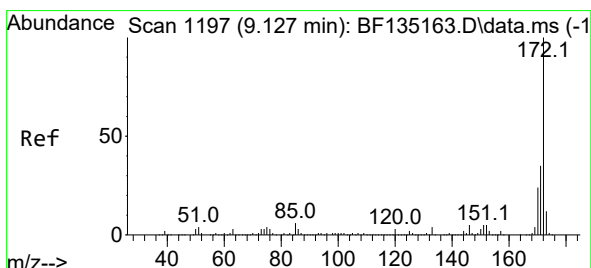
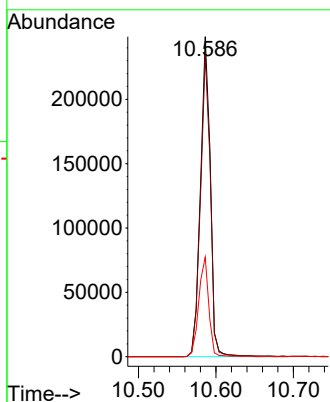
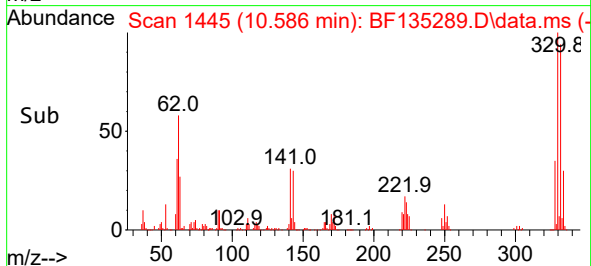
Instrument :
BNA_F
ClientSampleId :
72-11930



Tgt Ion:330 Resp: 21964
Ion Ratio Lower Upper
330 100
332 95.0 77.3 115.9
141 31.7 25.8 38.8

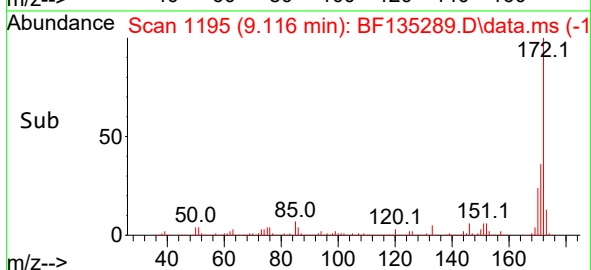
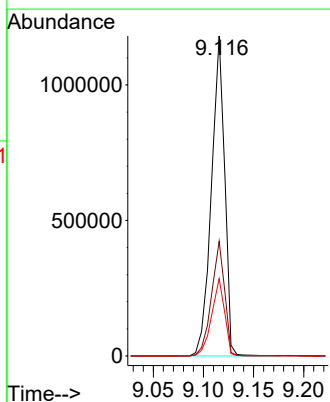
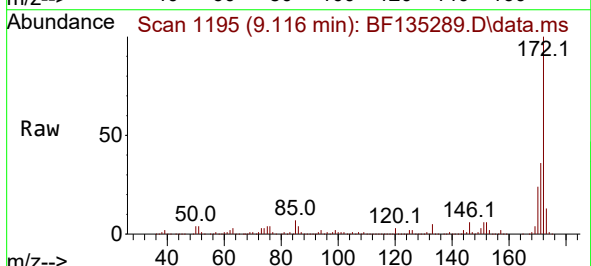
Manual Integrations
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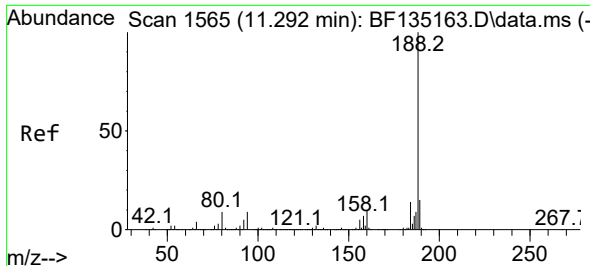
Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023



#45
2-Fluorobiphenyl
Concen: 80.783 ng
RT: 9.116 min Scan# 1195
Delta R.T. -0.012 min
Lab File: BF135289.D
Acq: 15 Sep 2023 20:26

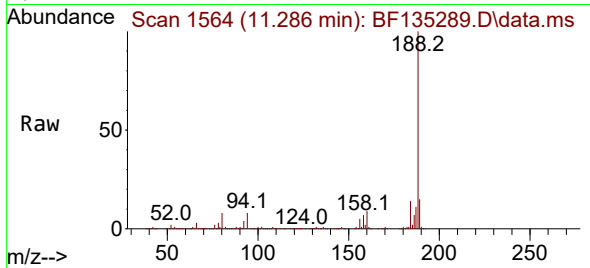
Tgt Ion:172 Resp: 1086503
Ion Ratio Lower Upper
172 100
171 35.9 28.4 42.6
170 24.1 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135289.D
Acq: 15 Sep 2023 20:26

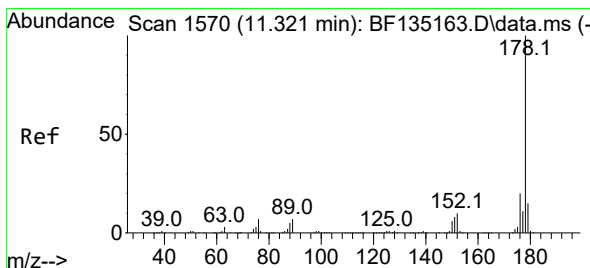
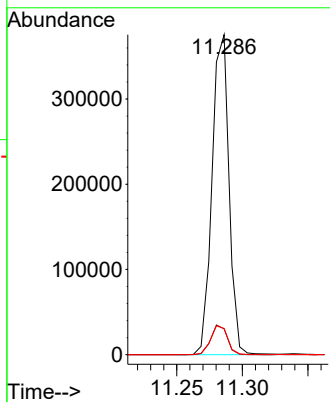
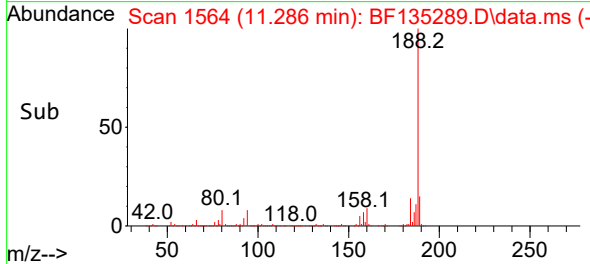
Instrument :
BNA_F
ClientSampleId :
72-11930



Tgt Ion:188 Resp: 33775
Ion Ratio Lower Upper
188 100
94 8.1 7.0 10.6
80 8.2 7.5 11.3

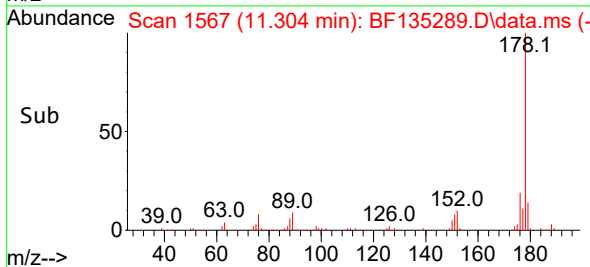
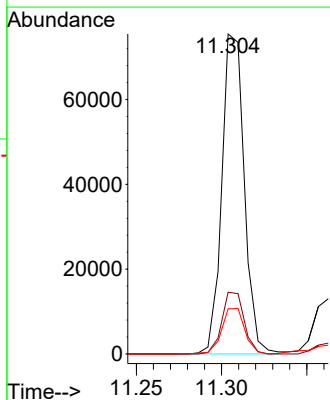
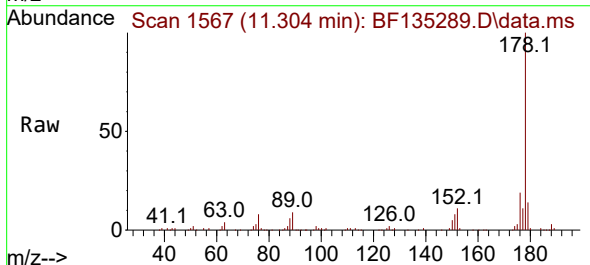
Manual Integrations
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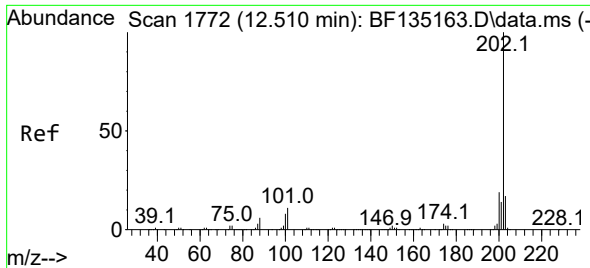
Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023



#71
Phenanthrene
Concen: 4.335 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.018 min
Lab File: BF135289.D
Acq: 15 Sep 2023 20:26

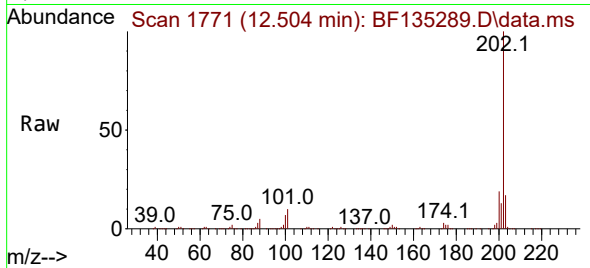
Tgt Ion:178 Resp: 69251
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 14.1 12.0 18.0





#75
Fluoranthene
Concen: 9.370 ng
RT: 12.504 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135289.D
Acq: 15 Sep 2023 20:26

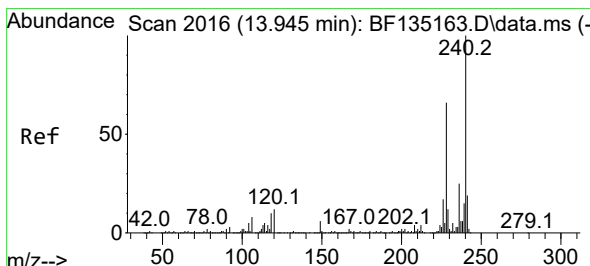
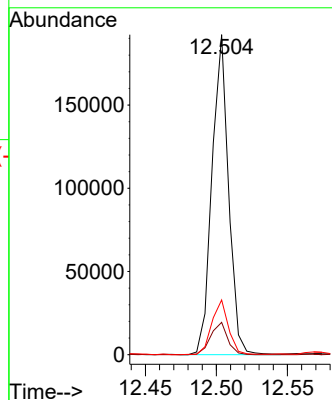
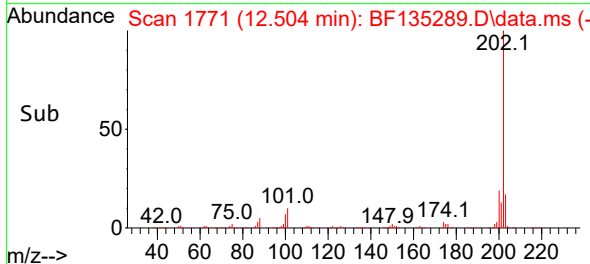
Instrument :
BNA_F
ClientSampleId :
72-11930



Tgt Ion:202 Resp: 155959
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.3
203 17.1 0.0 37.4

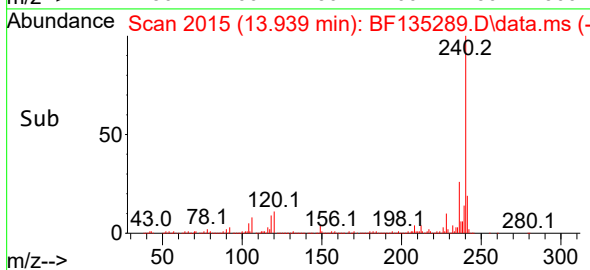
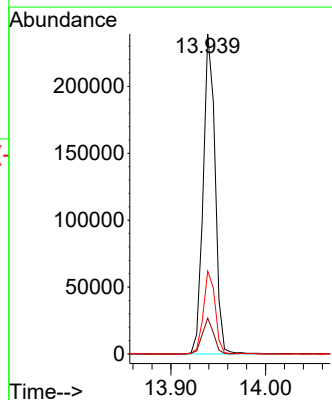
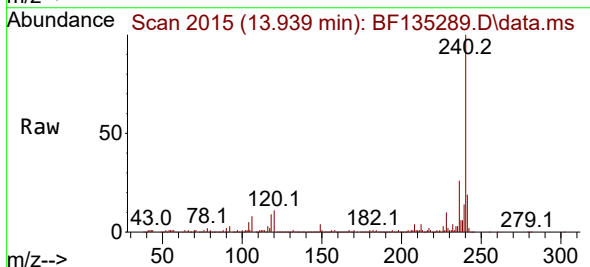
Manual Integrations
APPROVED

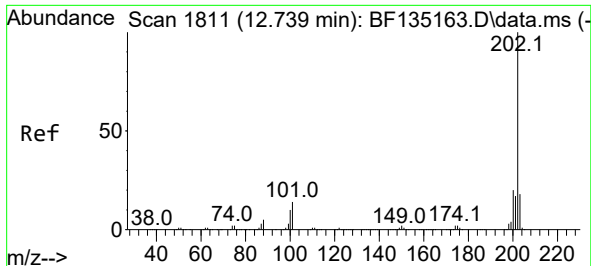
Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF135289.D
Acq: 15 Sep 2023 20:26

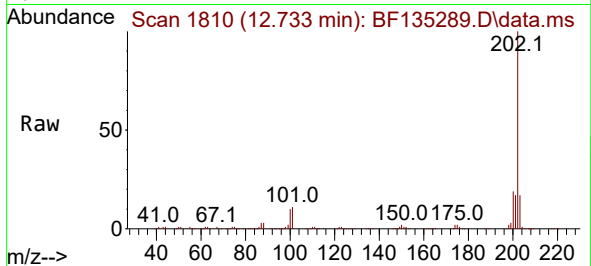
Tgt Ion:240 Resp: 209034
Ion Ratio Lower Upper
240 100
120 11.2 9.4 14.2
236 25.8 19.8 29.8





#78
Pyrene
Concen: 6.815 ng
RT: 12.733 min Scan# 1811
Delta R.T. -0.006 min
Lab File: BF135289.D
Acq: 15 Sep 2023 20:26

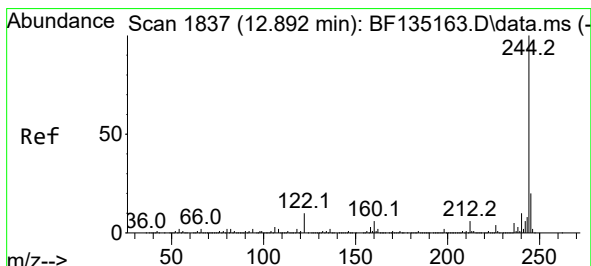
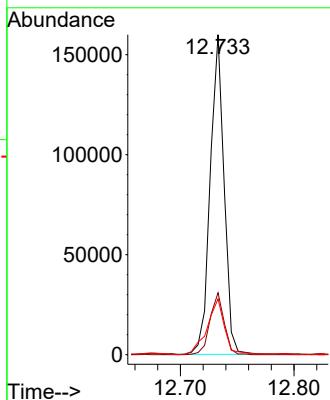
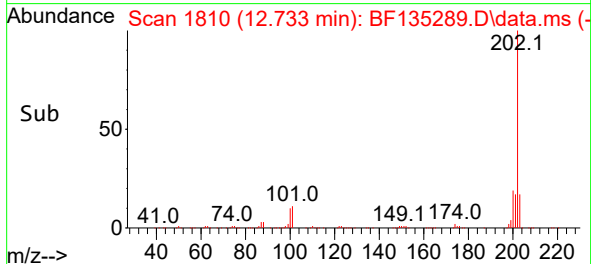
Instrument :
BNA_F
ClientSampleId :
72-11930



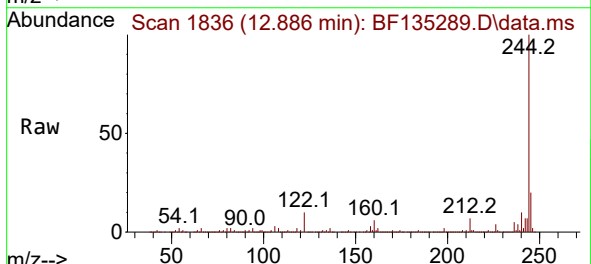
Tgt Ion:202 Resp: 13563
Ion Ratio Lower Upper
202 100
200 19.3 16.2 24.2
203 17.5 14.2 21.4

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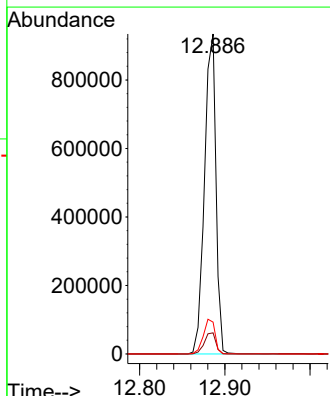
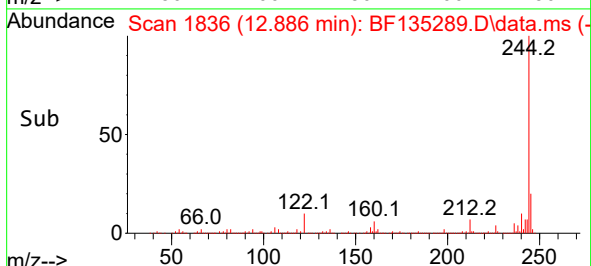
Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023

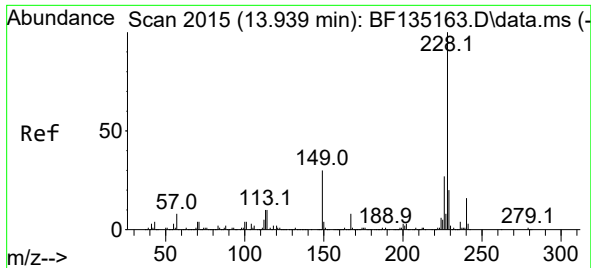


#79
Terphenyl-d14
Concen: 64.618 ng
RT: 12.886 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF135289.D
Acq: 15 Sep 2023 20:26



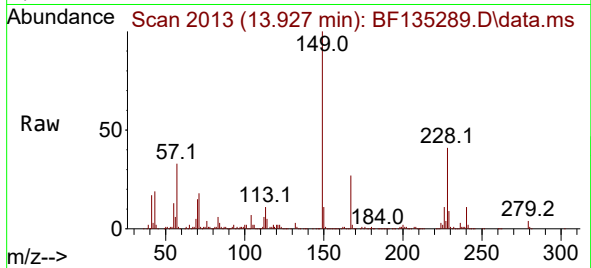
Tgt Ion:244 Resp: 871335
Ion Ratio Lower Upper
244 100
212 6.6 5.1 7.7
122 10.0 7.9 11.9





#81
Benzo(a)anthracene
Concen: 4.485 ng
RT: 13.927 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF135289.D
Acq: 15 Sep 2023 20:26

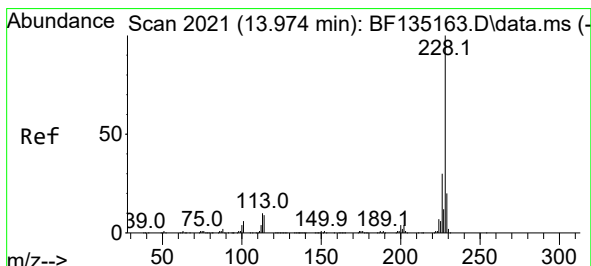
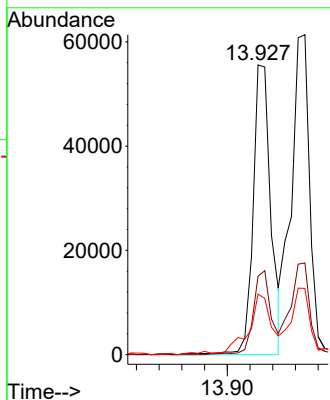
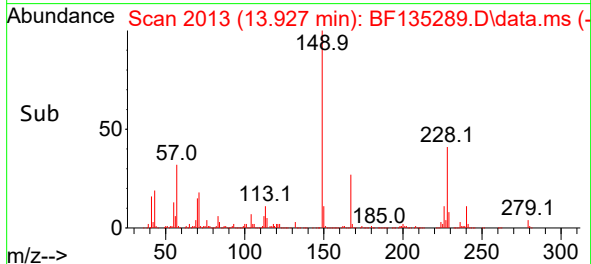
Instrument :
BNA_F
ClientSampleId :
72-11930



Tgt Ion:228 Resp: 60534
Ion Ratio Lower Upper
228 100
226 27.0 21.7 32.5
229 20.9 15.8 23.8

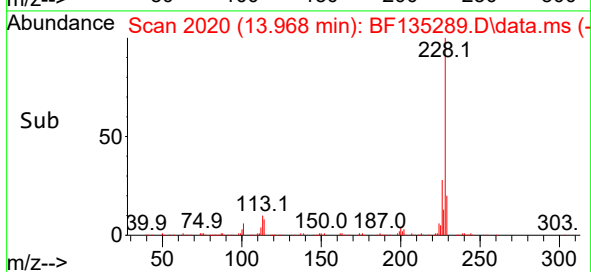
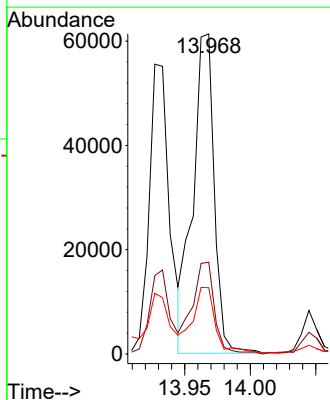
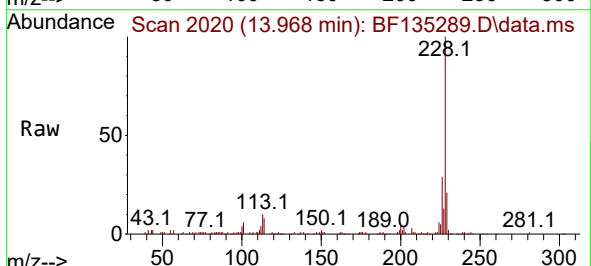
Manual Integrations
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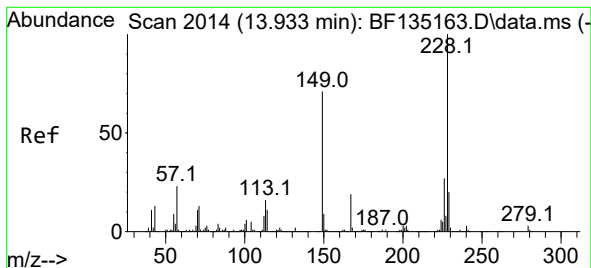
Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023



#83
Chrysene
Concen: 5.173 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF135289.D
Acq: 15 Sep 2023 20:26

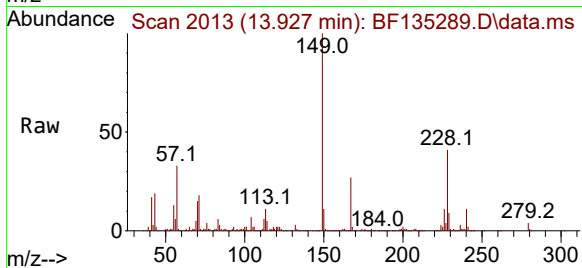
Tgt Ion:228 Resp: 69418
Ion Ratio Lower Upper
228 100
226 28.7 24.3 36.5
229 20.7 16.0 24.0





#84
Bis(2-ethylhexyl)phthalate
Concen: 15.414 ng
RT: 13.927 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF135289.D
Acq: 15 Sep 2023 20:26

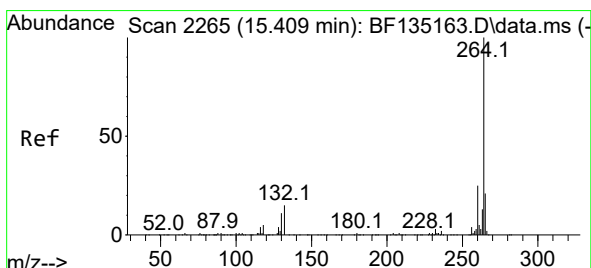
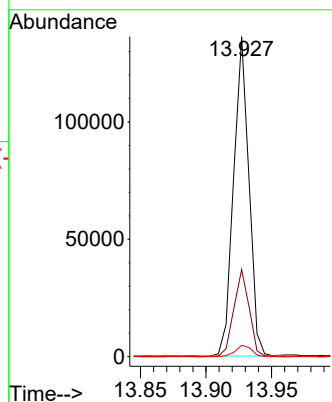
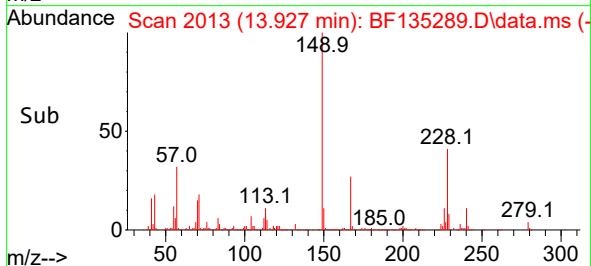
Instrument :
BNA_F
ClientSampleId :
72-11930



Tgt Ion:149 Resp: 11083
Ion Ratio Lower Upper
149 100
167 27.3 21.9 32.9
279 3.5 3.3 4.9

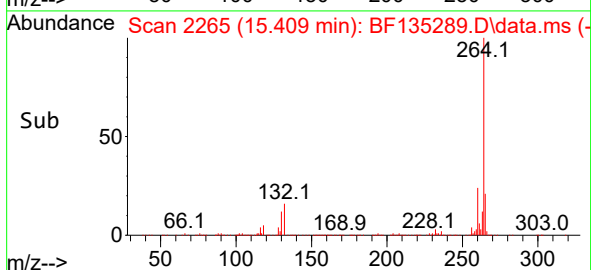
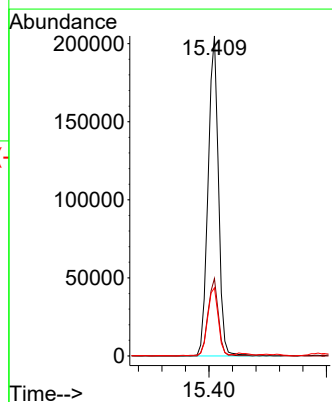
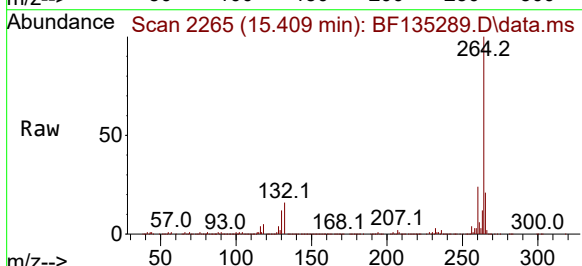
Manual Integrations
APPROVED

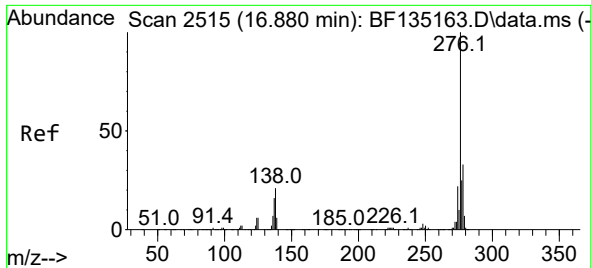
Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.409 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF135289.D
Acq: 15 Sep 2023 20:26

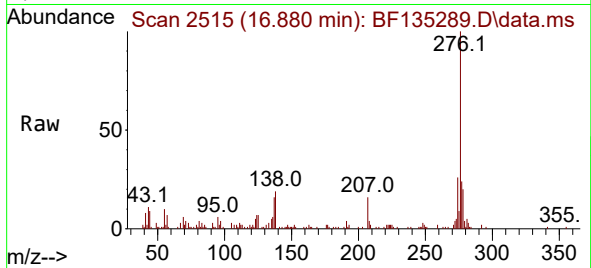
Tgt Ion:264 Resp: 252234
Ion Ratio Lower Upper
264 100
260 24.2 19.8 29.6
265 21.3 17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.041 ng
RT: 16.880 min Scan# 2115
Delta R.T. 0.000 min
Lab File: BF135289.D
Acq: 15 Sep 2023 20:26

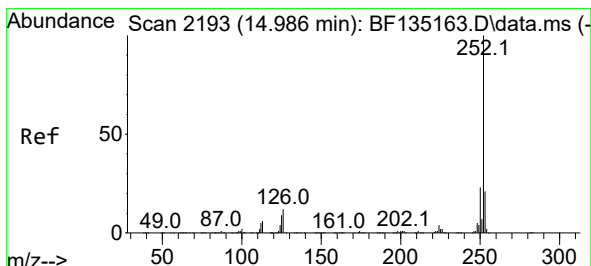
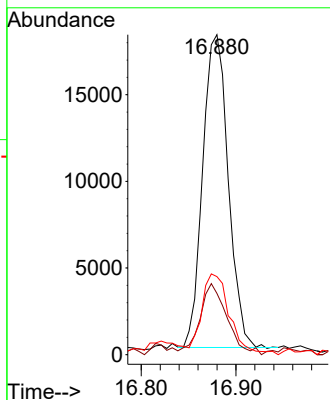
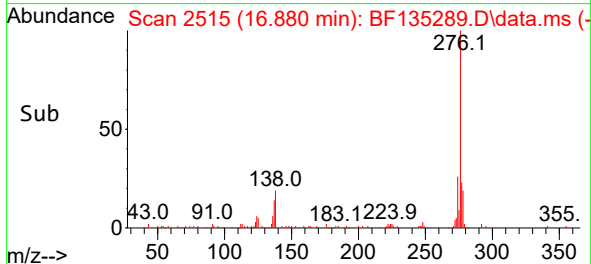
Instrument :
BNA_F
ClientSampleId :
72-11930



Tgt Ion:276 Resp: 3375
Ion Ratio Lower Upper
276 100
138 24.0 19.2 28.8
277 28.1 19.7 29.5

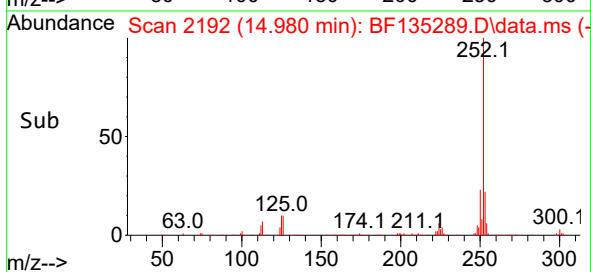
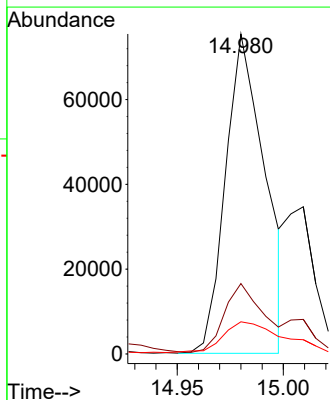
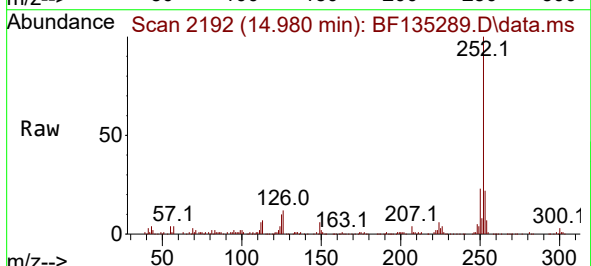
Manual Integrations
APPROVED

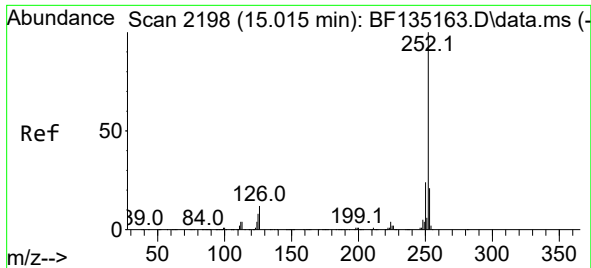
Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023



#88
Benzo(b)fluoranthene
Concen: 7.131 ng m
RT: 14.980 min Scan# 2192
Delta R.T. -0.006 min
Lab File: BF135289.D
Acq: 15 Sep 2023 20:26

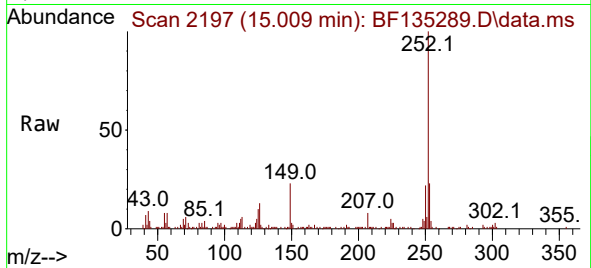
Tgt Ion:252 Resp: 97375
Ion Ratio Lower Upper
252 100
253 22.0 17.2 25.8
125 10.0 7.1 10.7





#89
Benzo(k)fluoranthene
Concen: 2.461 ng m
RT: 15.009 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF135289.D
Acq: 15 Sep 2023 20:26

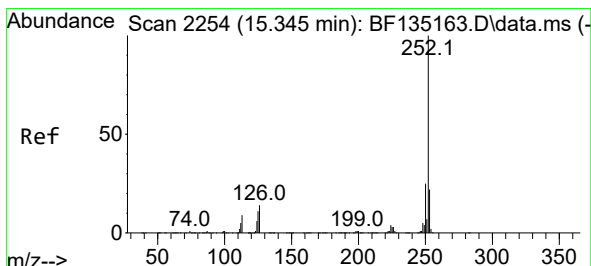
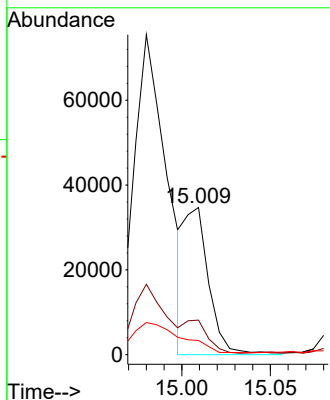
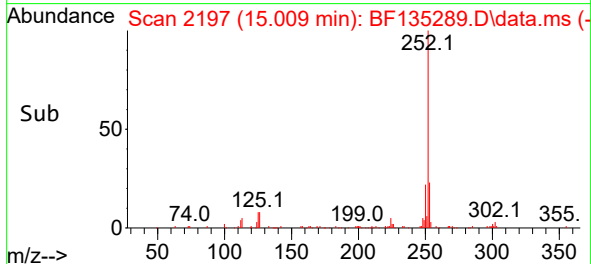
Instrument :
BNA_F
ClientSampleId :
72-11930



Tgt Ion:252 Resp: 33198
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.0
125 9.7 7.2 10.8

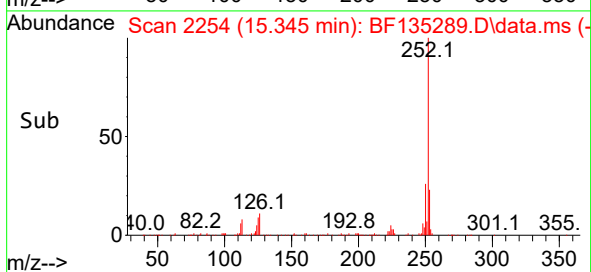
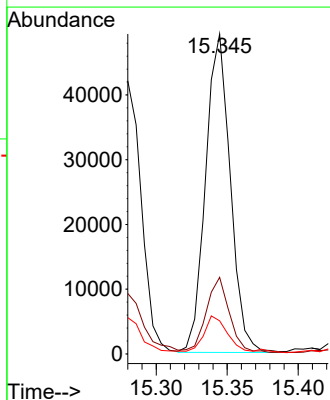
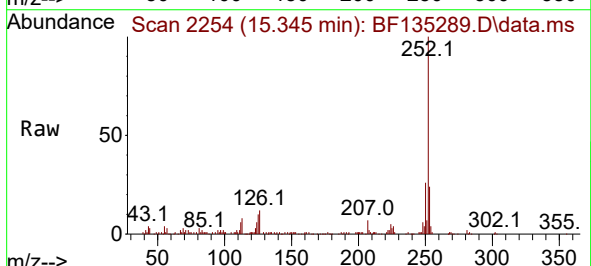
Manual Integrations
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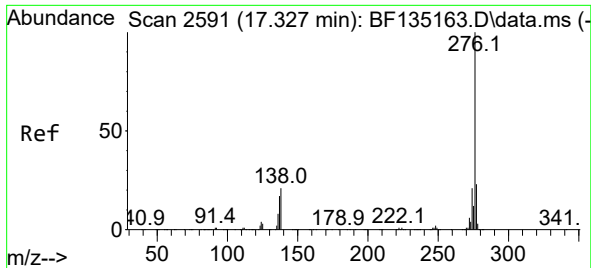
Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023



#90
Benzo(a)pyrene
Concen: 4.573 ng
RT: 15.345 min Scan# 2254
Delta R.T. 0.000 min
Lab File: BF135289.D
Acq: 15 Sep 2023 20:26

Tgt Ion:252 Resp: 59547
Ion Ratio Lower Upper
252 100
253 23.9 17.5 26.3
125 10.3 9.2 13.8





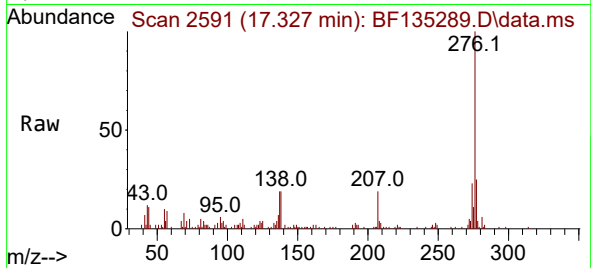
#92
 Benzo(g,h,i)perylene
 Concen: 2.345 ng
 RT: 17.327 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF135289.D
 Acq: 15 Sep 2023 20:26

Instrument :

BNA_F

ClientSampleId :

72-11930



Tgt Ion:	276	Resp:	3314
Ion Ratio	Lower	Upper	
276	100		
277	24.5	18.8	28.2
138	19.4	16.9	25.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/18/2023

Supervised By :mohammad ahmed 09/19/2023

