

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101723\
 Data File : BF135829.D
 Acq On : 18 Oct 2023 00:06
 Operator : CG\JU
 Sample : 04657-05DL 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 V-2(0-2IN)DL

Quant Time: Oct 18 02:04:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/18/2023
 Supervised By :mohammad ahmed 10/18/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	81056	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	295166	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	138939	20.000	ng	-0.01
64) Phenanthrene-d10	11.275	188	255991	20.000	ng	0.00
76) Chrysene-d12	13.939	240	170989	20.000	ng	-0.01
86) Perylene-d12	15.421	264	150266	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	79426	15.754	ng	0.01
7) Phenol-d6	6.404	99	101778	16.180	ng	0.00
23) Nitrobenzene-d5	7.310	82	60788	11.327	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	22573	16.931	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	115648	13.014	ng	-0.01
79) Terphenyl-d14	12.869	244	92038	9.968	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.810	154	18467	2.427	ng	98
58) Fluorene	10.328	166	21664	2.411	ng	98
71) Phenanthrene	11.298	178	356236	29.049	ng	100
72) Anthracene	11.351	178	75695	5.957	ng	99
73) Carbazole	11.516	167	48876	4.124	ng	98
75) Fluoranthene	12.498	202	599285	44.031	ng	98
78) Pyrene	12.727	202	545626	40.156	ng	99
81) Benzo(a)anthracene	13.933	228	247617	22.047	ng	98
83) Chrysene	13.969	228	234166	21.526	ng	97
84) Bis(2-ethylhexyl)phtha...	13.910	149	39072	4.828	ng	# 99
87) Indeno(1,2,3-cd)pyrene	16.927	276	104590	12.774	ng	# 93
88) Benzo(b)fluoranthene	14.992	252	258772m	30.770	ng	
89) Benzo(k)fluoranthene	15.016	252	76869m	9.415	ng	
90) Benzo(a)pyrene	15.363	252	174877	22.114	ng	99
91) Dibenzo(a,h)anthracene	16.927	278	24045	3.582	ng	# 81
92) Benzo(g,h,i)perylene	17.392	276	97543	14.148	ng	93

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

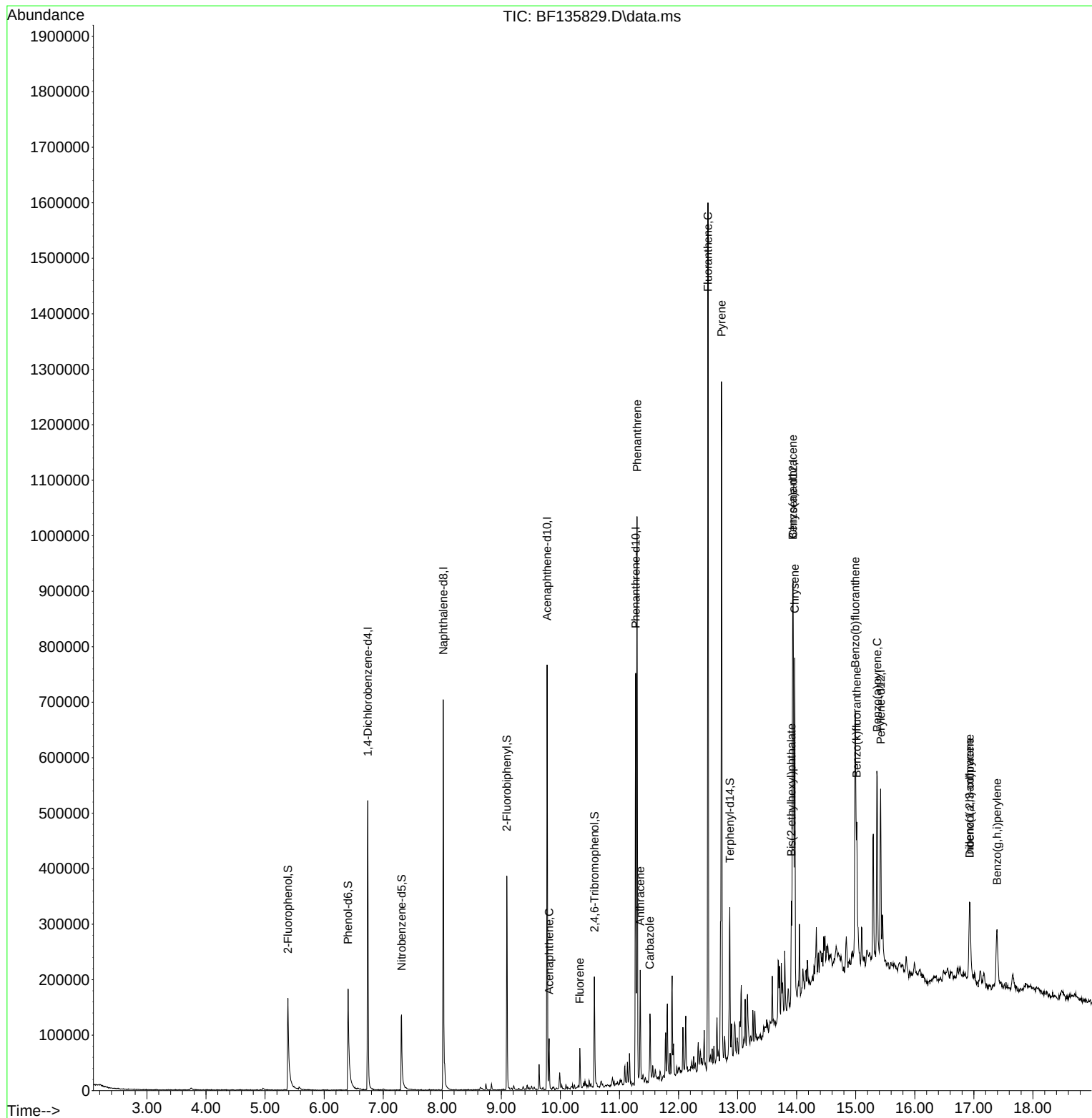
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101723\
Data File : BF135829.D
Acq On : 18 Oct 2023 00:06
Operator : CG\JU
Sample : 04657-05DL 5X
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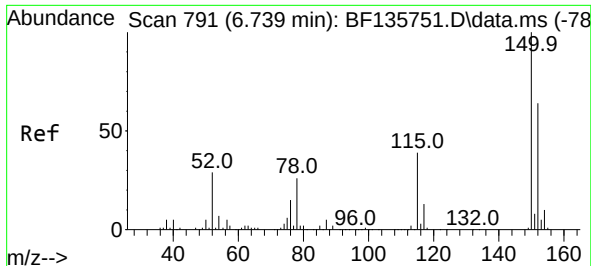
Instrument :
BNA_F
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V-2(0-2IN)DL

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
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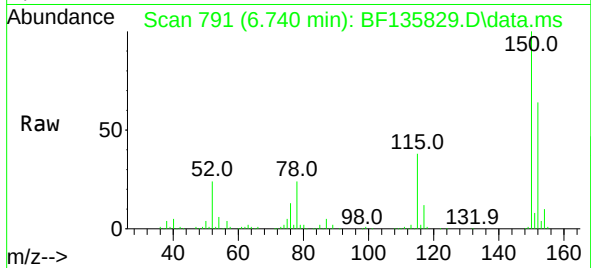
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF135829.D
Acq: 18 Oct 2023 00:06

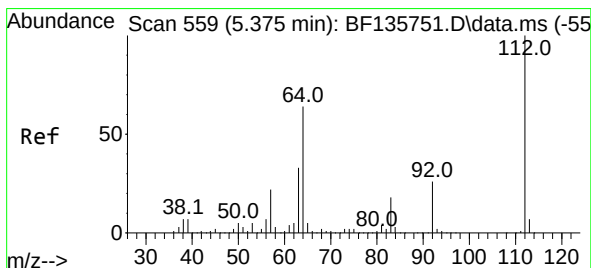
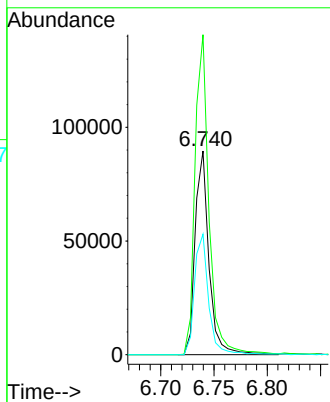
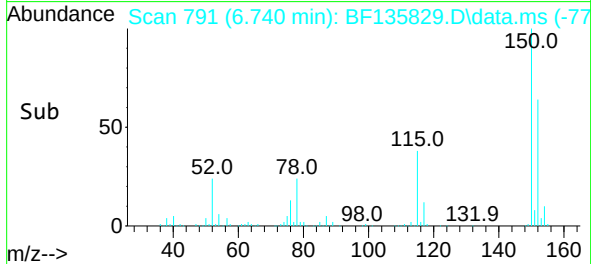
Instrument :
BNA_F
ClientSampleId :
V-2(0-2IN)DL



Tgt Ion:152 Resp: 81050
Ion Ratio Lower Upper
152 100
150 157.1 124.5 186.7
115 59.1 49.0 73.4

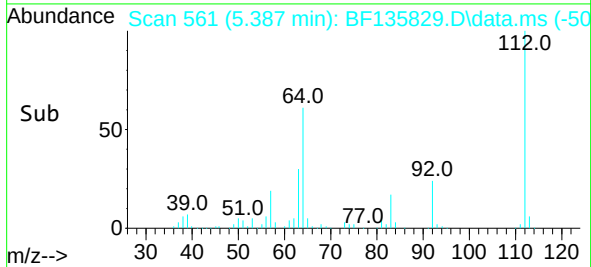
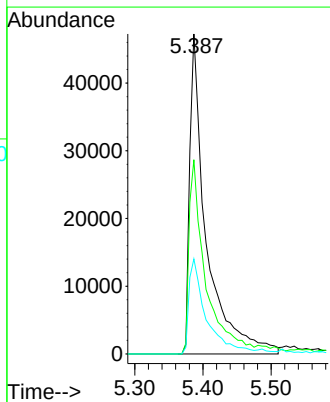
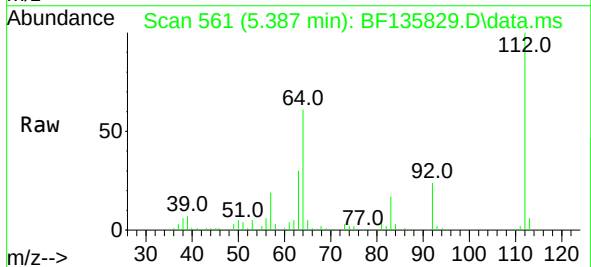
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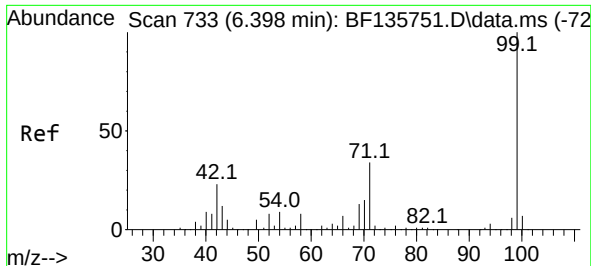
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023



#5
2-Fluorophenol
Concen: 15.754 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.012 min
Lab File: BF135829.D
Acq: 18 Oct 2023 00:06

Tgt Ion:112 Resp: 79426
Ion Ratio Lower Upper
112 100
64 60.7 51.2 76.8
63 29.7 26.1 39.1





#7

Phenol-d6

Concen: 16.180 ng

RT: 6.404 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF135829.D

Acq: 18 Oct 2023 00:06

Instrument :

BNA_F

ClientSampleId :

V-2(0-2IN)DL

Tgt Ion: 99 Resp: 101778

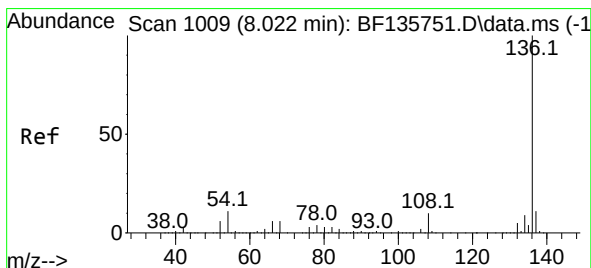
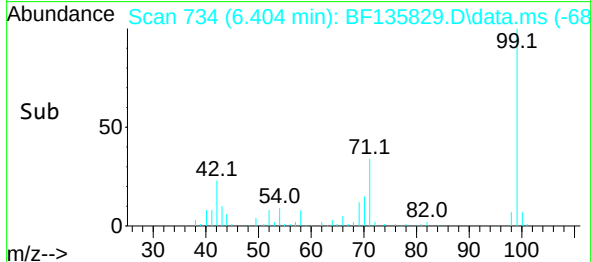
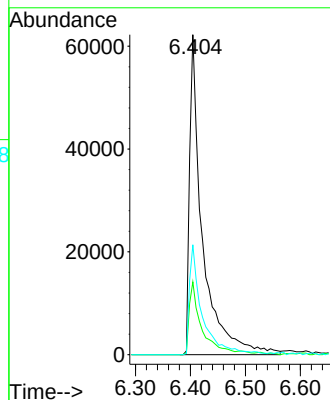
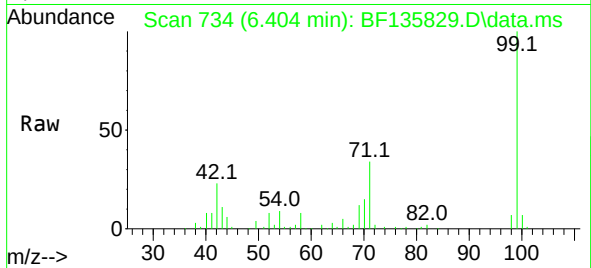
Ion	Ratio	Lower	Upper
99	100		
42	22.8	18.4	27.6
71	34.4	27.2	40.8

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.016 min Scan# 1008

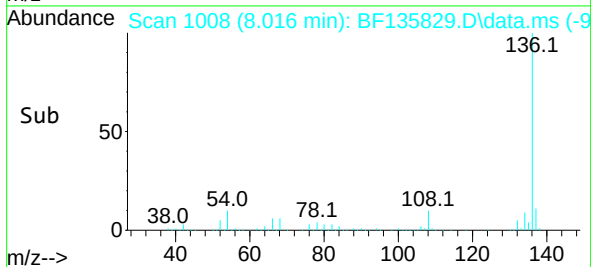
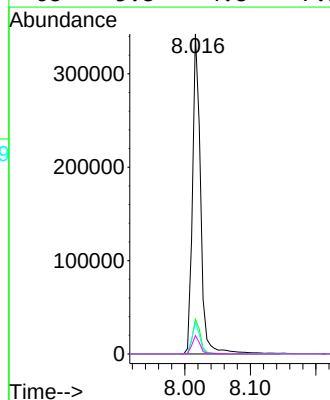
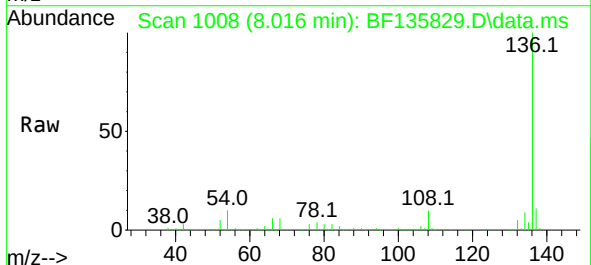
Delta R.T. -0.006 min

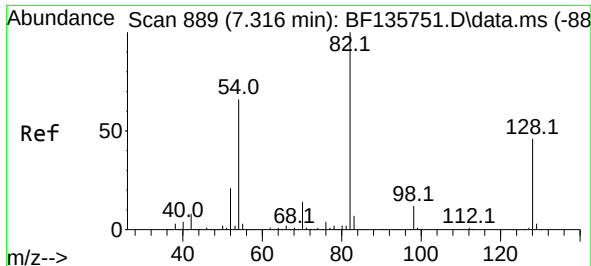
Lab File: BF135829.D

Acq: 18 Oct 2023 00:06

Tgt Ion:136 Resp: 295166

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	9.9	8.5	12.7
68	5.8	4.8	7.2





#23

Nitrobenzene-d5

Concen: 11.327 ng

RT: 7.310 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF135829.D

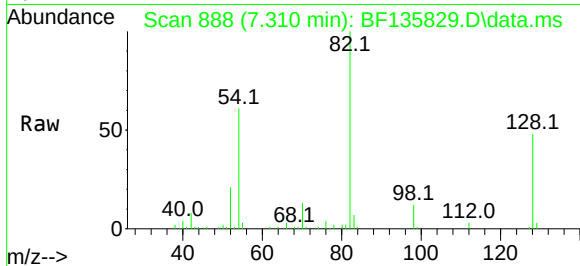
Acq: 18 Oct 2023 00:06

Instrument :

BNA_F

ClientSampleId :

V-2(0-2IN)DL



Tgt Ion: 82 Resp: 60788

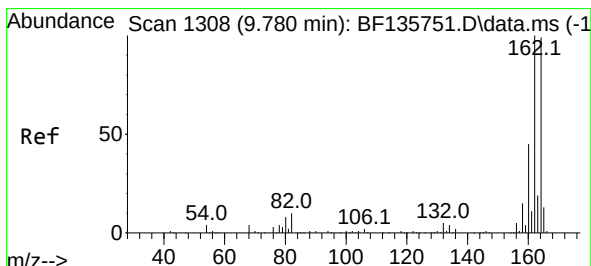
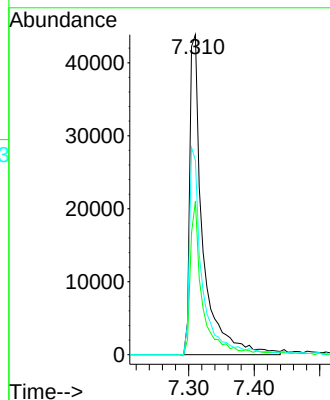
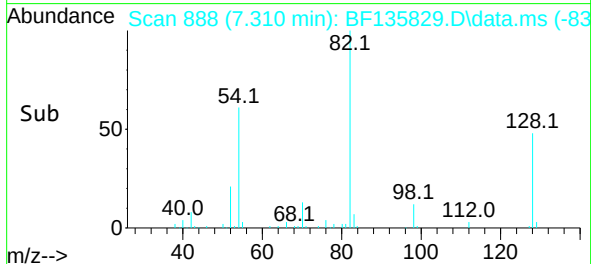
Ion	Ratio	Lower	Upper
82	100		
128	48.0	37.0	55.6
54	60.8	52.8	79.2

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.775 min Scan# 1307

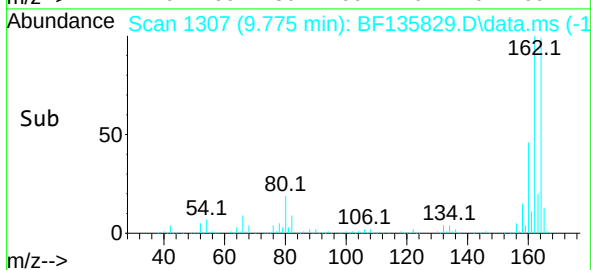
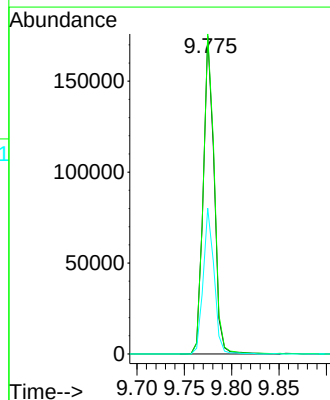
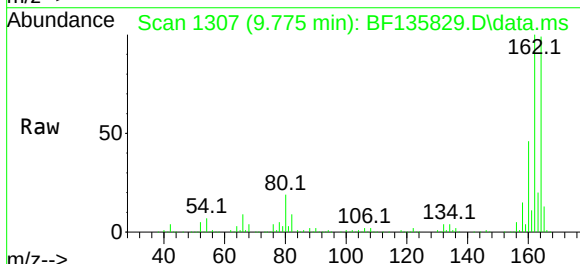
Delta R.T. -0.012 min

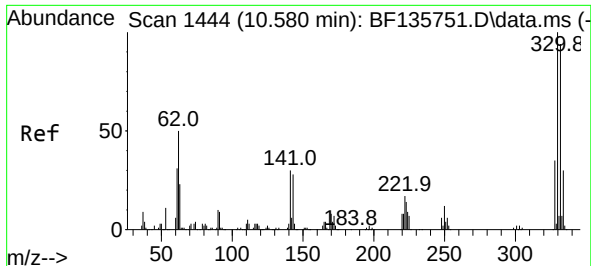
Lab File: BF135829.D

Acq: 18 Oct 2023 00:06

Tgt Ion:164 Resp: 138939

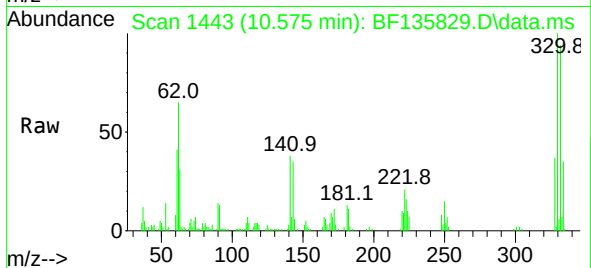
Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.8	121.2
160	45.8	36.6	54.8





#42
2,4,6-Tribromophenol
Concen: 16.931 ng
RT: 10.575 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF135829.D
Acq: 18 Oct 2023 00:06

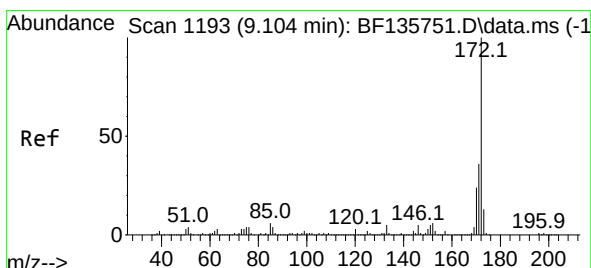
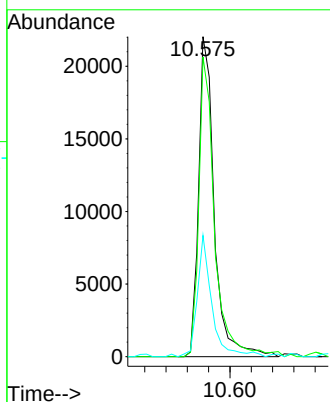
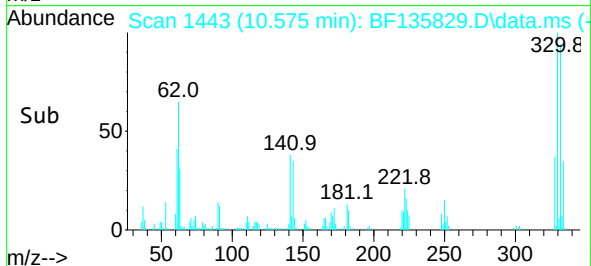
Instrument :
BNA_F
ClientSampleId :
V-2(0-2IN)DL



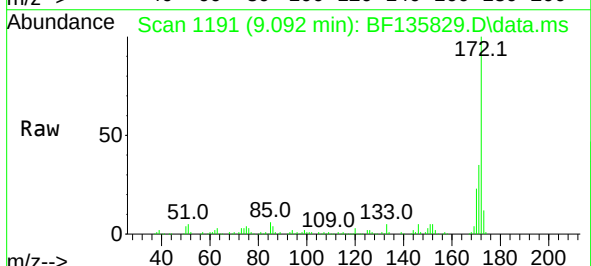
Tgt Ion: 330 Resp: 2257
Ion Ratio Lower Upper
330 100
332 94.6 75.0 112.4
141 35.1 25.8 38.6

Manual Integrations
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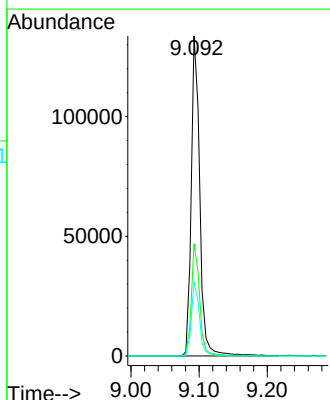
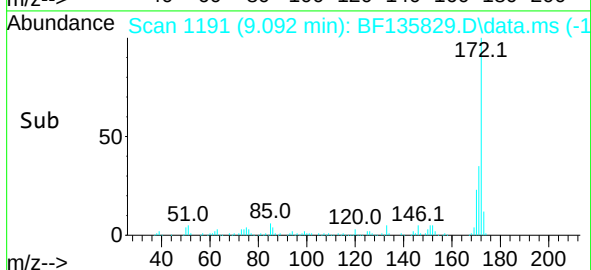
Reviewed By : Yogesh Patel 10/18/2023
Supervised By : mohammad ahmed 10/18/2023

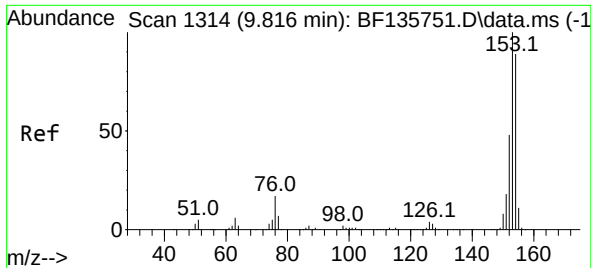


#45
2-Fluorobiphenyl
Concen: 13.014 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.012 min
Lab File: BF135829.D
Acq: 18 Oct 2023 00:06



Tgt Ion: 172 Resp: 115648
Ion Ratio Lower Upper
172 100
171 35.0 28.4 42.6
170 23.0 18.8 28.2





#52
Acenaphthene
Concen: 2.427 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135829.D
Acq: 18 Oct 2023 00:06

Instrument :

BNA_F

ClientSampleId :

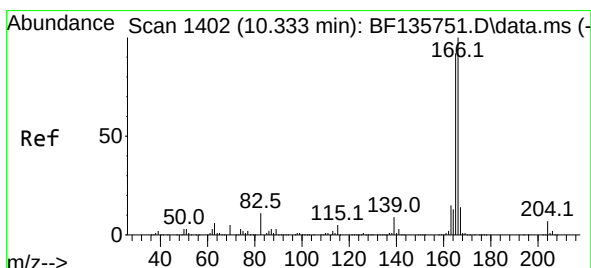
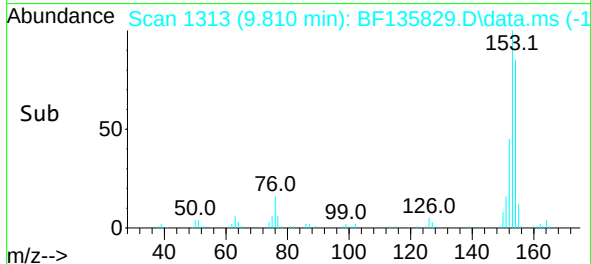
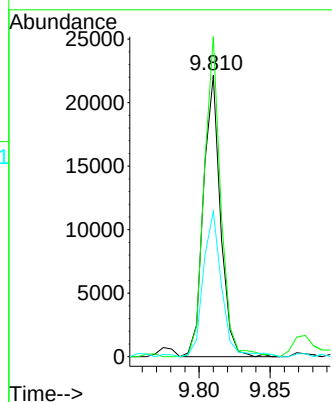
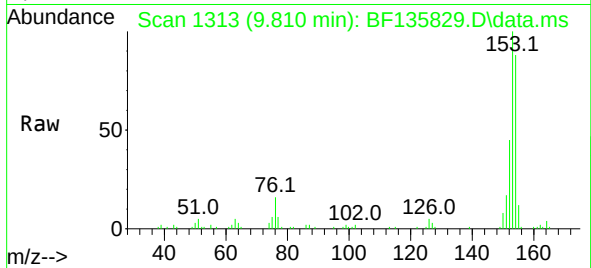
V-2(0-2IN)DL

Tgt Ion:154 Resp: 1846
Ion Ratio Lower Upper
154 100
153 113.8 90.1 135.1
152 51.6 43.1 64.7

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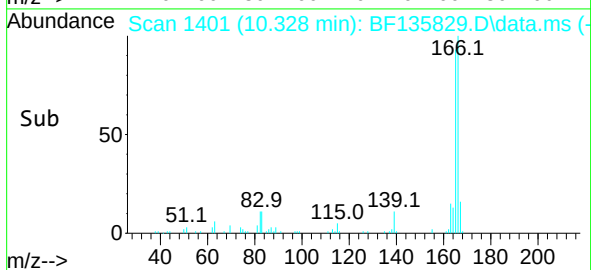
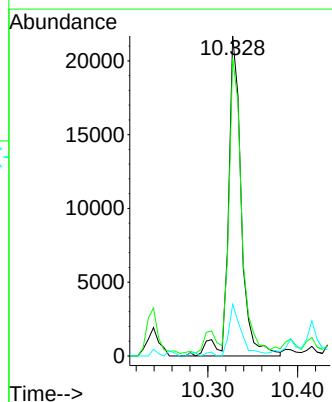
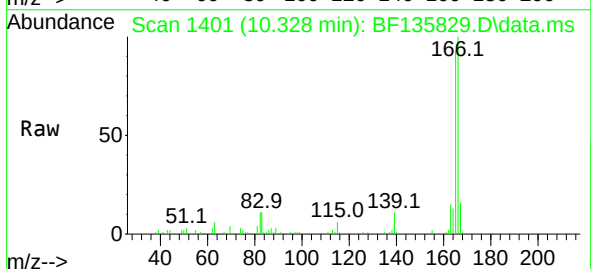
APPROVED

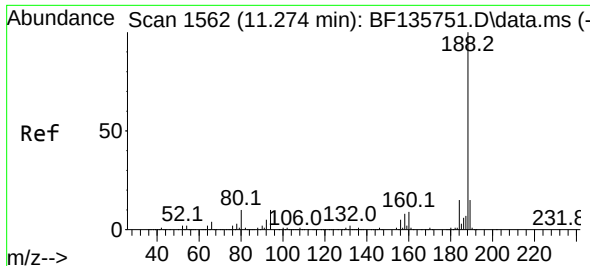
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023



#58
Fluorene
Concen: 2.411 ng
RT: 10.328 min Scan# 1401
Delta R.T. -0.012 min
Lab File: BF135829.D
Acq: 18 Oct 2023 00:06

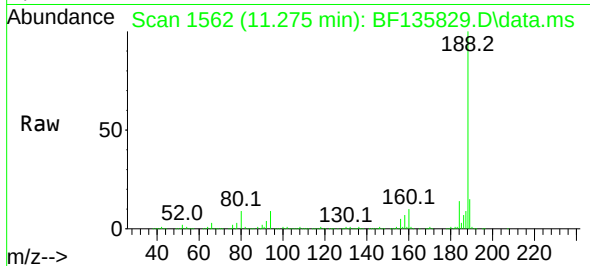
Tgt Ion:166 Resp: 21664
Ion Ratio Lower Upper
166 100
165 93.0 73.4 110.0
167 16.2 11.0 16.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.275 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF135829.D
Acq: 18 Oct 2023 00:06

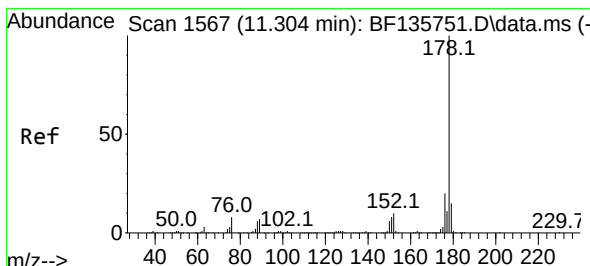
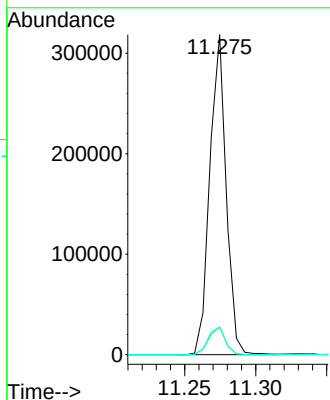
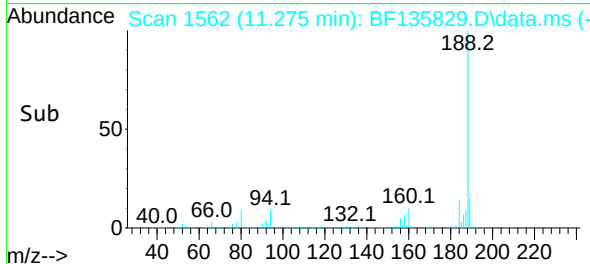
Instrument :
BNA_F
ClientSampleId :
V-2(0-2IN)DL



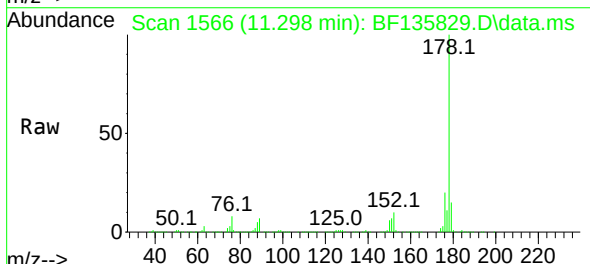
Tgt Ion:188 Resp: 25599
Ion Ratio Lower Upper
188 100
94 8.6 8.0 12.0
80 8.7 8.3 12.5

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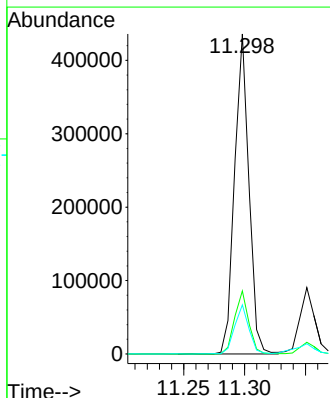
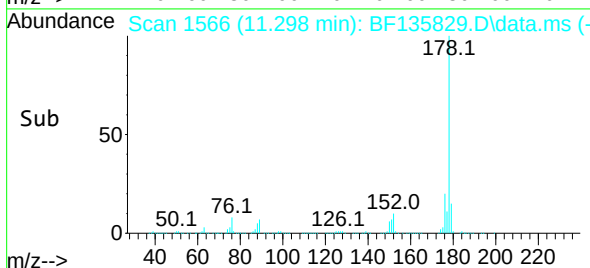
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023

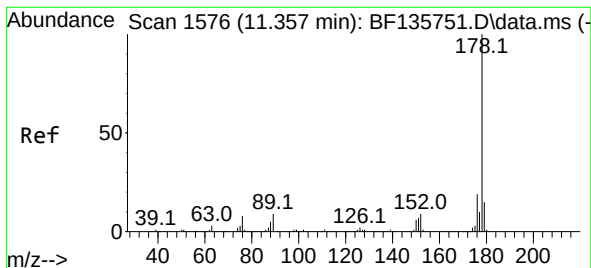


#71
Phenanthrene
Concen: 29.049 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF135829.D
Acq: 18 Oct 2023 00:06



Tgt Ion:178 Resp: 356236
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 15.4 12.2 18.4





#72

Anthracene

Concen: 5.957 ng

RT: 11.351 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135829.D

Acq: 18 Oct 2023 00:06

Instrument :

BNA_F

ClientSampleId :

V-2(0-2IN)DL

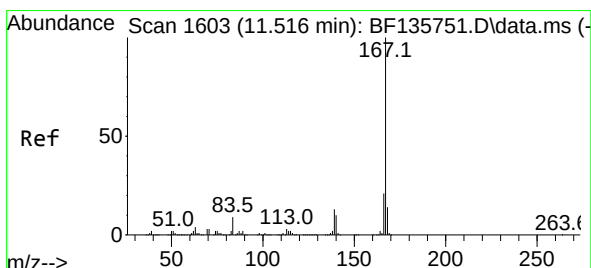
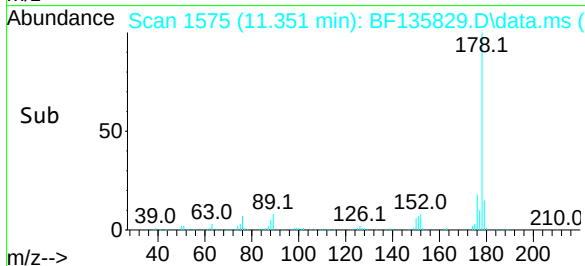
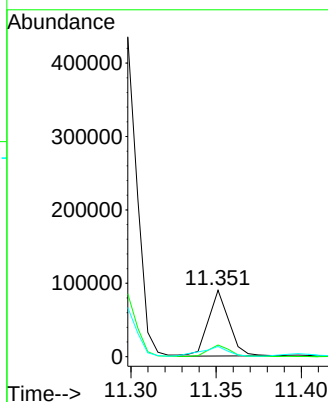
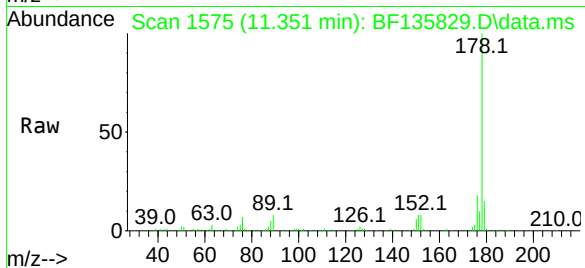
Tgt Ion:178	Resp:	7569
Ion Ratio	Lower	Upper
178	100	
176	17.7	15.1 22.7
179	15.4	12.3 18.5

Manual Integrations

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Supervised By :mohammad ahmed 10/18/2023



#73

Carbazole

Concen: 4.124 ng

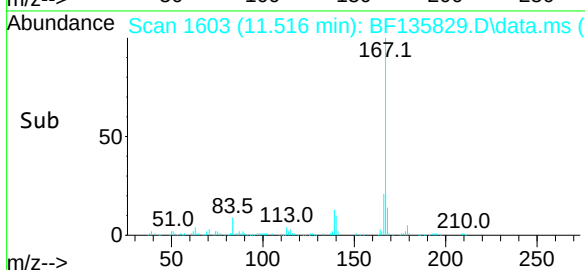
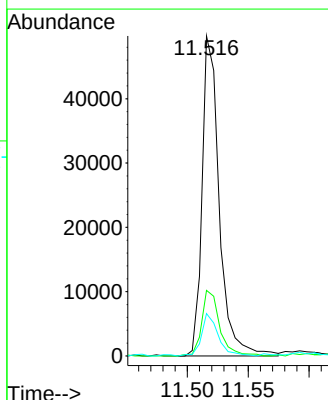
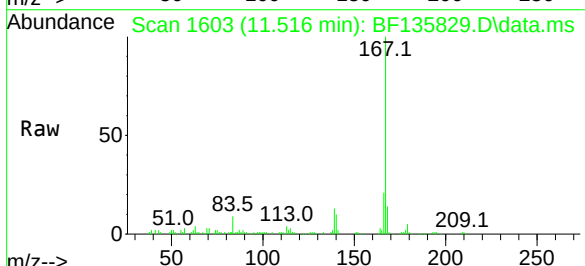
RT: 11.516 min Scan# 1603

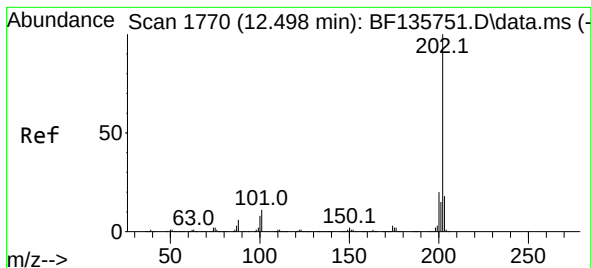
Delta R.T. -0.006 min

Lab File: BF135829.D

Acq: 18 Oct 2023 00:06

Tgt Ion:167	Resp:	48876
Ion Ratio	Lower	Upper
167	100	
166	20.5	17.1 25.7
139	13.2	10.2 15.4





#75

Fluoranthene

Concen: 44.031 ng

RT: 12.498 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135829.D

Acq: 18 Oct 2023 00:06

Instrument :

BNA_F

ClientSampleId :

V-2(0-2IN)DL

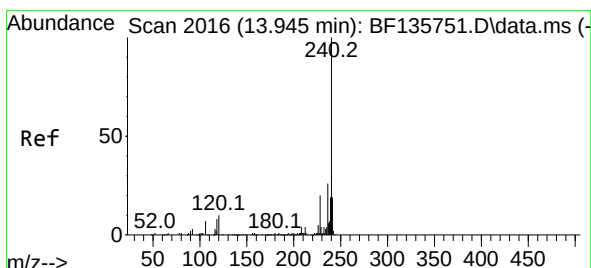
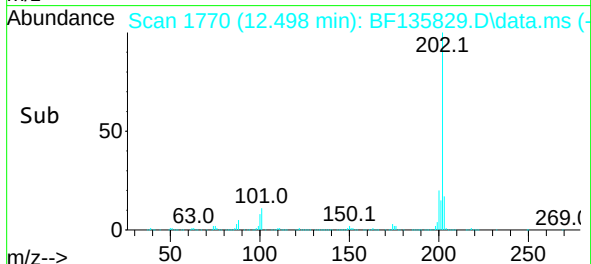
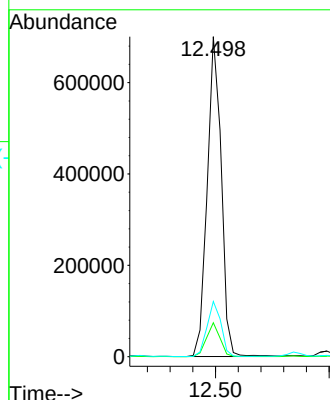
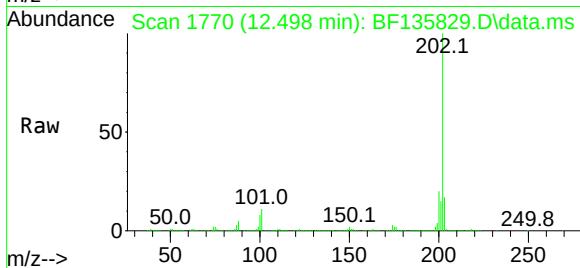
Tgt Ion:	202	Resp:	59928
Ion Ratio	Lower	Upper	
202	100		
101	10.6	0.0	31.5
203	17.3	0.0	38.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/18/2023

Supervised By :mohammad ahmed 10/18/2023



#76

Chrysene-d12

Concen: 20.000 ng

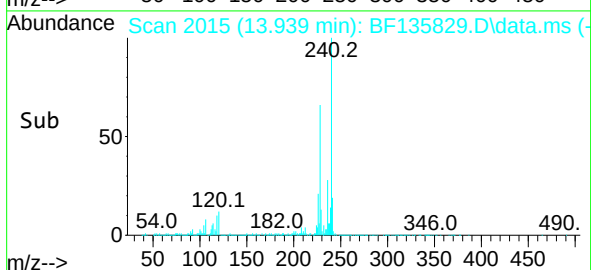
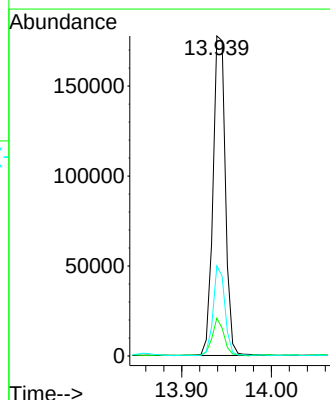
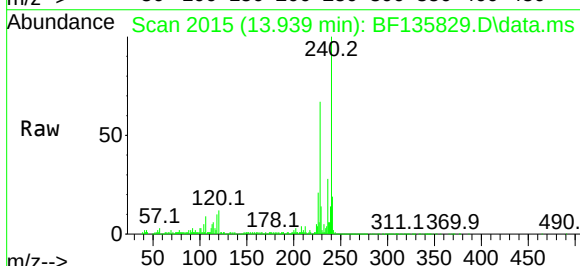
RT: 13.939 min Scan# 2015

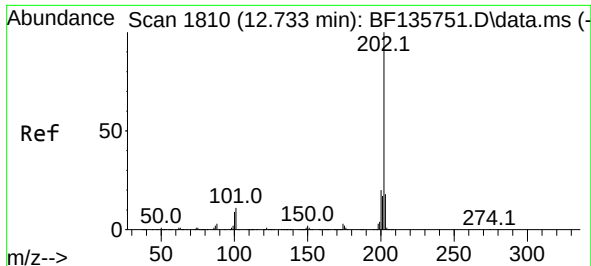
Delta R.T. -0.012 min

Lab File: BF135829.D

Acq: 18 Oct 2023 00:06

Tgt Ion:	240	Resp:	170989
Ion Ratio	Lower	Upper	
240	100		
120	11.8	8.2	12.2
236	28.2	21.2	31.8





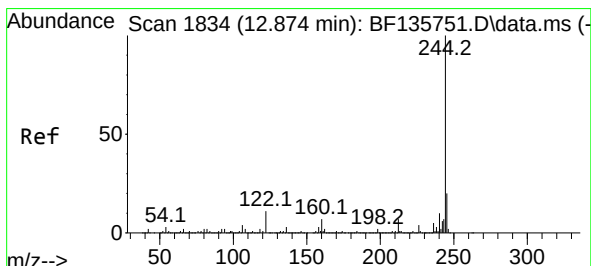
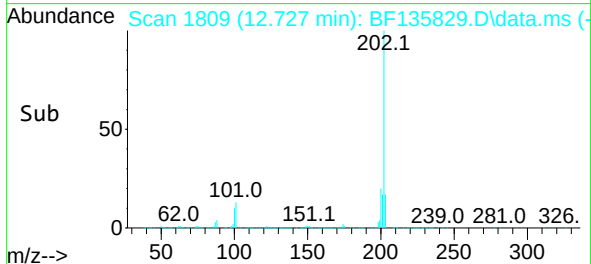
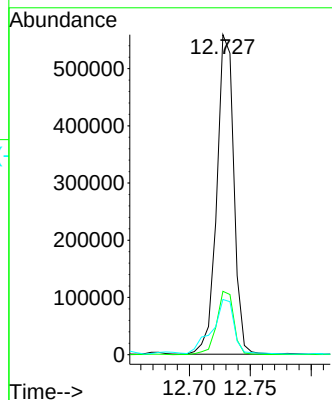
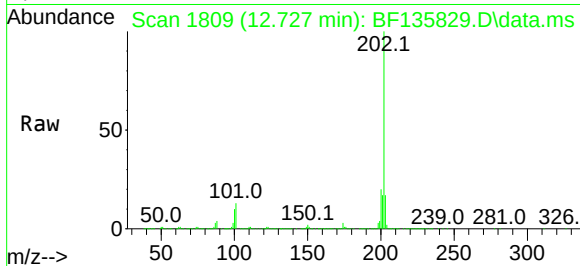
#78
Pyrene
Concen: 40.156 ng
RT: 12.727 min Scan# 1809
Delta R.T. -0.006 min
Lab File: BF135829.D
Acq: 18 Oct 2023 00:06

Instrument :
BNA_F
ClientSampleId :
V-2(0-2IN)DL

Tgt Ion:202 Resp: 545620
Ion Ratio Lower Upper
202 100
200 19.8 16.1 24.1
203 17.3 14.2 21.2

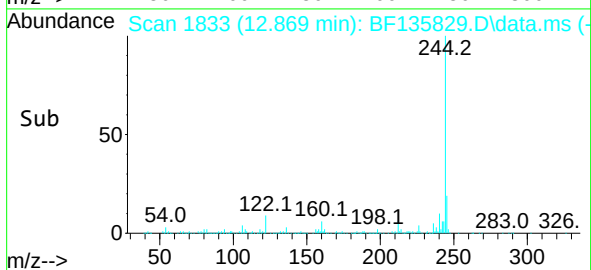
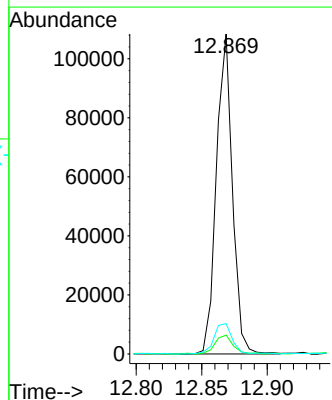
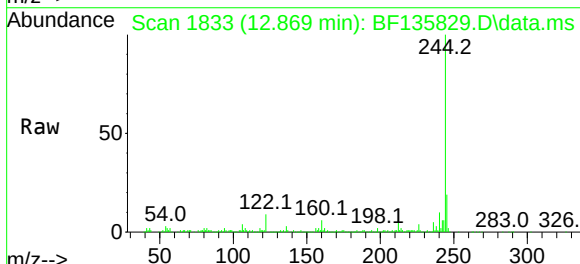
Manual Integrations
APPROVED

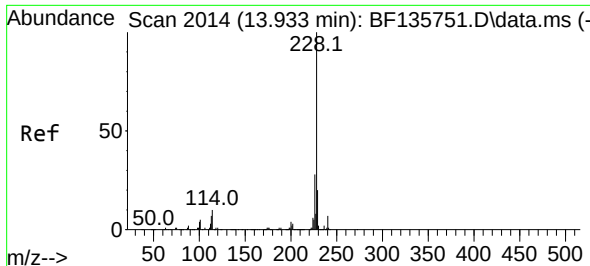
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023



#79
Terphenyl-d14
Concen: 9.968 ng
RT: 12.869 min Scan# 1833
Delta R.T. -0.012 min
Lab File: BF135829.D
Acq: 18 Oct 2023 00:06

Tgt Ion:244 Resp: 92038
Ion Ratio Lower Upper
244 100
212 5.9 5.6 8.4
122 9.5 9.0 13.6





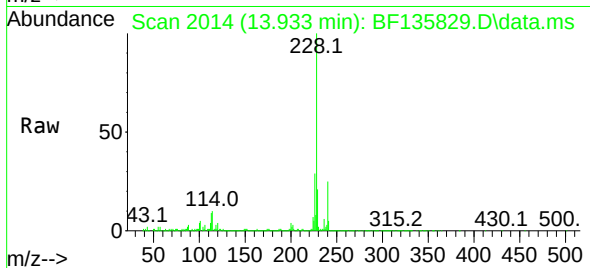
#81
Benzo(a)anthracene
Concen: 22.047 ng
RT: 13.933 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF135829.D
Acq: 18 Oct 2023 00:06

Instrument :

BNA_F

ClientSampleId :

V-2(0-2IN)DL



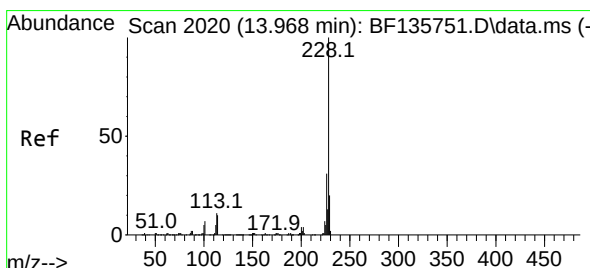
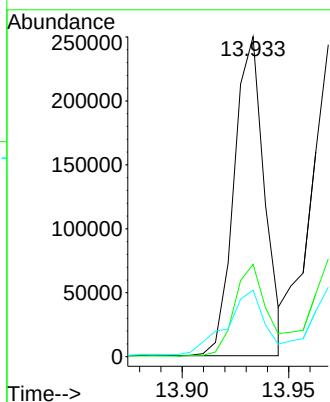
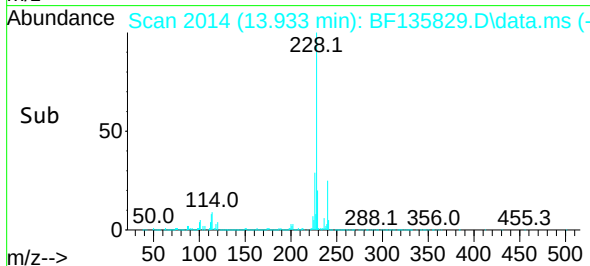
Tgt Ion:228 Resp: 24761
Ion Ratio Lower Upper
228 100
226 28.8 22.2 33.2
229 20.8 16.1 24.1

Manual Integrations

APPROVED

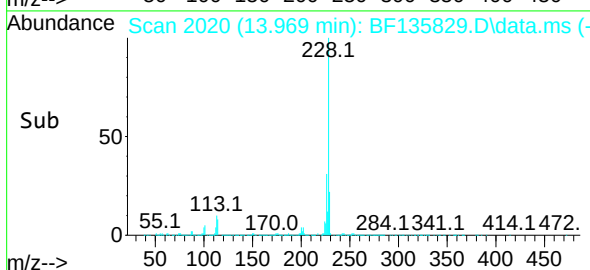
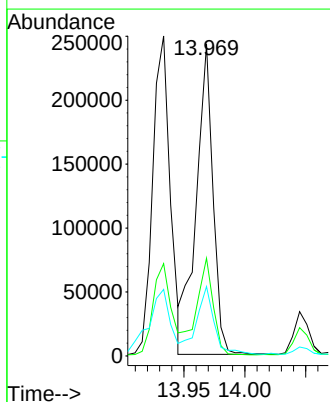
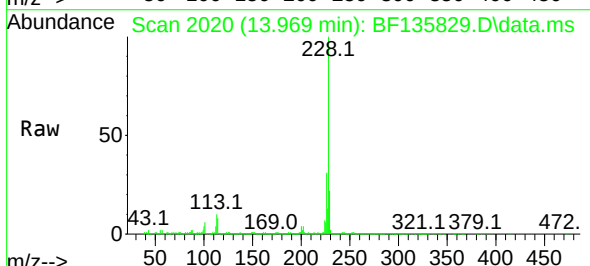
Reviewed By :Yogesh Patel 10/18/2023

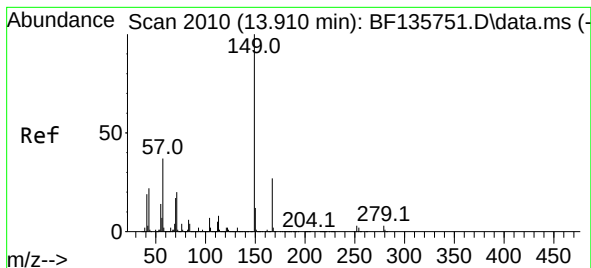
Supervised By :mohammad ahmed 10/18/2023



#83
Chrysene
Concen: 21.526 ng
RT: 13.969 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF135829.D
Acq: 18 Oct 2023 00:06

Tgt Ion:228 Resp: 234166
Ion Ratio Lower Upper
228 100
226 31.3 24.4 36.6
229 22.3 15.7 23.5





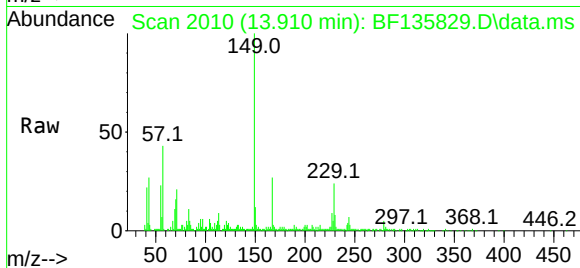
#84
Bis(2-ethylhexyl)phthalate
Concen: 4.828 ng
RT: 13.910 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF135829.D
Acq: 18 Oct 2023 00:06

Instrument :

BNA_F

ClientSampleId :

V-2(0-2IN)DL



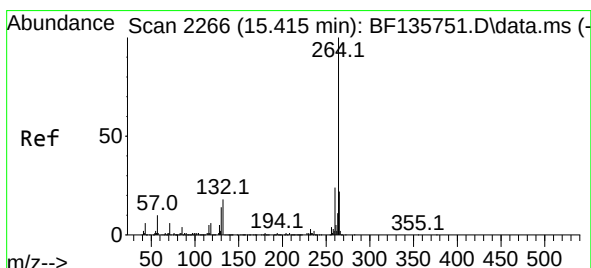
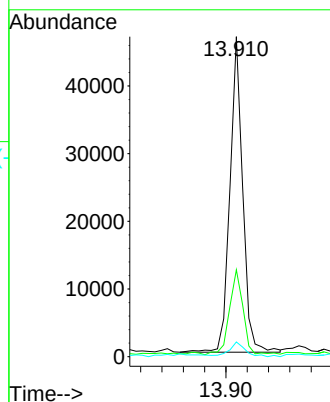
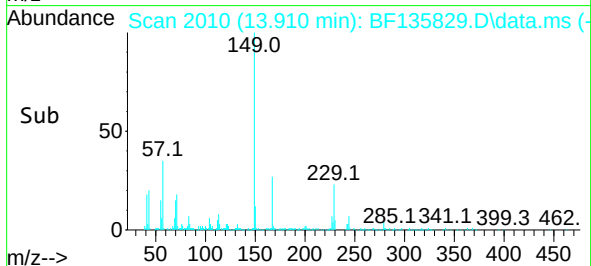
Tgt Ion:149 Resp: 39072
Ion Ratio Lower Upper
149 100
167 27.2 21.3 31.9
279 4.6 2.7 4.1

Manual Integrations

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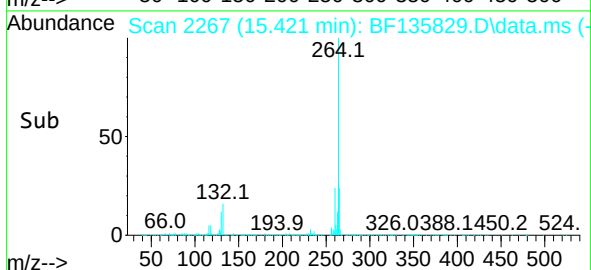
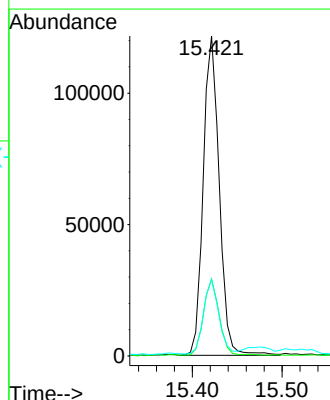
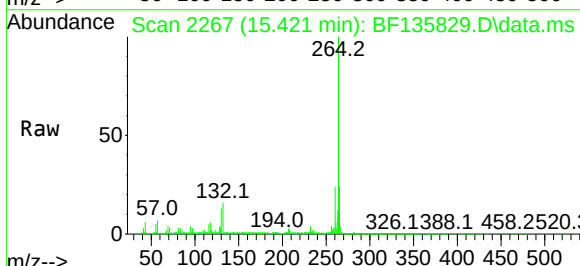
Reviewed By :Yogesh Patel 10/18/2023

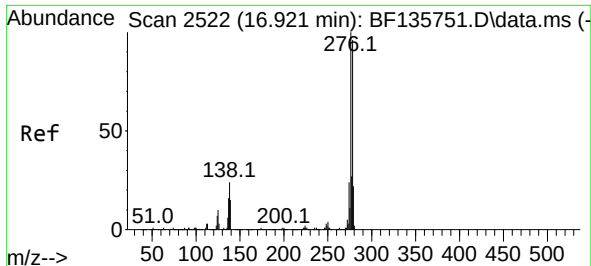
Supervised By :mohammad ahmed 10/18/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2267
Delta R.T. -0.000 min
Lab File: BF135829.D
Acq: 18 Oct 2023 00:06

Tgt Ion:264 Resp: 150266
Ion Ratio Lower Upper
264 100
260 24.1 19.2 28.8
265 23.8 17.4 26.2





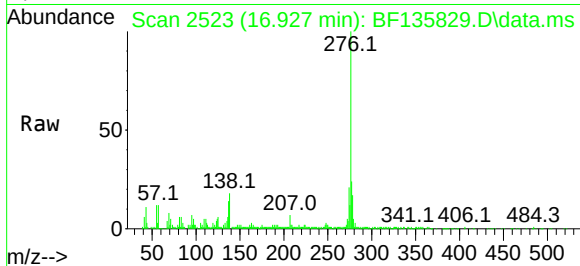
#87
Indeno(1,2,3-cd)pyrene
Concen: 12.774 ng
RT: 16.927 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF135829.D
Acq: 18 Oct 2023 00:06

Instrument :

BNA_F

ClientSampleId :

V-2(0-2IN)DL



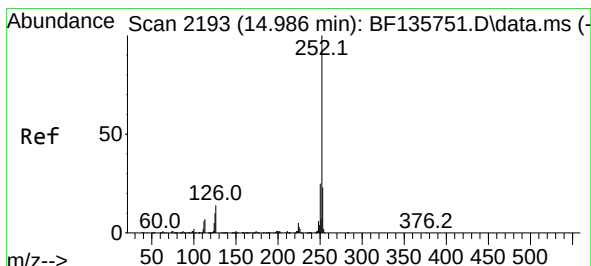
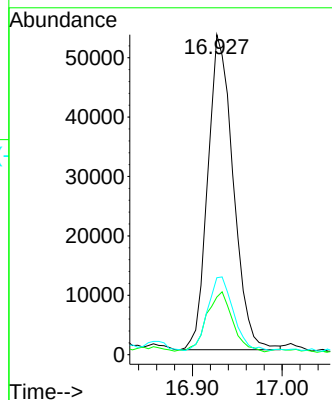
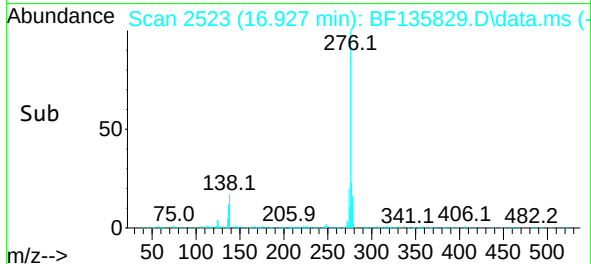
Tgt Ion:276 Resp: 104590
Ion Ratio Lower Upper
276 100
138 19.7 19.8 29.6
277 23.5 20.2 30.4

Manual Integrations

APPROVED

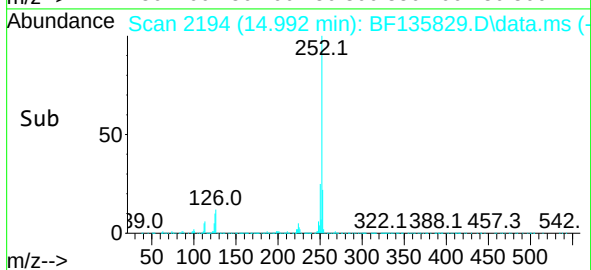
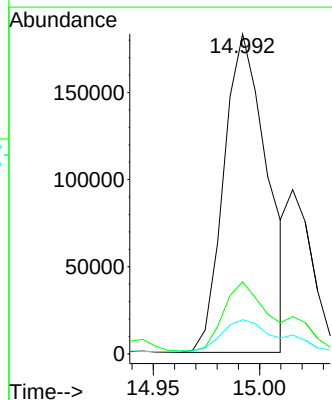
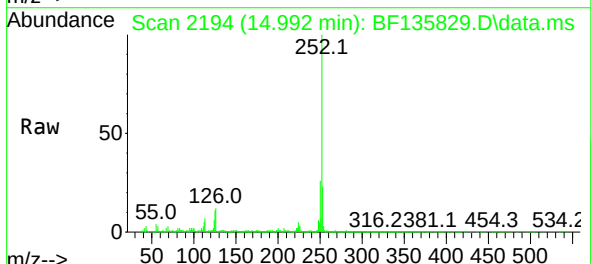
Reviewed By :Yogesh Patel 10/18/2023

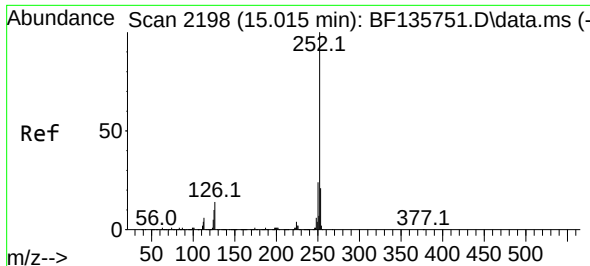
Supervised By :mohammad ahmed 10/18/2023



#88
Benzo(b)fluoranthene
Concen: 30.770 ng m
RT: 14.992 min Scan# 2194
Delta R.T. -0.000 min
Lab File: BF135829.D
Acq: 18 Oct 2023 00:06

Tgt Ion:252 Resp: 258772
Ion Ratio Lower Upper
252 100
253 22.5 18.2 27.2
125 10.7 8.2 12.2





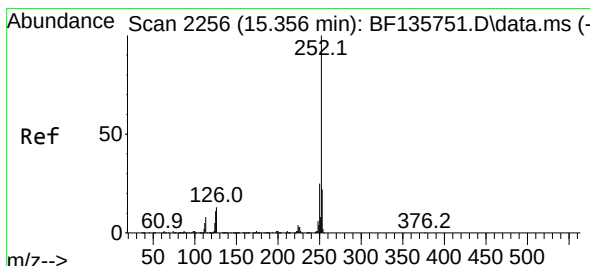
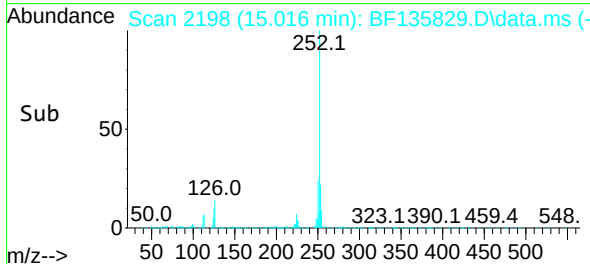
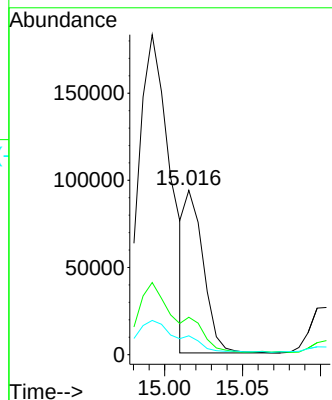
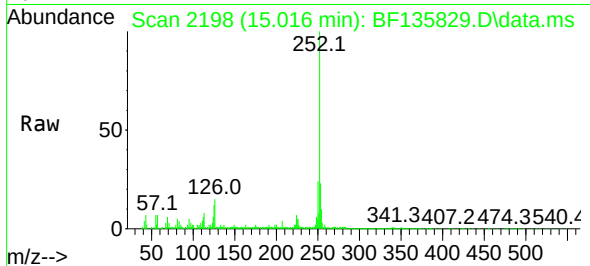
#89
Benzo(k)fluoranthene
Concen: 9.415 ng m
RT: 15.016 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF135829.D
Acq: 18 Oct 2023 00:06

Instrument :
BNA_F
ClientSampleId :
V-2(0-2IN)DL

Tgt Ion:252 Resp: 76869
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.0
125 11.5 8.3 12.5

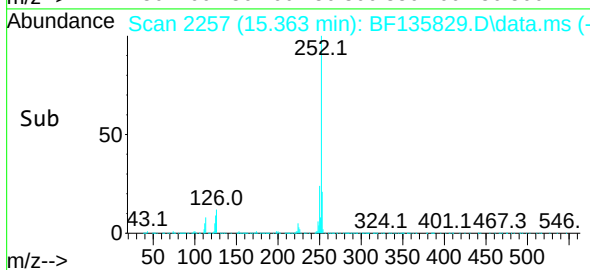
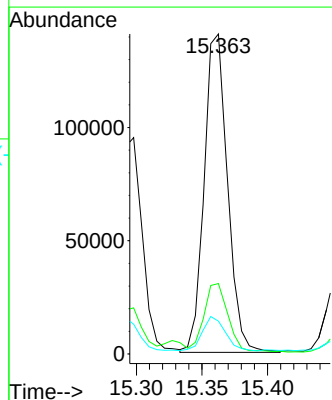
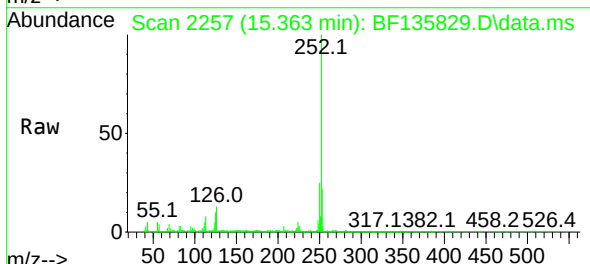
Manual Integrations
APPROVED

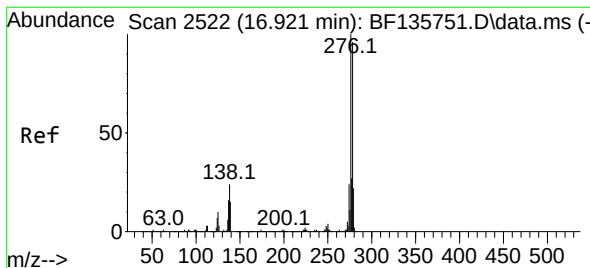
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/18/2023



#90
Benzo(a)pyrene
Concen: 22.114 ng
RT: 15.363 min Scan# 2257
Delta R.T. -0.000 min
Lab File: BF135829.D
Acq: 18 Oct 2023 00:06

Tgt Ion:252 Resp: 174877
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.2
125 10.3 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 3.582 ng

RT: 16.927 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF135829.D

Acq: 18 Oct 2023 00:06

Instrument :

BNF

ClientSampleId :

V-2(0-2IN)DL

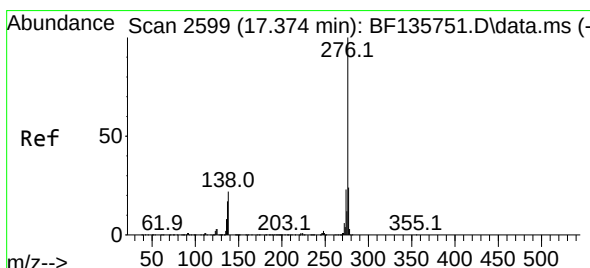
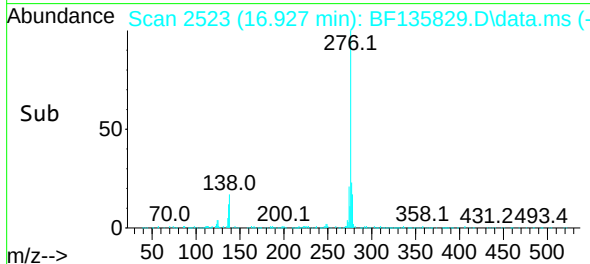
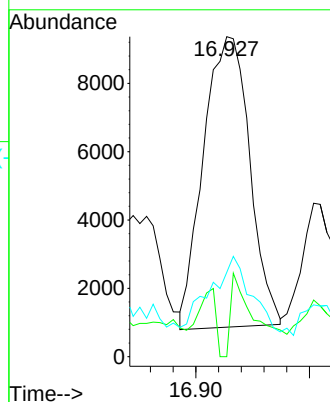
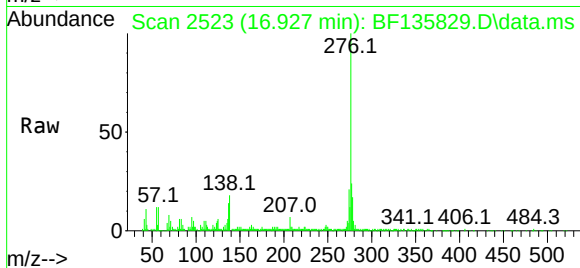
Tgt Ion:	278	Resp:	2404
Ion Ratio	Lower	Upper	
278	100		
139	0.0	12.5	18.7
279	26.4	18.6	27.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/18/2023

Supervised By :mohammad ahmed 10/18/2023



#92

Benzo(g,h,i)perylene

Concen: 14.148 ng

RT: 17.392 min Scan# 2602

Delta R.T. 0.006 min

Lab File: BF135829.D

Acq: 18 Oct 2023 00:06

Tgt Ion:	276	Resp:	97543
Ion Ratio	Lower	Upper	
276	100		
277	28.9	19.4	29.2
138	19.7	17.3	25.9

