

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091323\
 Data File : BF135232.D
 Acq On : 13 Sep 2023 20:21
 Operator : CG\JU
 Sample : 04321-03 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT4296

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/14/2023
 Supervised By :mohammad ahmed 09/14/2023

Quant Time: Sep 14 02:23:18 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	6.763	152	109775	20.000	ng	0.00
21) Naphthalene-d8	8.039	136	384156	20.000	ng	0.00
39) Acenaphthene-d10	9.798	164	141912	20.000	ng	0.00
64) Phenanthrene-d10	11.298	188	209858	20.000	ng	# 0.00
76) Chrysene-d12	13.951	240	209363	20.000	ng	0.00
86) Perylene-d12	15.415	264	201201	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	276898	41.026	ng	0.00
7) Phenol-d6	6.404	99	330766	38.541	ng	0.00
23) Nitrobenzene-d5	7.322	82	189581	26.812	ng	-0.01
42) 2,4,6-Tribromophenol	10.592	330	48419	34.333	ng	0.00
45) 2-Fluorobiphenyl	9.122	172	286355	30.444	ng	0.00
79) Terphenyl-d14	12.892	244	223857	16.575	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.316	77	22351	4.572	ng	98
50) Dimethylphthalate	9.516	163	135730	14.146	ng	98
68) Hexachlorobenzene	10.904	284	9057	4.259	ng	# 78
71) Phenanthrene	11.322	178	35826	3.610	ng	# 81
75) Fluoranthene	12.516	202	51250	4.955	ng	92
78) Pyrene	12.745	202	46907	2.353	ng	# 95
84) Bis(2-ethylhexyl)phtha...	13.939	149	89026	12.362	ng	99
88) Benzo(b)fluoranthene	14.992	252	31580m	2.899	ng	

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

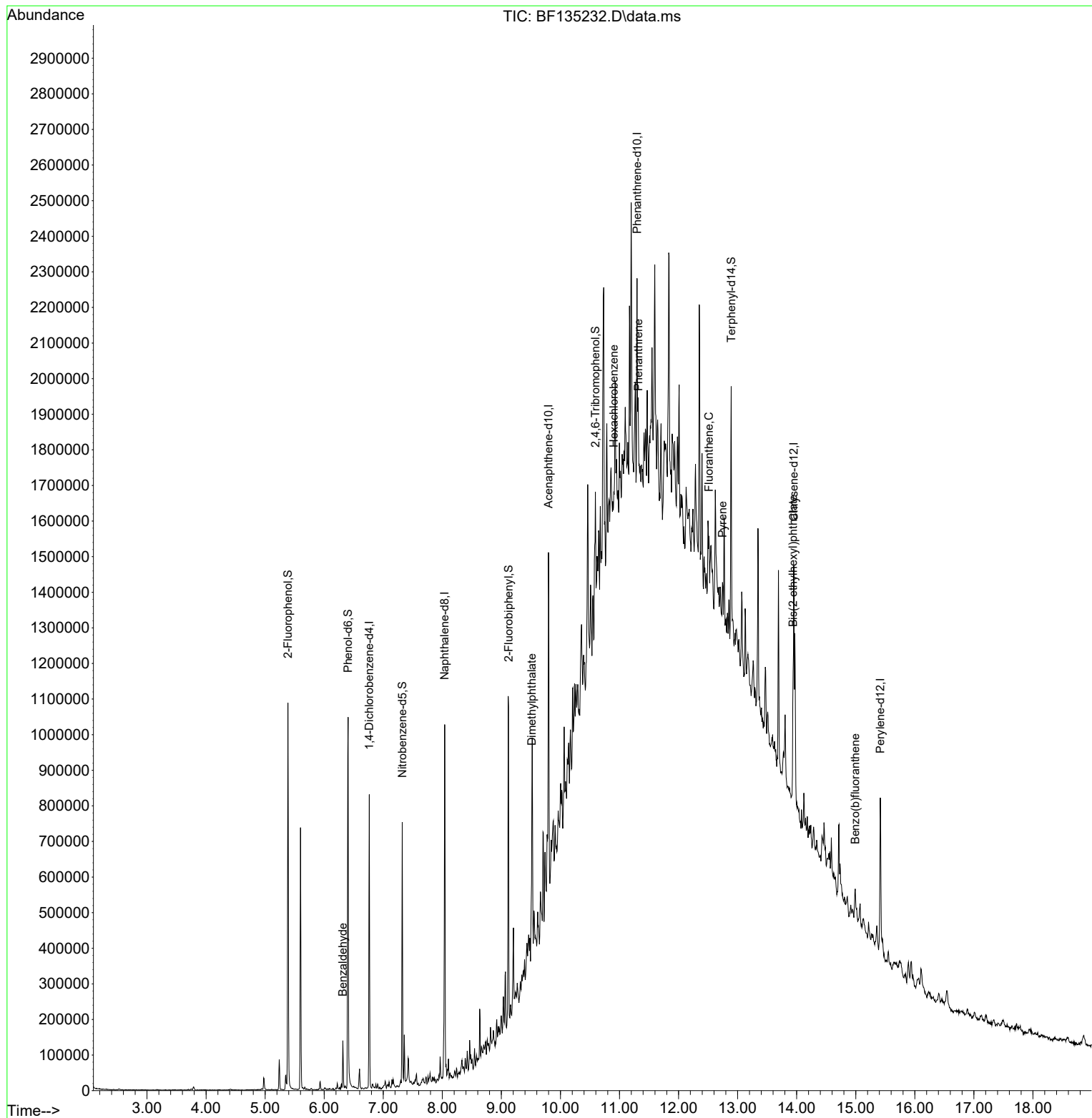
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091323\
Data File : BF135232.D
Acq On : 13 Sep 2023 20:21
Operator : CG\JU
Sample : 04321-03 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

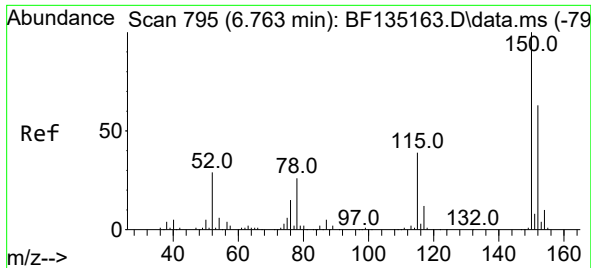
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BNA_F
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RT4296

Quant Time: Sep 14 02:23:18 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

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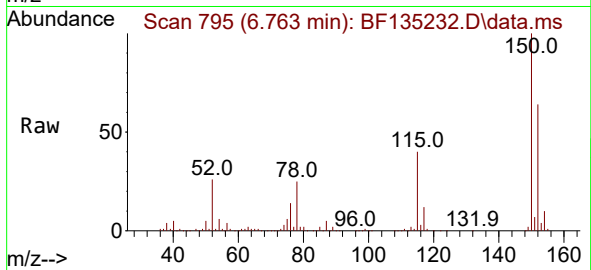
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.763 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135232.D
Acq: 13 Sep 2023 20:21

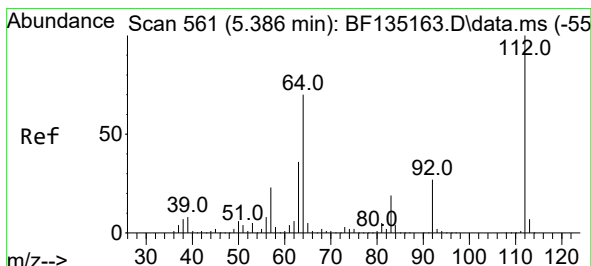
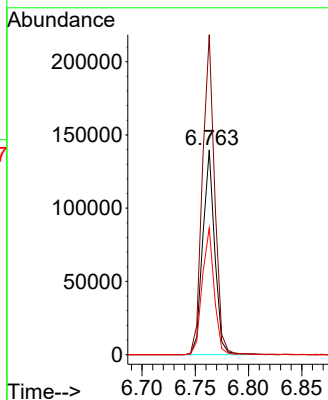
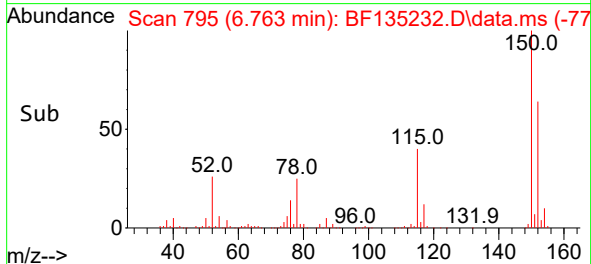
Instrument :
BNA_F
ClientSampleId :
RT4296



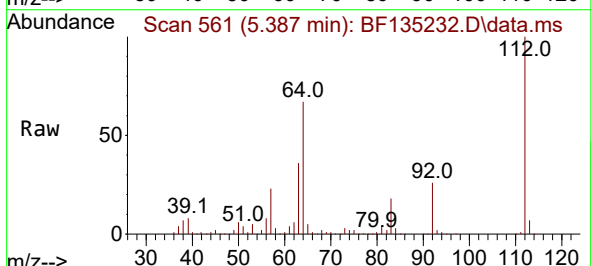
Tgt Ion:152 Resp: 109775
Ion Ratio Lower Upper
152 100
150 156.3 127.8 191.6
115 61.9 49.8 74.8

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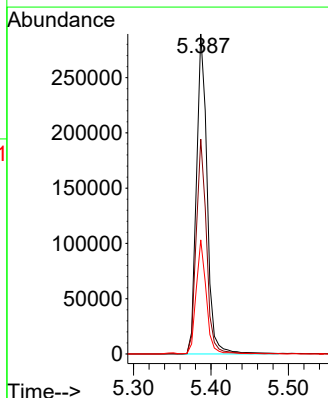
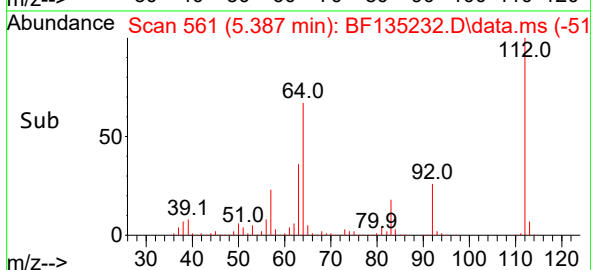
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023

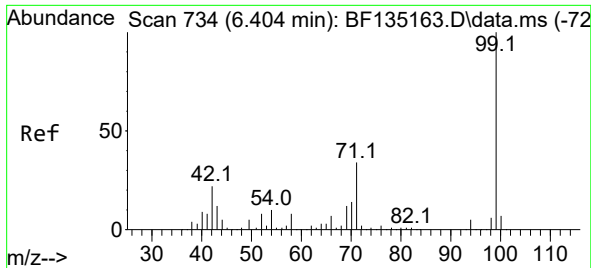


#5
2-Fluorophenol
Concen: 41.026 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF135232.D
Acq: 13 Sep 2023 20:21



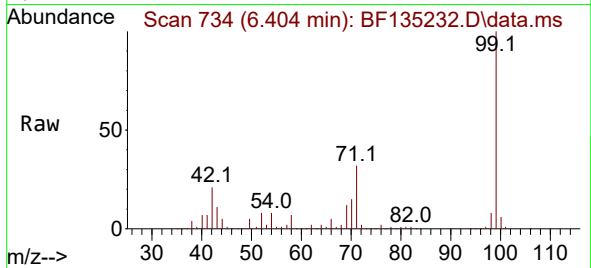
Tgt Ion:112 Resp: 276898
Ion Ratio Lower Upper
112 100
64 67.2 55.9 83.9
63 35.7 29.0 43.6





#7
Phenol-d6
Concen: 38.541 ng
RT: 6.404 min Scan# 719
Delta R.T. 0.000 min
Lab File: BF135232.D
Acq: 13 Sep 2023 20:21

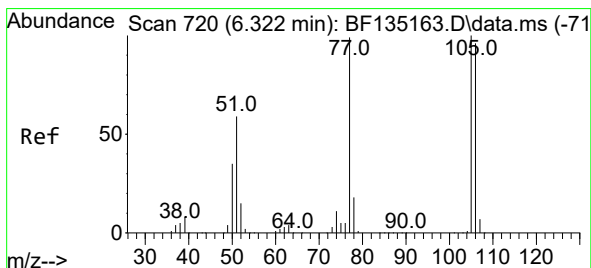
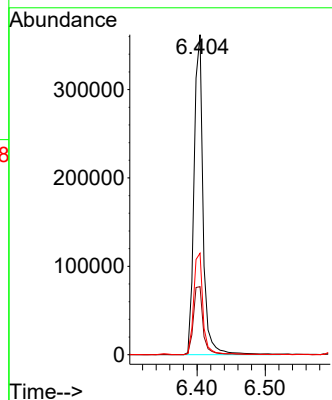
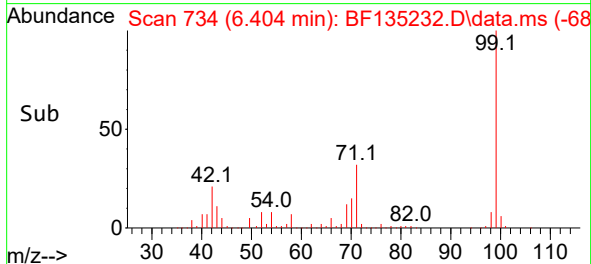
Instrument :
BNA_F
ClientSampleId :
RT4296



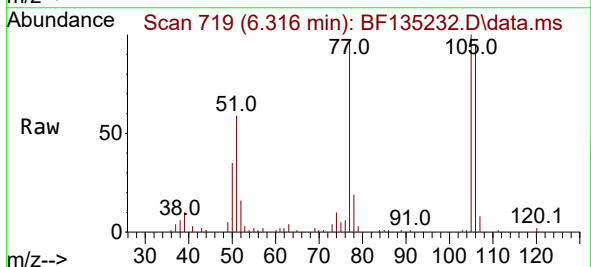
Tgt Ion: 99 Resp: 330760
Ion Ratio Lower Upper
99 100
42 21.2 17.9 26.9
71 31.7 27.0 40.6

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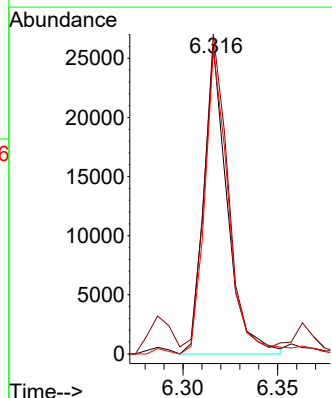
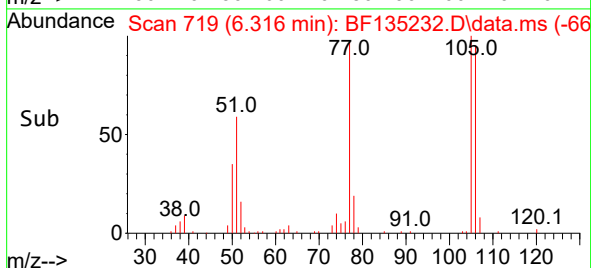
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023

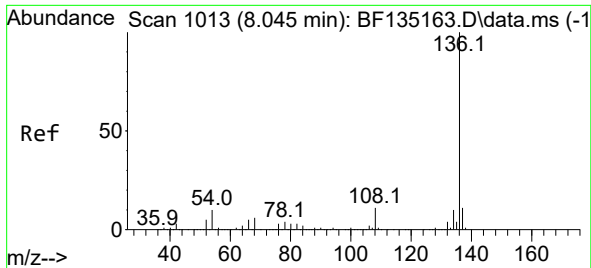


#9
Benzaldehyde
Concen: 4.572 ng
RT: 6.316 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF135232.D
Acq: 13 Sep 2023 20:21



Tgt Ion: 77 Resp: 22351
Ion Ratio Lower Upper
77 100
105 103.4 81.4 121.4
106 98.2 76.9 116.9





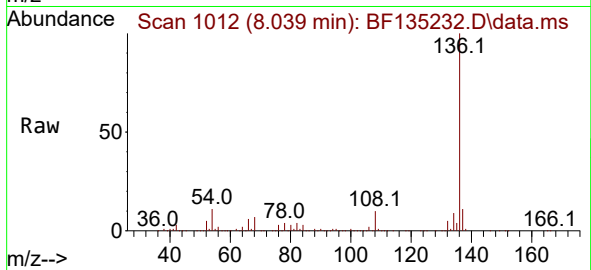
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.039 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF135232.D
Acq: 13 Sep 2023 20:21

Instrument :

BNA_F

ClientSampleId :

RT4296

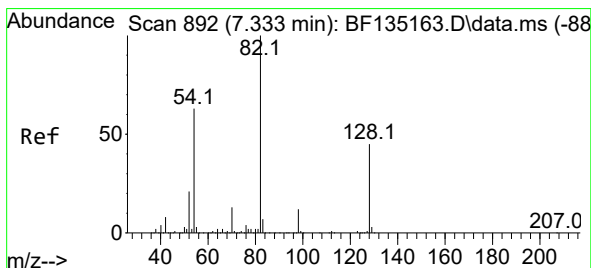
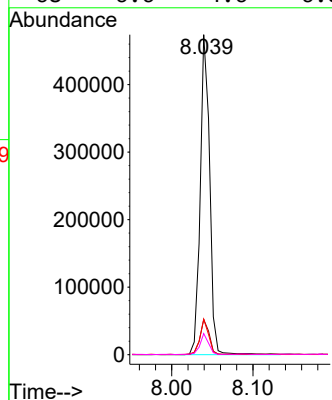
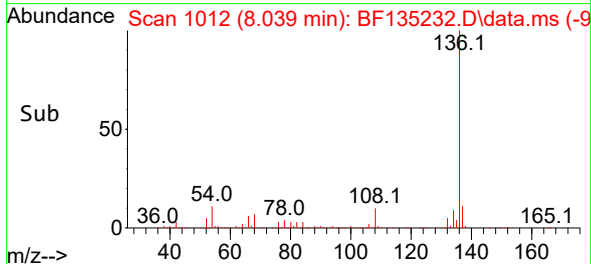


Tgt Ion:136 Resp: 384150
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 11.1 7.7 11.5
68 6.6 4.6 6.8

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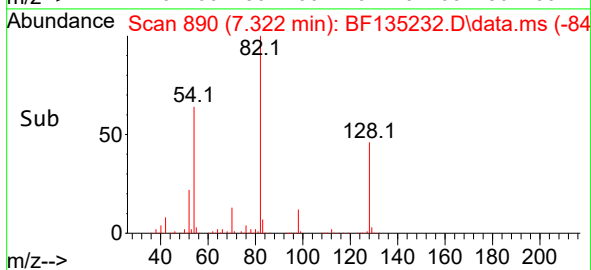
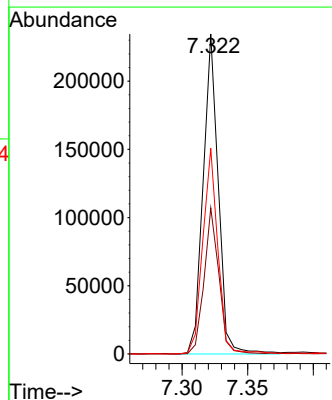
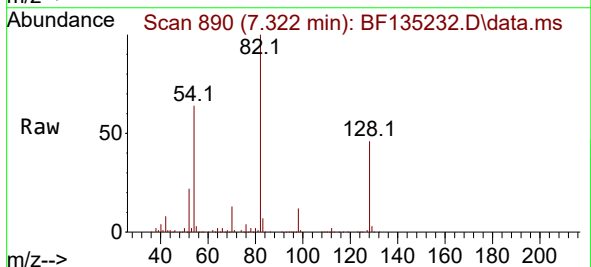
APPROVED

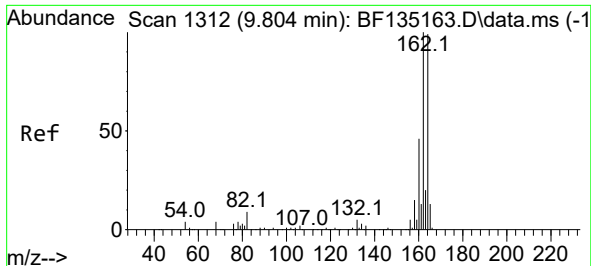
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023



#23
Nitrobenzene-d5
Concen: 26.812 ng
RT: 7.322 min Scan# 890
Delta R.T. -0.012 min
Lab File: BF135232.D
Acq: 13 Sep 2023 20:21

Tgt Ion: 82 Resp: 189581
Ion Ratio Lower Upper
82 100
128 45.7 35.8 53.6
54 64.3 50.6 76.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.798 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135232.D

Acq: 13 Sep 2023 20:21

Instrument :

BNA_F

ClientSampleId :

RT4296

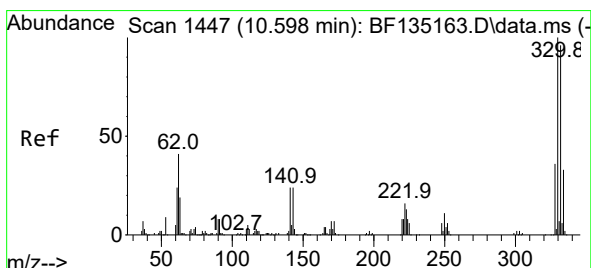
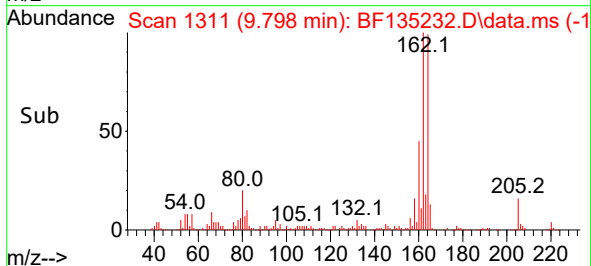
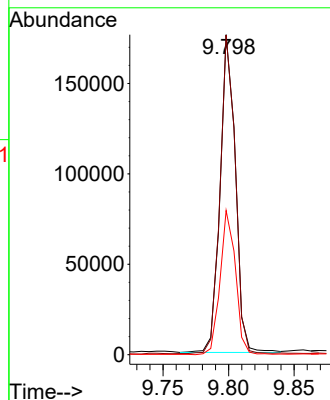
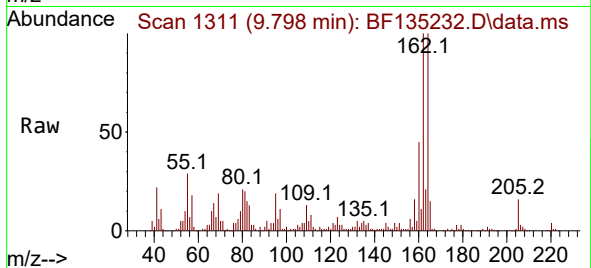
Tgt Ion:	164	Resp:	14191
Ion Ratio	Lower	Upper	
164	100		
162	99.9	81.0	121.4
160	45.0	37.0	55.4

Manual Integrations

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Reviewed By :Yogesh Patel 09/14/2023

Supervised By :mohammad ahmed 09/14/2023



#42

2,4,6-Tribromophenol

Concen: 34.333 ng

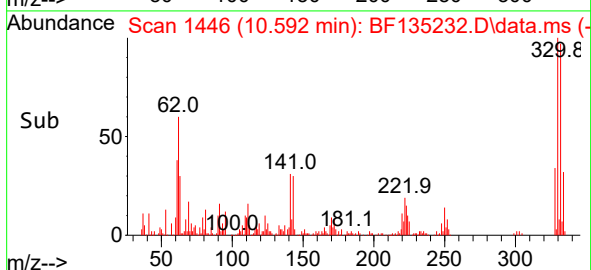
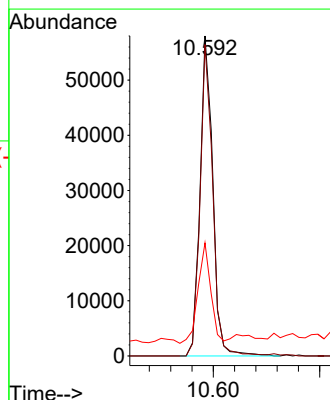
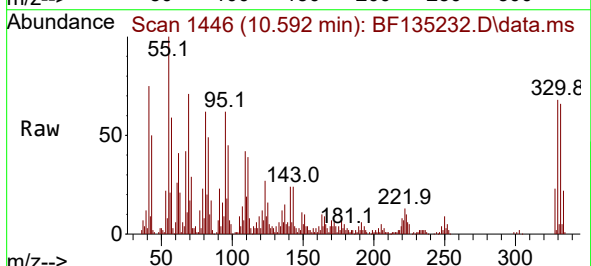
RT: 10.592 min Scan# 1446

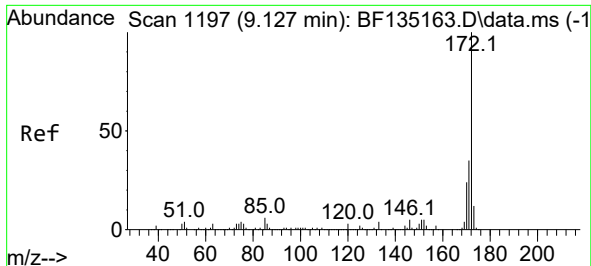
Delta R.T. -0.006 min

Lab File: BF135232.D

Acq: 13 Sep 2023 20:21

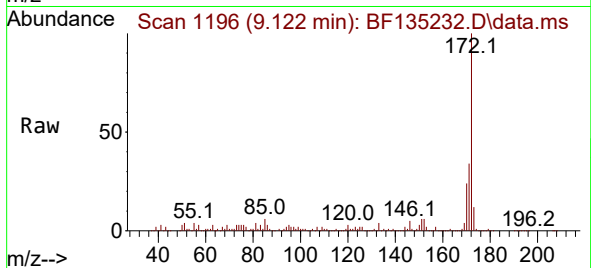
Tgt Ion:	330	Resp:	48419
Ion Ratio	Lower	Upper	
330	100		
332	96.1	77.3	115.9
141	31.3	25.8	38.8





#45
2-Fluorobiphenyl
Concen: 30.444 ng
RT: 9.122 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF135232.D
Acq: 13 Sep 2023 20:21

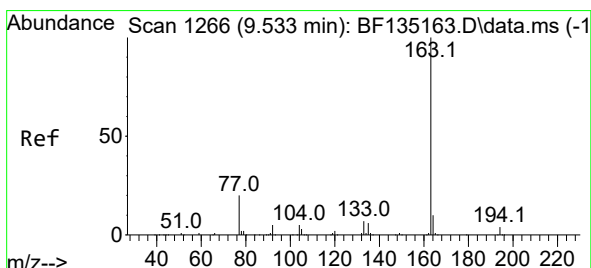
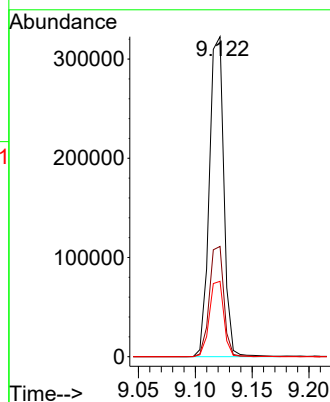
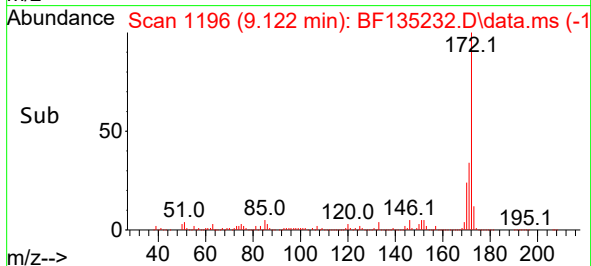
Instrument :
BNA_F
ClientSampleId :
RT4296



Tgt Ion:172 Resp: 286358
Ion Ratio Lower Upper
172 100
171 34.5 28.4 42.6
170 23.6 19.0 28.4

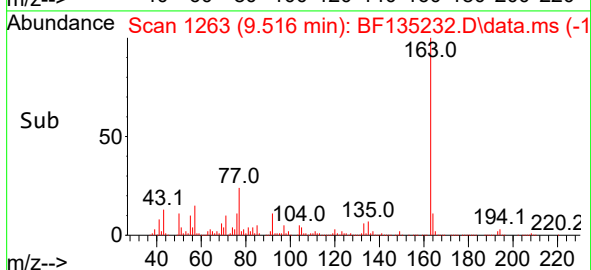
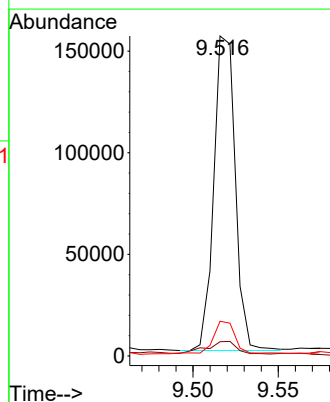
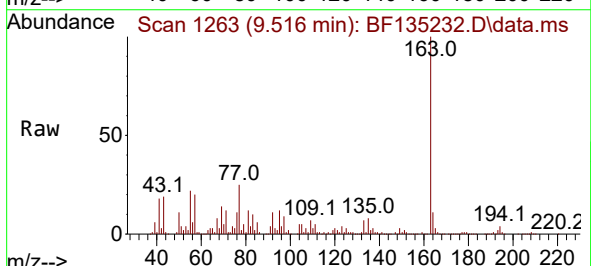
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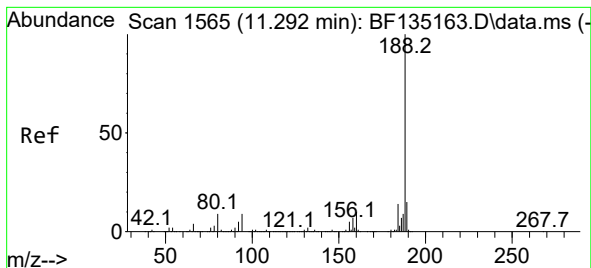
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023



#50
Dimethylphthalate
Concen: 14.146 ng
RT: 9.516 min Scan# 1263
Delta R.T. -0.017 min
Lab File: BF135232.D
Acq: 13 Sep 2023 20:21

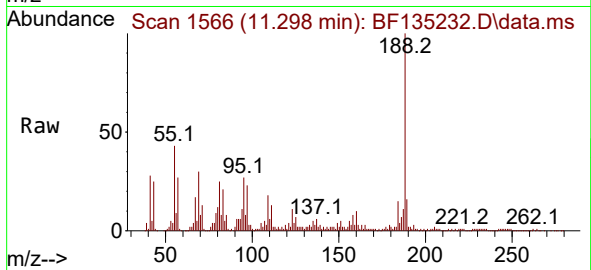
Tgt Ion:163 Resp: 135730
Ion Ratio Lower Upper
163 100
194 4.5 3.1 4.7
164 10.8 8.1 12.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1566
Delta R.T. 0.006 min
Lab File: BF135232.D
Acq: 13 Sep 2023 20:21

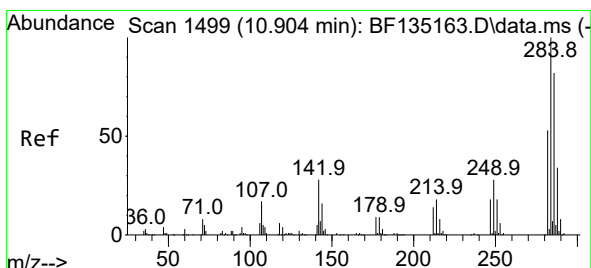
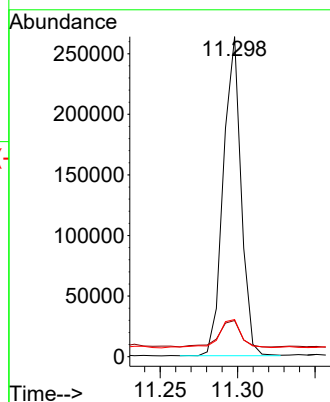
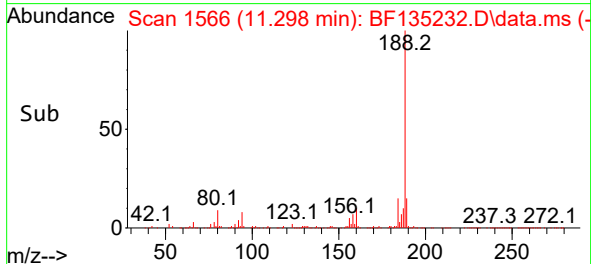
Instrument :
BNA_F
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RT4296



Tgt Ion:188 Resp: 209858
Ion Ratio Lower Upper
188 100
94 11.3 7.0 10.6
80 11.6 7.5 11.3

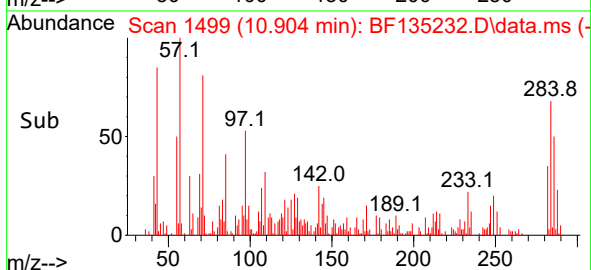
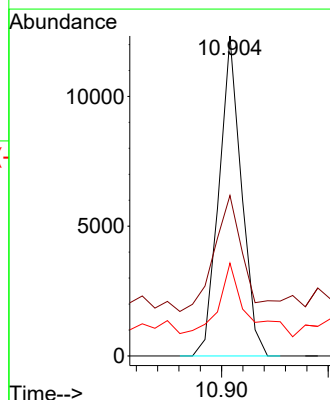
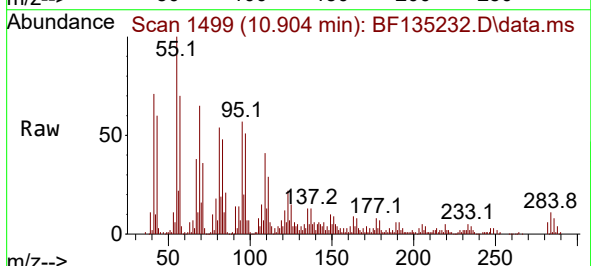
Manual Integrations
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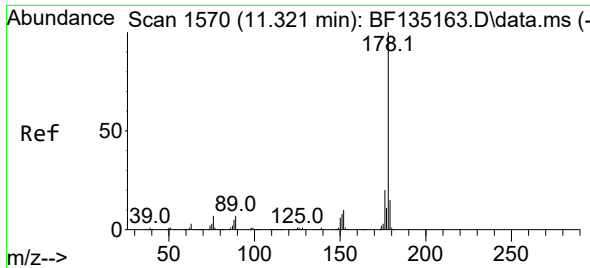
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023



#68
Hexachlorobenzene
Concen: 4.259 ng
RT: 10.904 min Scan# 1499
Delta R.T. 0.000 min
Lab File: BF135232.D
Acq: 13 Sep 2023 20:21

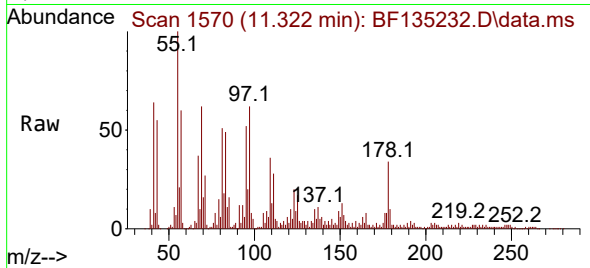
Tgt Ion:284 Resp: 9057
Ion Ratio Lower Upper
284 100
142 50.2 22.2 33.4
249 29.0 22.5 33.7





#71
Phenanthrene
Concen: 3.610 ng
RT: 11.322 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BF135232.D
Acq: 13 Sep 2023 20:21

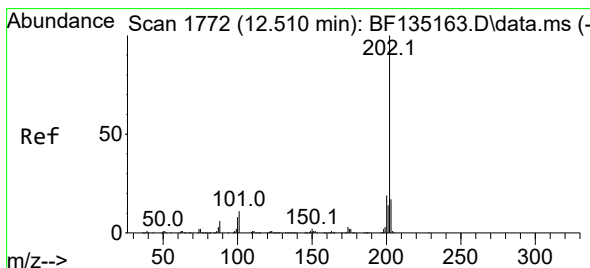
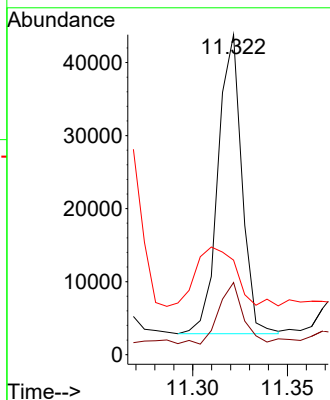
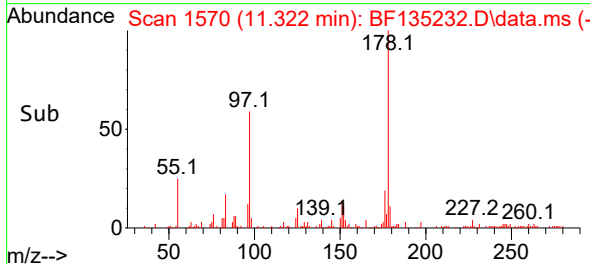
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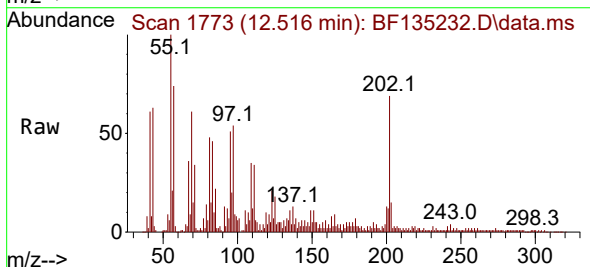
Tgt Ion:178 Resp: 35820
Ion Ratio Lower Upper
178 100
176 22.6 15.6 23.4
179 29.6 12.0 18.0

Manual Integrations
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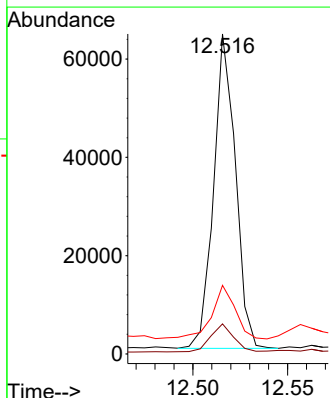
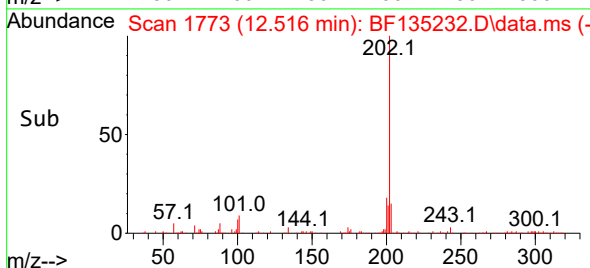
Reviewed By :Yogesh Patel 09/14/2023
Supervised By :mohammad ahmed 09/14/2023

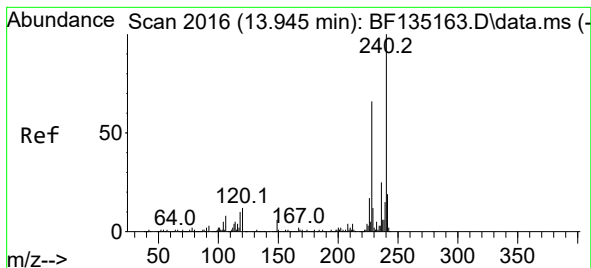


#75
Fluoranthene
Concen: 4.955 ng
RT: 12.516 min Scan# 1773
Delta R.T. 0.006 min
Lab File: BF135232.D
Acq: 13 Sep 2023 20:21



Tgt Ion:202 Resp: 51250
Ion Ratio Lower Upper
202 100
101 9.4 0.0 31.3
203 21.4 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.951 min Scan# 2016

Delta R.T. 0.006 min

Lab File: BF135232.D

Acq: 13 Sep 2023 20:21

Instrument :

BNA_F

ClientSampleId :

RT4296

Tgt Ion:240 Resp: 20936

Ion Ratio Lower Upper

240 100

120 11.9 9.4 14.2

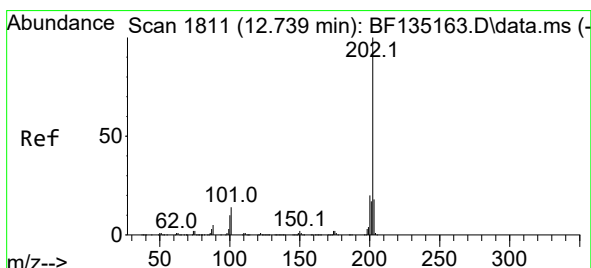
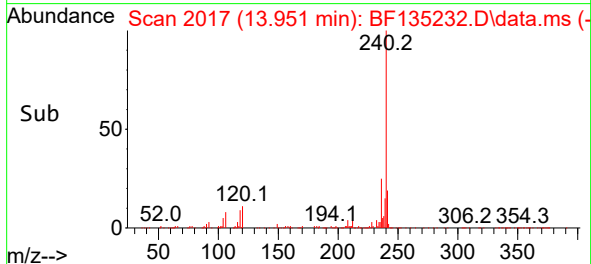
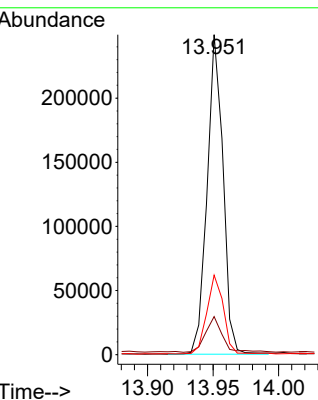
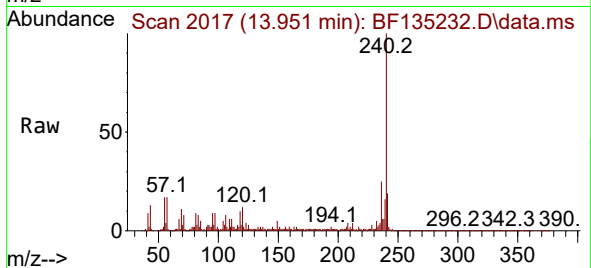
236 24.8 19.8 29.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/14/2023

Supervised By :mohammad ahmed 09/14/2023



#78

Pyrene

Concen: 2.353 ng

RT: 12.745 min Scan# 1812

Delta R.T. 0.006 min

Lab File: BF135232.D

Acq: 13 Sep 2023 20:21

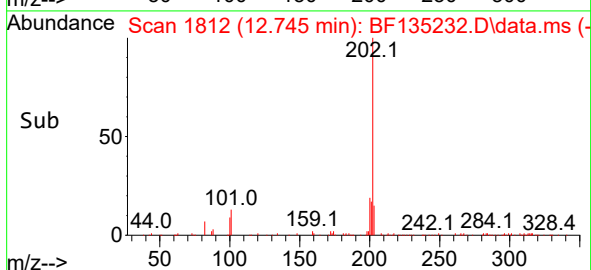
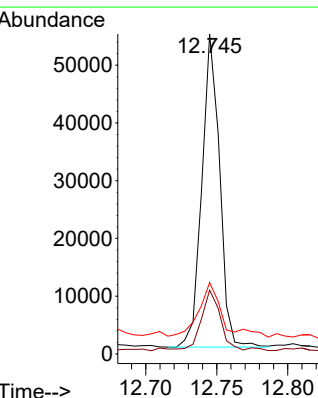
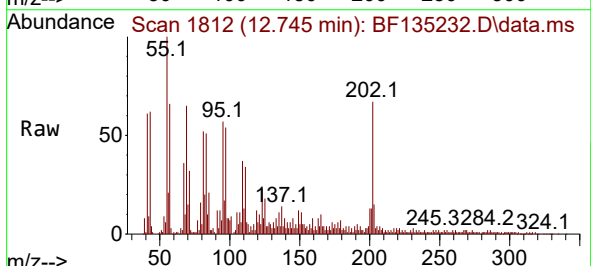
Tgt Ion:202 Resp: 46907

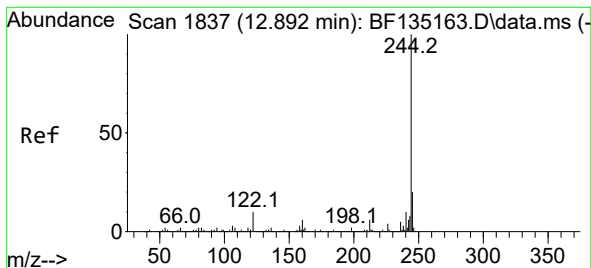
Ion Ratio Lower Upper

202 100

200 20.0 16.2 24.2

203 22.3 14.2 21.4





#79

Terphenyl-d14

Concen: 16.575 ng

RT: 12.892 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF135232.D

Acq: 13 Sep 2023 20:21

Instrument :

BNA_F

ClientSampleId :

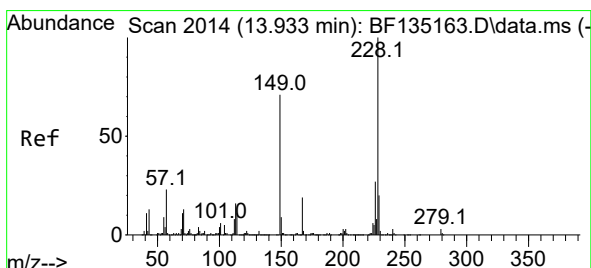
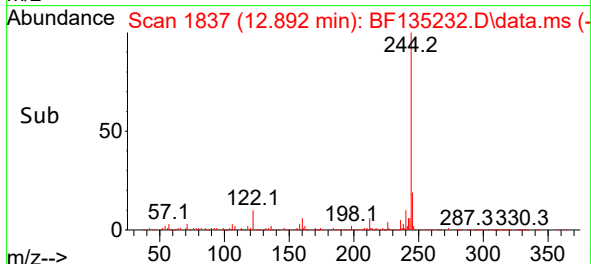
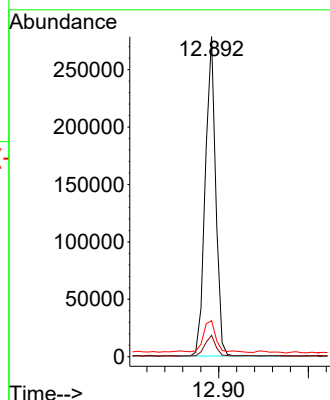
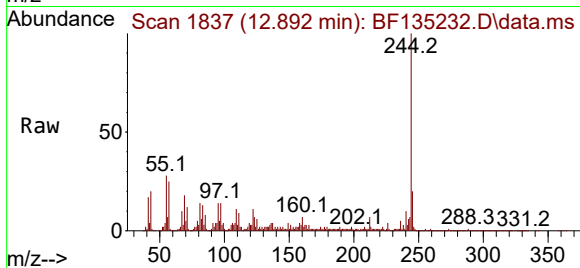
RT4296

Tgt Ion:244 Resp: 22385
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.1 7.7
 122 11.3 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/14/2023
 Supervised By :mohammad ahmed 09/14/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 12.362 ng

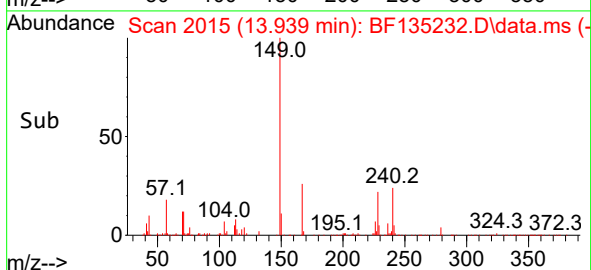
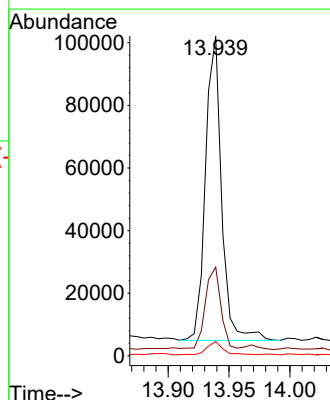
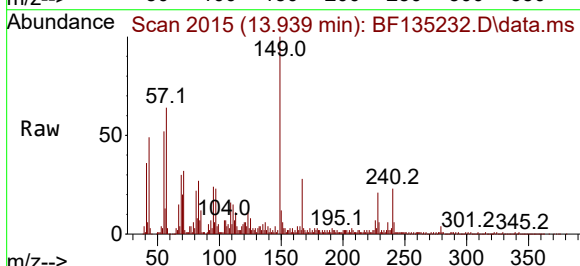
RT: 13.939 min Scan# 2015

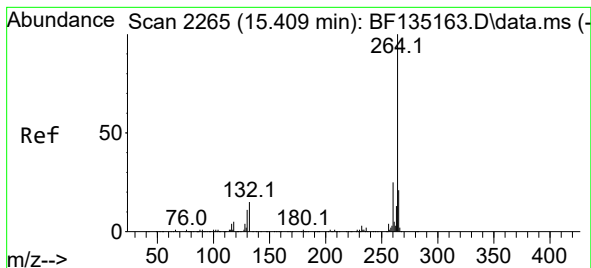
Delta R.T. 0.006 min

Lab File: BF135232.D

Acq: 13 Sep 2023 20:21

Tgt Ion:149 Resp: 89026
 Ion Ratio Lower Upper
 149 100
 167 27.8 21.9 32.9
 279 4.5 3.3 4.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.415 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135232.D

Acq: 13 Sep 2023 20:21

Instrument :

BNA_F

ClientSampleId :

RT4296

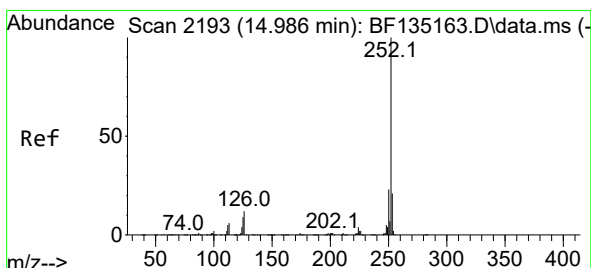
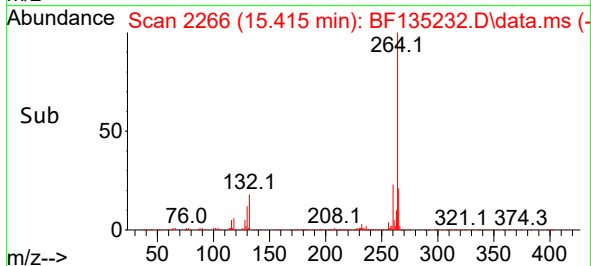
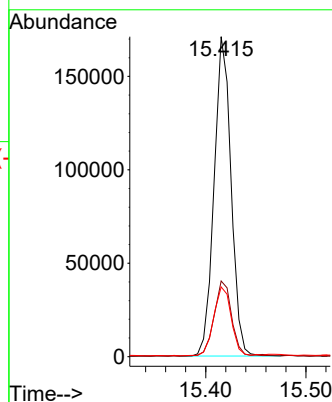
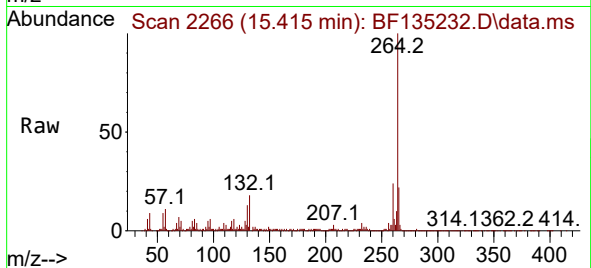
Tgt Ion:264	Resp:	20120
Ion Ratio	Lower	Upper
264	100	
260	23.6	19.8 29.6
265	21.8	17.0 25.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/14/2023

Supervised By :mohammad ahmed 09/14/2023



#88

Benzo(b)fluoranthene

Concen: 2.899 ng m

RT: 14.992 min Scan# 2194

Delta R.T. 0.006 min

Lab File: BF135232.D

Acq: 13 Sep 2023 20:21

Tgt Ion:252	Resp:	31580
Ion Ratio	Lower	Upper
252	100	
253	25.1	17.2 25.8
125	30.8	7.1 10.7

