

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092623\
 Data File : BF135459.D
 Acq On : 26 Sep 2023 18:27
 Operator : CG\JU
 Sample : 04531-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-BCD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/27/2023
 Supervised By :mohammad ahmed 09/29/2023

Quant Time: Sep 27 02:15:42 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 26 01:36:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.751	152	151093	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	551007	20.000	ng	0.00
39) Acenaphthene-d10	9.786	164	236383	20.000	ng	0.00
64) Phenanthrene-d10	11.280	188	358987	20.000	ng	# 0.00
76) Chrysene-d12	13.939	240	286198	20.000	ng	0.00
86) Perylene-d12	15.404	264	258612	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	937513	100.919	ng	0.00
7) Phenol-d6	6.398	99	1176702	99.615	ng	0.00
23) Nitrobenzene-d5	7.316	82	708474	69.856	ng	0.00
42) 2,4,6-Tribromophenol	10.581	330	172208	73.309	ng	0.00
45) 2-Fluorobiphenyl	9.110	172	1130325	72.143	ng	0.00
79) Terphenyl-d14	12.874	244	904201	48.976	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.304	178	104451	6.152	ng	99
75) Fluoranthene	12.498	202	174688	9.874	ng	97
78) Pyrene	12.727	202	166198	6.099	ng	98
81) Benzo(a)anthracene	13.927	228	86647	4.689	ng	96
83) Chrysene	13.963	228	78751	4.286	ng	98
88) Benzo(b)fluoranthene	14.980	252	78772m	5.627	ng	
90) Benzo(a)pyrene	15.345	252	52948	3.966	ng	# 92

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

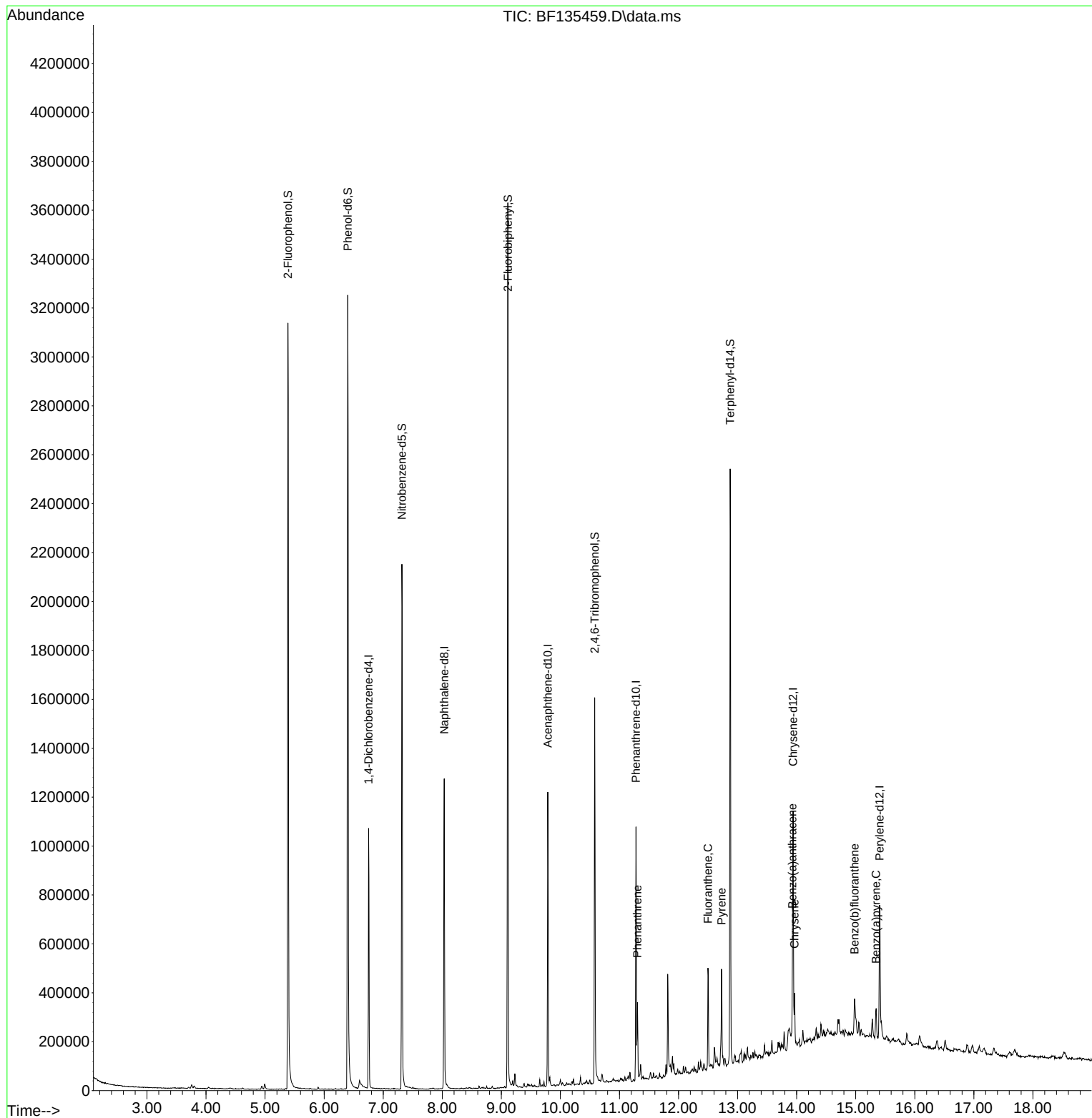
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092623\
Data File : BF135459.D
Acq On : 26 Sep 2023 18:27
Operator : CG\JU
Sample : 04531-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

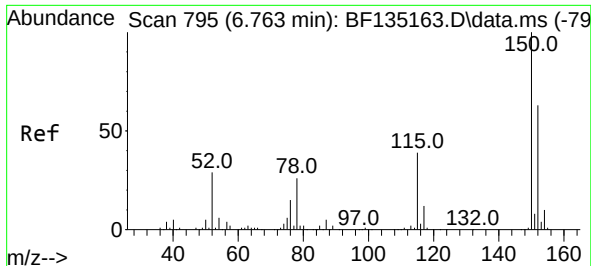
Instrument :
BNA_F
ClientSampleId :
TP-BCD

Quant Time: Sep 27 02:15:42 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 26 01:36:36 2023
Response via : Initial Calibration

Manual Integrations
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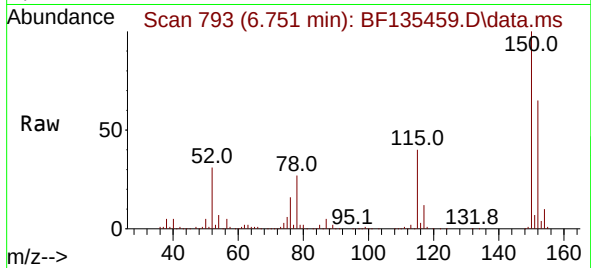
Reviewed By :Yogesh Patel 09/27/2023
Supervised By :mohammad ahmed 09/29/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.751 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135459.D
Acq: 26 Sep 2023 18:27

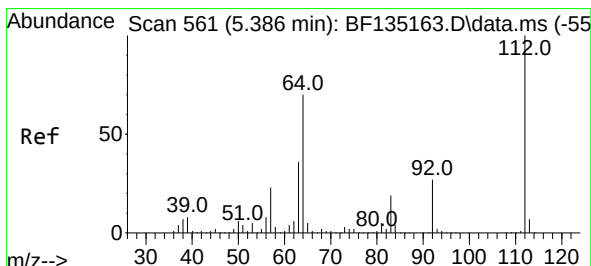
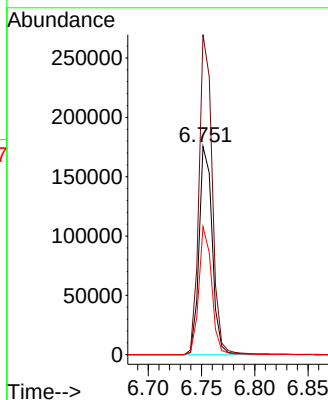
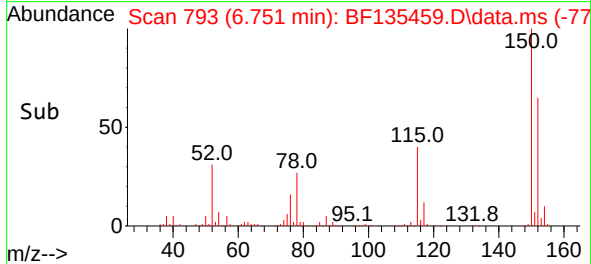
Instrument :
BNA_F
ClientSampleId :
TP-BCD



Tgt Ion:152 Resp: 151093
Ion Ratio Lower Upper
152 100
150 153.7 127.8 191.6
115 61.5 49.8 74.8

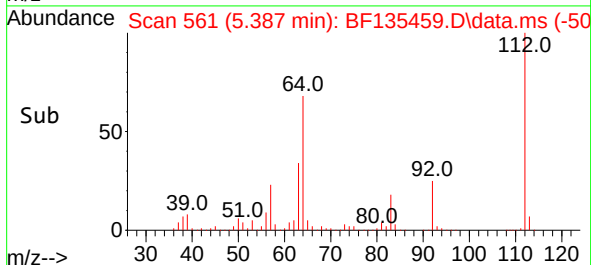
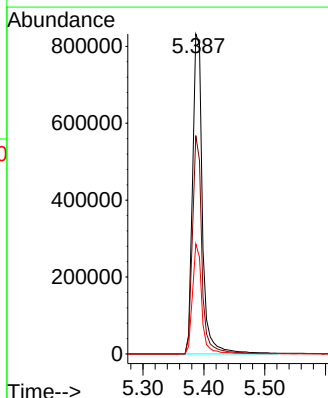
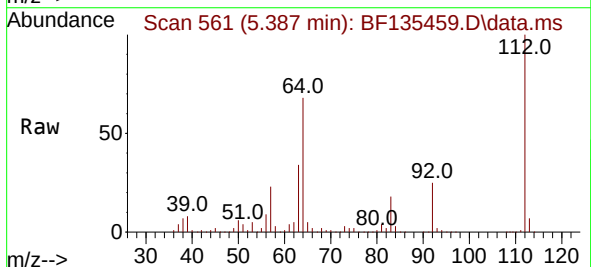
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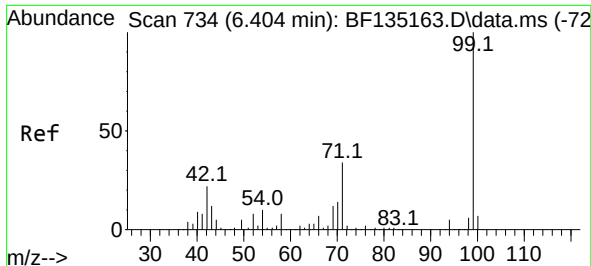
Reviewed By :Yogesh Patel 09/27/2023
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#5
2-Fluorophenol
Concen: 100.919 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.006 min
Lab File: BF135459.D
Acq: 26 Sep 2023 18:27

Tgt Ion:112 Resp: 937513
Ion Ratio Lower Upper
112 100
64 68.3 55.9 83.9
63 34.4 29.0 43.6





#7

Phenol-d6

Concen: 99.615 ng

RT: 6.398 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF135459.D

Acq: 26 Sep 2023 18:27

Instrument :

BNA_F

ClientSampleId :

TP-BCD

Tgt Ion: 99 Resp: 117670

Ion Ratio Lower Upper

99 100

42 22.2 17.9 26.9

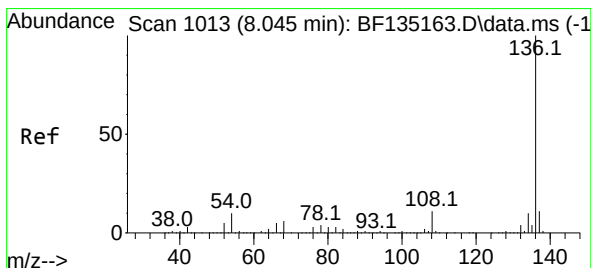
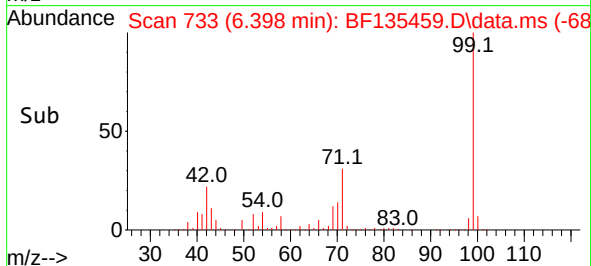
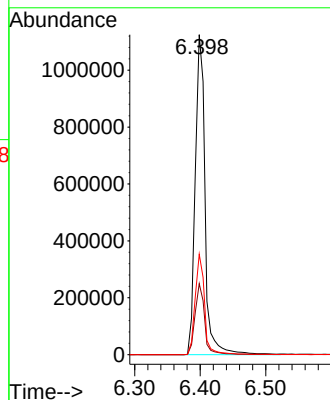
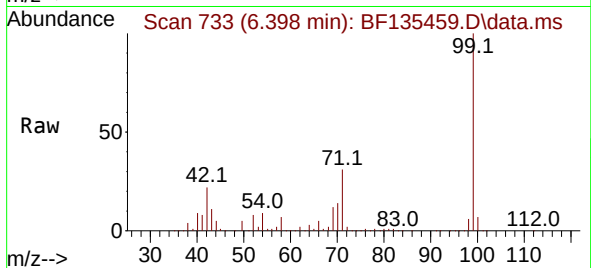
71 31.4 27.0 40.6

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.034 min Scan# 1011

Delta R.T. 0.000 min

Lab File: BF135459.D

Acq: 26 Sep 2023 18:27

Tgt Ion:136 Resp: 551007

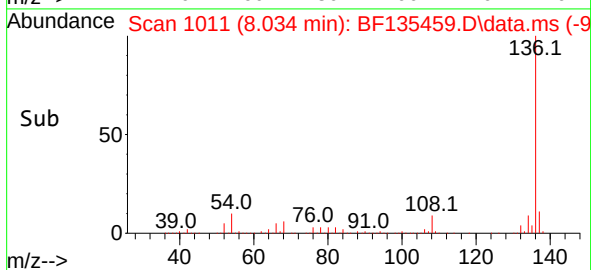
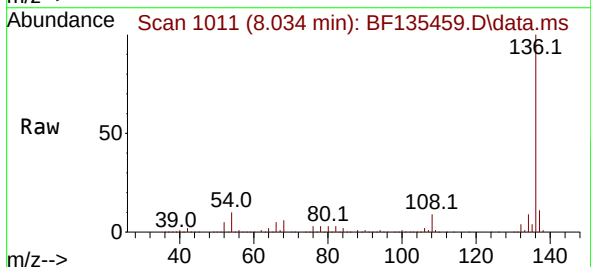
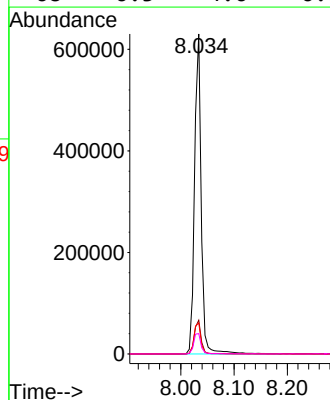
Ion Ratio Lower Upper

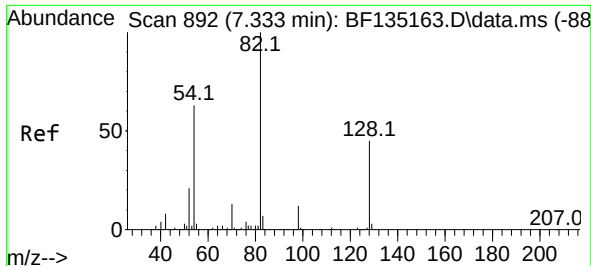
136 100

137 10.5 8.8 13.2

54 9.7 7.7 11.5

68 6.3 4.6 6.8





#23

Nitrobenzene-d5

Concen: 69.856 ng

RT: 7.316 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF135459.D

Acq: 26 Sep 2023 18:27

Instrument :

BNA_F

ClientSampleId :

TP-BCD

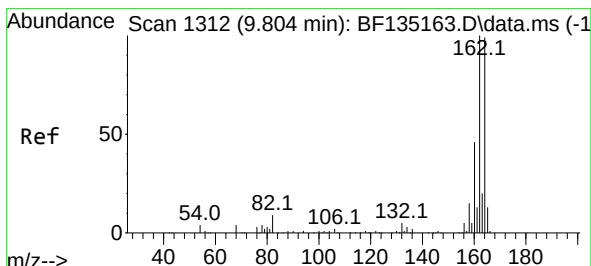
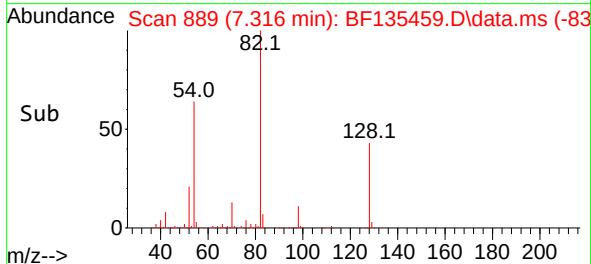
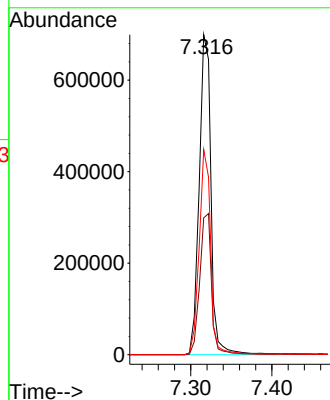
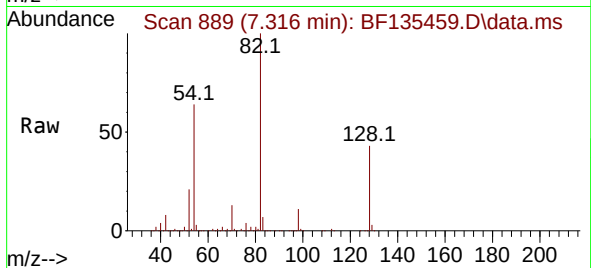
Tgt Ion: 82 Resp: 708474

Ion	Ratio	Lower	Upper
82	100		
128	42.8	35.8	53.6
54	64.1	50.6	76.0

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.786 min Scan# 1309

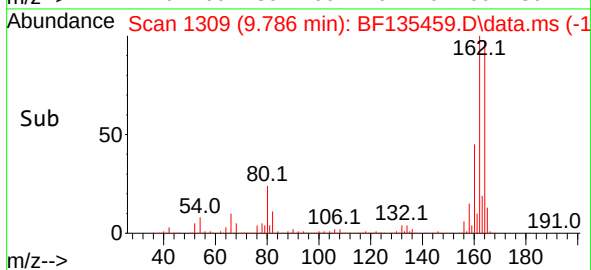
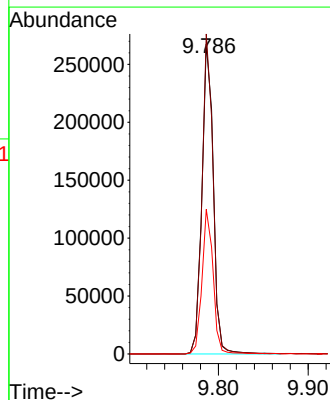
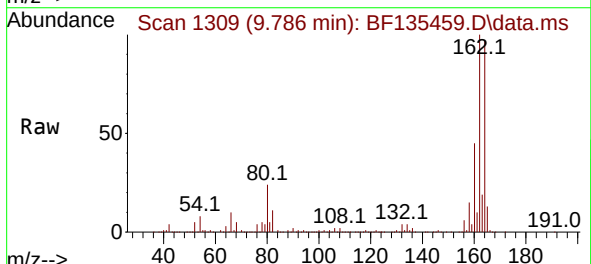
Delta R.T. -0.006 min

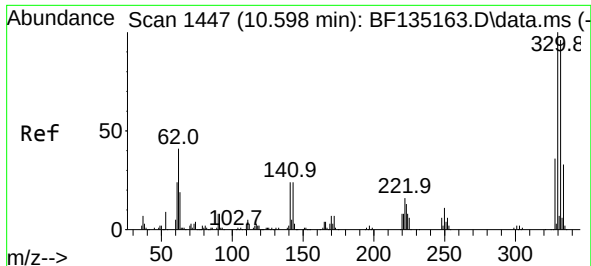
Lab File: BF135459.D

Acq: 26 Sep 2023 18:27

Tgt Ion:164 Resp: 236383

Ion	Ratio	Lower	Upper
164	100		
162	103.3	81.0	121.4
160	46.7	37.0	55.4





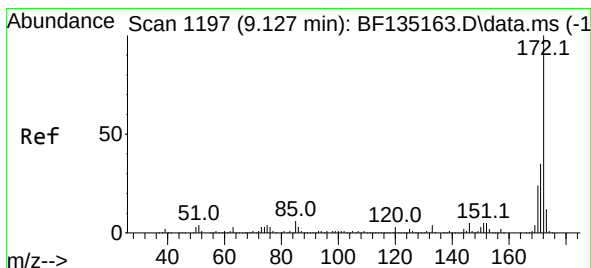
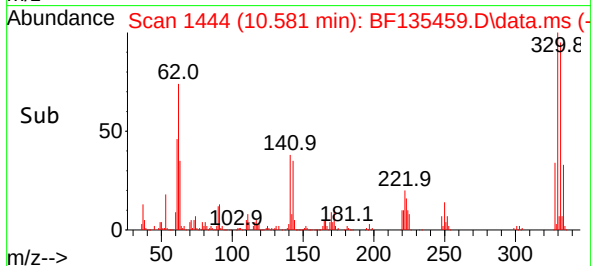
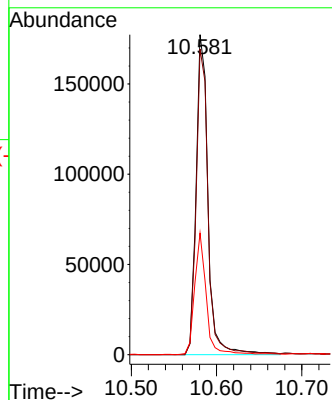
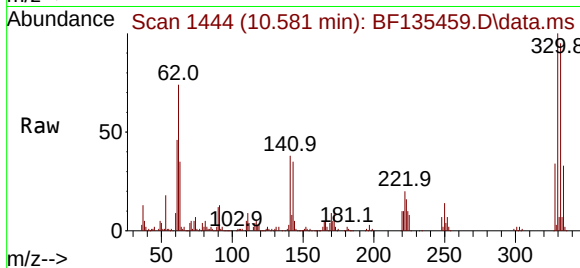
#42
2,4,6-Tribromophenol
Concen: 73.309 ng
RT: 10.581 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF135459.D
Acq: 26 Sep 2023 18:27

Instrument :
BNA_F
ClientSampleId :
TP-BCD

Tgt Ion:330 Resp: 172208
Ion Ratio Lower Upper
330 100
332 96.0 77.3 115.9
141 36.9 25.8 38.8

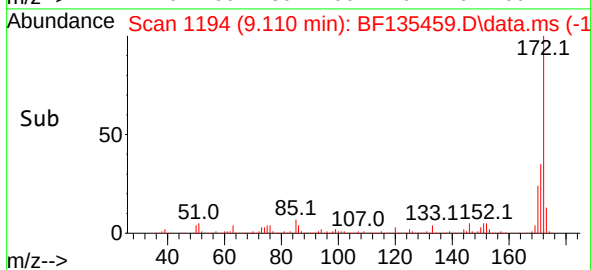
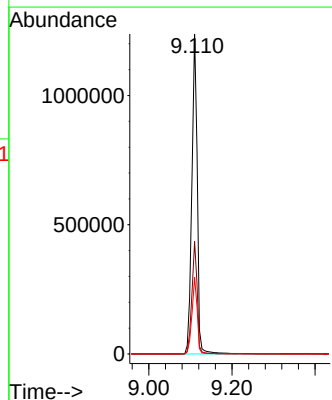
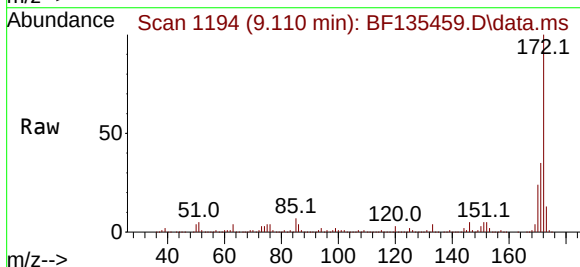
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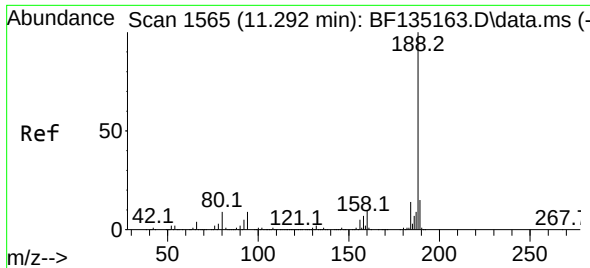
Reviewed By :Yogesh Patel 09/27/2023
Supervised By :mohammad ahmed 09/29/2023



#45
2-Fluorobiphenyl
Concen: 72.143 ng
RT: 9.110 min Scan# 1194
Delta R.T. -0.006 min
Lab File: BF135459.D
Acq: 26 Sep 2023 18:27

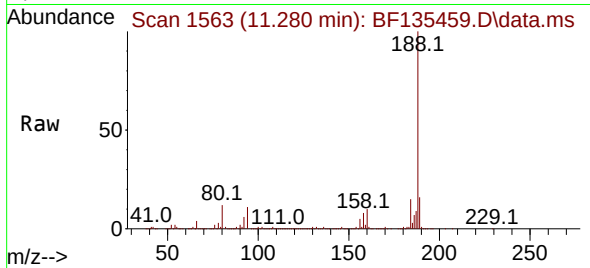
Tgt Ion:172 Resp: 1130325
Ion Ratio Lower Upper
172 100
171 35.1 28.4 42.6
170 24.0 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.280 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF135459.D
Acq: 26 Sep 2023 18:27

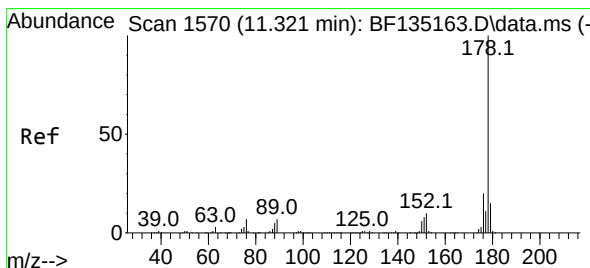
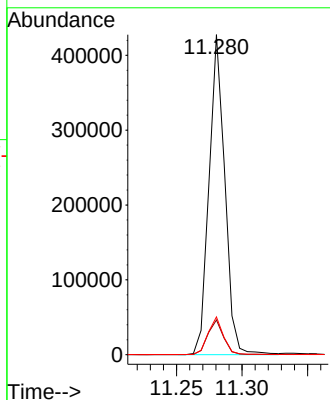
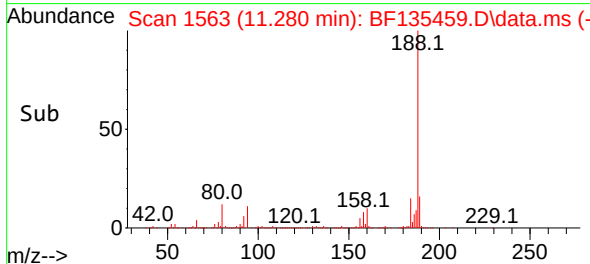
Instrument :
BNA_F
ClientSampleId :
TP-BCD



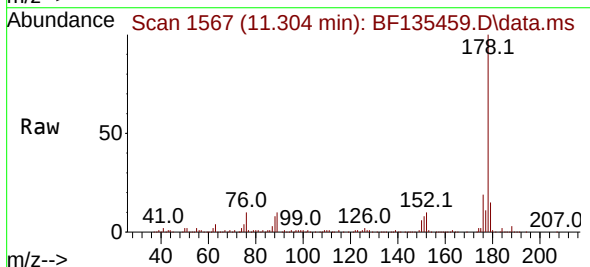
Tgt Ion:188 Resp: 35898
Ion Ratio Lower Upper
188 100
94 10.8 7.0 10.6
80 11.8 7.5 11.3

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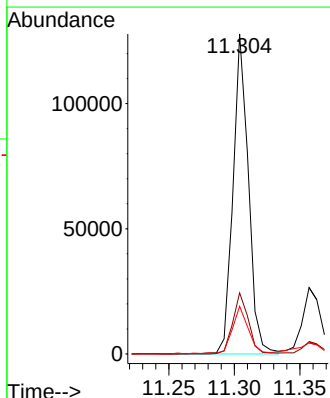
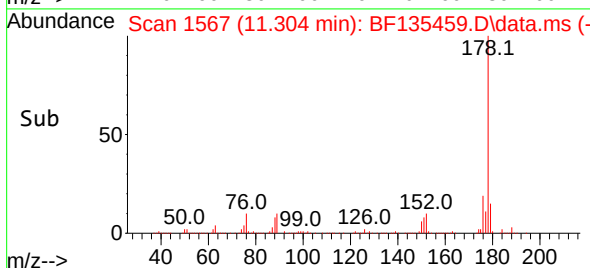
Reviewed By :Yogesh Patel 09/27/2023
Supervised By :mohammad ahmed 09/29/2023

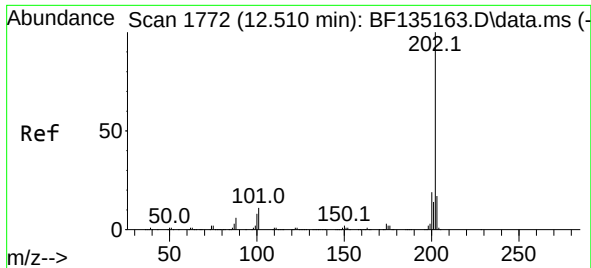


#71
Phenanthrene
Concen: 6.152 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF135459.D
Acq: 26 Sep 2023 18:27



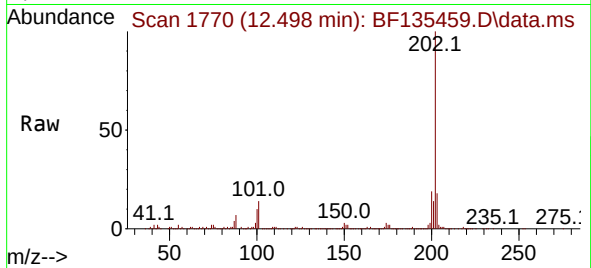
Tgt Ion:178 Resp: 104451
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 14.9 12.0 18.0





#75
Fluoranthene
Concen: 9.874 ng
RT: 12.498 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135459.D
Acq: 26 Sep 2023 18:27

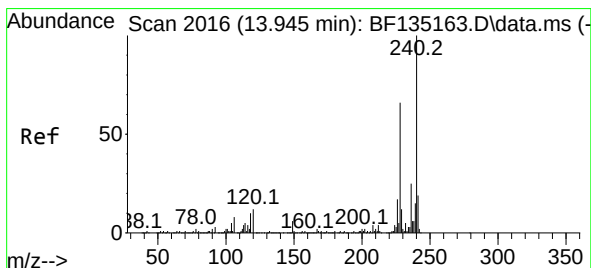
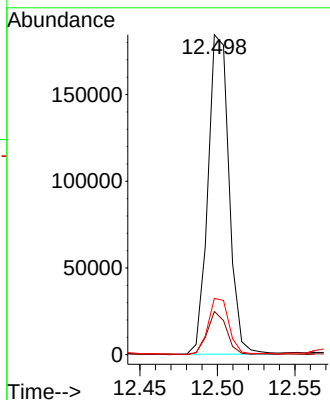
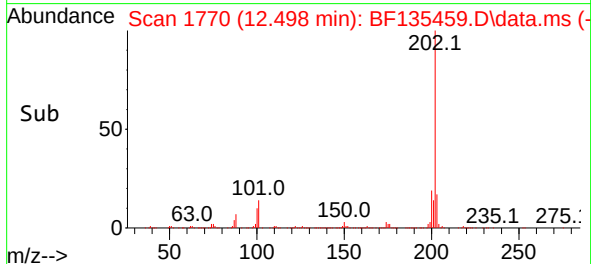
Instrument :
BNA_F
ClientSampleId :
TP-BCD



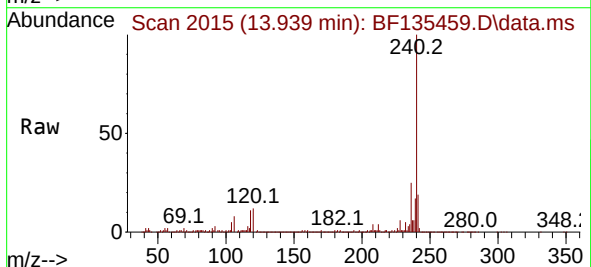
Tgt Ion:202 Resp: 17468
Ion Ratio Lower Upper
202 100
101 13.5 0.0 31.3
203 17.6 0.0 37.4

Manual Integrations
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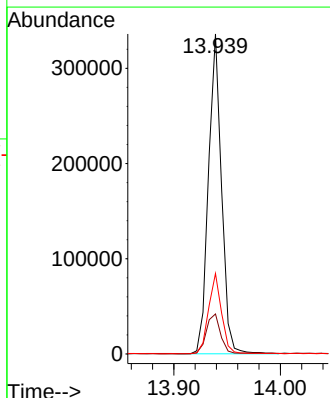
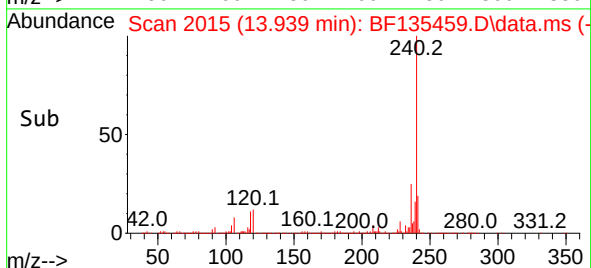
Reviewed By :Yogesh Patel 09/27/2023
Supervised By :mohammad ahmed 09/29/2023

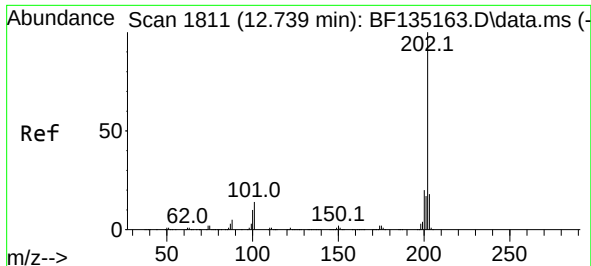


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF135459.D
Acq: 26 Sep 2023 18:27



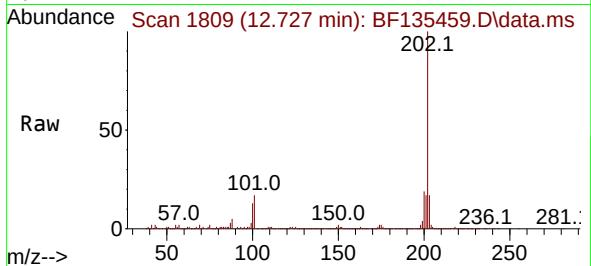
Tgt Ion:240 Resp: 286198
Ion Ratio Lower Upper
240 100
120 12.5 9.4 14.2
236 25.1 19.8 29.8





#78
Pyrene
Concen: 6.099 ng
RT: 12.727 min Scan# 1809
Delta R.T. -0.006 min
Lab File: BF135459.D
Acq: 26 Sep 2023 18:27

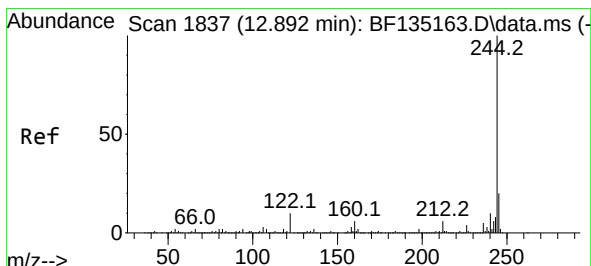
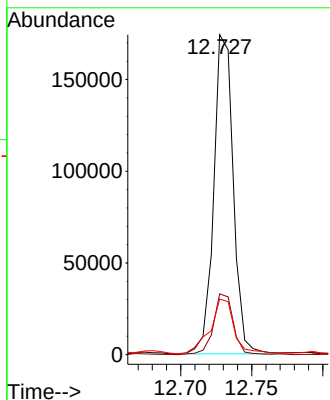
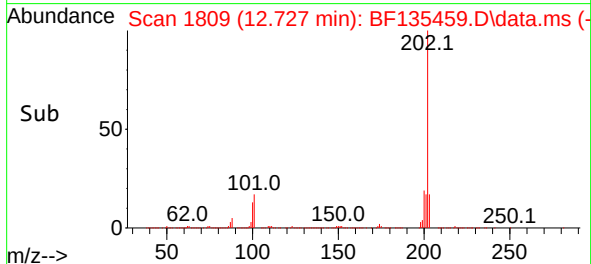
Instrument :
BNA_F
ClientSampleId :
TP-BCD



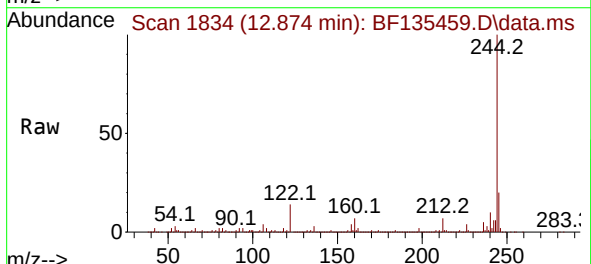
Tgt Ion:202 Resp: 166198
Ion Ratio Lower Upper
202 100
200 19.0 16.2 24.2
203 17.4 14.2 21.4

Manual Integrations
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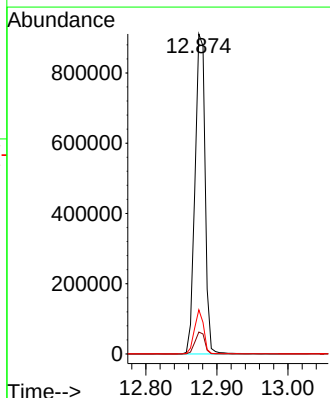
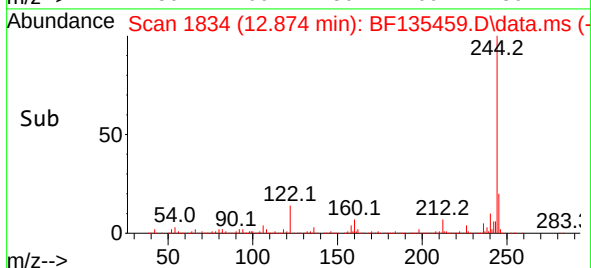
Reviewed By :Yogesh Patel 09/27/2023
Supervised By :mohammad ahmed 09/29/2023

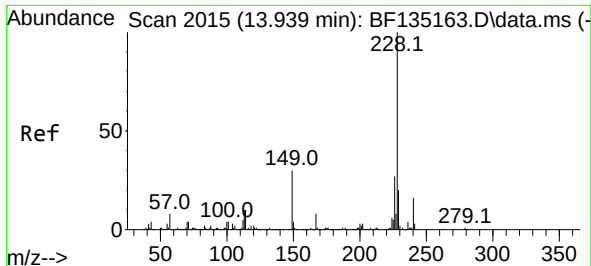


#79
Terphenyl-d14
Concen: 48.976 ng
RT: 12.874 min Scan# 1834
Delta R.T. -0.006 min
Lab File: BF135459.D
Acq: 26 Sep 2023 18:27



Tgt Ion:244 Resp: 904201
Ion Ratio Lower Upper
244 100
212 6.9 5.1 7.7
122 13.8 7.9 11.9#





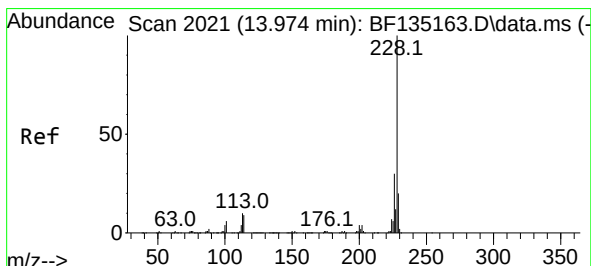
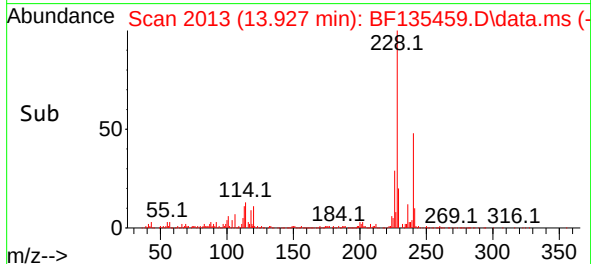
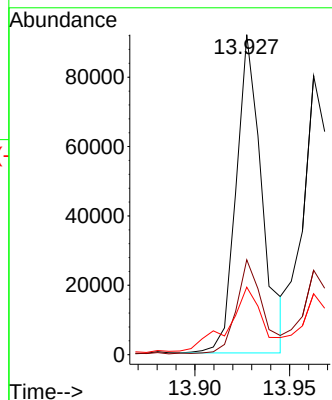
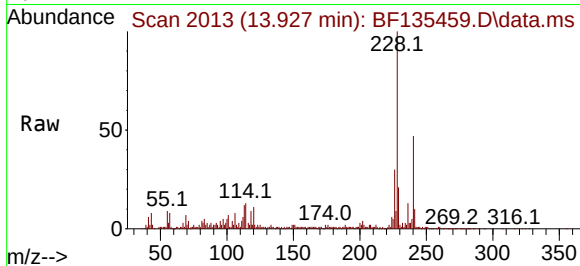
#81
Benzo(a)anthracene
Concen: 4.689 ng
RT: 13.927 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF135459.D
Acq: 26 Sep 2023 18:27

Instrument :
BNA_F
ClientSampleId :
TP-BCD

Tgt Ion:228 Resp: 8664
Ion Ratio Lower Upper
228 100
226 29.6 21.7 32.5
229 21.1 15.8 23.8

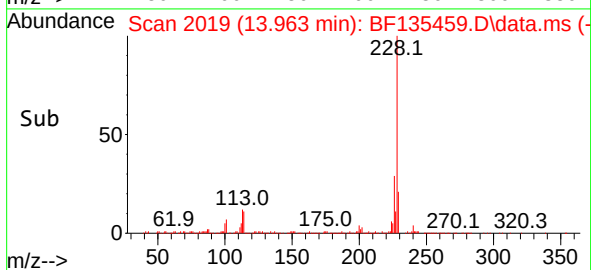
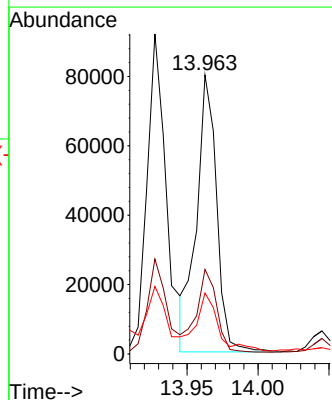
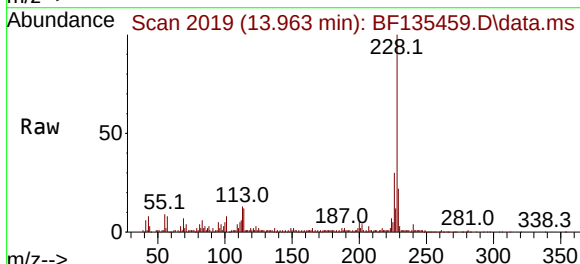
Manual Integrations
APPROVED

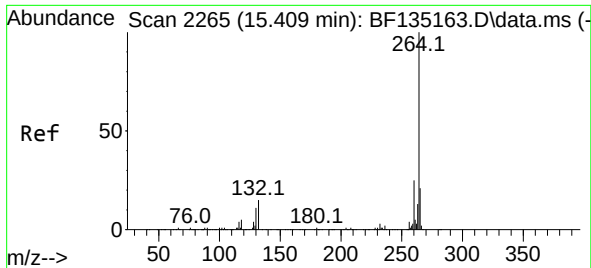
Reviewed By :Yogesh Patel 09/27/2023
Supervised By :mohammad ahmed 09/29/2023



#83
Chrysene
Concen: 4.286 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF135459.D
Acq: 26 Sep 2023 18:27

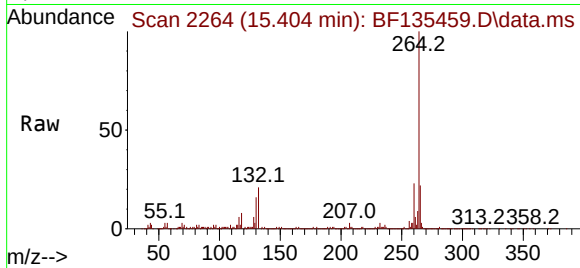
Tgt Ion:228 Resp: 78751
Ion Ratio Lower Upper
228 100
226 30.3 24.3 36.5
229 21.9 16.0 24.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.404 min Scan# 2192
Delta R.T. 0.000 min
Lab File: BF135459.D
Acq: 26 Sep 2023 18:27

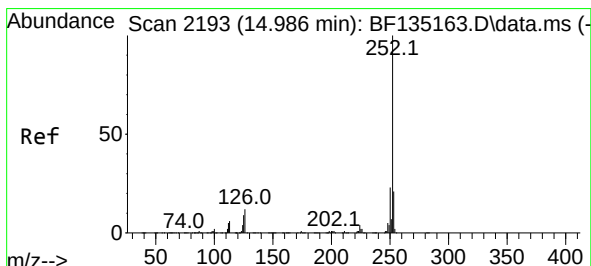
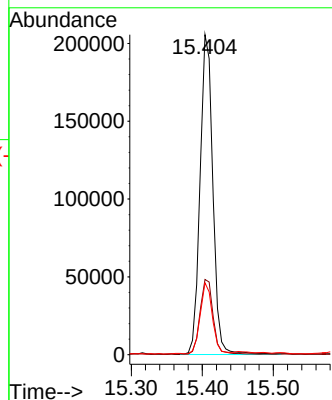
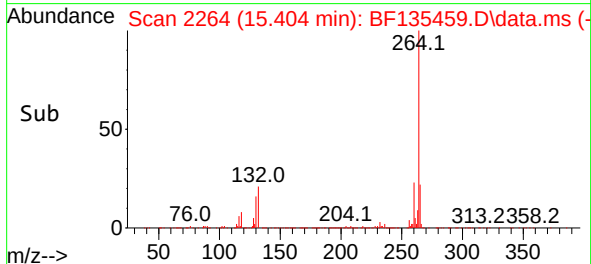
Instrument :
BNA_F
ClientSampleId :
TP-BCD



Tgt Ion:264 Resp: 25861
Ion Ratio Lower Upper
264 100
260 23.5 19.8 29.6
265 22.5 17.0 25.4

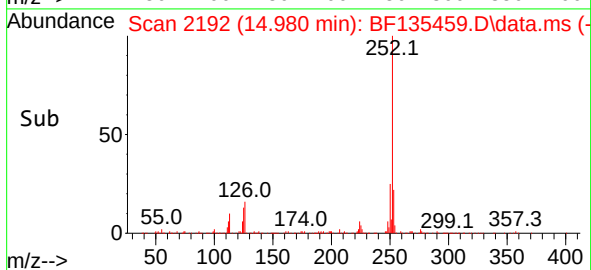
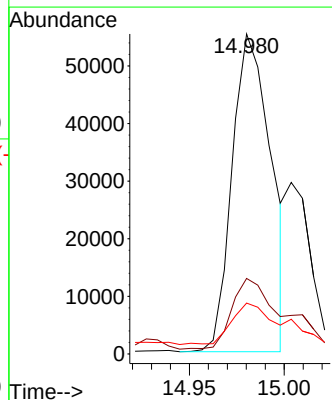
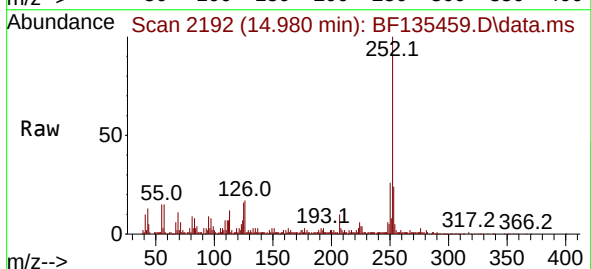
Manual Integrations
APPROVED

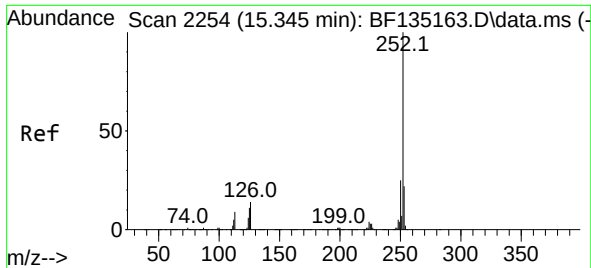
Reviewed By :Yogesh Patel 09/27/2023
Supervised By :mohammad ahmed 09/29/2023



#88
Benzo(b)fluoranthene
Concen: 5.627 ng m
RT: 14.980 min Scan# 2192
Delta R.T. -0.000 min
Lab File: BF135459.D
Acq: 26 Sep 2023 18:27

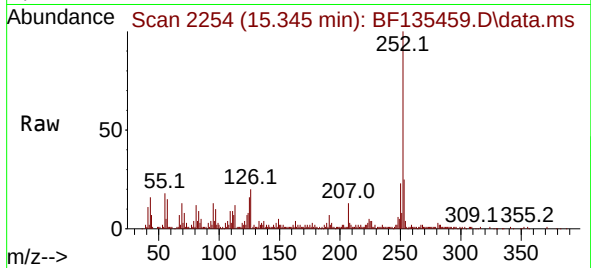
Tgt Ion:252 Resp: 78772
Ion Ratio Lower Upper
252 100
253 23.6 17.2 25.8
125 15.9 7.1 10.7#





#90
Benzo(a)pyrene
Concen: 3.966 ng
RT: 15.345 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF135459.D
Acq: 26 Sep 2023 18:27

Instrument :
BNA_F
ClientSampleId :
TP-BCD



Tgt Ion:252 Resp: 52948
Ion Ratio Lower Upper
252 100
253 24.6 17.5 26.3
125 16.0 9.2 13.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/27/2023
Supervised By :mohammad ahmed 09/29/2023

