

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122922\
 Data File : BF131882.D
 Acq On : 29 Dec 2022 17:20
 Operator : CG\JU
 Sample : N6228-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Dec 30 02:11:06 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 30 02:06:40 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/30/2022
 Supervised By :Yogesh Patel 12/30/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	68311	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	249260	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	129424	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	202449	20.000	ng	0.00
76) Chrysene-d12	14.010	240	130086	20.000	ng	0.00
86) Perylene-d12	15.492	264	132139	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	460337	111.677	ng	0.01
7) Phenol-d6	6.451	99	594140	109.709	ng	0.00
23) Nitrobenzene-d5	7.387	82	431112	69.054	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	129119	91.821	ng	0.00
45) 2-Fluorobiphenyl	9.187	172	629075	66.577	ng	0.00
79) Terphenyl-d14	12.951	244	442795	57.577	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.380	178	65377	5.872	ng	99
75) Fluoranthene	12.575	202	130178	10.039	ng	98
78) Pyrene	12.804	202	121495	11.143	ng	99
81) Benzo(a)anthracene	13.998	228	72768	7.726	ng	99
83) Chrysene	14.039	228	63343	7.157	ng	98
87) Indeno(1,2,3-cd)pyrene	16.968	276	33680	4.012	ng	99
88) Benzo(b)fluoranthene	15.057	252	87192m	8.999	ng	
89) Benzo(k)fluoranthene	15.080	252	28674m	3.063	ng	
90) Benzo(a)pyrene	15.427	252	65139	8.684	ng	94
92) Benzo(g,h,i)perylene	17.415	276	30913	8.633	ng	96

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

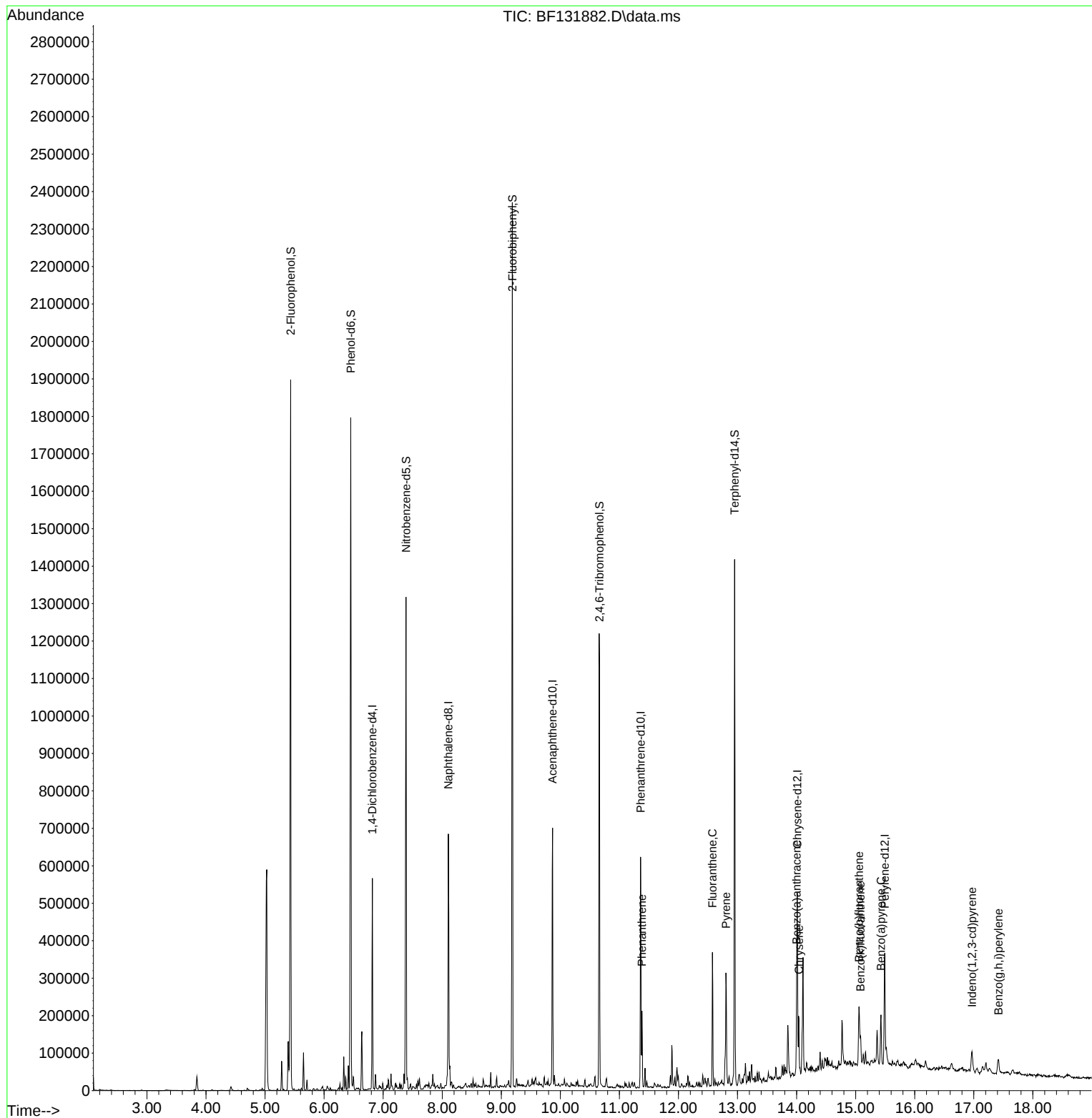
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122922\
Data File : BF131882.D
Acq On : 29 Dec 2022 17:20
Operator : CG\JU
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ALS Vial : 10 Sample Multiplier: 1

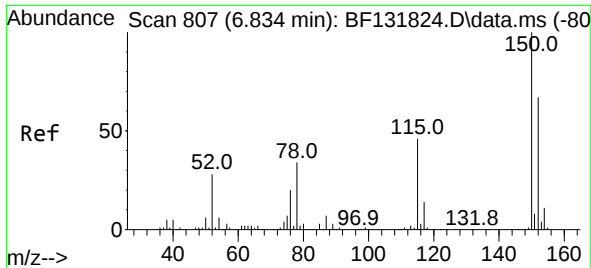
Instrument :
BNA_F
ClientSampleId :
TP-1

Quant Time: Dec 30 02:11:06 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Manual Integrations
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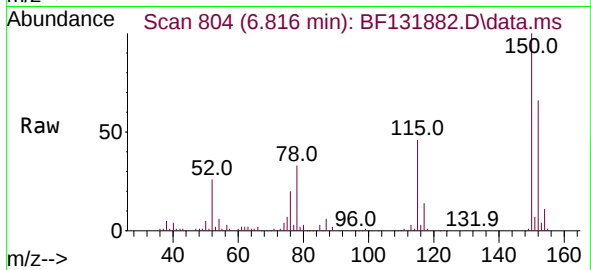
Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 807
Delta R.T. 0.000 min
Lab File: BF131882.D
Acq: 29 Dec 2022 17:20

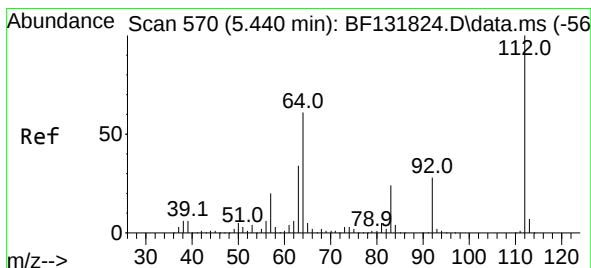
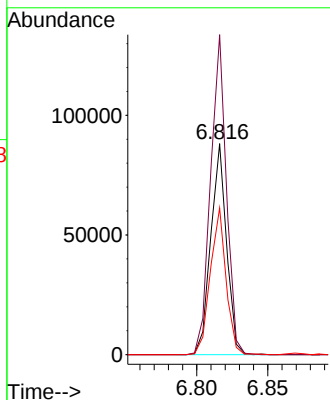
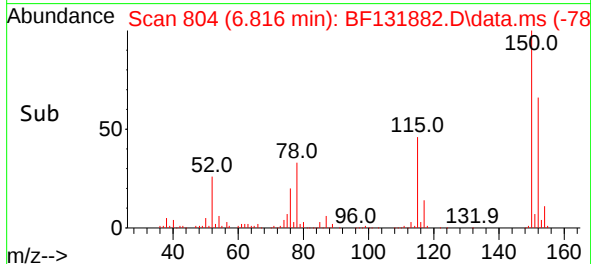
Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion:152 Resp: 68311
Ion Ratio Lower Upper
152 100
150 151.7 120.0 180.0
115 69.6 55.1 82.7

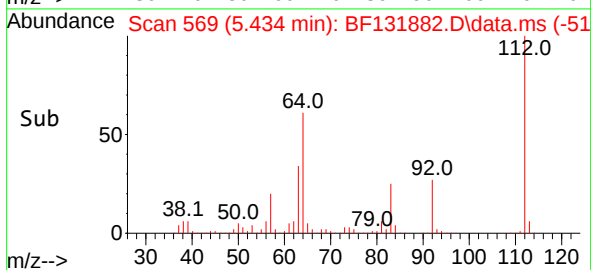
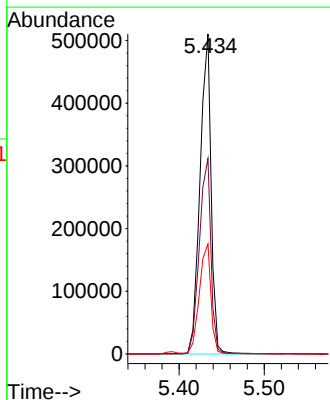
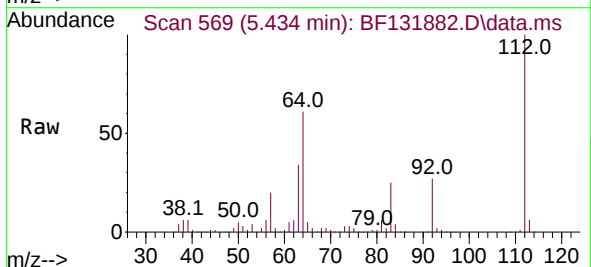
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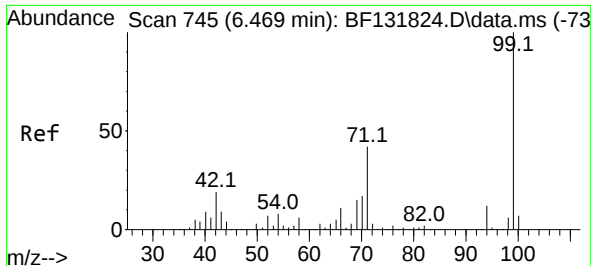
Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022



#5
2-Fluorophenol
Concen: 111.677 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.012 min
Lab File: BF131882.D
Acq: 29 Dec 2022 17:20

Tgt Ion:112 Resp: 460337
Ion Ratio Lower Upper
112 100
64 61.0 49.2 73.8
63 34.4 27.5 41.3





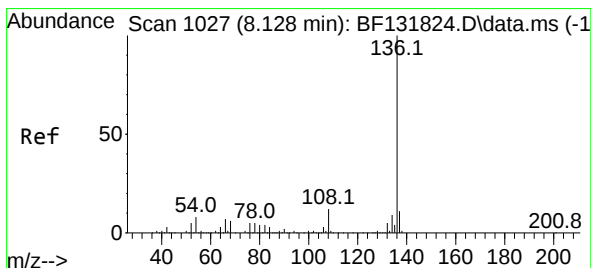
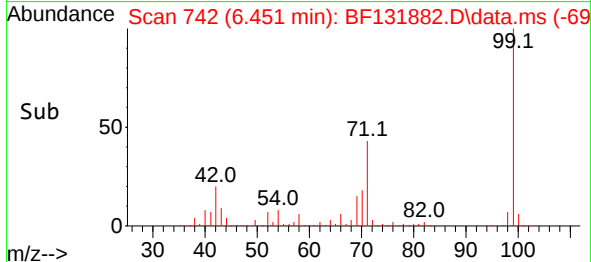
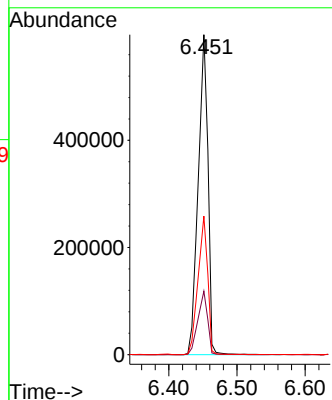
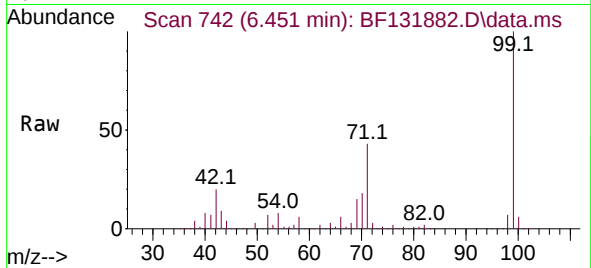
#7
Phenol-d6
Concen: 109.709 ng
RT: 6.451 min Scan# 745
Delta R.T. -0.000 min
Lab File: BF131882.D
Acq: 29 Dec 2022 17:20

Instrument :
BNA_F
Client SampleId :
TP-1

Tgt Ion: 99 Resp: 594140
Ion Ratio Lower Upper
99 100
42 19.8 15.3 22.9
71 43.3 33.5 50.3

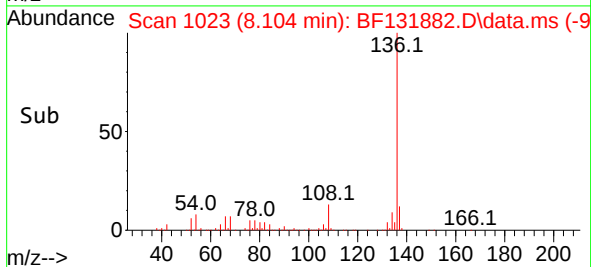
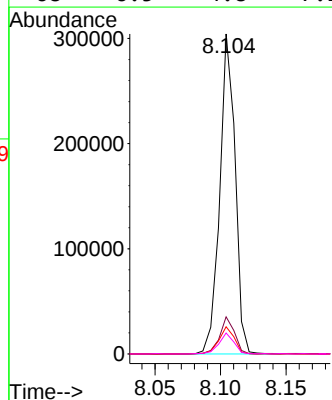
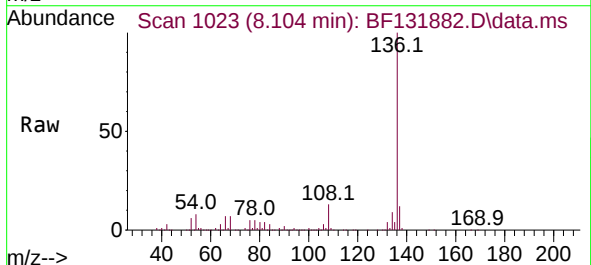
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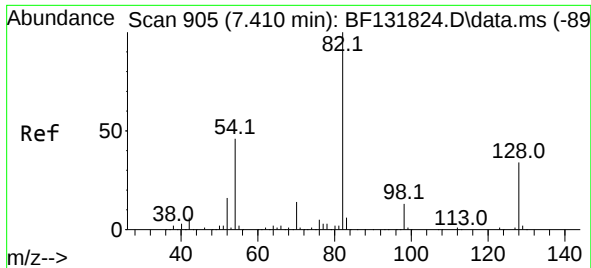
Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF131882.D
Acq: 29 Dec 2022 17:20

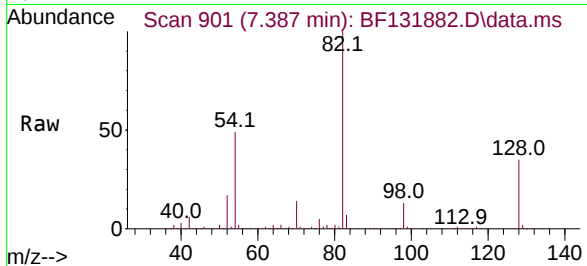
Tgt Ion:136 Resp: 249260
Ion Ratio Lower Upper
136 100
137 11.6 8.6 12.8
54 8.5 6.7 10.1
68 6.5 4.8 7.2





#23
Nitrobenzene-d5
Concen: 69.054 ng
RT: 7.387 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF131882.D
Acq: 29 Dec 2022 17:20

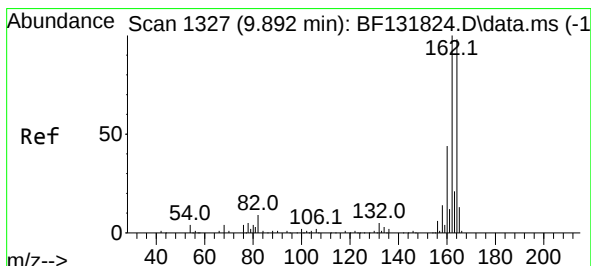
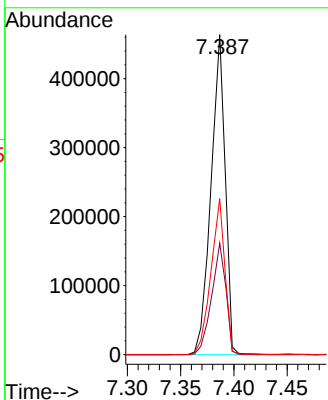
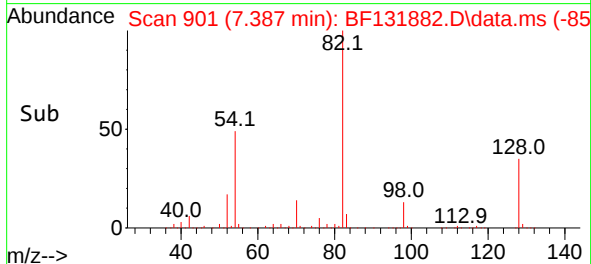
Instrument :
BNA_F
Client SampleId :
TP-1



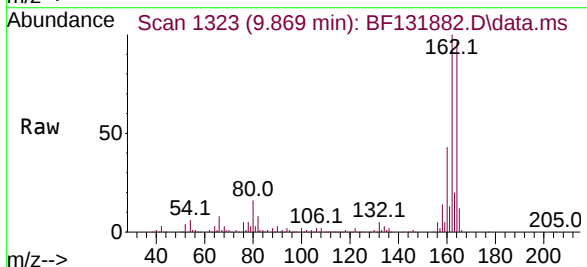
Tgt Ion: 82 Resp: 431112
Ion Ratio Lower Upper
82 100
128 34.8 27.1 40.7
54 48.7 37.0 55.6

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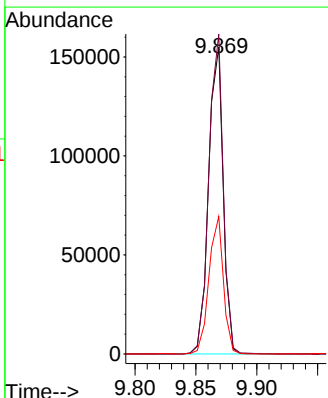
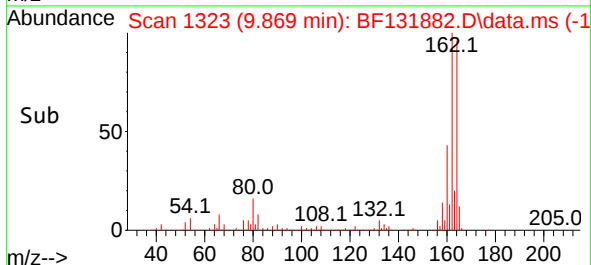
Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022

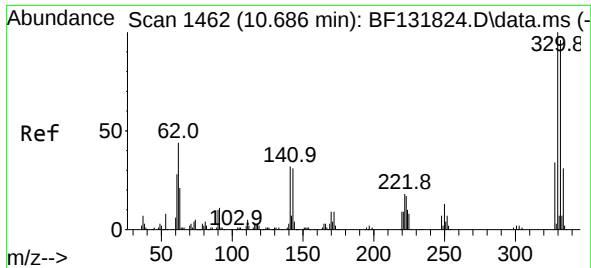


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF131882.D
Acq: 29 Dec 2022 17:20



Tgt Ion:164 Resp: 129424
Ion Ratio Lower Upper
164 100
162 104.3 81.8 122.6
160 44.8 35.7 53.5





#42
2,4,6-Tribromophenol
Concen: 91.821 ng
RT: 10.663 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF131882.D
Acq: 29 Dec 2022 17:20

Instrument :

BNA_F

ClientSampleId :

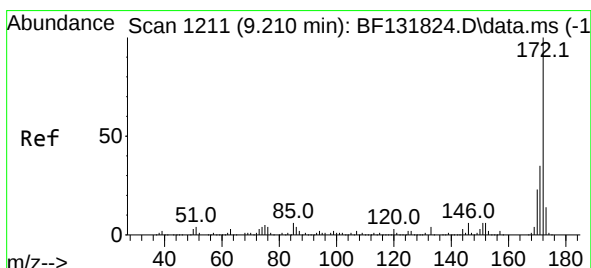
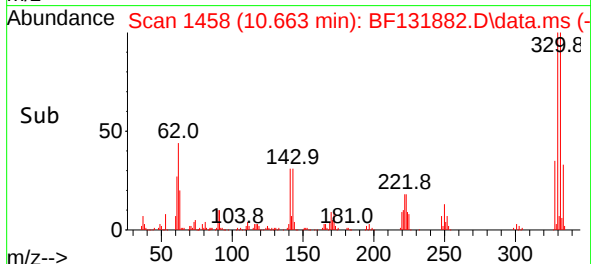
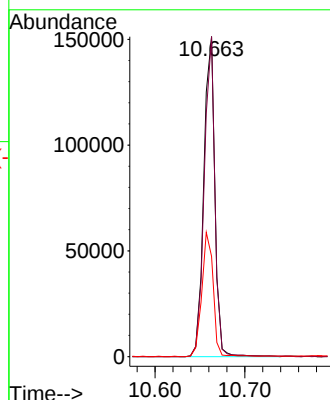
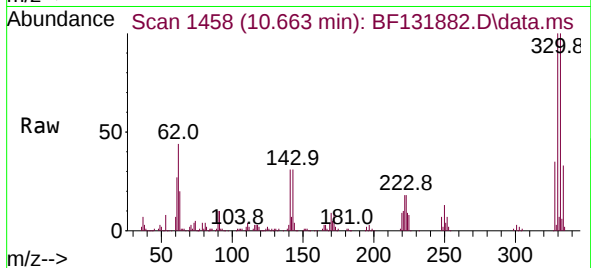
TP-1

Tgt Ion:330 Resp: 129119
Ion Ratio Lower Upper
330 100
332 96.1 77.0 115.4
141 40.0 31.0 46.4

Manual Integrations

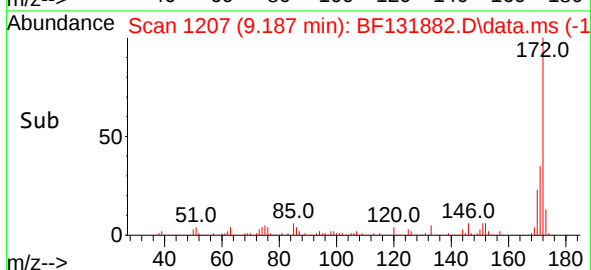
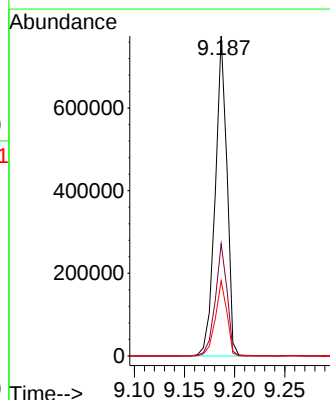
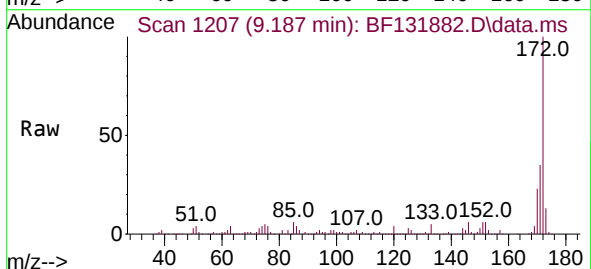
APPROVED

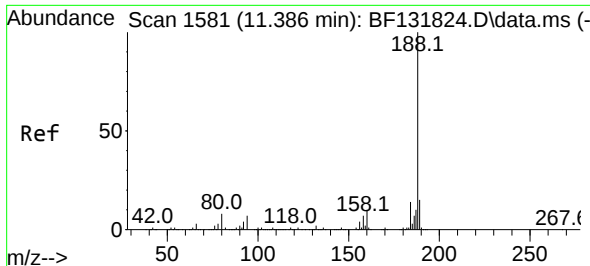
Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022



#45
2-Fluorobiphenyl
Concen: 66.577 ng
RT: 9.187 min Scan# 1207
Delta R.T. -0.006 min
Lab File: BF131882.D
Acq: 29 Dec 2022 17:20

Tgt Ion:172 Resp: 629075
Ion Ratio Lower Upper
172 100
171 35.0 27.9 41.9
170 23.5 18.7 28.1





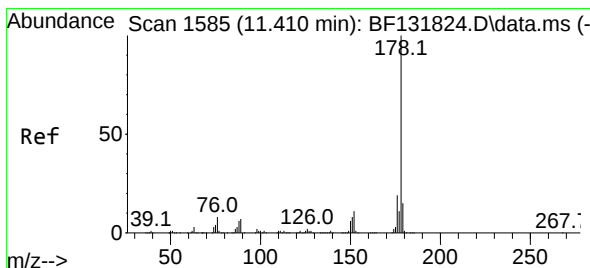
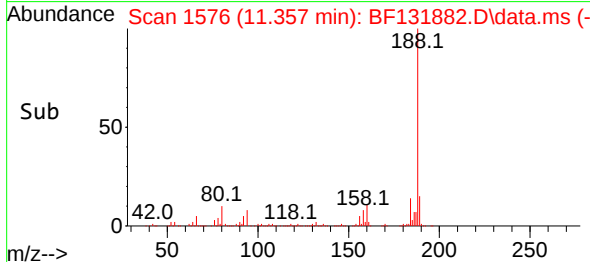
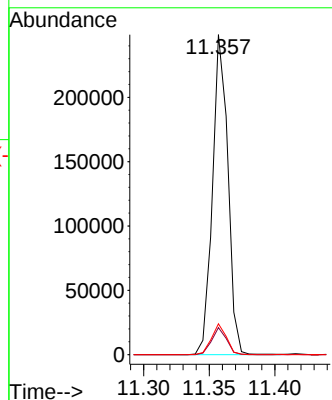
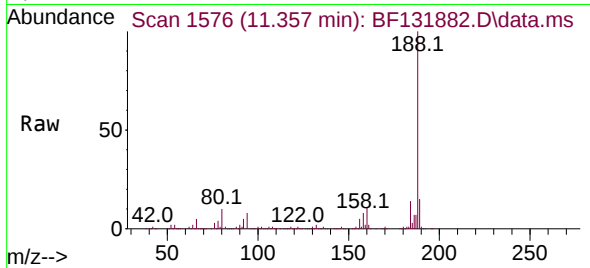
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF131882.D
Acq: 29 Dec 2022 17:20

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:188 Resp: 202449
Ion Ratio Lower Upper
188 100
94 8.5 5.8 8.6
80 9.6 6.7 10.1

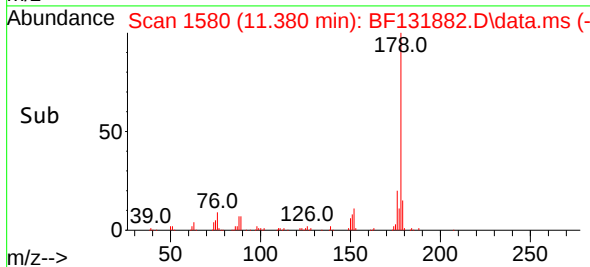
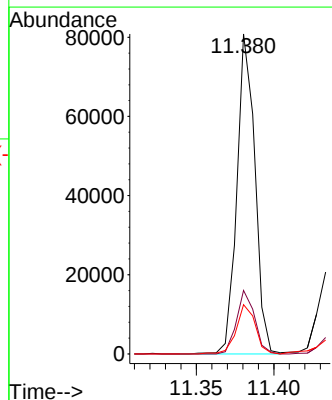
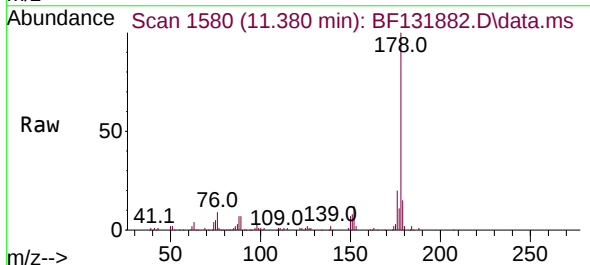
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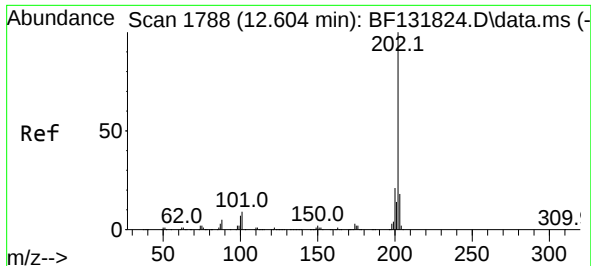
Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022



#71
Phenanthrene
Concen: 5.872 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF131882.D
Acq: 29 Dec 2022 17:20

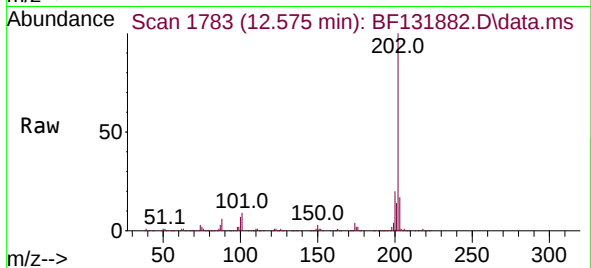
Tgt Ion:178 Resp: 65377
Ion Ratio Lower Upper
178 100
176 19.8 15.5 23.3
179 15.4 12.2 18.4





#75
Fluoranthene
Concen: 10.039 ng
RT: 12.575 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131882.D
Acq: 29 Dec 2022 17:20

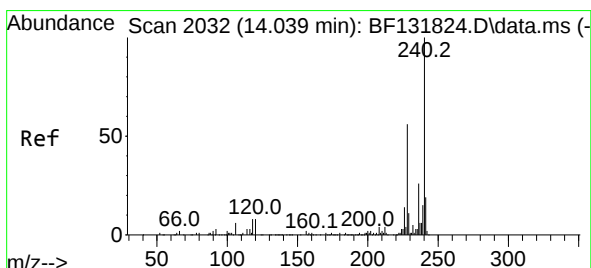
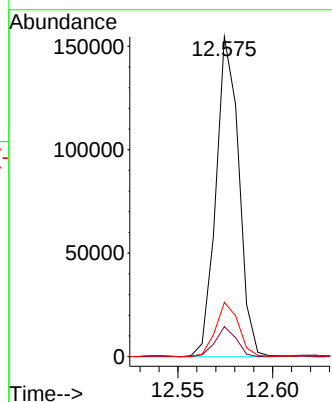
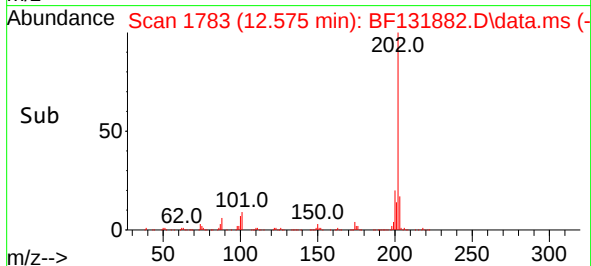
Instrument :
BNA_F
ClientSampleId :
TP-1



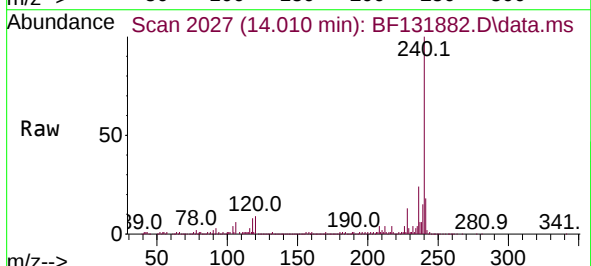
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Ion Ratio Lower Upper
202 100
101 9.4 0.0 28.6
203 16.9 0.0 37.8

Manual Integrations
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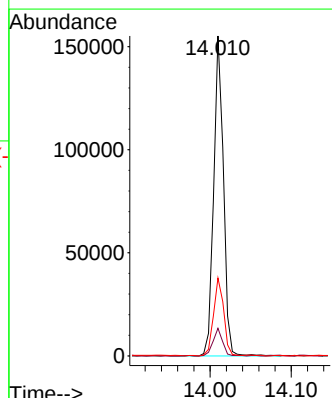
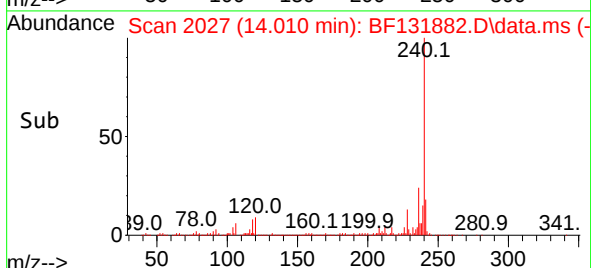
Reviewed By :Jagrut Upadhyay 12/30/2022
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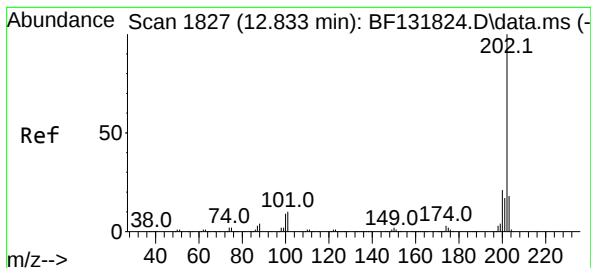


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF131882.D
Acq: 29 Dec 2022 17:20



Tgt Ion:240 Resp: 130086
Ion Ratio Lower Upper
240 100
120 8.6 6.7 10.1
236 24.3 20.6 31.0





#78

Pyrene

Concen: 11.143 ng

RT: 12.804 min Scan# 1822

Delta R.T. -0.012 min

Lab File: BF131882.D

Acq: 29 Dec 2022 17:20

Instrument :

BNA_F

ClientSampleId :

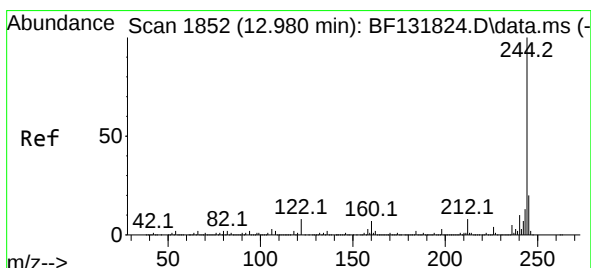
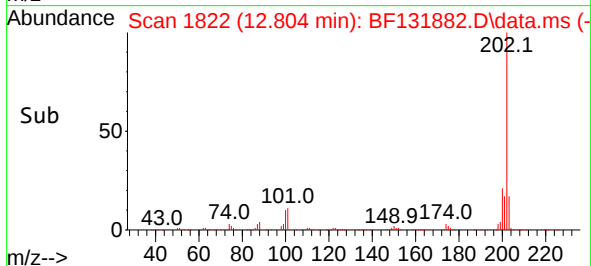
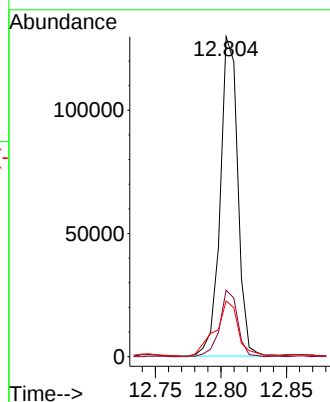
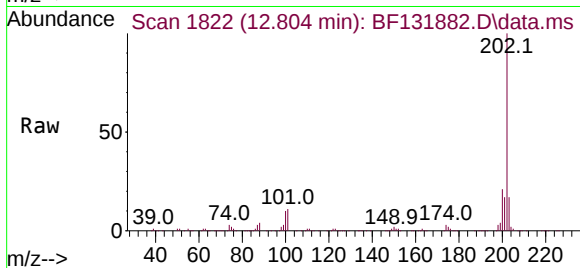
TP-1

Tgt Ion:	202	Resp:	121495
Ion Ratio	Lower	Upper	
202	100		
200	20.8	16.7	25.1
203	17.4	14.4	21.6

Manual Integrations

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#79

Terphenyl-d14

Concen: 57.577 ng

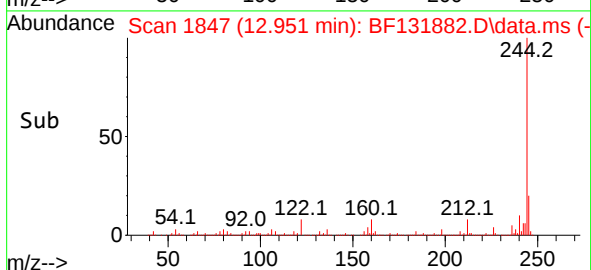
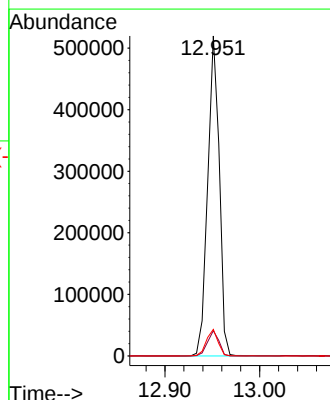
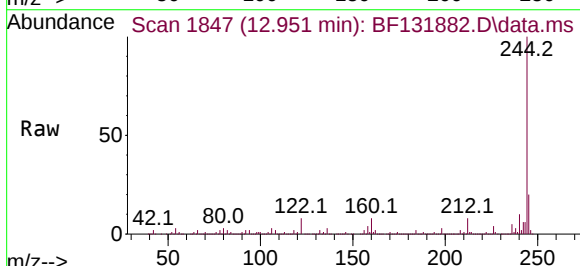
RT: 12.951 min Scan# 1847

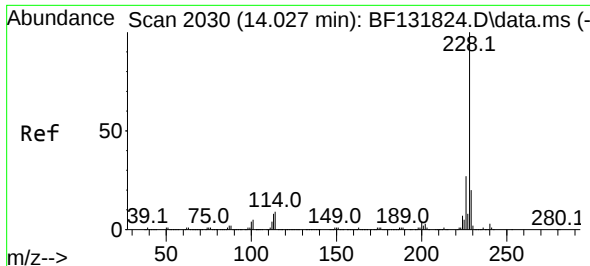
Delta R.T. -0.006 min

Lab File: BF131882.D

Acq: 29 Dec 2022 17:20

Tgt Ion:	244	Resp:	442795
Ion Ratio	Lower	Upper	
244	100		
212	7.9	6.3	9.5
122	8.3	6.4	9.6





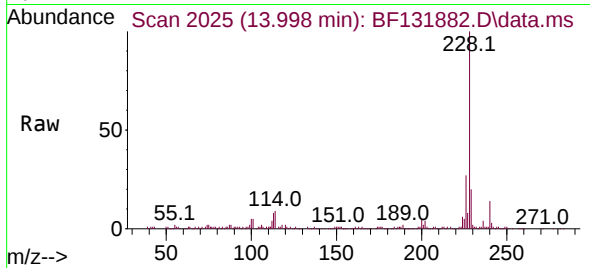
#81
Benzo(a)anthracene
Concen: 7.726 ng
RT: 13.998 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF131882.D
Acq: 29 Dec 2022 17:20

Instrument :

BNA_F

ClientSampleId :

TP-1

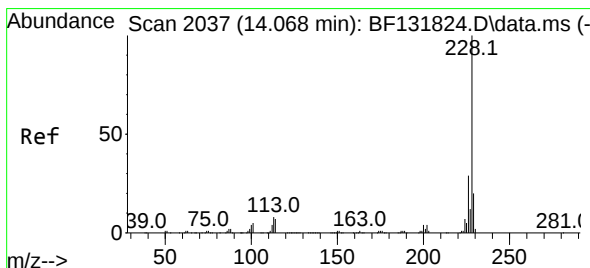
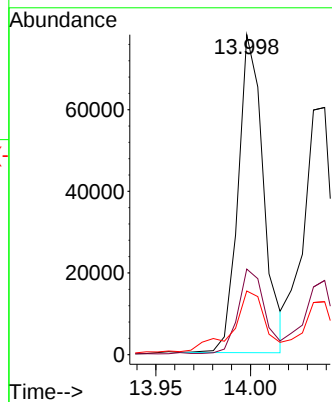
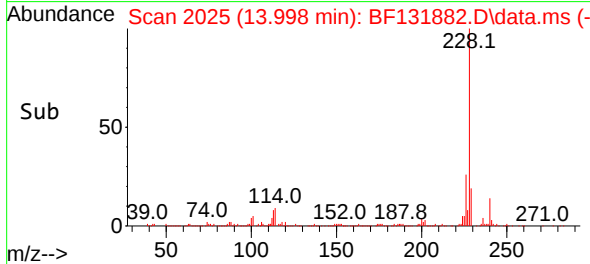


Tgt Ion:228 Resp: 72768
Ion Ratio Lower Upper
228 100
226 26.7 22.0 33.0
229 19.9 16.0 24.0

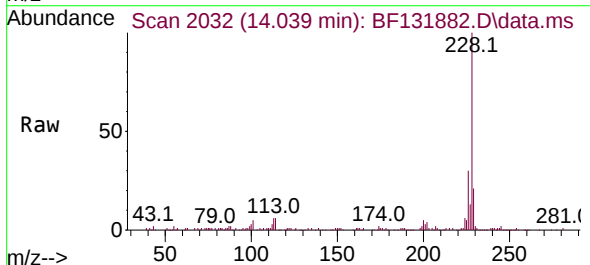
Manual Integrations

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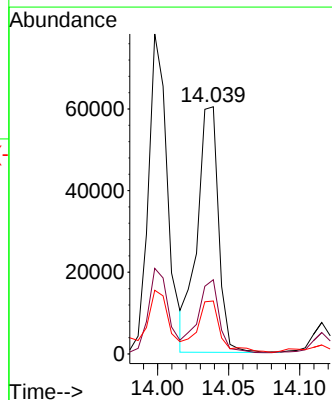
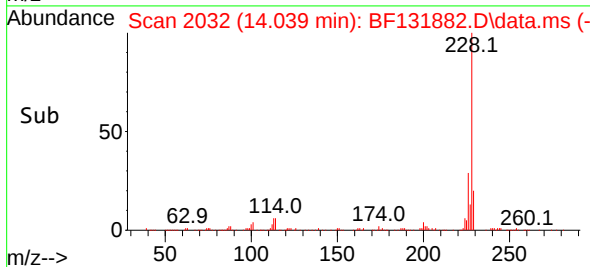
Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022

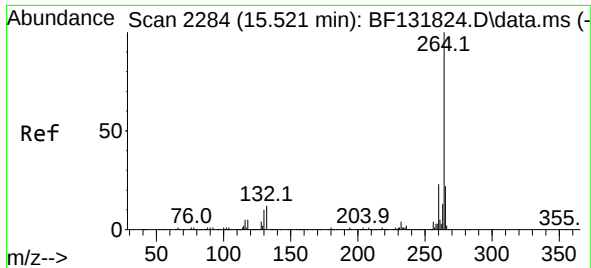


#83
Chrysene
Concen: 7.157 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF131882.D
Acq: 29 Dec 2022 17:20



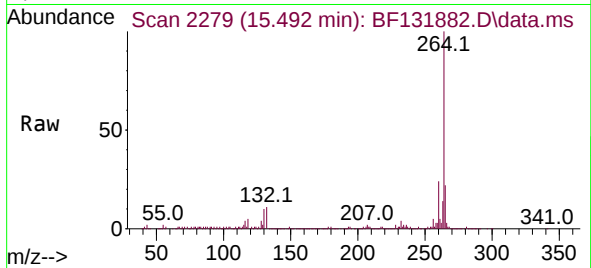
Tgt Ion:228 Resp: 63343
Ion Ratio Lower Upper
228 100
226 30.0 23.5 35.3
229 21.4 16.2 24.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF131882.D
Acq: 29 Dec 2022 17:20

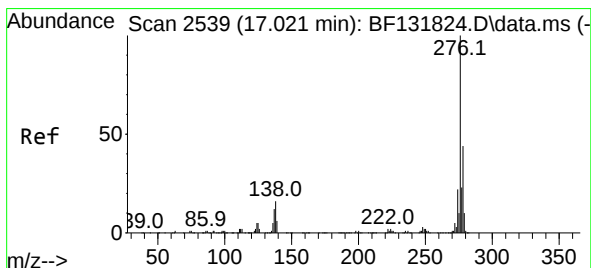
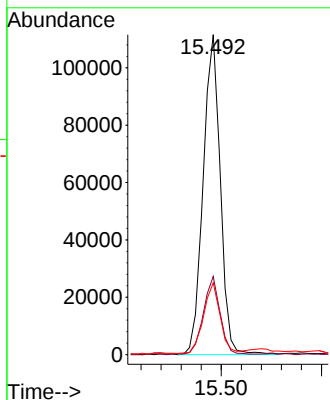
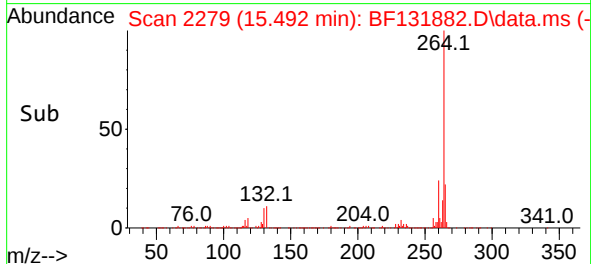
Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion:264 Resp: 132139
Ion Ratio Lower Upper
264 100
260 24.4 18.6 28.0
265 22.4 17.4 26.0

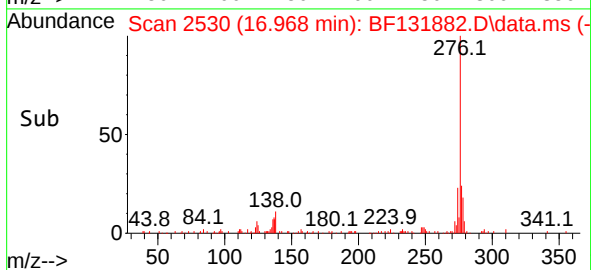
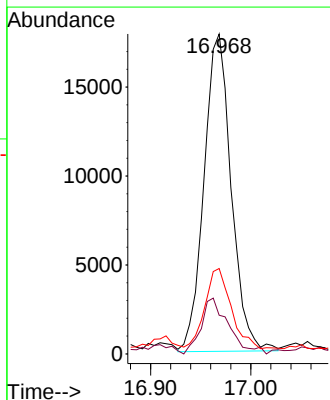
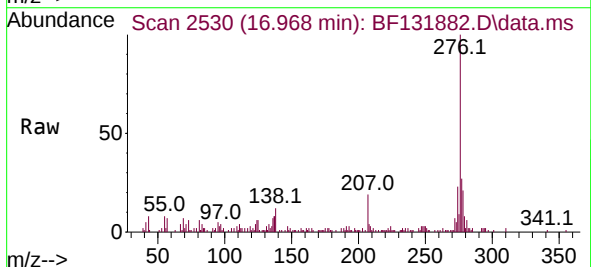
Manual Integrations
APPROVED

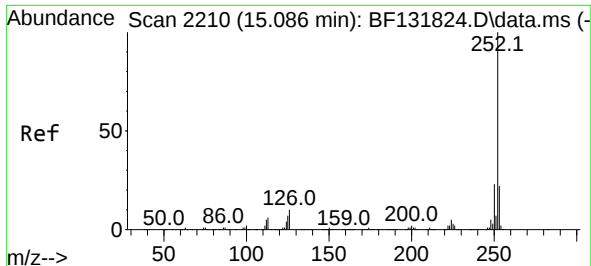
Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.012 ng
RT: 16.968 min Scan# 2530
Delta R.T. -0.012 min
Lab File: BF131882.D
Acq: 29 Dec 2022 17:20

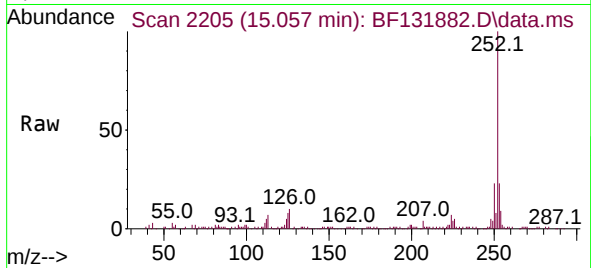
Tgt Ion:276 Resp: 33680
Ion Ratio Lower Upper
276 100
138 17.6 14.5 21.7
277 24.2 19.7 29.5





#88
Benzo(b)fluoranthene
Concen: 8.999 ng m
RT: 15.057 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF131882.D
Acq: 29 Dec 2022 17:20

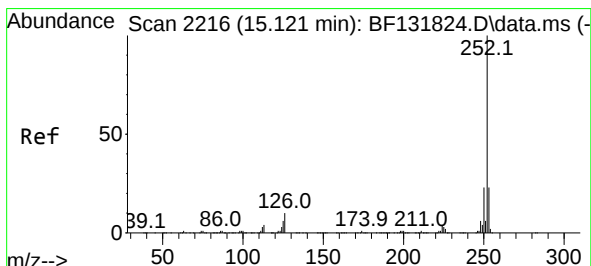
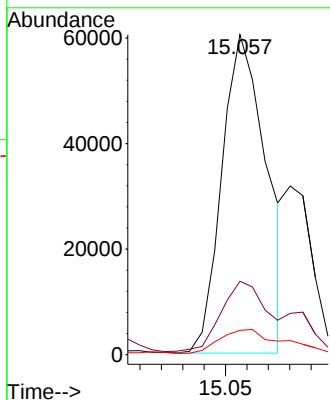
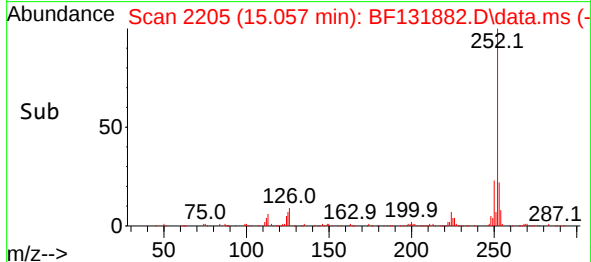
Instrument :
BNA_F
ClientSampleId :
TP-1



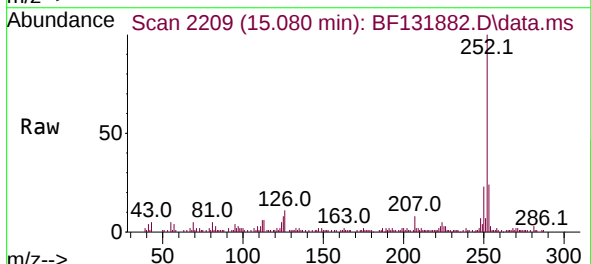
Tgt Ion:252 Resp: 87192
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 7.6 5.8 8.8

Manual Integrations
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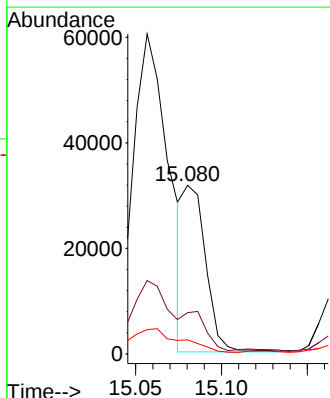
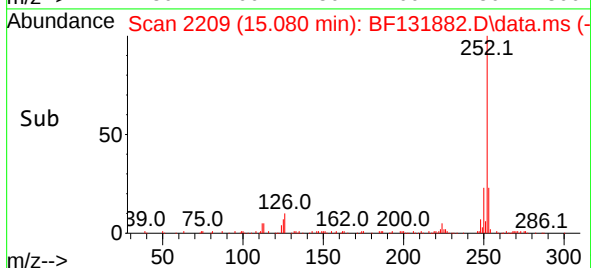
Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022

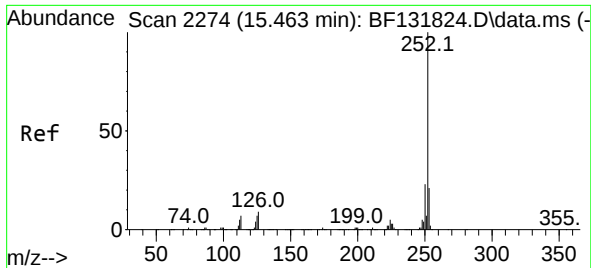


#89
Benzo(k)fluoranthene
Concen: 3.063 ng m
RT: 15.080 min Scan# 2209
Delta R.T. -0.012 min
Lab File: BF131882.D
Acq: 29 Dec 2022 17:20



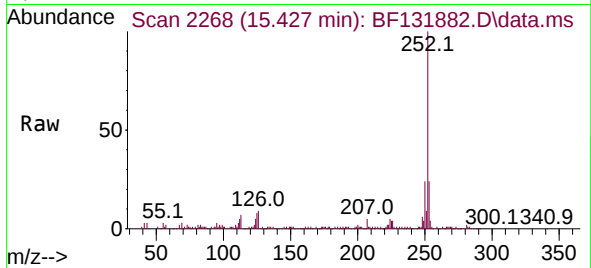
Tgt Ion:252 Resp: 28674
Ion Ratio Lower Upper
252 100
253 24.4 17.7 26.5
125 8.3 5.4 8.0#





#90
Benzo(a)pyrene
Concen: 8.684 ng
RT: 15.427 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF131882.D
Acq: 29 Dec 2022 17:20

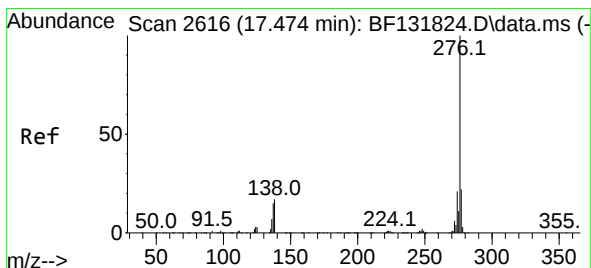
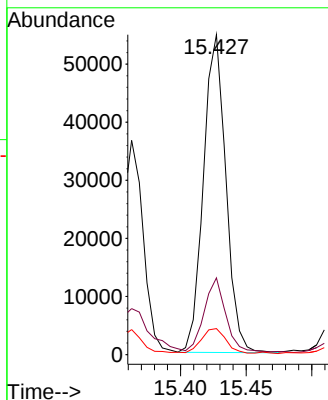
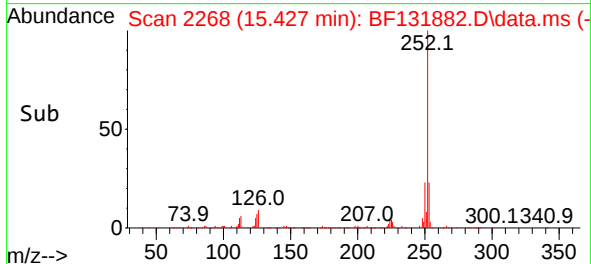
Instrument :
BNA_F
ClientSampleId :
TP-1



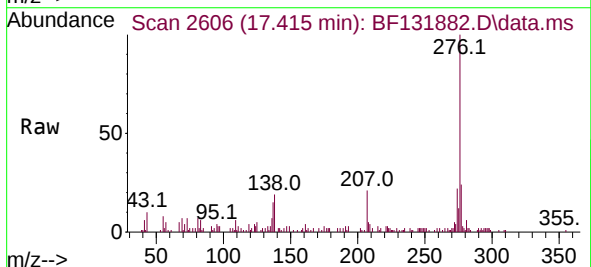
Tgt Ion:252 Resp: 65139
Ion Ratio Lower Upper
252 100
253 24.0 16.6 24.8
125 8.1 5.8 8.8

Manual Integrations
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Reviewed By :Jagrut Upadhyay 12/30/2022
Supervised By :Yogesh Patel 12/30/2022



#92
Benzo(g,h,i)perylene
Concen: 8.633 ng
RT: 17.415 min Scan# 2606
Delta R.T. -0.012 min
Lab File: BF131882.D
Acq: 29 Dec 2022 17:20



Tgt Ion:276 Resp: 30913
Ion Ratio Lower Upper
276 100
277 24.1 17.9 26.9
138 19.1 13.7 20.5

