

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090123\
 Data File : BF135070.D
 Acq On : 01 Sep 2023 11:58
 Operator : CG\JU
 Sample : 04219-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11939

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/04/2023
 Supervised By :mohammad ahmed 09/04/2023

Quant Time: Sep 01 12:34:16 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 31 03:48:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	93276	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	364311	20.000	ng	0.00
39) Acenaphthene-d10	9.804	164	161002	20.000	ng	-0.01
64) Phenanthrene-d10	11.298	188	261539	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	219942	20.000	ng	0.00
86) Perylene-d12	15.427	264	228801	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	689134	114.118	ng	0.00
7) Phenol-d6	6.410	99	831450	110.463	ng	0.00
23) Nitrobenzene-d5	7.334	82	522967	80.647	ng	-0.01
42) 2,4,6-Tribromophenol	10.598	330	166602	97.548	ng	-0.01
45) 2-Fluorobiphenyl	9.128	172	840400	84.984	ng	-0.01
79) Terphenyl-d14	12.898	244	767667	56.958	ng	0.00
Target Compounds						Qvalue
70) Pentachlorophenol	11.104	266	6730	3.878	ng	97
71) Phenanthrene	11.322	178	159368	11.811	ng	98
72) Anthracene	11.375	178	41513	3.011	ng	98
75) Fluoranthene	12.522	202	430471	31.555	ng	98
78) Pyrene	12.751	202	334756	16.030	ng	99
81) Benzo(a)anthracene	13.945	228	171405	11.425	ng	94
83) Chrysene	13.980	228	209108	14.182	ng	98
84) Bis(2-ethylhexyl)phtha...	13.945	149	29209	3.741	ng	98
87) Indeno(1,2,3-cd)pyrene	16.898	276	98142	6.368	ng	# 92
88) Benzo(b)fluoranthene	14.998	252	307678m	21.612	ng	
89) Benzo(k)fluoranthene	15.021	252	91565m	6.658	ng	
90) Benzo(a)pyrene	15.363	252	172762	13.063	ng	98
92) Benzo(g,h,i)perylene	17.345	276	106986	8.241	ng	98

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

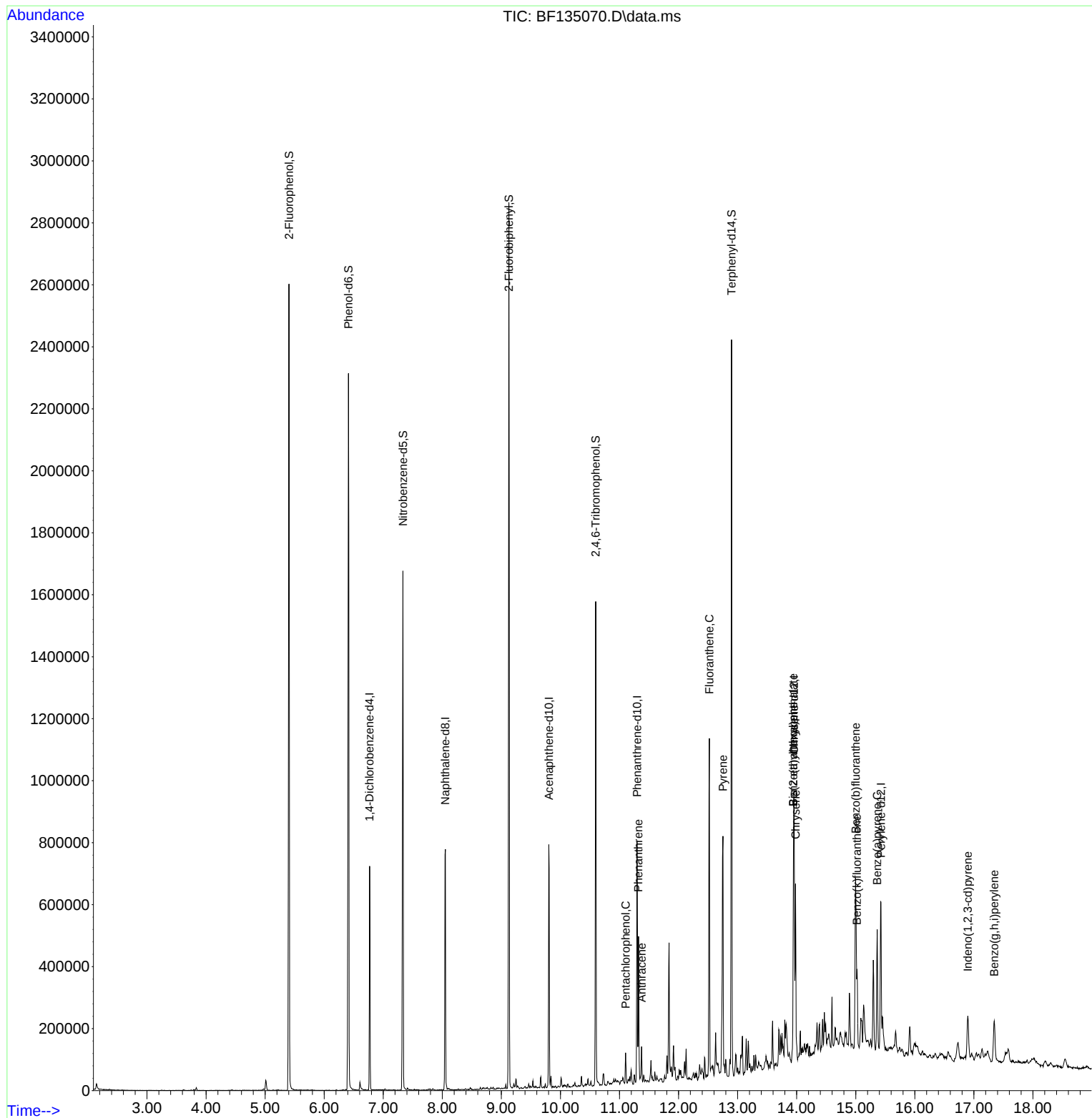
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090123\
Data File : BF135070.D
Acq On : 01 Sep 2023 11:58
Operator : CG\JU
Sample : 04219-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

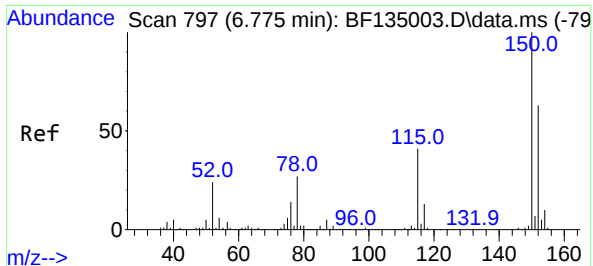
Instrument :
BNA_F
ClientSampleId :
72-11939

Quant Time: Sep 01 12:34:16 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 31 03:48:08 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

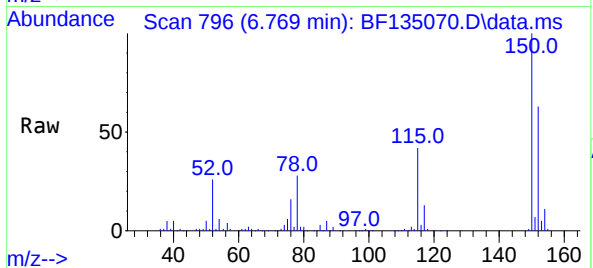
Reviewed By :Yogesh Patel 09/04/2023
Supervised By :mohammad ahmed 09/04/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF135070.D
Acq: 01 Sep 2023 11:58

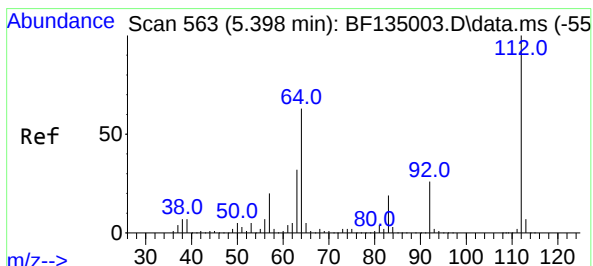
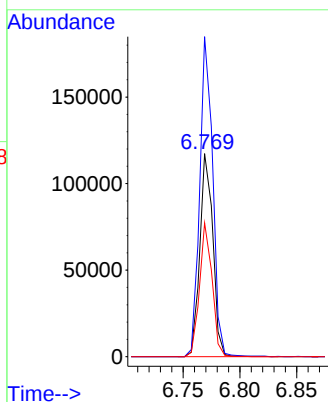
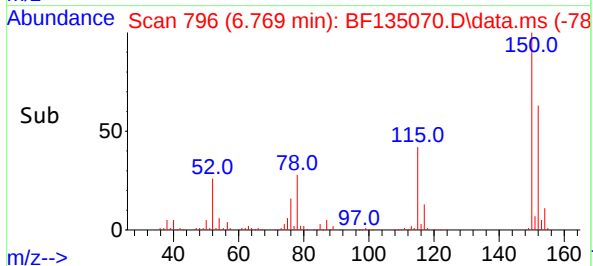
Instrument :
BNA_F
ClientSampleId :
72-11939



Tgt Ion:152 Resp: 93270
Ion Ratio Lower Upper
152 100
150 157.6 126.2 189.4
115 65.9 51.2 76.8

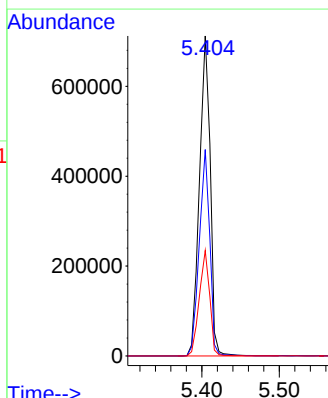
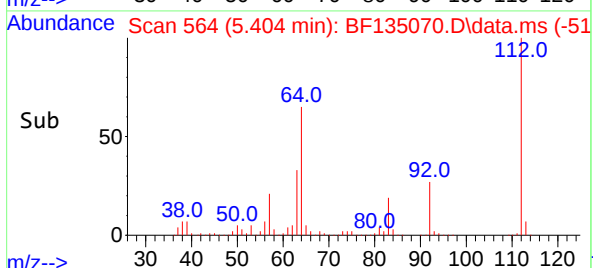
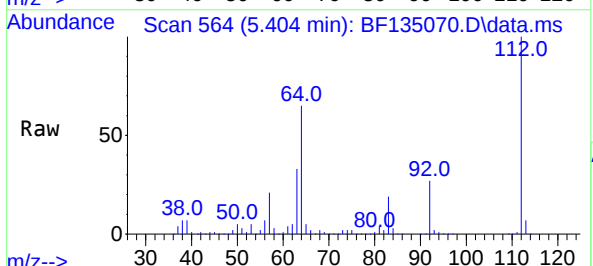
Manual Integrations
APPROVED

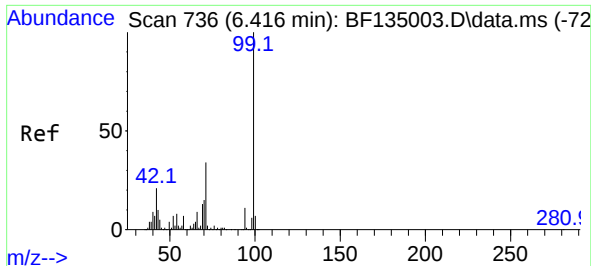
Reviewed By :Yogesh Patel 09/04/2023
Supervised By :mohammad ahmed 09/04/2023



#5
2-Fluorophenol
Concen: 114.118 ng
RT: 5.404 min Scan# 564
Delta R.T. 0.006 min
Lab File: BF135070.D
Acq: 01 Sep 2023 11:58

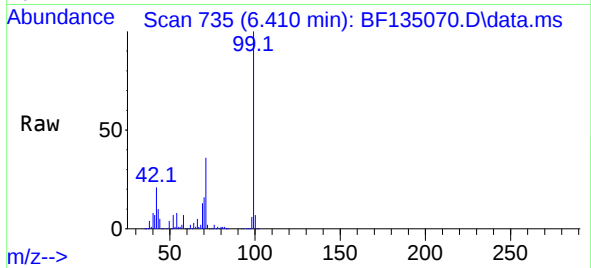
Tgt Ion:112 Resp: 689134
Ion Ratio Lower Upper
112 100
64 64.5 50.5 75.7
63 33.0 25.9 38.9





#7
Phenol-d6
Concen: 110.463 ng
RT: 6.410 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135070.D
Acq: 01 Sep 2023 11:58

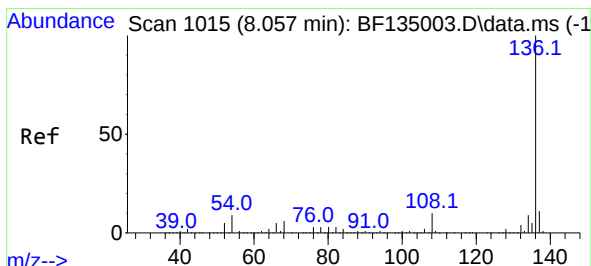
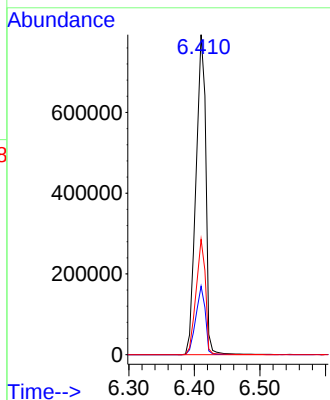
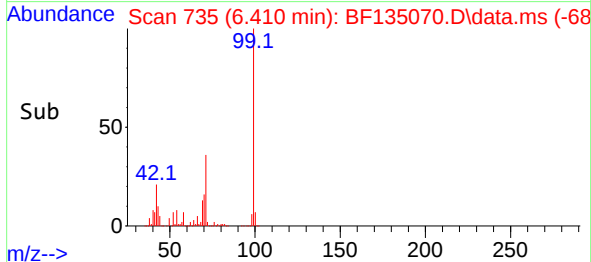
Instrument :
BNA_F
ClientSampleId :
72-11939



Tgt Ion: 99 Resp: 831450
Ion Ratio Lower Upper
99 100
42 21.4 16.6 25.0
71 36.1 27.0 40.6

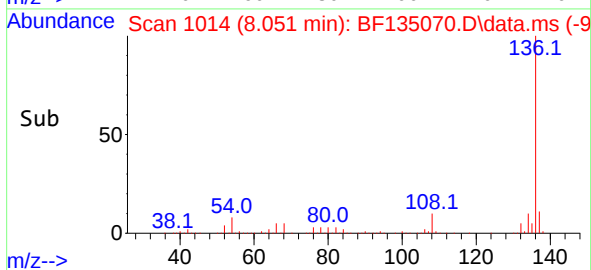
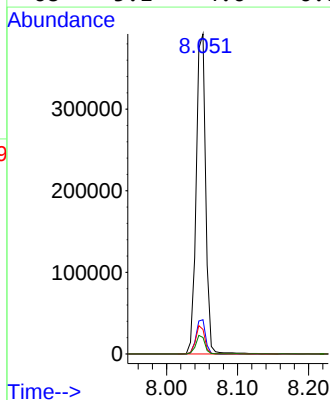
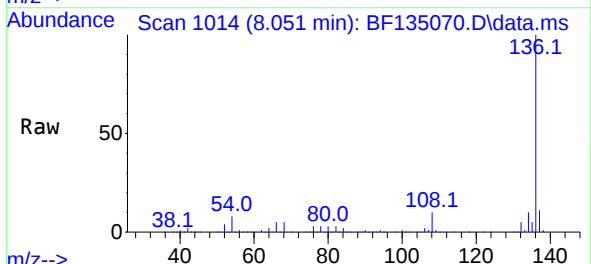
Manual Integrations
APPROVED

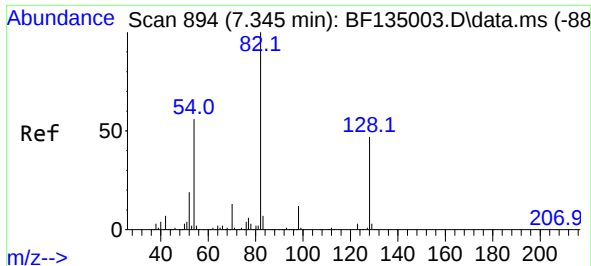
Reviewed By :Yogesh Patel 09/04/2023
Supervised By :mohammad ahmed 09/04/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.051 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF135070.D
Acq: 01 Sep 2023 11:58

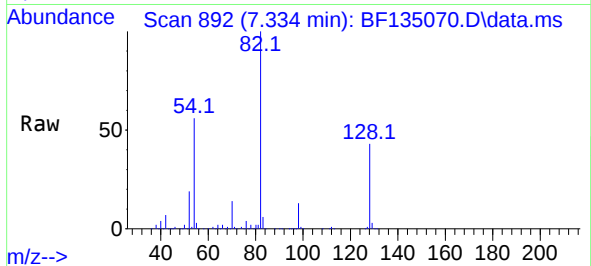
Tgt Ion:136 Resp: 364311
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 7.6 7.0 10.4
68 5.1 4.6 6.8





#23
Nitrobenzene-d5
Concen: 80.647 ng
RT: 7.334 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF135070.D
Acq: 01 Sep 2023 11:58

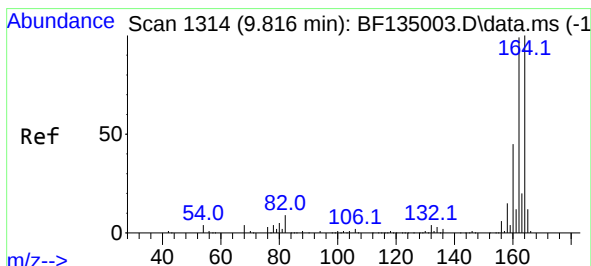
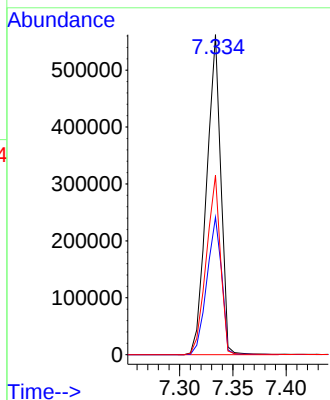
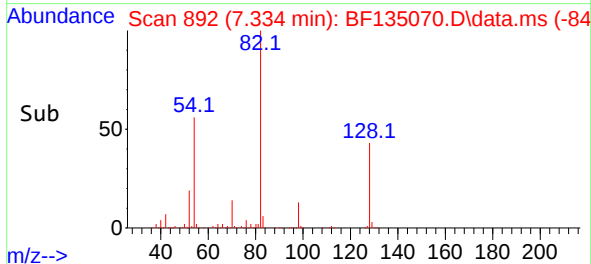
Instrument :
BNA_F
ClientSampleId :
72-11939



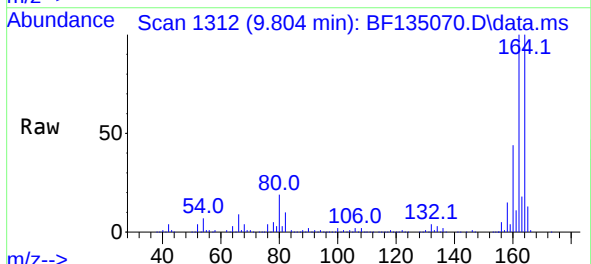
Tgt Ion: 82 Resp: 52296
Ion Ratio Lower Upper
82 100
128 42.9 37.8 56.8
54 56.1 45.0 67.6

Manual Integrations
APPROVED

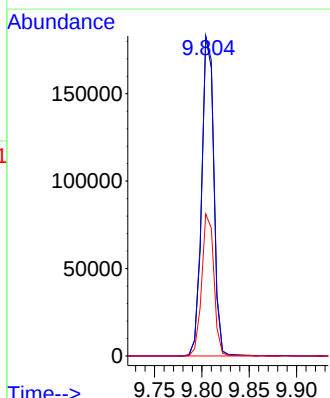
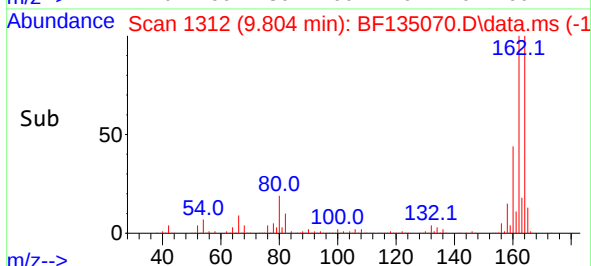
Reviewed By :Yogesh Patel 09/04/2023
Supervised By :mohammad ahmed 09/04/2023

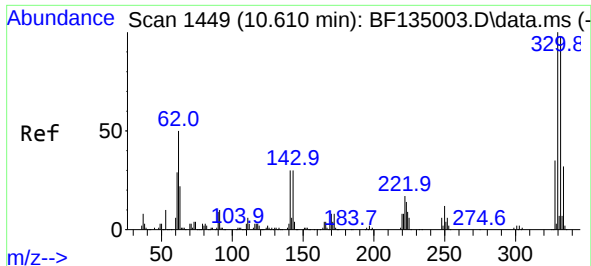


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.804 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF135070.D
Acq: 01 Sep 2023 11:58



Tgt Ion:164 Resp: 161002
Ion Ratio Lower Upper
164 100
162 100.3 79.5 119.3
160 44.5 36.0 54.0





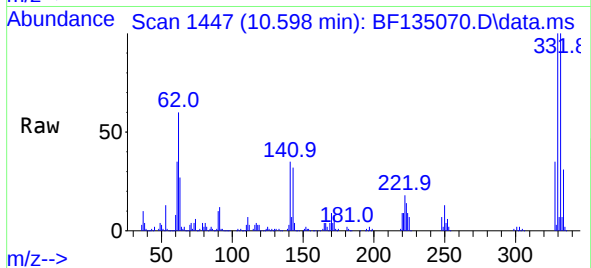
#42
2,4,6-Tribromophenol
Concen: 97.548 ng
RT: 10.598 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF135070.D
Acq: 01 Sep 2023 11:58

Instrument :

BNA_F

ClientSampleId :

72-11939

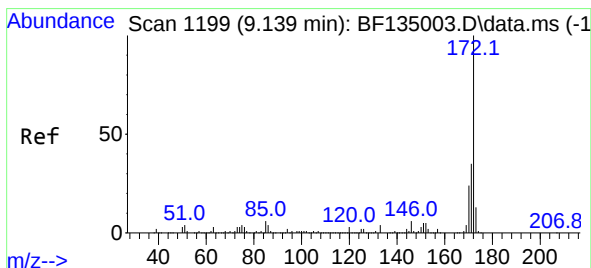
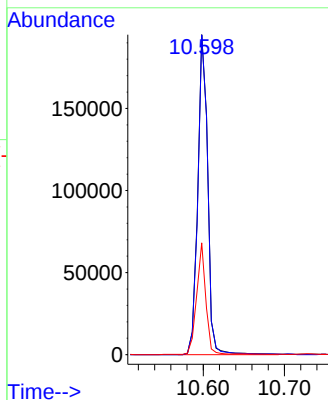
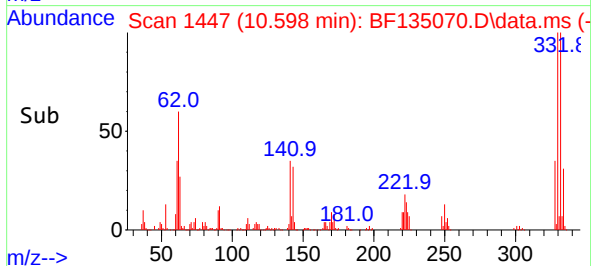


Tgt Ion:330 Resp: 166602
Ion Ratio Lower Upper
330 100
332 99.3 77.6 116.4
141 32.6 26.3 39.5

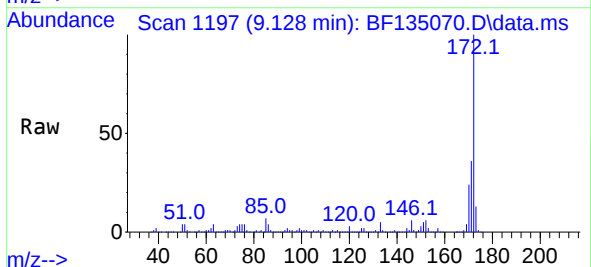
Manual Integrations

APPROVED

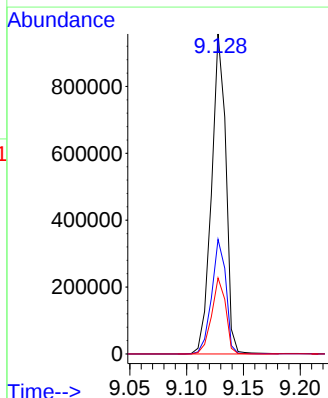
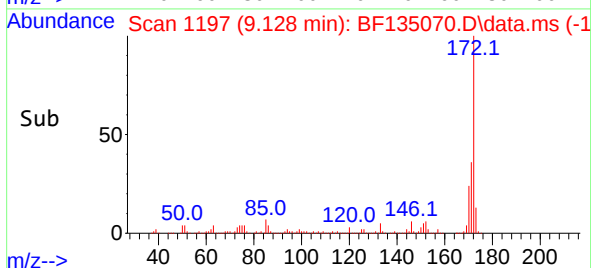
Reviewed By :Yogesh Patel 09/04/2023
Supervised By :mohammad ahmed 09/04/2023

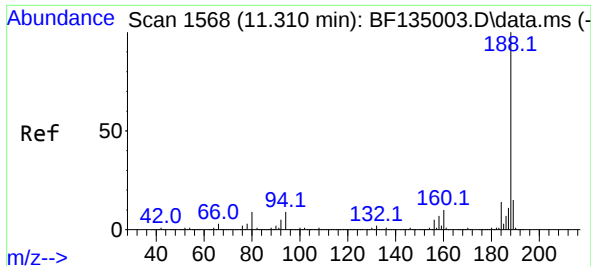


#45
2-Fluorobiphenyl
Concen: 84.984 ng
RT: 9.128 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF135070.D
Acq: 01 Sep 2023 11:58



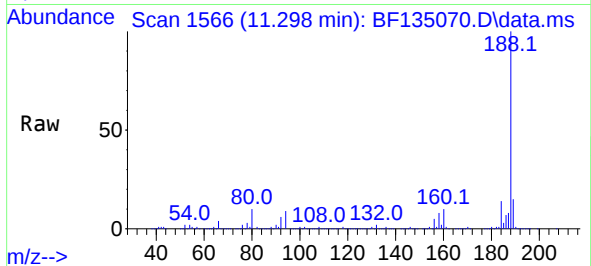
Tgt Ion:172 Resp: 840400
Ion Ratio Lower Upper
172 100
171 35.8 28.2 42.2
170 23.7 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 11298
Delta R.T. -0.012 min
Lab File: BF135070.D
Acq: 01 Sep 2023 11:58

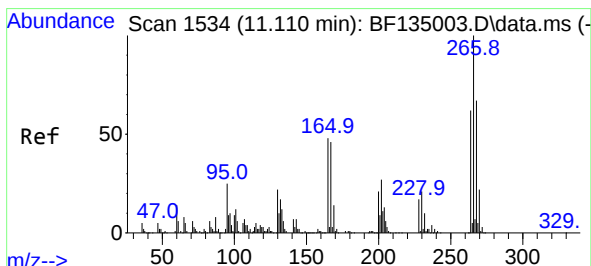
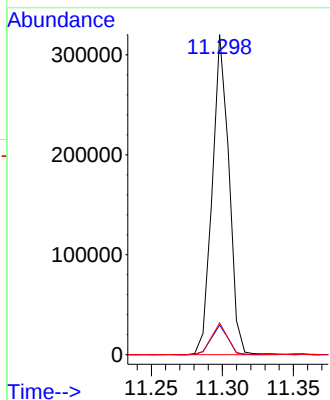
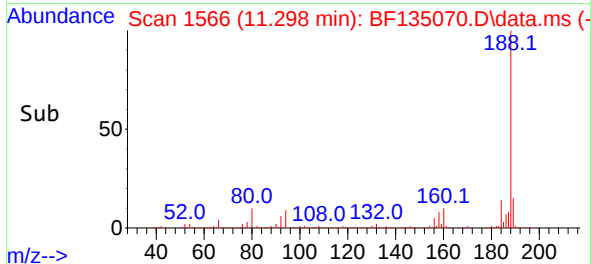
Instrument :
BNA_F
ClientSampleId :
72-11939



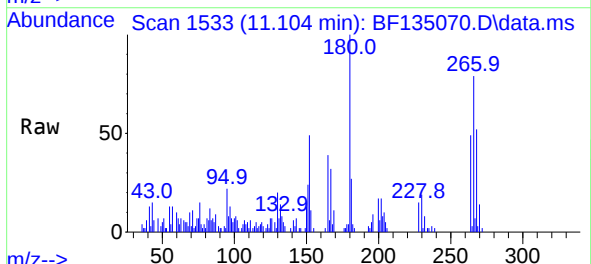
Tgt Ion:188 Resp: 261539
Ion Ratio Lower Upper
188 100
94 9.3 7.0 10.4
80 10.0 7.4 11.2

Manual Integrations
APPROVED

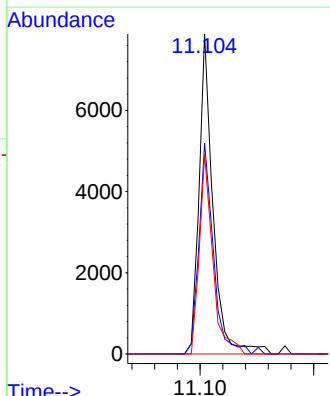
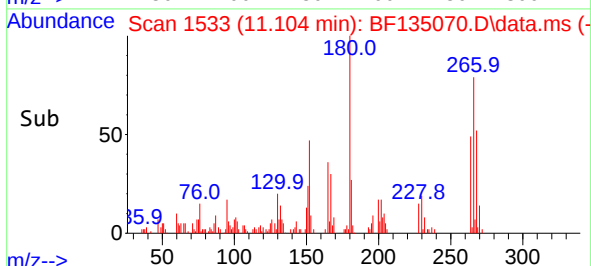
Reviewed By :Yogesh Patel 09/04/2023
Supervised By :mohammad ahmed 09/04/2023

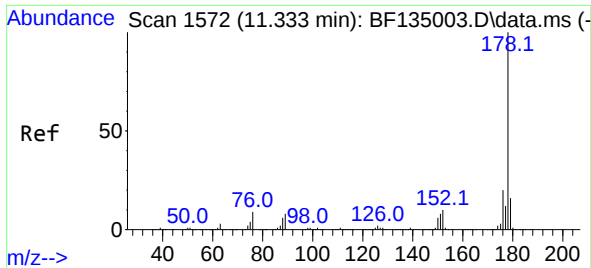


#70
Pentachlorophenol
Concen: 3.878 ng
RT: 11.104 min Scan# 1533
Delta R.T. -0.006 min
Lab File: BF135070.D
Acq: 01 Sep 2023 11:58



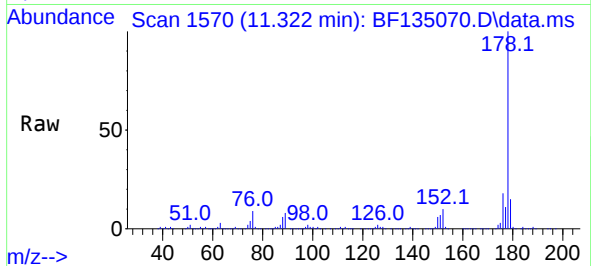
Tgt Ion:266 Resp: 6730
Ion Ratio Lower Upper
266 100
268 69.8 53.3 79.9
264 62.4 49.3 73.9





#71
Phenanthrene
Concen: 11.811 ng
RT: 11.322 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF135070.D
Acq: 01 Sep 2023 11:58

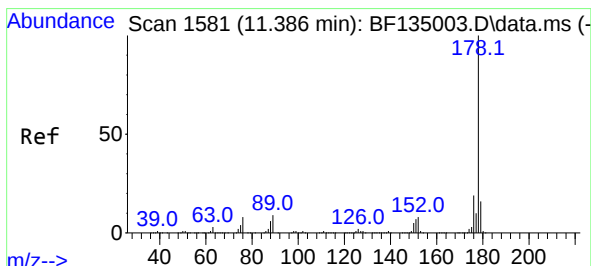
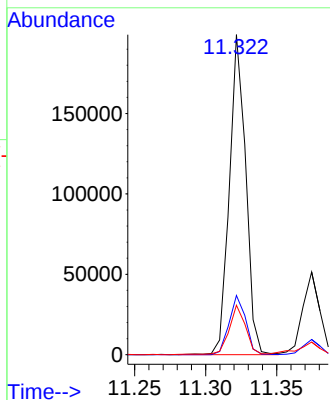
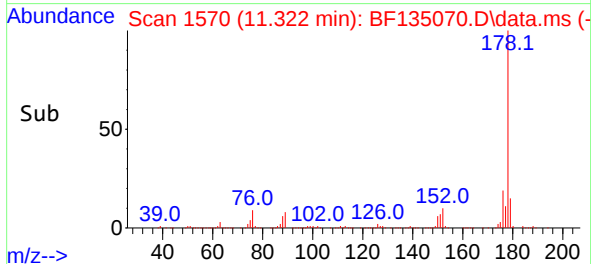
Instrument :
BNA_F
ClientSampleId :
72-11939



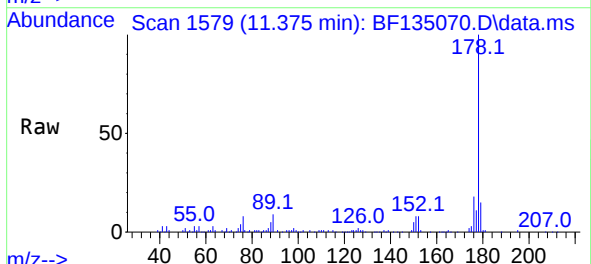
Tgt Ion:178 Resp: 15936
Ion Ratio Lower Upper
178 100
176 18.5 15.9 23.9
179 15.4 12.5 18.7

Manual Integrations
APPROVED

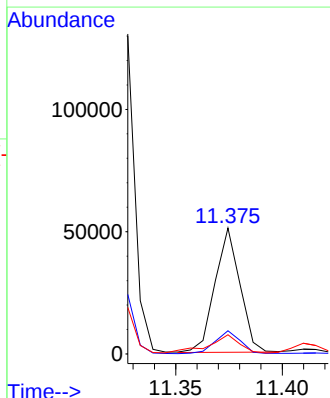
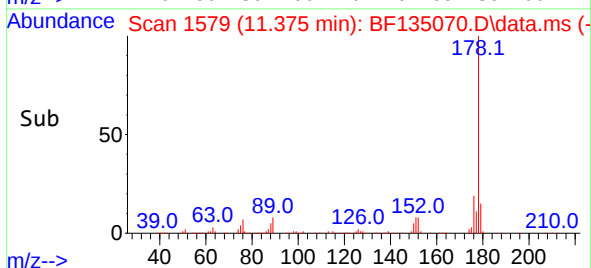
Reviewed By :Yogesh Patel 09/04/2023
Supervised By :mohammad ahmed 09/04/2023

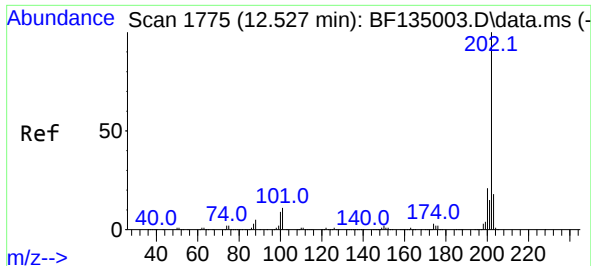


#72
Anthracene
Concen: 3.011 ng
RT: 11.375 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BF135070.D
Acq: 01 Sep 2023 11:58



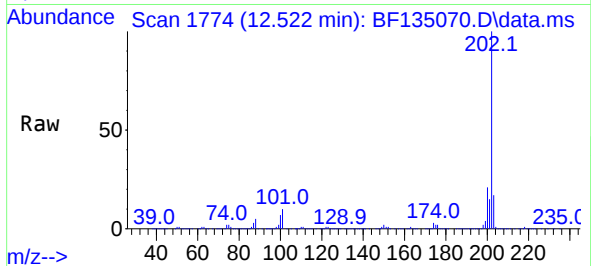
Tgt Ion:178 Resp: 41513
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.2
179 15.3 12.8 19.2





#75
Fluoranthene
Concen: 31.555 ng
RT: 12.522 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135070.D
Acq: 01 Sep 2023 11:58

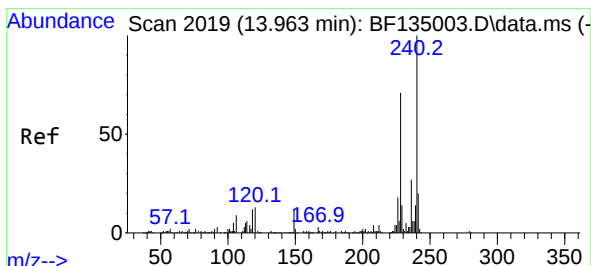
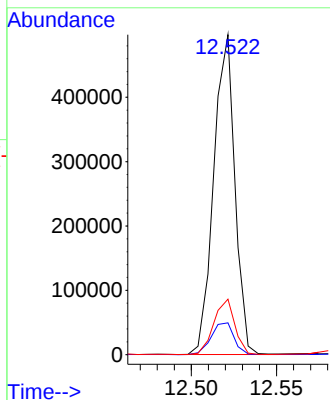
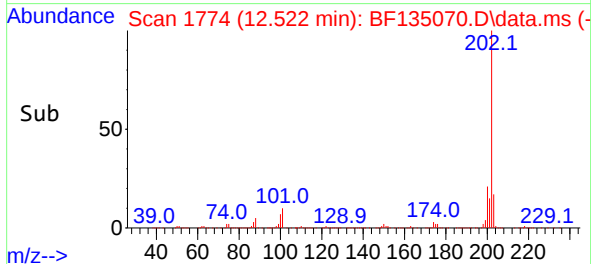
Instrument :
BNA_F
ClientSampleId :
72-11939



Tgt Ion:202 Resp: 43047
Ion Ratio Lower Upper
202 100
101 9.9 0.0 31.5
203 17.3 0.0 37.8

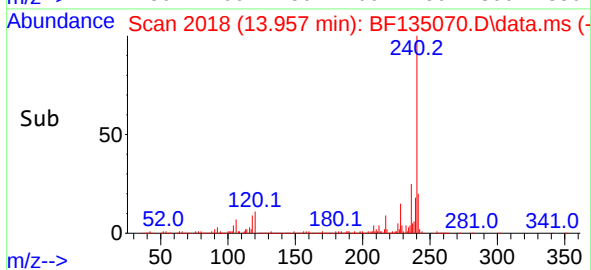
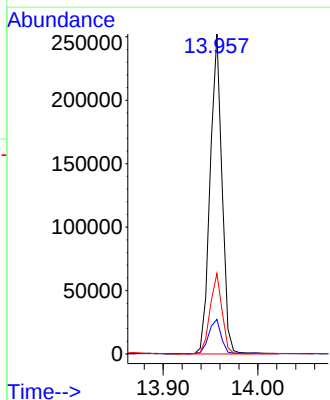
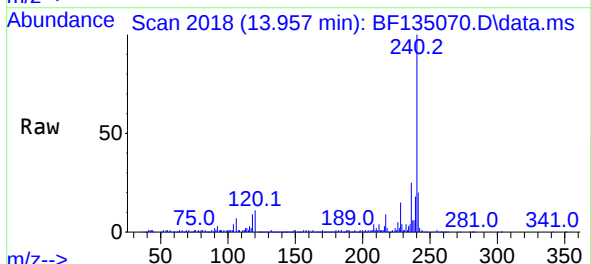
Manual Integrations
APPROVED

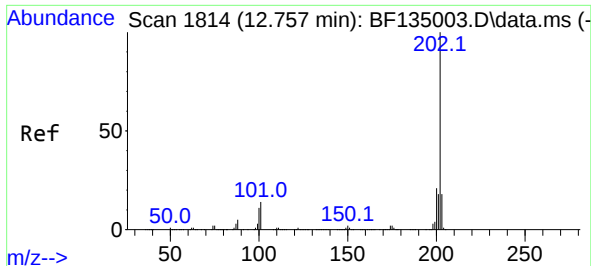
Reviewed By :Yogesh Patel 09/04/2023
Supervised By :mohammad ahmed 09/04/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF135070.D
Acq: 01 Sep 2023 11:58

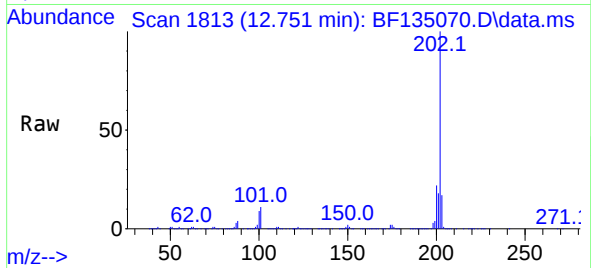
Tgt Ion:240 Resp: 219942
Ion Ratio Lower Upper
240 100
120 10.8 10.2 15.2
236 25.2 21.3 31.9





#78
Pyrene
Concen: 16.030 ng
RT: 12.751 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF135070.D
Acq: 01 Sep 2023 11:58

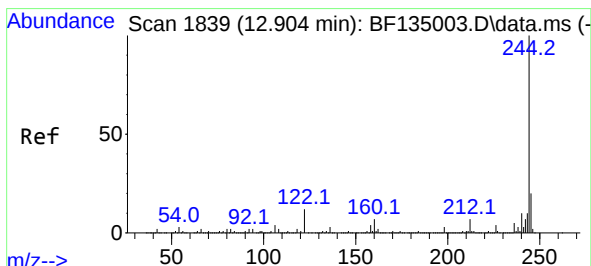
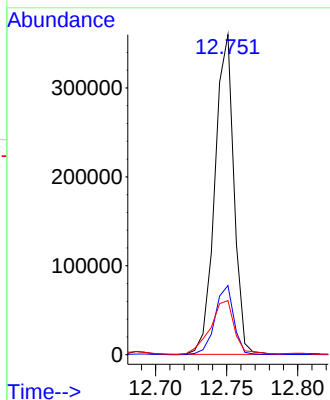
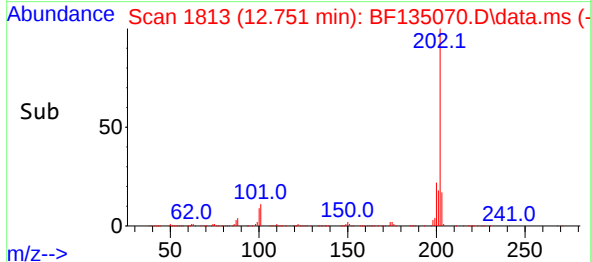
Instrument :
BNA_F
ClientSampleId :
72-11939



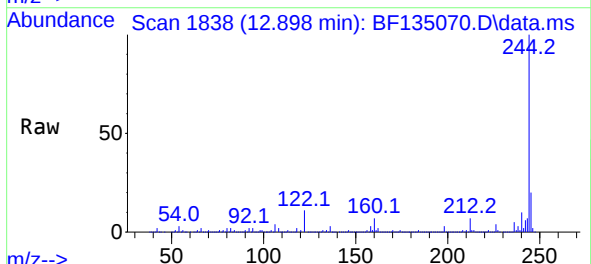
Tgt Ion:202 Resp: 334750
Ion Ratio Lower Upper
202 100
200 21.6 17.0 25.6
203 16.9 14.2 21.2

Manual Integrations
APPROVED

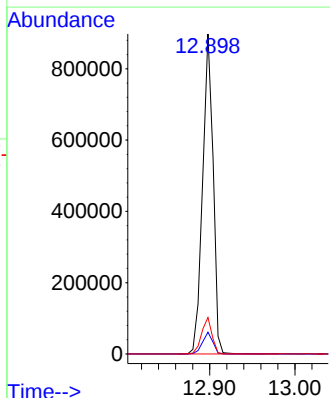
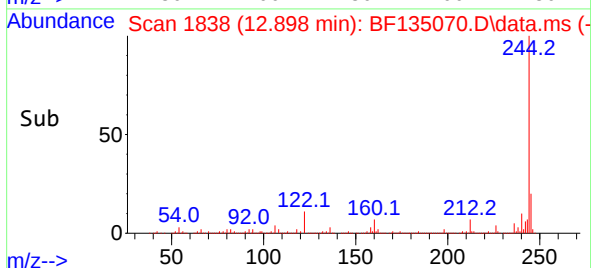
Reviewed By :Yogesh Patel 09/04/2023
Supervised By :mohammad ahmed 09/04/2023

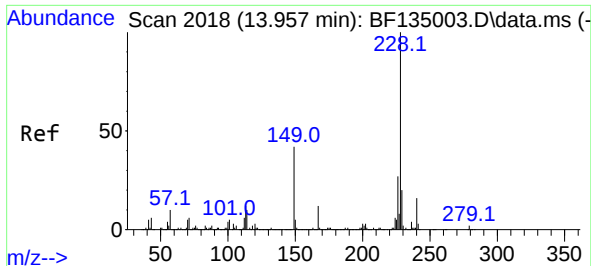


#79
Terphenyl-d14
Concen: 56.958 ng
RT: 12.898 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF135070.D
Acq: 01 Sep 2023 11:58



Tgt Ion:244 Resp: 767667
Ion Ratio Lower Upper
244 100
212 6.8 5.6 8.4
122 11.4 9.8 14.6





#81
Benzo(a)anthracene
Concen: 11.425 ng
RT: 13.945 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF135070.D
Acq: 01 Sep 2023 11:58

Instrument :

BNA_F

ClientSampleId :

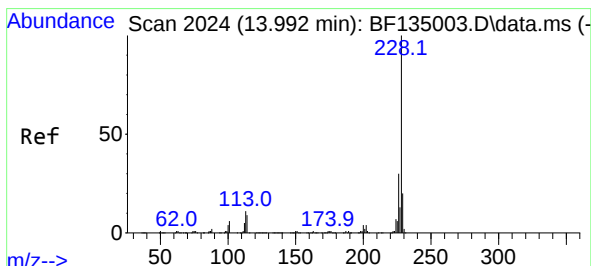
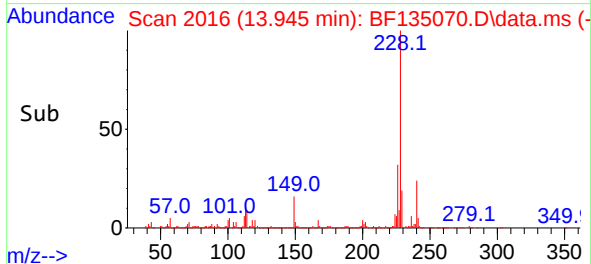
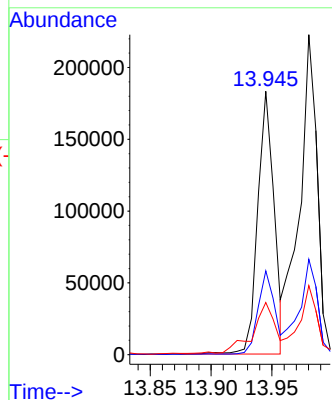
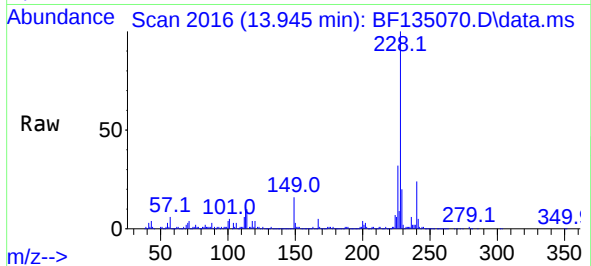
72-11939

Tgt Ion:228 Resp: 17140
Ion Ratio Lower Upper
228 100
226 31.9 21.6 32.4
229 19.8 15.6 23.4

Manual Integrations

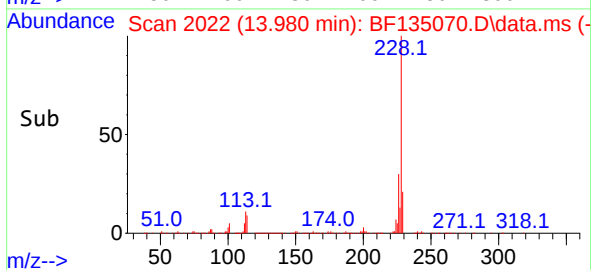
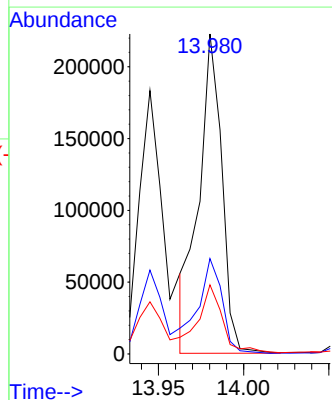
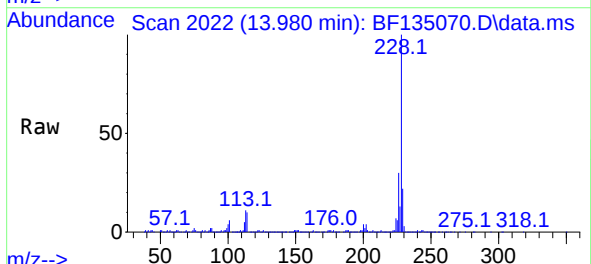
APPROVED

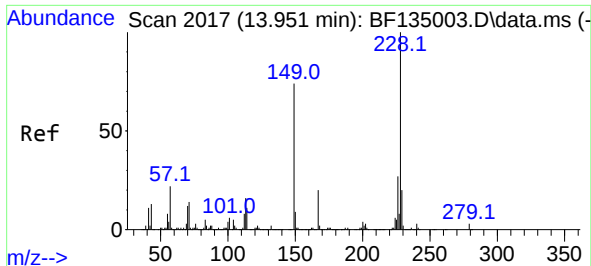
Reviewed By :Yogesh Patel 09/04/2023
Supervised By :mohammad ahmed 09/04/2023



#83
Chrysene
Concen: 14.182 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF135070.D
Acq: 01 Sep 2023 11:58

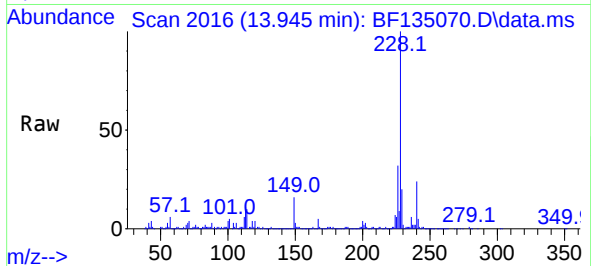
Tgt Ion:228 Resp: 209108
Ion Ratio Lower Upper
228 100
226 29.8 24.2 36.4
229 21.6 15.9 23.9





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.741 ng
RT: 13.945 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF135070.D
Acq: 01 Sep 2023 11:58

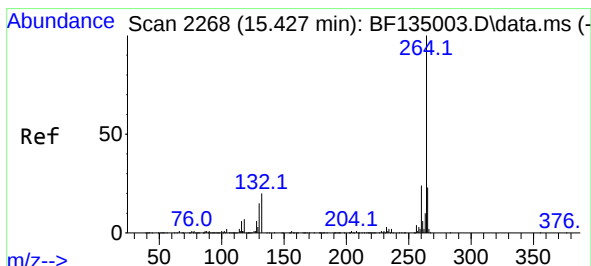
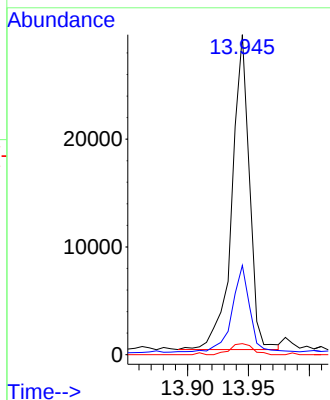
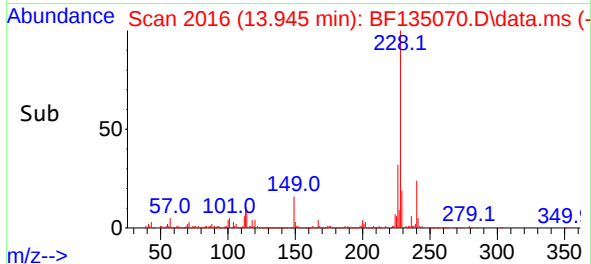
Instrument :
BNA_F
ClientSampleId :
72-11939



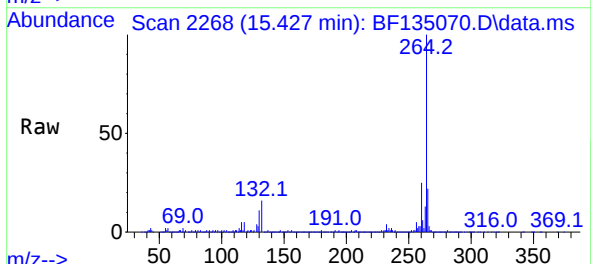
Tgt Ion:149 Resp: 29209
Ion Ratio Lower Upper
149 100
167 27.9 21.4 32.0
279 3.5 3.0 4.6

Manual Integrations
APPROVED

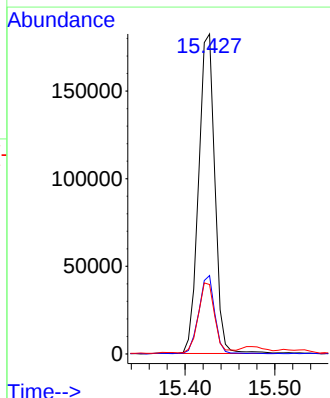
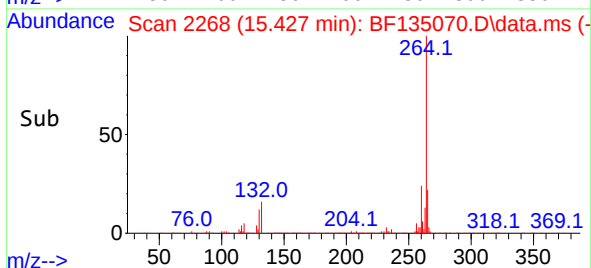
Reviewed By :Yogesh Patel 09/04/2023
Supervised By :mohammad ahmed 09/04/2023

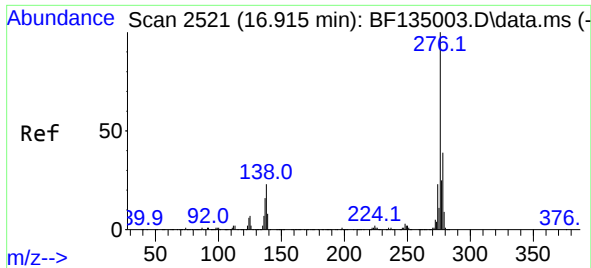


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2268
Delta R.T. 0.000 min
Lab File: BF135070.D
Acq: 01 Sep 2023 11:58



Tgt Ion:264 Resp: 228801
Ion Ratio Lower Upper
264 100
260 24.5 19.0 28.6
265 21.7 18.2 27.2





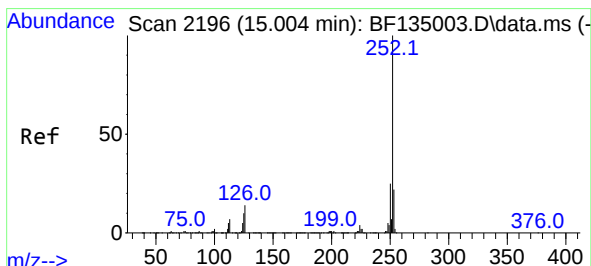
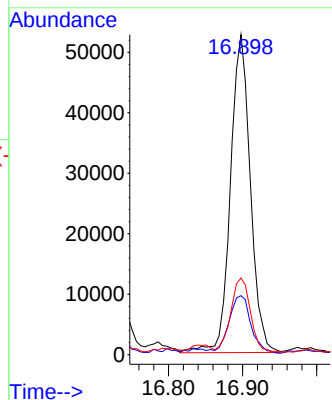
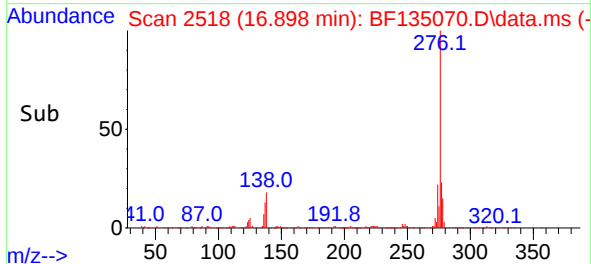
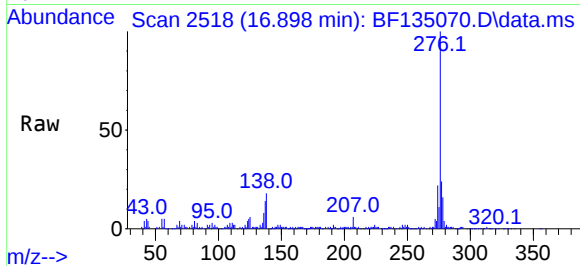
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.368 ng
 RT: 16.898 min Scan# 2118
 Delta R.T. -0.018 min
 Lab File: BF135070.D
 Acq: 01 Sep 2023 11:58

Instrument :
 BNA_F
 ClientSampleId :
 72-11939

Tgt Ion: 276 Resp: 9814
 Ion Ratio Lower Upper
 276 100
 138 19.7 20.2 30.2
 277 22.8 20.4 30.6

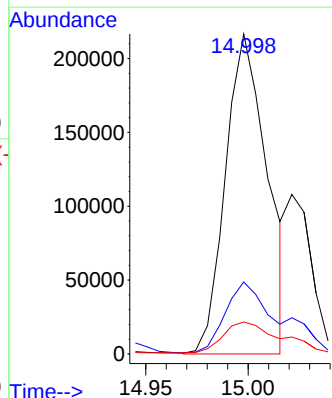
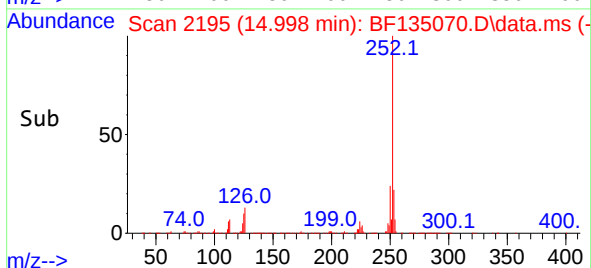
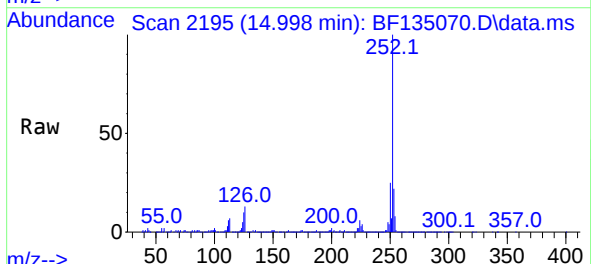
Manual Integrations
 APPROVED

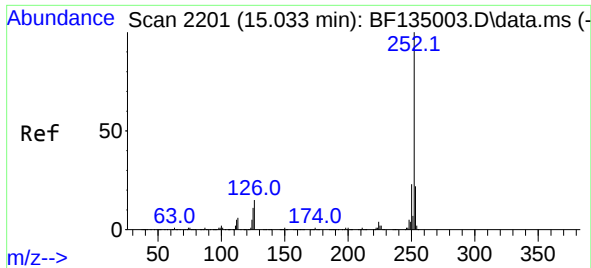
Reviewed By : Yogesh Patel 09/04/2023
 Supervised By : mohammad ahmed 09/04/2023



#88
 Benzo(b)fluoranthene
 Concen: 21.612 ng m
 RT: 14.998 min Scan# 2195
 Delta R.T. -0.006 min
 Lab File: BF135070.D
 Acq: 01 Sep 2023 11:58

Tgt Ion: 252 Resp: 307678
 Ion Ratio Lower Upper
 252 100
 253 22.5 17.8 26.8
 125 10.0 8.4 12.6





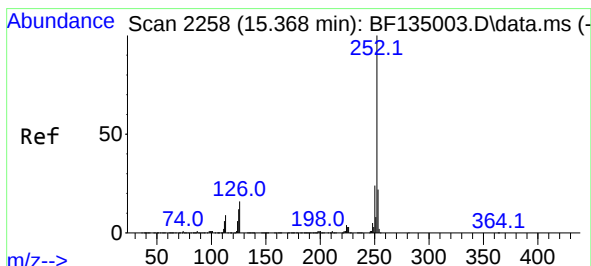
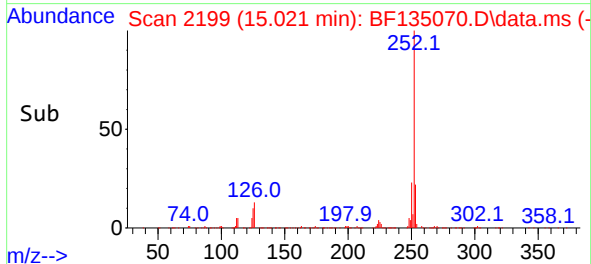
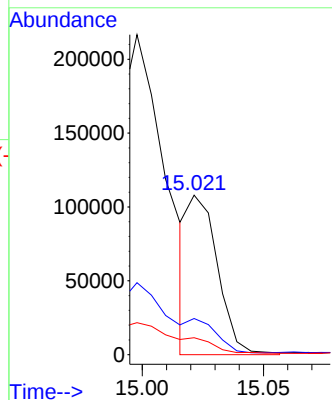
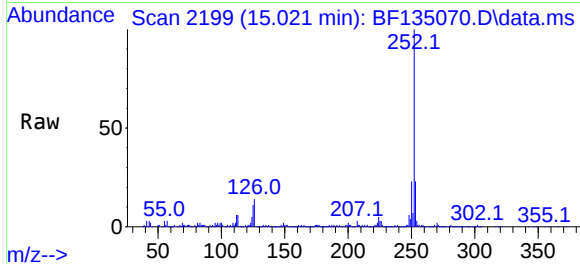
#89
Benzo(k)fluoranthene
Concen: 6.658 ng m
RT: 15.021 min Scan# 2199
Delta R.T. -0.012 min
Lab File: BF135070.D
Acq: 01 Sep 2023 11:58

Instrument :
BNA_F
ClientSampleId :
72-11939

Tgt Ion:252 Resp: 9156
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.0
125 10.6 8.5 12.7

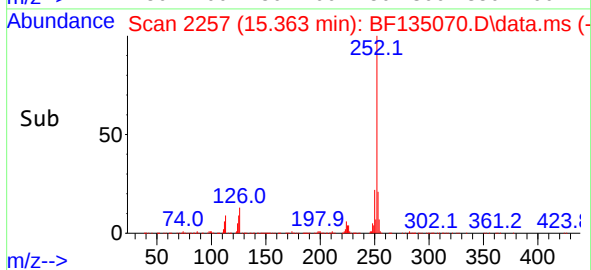
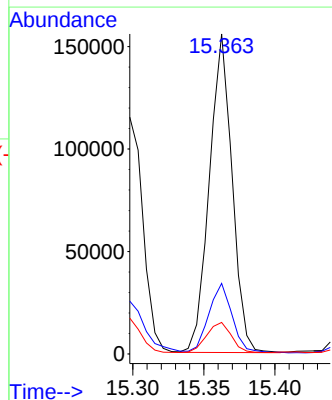
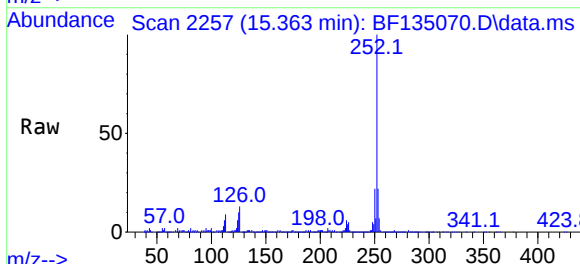
Manual Integrations
APPROVED

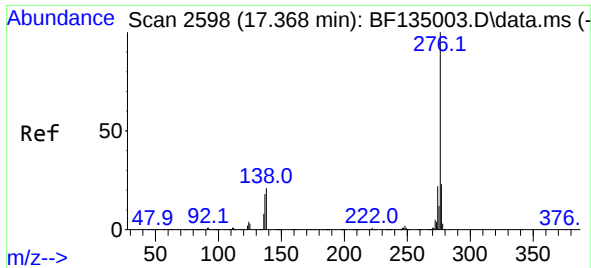
Reviewed By :Yogesh Patel 09/04/2023
Supervised By :mohammad ahmed 09/04/2023



#90
Benzo(a)pyrene
Concen: 13.063 ng
RT: 15.363 min Scan# 2257
Delta R.T. -0.006 min
Lab File: BF135070.D
Acq: 01 Sep 2023 11:58

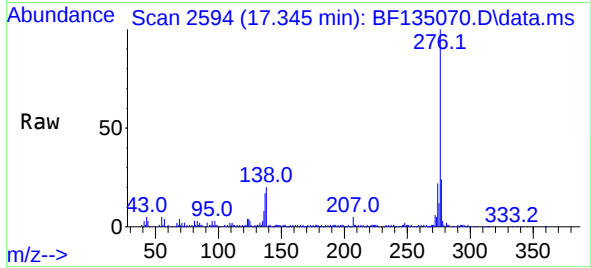
Tgt Ion:252 Resp: 172762
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.0
125 9.9 9.5 14.3





#92
 Benzo(g,h,i)perylene
 Concen: 8.241 ng
 RT: 17.345 min Scan# 21
 Delta R.T. -0.023 min
 Lab File: BF135070.D
 Acq: 01 Sep 2023 11:58

Instrument :
 BNA_F
 ClientSampleId :
 72-11939



Tgt Ion:	276	Resp:	106980
Ion Ratio	Lower	Upper	
276	100		
277	23.8	18.5	27.7
138	20.0	17.1	25.7

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/04/2023
 Supervised By :mohammad ahmed 09/04/2023

