

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091523\
 Data File : BF135293.D
 Acq On : 15 Sep 2023 22:33
 Operator : CG\JU
 Sample : 04396-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-24313

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/18/2023
 Supervised By :mohammad ahmed 09/19/2023

Quant Time: Sep 16 01:56:47 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	6.757	152	87659	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	283618	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	104236	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	110375	20.000	ng	# 0.04
76) Chrysene-d12	13.980	240	156575	20.000	ng	# 0.04
86) Perylene-d12	15.427	264	154186	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	492995	91.472	ng	0.00
7) Phenol-d6	6.404	99	581956	84.918	ng	0.00
23) Nitrobenzene-d5	7.322	82	345640	66.210	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	85761	82.793	ng	0.01
45) 2-Fluorobiphenyl	9.116	172	490678	71.021	ng	-0.01
79) Terphenyl-d14	12.939	244	341896	33.850	ng	0.05
Target Compounds						Qvalue
49) Acenaphthylene	9.663	152	49027	5.076	ng	# 27
71) Phenanthrene	11.351	178	75363	14.437	ng	# 37
75) Fluoranthene	12.574	202	199088	36.601	ng	90
78) Pyrene	12.804	202	204857m	13.742	ng	
81) Benzo(a)anthracene	13.968	228	169194	16.735	ng	94
83) Chrysene	14.004	228	196204	19.519	ng	97
84) Bis(2-ethylhexyl)phtha...	13.951	149	147120	27.316	ng	# 96
87) Indeno(1,2,3-cd)pyrene	16.898	276	94847	9.382	ng	96
88) Benzo(b)fluoranthene	15.004	252	288552m	34.571	ng	
89) Benzo(k)fluoranthene	15.027	252	89571m	10.864	ng	
90) Benzo(a)pyrene	15.362	252	128977	16.204	ng	98
91) Dibenzo(a,h)anthracene	16.909	278	24511	2.963	ng	# 85
92) Benzo(g,h,i)perylene	17.345	276	90243	10.446	ng	98

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

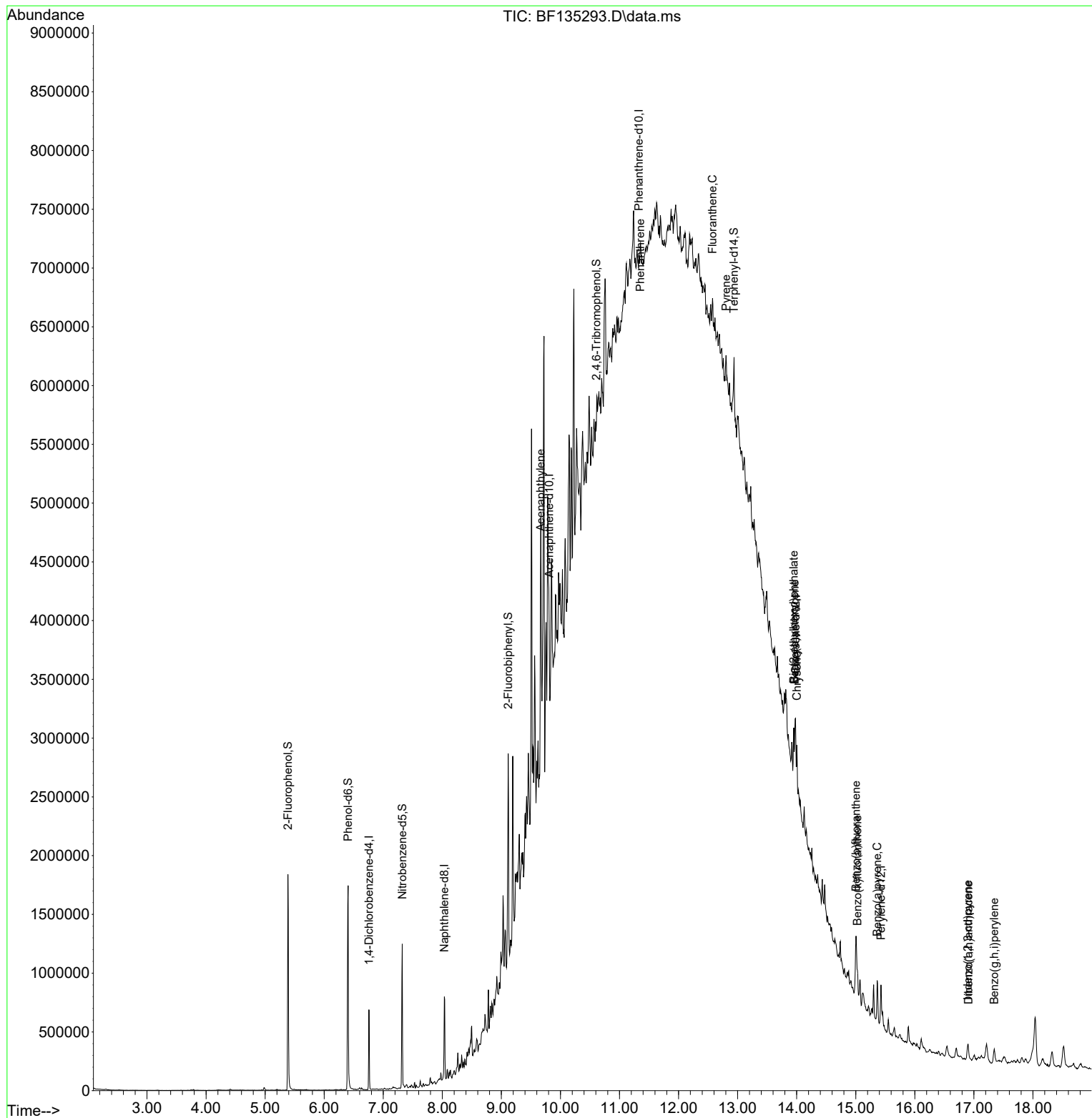
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091523\
Data File : BF135293.D
Acq On : 15 Sep 2023 22:33
Operator : CG\JU
Sample : 04396-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

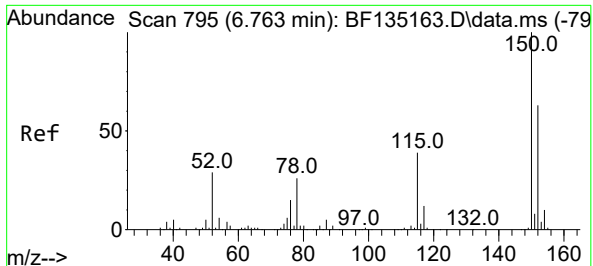
Instrument :
BNA_F
ClientSampleId :
CHRT-24313

Quant Time: Sep 16 01:56:47 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

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135293.D
Acq: 15 Sep 2023 22:33

Instrument :

BNA_F

ClientSampleId :

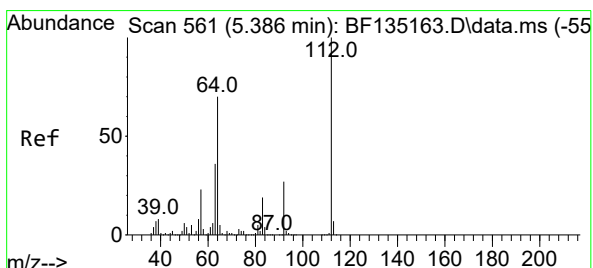
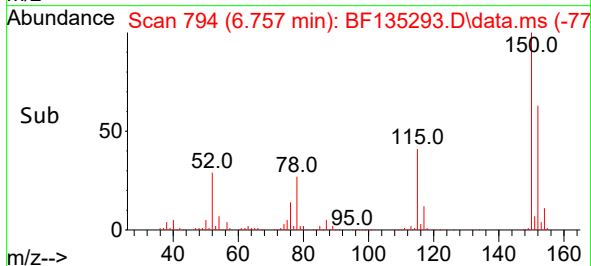
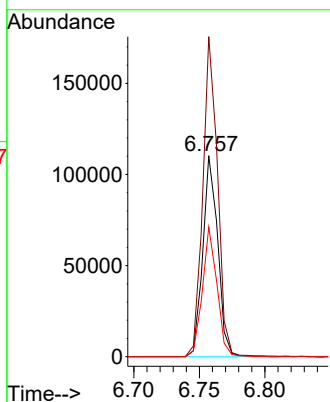
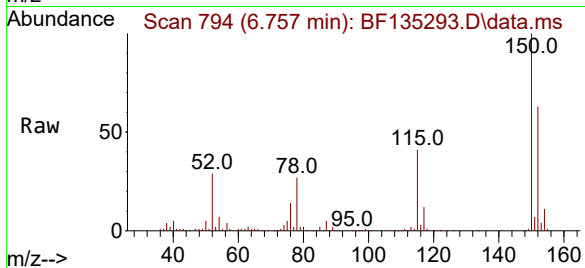
CHRT-24313

Tgt Ion:152 Resp: 87659
Ion Ratio Lower Upper
152 100
150 159.3 127.8 191.6
115 64.5 49.8 74.8

Manual Integrations

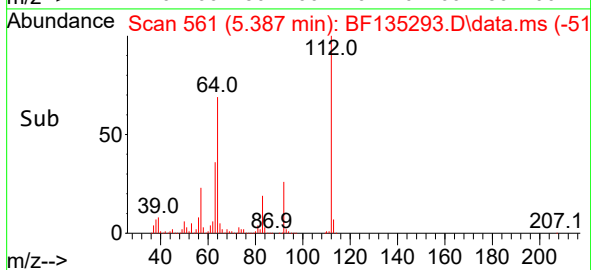
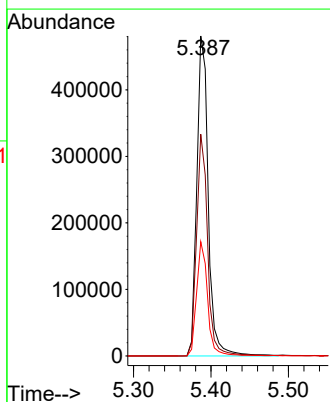
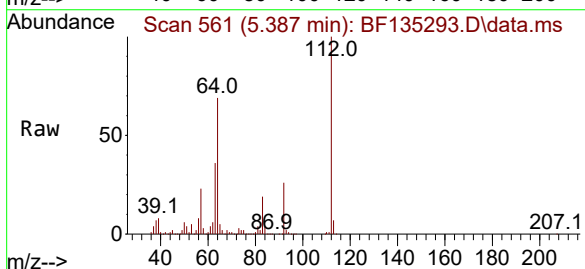
APPROVED

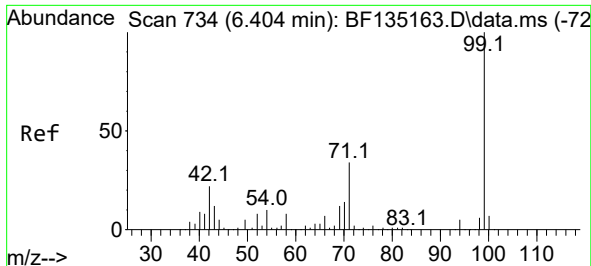
Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023



#5
2-Fluorophenol
Concen: 91.472 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF135293.D
Acq: 15 Sep 2023 22:33

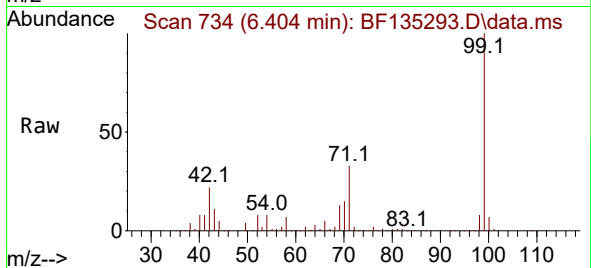
Tgt Ion:112 Resp: 492995
Ion Ratio Lower Upper
112 100
64 69.3 55.9 83.9
63 35.7 29.0 43.6





#7
Phenol-d6
Concen: 84.918 ng
RT: 6.404 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135293.D
Acq: 15 Sep 2023 22:33

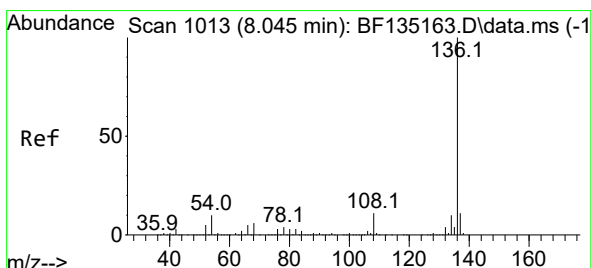
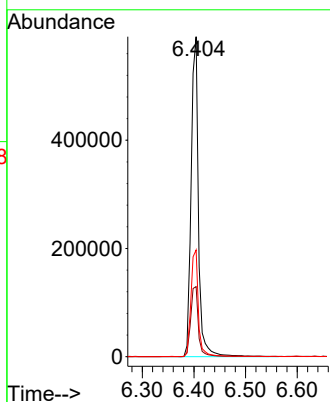
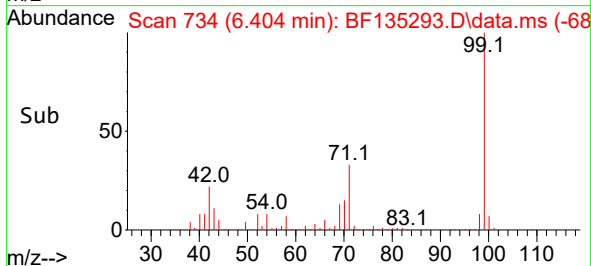
Instrument :
BNA_F
ClientSampleId :
CHRT-24313



Tgt Ion: 99 Resp: 581950
Ion Ratio Lower Upper
99 100
42 21.9 17.9 26.9
71 33.4 27.0 40.6

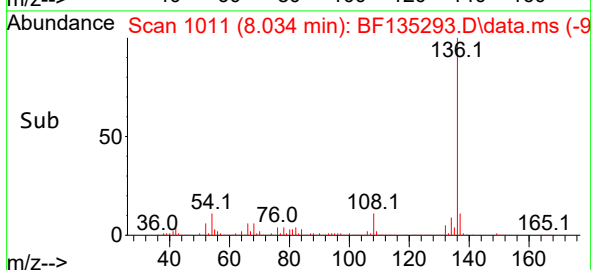
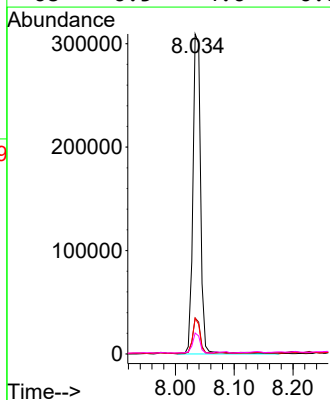
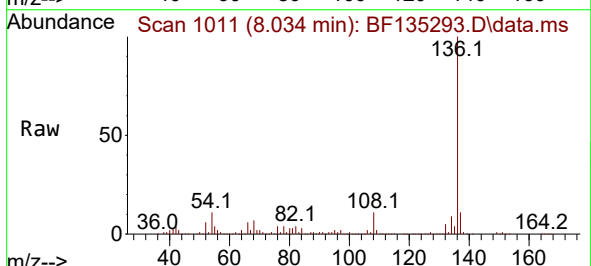
Manual Integrations
APPROVED

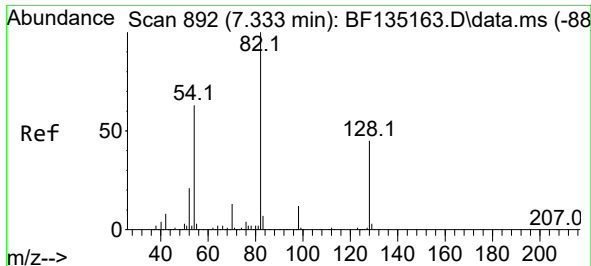
Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1011
Delta R.T. -0.012 min
Lab File: BF135293.D
Acq: 15 Sep 2023 22:33

Tgt Ion:136 Resp: 283618
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 11.2 7.7 11.5
68 6.5 4.6 6.8





#23

Nitrobenzene-d5

Concen: 66.210 ng

RT: 7.322 min Scan# 892

Delta R.T. -0.012 min

Lab File: BF135293.D

Acq: 15 Sep 2023 22:33

Instrument :

BNA_F

ClientSampleId :

CHRT-24313

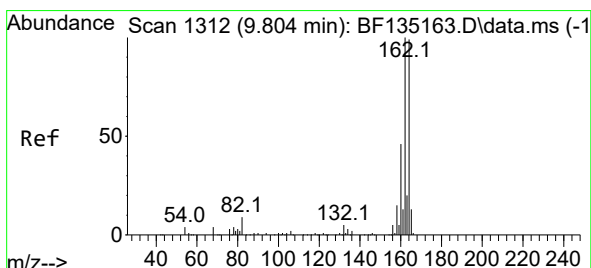
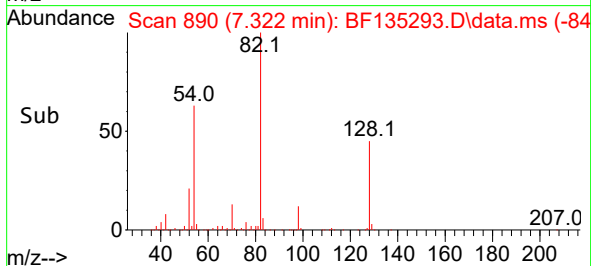
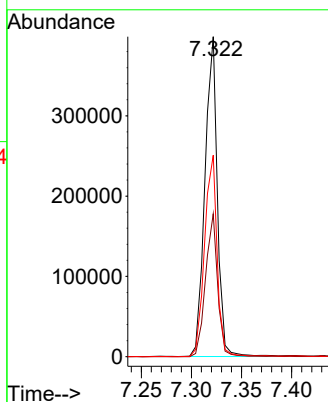
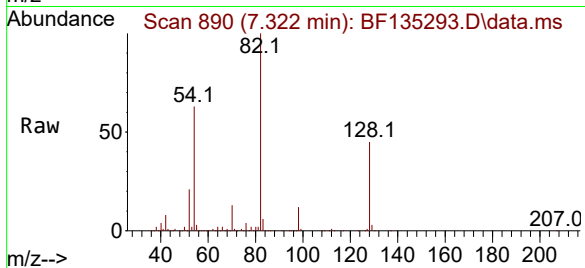
Tgt Ion:	82	Resp:	345640
Ion Ratio	Lower	Upper	
82	100		
128	44.7	35.8	53.6
54	63.0	50.6	76.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/18/2023

Supervised By :mohammad ahmed 09/19/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

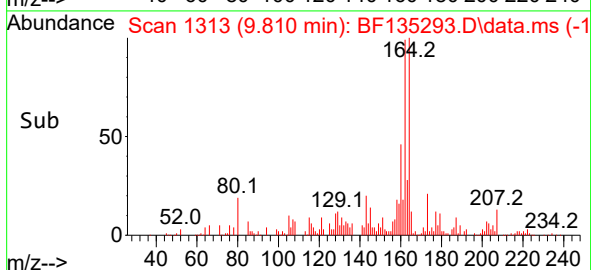
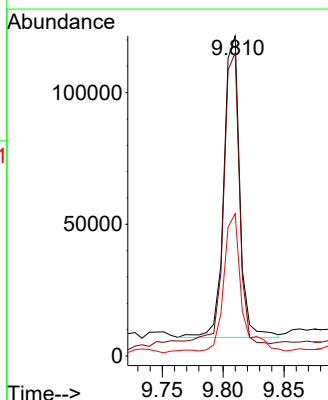
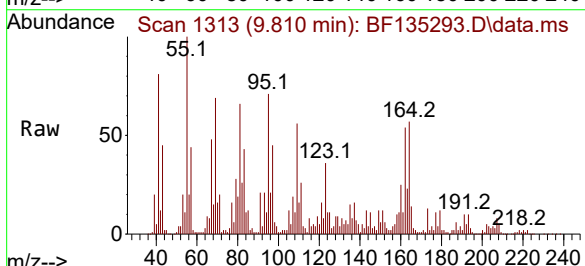
RT: 9.810 min Scan# 1313

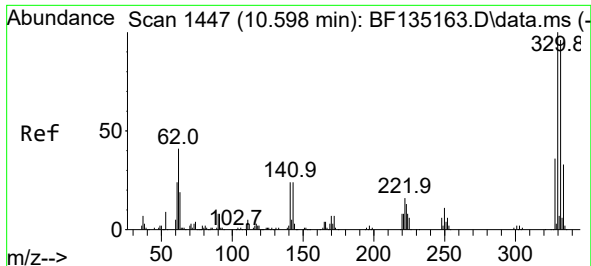
Delta R.T. 0.006 min

Lab File: BF135293.D

Acq: 15 Sep 2023 22:33

Tgt Ion:	164	Resp:	104236
Ion Ratio	Lower	Upper	
164	100		
162	94.8	81.0	121.4
160	44.5	37.0	55.4





#42

2,4,6-Tribromophenol

Concen: 82.793 ng

RT: 10.610 min Scan# 1449

Delta R.T. 0.012 min

Lab File: BF135293.D

Acq: 15 Sep 2023 22:33

Instrument :

BNA_F

ClientSampleId :

CHRT-24313

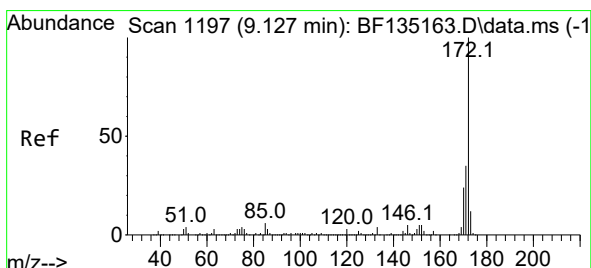
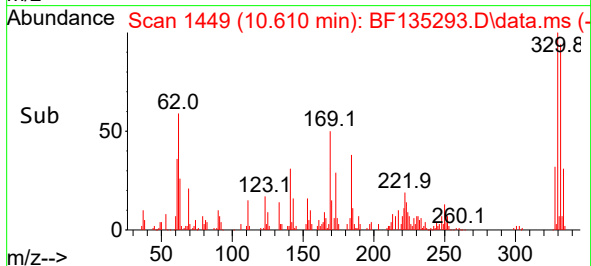
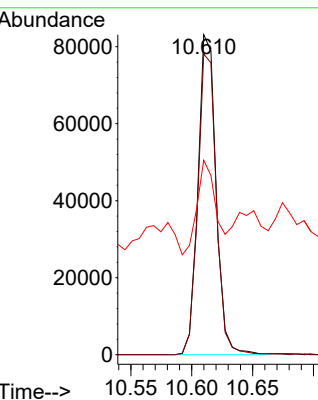
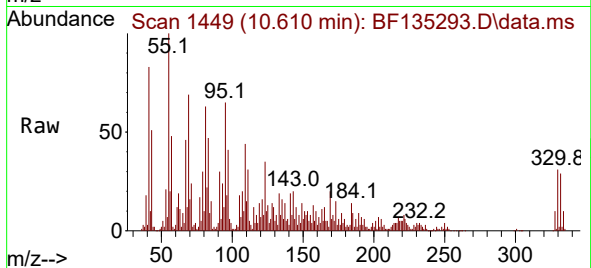
Tgt Ion:330 Resp: 8576
 Ion Ratio Lower Upper
 330 100
 332 95.9 77.3 115.9
 141 30.2 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/18/2023

Supervised By :mohammad ahmed 09/19/2023



#45

2-Fluorobiphenyl

Concen: 71.021 ng

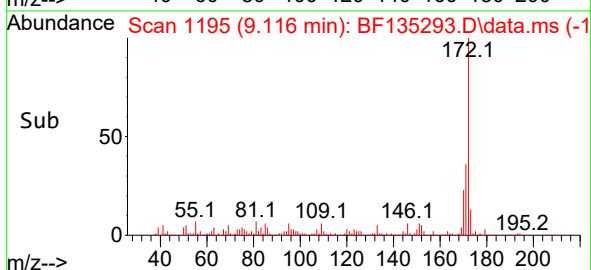
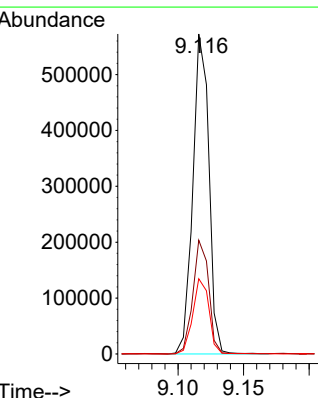
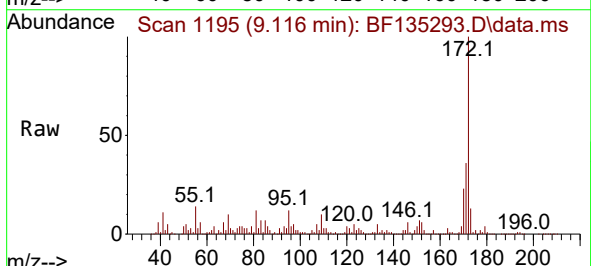
RT: 9.116 min Scan# 1195

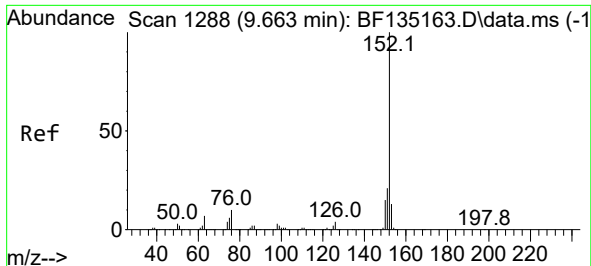
Delta R.T. -0.012 min

Lab File: BF135293.D

Acq: 15 Sep 2023 22:33

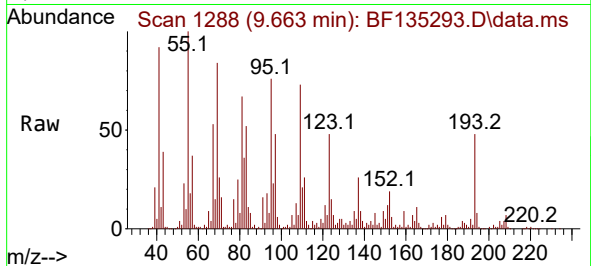
Tgt Ion:172 Resp: 490678
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.4 42.6
 170 23.5 19.0 28.4





#49
Acenaphthylene
Concen: 5.076 ng
RT: 9.663 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BF135293.D
Acq: 15 Sep 2023 22:33

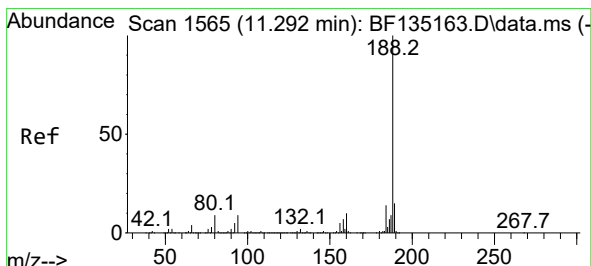
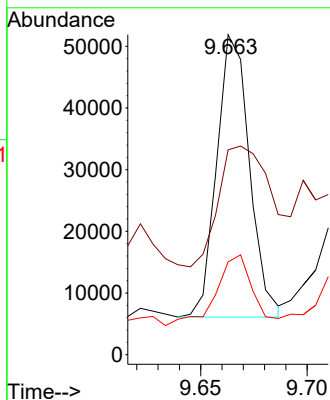
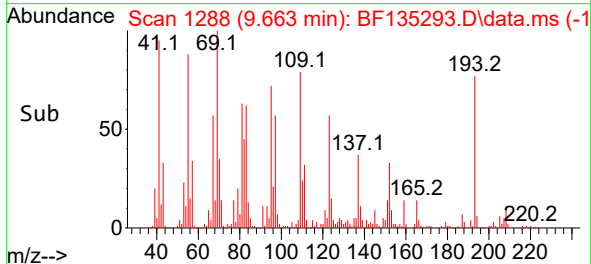
Instrument :
BNA_F
ClientSampleId :
CHRT-24313



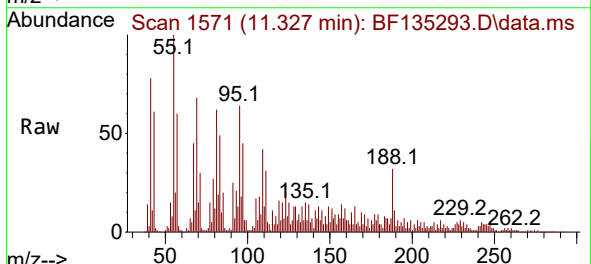
Tgt Ion:152 Resp: 4902
Ion Ratio Lower Upper
152 100
151 64.0 16.4 24.6
153 29.0 10.4 15.6

Manual Integrations
APPROVED

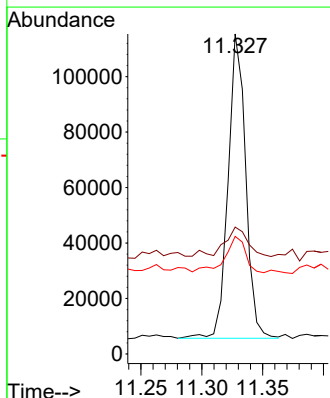
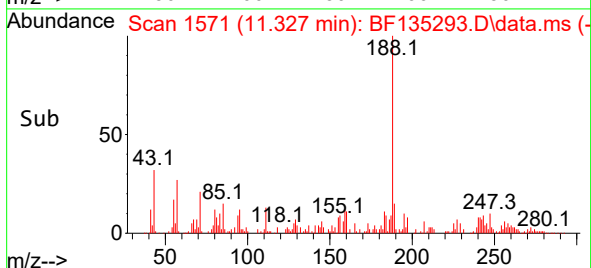
Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023

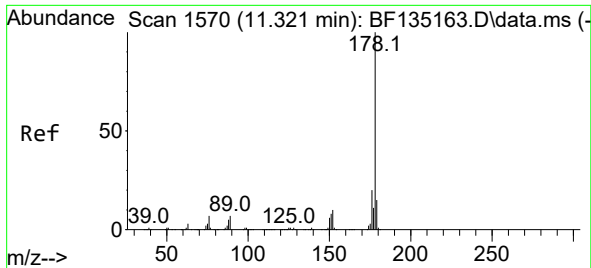


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1571
Delta R.T. 0.035 min
Lab File: BF135293.D
Acq: 15 Sep 2023 22:33



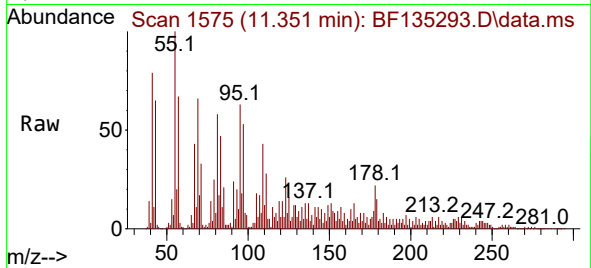
Tgt Ion:188 Resp: 110375
Ion Ratio Lower Upper
188 100
94 39.6 7.0 10.6#
80 36.7 7.5 11.3#





#71
Phenanthrene
Concen: 14.437 ng
RT: 11.351 min Scan# 1783
Delta R.T. 0.030 min
Lab File: BF135293.D
Acq: 15 Sep 2023 22:33

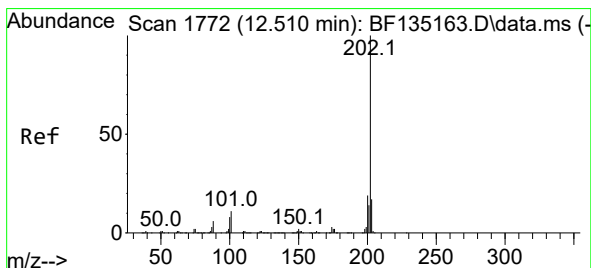
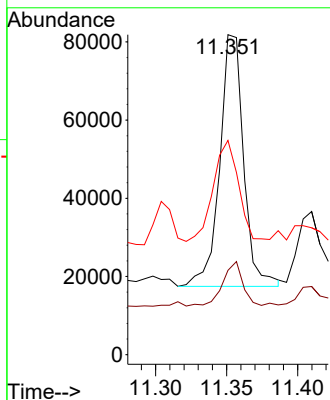
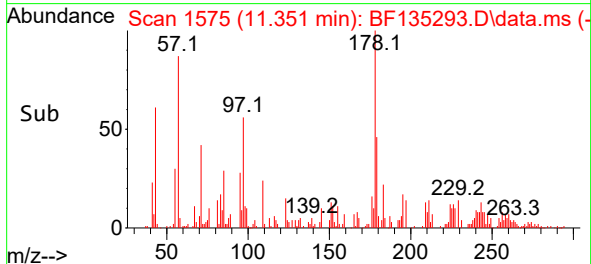
Instrument :
BNA_F
ClientSampleId :
CHRT-24313



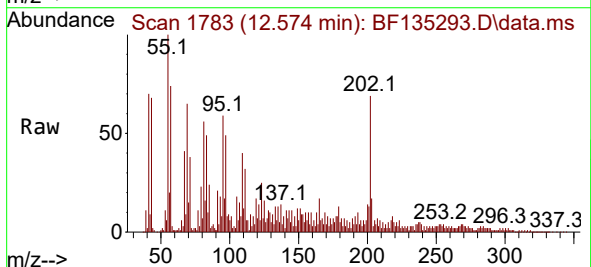
Tgt Ion:178 Resp: 7536
Ion Ratio Lower Upper
178 100
176 26.4 15.6 23.4
179 66.9 12.0 18.0

Manual Integrations
APPROVED

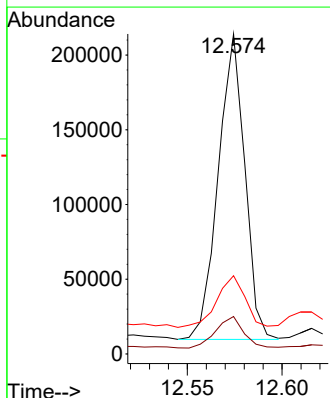
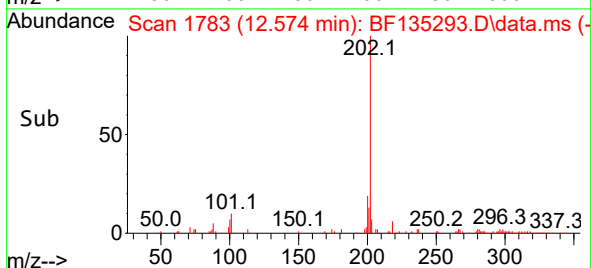
Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023

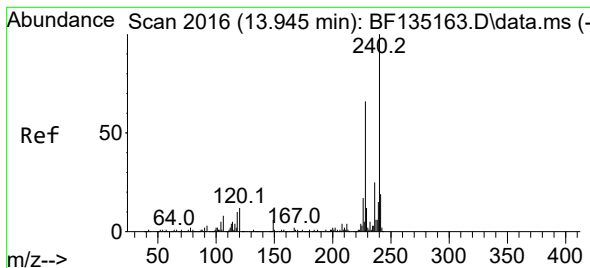


#75
Fluoranthene
Concen: 36.601 ng
RT: 12.574 min Scan# 1783
Delta R.T. 0.065 min
Lab File: BF135293.D
Acq: 15 Sep 2023 22:33



Tgt Ion:202 Resp: 199088
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.3
203 24.5 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 2016

Delta R.T. 0.035 min

Lab File: BF135293.D

Acq: 15 Sep 2023 22:33

Instrument :

BNA_F

ClientSampleId :

CHRT-24313

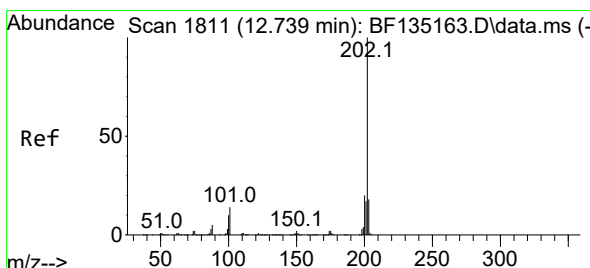
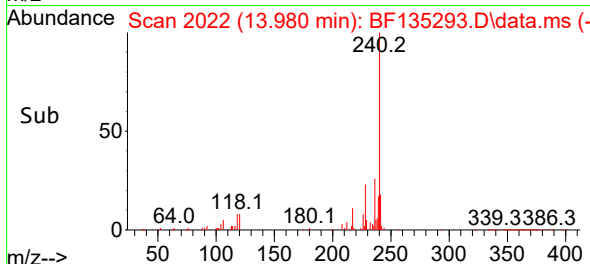
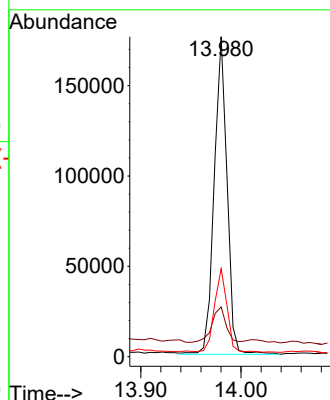
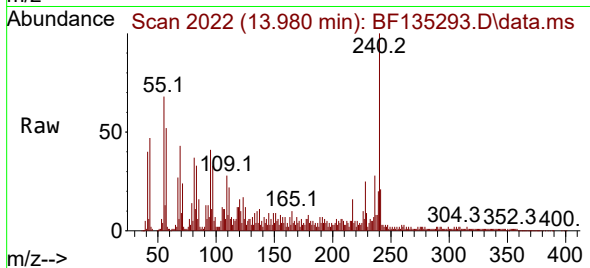
Tgt Ion:240 Resp: 156579
 Ion Ratio Lower Upper
 240 100
 120 15.6 9.4 14.2
 236 27.5 19.8 29.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/18/2023

Supervised By :mohammad ahmed 09/19/2023



#78

Pyrene

Concen: 13.742 ng m

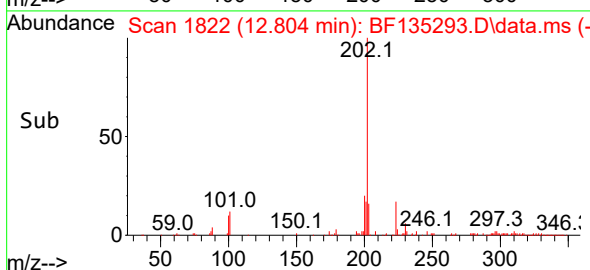
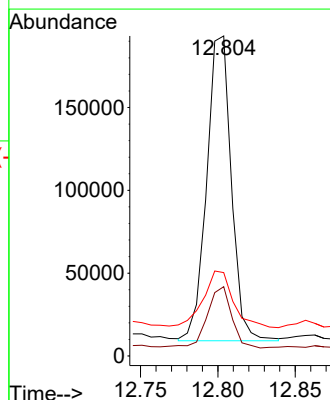
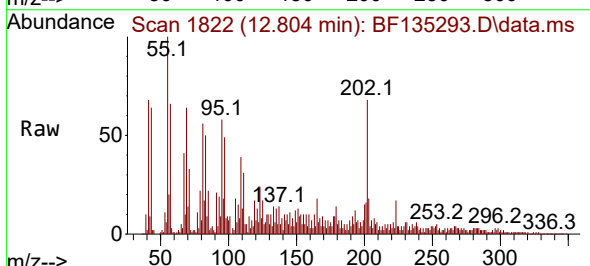
RT: 12.804 min Scan# 1822

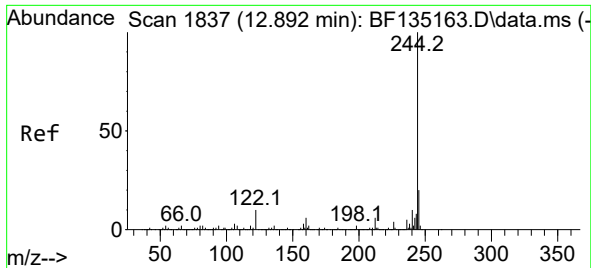
Delta R.T. 0.065 min

Lab File: BF135293.D

Acq: 15 Sep 2023 22:33

Tgt Ion:202 Resp: 204857
 Ion Ratio Lower Upper
 202 100
 200 21.7 16.2 24.2
 203 26.0 14.2 21.4





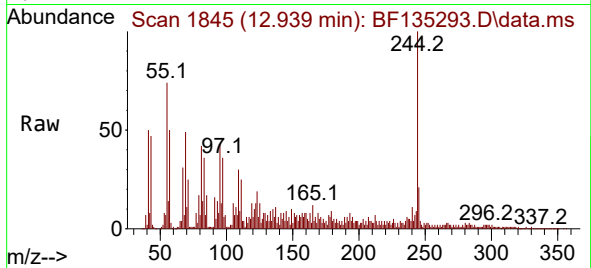
#79
Terphenyl-d14
Concen: 33.850 ng
RT: 12.939 min Scan# 1837
Delta R.T. 0.047 min
Lab File: BF135293.D
Acq: 15 Sep 2023 22:33

Instrument :

BNA_F

ClientSampleId :

CHRT-24313

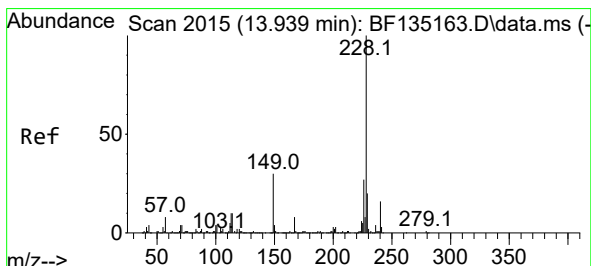
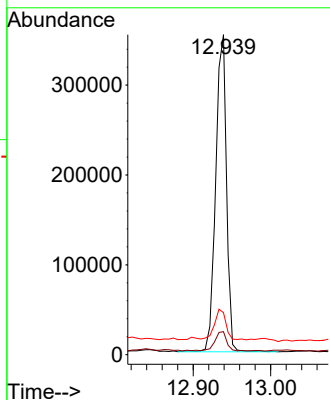
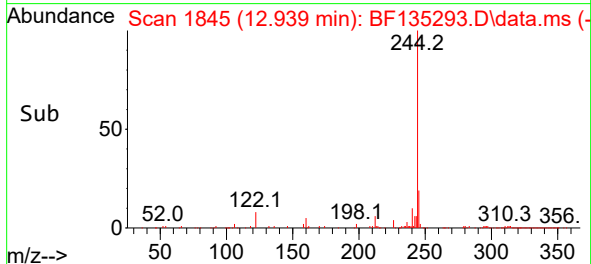


Tgt Ion:244 Resp: 341890
Ion Ratio Lower Upper
244 100
212 7.2 5.1 7.7
122 13.1 7.9 11.9

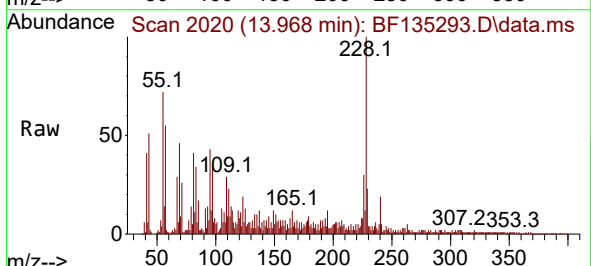
Manual Integrations

APPROVED

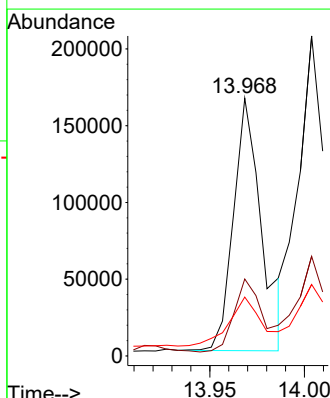
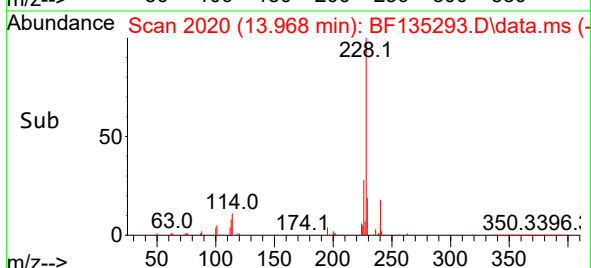
Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023

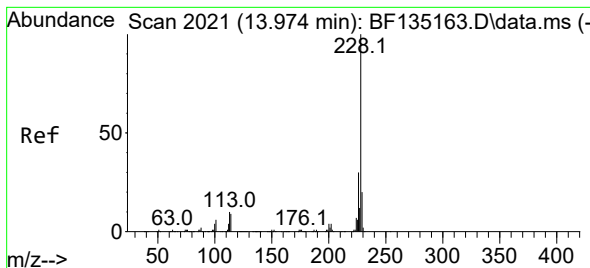


#81
Benzo(a)anthracene
Concen: 16.735 ng
RT: 13.968 min Scan# 2020
Delta R.T. 0.030 min
Lab File: BF135293.D
Acq: 15 Sep 2023 22:33



Tgt Ion:228 Resp: 169194
Ion Ratio Lower Upper
228 100
226 29.9 21.7 32.5
229 22.9 15.8 23.8





#83

Chrysene

Concen: 19.519 ng

RT: 14.004 min Scan# 20

Delta R.T. 0.030 min

Lab File: BF135293.D

Acq: 15 Sep 2023 22:33

Instrument :

BNA_F

ClientSampleId :

CHRT-24313

Tgt Ion:228 Resp: 196204

Ion Ratio Lower Upper

228 100

226 31.1 24.3 36.5

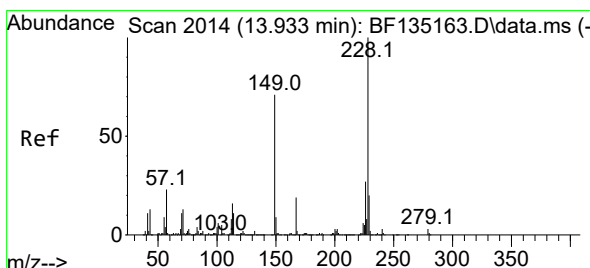
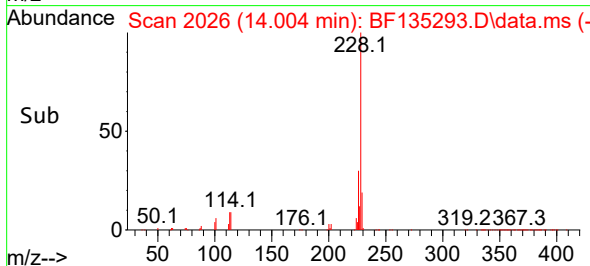
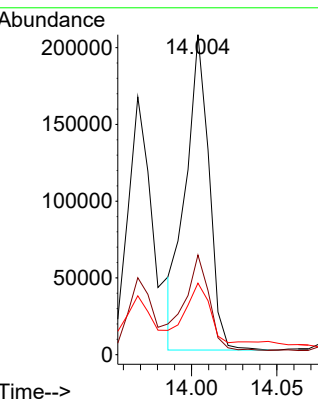
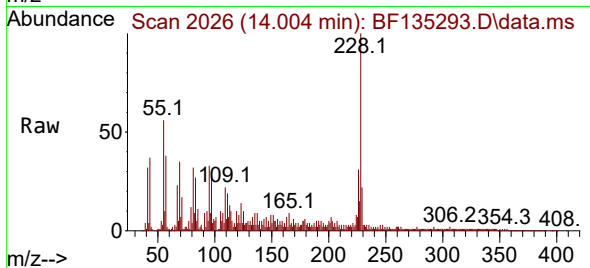
229 22.4 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/18/2023

Supervised By :mohammad ahmed 09/19/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 27.316 ng

RT: 13.951 min Scan# 2017

Delta R.T. 0.018 min

Lab File: BF135293.D

Acq: 15 Sep 2023 22:33

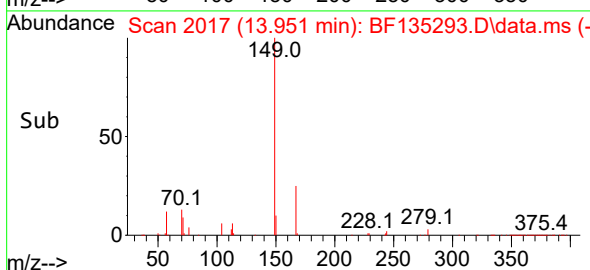
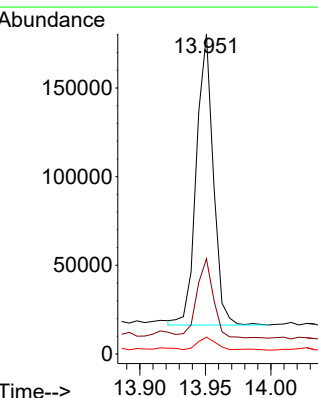
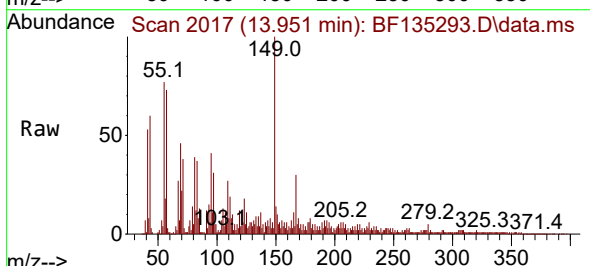
Tgt Ion:149 Resp: 147120

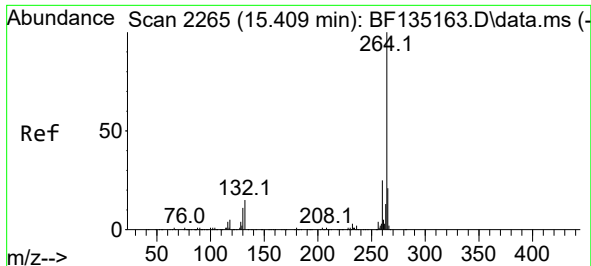
Ion Ratio Lower Upper

149 100

167 29.8 21.9 32.9

279 5.3 3.3 4.9#





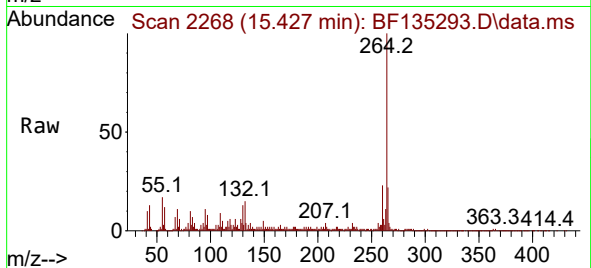
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF135293.D
Acq: 15 Sep 2023 22:33

Instrument :

BNA_F

ClientSampleId :

CHRT-24313

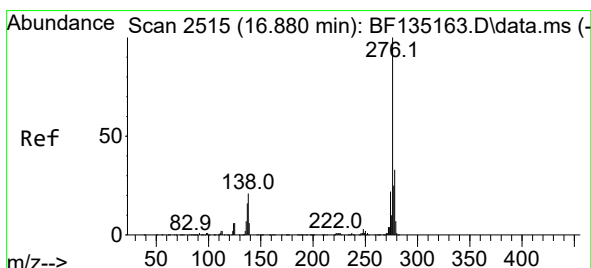
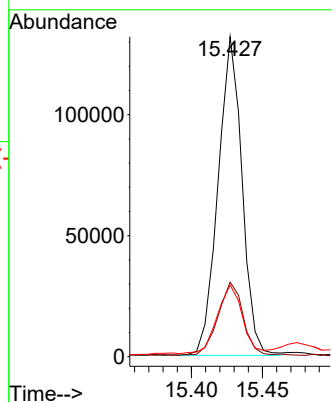
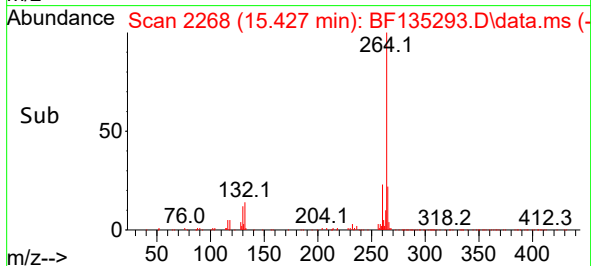


Tgt Ion:264 Resp: 154180
Ion Ratio Lower Upper
264 100
260 23.3 19.8 29.6
265 22.4 17.0 25.4

Manual Integrations

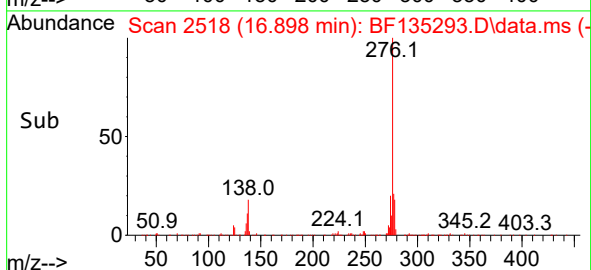
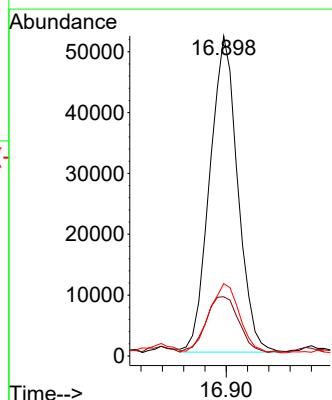
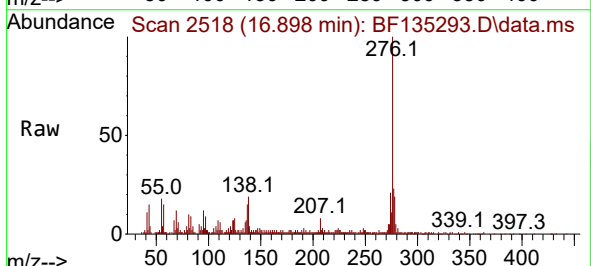
APPROVED

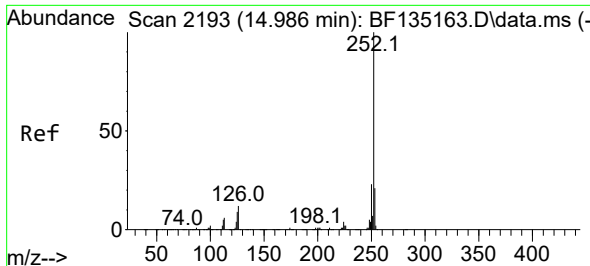
Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 9.382 ng
RT: 16.898 min Scan# 2518
Delta R.T. 0.018 min
Lab File: BF135293.D
Acq: 15 Sep 2023 22:33

Tgt Ion:276 Resp: 94847
Ion Ratio Lower Upper
276 100
138 20.4 19.2 28.8
277 23.8 19.7 29.5





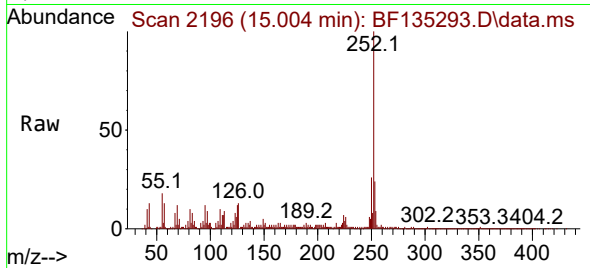
#88
Benzo(b)fluoranthene
Concen: 34.571 ng m
RT: 15.004 min Scan# 2193
Delta R.T. 0.018 min
Lab File: BF135293.D
Acq: 15 Sep 2023 22:33

Instrument :

BNF_F

ClientSampleId :

CHRT-24313

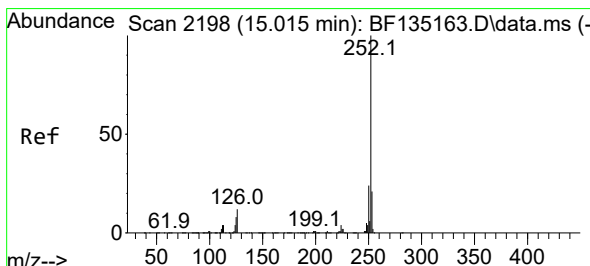
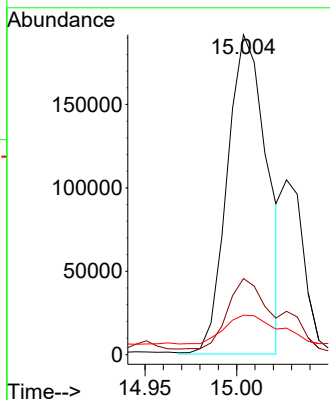
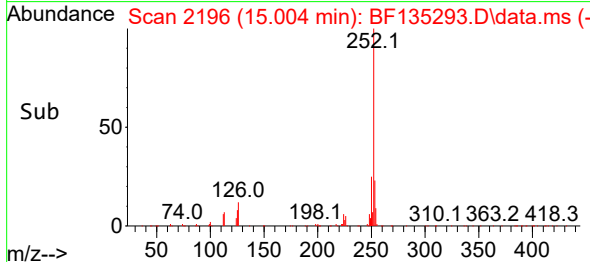


Tgt Ion:252 Resp: 28855
Ion Ratio Lower Upper
252 100
253 23.8 17.2 25.8
125 12.3 7.1 10.7

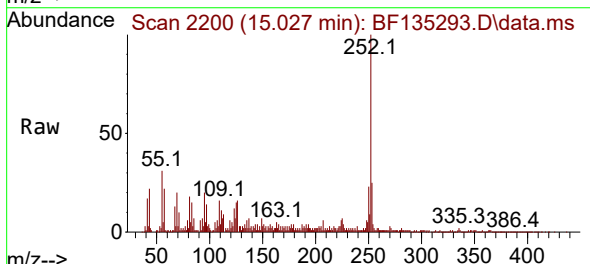
Manual Integrations

APPROVED

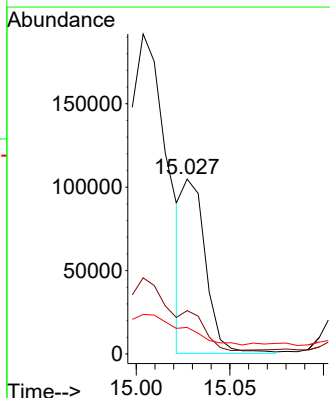
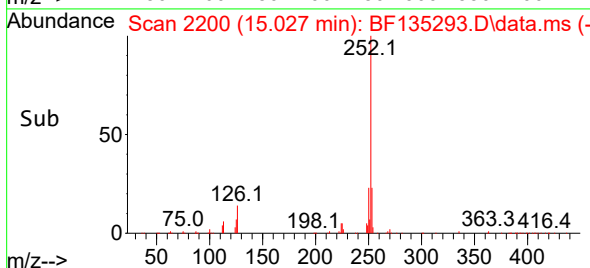
Reviewed By :Yogesh Patel 09/18/2023
Supervised By :mohammad ahmed 09/19/2023

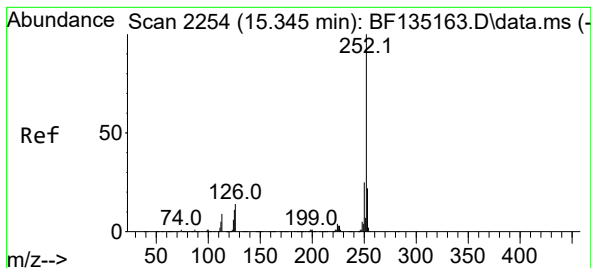


#89
Benzo(k)fluoranthene
Concen: 10.864 ng m
RT: 15.027 min Scan# 2200
Delta R.T. 0.012 min
Lab File: BF135293.D
Acq: 15 Sep 2023 22:33



Tgt Ion:252 Resp: 89571
Ion Ratio Lower Upper
252 100
253 24.8 17.4 26.0
125 15.2 7.2 10.8





#90

Benzo(a)pyrene

Concen: 16.204 ng

RT: 15.362 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF135293.D

Acq: 15 Sep 2023 22:33

Instrument :

BNA_F

ClientSampleId :

CHRT-24313

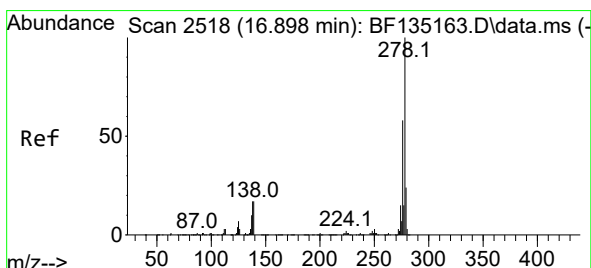
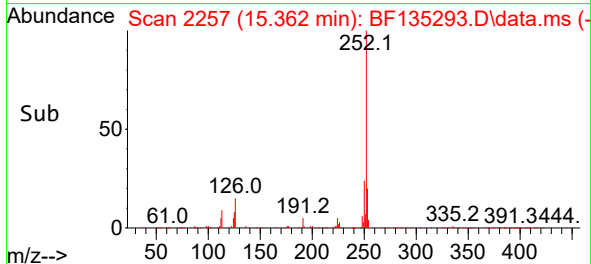
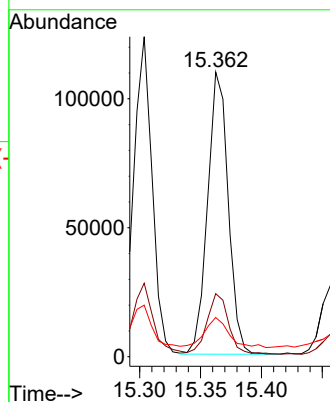
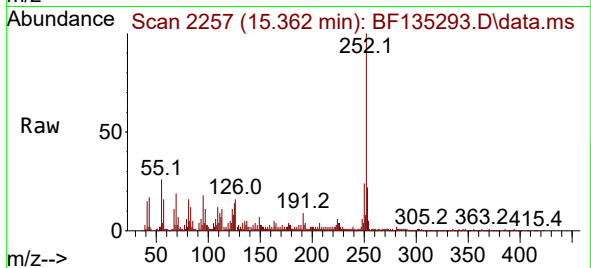
Tgt Ion:	252	Resp:	12897
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.5	26.3
125	13.8	9.2	13.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/18/2023

Supervised By :mohammad ahmed 09/19/2023



#91

Dibenzo(a,h)anthracene

Concen: 2.963 ng

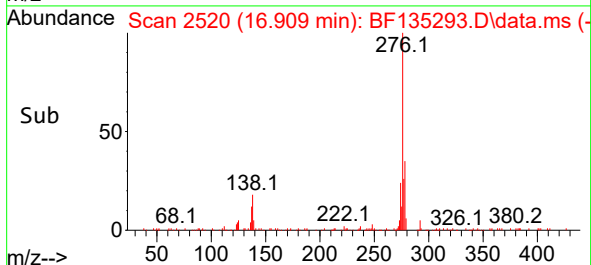
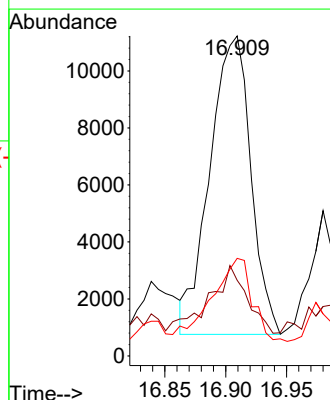
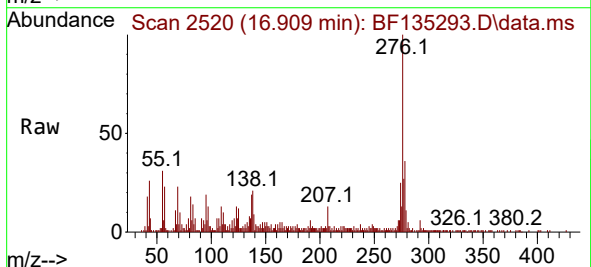
RT: 16.909 min Scan# 2520

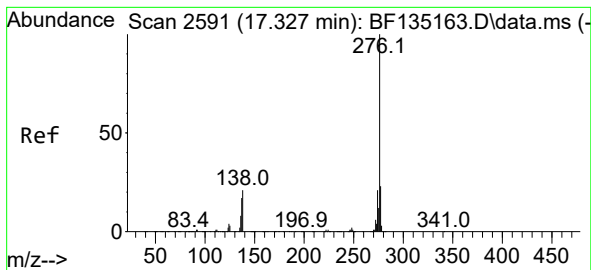
Delta R.T. 0.012 min

Lab File: BF135293.D

Acq: 15 Sep 2023 22:33

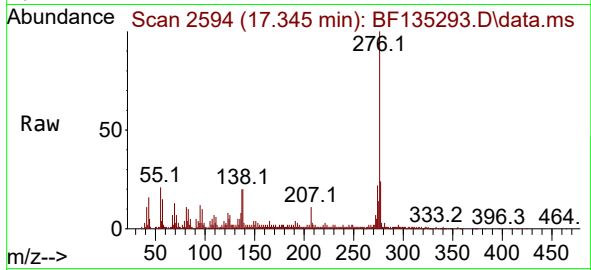
Tgt Ion:	278	Resp:	24511
Ion Ratio	Lower	Upper	
278	100		
139	23.6	13.4	20.0#
279	30.5	19.0	28.6#





#92
 Benzo(g,h,i)perylene
 Concen: 10.446 ng
 RT: 17.345 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: BF135293.D
 Acq: 15 Sep 2023 22:33

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-24313



Tgt Ion:	276	Resp:	9024
Ion Ratio	Lower	Upper	
276	100		
277	24.0	18.8	28.2
138	20.1	16.9	25.3

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/18/2023
 Supervised By :mohammad ahmed 09/19/2023

