

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092823\
 Data File : BF135501.D
 Acq On : 28 Sep 2023 19:08
 Operator : CG\JU
 Sample : 04604-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-092523

Manual Integrations
 APPROVED

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

Quant Time: Sep 28 19:27:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 28 19:03:19 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.745	152	271938	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	953201	20.000	ng	# 0.00
39) Acenaphthene-d10	9.780	164	409320	20.000	ng	0.00
64) Phenanthrene-d10	11.268	188	642260	20.000	ng	# 0.00
76) Chrysene-d12	13.927	240	516772	20.000	ng	0.00
86) Perylene-d12	15.392	264	479918	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	949767	56.805	ng	0.01
7) Phenol-d6	6.398	99	1163654	54.734	ng	0.00
23) Nitrobenzene-d5	7.310	82	715815	40.799	ng	0.00
42) 2,4,6-Tribromophenol	10.574	330	193690	47.617	ng	0.00
45) 2-Fluorobiphenyl	9.104	172	1102938	40.653	ng	0.00
79) Terphenyl-d14	12.863	244	909000	27.268	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.292	178	107809	3.549	ng	98
75) Fluoranthene	12.492	202	319052	10.080	ng	99
78) Pyrene	12.721	202	296862	6.034	ng	98
81) Benzo(a)anthracene	13.915	228	179915	5.392	ng	98
83) Chrysene	13.951	228	171640	5.173	ng	97
87) Indeno(1,2,3-cd)pyrene	16.862	276	71453	2.271	ng	98
88) Benzo(b)fluoranthene	14.962	252	225755m	8.690	ng	
89) Benzo(k)fluoranthene	14.992	252	55133m	2.148	ng	
90) Benzo(a)pyrene	15.327	252	140130	5.656	ng	# 97
92) Benzo(g,h,i)perylene	17.309	276	66804	2.484	ng	# 91

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

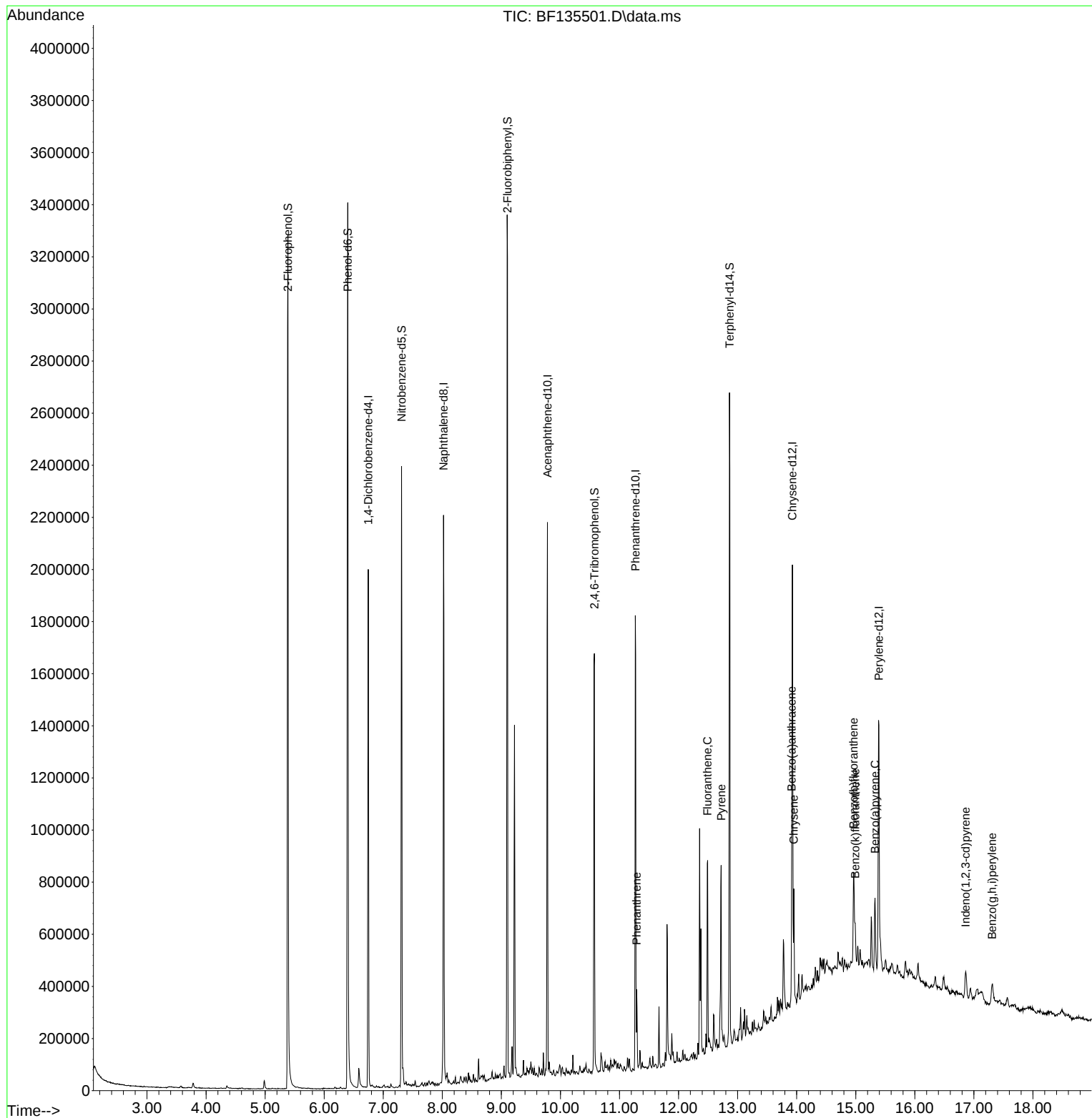
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092823\
Data File : BF135501.D
Acq On : 28 Sep 2023 19:08
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 28 19:03:19 2023
Response via : Initial Calibration





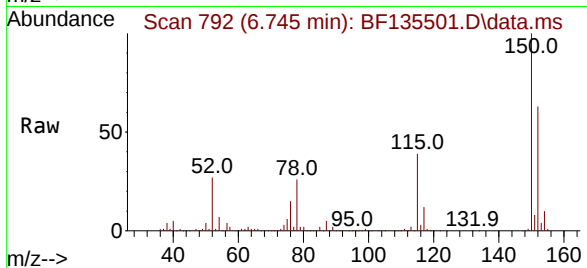
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.745 min Scan# 795
Delta R.T. -0.001 min
Lab File: BF135501.D
Acq: 28 Sep 2023 19:08

Instrument :

BNA_F

ClientSampleId :

TR-04-092523

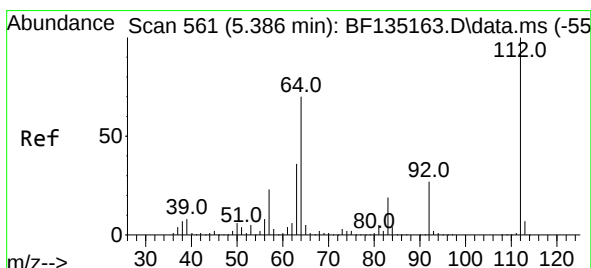
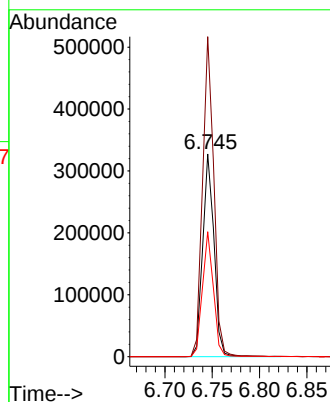
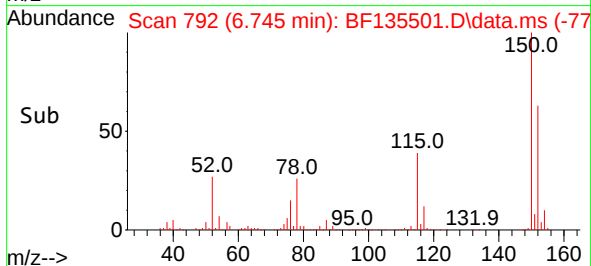


Tgt Ion:152 Resp: 271938
Ion Ratio Lower Upper
152 100
150 157.8 127.8 191.6
115 61.7 49.8 74.8

Manual Integrations

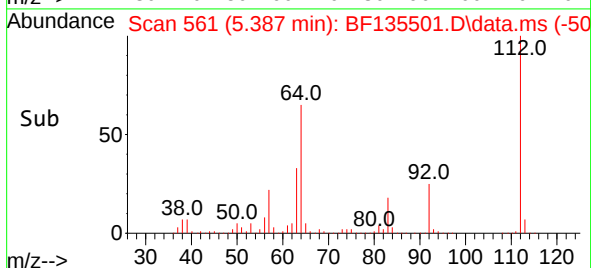
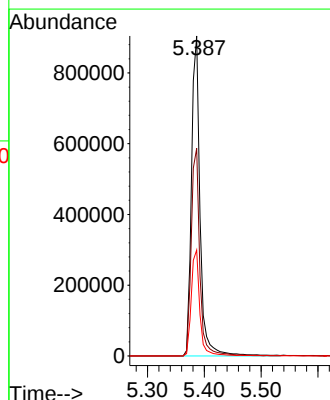
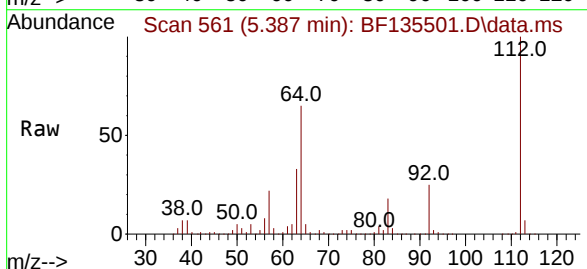
APPROVED

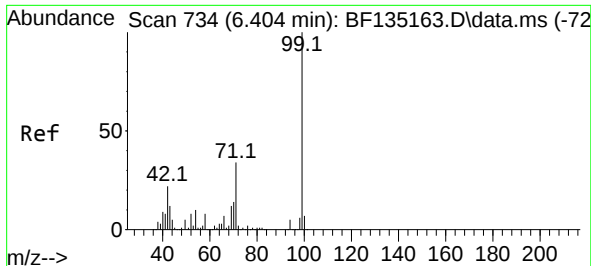
Reviewed By :Yogesh Patel 09/29/2023
Supervised By :mohammad ahmed 09/29/2023



#5
2-Fluorophenol
Concen: 56.805 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.012 min
Lab File: BF135501.D
Acq: 28 Sep 2023 19:08

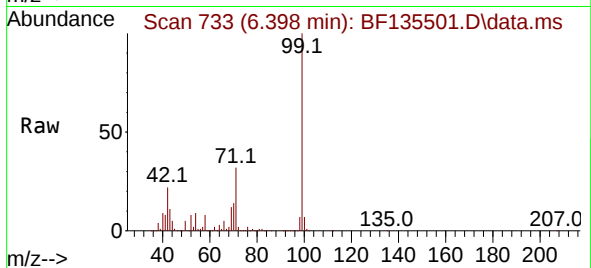
Tgt Ion:112 Resp: 949767
Ion Ratio Lower Upper
112 100
64 64.9 55.9 83.9
63 33.1 29.0 43.6





#7
Phenol-d6
Concen: 54.734 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135501.D
Acq: 28 Sep 2023 19:08

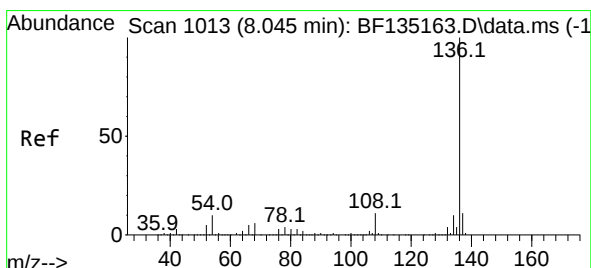
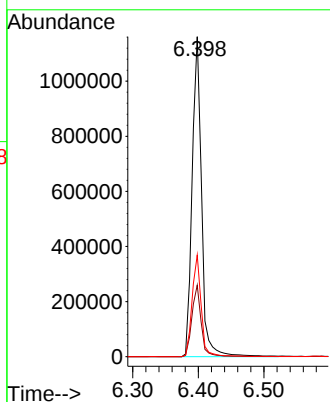
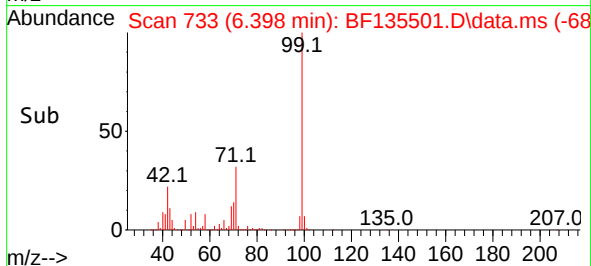
Instrument :
BNA_F
ClientSampleId :
TR-04-092523



Tgt Ion: 99 Resp: 1163654
Ion Ratio Lower Upper
99 100
42 22.4 17.9 26.9
71 31.8 27.0 40.6

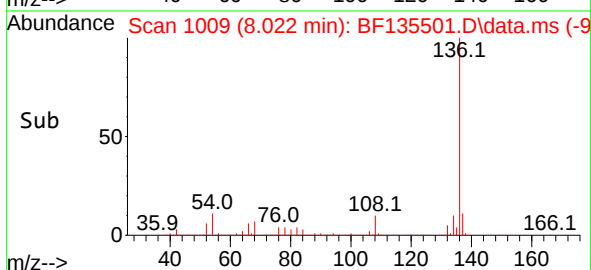
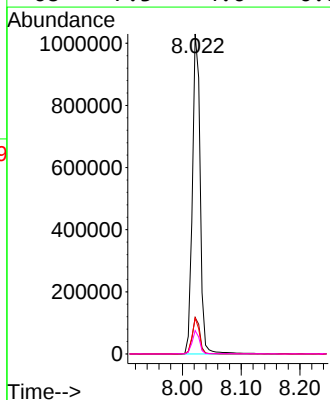
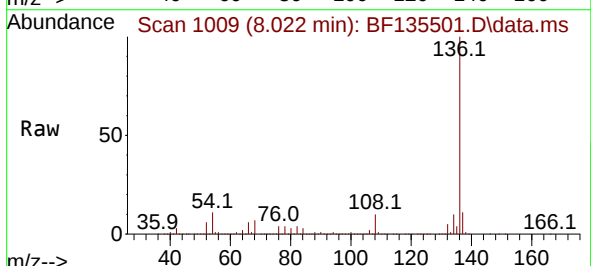
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Supervised By :mohammad ahmed 09/29/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF135501.D
Acq: 28 Sep 2023 19:08

Tgt Ion:136 Resp: 953201
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 11.2 7.7 11.5
68 7.3 4.6 6.8#





#23
Nitrobenzene-d5
Concen: 40.799 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF135501.D
Acq: 28 Sep 2023 19:08

Instrument :

BNA_F

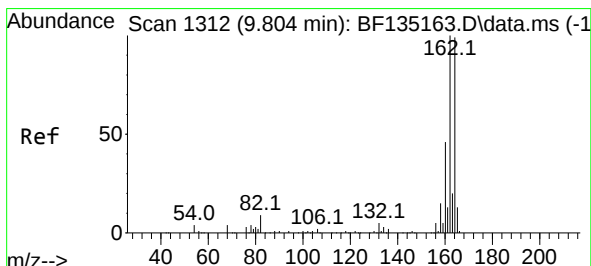
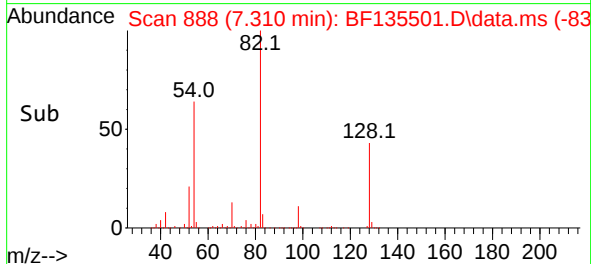
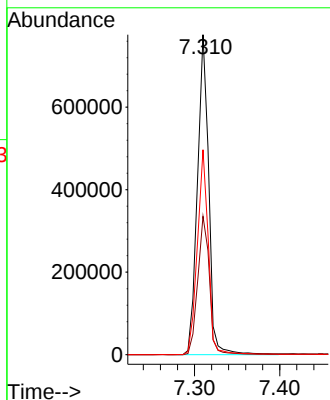
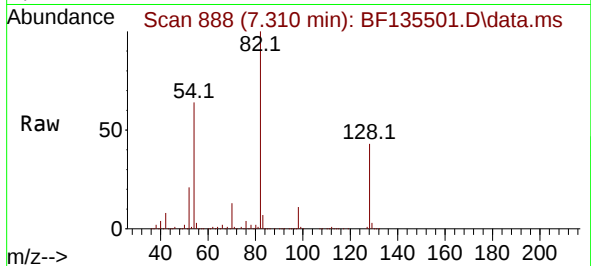
ClientSampleId :

TR-04-092523

Tgt Ion: 82 Resp: 715815
Ion Ratio Lower Upper
82 100
128 43.3 35.8 53.6
54 64.0 50.6 76.0

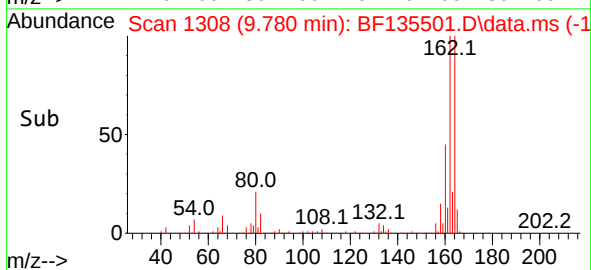
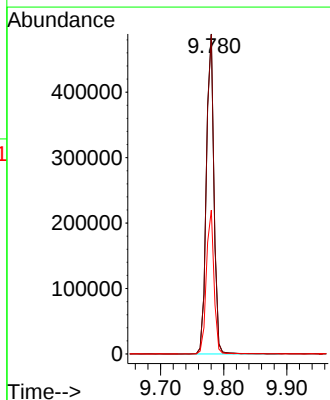
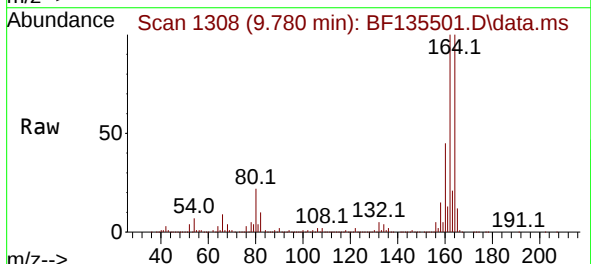
Manual Integrations
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Supervised By :mohammad ahmed 09/29/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.780 min Scan# 1308
Delta R.T. -0.000 min
Lab File: BF135501.D
Acq: 28 Sep 2023 19:08

Tgt Ion:164 Resp: 409320
Ion Ratio Lower Upper
164 100
162 99.8 81.0 121.4
160 44.9 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 47.617 ng
RT: 10.574 min Scan# 1443
Delta R.T. -0.000 min
Lab File: BF135501.D
Acq: 28 Sep 2023 19:08

Instrument :

BNA_F

ClientSampleId :

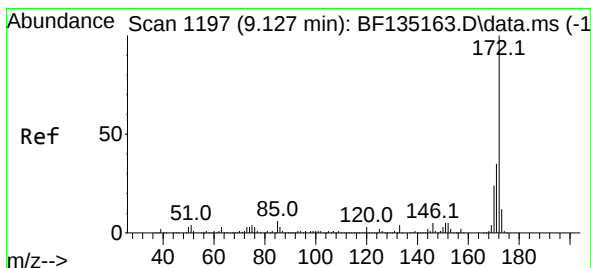
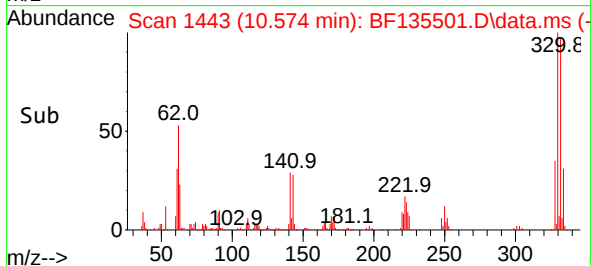
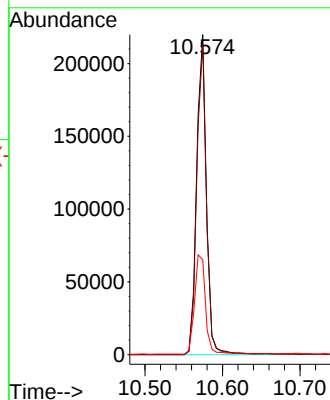
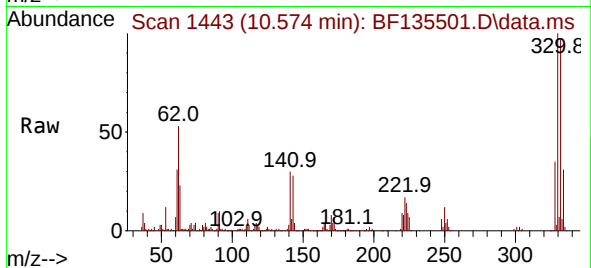
TR-04-092523

Tgt Ion:330 Resp: 193690
Ion Ratio Lower Upper
330 100
332 95.4 77.3 115.9
141 34.3 25.8 38.8

Manual Integrations

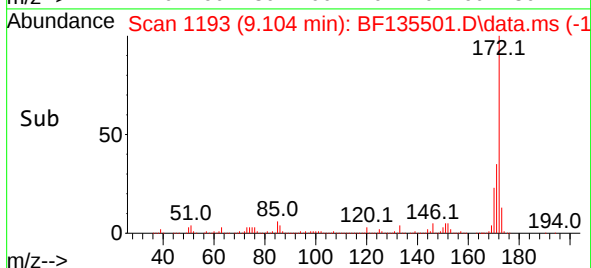
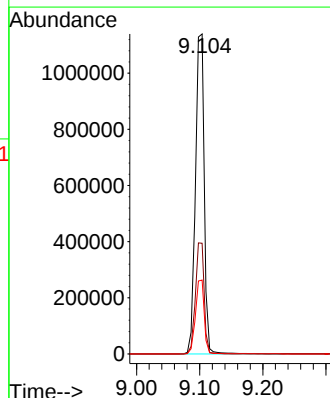
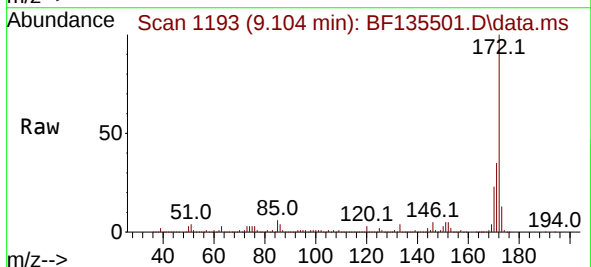
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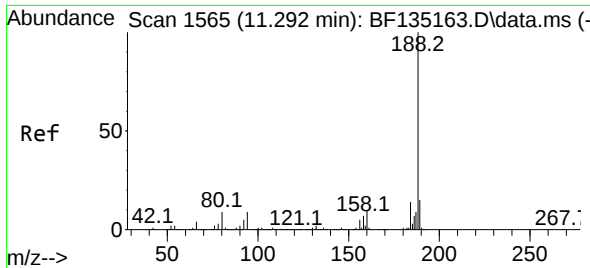
Reviewed By :Yogesh Patel 09/29/2023
Supervised By :mohammad ahmed 09/29/2023



#45
2-Fluorobiphenyl
Concen: 40.653 ng
RT: 9.104 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BF135501.D
Acq: 28 Sep 2023 19:08

Tgt Ion:172 Resp: 1102938
Ion Ratio Lower Upper
172 100
171 34.6 28.4 42.6
170 23.1 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.268 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135501.D
Acq: 28 Sep 2023 19:08

Instrument :

BNA_F

ClientSampleId :

TR-04-092523

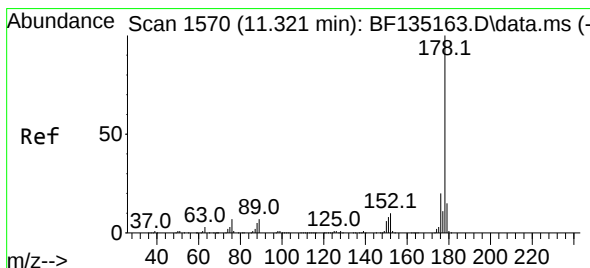
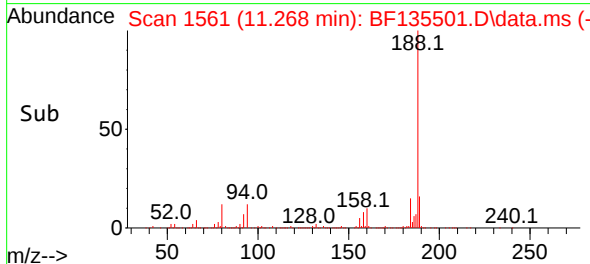
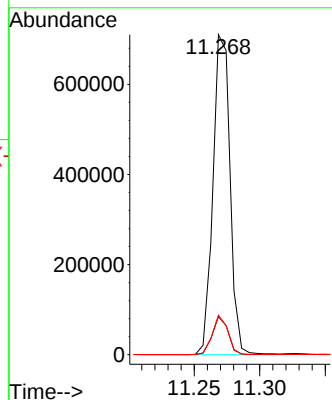
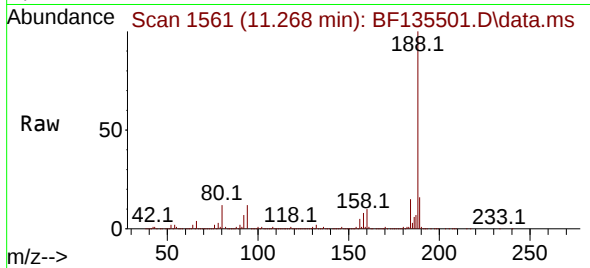
Tgt Ion:188 Resp: 642260
Ion Ratio Lower Upper
188 100
94 11.9 7.0 10.6
80 12.4 7.5 11.3

Manual Integrations

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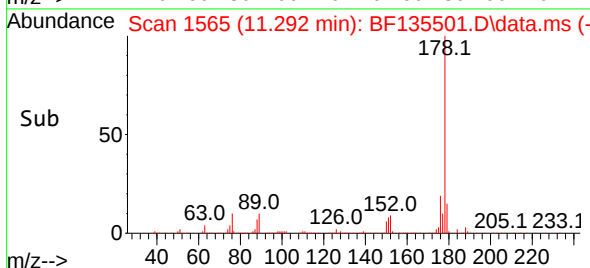
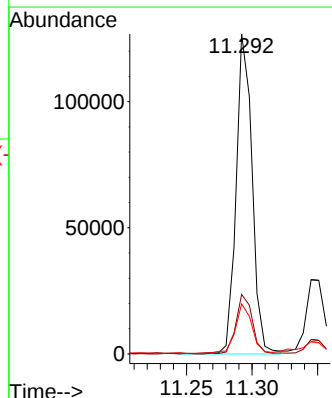
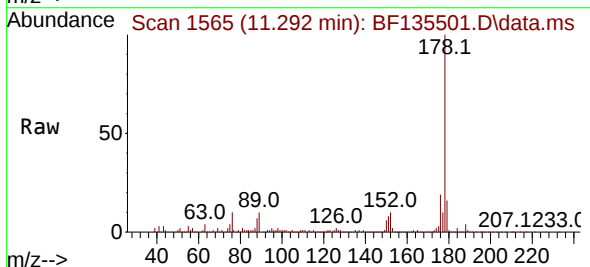
Reviewed By :Yogesh Patel 09/29/2023

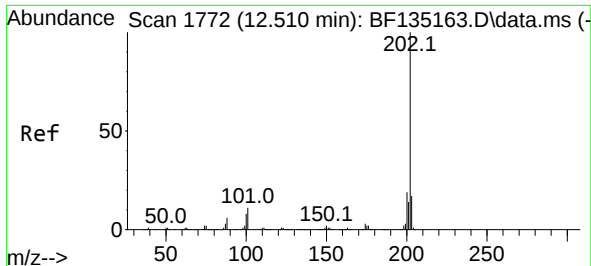
Supervised By :mohammad ahmed 09/29/2023



#71
Phenanthrene
Concen: 3.549 ng
RT: 11.292 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF135501.D
Acq: 28 Sep 2023 19:08

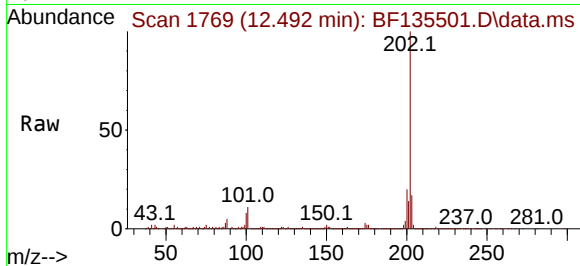
Tgt Ion:178 Resp: 107809
Ion Ratio Lower Upper
178 100
176 18.6 15.6 23.4
179 15.6 12.0 18.0





#75
Fluoranthene
Concen: 10.080 ng
RT: 12.492 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF135501.D
Acq: 28 Sep 2023 19:08

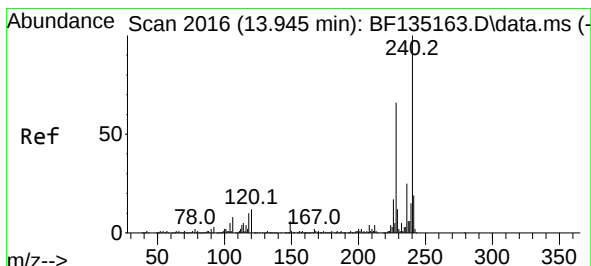
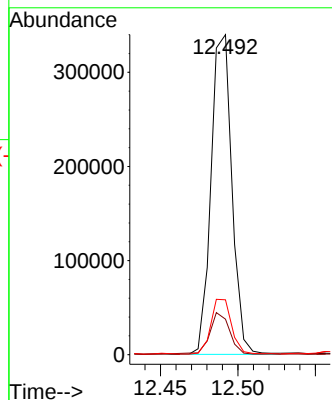
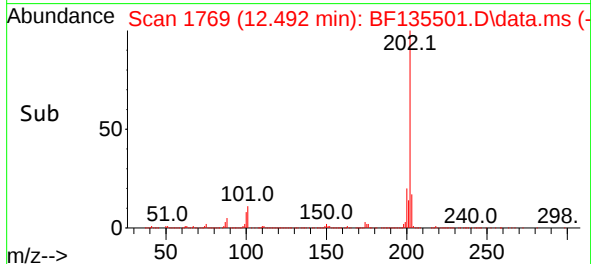
Instrument :
BNA_F
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TR-04-092523



Tgt Ion:202 Resp: 319052
Ion Ratio Lower Upper
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101 11.1 0.0 31.3
203 17.1 0.0 37.4

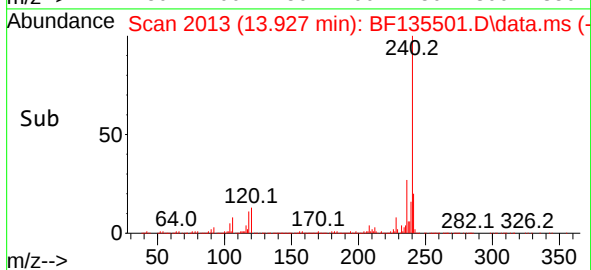
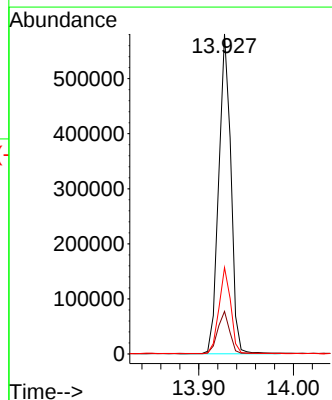
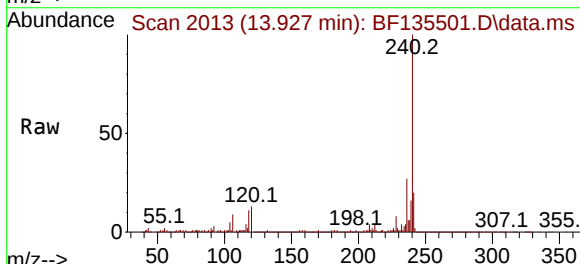
Manual Integrations
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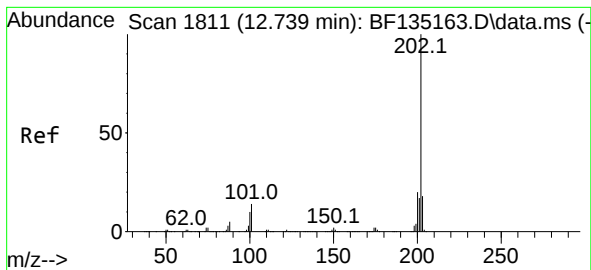
Reviewed By :Yogesh Patel 09/29/2023
Supervised By :mohammad ahmed 09/29/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.927 min Scan# 2013
Delta R.T. -0.000 min
Lab File: BF135501.D
Acq: 28 Sep 2023 19:08

Tgt Ion:240 Resp: 516772
Ion Ratio Lower Upper
240 100
120 13.3 9.4 14.2
236 27.0 19.8 29.8





#78

Pyrene

Concen: 6.034 ng

RT: 12.721 min Scan# 1808

Delta R.T. -0.000 min

Lab File: BF135501.D

Acq: 28 Sep 2023 19:08

Instrument :

BNA_F

ClientSampleId :

TR-04-092523

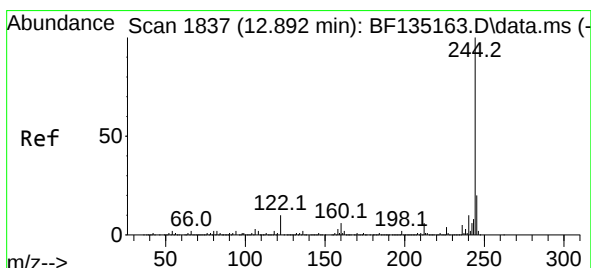
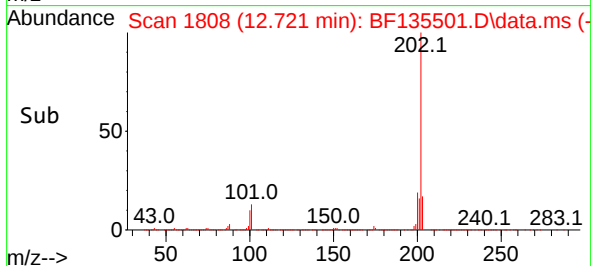
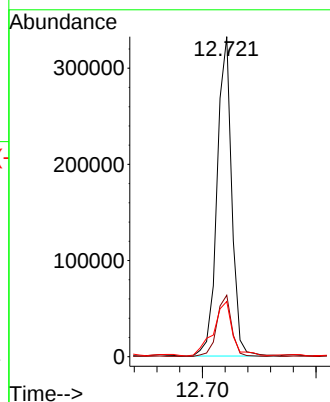
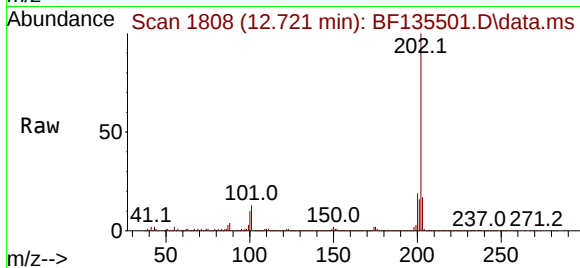
Tgt Ion:202 Resp: 296862
 Ion Ratio Lower Upper
 202 100
 200 19.2 16.2 24.2
 203 17.3 14.2 21.4

Manual Integrations

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Reviewed By :Yogesh Patel 09/29/2023

Supervised By :mohammad ahmed 09/29/2023



#79

Terphenyl-d14

Concen: 27.268 ng

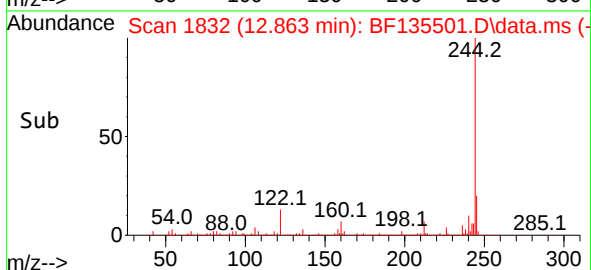
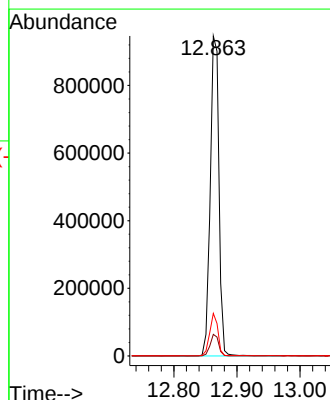
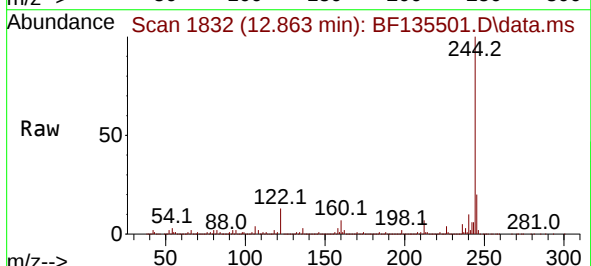
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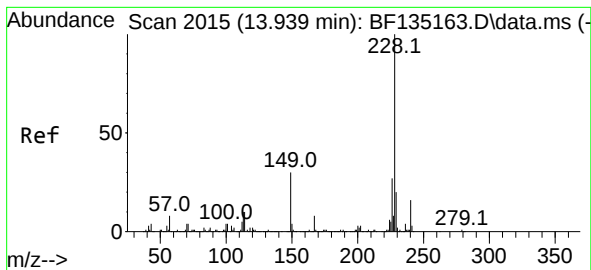
Delta R.T. -0.006 min

Lab File: BF135501.D

Acq: 28 Sep 2023 19:08

Tgt Ion:244 Resp: 909000
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.1 7.7
 122 13.3 7.9 11.9#





#81

Benzo(a)anthracene

Concen: 5.392 ng

RT: 13.915 min Scan# 2011

Delta R.T. -0.000 min

Lab File: BF135501.D

Acq: 28 Sep 2023 19:08

Instrument :

BNA_F

ClientSampleId :

TR-04-092523

Tgt Ion:228 Resp: 179915

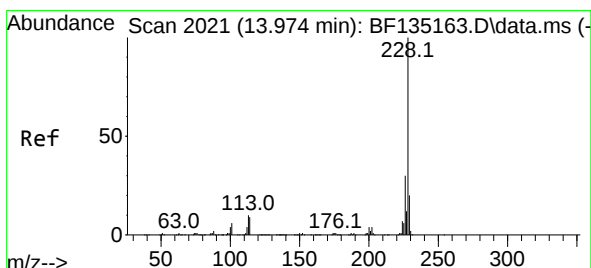
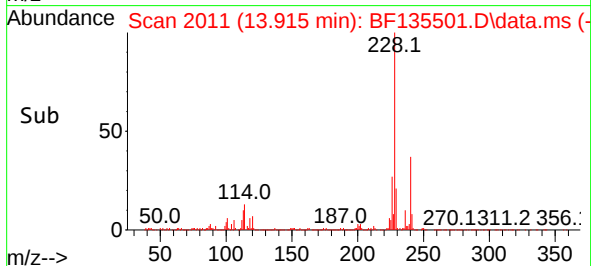
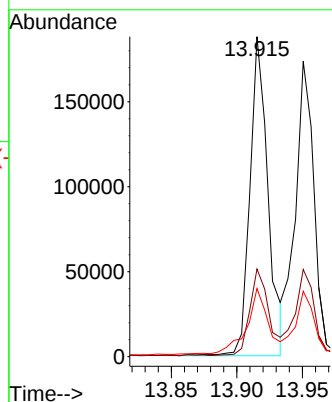
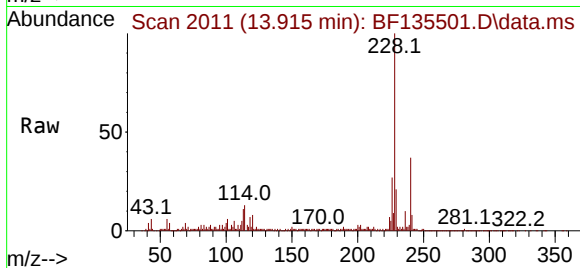
Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.7	32.5
229	21.3	15.8	23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/29/2023

Supervised By :mohammad ahmed 09/29/2023



#83

Chrysene

Concen: 5.173 ng

RT: 13.951 min Scan# 2017

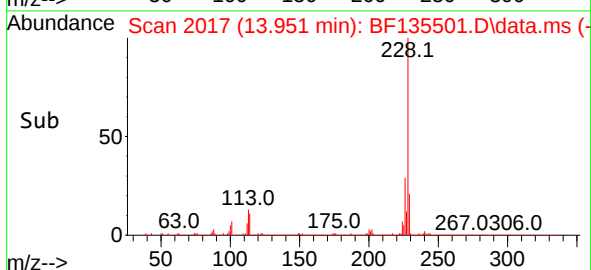
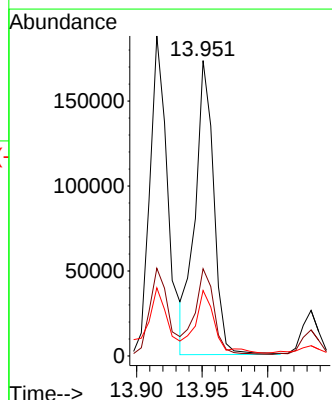
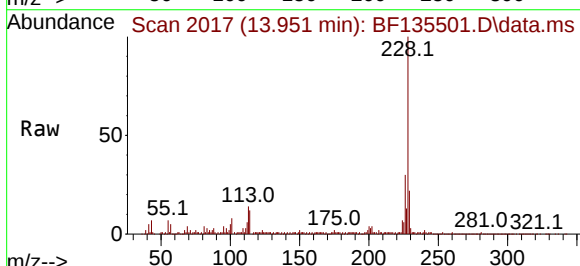
Delta R.T. -0.000 min

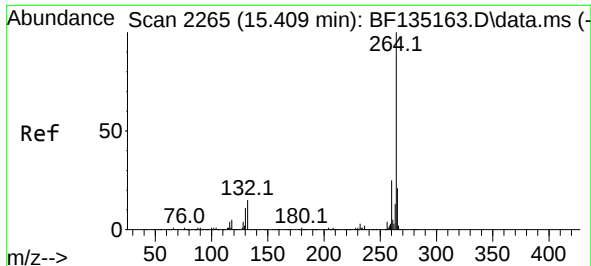
Lab File: BF135501.D

Acq: 28 Sep 2023 19:08

Tgt Ion:228 Resp: 171640

Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.3	36.5
229	22.1	16.0	24.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.392 min Scan# 21
Delta R.T. 0.011 min
Lab File: BF135501.D
Acq: 28 Sep 2023 19:08

Instrument :

BNA_F

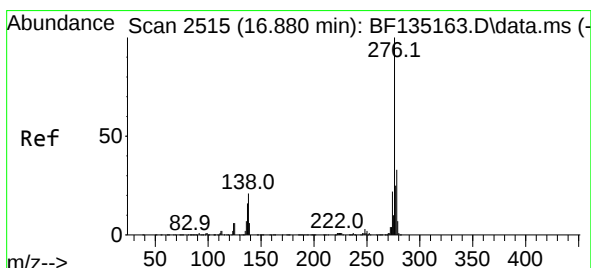
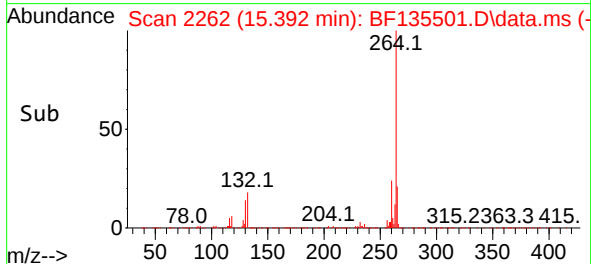
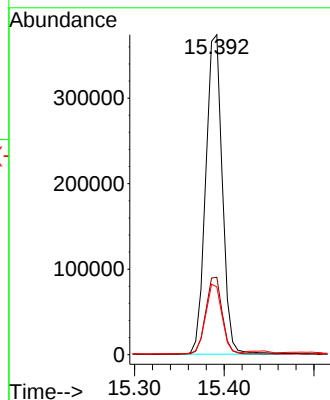
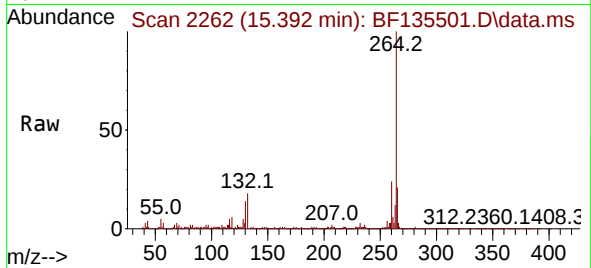
ClientSampleId :

TR-04-092523

Tgt Ion:264 Resp: 479918
Ion Ratio Lower Upper
264 100
260 24.2 19.8 29.6
265 21.2 17.0 25.4

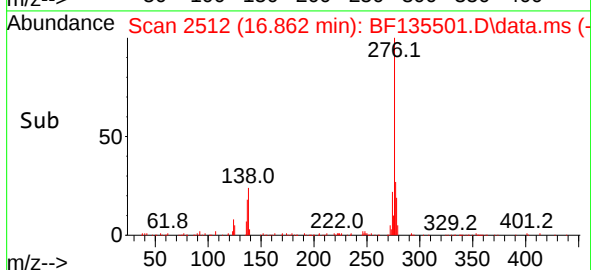
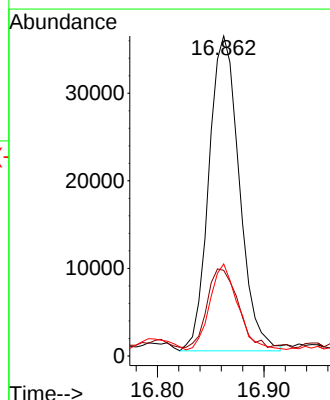
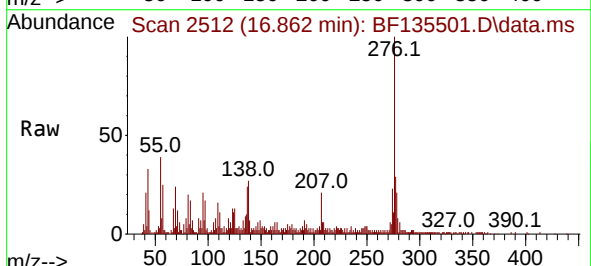
Manual Integrations
APPROVED

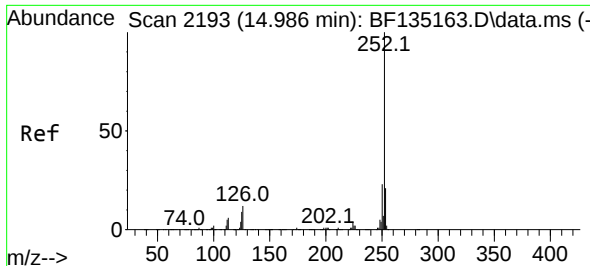
Reviewed By :Yogesh Patel 09/29/2023
Supervised By :mohammad ahmed 09/29/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.271 ng
RT: 16.862 min Scan# 2512
Delta R.T. 0.006 min
Lab File: BF135501.D
Acq: 28 Sep 2023 19:08

Tgt Ion:276 Resp: 71453
Ion Ratio Lower Upper
276 100
138 24.9 19.2 28.8
277 25.4 19.7 29.5





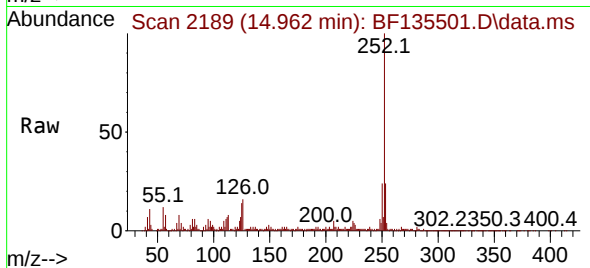
#88
Benzo(b)fluoranthene
Concen: 8.690 ng m
RT: 14.962 min Scan# 2193
Delta R.T. -0.000 min
Lab File: BF135501.D
Acq: 28 Sep 2023 19:08

Instrument :

BNA_F

ClientSampleId :

TR-04-092523

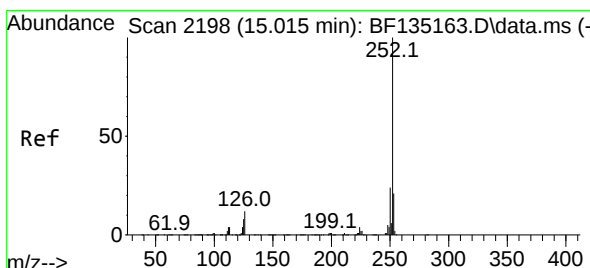
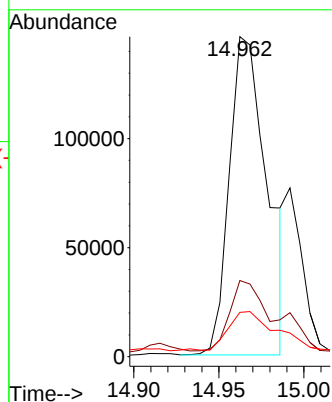
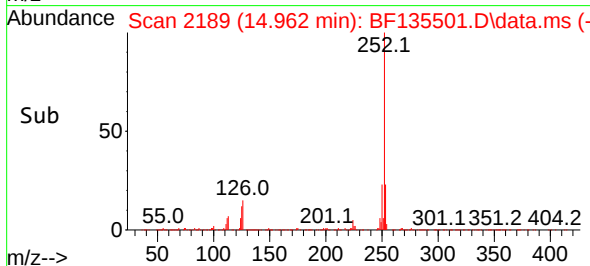


Tgt Ion:252 Resp: 22575
Ion Ratio Lower Upper
252 100
253 23.8 17.2 25.8
125 13.9 7.1 10.7

Manual Integrations

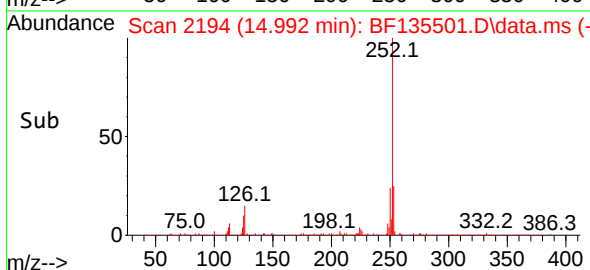
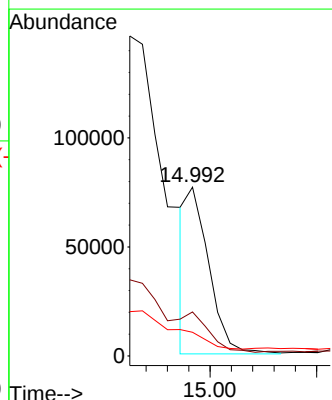
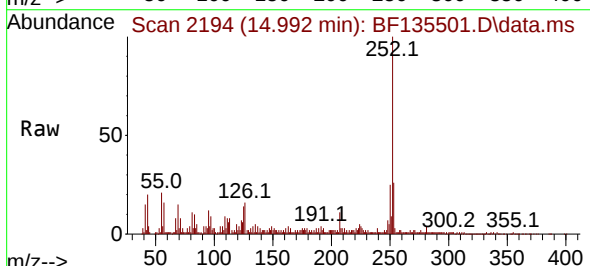
APPROVED

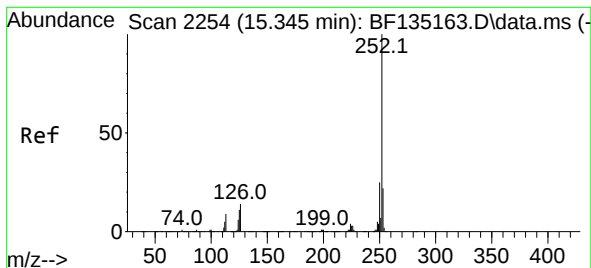
Reviewed By :Yogesh Patel 09/29/2023
Supervised By :mohammad ahmed 09/29/2023



#89
Benzo(k)fluoranthene
Concen: 2.148 ng m
RT: 14.992 min Scan# 2194
Delta R.T. 0.006 min
Lab File: BF135501.D
Acq: 28 Sep 2023 19:08

Tgt Ion:252 Resp: 55133
Ion Ratio Lower Upper
252 100
253 26.1 17.4 26.0#
125 14.0 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 5.656 ng

RT: 15.327 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135501.D

Acq: 28 Sep 2023 19:08

Instrument :

BNA_F

ClientSampleId :

TR-04-092523

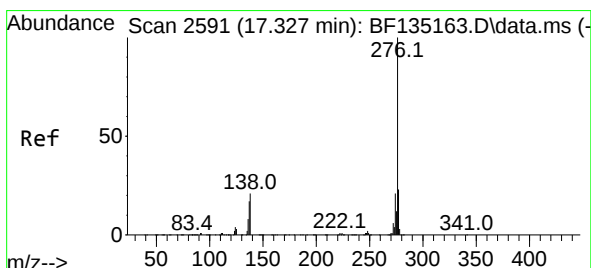
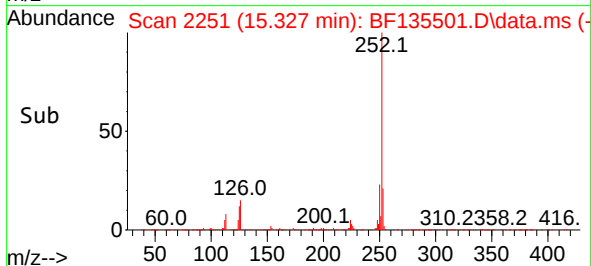
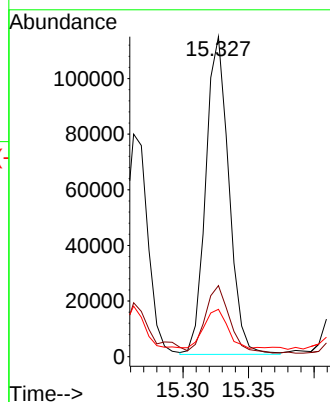
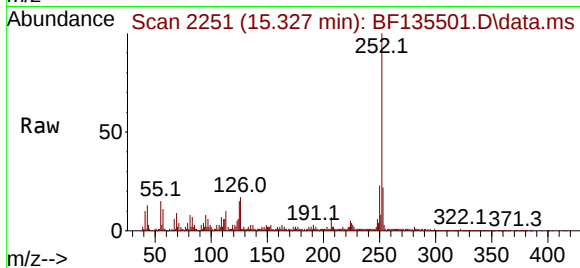
Tgt Ion:	252	Resp:	140130
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.5	26.3
125	14.8	9.2	13.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/29/2023

Supervised By :mohammad ahmed 09/29/2023



#92

Benzo(g,h,i)perylene

Concen: 2.484 ng

RT: 17.309 min Scan# 2588

Delta R.T. 0.011 min

Lab File: BF135501.D

Acq: 28 Sep 2023 19:08

Tgt Ion:	276	Resp:	66804
Ion Ratio	Lower	Upper	
276	100		
277	25.3	18.8	28.2
138	28.0	16.9	25.3

