

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100423\
 Data File : BF135596.D
 Acq On : 05 Oct 2023 05:09
 Operator : CG\JU
 Sample : 04703-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E9066-OB-001

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/05/2023
 Supervised By :mohammad ahmed 10/06/2023

Quant Time: Oct 05 06:53:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 04 17:06:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	110690	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	389508	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	163149	20.000	ng	0.00
64) Phenanthrene-d10	11.263	188	254271	20.000	ng	0.00
76) Chrysene-d12	13.927	240	168614	20.000	ng	0.00
86) Perylene-d12	15.392	264	139964	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	615625	90.458	ng	0.00
7) Phenol-d6	6.387	99	763501	88.228	ng	0.00
23) Nitrobenzene-d5	7.304	82	465956	64.993	ng	0.00
42) 2,4,6-Tribromophenol	10.569	330	126959	78.307	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	771246	71.321	ng	0.00
79) Terphenyl-d14	12.863	244	636845	58.550	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.039	128	41128	2.173	ng	98
71) Phenanthrene	11.292	178	153846	12.793	ng	98
72) Anthracene	11.345	178	37479	3.032	ng	97
75) Fluoranthene	12.486	202	245265	19.573	ng	99
78) Pyrene	12.716	202	258092	16.077	ng	98
81) Benzo(a)anthracene	13.916	228	99285	9.119	ng	98
83) Chrysene	13.951	228	88526	8.178	ng	96
87) Indeno(1,2,3-cd)pyrene	16.886	276	31500	3.433	ng	97
88) Benzo(b)fluoranthene	14.968	252	79848m	10.539	ng	
89) Benzo(k)fluoranthene	14.992	252	26386m	3.525	ng	
90) Benzo(a)pyrene	15.333	252	57925	8.017	ng	# 92
92) Benzo(g,h,i)perylene	17.333	276	32729	4.174	ng	96

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

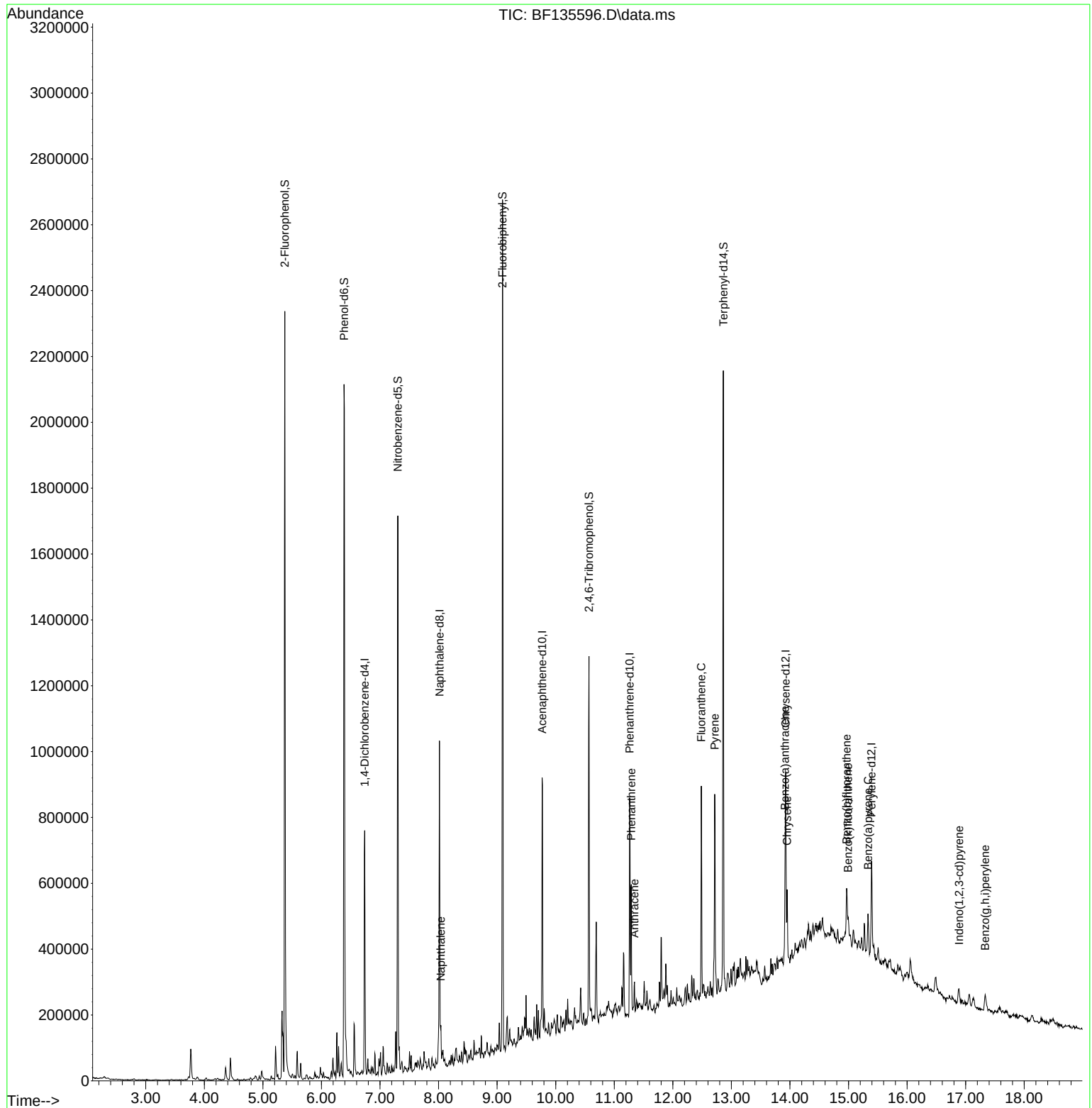
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100423\
Data File : BF135596.D
Acq On : 05 Oct 2023 05:09
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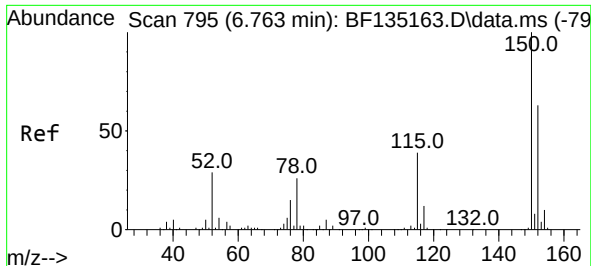
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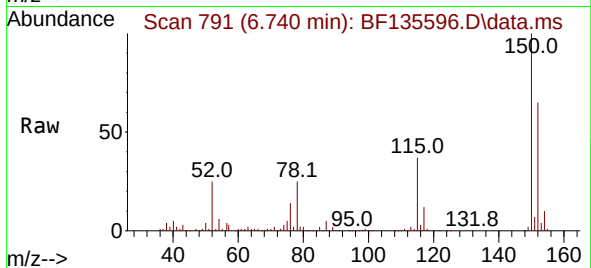
Quant Time: Oct 05 06:53:13 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 04 17:06:20 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 795
Delta R.T. 0.001 min
Lab File: BF135596.D
Acq: 05 Oct 2023 05:09

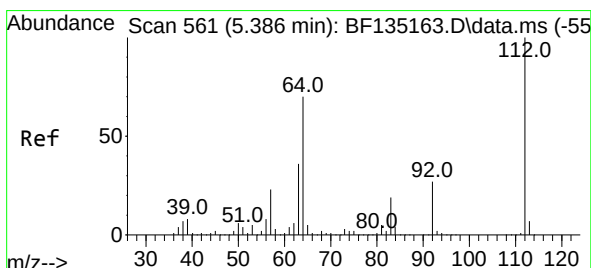
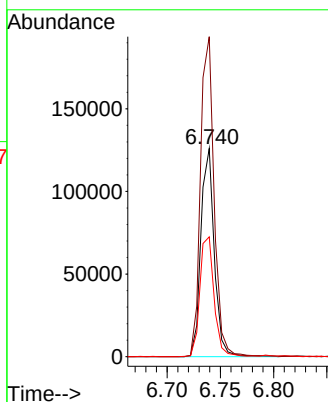
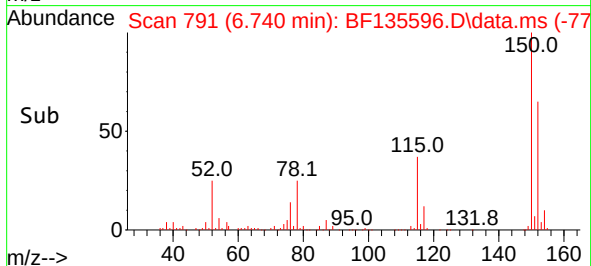
Instrument :
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ClientSampleId :
E9066-OB-001



Tgt Ion:152 Resp: 110690
Ion Ratio Lower Upper
152 100
150 153.7 127.8 191.6
115 57.6 49.8 74.8

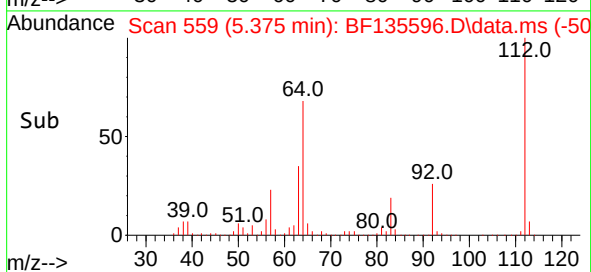
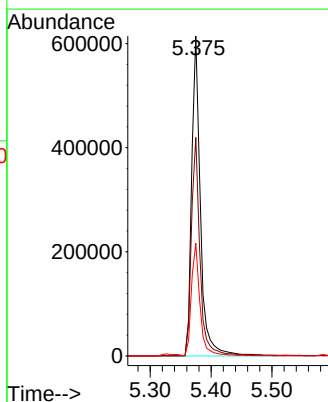
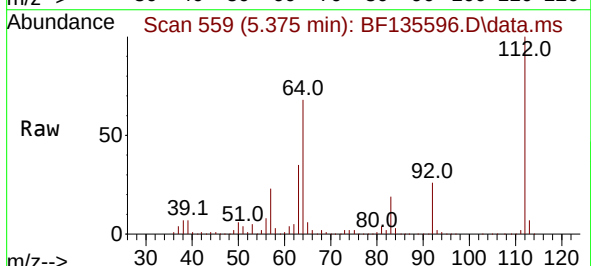
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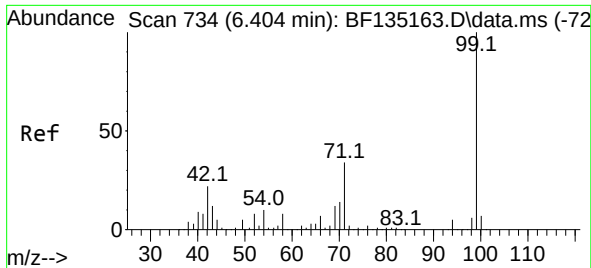
Reviewed By :Yogesh Patel 10/05/2023
Supervised By :mohammad ahmed 10/06/2023



#5
2-Fluorophenol
Concen: 90.458 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.006 min
Lab File: BF135596.D
Acq: 05 Oct 2023 05:09

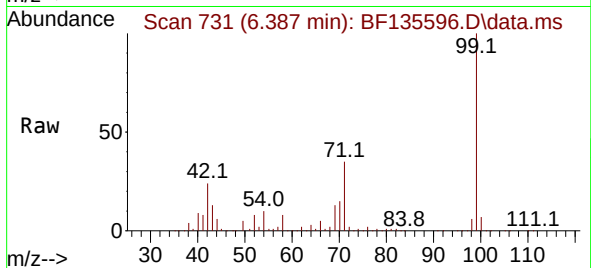
Tgt Ion:112 Resp: 615625
Ion Ratio Lower Upper
112 100
64 68.3 55.9 83.9
63 35.2 29.0 43.6





#7
Phenol-d6
Concen: 88.228 ng
RT: 6.387 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135596.D
Acq: 05 Oct 2023 05:09

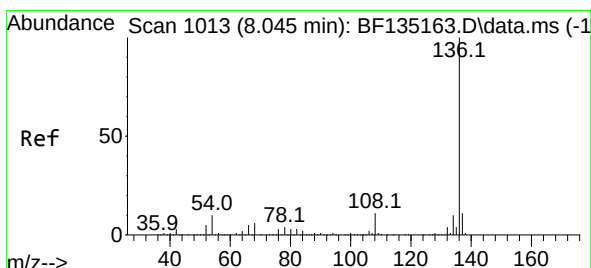
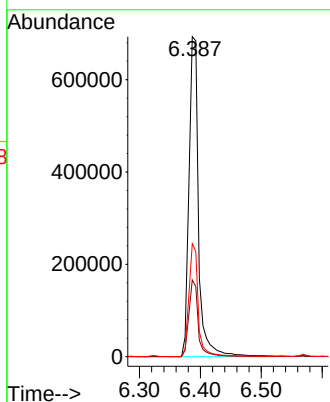
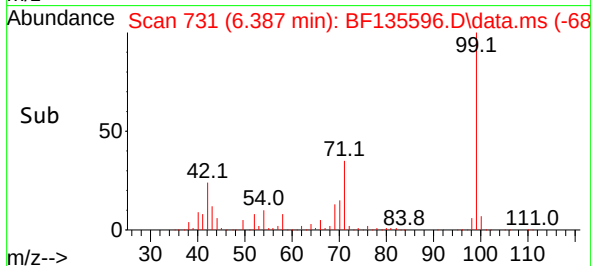
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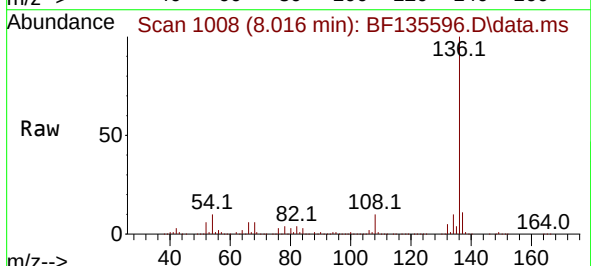
Tgt Ion: 99 Resp: 76350
Ion Ratio Lower Upper
99 100
42 24.0 17.9 26.9
71 35.3 27.0 40.6

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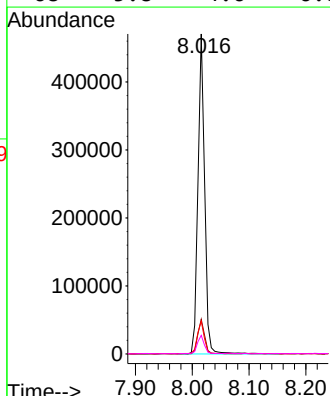
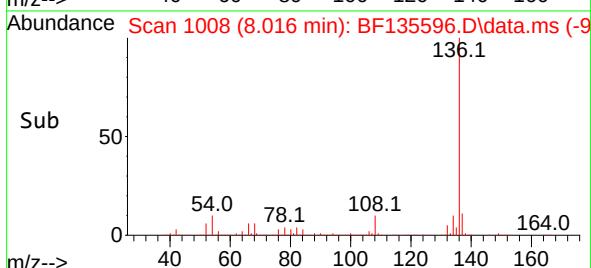
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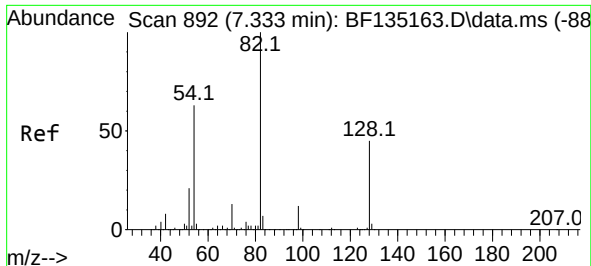


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF135596.D
Acq: 05 Oct 2023 05:09



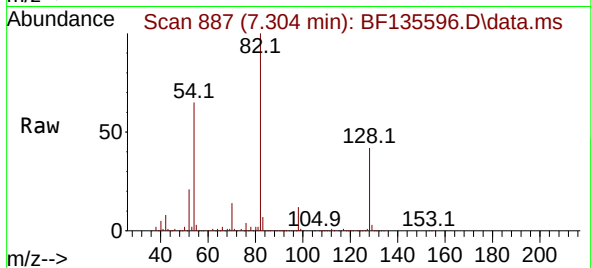
Tgt Ion:136 Resp: 389508
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 10.2 7.7 11.5
68 5.8 4.6 6.8





#23
Nitrobenzene-d5
Concen: 64.993 ng
RT: 7.304 min Scan# 88
Delta R.T. -0.006 min
Lab File: BF135596.D
Acq: 05 Oct 2023 05:09

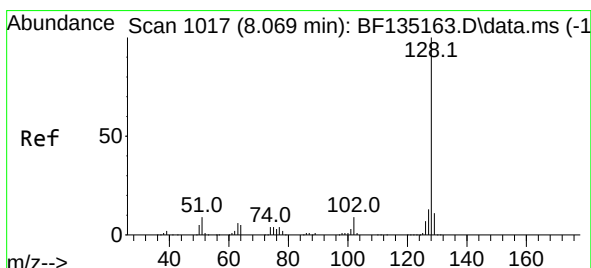
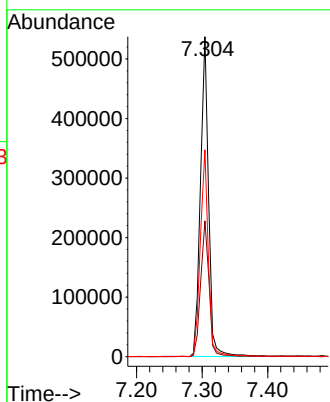
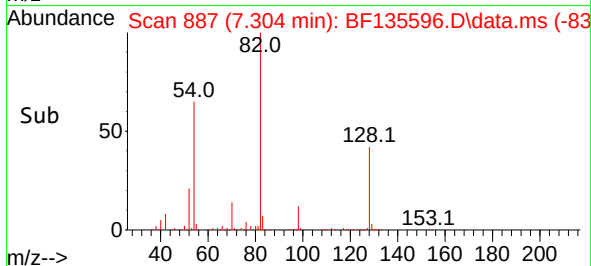
Instrument :
BNA_F
ClientSampleId :
E9066-OB-001



Tgt Ion: 82 Resp: 465950
Ion Ratio Lower Upper
82 100
128 42.5 35.8 53.6
54 64.7 50.6 76.0

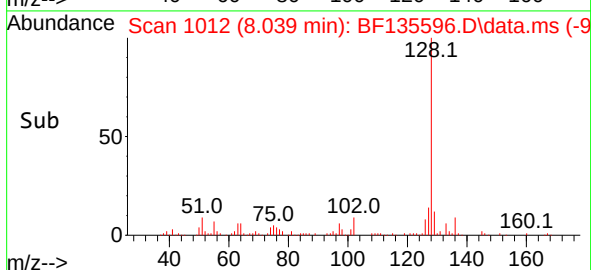
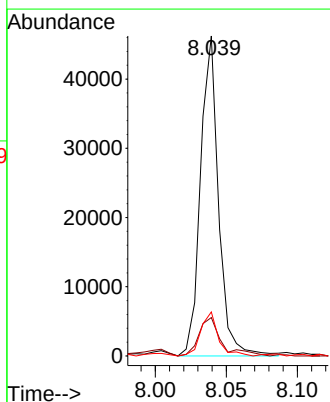
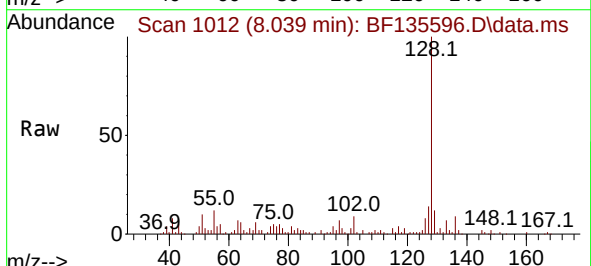
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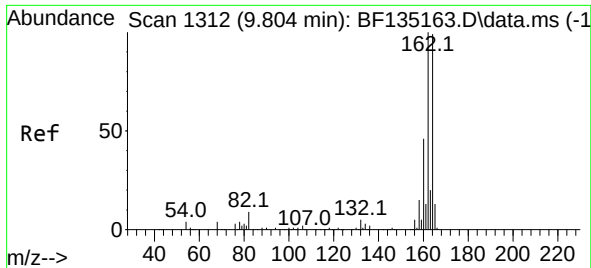
Reviewed By :Yogesh Patel 10/05/2023
Supervised By :mohammad ahmed 10/06/2023



#31
Naphthalene
Concen: 2.173 ng
RT: 8.039 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BF135596.D
Acq: 05 Oct 2023 05:09

Tgt Ion:128 Resp: 41128
Ion Ratio Lower Upper
128 100
129 12.0 8.7 13.1
127 13.7 10.7 16.1





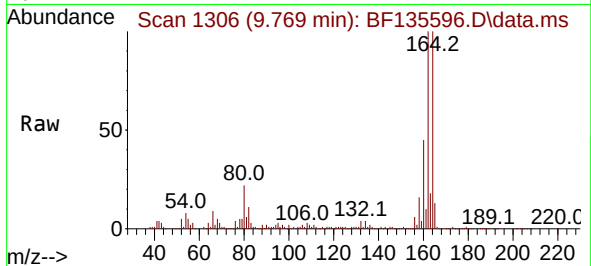
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.769 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135596.D
Acq: 05 Oct 2023 05:09

Instrument :

BNA_F

ClientSampleId :

E9066-OB-001



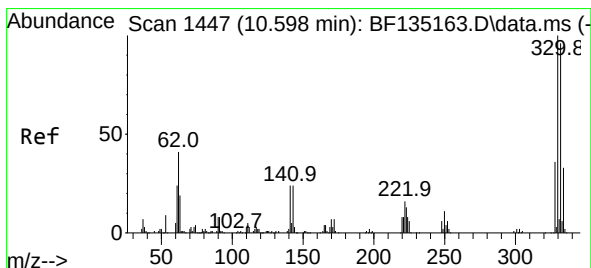
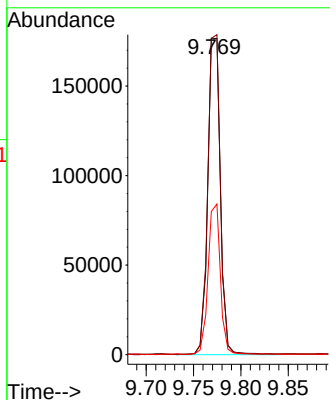
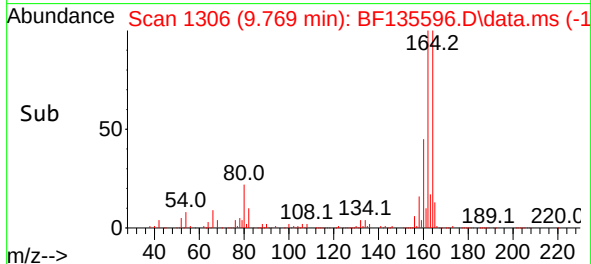
Tgt Ion:164 Resp: 163149
Ion Ratio Lower Upper
164 100
162 100.0 81.0 121.4
160 45.3 37.0 55.4

Manual Integrations

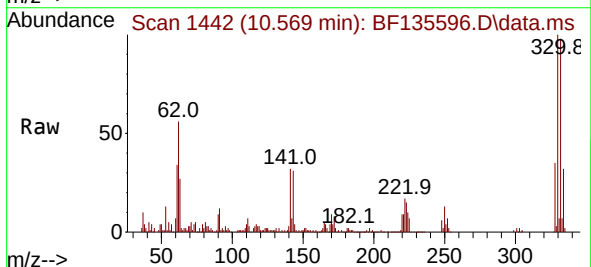
APPROVED

Reviewed By :Yogesh Patel 10/05/2023

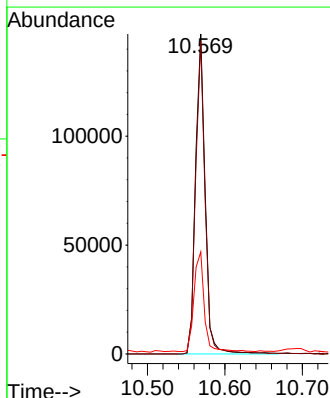
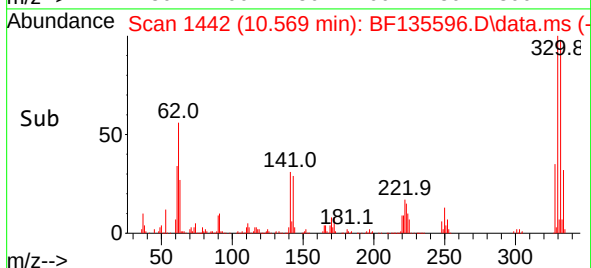
Supervised By :mohammad ahmed 10/06/2023

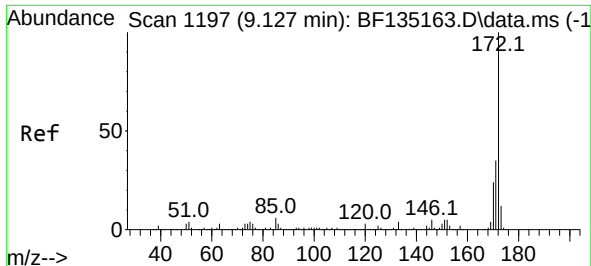


#42
2,4,6-Tribromophenol
Concen: 78.307 ng
RT: 10.569 min Scan# 1442
Delta R.T. 0.000 min
Lab File: BF135596.D
Acq: 05 Oct 2023 05:09



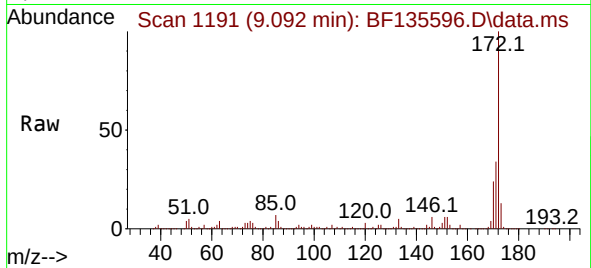
Tgt Ion:330 Resp: 126959
Ion Ratio Lower Upper
330 100
332 96.5 77.3 115.9
141 33.2 25.8 38.8





#45
2-Fluorobiphenyl
Concen: 71.321 ng
RT: 9.092 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF135596.D
Acq: 05 Oct 2023 05:09

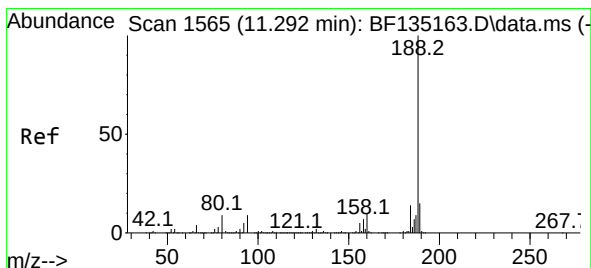
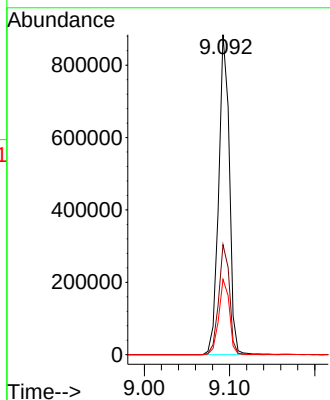
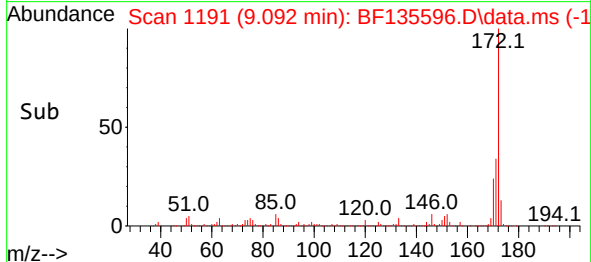
Instrument :
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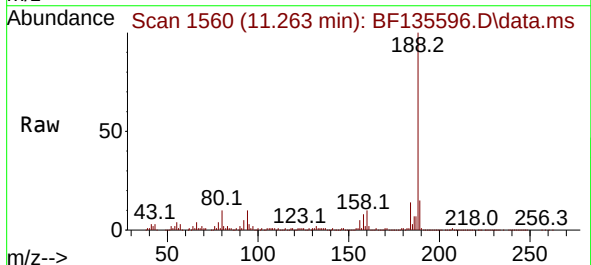
Tgt Ion:172 Resp: 771240
Ion Ratio Lower Upper
172 100
171 34.4 28.4 42.6
170 23.6 19.0 28.4

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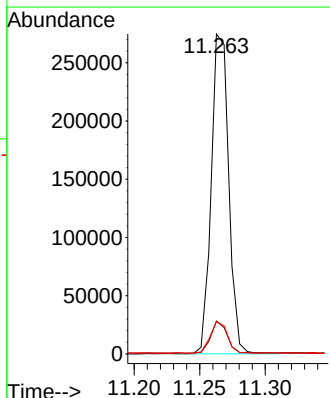
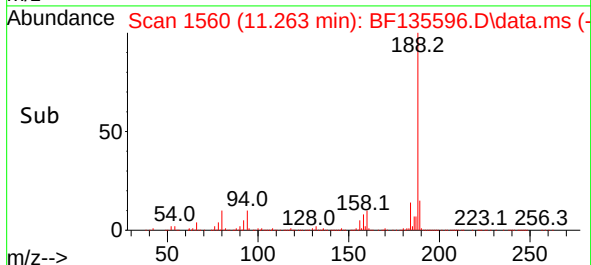
Reviewed By :Yogesh Patel 10/05/2023
Supervised By :mohammad ahmed 10/06/2023

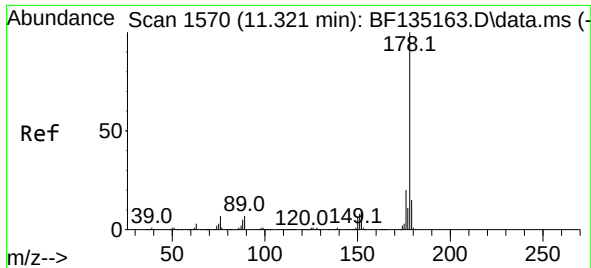


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF135596.D
Acq: 05 Oct 2023 05:09



Tgt Ion:188 Resp: 254271
Ion Ratio Lower Upper
188 100
94 10.3 7.0 10.6
80 10.1 7.5 11.3





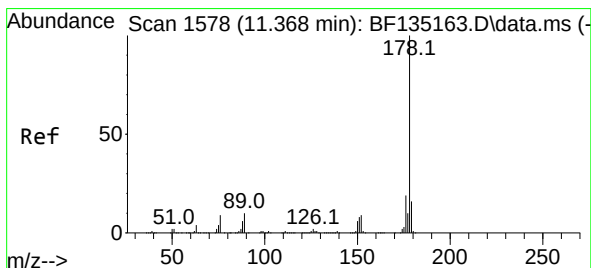
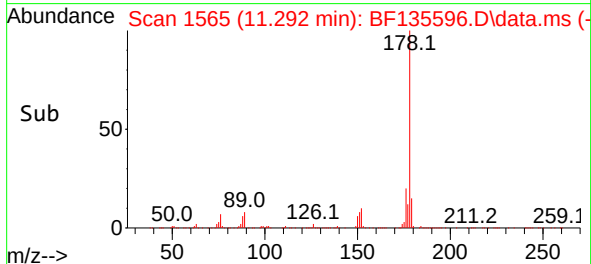
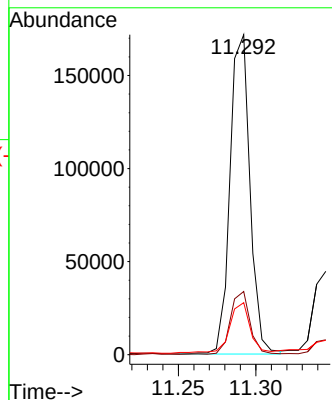
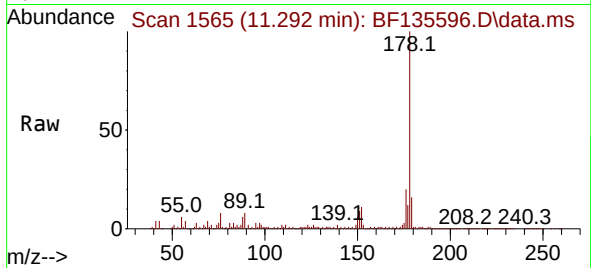
#71
Phenanthrene
Concen: 12.793 ng
RT: 11.292 min Scan# 11292
Delta R.T. 0.000 min
Lab File: BF135596.D
Acq: 05 Oct 2023 05:09

Instrument :
BNA_F
ClientSampleId :
E9066-OB-001

Tgt Ion:178 Resp: 153840
Ion Ratio Lower Upper
178 100
176 19.7 15.6 23.4
179 16.3 12.0 18.0

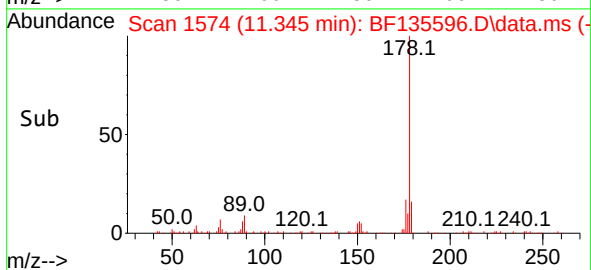
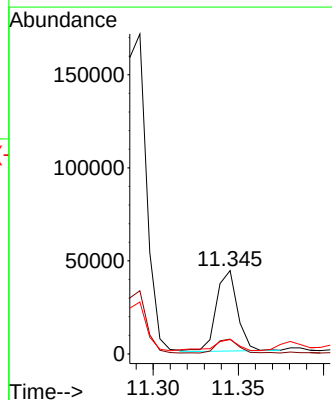
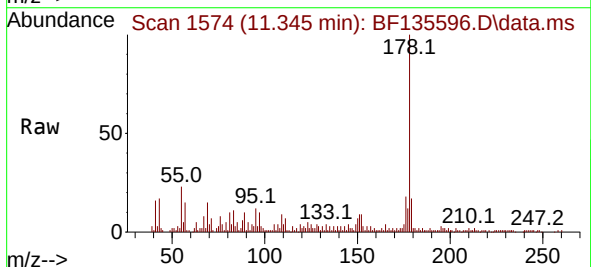
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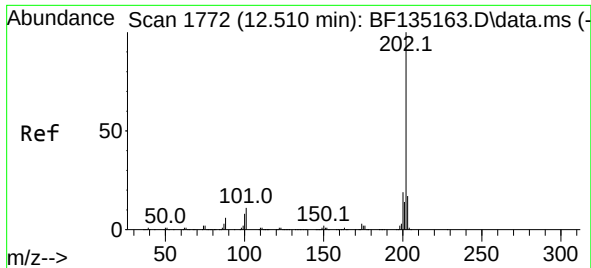
Reviewed By :Yogesh Patel 10/05/2023
Supervised By :mohammad ahmed 10/06/2023



#72
Anthracene
Concen: 3.032 ng
RT: 11.345 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF135596.D
Acq: 05 Oct 2023 05:09

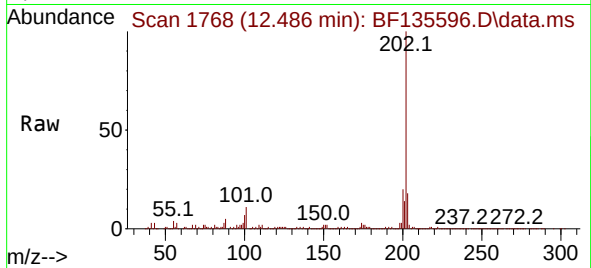
Tgt Ion:178 Resp: 37479
Ion Ratio Lower Upper
178 100
176 17.8 15.4 23.2
179 17.2 12.6 19.0





#75
Fluoranthene
Concen: 19.573 ng
RT: 12.486 min Scan# 1768
Delta R.T. 0.000 min
Lab File: BF135596.D
Acq: 05 Oct 2023 05:09

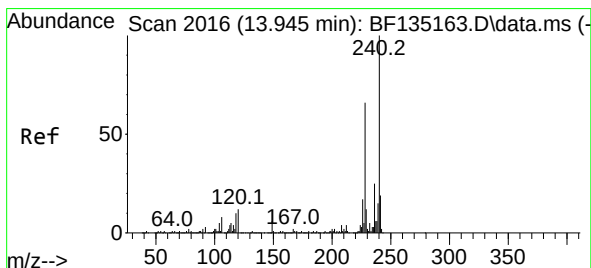
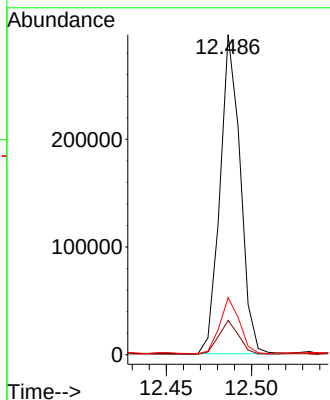
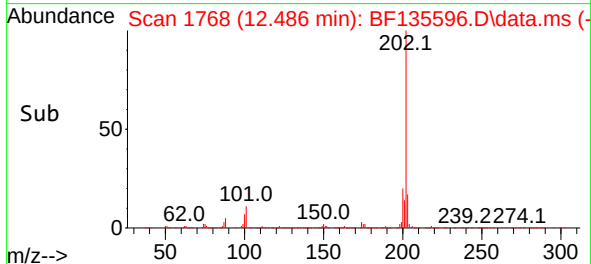
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:202 Resp: 24526
Ion Ratio Lower Upper
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101 10.7 0.0 31.3
203 17.8 0.0 37.4

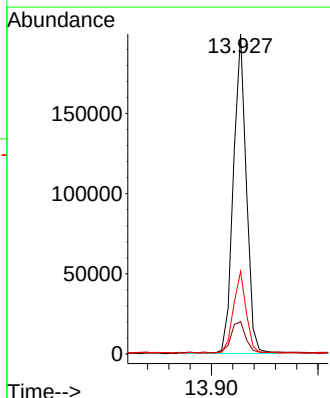
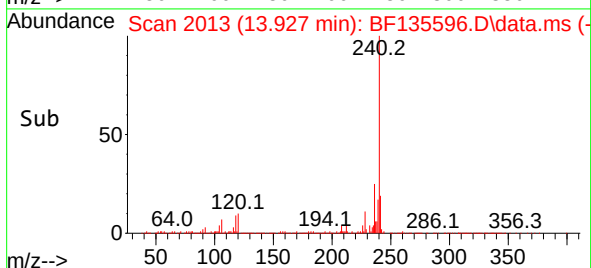
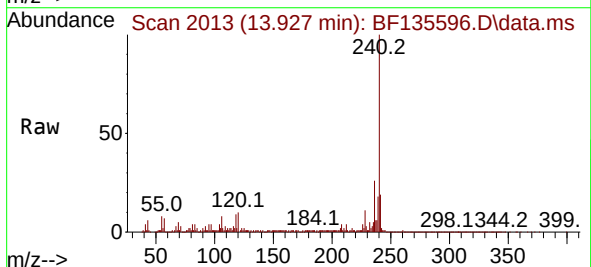
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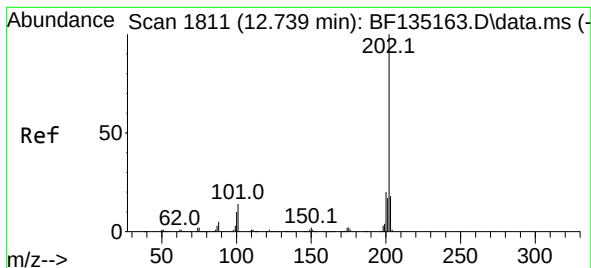
Reviewed By :Yogesh Patel 10/05/2023
Supervised By :mohammad ahmed 10/06/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.927 min Scan# 2013
Delta R.T. 0.000 min
Lab File: BF135596.D
Acq: 05 Oct 2023 05:09

Tgt Ion:240 Resp: 168614
Ion Ratio Lower Upper
240 100
120 10.1 9.4 14.2
236 25.8 19.8 29.8





#78

Pyrene

Concen: 16.077 ng

RT: 12.716 min Scan# 1807

Delta R.T. 0.000 min

Lab File: BF135596.D

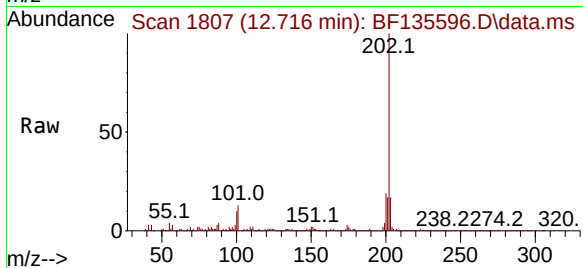
Acq: 05 Oct 2023 05:09

Instrument :

BNA_F

ClientSampleId :

E9066-OB-001



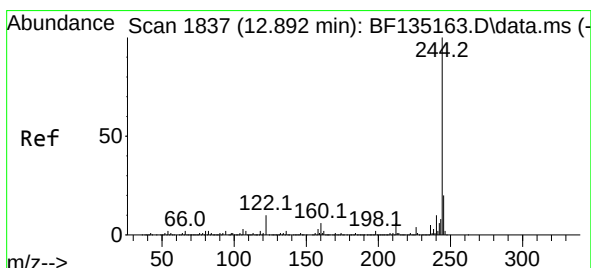
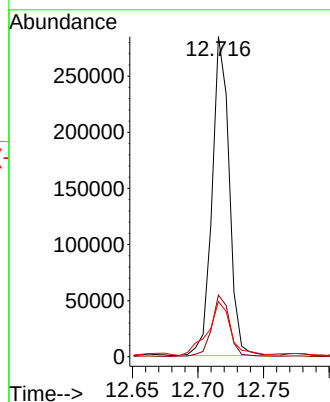
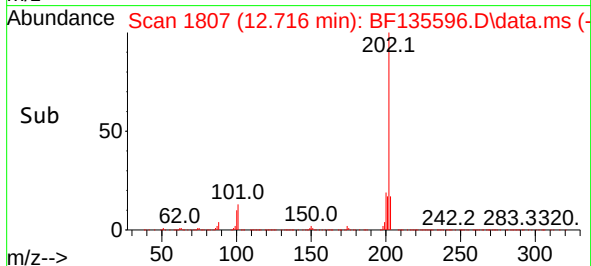
Tgt Ion:	202	Resp:	258092
Ion Ratio	Lower	Upper	
202	100		
200	19.3	16.2	24.2
203	17.2	14.2	21.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/05/2023

Supervised By :mohammad ahmed 10/06/2023



#79

Terphenyl-d14

Concen: 58.550 ng

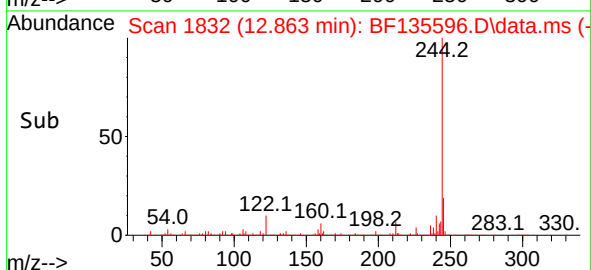
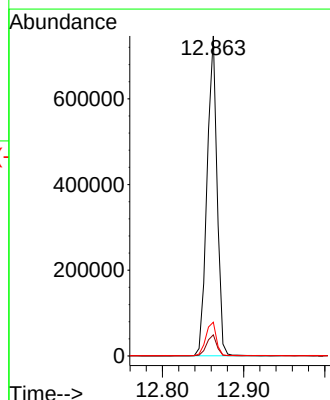
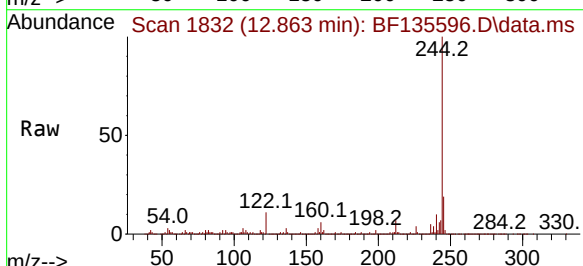
RT: 12.863 min Scan# 1832

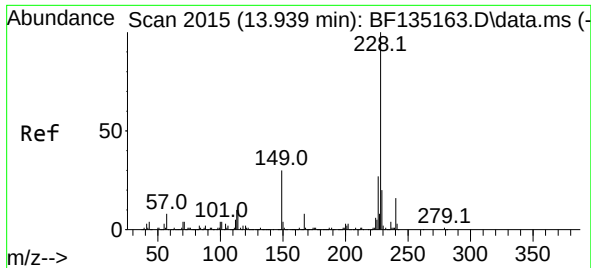
Delta R.T. 0.000 min

Lab File: BF135596.D

Acq: 05 Oct 2023 05:09

Tgt Ion:	244	Resp:	636845
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.1	7.7
122	10.6	7.9	11.9





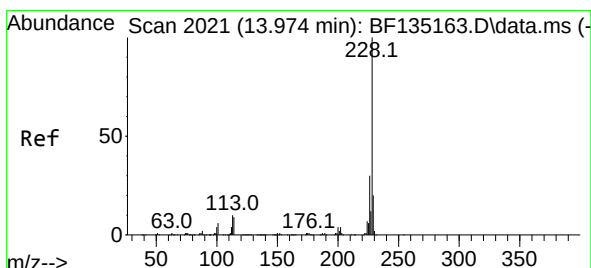
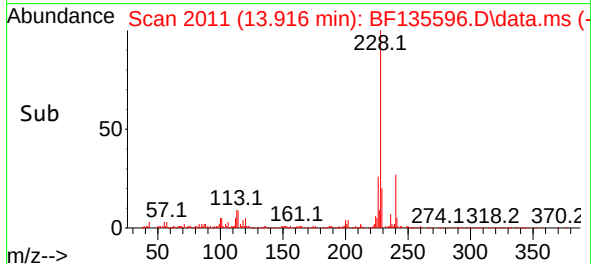
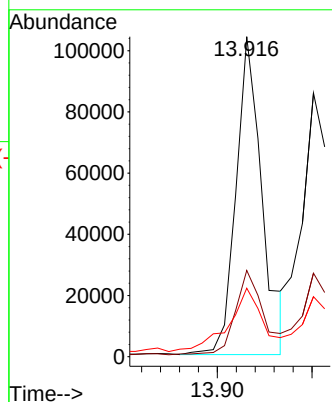
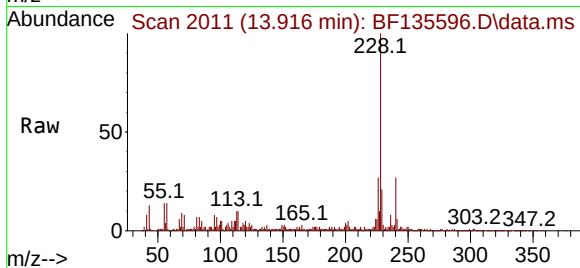
#81
Benzo(a)anthracene
Concen: 9.119 ng
RT: 13.916 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF135596.D
Acq: 05 Oct 2023 05:09

Instrument :
BNA_F
ClientSampleId :
E9066-OB-001

Tgt Ion:228 Resp: 9928
Ion Ratio Lower Upper
228 100
226 27.0 21.7 32.5
229 21.4 15.8 23.8

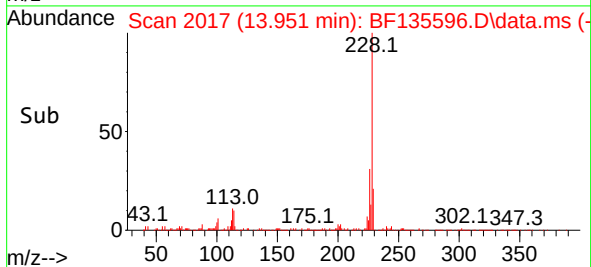
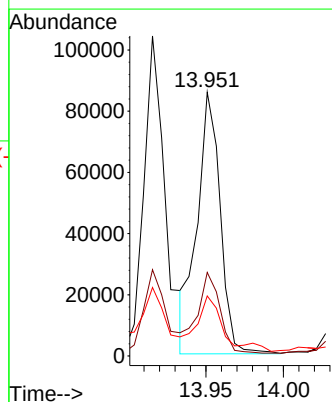
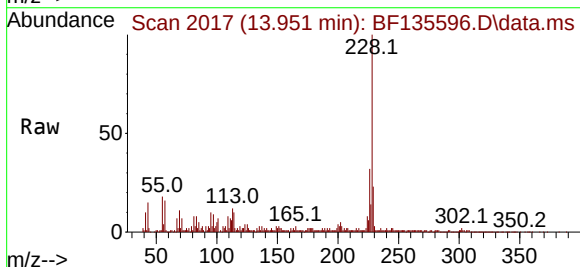
Manual Integrations
APPROVED

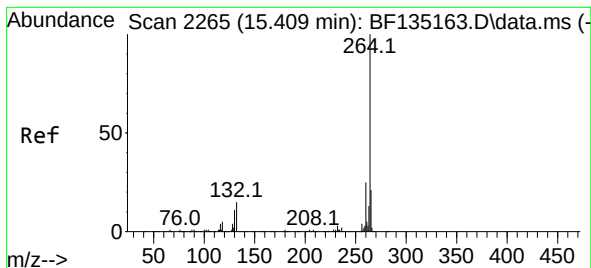
Reviewed By :Yogesh Patel 10/05/2023
Supervised By :mohammad ahmed 10/06/2023



#83
Chrysene
Concen: 8.178 ng
RT: 13.951 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF135596.D
Acq: 05 Oct 2023 05:09

Tgt Ion:228 Resp: 88526
Ion Ratio Lower Upper
228 100
226 31.7 24.3 36.5
229 22.8 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.392 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135596.D

Acq: 05 Oct 2023 05:09

Instrument :

BNA_F

ClientSampleId :

E9066-OB-001

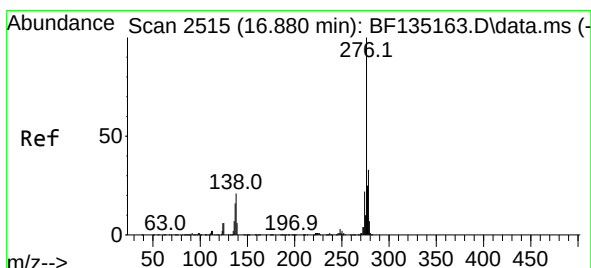
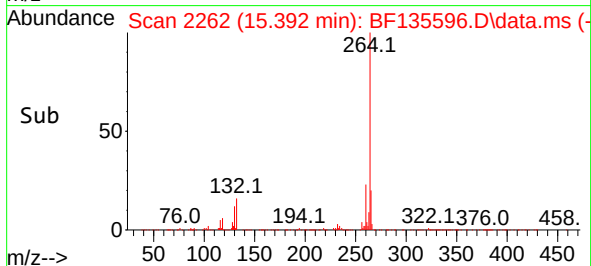
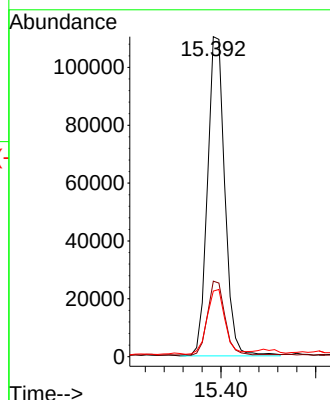
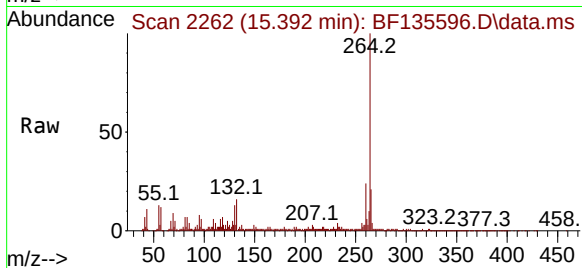
Tgt Ion:264 Resp: 139964
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.8 29.6
 265 20.5 17.0 25.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/05/2023

Supervised By :mohammad ahmed 10/06/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.433 ng

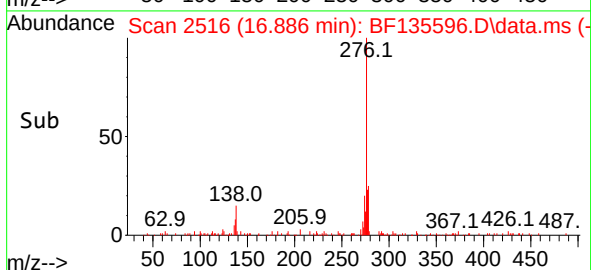
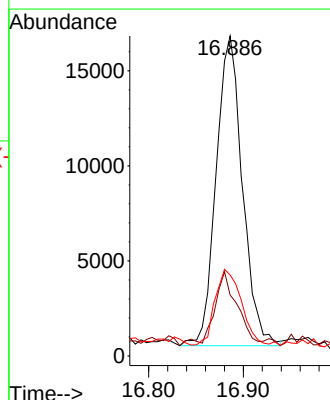
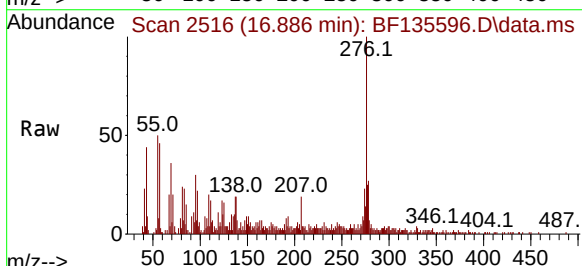
RT: 16.886 min Scan# 2516

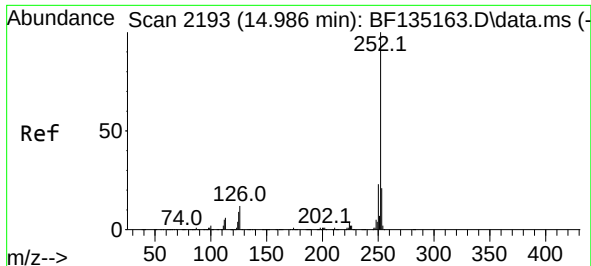
Delta R.T. 0.018 min

Lab File: BF135596.D

Acq: 05 Oct 2023 05:09

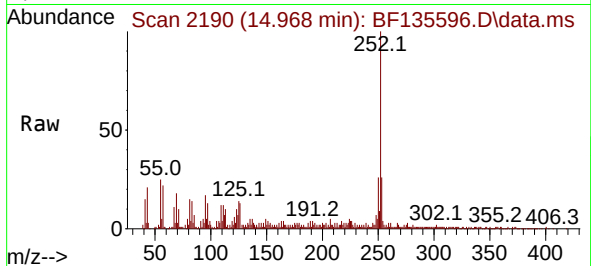
Tgt Ion:276 Resp: 31500
 Ion Ratio Lower Upper
 276 100
 138 20.9 19.2 28.8
 277 24.4 19.7 29.5





#88
Benzo(b)fluoranthene
Concen: 10.539 ng m
RT: 14.968 min Scan# 2193
Delta R.T. 0.006 min
Lab File: BF135596.D
Acq: 05 Oct 2023 05:09

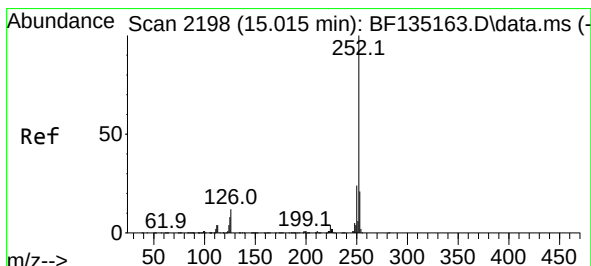
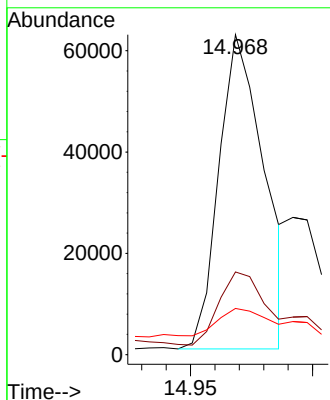
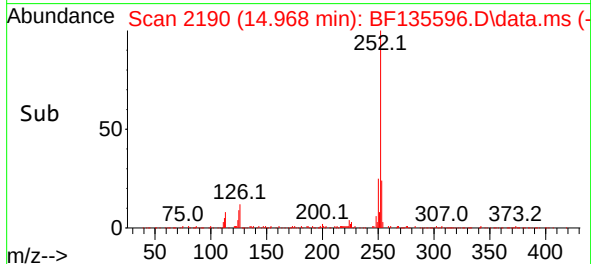
Instrument :
BNA_F
ClientSampleId :
E9066-OB-001



Tgt Ion:252 Resp: 7984
Ion Ratio Lower Upper
252 100
253 25.9 17.2 25.8
125 14.5 7.1 10.7

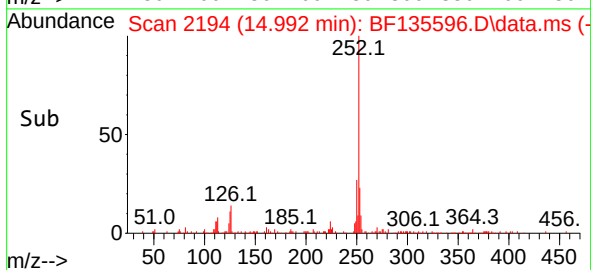
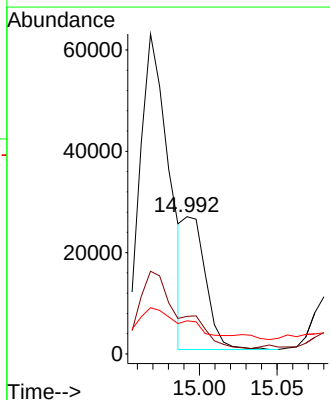
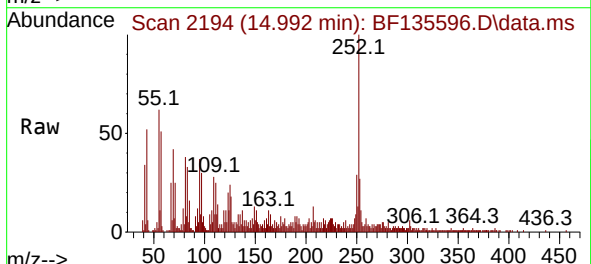
Manual Integrations
APPROVED

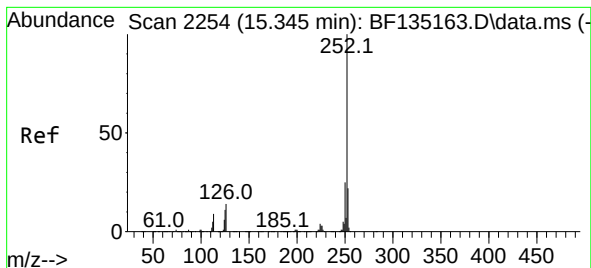
Reviewed By :Yogesh Patel 10/05/2023
Supervised By :mohammad ahmed 10/06/2023



#89
Benzo(k)fluoranthene
Concen: 3.525 ng m
RT: 14.992 min Scan# 2194
Delta R.T. 0.000 min
Lab File: BF135596.D
Acq: 05 Oct 2023 05:09

Tgt Ion:252 Resp: 26386
Ion Ratio Lower Upper
252 100
253 27.4 17.4 26.0#
125 24.1 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 8.017 ng

RT: 15.333 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135596.D

Acq: 05 Oct 2023 05:09

Instrument :

BNF

ClientSampleId :

E9066-OB-001

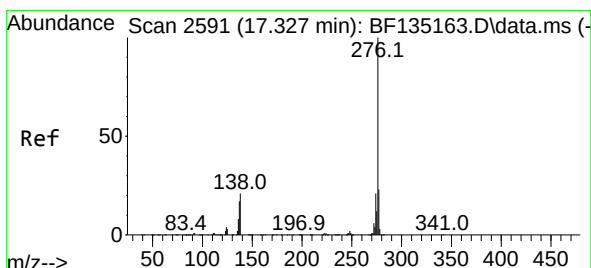
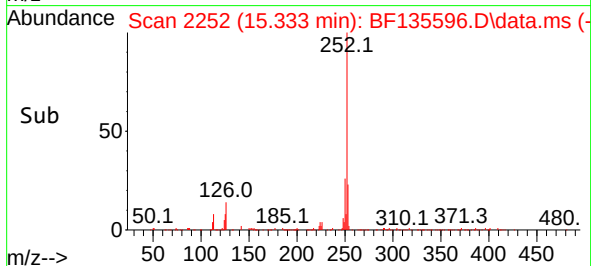
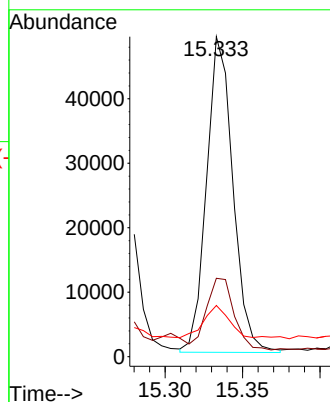
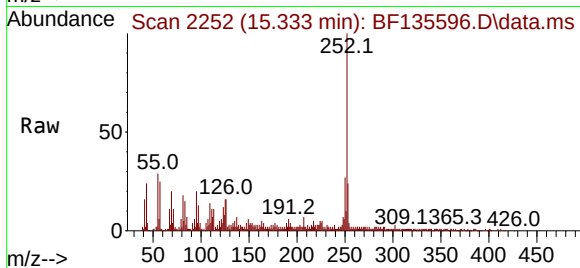
Tgt Ion:	252	Resp:	5792
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.5	26.3
125	16.0	9.2	13.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/05/2023

Supervised By :mohammad ahmed 10/06/2023



#92

Benzo(g,h,i)perylene

Concen: 4.174 ng

RT: 17.333 min Scan# 2592

Delta R.T. 0.018 min

Lab File: BF135596.D

Acq: 05 Oct 2023 05:09

Tgt Ion:	276	Resp:	32729
Ion Ratio	Lower	Upper	
276	100		
277	26.0	18.8	28.2
138	20.3	16.9	25.3

