

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
 Data File : BF135374.D
 Acq On : 21 Sep 2023 11:57
 Operator : CG\JU
 Sample : 04394-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CPT-103-16

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/22/2023
 Supervised By :mohammad ahmed 09/27/2023

Quant Time: Sep 21 12:45:35 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	140942	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	529193	20.000	ng	#-0.01
39) Acenaphthene-d10	9.792	164	244539	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	409172	20.000	ng	0.00
76) Chrysene-d12	13.939	240	249385	20.000	ng	0.00
86) Perylene-d12	15.410	264	265725	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	709290	81.851	ng	0.00
7) Phenol-d6	6.404	99	901741	81.836	ng	0.00
23) Nitrobenzene-d5	7.322	82	534811	54.906	ng	-0.01
42) 2,4,6-Tribromophenol	10.586	330	165401	68.063	ng	-0.01
45) 2-Fluorobiphenyl	9.116	172	834439	51.482	ng	-0.01
79) Terphenyl-d14	12.880	244	596230	37.062	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.310	178	58796	3.038	ng	100
75) Fluoranthene	12.504	202	299822	14.869	ng	98
78) Pyrene	12.733	202	286788	12.079	ng	99
81) Benzo(a)anthracene	13.933	228	136907m	8.502	ng	
83) Chrysene	13.969	228	120651	7.536	ng	96
87) Indeno(1,2,3-cd)pyrene	16.886	276	51654	2.965	ng	95
88) Benzo(b)fluoranthene	14.980	252	146794m	10.205	ng	
89) Benzo(k)fluoranthene	15.010	252	57774m	4.066	ng	
90) Benzo(a)pyrene	15.345	252	109581	7.988	ng	# 97
92) Benzo(g,h,i)perylene	17.333	276	46343	3.113	ng	96

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

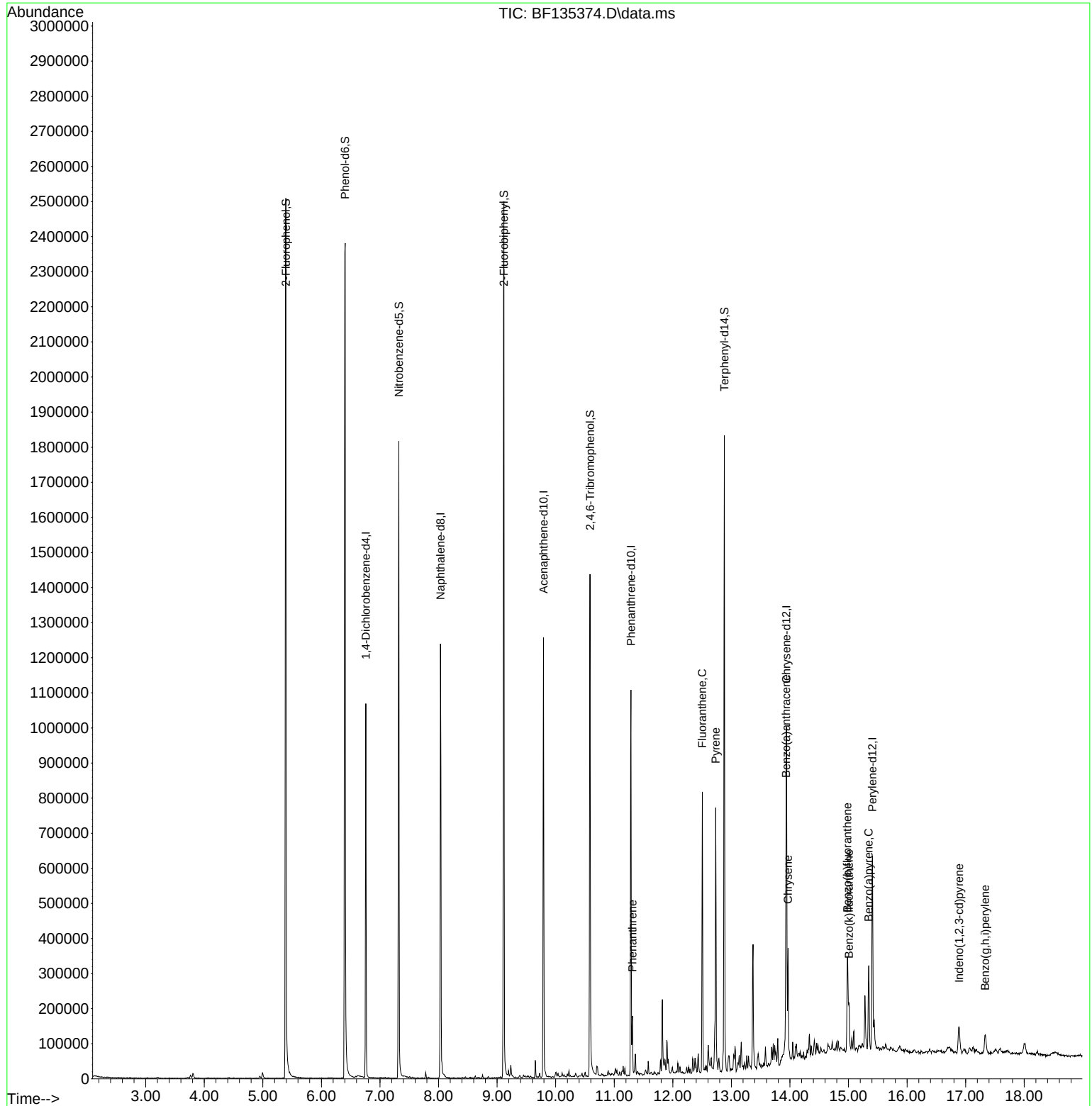
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092123\
Data File : BF135374.D
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ALS Vial : 6 Sample Multiplier: 1

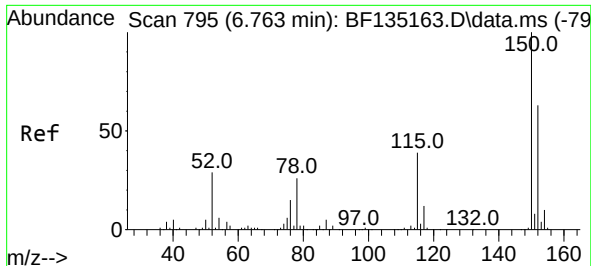
Instrument :
BNA_F
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CPT-103-16

Quant Time: Sep 21 12:45:35 2023
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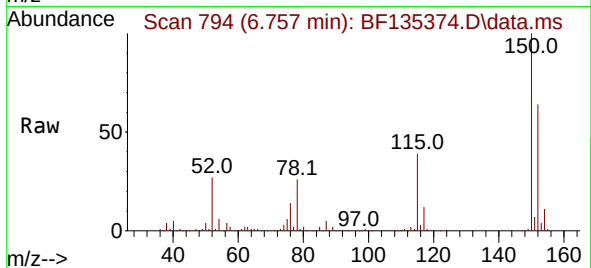
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135374.D
Acq: 21 Sep 2023 11:57

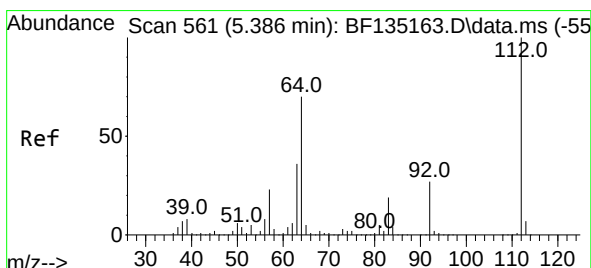
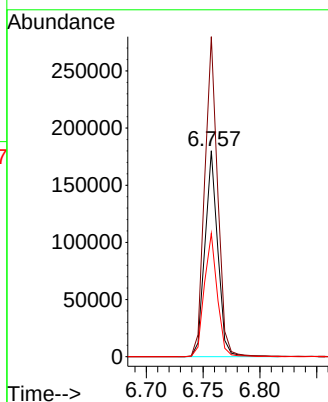
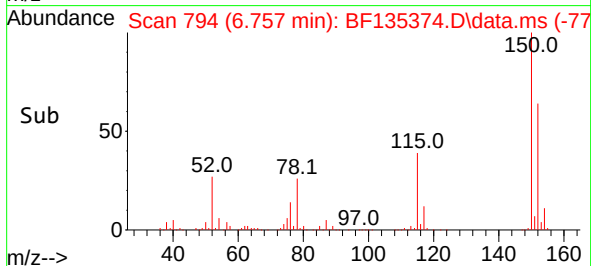
Instrument :
BNA_F
ClientSampleId :
CPT-103-16



Tgt Ion:152 Resp: 14094
Ion Ratio Lower Upper
152 100
150 155.4 127.8 191.6
115 59.8 49.8 74.8

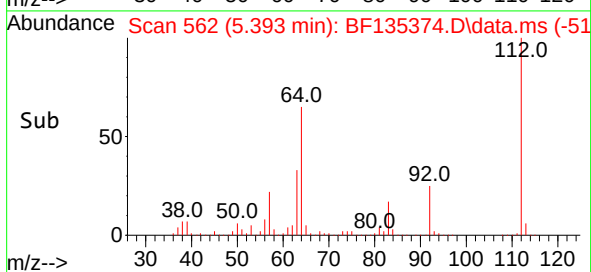
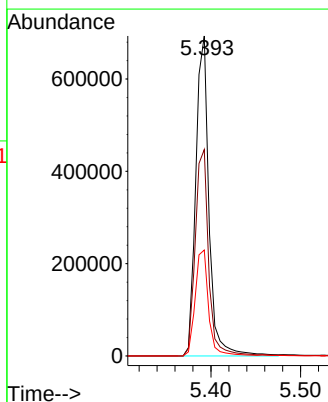
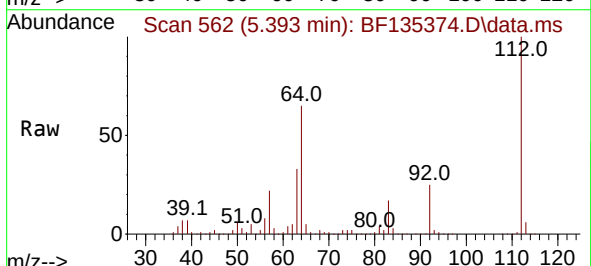
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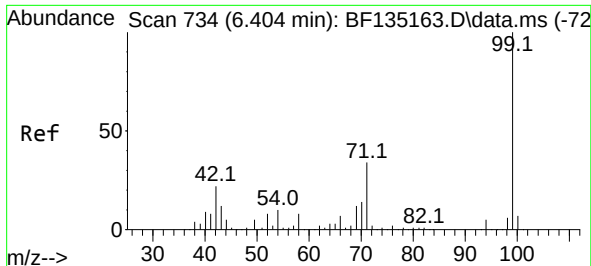
Reviewed By :Yogesh Patel 09/22/2023
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#5
2-Fluorophenol
Concen: 81.851 ng
RT: 5.393 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF135374.D
Acq: 21 Sep 2023 11:57

Tgt Ion:112 Resp: 709290
Ion Ratio Lower Upper
112 100
64 64.5 55.9 83.9
63 33.1 29.0 43.6





#7

Phenol-d6

Concen: 81.836 ng

RT: 6.404 min Scan# 71

Delta R.T. 0.000 min

Lab File: BF135374.D

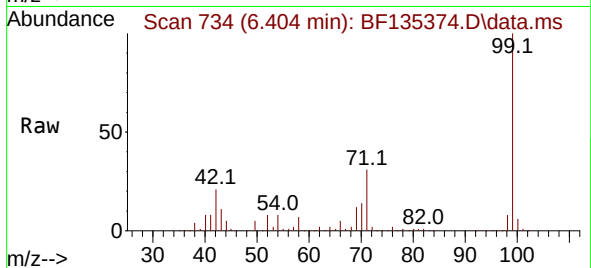
Acq: 21 Sep 2023 11:57

Instrument :

BNA_F

ClientSampleId :

CPT-103-16



Tgt Ion: 99 Resp: 90174

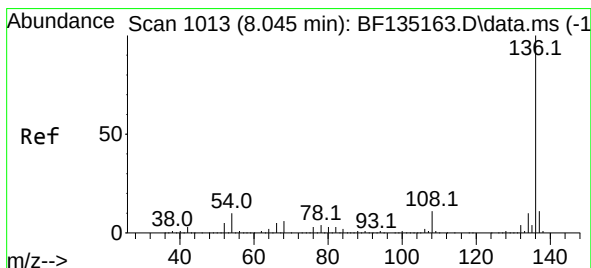
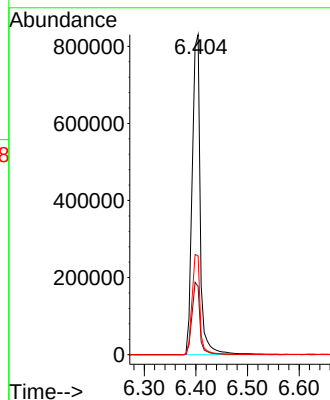
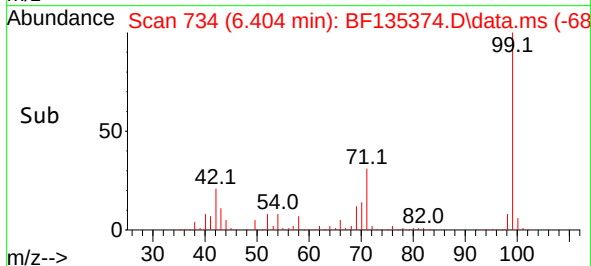
Ion	Ratio	Lower	Upper
99	100		
42	21.3	17.9	26.9
71	30.8	27.0	40.6

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.034 min Scan# 1011

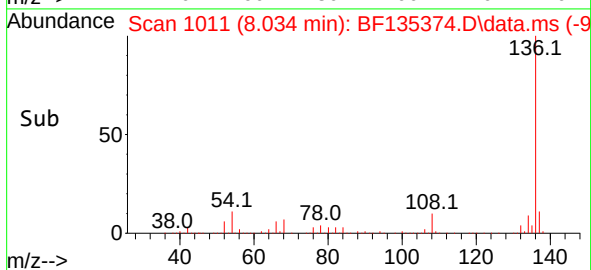
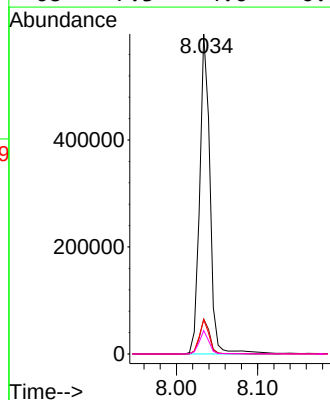
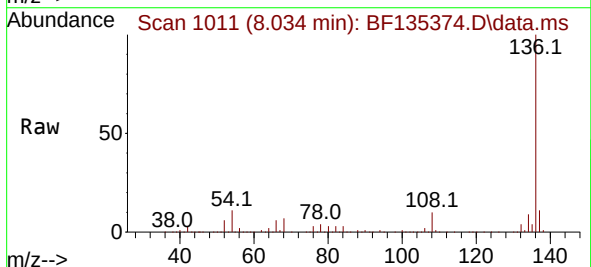
Delta R.T. -0.012 min

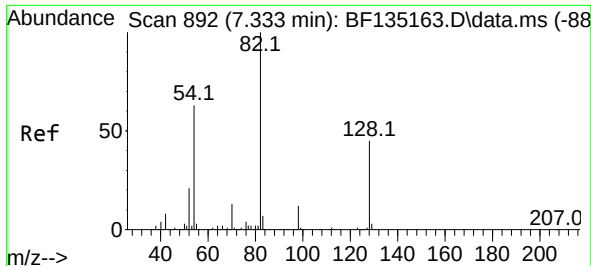
Lab File: BF135374.D

Acq: 21 Sep 2023 11:57

Tgt Ion:136 Resp: 529193

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	10.7	7.7	11.5
68	7.3	4.6	6.8





#23

Nitrobenzene-d5

Concen: 54.906 ng

RT: 7.322 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF135374.D

Acq: 21 Sep 2023 11:57

Instrument :

BNA_F

ClientSampleId :

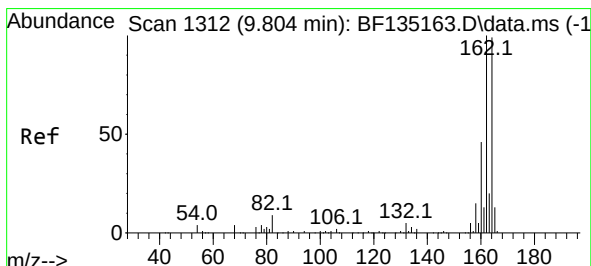
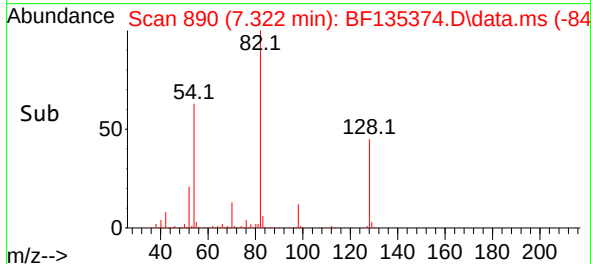
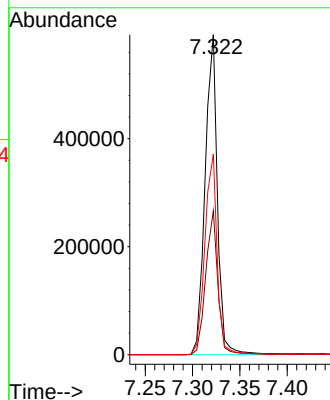
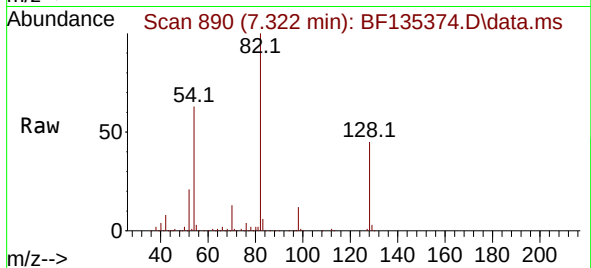
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Tgt Ion:	82	Resp:	53481
Ion Ratio	Lower	Upper	
82	100		
128	44.9	35.8	53.6
54	62.7	50.6	76.0

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

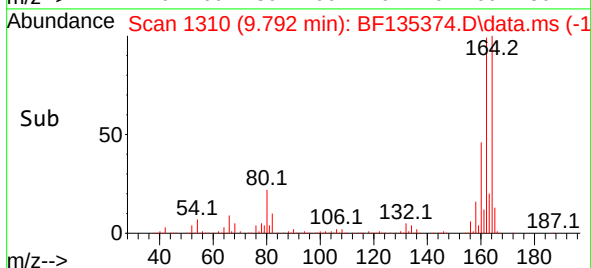
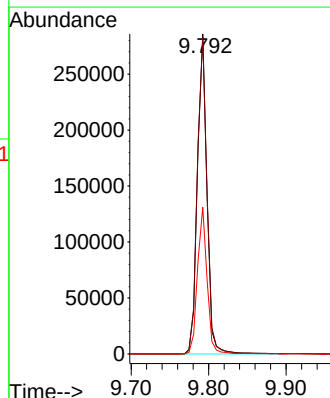
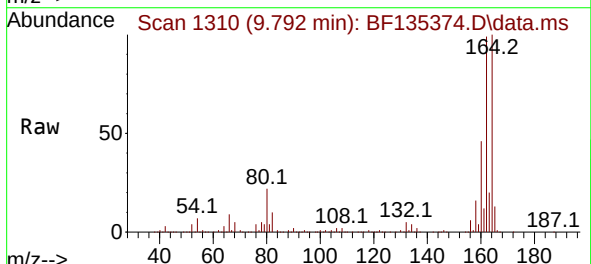
RT: 9.792 min Scan# 1310

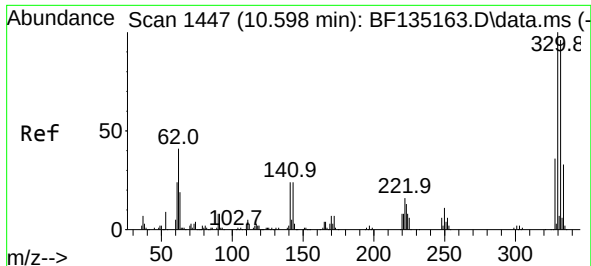
Delta R.T. -0.012 min

Lab File: BF135374.D

Acq: 21 Sep 2023 11:57

Tgt Ion:	164	Resp:	244539
Ion Ratio	Lower	Upper	
164	100		
162	99.0	81.0	121.4
160	45.9	37.0	55.4





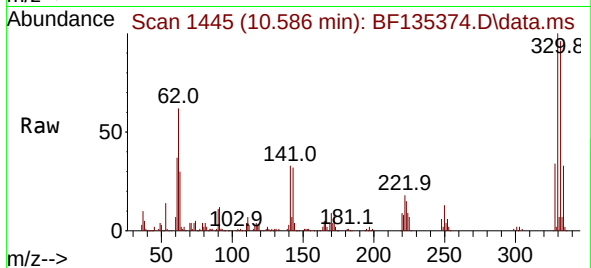
#42
2,4,6-Tribromophenol
Concen: 68.063 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF135374.D
Acq: 21 Sep 2023 11:57

Instrument :

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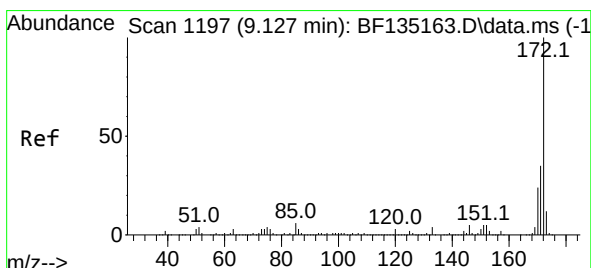
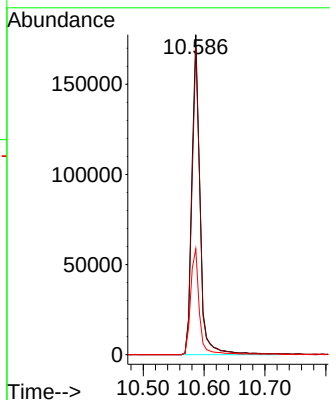
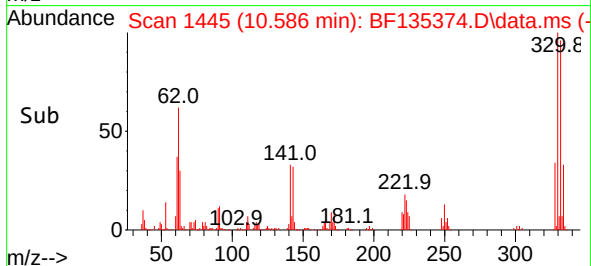
Tgt Ion:330 Resp: 16540
Ion Ratio Lower Upper
330 100
332 95.7 77.3 115.9
141 35.0 25.8 38.8

Manual Integrations

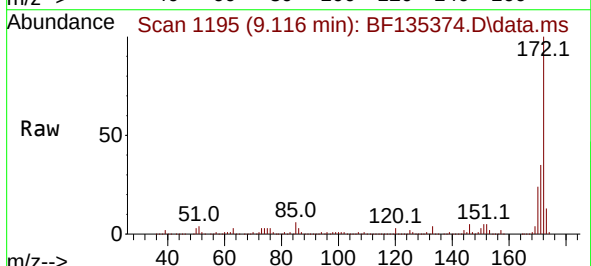
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Reviewed By :Yogesh Patel 09/22/2023

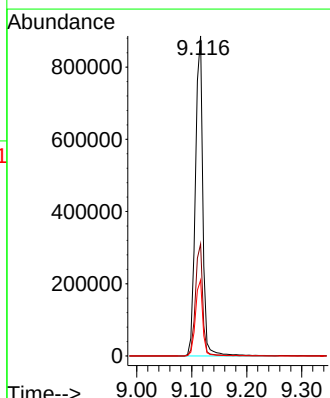
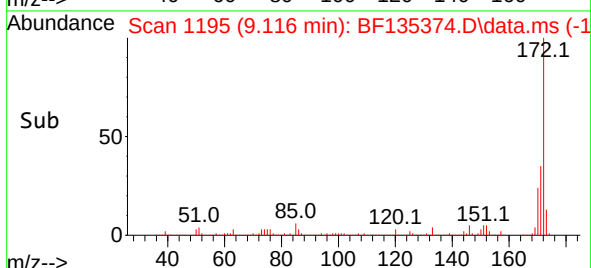
Supervised By :mohammad ahmed 09/27/2023

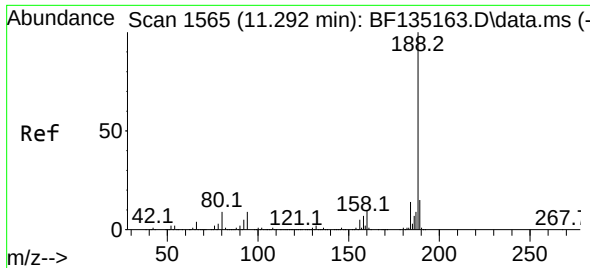


#45
2-Fluorobiphenyl
Concen: 51.482 ng
RT: 9.116 min Scan# 1195
Delta R.T. -0.012 min
Lab File: BF135374.D
Acq: 21 Sep 2023 11:57



Tgt Ion:172 Resp: 834439
Ion Ratio Lower Upper
172 100
171 35.0 28.4 42.6
170 23.7 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135374.D
Acq: 21 Sep 2023 11:57

Instrument :

BNA_F

ClientSampleId :

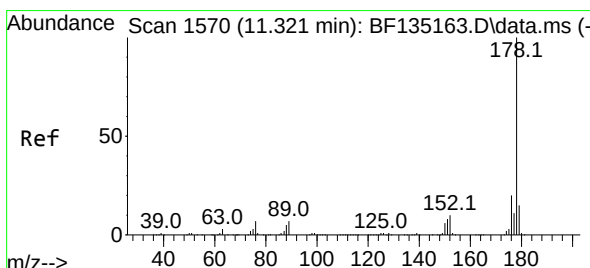
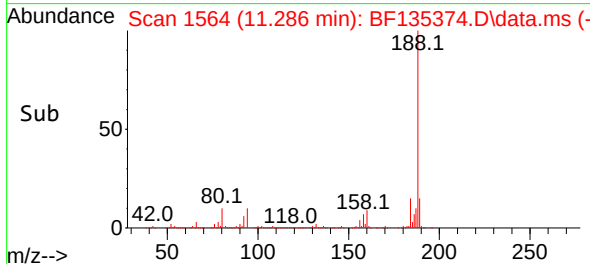
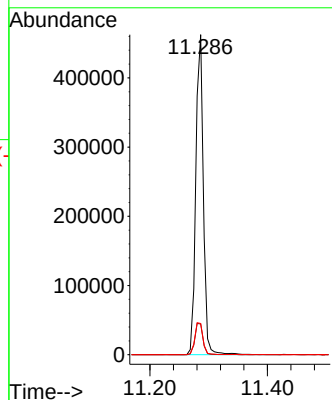
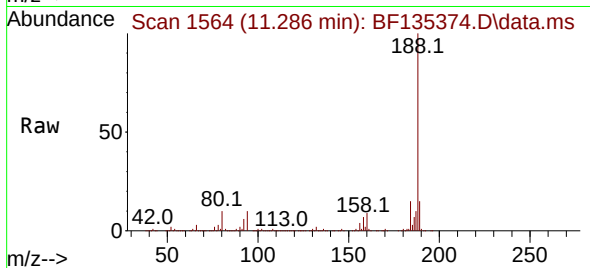
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Tgt Ion:188 Resp: 40917
Ion Ratio Lower Upper
188 100
94 9.6 7.0 10.6
80 9.8 7.5 11.3

Manual Integrations

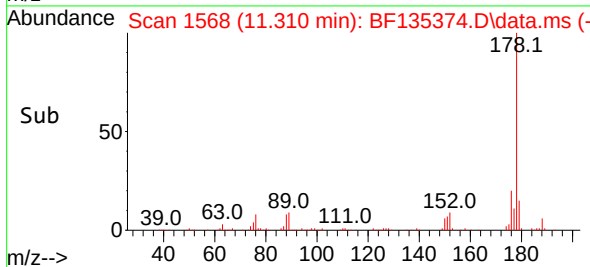
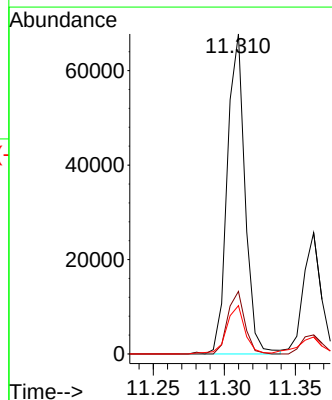
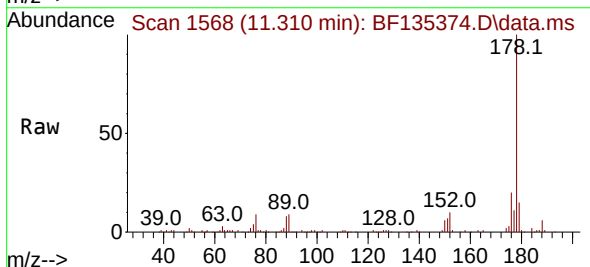
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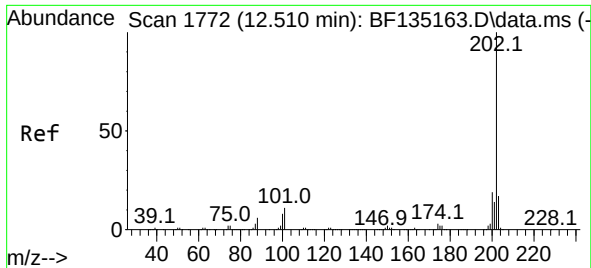
Reviewed By :Yogesh Patel 09/22/2023
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#71
Phenanthrene
Concen: 3.038 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF135374.D
Acq: 21 Sep 2023 11:57

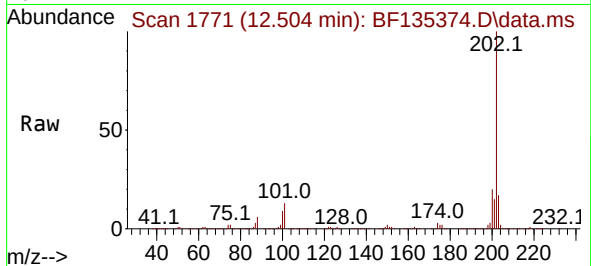
Tgt Ion:178 Resp: 58796
Ion Ratio Lower Upper
178 100
176 19.5 15.6 23.4
179 15.1 12.0 18.0





#75
Fluoranthene
Concen: 14.869 ng
RT: 12.504 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135374.D
Acq: 21 Sep 2023 11:57

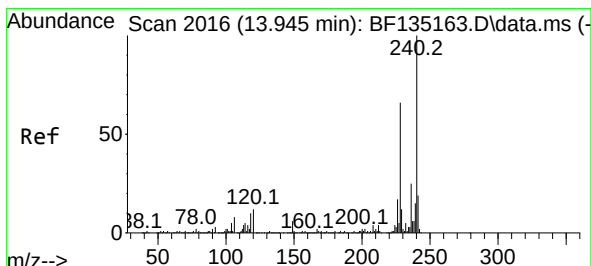
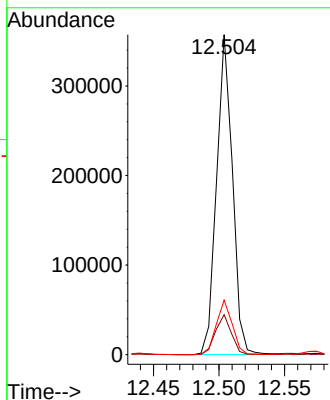
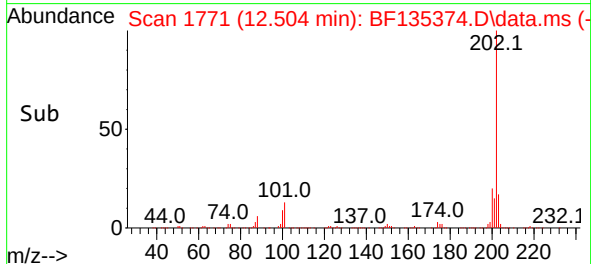
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ClientSampleId :
CPT-103-16



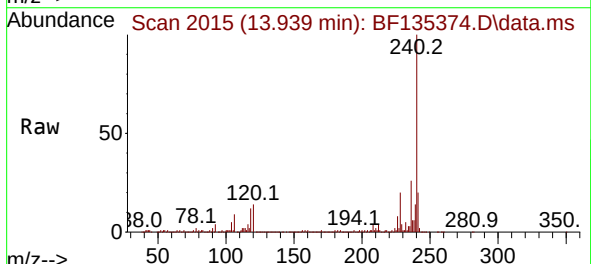
Tgt Ion:202 Resp: 29982
Ion Ratio Lower Upper
202 100
101 12.5 0.0 31.3
203 17.1 0.0 37.4

Manual Integrations
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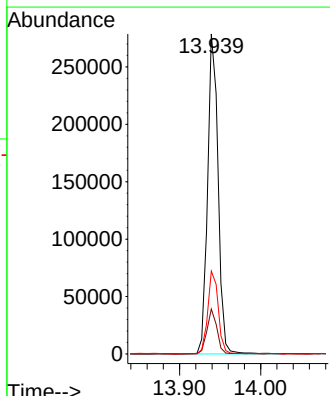
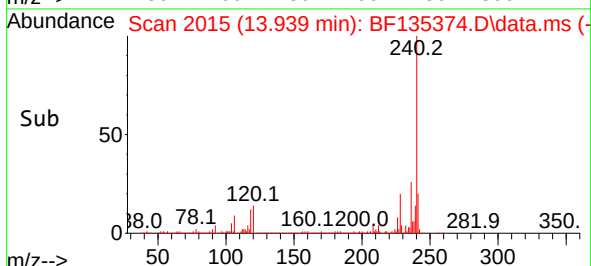
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023

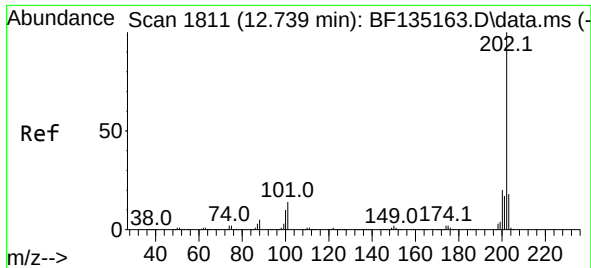


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF135374.D
Acq: 21 Sep 2023 11:57



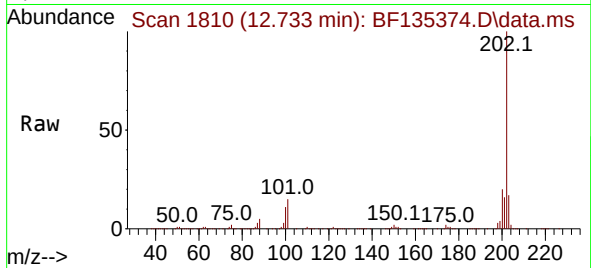
Tgt Ion:240 Resp: 249385
Ion Ratio Lower Upper
240 100
120 14.0 9.4 14.2
236 25.9 19.8 29.8





#78
Pyrene
Concen: 12.079 ng
RT: 12.733 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BF135374.D
Acq: 21 Sep 2023 11:57

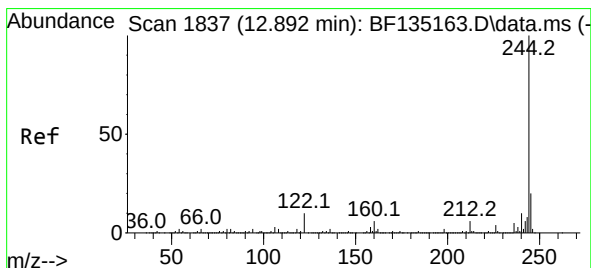
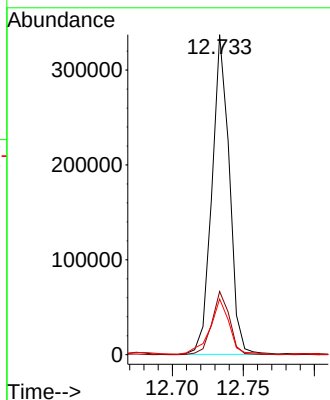
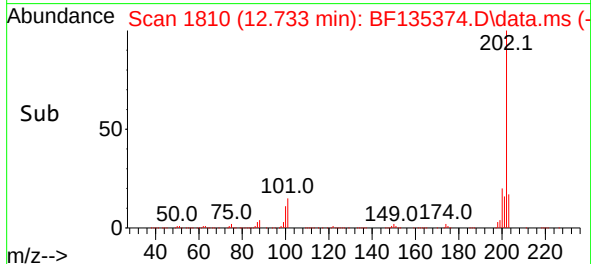
Instrument :
BNA_F
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CPT-103-16



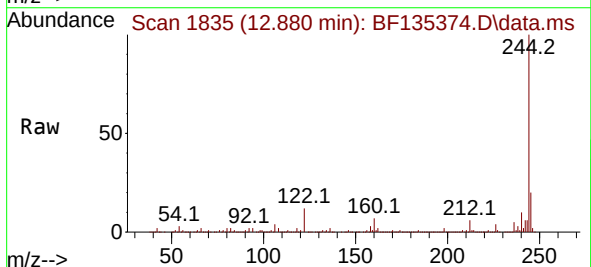
Tgt Ion:202 Resp: 286788
Ion Ratio Lower Upper
202 100
200 19.7 16.2 24.2
203 17.4 14.2 21.4

Manual Integrations
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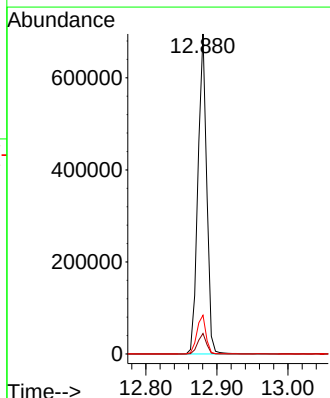
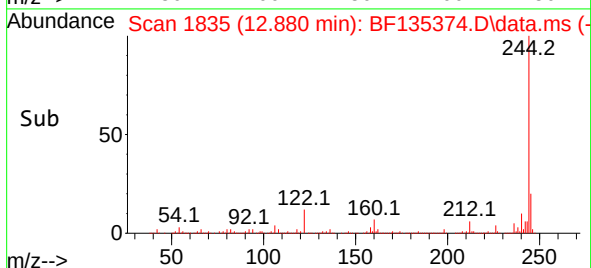
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023

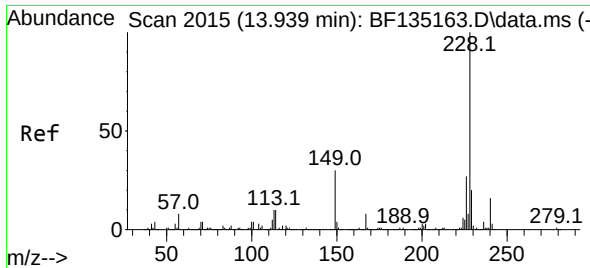


#79
Terphenyl-d14
Concen: 37.062 ng
RT: 12.880 min Scan# 1835
Delta R.T. -0.012 min
Lab File: BF135374.D
Acq: 21 Sep 2023 11:57



Tgt Ion:244 Resp: 596230
Ion Ratio Lower Upper
244 100
212 6.4 5.1 7.7
122 12.1 7.9 11.9#





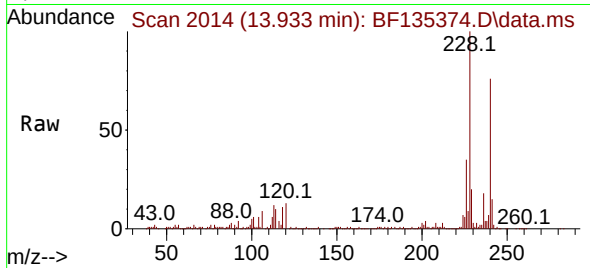
#81
Benzo(a)anthracene
Concen: 8.502 ng m
RT: 13.933 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF135374.D
Acq: 21 Sep 2023 11:57

Instrument :

BNA_F

ClientSampleId :

CPT-103-16

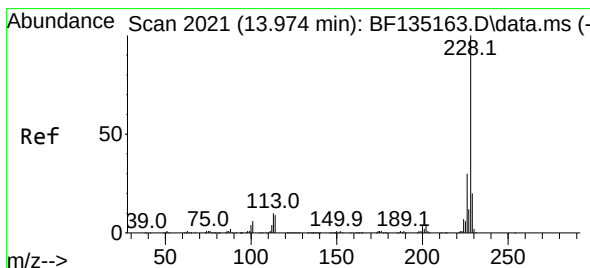
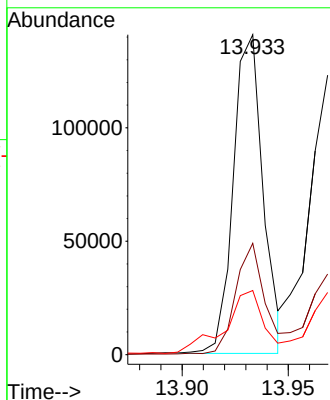
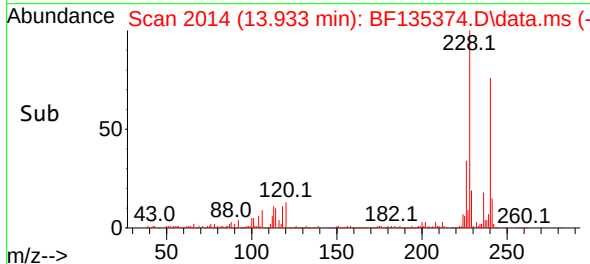


Tgt Ion:228 Resp: 136907
Ion Ratio Lower Upper
228 100
226 34.8 21.7 32.5
229 20.0 15.8 23.8

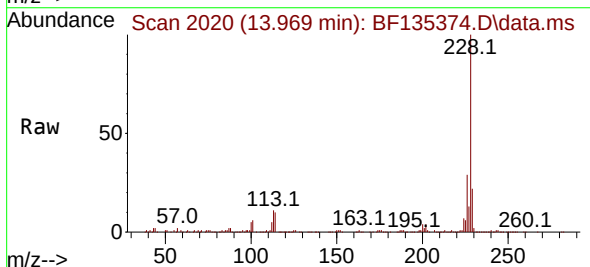
Manual Integrations

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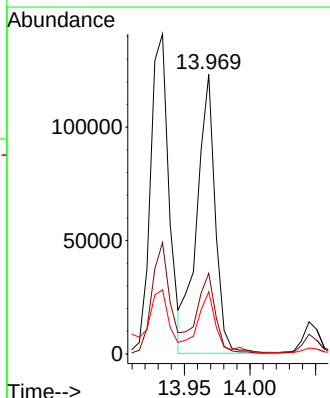
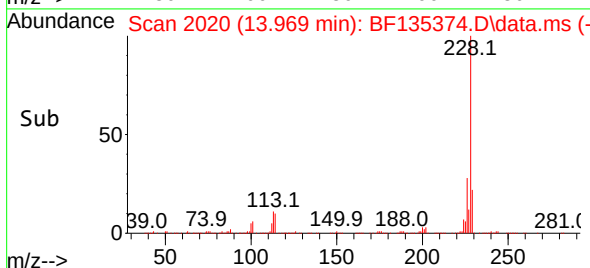
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023

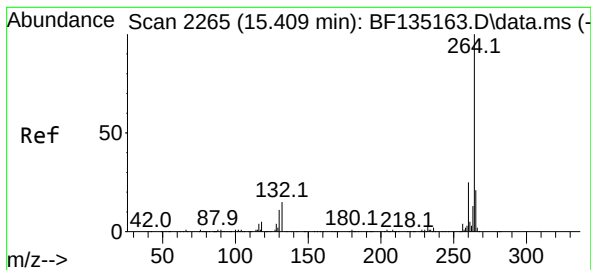


#83
Chrysene
Concen: 7.536 ng
RT: 13.969 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF135374.D
Acq: 21 Sep 2023 11:57



Tgt Ion:228 Resp: 120651
Ion Ratio Lower Upper
228 100
226 28.8 24.3 36.5
229 22.2 16.0 24.0





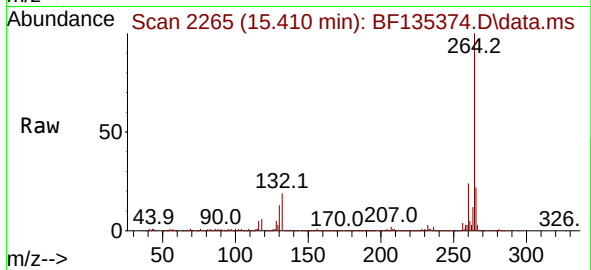
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF135374.D
Acq: 21 Sep 2023 11:57

Instrument :

BNA_F

ClientSampleId :

CPT-103-16

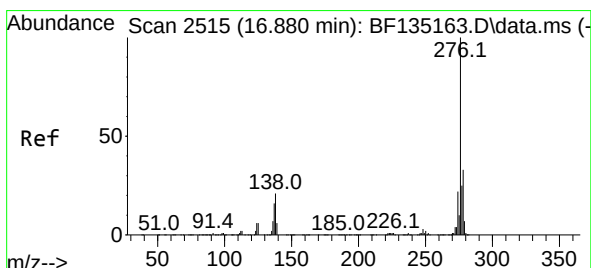
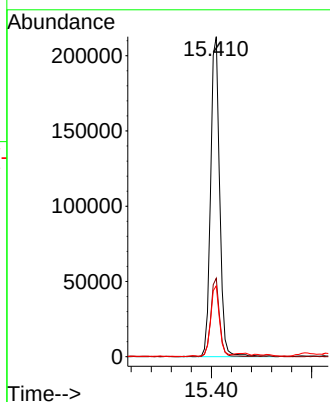
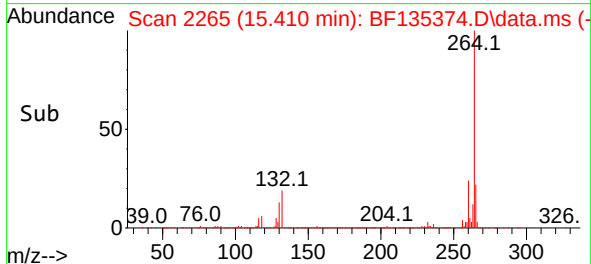


Tgt Ion:264 Resp: 265729
Ion Ratio Lower Upper
264 100
260 24.5 19.8 29.6
265 22.2 17.0 25.4

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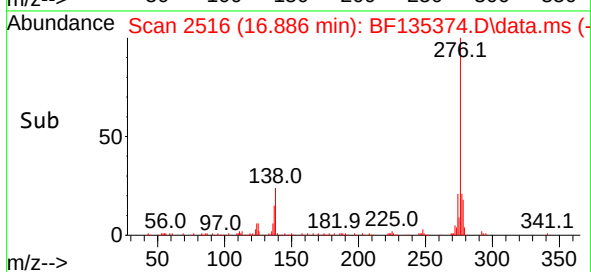
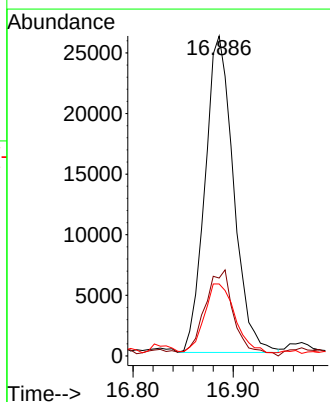
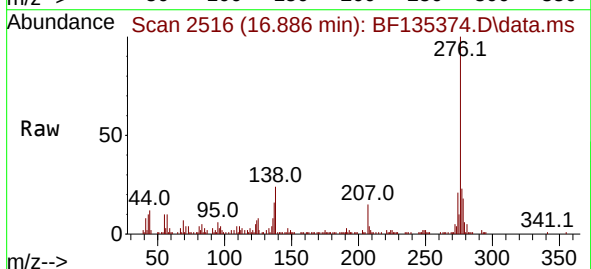
APPROVED

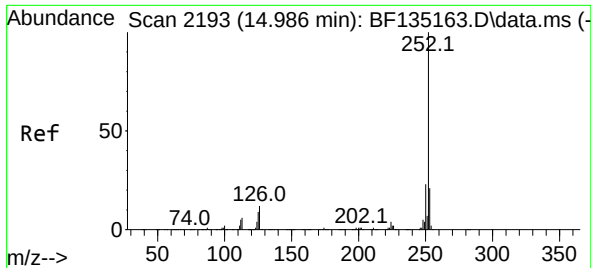
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.965 ng
RT: 16.886 min Scan# 2516
Delta R.T. 0.006 min
Lab File: BF135374.D
Acq: 21 Sep 2023 11:57

Tgt Ion:276 Resp: 51654
Ion Ratio Lower Upper
276 100
138 27.9 19.2 28.8
277 23.1 19.7 29.5





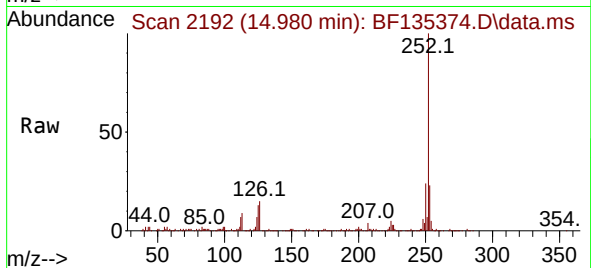
#88
Benzo(b)fluoranthene
Concen: 10.205 ng m
RT: 14.980 min Scan# 2192
Delta R.T. -0.006 min
Lab File: BF135374.D
Acq: 21 Sep 2023 11:57

Instrument :

BNA_F

ClientSampleId :

CPT-103-16

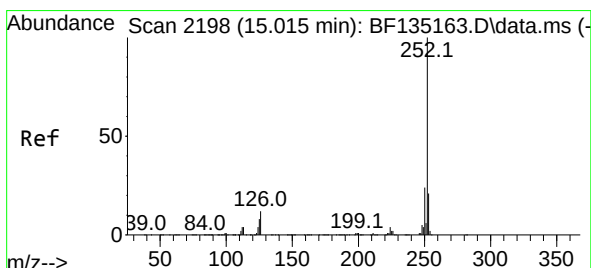
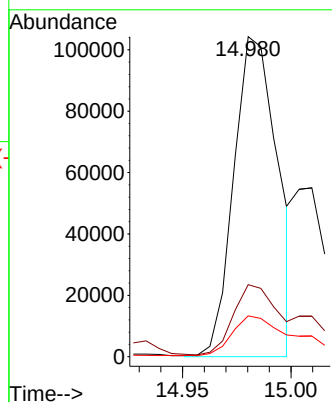
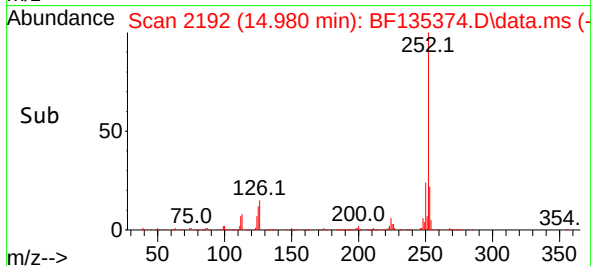


Tgt Ion:252 Resp: 146794
Ion Ratio Lower Upper
252 100
253 22.5 17.2 25.8
125 12.8 7.1 10.7

Manual Integrations

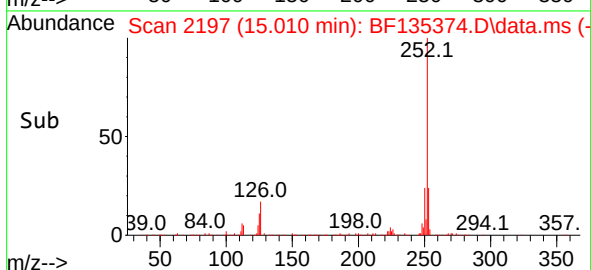
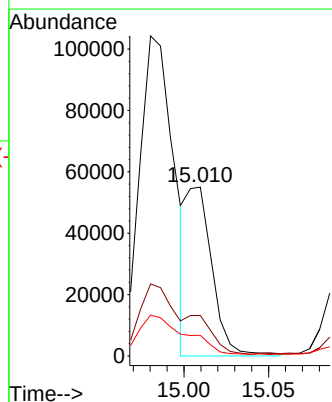
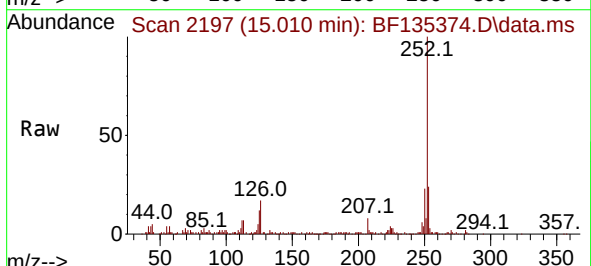
APPROVED

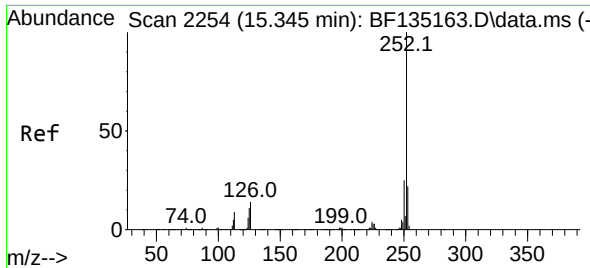
Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023



#89
Benzo(k)fluoranthene
Concen: 4.066 ng m
RT: 15.010 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF135374.D
Acq: 21 Sep 2023 11:57

Tgt Ion:252 Resp: 57774
Ion Ratio Lower Upper
252 100
253 24.0 17.4 26.0
125 12.2 7.2 10.8





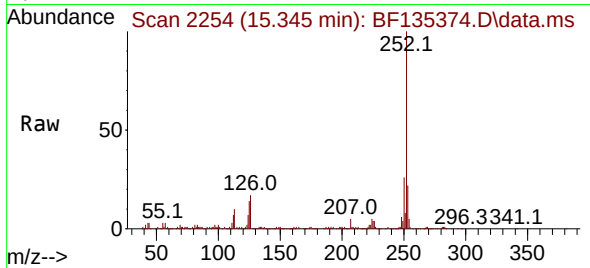
#90
Benzo(a)pyrene
Concen: 7.988 ng
RT: 15.345 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF135374.D
Acq: 21 Sep 2023 11:57

Instrument :

BNA_F

ClientSampleId :

CPT-103-16

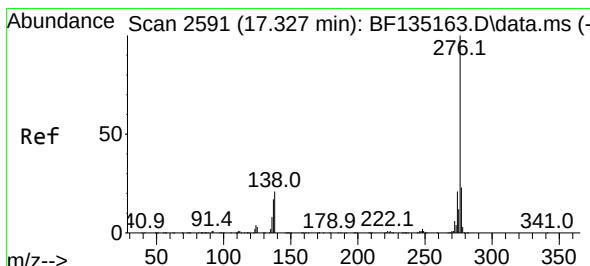
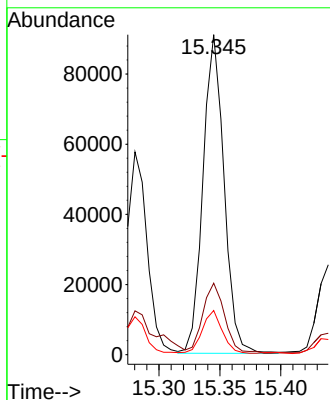
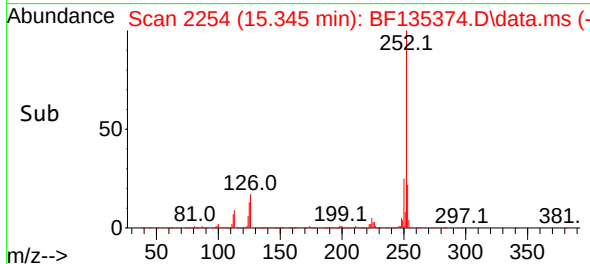


Tgt Ion:252 Resp: 10958
Ion Ratio Lower Upper
252 100
253 22.4 17.5 26.3
125 13.8 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/22/2023
Supervised By :mohammad ahmed 09/27/2023



#92
Benzo(g,h,i)perylene
Concen: 3.113 ng
RT: 17.333 min Scan# 2592
Delta R.T. 0.006 min
Lab File: BF135374.D
Acq: 21 Sep 2023 11:57

Tgt Ion:276 Resp: 46343
Ion Ratio Lower Upper
276 100
277 24.7 18.8 28.2
138 24.0 16.9 25.3

