

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF083023\
 Data File : BF135026.D
 Acq On : 31 Aug 2023 02:56
 Operator : CG\JU
 Sample : 04197-15
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-309-OK-370-COMP-22

Quant Time: Aug 31 06:01:04 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 31 03:48:08 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 08/31/2023
 Supervised By :mohammad ahmed 08/31/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	138959	20.000	ng	0.00
21) Naphthalene-d8	8.051	136	542828	20.000	ng	0.00
39) Acenaphthene-d10	9.810	164	252832	20.000	ng	0.00
64) Phenanthrene-d10	11.298	188	366431	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	242674	20.000	ng	0.00
86) Perylene-d12	15.427	264	250111	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	805179	89.501	ng	0.00
7) Phenol-d6	6.410	99	984143	87.765	ng	0.00
23) Nitrobenzene-d5	7.334	82	599402	62.036	ng	-0.01
42) 2,4,6-Tribromophenol	10.604	330	197287	73.559	ng	0.00
45) 2-Fluorobiphenyl	9.134	172	961749	61.932	ng	0.00
79) Terphenyl-d14	12.898	244	664066	44.656	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.322	178	178192	9.426	ng	98
75) Fluoranthene	12.522	202	200944	10.513	ng	96
78) Pyrene	12.751	202	188858	8.197	ng	98
81) Benzo(a)anthracene	13.945	228	84852m	5.126	ng	
83) Chrysene	13.980	228	90174	5.543	ng	98
88) Benzo(b)fluoranthene	14.998	252	105486m	6.778	ng	
89) Benzo(k)fluoranthene	15.021	252	30620m	2.037	ng	
90) Benzo(a)pyrene	15.363	252	70083	4.848	ng	98
92) Benzo(g,h,i)perylene	17.345	276	31651	2.230	ng	98

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

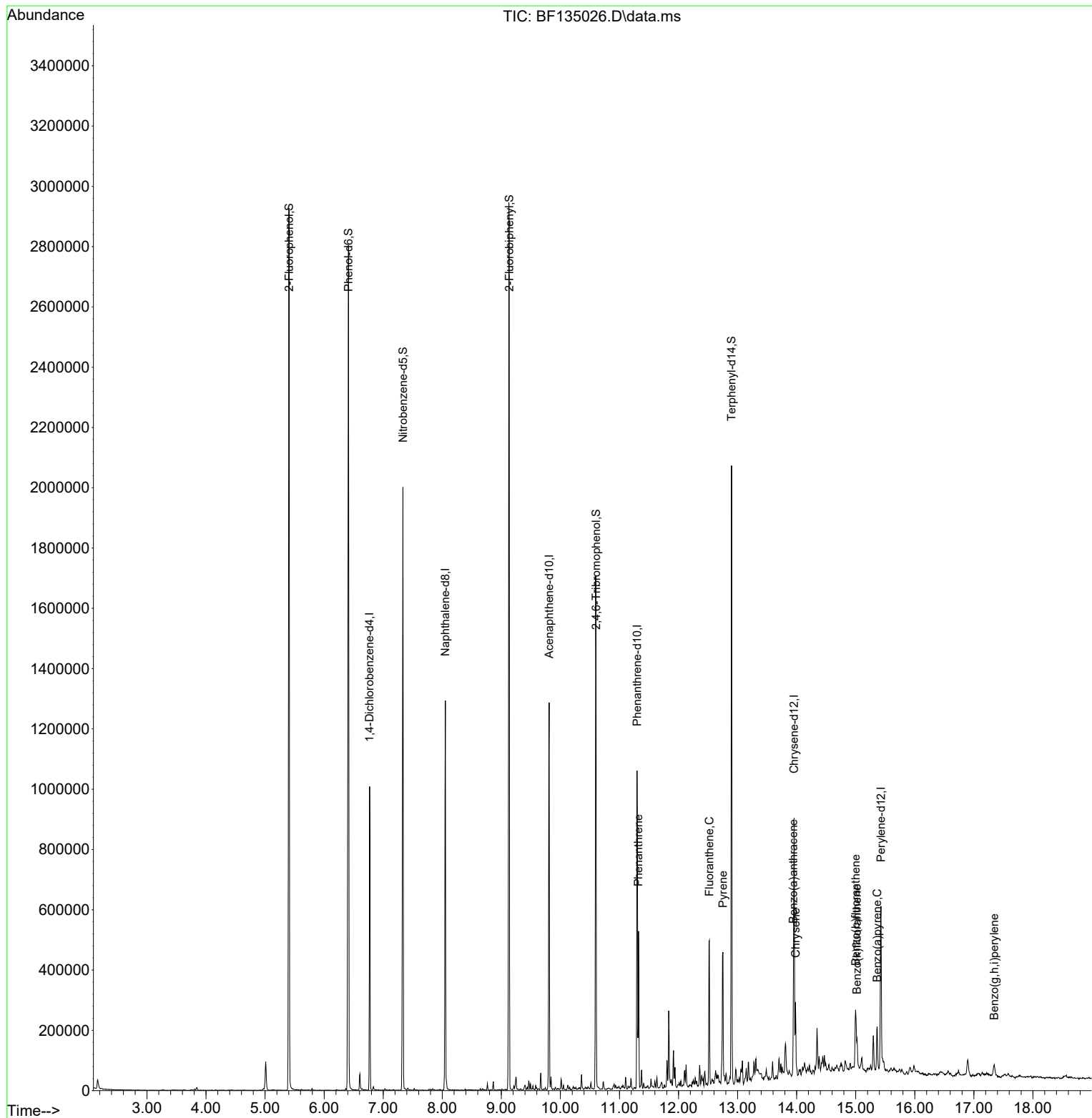
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF083023\
Data File : BF135026.D
Acq On : 31 Aug 2023 02:56
Operator : CG\JU
Sample : 04197-15
Misc :
ALS Vial : 14 Sample Multiplier: 1

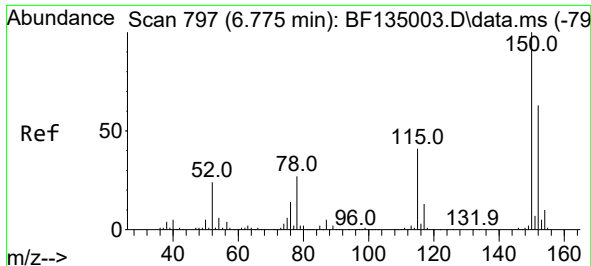
Instrument :
BNA_F
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OR-309-OK-370-COMP-22

Quant Time: Aug 31 06:01:04 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
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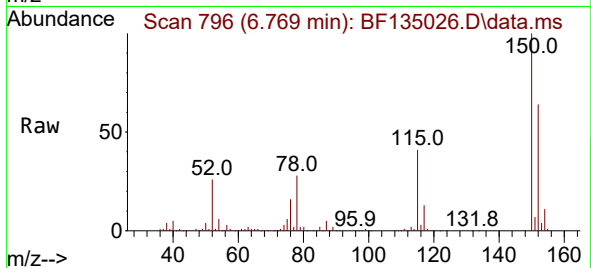
Reviewed By :Yogesh Patel 08/31/2023
Supervised By :mohammad ahmed 08/31/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF135026.D
Acq: 31 Aug 2023 02:56

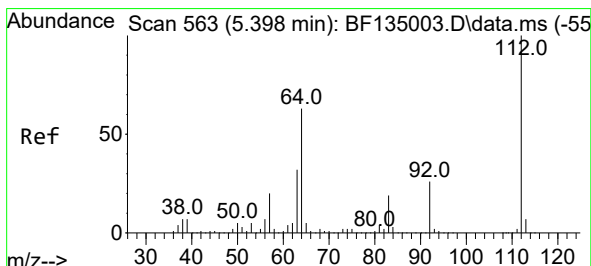
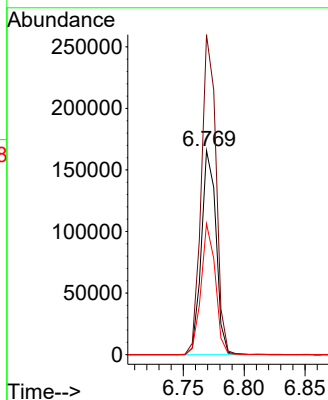
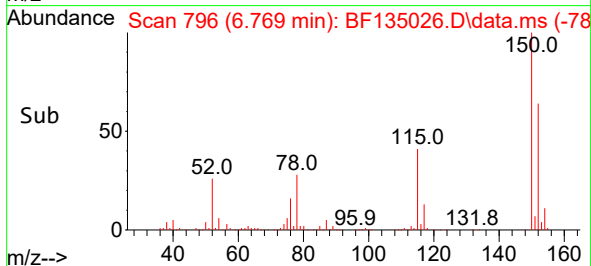
Instrument :
BNA_F
ClientSampleId :
OR-309-OK-370-COMP-22



Tgt Ion:152 Resp: 138958
Ion Ratio Lower Upper
152 100
150 156.7 126.2 189.4
115 64.2 51.2 76.8

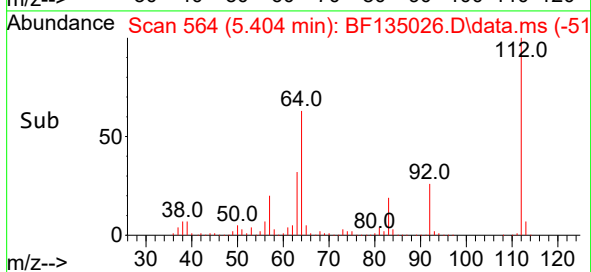
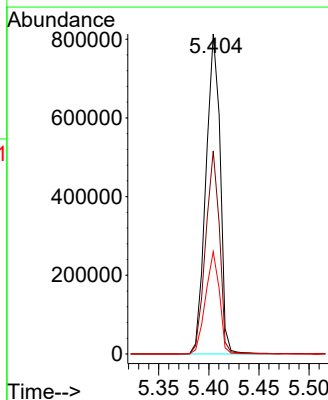
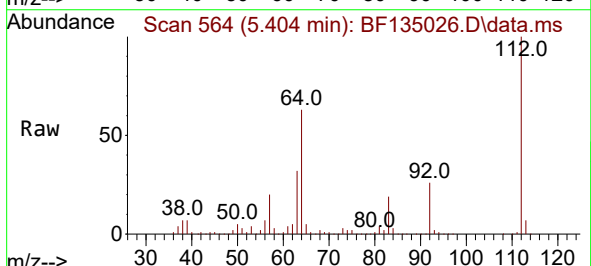
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#5
2-Fluorophenol
Concen: 89.501 ng
RT: 5.404 min Scan# 564
Delta R.T. 0.006 min
Lab File: BF135026.D
Acq: 31 Aug 2023 02:56

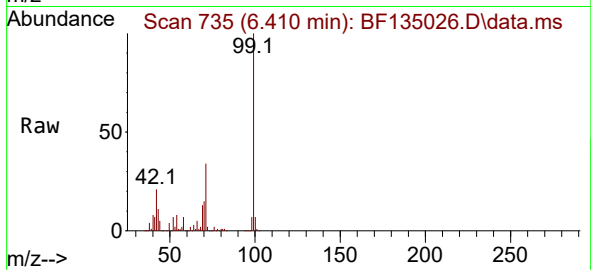
Tgt Ion:112 Resp: 805179
Ion Ratio Lower Upper
112 100
64 63.4 50.5 75.7
63 32.0 25.9 38.9





#7
Phenol-d6
Concen: 87.765 ng
RT: 6.410 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135026.D
Acq: 31 Aug 2023 02:56

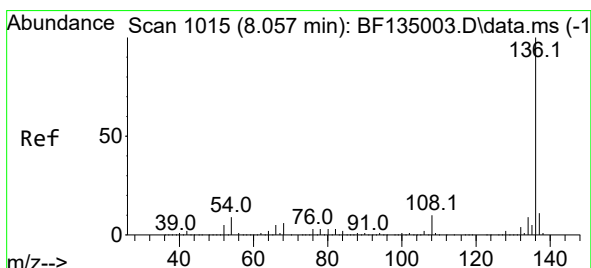
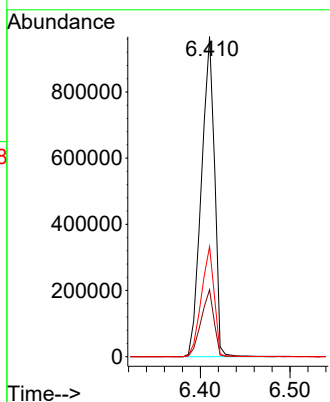
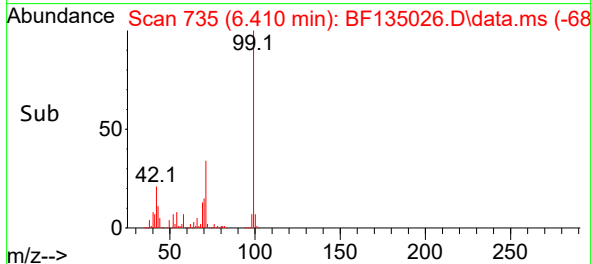
Instrument :
BNA_F
ClientSampleId :
OR-309-OK-370-COMP-22



Tgt Ion: 99 Resp: 98414
Ion Ratio Lower Upper
99 100
42 20.9 16.6 25.0
71 34.4 27.0 40.6

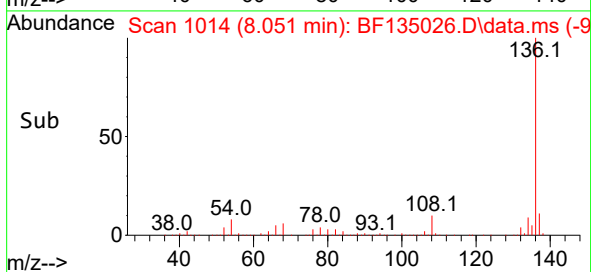
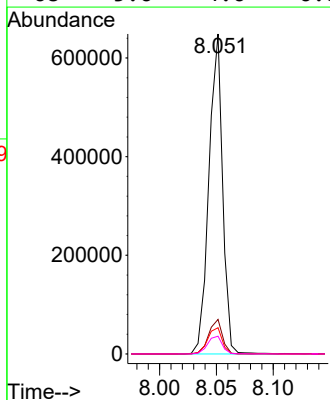
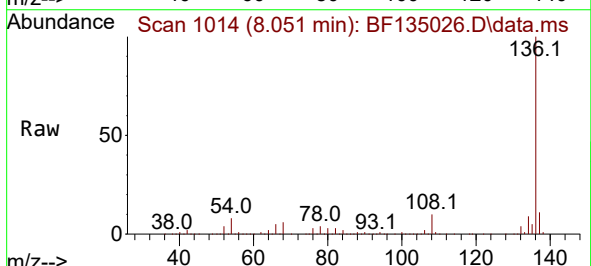
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.051 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF135026.D
Acq: 31 Aug 2023 02:56

Tgt Ion:136 Resp: 542828
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 8.2 7.0 10.4
68 5.6 4.6 6.8





#23

Nitrobenzene-d5

Concen: 62.036 ng

RT: 7.334 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF135026.D

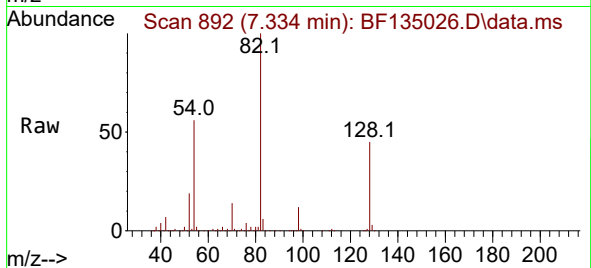
Acq: 31 Aug 2023 02:56

Instrument :

BNA_F

ClientSampleId :

OR-309-OK-370-COMP-22

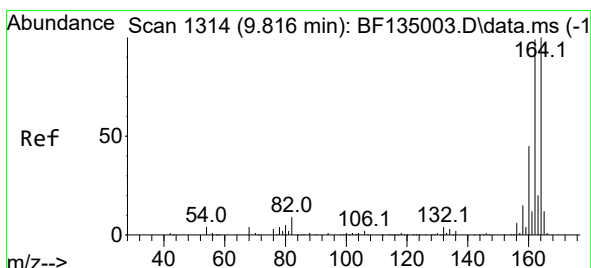
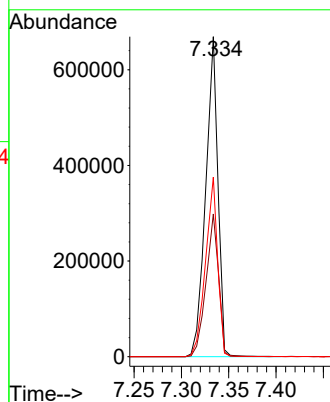
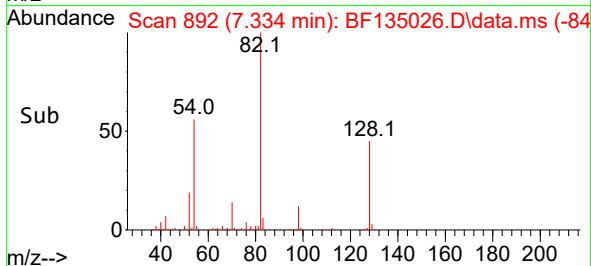


Tgt Ion: 82 Resp: 599402

Ion	Ratio	Lower	Upper
82	100		
128	44.6	37.8	56.8
54	56.1	45.0	67.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.810 min Scan# 1313

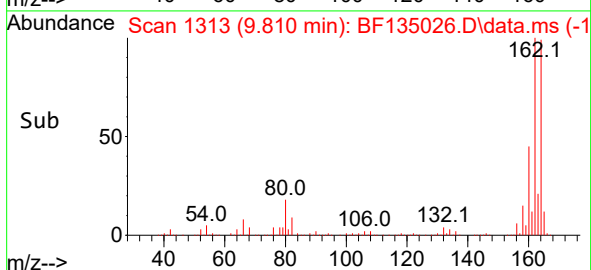
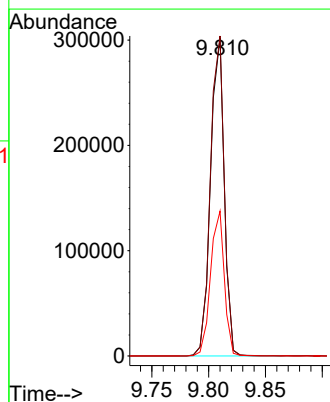
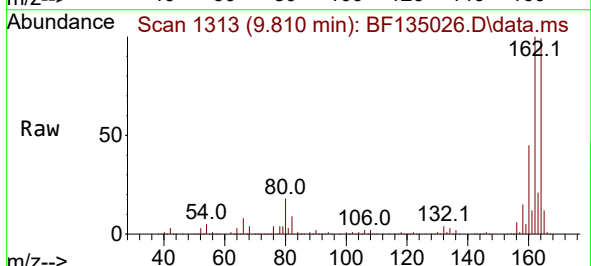
Delta R.T. -0.006 min

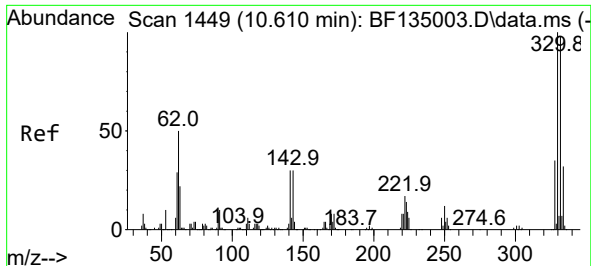
Lab File: BF135026.D

Acq: 31 Aug 2023 02:56

Tgt Ion:164 Resp: 252832

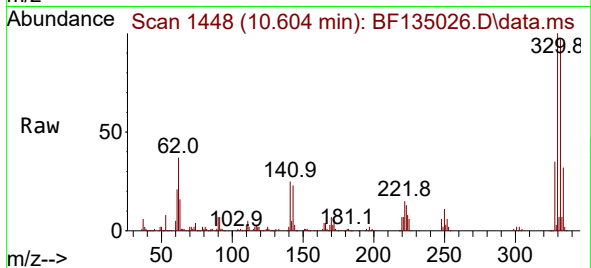
Ion	Ratio	Lower	Upper
164	100		
162	100.5	79.5	119.3
160	45.5	36.0	54.0





#42
2,4,6-Tribromophenol
Concen: 73.559 ng
RT: 10.604 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF135026.D
Acq: 31 Aug 2023 02:56

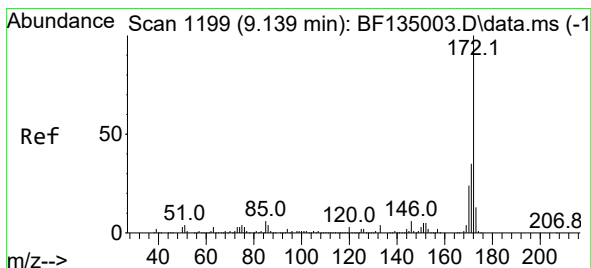
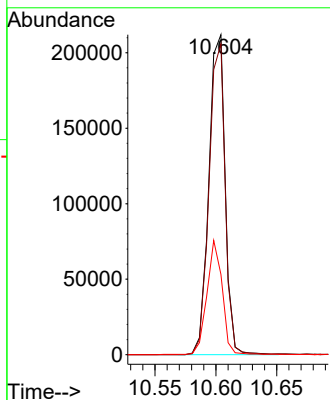
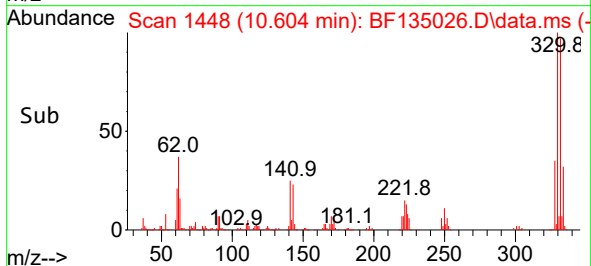
Instrument :
BNA_F
ClientSampleId :
OR-309-OK-370-COMP-22



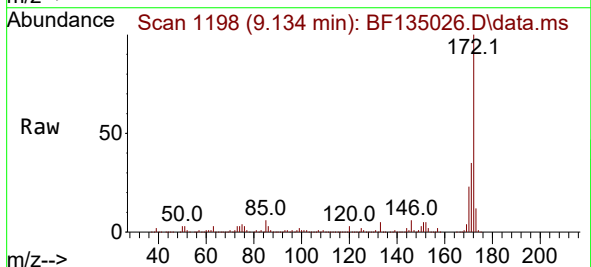
Tgt Ion:330 Resp: 19728
Ion Ratio Lower Upper
330 100
332 96.2 77.6 116.4
141 33.8 26.3 39.5

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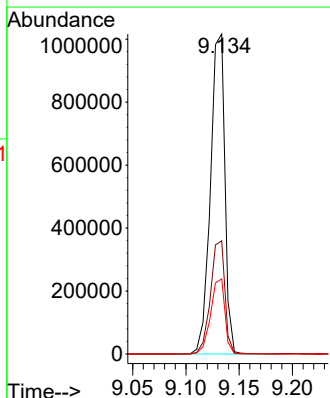
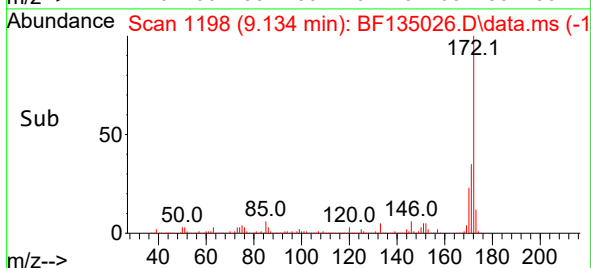
Reviewed By :Yogesh Patel 08/31/2023
Supervised By :mohammad ahmed 08/31/2023

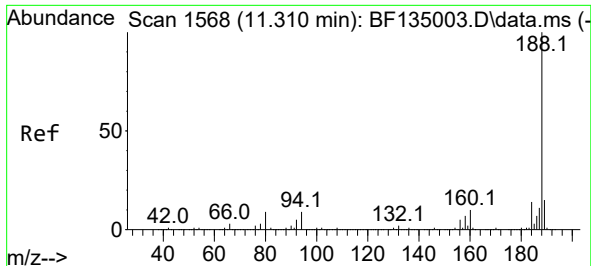


#45
2-Fluorobiphenyl
Concen: 61.932 ng
RT: 9.134 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF135026.D
Acq: 31 Aug 2023 02:56



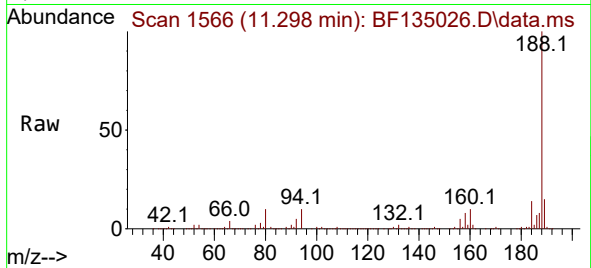
Tgt Ion:172 Resp: 961749
Ion Ratio Lower Upper
172 100
171 35.4 28.2 42.2
170 23.4 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF135026.D
Acq: 31 Aug 2023 02:56

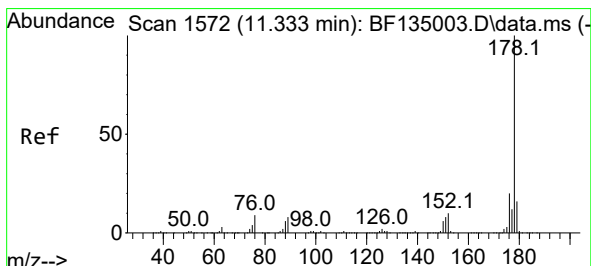
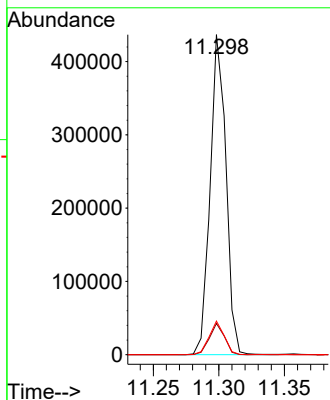
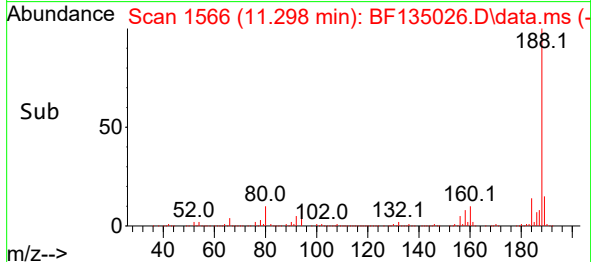
Instrument :
BNA_F
ClientSampleId :
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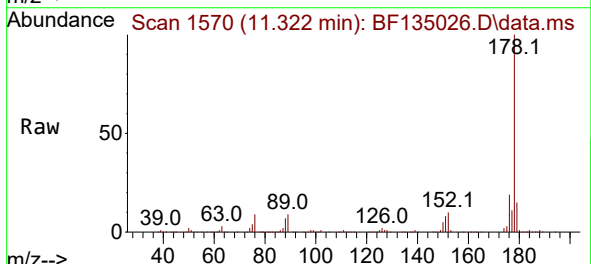
Tgt Ion:188 Resp: 36643
Ion Ratio Lower Upper
188 100
94 9.8 7.0 10.4
80 10.5 7.4 11.2

Manual Integrations
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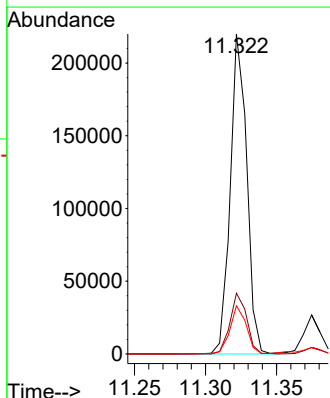
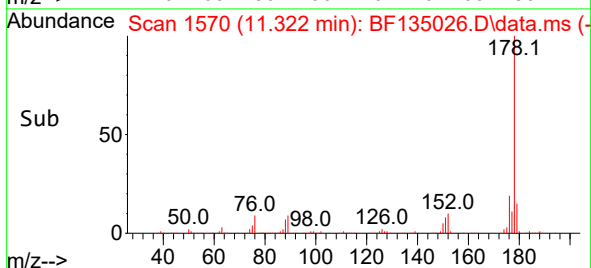
Reviewed By :Yogesh Patel 08/31/2023
Supervised By :mohammad ahmed 08/31/2023

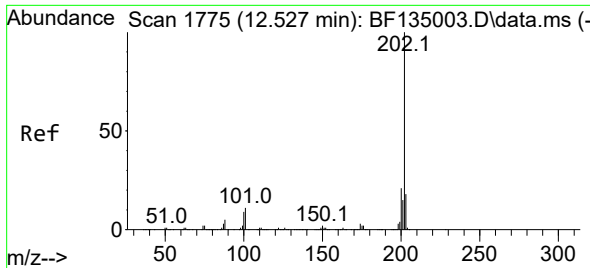


#71
Phenanthrene
Concen: 9.426 ng
RT: 11.322 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF135026.D
Acq: 31 Aug 2023 02:56



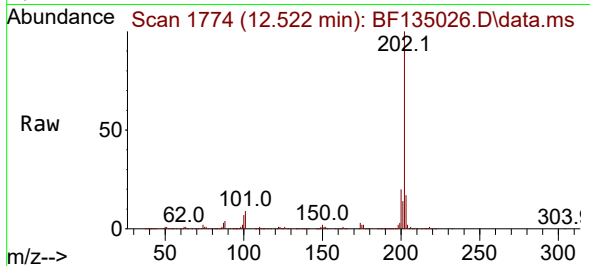
Tgt Ion:178 Resp: 178192
Ion Ratio Lower Upper
178 100
176 19.0 15.9 23.9
179 15.0 12.5 18.7





#75
Fluoranthene
Concen: 10.513 ng
RT: 12.522 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135026.D
Acq: 31 Aug 2023 02:56

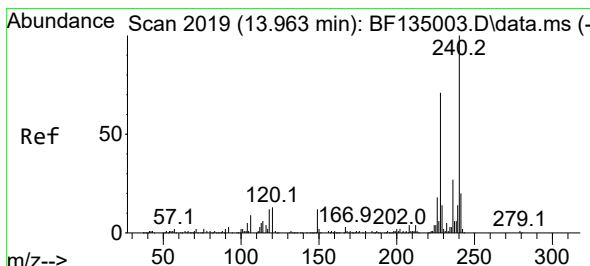
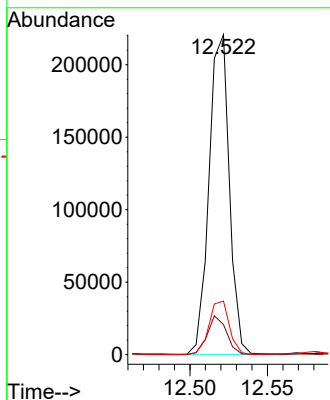
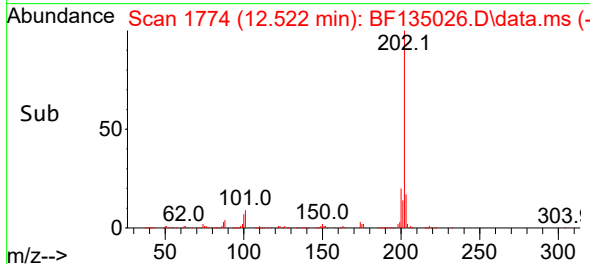
Instrument :
BNA_F
ClientSampleId :
OR-309-OK-370-COMP-22



Tgt Ion:202 Resp: 20094
Ion Ratio Lower Upper
202 100
101 9.4 0.0 31.5
203 16.8 0.0 37.8

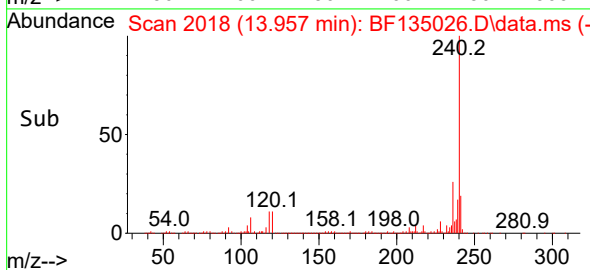
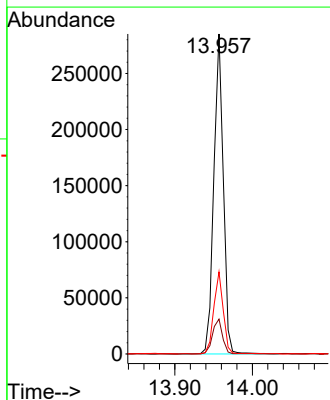
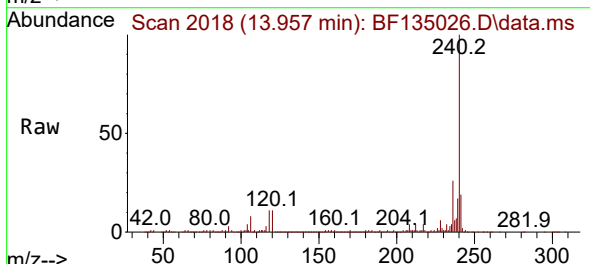
Manual Integrations
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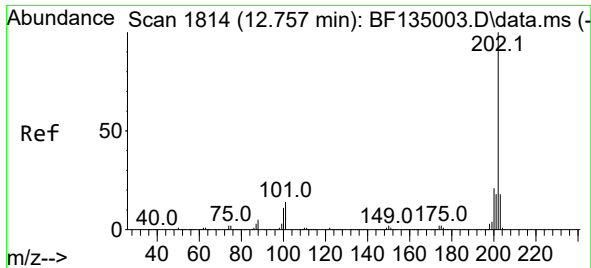
Reviewed By :Yogesh Patel 08/31/2023
Supervised By :mohammad ahmed 08/31/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF135026.D
Acq: 31 Aug 2023 02:56

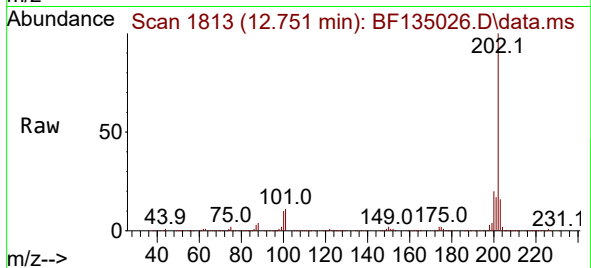
Tgt Ion:240 Resp: 242674
Ion Ratio Lower Upper
240 100
120 10.9 10.2 15.2
236 25.6 21.3 31.9





#78
Pyrene
Concen: 8.197 ng
RT: 12.751 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF135026.D
Acq: 31 Aug 2023 02:56

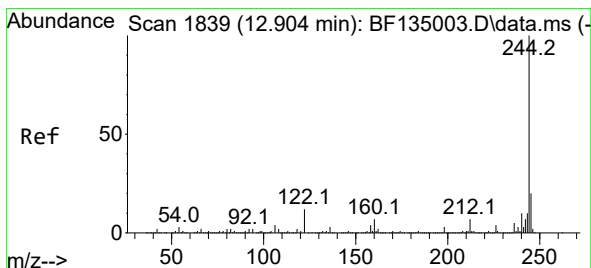
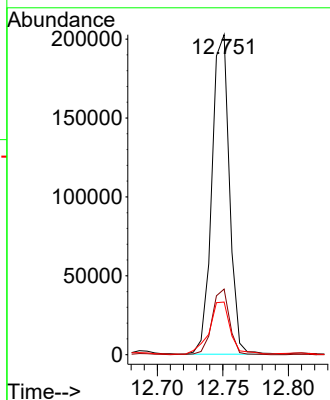
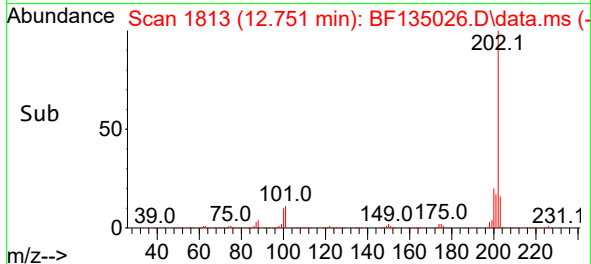
Instrument :
BNA_F
ClientSampleId :
OR-309-OK-370-COMP-22



Tgt Ion:202 Resp: 188858
Ion Ratio Lower Upper
202 100
200 20.5 17.0 25.6
203 16.4 14.2 21.2

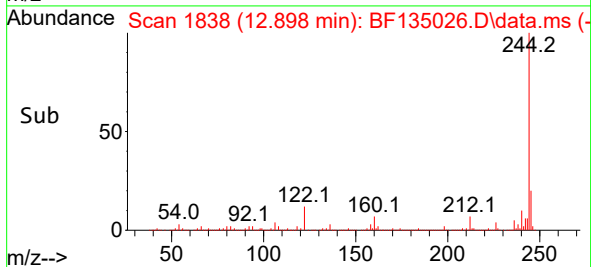
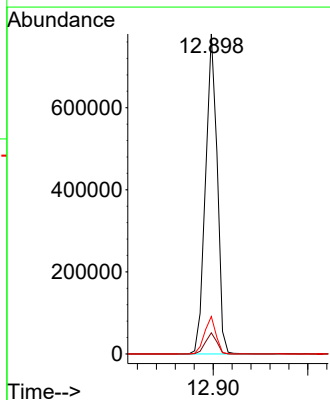
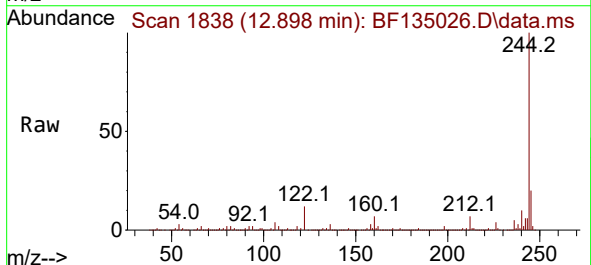
Manual Integrations
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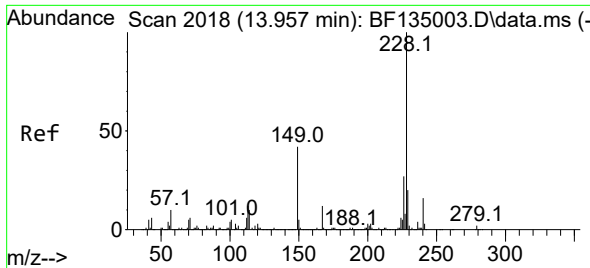
Reviewed By :Yogesh Patel 08/31/2023
Supervised By :mohammad ahmed 08/31/2023



#79
Terphenyl-d14
Concen: 44.656 ng
RT: 12.898 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF135026.D
Acq: 31 Aug 2023 02:56

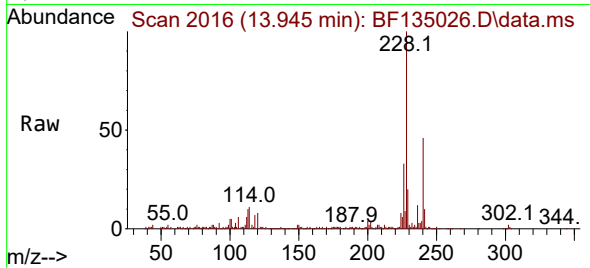
Tgt Ion:244 Resp: 664066
Ion Ratio Lower Upper
244 100
212 6.6 5.6 8.4
122 11.7 9.8 14.6





#81
Benzo(a)anthracene
Concen: 5.126 ng m
RT: 13.945 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF135026.D
Acq: 31 Aug 2023 02:56

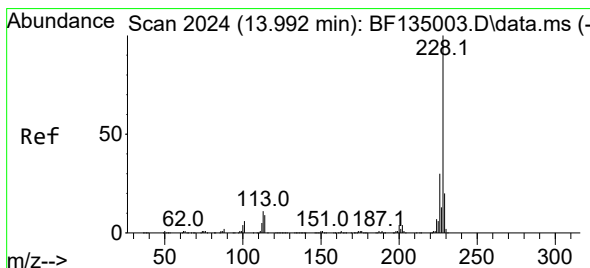
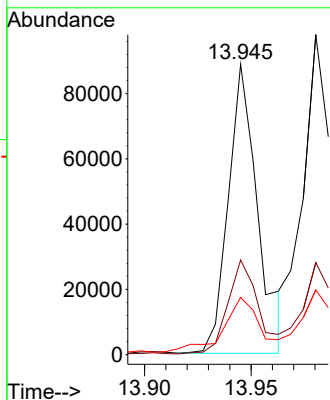
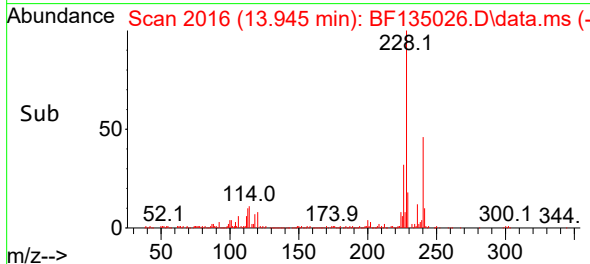
Instrument :
BNA_F
ClientSampleId :
OR-309-OK-370-COMP-22



Tgt Ion:228 Resp: 8485
Ion Ratio Lower Upper
228 100
226 32.6 21.6 32.4
229 19.7 15.6 23.4

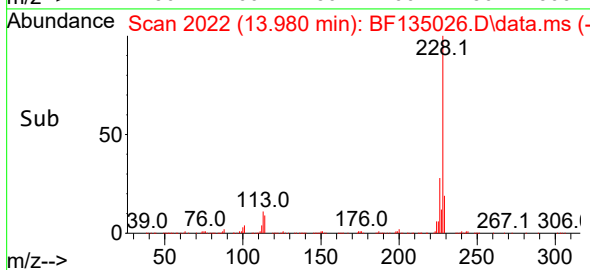
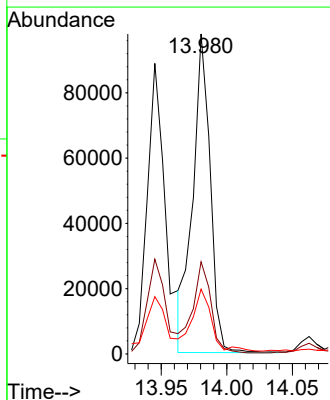
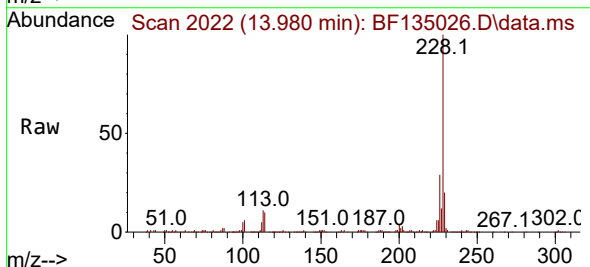
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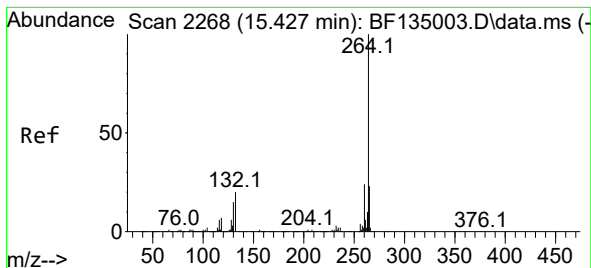
Reviewed By :Yogesh Patel 08/31/2023
Supervised By :mohammad ahmed 08/31/2023



#83
Chrysene
Concen: 5.543 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF135026.D
Acq: 31 Aug 2023 02:56

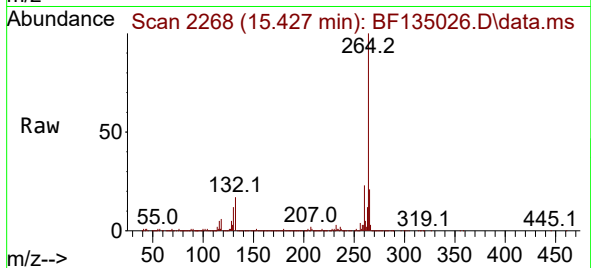
Tgt Ion:228 Resp: 90174
Ion Ratio Lower Upper
228 100
226 28.8 24.2 36.4
229 20.3 15.9 23.9





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.427 min Scan# 211
 Delta R.T. 0.000 min
 Lab File: BF135026.D
 Acq: 31 Aug 2023 02:56

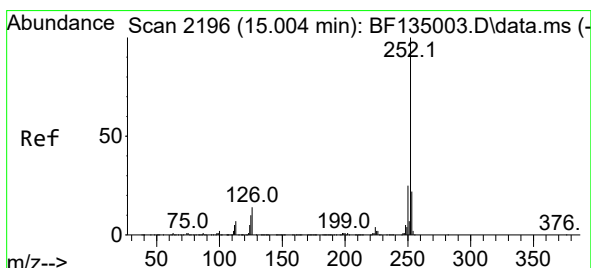
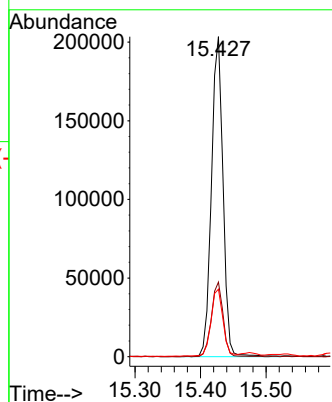
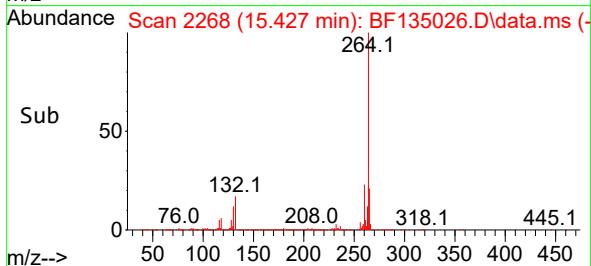
Instrument :
 BNA_F
 ClientSampleId :
 OR-309-OK-370-COMP-22



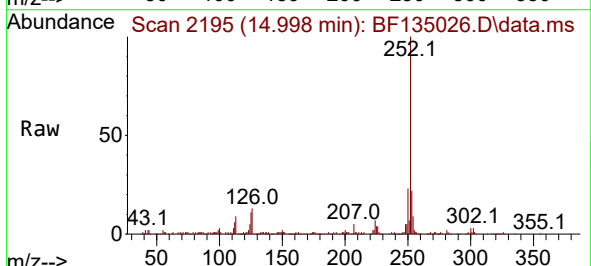
Tgt Ion:264 Resp: 25011
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.0 28.6
 265 21.1 18.2 27.2

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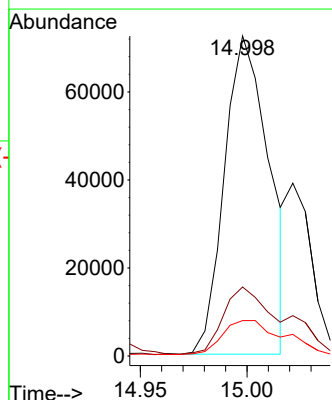
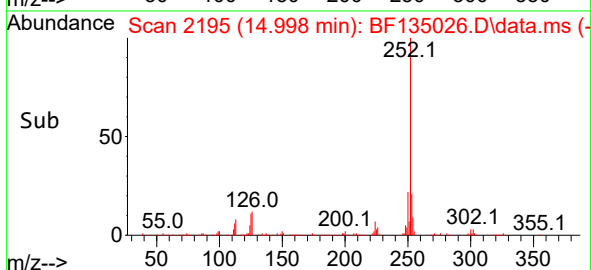
Reviewed By :Yogesh Patel 08/31/2023
 Supervised By :mohammad ahmed 08/31/2023

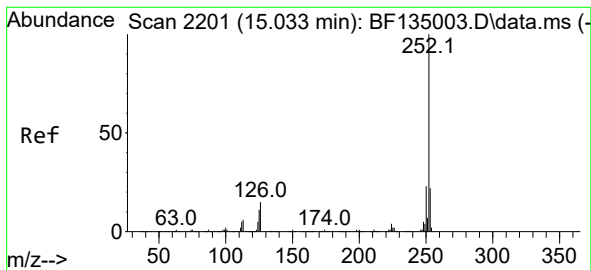


#88
 Benzo(b)fluoranthene
 Concen: 6.778 ng m
 RT: 14.998 min Scan# 2195
 Delta R.T. -0.006 min
 Lab File: BF135026.D
 Acq: 31 Aug 2023 02:56



Tgt Ion:252 Resp: 105486
 Ion Ratio Lower Upper
 252 100
 253 21.5 17.8 26.8
 125 11.0 8.4 12.6





#89

Benzo(k)fluoranthene

Concen: 2.037 ng m

RT: 15.021 min Scan# 2199

Delta R.T. -0.012 min

Lab File: BF135026.D

Acq: 31 Aug 2023 02:56

Instrument :

BNA_F

ClientSampleId :

OR-309-OK-370-COMP-22

Tgt Ion:252 Resp: 30620

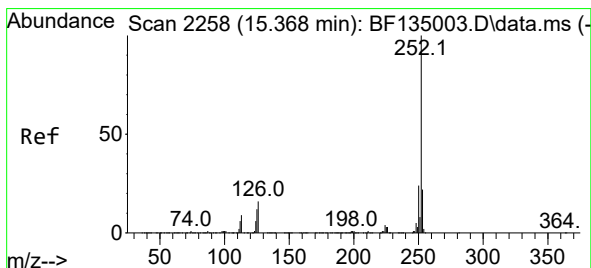
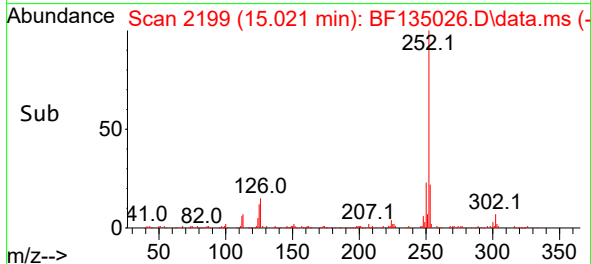
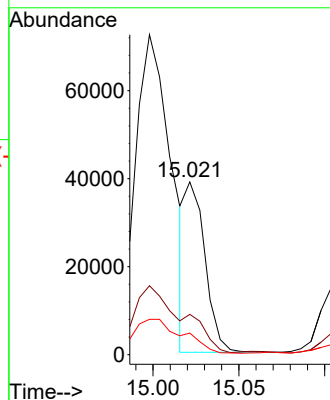
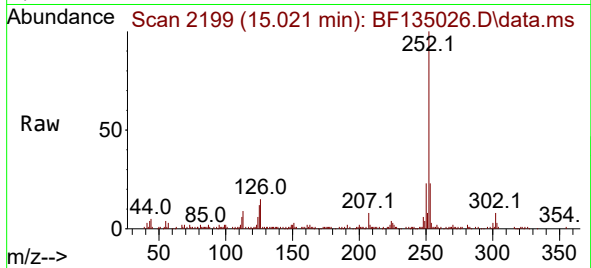
Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.0
125	12.5	8.5	12.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/31/2023

Supervised By :mohammad ahmed 08/31/2023



#90

Benzo(a)pyrene

Concen: 4.848 ng

RT: 15.363 min Scan# 2257

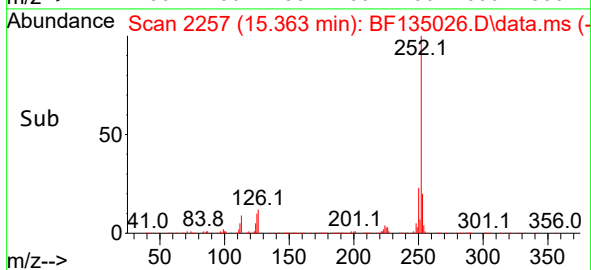
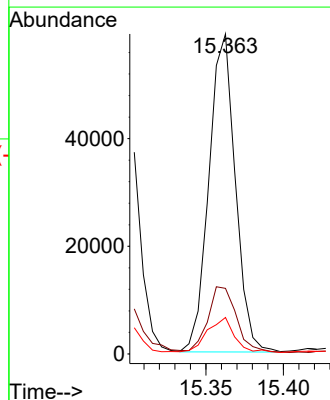
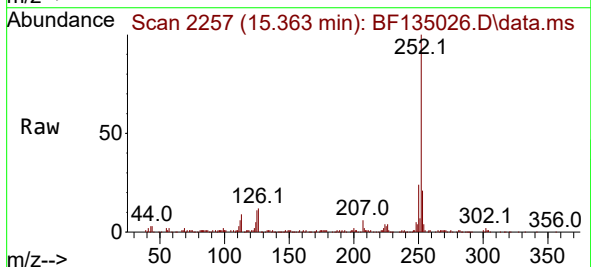
Delta R.T. -0.006 min

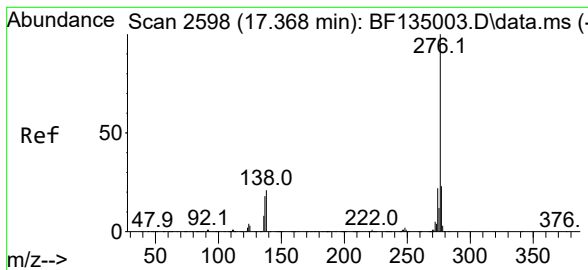
Lab File: BF135026.D

Acq: 31 Aug 2023 02:56

Tgt Ion:252 Resp: 70083

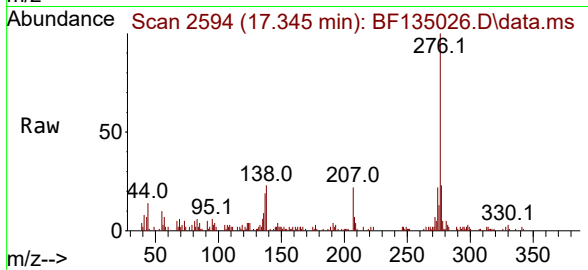
Ion	Ratio	Lower	Upper
252	100		
253	20.5	17.4	26.0
125	11.4	9.5	14.3





#92
Benzo(g,h,i)perylene
Concen: 2.230 ng
RT: 17.345 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF135026.D
Acq: 31 Aug 2023 02:56

Instrument :
BNA_F
ClientSampleId :
OR-309-OK-370-COMP-22



Tgt Ion:	276	Resp:	3165
Ion Ratio	Lower	Upper	
276	100		
277	23.5	18.5	27.7
138	22.8	17.1	25.7

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/31/2023
Supervised By :mohammad ahmed 08/31/2023

