

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
 Data File : BF131373.D
 Acq On : 23 Nov 2022 21:39
 Operator : CG\JU
 Sample : N5753-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11986

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/25/2022
 Supervised By : Jagrut Upadhyay 11/25/2022

Quant Time: Nov 24 05:58:01 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 24 05:53:32 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.951	152	130399	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	448338	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	226872	20.000	ng	0.00
64) Phenanthrene-d10	11.498	188	332570	20.000	ng	0.00
76) Chrysene-d12	14.157	240	219623	20.000	ng	0.00
86) Perylene-d12	15.692	264	202621	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	776587	113.345	ng	0.02
7) Phenol-d6	6.569	99	978837	111.973	ng	0.00
23) Nitrobenzene-d5	7.522	82	644757	72.493	ng	0.00
42) 2,4,6-Tribromophenol	10.798	330	204531	107.158	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1016497	65.183	ng	0.00
79) Terphenyl-d14	13.092	244	726131	54.066	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.522	178	189980	10.570	ng	98
75) Fluoranthene	12.721	202	293384	15.491	ng	99
78) Pyrene	12.951	202	271472	14.010	ng	100
81) Benzo(a)anthracene	14.145	228	123564	8.208	ng	94
83) Chrysene	14.180	228	120651	8.169	ng	99
84) Bis(2-ethylhexyl)phtha...	14.133	149	41011	8.119	ng	95
87) Indeno(1,2,3-cd)pyrene	17.245	276	51470	3.782	ng	99
88) Benzo(b)fluoranthene	15.233	252	142840m	10.612	ng	
89) Benzo(k)fluoranthene	15.262	252	48395m	3.499	ng	
90) Benzo(a)pyrene	15.621	252	97181	8.799	ng	# 97
92) Benzo(g,h,i)perylene	17.721	276	49493	4.414	ng	99

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

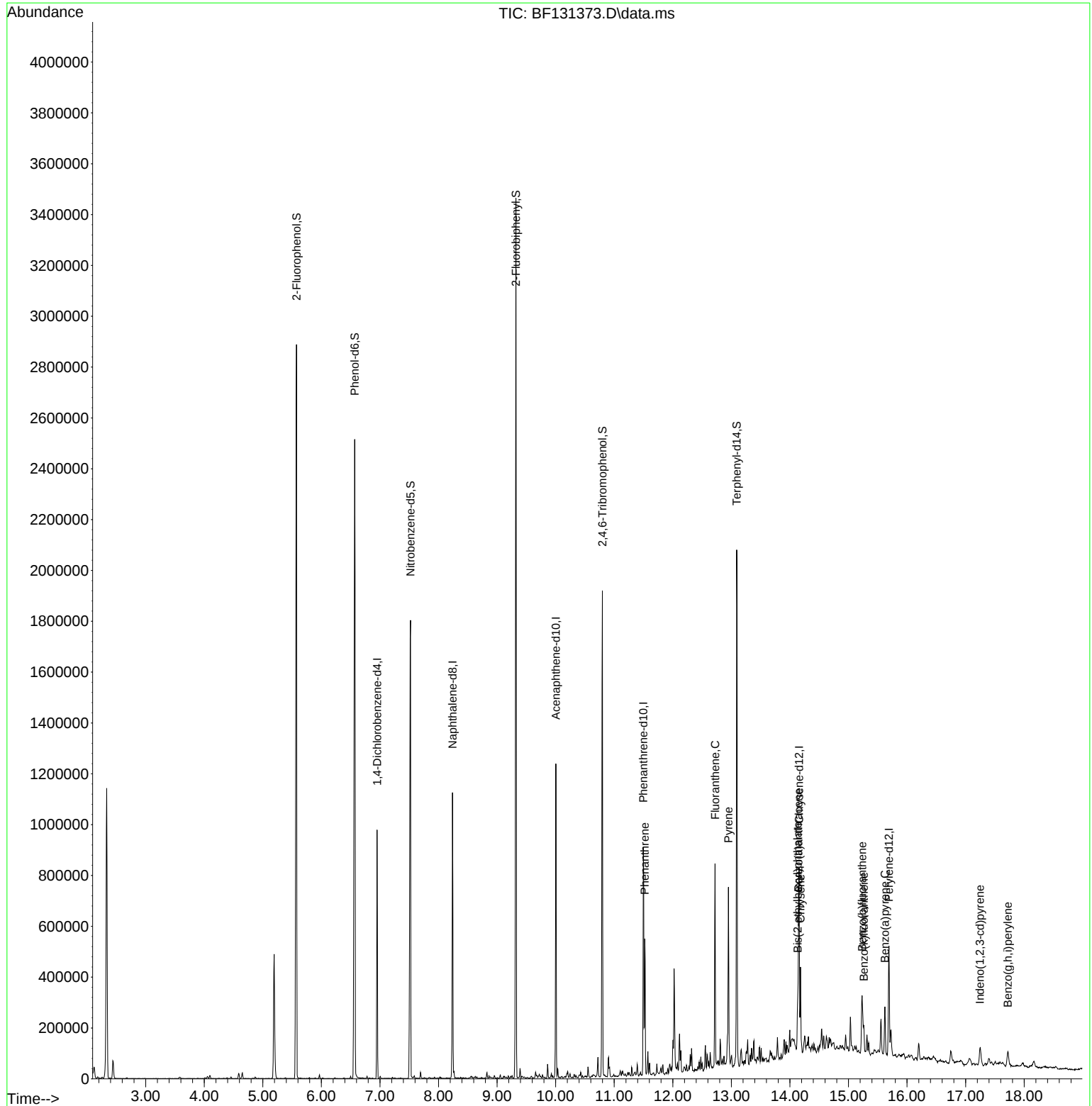
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
Data File : BF131373.D
Acq On : 23 Nov 2022 21:39
Operator : CG\JU
Sample : N5753-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

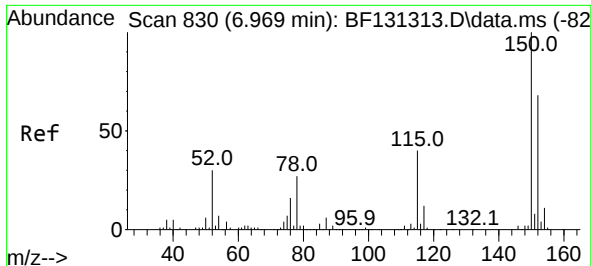
Instrument :
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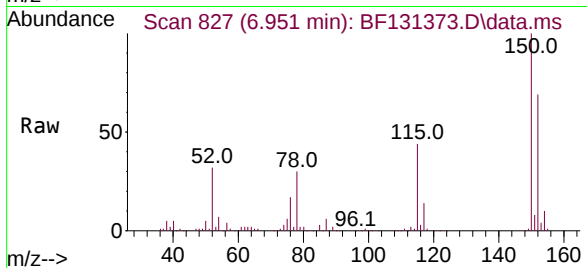
Quant Time: Nov 24 05:58:01 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 24 05:53:32 2022
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.951 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BF131373.D
 Acq: 23 Nov 2022 21:39

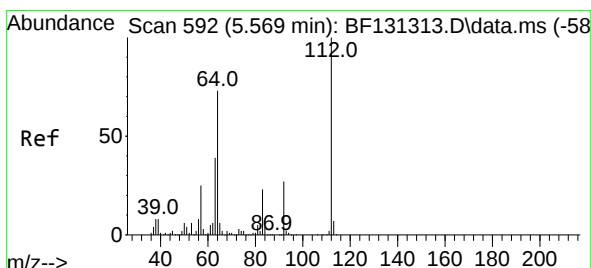
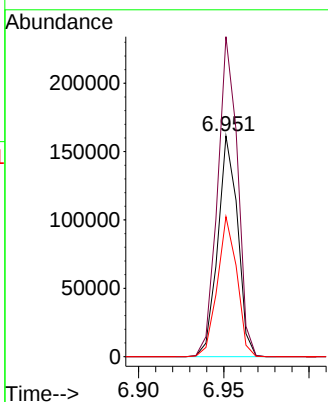
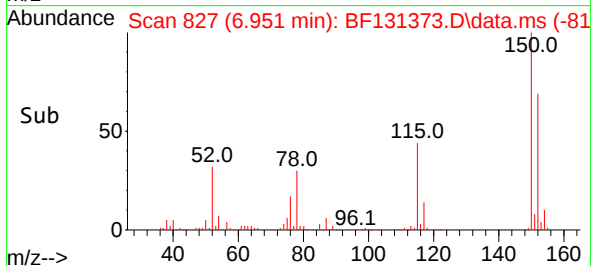
Instrument :
 BNA_F
 ClientSampleId :
 72-11986



Tgt Ion:152 Resp: 130399
 Ion Ratio Lower Upper
 152 100
 150 145.1 117.8 176.8
 115 63.4 47.1 70.7

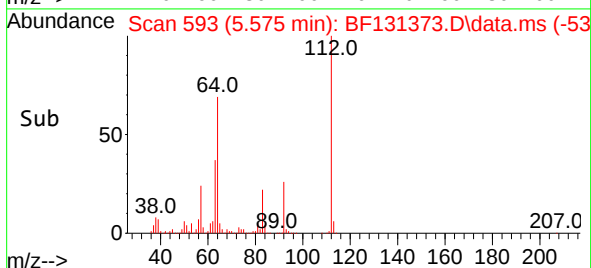
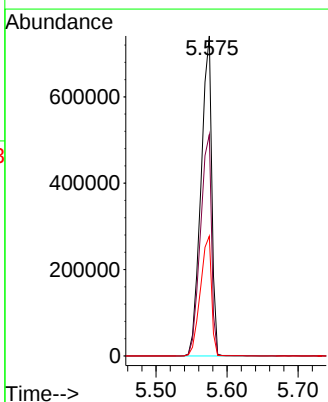
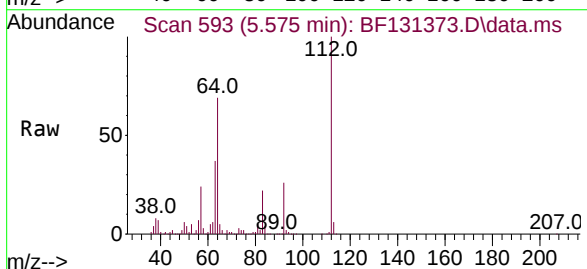
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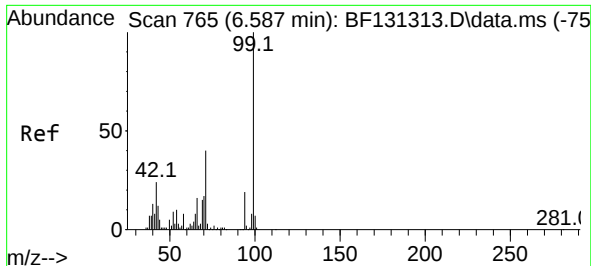
Reviewed By :Christian Giraldo 11/25/2022
 Supervised By :Jagrut Upadhyay 11/25/2022



#5
 2-Fluorophenol
 Concen: 113.345 ng
 RT: 5.575 min Scan# 593
 Delta R.T. 0.018 min
 Lab File: BF131373.D
 Acq: 23 Nov 2022 21:39

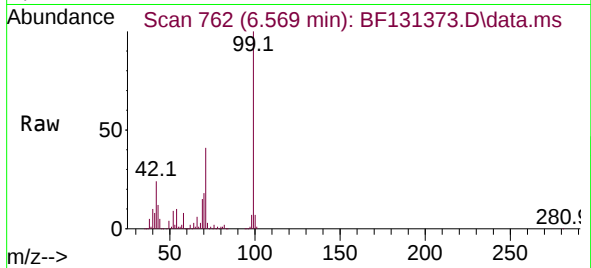
Tgt Ion:112 Resp: 776587
 Ion Ratio Lower Upper
 112 100
 64 69.1 58.6 88.0
 63 37.4 31.4 47.0





#7
Phenol-d6
Concen: 111.973 ng
RT: 6.569 min Scan# 70
Delta R.T. -0.000 min
Lab File: BF131373.D
Acq: 23 Nov 2022 21:39

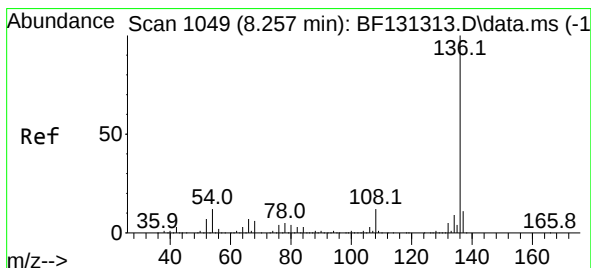
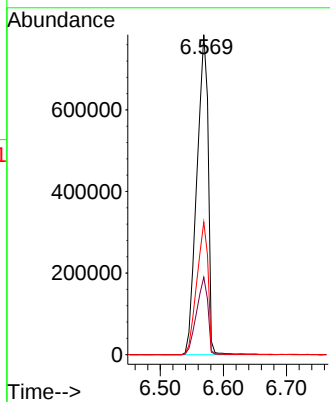
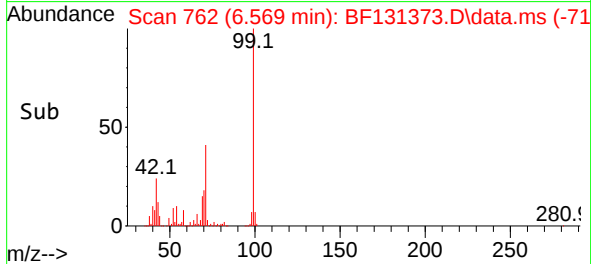
Instrument :
BNA_F
ClientSampleId :
72-11986



Tgt Ion: 99 Resp: 97883
Ion Ratio Lower Upper
99 100
42 24.2 19.4 29.2
71 41.4 32.3 48.5

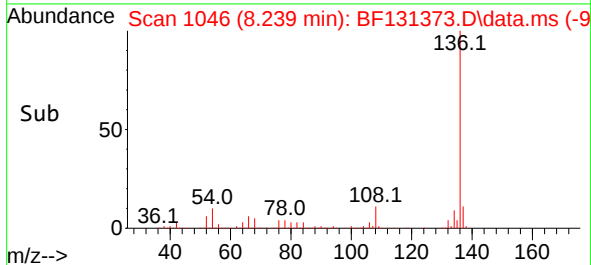
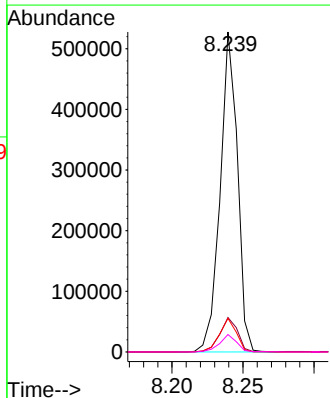
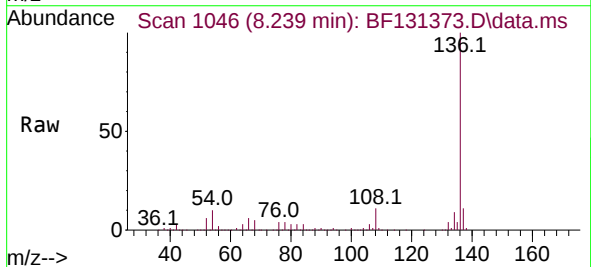
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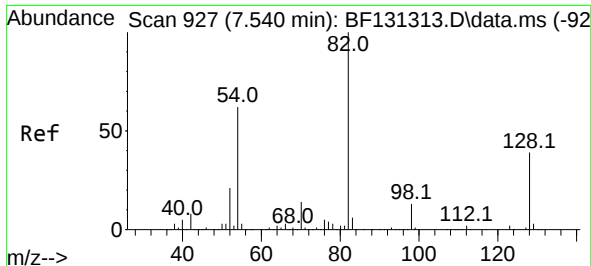
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1046
Delta R.T. -0.006 min
Lab File: BF131373.D
Acq: 23 Nov 2022 21:39

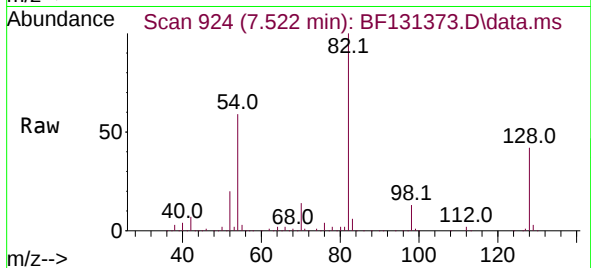
Tgt Ion:136 Resp: 448338
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.6
54 10.5 9.4 14.0
68 5.4 4.5 6.7





#23
Nitrobenzene-d5
Concen: 72.493 ng
RT: 7.522 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF131373.D
Acq: 23 Nov 2022 21:39

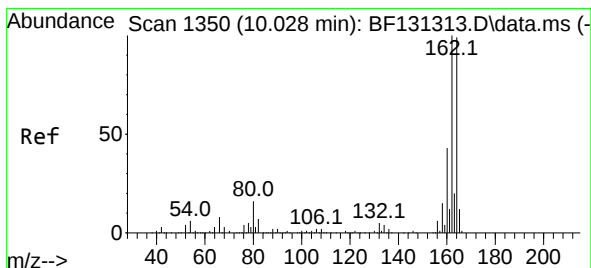
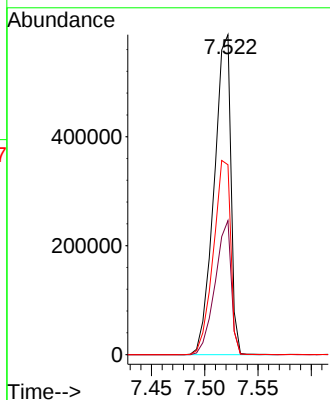
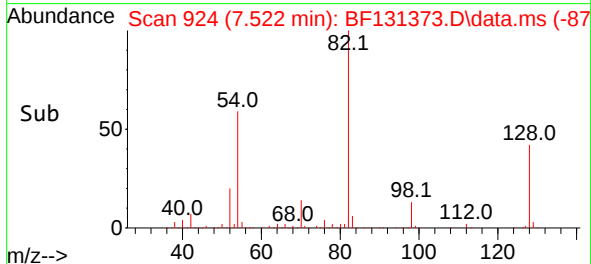
Instrument :
BNA_F
ClientSampleId :
72-11986



Tgt Ion: 82 Resp: 644752
Ion Ratio Lower Upper
82 100
128 41.9 31.4 47.0
54 59.3 49.8 74.6

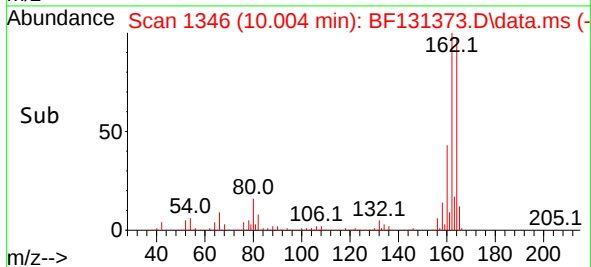
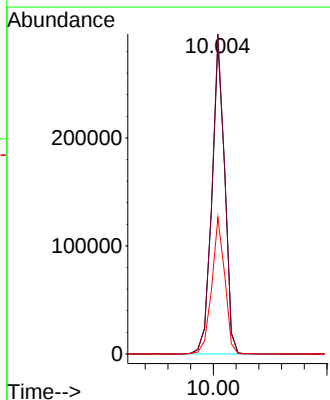
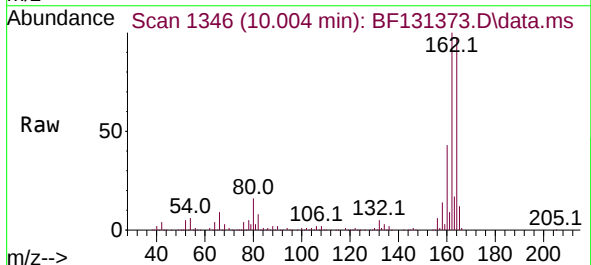
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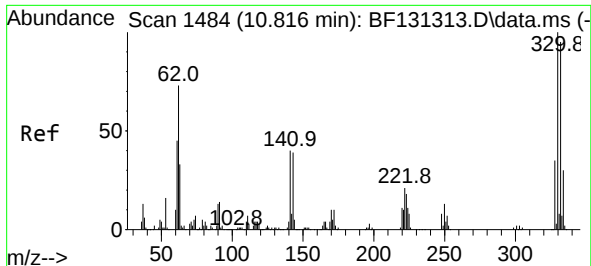
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF131373.D
Acq: 23 Nov 2022 21:39

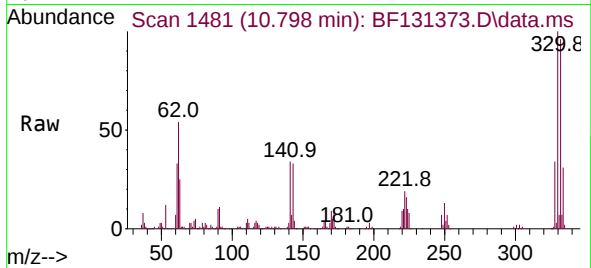
Tgt Ion:164 Resp: 226872
Ion Ratio Lower Upper
164 100
162 102.8 80.6 120.8
160 43.8 34.4 51.6





#42
2,4,6-Tribromophenol
Concen: 107.158 ng
RT: 10.798 min Scan# 1484
Delta R.T. -0.006 min
Lab File: BF131373.D
Acq: 23 Nov 2022 21:39

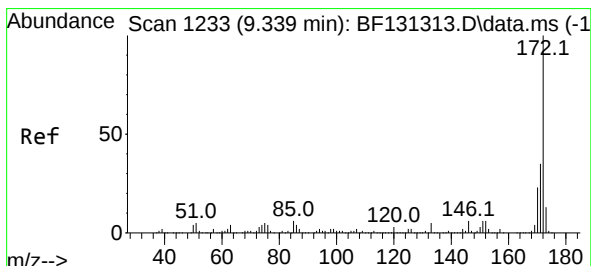
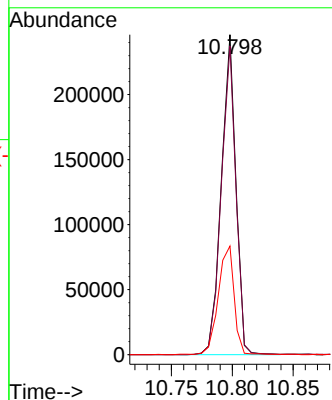
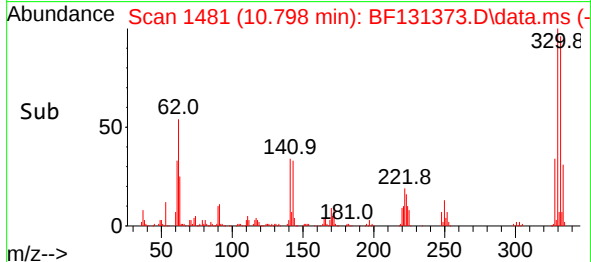
Instrument :
BNA_F
ClientSampleId :
72-11986



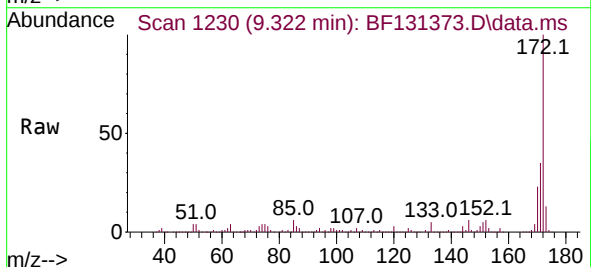
Tgt Ion: 330 Resp: 204531
Ion Ratio Lower Upper
330 100
332 97.0 77.5 116.3
141 37.3 29.3 43.9

Manual Integrations
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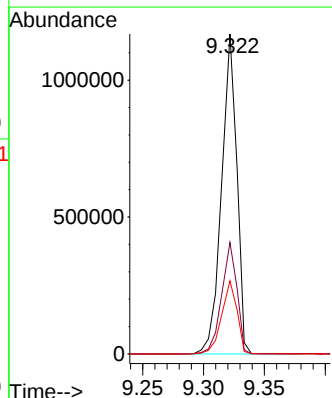
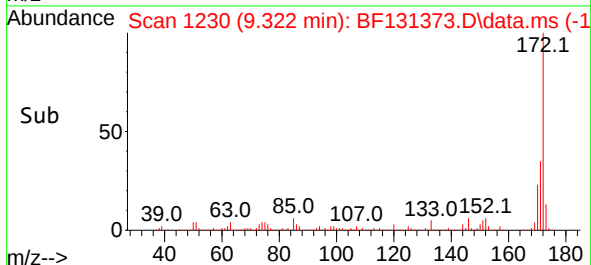
Reviewed By : Christian Giraldo 11/25/2022
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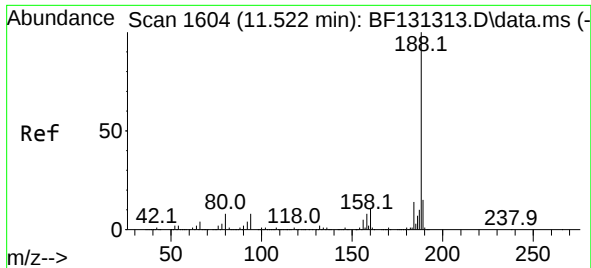


#45
2-Fluorobiphenyl
Concen: 65.183 ng
RT: 9.322 min Scan# 1230
Delta R.T. -0.006 min
Lab File: BF131373.D
Acq: 23 Nov 2022 21:39



Tgt Ion: 172 Resp: 1016497
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.2
170 22.8 18.7 28.1





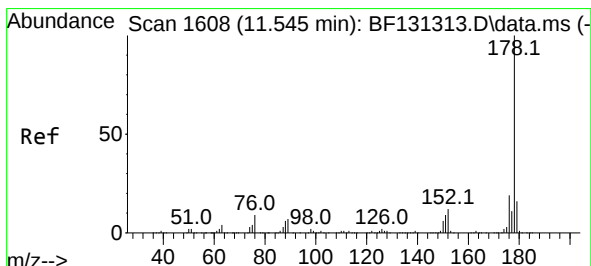
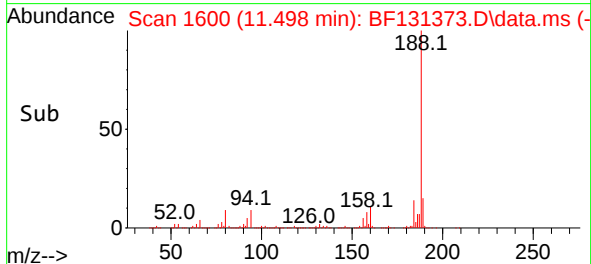
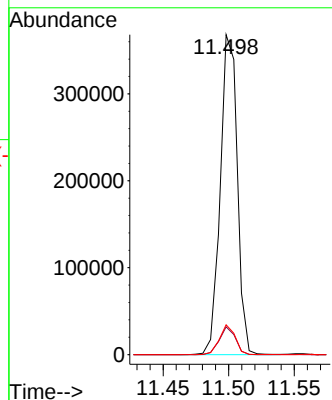
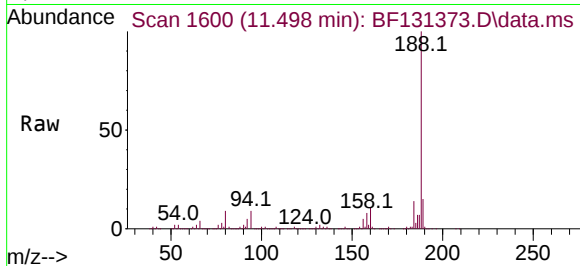
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Phenanthrene-d10
Concen: 20.000 ng
RT: 11.498 min Scan# 1604
Delta R.T. -0.006 min
Lab File: BF131373.D
Acq: 23 Nov 2022 21:39

Instrument :
BNA_F
ClientSampleId :
72-11986

Tgt Ion:188 Resp: 332570
Ion Ratio Lower Upper
188 100
94 8.7 6.3 9.5
80 9.3 6.8 10.2

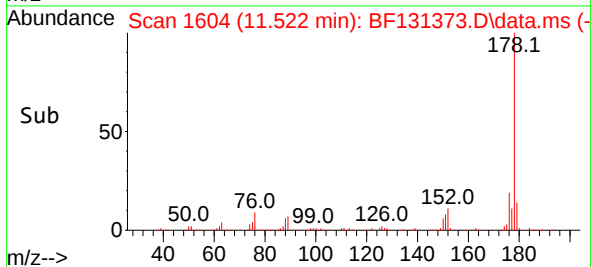
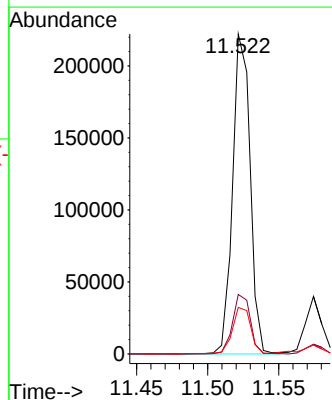
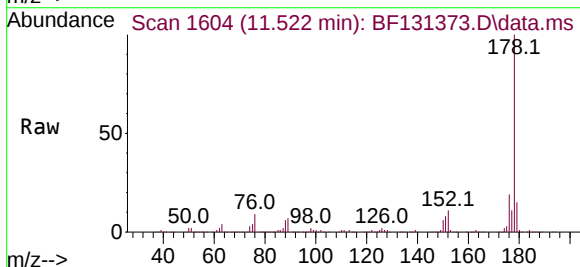
Manual Integrations
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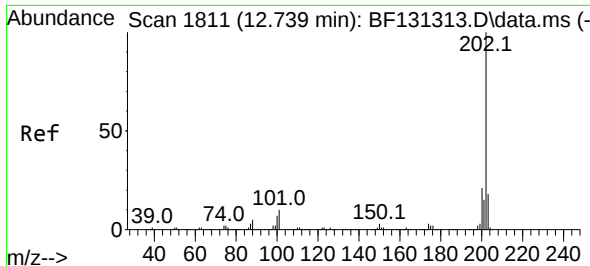
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#71
Phenanthrene
Concen: 10.570 ng
RT: 11.522 min Scan# 1604
Delta R.T. -0.012 min
Lab File: BF131373.D
Acq: 23 Nov 2022 21:39

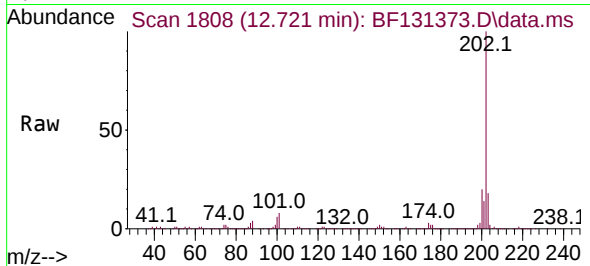
Tgt Ion:178 Resp: 189980
Ion Ratio Lower Upper
178 100
176 18.6 15.6 23.4
179 14.5 12.4 18.6





#75
Fluoranthene
Concen: 15.491 ng
RT: 12.721 min Scan# 1811
Delta R.T. -0.006 min
Lab File: BF131373.D
Acq: 23 Nov 2022 21:39

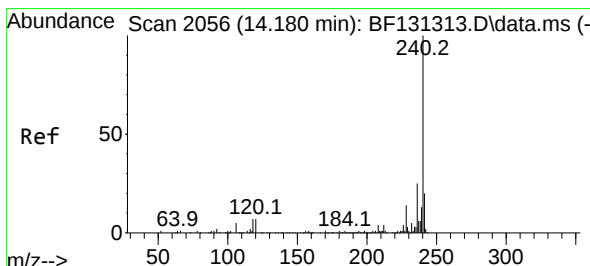
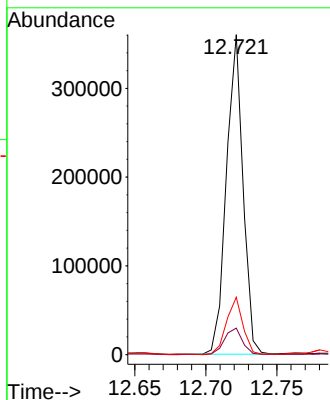
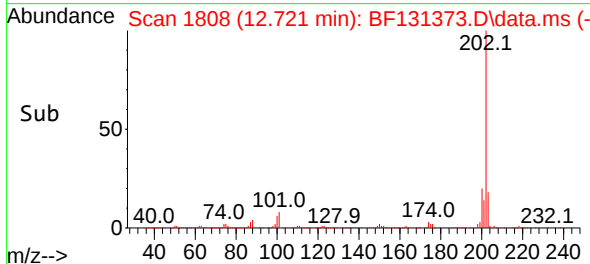
Instrument :
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72-11986



Tgt Ion:202 Resp: 293384
Ion Ratio Lower Upper
202 100
101 8.3 0.0 29.6
203 17.9 0.0 37.8

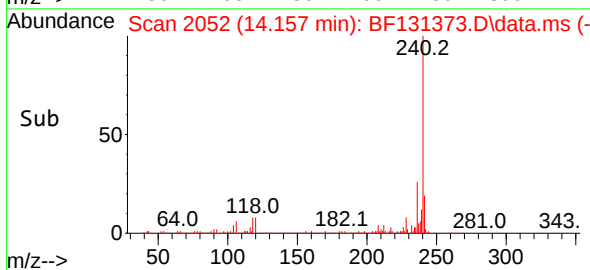
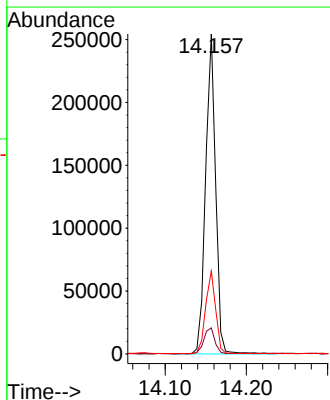
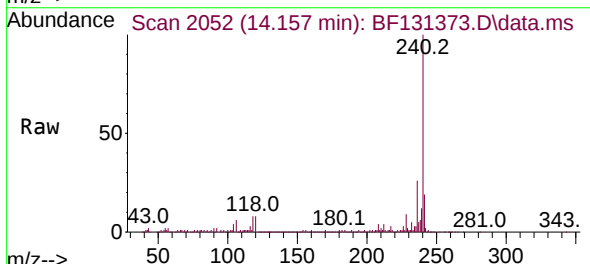
Manual Integrations
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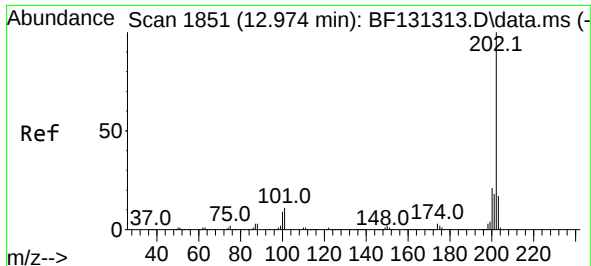
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.157 min Scan# 2052
Delta R.T. -0.006 min
Lab File: BF131373.D
Acq: 23 Nov 2022 21:39

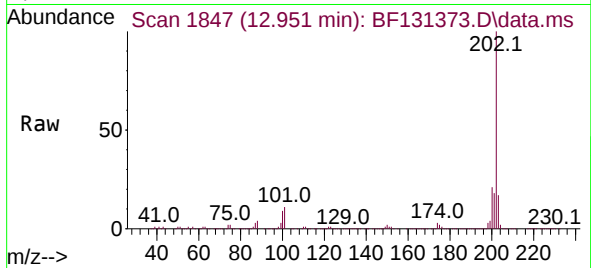
Tgt Ion:240 Resp: 219623
Ion Ratio Lower Upper
240 100
120 8.1 5.8 8.8
236 25.9 20.3 30.5





#78
Pyrene
Concen: 14.010 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.006 min
Lab File: BF131373.D
Acq: 23 Nov 2022 21:39

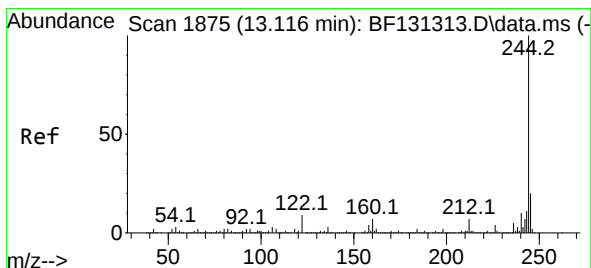
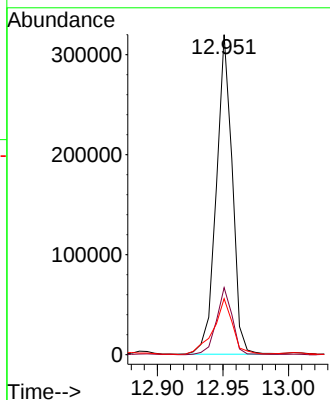
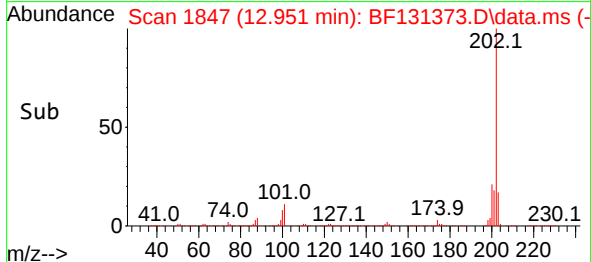
Instrument :
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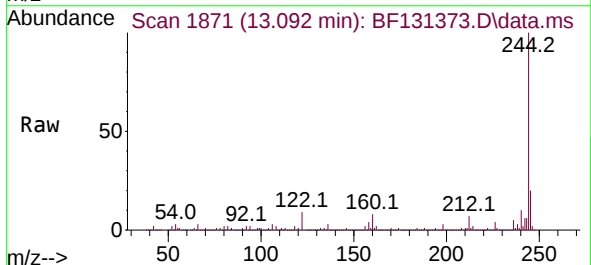
Tgt Ion:202 Resp: 271472
Ion Ratio Lower Upper
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200 20.9 16.9 25.3
203 17.5 13.9 20.9

Manual Integrations
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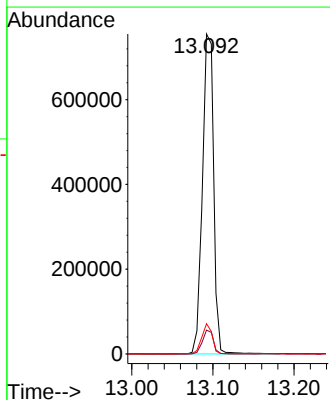
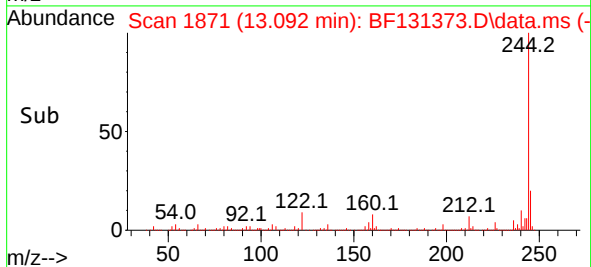
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022

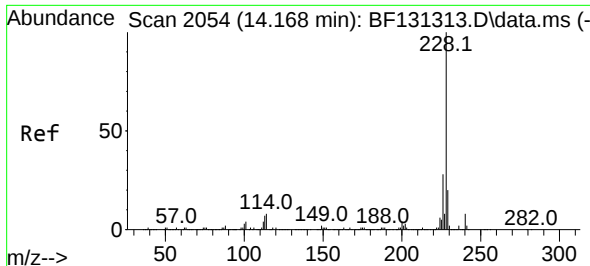


#79
Terphenyl-d14
Concen: 54.066 ng
RT: 13.092 min Scan# 1871
Delta R.T. -0.006 min
Lab File: BF131373.D
Acq: 23 Nov 2022 21:39



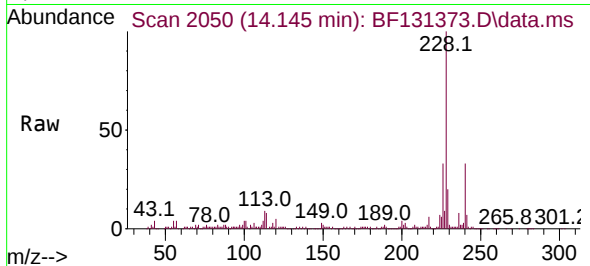
Tgt Ion:244 Resp: 726131
Ion Ratio Lower Upper
244 100
212 7.4 5.9 8.9
122 9.4 7.5 11.3





#81
Benzo(a)anthracene
Concen: 8.208 ng
RT: 14.145 min Scan# 2054
Delta R.T. -0.006 min
Lab File: BF131373.D
Acq: 23 Nov 2022 21:39

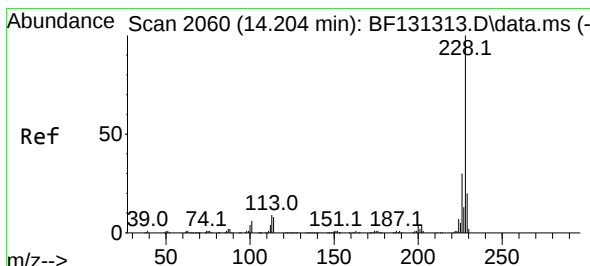
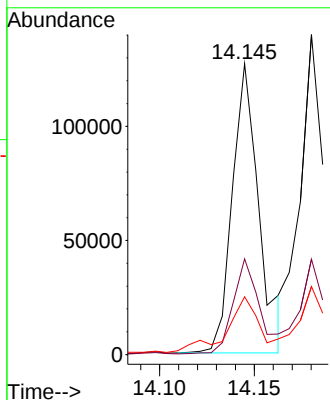
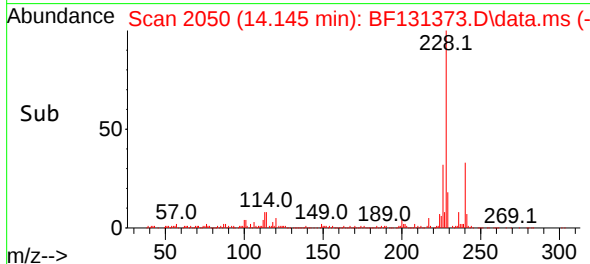
Instrument :
BNA_F
ClientSampleId :
72-11986



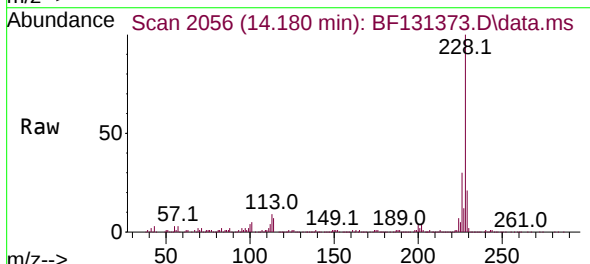
Tgt Ion:228 Resp: 123564
Ion Ratio Lower Upper
228 100
226 32.9 22.0 33.0
229 19.9 15.7 23.5

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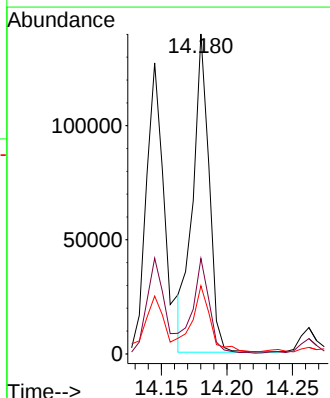
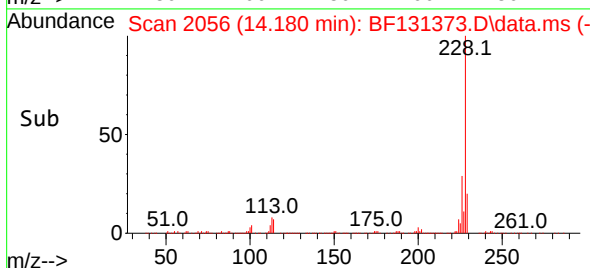
Reviewed By :Christian Giraldo 11/25/2022
Supervised By :Jagrut Upadhyay 11/25/2022

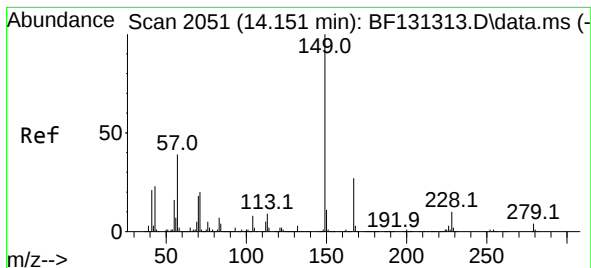


#83
Chrysene
Concen: 8.169 ng
RT: 14.180 min Scan# 2056
Delta R.T. -0.006 min
Lab File: BF131373.D
Acq: 23 Nov 2022 21:39



Tgt Ion:228 Resp: 120651
Ion Ratio Lower Upper
228 100
226 29.8 23.7 35.5
229 21.3 16.2 24.4





#84

Bis(2-ethylhexyl)phthalate

Concen: 8.119 ng

RT: 14.133 min Scan# 2051

Delta R.T. -0.000 min

Lab File: BF131373.D

Acq: 23 Nov 2022 21:39

Instrument :

BNA_F

ClientSampleId :

72-11986

Tgt Ion:149 Resp: 4101

Ion Ratio Lower Upper

149 100

167 30.2 21.9 32.9

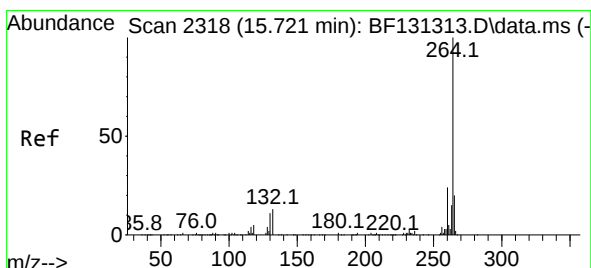
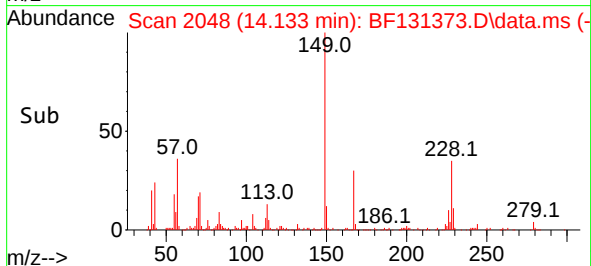
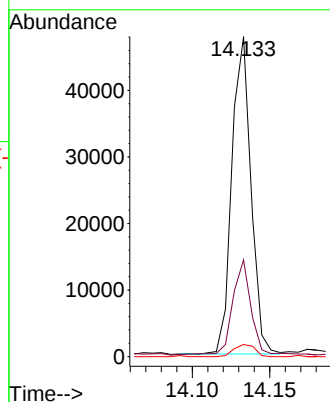
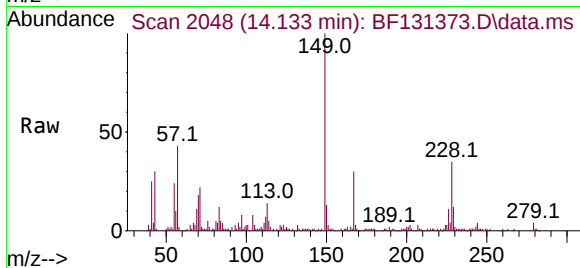
279 3.8 3.0 4.4

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#86

Perylene-d12

Concen: 20.000 ng

RT: 15.692 min Scan# 2313

Delta R.T. -0.000 min

Lab File: BF131373.D

Acq: 23 Nov 2022 21:39

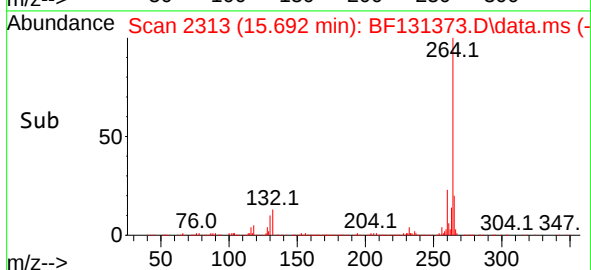
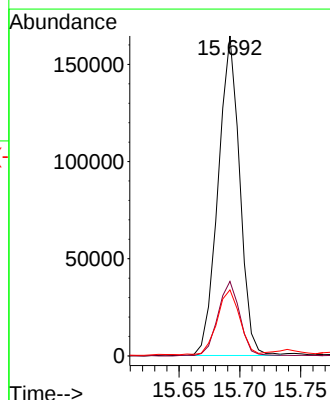
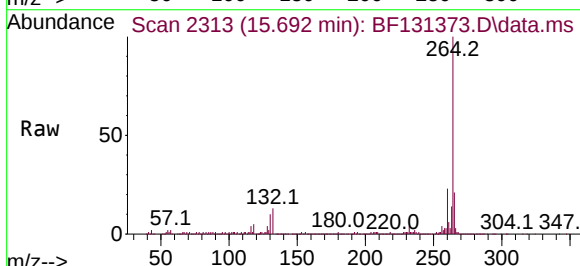
Tgt Ion:264 Resp: 202621

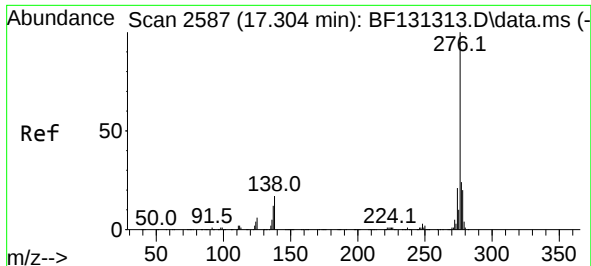
Ion Ratio Lower Upper

264 100

260 23.3 19.0 28.4

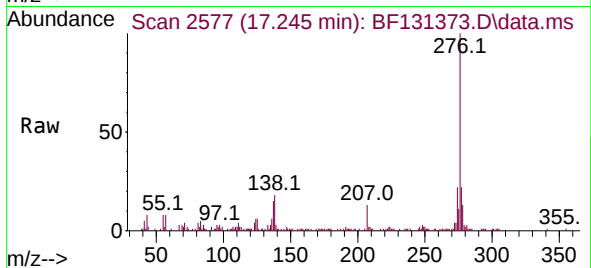
265 20.6 16.4 24.6





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.782 ng
 RT: 17.245 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BF131373.D
 Acq: 23 Nov 2022 21:39

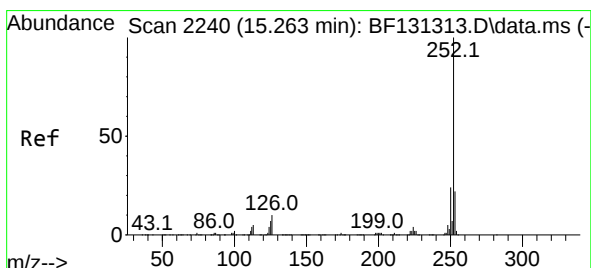
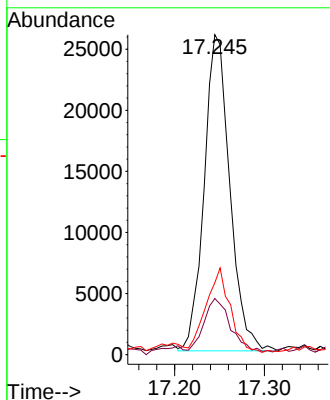
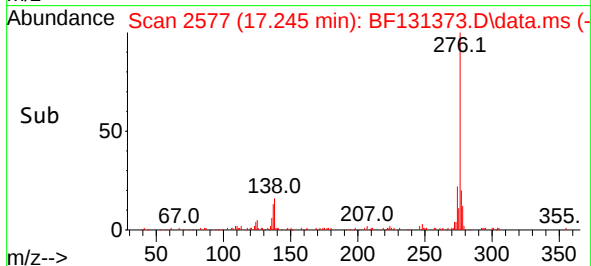
Instrument :
 BNA_F
 ClientSampleId :
 72-11986



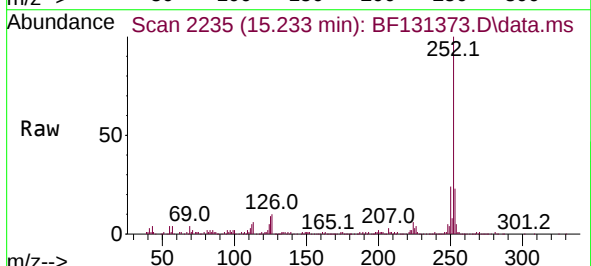
Tgt Ion:276 Resp: 51476
 Ion Ratio Lower Upper
 276 100
 138 18.9 15.8 23.6
 277 24.9 20.3 30.5

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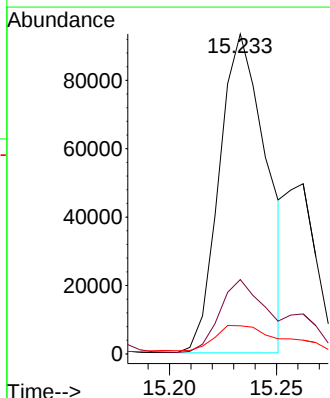
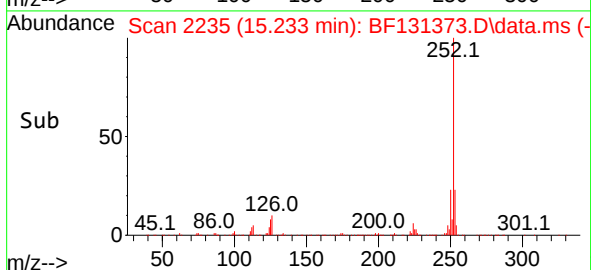
Reviewed By :Christian Giraldo 11/25/2022
 Supervised By :Jagrut Upadhyay 11/25/2022

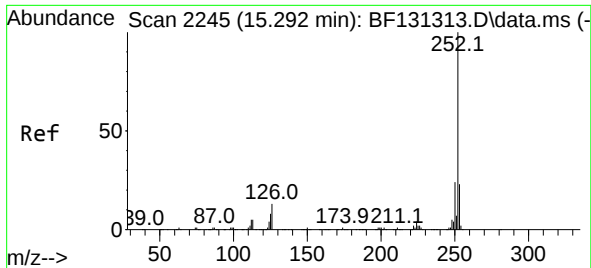


#88
 Benzo(b)fluoranthene
 Concen: 10.612 ng m
 RT: 15.233 min Scan# 2235
 Delta R.T. -0.006 min
 Lab File: BF131373.D
 Acq: 23 Nov 2022 21:39



Tgt Ion:252 Resp: 142840
 Ion Ratio Lower Upper
 252 100
 253 23.2 17.5 26.3
 125 8.8 5.8 8.6#





#89

Benzo(k)fluoranthene

Concen: 3.499 ng m

RT: 15.262 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF131373.D

Acq: 23 Nov 2022 21:39

Instrument :

BNA_F

ClientSampleId :

72-11986

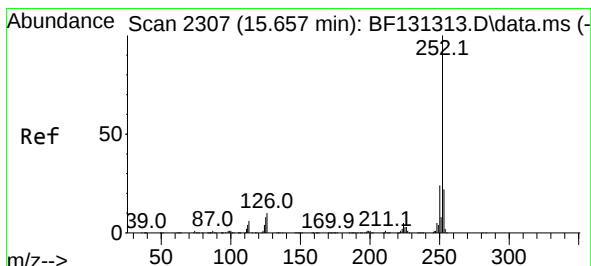
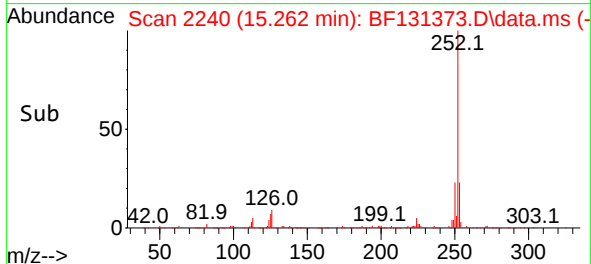
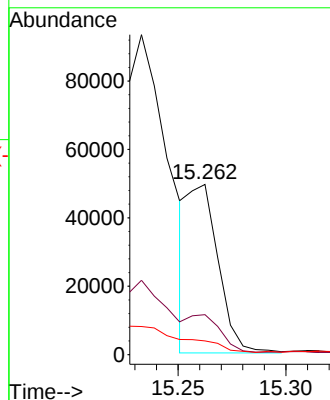
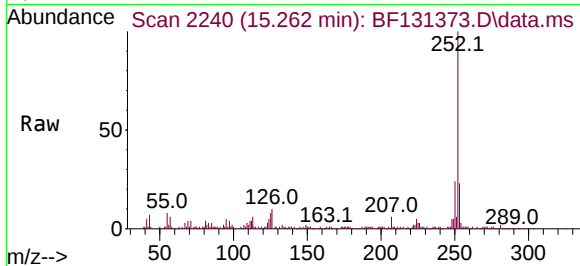
Tgt Ion:252 Resp: 48395
 Ion Ratio Lower Upper
 252 100
 253 23.4 17.9 26.9
 125 8.0 6.6 10.0

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#90

Benzo(a)pyrene

Concen: 8.799 ng

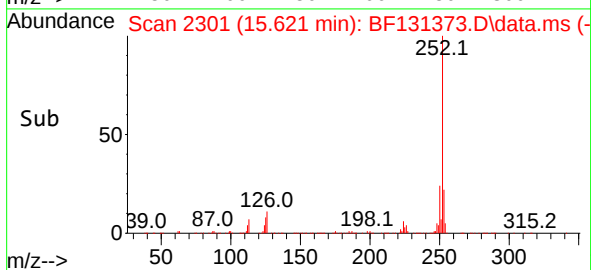
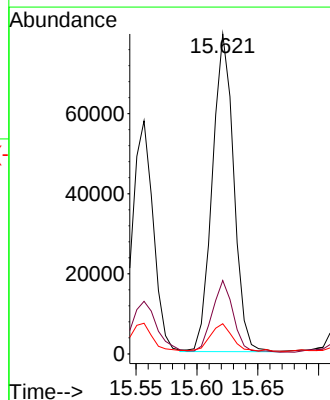
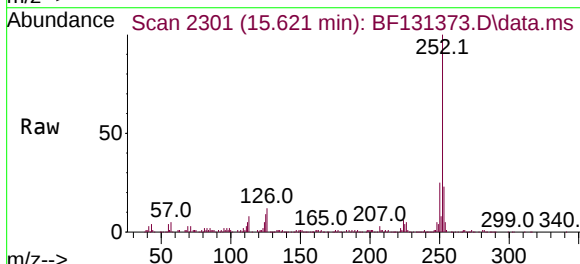
RT: 15.621 min Scan# 2301

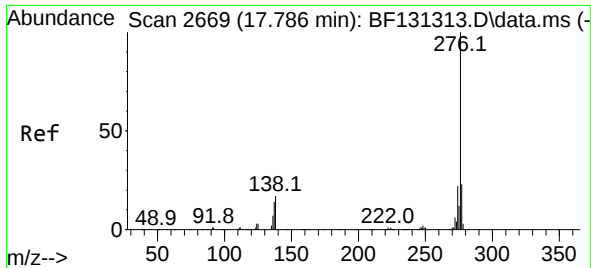
Delta R.T. -0.006 min

Lab File: BF131373.D

Acq: 23 Nov 2022 21:39

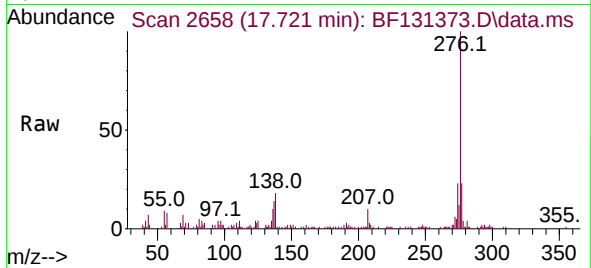
Tgt Ion:252 Resp: 97181
 Ion Ratio Lower Upper
 252 100
 253 22.9 17.5 26.3
 125 9.4 6.1 9.1#





#92
 Benzo(g,h,i)perylene
 Concen: 4.414 ng
 RT: 17.721 min Scan# 20
 Delta R.T. -0.024 min
 Lab File: BF131373.D
 Acq: 23 Nov 2022 21:39

Instrument :
 BNA_F
 ClientSampleId :
 72-11986



Tgt Ion:276 Resp: 49493
 Ion Ratio Lower Upper
 276 100
 277 22.7 18.3 27.5
 138 18.2 13.8 20.6

Manual Integrations
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 Supervised By :Jagrut Upadhyay 11/25/2022

