

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
 Data File : BF134405.D
 Acq On : 21 Jul 2023 17:19
 Operator : CG\JU
 Sample : 03640-21
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP12

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/24/2023
 Supervised By :mohammad ahmed 07/24/2023

Quant Time: Jul 21 17:57:59 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 22:51:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	58494	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	227754	20.000	ng	# 0.00
39) Acenaphthene-d10	9.874	164	112464	20.000	ng	0.00
64) Phenanthrene-d10	11.368	188	209371	20.000	ng	# 0.00
76) Chrysene-d12	14.033	240	126957	20.000	ng	# 0.00
86) Perylene-d12	15.539	264	143132	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	389345	111.342	ng	0.01
7) Phenol-d6	6.481	99	463494	107.779	ng	0.00
23) Nitrobenzene-d5	7.404	82	322183	76.255	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	161801	114.746	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	584233	75.527	ng	-0.01
79) Terphenyl-d14	12.968	244	524265	66.460	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.392	178	58341	5.535	ng	99
75) Fluoranthene	12.592	202	166911	14.648	ng	95
78) Pyrene	12.821	202	145136	12.284	ng	98
81) Benzo(a)anthracene	14.021	228	73445	8.342	ng	96
83) Chrysene	14.057	228	62492	7.328	ng	97
87) Indeno(1,2,3-cd)pyrene	17.086	276	36329	3.658	ng	95
88) Benzo(b)fluoranthene	15.092	252	92790m	11.025	ng	
89) Benzo(k)fluoranthene	15.121	252	33340m	3.891	ng	
90) Benzo(a)pyrene	15.474	252	66525m	8.174	ng	
92) Benzo(g,h,i)perylene	17.550	276	31669	3.786	ng	96

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

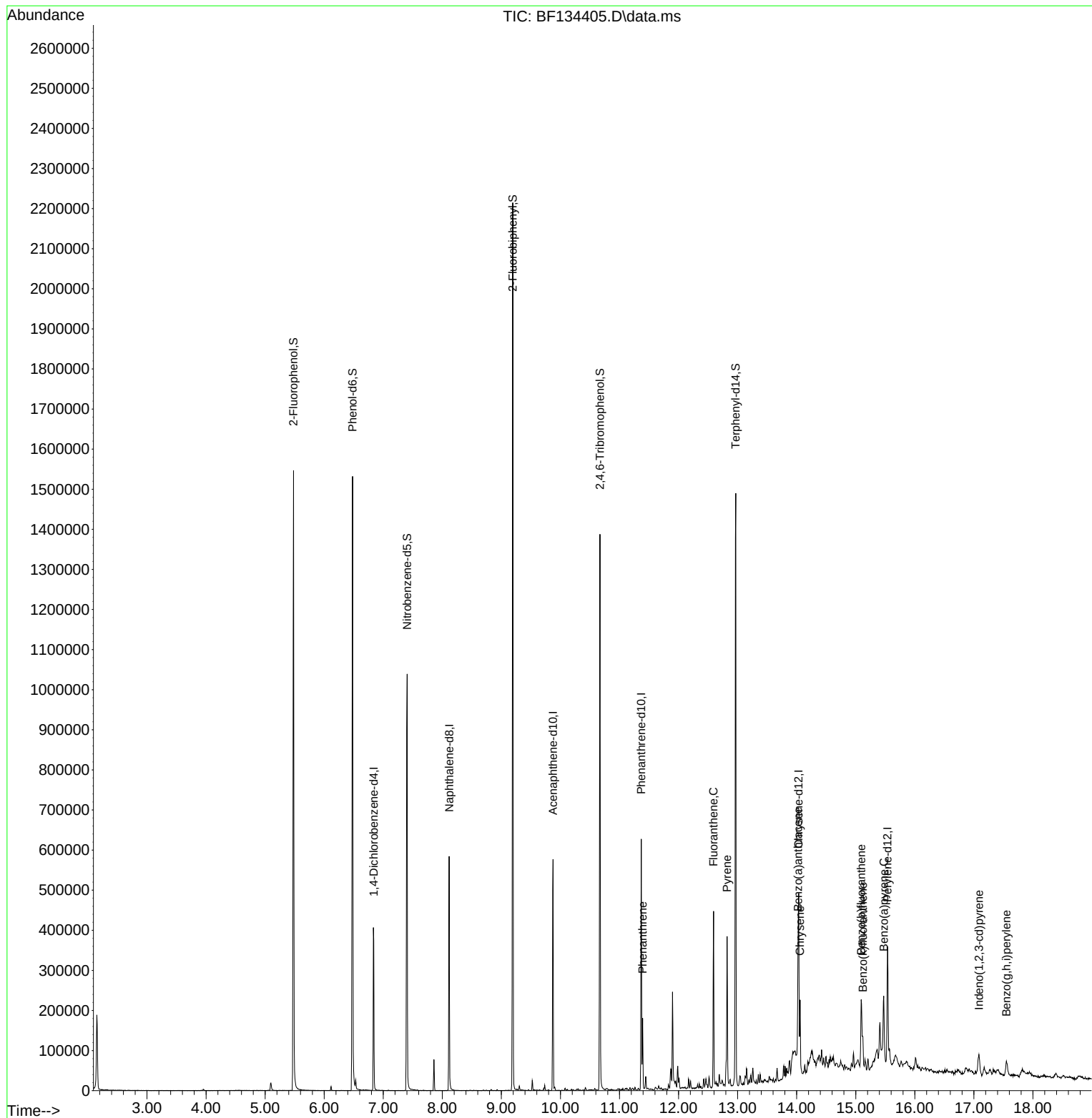
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
Data File : BF134405.D
Acq On : 21 Jul 2023 17:19
Operator : CG\JU
Sample : 03640-21
Misc :
ALS Vial : 15 Sample Multiplier: 1

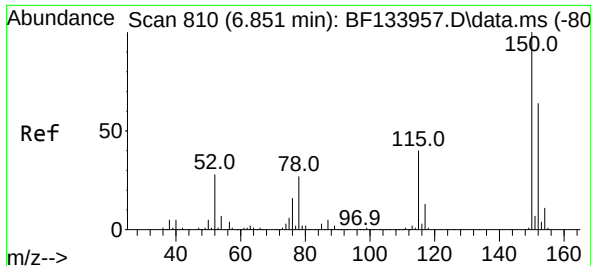
Instrument :
BNA_F
ClientSampleId :
TP12

Quant Time: Jul 21 17:57:59 2023
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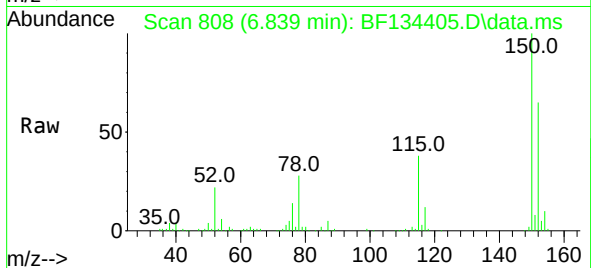
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF134405.D
Acq: 21 Jul 2023 17:19

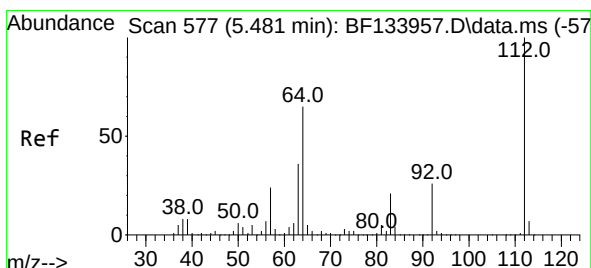
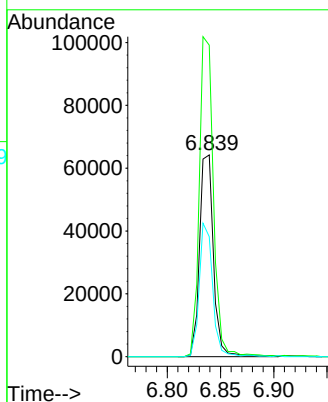
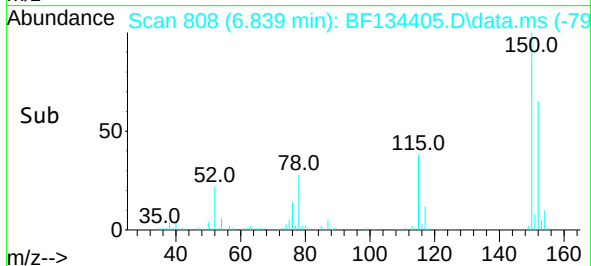
Instrument :
BNA_F
ClientSampleId :
TP12



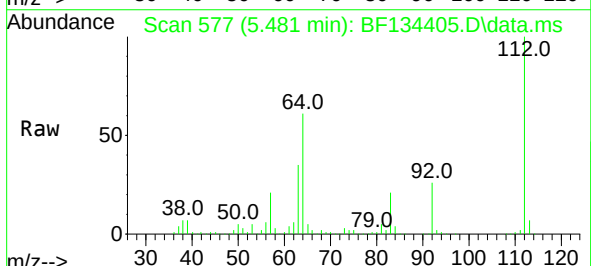
Tgt Ion:152 Resp: 58494
Ion Ratio Lower Upper
152 100
150 154.4 124.5 186.7
115 59.4 50.2 75.2

Manual Integrations
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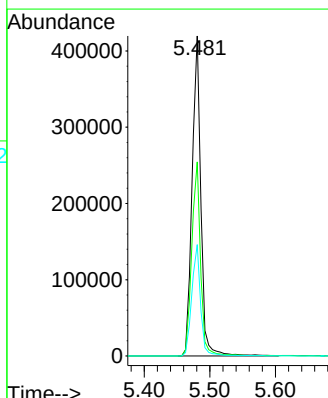
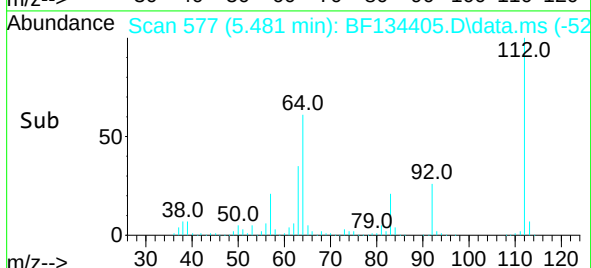
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

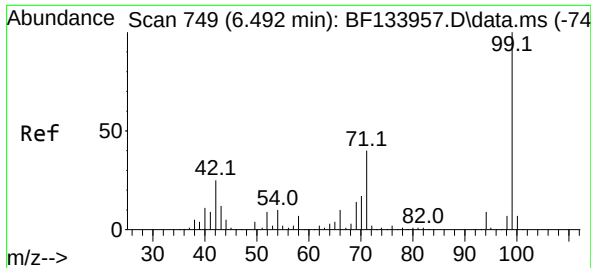


#5
2-Fluorophenol
Concen: 111.342 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.012 min
Lab File: BF134405.D
Acq: 21 Jul 2023 17:19



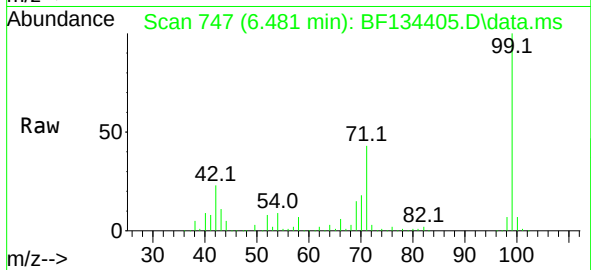
Tgt Ion:112 Resp: 389345
Ion Ratio Lower Upper
112 100
64 60.7 52.1 78.1
63 34.8 28.6 42.8





#7
Phenol-d6
Concen: 107.779 ng
RT: 6.481 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF134405.D
Acq: 21 Jul 2023 17:19

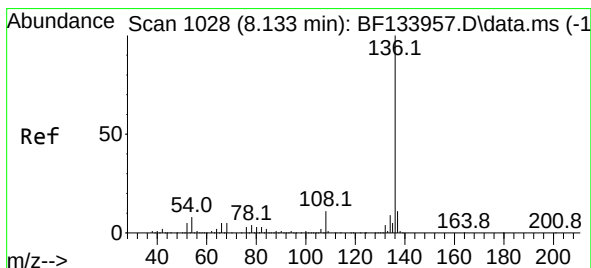
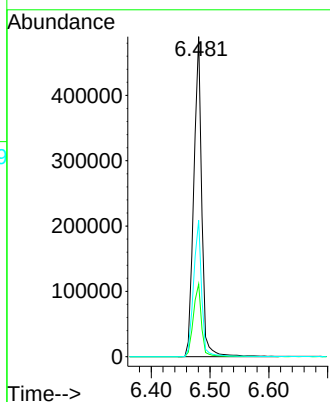
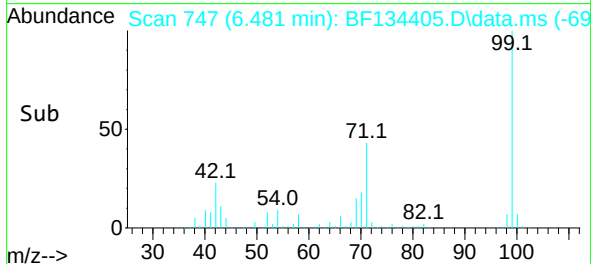
Instrument :
BNA_F
ClientSampleId :
TP12



Tgt Ion: 99 Resp: 463494
Ion Ratio Lower Upper
99 100
42 22.7 19.8 29.6
71 42.6 31.9 47.9

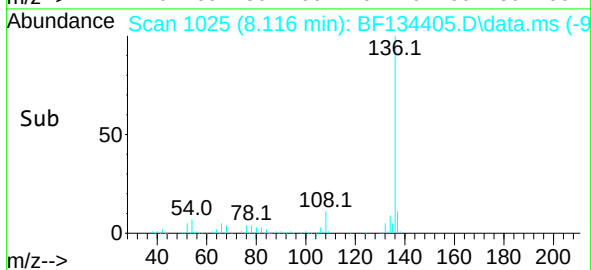
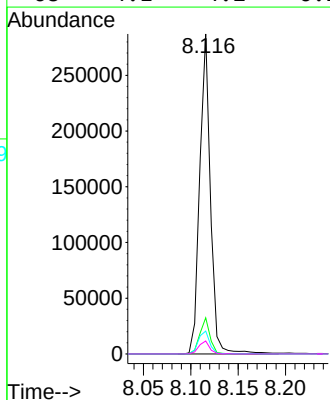
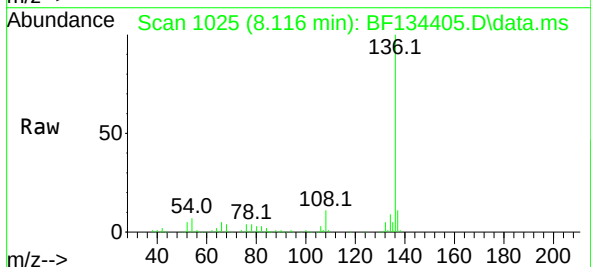
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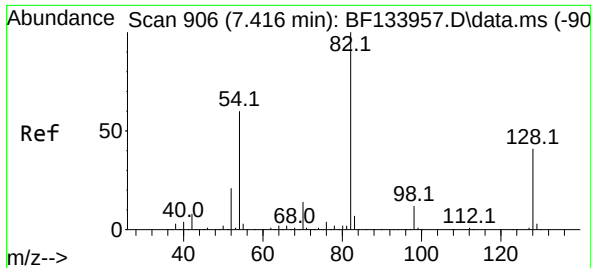
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134405.D
Acq: 21 Jul 2023 17:19

Tgt Ion:136 Resp: 227754
Ion Ratio Lower Upper
136 100
137 11.3 8.6 12.8
54 7.2 6.5 9.7
68 4.1 4.2 6.2#





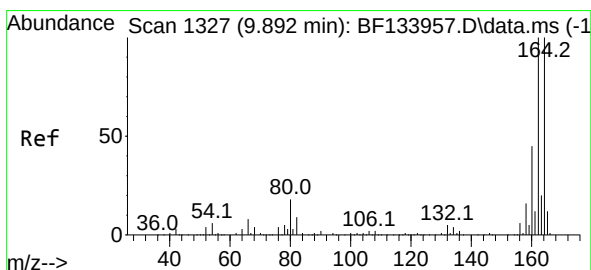
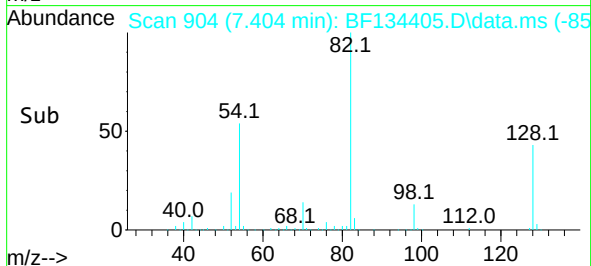
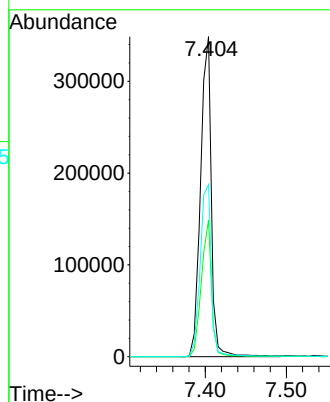
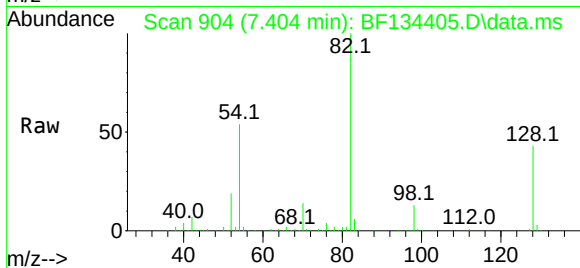
#23
Nitrobenzene-d5
Concen: 76.255 ng
RT: 7.404 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF134405.D
Acq: 21 Jul 2023 17:19

Instrument :
BNA_F
ClientSampleId :
TP12

Tgt Ion: 82 Resp: 32218
Ion Ratio Lower Upper
82 100
128 42.6 32.5 48.7
54 53.8 48.2 72.2

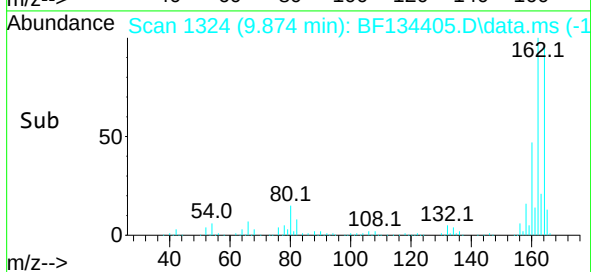
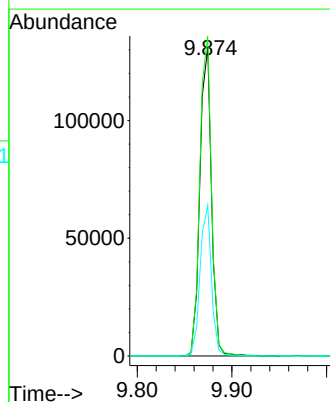
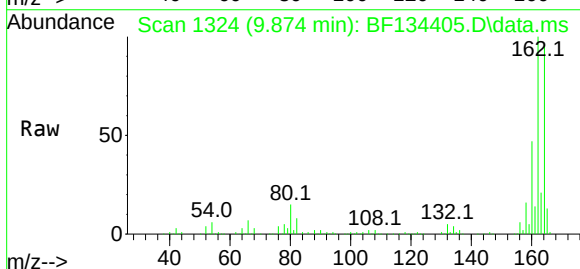
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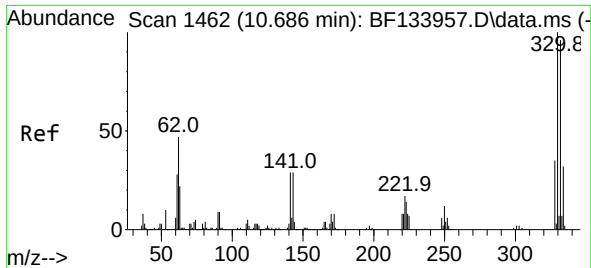
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.874 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF134405.D
Acq: 21 Jul 2023 17:19

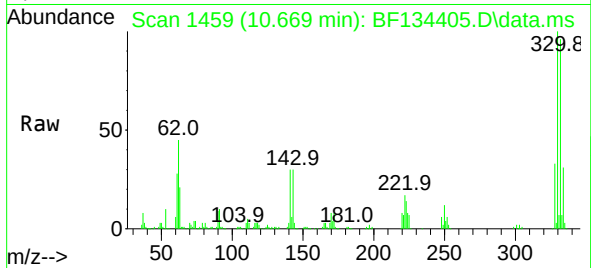
Tgt Ion:164 Resp: 112464
Ion Ratio Lower Upper
164 100
162 103.7 80.0 120.0
160 48.8 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 114.746 ng
RT: 10.669 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF134405.D
Acq: 21 Jul 2023 17:19

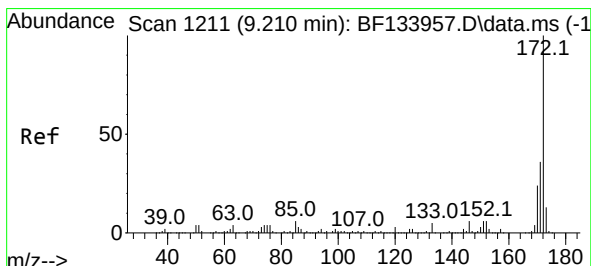
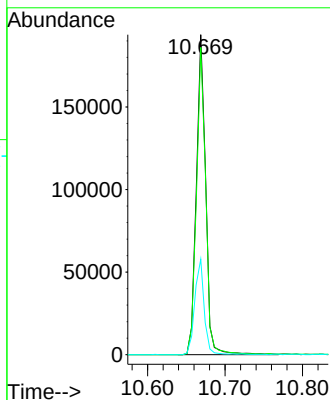
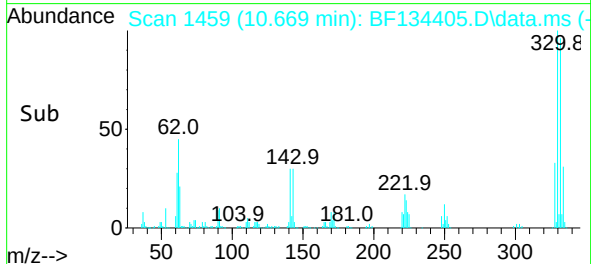
Instrument :
BNA_F
ClientSampleId :
TP12



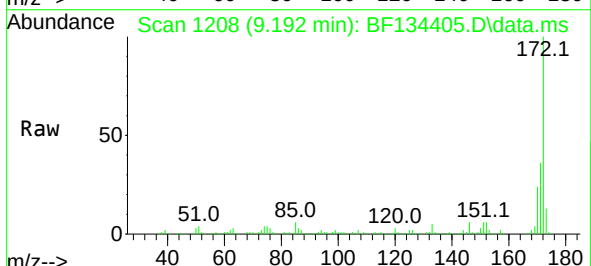
Tgt Ion:330 Resp: 16180
Ion Ratio Lower Upper
330 100
332 95.9 77.0 115.6
141 30.6 26.3 39.5

Manual Integrations
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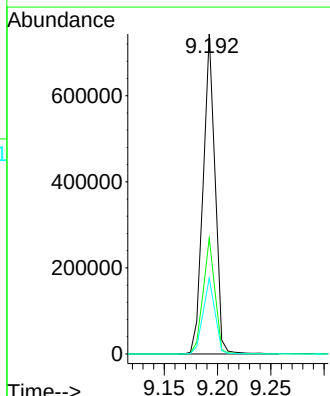
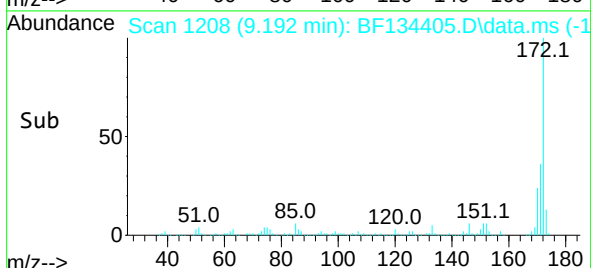
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

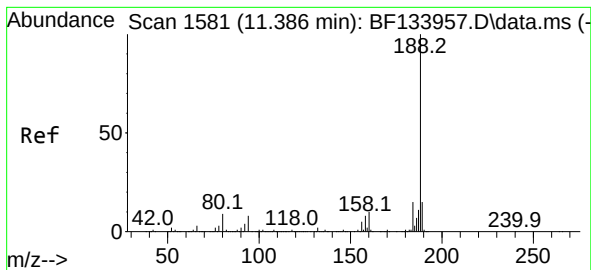


#45
2-Fluorobiphenyl
Concen: 75.527 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF134405.D
Acq: 21 Jul 2023 17:19



Tgt Ion:172 Resp: 584233
Ion Ratio Lower Upper
172 100
171 36.3 28.6 43.0
170 23.8 19.4 29.0





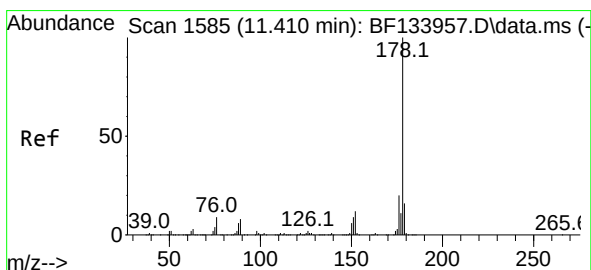
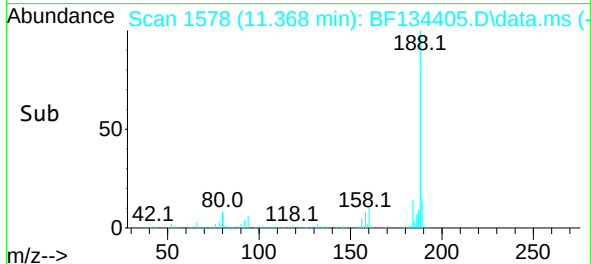
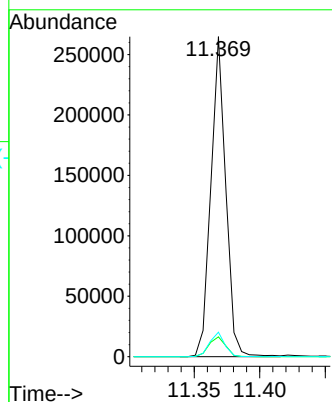
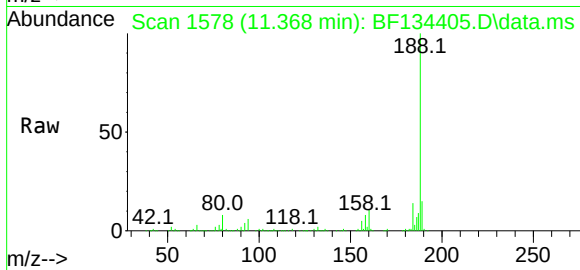
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.368 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134405.D
Acq: 21 Jul 2023 17:19

Instrument :
BNA_F
ClientSampleId :
TP12

Tgt Ion:188 Resp: 20937
Ion Ratio Lower Upper
188 100
94 6.2 6.4 9.6
80 7.7 7.3 10.9

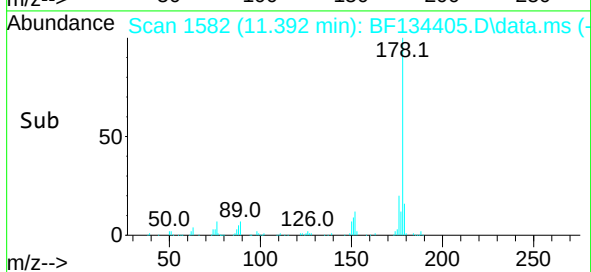
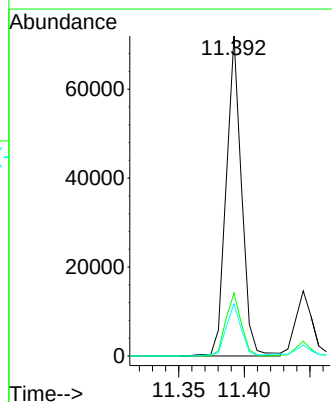
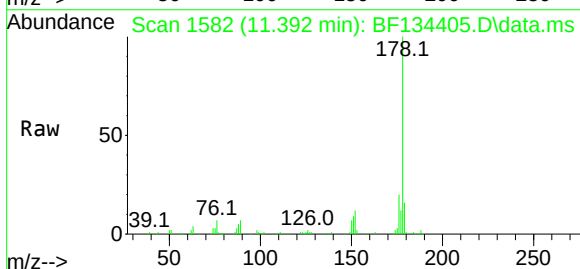
Manual Integrations
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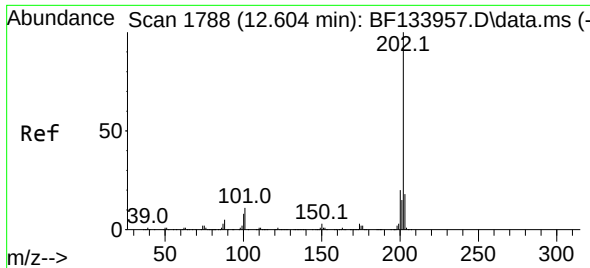
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#71
Phenanthrene
Concen: 5.535 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF134405.D
Acq: 21 Jul 2023 17:19

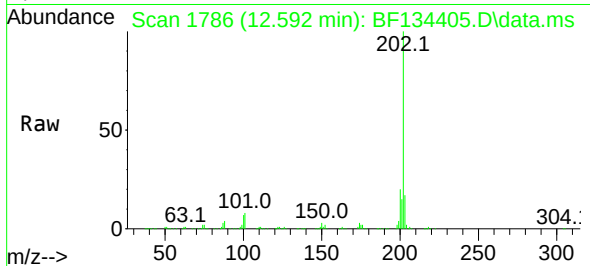
Tgt Ion:178 Resp: 58341
Ion Ratio Lower Upper
178 100
176 19.6 16.0 24.0
179 16.3 12.4 18.6





#75
Fluoranthene
Concen: 14.648 ng
RT: 12.592 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134405.D
Acq: 21 Jul 2023 17:19

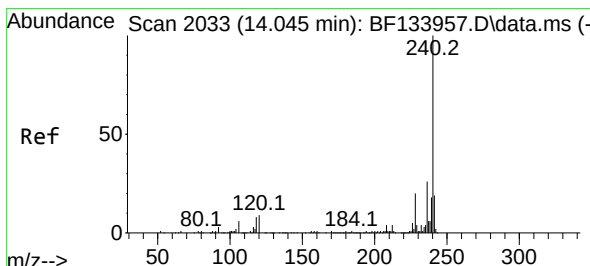
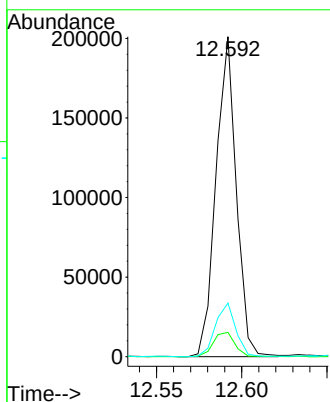
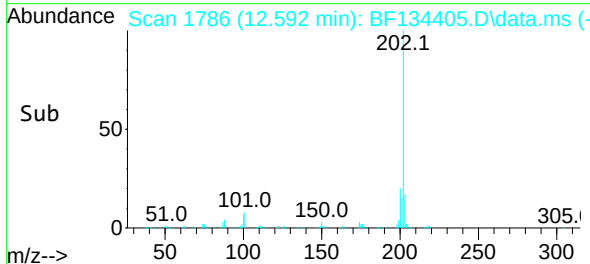
Instrument :
BNA_F
ClientSampleId :
TP12



Tgt Ion:202 Resp: 16691
Ion Ratio Lower Upper
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101 7.6 0.0 31.0
203 16.8 0.0 37.6

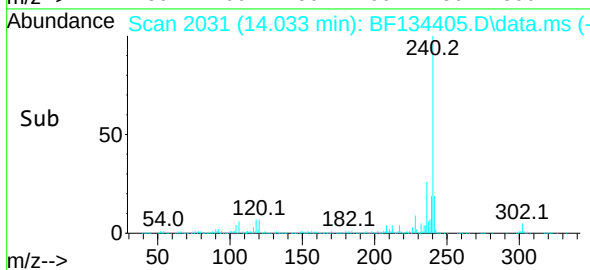
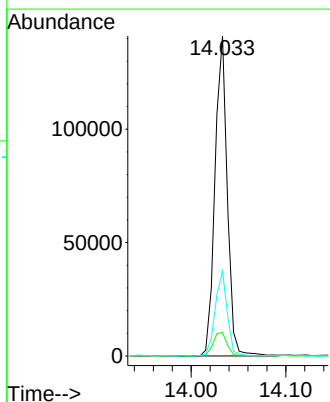
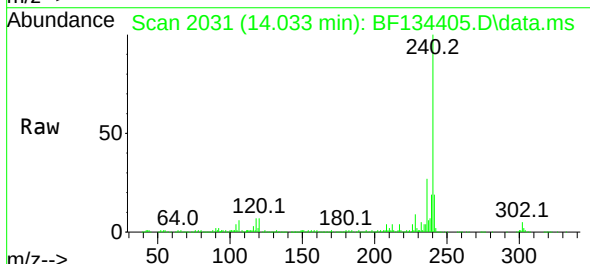
Manual Integrations
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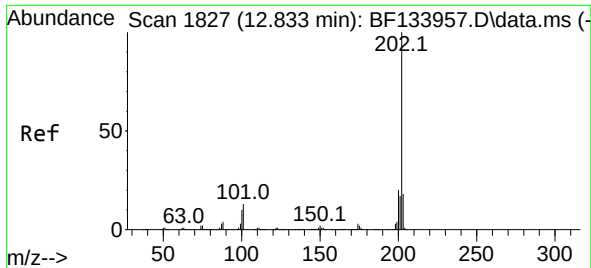
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134405.D
Acq: 21 Jul 2023 17:19

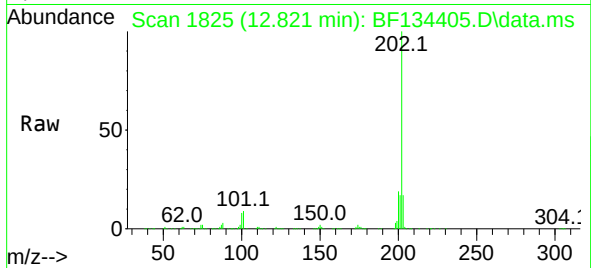
Tgt Ion:240 Resp: 126957
Ion Ratio Lower Upper
240 100
120 7.3 7.4 11.0#
236 26.5 21.0 31.6





#78
Pyrene
Concen: 12.284 ng
RT: 12.821 min Scan# 1825
Delta R.T. -0.012 min
Lab File: BF134405.D
Acq: 21 Jul 2023 17:19

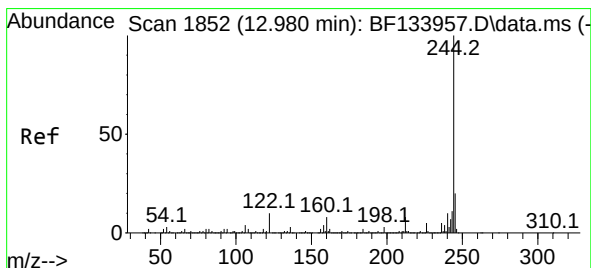
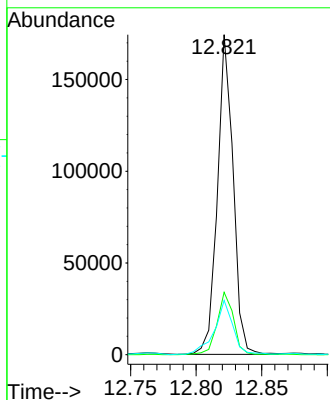
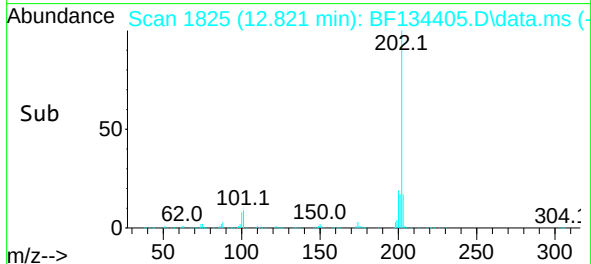
Instrument :
BNA_F
ClientSampleId :
TP12



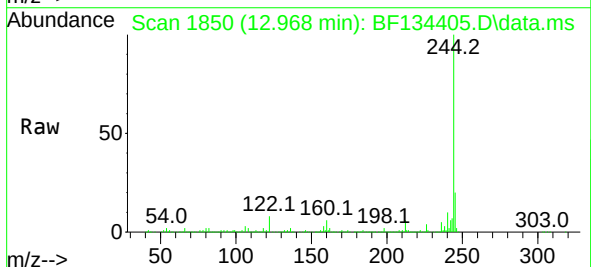
Tgt Ion:202 Resp: 145130
Ion Ratio Lower Upper
202 100
200 19.5 16.1 24.1
203 16.9 14.3 21.5

Manual Integrations
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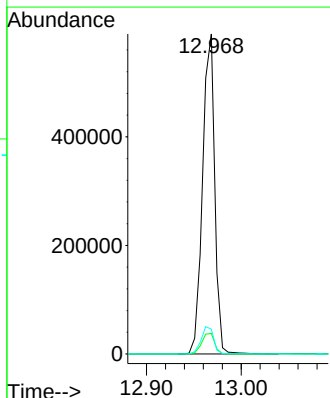
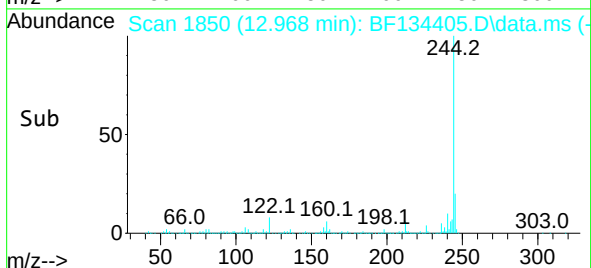
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

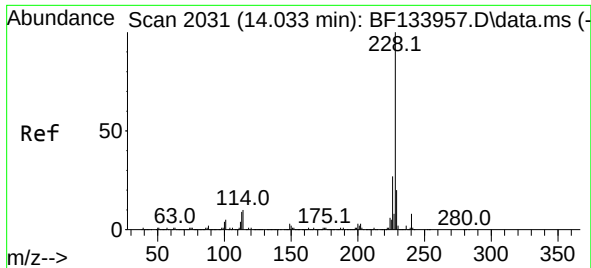


#79
Terphenyl-d14
Concen: 66.460 ng
RT: 12.968 min Scan# 1850
Delta R.T. -0.006 min
Lab File: BF134405.D
Acq: 21 Jul 2023 17:19



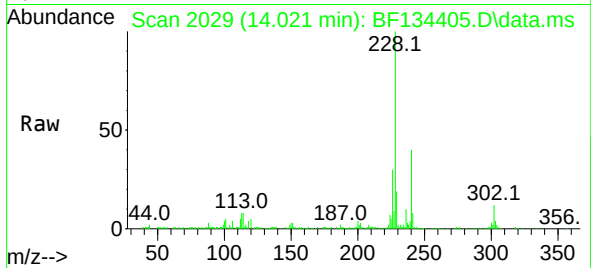
Tgt Ion:244 Resp: 524265
Ion Ratio Lower Upper
244 100
212 6.4 6.0 9.0
122 7.7 8.3 12.5





#81
Benzo(a)anthracene
Concen: 8.342 ng
RT: 14.021 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134405.D
Acq: 21 Jul 2023 17:19

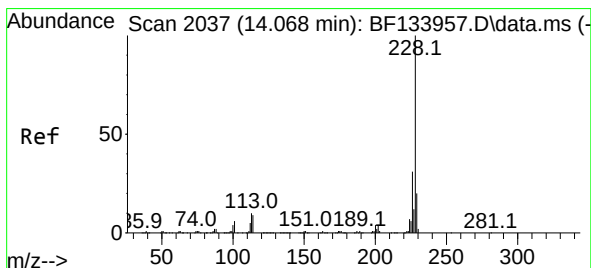
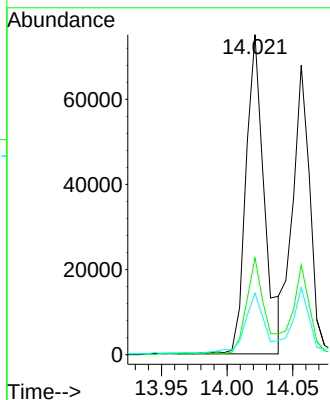
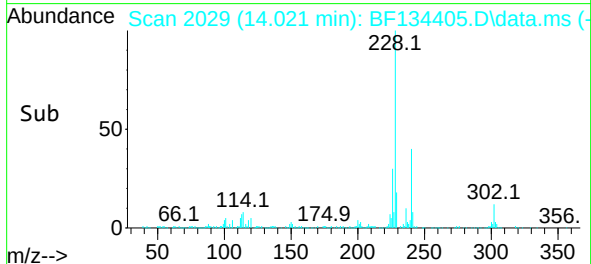
Instrument :
BNA_F
ClientSampleId :
TP12



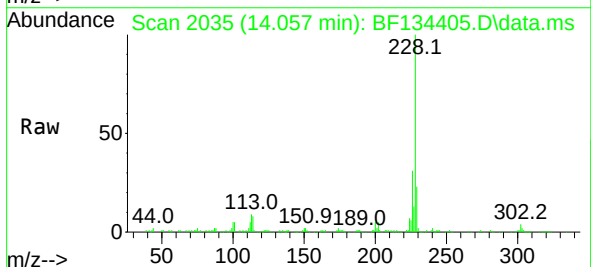
Tgt Ion:228 Resp: 73445
Ion Ratio Lower Upper
228 100
226 30.2 22.0 33.0
229 19.2 16.3 24.5

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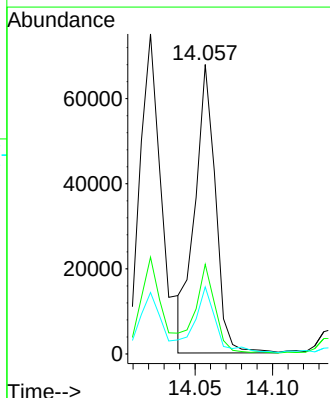
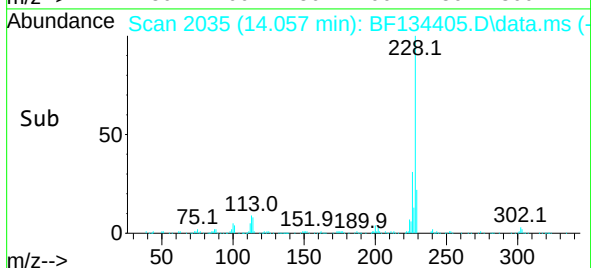
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

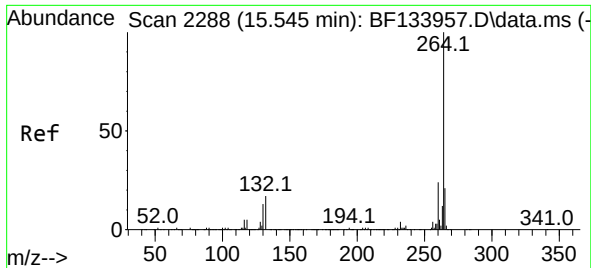


#83
Chrysene
Concen: 7.328 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF134405.D
Acq: 21 Jul 2023 17:19



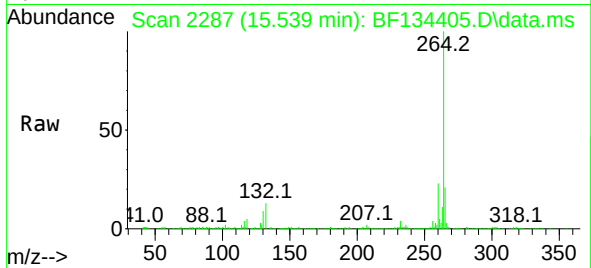
Tgt Ion:228 Resp: 62492
Ion Ratio Lower Upper
228 100
226 31.0 24.4 36.6
229 23.2 16.1 24.1





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF134405.D
Acq: 21 Jul 2023 17:19

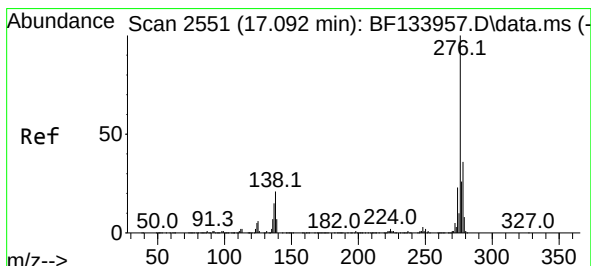
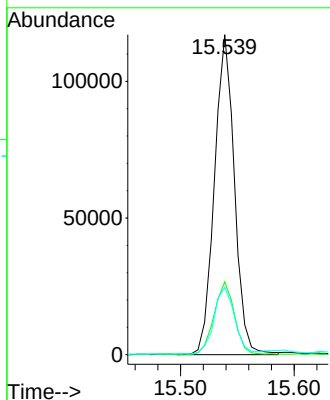
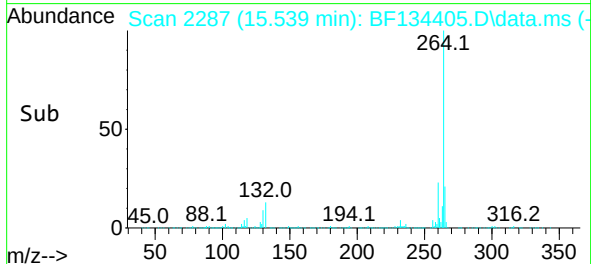
Instrument :
BNA_F
ClientSampleId :
TP12



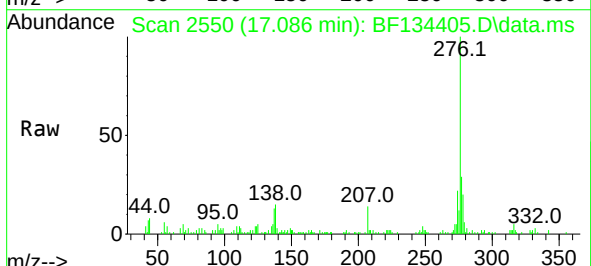
Tgt Ion:264 Resp: 14313
Ion Ratio Lower Upper
264 100
260 22.8 19.5 29.3
265 21.0 16.6 25.0

Manual Integrations
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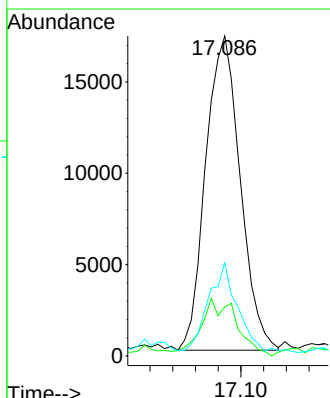
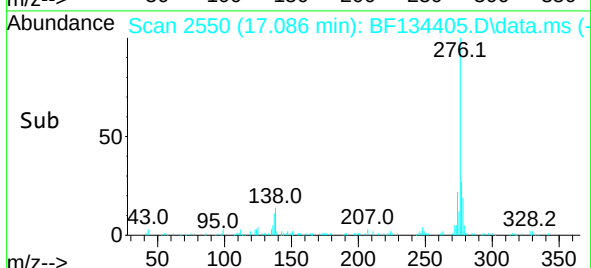
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

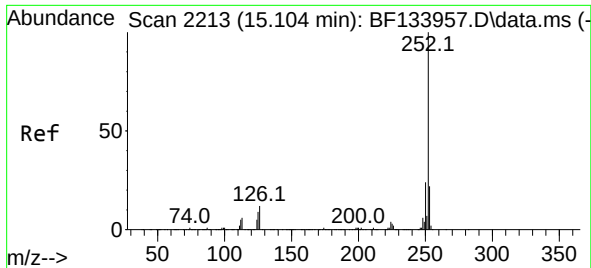


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.658 ng
RT: 17.086 min Scan# 2550
Delta R.T. -0.012 min
Lab File: BF134405.D
Acq: 21 Jul 2023 17:19



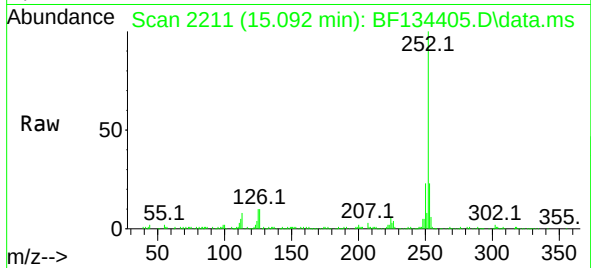
Tgt Ion:276 Resp: 36329
Ion Ratio Lower Upper
276 100
138 19.0 18.7 28.1
277 24.6 19.9 29.9





#88
Benzo(b)fluoranthene
Concen: 11.025 ng m
RT: 15.092 min Scan# 2110
Delta R.T. -0.012 min
Lab File: BF134405.D
Acq: 21 Jul 2023 17:19

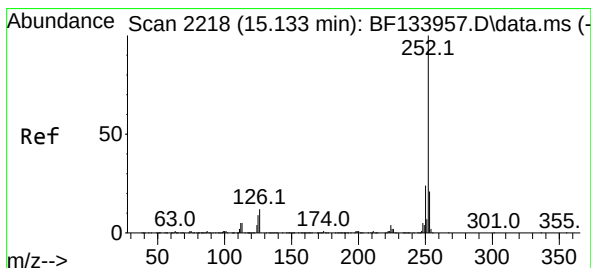
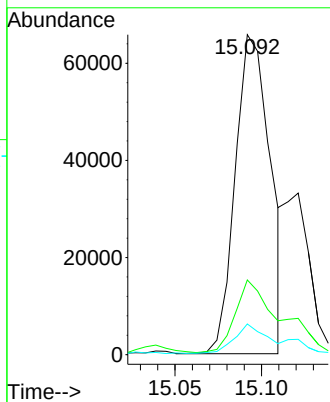
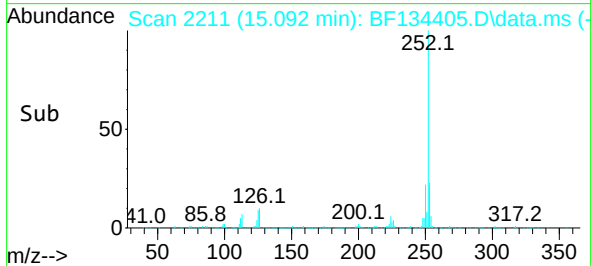
Instrument :
BNA_F
ClientSampleId :
TP12



Tgt Ion:252 Resp: 92790
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 9.6 7.1 10.7

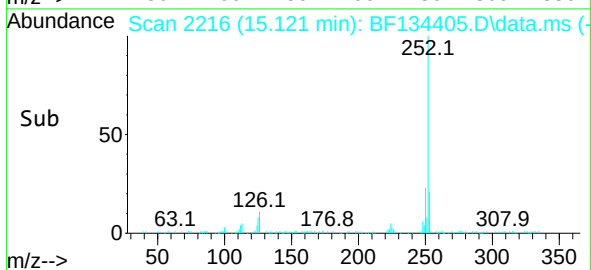
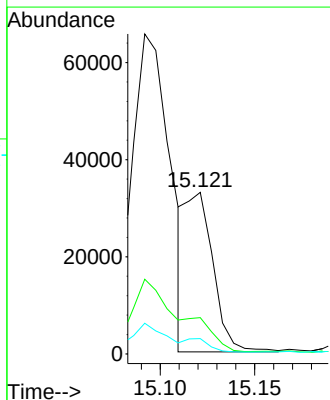
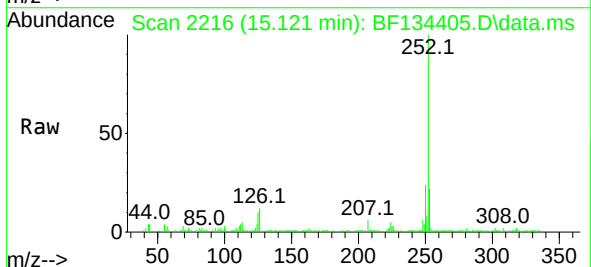
Manual Integrations
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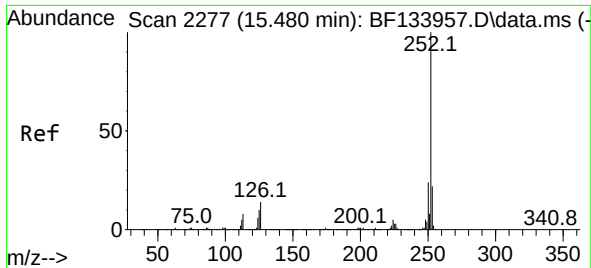
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#89
Benzo(k)fluoranthene
Concen: 3.891 ng m
RT: 15.121 min Scan# 2216
Delta R.T. -0.012 min
Lab File: BF134405.D
Acq: 21 Jul 2023 17:19

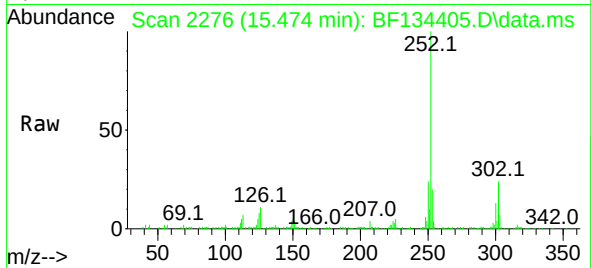
Tgt Ion:252 Resp: 33340
Ion Ratio Lower Upper
252 100
253 22.5 16.9 25.3
125 9.5 7.4 11.2





#90
Benzo(a)pyrene
Concen: 8.174 ng m
RT: 15.474 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF134405.D
Acq: 21 Jul 2023 17:19

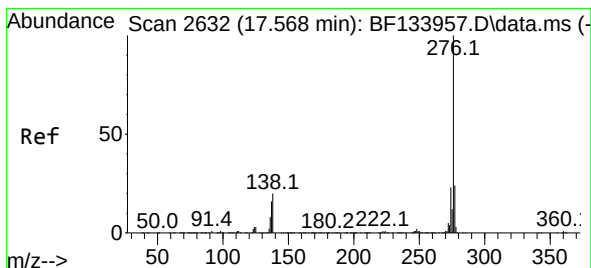
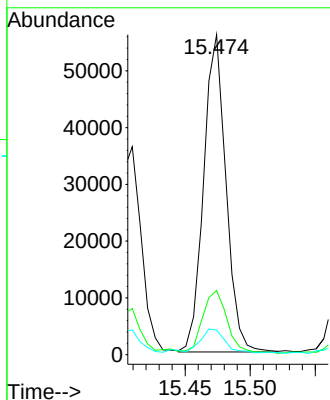
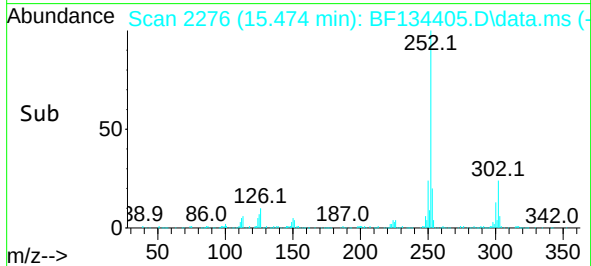
Instrument :
BNA_F
ClientSampleId :
TP12



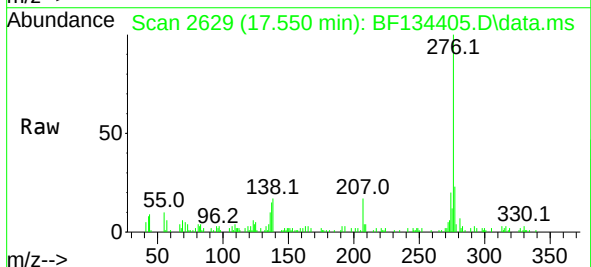
Tgt Ion:252 Resp: 6652
Ion Ratio Lower Upper
252 100
253 20.0 17.4 26.0
125 7.6 8.4 12.6

Manual Integrations
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Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#92
Benzo(g,h,i)perylene
Concen: 3.786 ng
RT: 17.550 min Scan# 2629
Delta R.T. -0.018 min
Lab File: BF134405.D
Acq: 21 Jul 2023 17:19



Tgt Ion:276 Resp: 31669
Ion Ratio Lower Upper
276 100
277 23.3 19.0 28.6
138 16.5 16.2 24.2

