

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110920\
 Data File : BP003879.D
 Acq On : 09 Nov 2020 21:21
 Operator : CG/JU
 Sample : L4656-08DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SR-L14-L13-SOUTHDL

Manual Integrations
 APPROVED

mohammad
 11/10/2020 12:00:43 PM

Quant Time: Nov 10 00:24:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 06 11:33:14 2020
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.304	152	216563	20.00	ng	0.00
21) Naphthalene-d8	11.139	136	779430	20.00	ng	# 0.00
39) Acenaphthene-d10	14.921	164	421626	20.00	ng	0.00
64) Phenanthrene-d10	17.651	188	759390	20.00	ng	0.00
76) Chrysene-d12	21.680	240	636933	20.00	ng	0.01
86) Perylene-d12	24.162	264	708140	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.828	112	269501	20.77	ng	0.00
7) Phenol-d6	7.469	99	337001	18.09	ng	0.00
23) Nitrobenzene-d5	9.469	82	201536	12.66	ng	0.00
42) 2,4,6-Tribromophenol	16.404	330	93734	17.77	ng	0.00
45) 2-Fluorobiphenyl	13.545	172	424235	14.07	ng	0.00
79) Terphenyl-d14	20.139	244	402256	12.20	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.986	154	73539	2.80	ng	97
58) Fluorene	15.957	166	110915	3.55	ng	97
71) Phenanthrene	17.692	178	1388471	32.58	ng	99
72) Anthracene	17.780	178	428704	10.42	ng	99
73) Carbazole	18.033	167	83435	2.18	ng	99
75) Fluoranthene	19.627	202	1838442	37.38	ng	99
78) Pyrene	19.974	202	1596146	36.93	ng	98
81) Benzo(a)anthracene	21.662	228	838275	19.96	ng	97
83) Chrysene	21.715	228	742298	18.39	ng	96
87) Indeno(1,2,3-cd)pyrene	26.721	276	450522	8.82	ng	# 93
88) Benzo(b)fluoranthene	23.403	252	931310m	20.10	ng	
89) Benzo(k)fluoranthene	23.445	252	275291m	6.02	ng	
90) Benzo(a)pyrene	24.050	252	715471	16.68	ng	97
91) Dibenzo(a,h)anthracene	26.709	278	117062	2.75	ng	# 94
92) Benzo(g,h,i)perylene	27.515	276	441138	10.70	ng	97

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

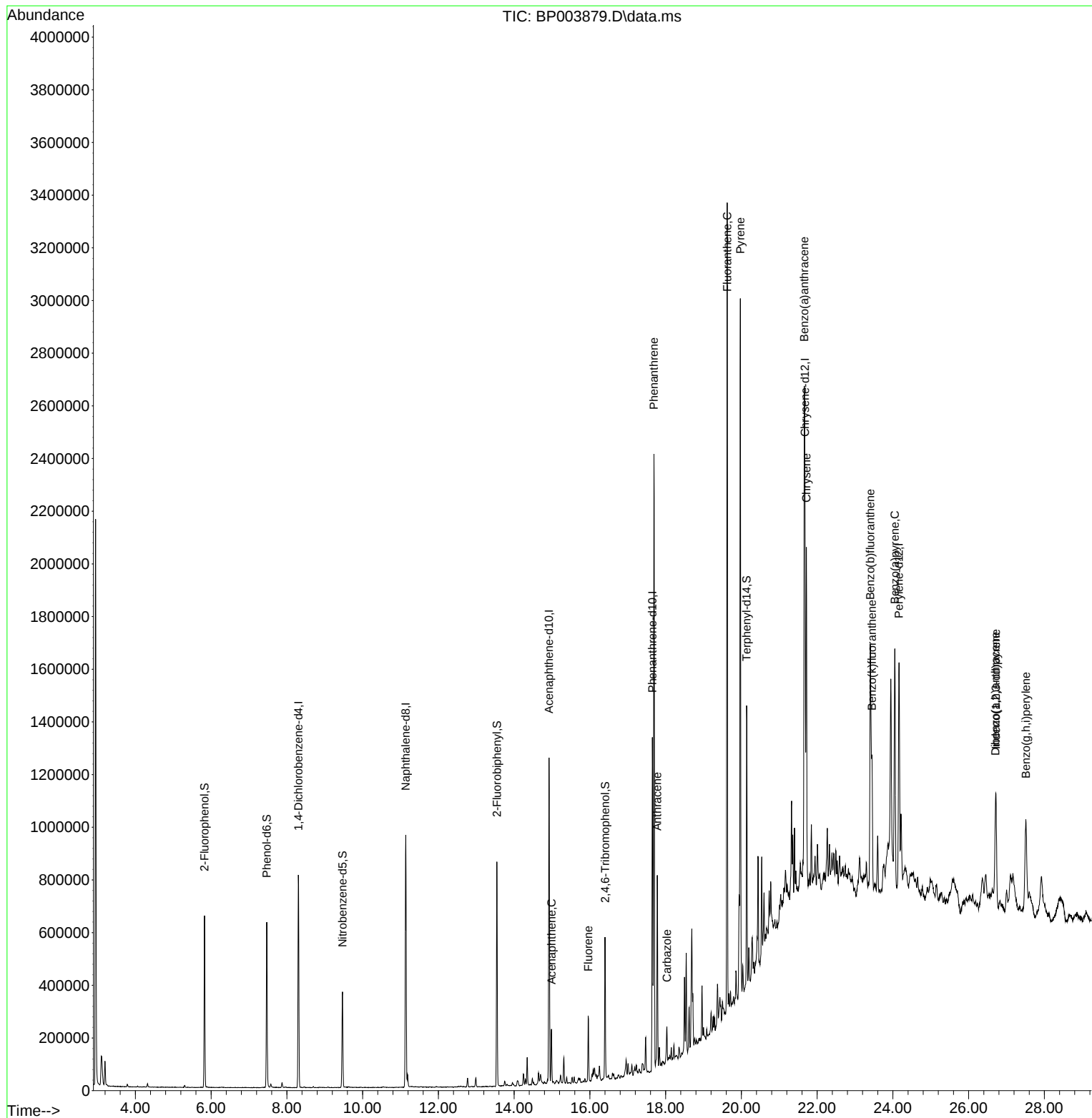
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110920\
Data File : BP003879.D
Acq On : 09 Nov 2020 21:21
Operator : CG/JU
Sample : L4656-08DL 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

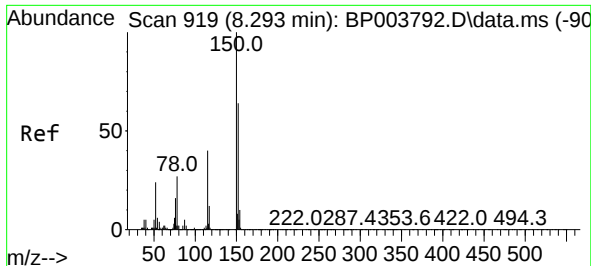
Instrument :
BNA_P
ClientSampleId :
SR-L14-L13-SOUTHDL

Manual Integrations
APPROVED

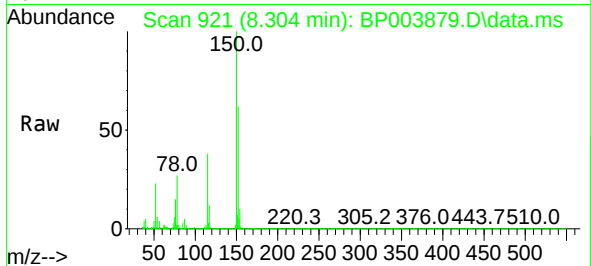
mohammad
11/10/2020 12:00:43 PM

Quant Time: Nov 10 00:24:36 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 06 11:33:14 2020
Response via : Initial Calibration

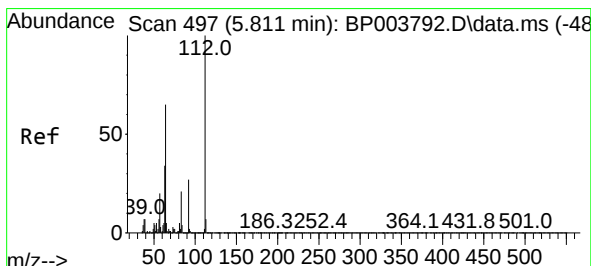
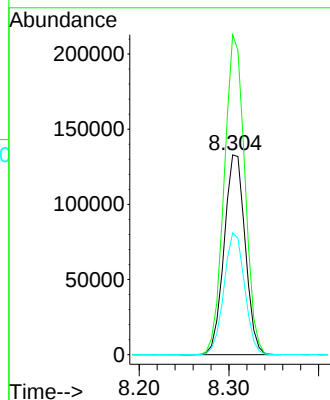
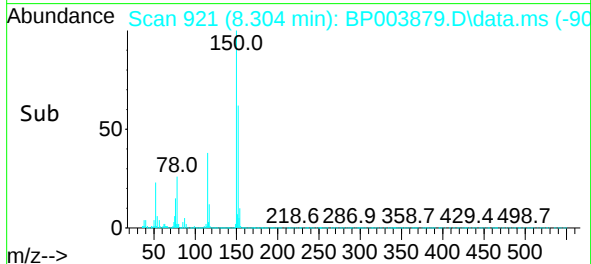




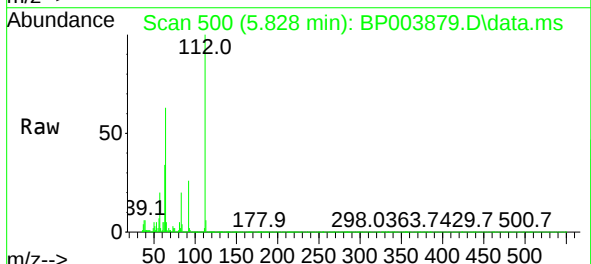
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.304 min Scan# 921
Delta R.T. -0.001 min
Lab File: BP003879.D
Acq: 09 Nov 2020 21:21



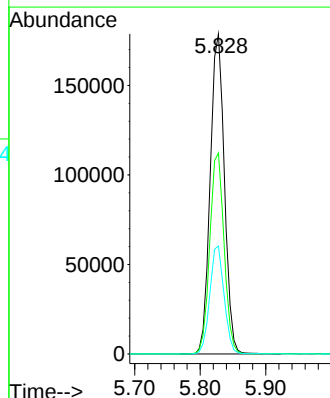
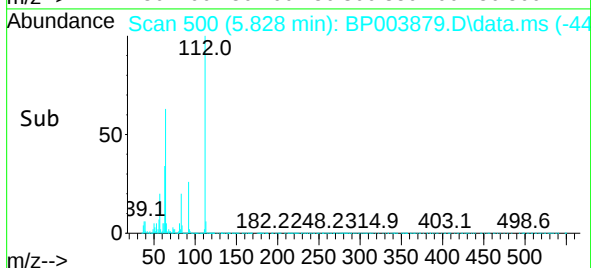
Tgt Ion:152 Resp: 216563
Ion Ratio Lower Upper
152 100
150 160.1 123.8 185.6
115 60.9 43.8 65.6



#5
2-Fluorophenol
Concen: 20.77 ng
RT: 5.828 min Scan# 500
Delta R.T. 0.005 min
Lab File: BP003879.D
Acq: 09 Nov 2020 21:21



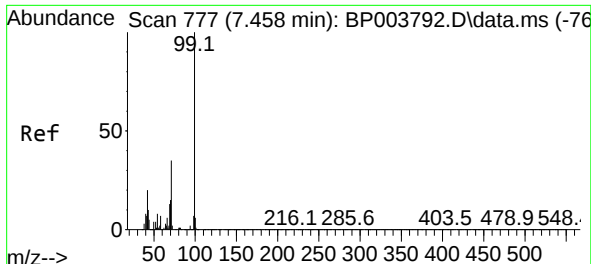
Tgt Ion:112 Resp: 269501
Ion Ratio Lower Upper
112 100
64 62.9 32.8 49.2#
63 33.8 17.0 25.4#



Instrument :
BNA_P
ClientSampleId :
SR-L14-L13-SOUTHDL

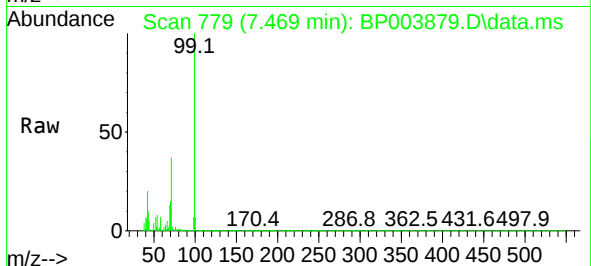
Manual Integrations
APPROVED

mohammad
11/10/2020 12:00:43 PM



#7
Phenol-d6
Concen: 18.09 ng
RT: 7.469 min Scan# 779
Delta R.T. -0.000 min
Lab File: BP003879.D
Acq: 09 Nov 2020 21:21

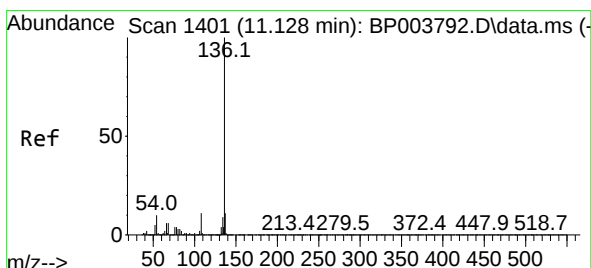
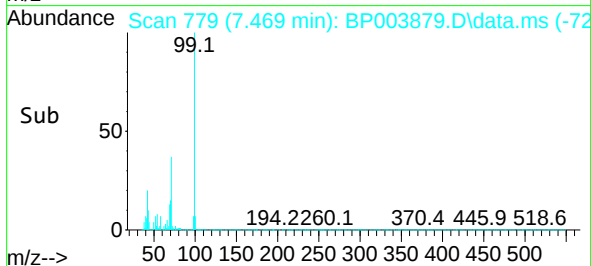
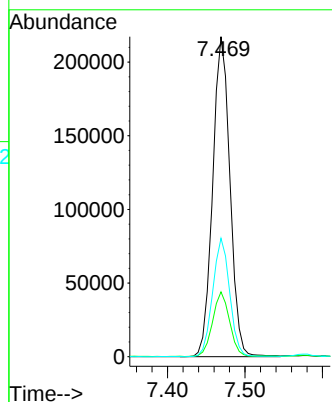
Instrument :
BNA_P
ClientSampleId :
SR-L14-L13-SOUTHDL



Tgt Ion: 99 Resp: 337001
Ion Ratio Lower Upper
99 100
42 20.2 8.6 13.0#
71 37.0 23.4 35.2#

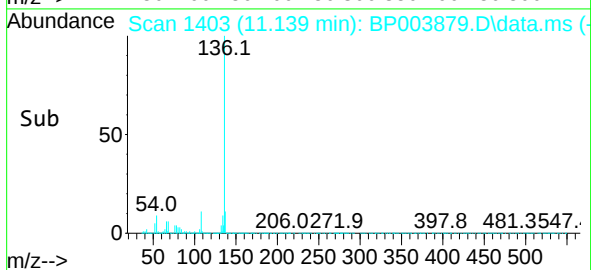
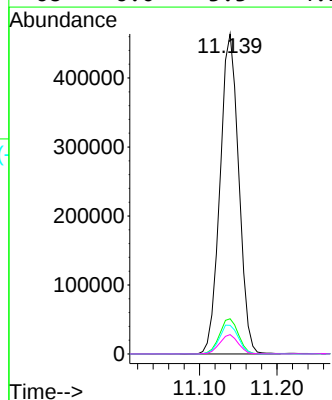
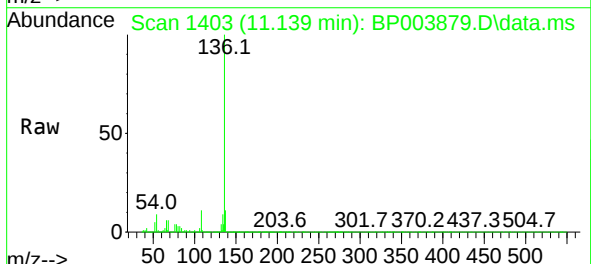
Manual Integrations
APPROVED

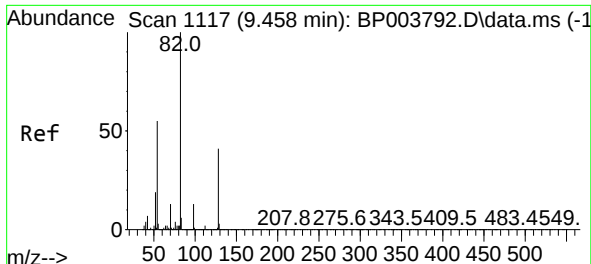
mohammad
11/10/2020 12:00:43 PM



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.139 min Scan# 1403
Delta R.T. 0.005 min
Lab File: BP003879.D
Acq: 09 Nov 2020 21:21

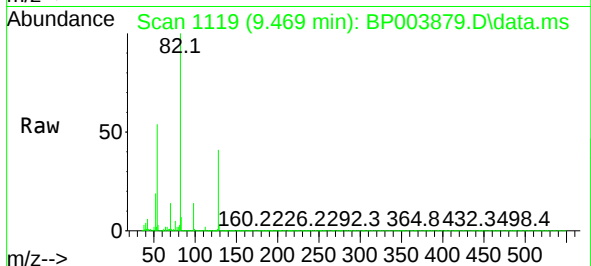
Tgt Ion: 136 Resp: 779430
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.0 3.6 5.4#
68 6.0 3.3 4.9#





#23
Nitrobenzene-d5
Concen: 12.66 ng
RT: 9.469 min Scan# 1119
Delta R.T. -0.000 min
Lab File: BP003879.D
Acq: 09 Nov 2020 21:21

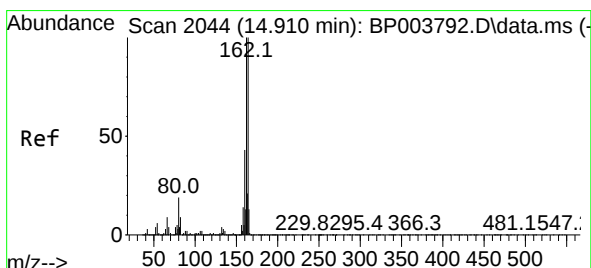
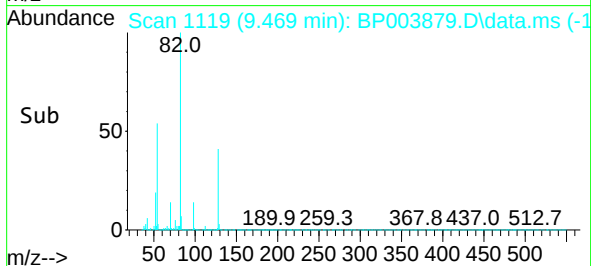
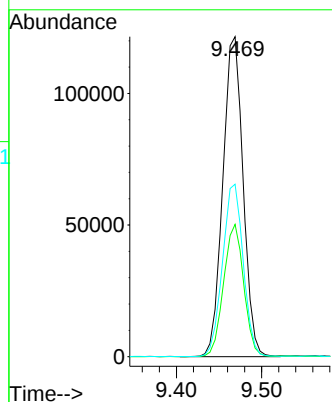
Instrument :
BNA_P
ClientSampleId :
SR-L14-L13-SOUTHDL



Tgt Ion: 82 Resp: 201536
Ion Ratio Lower Upper
82 100
128 41.3 45.6 68.4#
54 53.9 30.1 45.1#

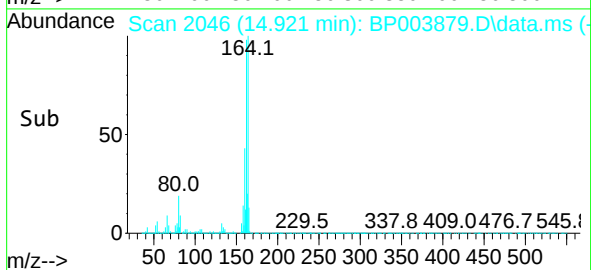
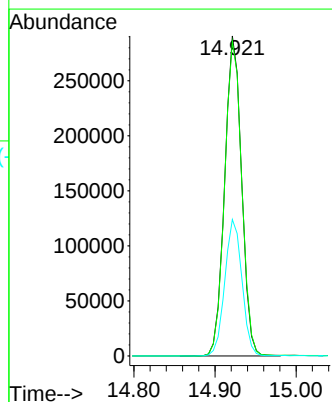
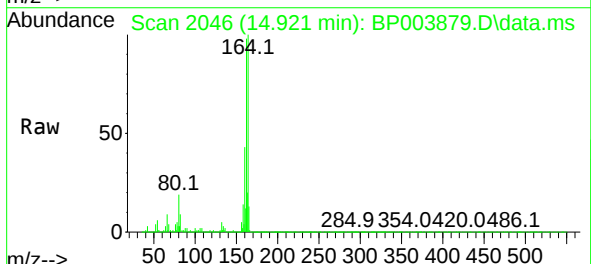
Manual Integrations
APPROVED

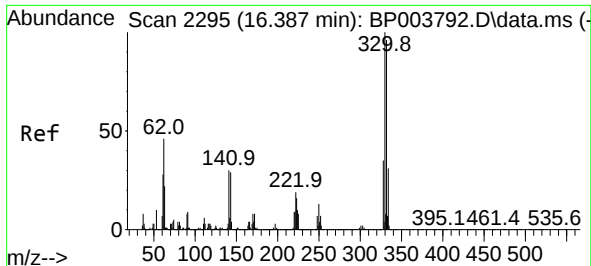
mohammad
11/10/2020 12:00:43 PM



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.921 min Scan# 2046
Delta R.T. 0.005 min
Lab File: BP003879.D
Acq: 09 Nov 2020 21:21

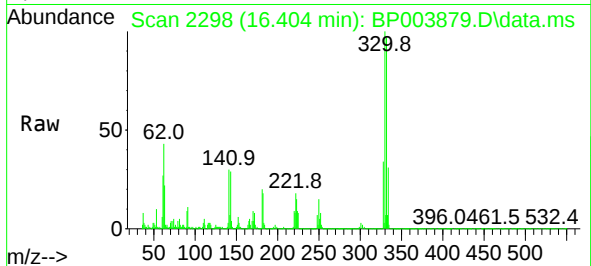
Tgt Ion: 164 Resp: 421626
Ion Ratio Lower Upper
164 100
162 98.4 79.4 119.2
160 42.7 36.1 54.1





#42
2,4,6-Tribromophenol
Concen: 17.77 ng
RT: 16.404 min Scan# 2298
Delta R.T. 0.005 min
Lab File: BP003879.D
Acq: 09 Nov 2020 21:21

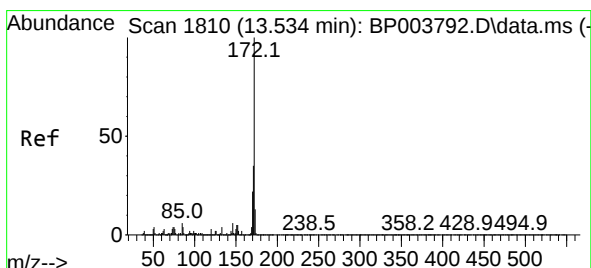
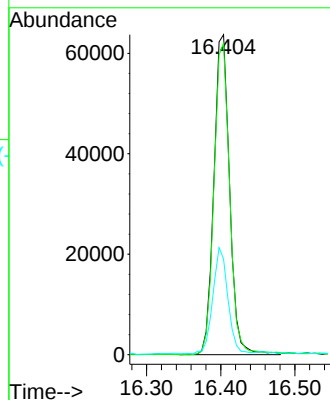
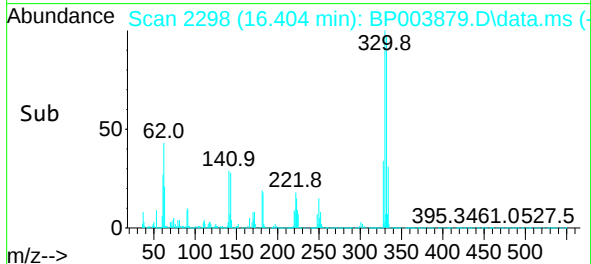
Instrument :
BNA_P
ClientSampleId :
SR-L14-L13-SOUTHDL



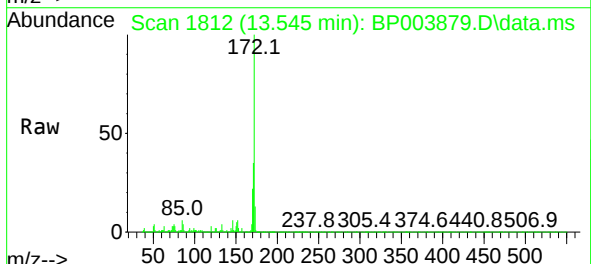
Tgt Ion:330 Resp: 93734
Ion Ratio Lower Upper
330 100
332 97.5 77.1 115.7
141 31.4 23.4 35.2

Manual Integrations
APPROVED

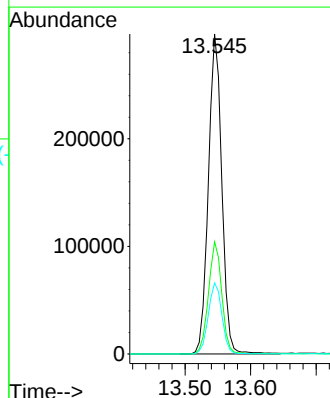
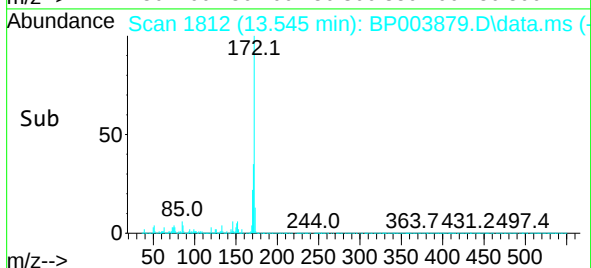
mohammad
11/10/2020 12:00:43 PM

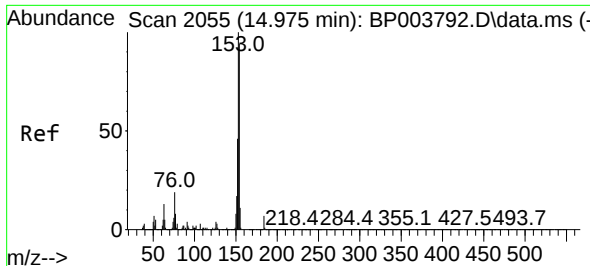


#45
2-Fluorobiphenyl
Concen: 14.07 ng
RT: 13.545 min Scan# 1812
Delta R.T. -0.000 min
Lab File: BP003879.D
Acq: 09 Nov 2020 21:21



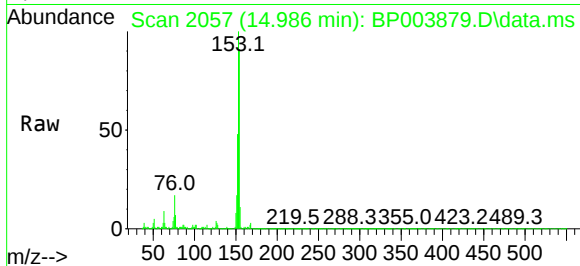
Tgt Ion:172 Resp: 424235
Ion Ratio Lower Upper
172 100
171 35.0 28.5 42.7
170 22.2 19.2 28.8





#52
Acenaphthene
Concen: 2.80 ng
RT: 14.986 min Scan# 2057
Delta R.T. 0.005 min
Lab File: BP003879.D
Acq: 09 Nov 2020 21:21

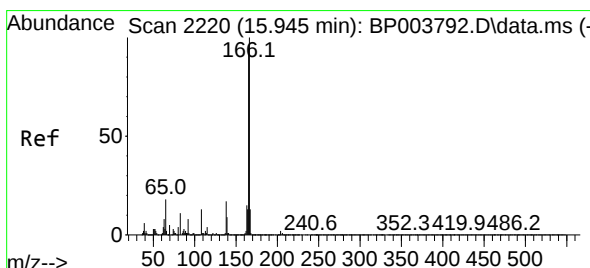
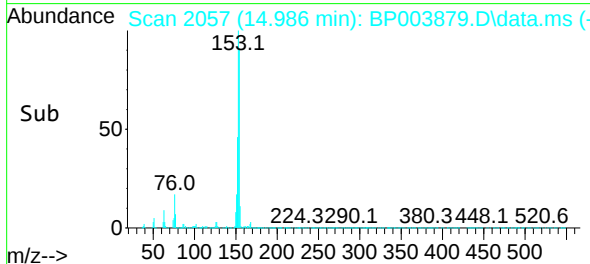
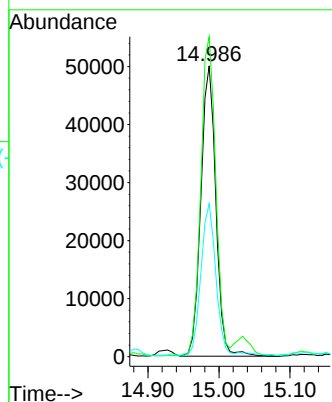
Instrument :
BNA_P
ClientSampleId :
SR-L14-L13-SOUTHDL



Tgt Ion:154 Resp: 73539
Ion Ratio Lower Upper
154 100
153 110.0 91.0 136.6
152 52.6 43.0 64.6

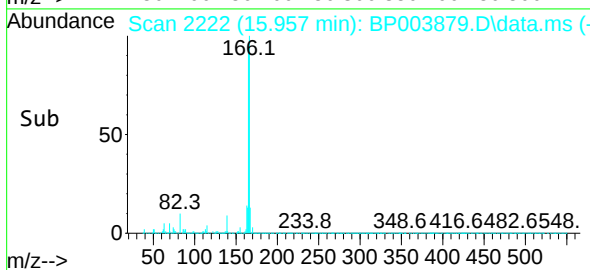
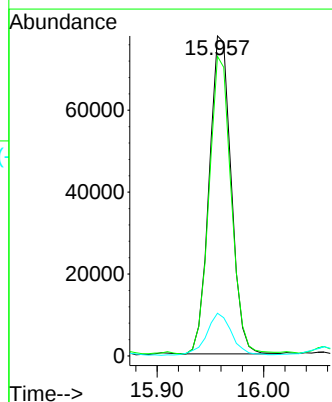
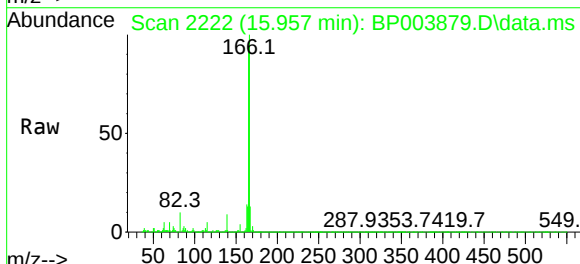
Manual Integrations
APPROVED

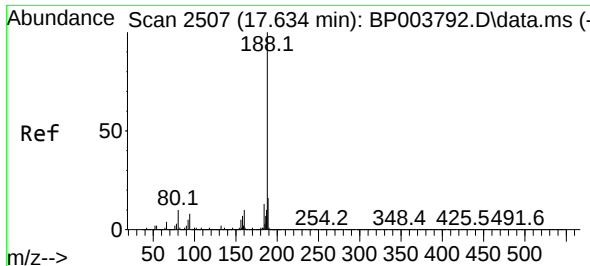
mohammad
11/10/2020 12:00:43 PM



#58
Fluorene
Concen: 3.55 ng
RT: 15.957 min Scan# 2222
Delta R.T. -0.000 min
Lab File: BP003879.D
Acq: 09 Nov 2020 21:21

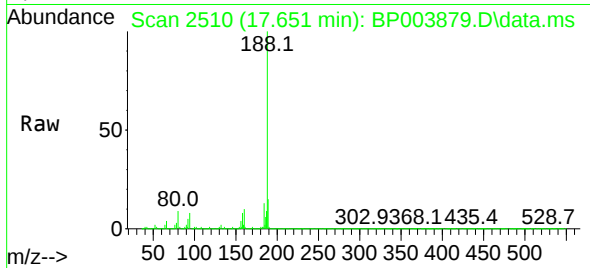
Tgt Ion:166 Resp: 110915
Ion Ratio Lower Upper
166 100
165 93.7 77.8 116.8
167 13.4 11.0 16.4





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.651 min Scan# 2510
Delta R.T. 0.005 min
Lab File: BP003879.D
Acq: 09 Nov 2020 21:21

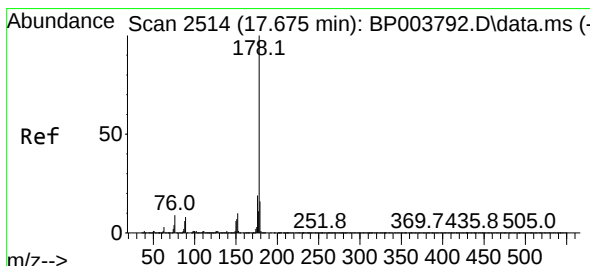
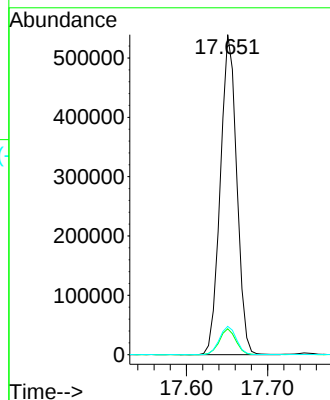
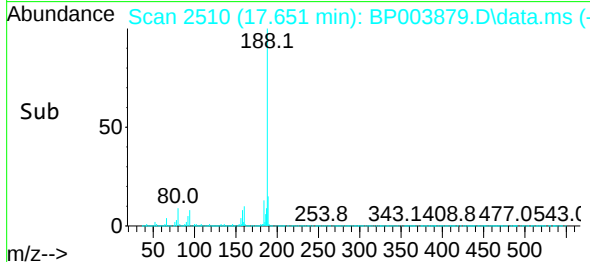
Instrument :
BNA_P
ClientSampleId :
SR-L14-L13-SOUTHDL



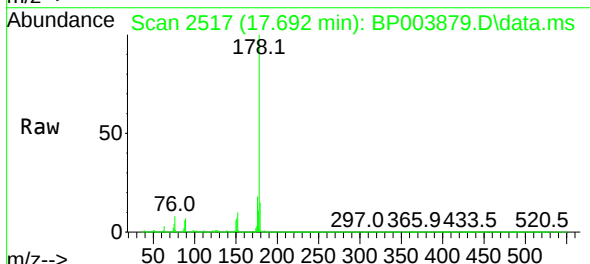
Tgt Ion:188 Resp: 759390
Ion Ratio Lower Upper
188 100
94 8.1 6.2 9.2
80 8.9 6.2 9.2

Manual Integrations
APPROVED

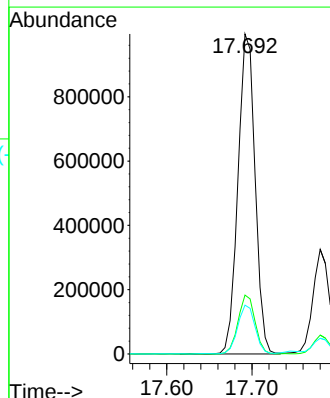
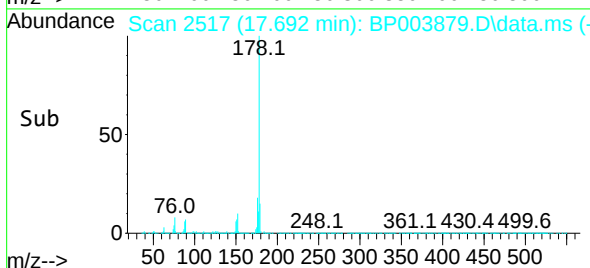
mohammad
11/10/2020 12:00:43 PM

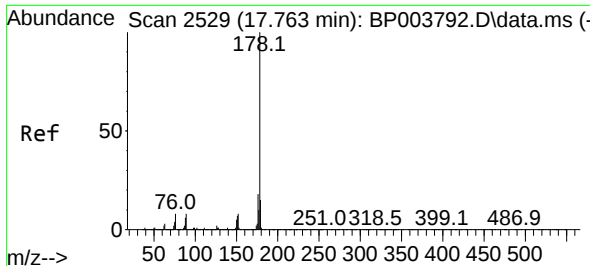


#71
Phenanthrene
Concen: 32.58 ng
RT: 17.692 min Scan# 2517
Delta R.T. 0.005 min
Lab File: BP003879.D
Acq: 09 Nov 2020 21:21



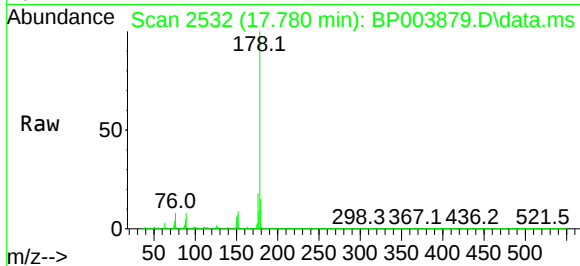
Tgt Ion:178 Resp: 1388471
Ion Ratio Lower Upper
178 100
176 18.4 15.3 22.9
179 15.3 12.5 18.7





#72
 Anthracene
 Concen: 10.42 ng
 RT: 17.780 min Scan# 2532
 Delta R.T. 0.005 min
 Lab File: BP003879.D
 Acq: 09 Nov 2020 21:21

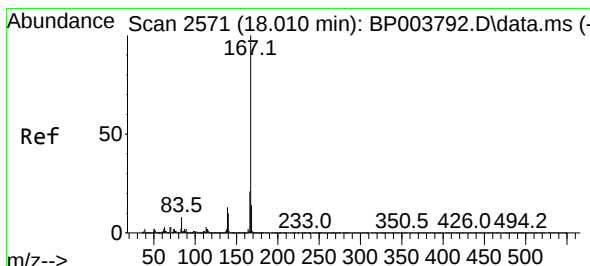
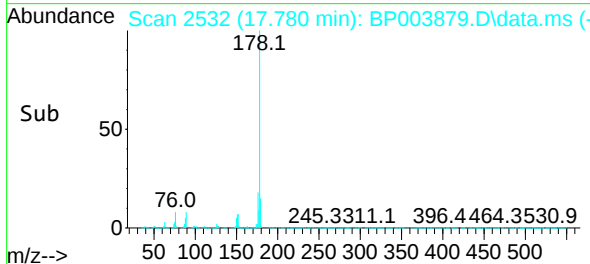
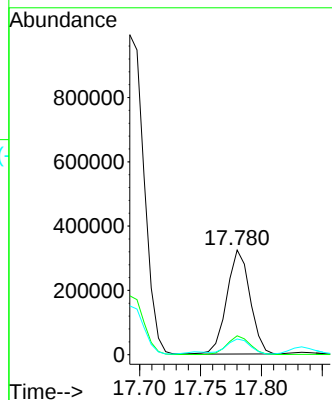
Instrument :
 BNA_P
 ClientSampleId :
 SR-L14-L13-SOUTHDL



Tgt Ion:178 Resp: 428704
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.0 22.4
 179 15.1 12.5 18.7

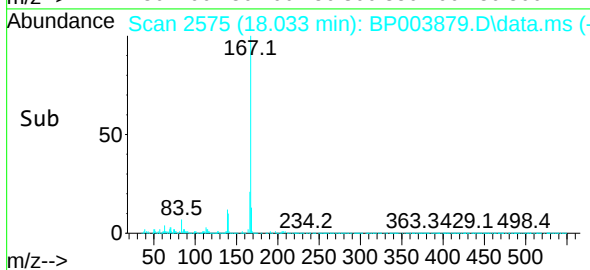
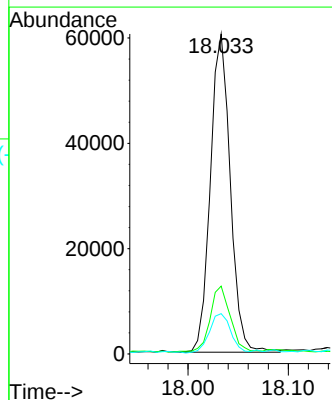
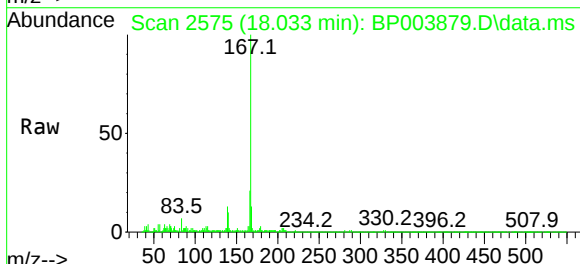
Manual Integrations
 APPROVED

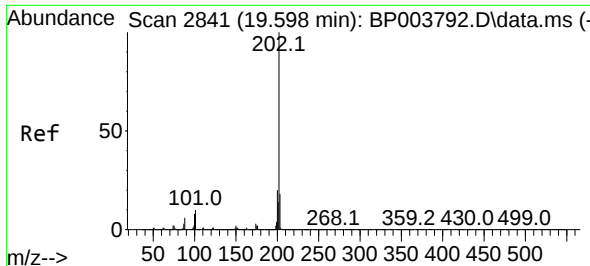
mohammad
 11/10/2020 12:00:43 PM



#73
 Carbazole
 Concen: 2.18 ng
 RT: 18.033 min Scan# 2575
 Delta R.T. 0.005 min
 Lab File: BP003879.D
 Acq: 09 Nov 2020 21:21

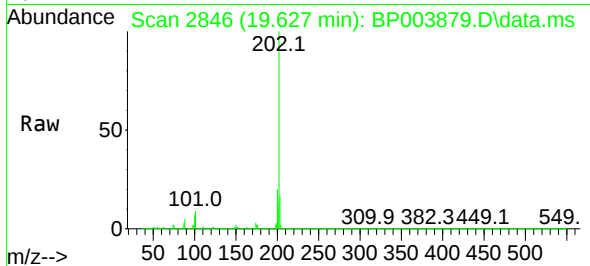
Tgt Ion:167 Resp: 83435
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.6 26.4
 139 12.6 10.2 15.4





#75
Fluoranthene
Concen: 37.38 ng
RT: 19.627 min Scan# 2846
Delta R.T. 0.011 min
Lab File: BP003879.D
Acq: 09 Nov 2020 21:21

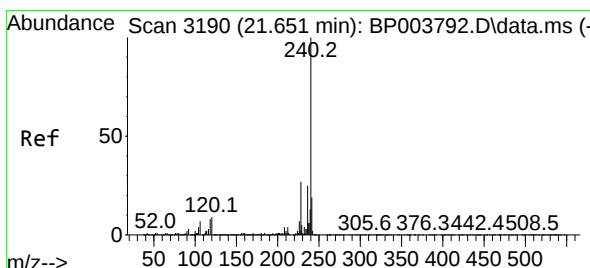
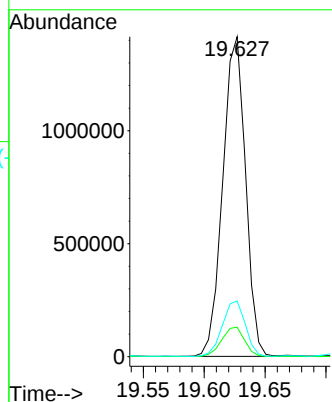
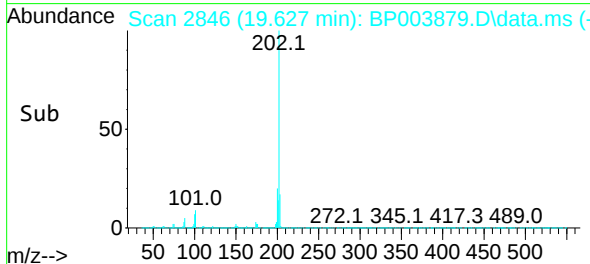
Instrument :
BNA_P
ClientSampleId :
SR-L14-L13-SOUTHDL



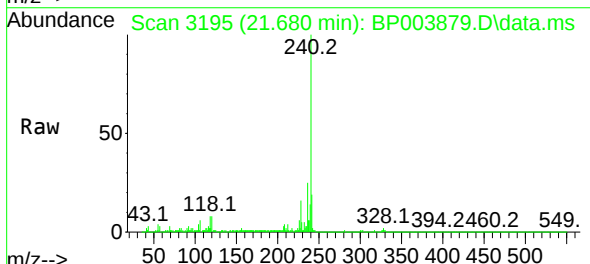
Tgt Ion:202 Resp: 1838442
Ion Ratio Lower Upper
202 100
101 9.2 0.0 29.4
203 17.4 0.0 37.8

Manual Integrations
APPROVED

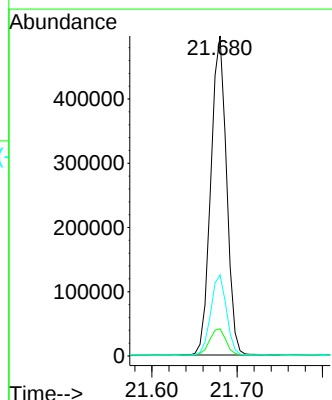
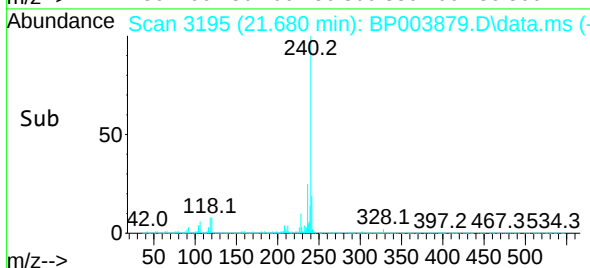
mohammad
11/10/2020 12:00:43 PM

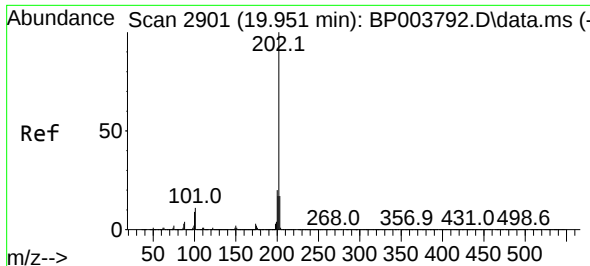


#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.680 min Scan# 3195
Delta R.T. 0.011 min
Lab File: BP003879.D
Acq: 09 Nov 2020 21:21



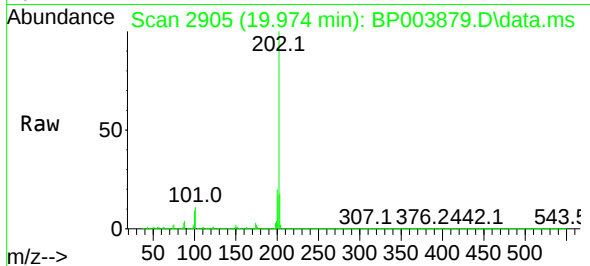
Tgt Ion:240 Resp: 636933
Ion Ratio Lower Upper
240 100
120 8.5 7.8 11.6
236 25.3 20.8 31.2





#78
Pyrene
Concen: 36.93 ng
RT: 19.974 min Scan# 2905
Delta R.T. 0.011 min
Lab File: BP003879.D
Acq: 09 Nov 2020 21:21

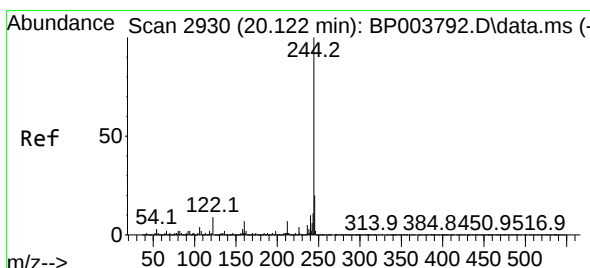
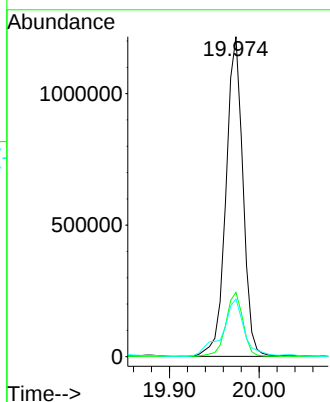
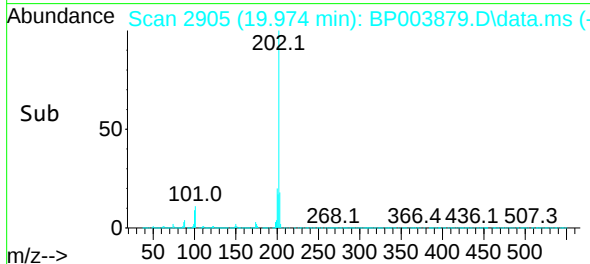
Instrument :
BNA_P
ClientSampleId :
SR-L14-L13-SOUTHDL



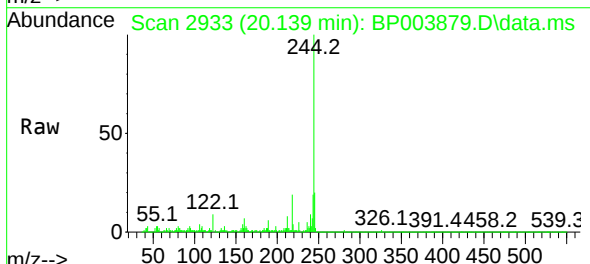
Tgt Ion:202 Resp: 1596146
Ion Ratio Lower Upper
202 100
200 20.1 17.1 25.7
203 18.0 14.2 21.2

Manual Integrations
APPROVED

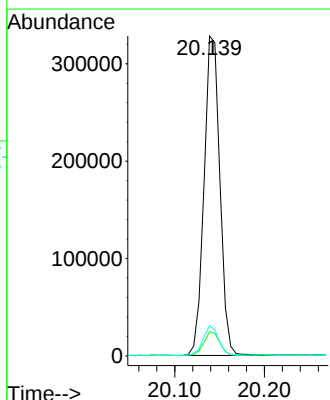
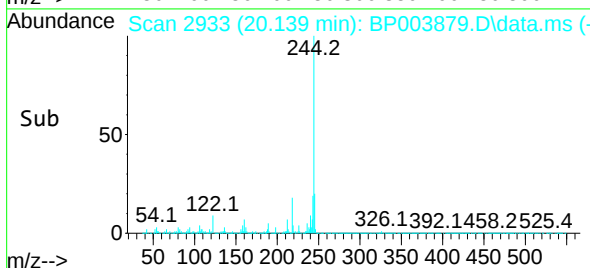
mohammad
11/10/2020 12:00:43 PM

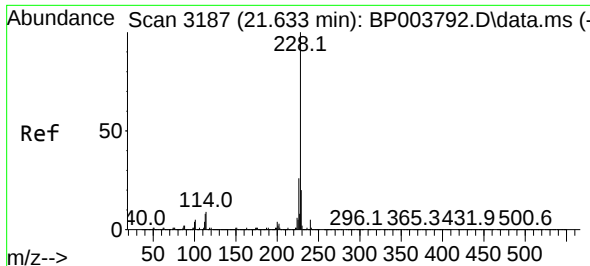


#79
Terphenyl-d14
Concen: 12.20 ng
RT: 20.139 min Scan# 2933
Delta R.T. 0.005 min
Lab File: BP003879.D
Acq: 09 Nov 2020 21:21



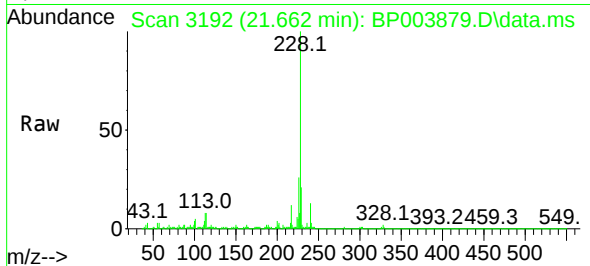
Tgt Ion:244 Resp: 402256
Ion Ratio Lower Upper
244 100
212 7.6 5.8 8.6
122 9.5 7.8 11.8





#81
Benzo(a)anthracene
Concen: 19.96 ng
RT: 21.662 min Scan# 3192
Delta R.T. 0.011 min
Lab File: BP003879.D
Acq: 09 Nov 2020 21:21

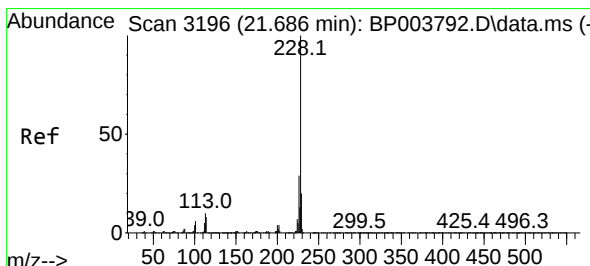
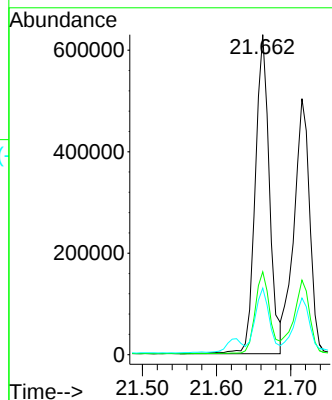
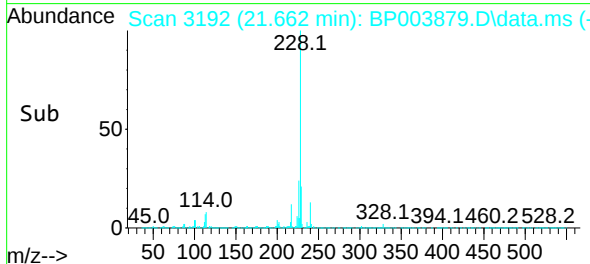
Instrument :
BNA_P
ClientSampleId :
SR-L14-L13-SOUTHDL



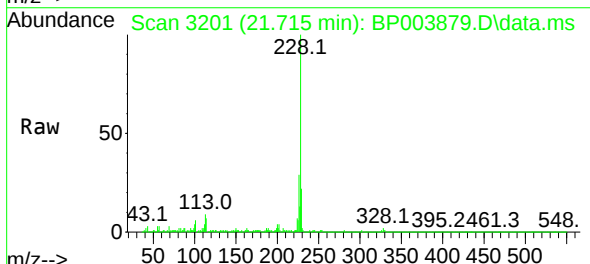
Tgt Ion:228 Resp: 838275
Ion Ratio Lower Upper
228 100
226 25.9 22.1 33.1
229 20.8 15.9 23.9

Manual Integrations
APPROVED

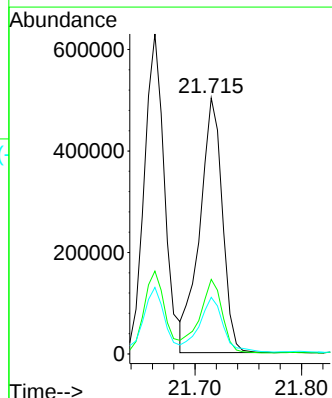
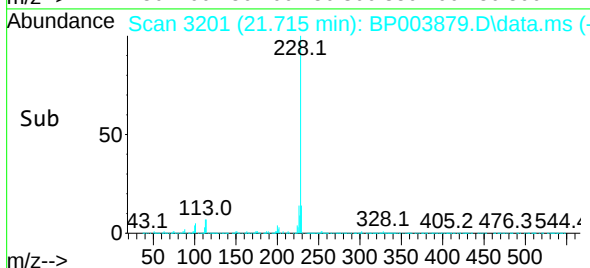
mohammad
11/10/2020 12:00:43 PM

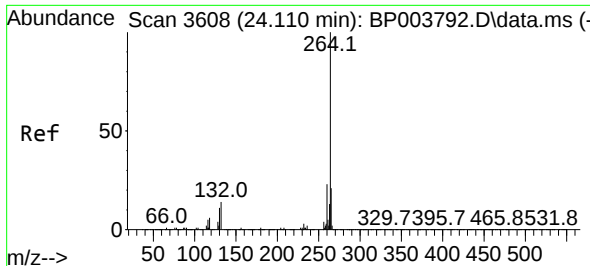


#83
Chrysene
Concen: 18.39 ng
RT: 21.715 min Scan# 3201
Delta R.T. 0.011 min
Lab File: BP003879.D
Acq: 09 Nov 2020 21:21



Tgt Ion:228 Resp: 742298
Ion Ratio Lower Upper
228 100
226 29.1 24.4 36.6
229 22.1 15.8 23.6





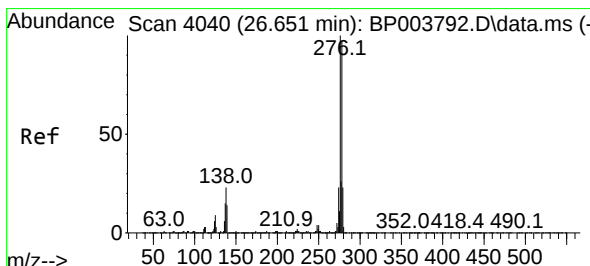
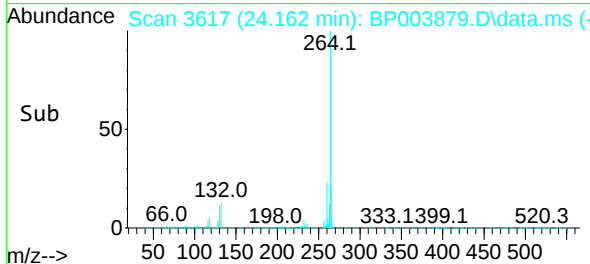
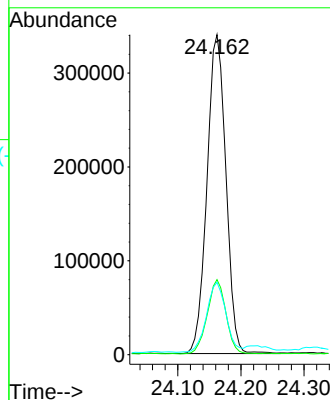
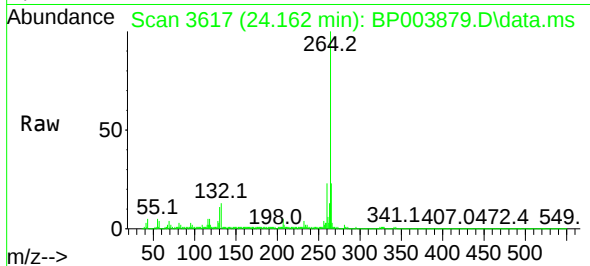
#86
Perylene-d12
Concen: 20.00 ng
RT: 24.162 min Scan# 3617
Delta R.T. 0.017 min
Lab File: BP003879.D
Acq: 09 Nov 2020 21:21

Tgt Ion: 264 Resp: 708140
Ion Ratio Lower Upper
264 100
260 23.5 18.8 28.2
265 22.6 17.4 26.2

Instrument :
BNA_P
ClientSampleId :
SR-L14-L13-SOUTHDL

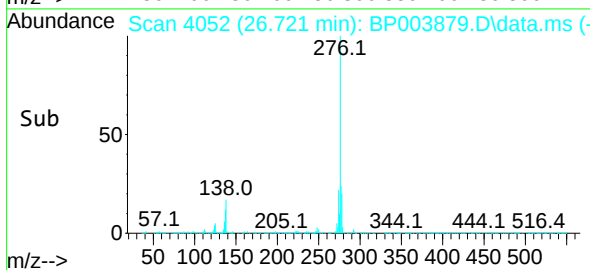
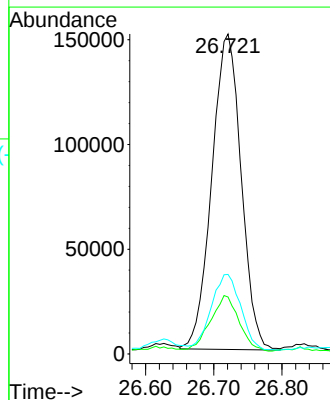
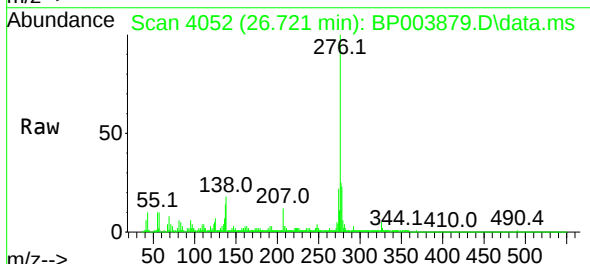
Manual Integrations
APPROVED

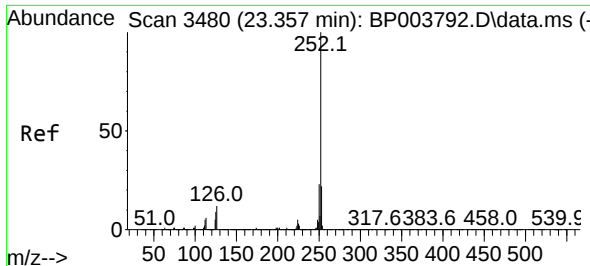
mohammad
11/10/2020 12:00:43 PM



#87
Indeno(1,2,3-cd)pyrene
Concen: 8.82 ng
RT: 26.721 min Scan# 4052
Delta R.T. 0.017 min
Lab File: BP003879.D
Acq: 09 Nov 2020 21:21

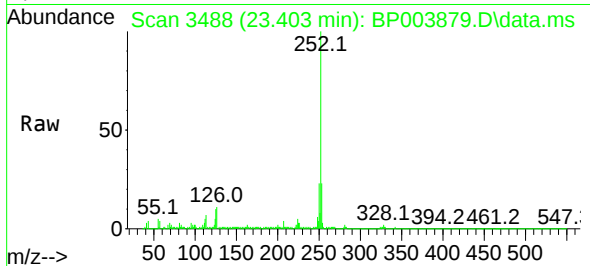
Tgt Ion: 276 Resp: 450522
Ion Ratio Lower Upper
276 100
138 17.2 18.7 28.1#
277 24.3 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 20.10 ng m
RT: 23.403 min Scan# 3488
Delta R.T. 0.011 min
Lab File: BP003879.D
Acq: 09 Nov 2020 21:21

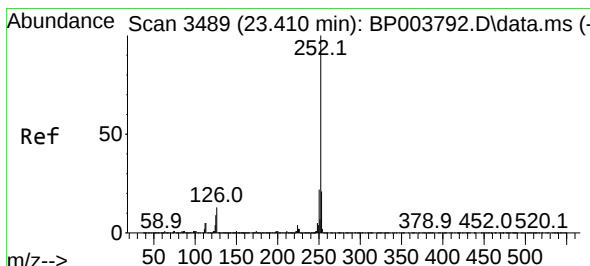
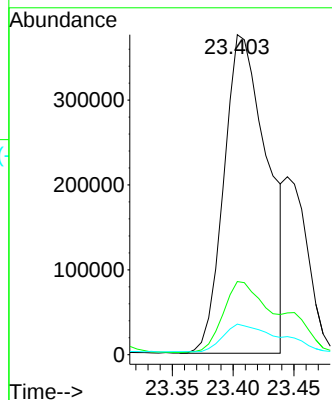
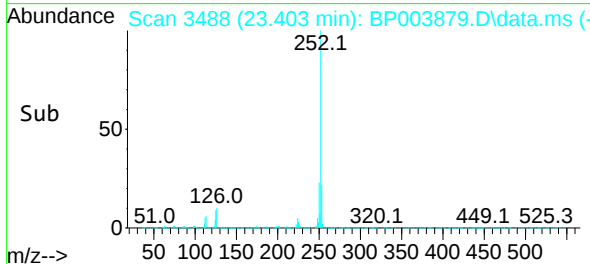
Instrument :
BNA_P
ClientSampleId :
SR-L14-L13-SOUTHDL



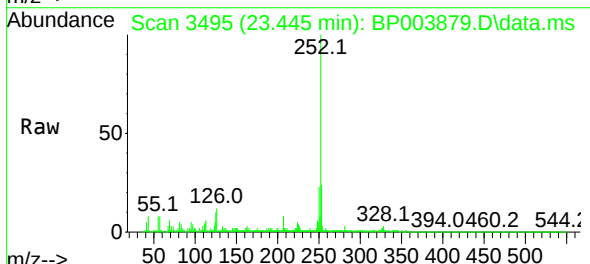
Tgt Ion:252 Resp: 931310
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 9.6 7.3 10.9

Manual Integrations
APPROVED

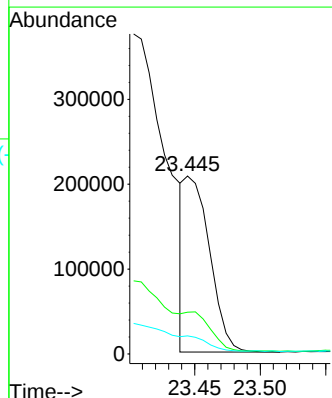
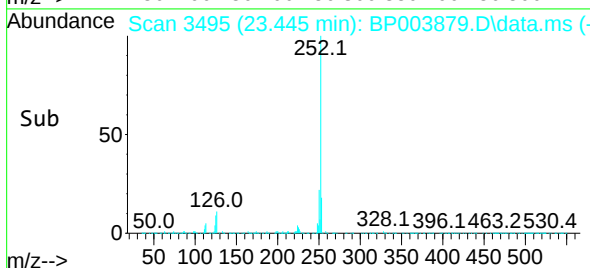
mohammad
11/10/2020 12:00:43 PM

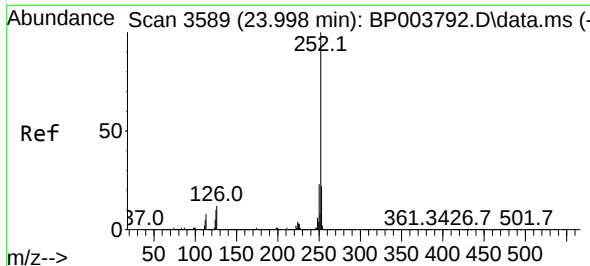


#89
Benzo(k)fluoranthene
Concen: 6.02 ng m
RT: 23.445 min Scan# 3495
Delta R.T. 0.005 min
Lab File: BP003879.D
Acq: 09 Nov 2020 21:21



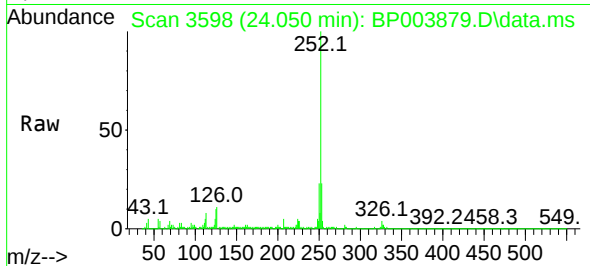
Tgt Ion:252 Resp: 275291
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 10.1 7.4 11.2





#90
Benzo(a)pyrene
Concen: 16.68 ng
RT: 24.050 min Scan# 3598
Delta R.T. 0.017 min
Lab File: BP003879.D
Acq: 09 Nov 2020 21:21

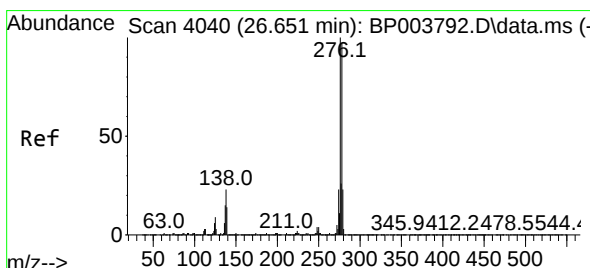
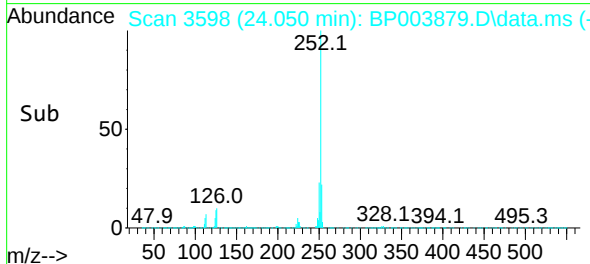
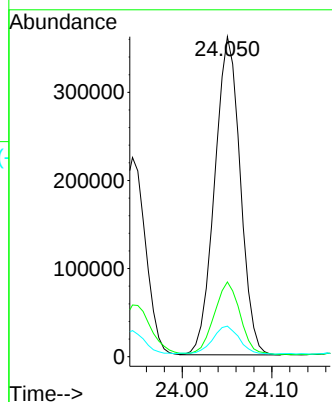
Instrument :
BNA_P
ClientSampleId :
SR-L14-L13-SOUTHDL



Tgt Ion:252 Resp: 715471
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.0
125 9.5 8.2 12.4

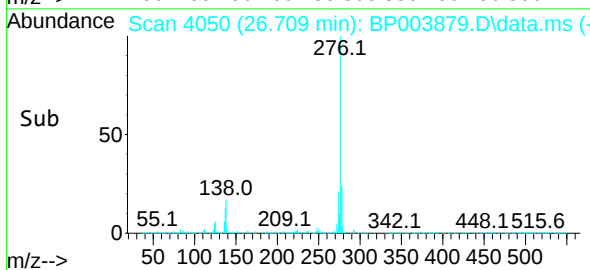
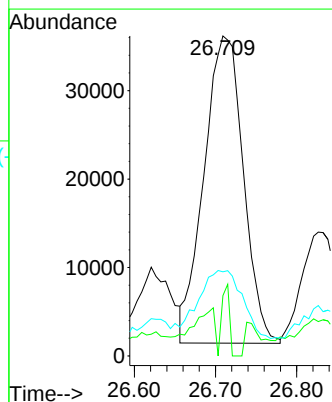
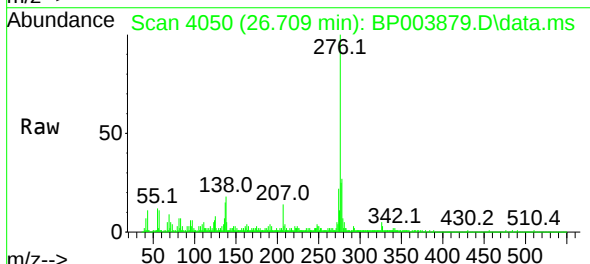
Manual Integrations
APPROVED

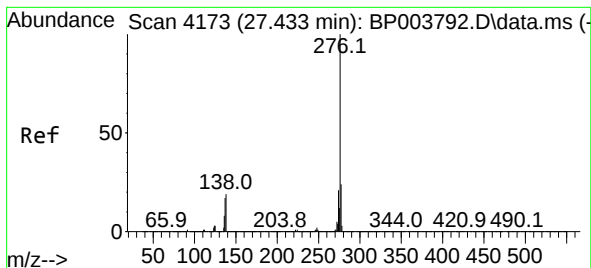
mohammad
11/10/2020 12:00:43 PM



#91
Dibenzo(a,h)anthracene
Concen: 2.75 ng
RT: 26.709 min Scan# 4050
Delta R.T. 0.005 min
Lab File: BP003879.D
Acq: 09 Nov 2020 21:21

Tgt Ion:278 Resp: 117062
Ion Ratio Lower Upper
278 100
139 18.8 12.4 18.6#
279 26.3 19.0 28.6





#92

Benzo(g,h,i)perylene

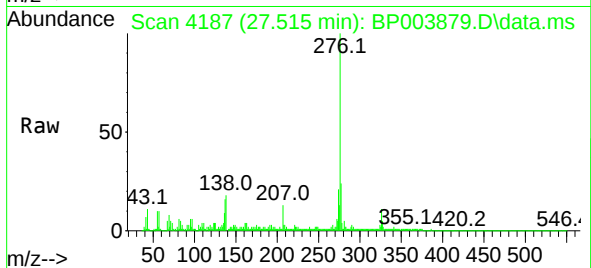
Concen: 10.70 ng

RT: 27.515 min Scan# 4187

Delta R.T. 0.023 min

Lab File: BP003879.D

Acq: 09 Nov 2020 21:21



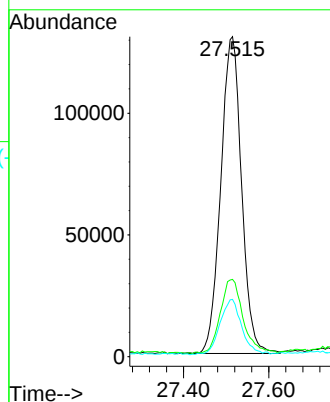
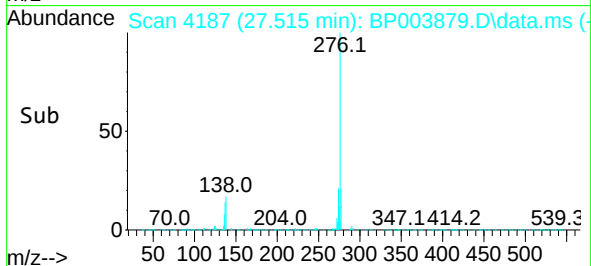
Tgt Ion: 276 Resp: 441138

Ion Ratio Lower Upper

276 100

277 24.2 19.0 28.6

138 17.9 16.6 24.8



Instrument :

BNA_P

ClientSampleId :

SR-L14-L13-SOUTHDL

Manual Integrations

APPROVED

mohammad

11/10/2020 12:00:43 PM