

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111220\
 Data File : BP003946.D
 Acq On : 12 Nov 2020 19:24
 Operator : CG/JU
 Sample : L4704-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 KL-SOIL

Manual Integrations
 APPROVED

mohammad
 11/18/2020 1:55:16 PM

Quant Time: Nov 13 00:16:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 12 15:22:47 2020
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.281	152	150768	20.00	ng	0.00
21) Naphthalene-d8	11.116	136	568399	20.00	ng	# 0.00
39) Acenaphthene-d10	14.904	164	332076	20.00	ng	0.00
64) Phenanthrene-d10	17.639	188	676832	20.00	ng	# 0.00
76) Chrysene-d12	21.668	240	631311	20.00	ng	0.00
86) Perylene-d12	24.157	264	681154	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.805	112	976873	108.14	ng	0.00
7) Phenol-d6	7.457	99	1270784	98.00	ng	0.00
23) Nitrobenzene-d5	9.446	82	820799	70.72	ng	0.00
42) 2,4,6-Tribromophenol	16.386	330	433186	104.30	ng	0.00
45) 2-Fluorobiphenyl	13.528	172	1689276	71.12	ng	0.00
79) Terphenyl-d14	20.133	244	2087077	63.87	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	14.328	163	356973	13.75	ng	99
71) Phenanthrene	17.680	178	114400	3.01	ng	98
75) Fluoranthene	19.616	202	253761	5.79	ng	99
78) Pyrene	19.963	202	226421	5.29	ng	99
81) Benzo(a)anthracene	21.657	228	137975	3.31	ng	97
83) Chrysene	21.710	228	138300	3.46	ng	97
88) Benzo(b)fluoranthene	23.398	252	185292m	4.16	ng	
90) Benzo(a)pyrene	24.045	252	127144	3.08	ng	# 89
92) Benzo(g,h,i)perylene	27.509	276	86173	2.17	ng	94

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

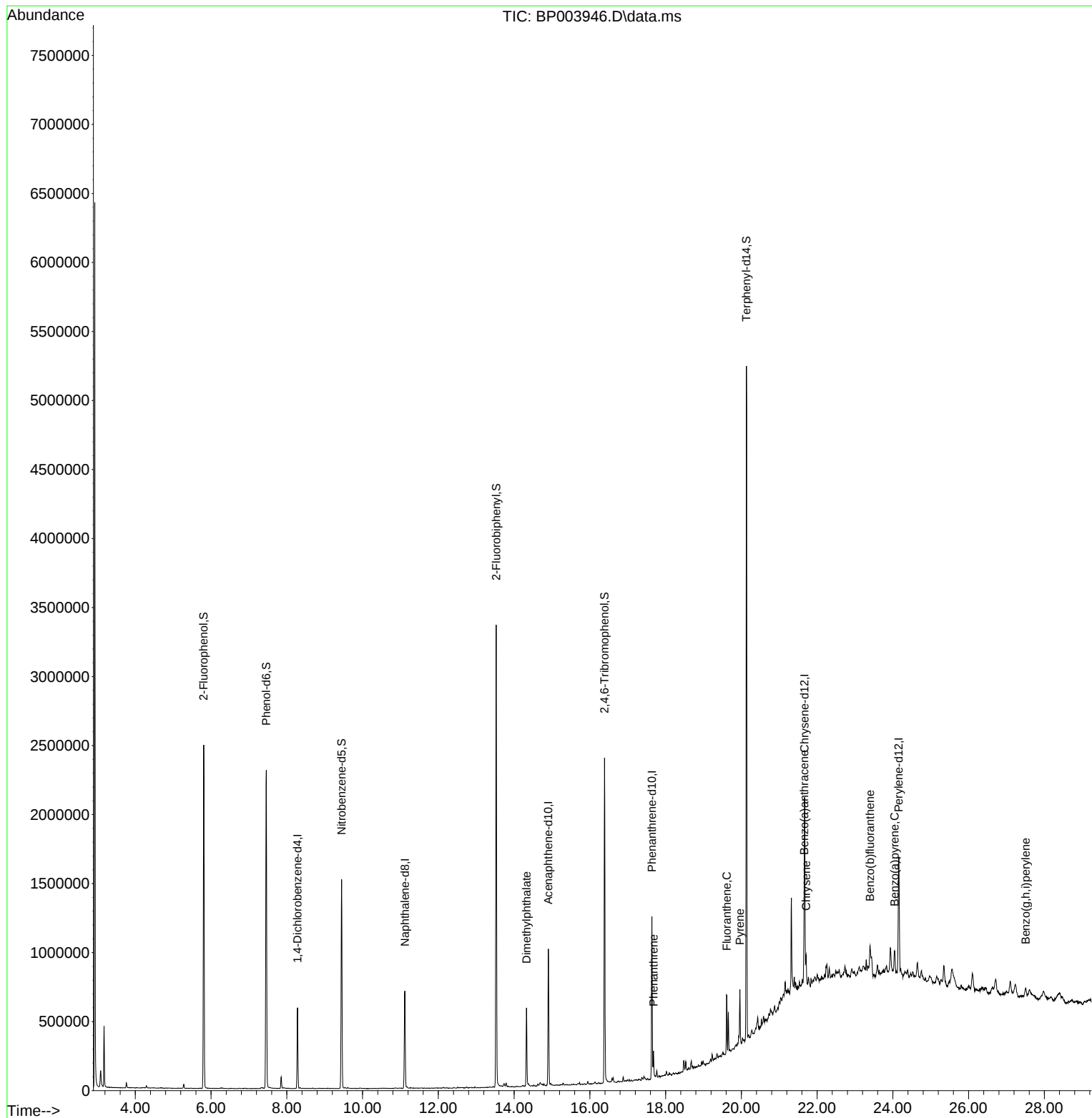
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111220\
Data File : BP003946.D
Acq On : 12 Nov 2020 19:24
Operator : CG/JU
Sample : L4704-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
KL-SOIL

Manual Integrations
APPROVED

mohammad
11/18/2020 1:55:16 PM

Quant Time: Nov 13 00:16:38 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 12 15:22:47 2020
Response via : Initial Calibration





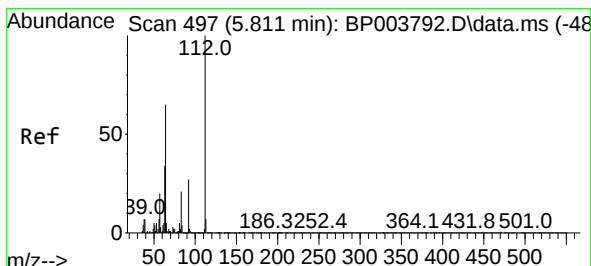
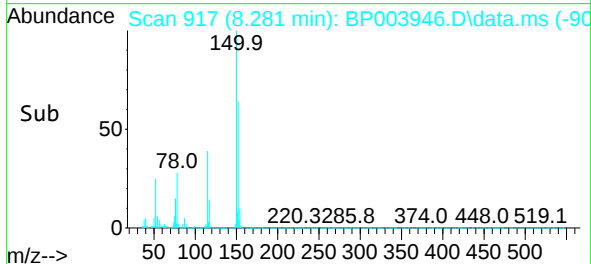
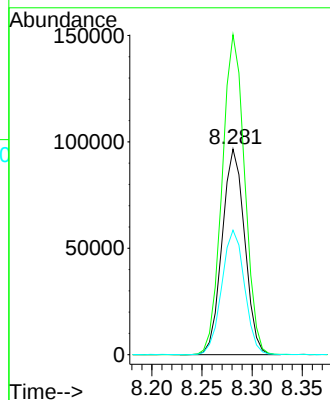
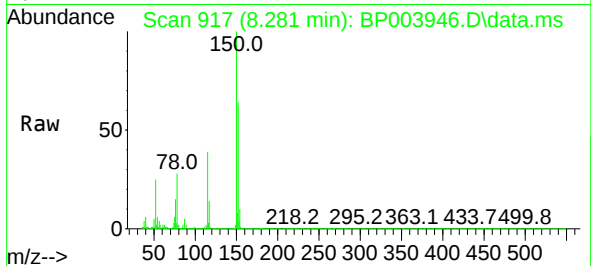
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.281 min Scan# 917
Delta R.T. -0.000 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24

Tgt Ion:152 Resp: 150768
Ion Ratio Lower Upper
152 100
150 155.7 123.8 185.6
115 60.6 43.8 65.6

Instrument :
BNA_P
ClientSampled :
KL-SOIL

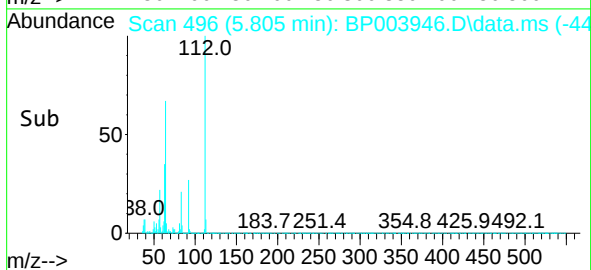
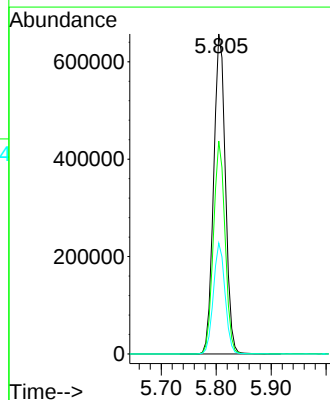
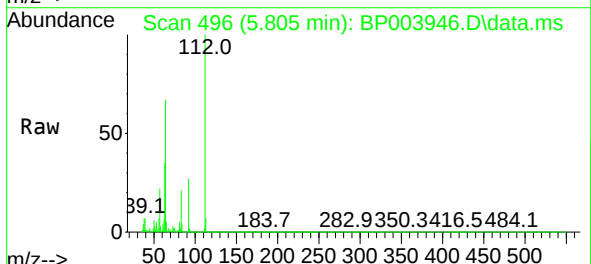
Manual Integrations
APPROVED

mohammad
11/18/2020 1:55:16 PM



#5
2-Fluorophenol
Concen: 108.14 ng
RT: 5.805 min Scan# 496
Delta R.T. -0.000 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24

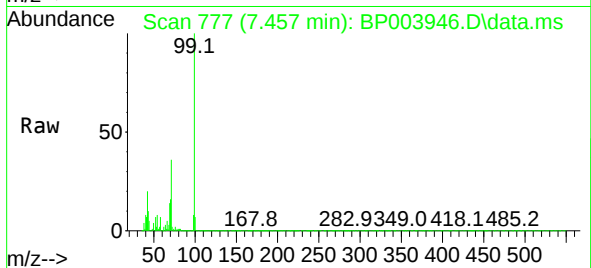
Tgt Ion:112 Resp: 976873
Ion Ratio Lower Upper
112 100
64 66.6 32.8 49.2#
63 34.6 17.0 25.4#





#7
Phenol-d6
Concen: 98.00 ng
RT: 7.457 min Scan# 777
Delta R.T. 0.006 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24

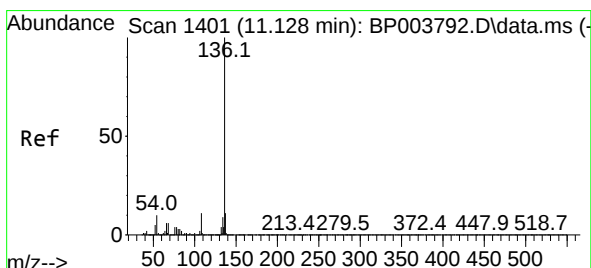
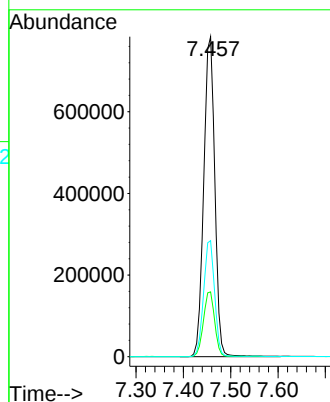
Instrument :
BNA_P
ClientSampled :
KL-SOIL



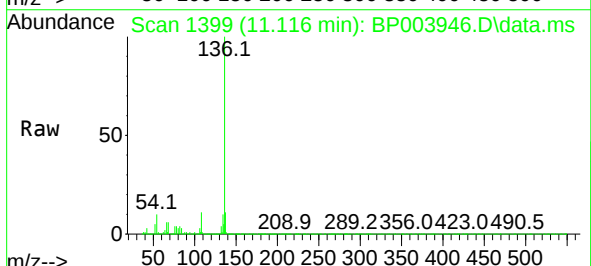
Tgt Ion: 99 Resp: 1270784
Ion Ratio Lower Upper
99 100
42 20.3 8.6 13.0#
71 36.3 23.4 35.2#

Manual Integrations
APPROVED

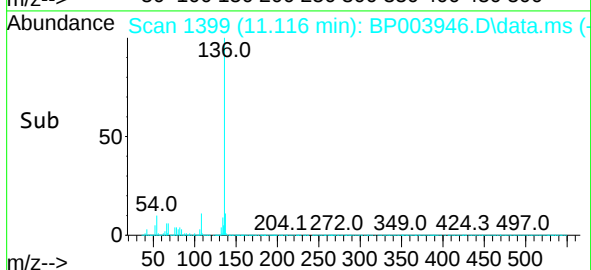
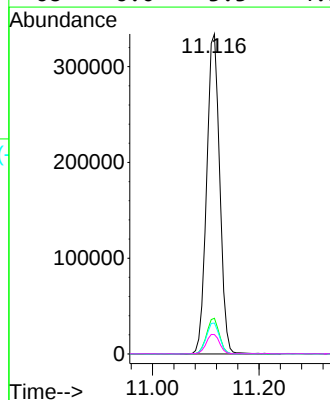
mohammad
11/18/2020 1:55:16 PM

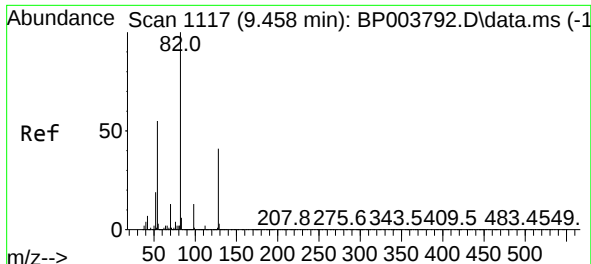


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.116 min Scan# 1399
Delta R.T. -0.000 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24



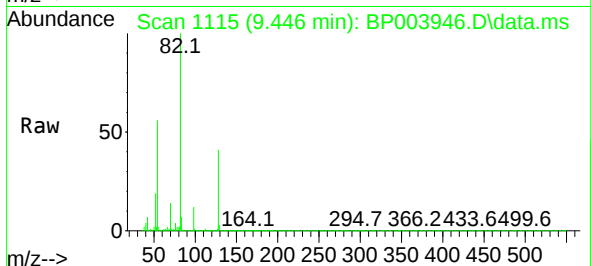
Tgt Ion: 136 Resp: 568399
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 9.6 3.6 5.4#
68 6.0 3.3 4.9#





#23
Nitrobenzene-d5
Concen: 70.72 ng
RT: 9.446 min Scan# 1115
Delta R.T. -0.000 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24

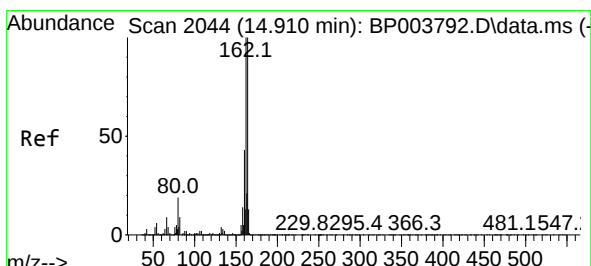
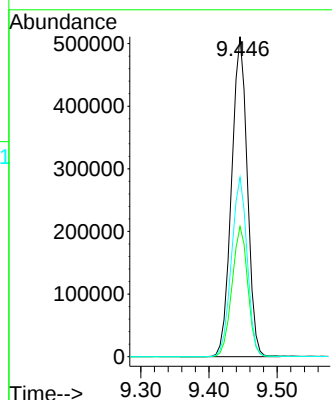
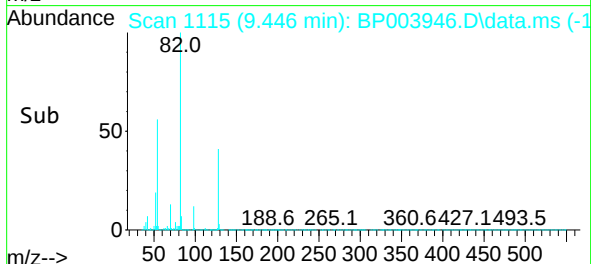
Instrument :
BNA_P
ClientSampled :
KL-SOIL



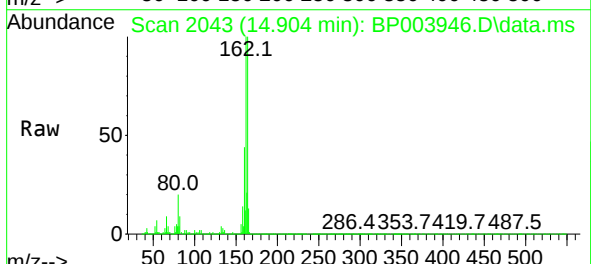
Tgt Ion: 82 Resp: 820799
Ion Ratio Lower Upper
82 100
128 40.7 45.6 68.4#
54 56.0 30.1 45.1#

Manual Integrations
APPROVED

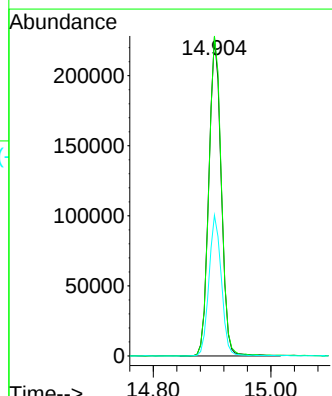
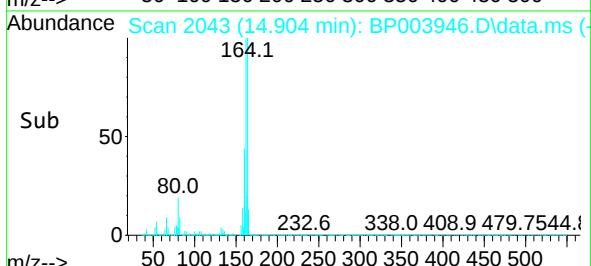
mohammad
11/18/2020 1:55:16 PM

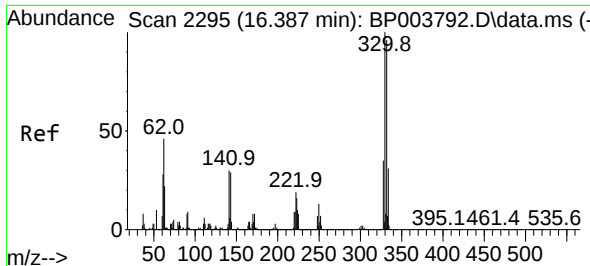


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.904 min Scan# 2043
Delta R.T. -0.006 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24



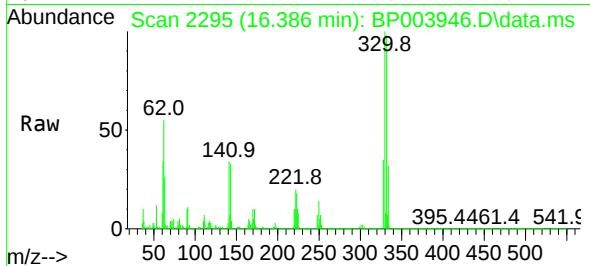
Tgt Ion: 164 Resp: 332076
Ion Ratio Lower Upper
164 100
162 100.3 79.4 119.2
160 44.1 36.1 54.1





#42
2,4,6-Tribromophenol
Concen: 104.30 ng
RT: 16.386 min Scan# 2295
Delta R.T. -0.006 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24

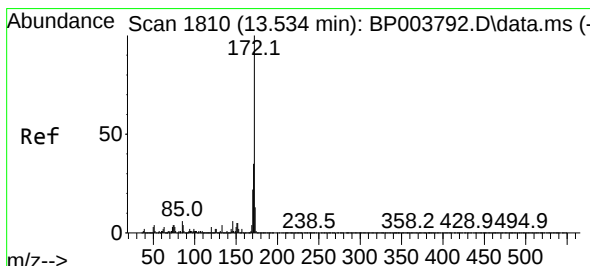
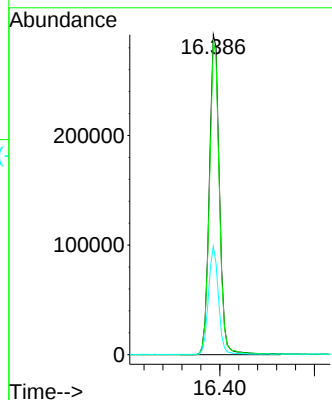
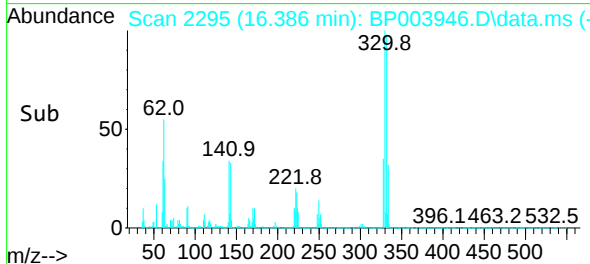
Instrument :
BNA_P
ClientSampled :
KL-SOIL



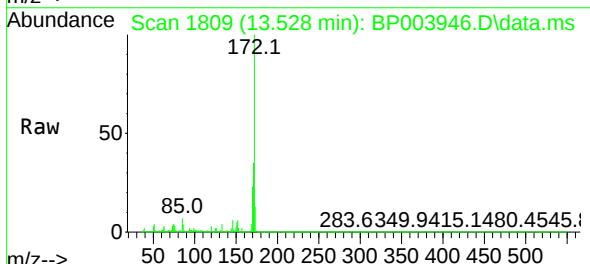
Tgt Ion:330 Resp: 433186
Ion Ratio Lower Upper
330 100
332 96.4 77.1 115.7
141 33.2 23.4 35.2

Manual Integrations
APPROVED

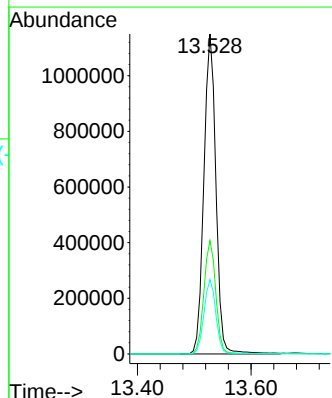
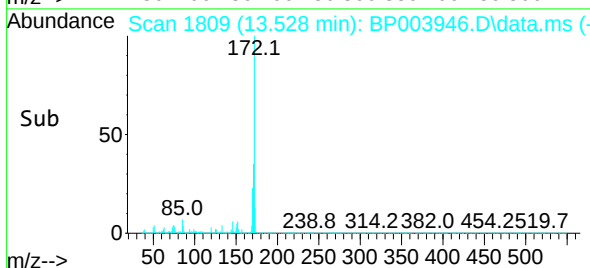
mohammad
11/18/2020 1:55:16 PM



#45
2-Fluorobiphenyl
Concen: 71.12 ng
RT: 13.528 min Scan# 1809
Delta R.T. -0.000 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24



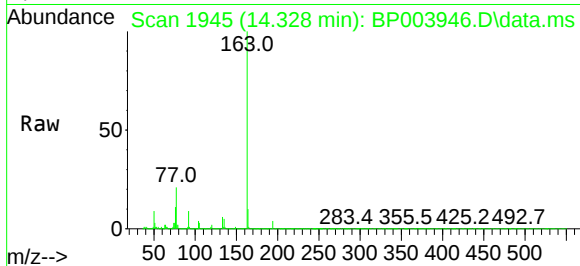
Tgt Ion:172 Resp: 1689276
Ion Ratio Lower Upper
172 100
171 35.4 28.5 42.7
170 23.3 19.2 28.8





#50
Dimethylphthalate
Concen: 13.75 ng
RT: 14.328 min Scan# 1945
Delta R.T. -0.006 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24

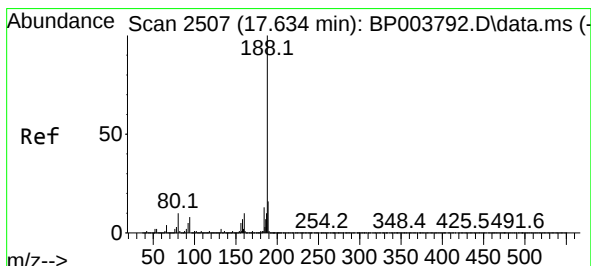
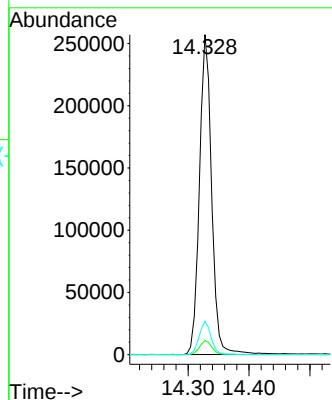
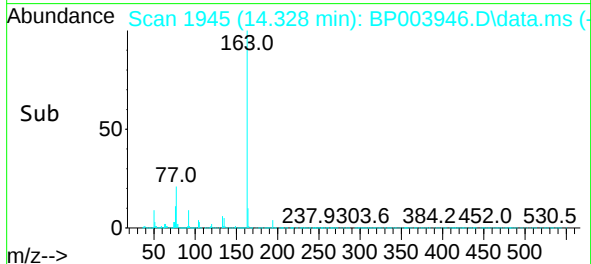
Instrument :
BNA_P
ClientSampleId :
KL-SOIL



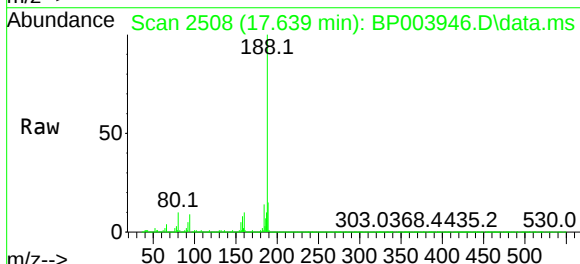
Tgt Ion:163 Resp: 356973
Ion Ratio Lower Upper
163 100
194 4.4 3.3 4.9
164 10.5 8.2 12.2

Manual Integrations
APPROVED

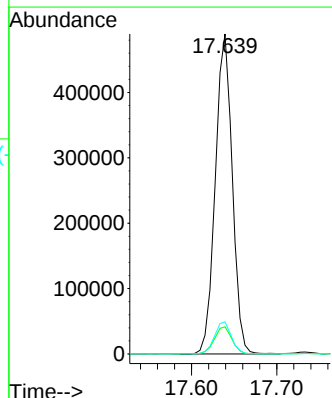
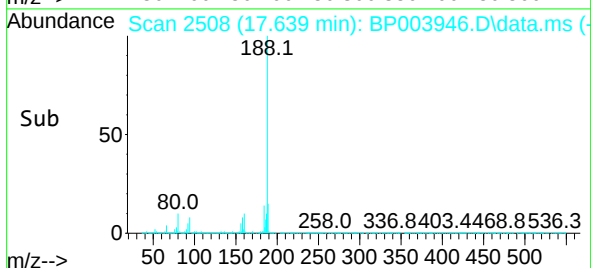
mohammad
11/18/2020 1:55:16 PM

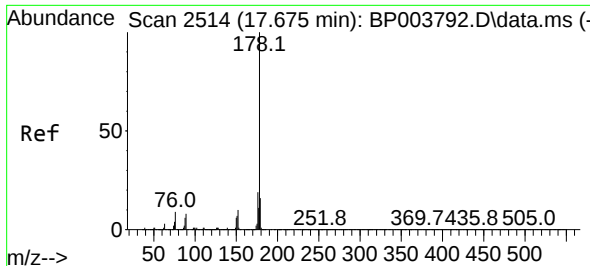


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.639 min Scan# 2508
Delta R.T. -0.000 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24



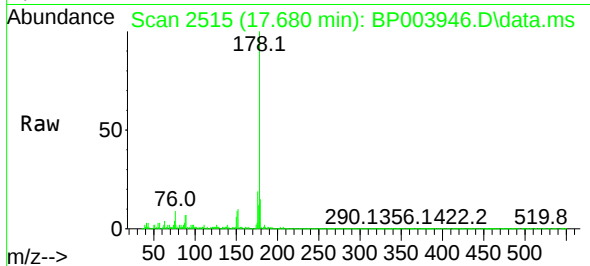
Tgt Ion:188 Resp: 676832
Ion Ratio Lower Upper
188 100
94 8.5 6.2 9.2
80 10.1 6.2 9.2#





#71
Phenanthrene
Concen: 3.01 ng
RT: 17.680 min Scan# 2515
Delta R.T. -0.000 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24

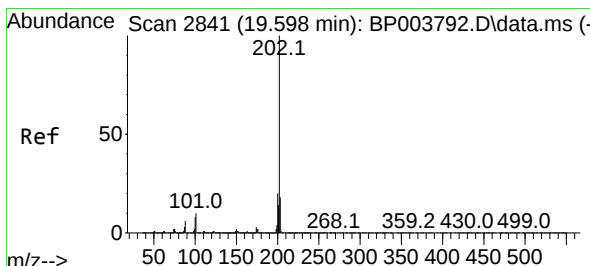
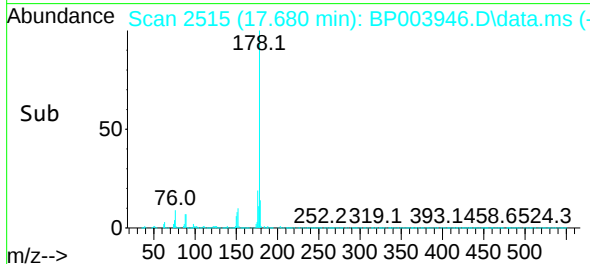
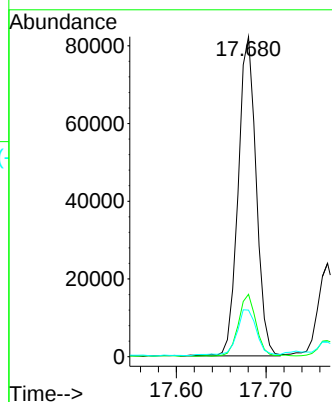
Instrument :
BNA_P
ClientSampleId :
KL-SOIL



Tgt Ion:178 Resp: 114400
Ion Ratio Lower Upper
178 100
176 19.5 15.3 22.9
179 14.6 12.5 18.7

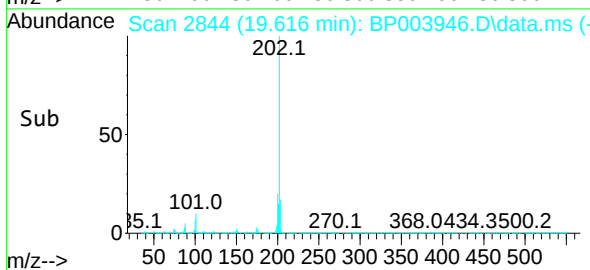
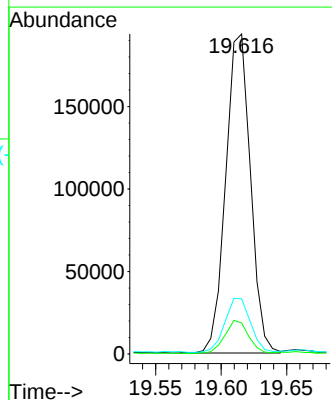
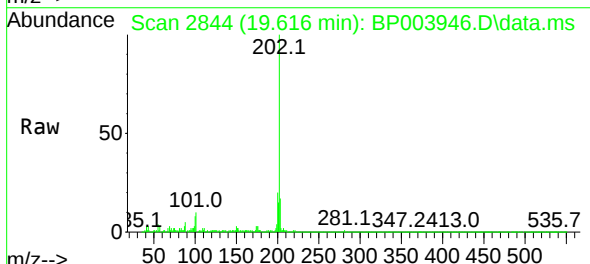
Manual Integrations
APPROVED

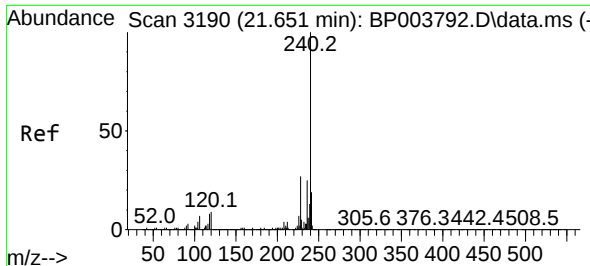
mohammad
11/18/2020 1:55:16 PM



#75
Fluoranthene
Concen: 5.79 ng
RT: 19.616 min Scan# 2844
Delta R.T. -0.000 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24

Tgt Ion:202 Resp: 253761
Ion Ratio Lower Upper
202 100
101 9.7 0.0 29.4
203 17.3 0.0 37.8





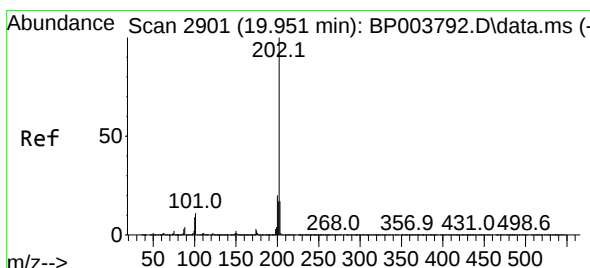
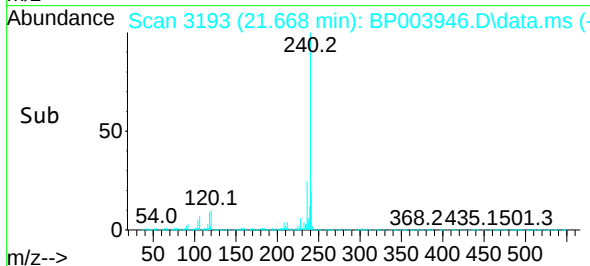
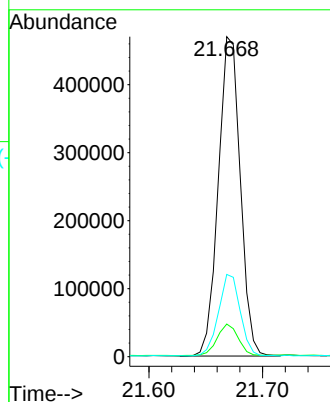
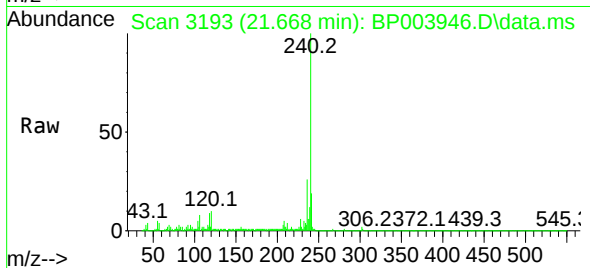
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.668 min Scan# 3193
Delta R.T. -0.006 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24

Tgt Ion:240 Resp: 631311
Ion Ratio Lower Upper
240 100
120 10.2 7.8 11.6
236 25.7 20.8 31.2

Instrument :
BNA_P
ClientSampled :
KL-SOIL

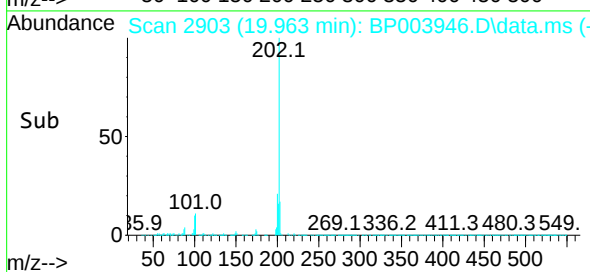
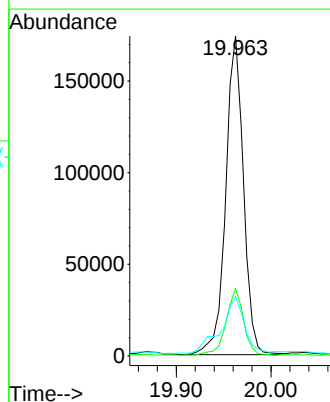
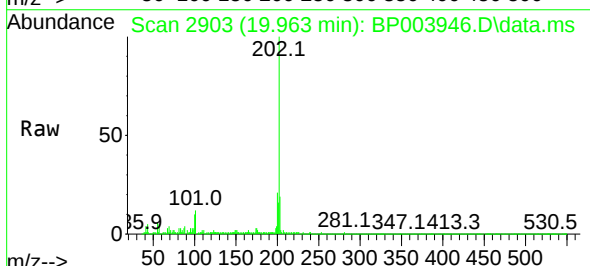
Manual Integrations
APPROVED

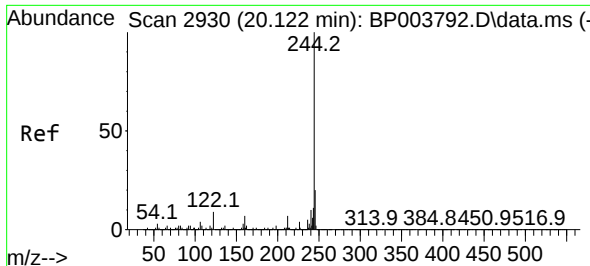
mohammad
11/18/2020 1:55:16 PM



#78
Pyrene
Concen: 5.29 ng
RT: 19.963 min Scan# 2903
Delta R.T. -0.000 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24

Tgt Ion:202 Resp: 226421
Ion Ratio Lower Upper
202 100
200 21.1 17.1 25.7
203 18.6 14.2 21.2





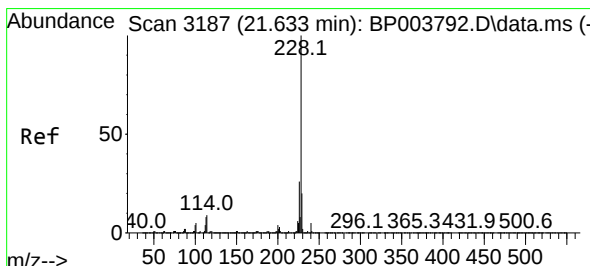
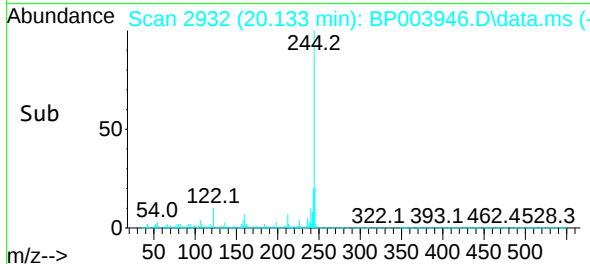
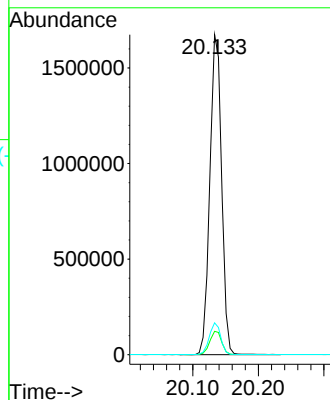
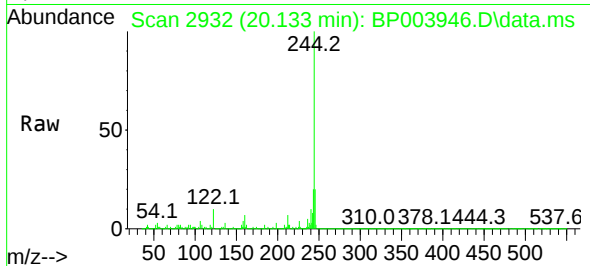
#79
Terphenyl-d14
Concen: 63.87 ng
RT: 20.133 min Scan# 2932
Delta R.T. -0.000 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24

Tgt Ion:244 Resp: 2087077
Ion Ratio Lower Upper
244 100
212 7.3 5.8 8.6
122 9.9 7.8 11.8

Instrument :
BNA_P
ClientSampled :
KL-SOIL

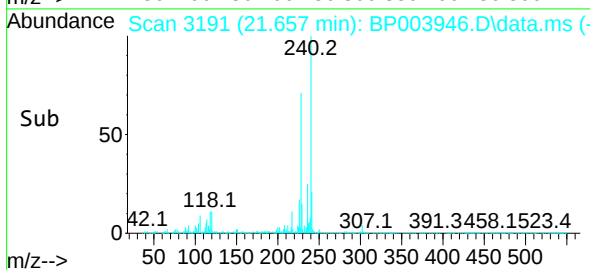
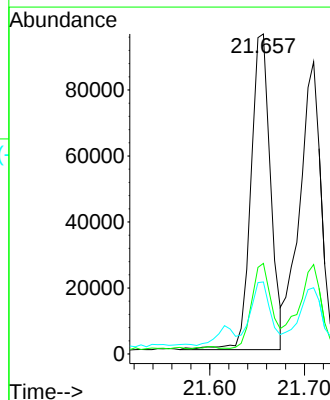
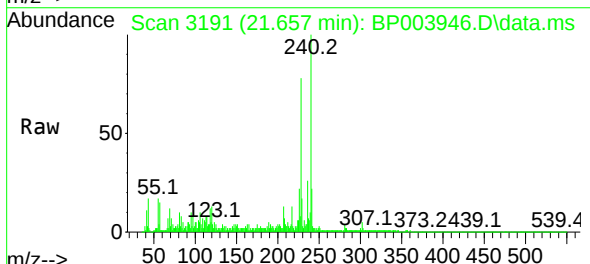
Manual Integrations
APPROVED

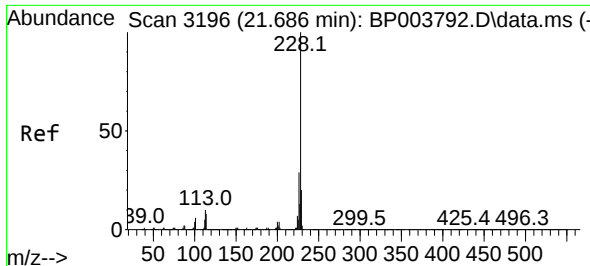
mohammad
11/18/2020 1:55:16 PM



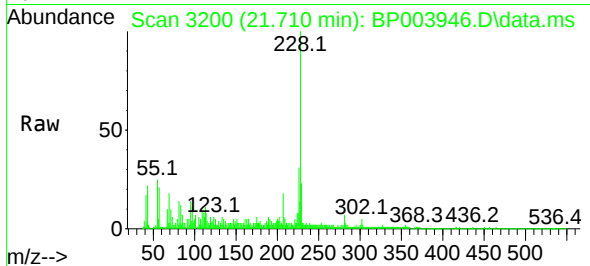
#81
Benzo(a)anthracene
Concen: 3.31 ng
RT: 21.657 min Scan# 3191
Delta R.T. -0.000 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24

Tgt Ion:228 Resp: 137975
Ion Ratio Lower Upper
228 100
226 28.3 22.1 33.1
229 22.5 15.9 23.9

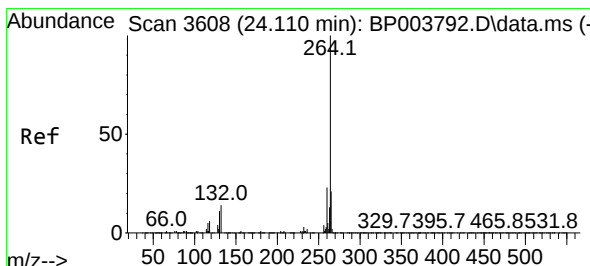
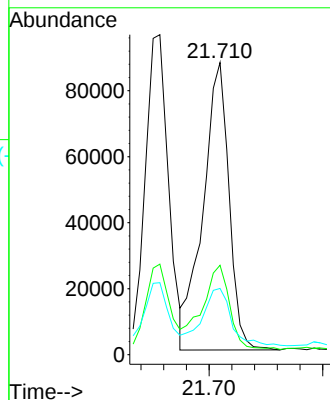
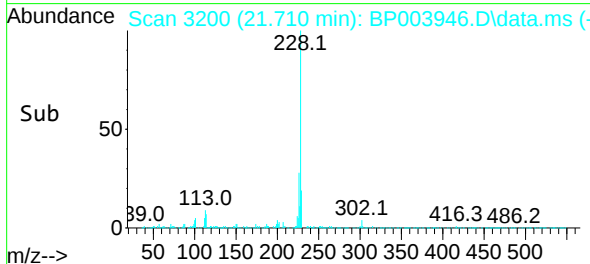




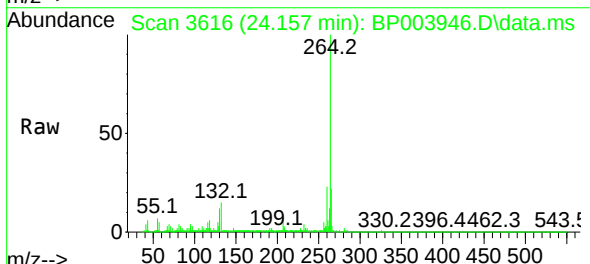
#83
Chrysene
Concen: 3.46 ng
RT: 21.710 min Scan# 3200
Delta R.T. -0.006 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24



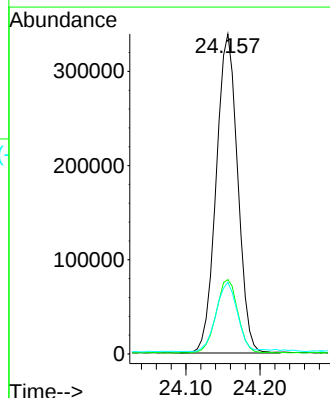
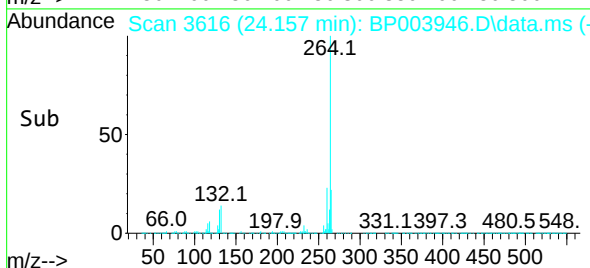
Tgt Ion:228 Resp: 138300
Ion Ratio Lower Upper
228 100
226 30.6 24.4 36.6
229 22.7 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 24.157 min Scan# 3616
Delta R.T. -0.000 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24



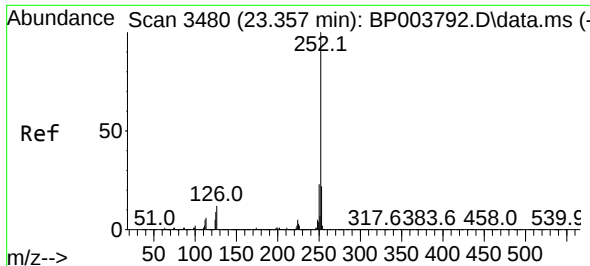
Tgt Ion:264 Resp: 681154
Ion Ratio Lower Upper
264 100
260 23.3 18.8 28.2
265 22.4 17.4 26.2



Instrument :
BNA_P
ClientSampled :
KL-SOIL

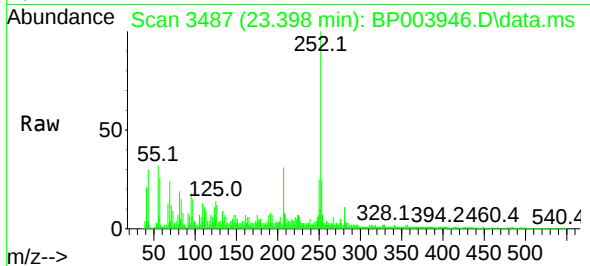
Manual Integrations
APPROVED

mohammad
11/18/2020 1:55:16 PM



#88
Benzo(b)fluoranthene
Concen: 4.16 ng m
RT: 23.398 min Scan# 3487
Delta R.T. -0.006 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24

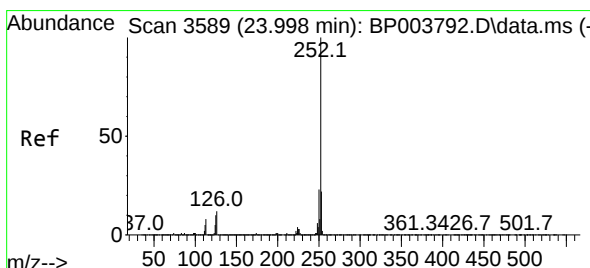
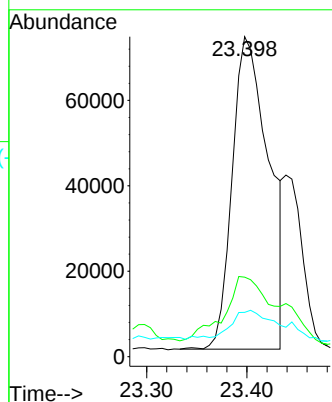
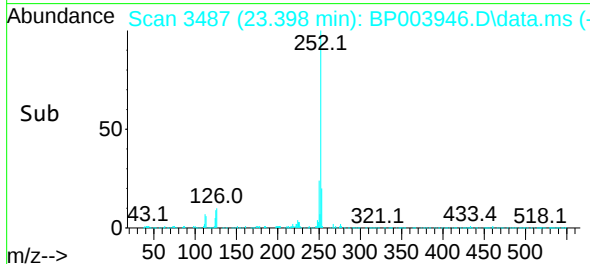
Instrument :
BNA_P
ClientSampled :
KL-SOIL



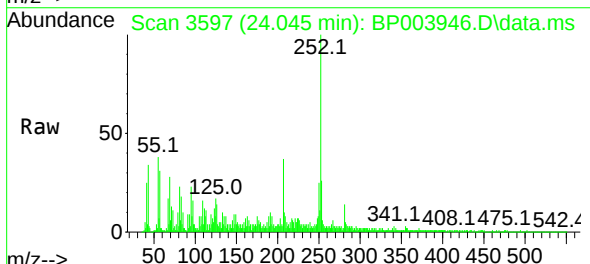
Tgt Ion:252 Resp: 185292
Ion Ratio Lower Upper
252 100
253 24.8 17.6 26.4
125 13.8 7.3 10.9#

Manual Integrations
APPROVED

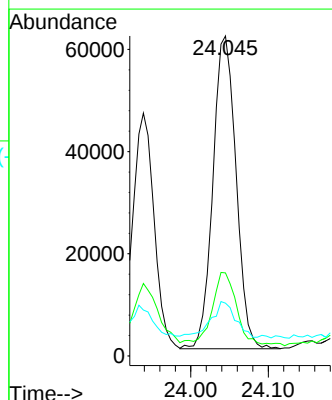
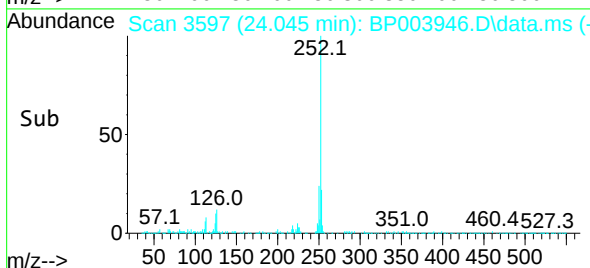
mohammad
11/18/2020 1:55:16 PM

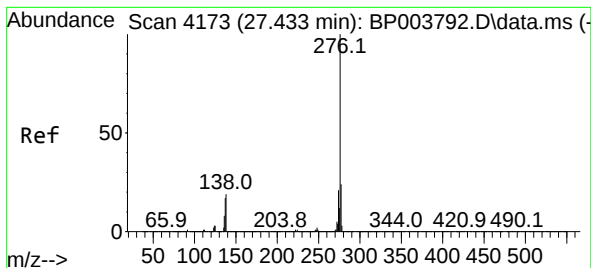


#90
Benzo(a)pyrene
Concen: 3.08 ng
RT: 24.045 min Scan# 3597
Delta R.T. -0.006 min
Lab File: BP003946.D
Acq: 12 Nov 2020 19:24



Tgt Ion:252 Resp: 127144
Ion Ratio Lower Upper
252 100
253 26.0 17.4 26.0
125 16.5 8.2 12.4#





#92

Benzo(g,h,i)perylene

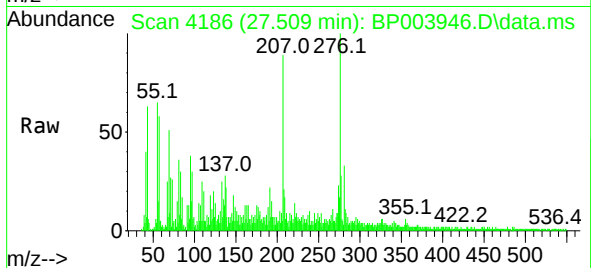
Concen: 2.17 ng

RT: 27.509 min Scan# 4186

Delta R.T. -0.012 min

Lab File: BP003946.D

Acq: 12 Nov 2020 19:24



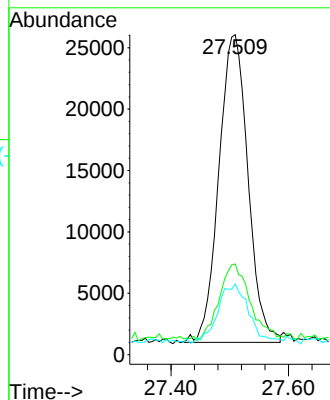
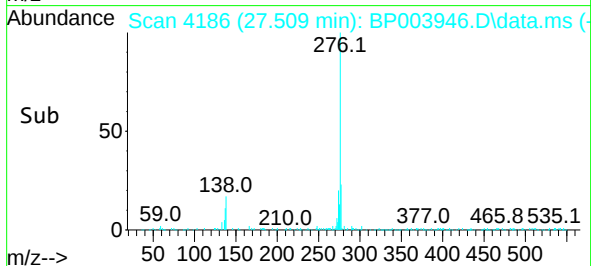
Tgt Ion: 276 Resp: 86173

Ion Ratio Lower Upper

276 100

277 28.4 19.0 28.6

138 22.1 16.6 24.8



Instrument :

BNA_P

ClientSampleId :

KL-SOIL

Manual Integrations

APPROVED

mohammad

11/18/2020 1:55:16 PM