

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN041420\
 Data File : BN010499.D
 Acq On : 15 Apr 2020 04:06
 Operator : CG/JU
 Sample : L2017-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 50

Instrument :
 BNA_N
 ClientSampleId :
 FE-SB-29-(5.5-6)

Manual Integrations
 APPROVED

mohammad
 4/16/2020 12:52:02 PM

Quant Time: Apr 16 04:29:01 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 13 18:04:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	183607	20.00	ng	0.00
7) Naphthalene-d8	10.35	136	791539	20.00	ng	-0.01
13) Acenaphthene-d10	14.23	164	534459	20.00	ng	0.00
19) Phenanthrene-d10	16.97	188	1272103	20.00	ng	-0.01
27) Chrysene-d12	21.18	240	1431796	20.00	ng	-0.01
34) Perylene-d12	23.35	264	1243809	20.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	925282	115.06	ng	0.00
5) Phenol-d6	6.79	99	1248587	118.81	ng	0.00
8) Nitrobenzene-d5	8.73	82	794301	71.77	ng	-0.01
11) 2-Methylnaphthalene-d10	0.00	152	0d	0.00	ng	
14) 2,4,6-Tribromophenol	15.72	330	663101	131.61	ng	0.00
15) 2-Fluorobiphenyl	12.85	172	2260345	58.11	ng	0.00
25) Fluoranthene-d10	0.00	212	0d	0.00	ng	
29) Terphenyl-d14	19.63	244	3331598	50.83	ng	0.00
Target Compounds						
16) Acenaphthylene	13.94	152	2433	0.053	ng	Qvalue 97
23) Phenanthrene	17.01	178	8212m	0.120	ng	
24) Anthracene	17.11	178	2977	0.047	ng	98
26) Fluoranthene	19.04	202	36849	0.431	ng	100
28) Pyrene	19.40	202	35076	0.364	ng	97
30) Benzo(a)anthracene	21.16	228	28709	0.307	ng	97
31) Chrysene	21.21	228	18709	0.201	ng	98
32) Bis(2-ethylhexyl)phthalate	21.11	149	2116	0.044	ng	96
33) Indeno(1,2,3-cd)pyrene	25.49	276	11876	0.144	ng	99
35) Benzo(b)fluoranthene	22.70	252	28122	0.343	ng	97
36) Benzo(k)fluoranthene	22.74	252	11620m	0.142	ng	
37) Benzo(a)pyrene	23.25	252	19705	0.272	ng	# 97
38) Dibenzo(a,h)anthracene	25.50	278	3219	0.049	ng	# 62
39) Benzo(g,h,i)perylene	26.14	276	11105	0.166	ng	98

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

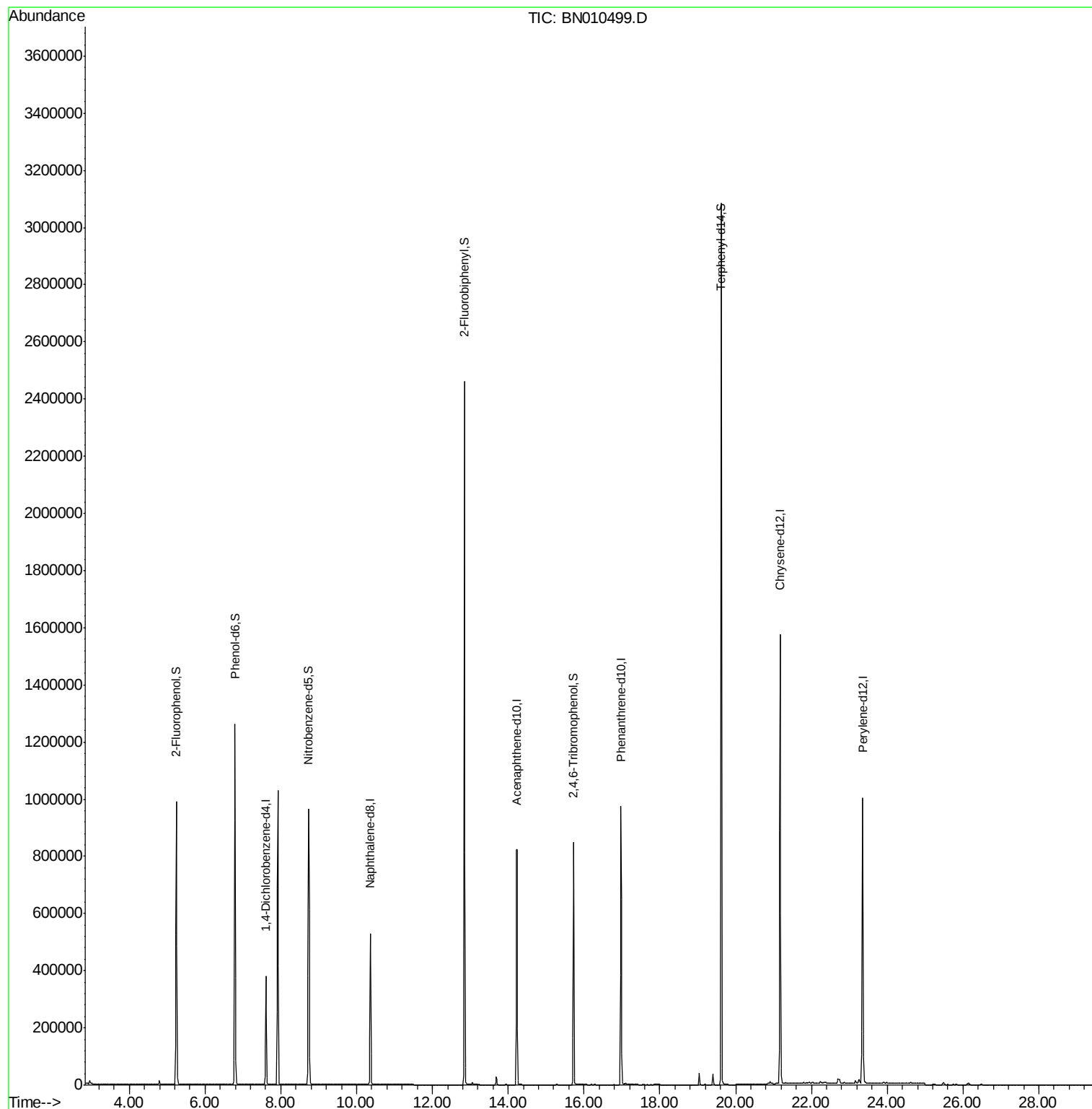
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN041420\
Data File : BN010499.D
Acq On : 15 Apr 2020 04:06
Operator : CG/JU
Sample : L2017-03
Misc :
ALS Vial : 21 Sample Multiplier: 50

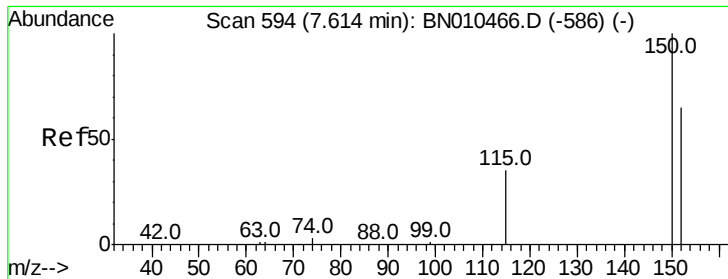
Instrument :
BNA_N
ClientSampleId :
FE-SB-29-(5.5-6)

Manual Integrations
APPROVED

mohammad
4/16/2020 12:52:02 PM

Quant Time: Apr 16 04:29:01 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 13 18:04:22 2020
Response via : Initial Calibration





#1

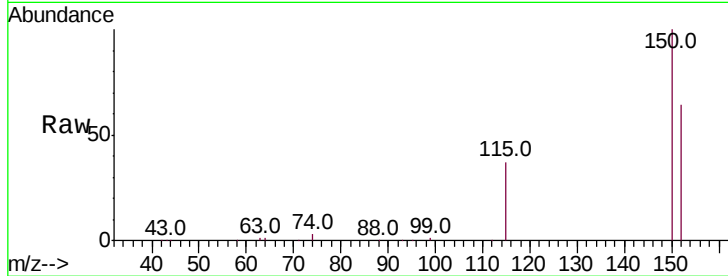
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.61 min Scan# 593
Delta R.T. -0.01 min
Lab File: BN010499.D
Acq: 15 Apr 2020 04:06

Instrument :
BNA_N
ClientSampleId :
FE-SB-29-(5.5-6)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	121.8	182.6
115	56.7	45.5	68.3

Manual Integrations
APPROVED

mohammad
4/16/2020 12:52:02 PM

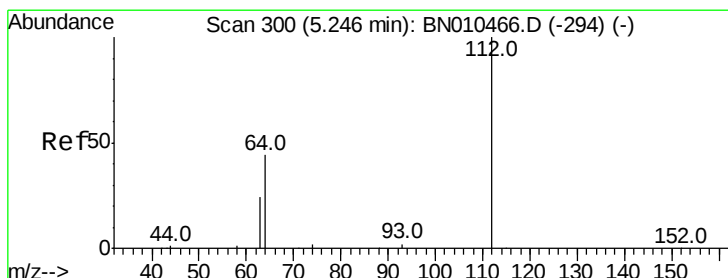
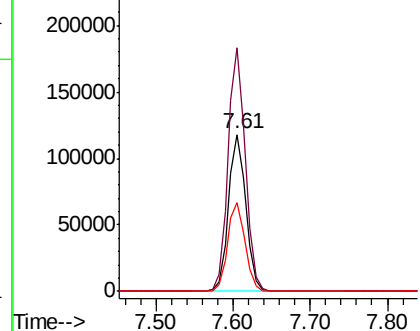
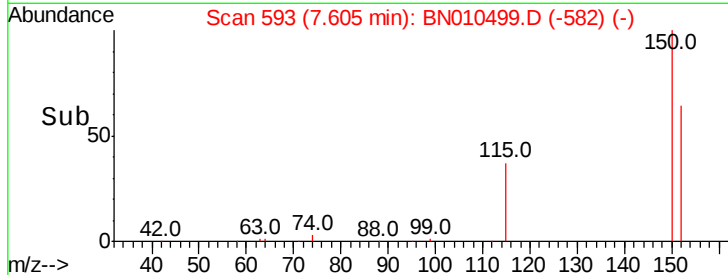


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

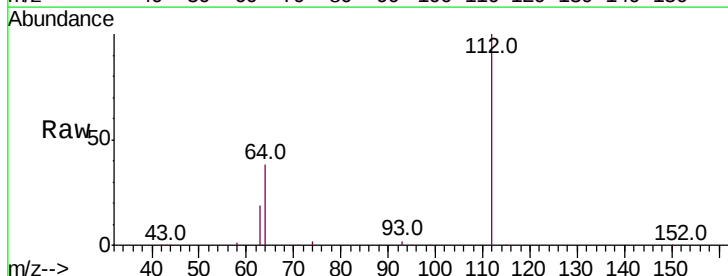
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 115.056 ng
RT: 5.25 min Scan# 300
Delta R.T. -0.00 min
Lab File: BN010499.D
Acq: 15 Apr 2020 04:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	45.0	35.8	53.8
63	23.8	19.9	29.9

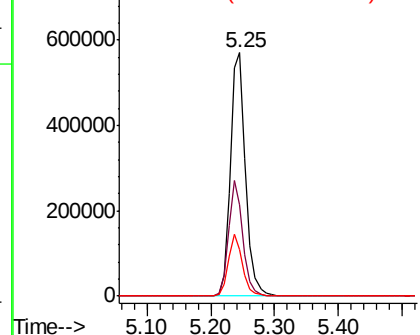
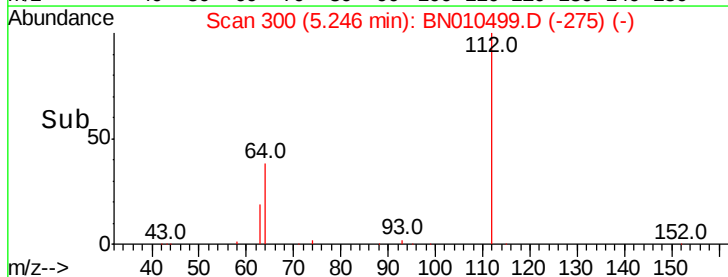


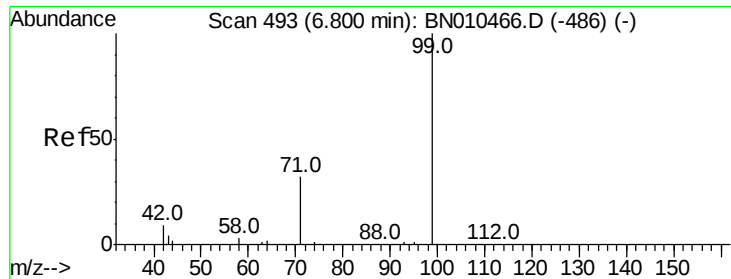
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 118.813 ng

RT: 6.79 min Scan# 492

Delta R.T. -0.01 min

Lab File: BN010499.D

Acq: 15 Apr 2020 04:06

Instrument :

BNA_N

ClientSampleId :

FE-SB-29-(5.5-6)

Tot Ion: 99 Resp: 1248587

Ion Ratio Lower Upper

99 100

42 11.3 9.8 14.6

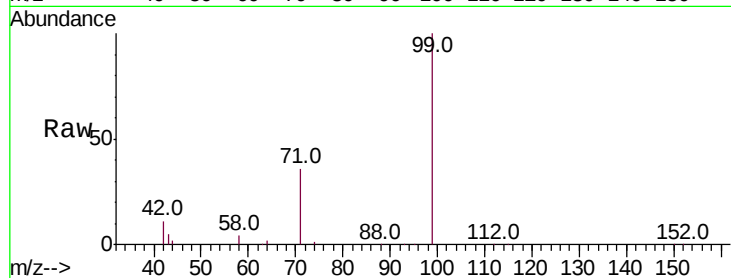
71 35.0 27.8 41.8

Manual Integrations

APPROVED

mohammad

4/16/2020 12:52:02 PM

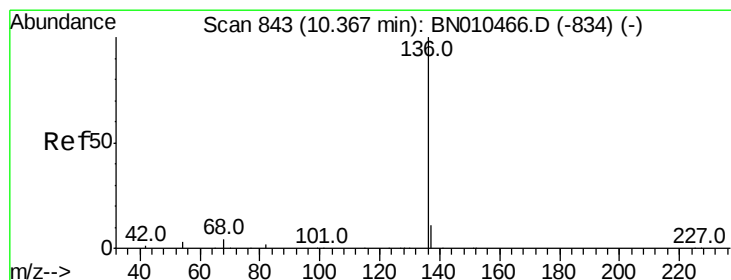
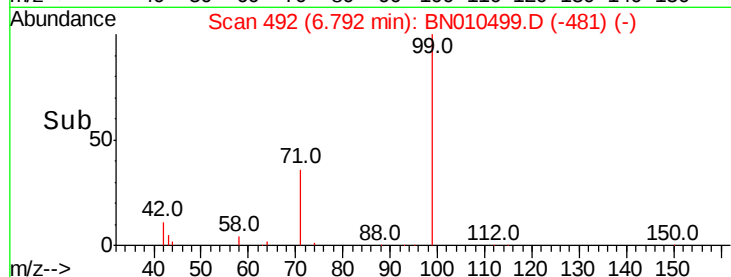
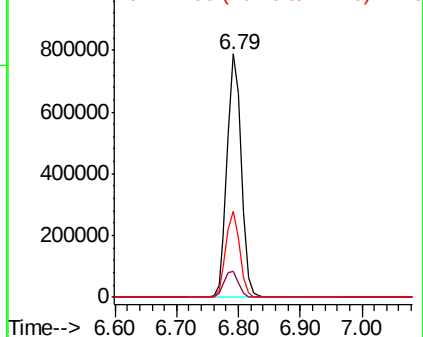


Abundance

Ion 99.00 (98.70 to 99.70): BN010466.D (-486) (-)

Ion 42.00 (41.70 to 42.70): BN010466.D (-486) (-)

Ion 71.00 (70.70 to 71.70): BN010466.D (-486) (-)



#7

Naphthalene-d8

Concen: 20.000 ng

RT: 10.35 min Scan# 842

Delta R.T. -0.01 min

Lab File: BN010499.D

Acq: 15 Apr 2020 04:06

Tgt Ion: 136 Resp: 791539

Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 4.8 2.6 4.0#

68 5.7 3.4 5.2#

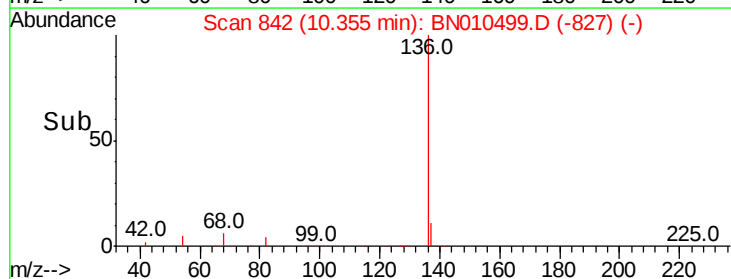
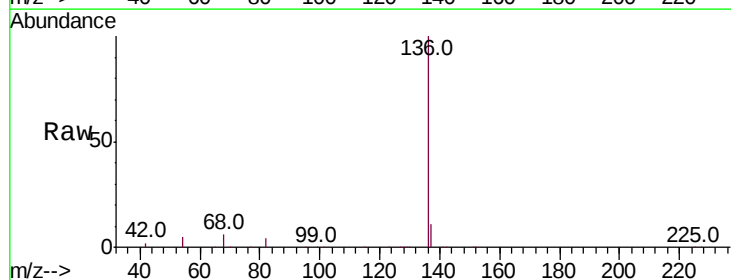
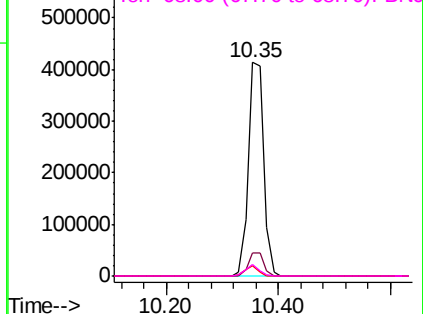
Abundance

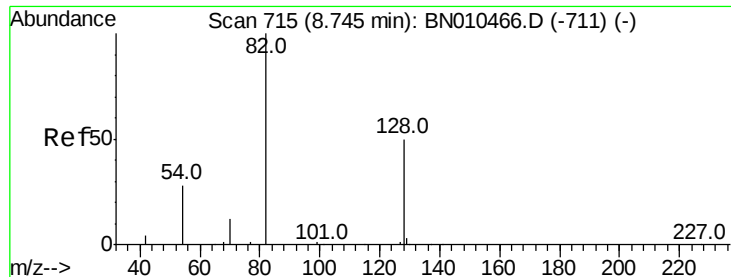
Ion 136.00 (135.70 to 136.70): BN010466.D (-834) (-)

Ion 137.00 (136.70 to 137.70): BN010466.D (-834) (-)

Ion 54.00 (53.70 to 54.70): BN010466.D (-834) (-)

Ion 68.00 (67.70 to 68.70): BN010466.D (-834) (-)





#8

Nitrobenzene-d5

Concen: 71.772 ng

RT: 8.73 min Scan# 714

Delta R.T. -0.01 min

Lab File: BN010499.D

Acq: 15 Apr 2020 04:06

Instrument :

BNA_N

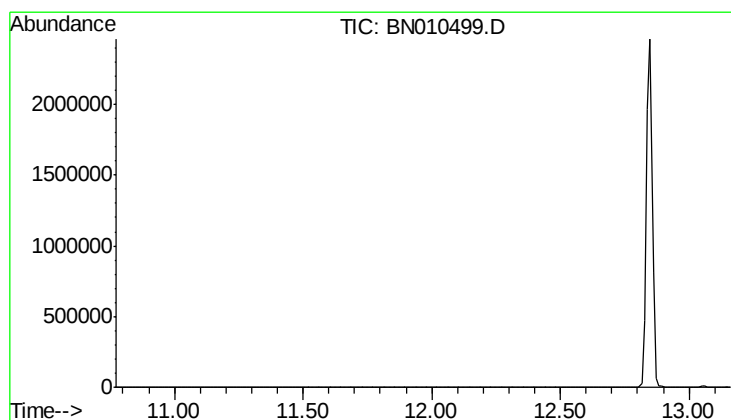
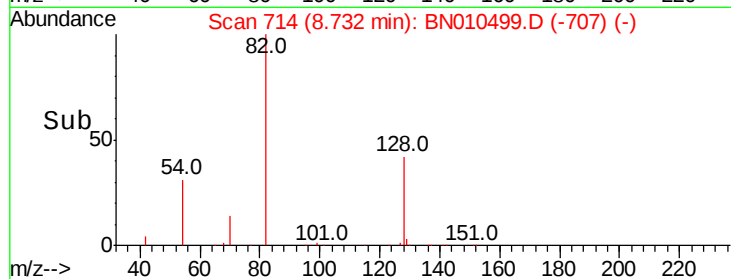
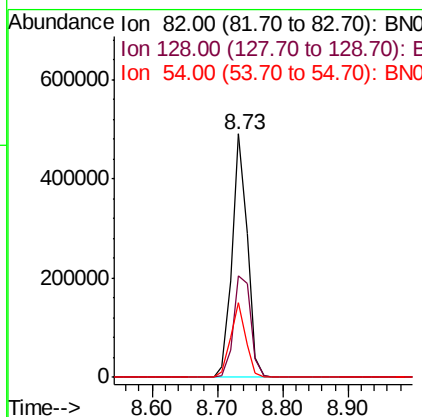
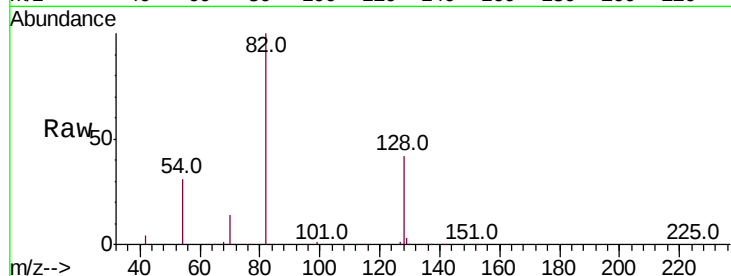
ClientSampleId :

FE-SB-29-(5.5-6)

Tot Ion	Ion	Ratio	Lower	Upper
82	100			
128	41.8	41.3	61.9	
54	30.7	23.4	35.0	

Manual Integrations
APPROVED

mohammad
4/16/2020 12:52:02 PM



#11

2-Methylnaphthalene-d10

Concen: 0.000 ng

Expected RT: 11.96 min

Lab File: BN010499.D

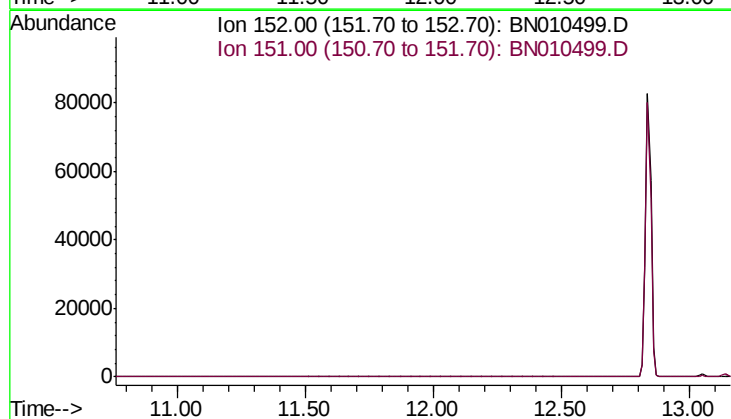
Acq: 15 Apr 2020 04:06

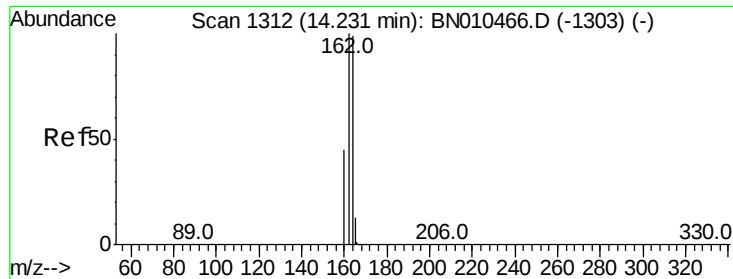
Tgt Ion: 152

Sig Exp Ratio

152 100

151 19.1





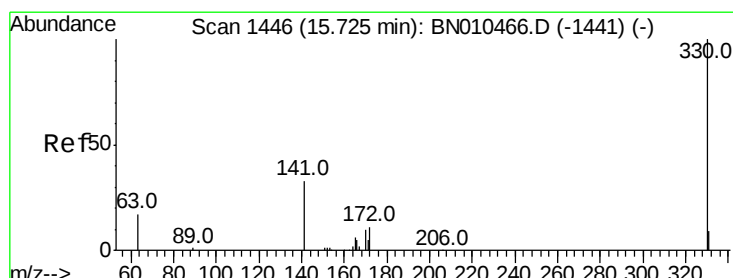
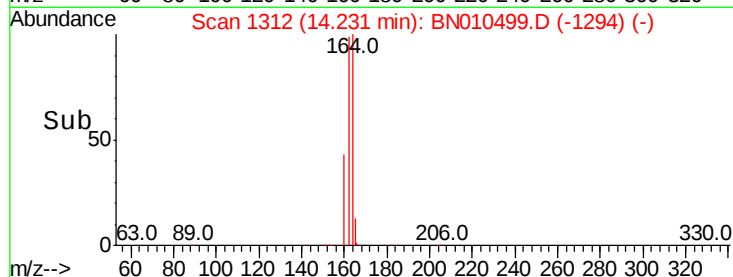
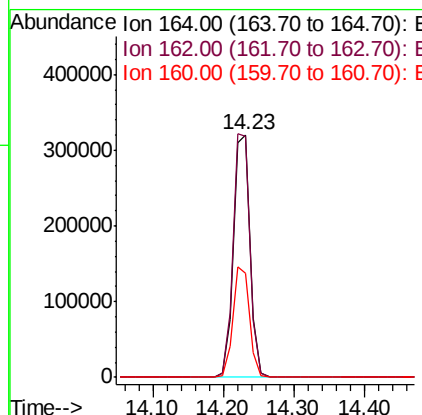
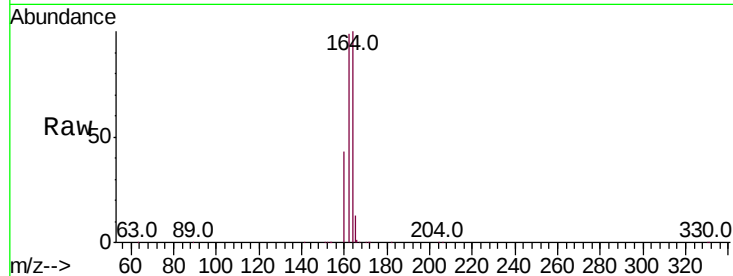
#13
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.23 min Scan# 1312
Delta R.T. -0.00 min
Lab File: BN010499.D
Acq: 15 Apr 2020 04:06

Instrument :
BNA_N
ClientSampleId :
FE-SB-29-(5.5-6)

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.4	80.6	121.0
160	42.8	36.5	54.7

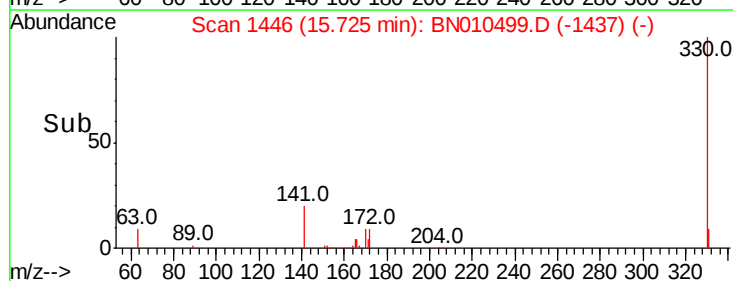
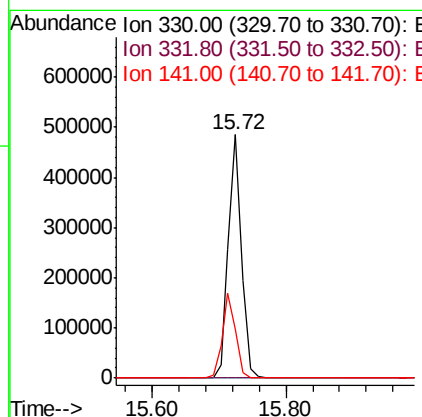
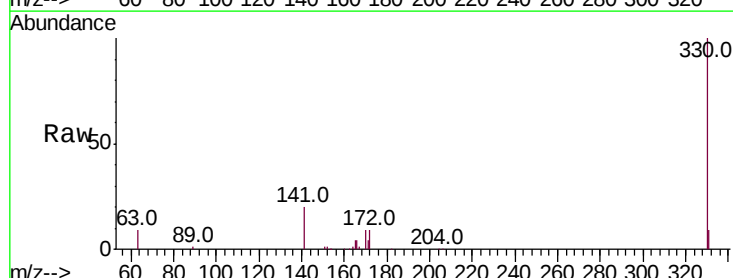
Manual Integrations
APPROVED

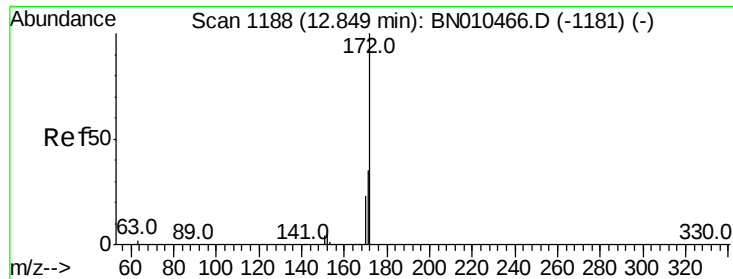
mohammad
4/16/2020 12:52:02 PM



#14
2,4,6-Tribromophenol
Concen: 131.613 ng
RT: 15.72 min Scan# 1446
Delta R.T. -0.00 min
Lab File: BN010499.D
Acq: 15 Apr 2020 04:06

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	35.6	28.1	42.1





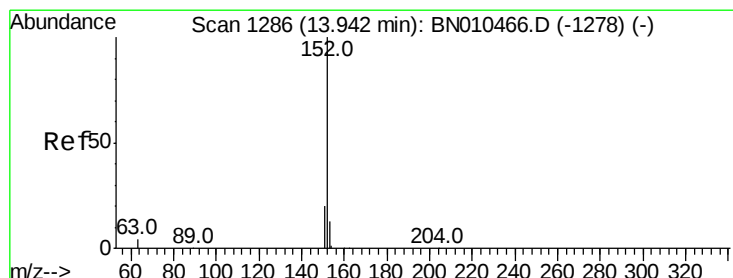
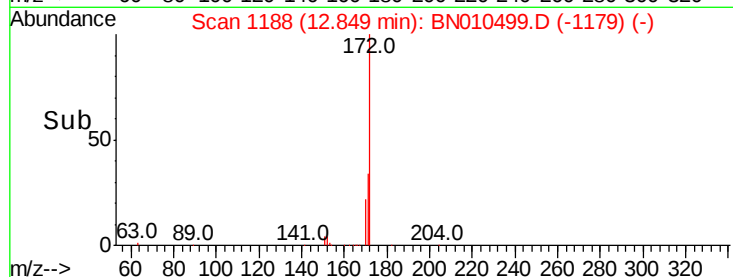
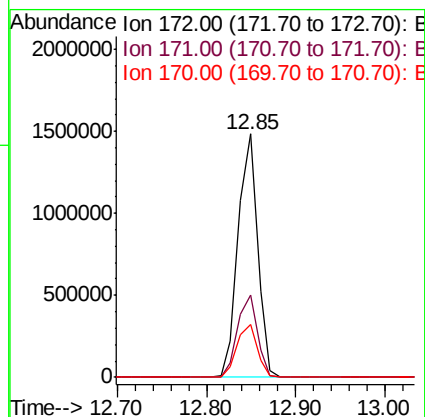
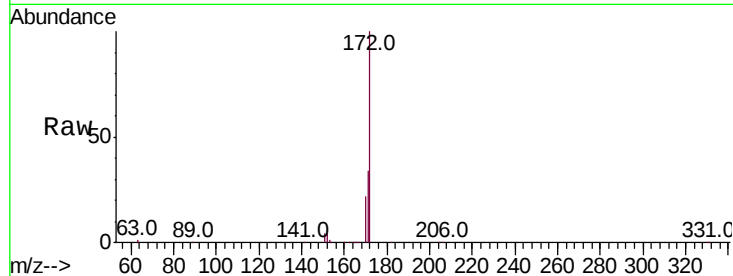
#15
2-Fluorobiphenyl
Concen: 58.108 ng
RT: 12.85 min Scan# 1188
Delta R.T. -0.00 min
Lab File: BN010499.D
Acq: 15 Apr 2020 04:06

Instrument :
BNA_N
ClientSampled :
FE-SB-29-(5.5-6)

Tot Ion	Ratio	Lower	Upper
172	100		
171	33.8	28.2	42.2
170	21.5	18.4	27.6

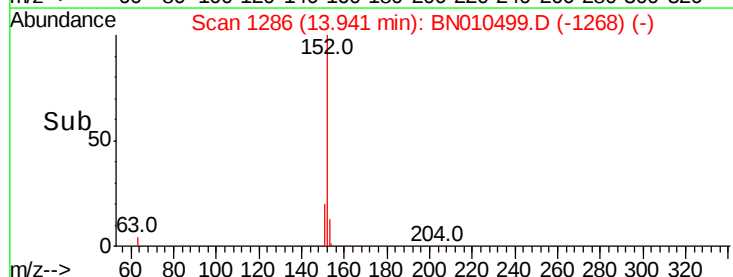
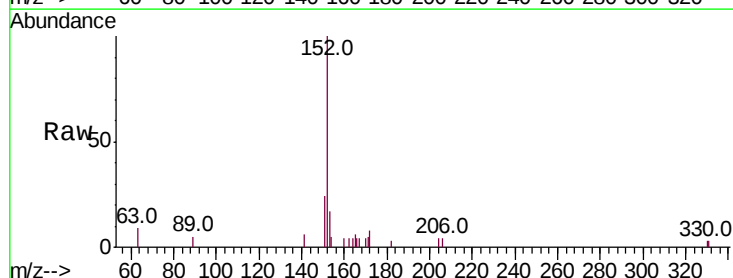
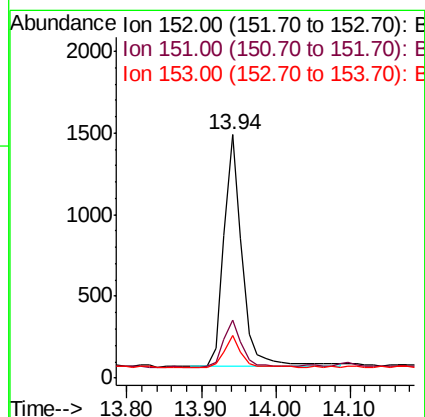
Manual Integrations
APPROVED

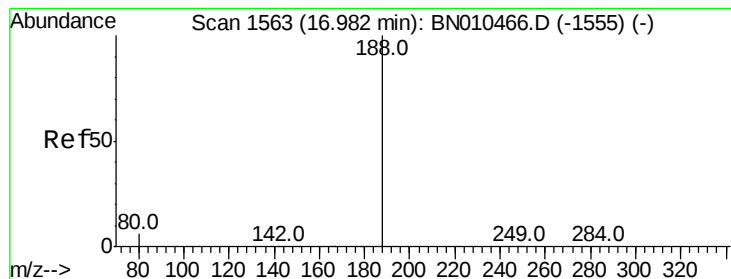
mohammad
4/16/2020 12:52:02 PM



#16
Acenaphthylene
Concen: 0.053 ng
RT: 13.94 min Scan# 1286
Delta R.T. -0.00 min
Lab File: BN010499.D
Acq: 15 Apr 2020 04:06

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.1	15.7	23.5
153	13.9	10.6	15.8





#19

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.97 min Scan# 1562

Delta R.T. -0.01 min

Lab File: BN010499.D

Acq: 15 Apr 2020 04:06

Instrument :

BNA_N

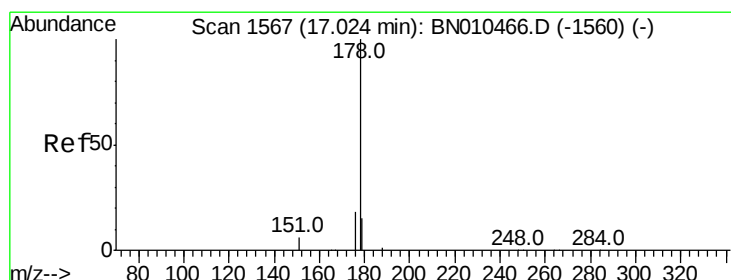
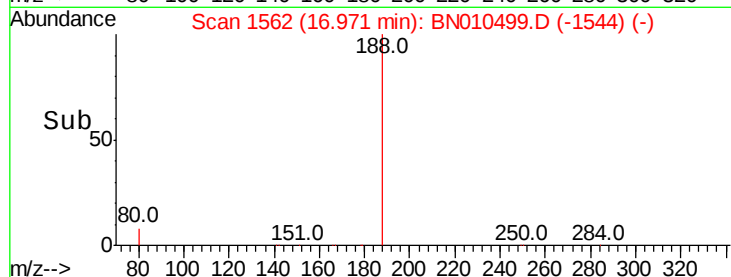
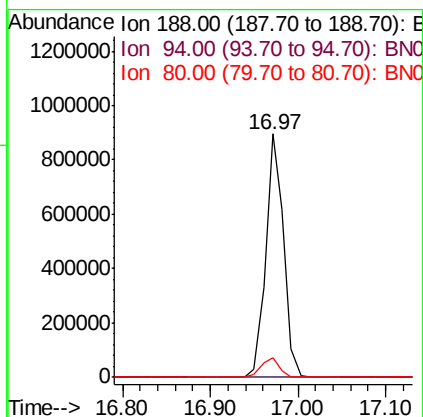
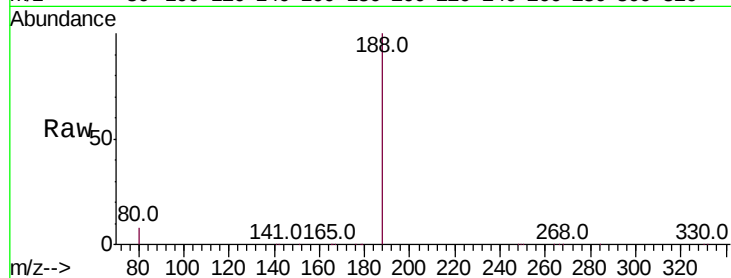
ClientSampleId :

FE-SB-29-(5.5-6)

Tot Ion:	188	Resp:	1272103
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	8.2	5.0	7.6#

Manual Integrations
APPROVED

mohammad
4/16/2020 12:52:02 PM



#23

Phenanthrene

Concen: 0.120 ng m

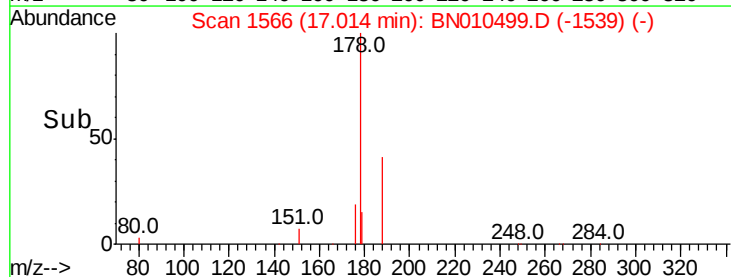
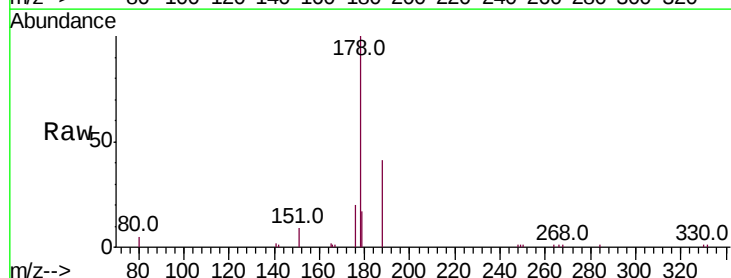
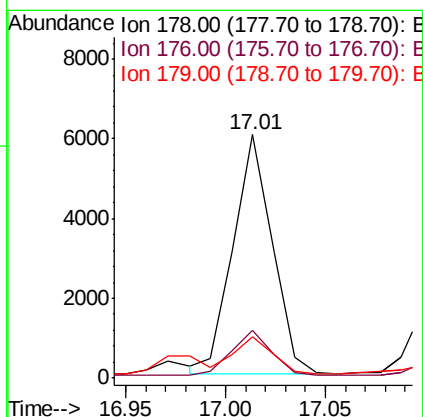
RT: 17.01 min Scan# 1566

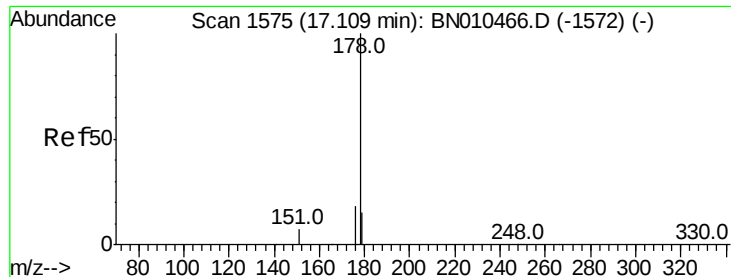
Delta R.T. -0.01 min

Lab File: BN010499.D

Acq: 15 Apr 2020 04:06

Tgt Ion:	178	Resp:	8212
Ion Ratio	Lower	Upper	
178	100		
176	6.8	15.0	22.4#
179	6.4	12.6	18.8#





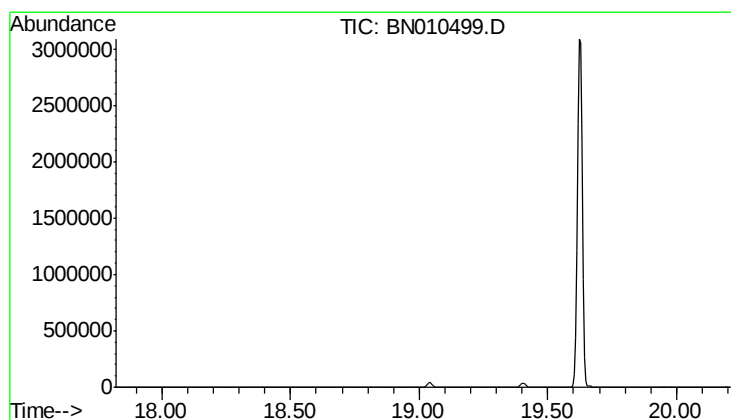
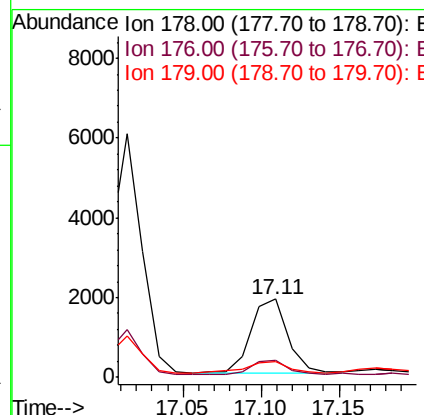
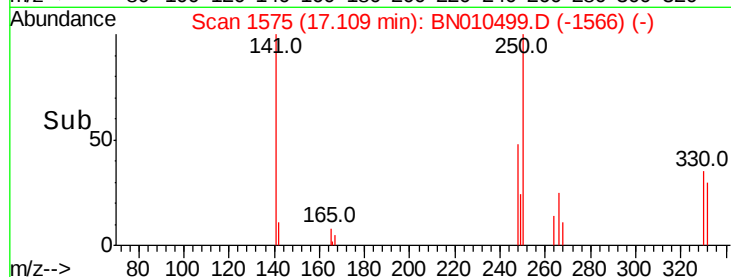
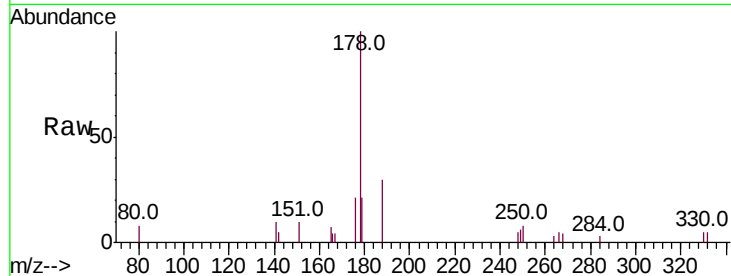
#24
 Anthracene
 Concen: 0.047 ng
 RT: 17.11 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: BN010499.D
 Acq: 15 Apr 2020 04:06

Instrument :
 BNA_N
 ClientSampleId :
 FE-SB-29-(5.5-6)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.6	21.8
179	16.8	12.2	18.2

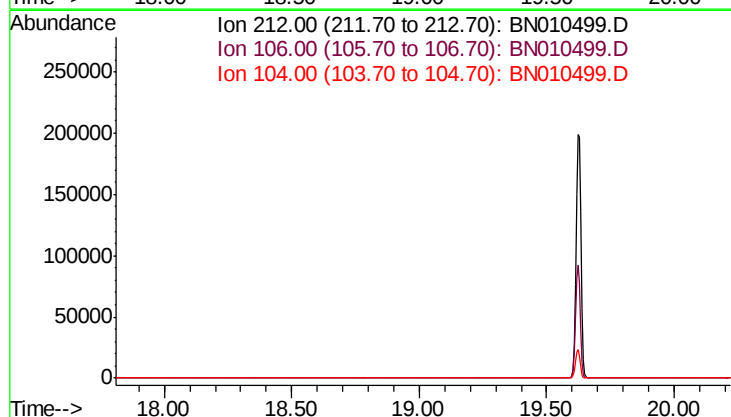
Manual Integrations
 APPROVED

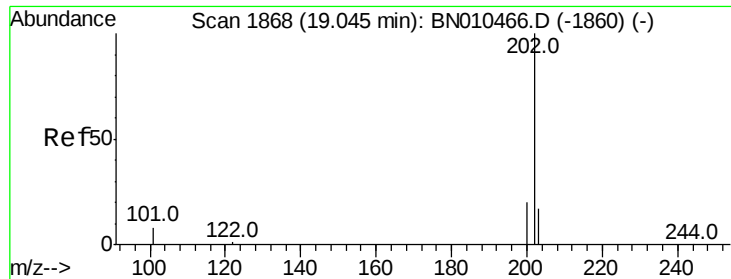
mohammad
 4/16/2020 12:52:02 PM



#25
 Fluoranthene-d10
 Concen: 0.000 ng
 Expected RT: 19.02 min
 Lab File: BN010499.D
 Acq: 15 Apr 2020 04:06

Tgt Ion	Exp Ratio
212	100
106	9.7
104	5.6





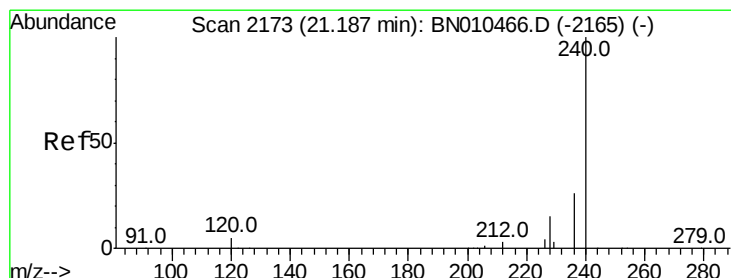
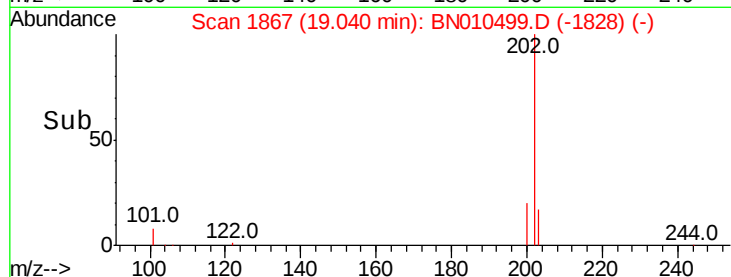
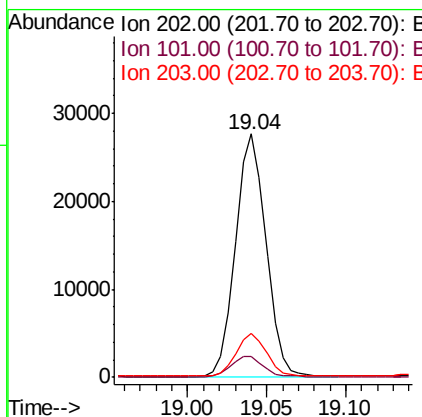
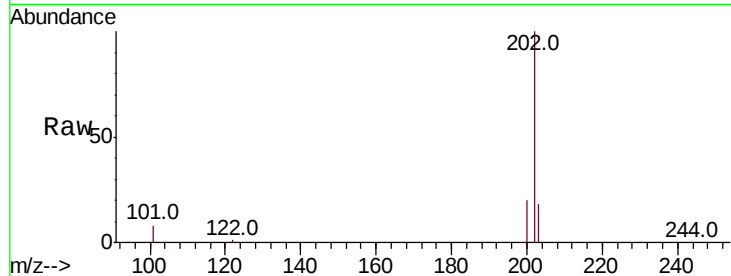
#26
Fluoranthene
Concen: 0.431 ng
RT: 19.04 min Scan# 1867
Delta R.T. -0.01 min
Lab File: BN010499.D
Acq: 15 Apr 2020 04:06

Instrument :
BNA_N
ClientSampled :
FE-SB-29-(5.5-6)

Tot Ion	Ratio	Lower	Upper
202	100		
101	8.6	6.9	10.3
203	17.6	13.9	20.9

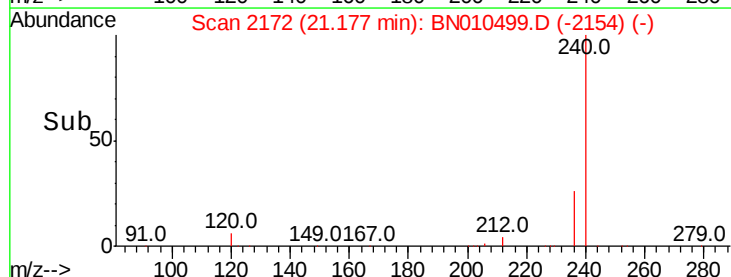
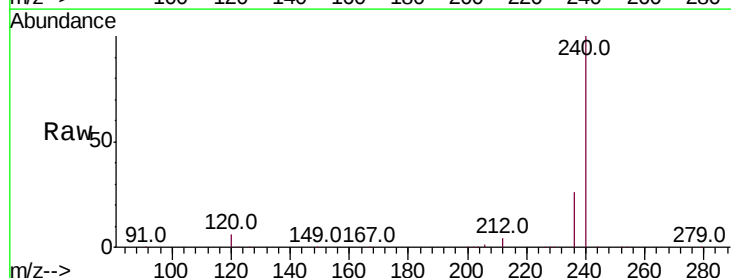
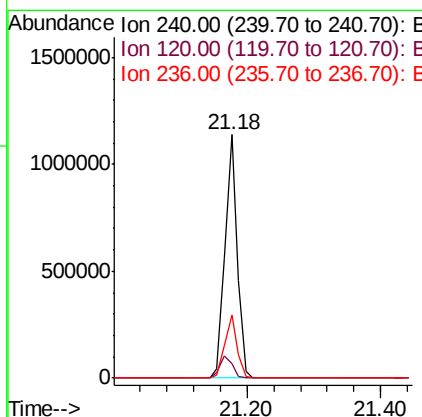
Manual Integrations
APPROVED

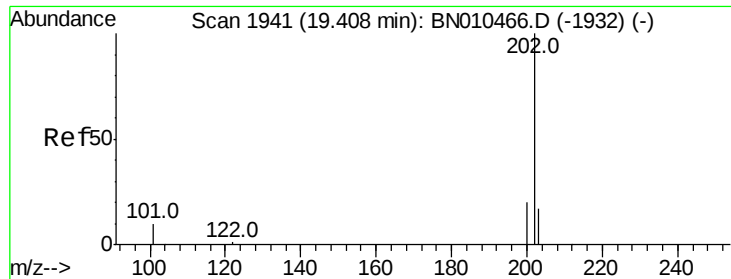
mohammad
4/16/2020 12:52:02 PM



#27
Chrysene-d12
Concen: 20.000 ng
RT: 21.18 min Scan# 2172
Delta R.T. -0.01 min
Lab File: BN010499.D
Acq: 15 Apr 2020 04:06

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.1	4.8	7.2
236	25.9	21.4	32.0





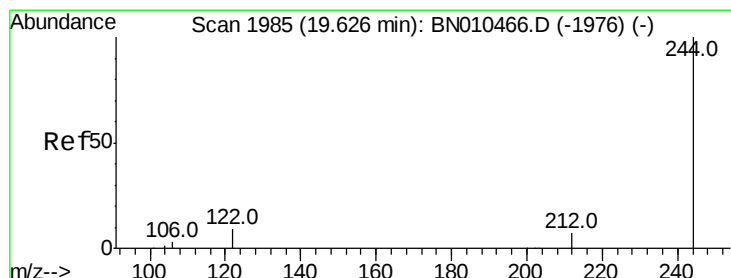
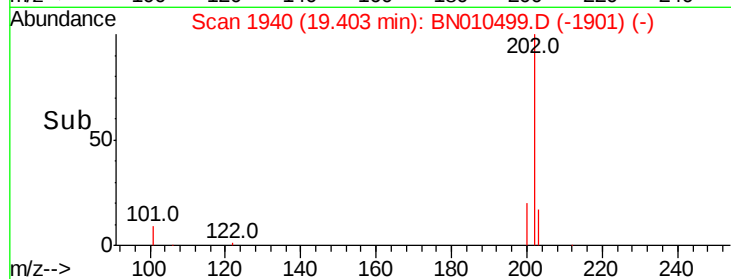
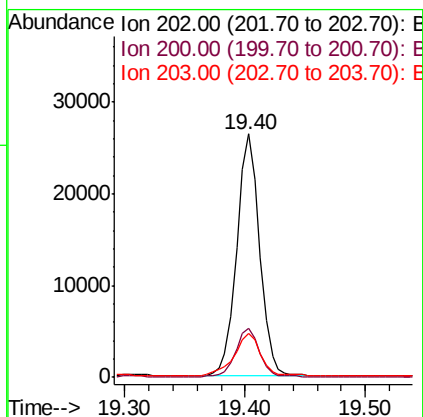
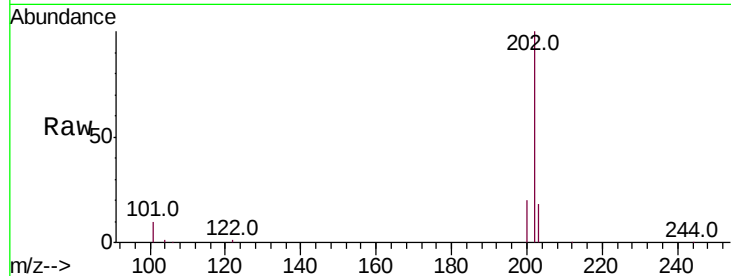
#28
Pvrene
Concen: 0.364 ng
RT: 19.40 min Scan# 1940
Delta R.T. -0.01 min
Lab File: BN010499.D
Acq: 15 Apr 2020 04:06

Instrument :
BNA_N
ClientSampleId :
FE-SB-29-(5.5-6)

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.3	24.5
203	20.4	14.0	21.0

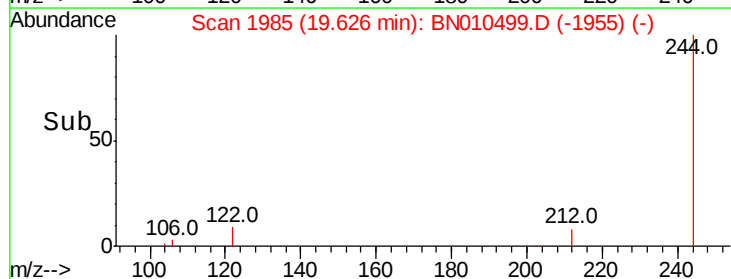
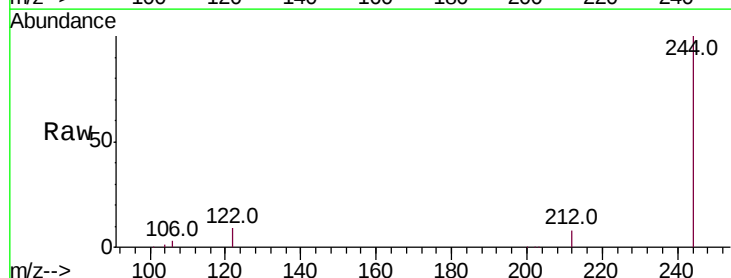
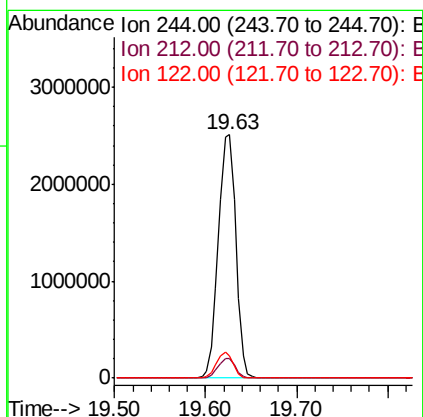
Manual Integrations
APPROVED

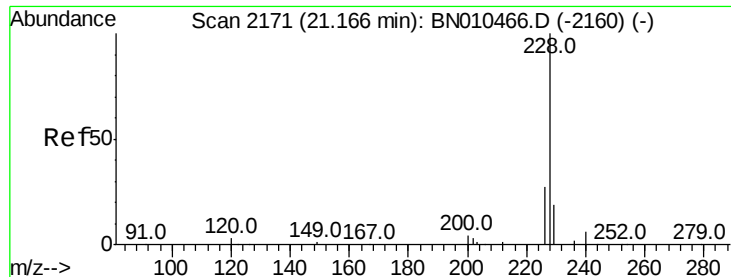
mohammad
4/16/2020 12:52:02 PM



#29
Terphenyl-d14
Concen: 50.834 ng
RT: 19.63 min Scan# 1985
Delta R.T. 0.00 min
Lab File: BN010499.D
Acq: 15 Apr 2020 04:06

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.2	9.4
122	9.3	7.8	11.8





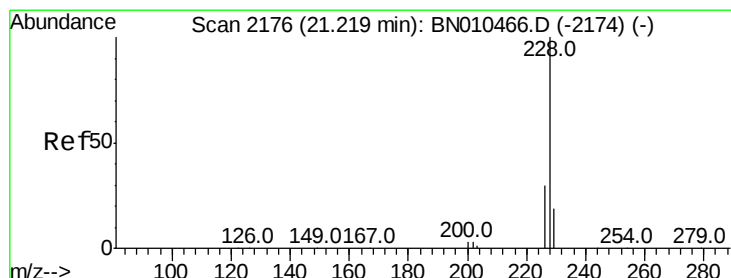
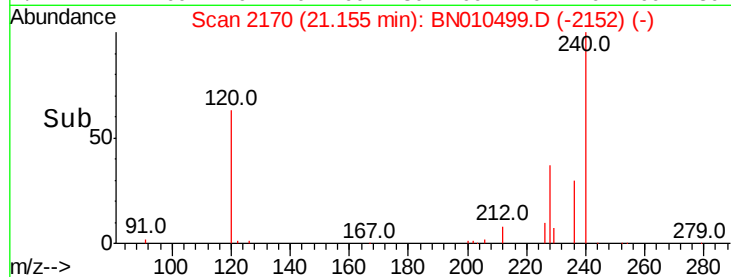
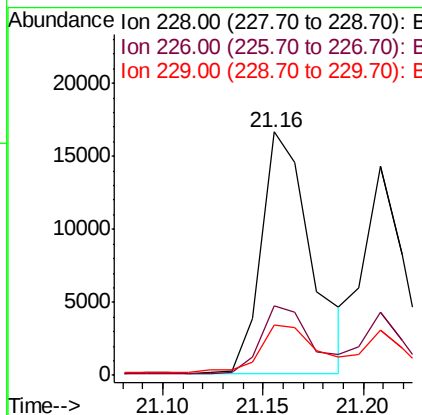
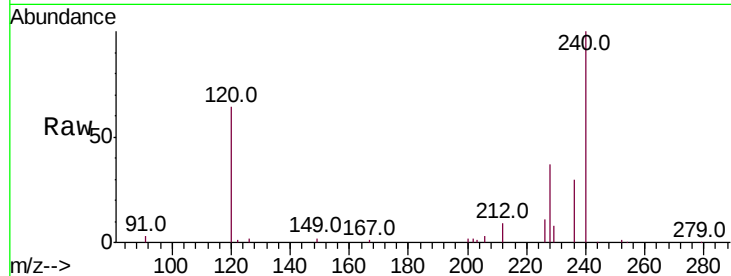
#30
Benzo(a)anthracene
Concen: 0.307 ng
RT: 21.16 min Scan# 2170
Delta R.T. -0.01 min
Lab File: BN010499.D
Acq: 15 Apr 2020 04:06

Instrument :
BNA_N
ClientSampleId :
FE-SB-29-(5.5-6)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	21.7	32.5
229	20.5	15.6	23.4

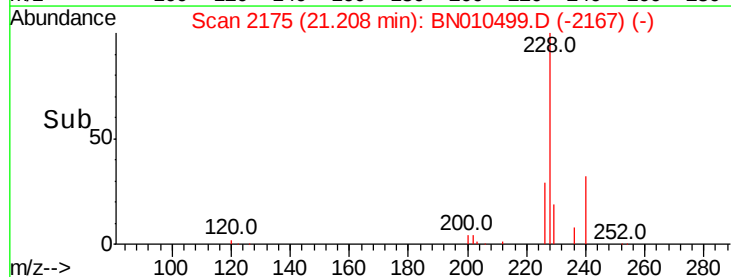
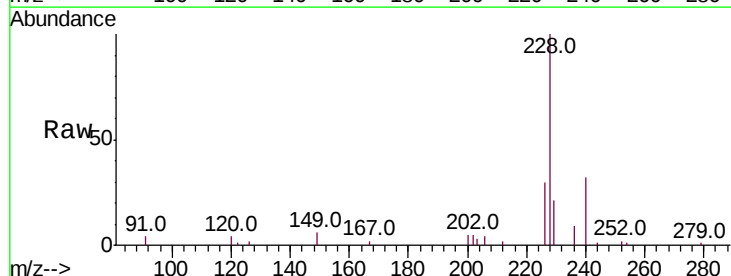
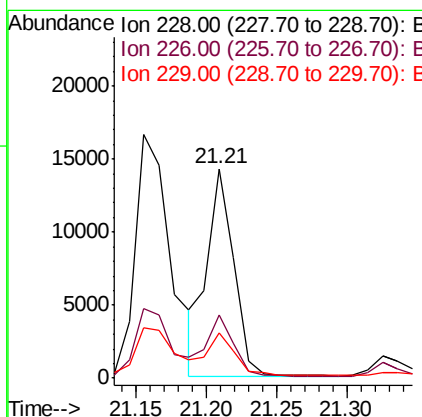
Manual Integrations
APPROVED

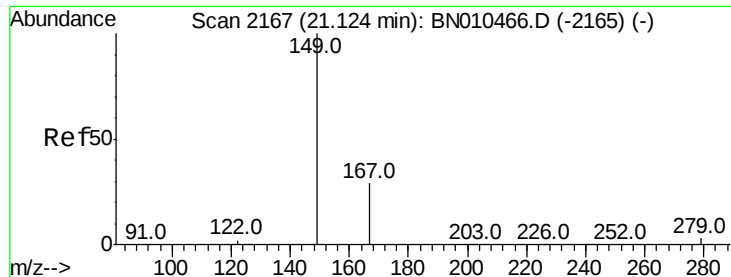
mohammad
4/16/2020 12:52:02 PM



#31
Chrysene
Concen: 0.201 ng
RT: 21.21 min Scan# 2175
Delta R.T. -0.01 min
Lab File: BN010499.D
Acq: 15 Apr 2020 04:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.0	36.0
229	21.4	15.8	23.6





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.044 ng

RT: 21.11 min Scan# 2166

Delta R.T. -0.01 min

Lab File: BN010499.D

Acq: 15 Apr 2020 04:06

Instrument :

BNA_N

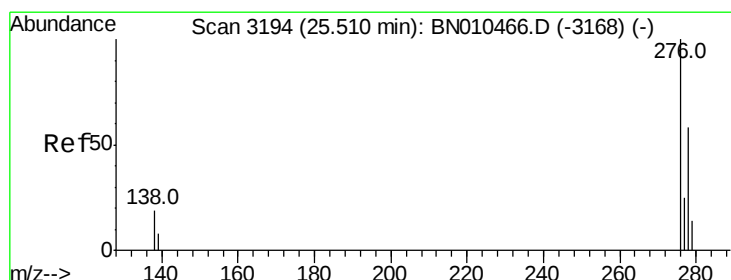
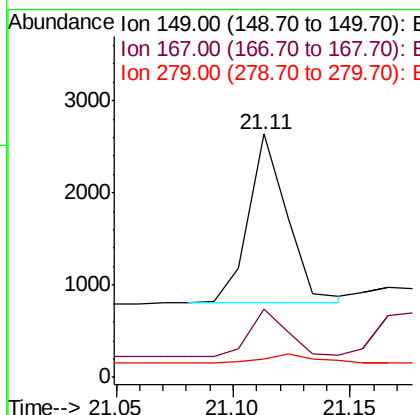
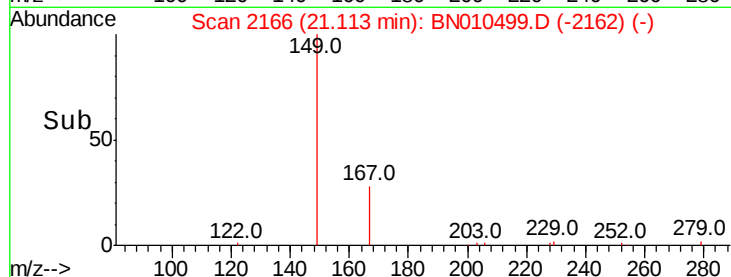
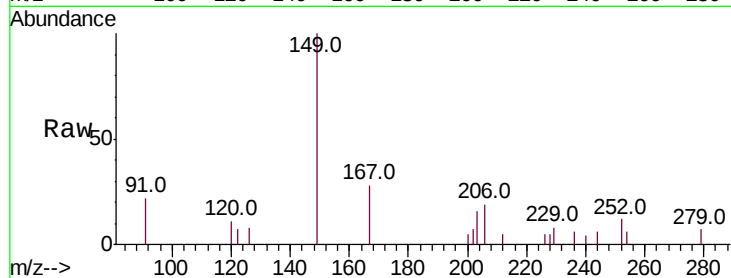
ClientSampleId :

FE-SB-29-(5.5-6)

Tot Ion:	149	Resp:	2116
Ion Ratio	Lower	Upper	
149	100		
167	27.1	23.4	35.0
279	6.0	4.0	6.0

Manual Integrations
APPROVED

mohammad
4/16/2020 12:52:02 PM



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.144 ng

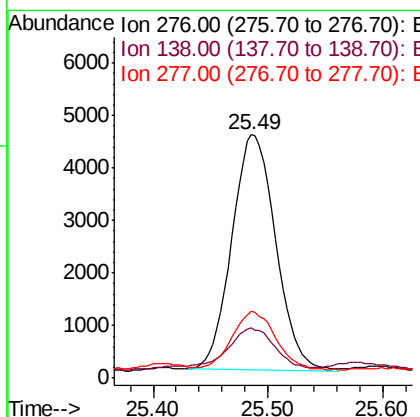
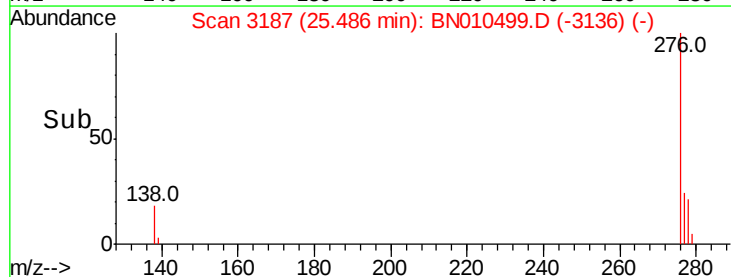
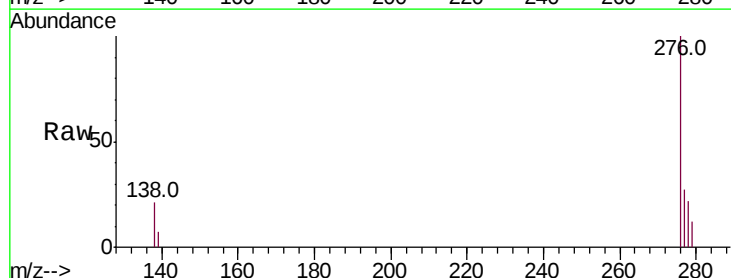
RT: 25.49 min Scan# 3187

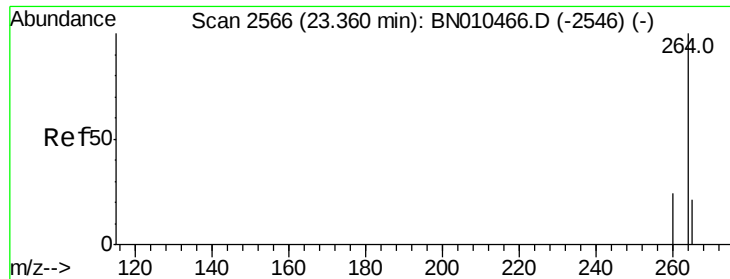
Delta R.T. -0.02 min

Lab File: BN010499.D

Acq: 15 Apr 2020 04:06

Tgt Ion:	276	Resp:	11876
Ion Ratio	Lower	Upper	
276	100		
138	19.7	16.4	24.6
277	24.7	19.8	29.6





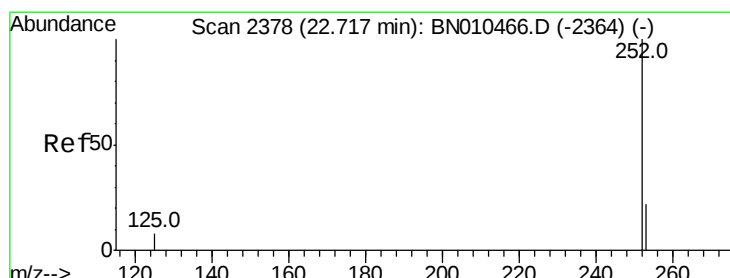
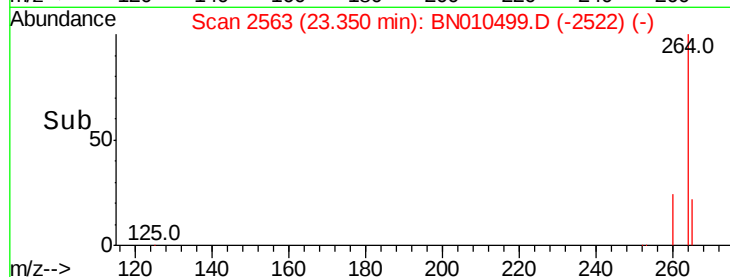
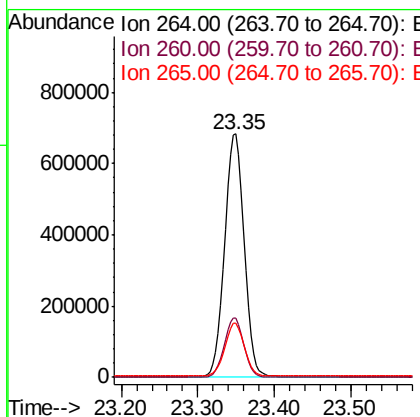
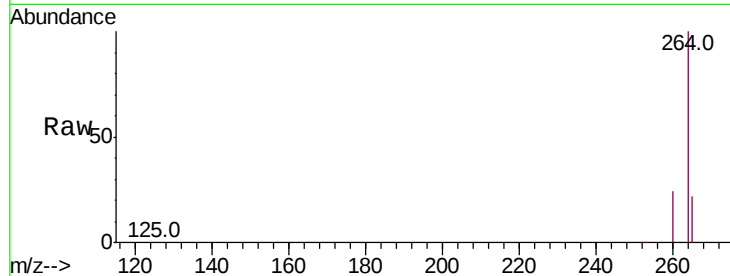
#34
Pervlene-d12
Concen: 20.000 ng
RT: 23.35 min Scan# 2563
Delta R.T. -0.01 min
Lab File: BN010499.D
Acq: 15 Apr 2020 04:06

Instrument :
BNA_N
ClientSampleId :
FE-SB-29-(5.5-6)

Tot Ion:264 Resp: 1243809
Ion Ratio Lower Upper
264 100
260 24.2 19.8 29.8
265 22.2 42.3 63.5#

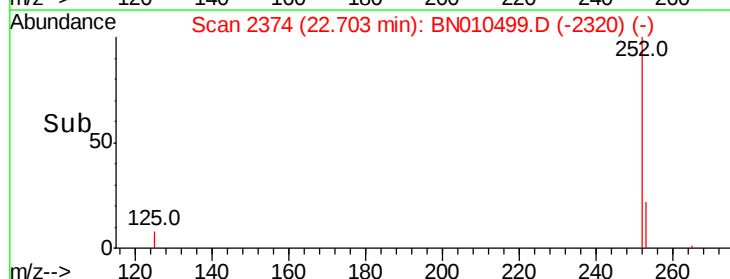
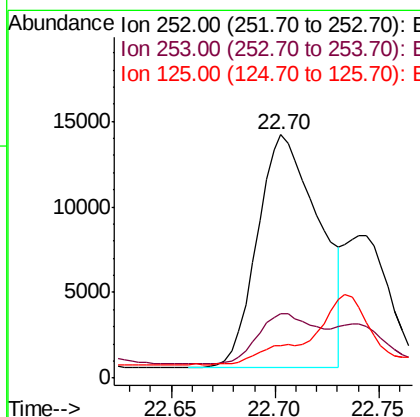
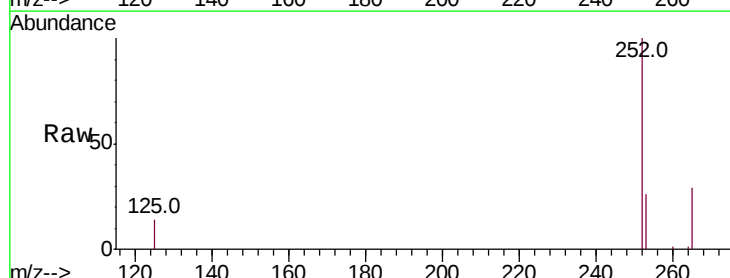
Manual Integrations
APPROVED

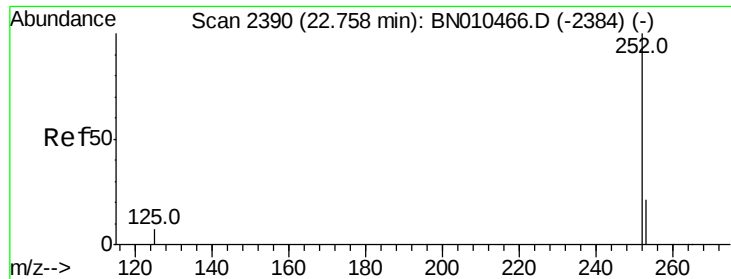
mohammad
4/16/2020 12:52:02 PM



#35
Benzo(b)fluoranthene
Concen: 0.343 ng
RT: 22.70 min Scan# 2374
Delta R.T. -0.01 min
Lab File: BN010499.D
Acq: 15 Apr 2020 04:06

Tgt Ion:252 Resp: 28122
Ion Ratio Lower Upper
252 100
253 26.3 20.2 30.4
125 13.6 9.2 13.8





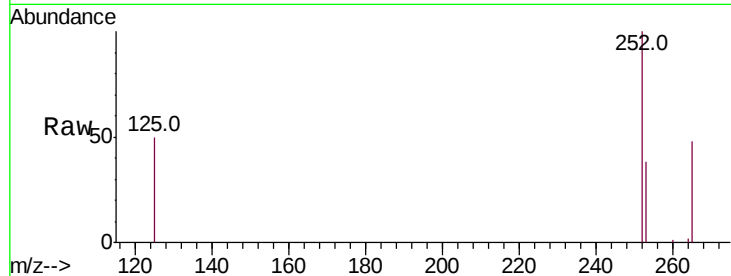
#36
Benzo(k)fluoranthene
Concen: 0.142 ng m
RT: 22.74 min Scan# 2385
Delta R.T. -0.02 min
Lab File: BN010499.D
Acq: 15 Apr 2020 04:06

Instrument :
BNA_N
ClientSampleId :
FE-SB-29-(5.5-6)

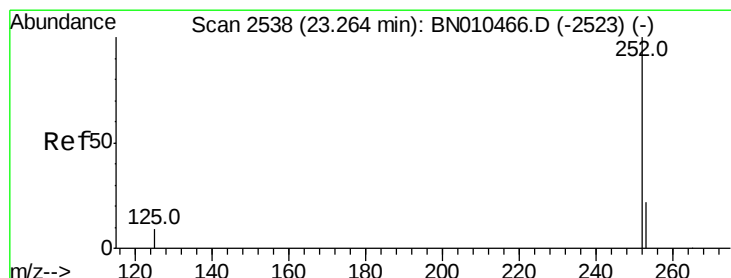
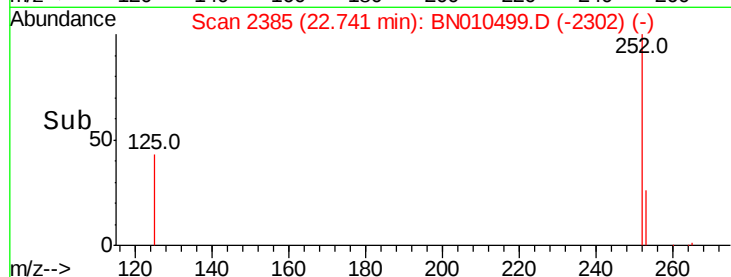
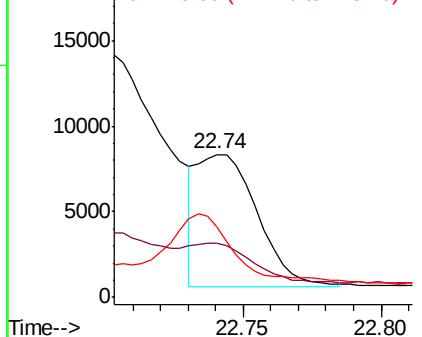
Tot Ion	Ratio	Lower	Upper
252	100		
253	37.6	20.1	30.1#
125	49.8	9.6	14.4#

Manual Integrations
APPROVED

mohammad
4/16/2020 12:52:02 PM



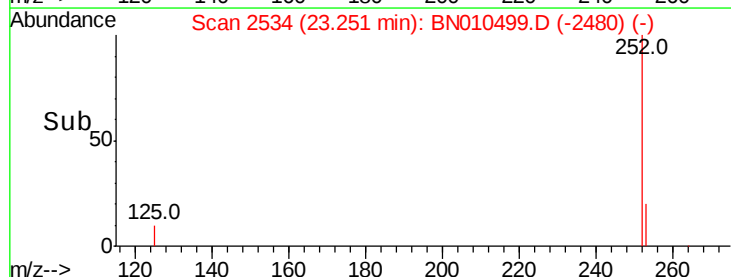
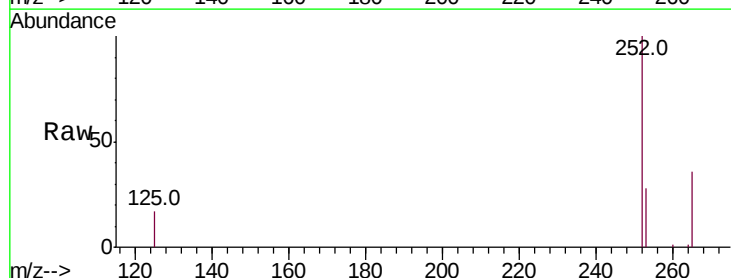
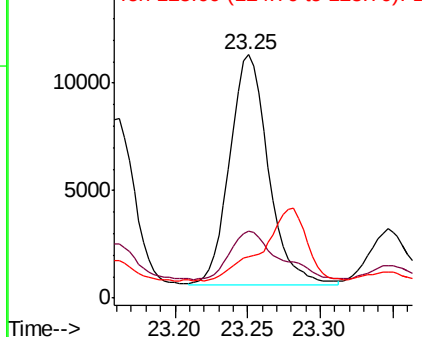
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

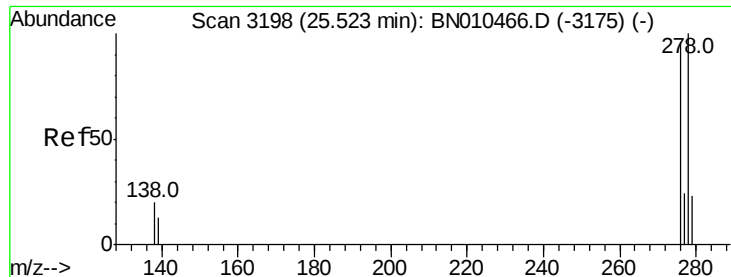


#37
Benzo(a)pyrene
Concen: 0.272 ng
RT: 23.25 min Scan# 2534
Delta R.T. -0.01 min
Lab File: BN010499.D
Acq: 15 Apr 2020 04:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.7	21.8	32.8
125	16.8	11.0	16.6#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





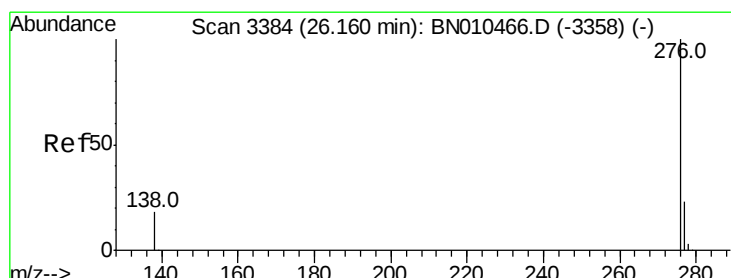
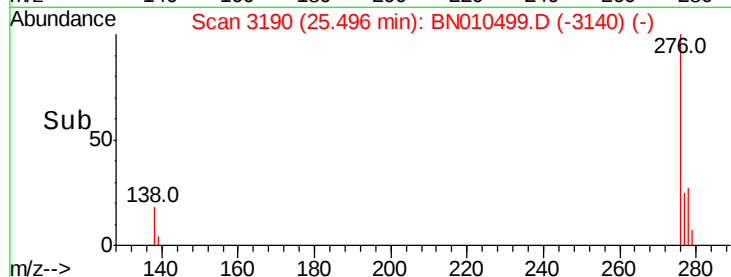
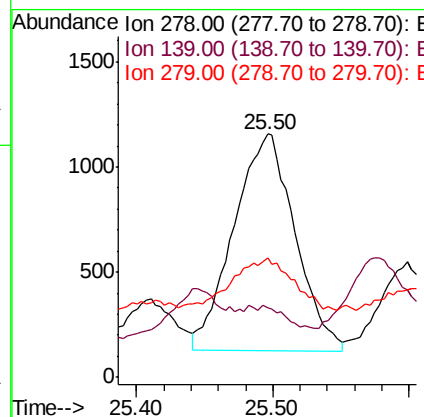
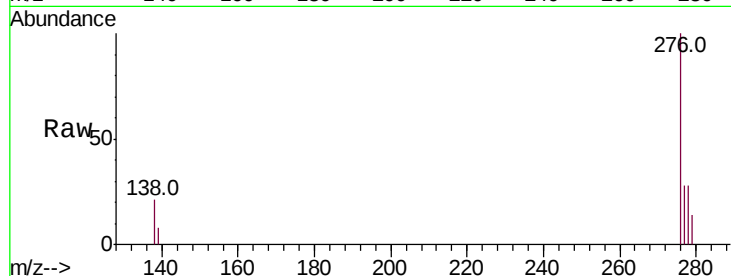
#38
Dibenzo(a,h)anthracene
Concen: 0.049 ng
RT: 25.50 min Scan# 3190
Delta R.T. -0.03 min
Lab File: BN010499.D
Acq: 15 Apr 2020 04:06

Instrument :
BNA_N
ClientSampleId :
FE-SB-29-(5.5-6)

Tot Ion	Ratio	Lower	Upper
278	100		
139	28.5	12.3	18.5#
279	48.8	21.9	32.9#

Manual Integrations
APPROVED

mohammad
4/16/2020 12:52:02 PM



#39
Benzo(g,h,i)perylene
Concen: 0.166 ng
RT: 26.14 min Scan# 3378
Delta R.T. -0.02 min
Lab File: BN010499.D
Acq: 15 Apr 2020 04:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.2	20.2	30.2
138	20.5	15.4	23.2

