

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\
 Data File : BN007477.D
 Acq On : 28 Aug 2019 20:24
 Operator : HP/JU
 Sample : K4373-04
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AC0

Manual Integrations
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mohammad
 8/29/2019 7:50:57 AM

Quant Time: Aug 28 23:43:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 27 20:30:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	4864	0.40	ng/ul	0.00
2) Naphthalene-d8	10.15	136	22060	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.05	164	11394	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.80	188	25998m	0.40	ng/ul	0.00
16) Chrysene-d12	21.02	240	21411m	0.40	ng/ul	0.00
20) Perylene-d12	23.12	264	18713m	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.76	152	11830	0.35	ng/ul	0.00
14) Fluoranthene-d10	18.84	212	29842m	0.35	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.20	128	3072	0.049	ng/ul#	89
7) Acenaphthylene	13.76	152	3507	0.055	ng/ul#	91
11) Pentachlorophenol	16.46	266	559m	0.095	ng/ul	
12) Phenanthrene	16.84	178	4060m	0.050	ng/ul	
13) Anthracene	16.93	178	15046m	0.197	ng/ul	
15) Fluoranthene	18.87	202	8604m	0.079	ng/ul	
17) Pyrene	19.24	202	7716	0.074	ng/ul#	93
18) Benzo(a)anthracene	21.01	228	4657	0.049	ng/ul#	72
19) Chrysene	21.06	228	7853	0.076	ng/ul#	88
21) Benzo(b)fluoranthene	22.50	252	16889m	0.207	ng/ul	
22) Benzo(k)fluoranthene	22.54	252	5174m	0.061	ng/ul	
23) Benzo(a)pyrene	23.03	252	4845m	0.059	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.19	276	9427m	0.103	ng/ul	
25) Dibenzo(a,h)anthracene	25.19	278	1989m	0.028	ng/ul	
26) Benzo(g,h,i)perylene	25.81	276	9166	0.118	ng/ul#	92

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

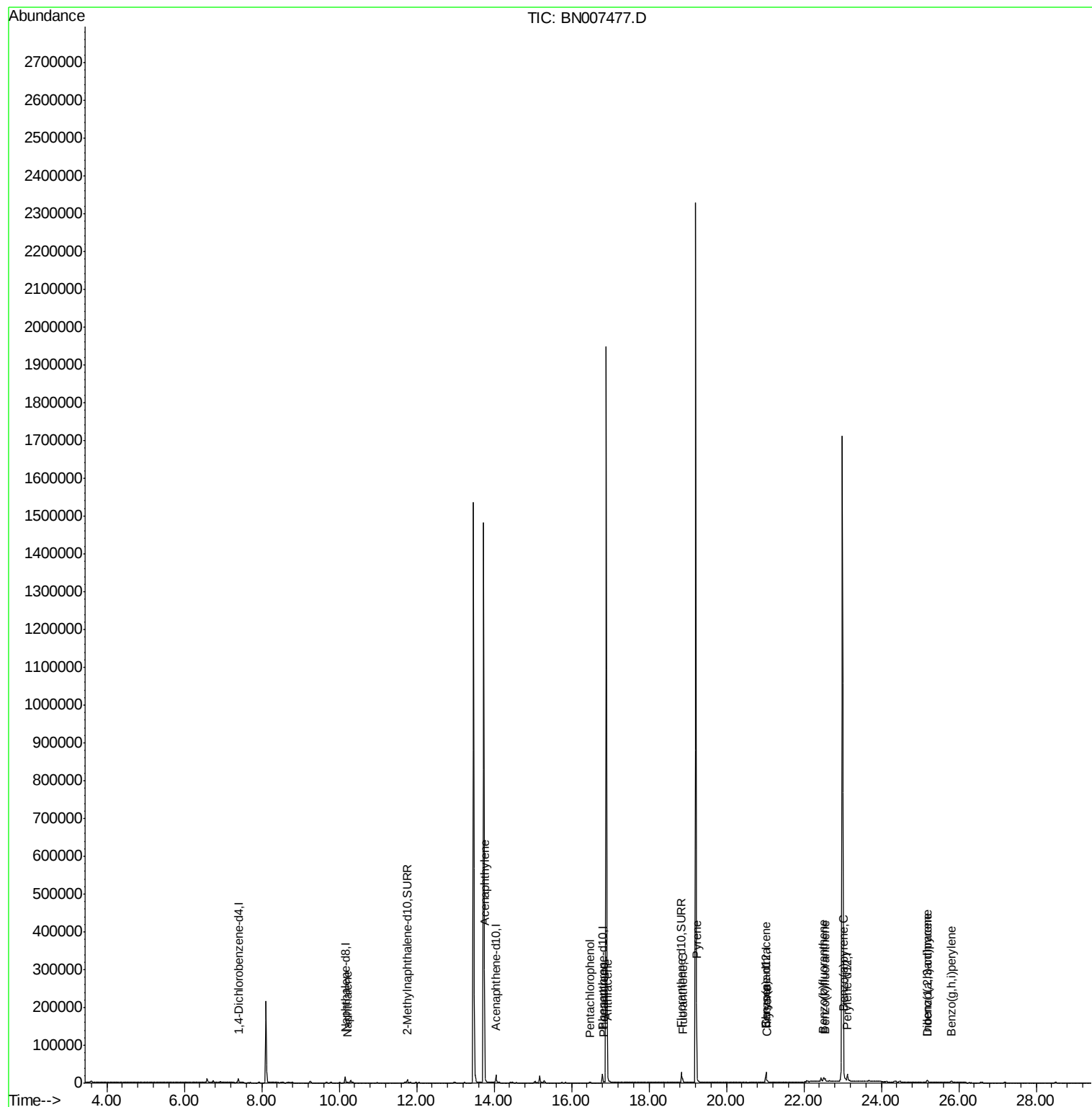
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\
Data File : BN007477.D
Acq On : 28 Aug 2019 20:24
Operator : HP/JU
Sample : K4373-04
Misc :
ALS Vial : 50 Sample Multiplier: 1

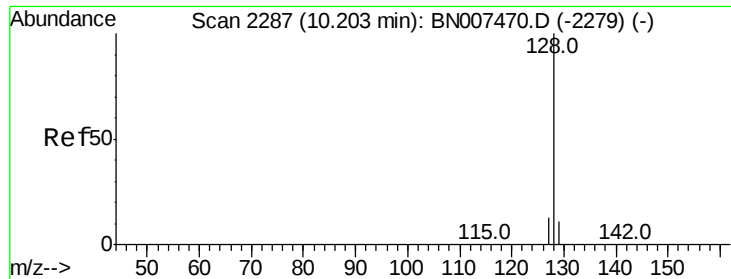
Instrument :
BNA_N
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Quant Time: Aug 28 23:43:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 27 20:30:31 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.049 ng/ul

RT: 10.20 min Scan# 2287

Delta R.T. -0.01 min

Lab File: BN007477.D

Acq: 28 Aug 2019 20:24

Instrument :

BNA_N

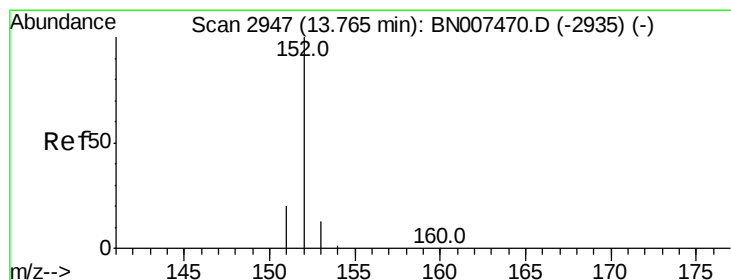
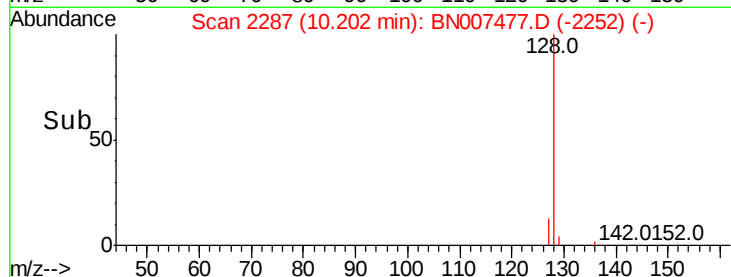
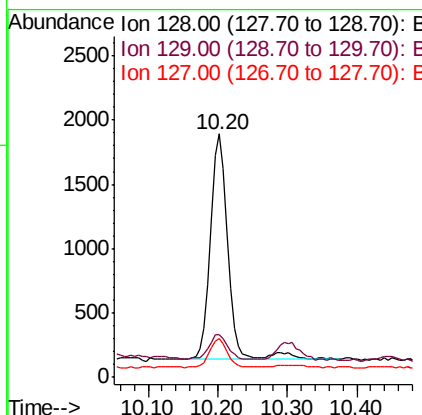
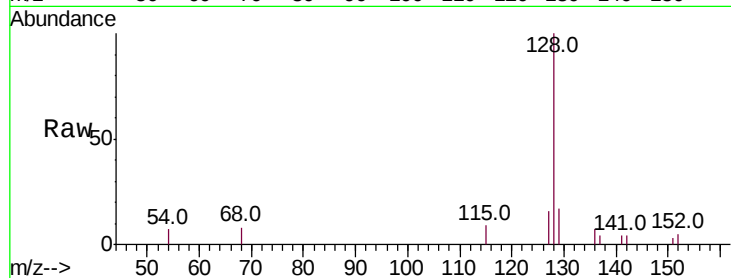
ClientSampleId :

C0AC0

Tot Ion:	128	Resp:	3072
Ion	Ratio	Lower	Upper
128	100		
129	17.4	9.2	13.8#
127	15.7	10.4	15.6#

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#7

Acenaphthylene

Concen: 0.055 ng/ul

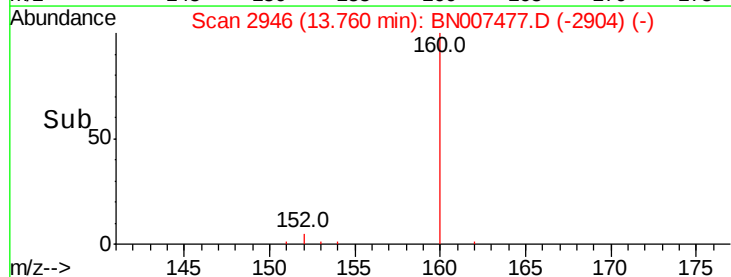
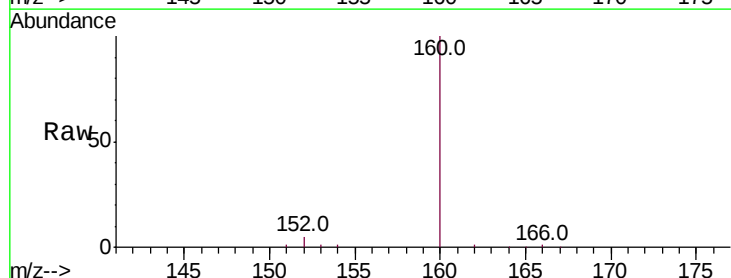
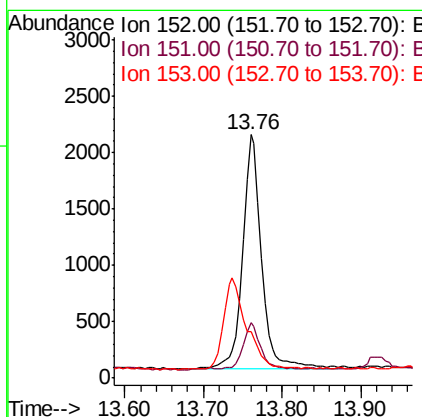
RT: 13.76 min Scan# 2946

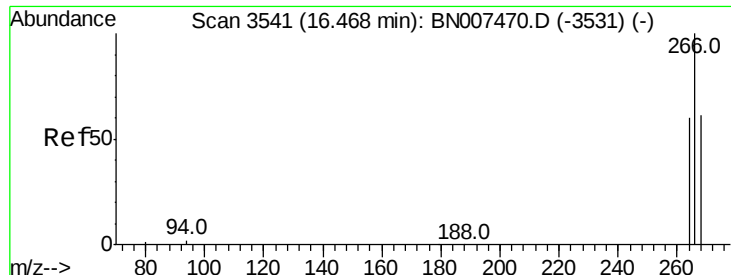
Delta R.T. -0.00 min

Lab File: BN007477.D

Acq: 28 Aug 2019 20:24

Tgt Ion:	152	Resp:	3507
Ion	Ratio	Lower	Upper
152	100		
151	22.6	15.8	23.6
153	19.1	10.8	16.2#





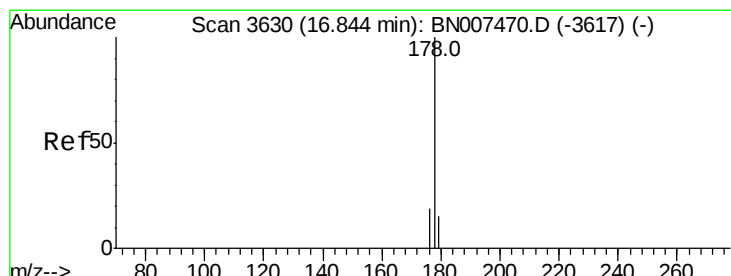
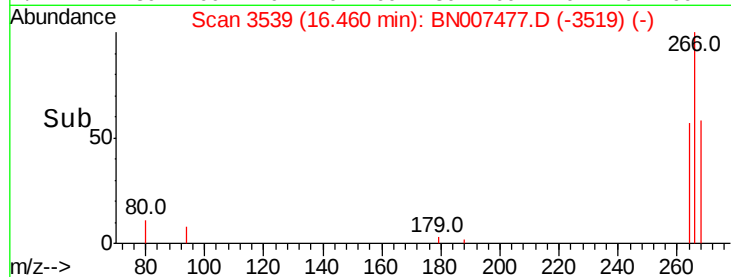
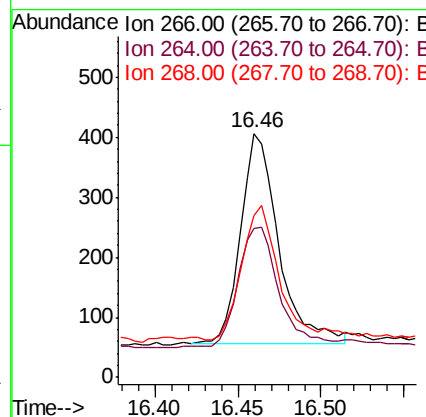
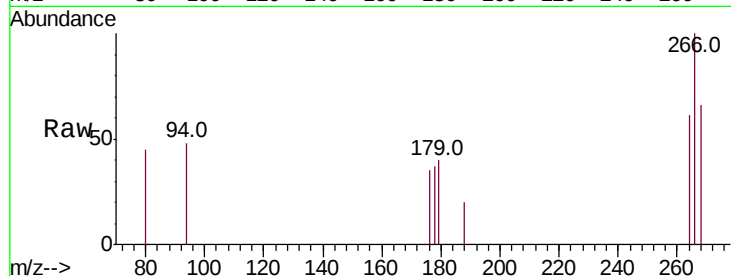
#11
 Pentachlorophenol
 Concen: 0.095 ng/ul m
 RT: 16.46 min Scan# 3539
 Delta R.T. -0.02 min
 Lab File: BN007477.D
 Acq: 28 Aug 2019 20:24

Instrument :
 BNA_N
 ClientSampleId :
 C0AC0

Tot Ion	Ratio	Lower	Upper
266	100		
264	0.0	49.0	73.6#
268	0.0	50.2	75.2#

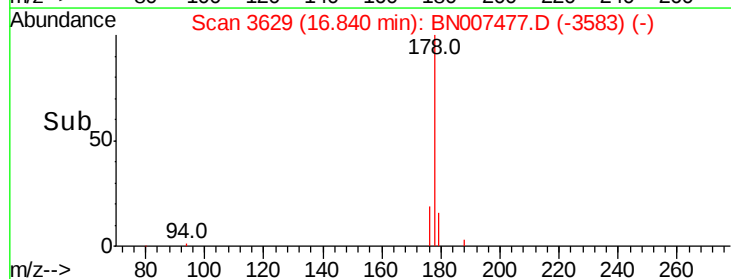
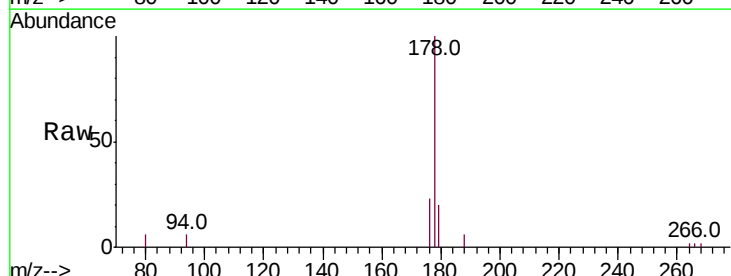
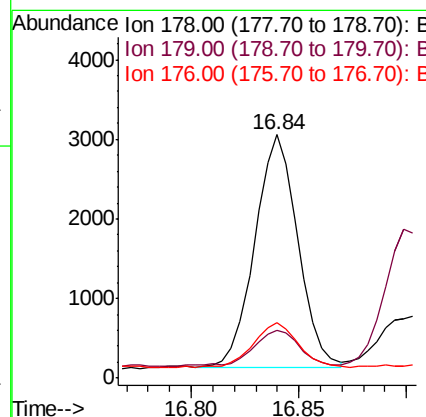
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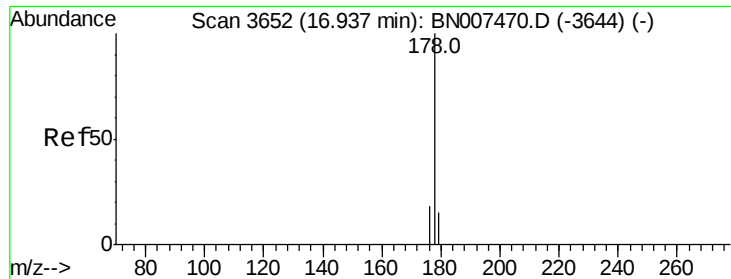
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#12
 Phenanthrene
 Concen: 0.050 ng/ul m
 RT: 16.84 min Scan# 3629
 Delta R.T. -0.00 min
 Lab File: BN007477.D
 Acq: 28 Aug 2019 20:24

Tgt Ion	Ratio	Lower	Upper
178	100		
179	19.9	12.8	19.2#
176	22.8	15.2	22.8





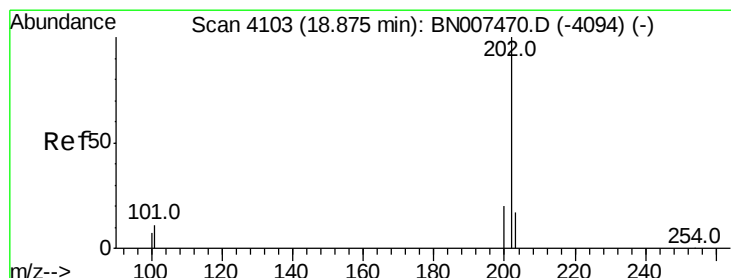
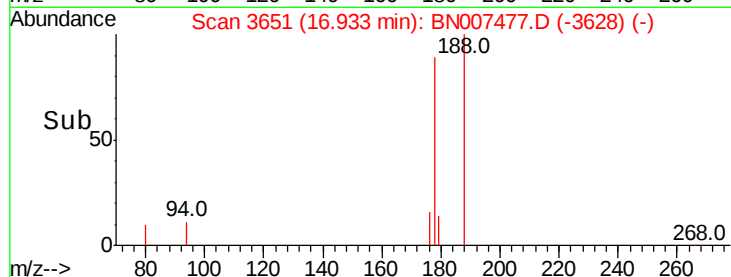
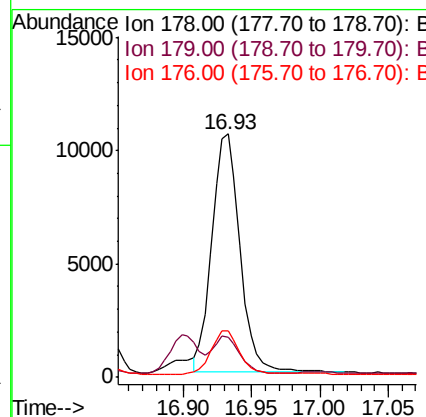
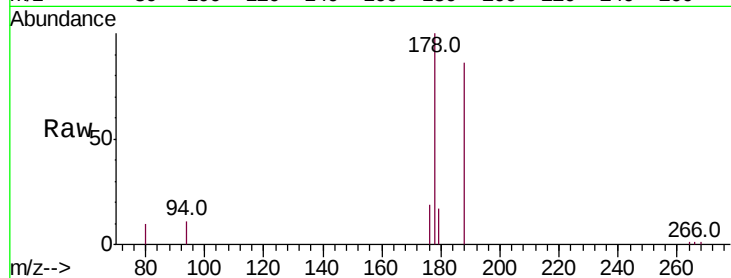
#13
 Anthracene
 Concen: 0.197 ng/ul m
 RT: 16.93 min Scan# 3651
 Delta R.T. -0.00 min
 Lab File: BN007477.D
 Acq: 28 Aug 2019 20:24

Instrument :
 BNA_N
 ClientSampleId :
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Tot Ion:178 Resp: 15046
 Ion Ratio Lower Upper
 178 100
 179 16.6 12.8 19.2
 176 18.9 14.6 21.8

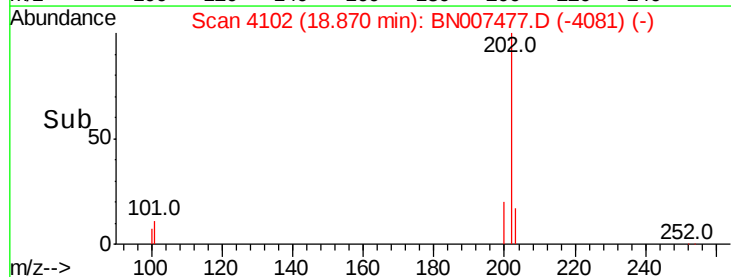
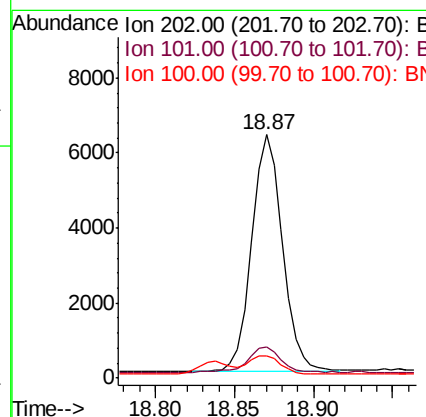
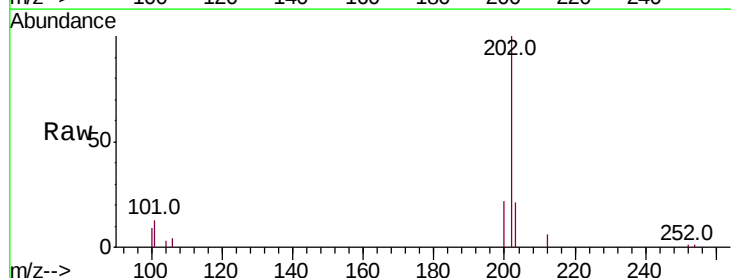
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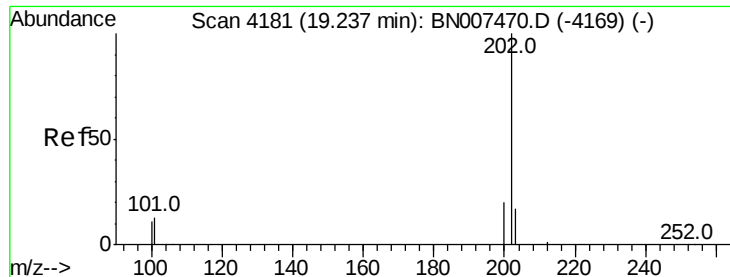
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#15
 Fluoranthene
 Concen: 0.079 ng/ul m
 RT: 18.87 min Scan# 4102
 Delta R.T. -0.00 min
 Lab File: BN007477.D
 Acq: 28 Aug 2019 20:24

Tgt Ion:202 Resp: 8604
 Ion Ratio Lower Upper
 202 100
 101 12.6 0.0 31.3
 100 8.9 0.0 28.5





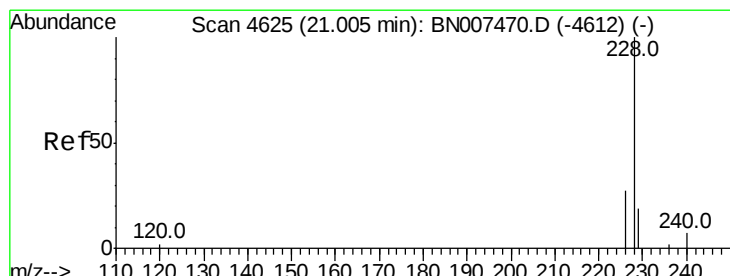
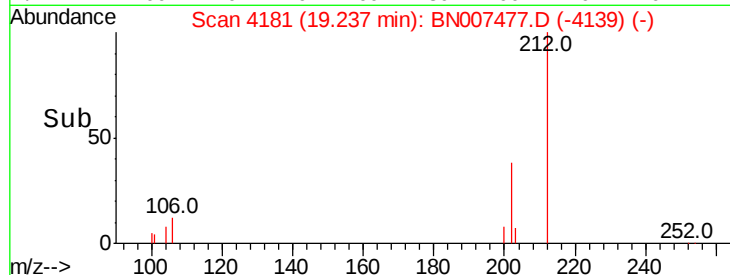
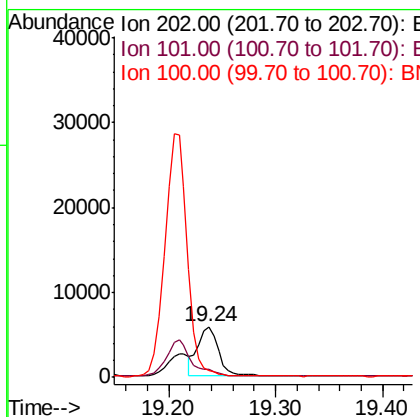
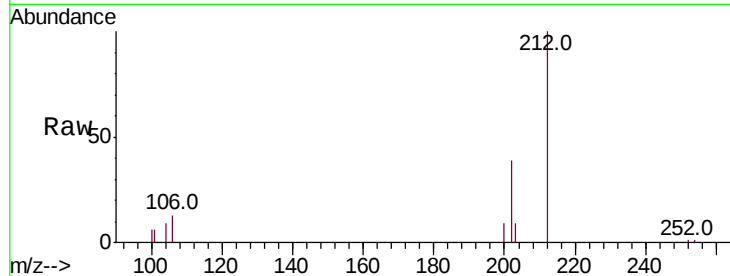
#17
Pvrene
Concen: 0.074 ng/ul
RT: 19.24 min Scan# 4181
Delta R.T. -0.00 min
Lab File: BN007477.D
Acq: 28 Aug 2019 20:24

Instrument :
BNA_N
ClientSampleId :
C0AC0

Tot Ion	Ratio	Lower	Upper
202	100		
101	15.3	10.7	16.1
100	14.4	8.6	12.8

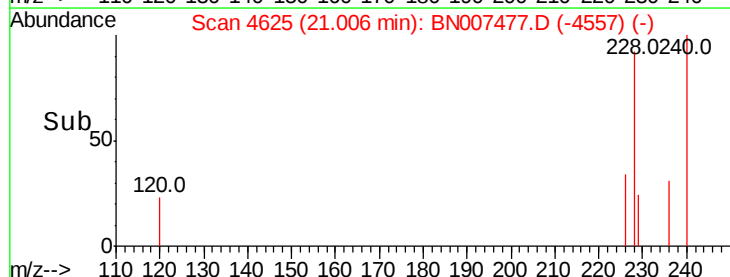
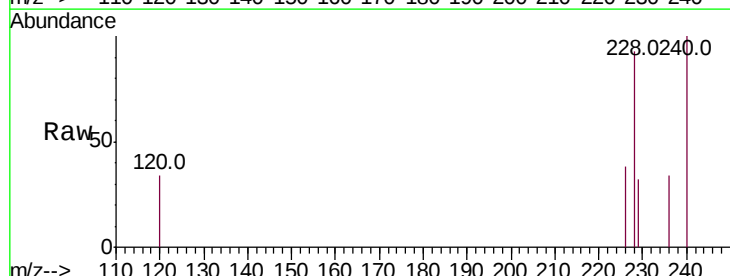
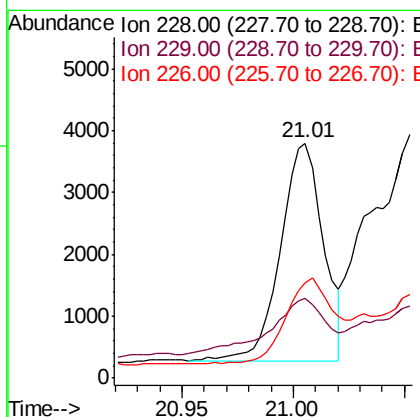
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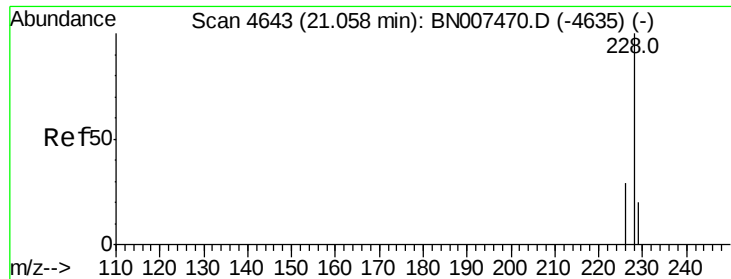
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#18
Benzo(a)anthracene
Concen: 0.049 ng/ul
RT: 21.01 min Scan# 4625
Delta R.T. -0.00 min
Lab File: BN007477.D
Acq: 28 Aug 2019 20:24

Tgt Ion	Ratio	Lower	Upper
228	100		
229	33.9	15.4	23.2
226	40.6	22.0	33.0





#19

Chrysene

Concen: 0.076 ng/ul

RT: 21.06 min Scan# 4642

Delta R.T. -0.01 min

Lab File: BN007477.D

Acq: 28 Aug 2019 20:24

Instrument :

BNA_N

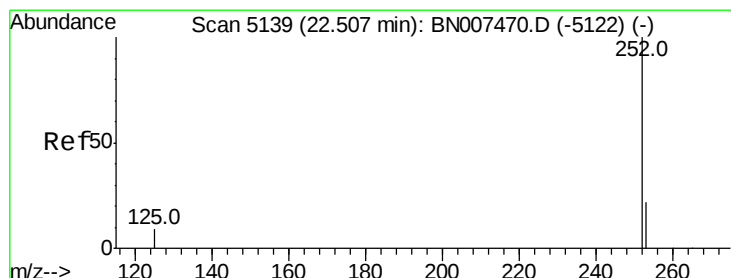
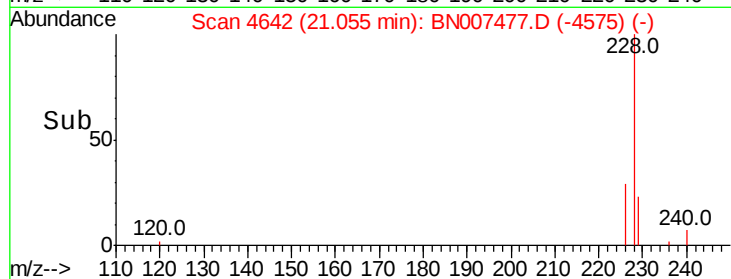
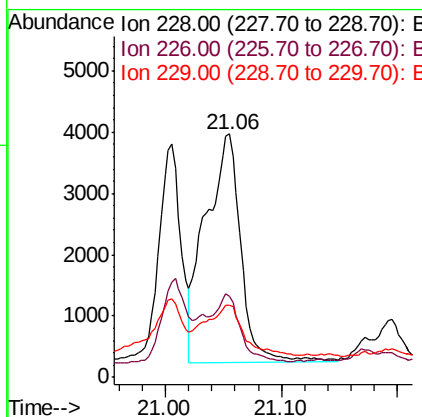
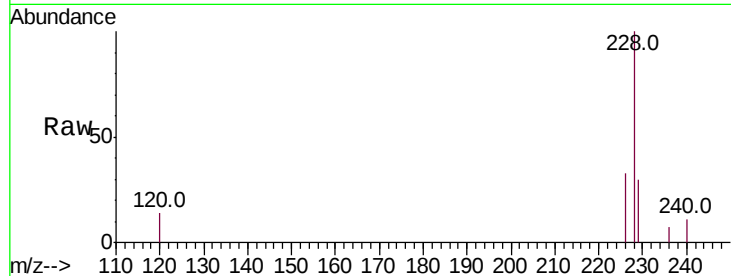
ClientSampled :

C0AC0

Tot Ion:228	Resp:	7853
Ion Ratio	Lower	Upper
228 100		
226 33.2	24.1	36.1
229 29.8	16.1	24.1#

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#21

Benzo(b)fluoranthene

Concen: 0.207 ng/ul m

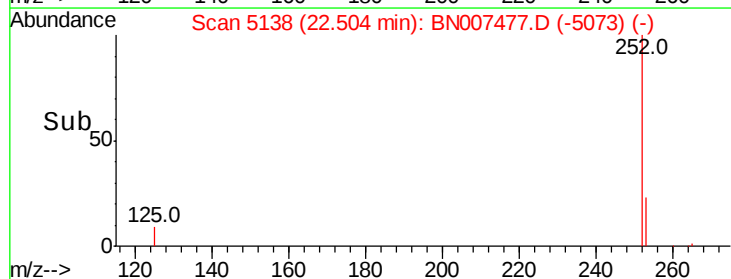
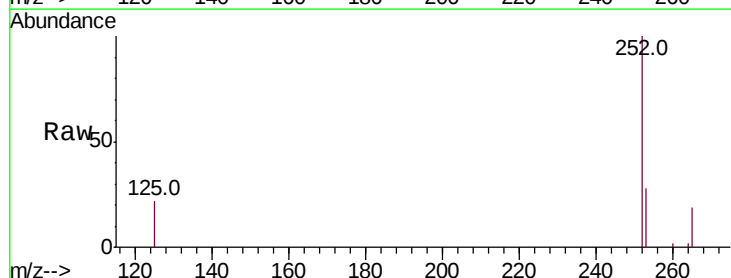
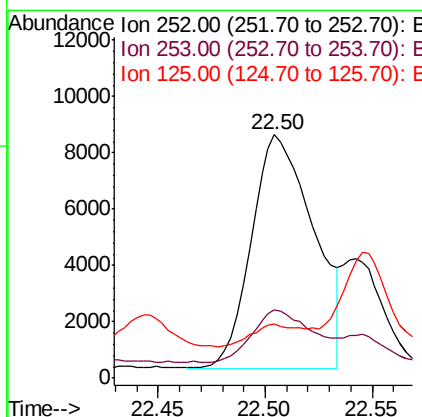
RT: 22.50 min Scan# 5138

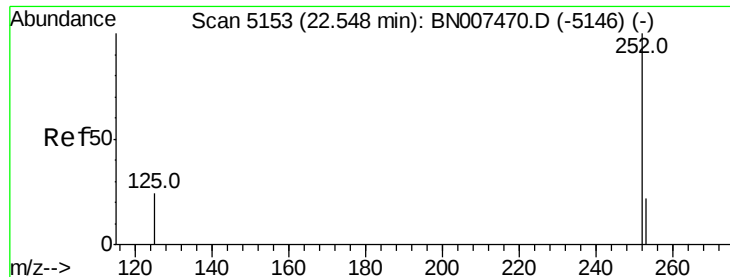
Delta R.T. -0.01 min

Lab File: BN007477.D

Acq: 28 Aug 2019 20:24

Tgt Ion:252	Resp:	16889
Ion Ratio	Lower	Upper
252 100		
253 28.1	0.0	47.0
125 22.1	0.0	24.8





#22

Benzo(k)fluoranthene

Concen: 0.061 ng/ul m

RT: 22.54 min Scan# 5151

Delta R.T. -0.01 min

Lab File: BN007477.D

Acq: 28 Aug 2019 20:24

Instrument :

BNA_N

ClientSampleId :

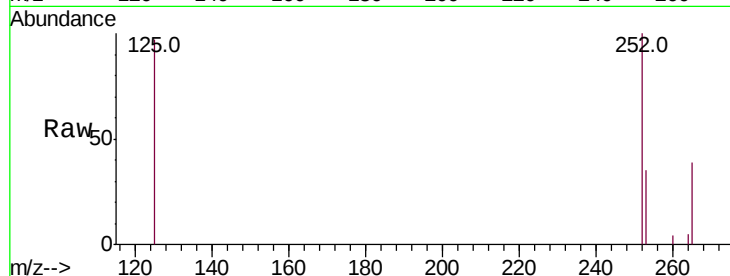
C0AC0

Tot Ion:252 Resp: 5174

Ion	Ratio	Lower	Upper
252	100		
253	35.4	18.7	28.1#
125	97.4	12.4	18.6#

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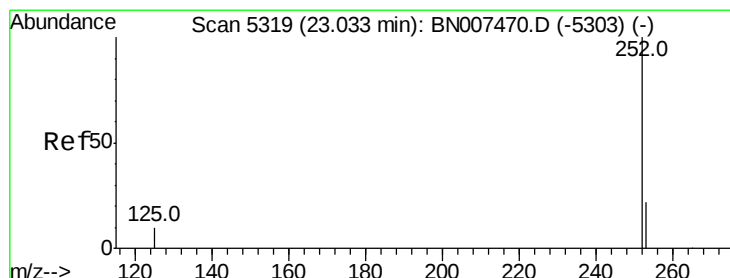
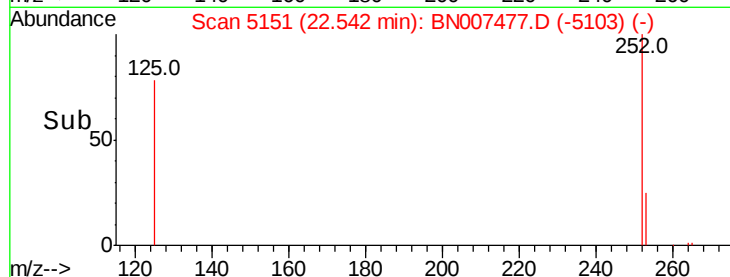
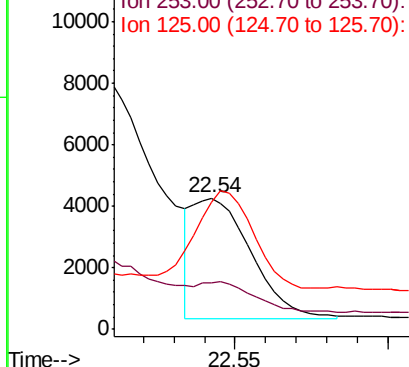
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#23

Benzo(a)pyrene

Concen: 0.059 ng/ul m

RT: 23.03 min Scan# 5319

Delta R.T. -0.01 min

Lab File: BN007477.D

Acq: 28 Aug 2019 20:24

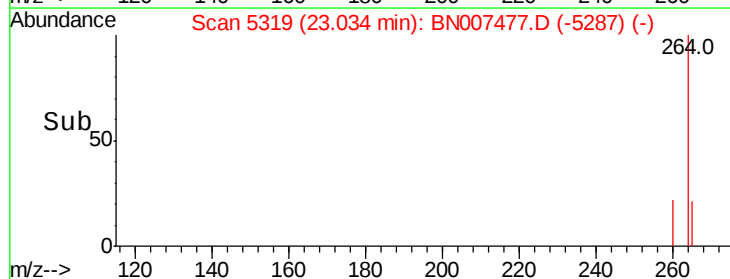
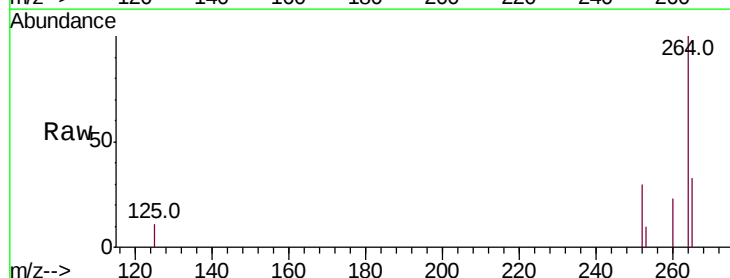
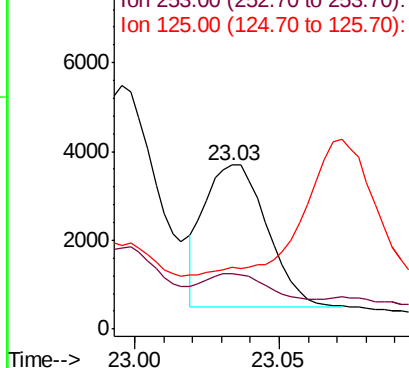
Tgt Ion:252 Resp: 4845

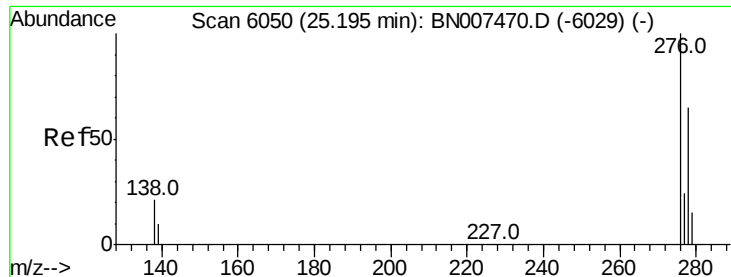
Ion	Ratio	Lower	Upper
252	100		
253	34.2	19.0	28.6#
125	37.4	11.2	16.8#

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





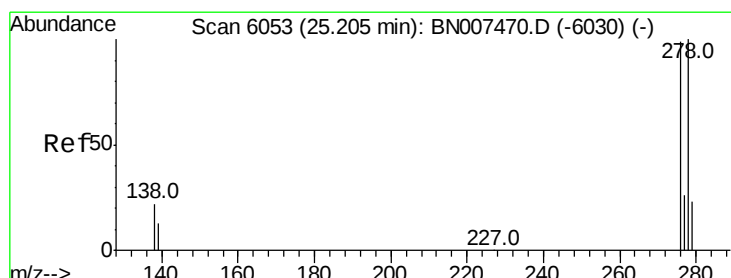
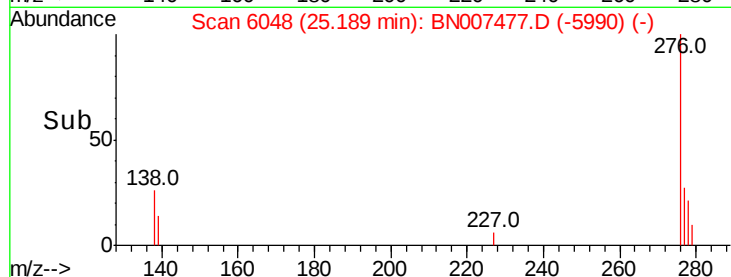
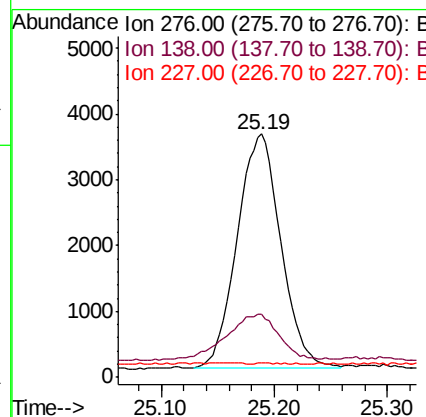
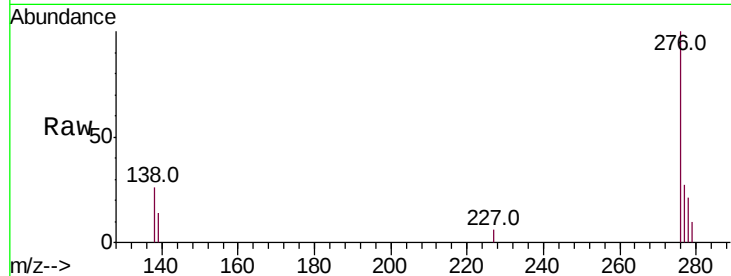
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.103 ng/ul m
 RT: 25.19 min Scan# 6048
 Delta R.T. -0.01 min
 Lab File: BN007477.D
 Acq: 28 Aug 2019 20:24

Instrument :
 BNA_N
 ClientSampleId :
 C0AC0

Tot Ion	Ratio	Lower	Upper
276	100		
138	0.0	19.7	29.5#
227	0.0	0.1	0.1#

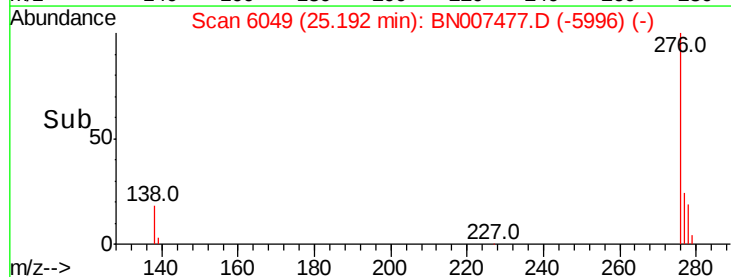
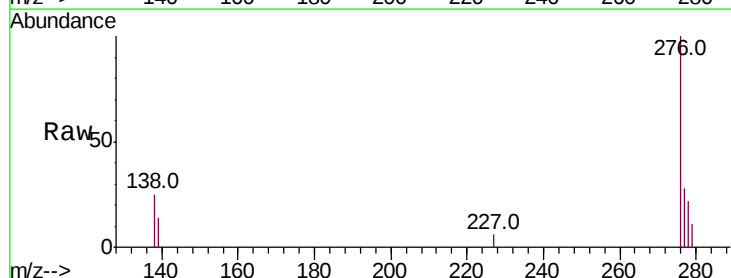
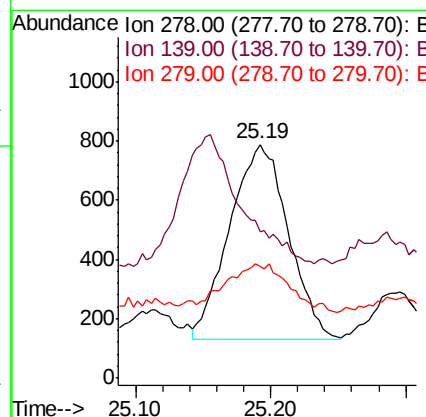
Manual Integrations
 APPROVED

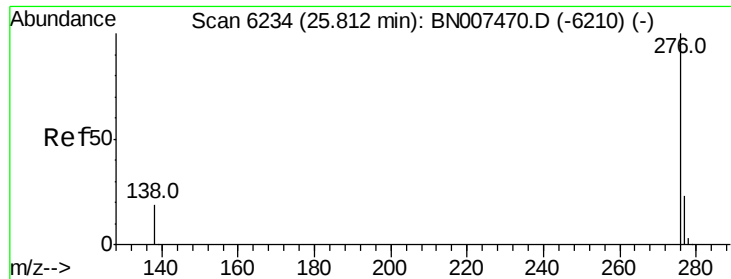
mohammad
 8/29/2019 7:50:57 AM



#25
 Dibenzo(a,h)anthracene
 Concen: 0.028 ng/ul m
 RT: 25.19 min Scan# 6049
 Delta R.T. -0.02 min
 Lab File: BN007477.D
 Acq: 28 Aug 2019 20:24

Tgt Ion	Ratio	Lower	Upper
278	100		
139	62.8	14.6	21.8#
279	47.7	19.8	29.8#





#26

Benzo(a,h,i)perylene

Concen: 0.118 ng/ul

RT: 25.81 min Scan# 6233

Delta R.T. -0.01 min

Lab File: BN007477.D

Acq: 28 Aug 2019 20:24

Instrument :

BNA_N

ClientSampleId :

C0AC0

Tot Ion:	276	Resp:	9166
Ion Ratio	Lower	Upper	
276	100		
138	26.5	17.1	25.7#
277	27.1	19.4	29.0

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