

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\
 Data File : BN007444.D
 Acq On : 27 Aug 2019 22:29
 Operator : HP/JU
 Sample : K4337-14
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AF6

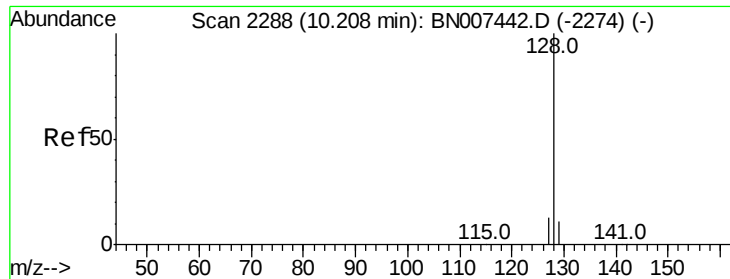
Manual Integrations
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mohammad
 8/28/2019 7:48:02 AM

Quant Time: Aug 28 00:21:40 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	5319	0.40	ng/ul	0.00
2) Naphthalene-d8	10.15	136	22561	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.05	164	13214	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.80	188	26480m	0.40	ng/ul	0.00
16) Chrysene-d12	21.02	240	21639m	0.40	ng/ul	0.00
20) Perylene-d12	23.12	264	26158	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.76	152	14951	0.43	ng/ul	0.00
14) Fluoranthene-d10	18.84	212	35984m	0.42	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.20	128	1033866	16.227	ng/ul	99
5) 2-Methylnaphthalene	11.83	142	11722	0.274	ng/ul	100
7) Acenaphthylene	13.76	152	37538	0.511	ng/ul#	94
8) Acenaphthene	14.11	153	1419262	26.865	ng/ul	97
9) Fluorene	15.11	166	890153	15.572	ng/ul	97
11) Pentachlorophenol	16.46	266	694m	0.116	ng/ul	
12) Phenanthrene	16.84	178	226440m	2.740	ng/ul	
13) Anthracene	16.93	178	107776m	1.384	ng/ul	
15) Fluoranthene	18.87	202	446396m	4.036	ng/ul	
17) Pyrene	19.24	202	269845	2.549	ng/ul	99
18) Benzo(a)anthracene	21.00	228	75282m	0.778	ng/ul	
19) Chrysene	21.05	228	125298	1.206	ng/ul	99
21) Benzo(b)fluoranthene	22.50	252	124155m	1.087	ng/ul	
22) Benzo(k)fluoranthene	22.54	252	42990m	0.360	ng/ul	
23) Benzo(a)pyrene	23.03	252	86688	0.761	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.18	276	59233	0.465	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.18	278	12897	0.128	ng/ul#	86
26) Benzo(g,h,i)perylene	25.81	276	56007	0.515	ng/ul	100

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



#3

Naphthalene

Concen: 16.227 ng/ul

RT: 10.20 min Scan# 2287

Delta R.T. -0.01 min

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Acq: 27 Aug 2019 22:29

Instrument :

BNA_N

ClientSampleId :

C0AF6

Tot Ion:128 Resp: 1033866

Ion Ratio Lower Upper

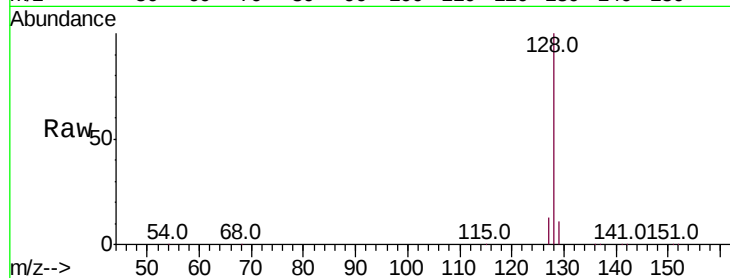
128 100

129 11.0 9.2 13.8

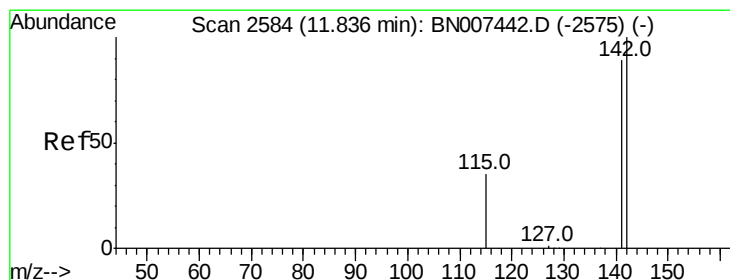
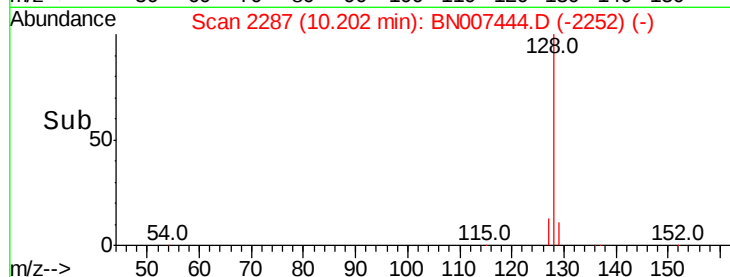
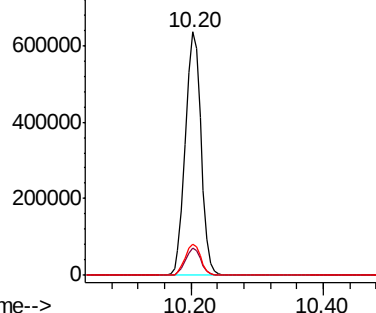
127 12.9 10.4 15.6

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.274 ng/ul

RT: 11.83 min Scan# 2583

Delta R.T. -0.01 min

Lab File: BN007444.D

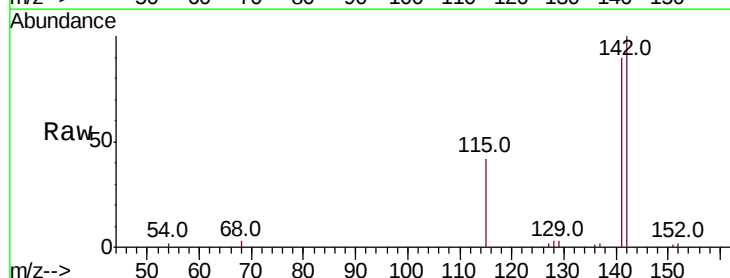
Acq: 27 Aug 2019 22:29

Tgt Ion:142 Resp: 11722

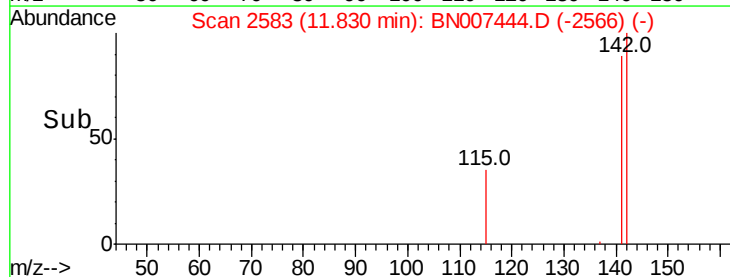
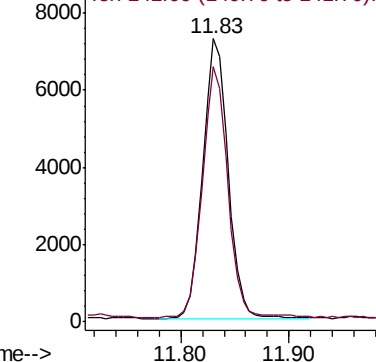
Ion Ratio Lower Upper

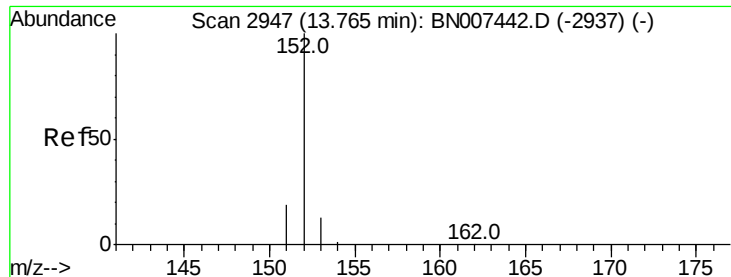
142 100

141 89.9 71.7 107.5



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.511 ng/ul

RT: 13.76 min Scan# 2947

Delta R.T. -0.00 min

Lab File: BN007444.D

Acq: 27 Aug 2019 22:29

Instrument :

BNA_N

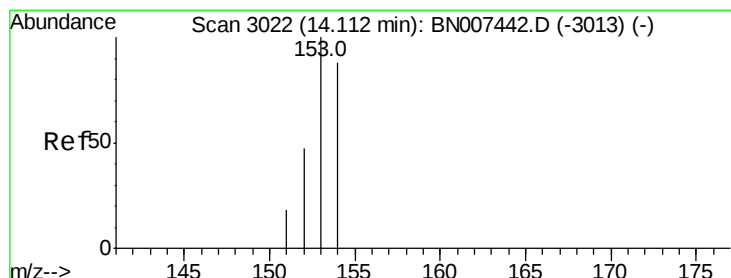
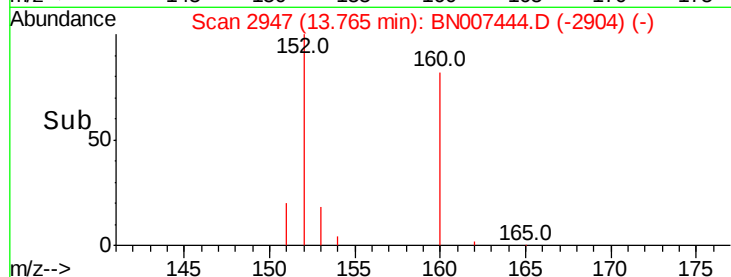
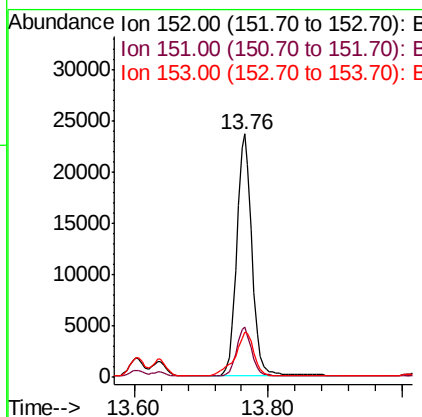
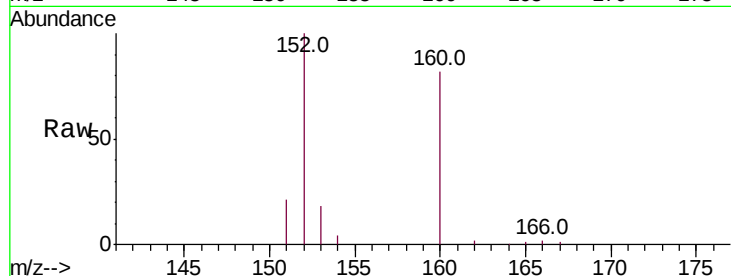
ClientSampleId :

C0AF6

Tot Ion:	152	Resp:	37538
Ion Ratio	Lower	Upper	
152	100		
151	20.7	15.8	23.6
153	18.4	10.8	16.2#

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#8

Acenaphthene

Concen: 26.865 ng/ul

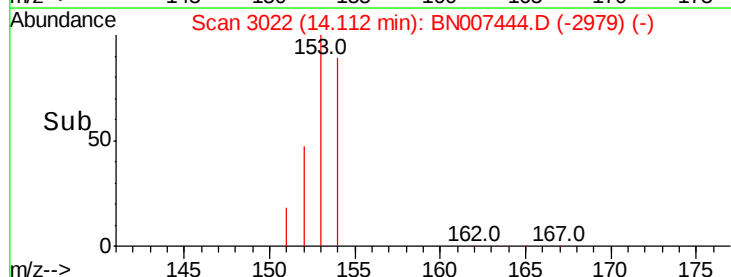
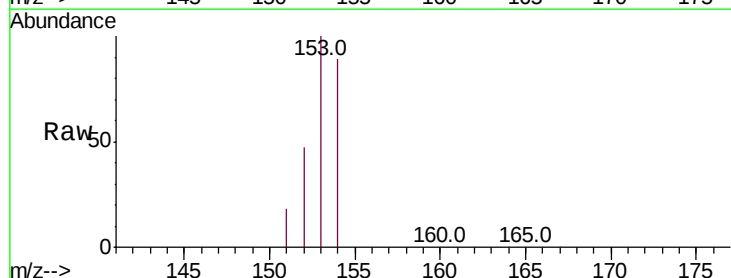
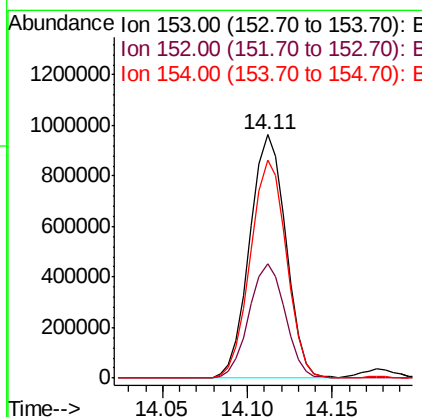
RT: 14.11 min Scan# 3022

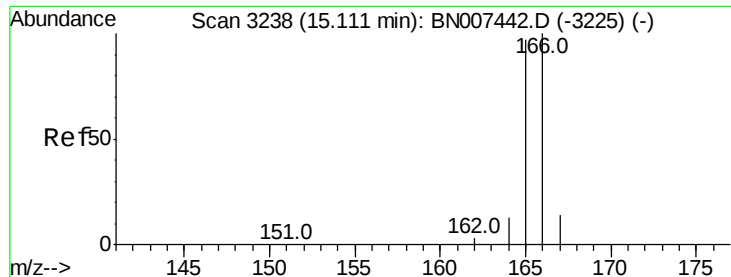
Delta R.T. -0.00 min

Lab File: BN007444.D

Acq: 27 Aug 2019 22:29

Tgt Ion:	153	Resp:	1419262
Ion Ratio	Lower	Upper	
153	100		
152	47.0	39.1	58.7
154	89.4	69.4	104.2





#9

Fluorene

Concen: 15.572 ng/ul

RT: 15.11 min Scan# 3237

Delta R.T. -0.00 min

Lab File: BN007444.D

Acq: 27 Aug 2019 22:29

Instrument :

BNA_N

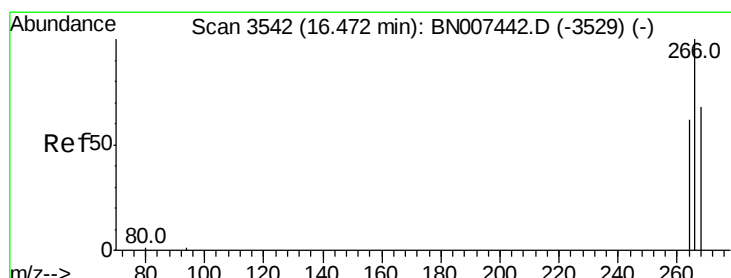
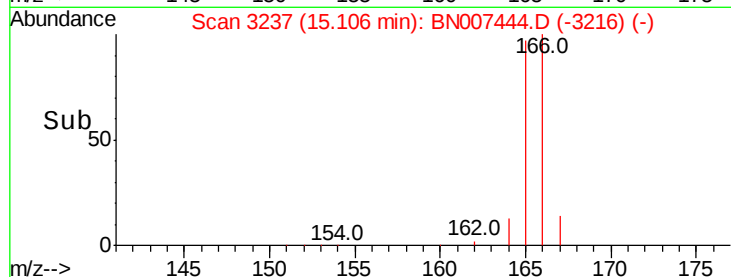
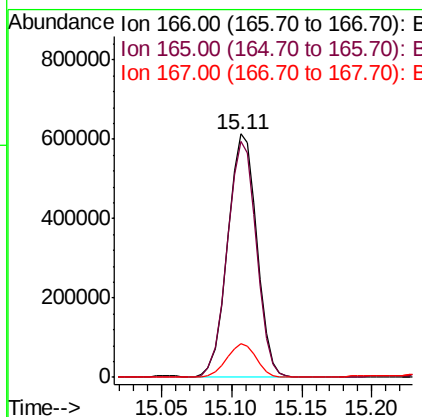
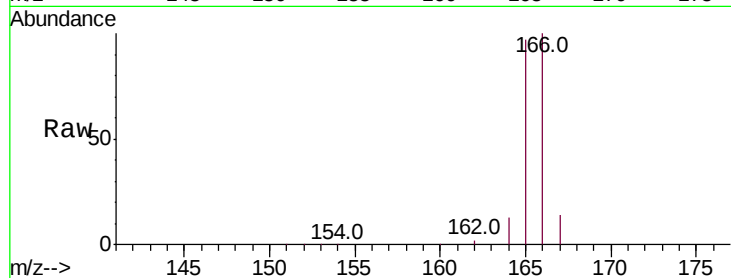
ClientSampleId :

C0AF6

Tot Ion:	166	Resp:	890153
Ion Ratio	Lower	Upper	
166	100		
165	96.8	79.6	119.4
167	13.7	11.7	17.5

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#11

Pentachlorophenol

Concen: 0.116 ng/ul m

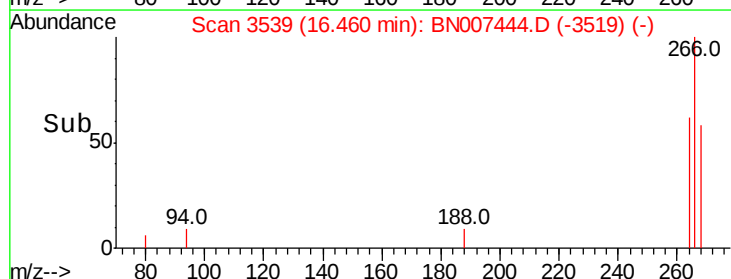
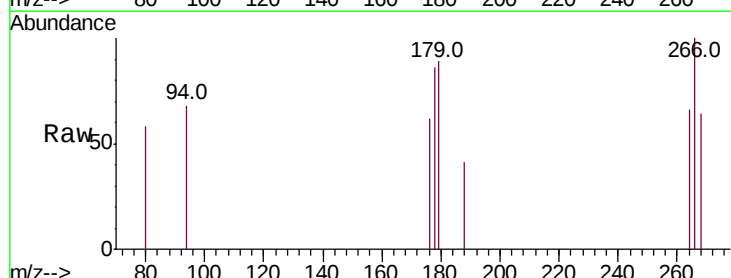
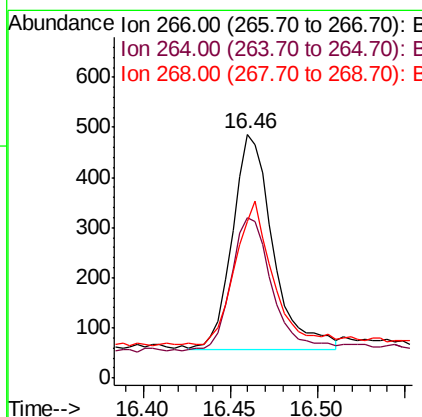
RT: 16.46 min Scan# 3539

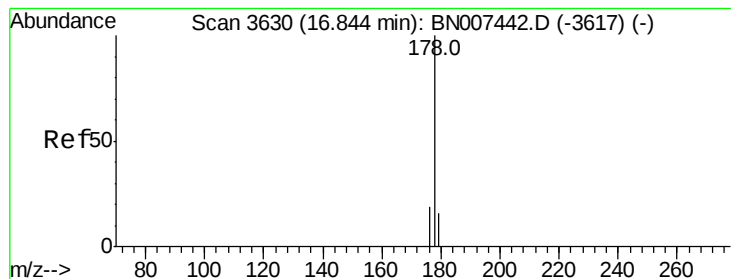
Delta R.T. -0.02 min

Lab File: BN007444.D

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Tgt Ion:	266	Resp:	694
Ion Ratio	Lower	Upper	
266	100		
264	0.0	49.0	73.6#
268	0.0	50.2	75.2#





#12

Phenanthrene

Concen: 2.740 ng/ul m

RT: 16.84 min Scan# 3629

Delta R.T. -0.00 min

Lab File: BN007444.D

Acq: 27 Aug 2019 22:29

Instrument :

BNA_N

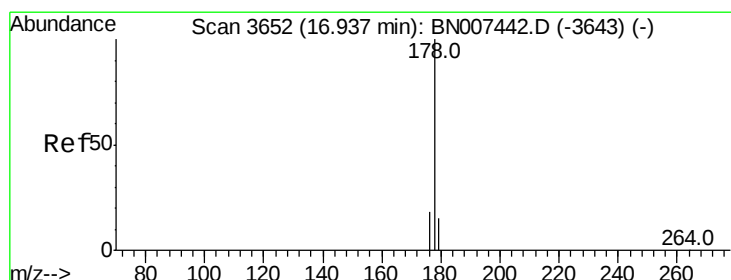
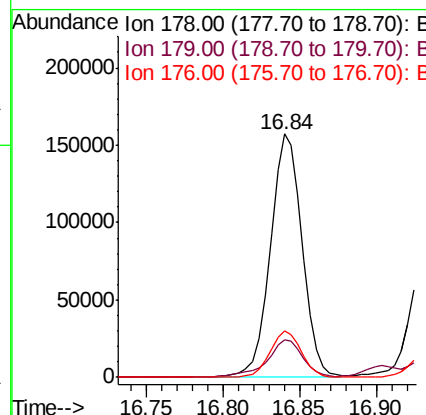
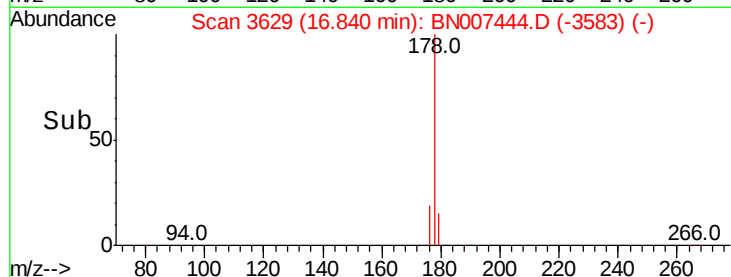
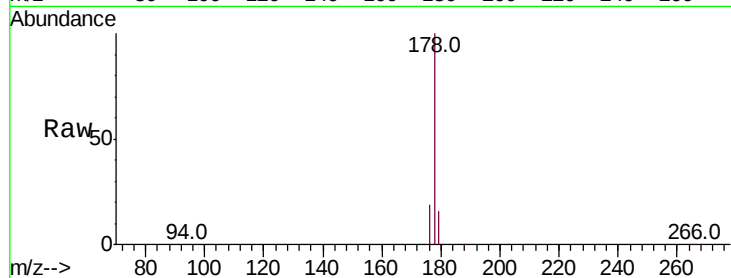
ClientSampleId :

C0AF6

Tot Ion:	178	Resp:	226440
Ion Ratio	Lower	Upper	
178	100		
179	15.6	12.8	19.2
176	18.9	15.2	22.8

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#13

Anthracene

Concen: 1.384 ng/ul m

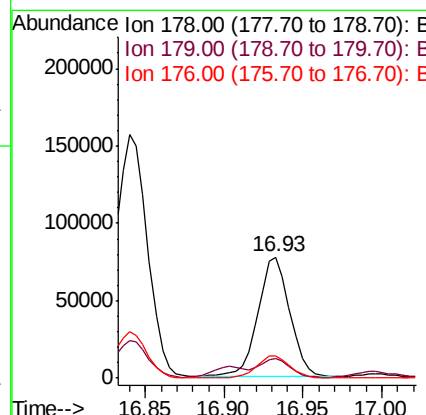
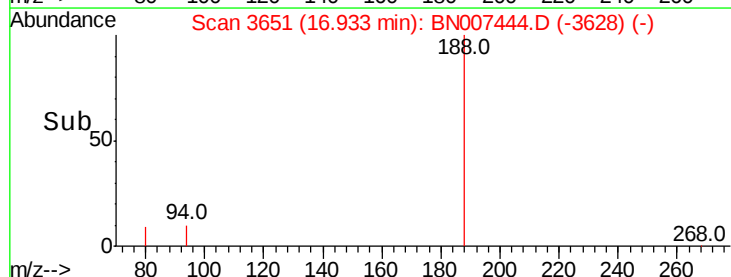
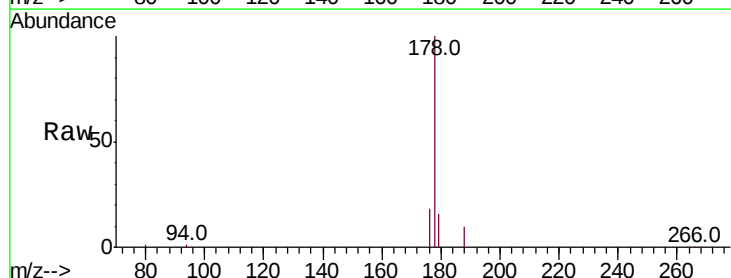
RT: 16.93 min Scan# 3651

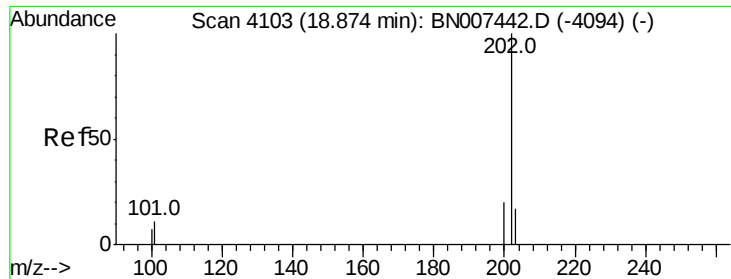
Delta R.T. -0.00 min

Lab File: BN007444.D

Acq: 27 Aug 2019 22:29

Tgt Ion:	178	Resp:	107776
Ion Ratio	Lower	Upper	
178	100		
179	16.3	12.8	19.2
176	18.4	14.6	21.8





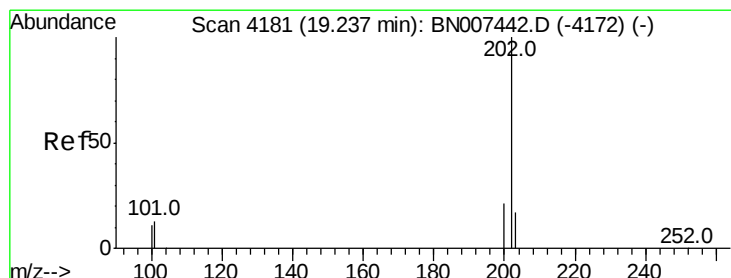
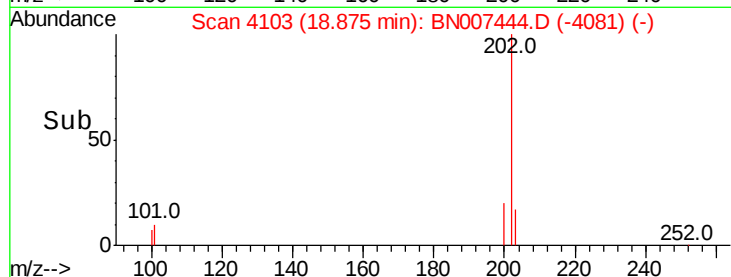
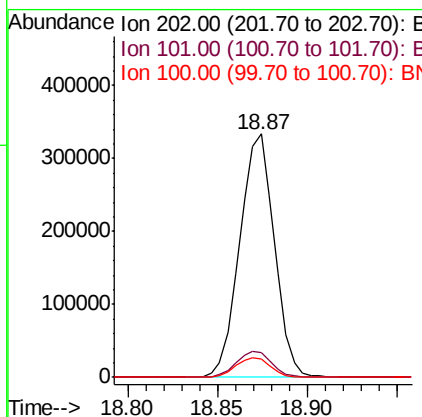
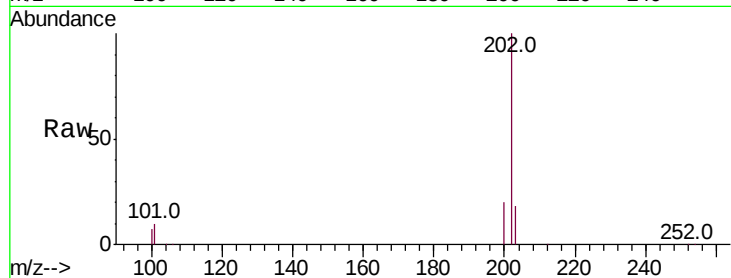
#15
Fluoranthene
 Concen: 4.036 ng/ul m
 RT: 18.87 min Scan# 4103
 Delta R.T. -0.00 min
 Lab File: BN007444.D
 Acq: 27 Aug 2019 22:29

Instrument :
 BNA_N
 ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
202	100	446396		
101	10.1	0.0	31.3	
100	7.4	0.0	28.5	

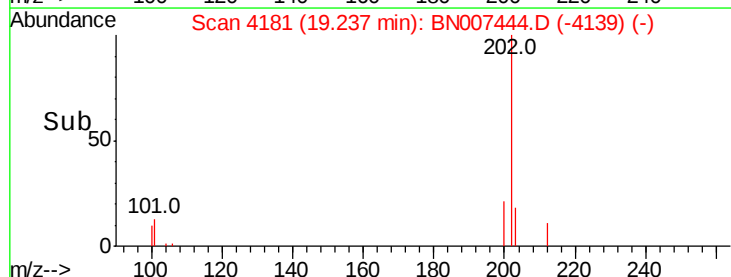
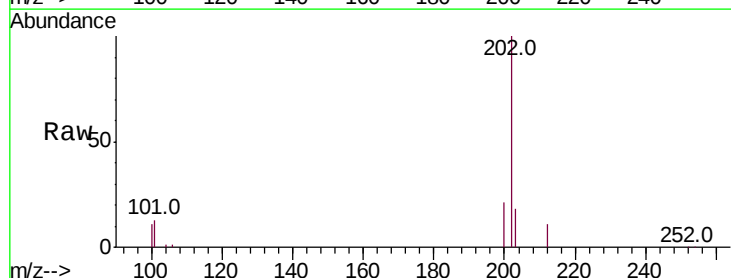
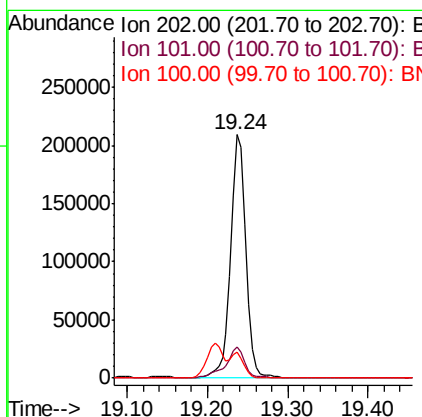
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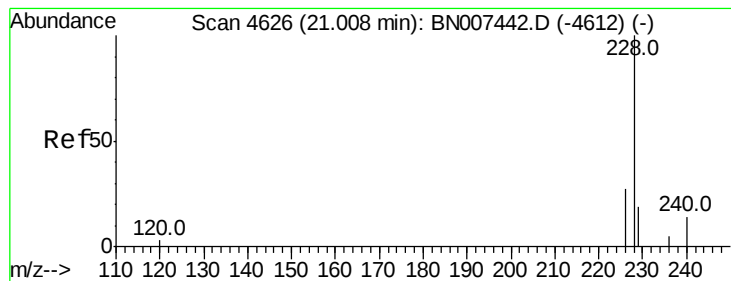
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#17
Pyrene
 Concen: 2.549 ng/ul
 RT: 19.24 min Scan# 4181
 Delta R.T. -0.00 min
 Lab File: BN007444.D
 Acq: 27 Aug 2019 22:29

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	269845		
101	13.0	10.7	16.1	
100	10.6	8.6	12.8	





#18

Benzo(a)anthracene

Concen: 0.778 ng/ul m

RT: 21.00 min Scan# 4624

Delta R.T. -0.01 min

Lab File: BN007444.D

Acq: 27 Aug 2019 22:29

Instrument :

BNA_N

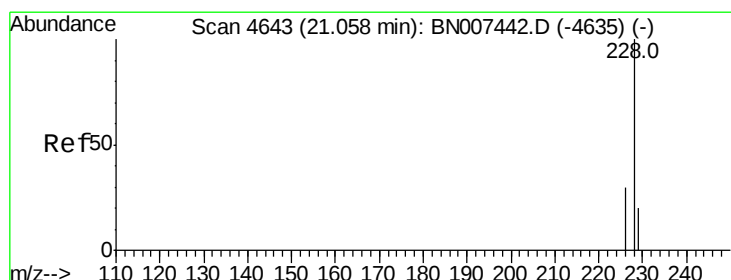
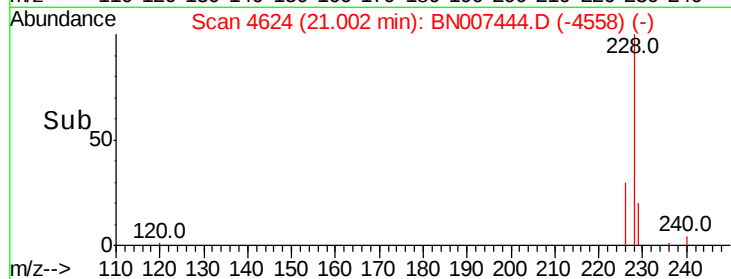
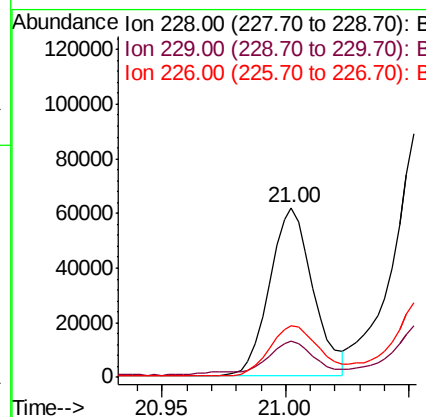
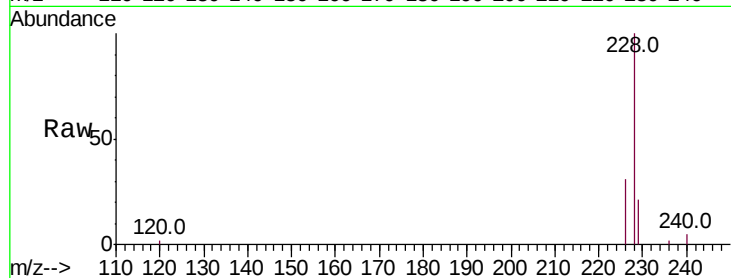
ClientSampleId :

C0AF6

Tot Ion	Ratio	Lower	Upper
228	100		
229	21.4	15.4	23.2
226	30.7	22.0	33.0

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#19

Chrysene

Concen: 1.206 ng/ul

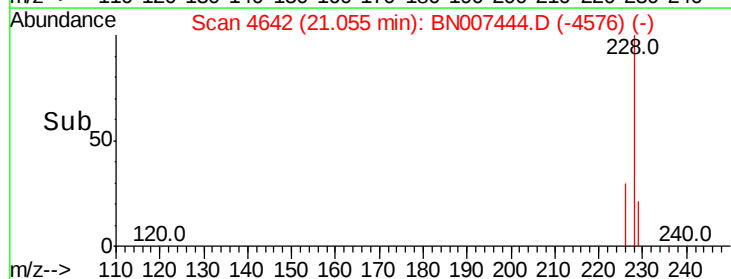
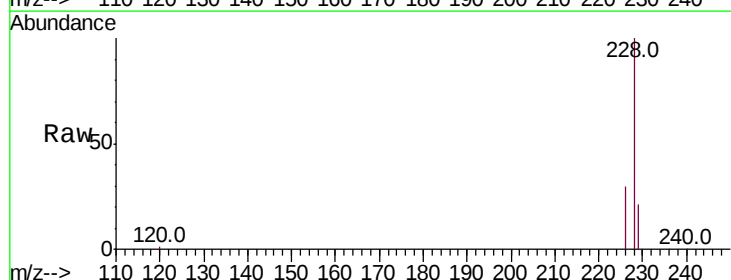
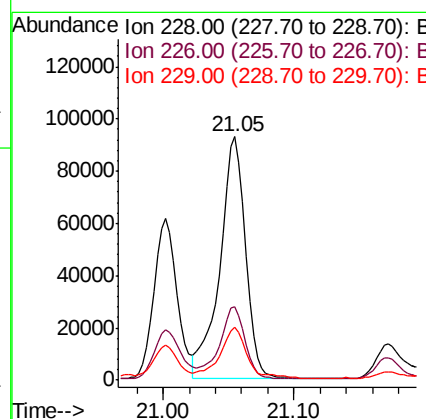
RT: 21.05 min Scan# 4642

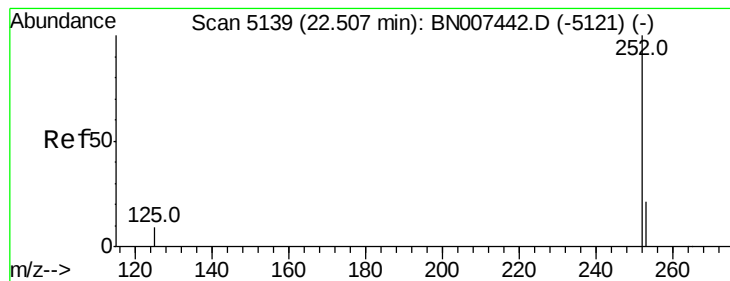
Delta R.T. -0.01 min

Lab File: BN007444.D

Acq: 27 Aug 2019 22:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.1	36.1
229	21.5	16.1	24.1





#21

Benzo(b)fluoranthene

Concen: 1.087 ng/ul m

RT: 22.50 min Scan# 5138

Delta R.T. -0.01 min

Lab File: BN007444.D

Acq: 27 Aug 2019 22:29

Instrument :

BNA_N

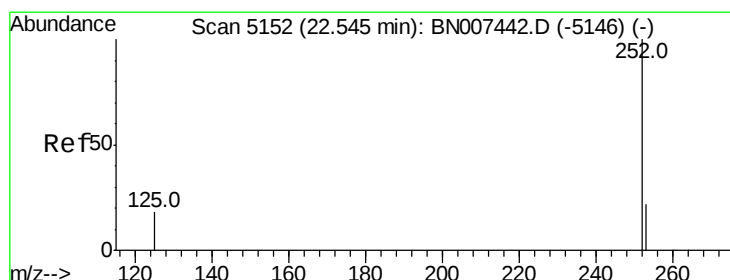
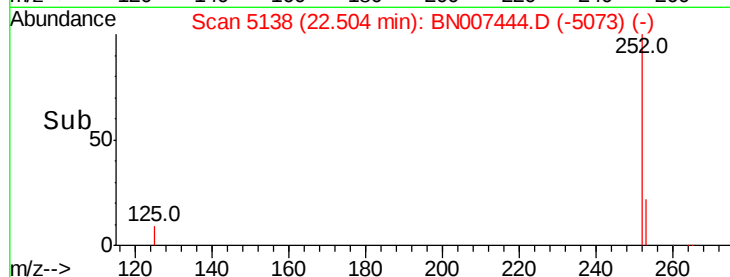
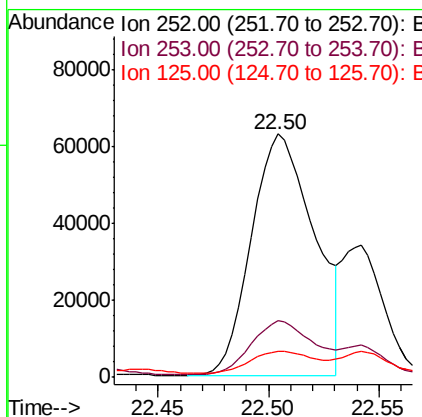
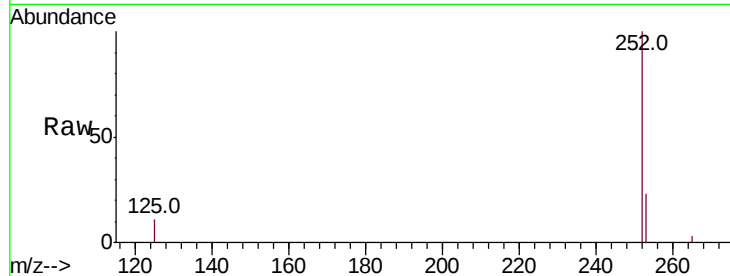
ClientSampleId :

C0AF6

Tot Ion:	252	Resp:	124155
Ion Ratio	Lower	Upper	
252	100		
253	23.1	0.0	47.0
125	10.8	0.0	24.8

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#22

Benzo(k)fluoranthene

Concen: 0.360 ng/ul m

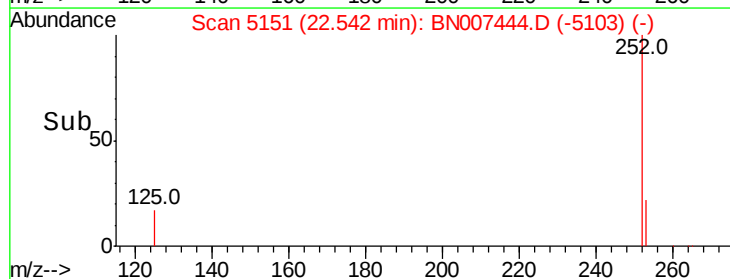
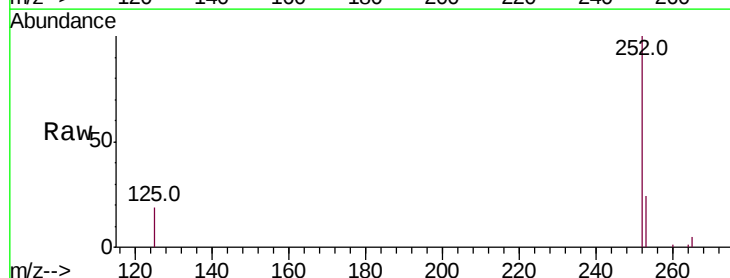
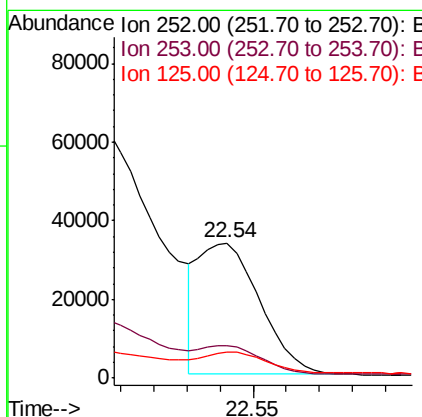
RT: 22.54 min Scan# 5151

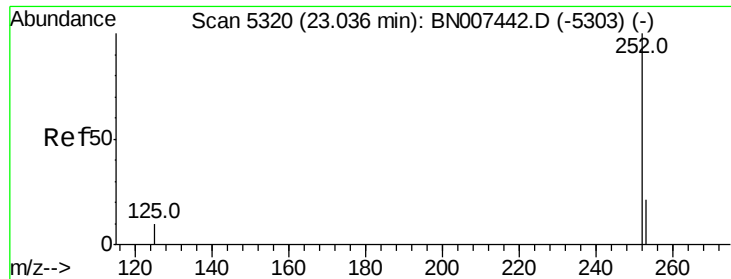
Delta R.T. -0.01 min

Lab File: BN007444.D

Acq: 27 Aug 2019 22:29

Tgt Ion:	252	Resp:	42990
Ion Ratio	Lower	Upper	
252	100		
253	24.4	18.7	28.1
125	19.4	12.4	18.6#





#23

Benzo(a)pyrene

Concen: 0.761 ng/ul

RT: 23.03 min Scan# 5318

Delta R.T. -0.01 min

Lab File: BN007444.D

Acq: 27 Aug 2019 22:29

Instrument :

BNA_N

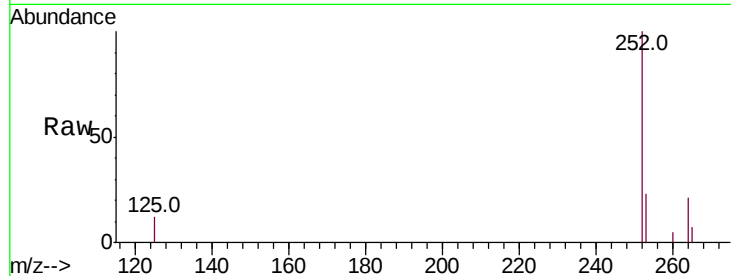
ClientSampleId :

C0AF6

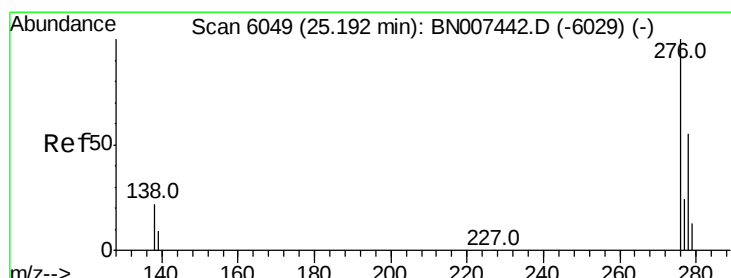
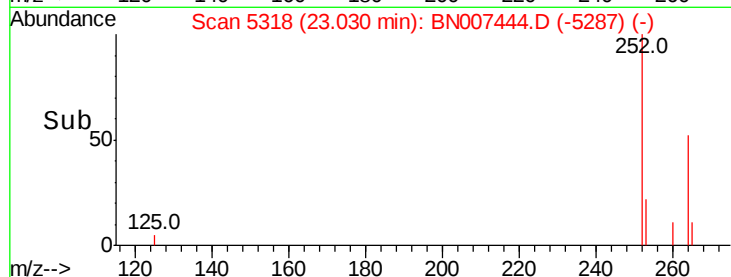
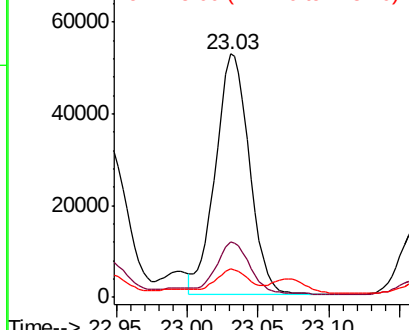
Tot Ion:	252	Resp:	86688
Ion Ratio	Lower	Upper	
252	100		
253	22.8	19.0	28.6
125	11.5	11.2	16.8

Manual Integrations
APPROVED

mohammad
8/28/2019 7:48:02 AM



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: 0.465 ng/ul

RT: 25.18 min Scan# 6046

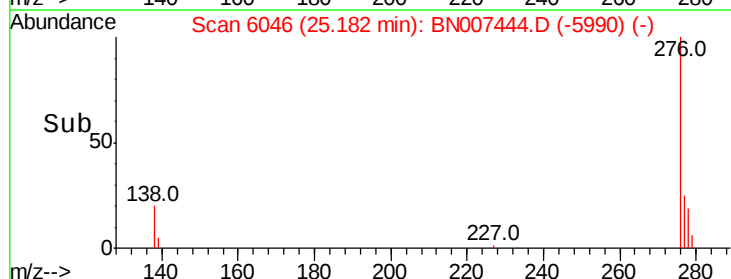
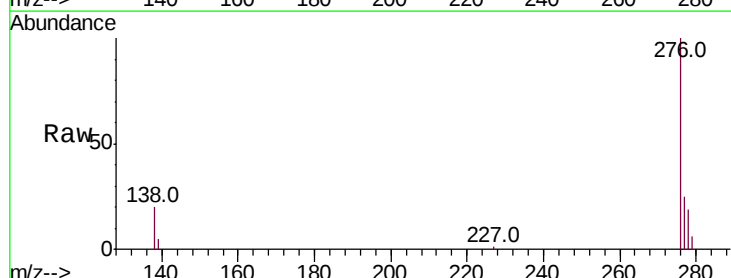
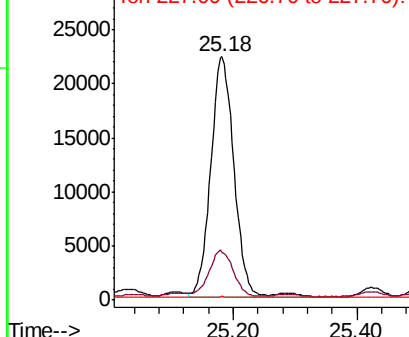
Delta R.T. -0.01 min

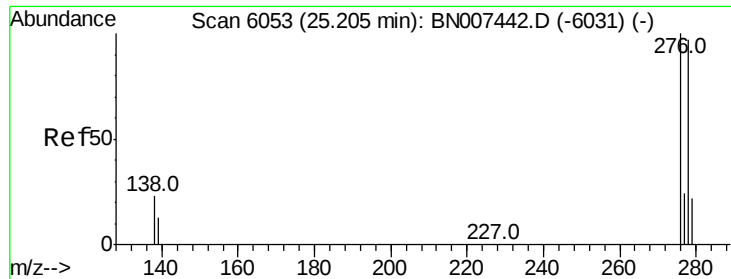
Lab File: BN007444.D

Acq: 27 Aug 2019 22:29

Tgt Ion:	276	Resp:	59233
Ion Ratio	Lower	Upper	
276	100		
138	20.6	19.7	29.5
227	11.1	0.1	0.1#

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.128 ng/ul

RT: 25.18 min Scan# 6047

Delta R.T. -0.03 min

Lab File: BN007444.D

Acq: 27 Aug 2019 22:29

Instrument :

BNA_N

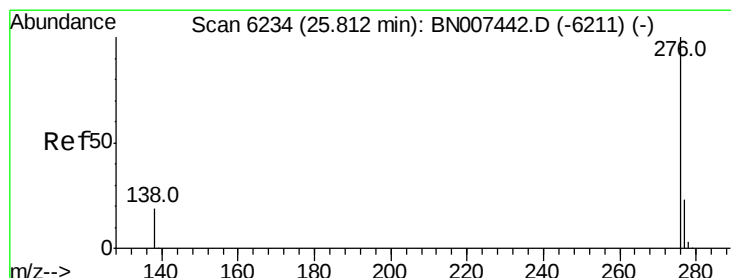
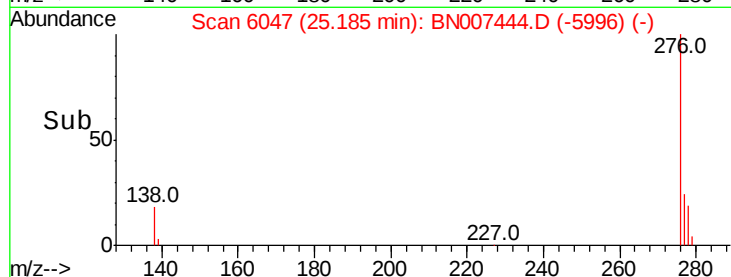
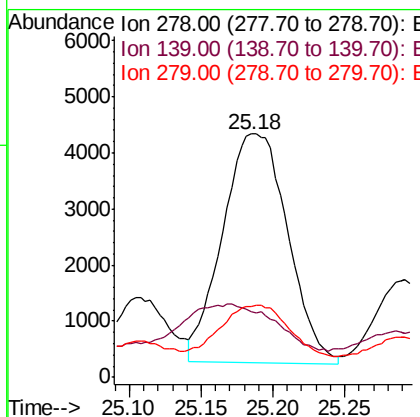
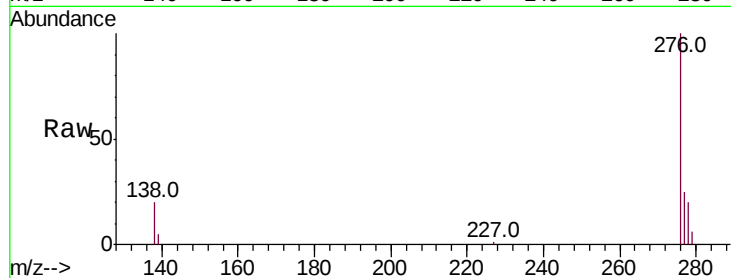
ClientSampled :

C0AF6

Tot Ion:	278	Resp:	12897
Ion Ratio	Lower	Upper	
278	100		
139	27.1	14.6	21.8#
279	29.3	19.8	29.8

Manual Integrations
APPROVED

mohammad
8/28/2019 7:48:02 AM



#26

Benzo(g,h,i)perylene

Concen: 0.515 ng/ul

RT: 25.81 min Scan# 6232

Delta R.T. -0.02 min

Lab File: BN007444.D

Acq: 27 Aug 2019 22:29

Tgt Ion:	276	Resp:	56007
Ion Ratio	Lower	Upper	
276	100		
138	21.3	17.1	25.7
277	24.3	19.4	29.0

