

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN112119\
 Data File : BN008694.D
 Acq On : 22 Nov 2019 02:27
 Operator : JU
 Sample : K5854-08
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AC6

Manual Integrations
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 11/22/2019 1:24:00 PM

Quant Time: Nov 22 07:25:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 22 07:12:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	4249	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	15797	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.23	164	10603	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.97	188	19669	0.40	ng/ul	0.00
16) Chrysene-d12	21.18	240	12568	0.40	ng/ul	0.00
20) Perylene-d12	23.34	264	16877	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	5176	0.20	ng/ul	0.00
14) Fluoranthene-d10	19.01	212	14142	0.24	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.42	128	193170	4.056	ng/ul	98
5) 2-Methylnaphthalene	12.04	142	190223	5.720	ng/ul	100
7) Acenaphthylene	13.95	152	81700	1.394	ng/ul	97
8) Acenaphthene	14.30	153	101251	2.327	ng/ul	98
9) Fluorene	15.29	166	89376	1.750	ng/ul#	97
11) Pentachlorophenol	16.64	266	164	0.022	ng/ul#	85
12) Phenanthrene	17.02	178	1756393	26.478	ng/ul	98
13) Anthracene	17.11	178	534536	8.528	ng/ul	98
15) Fluoranthene	19.04	202	3798450	46.609	ng/ul	92
17) Pyrene	19.40	202	3379099	67.018	ng/ul#	94
18) Benzo(a)anthracene	21.16	228	1640112	32.450	ng/ul	97
19) Chrysene	21.21	228	1514786	30.514	ng/ul	96
21) Benzo(b)fluoranthene	22.70	252	1842327m	26.472	ng/ul	
22) Benzo(k)fluoranthene	22.74	252	616391m	8.930	ng/ul	
23) Benzo(a)pyrene	23.25	252	1191213m	18.235	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.48	276	740121	9.688	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.49	278	182076	2.951	ng/ul	97
26) Benzo(g,h,i)perylene	26.14	276	688497	10.773	ng/ul	99

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

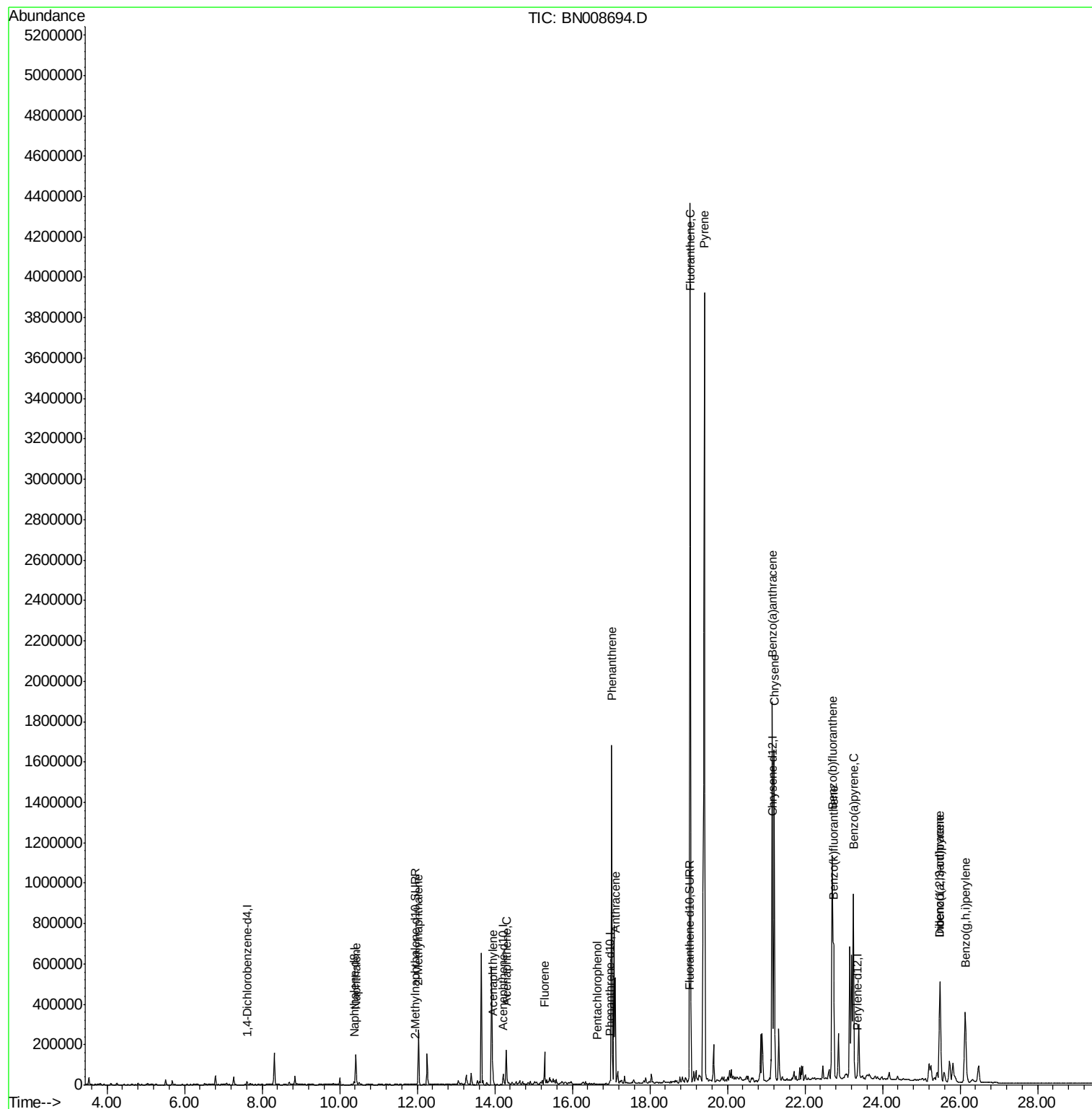
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN112119\
Data File : BN008694.D
Acq On : 22 Nov 2019 02:27
Operator : JU
Sample : K5854-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

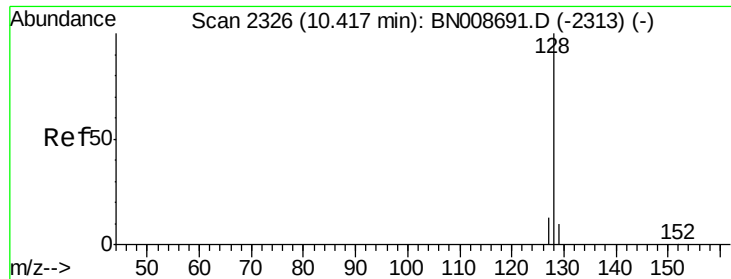
Instrument :
BNA_N
ClientSampleId :
C0AC6

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Quant Time: Nov 22 07:25:31 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN11519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 22 07:12:34 2019
Response via : Initial Calibration





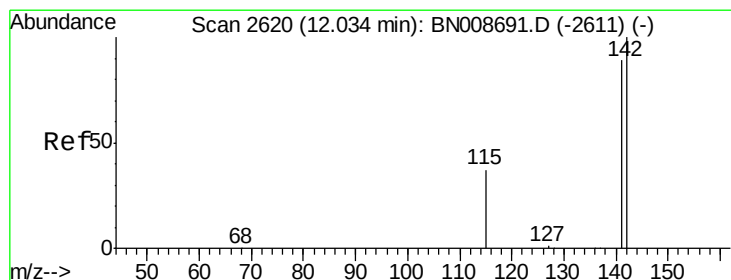
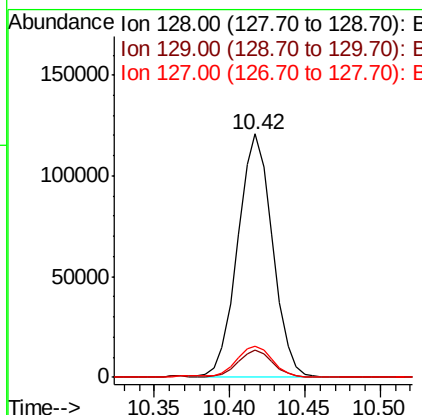
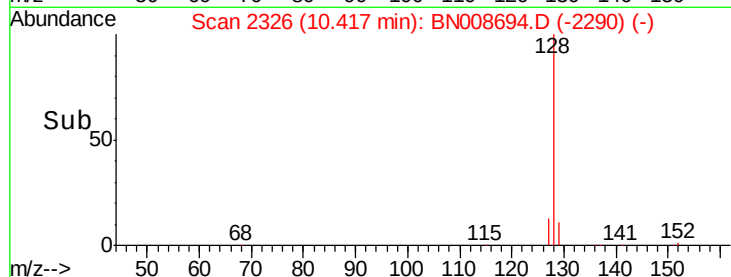
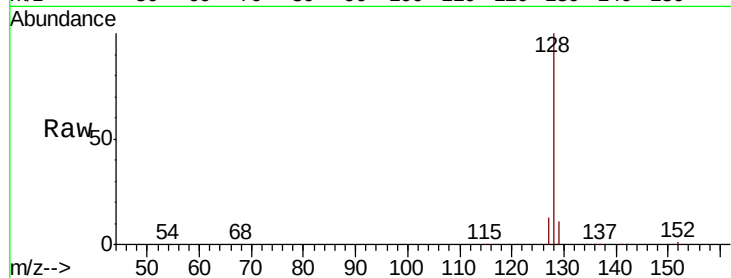
#3
Naphthalene
Concen: 4.056 ng/ul
RT: 10.42 min Scan# 2326
Delta R.T. 0.00 min
Lab File: BN008694.D
Acq: 22 Nov 2019 02:27

Instrument :
BNA_N
ClientSampleId :
C0AC6

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.7	14.5
127	13.0	10.8	16.2

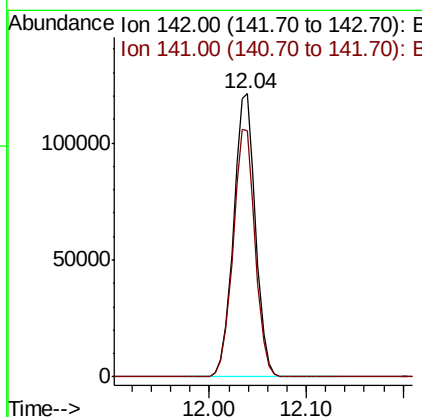
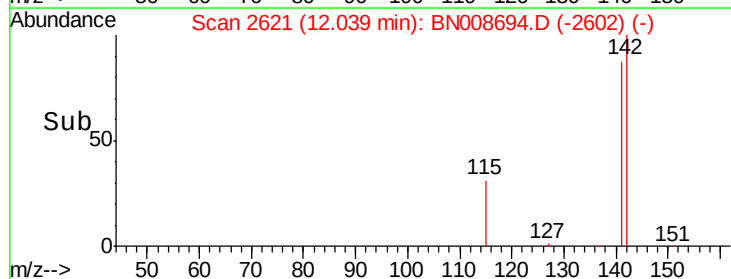
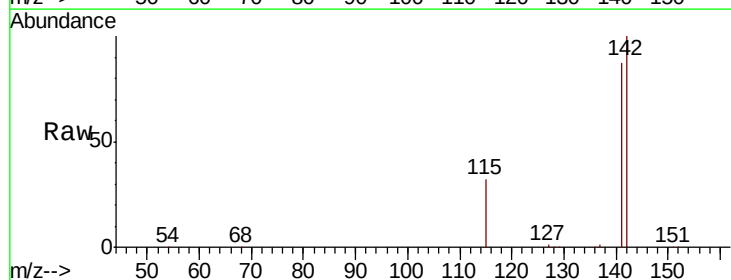
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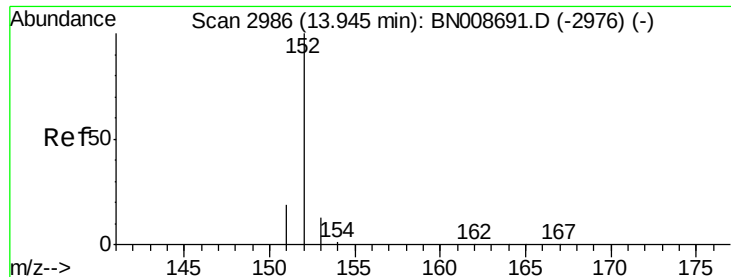
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#5
2-Methylnaphthalene
Concen: 5.720 ng/ul
RT: 12.04 min Scan# 2621
Delta R.T. 0.01 min
Lab File: BN008694.D
Acq: 22 Nov 2019 02:27

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.5	105.7





#7

Acenaphthylene

Concen: 1.394 ng/ul

RT: 13.95 min Scan# 2987

Delta R.T. 0.00 min

Lab File: BN008694.D

Acq: 22 Nov 2019 02:27

Instrument :

BNA_N

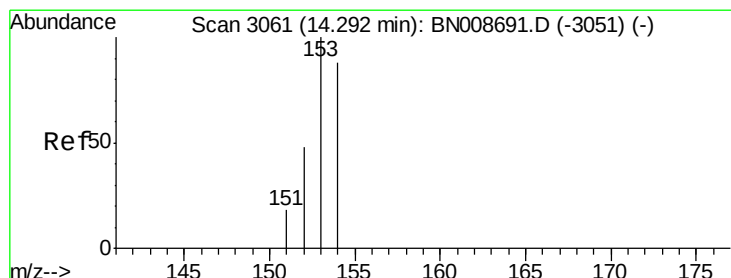
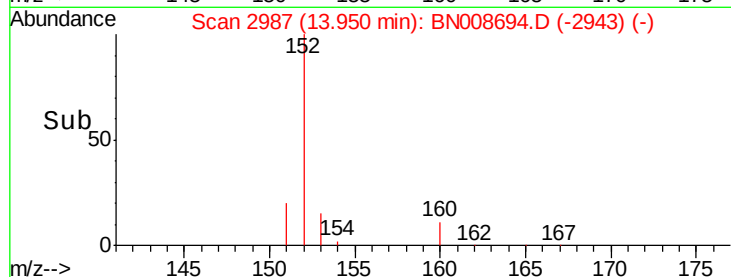
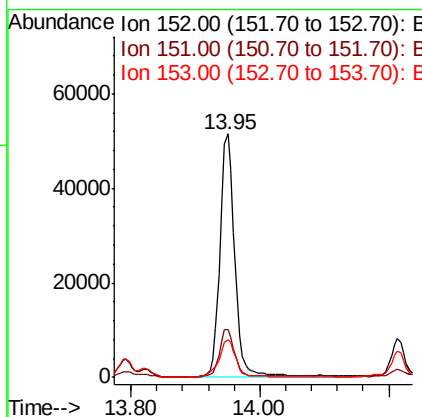
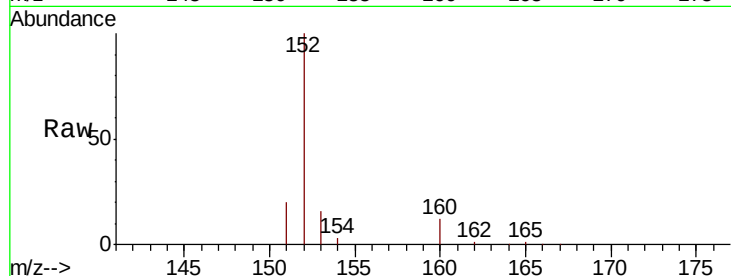
ClientSampleId :

C0AC6

Tot Ion:	152	Resp:	81700
Ion Ratio	Lower	Upper	
152	100		
151	19.8	16.6	24.8
153	15.6	11.1	16.7

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#8

Acenaphthene

Concen: 2.327 ng/ul

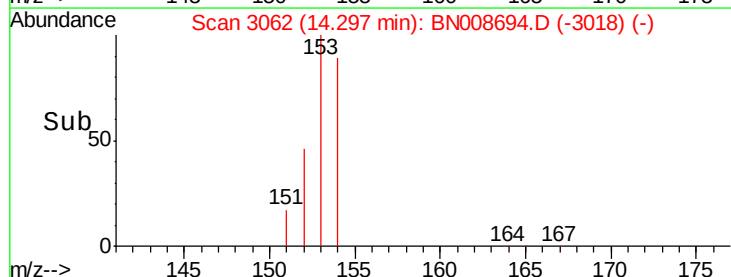
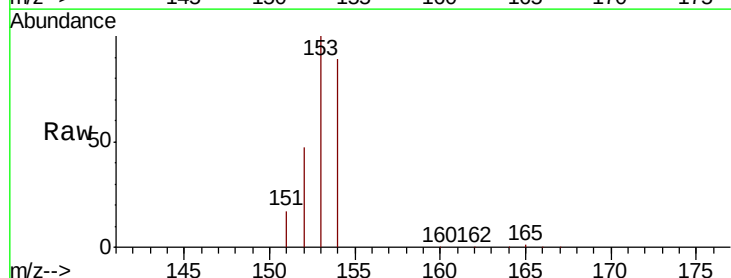
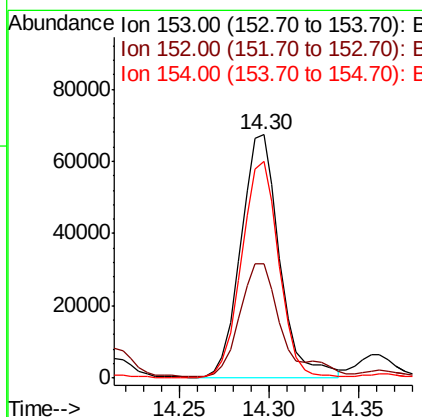
RT: 14.30 min Scan# 3062

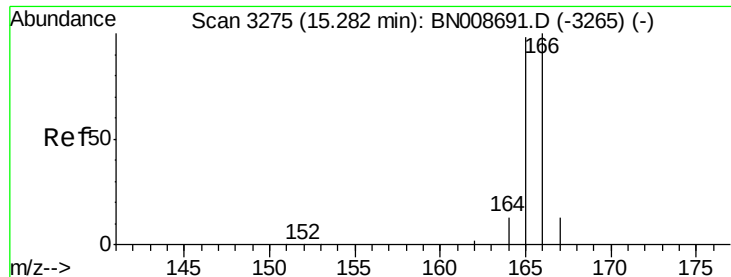
Delta R.T. 0.00 min

Lab File: BN008694.D

Acq: 22 Nov 2019 02:27

Tgt Ion:	153	Resp:	101251
Ion Ratio	Lower	Upper	
153	100		
152	46.8	39.6	59.4
154	89.2	70.6	106.0





#9

Fluorene

Concen: 1.750 ng/ul

RT: 15.29 min Scan# 3276

Delta R.T. 0.00 min

Lab File: BN008694.D

Acq: 22 Nov 2019 02:27

Instrument :

BNA_N

ClientSampleId :

C0AC6

Tot Ion:166 Resp: 89376

Ion Ratio Lower Upper

166 100

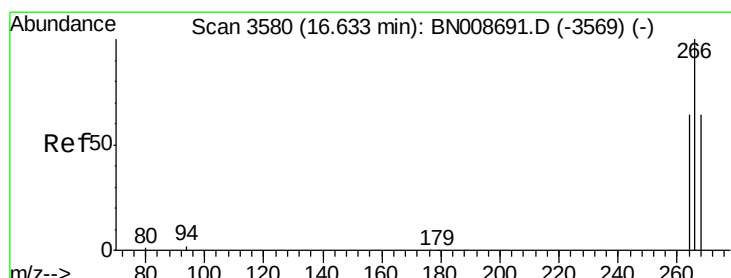
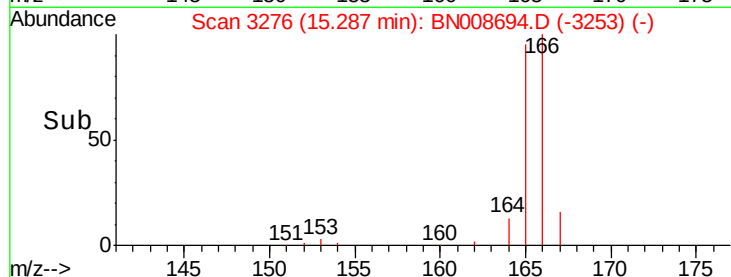
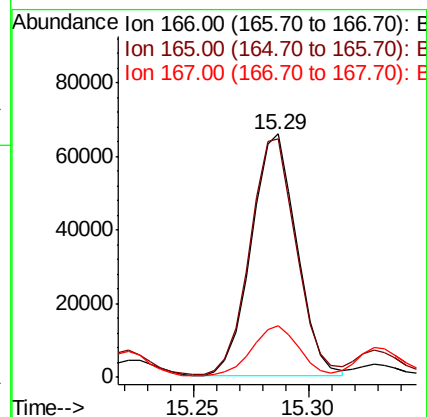
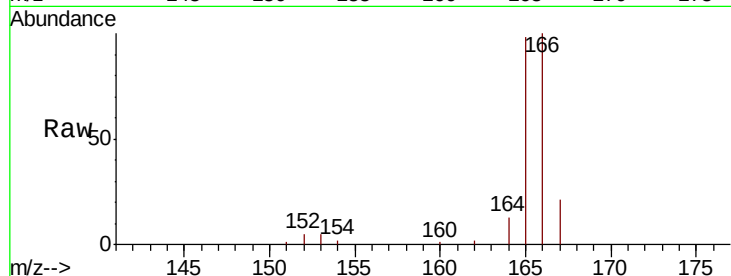
165 97.8 77.4 116.0

167 21.3 11.4 17.0#

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#11

Pentachlorophenol

Concen: 0.022 ng/ul

RT: 16.64 min Scan# 3581

Delta R.T. 0.00 min

Lab File: BN008694.D

Acq: 22 Nov 2019 02:27

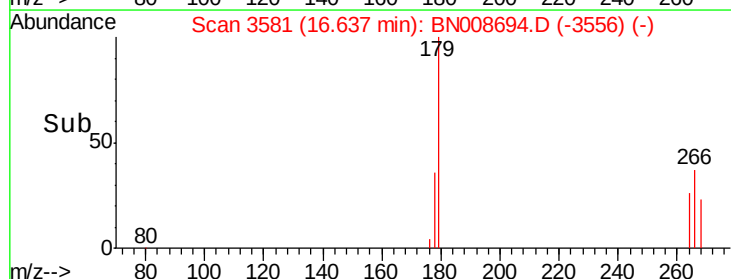
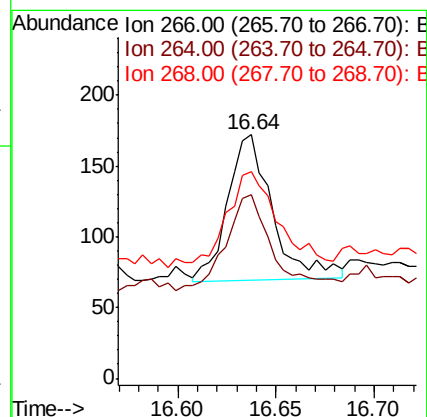
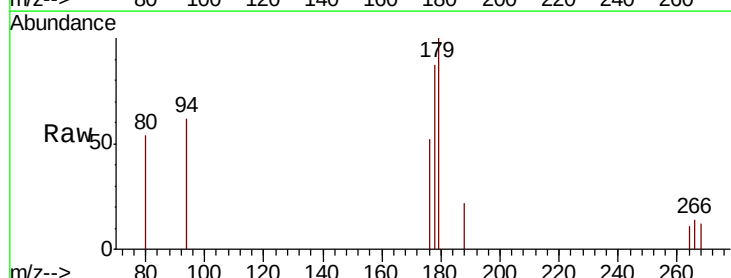
Tgt Ion:266 Resp: 164

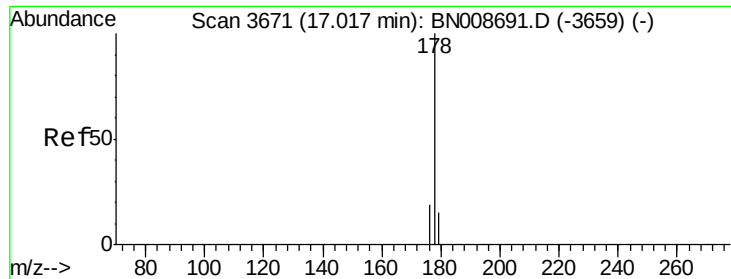
Ion Ratio Lower Upper

266 100

264 70.1 49.2 73.8

268 78.0 50.9 76.3#





#12

Phenanthrene

Concen: 26.478 ng/ul

RT: 17.02 min Scan# 3671

Delta R.T. 0.00 min

Lab File: BN008694.D

Acq: 22 Nov 2019 02:27

Instrument :

BNA_N

ClientSampleId :

C0AC6

Tot Ion:178 Resp: 1756393

Ion Ratio Lower Upper

178 100

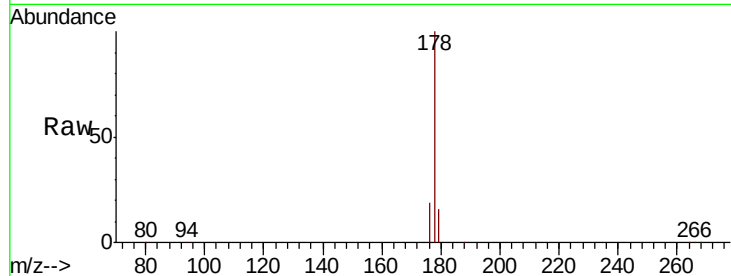
179 15.5 12.8 19.2

176 18.8 16.0 24.0

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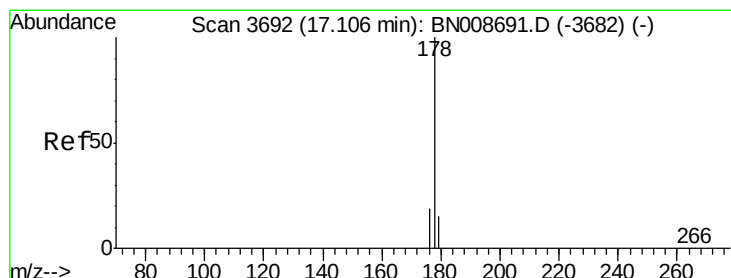
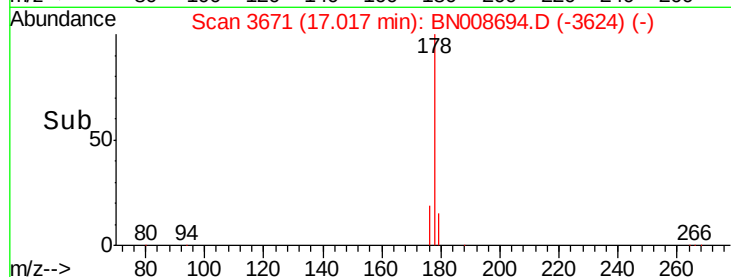
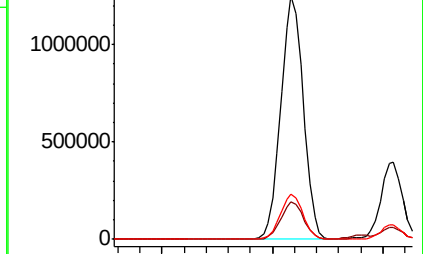
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#13

Anthracene

Concen: 8.528 ng/ul

RT: 17.11 min Scan# 3693

Delta R.T. 0.00 min

Lab File: BN008694.D

Acq: 22 Nov 2019 02:27

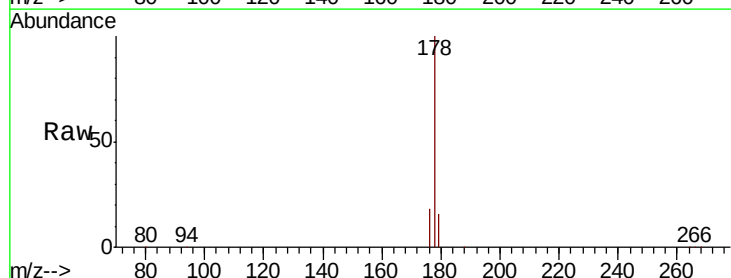
Tgt Ion:178 Resp: 534536

Ion Ratio Lower Upper

178 100

179 15.6 13.0 19.4

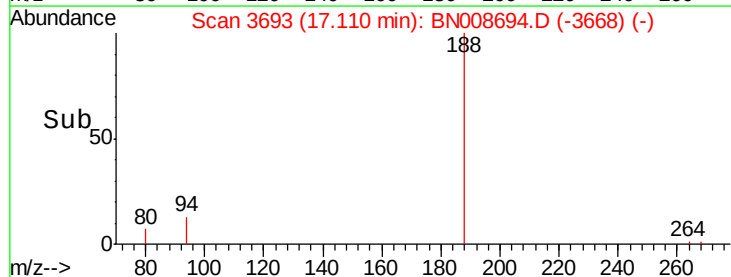
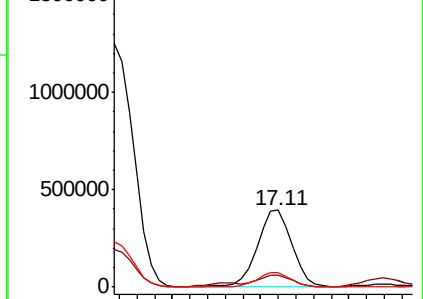
176 18.1 15.3 22.9

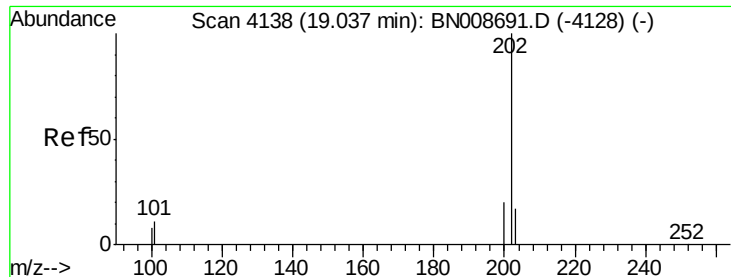


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 46.609 ng/ul

RT: 19.04 min Scan# 4139

Delta R.T. 0.00 min

Lab File: BN008694.D

Acq: 22 Nov 2019 02:27

Instrument :

BNA_N

ClientSampleId :

C0AC6

Tot Ion:202 Resp: 3798450

Ion Ratio Lower Upper

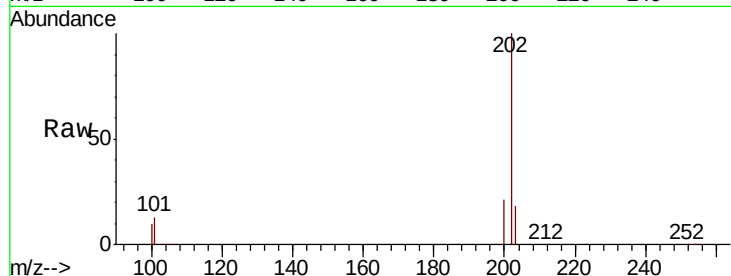
202 100

101 12.7 0.0 29.6

100 9.7 0.0 27.0

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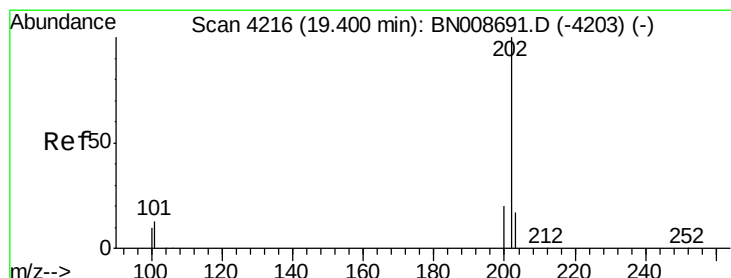
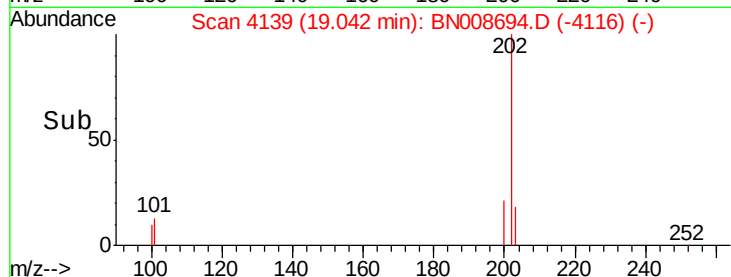
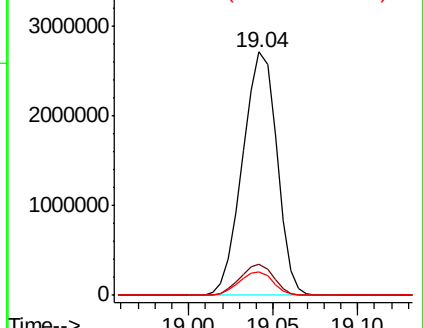
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#17

Pyrene

Concen: 67.018 ng/ul

RT: 19.40 min Scan# 4217

Delta R.T. 0.00 min

Lab File: BN008694.D

Acq: 22 Nov 2019 02:27

Tgt Ion:202 Resp: 3379099

Ion Ratio Lower Upper

202 100

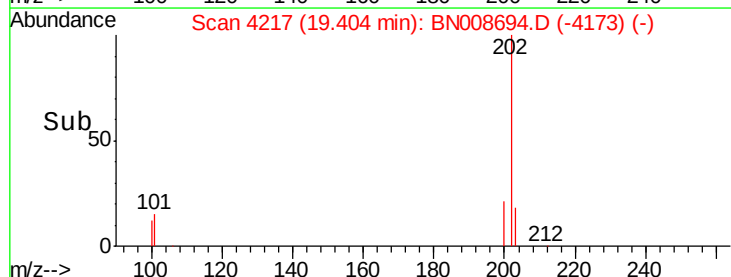
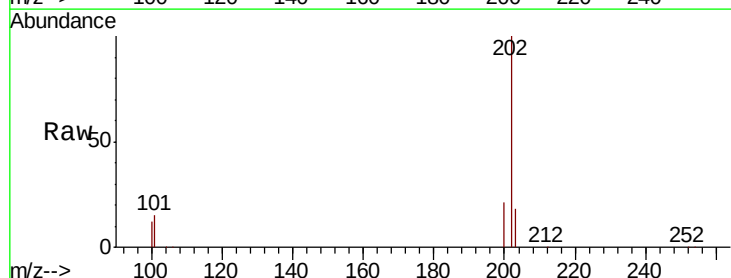
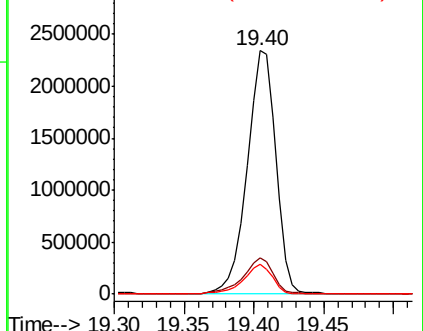
101 15.1 10.2 15.2

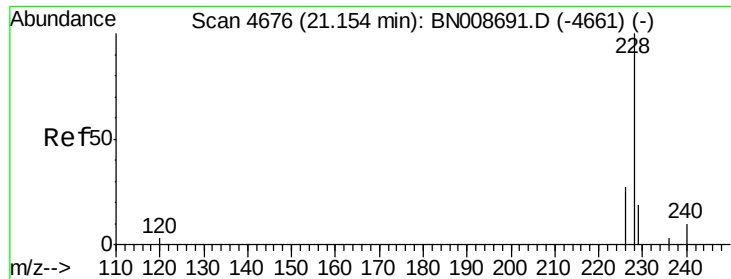
100 12.4 8.2 12.2#

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





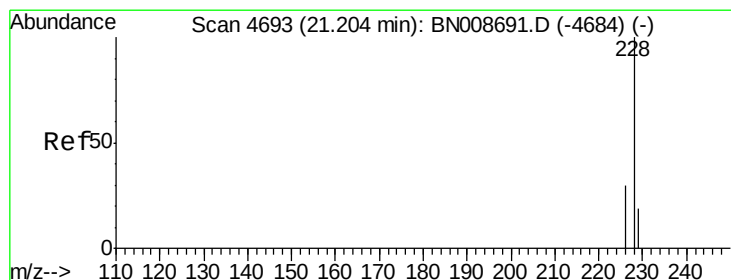
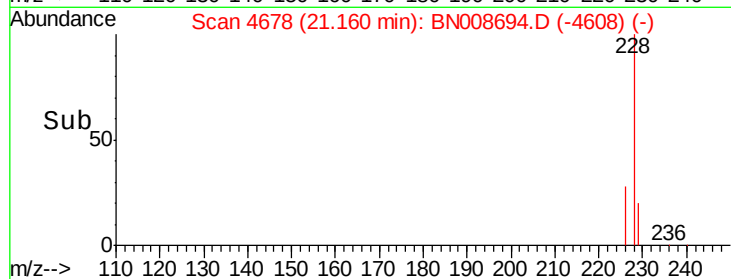
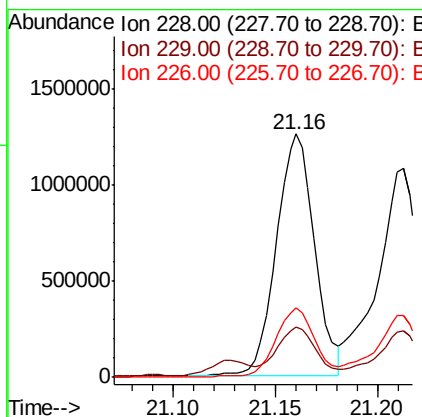
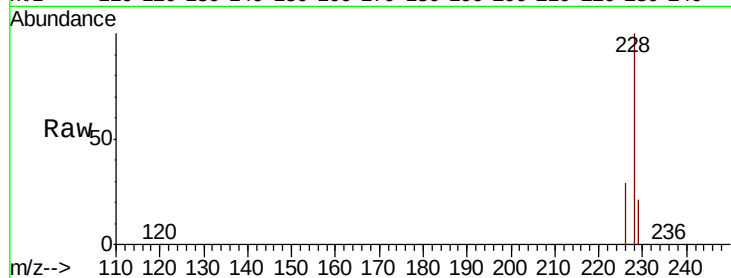
#18
Benzo(a)anthracene
Concen: 32.450 ng/ul
RT: 21.16 min Scan# 4678
Delta R.T. 0.01 min
Lab File: BN008694.D
Acq: 22 Nov 2019 02:27

Instrument :
BNA_N
ClientSampleId :
C0AC6

Tot Ion:228 Resp: 1640112
Ion Ratio Lower Upper
228 100
229 20.7 15.8 23.6
226 28.5 21.6 32.4

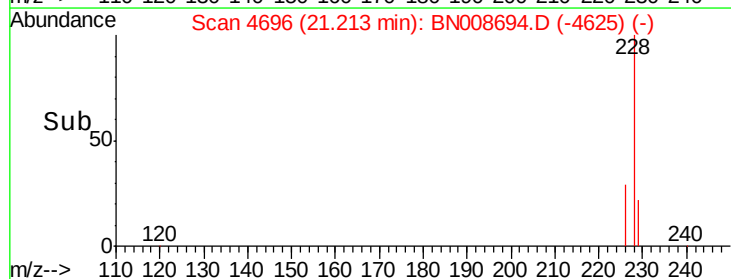
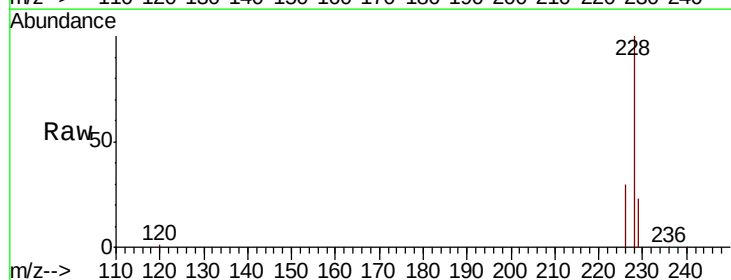
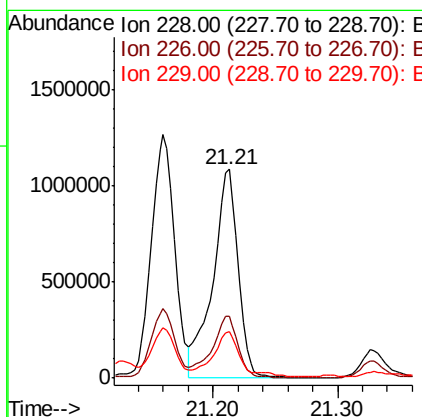
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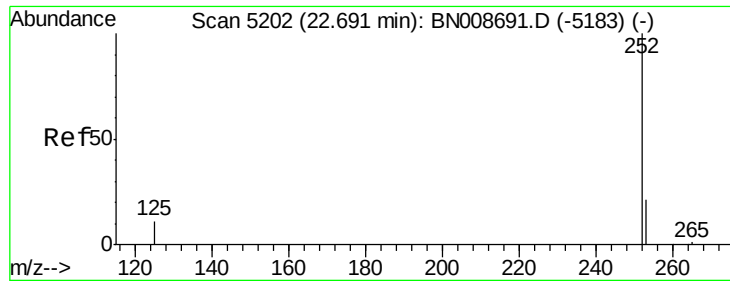
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#19
Chrysene
Concen: 30.514 ng/ul
RT: 21.21 min Scan# 4696
Delta R.T. 0.01 min
Lab File: BN008694.D
Acq: 22 Nov 2019 02:27

Tgt Ion:228 Resp: 1514786
Ion Ratio Lower Upper
228 100
226 29.6 24.5 36.7
229 22.5 15.5 23.3





#21

Benzo(b)fluoranthene

Concen: 26.472 ng/ul m

RT: 22.70 min Scan# 5206

Delta R.T. 0.01 min

Lab File: BN008694.D

Acq: 22 Nov 2019 02:27

Instrument :

BNA_N

ClientSampleId :

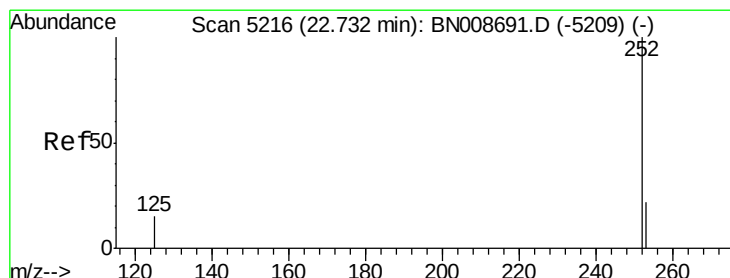
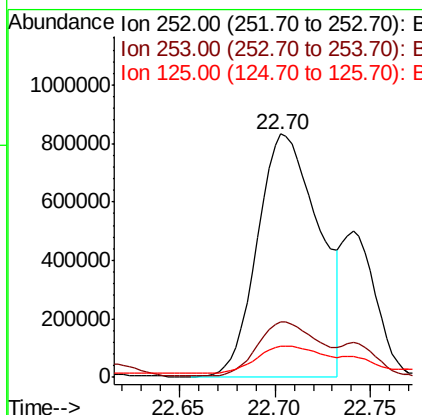
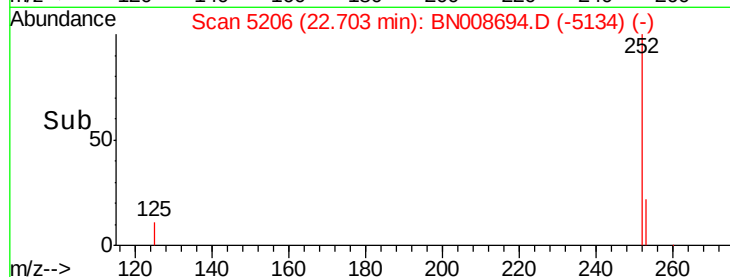
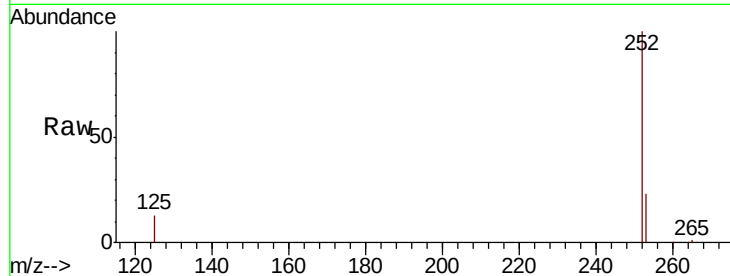
C0AC6

Tot Ion:252 Resp: 1842327

Ion	Ratio	Lower	Upper
252	100		
253	23.0	0.0	50.2
125	12.9	0.0	30.0

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#22

Benzo(k)fluoranthene

Concen: 8.930 ng/ul m

RT: 22.74 min Scan# 5219

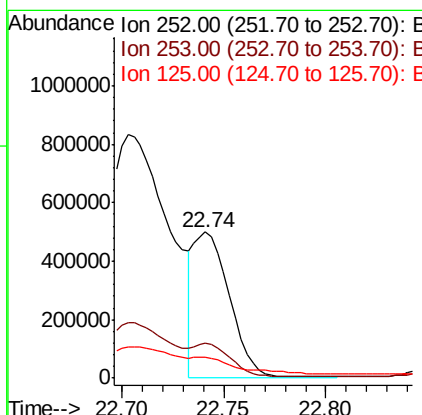
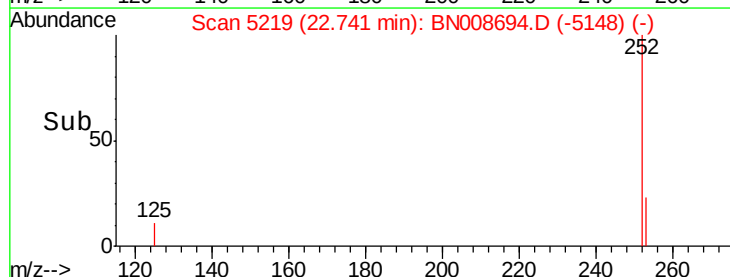
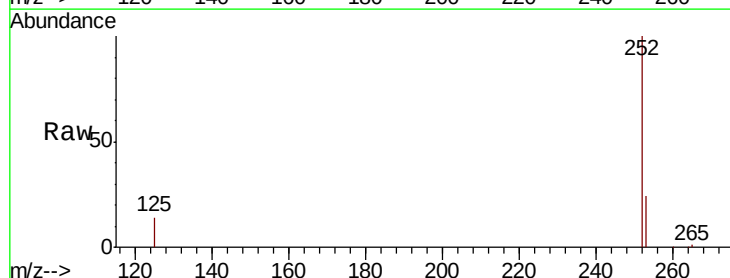
Delta R.T. 0.01 min

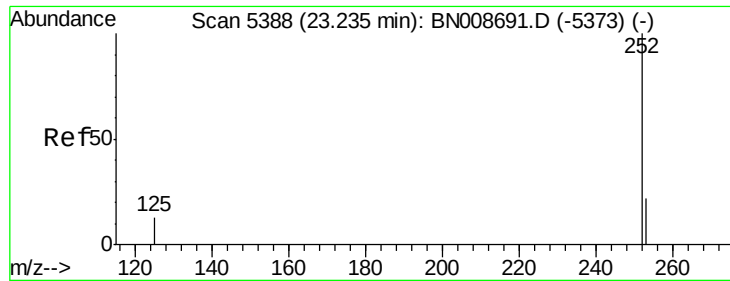
Lab File: BN008694.D

Acq: 22 Nov 2019 02:27

Tgt Ion:252 Resp: 616391

Ion	Ratio	Lower	Upper
252	100		
253	23.6	20.5	30.7
125	14.2	15.0	22.4#





#23

Benzo(a)pyrene

Concen: 18.235 ng/ul m

RT: 23.25 min Scan# 5393

Delta R.T. 0.01 min

Lab File: BN008694.D

Acq: 22 Nov 2019 02:27

Instrument :

BNA_N

ClientSampled :

C0AC6

Tot Ion:252 Resp: 1191213

Ion Ratio Lower Upper

252 100

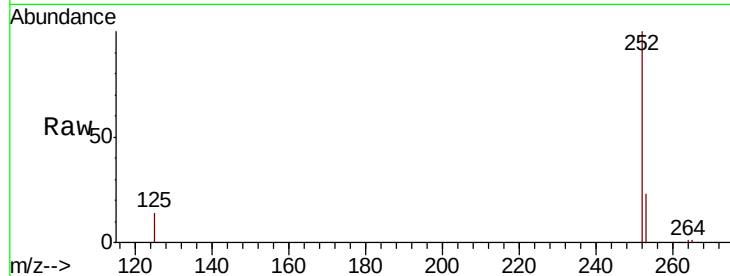
253 23.1 21.4 32.2

125 13.8 13.8 20.8#

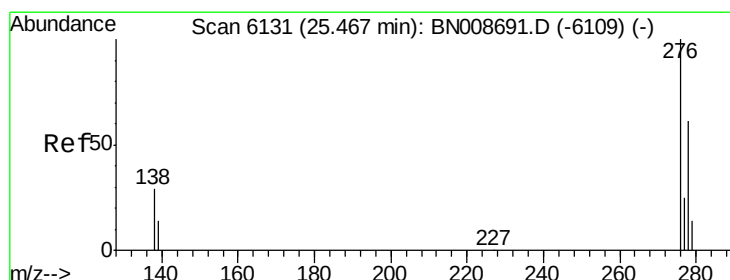
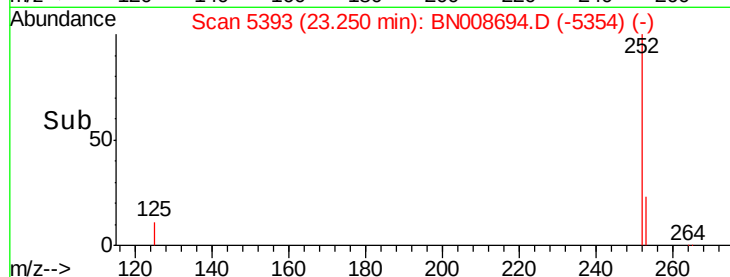
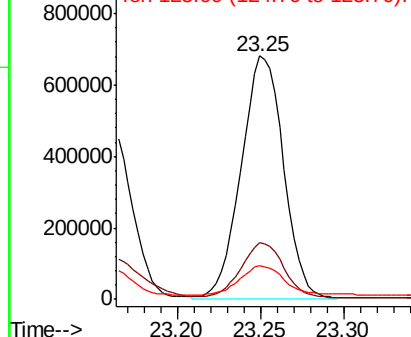
Manual Integrations
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11/22/2019 1:24:00 PM



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 9.688 ng/ul

RT: 25.48 min Scan# 6136

Delta R.T. 0.02 min

Lab File: BN008694.D

Acq: 22 Nov 2019 02:27

Tgt Ion:276 Resp: 740121

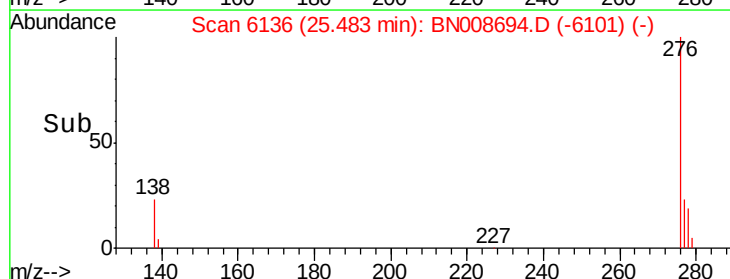
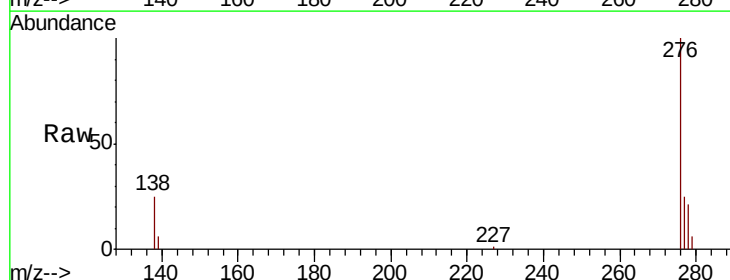
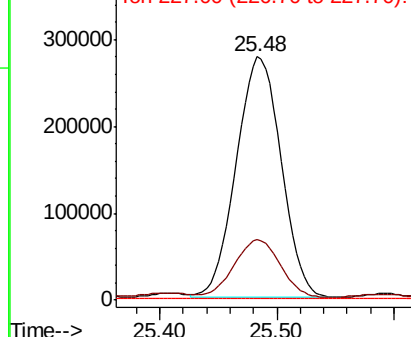
Ion Ratio Lower Upper

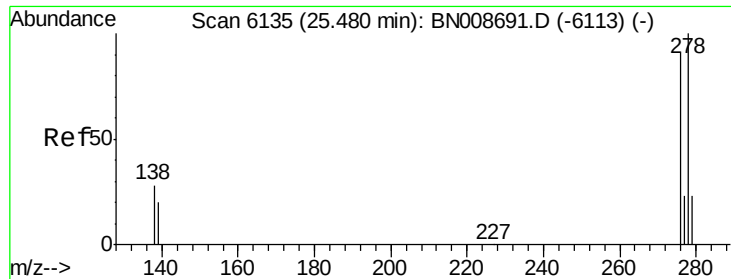
276 100

138 24.1 21.7 32.5

227 0.2 0.2 0.2#

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





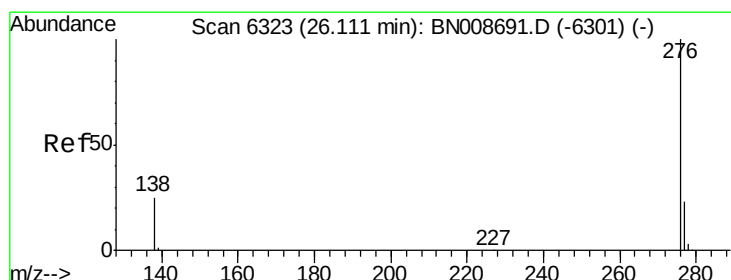
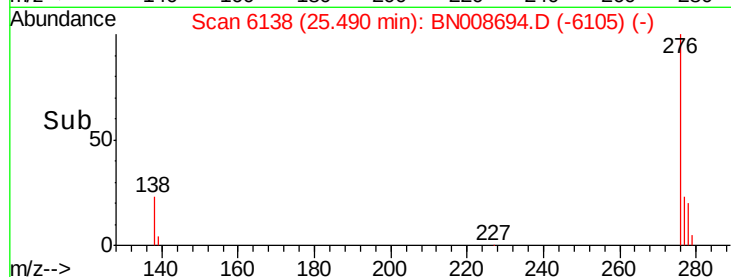
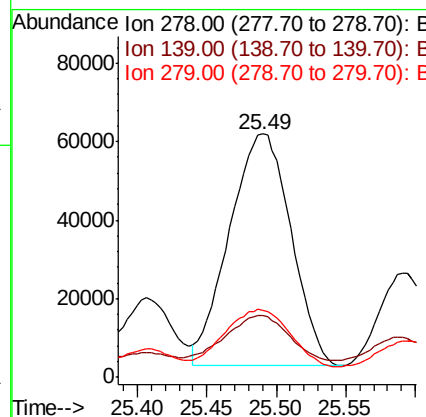
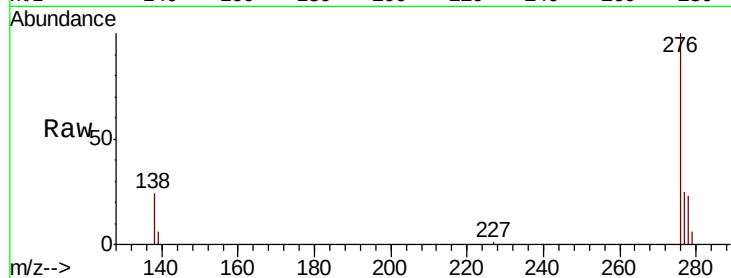
#25
Dibenzo(a,h)anthracene
Concen: 2.951 ng/ul
RT: 25.49 min Scan# 6138
Delta R.T. 0.01 min
Lab File: BN008694.D
Acq: 22 Nov 2019 02:27

Instrument :
BNA_N
ClientSampleId :
C0AC6

Tot Ion	Ratio	Lower	Upper
278	100		
139	25.3	18.7	28.1
279	27.4	20.8	31.2

Manual Integrations
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mohammad
11/22/2019 1:24:00 PM



#26
Benzo(g,h,i)perylene
Concen: 10.773 ng/ul
RT: 26.14 min Scan# 6331
Delta R.T. 0.03 min
Lab File: BN008694.D
Acq: 22 Nov 2019 02:27

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.1	20.0	30.0
277	24.2	20.0	30.0

