

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081019\
 Data File : BN007075.D
 Acq On : 11 Aug 2019 08:00
 Operator : HP/JU
 Sample : K4143-08
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-006-SW130-073019

Manual Integrations
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mohammad
 8/14/2019 2:56:58 AM

Quant Time: Aug 12 06:46:59 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN081019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Aug 10 21:44:50 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	10055	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	38411	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	22421	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	56258	0.40	ng	0.00
26) Chrysene-d12	21.05	240	58986	0.40	ng	-0.01
32) Perylene-d12	23.16	264	62812	0.40	ng	-0.01

System Monitoring Compounds

3) 2-Fluorophenol	5.06	112	4913	0.20	ng	0.00
4) Phenol-d6	6.61	99	6693	0.22	ng	0.00
7) Nitrobenzene-d5	8.56	82	5256	0.17	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	12222	0.17	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	1706	0.14	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	4039	0.12	ng	0.00
24) Fluoranthene-d10	18.87	212	29958	0.15	ng	0.00
28) Terphenyl-d14	19.49	244	21981	0.14	ng	-0.01

Target Compounds

						Qvalue
8) Naphthalene	10.24	128	2362	0.022	ng	# 88
15) Acenaphthylene	13.79	152	11844	0.101	ng	99
17) Fluorene	15.13	166	2554	0.023	ng	91
22) Phenanthrene	16.87	178	70271	0.417	ng	100
23) Anthracene	16.95	178	14253	0.093	ng	# 94
25) Fluoranthene	18.90	202	188835	0.876	ng	100
27) Pyrene	19.26	202	177529	0.858	ng	# 96
29) Benzo(a)anthracene	21.02	228	106964	0.496	ng	96
30) Chrysene	21.08	228	111433	0.532	ng	98
31) Indeno(1,2,3-cd)pyrene	25.23	276	63570	0.275	ng	98
33) Benzo(b)fluoranthene	22.54	252	142458	0.661	ng	99
34) Benzo(k)fluoranthene	22.57	252	47598m	0.224	ng	
35) Benzo(a)pyrene	23.07	252	92190	0.472	ng	99
36) Dibenzo(a,h)anthracene	25.24	278	17366	0.089	ng	# 87
37) Benzo(g,h,i)perylene	25.86	276	64583	0.322	ng	99

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

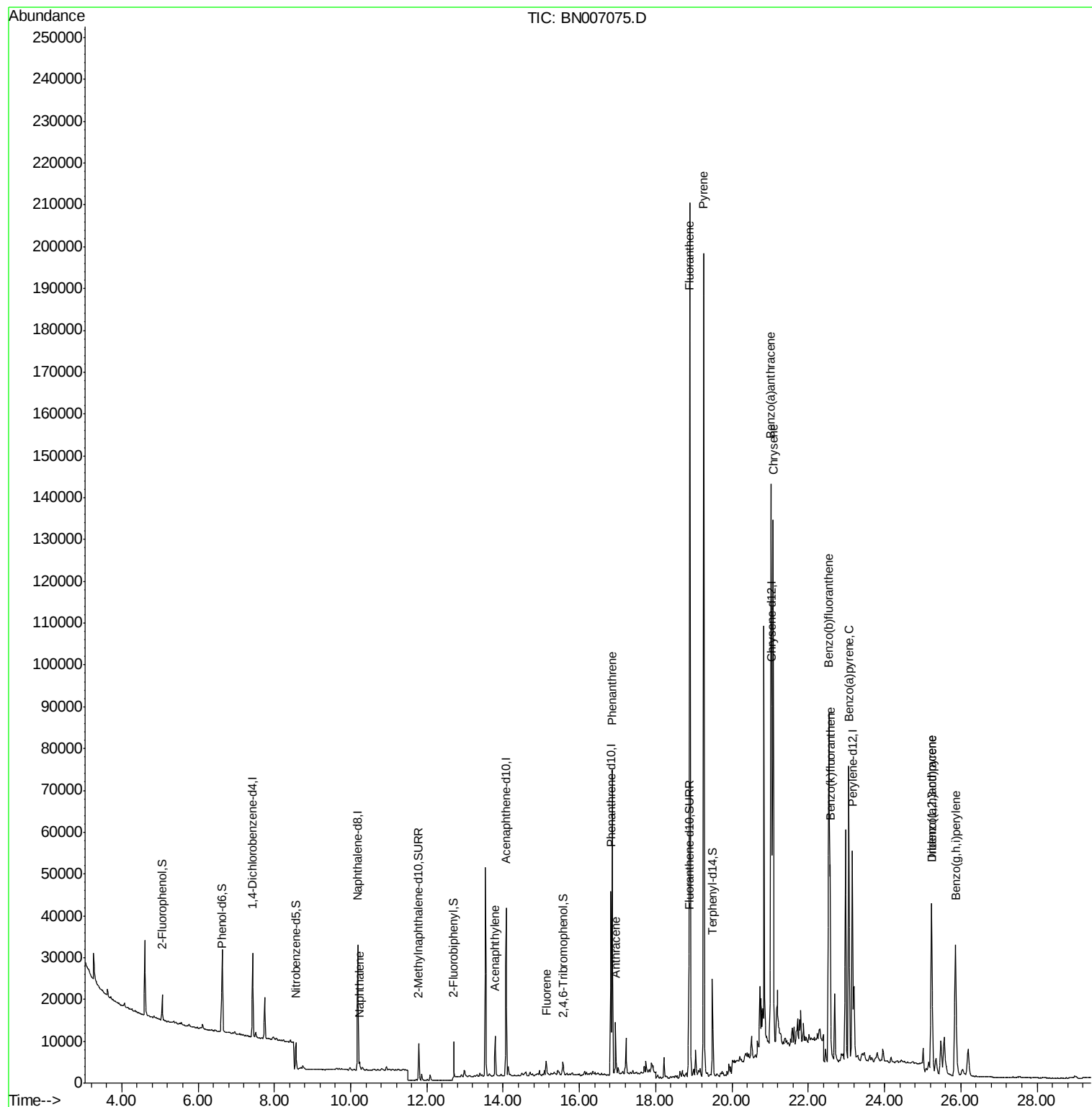
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081019\
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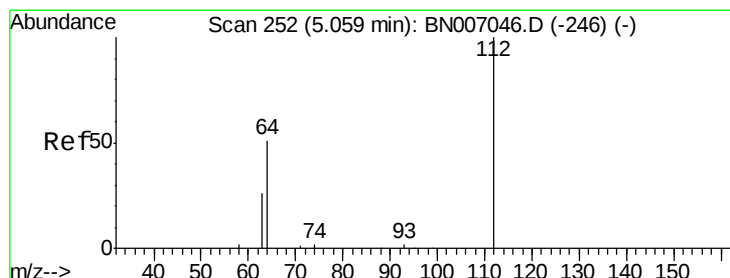
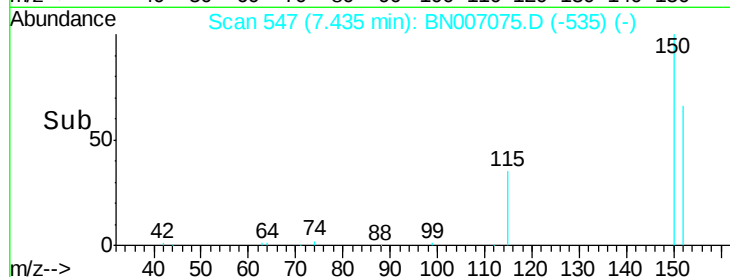
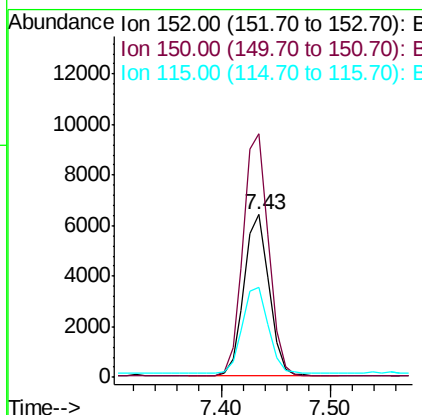
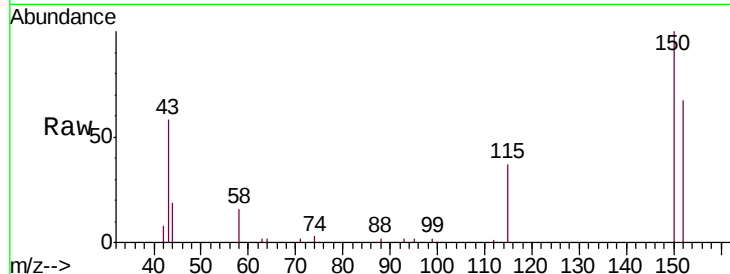
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 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.43 min Scan# 547
 Delta R.T. -0.00 min
 Lab File: BN007075.D
 Acq: 11 Aug 2019 08:00

Instrument :
 BNA_N
 ClientSampleId :
 EXT-006-SW130-073019

Tgt Ion	Ratio	Lower	Upper
152	100		
150	150.0	121.7	182.5
115	55.2	46.2	69.4

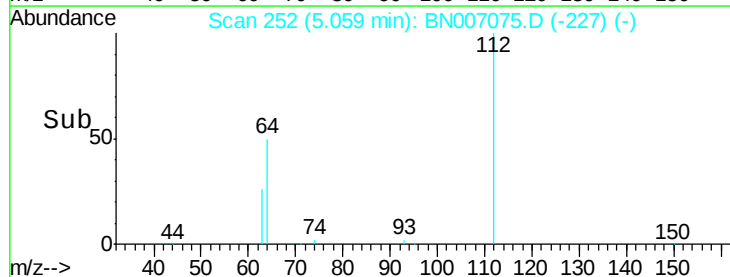
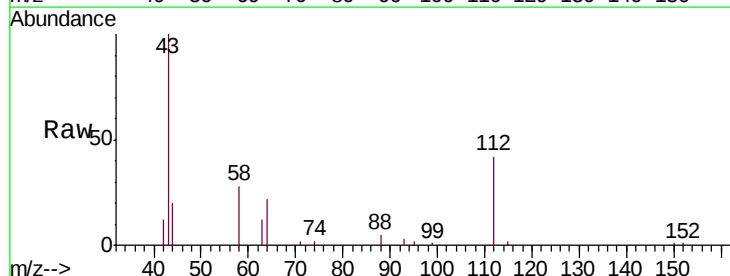
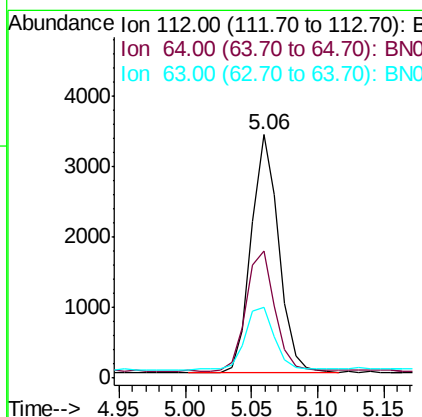
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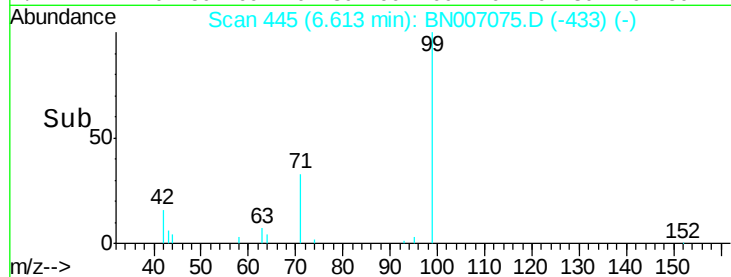
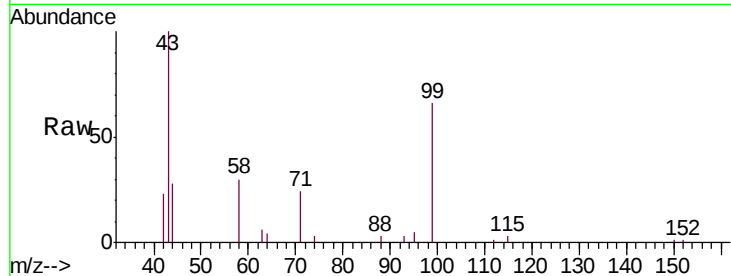
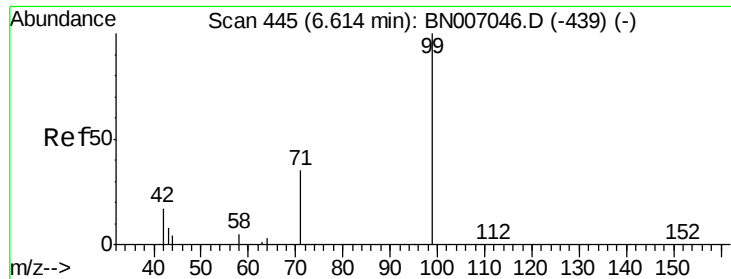
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#3
 2-Fluorophenol
 Concen: 0.203 ng
 RT: 5.06 min Scan# 252
 Delta R.T. -0.00 min
 Lab File: BN007075.D
 Acq: 11 Aug 2019 08:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.2	42.6	63.8
63	28.1	22.2	33.2





#4

Phenol-d6

Concen: 0.224 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007075.D

Acq: 11 Aug 2019 08:00

Tgt Ion:	99	Resp:	6693
Ion Ratio	Lower	Upper	
99	100		
42	0.0	15.8	23.6#
71	34.6	27.0	40.4

Instrument :

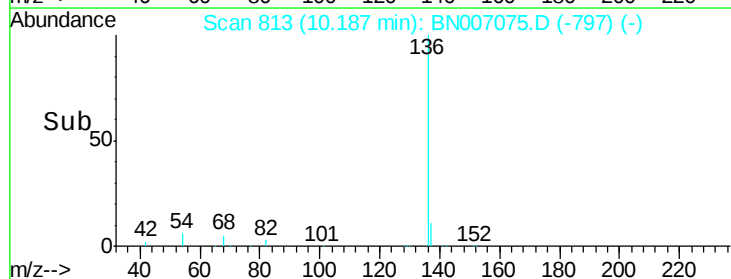
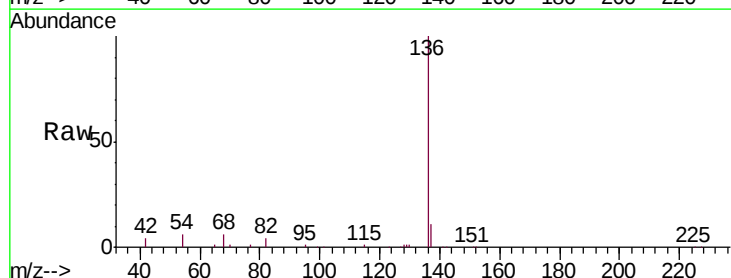
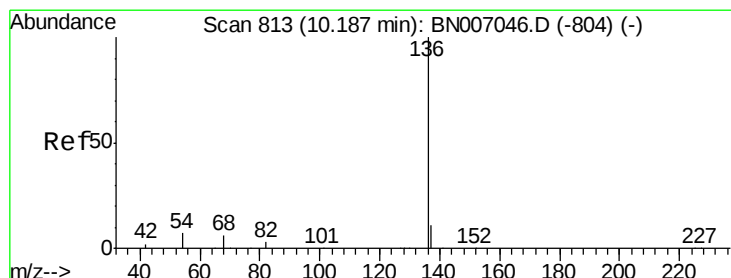
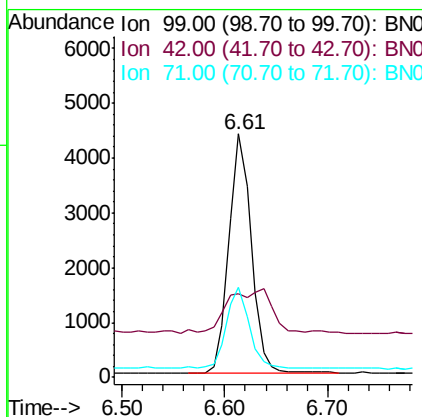
BNA_N

ClientSampleId :

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#6

Naphthalene-d8

Concen: 0.400 ng

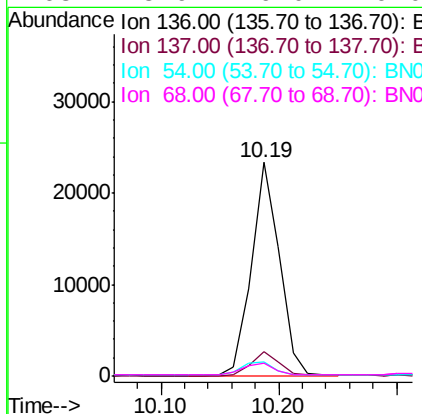
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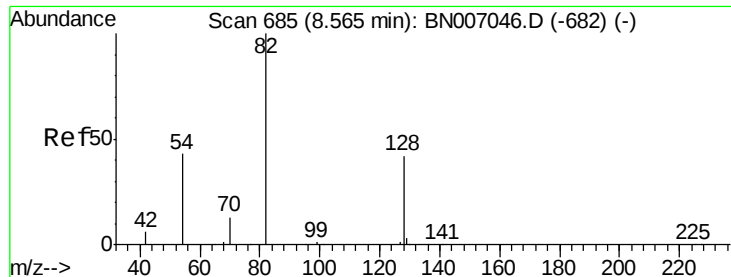
Delta R.T. -0.00 min

Lab File: BN007075.D

Acq: 11 Aug 2019 08:00

Tgt Ion:	136	Resp:	38411
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.4	14.0
54	6.4	6.6	9.8#
68	5.9	6.0	9.0#





#7

Nitrobenzene-d5

Concen: 0.170 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007075.D

Acq: 11 Aug 2019 08:00

Instrument :

BNA_N

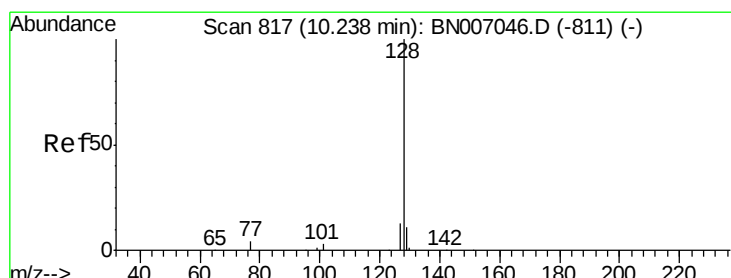
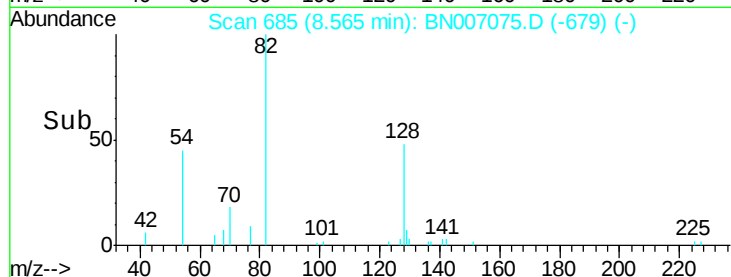
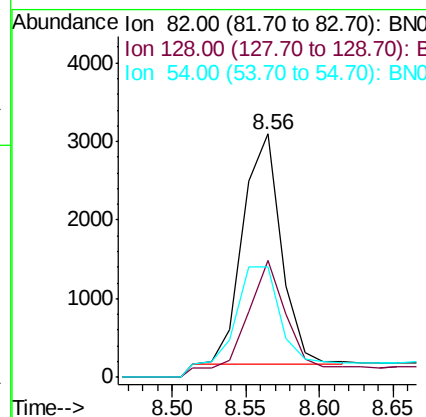
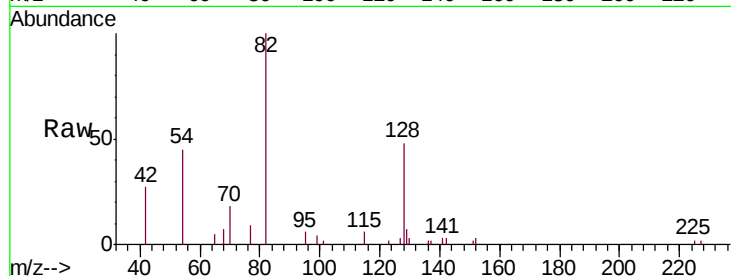
ClientSampleId :

EXT-006-SW130-073019

Tgt Ion:	82	Resp:	5256
Ion Ratio	Lower	Upper	
82	100		
128	47.9	34.6	51.8
54	45.3	36.2	54.4

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#8

Naphthalene

Concen: 0.022 ng

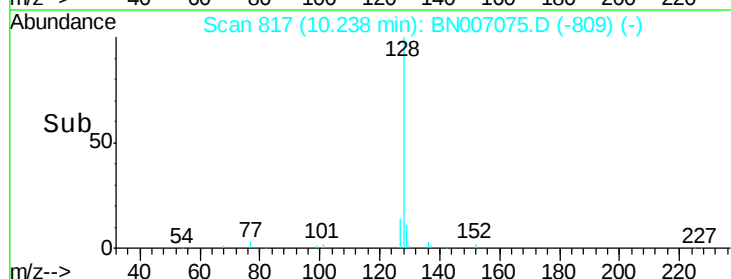
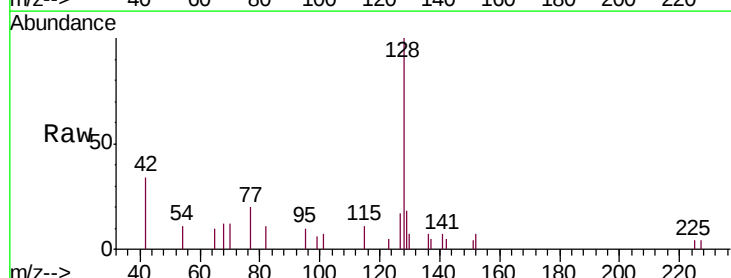
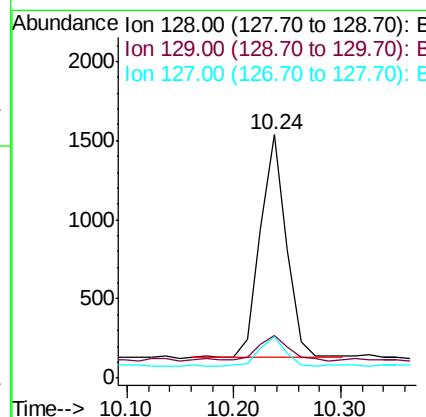
RT: 10.24 min Scan# 817

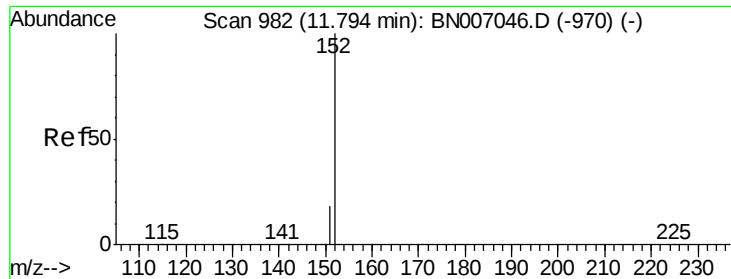
Delta R.T. -0.00 min

Lab File: BN007075.D

Acq: 11 Aug 2019 08:00

Tgt Ion:	128	Resp:	2362
Ion Ratio	Lower	Upper	
128	100		
129	17.6	9.4	14.2#
127	17.2	11.0	16.6#





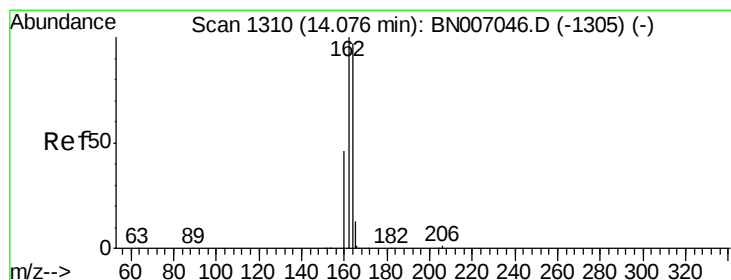
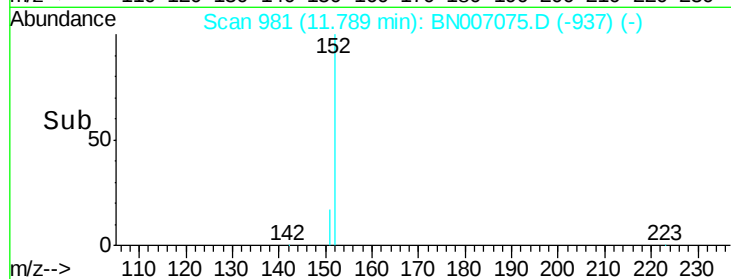
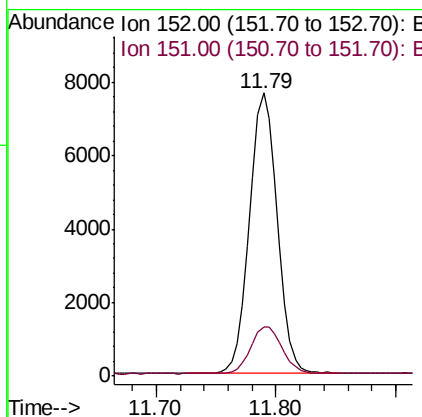
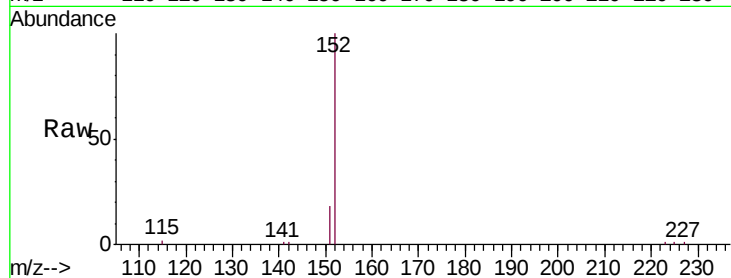
#10
 2-Methylnaphthalene-d10
 Concen: 0.171 ng
 RT: 11.79 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: BN007075.D
 Acq: 11 Aug 2019 08:00

Instrument :
 BNA_N
 ClientSampleId :
 EXT-006-SW130-073019

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.5	23.3

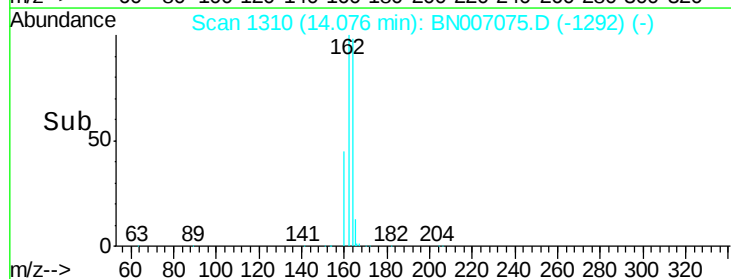
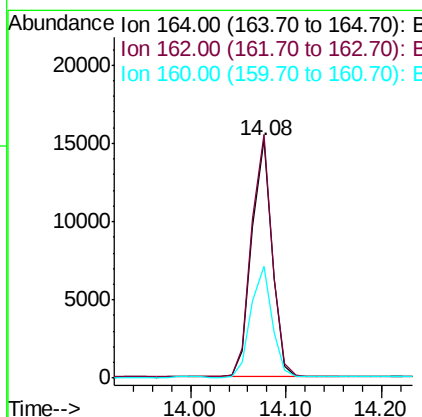
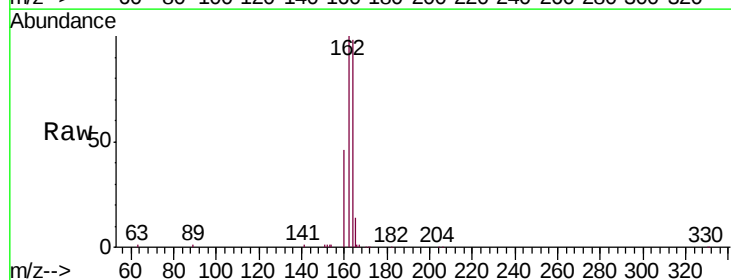
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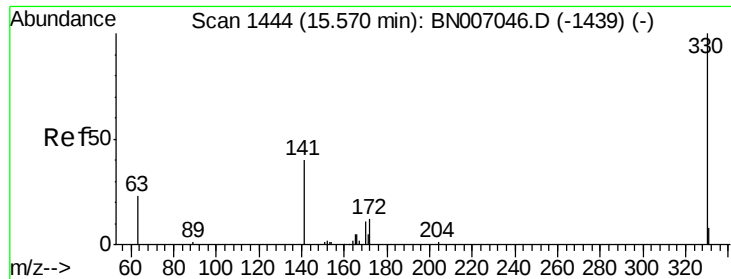
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#12
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.08 min Scan# 1310
 Delta R.T. -0.00 min
 Lab File: BN007075.D
 Acq: 11 Aug 2019 08:00

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	82.2	123.4
160	46.7	38.3	57.5





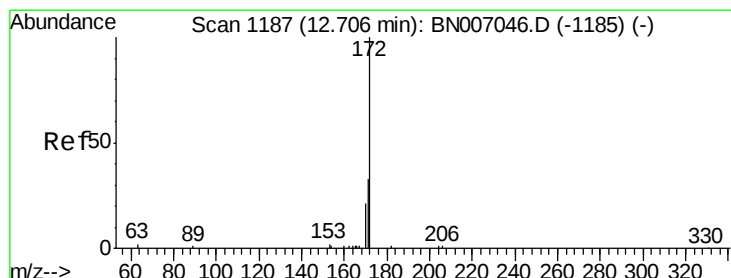
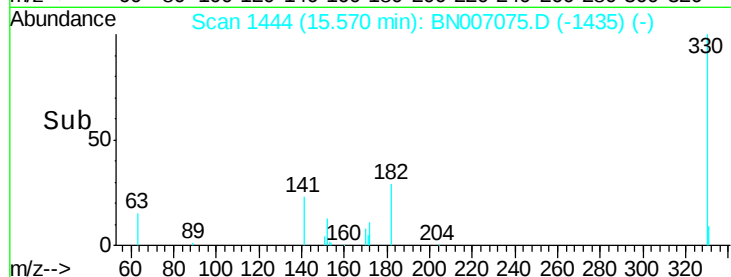
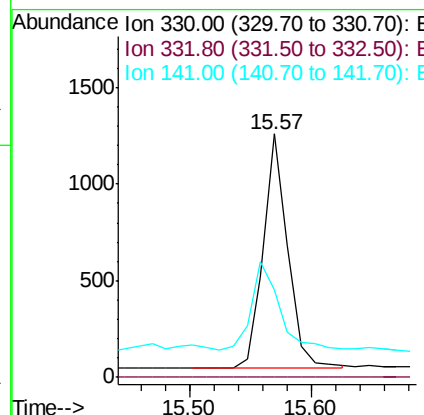
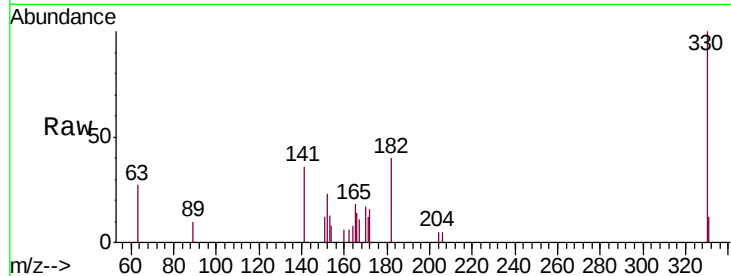
#13
 2,4,6-Tribromophenol
 Concen: 0.141 ng
 RT: 15.57 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: BN007075.D
 Acq: 11 Aug 2019 08:00

Instrument :
 BNA_N
 ClientSampleId :
 EXT-006-SW130-073019

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	42.7	33.6	50.4

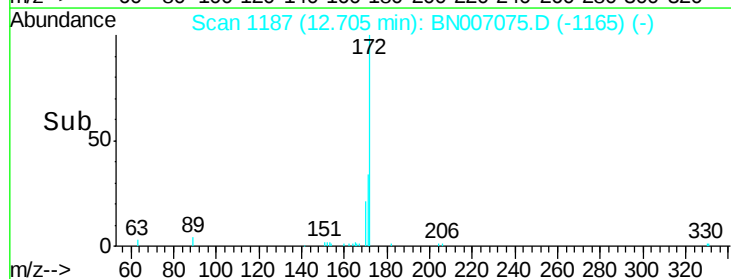
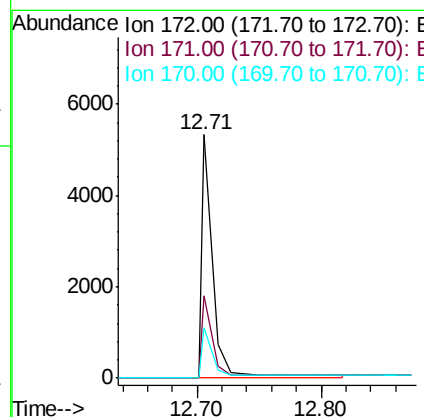
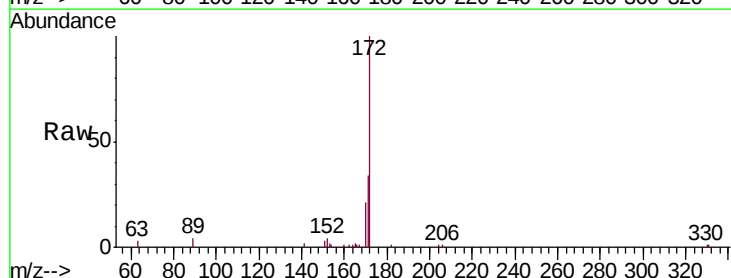
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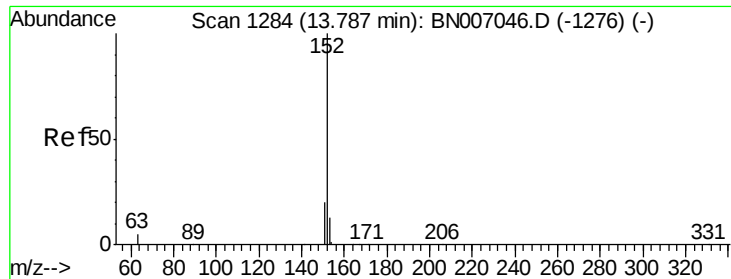
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#14
 2-Fluorobiphenyl
 Concen: 0.124 ng
 RT: 12.71 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: BN007075.D
 Acq: 11 Aug 2019 08:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.7	26.3	39.5
170	20.6	17.0	25.4





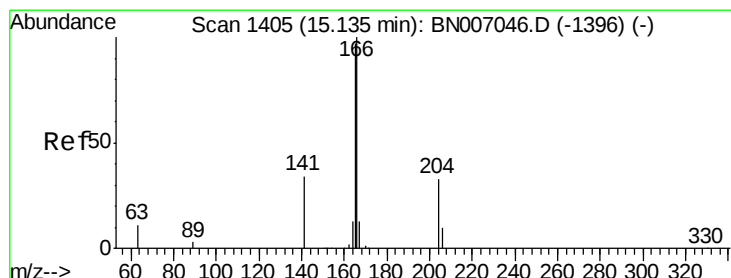
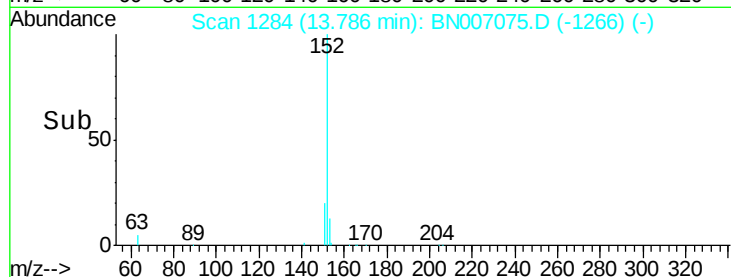
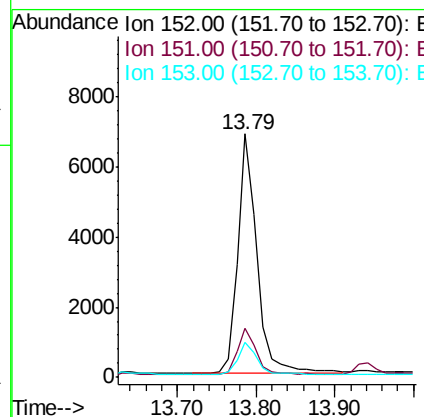
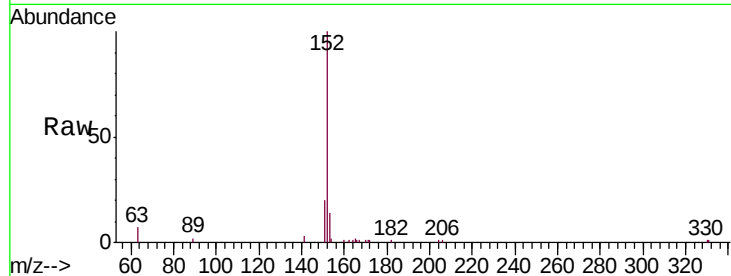
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Acenaphthylene
Concen: 0.101 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007075.D
Acq: 11 Aug 2019 08:00

Instrument :
BNA_N
ClientSampleId :
EXT-006-SW130-073019

Tgt Ion:	152	Resp:	11844
Ion Ratio	Lower	Upper	
152	100		
151	19.9	15.8	23.6
153	13.7	10.4	15.6

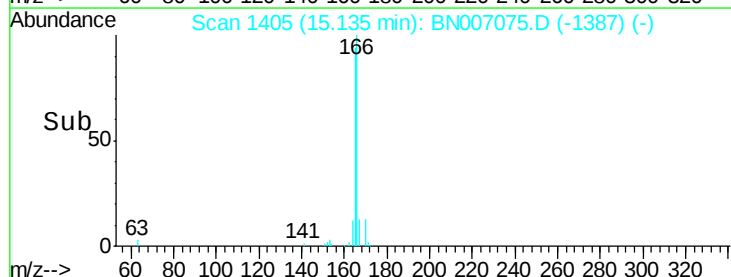
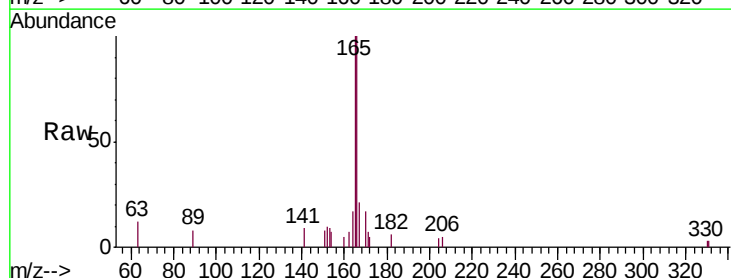
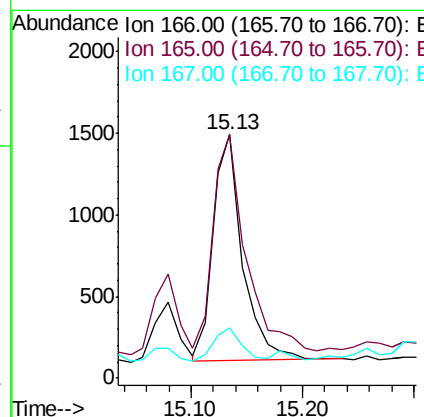
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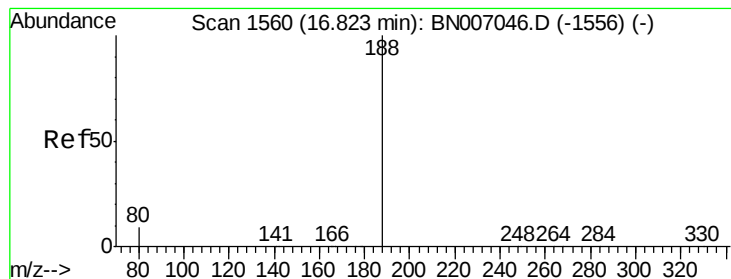
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#17
Fluorene
Concen: 0.023 ng
RT: 15.13 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BN007075.D
Acq: 11 Aug 2019 08:00

Tgt Ion:	166	Resp:	2554
Ion Ratio	Lower	Upper	
166	100		
165	107.0	77.9	116.9
167	14.4	10.9	16.3





#18

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.82 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BN007075.D

Acq: 11 Aug 2019 08:00

Instrument :

BNA_N

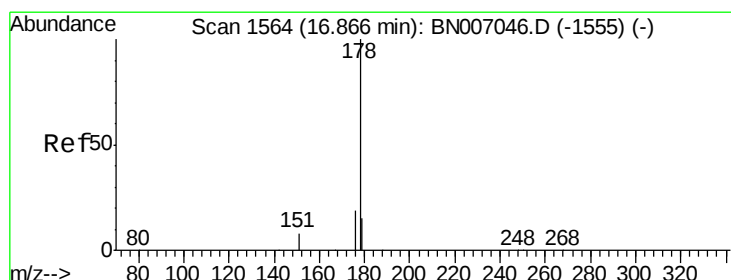
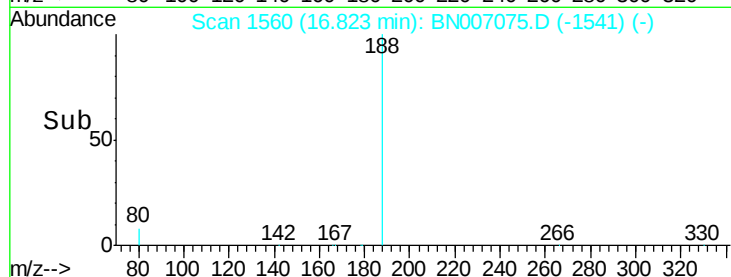
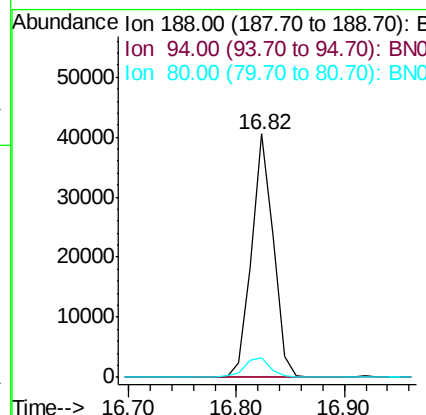
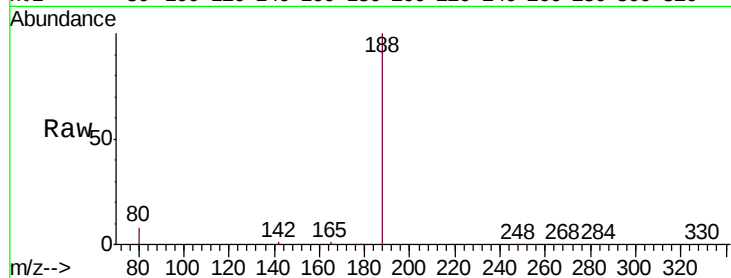
ClientSampleId :

EXT-006-SW130-073019

Tgt Ion:	188	Resp:	56258
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	8.1	7.8	11.6

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#22

Phenanthrene

Concen: 0.417 ng

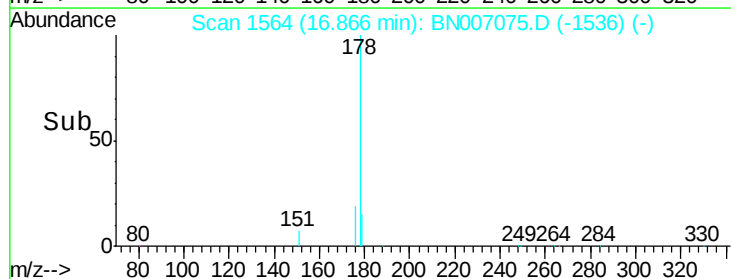
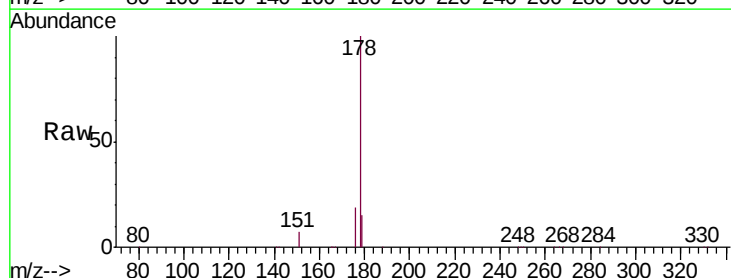
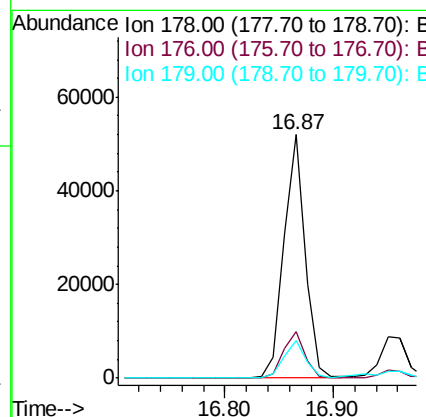
RT: 16.87 min Scan# 1564

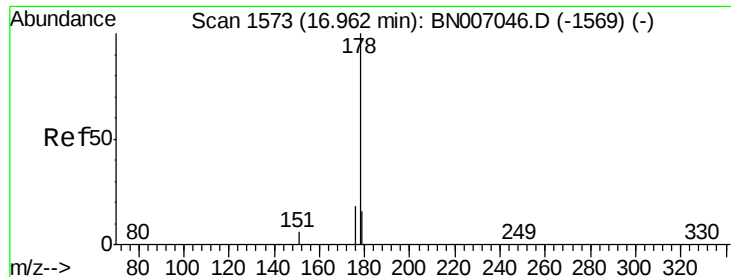
Delta R.T. -0.00 min

Lab File: BN007075.D

Acq: 11 Aug 2019 08:00

Tgt Ion:	178	Resp:	70271
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.2	22.8
179	15.4	12.3	18.5





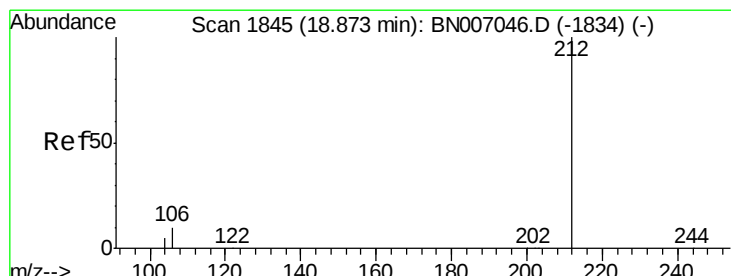
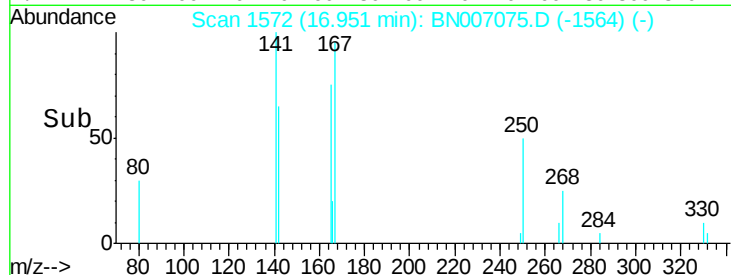
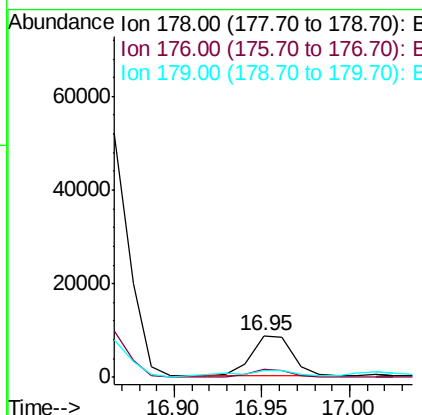
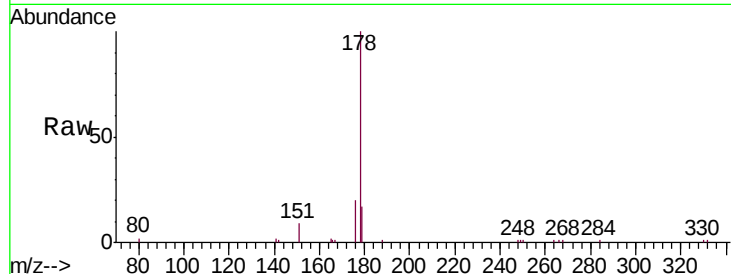
#23
 Anthracene
 Concen: 0.093 ng
 RT: 16.95 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BN007075.D
 Acq: 11 Aug 2019 08:00

Instrument :
 BNA_N
 ClientSampleId :
 EXT-006-SW130-073019

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	21.8
179	21.0	12.5	18.7

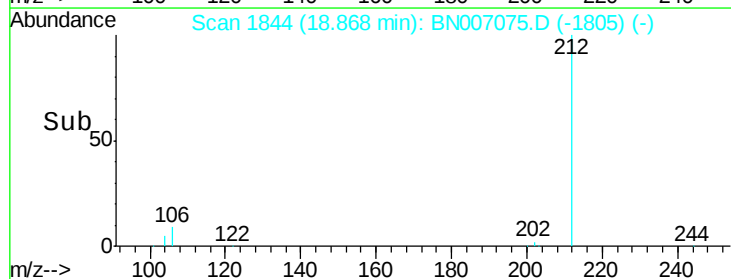
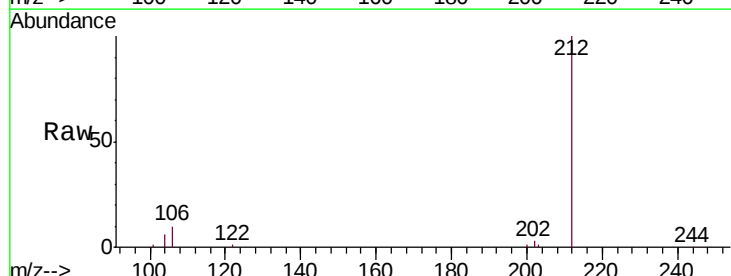
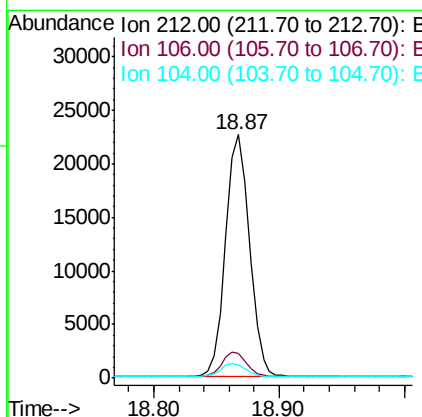
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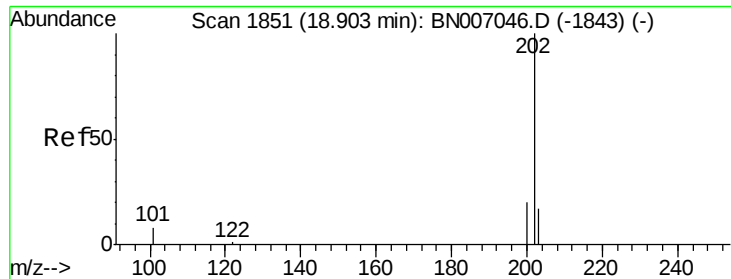
mohammad
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#24
 Fluoranthene-d10
 Concen: 0.150 ng
 RT: 18.87 min Scan# 1844
 Delta R.T. -0.01 min
 Lab File: BN007075.D
 Acq: 11 Aug 2019 08:00

Tgt Ion	Ratio	Lower	Upper
212	100		
106	10.1	8.2	12.2
104	5.6	4.5	6.7





#25

Fluoranthene

Concen: 0.876 ng

RT: 18.90 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BN007075.D

Acq: 11 Aug 2019 08:00

Instrument :

BNA_N

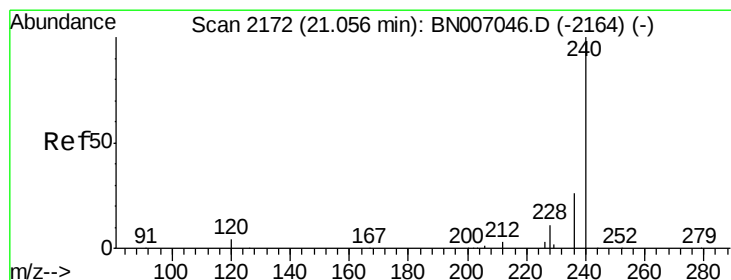
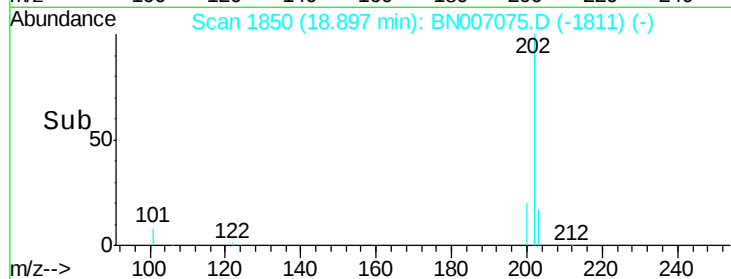
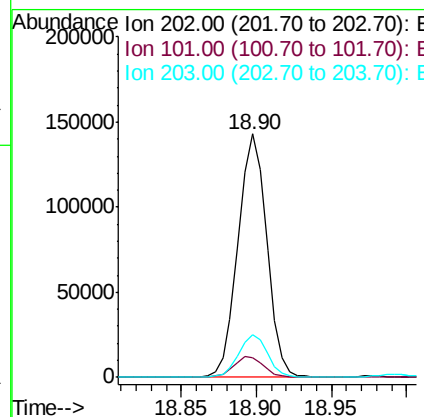
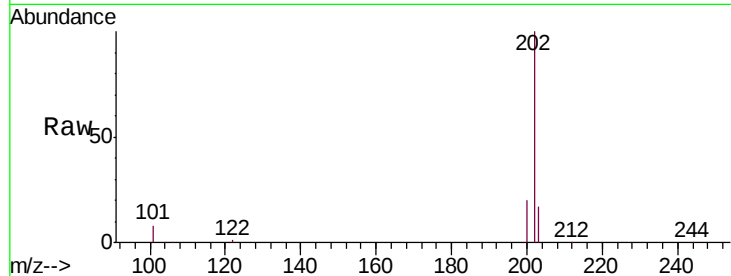
ClientSampleId :

EXT-006-SW130-073019

Tgt Ion:	202	Resp:	188835
Ion Ratio	Lower	Upper	
202	100		
101	8.6	7.0	10.4
203	17.3	13.8	20.8

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#26

Chrysene-d12

Concen: 0.400 ng

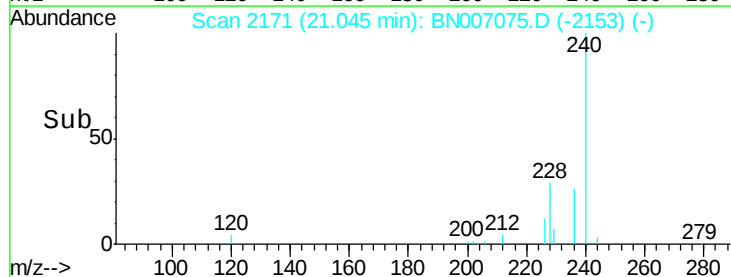
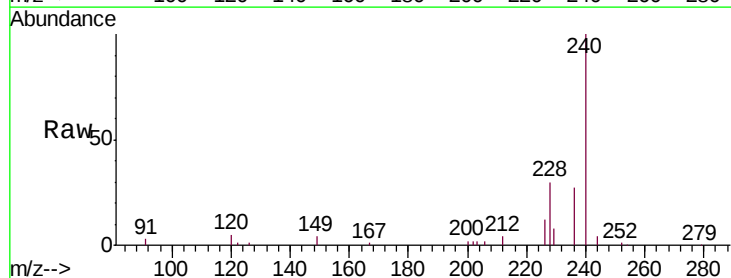
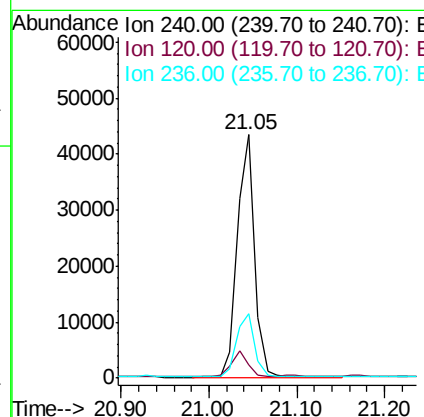
RT: 21.05 min Scan# 2171

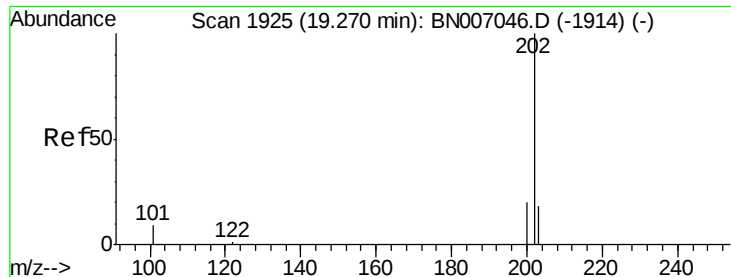
Delta R.T. -0.01 min

Lab File: BN007075.D

Acq: 11 Aug 2019 08:00

Tgt Ion:	240	Resp:	58986
Ion Ratio	Lower	Upper	
240	100		
120	5.3	4.0	6.0
236	26.6	21.3	31.9





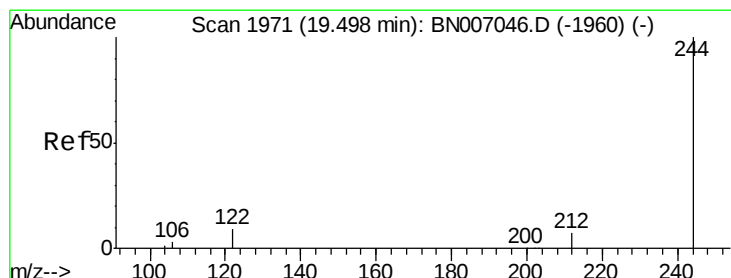
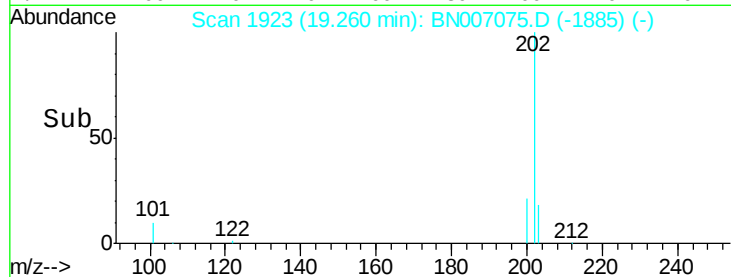
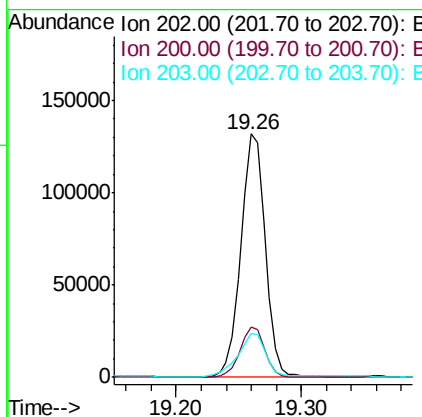
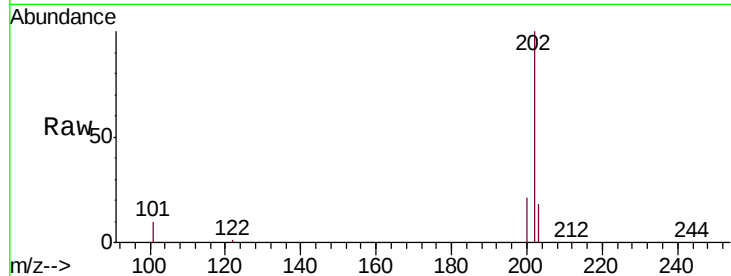
#27
 Pyrene
 Concen: 0.858 ng
 RT: 19.26 min Scan# 1923
 Delta R.T. -0.01 min
 Lab File: BN007075.D
 Acq: 11 Aug 2019 08:00

Instrument :
 BNA_N
 ClientSampleId :
 EXT-006-SW130-073019

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	177529		
200	20.8	16.6	24.8	
203	21.1	14.0	21.0	

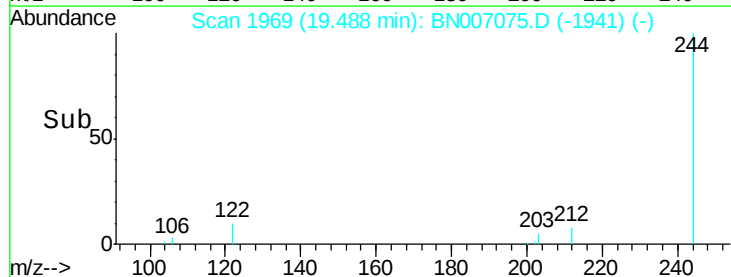
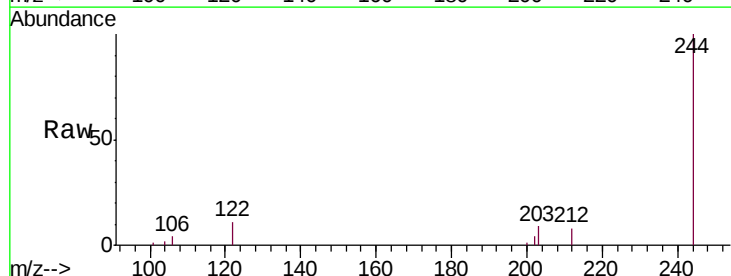
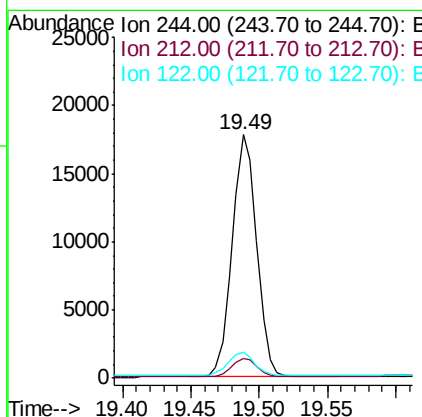
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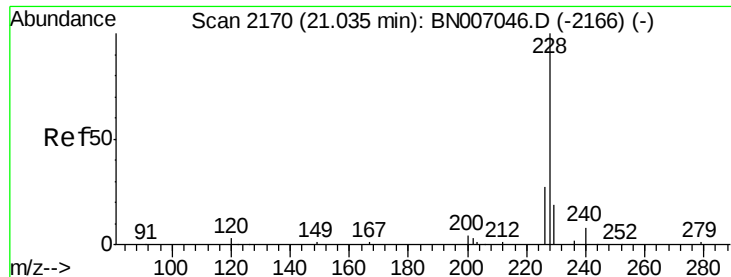
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#28
 Terphenyl-d14
 Concen: 0.137 ng
 RT: 19.49 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: BN007075.D
 Acq: 11 Aug 2019 08:00

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	21981		
212	8.2	6.2	9.2	
122	10.7	7.4	11.2	





#29

Benzo(a)anthracene

Concen: 0.496 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007075.D

Acq: 11 Aug 2019 08:00

Instrument :

BNA_N

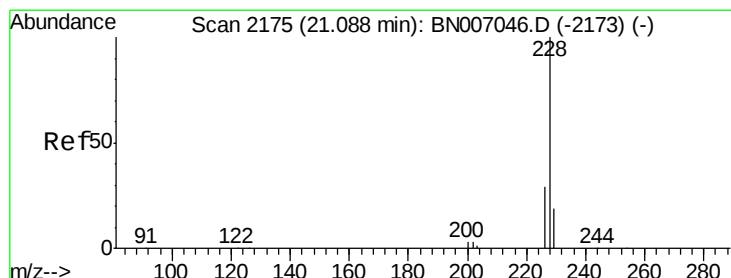
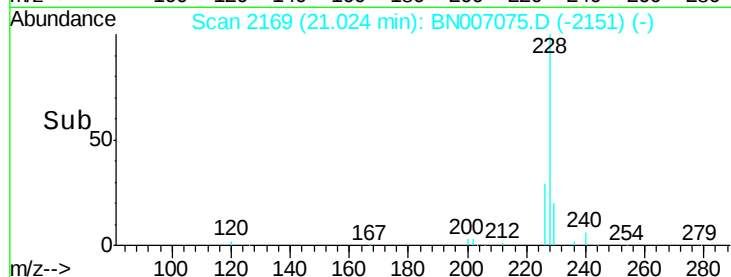
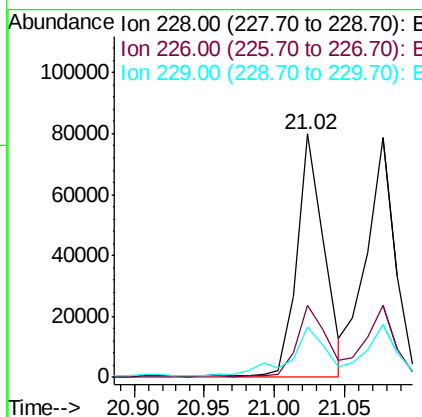
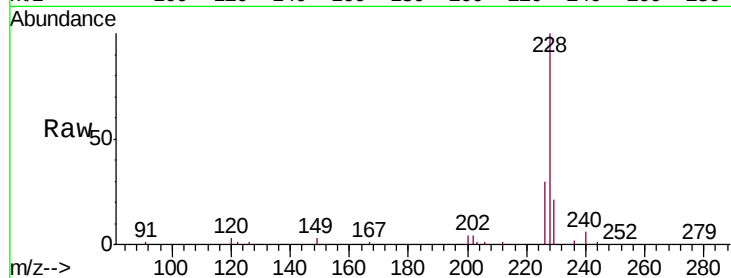
ClientSampleId :

EXT-006-SW130-073019

Tgt Ion:	228	Resp:	106964
Ion Ratio	Lower	Upper	
228	100		
226	29.8	21.8	32.6
229	20.6	15.6	23.4

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#30

Chrysene

Concen: 0.532 ng

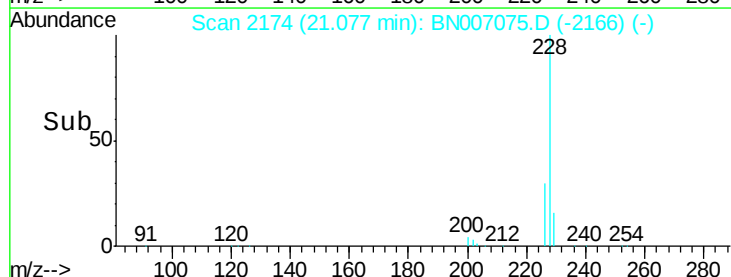
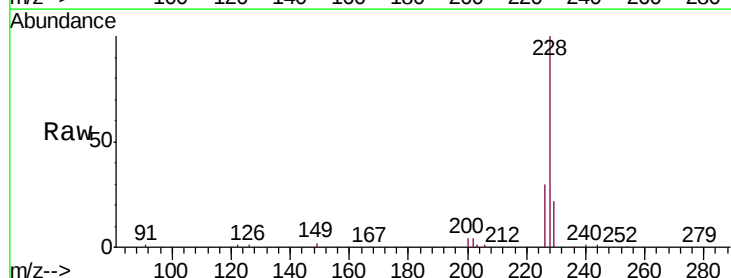
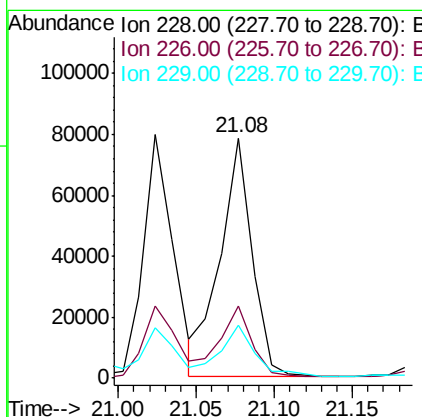
RT: 21.08 min Scan# 2174

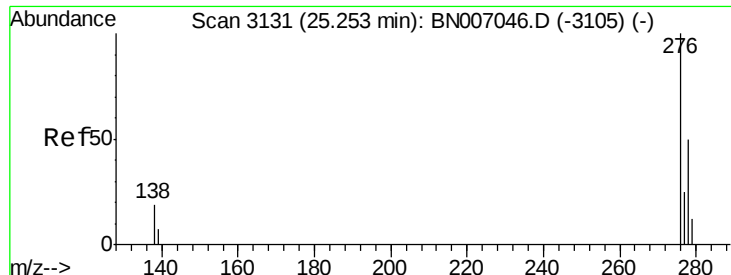
Delta R.T. -0.01 min

Lab File: BN007075.D

Acq: 11 Aug 2019 08:00

Tgt Ion:	228	Resp:	111433
Ion Ratio	Lower	Upper	
228	100		
226	29.9	23.8	35.6
229	22.0	15.7	23.5





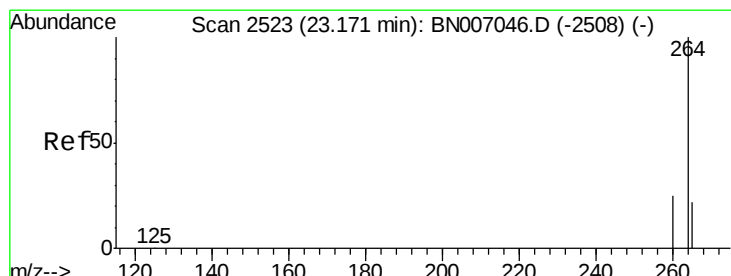
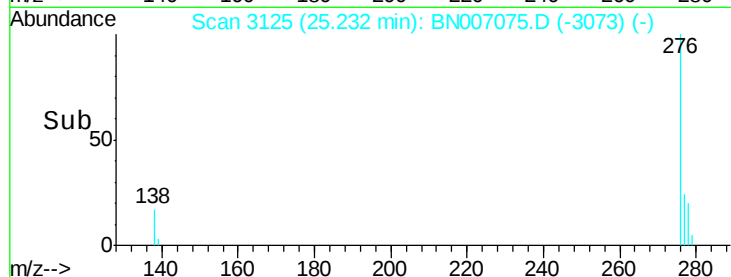
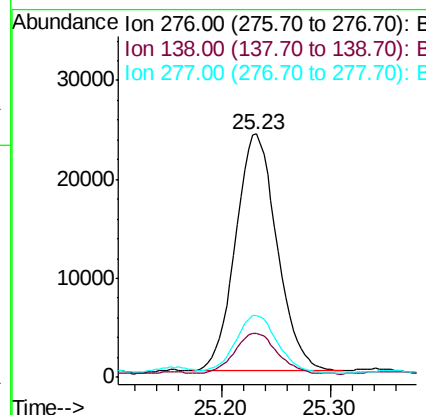
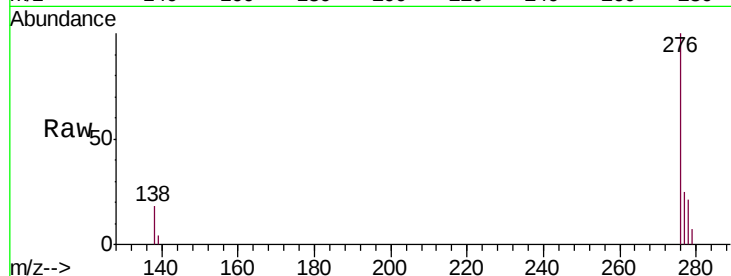
#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.275 ng
 RT: 25.23 min Scan# 3125
 Delta R.T. -0.02 min
 Lab File: BN007075.D
 Acq: 11 Aug 2019 08:00

Instrument :
 BNA_N
 ClientSampleId :
 EXT-006-SW130-073019

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	63570		
138	17.9	16.0	24.0	
277	24.8	19.9	29.9	

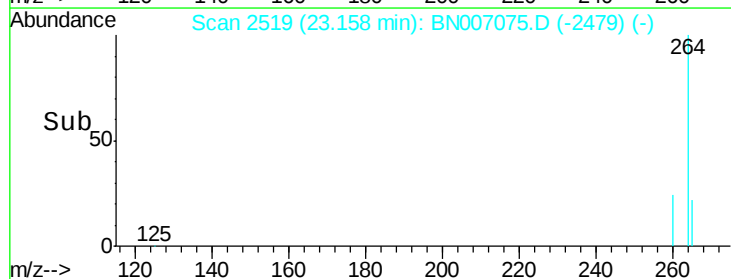
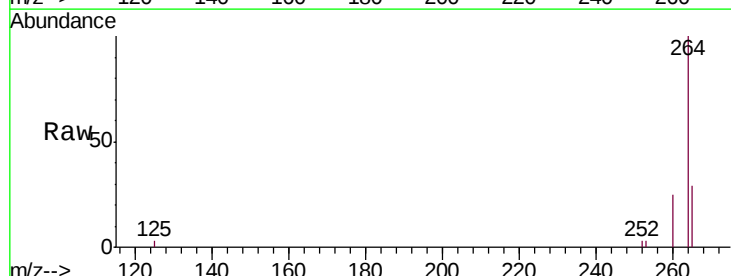
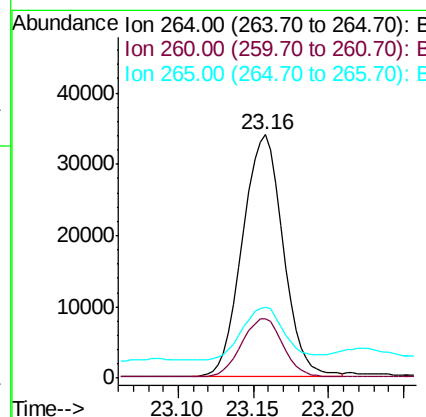
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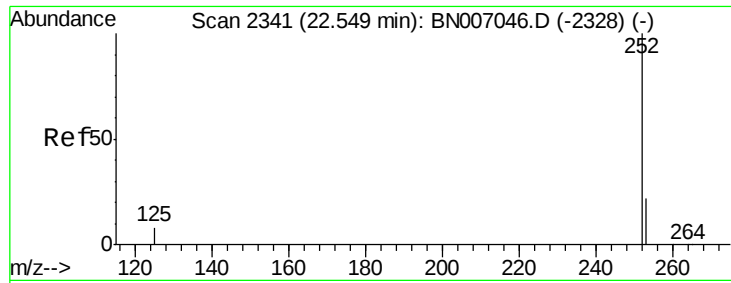
mohammad
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#32
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.16 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BN007075.D
 Acq: 11 Aug 2019 08:00

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	62812		
260	24.5	19.8	29.8	
265	29.3	26.2	39.4	





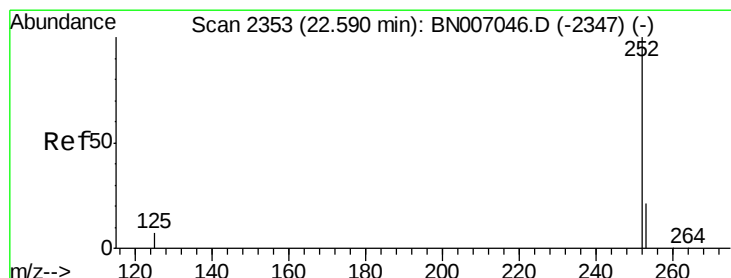
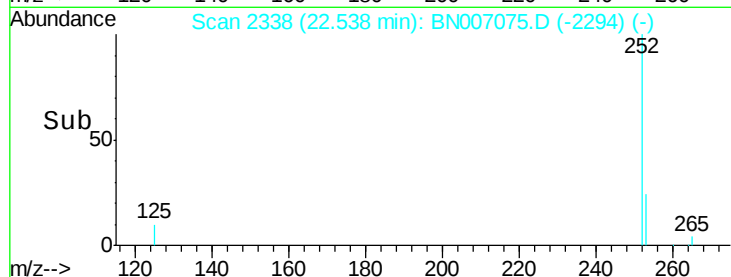
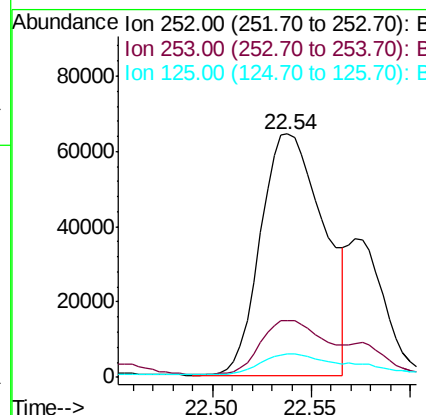
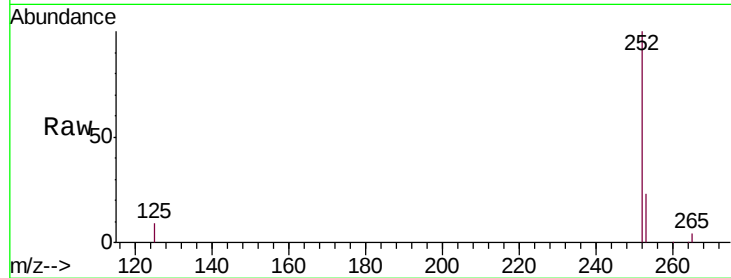
#33
Benzo(b)fluoranthene
Concen: 0.661 ng
RT: 22.54 min Scan# 2338
Delta R.T. -0.01 min
Lab File: BN007075.D
Acq: 11 Aug 2019 08:00

Instrument :
BNA_N
ClientSampleId :
EXT-006-SW130-073019

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	142458		
253	23.4	18.2	27.2	
125	9.5	7.4	11.0	

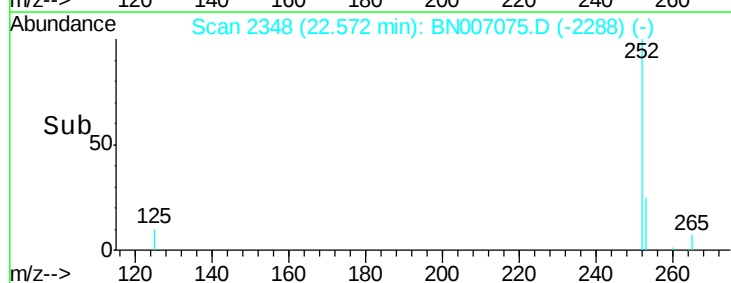
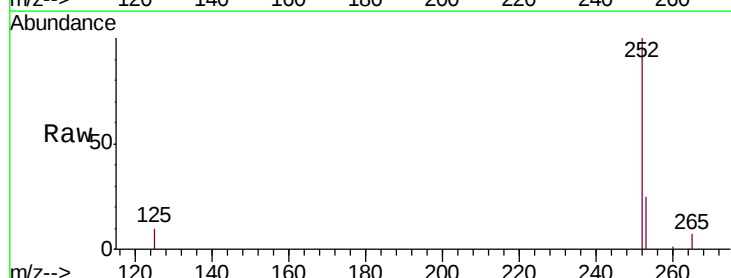
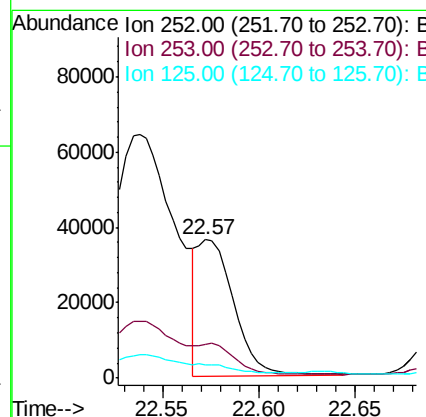
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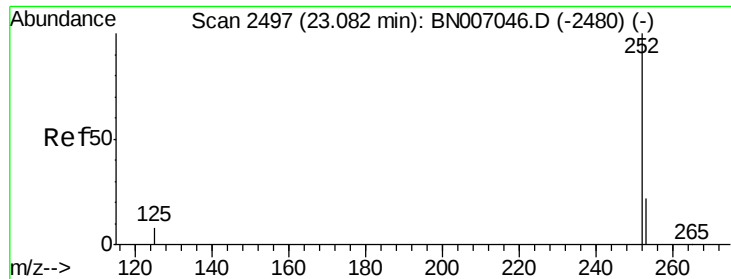
mohammad
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#34
Benzo(k)fluoranthene
Concen: 0.224 ng m
RT: 22.57 min Scan# 2348
Delta R.T. -0.02 min
Lab File: BN007075.D
Acq: 11 Aug 2019 08:00

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	47598		
253	24.8	18.1	27.1	
125	9.9	7.4	11.0	





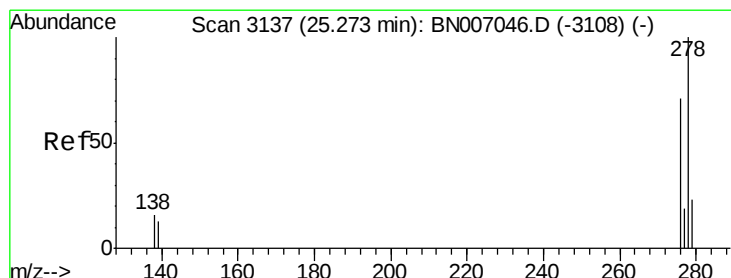
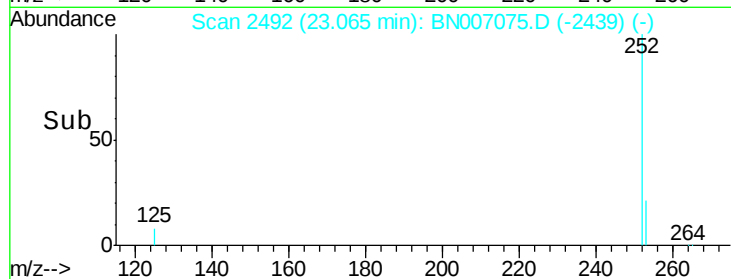
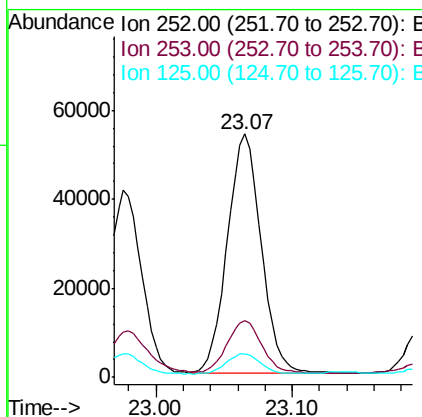
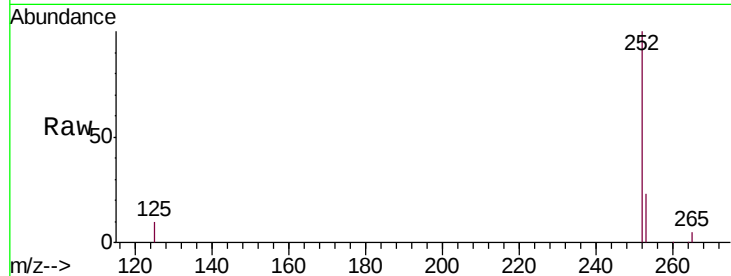
#35
Benzo(a)pyrene
Concen: 0.472 ng
RT: 23.07 min Scan# 2492
Delta R.T. -0.02 min
Lab File: BN007075.D
Acq: 11 Aug 2019 08:00

Instrument :
BNA_N
ClientSampleId :
EXT-006-SW130-073019

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.5	27.7
125	9.8	8.2	12.4

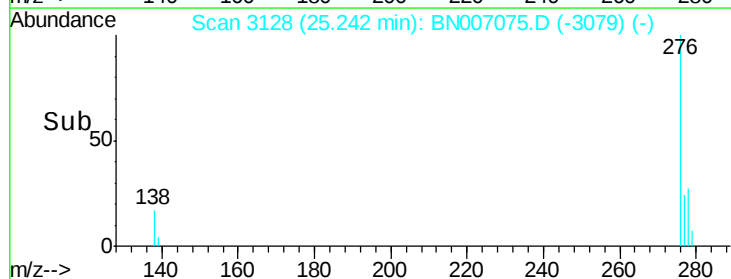
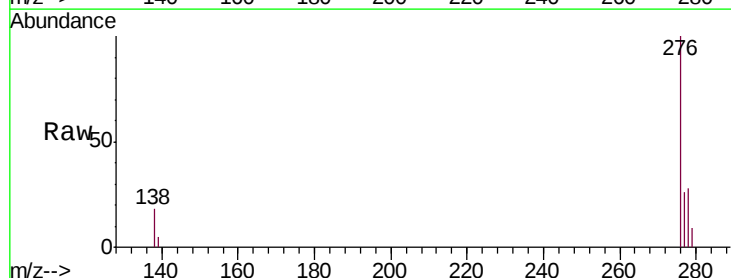
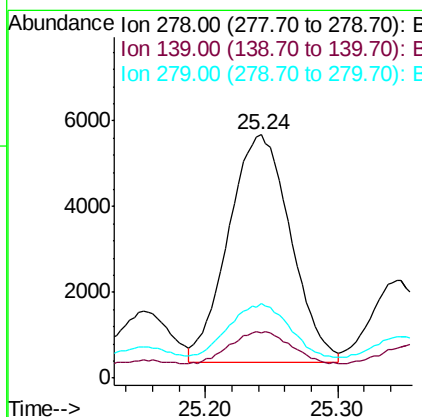
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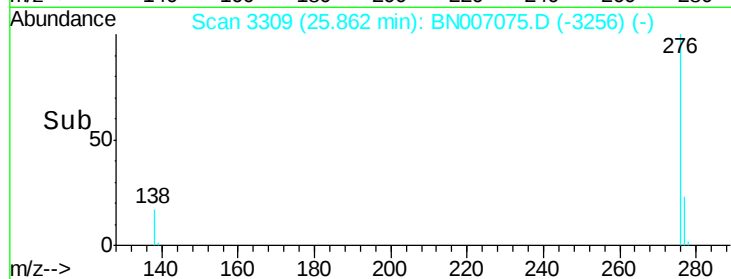
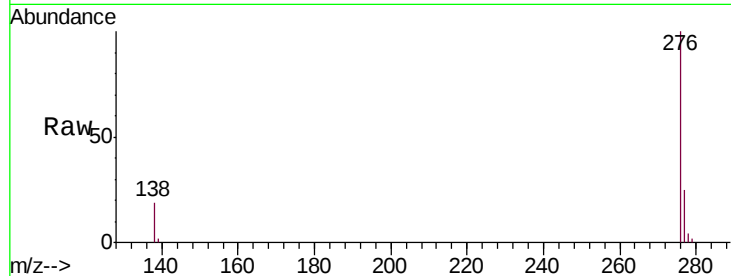
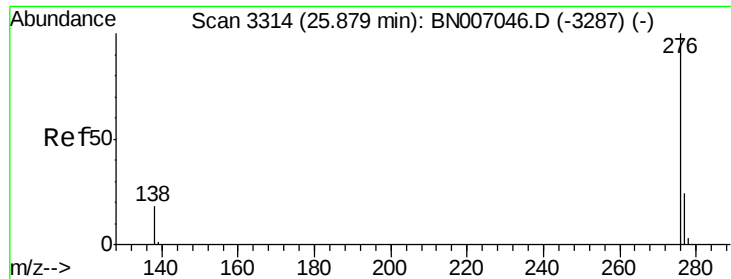
mohammad
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#36
Dibenzo(a,h)anthracene
Concen: 0.089 ng
RT: 25.24 min Scan# 3128
Delta R.T. -0.03 min
Lab File: BN007075.D
Acq: 11 Aug 2019 08:00

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.7	11.3	16.9#
279	30.6	19.3	28.9#





#37

Benzo(g,h,i)perylene

Concen: 0.322 ng

RT: 25.86 min Scan# 3309

Delta R.T. -0.02 min

Lab File: BN007075.D

Acq: 11 Aug 2019 08:00

Instrument :

BNA_N

ClientSampleId :

EXT-006-SW130-073019

Tgt Ion:	276	Resp:	64583
Ion Ratio	Lower	Upper	
276	100		
277	25.0	19.8	29.8
138	18.6	14.6	22.0

Manual Integrations
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