

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082319\
 Data File : BN007352.D
 Acq On : 24 Aug 2019 06:26
 Operator : HP/JU
 Sample : K4282-12 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-016-SW060-080819DL

Manual Integrations
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mohammad
 8/29/2019 7:59:58 AM

Quant Time: Aug 24 22:56:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 24 00:38:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	5390	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	22428	0.40	ng	0.00
13) Acenaphthene-d10	14.05	164	12455	0.40	ng	0.00
19) Phenanthrene-d10	16.79	188	27162	0.40	ng	0.00
27) Chrysene-d12	21.02	240	27280	0.40	ng	0.00
34) Perylene-d12	23.12	264	31755	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.04	112	452	-0.00	ng	0.00
5) Phenol-d6	6.60	99	560	-0.01	ng	0.00
8) Nitrobenzene-d5	8.54	82	427	0.02	ng	0.01
11) 2-Methylnaphthalene-d10	11.76	152	811	0.02	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	146	0.02	ng	0.00
15) 2-Fluorobiphenyl	12.66	172	921	0.02	ng	0.00
25) Fluoranthene-d10	18.84	212	1574	0.02	ng	0.00
29) Terphenyl-d14	19.47	244	1232	0.02	ng	0.00

Target Compounds						Qvalue
9) Naphthalene	10.20	128	2731	0.043	ng	# 93
12) 2-Methylnaphthalene	11.84	142	2461	0.056	ng	96
16) Acenaphthylene	13.76	152	15085	0.205	ng	98
17) Acenaphthene	14.11	154	2852	0.066	ng	95
18) Fluorene	15.10	166	6355	0.117	ng	# 88
23) Phenanthrene	16.84	178	201932	2.472	ng	99
24) Anthracene	16.93	178	21816	0.265	ng	97
26) Fluoranthene	18.87	202	207705	1.980	ng	98
28) Pyrene	19.24	202	371789	3.388	ng	97
30) Benzo(a)anthracene	21.00	228	149518	1.396	ng	93
31) Chrysene	21.05	228	161747	1.564	ng	97
32) Bis(2-ethylhexyl)phthalate	20.97	149	8391	0.102	ng	94
33) Indeno(1,2,3-cd)pyrene	25.18	276	62324	0.500	ng	98
35) Benzo(b)fluoranthene	22.51	252	125652m	1.092	ng	
36) Benzo(k)fluoranthene	22.54	252	32728m	0.288	ng	
37) Benzo(a)pyrene	23.03	252	108937m	0.995	ng	
38) Dibenzo(a,h)anthracene	25.19	278	19978	0.183	ng	# 88
39) Benzo(a,h,i)perylene	25.81	276	77519	0.712	ng	97

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

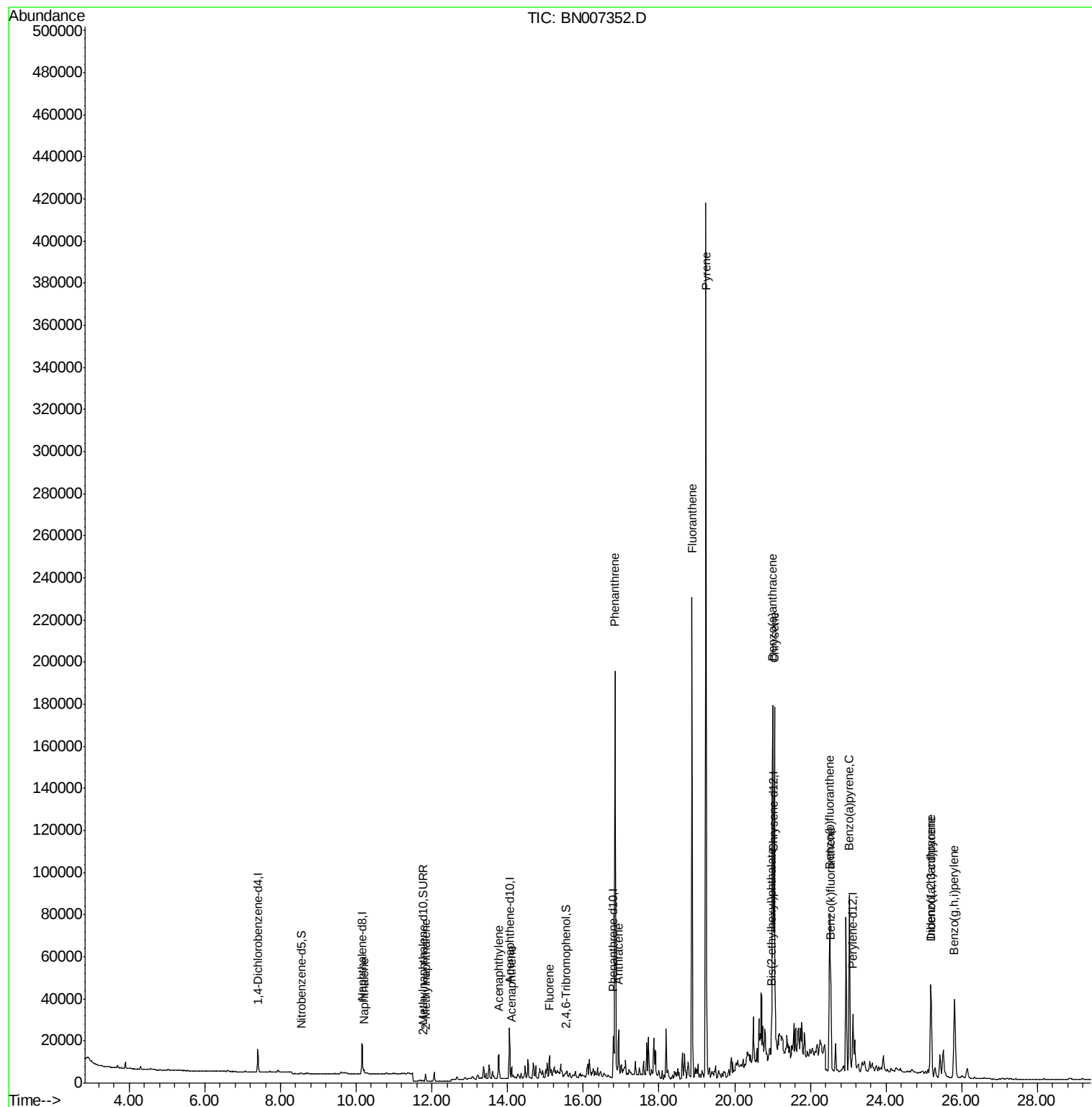
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082319\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

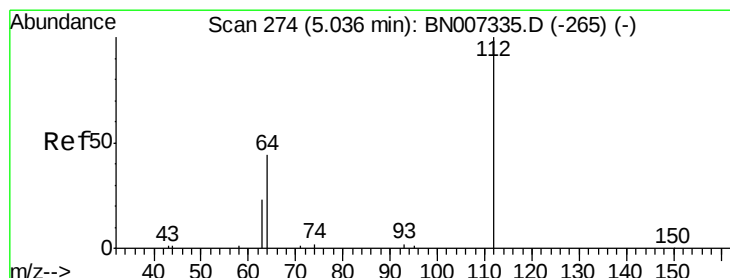
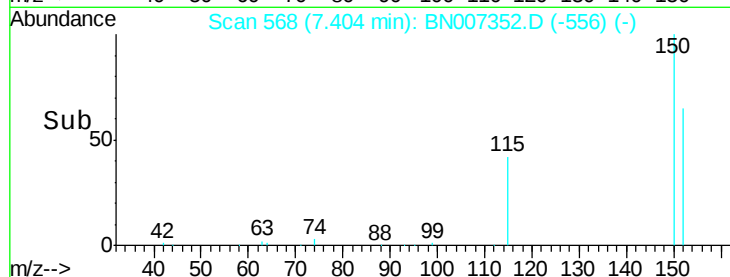
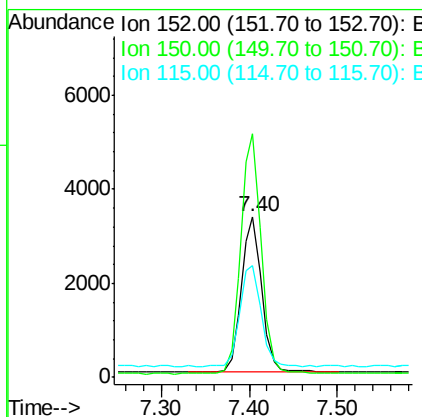
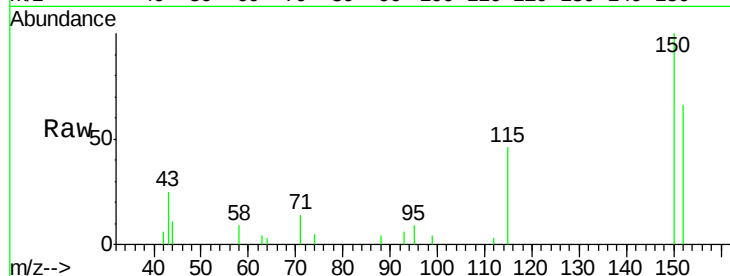
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 568
Delta R.T. -0.00 min
Lab File: BN007352.D
Acq: 24 Aug 2019 06:26

Instrument :
BNA_N
ClientSampleId :
PST-016-SW060-080819DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.2	109.1	163.7
115	69.7	59.6	89.4

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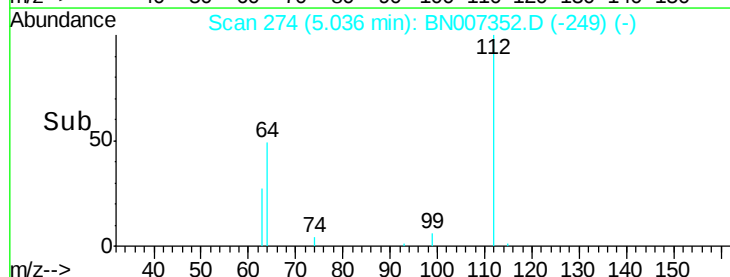
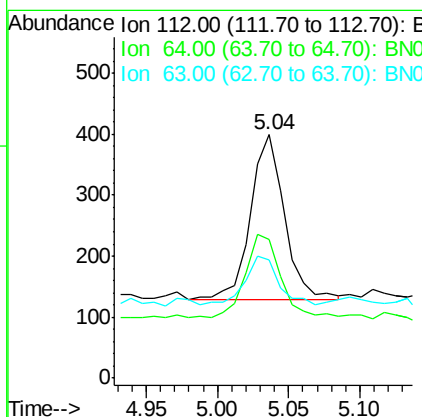
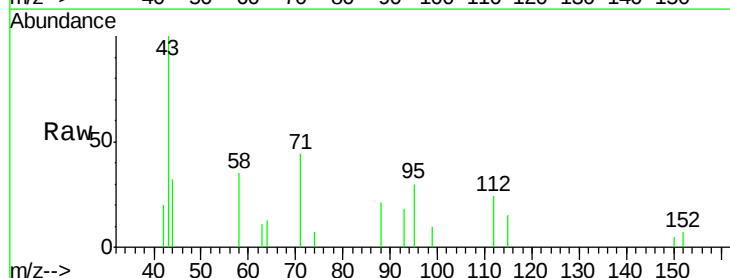
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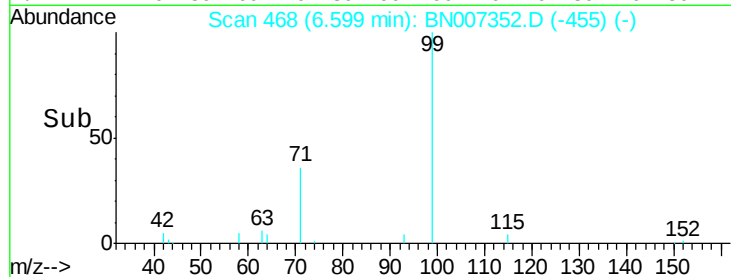
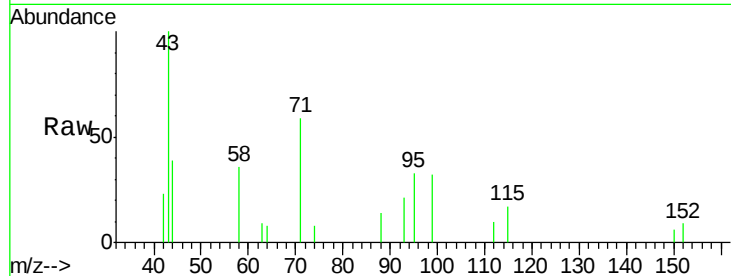
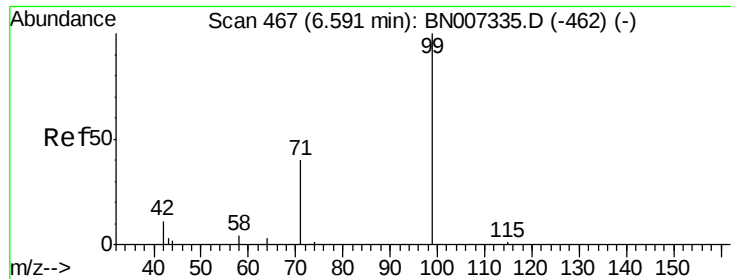


#4

2-Fluorophenol
Concen: -0.004 ng
RT: 5.04 min Scan# 274
Delta R.T. 0.00 min
Lab File: BN007352.D
Acq: 24 Aug 2019 06:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.2	42.3	63.5
63	28.8	23.6	35.4





#5

Phenol-d6

Concen: -0.007 ng

RT: 6.60 min Scan# 468

Delta R.T. 0.01 min

Lab File: BN007352.D

Acq: 24 Aug 2019 06:26

Tot Ion:	99	Resp:	560
Ion	Ratio	Lower	Upper
99	100		
42	18.0	11.2	16.8#
71	52.9	31.8	47.8#

Instrument :

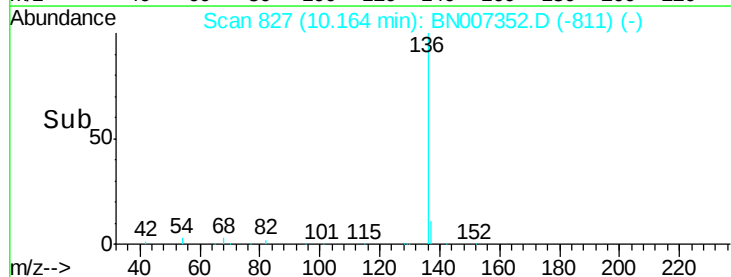
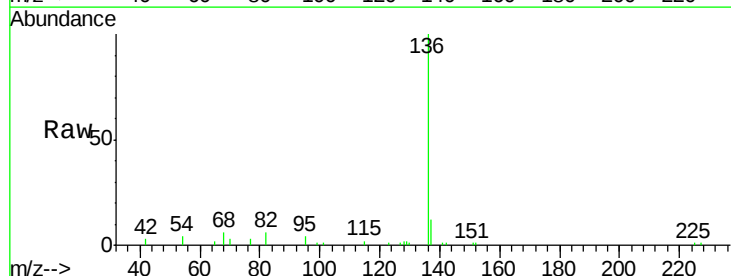
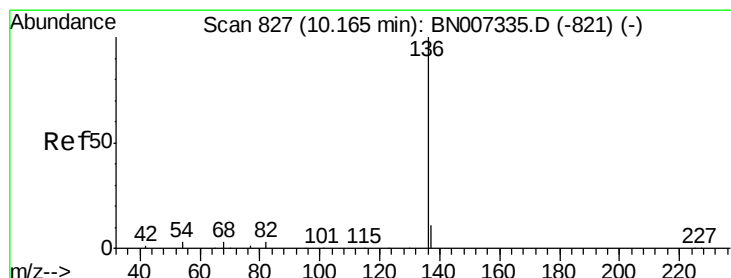
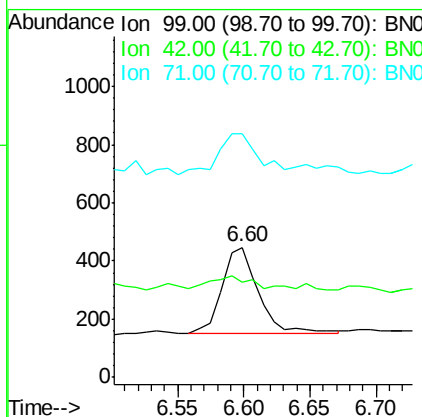
BNA_N

ClientSampleId :

PST-016-SW060-080819DL

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#7

Naphthalene-d8

Concen: 0.400 ng

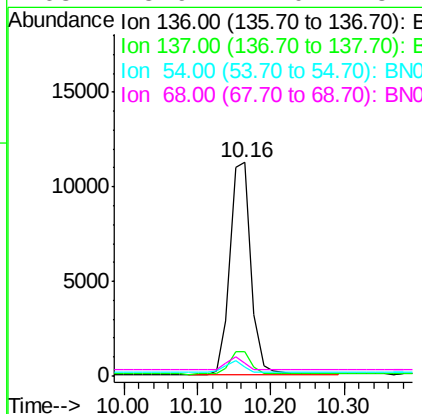
RT: 10.16 min Scan# 827

Delta R.T. -0.00 min

Lab File: BN007352.D

Acq: 24 Aug 2019 06:26

Tgt Ion:	136	Resp:	22428
Ion	Ratio	Lower	Upper
136	100		
137	11.6	12.9	19.3#
54	4.2	8.6	12.8#
68	5.9	17.0	25.4#





#8

Nitrobenzene-d5

Concen: 0.022 ng

RT: 8.54 min Scan# 699

Delta R.T. 0.01 min

Lab File: BN007352.D

Acq: 24 Aug 2019 06:26

Instrument :

BNA_N

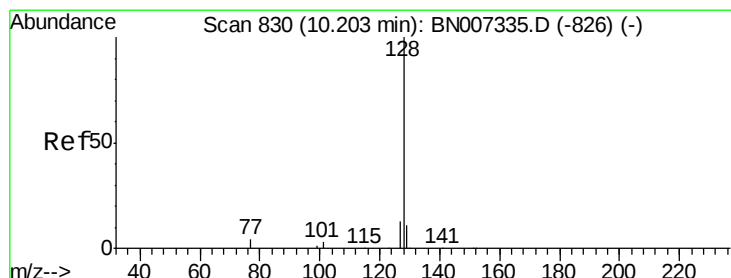
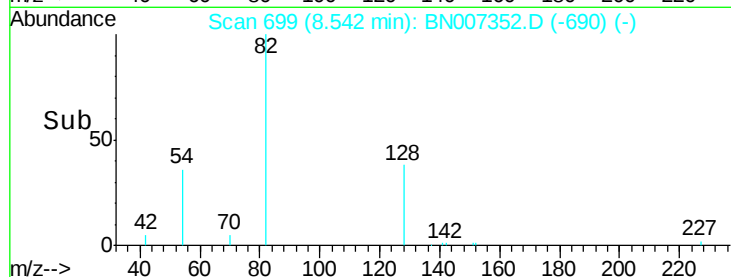
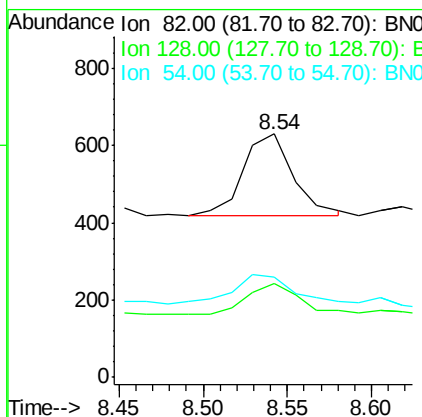
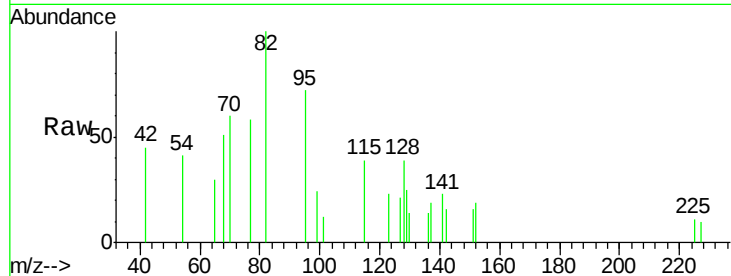
ClientSampleId :

PST-016-SW060-080819DL

Tot Ion	82	Resp:	427
Ion	Ratio	Lower	Upper
82	100		
128	38.7	19.7	29.5#
54	41.0	25.8	38.6#

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#9

Naphthalene

Concen: 0.043 ng

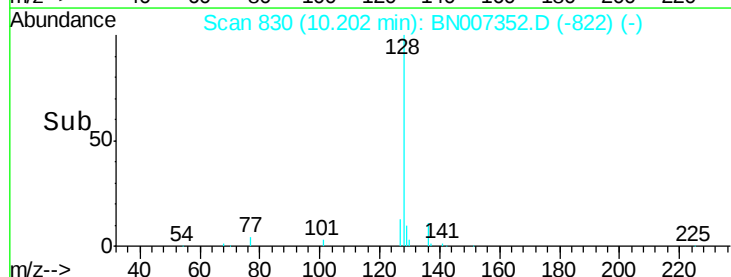
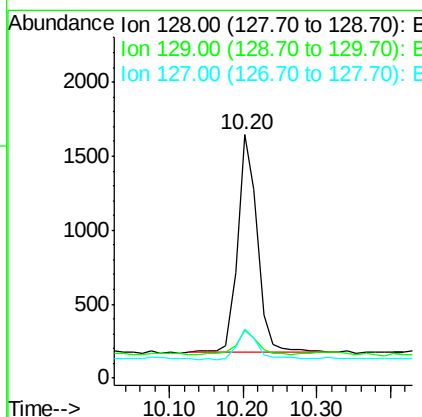
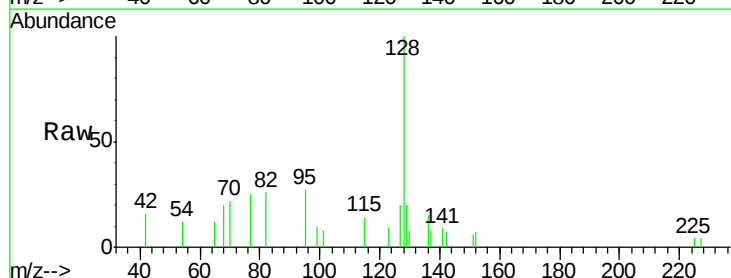
RT: 10.20 min Scan# 830

Delta R.T. -0.00 min

Lab File: BN007352.D

Acq: 24 Aug 2019 06:26

Tgt Ion	128	Resp:	2731
Ion	Ratio	Lower	Upper
128	100		
129	19.7	11.1	16.7#
127	20.1	15.5	23.3





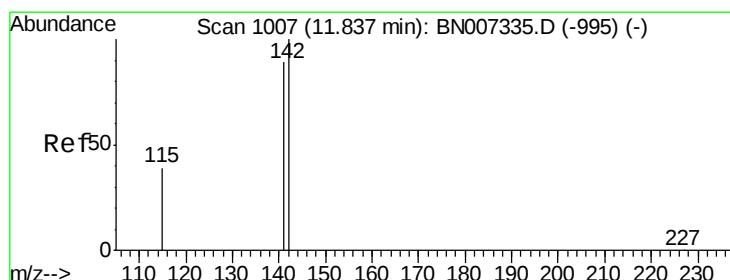
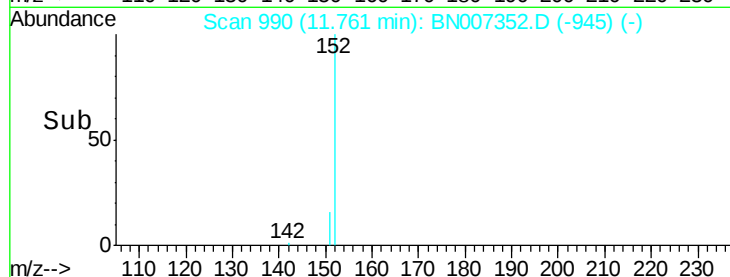
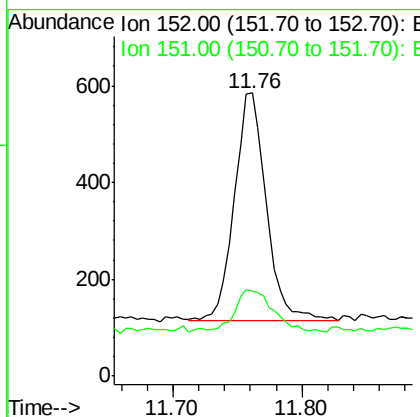
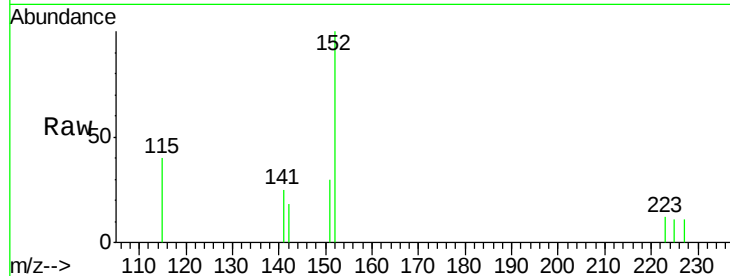
#11
 2-Methylnaphthalene-d10
 Concen: 0.022 ng
 RT: 11.76 min Scan# 990
 Delta R.T. -0.00 min
 Lab File: BN007352.D
 Acq: 24 Aug 2019 06:26

Instrument :
 BNA_N
 ClientSampleId :
 PST-016-SW060-080819DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	22.8	16.2	24.2

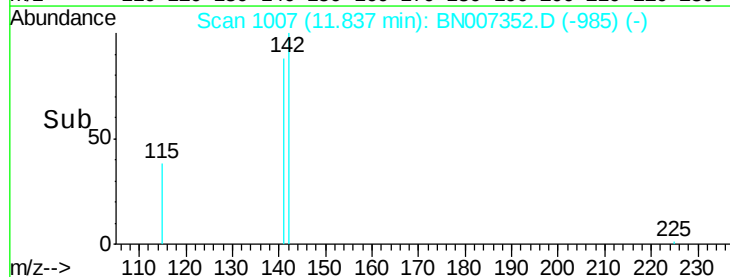
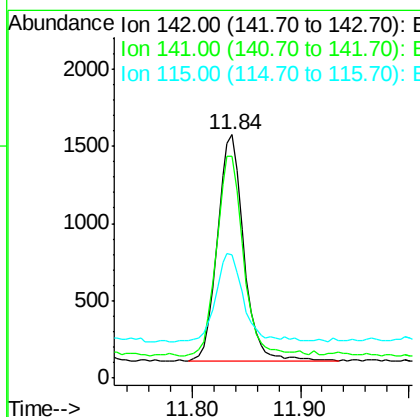
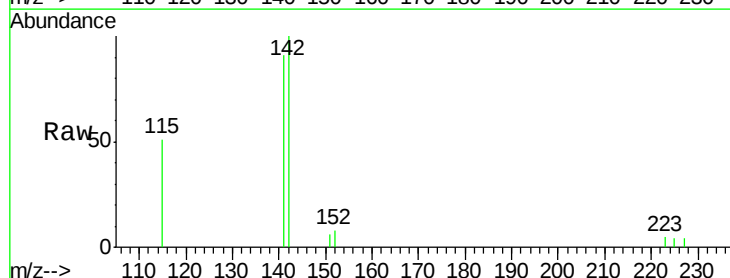
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#12
 2-Methylnaphthalene
 Concen: 0.056 ng
 RT: 11.84 min Scan# 1007
 Delta R.T. -0.00 min
 Lab File: BN007352.D
 Acq: 24 Aug 2019 06:26

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.2	72.8	109.2
115	50.9	35.2	52.8





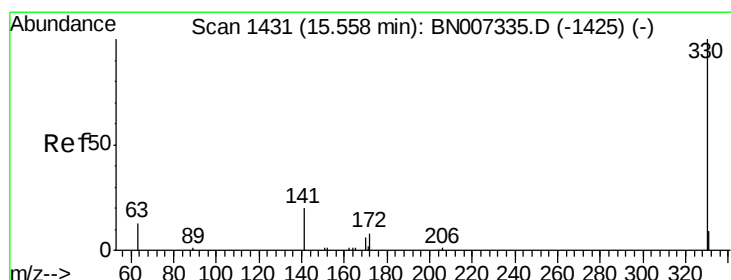
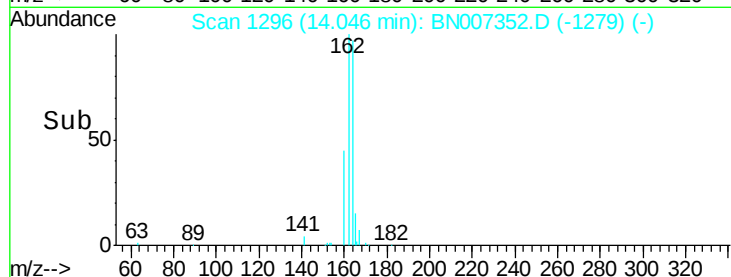
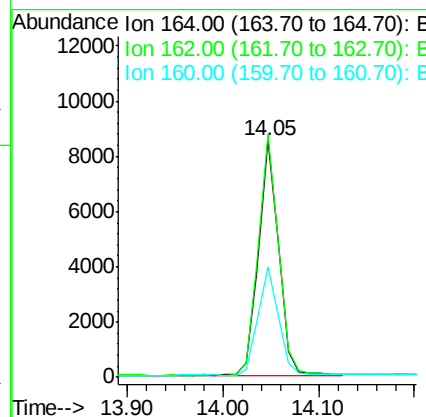
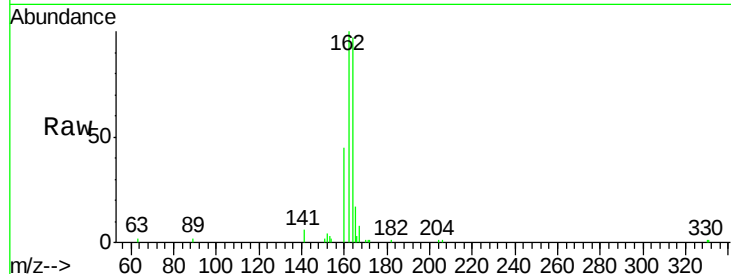
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.05 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BN007352.D
Acq: 24 Aug 2019 06:26

Instrument :
BNA_N
ClientSampleId :
PST-016-SW060-080819DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.7	83.5	125.3
160	46.6	38.2	57.4

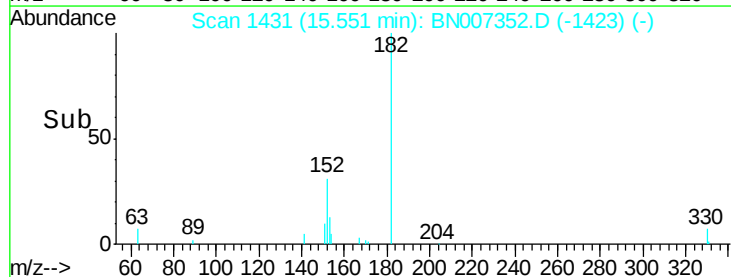
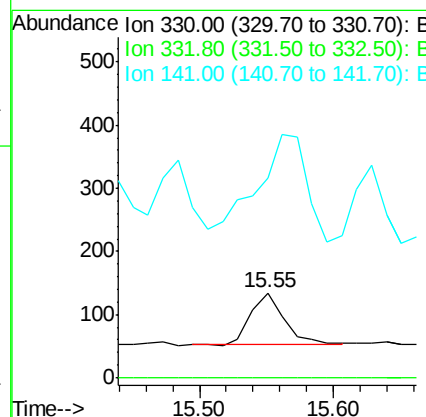
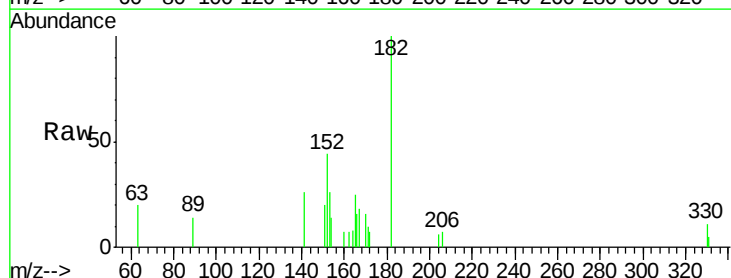
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#14
2,4,6-Tribromophenol
Concen: 0.022 ng
RT: 15.55 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BN007352.D
Acq: 24 Aug 2019 06:26

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	307.5	26.9	40.3#





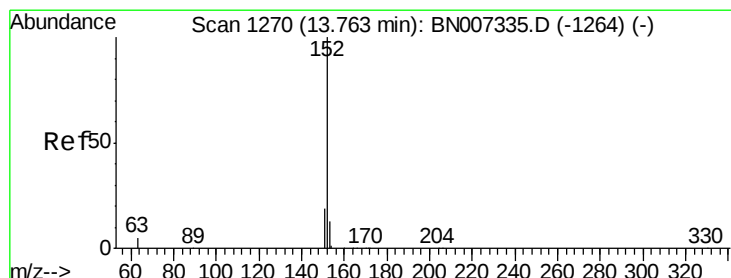
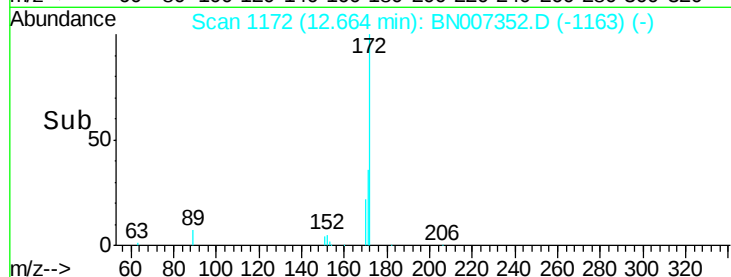
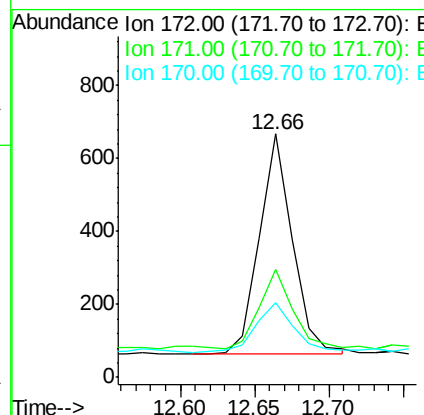
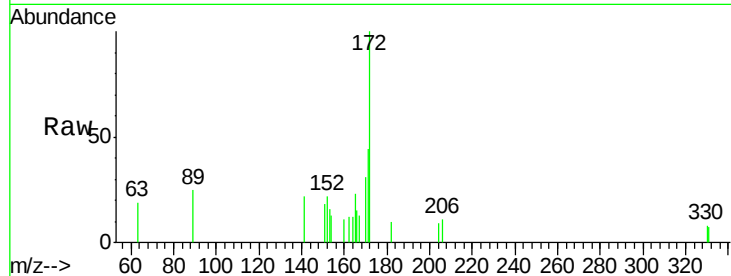
#15
2-Fluorobiphenyl
Concen: 0.018 ng
RT: 12.66 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BN007352.D
Acq: 24 Aug 2019 06:26

Instrument :
BNA_N
ClientSampleId :
PST-016-SW060-080819DL

Tot Ion:	172	Resp:	921
Ion	Ratio	Lower	Upper
172	100		
171	44.5	30.3	45.5
170	30.5	20.7	31.1

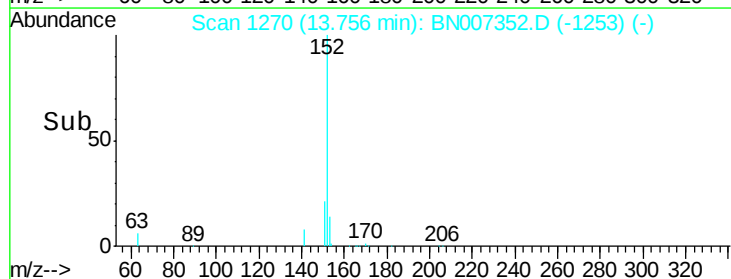
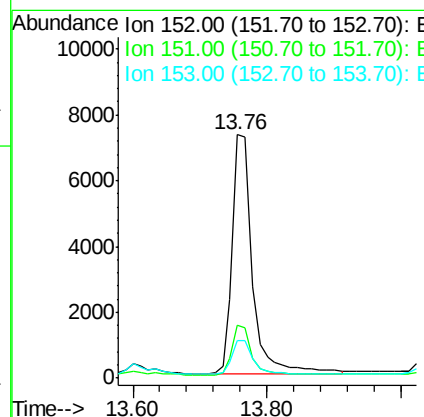
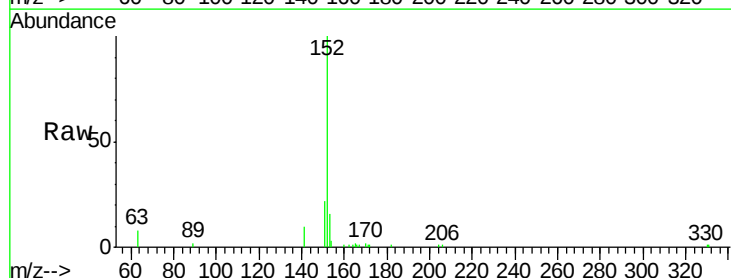
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#16
Acenaphthylene
Concen: 0.205 ng
RT: 13.76 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BN007352.D
Acq: 24 Aug 2019 06:26

Tgt Ion:	152	Resp:	15085
Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.1	24.1
153	14.9	10.6	15.8





#17

Acenaphthene

Concen: 0.066 ng

RT: 14.11 min Scan# 1302

Delta R.T. 0.00 min

Lab File: BN007352.D

Acq: 24 Aug 2019 06:26

Instrument :

BNA_N

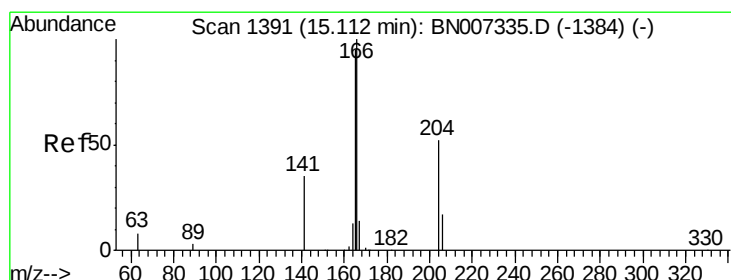
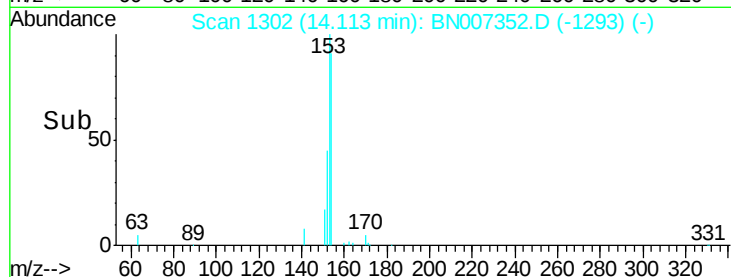
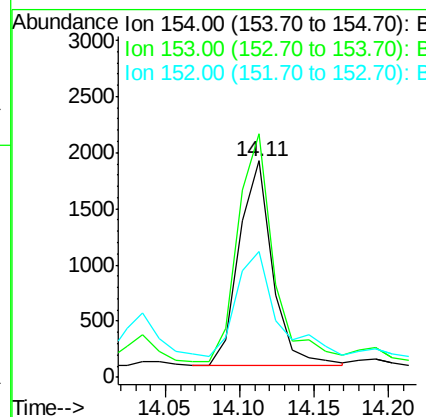
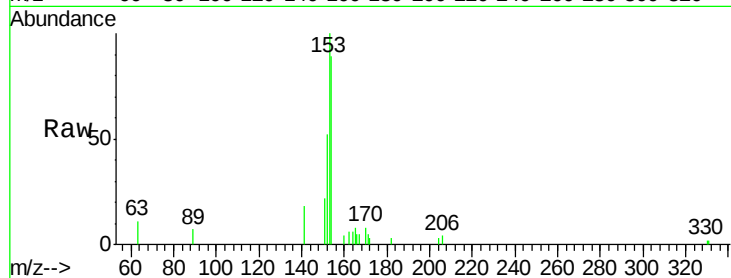
ClientSampleId :

PST-016-SW060-080819DL

Tot Ion:	154	Resp:	2852
Ion Ratio	Lower	Upper	
154	100		
153	119.2	92.8	139.2
152	61.6	43.8	65.8

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#18

Fluorene

Concen: 0.117 ng

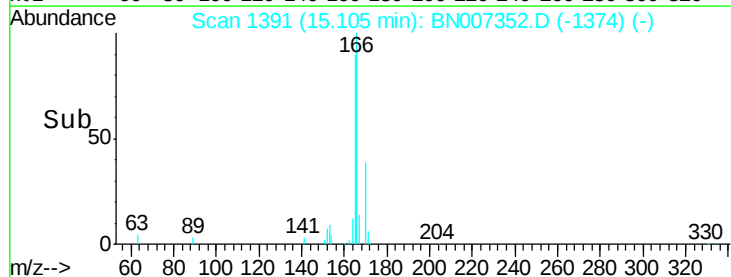
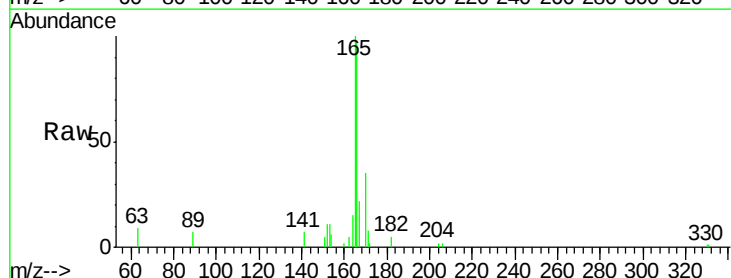
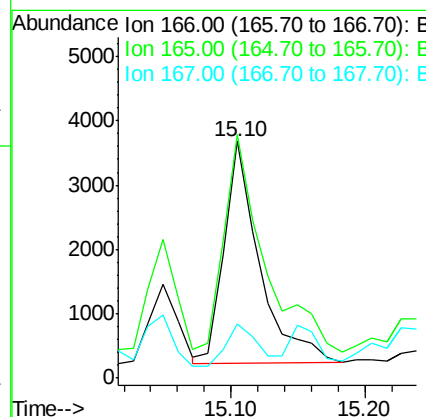
RT: 15.10 min Scan# 1391

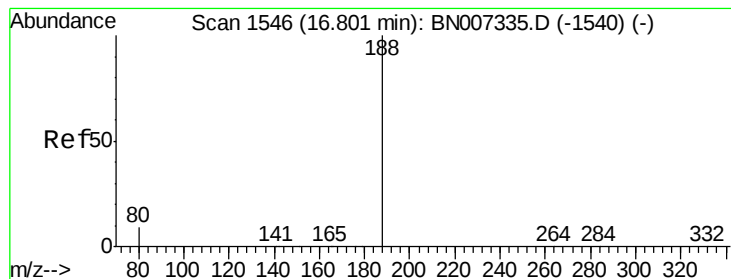
Delta R.T. -0.01 min

Lab File: BN007352.D

Acq: 24 Aug 2019 06:26

Tgt Ion:	166	Resp:	6355
Ion Ratio	Lower	Upper	
166	100		
165	111.5	79.0	118.4
167	16.4	10.6	15.8#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.79 min Scan# 1546

Delta R.T. -0.01 min

Lab File: BN007352.D

Acq: 24 Aug 2019 06:26

Instrument :

BNA_N

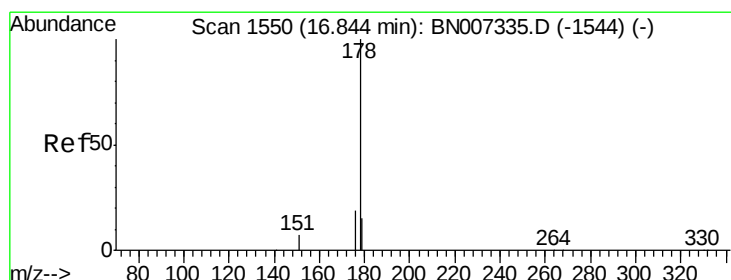
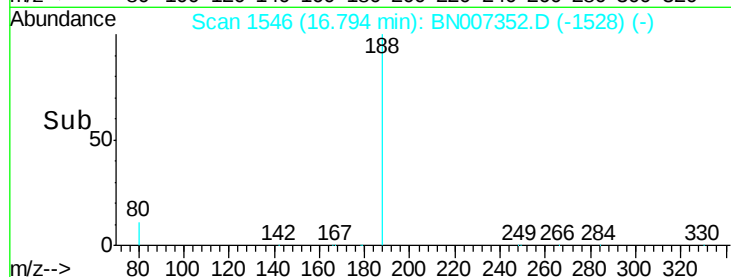
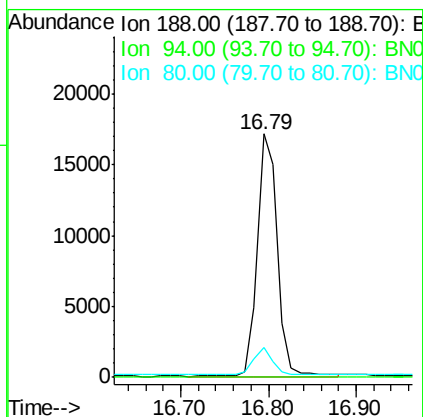
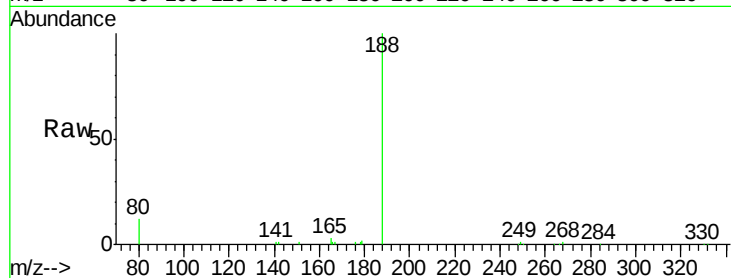
ClientSampleId :

PST-016-SW060-080819DL

Tot Ion:	188	Resp:	27162
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	12.5	11.8	17.8

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#23

Phenanthrene

Concen: 2.472 ng

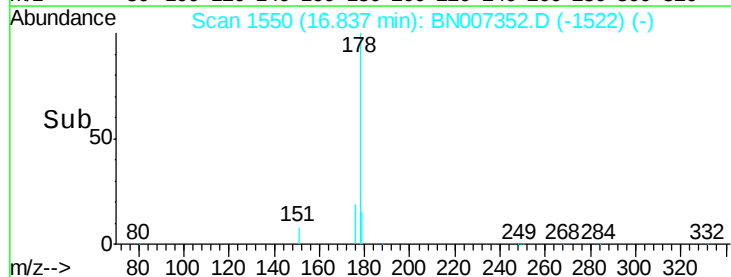
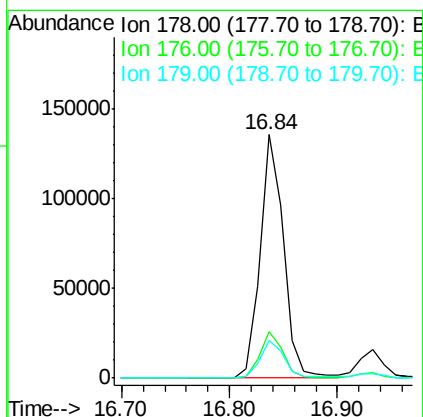
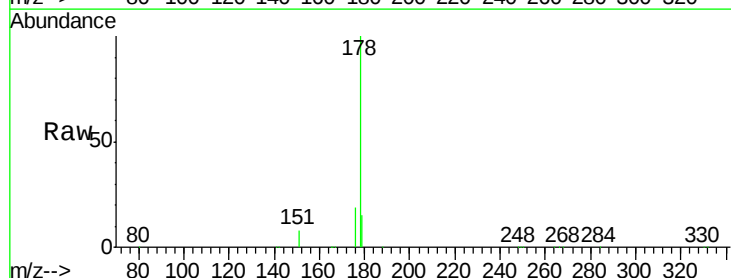
RT: 16.84 min Scan# 1550

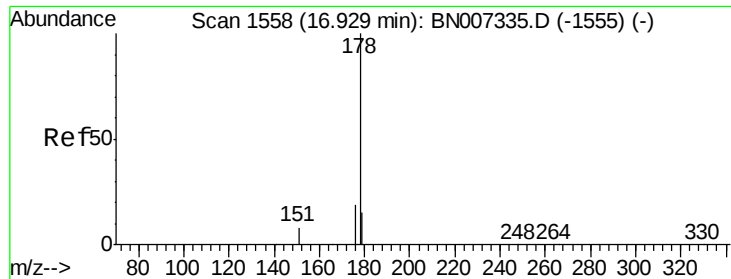
Delta R.T. -0.01 min

Lab File: BN007352.D

Acq: 24 Aug 2019 06:26

Tgt Ion:	178	Resp:	201932
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.3	22.9
179	15.5	12.6	19.0





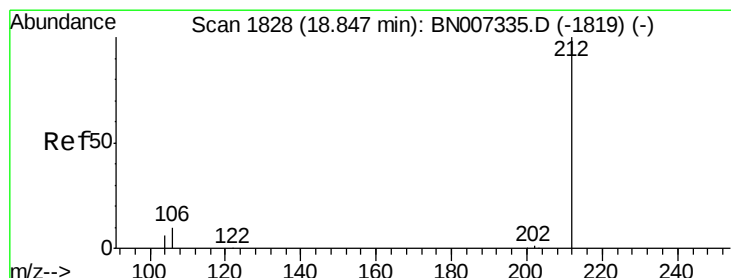
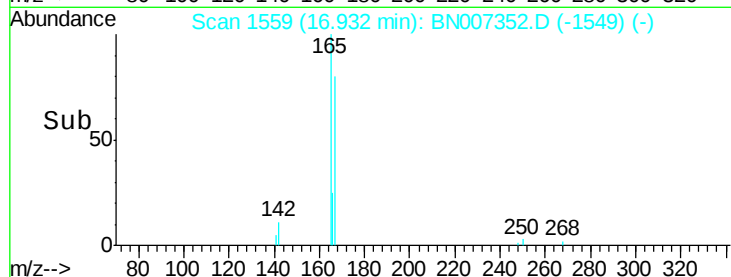
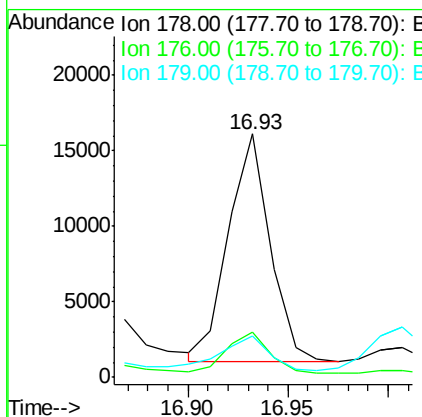
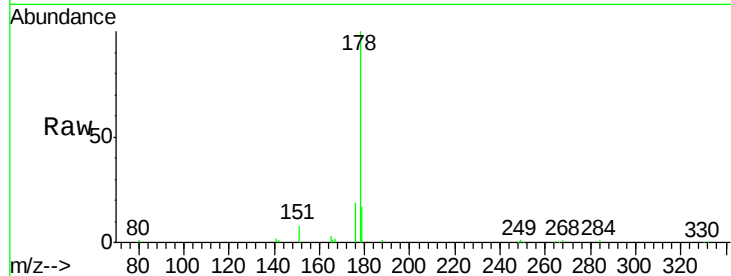
#24
 Anthracene
 Concen: 0.265 ng
 RT: 16.93 min Scan# 1559
 Delta R.T. 0.00 min
 Lab File: BN007352.D
 Acq: 24 Aug 2019 06:26

Instrument :
 BNA_N
 ClientSampleId :
 PST-016-SW060-080819DL

Tot Ion:	178	Resp:	21816
Ion Ratio	Lower	Upper	
178	100		
176	18.3	14.9	22.3
179	17.6	12.4	18.6

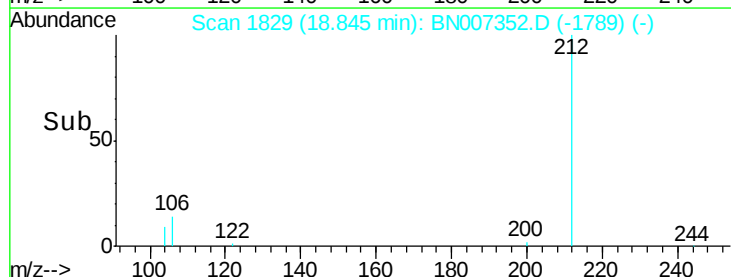
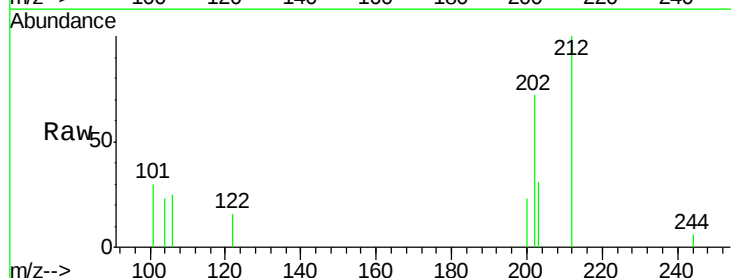
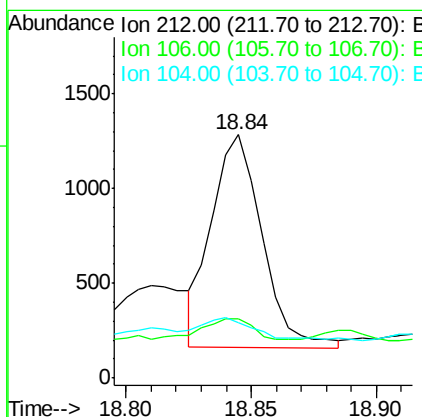
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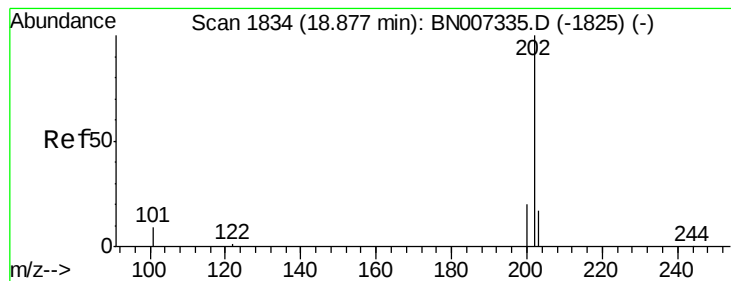
mohammad
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#25
 Fluoranthene-d10
 Concen: 0.018 ng
 RT: 18.84 min Scan# 1829
 Delta R.T. -0.00 min
 Lab File: BN007352.D
 Acq: 24 Aug 2019 06:26

Tgt Ion:	212	Resp:	1574
Ion Ratio	Lower	Upper	
212	100		
106	12.3	9.0	13.4
104	9.6	5.4	8.2#





#26

Fluoranthene

Concen: 1.980 ng

RT: 18.87 min Scan# 1835

Delta R.T. -0.00 min

Lab File: BN007352.D

Acq: 24 Aug 2019 06:26

Instrument :

BNA_N

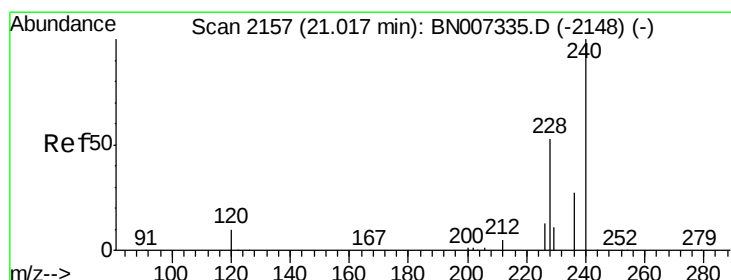
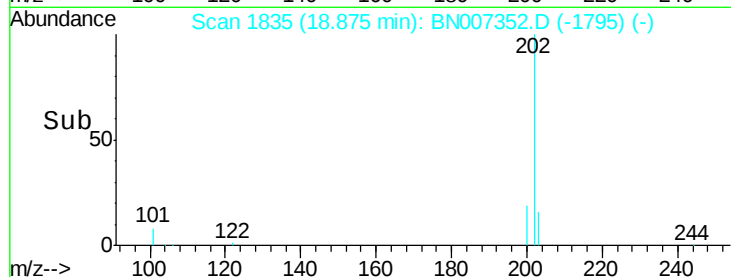
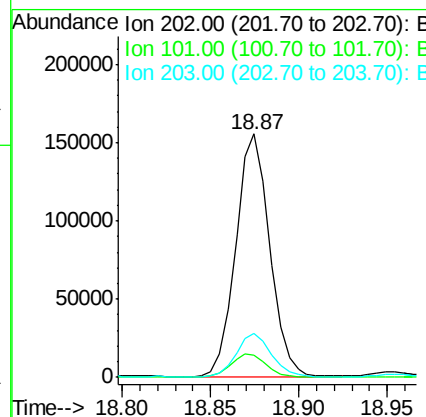
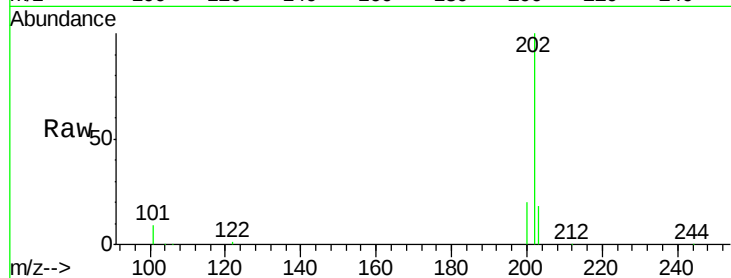
ClientSampleId :

PST-016-SW060-080819DL

Tot Ion:	202	Resp:	207705
Ion Ratio	Lower	Upper	
202	100		
101	9.7	7.7	11.5
203	18.1	13.7	20.5

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#27

Chrysene-d12

Concen: 0.400 ng

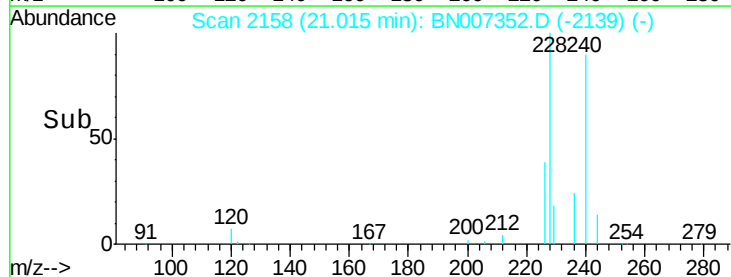
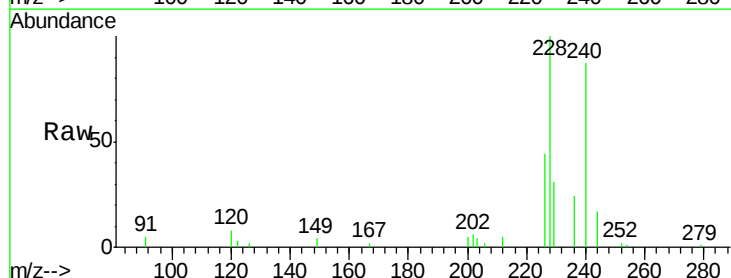
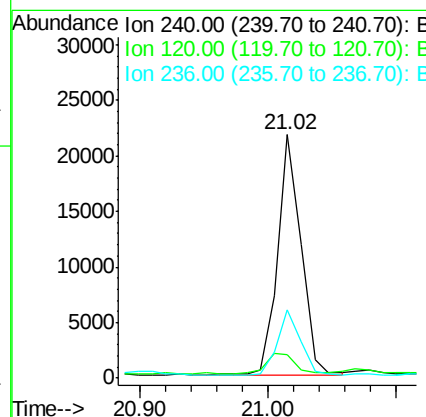
RT: 21.02 min Scan# 2158

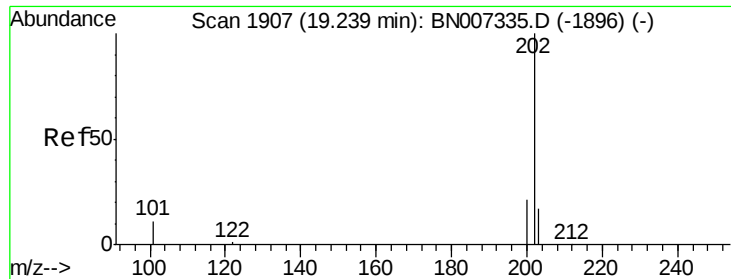
Delta R.T. -0.00 min

Lab File: BN007352.D

Acq: 24 Aug 2019 06:26

Tgt Ion:	240	Resp:	27280
Ion Ratio	Lower	Upper	
240	100		
120	9.5	9.6	14.4#
236	27.8	22.2	33.2





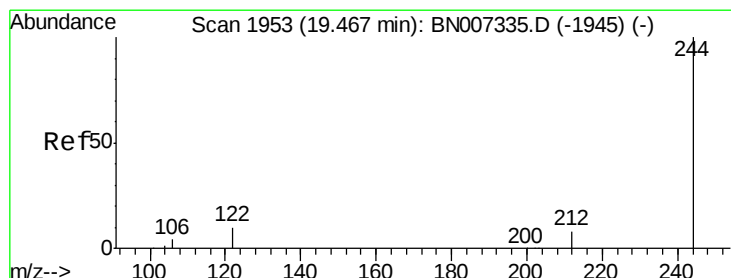
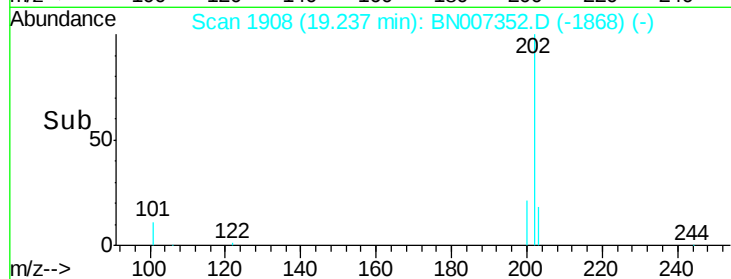
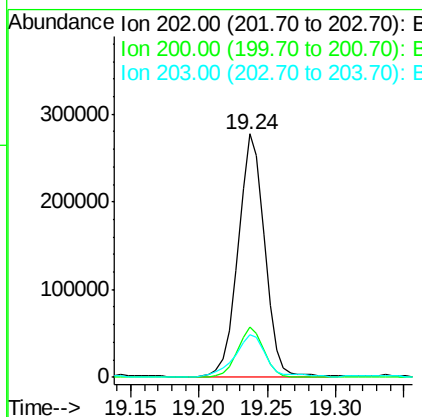
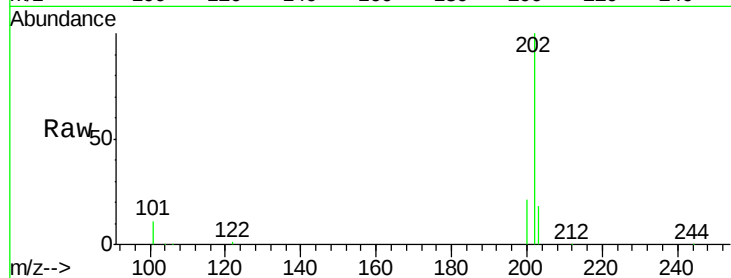
#28
Pvrene
Concen: 3.388 ng
RT: 19.24 min Scan# 1908
Delta R.T. -0.00 min
Lab File: BN007352.D
Acq: 24 Aug 2019 06:26

Instrument :
BNA_N
ClientSampleId :
PST-016-SW060-080819DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.6	25.0
203	20.1	14.2	21.4

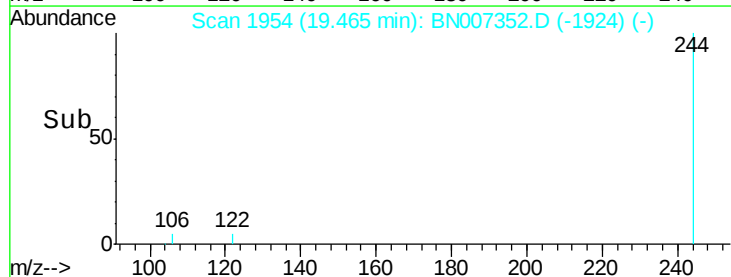
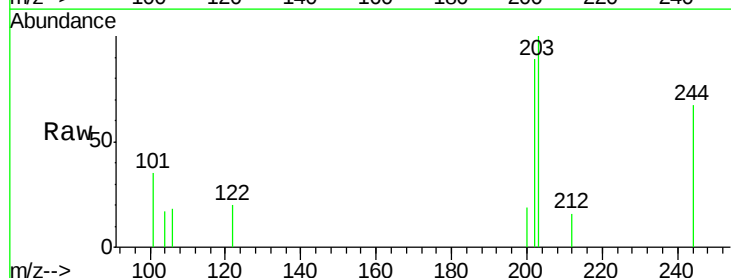
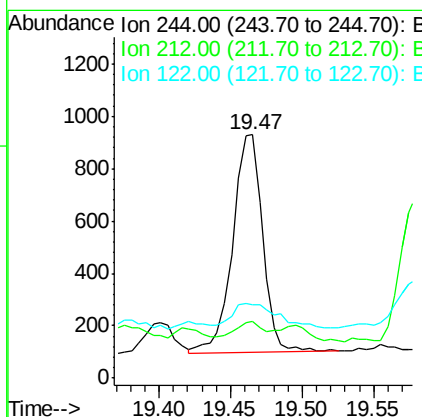
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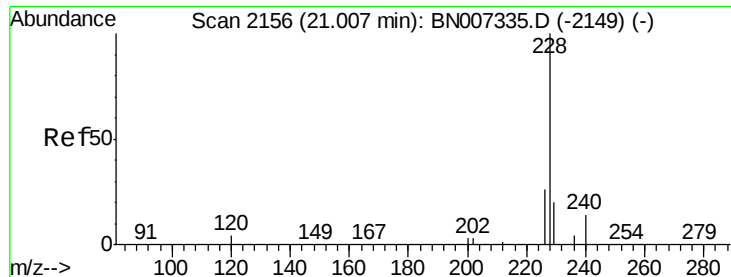
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#29
Terphenyl-d14
Concen: 0.017 ng
RT: 19.47 min Scan# 1954
Delta R.T. -0.00 min
Lab File: BN007352.D
Acq: 24 Aug 2019 06:26

Tgt Ion	Ratio	Lower	Upper
244	100		
212	23.4	7.0	10.6#
122	30.0	9.6	14.4#





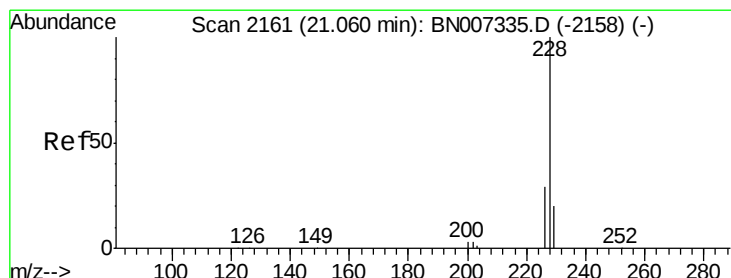
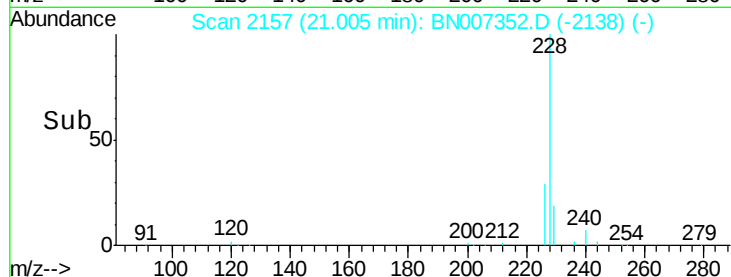
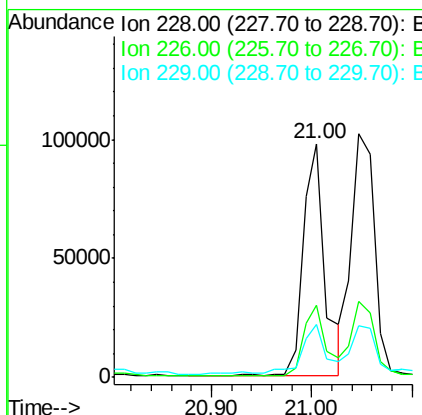
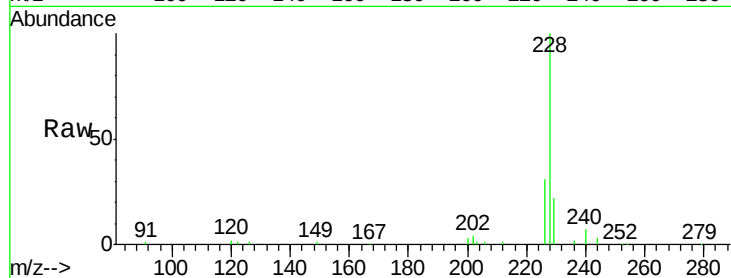
#30
Benzo(a)anthracene
Concen: 1.396 ng
RT: 21.00 min Scan# 2157
Delta R.T. -0.00 min
Lab File: BN007352.D
Acq: 24 Aug 2019 06:26

Instrument :
BNA_N
ClientSampleId :
PST-016-SW060-080819DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	21.3	31.9
229	22.5	16.1	24.1

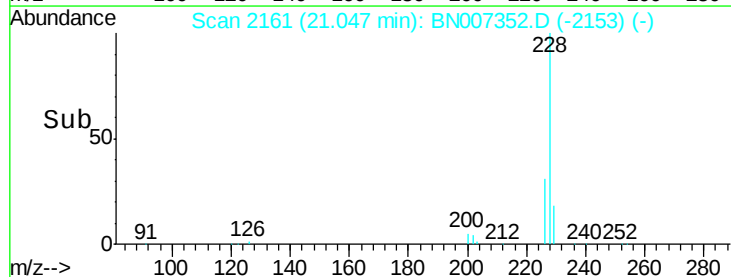
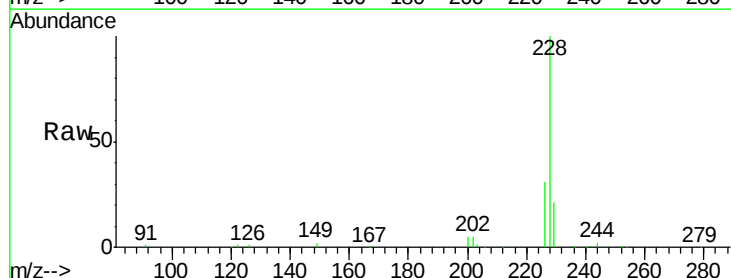
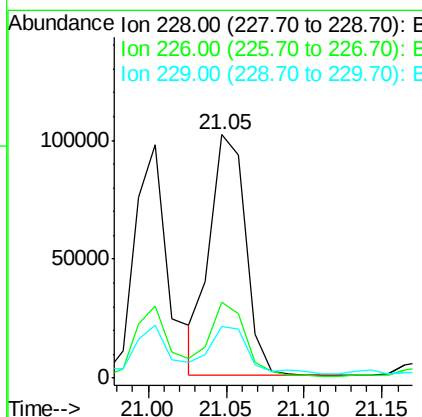
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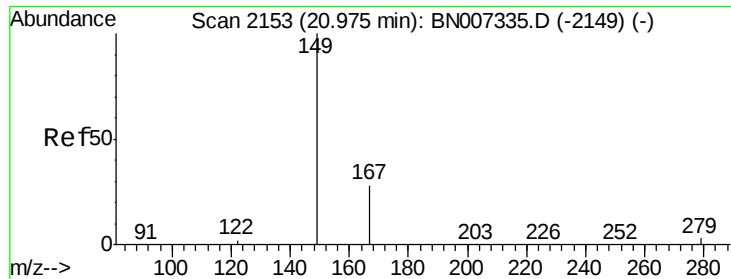
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#31
Chrysene
Concen: 1.564 ng
RT: 21.05 min Scan# 2161
Delta R.T. -0.01 min
Lab File: BN007352.D
Acq: 24 Aug 2019 06:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	23.5	35.3
229	21.4	16.6	24.8





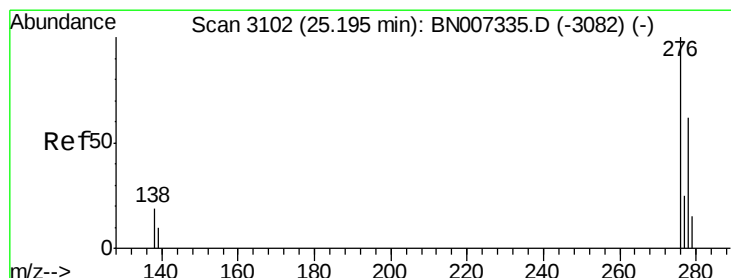
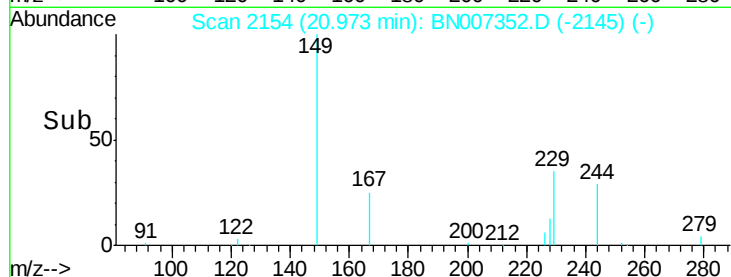
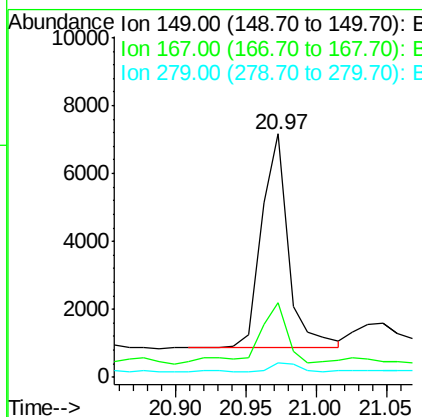
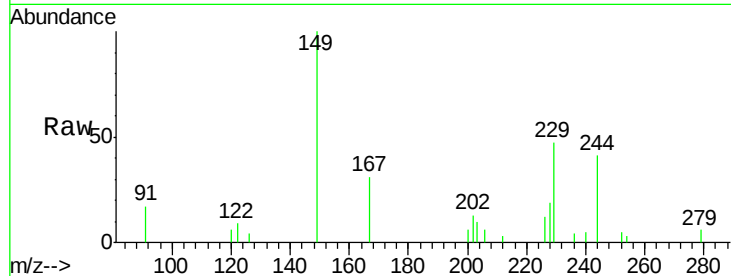
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.102 ng
 RT: 20.97 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: BN007352.D
 Acq: 24 Aug 2019 06:26

Instrument :
 BNA_N
 ClientSampleId :
 PST-016-SW060-080819DL

Tot Ion	Ratio	Lower	Upper
149	100		
167	31.8	22.8	34.2
279	5.1	3.5	5.3

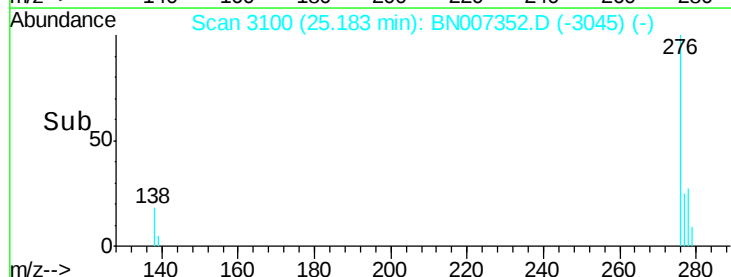
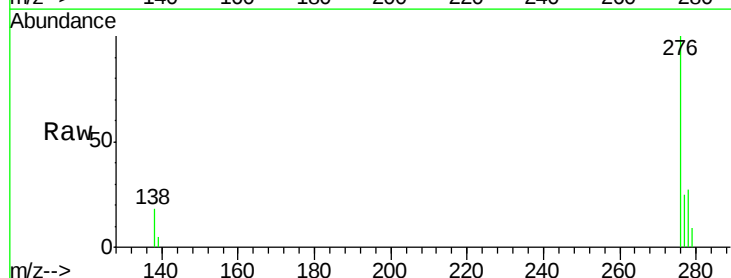
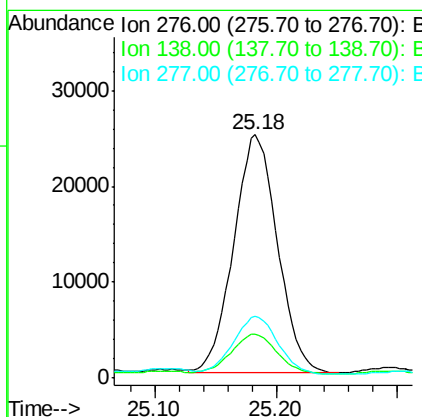
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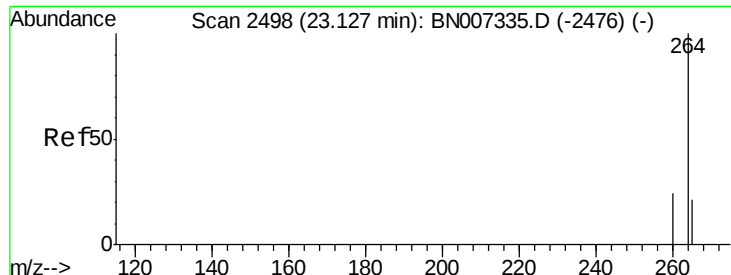
mohammad
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.500 ng
 RT: 25.18 min Scan# 3100
 Delta R.T. -0.01 min
 Lab File: BN007352.D
 Acq: 24 Aug 2019 06:26

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.3	15.1	22.7
277	24.9	19.7	29.5





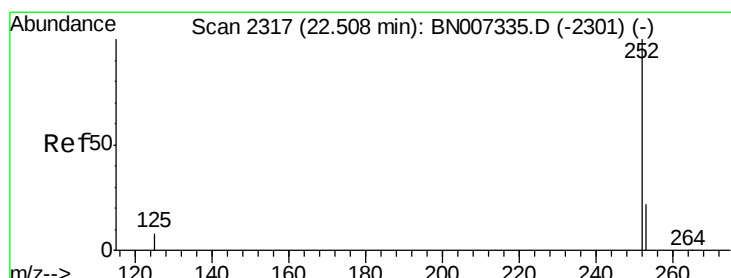
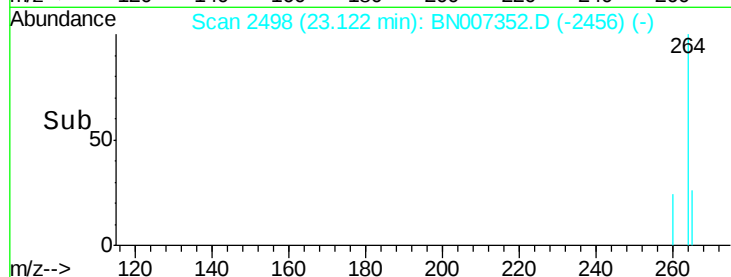
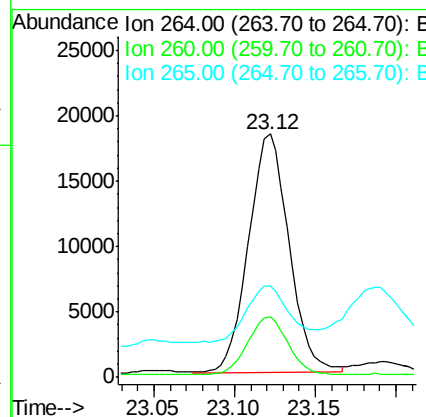
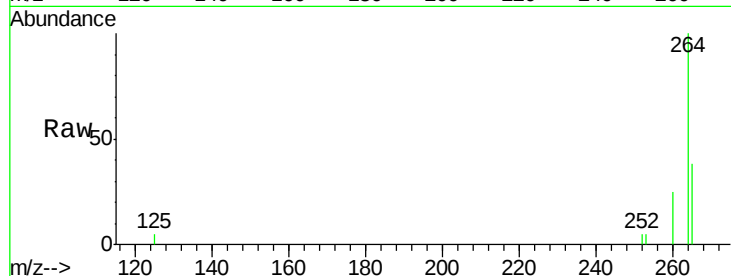
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.12 min Scan# 2498
Delta R.T. -0.01 min
Lab File: BN007352.D
Acq: 24 Aug 2019 06:26

Instrument :
BNA_N
ClientSampleId :
PST-016-SW060-080819DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.7	29.5
265	37.5	29.9	44.9

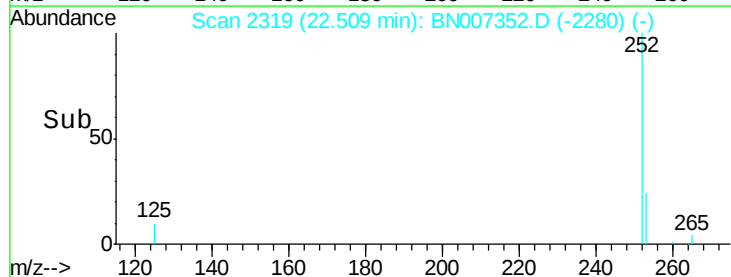
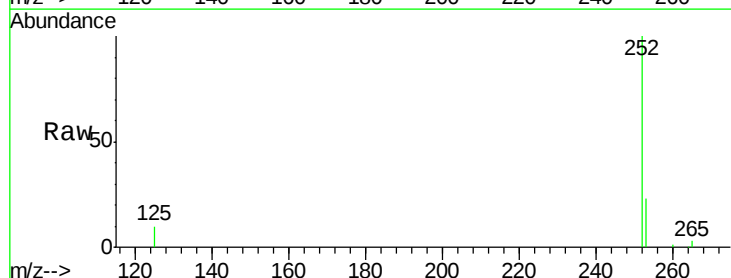
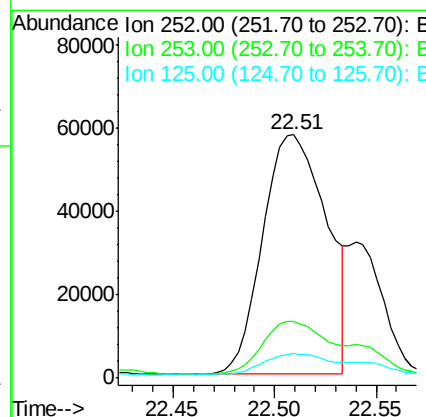
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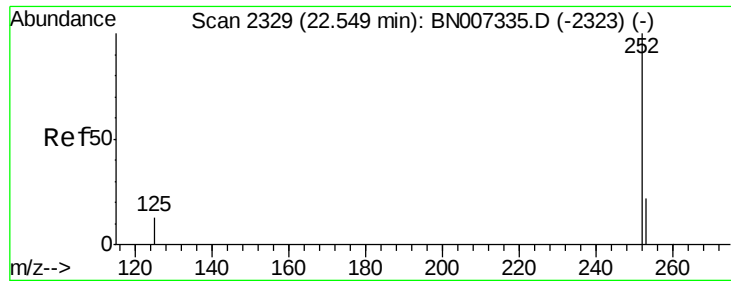
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#35
Benzo(b)fluoranthene
Concen: 1.092 ng m
RT: 22.51 min Scan# 2319
Delta R.T. 0.00 min
Lab File: BN007352.D
Acq: 24 Aug 2019 06:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	19.2	28.8
125	9.9	10.6	16.0





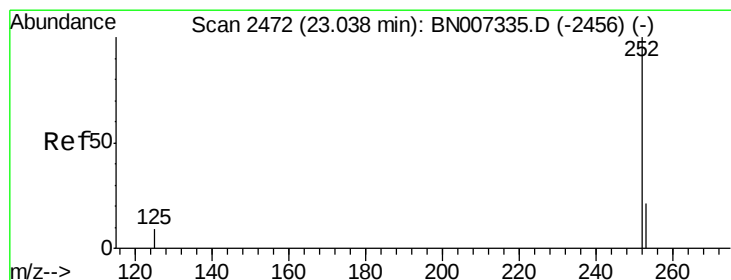
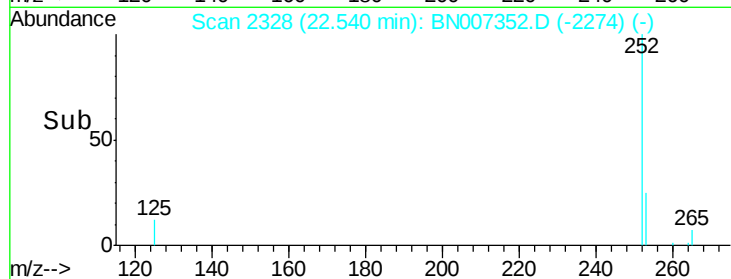
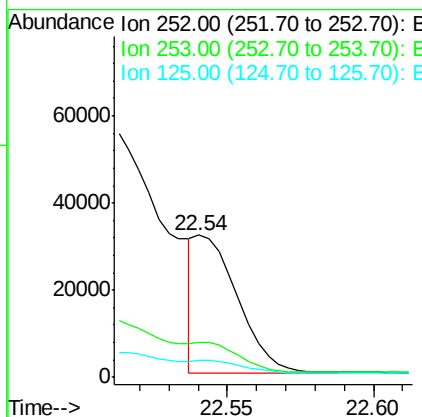
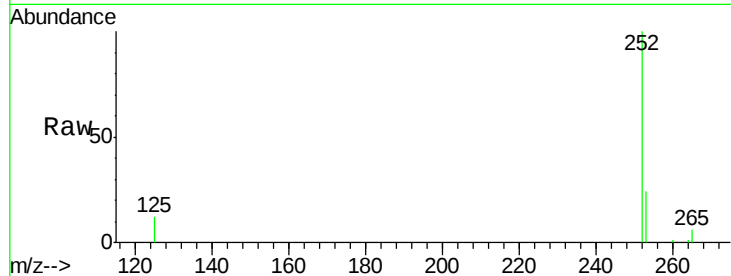
#36
Benzo(k)fluoranthene
Concen: 0.288 ng m
RT: 22.54 min Scan# 2328
Delta R.T. -0.01 min
Lab File: BN007352.D
Acq: 24 Aug 2019 06:26

Instrument :
BNA_N
ClientSampleId :
PST-016-SW060-080819DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	19.4	29.2
125	11.6	13.1	19.7

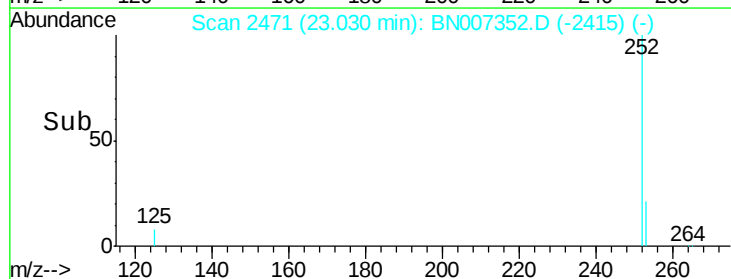
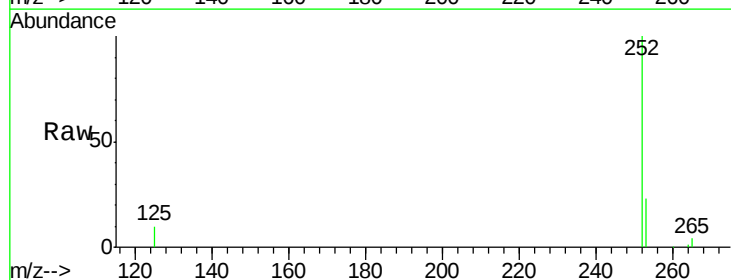
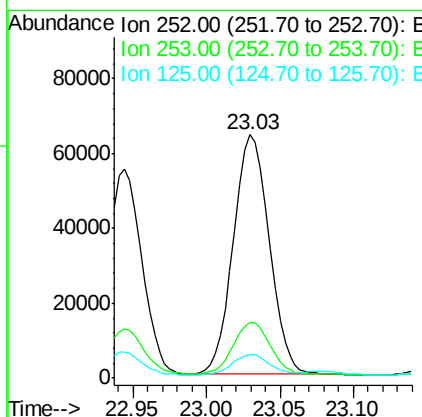
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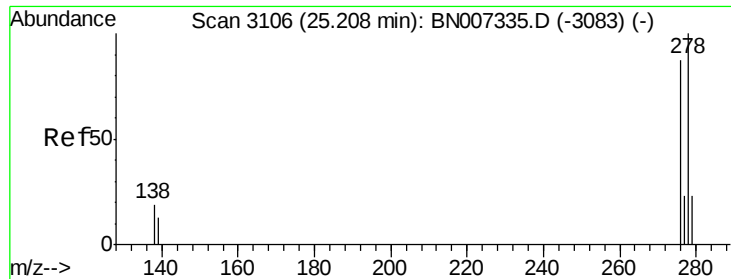
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#37
Benzo(a)pyrene
Concen: 0.995 ng m
RT: 23.03 min Scan# 2471
Delta R.T. -0.01 min
Lab File: BN007352.D
Acq: 24 Aug 2019 06:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	19.5	29.3
125	9.7	12.1	18.1





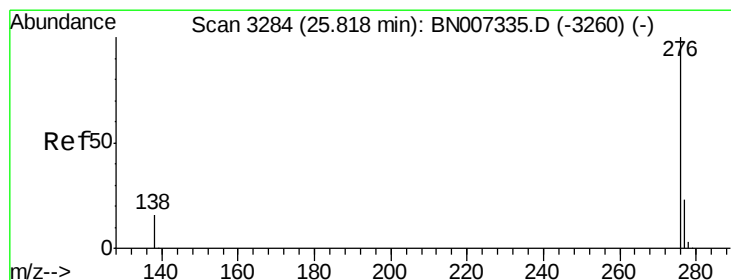
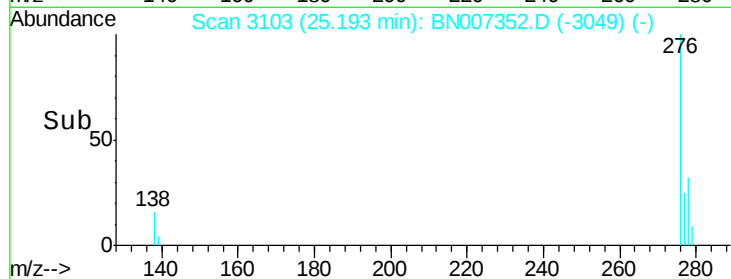
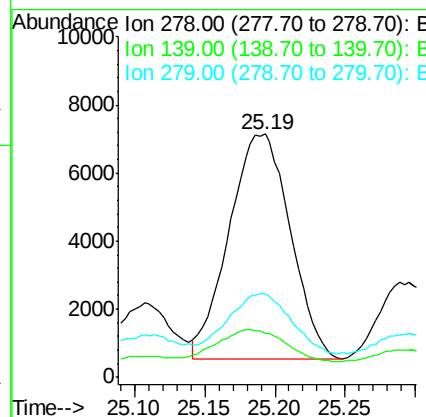
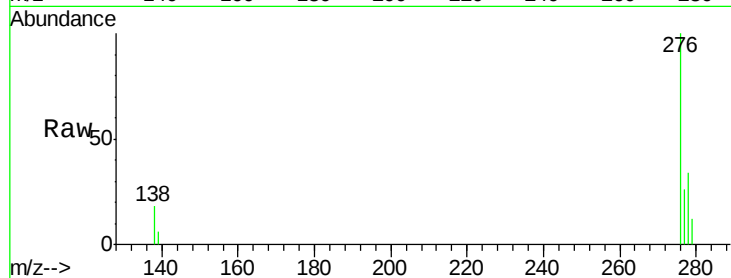
#38
Dibenzo(a,h)anthracene
Concen: 0.183 ng
RT: 25.19 min Scan# 3103
Delta R.T. -0.02 min
Lab File: BN007352.D
Acq: 24 Aug 2019 06:26

Instrument :
BNA_N
ClientSampleId :
PST-016-SW060-080819DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.3	13.7	20.5
279	34.4	20.2	30.4

Manual Integrations
APPROVED

mohammad
8/29/2019 7:59:58 AM



#39
Benzo(g,h,i)perylene
Concen: 0.712 ng
RT: 25.81 min Scan# 3283
Delta R.T. -0.01 min
Lab File: BN007352.D
Acq: 24 Aug 2019 06:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.6	29.4
138	17.8	16.3	24.5

