

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100219\
 Data File : BN007967.D
 Acq On : 02 Oct 2019 16:06
 Operator : JU
 Sample : K5078-20
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW135-092519

Manual Integrations
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mohammad
 10/4/2019 8:16:19 AM

Quant Time: Oct 03 06:59:03 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN091819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Sep 18 18:24:40 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	5274	0.40	ng	-0.01
7) Naphthalene-d8	10.45	136	21576	0.40	ng	-0.02
13) Acenaphthene-d10	14.31	164	13704	0.40	ng	-0.02
19) Phenanthrene-d10	17.06	188	29565	0.40	ng	-0.01
27) Chrysene-d12	21.25	240	31733	0.40	ng	-0.02
34) Perylene-d12	23.47	264	36506	0.40	ng	-0.03

System Monitoring Compounds

4) 2-Fluorophenol	5.31	112	4220	0.23	ng	-0.01
5) Phenol-d6	6.87	99	5821	0.25	ng	0.00
8) Nitrobenzene-d5	8.83	82	4063	0.22	ng	0.00
11) 2-Methylnaphthalene-d10	12.05	152	9705	0.27	ng	-0.02
14) 2,4,6-Tribromophenol	15.80	330	1462	0.20	ng	-0.02
15) 2-Fluorobiphenyl	12.93	172	13348	0.24	ng	-0.02
25) Fluoranthene-d10	19.10	212	26270	0.26	ng	-0.01
29) Terphenyl-d14	19.70	244	21599	0.28	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.50	128	11113	0.184	ng	97
12) 2-Methylnaphthalene	12.12	142	7085	0.173	ng	98
16) Acenaphthylene	14.03	152	51580	0.710	ng	99
17) Acenaphthene	14.38	154	33213	0.709	ng	96
18) Fluorene	15.37	166	54965	0.915	ng	95
22) Pentachlorophenol	16.72	266	272	0.038	ng	88
23) Phenanthrene	17.10	178	1238128	13.443	ng	100
24) Anthracene	17.18	178	88329	1.062	ng	# 91
26) Fluoranthene	19.13	202	1921936	16.782	ng	99
28) Pyrene	19.49	202	1598771	14.772	ng	# 96
30) Benzo(a)anthracene	21.24	228	681540	5.832	ng	97
31) Chrysene	21.29	228	764224	6.710	ng	96
32) Bis(2-ethylhexyl)phthalate	21.18	149	78141	1.300	ng	# 69
33) Indeno(1,2,3-cd)pyrene	25.67	276	510947	3.583	ng	95
35) Benzo(b)fluoranthene	22.81	252	1005167	7.931	ng	98
36) Benzo(k)fluoranthene	22.85	252	378138m	3.017	ng	
37) Benzo(a)pyrene	23.37	252	654327	5.494	ng	97
38) Dibenzo(a,h)anthracene	25.68	278	116280	0.954	ng	98
39) Benzo(g,h,i)perylene	26.35	276	502827	4.170	ng	99

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

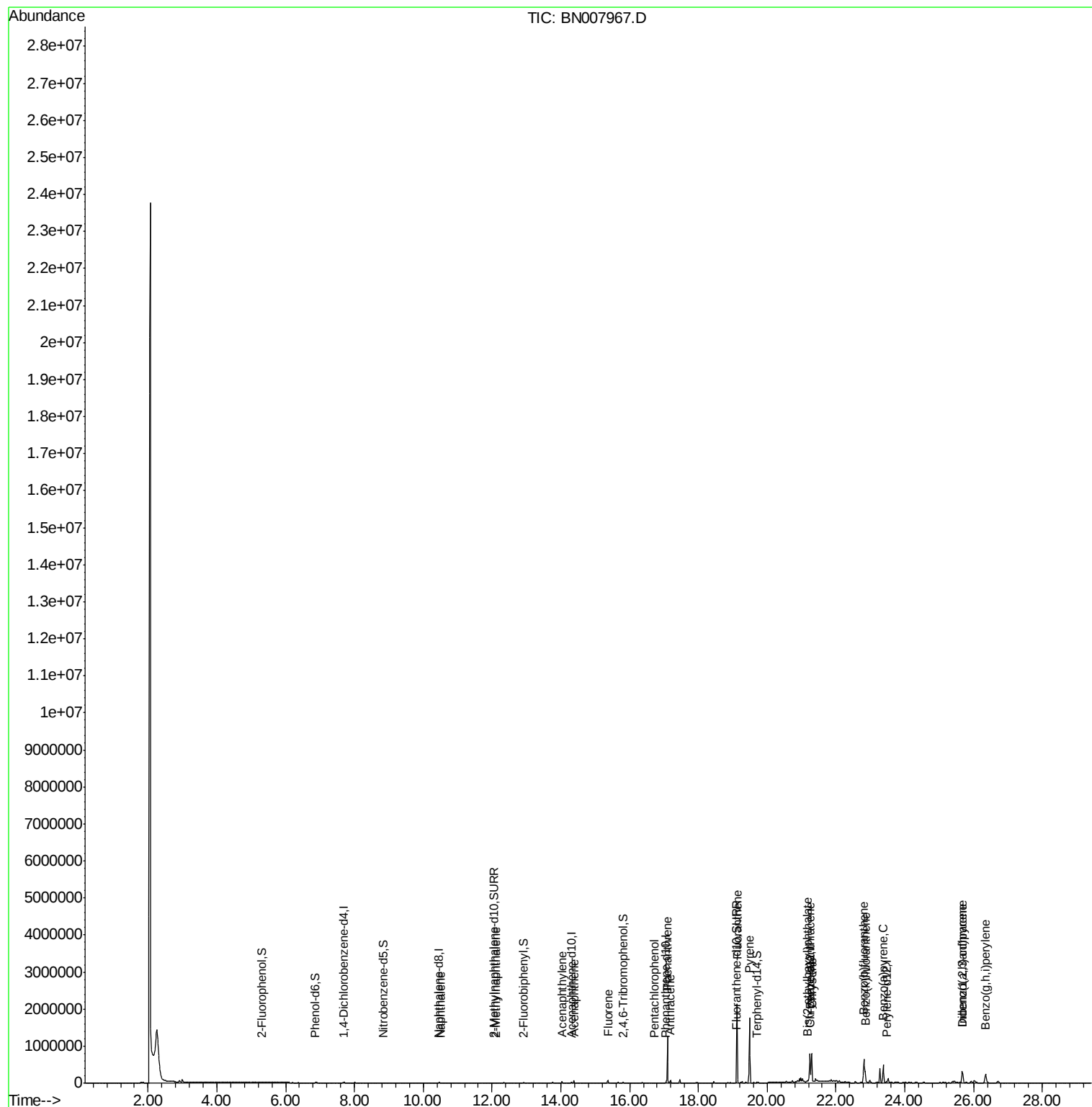
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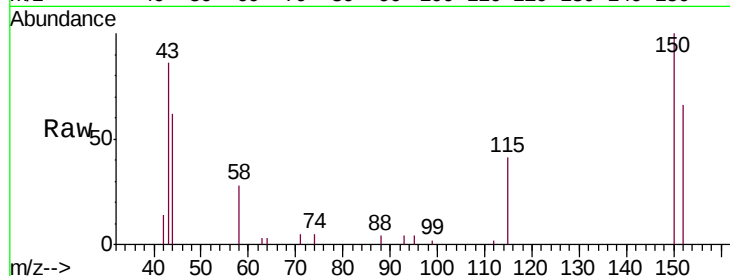




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 935
Delta R.T. -0.01 min
Lab File: BN007967.D
Acq: 02 Oct 2019 16:06

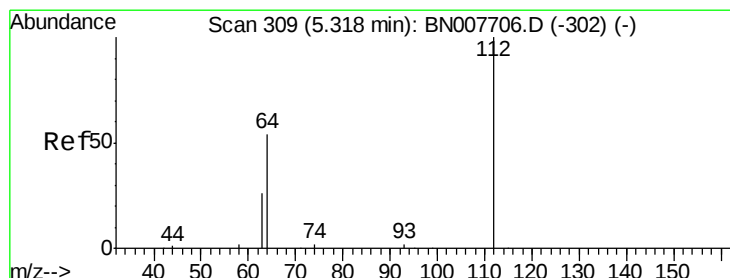
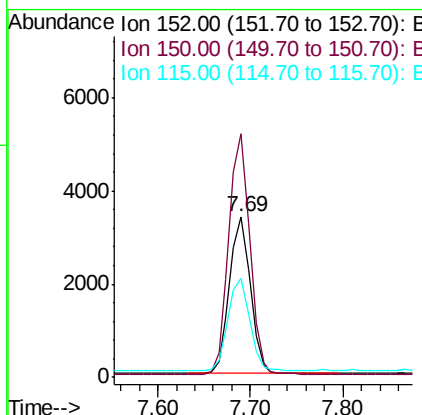
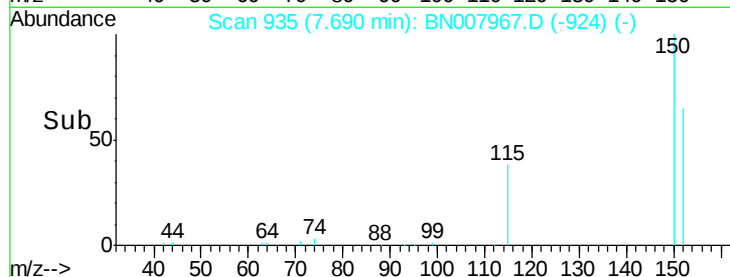
Instrument :
BNA_N
ClientSampleId :
PST-024-SW135-092519



Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.6	125.6	188.4
115	61.7	53.3	79.9

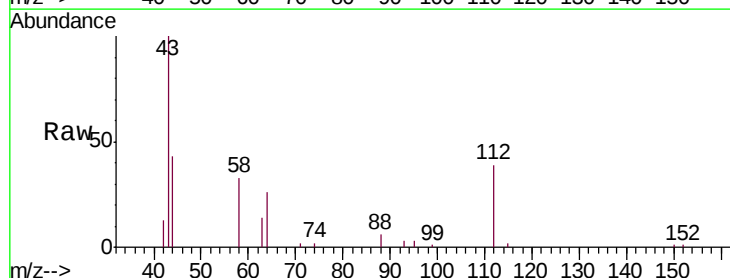
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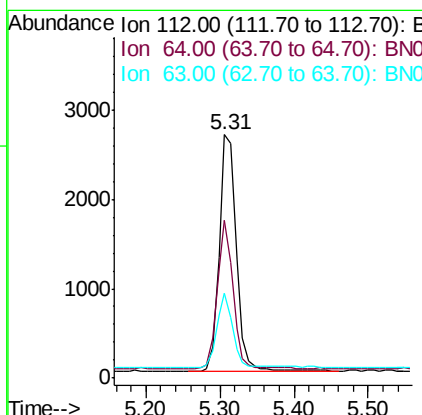
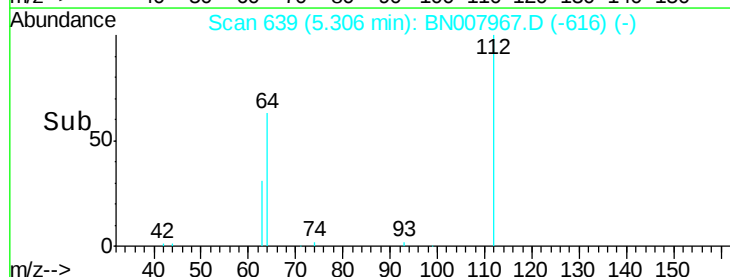


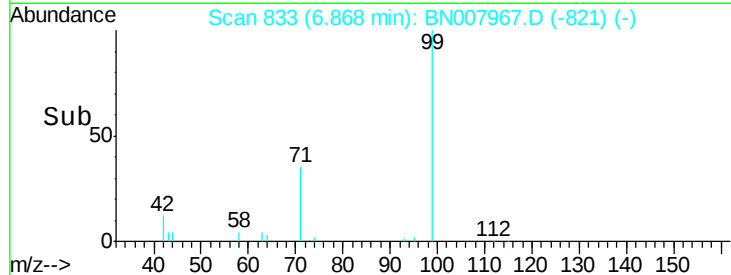
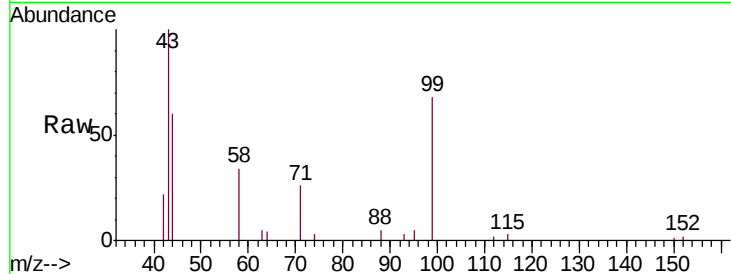
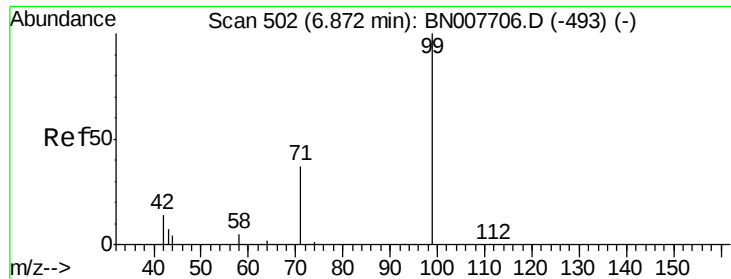
#4

2-Fluorophenol
Concen: 0.232 ng
RT: 5.31 min Scan# 639
Delta R.T. -0.01 min
Lab File: BN007967.D
Acq: 02 Oct 2019 16:06



Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.5	46.6	70.0
63	29.0	23.1	34.7





#5

Phenol-d6

Concen: 0.255 ng

RT: 6.87 min Scan# 833

Delta R.T. -0.00 min

Lab File: BN007967.D

Acq: 02 Oct 2019 16:06

Tgt Ion:	99	Resp:	5821
Ion Ratio	Lower	Upper	
99	100		
42	21.4	12.8	19.2#
71	34.9	27.6	41.4

Instrument :

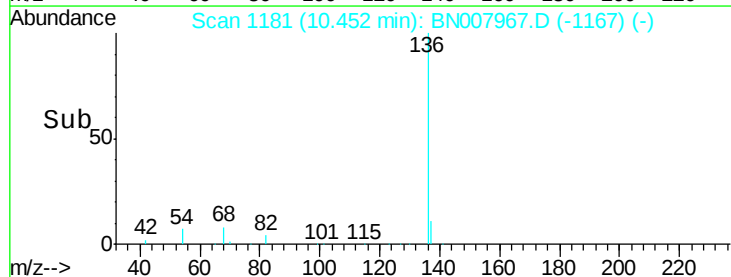
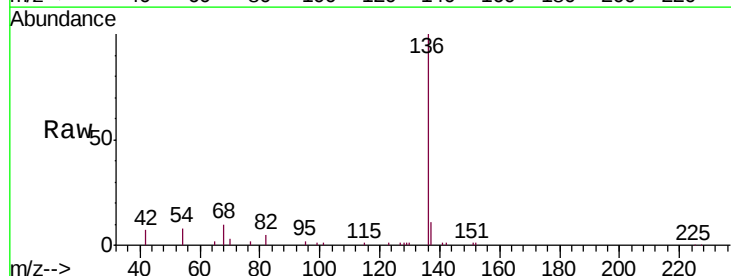
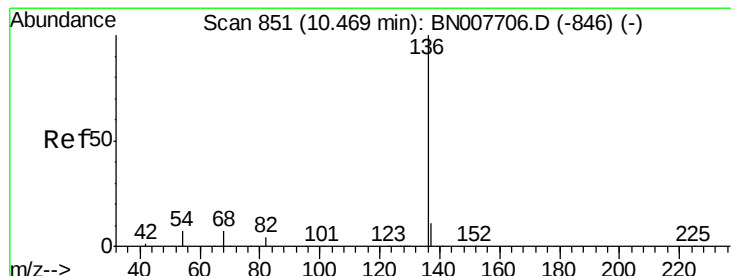
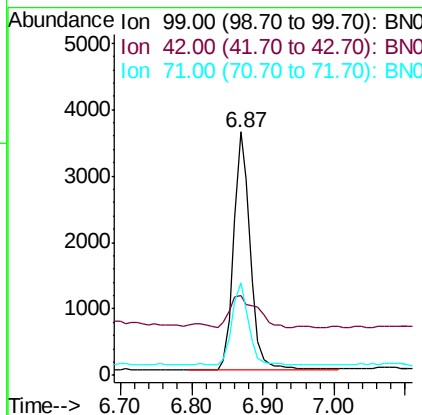
BNA_N

ClientSampleId :

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#7

Naphthalene-d8

Concen: 0.400 ng

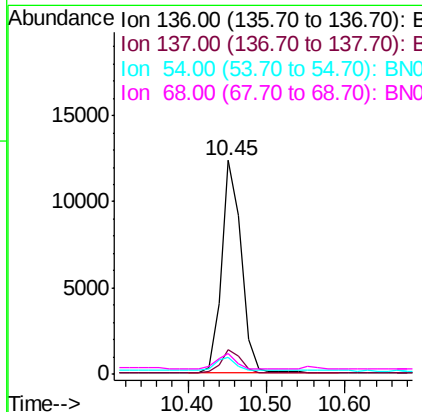
RT: 10.45 min Scan# 1181

Delta R.T. -0.02 min

Lab File: BN007967.D

Acq: 02 Oct 2019 16:06

Tgt Ion:	136	Resp:	21576
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.2	13.8
54	8.1	5.8	8.8
68	9.5	6.5	9.7





#8

Nitrobenzene-d5

Concen: 0.215 ng

RT: 8.83 min Scan# 1053

Delta R.T. -0.00 min

Lab File: BN007967.D

Acq: 02 Oct 2019 16:06

Instrument :

BNA_N

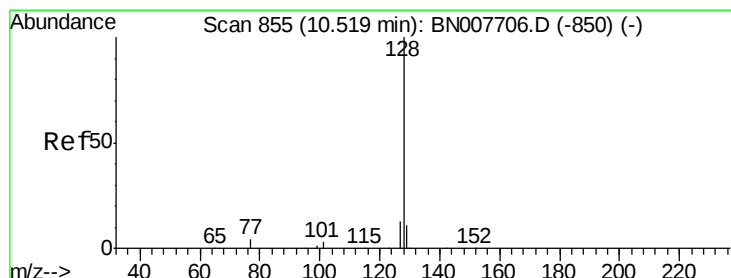
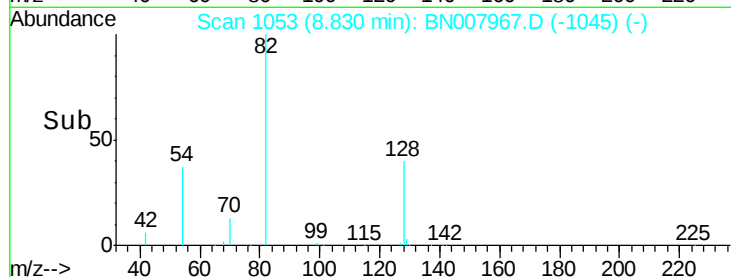
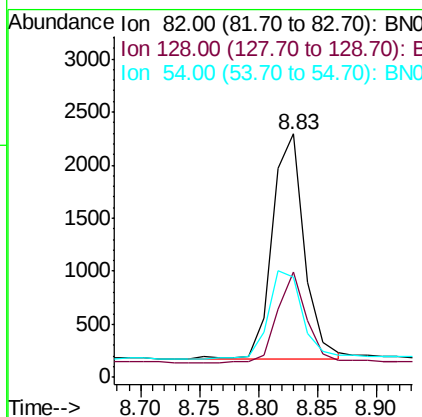
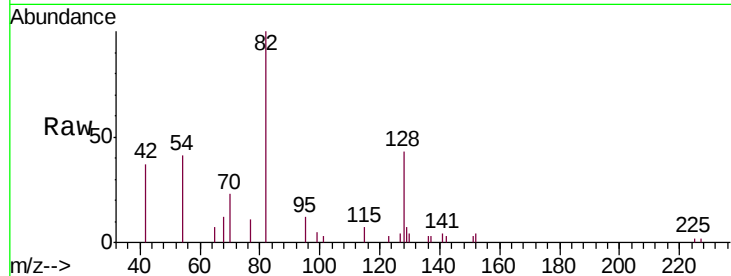
ClientSampleId :

PST-024-SW135-092519

Tgt Ion:	82	Resp:	4063
Ion Ratio	Lower	Upper	
82	100		
128	43.0	24.5	36.7#
54	41.4	35.2	52.8

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#9

Naphthalene

Concen: 0.184 ng

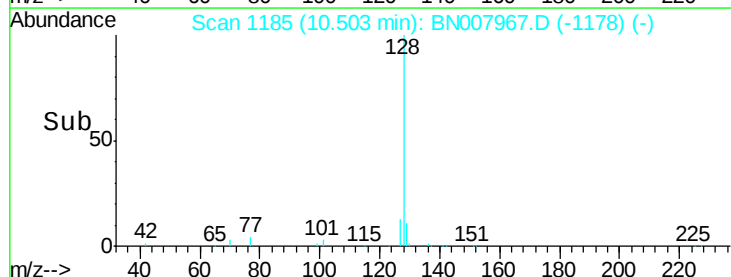
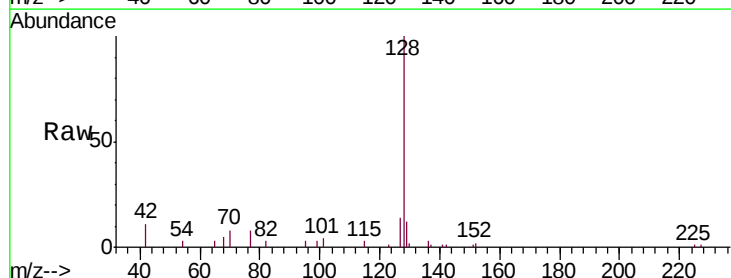
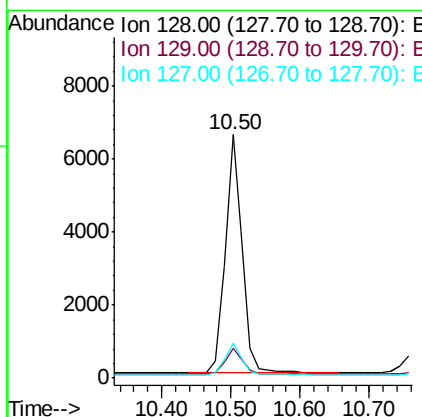
RT: 10.50 min Scan# 1185

Delta R.T. -0.02 min

Lab File: BN007967.D

Acq: 02 Oct 2019 16:06

Tgt Ion:	128	Resp:	11113
Ion Ratio	Lower	Upper	
128	100		
129	12.4	9.1	13.7
127	14.5	10.6	15.8





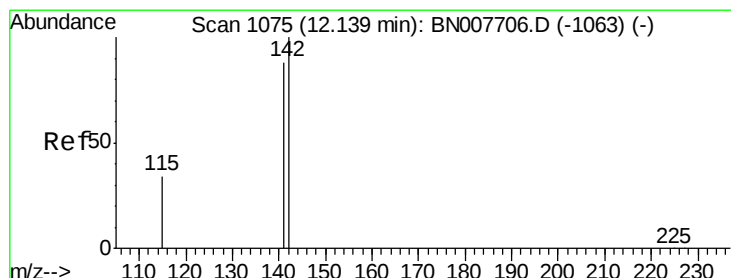
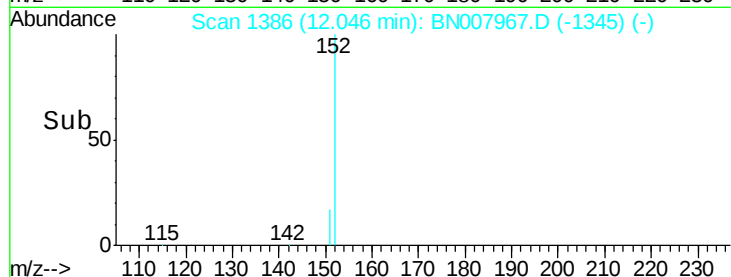
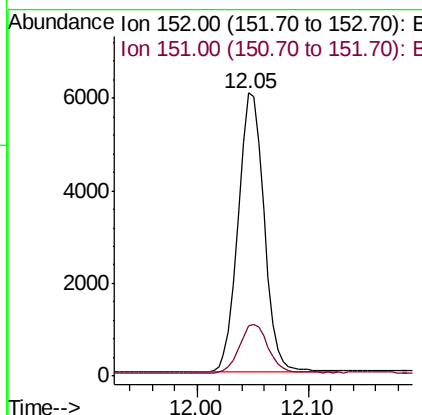
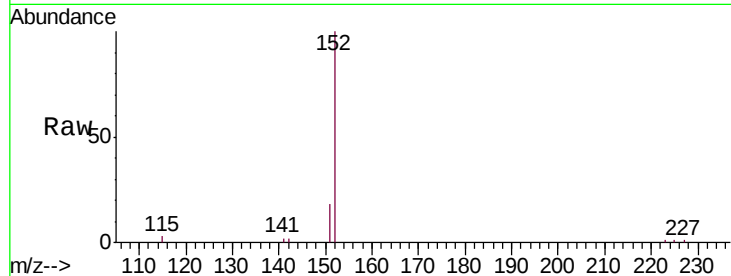
#11
2-Methylnaphthalene-d10
Concen: 0.267 ng
RT: 12.05 min Scan# 1386
Delta R.T. -0.02 min
Lab File: BN007967.D
Acq: 02 Oct 2019 16:06

Instrument :
BNA_N
ClientSampleId :
PST-024-SW135-092519

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.4	23.2

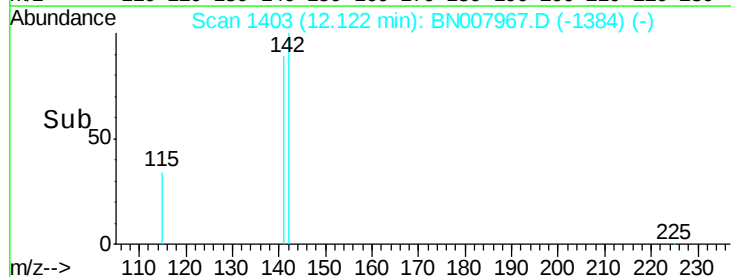
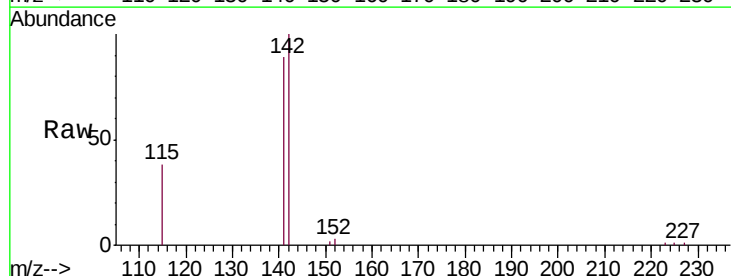
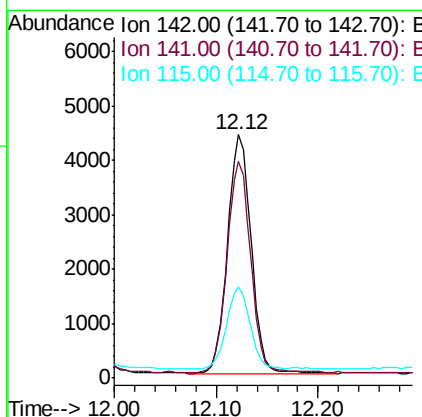
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#12
2-Methylnaphthalene
Concen: 0.173 ng
RT: 12.12 min Scan# 1403
Delta R.T. -0.02 min
Lab File: BN007967.D
Acq: 02 Oct 2019 16:06

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.2	70.6	106.0
115	37.6	28.3	42.5





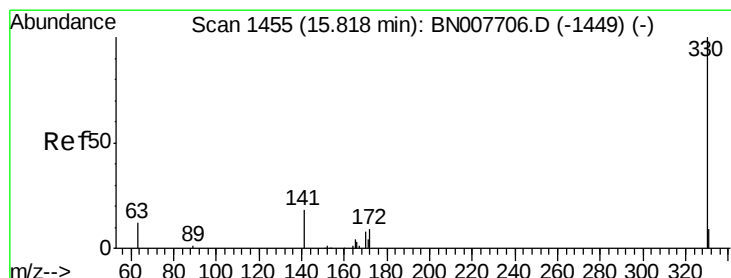
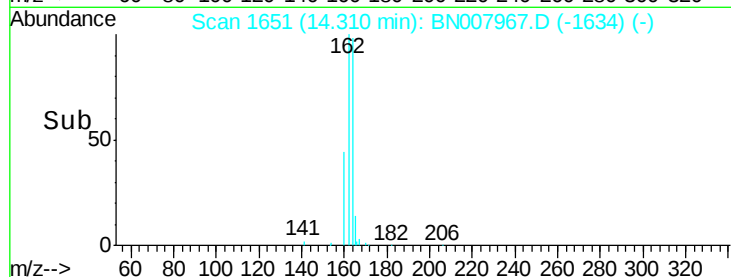
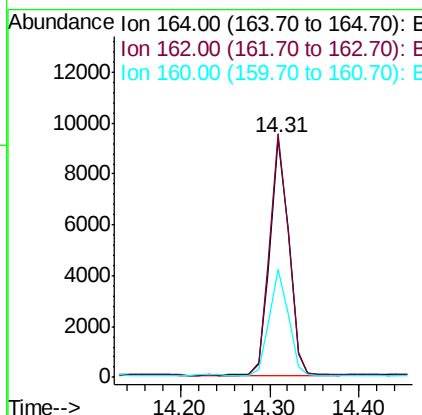
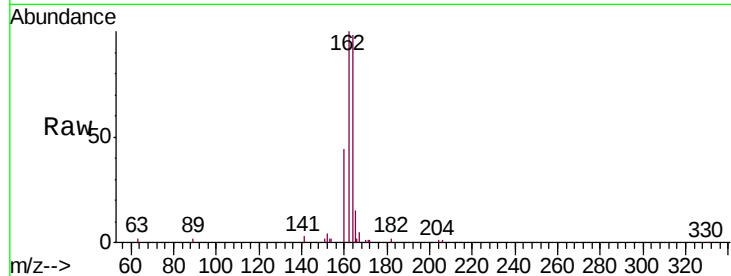
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 1651
Delta R.T. -0.02 min
Lab File: BN007967.D
Acq: 02 Oct 2019 16:06

Instrument :
BNA_N
ClientSampleId :
PST-024-SW135-092519

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	81.7	122.5
160	45.4	37.0	55.4

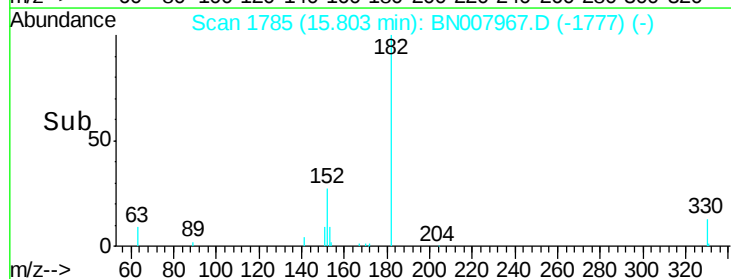
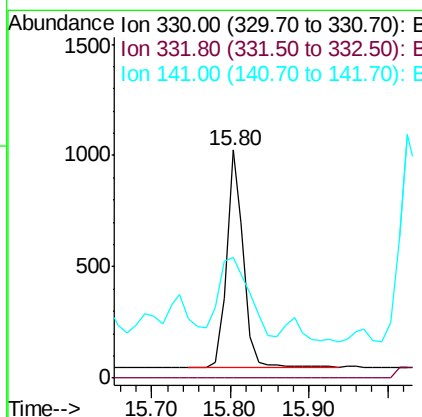
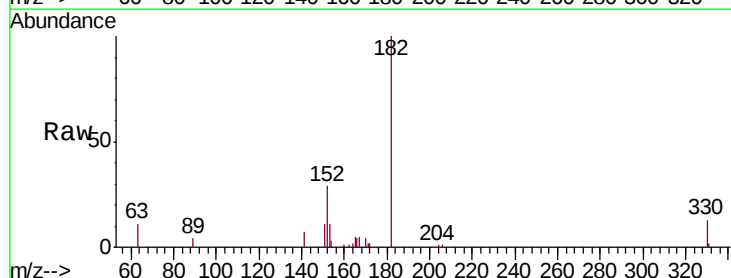
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#14
2,4,6-Tribromophenol
Concen: 0.196 ng
RT: 15.80 min Scan# 1785
Delta R.T. -0.02 min
Lab File: BN007967.D
Acq: 02 Oct 2019 16:06

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	63.7	28.7	43.1#





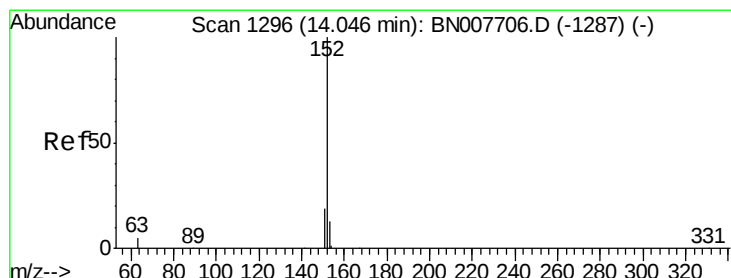
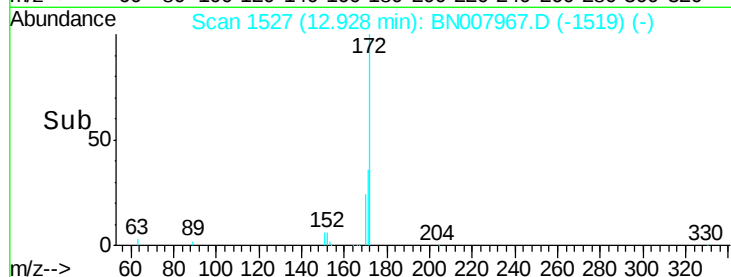
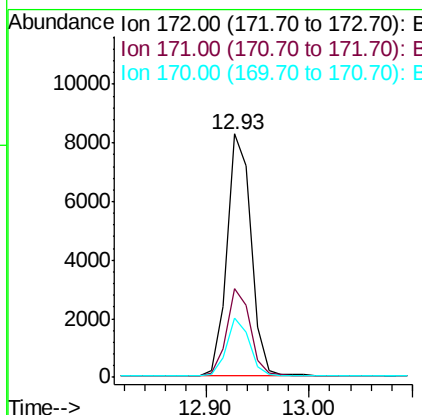
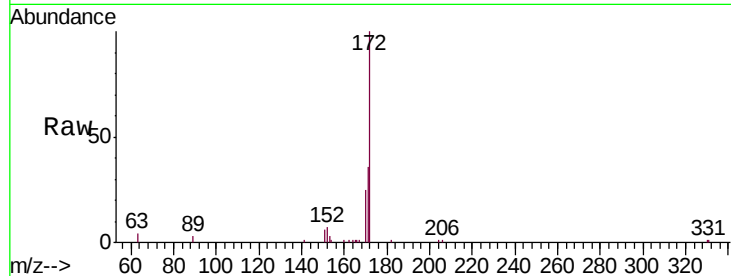
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2-Fluorobiphenyl
Concen: 0.236 ng
RT: 12.93 min Scan# 1527
Delta R.T. -0.02 min
Lab File: BN007967.D
Acq: 02 Oct 2019 16:06

Instrument :
BNA_N
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.8	43.2
170	24.5	19.5	29.3

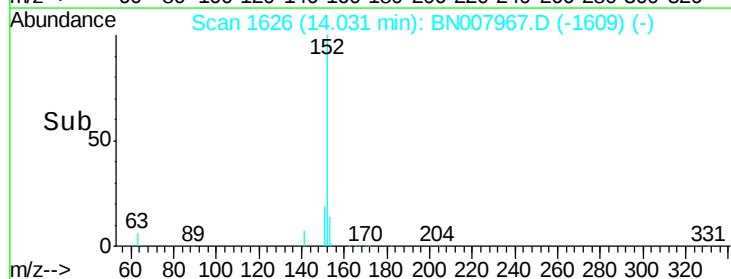
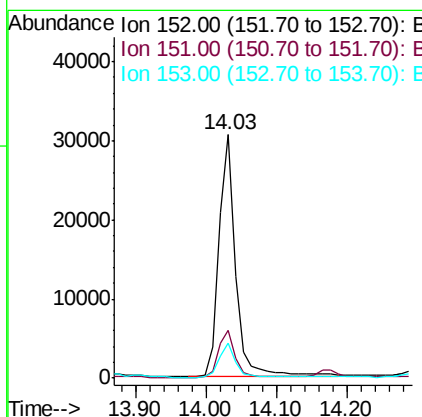
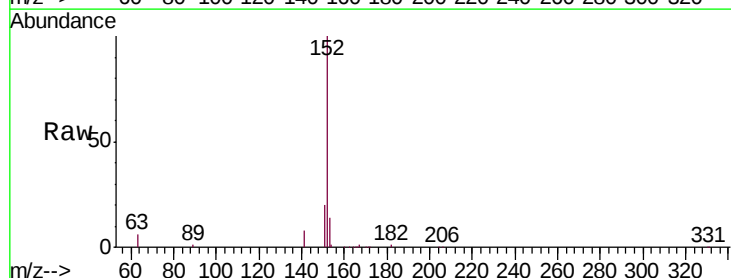
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#16
Acenaphthylene
Concen: 0.710 ng
RT: 14.03 min Scan# 1626
Delta R.T. -0.02 min
Lab File: BN007967.D
Acq: 02 Oct 2019 16:06

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.5	23.3
153	13.6	10.4	15.6





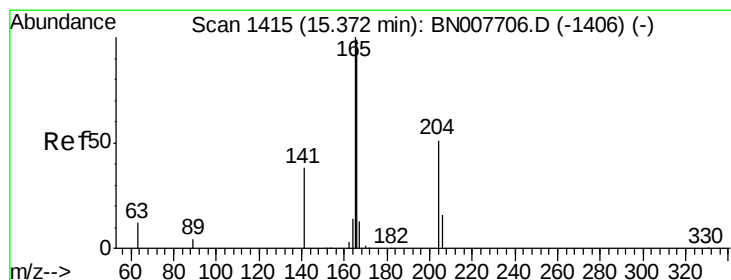
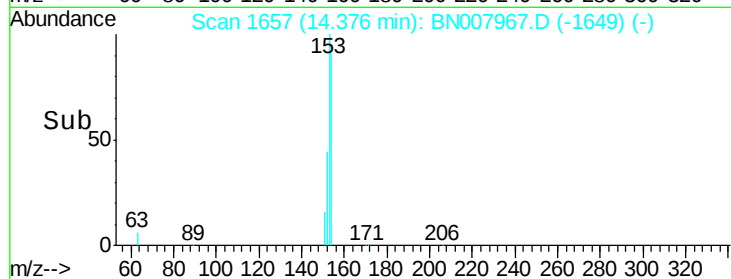
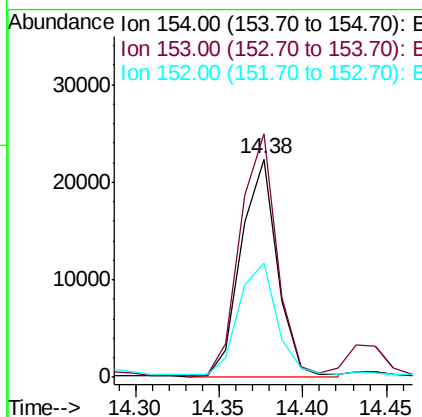
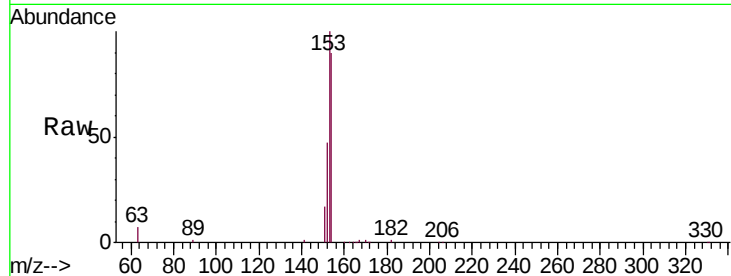
#17
Acenaphthene
Concen: 0.709 ng
RT: 14.38 min Scan# 1657
Delta R.T. -0.02 min
Lab File: BN007967.D
Acq: 02 Oct 2019 16:06

Instrument :
BNA_N
ClientSampleId :
PST-024-SW135-092519

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.3	87.0	130.4
152	54.7	42.7	64.1

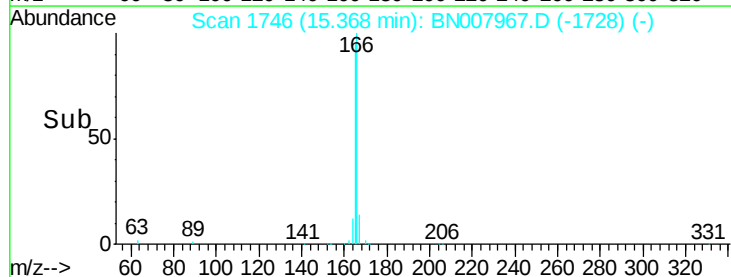
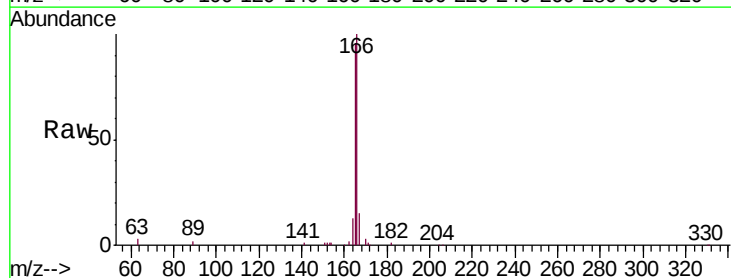
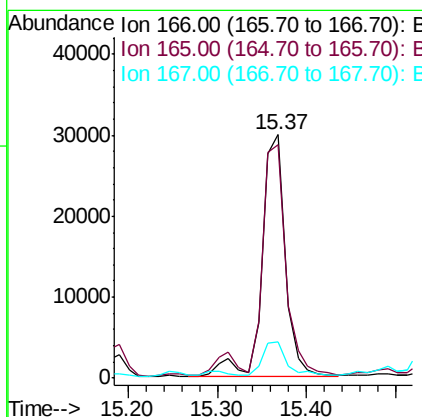
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#18
Fluorene
Concen: 0.915 ng
RT: 15.37 min Scan# 1746
Delta R.T. -0.00 min
Lab File: BN007967.D
Acq: 02 Oct 2019 16:06

Tgt Ion	Ratio	Lower	Upper
166	100		
165	92.3	78.0	117.0
167	14.5	10.9	16.3





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.06 min Scan# 1902

Delta R.T. -0.01 min

Lab File: BN007967.D

Acq: 02 Oct 2019 16:06

Instrument :

BNA_N

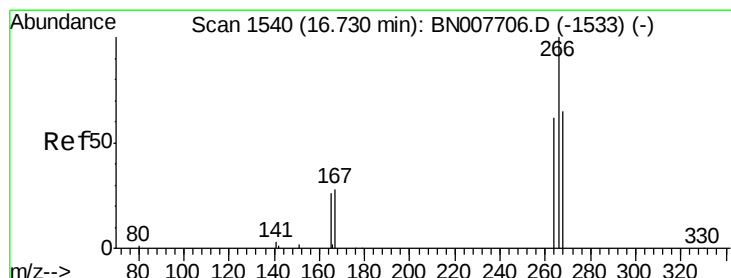
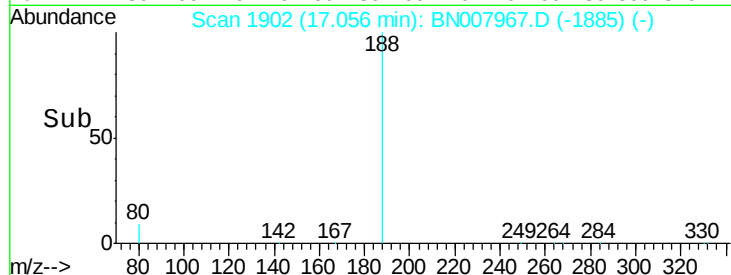
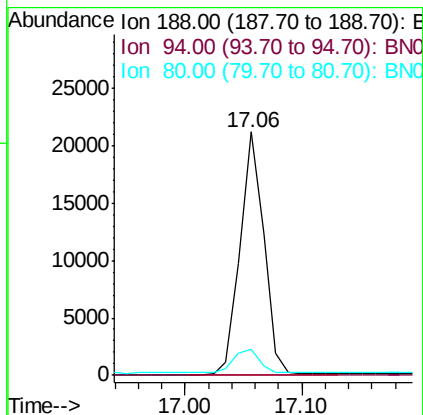
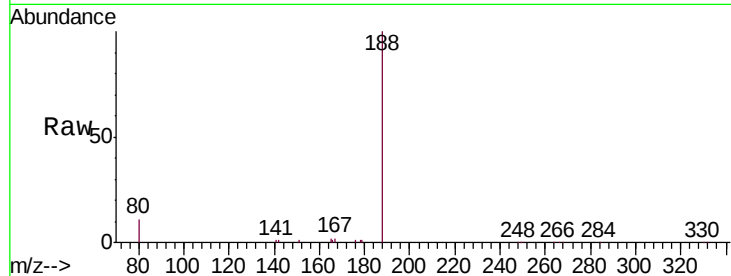
ClientSampleId :

PST-024-SW135-092519

Tgt Ion:	188	Resp:	29565
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	10.8	7.4	11.2

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#22

Pentachlorophenol

Concen: 0.038 ng

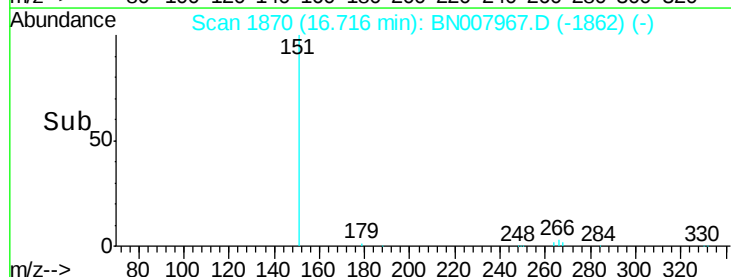
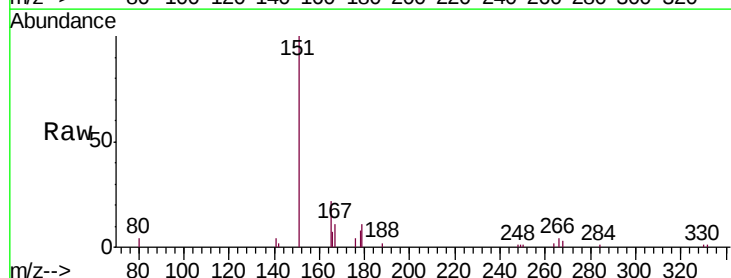
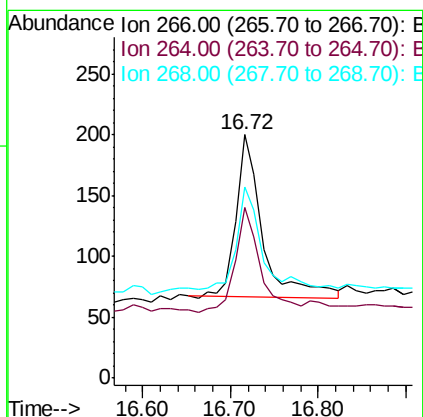
RT: 16.72 min Scan# 1870

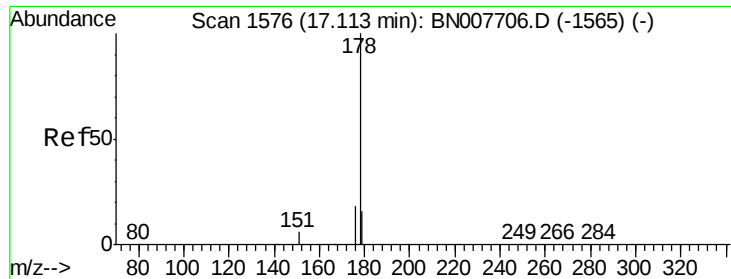
Delta R.T. -0.01 min

Lab File: BN007967.D

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Tgt Ion:	266	Resp:	272
Ion Ratio	Lower	Upper	
266	100		
264	70.0	50.0	75.0
268	78.5	54.2	81.4





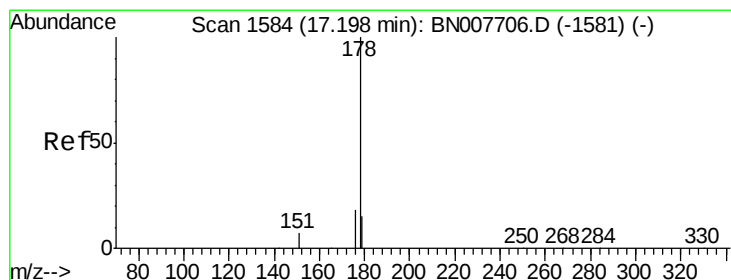
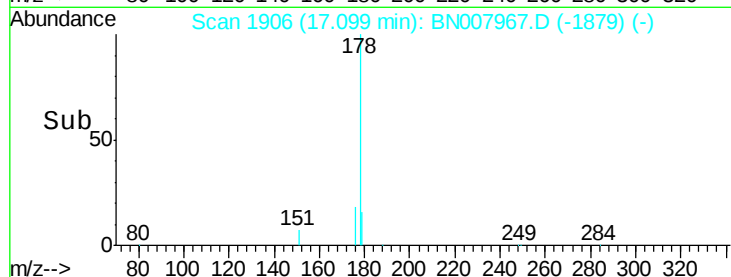
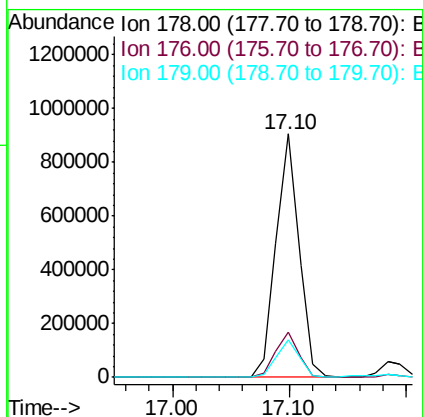
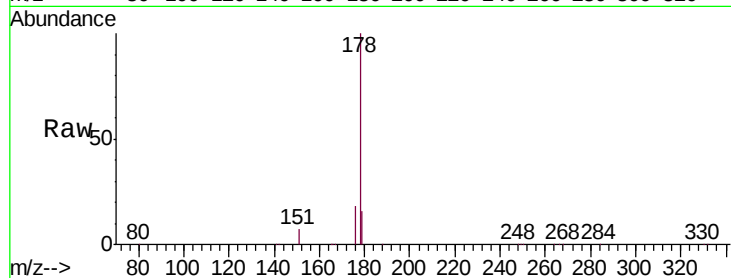
#23
Phenanthrene
Concen: 13.443 ng
RT: 17.10 min Scan# 1906
Delta R.T. -0.01 min
Lab File: BN007967.D
Acq: 02 Oct 2019 16:06

Instrument :
BNA_N
ClientSampleId :
PST-024-SW135-092519

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	15.5	12.5	18.7

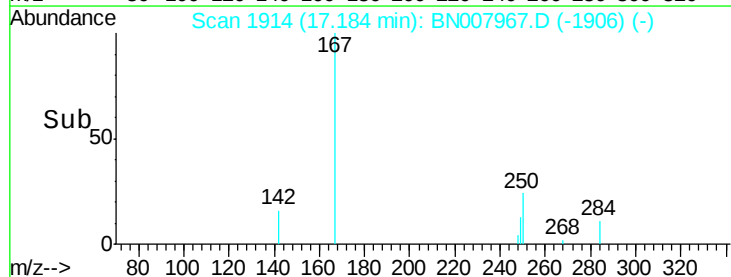
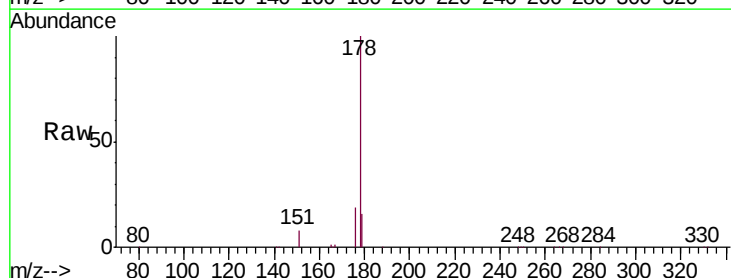
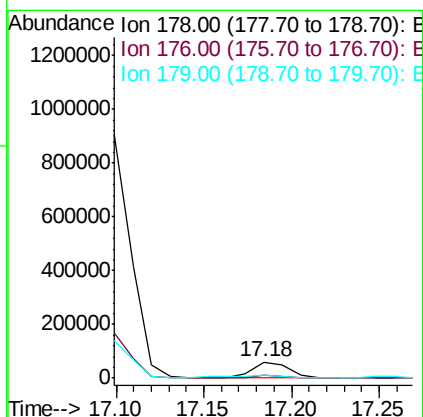
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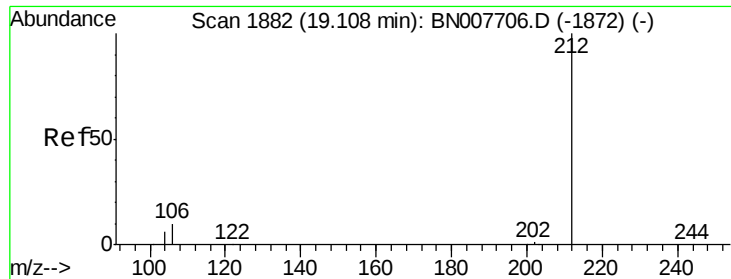
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#24
Anthracene
Concen: 1.062 ng
RT: 17.18 min Scan# 1914
Delta R.T. -0.01 min
Lab File: BN007967.D
Acq: 02 Oct 2019 16:06

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.6	14.6	21.8
179	23.3	12.2	18.4#





#25

Fluoranthene-d10

Concen: 0.264 ng

RT: 19.10 min Scan# 2210

Delta R.T. -0.01 min

Lab File: BN007967.D

Acq: 02 Oct 2019 16:06

Instrument :

BNA_N

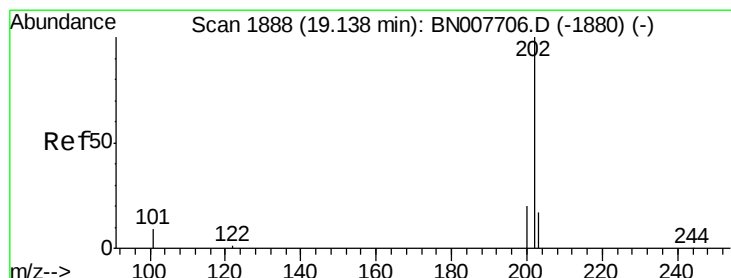
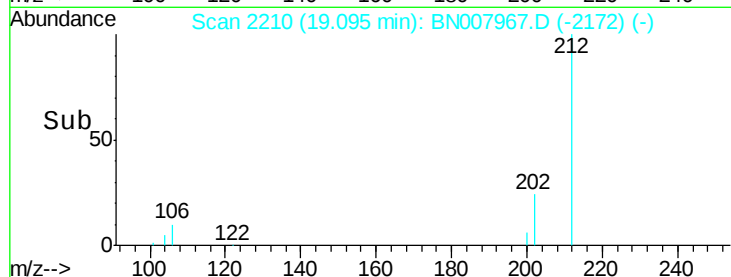
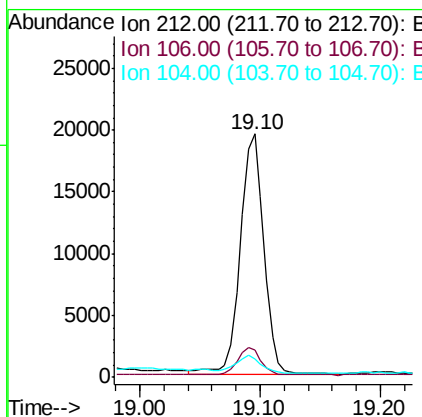
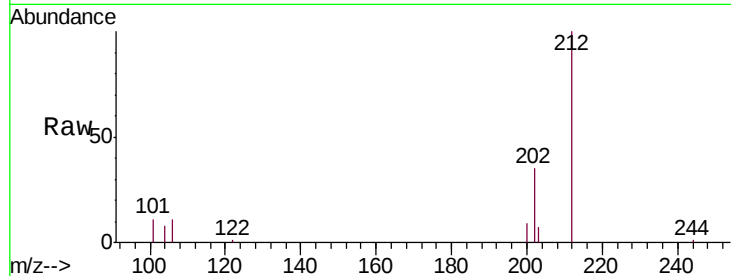
ClientSampleId :

PST-024-SW135-092519

Tgt Ion	Ratio	Resp	Lower	Upper
212	100	26270		
106	11.8	9.4	14.0	
104	8.2	5.3	7.9	

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#26

Fluoranthene

Concen: 16.782 ng

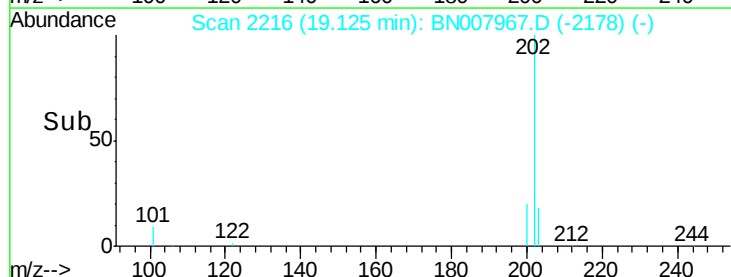
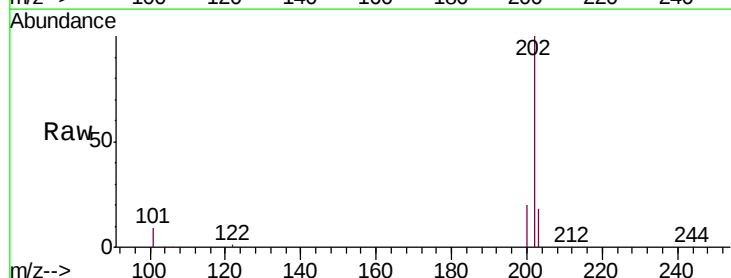
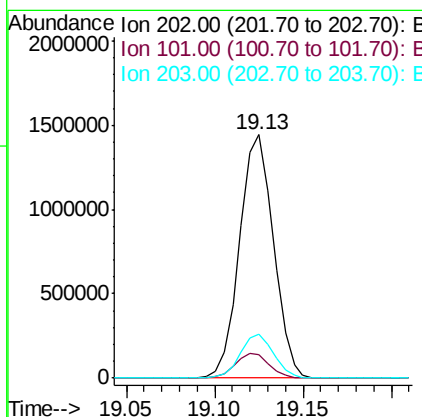
RT: 19.13 min Scan# 2216

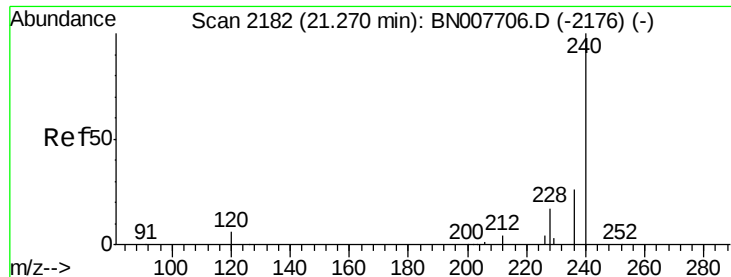
Delta R.T. -0.01 min

Lab File: BN007967.D

Acq: 02 Oct 2019 16:06

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1921936		
101	10.3	8.4	12.6	
203	17.7	13.8	20.8	





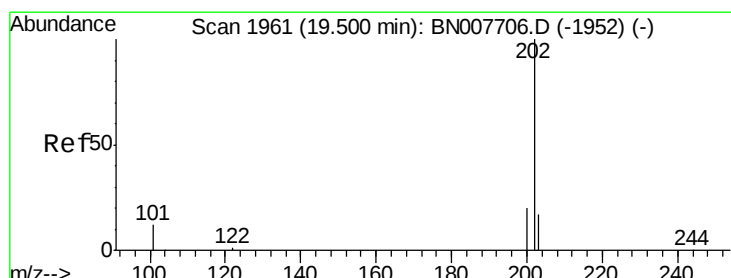
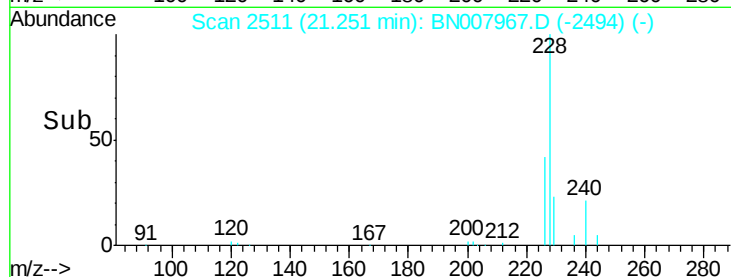
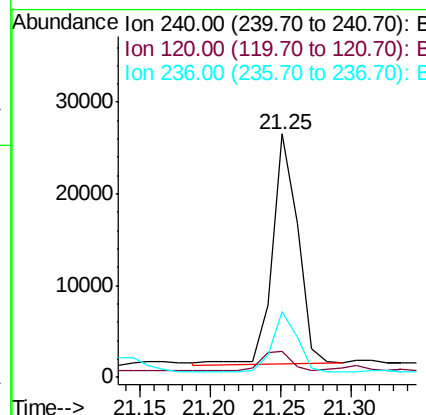
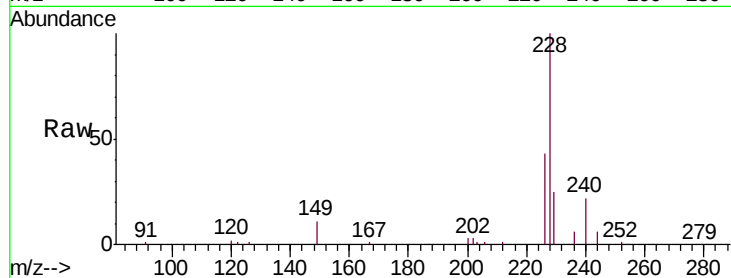
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 2511
Delta R.T. -0.02 min
Lab File: BN007967.D
Acq: 02 Oct 2019 16:06

Instrument :
BNA_N
ClientSampleId :
PST-024-SW135-092519

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.4	5.4	8.2#
236	27.0	21.0	31.4

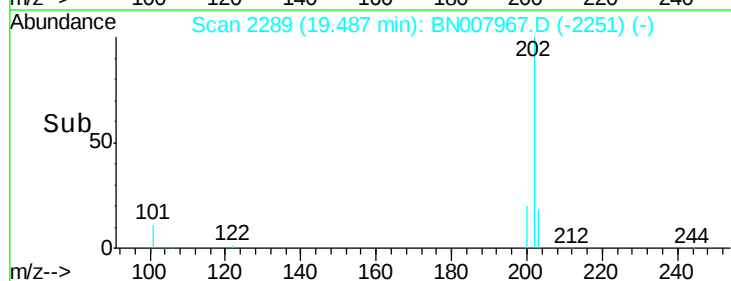
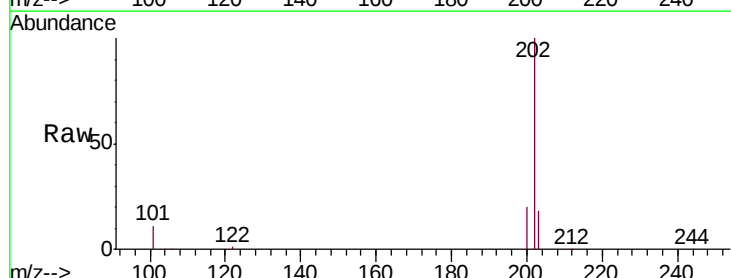
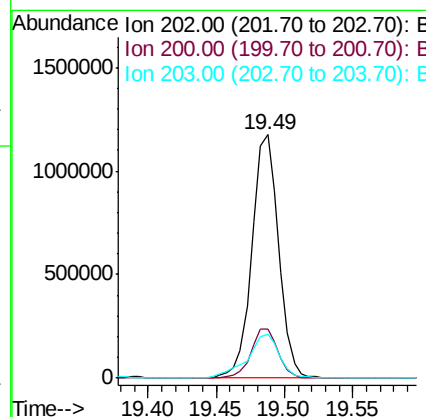
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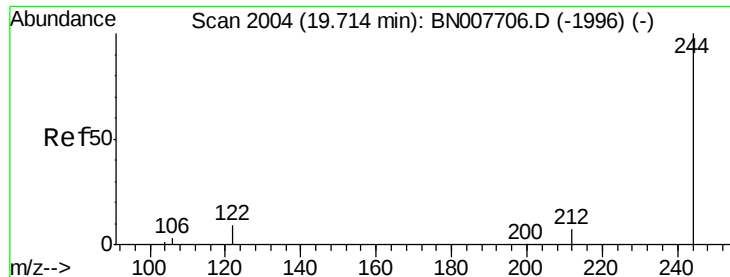
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#28
Pyrene
Concen: 14.772 ng
RT: 19.49 min Scan# 2289
Delta R.T. -0.01 min
Lab File: BN007967.D
Acq: 02 Oct 2019 16:06

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.4	24.6
203	21.4	14.1	21.1#





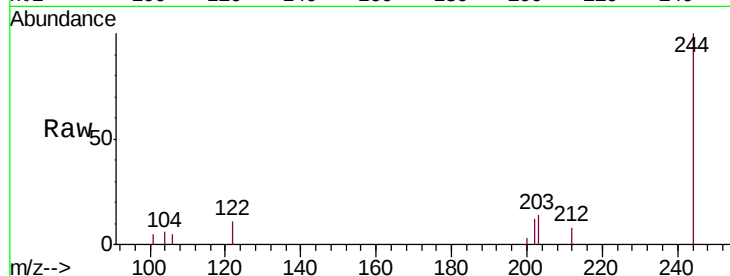
#29
 Terphenyl-d14
 Concen: 0.277 ng
 RT: 19.70 min Scan# 2331
 Delta R.T. -0.02 min
 Lab File: BN007967.D
 Acq: 02 Oct 2019 16:06

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW135-092519

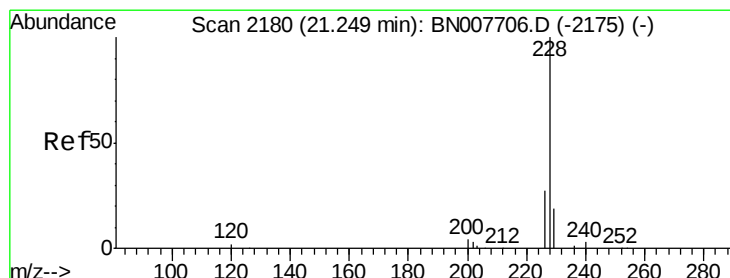
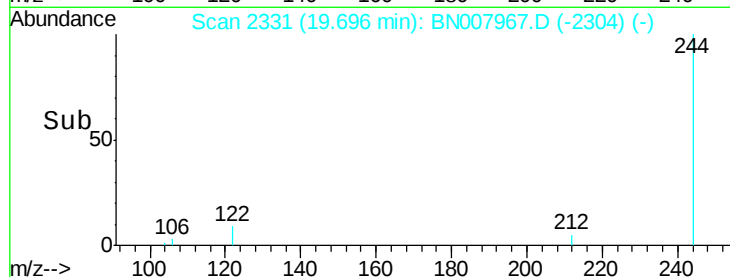
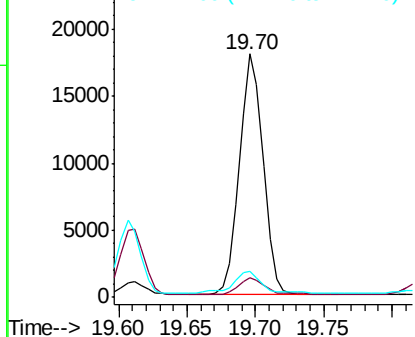
Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.0	5.9	8.9
122	10.9	7.4	11.2

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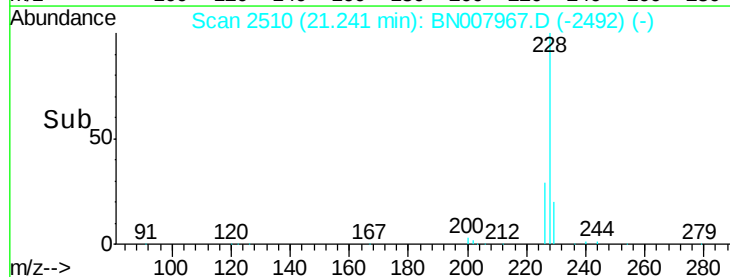
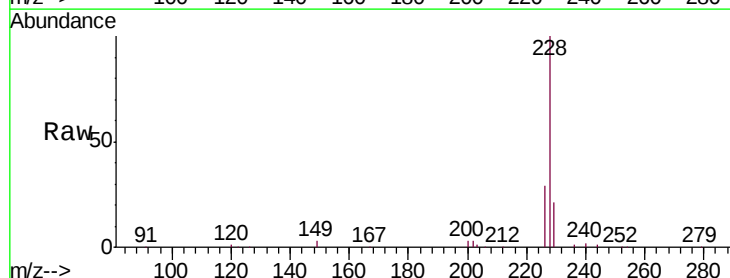
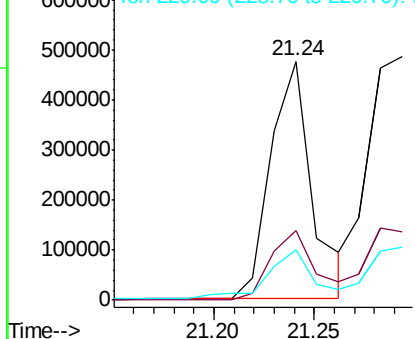
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

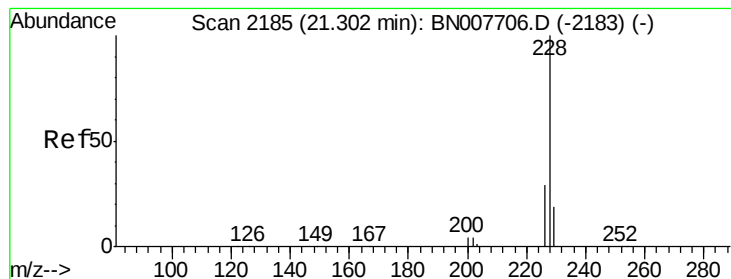


#30
 Benzo(a)anthracene
 Concen: 5.832 ng
 RT: 21.24 min Scan# 2510
 Delta R.T. -0.01 min
 Lab File: BN007967.D
 Acq: 02 Oct 2019 16:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.1	33.1
229	21.1	15.8	23.6

Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 6.710 ng

RT: 21.29 min Scan# 2515

Delta R.T. -0.01 min

Lab File: BN007967.D

Acq: 02 Oct 2019 16:06

Instrument :

BNA_N

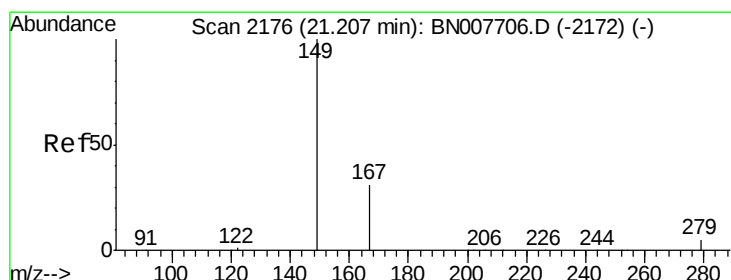
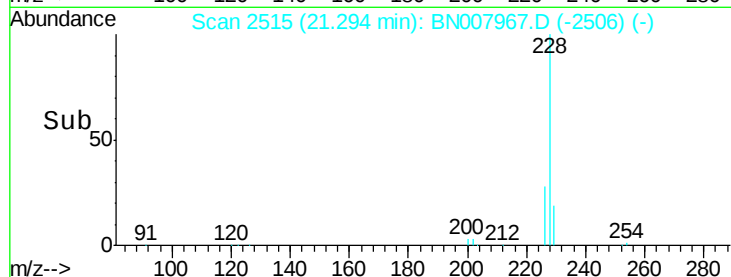
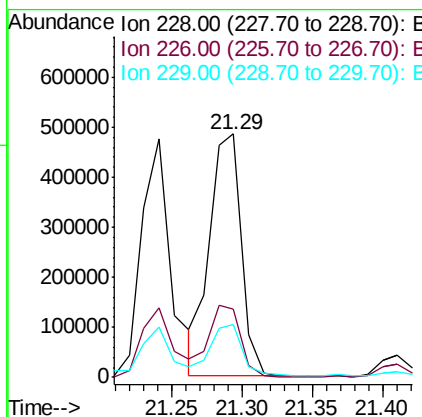
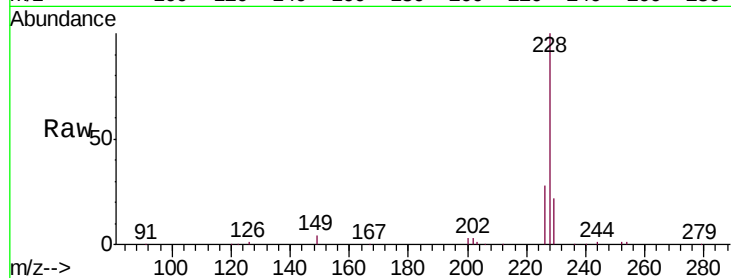
ClientSampleId :

PST-024-SW135-092519

Tgt Ion:	228	Resp:	764224
Ion Ratio	Lower	Upper	
228	100		
226	28.2	23.9	35.9
229	21.7	15.8	23.6

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#32

Bis(2-ethylhexyl)phthalate

Concen: 1.300 ng

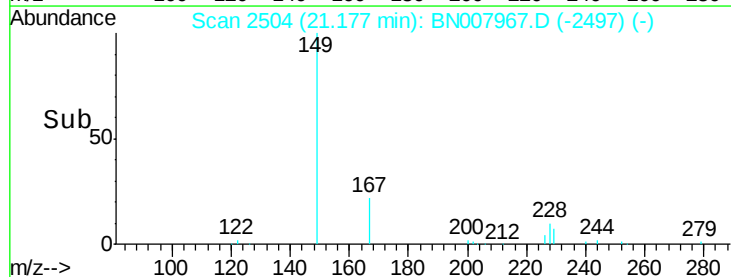
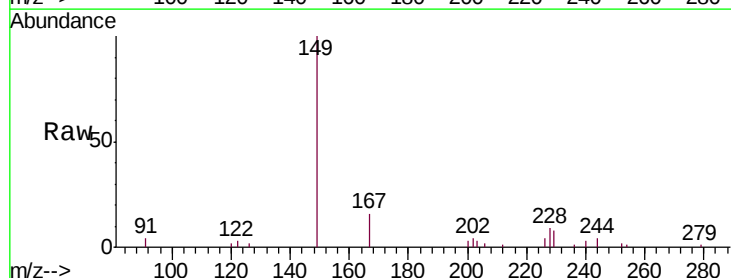
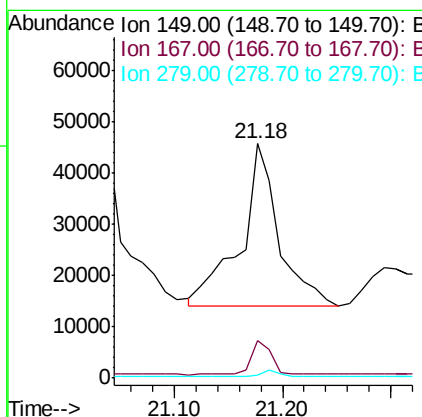
RT: 21.18 min Scan# 2504

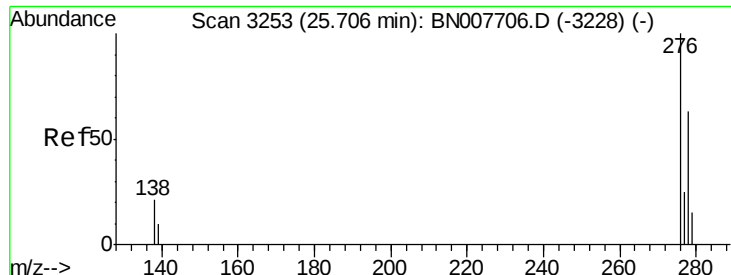
Delta R.T. -0.03 min

Lab File: BN007967.D

Acq: 02 Oct 2019 16:06

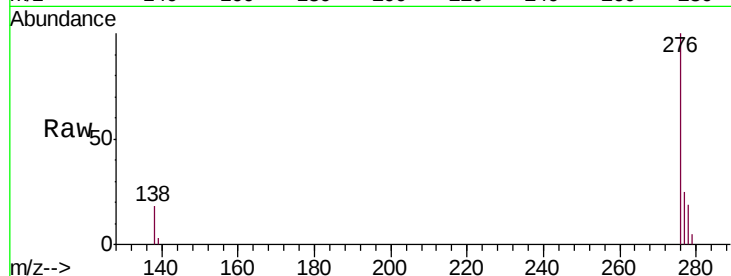
Tgt Ion:	149	Resp:	78141
Ion Ratio	Lower	Upper	
149	100		
167	10.6	23.7	35.5#
279	2.1	4.2	6.2#





#33
 Indeno(1,2,3-cd)pyrene
 Concen: 3.583 ng
 RT: 25.67 min Scan# 3574
 Delta R.T. -0.03 min
 Lab File: BN007967.D
 Acq: 02 Oct 2019 16:06

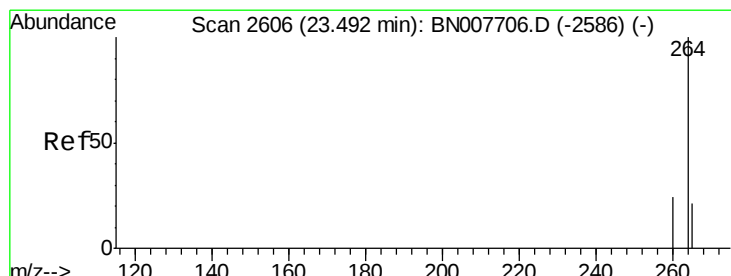
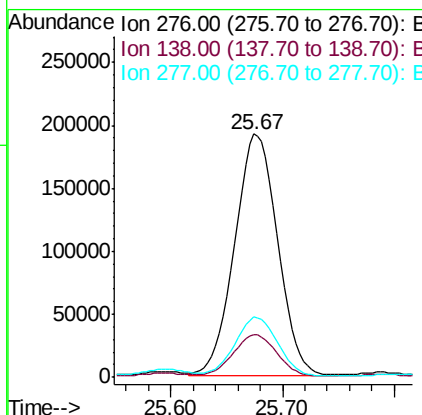
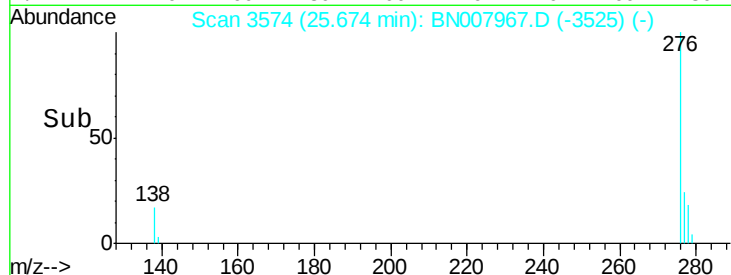
Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW135-092519



Tgt Ion: 276 Resp: 510947
 Ion Ratio Lower Upper
 276 100
 138 17.3 17.1 25.7
 277 24.4 20.0 30.0

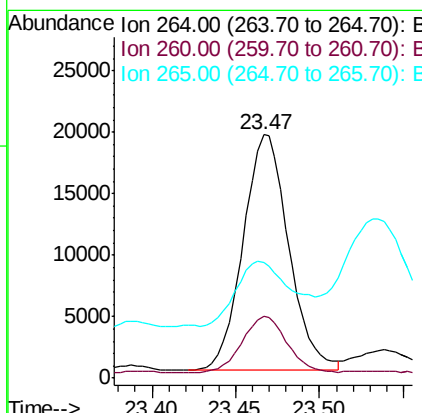
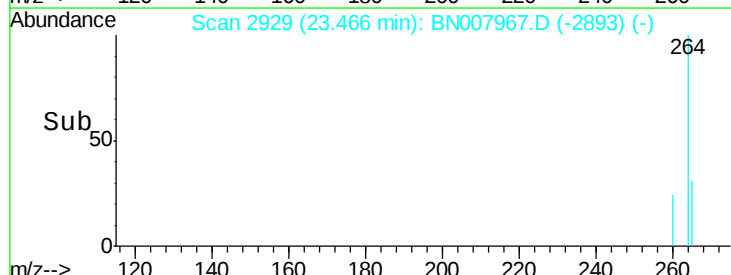
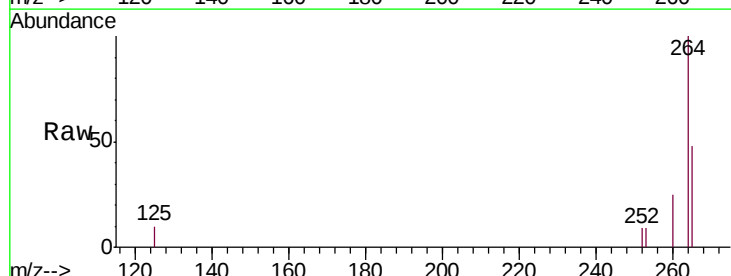
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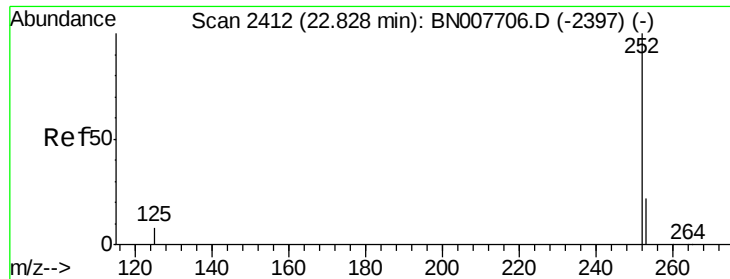
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#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.47 min Scan# 2929
 Delta R.T. -0.03 min
 Lab File: BN007967.D
 Acq: 02 Oct 2019 16:06

Tgt Ion: 264 Resp: 36506
 Ion Ratio Lower Upper
 264 100
 260 25.4 19.3 28.9
 265 47.5 26.9 40.3#





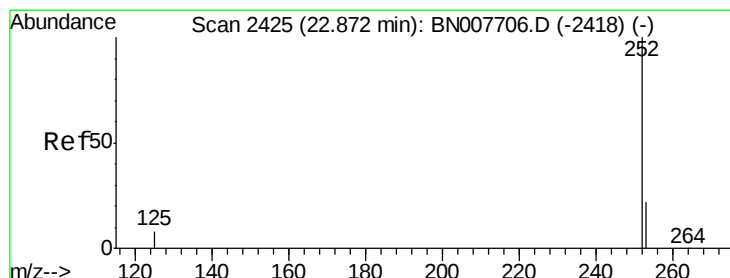
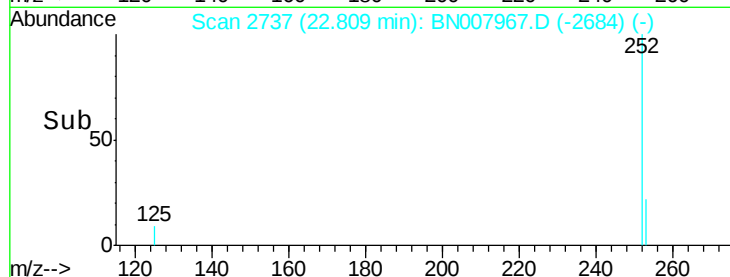
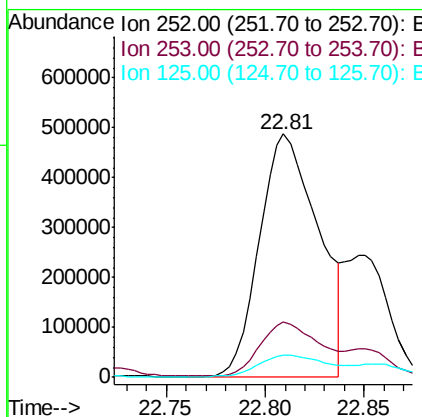
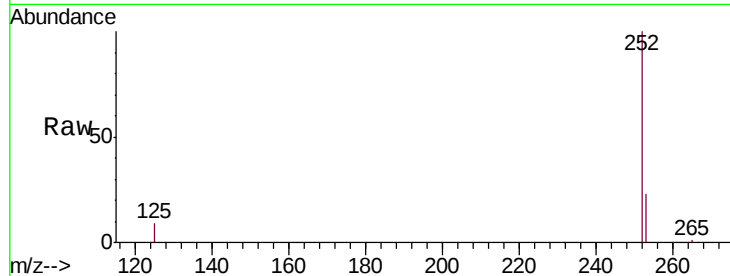
#35
Benzo(b)fluoranthene
Concen: 7.931 ng
RT: 22.81 min Scan# 2737
Delta R.T. -0.02 min
Lab File: BN007967.D
Acq: 02 Oct 2019 16:06

Instrument :
BNA_N
ClientSampleId :
PST-024-SW135-092519

Tgt Ion: 252 Resp: 1005167
Ion Ratio Lower Upper
252 100
253 22.5 18.3 27.5
125 9.0 8.2 12.4

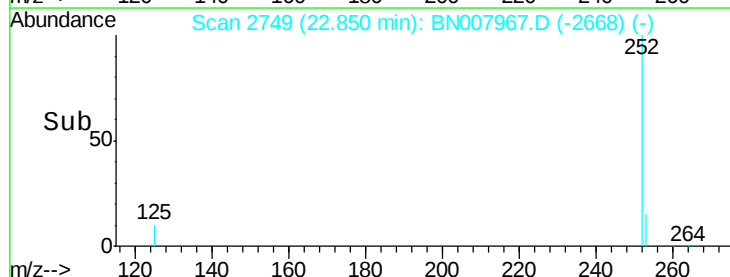
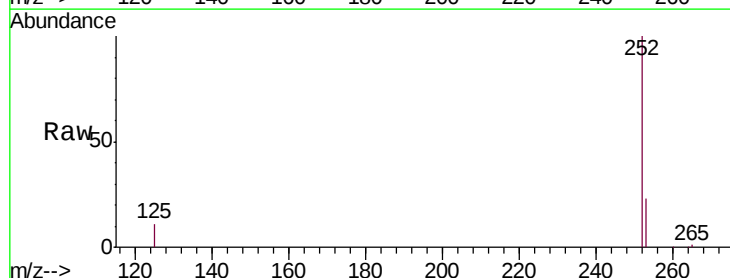
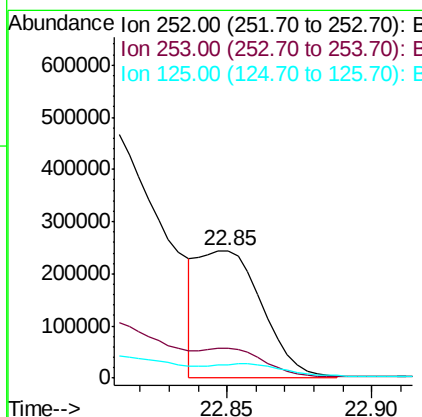
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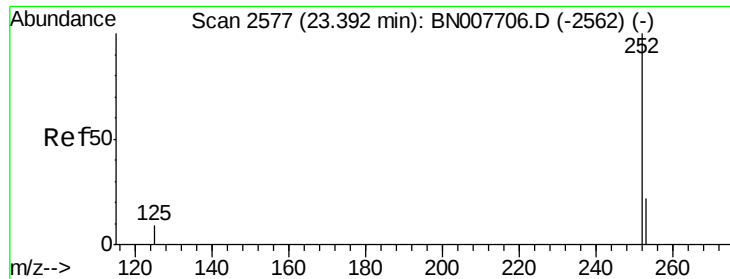
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#36
Benzo(k)fluoranthene
Concen: 3.017 ng m
RT: 22.85 min Scan# 2749
Delta R.T. -0.02 min
Lab File: BN007967.D
Acq: 02 Oct 2019 16:06

Tgt Ion: 252 Resp: 378138
Ion Ratio Lower Upper
252 100
253 23.1 18.5 27.7
125 10.7 8.4 12.6





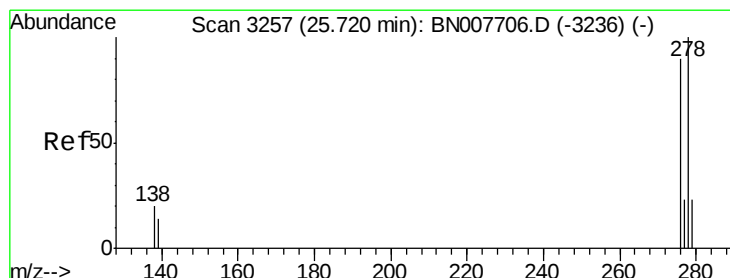
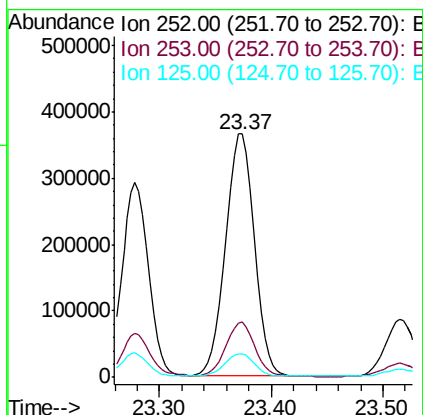
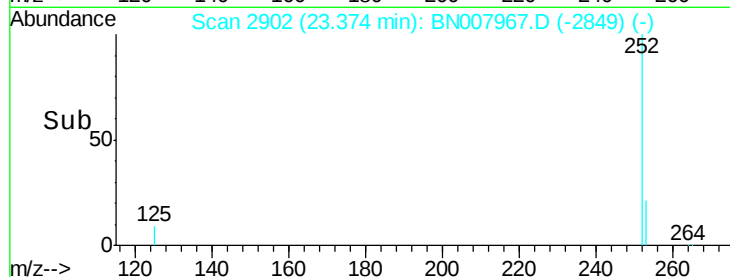
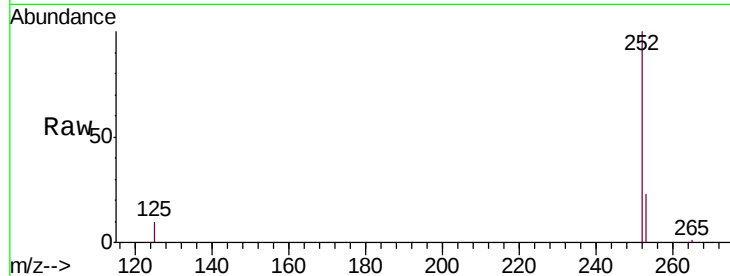
#37
Benzo(a)pyrene
Concen: 5.494 ng
RT: 23.37 min Scan# 2902
Delta R.T. -0.02 min
Lab File: BN007967.D
Acq: 02 Oct 2019 16:06

Instrument :
BNA_N
ClientSampleId :
PST-024-SW135-092519

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.6	27.8
125	9.6	9.4	14.0

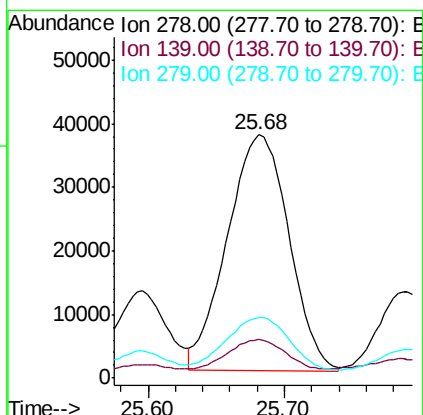
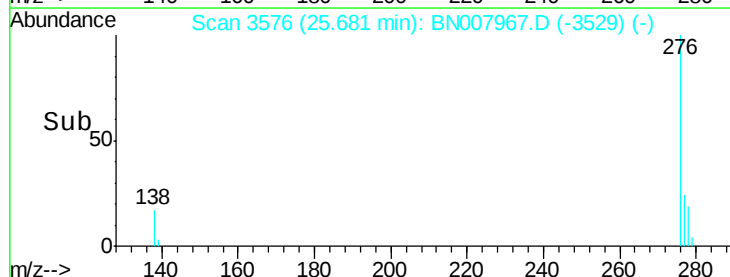
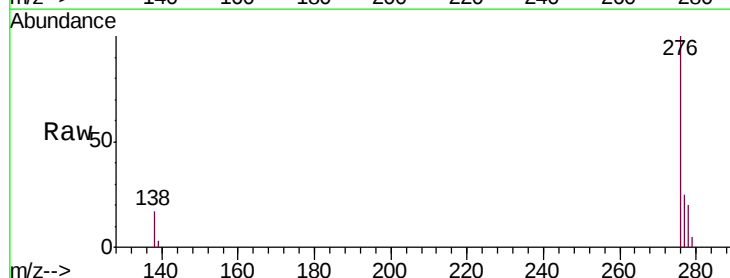
Manual Integrations
APPROVED

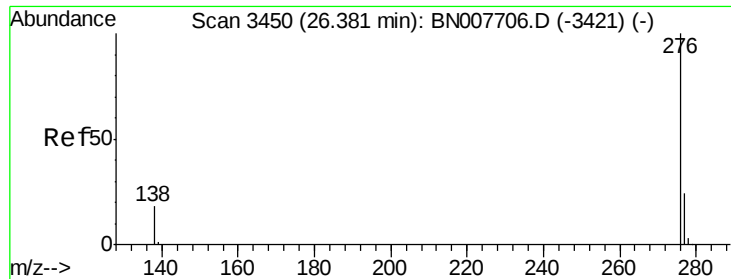
mohammad
10/4/2019 8:16:19 AM



#38
Dibenzo(a,h)anthracene
Concen: 0.954 ng
RT: 25.68 min Scan# 3576
Delta R.T. -0.04 min
Lab File: BN007967.D
Acq: 02 Oct 2019 16:06

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.8	11.8	17.6
279	25.1	19.4	29.2





#39

Benzo(g,h,i)perylene

Concen: 4.170 ng

RT: 26.35 min Scan# 3771

Delta R.T. -0.03 min

Lab File: BN007967.D

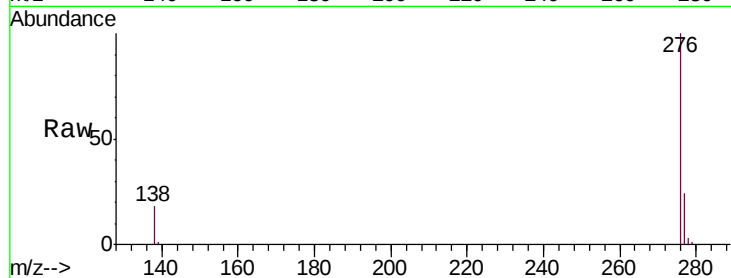
Acq: 02 Oct 2019 16:06

Instrument :

BNA_N

ClientSampleId :

PST-024-SW135-092519



Tgt	Ion:276	Resp:	502827
Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.8	29.8
138	18.2	15.1	22.7

Manual Integrations
APPROVED

mohammad
10/4/2019 8:16:19 AM

