

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN093019\
 Data File : BN007906.D
 Acq On : 30 Sep 2019 20:49
 Operator : JU
 Sample : K5078-14
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW129-092519

Manual Integrations
 APPROVED

mohammad
 10/2/2019 8:21:42 AM

Quant Time: Oct 01 07:59:30 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	8570	0.40	ng	0.00
7) Naphthalene-d8	10.46	136	32346	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	17471	0.40	ng	-0.01
19) Phenanthrene-d10	17.06	188	31008	0.40	ng	-0.01
27) Chrysene-d12	21.26	240	34850	0.40	ng	-0.01
34) Perylene-d12	23.47	264	41302	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.31	112	5665	0.19	ng	0.00
5) Phenol-d6	6.86	99	7474	0.20	ng	0.00
8) Nitrobenzene-d5	8.83	82	6425	0.23	ng	0.00
11) 2-Methylnaphthalene-d10	12.05	152	11616	0.21	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	1513	0.16	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	15343	0.21	ng	-0.01
25) Fluoranthene-d10	19.09	212	20921	0.20	ng	-0.01
29) Terphenyl-d14	19.70	244	16794	0.20	ng	-0.01

Target Compounds

						Qvalue
9) Naphthalene	10.51	128	8486	0.093	ng	97
12) 2-Methylnaphthalene	12.13	142	4923	0.080	ng	98
16) Acenaphthylene	14.04	152	49302	0.532	ng	99
17) Acenaphthene	14.38	154	29601	0.496	ng	96
18) Fluorene	15.36	166	37768	0.493	ng	97
23) Phenanthrene	17.10	178	1146706	11.871	ng	100
24) Anthracene	17.19	178	92559	1.061	ng	# 91
26) Fluoranthene	19.12	202	2170084	18.067	ng	99
28) Pyrene	19.49	202	1841965	15.497	ng	# 96
30) Benzo(a)anthracene	21.24	228	838591	6.534	ng	99
31) Chrysene	21.29	228	1063068	8.499	ng	98
32) Bis(2-ethylhexyl)phthalate	21.19	149	24527	0.372	ng	99
33) Indeno(1,2,3-cd)pyrene	25.68	276	855096	5.461	ng	96
35) Benzo(b)fluoranthene	22.81	252	1534676	10.703	ng	99
36) Benzo(k)fluoranthene	22.86	252	537953m	3.794	ng	
37) Benzo(a)pyrene	23.38	252	1020962	7.577	ng	97
38) Dibenzo(a,h)anthracene	25.69	278	187989	1.363	ng	98
39) Benzo(a,h,i)perylene	26.36	276	863883	6.332	ng	99

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



#1

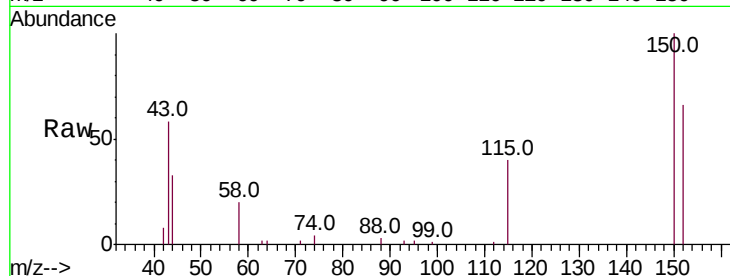
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 604
Delta R.T. -0.01 min
Lab File: BN007906.D
Acq: 30 Sep 2019 20:49

Instrument :
BNA_N
ClientSampleId :
PST-024-SW129-092519

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.3	125.6	188.4
115	61.2	53.3	79.9

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Abundance

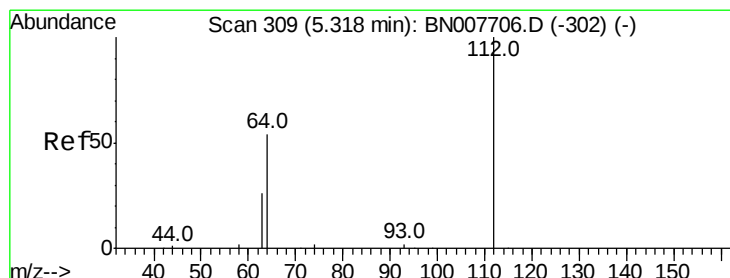
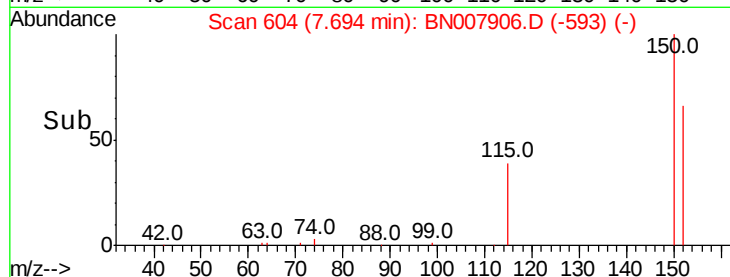
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

7.69

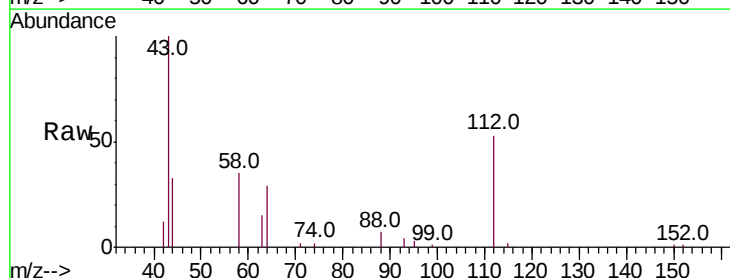
Time-->



#4

2-Fluorophenol
Concen: 0.192 ng
RT: 5.31 min Scan# 308
Delta R.T. -0.01 min
Lab File: BN007906.D
Acq: 30 Sep 2019 20:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.5	46.6	70.0
63	29.0	23.1	34.7



Abundance

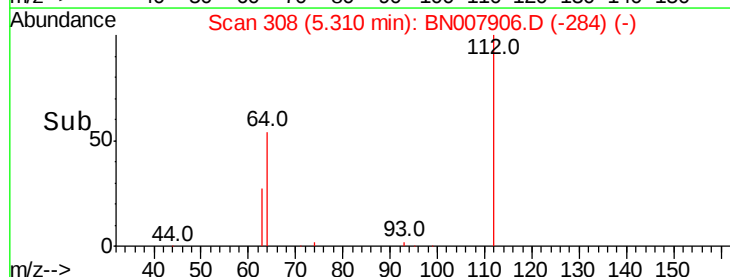
Ion 112.00 (111.70 to 112.70): E

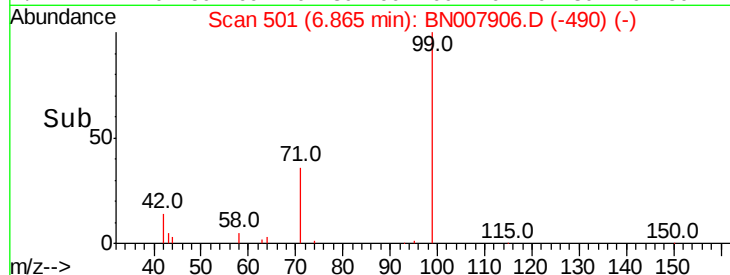
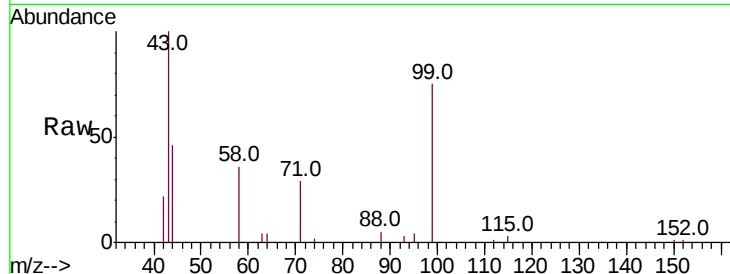
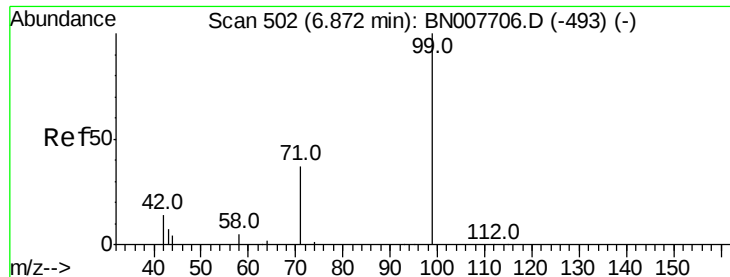
Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC

5.31

Time-->





#5

Phenol-d6

Concen: 0.200 ng

RT: 6.86 min Scan# 501

Delta R.T. -0.01 min

Lab File: BN007906.D

Acq: 30 Sep 2019 20:49

Tot Ion:	99	Resp:	7474
Ion	Ratio	Lower	Upper
99	100		
42	21.2	12.8	19.2#
71	35.2	27.6	41.4

Instrument :

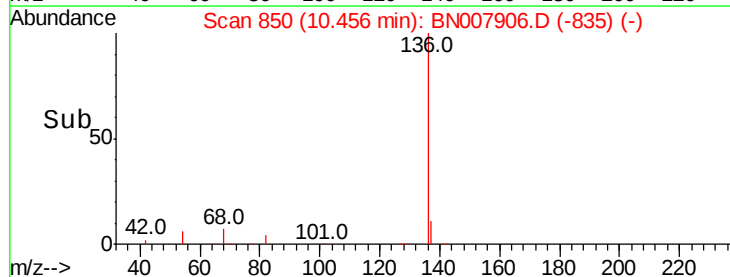
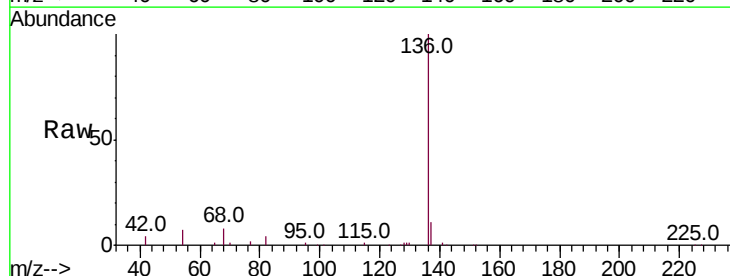
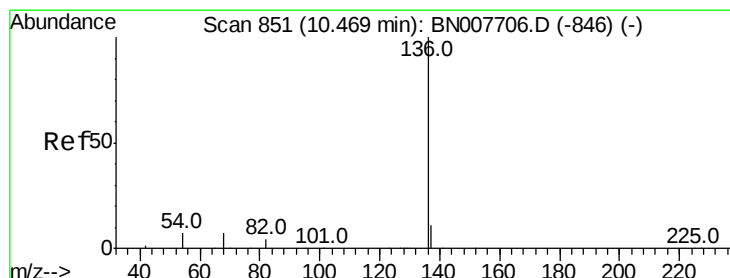
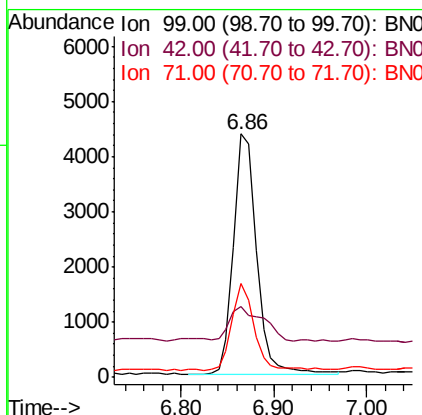
BNA_N

ClientSampleId :

PST-024-SW129-092519

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#7

Naphthalene-d8

Concen: 0.400 ng

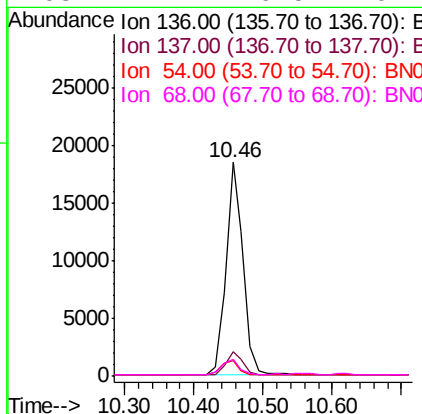
RT: 10.46 min Scan# 850

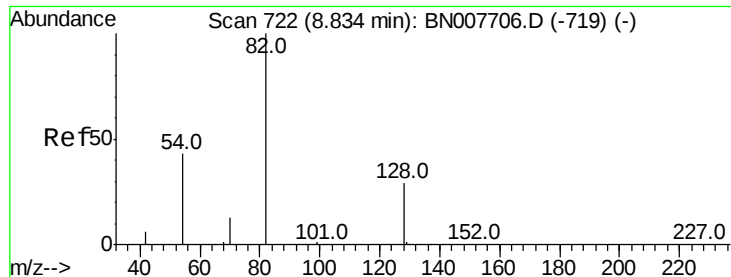
Delta R.T. -0.01 min

Lab File: BN007906.D

Acq: 30 Sep 2019 20:49

Tgt Ion:	136	Resp:	32346
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.2	13.8
54	7.0	5.8	8.8
68	7.7	6.5	9.7





#8

Nitrobenzene-d5

Concen: 0.227 ng

RT: 8.83 min Scan# 722

Delta R.T. 0.00 min

Lab File: BN007906.D

Acq: 30 Sep 2019 20:49

Instrument :

BNA_N

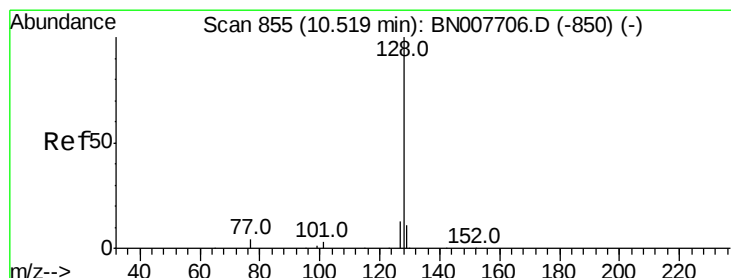
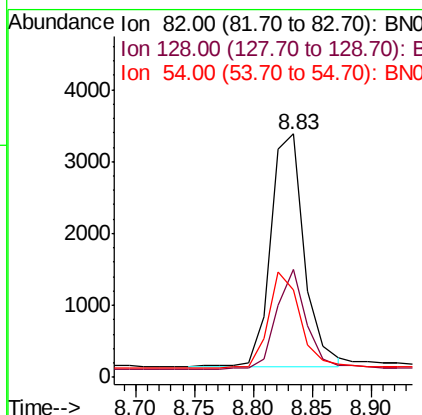
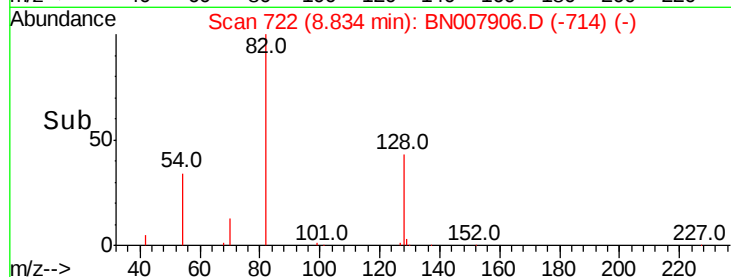
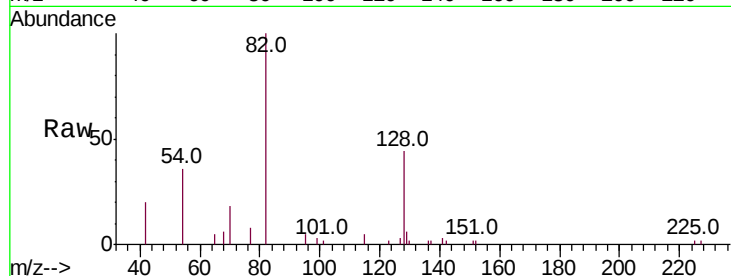
ClientSampleId :

PST-024-SW129-092519

Tot Ion:	82	Resp:	6425
Ion Ratio	Lower	Upper	
82	100		
128	44.2	24.5	36.7#
54	36.1	35.2	52.8

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#9

Naphthalene

Concen: 0.093 ng

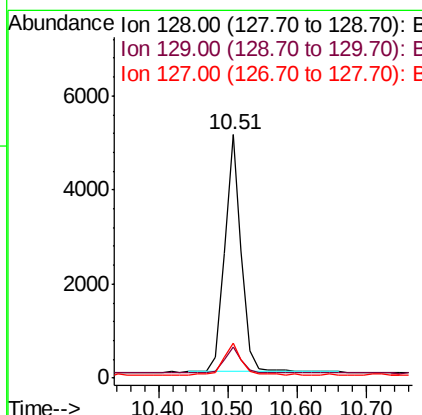
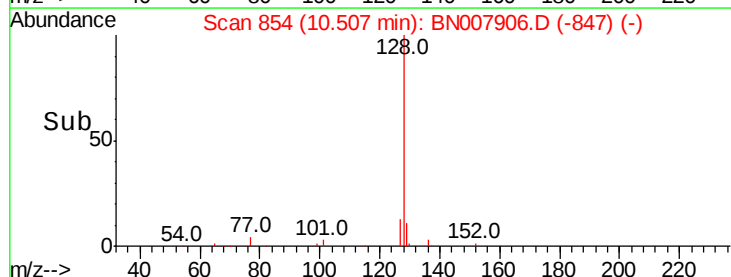
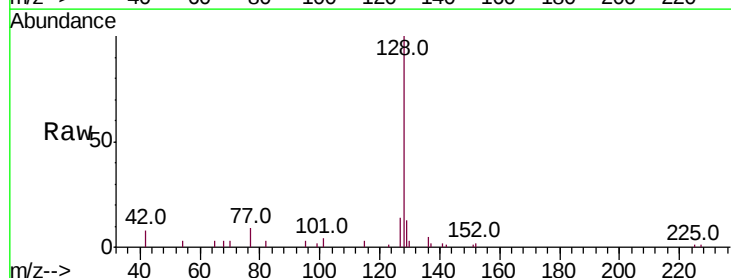
RT: 10.51 min Scan# 854

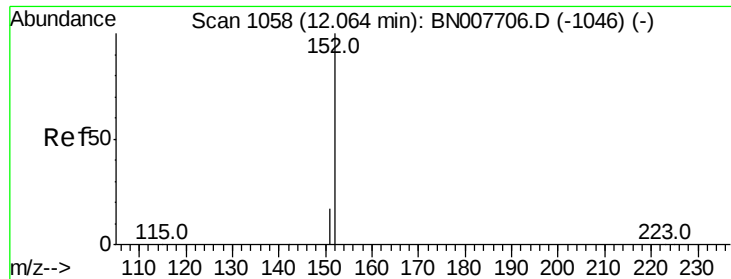
Delta R.T. -0.01 min

Lab File: BN007906.D

Acq: 30 Sep 2019 20:49

Tgt Ion:	128	Resp:	8486
Ion Ratio	Lower	Upper	
128	100		
129	12.8	9.1	13.7
127	14.5	10.6	15.8





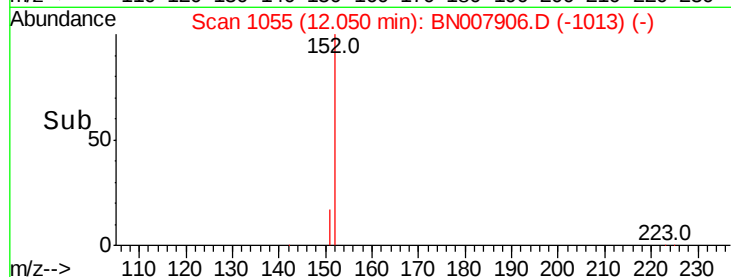
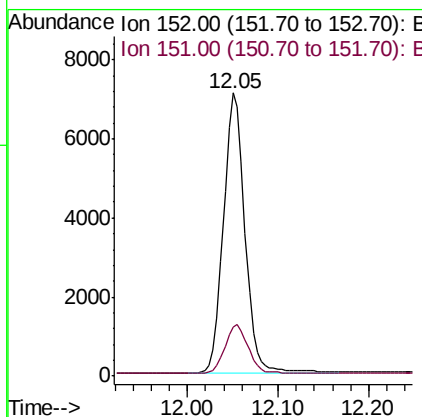
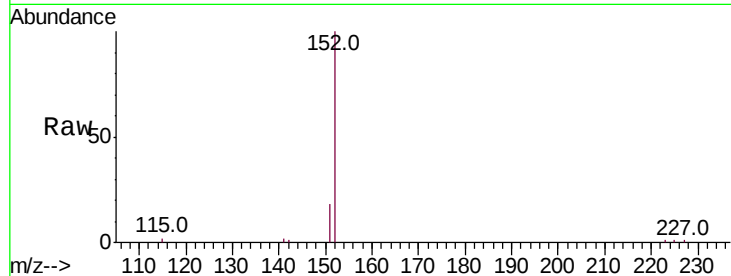
#11
2-Methylnaphthalene-d10
Concen: 0.213 ng
RT: 12.05 min Scan# 1055
Delta R.T. -0.01 min
Lab File: BN007906.D
Acq: 30 Sep 2019 20:49

Instrument :
BNA_N
ClientSampleId :
PST-024-SW129-092519

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.4	23.2

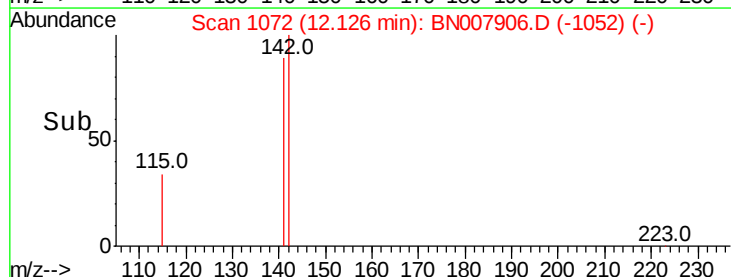
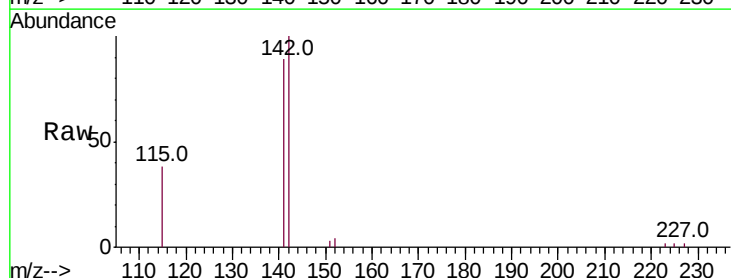
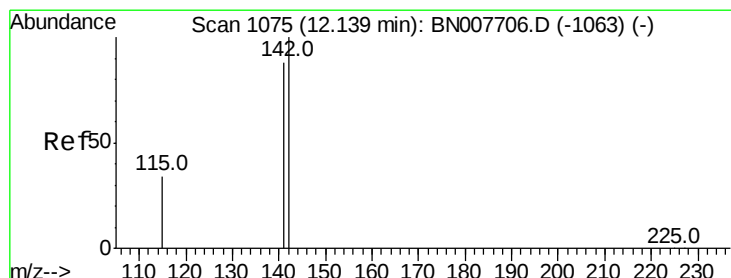
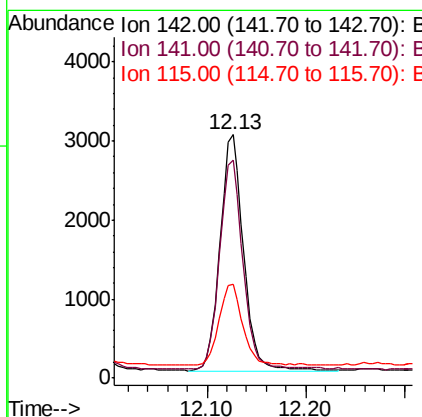
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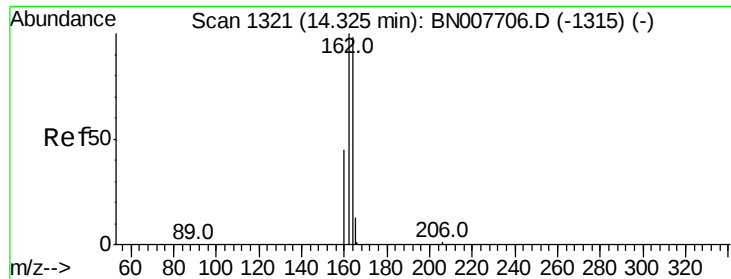
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#12
2-Methylnaphthalene
Concen: 0.080 ng
RT: 12.13 min Scan# 1072
Delta R.T. -0.01 min
Lab File: BN007906.D
Acq: 30 Sep 2019 20:49

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.3	70.6	106.0
115	38.4	28.3	42.5





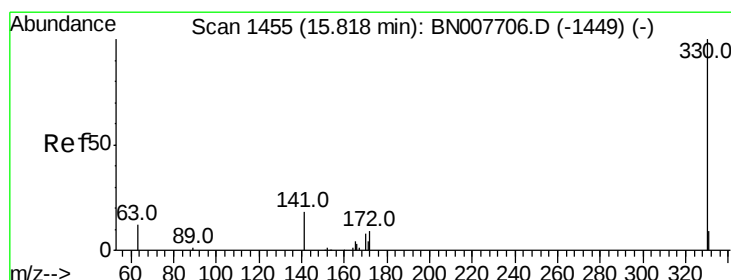
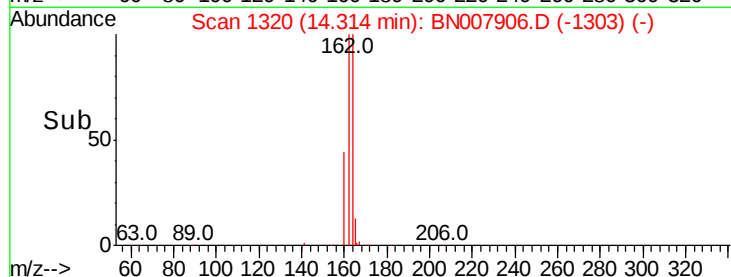
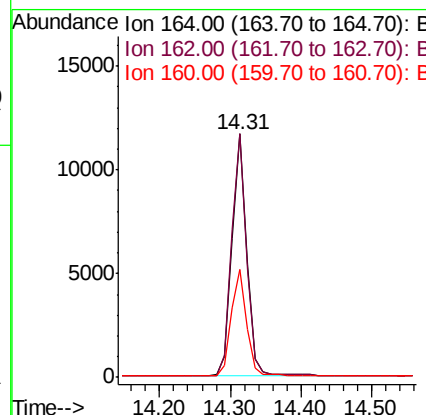
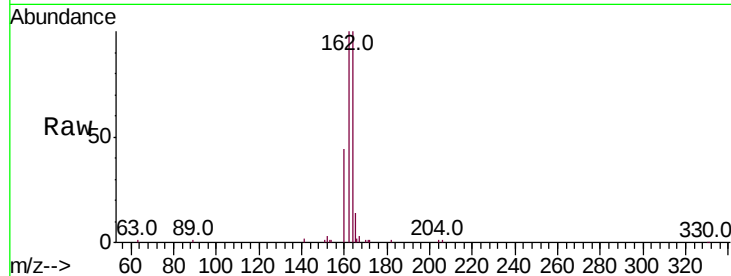
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BN007906.D
Acq: 30 Sep 2019 20:49

Instrument :
BNA_N
ClientSampleId :
PST-024-SW129-092519

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.2	81.7	122.5
160	44.4	37.0	55.4

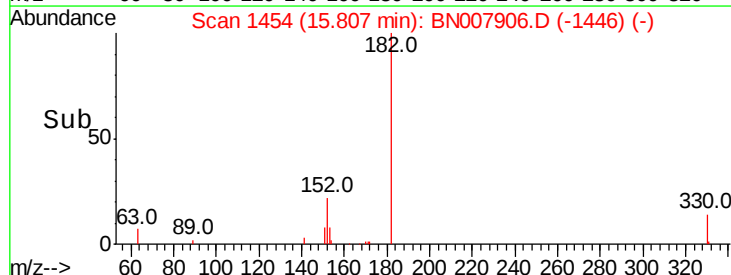
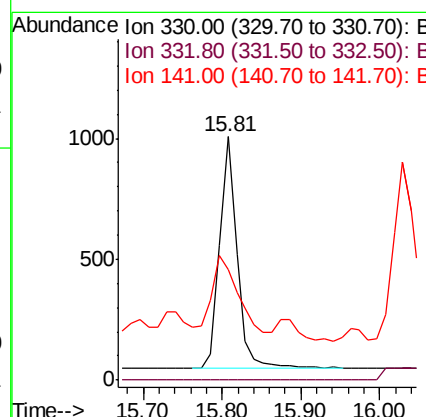
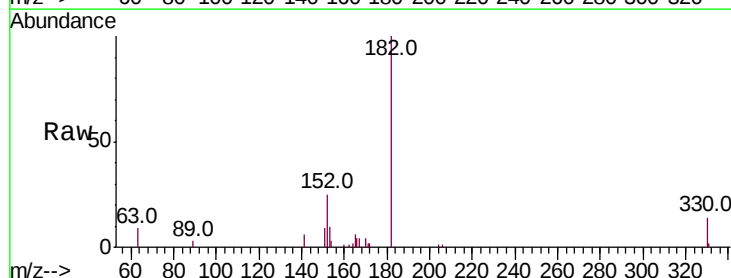
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#14
2,4,6-Tribromophenol
Concen: 0.159 ng
RT: 15.81 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BN007906.D
Acq: 30 Sep 2019 20:49

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	47.3	28.7	43.1#





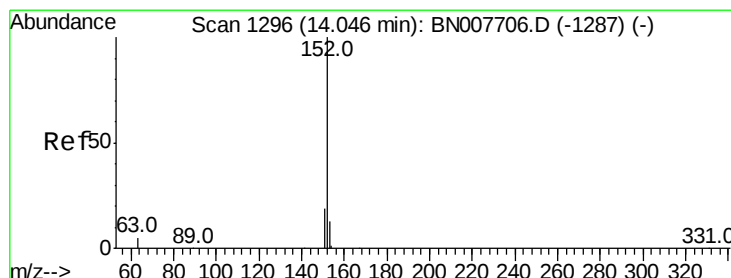
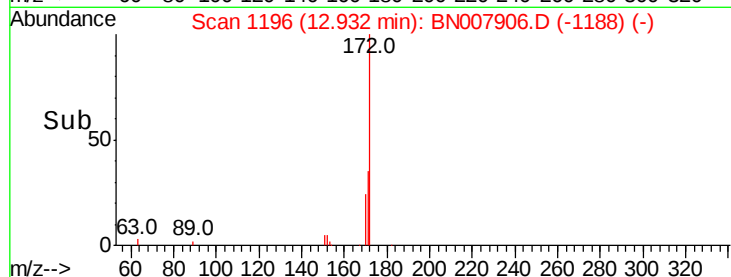
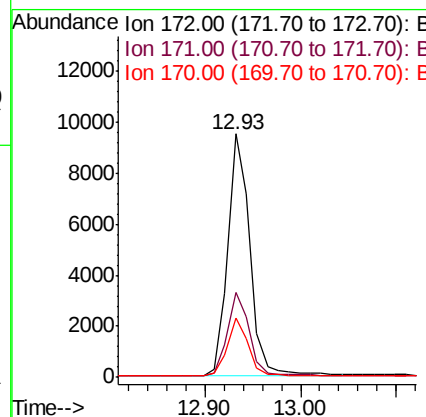
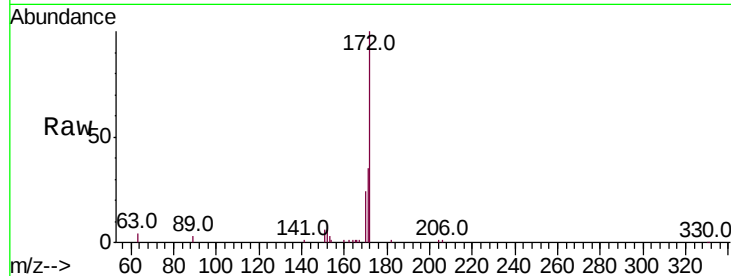
#15
2-Fluorobiphenyl
Concen: 0.213 ng
RT: 12.93 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BN007906.D
Acq: 30 Sep 2019 20:49

Instrument :
BNA_N
ClientSampleId :
PST-024-SW129-092519

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.8	43.2
170	24.2	19.5	29.3

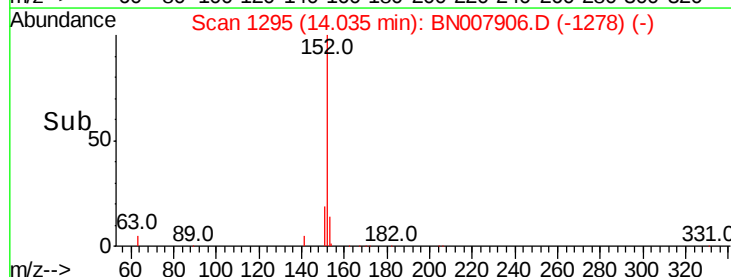
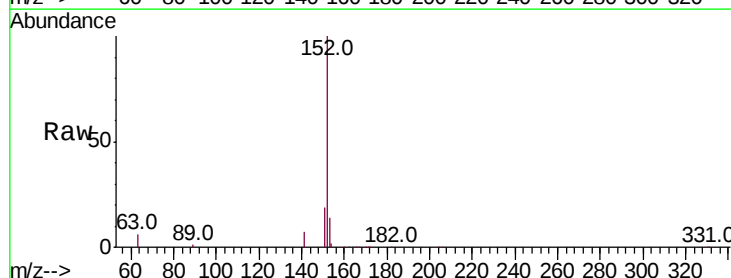
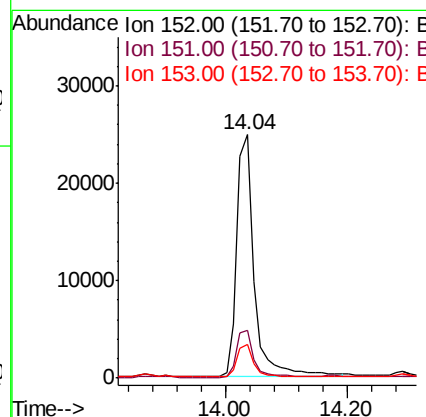
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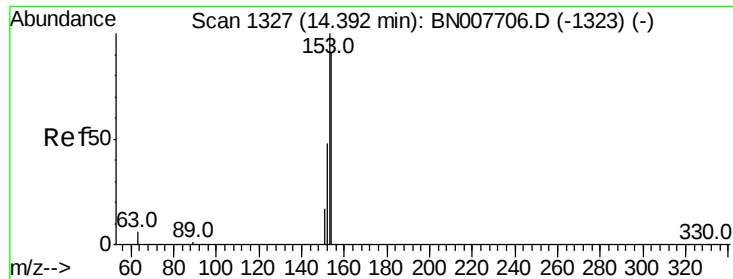
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#16
Acenaphthylene
Concen: 0.532 ng
RT: 14.04 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BN007906.D
Acq: 30 Sep 2019 20:49

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.5	23.3
153	13.5	10.4	15.6





#17

Acenaphthene

Concen: 0.496 ng

RT: 14.38 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BN007906.D

Acq: 30 Sep 2019 20:49

Instrument :

BNA_N

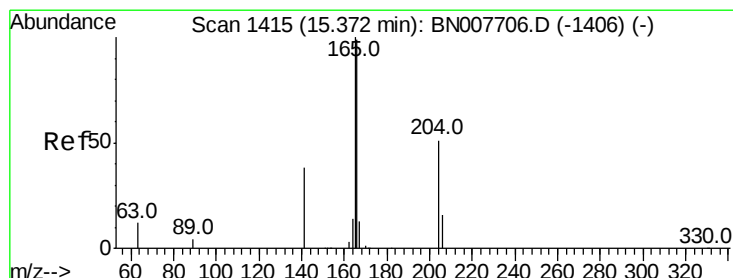
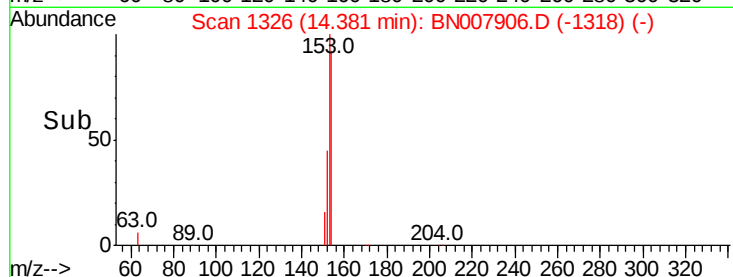
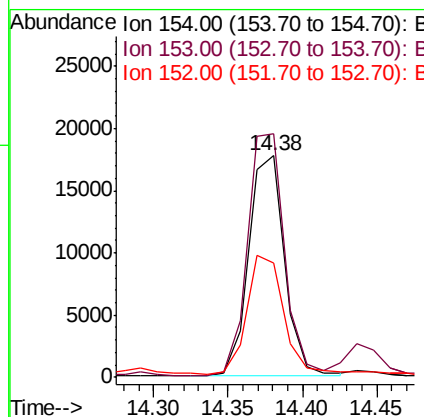
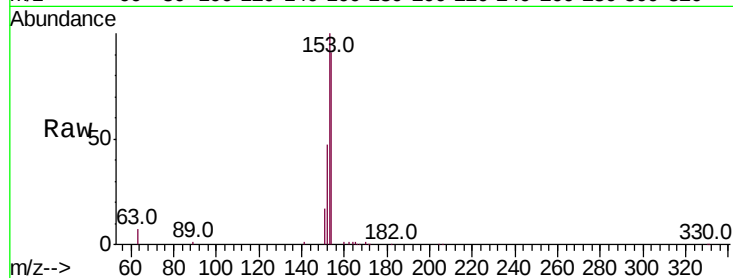
ClientSampleId :

PST-024-SW129-092519

Tot Ion:	154	Resp:	29601
Ion Ratio	Lower	Upper	
154	100		
153	112.9	87.0	130.4
152	56.6	42.7	64.1

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#18

Fluorene

Concen: 0.493 ng

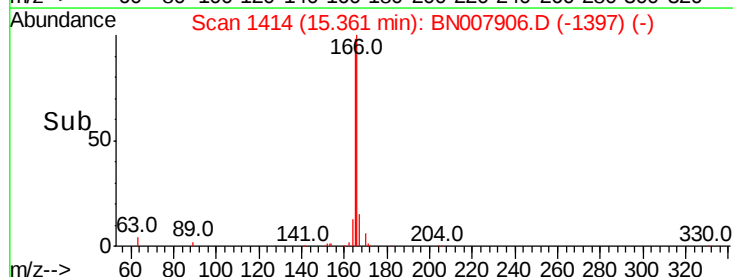
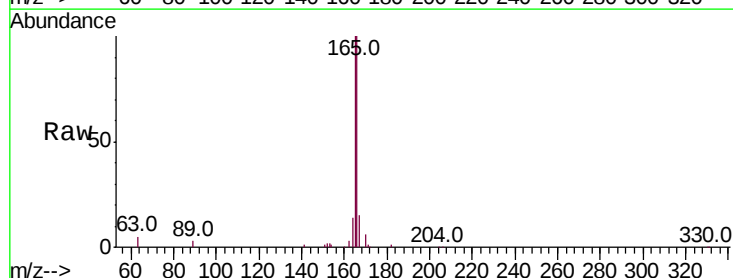
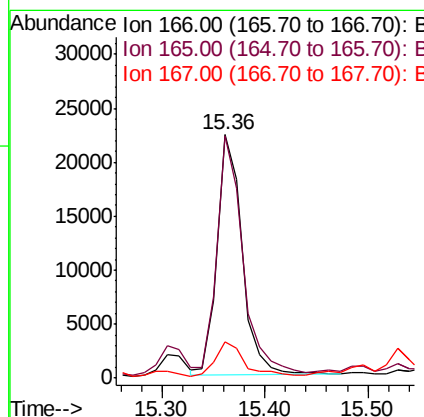
RT: 15.36 min Scan# 1414

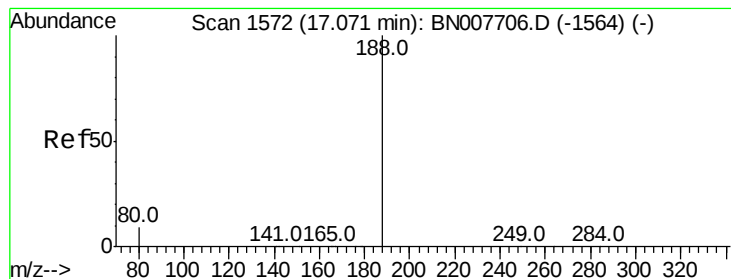
Delta R.T. -0.01 min

Lab File: BN007906.D

Acq: 30 Sep 2019 20:49

Tgt Ion:	166	Resp:	37768
Ion Ratio	Lower	Upper	
166	100		
165	100.5	78.0	117.0
167	15.8	10.9	16.3





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.06 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BN007906.D

Acq: 30 Sep 2019 20:49

Instrument :

BNA_N

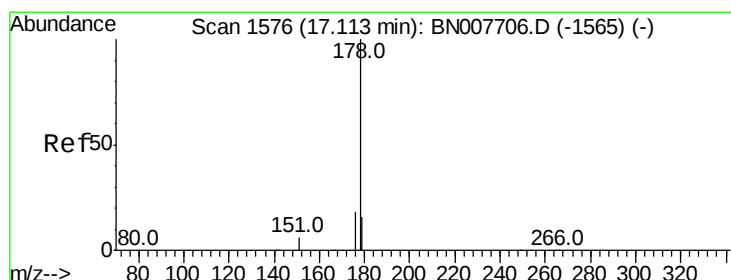
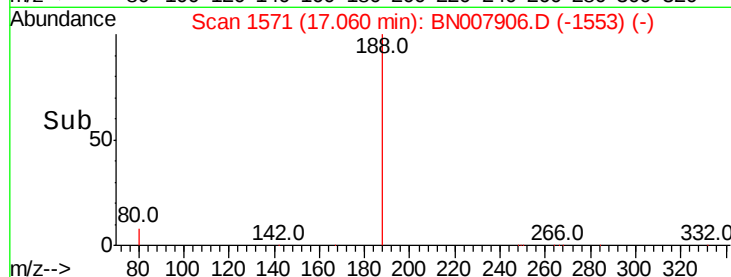
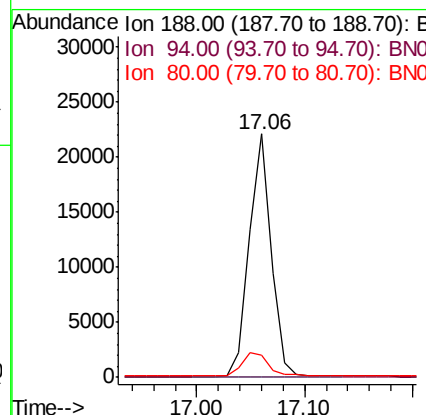
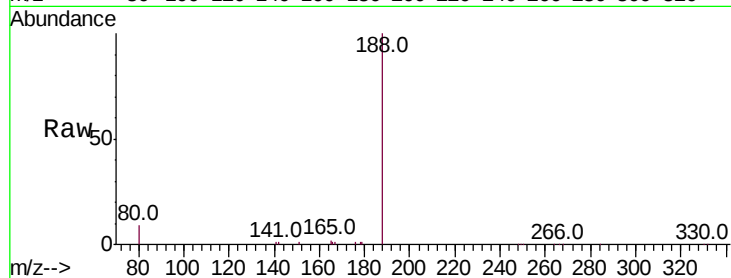
ClientSampleId :

PST-024-SW129-092519

Tot Ion:	188	Resp:	31008
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.4	7.4	11.2

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#23

Phenanthrene

Concen: 11.871 ng

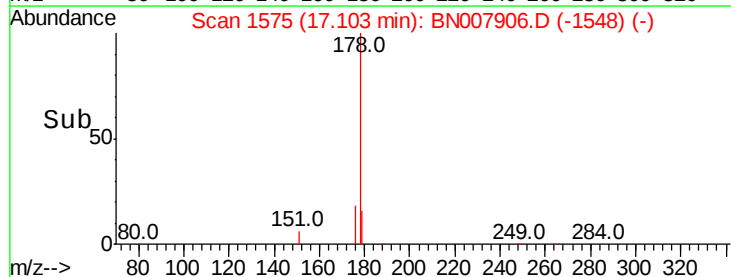
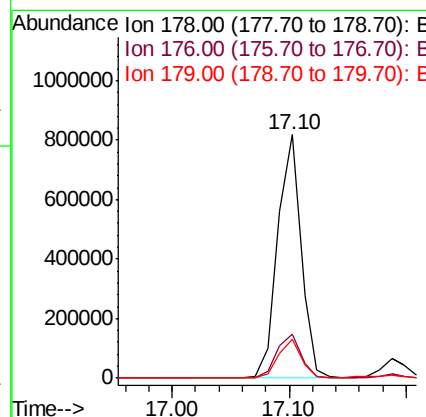
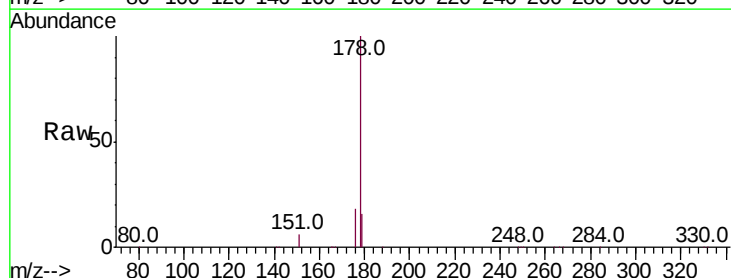
RT: 17.10 min Scan# 1575

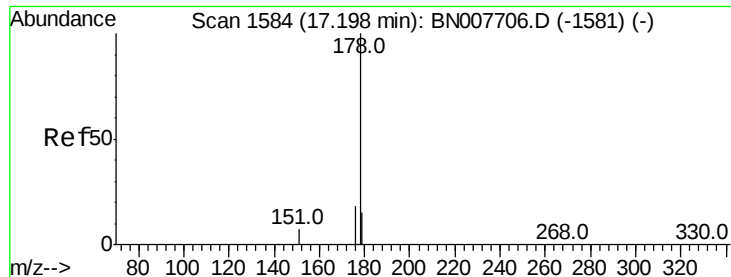
Delta R.T. -0.01 min

Lab File: BN007906.D

Acq: 30 Sep 2019 20:49

Tgt Ion:	178	Resp:	1146706
Ion Ratio	Lower	Upper	
178	100		
176	18.6	14.9	22.3
179	15.6	12.5	18.7





#24

Anthracene

Concen: 1.061 ng

RT: 17.19 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BN007906.D

Acq: 30 Sep 2019 20:49

Instrument :

BNA_N

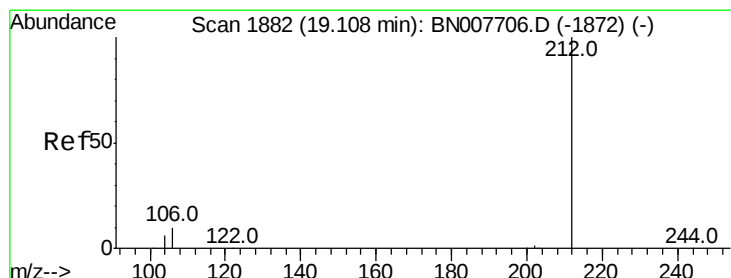
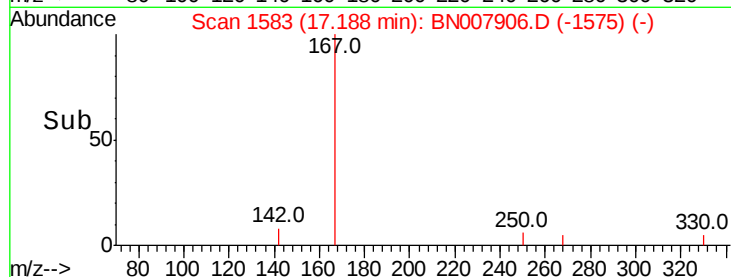
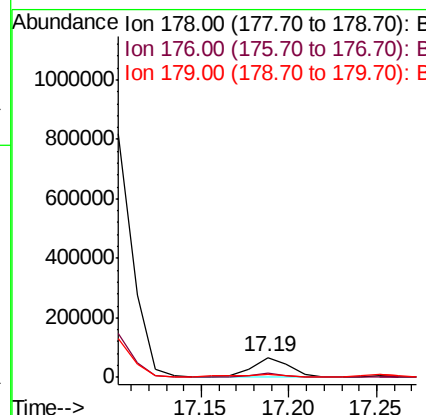
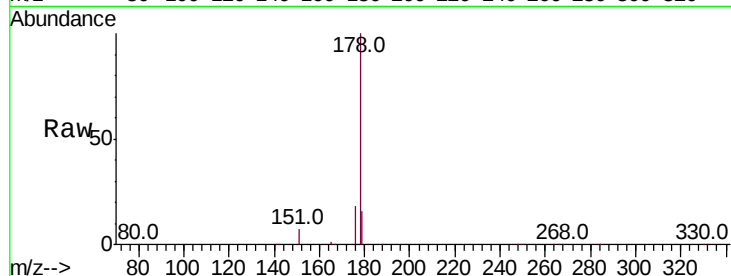
ClientSampleId :

PST-024-SW129-092519

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.6	21.8
179	23.6	12.2	18.4

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#25

Fluoranthene-d10

Concen: 0.200 ng

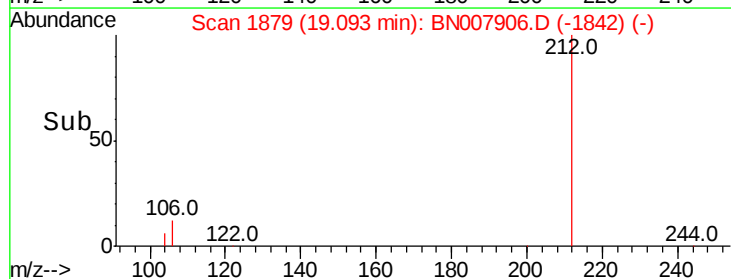
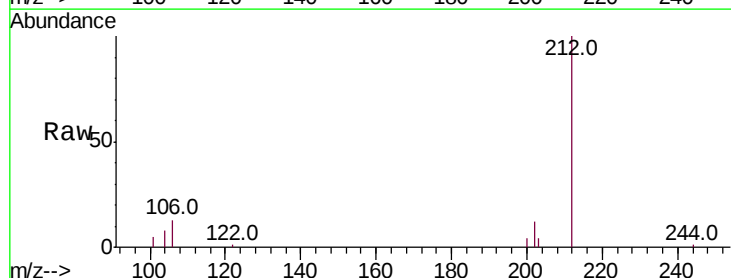
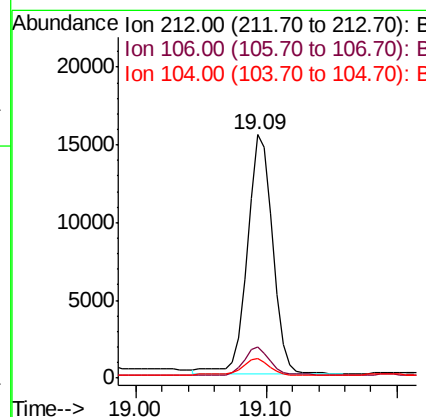
RT: 19.09 min Scan# 1879

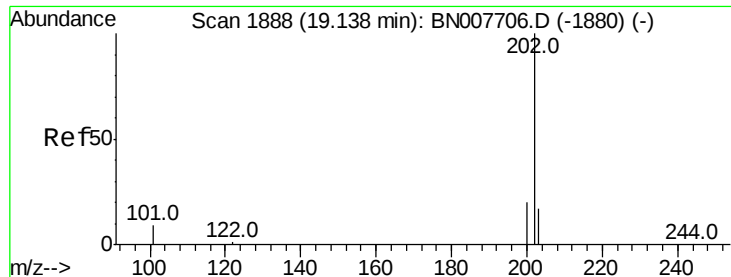
Delta R.T. -0.01 min

Lab File: BN007906.D

Acq: 30 Sep 2019 20:49

Tgt Ion	Ratio	Lower	Upper
212	100		
106	11.8	9.4	14.0
104	7.5	5.3	7.9





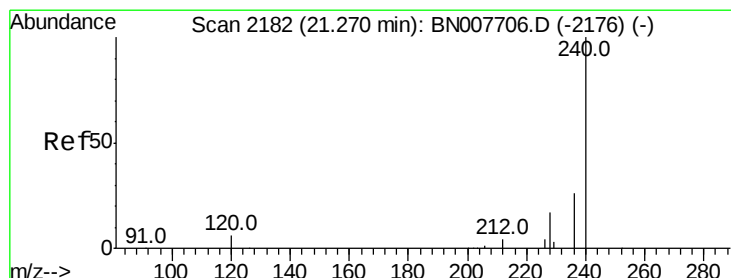
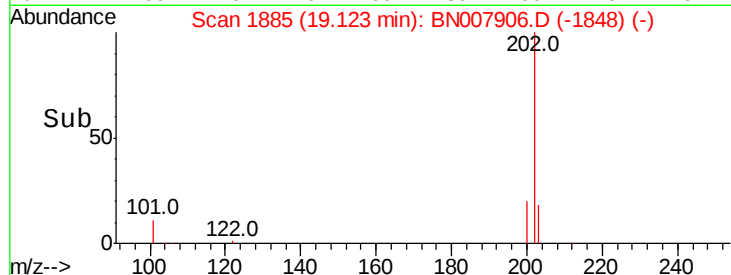
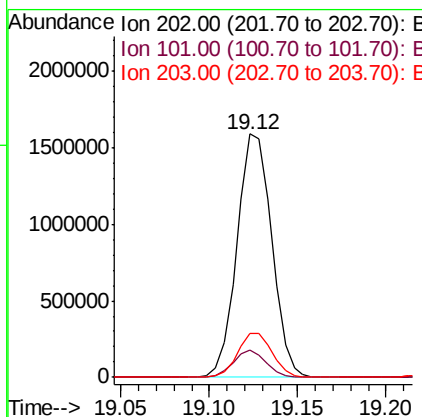
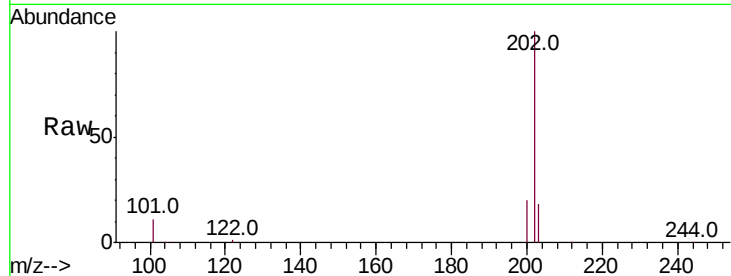
#26
Fluoranthene
Concen: 18.067 ng
RT: 19.12 min Scan# 1885
Delta R.T. -0.01 min
Lab File: BN007906.D
Acq: 30 Sep 2019 20:49

Instrument :
BNA_N
ClientSampleId :
PST-024-SW129-092519

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.6	8.4	12.6
203	17.8	13.8	20.8

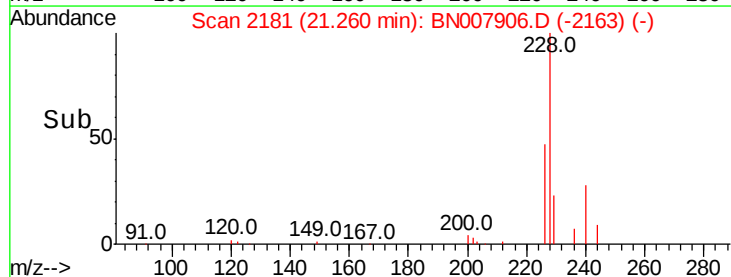
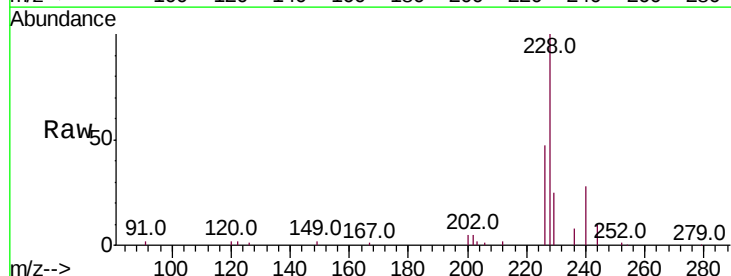
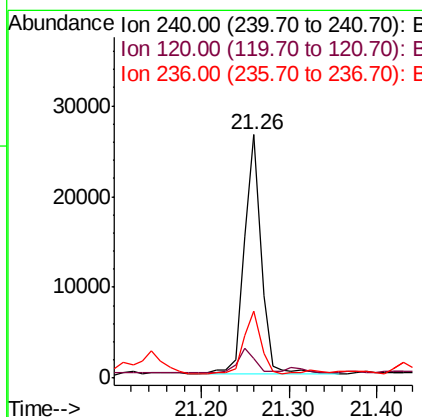
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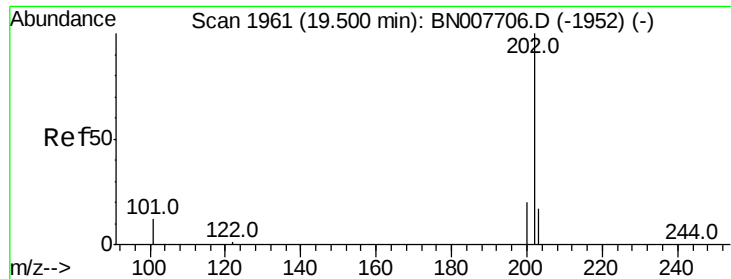
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.26 min Scan# 2181
Delta R.T. -0.01 min
Lab File: BN007906.D
Acq: 30 Sep 2019 20:49

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.0	5.4	8.2
236	27.4	21.0	31.4





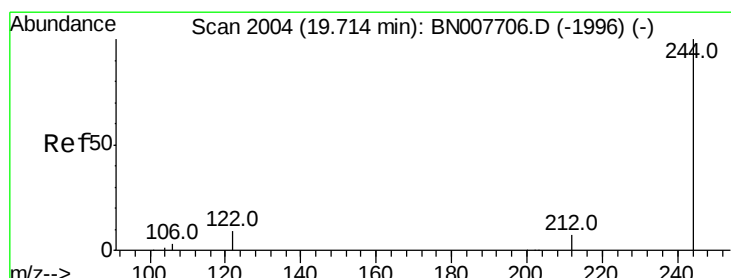
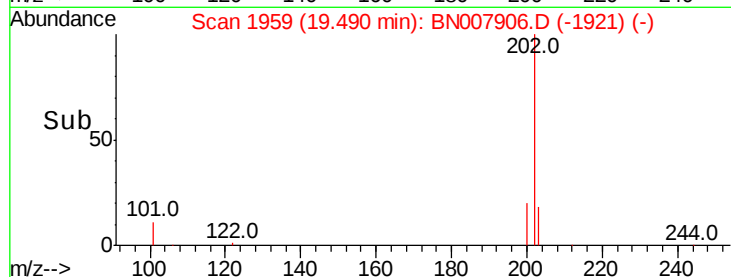
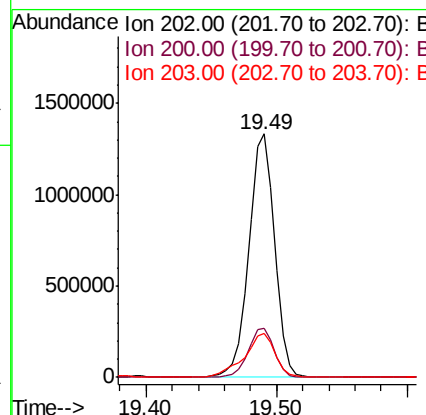
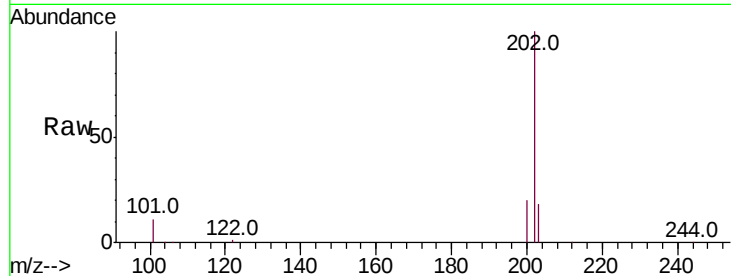
#28
Pvrene
Concen: 15.497 ng
RT: 19.49 min Scan# 1959
Delta R.T. -0.01 min
Lab File: BN007906.D
Acq: 30 Sep 2019 20:49

Instrument :
BNA_N
ClientSampleId :
PST-024-SW129-092519

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.4	24.6
203	21.5	14.1	21.1

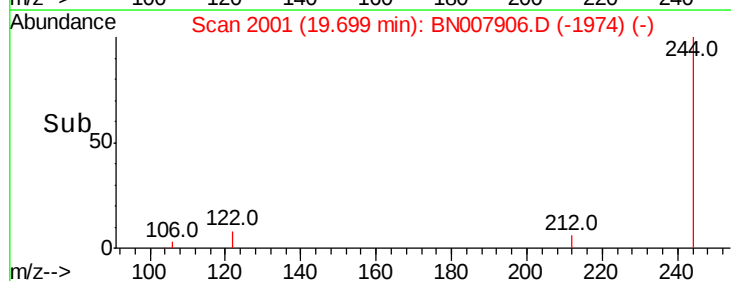
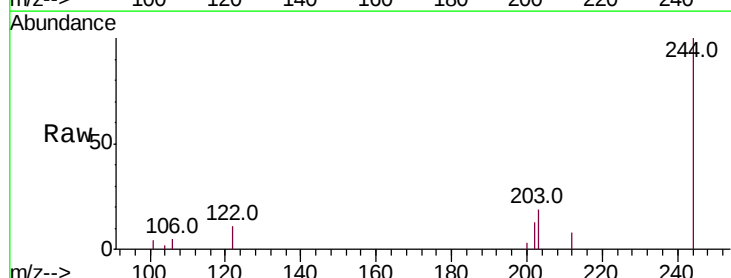
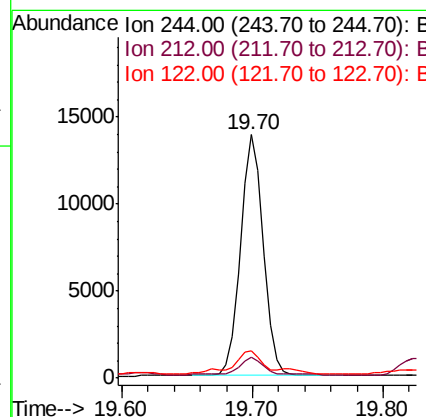
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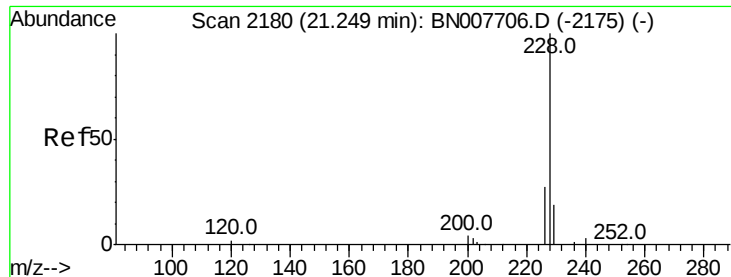
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#29
Terphenyl-d14
Concen: 0.196 ng
RT: 19.70 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BN007906.D
Acq: 30 Sep 2019 20:49

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.4	5.9	8.9
122	11.0	7.4	11.2





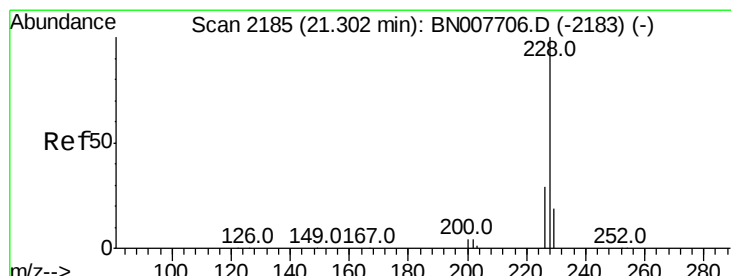
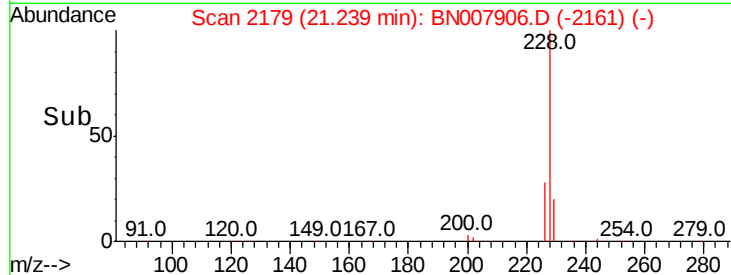
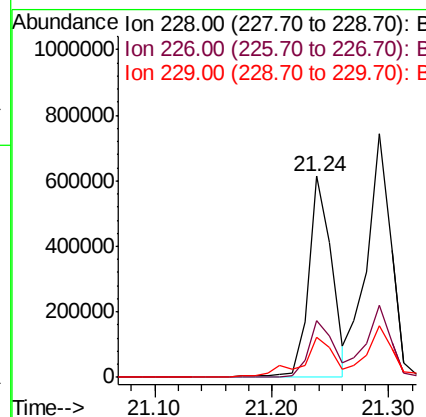
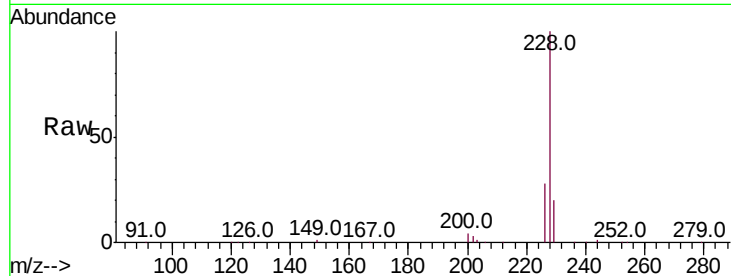
#30
Benzo(a)anthracene
Concen: 6.534 ng
RT: 21.24 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BN007906.D
Acq: 30 Sep 2019 20:49

Instrument :
BNA_N
ClientSampleId :
PST-024-SW129-092519

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.1	33.1
229	20.2	15.8	23.6

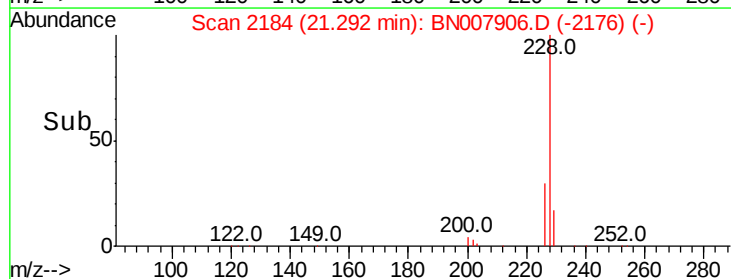
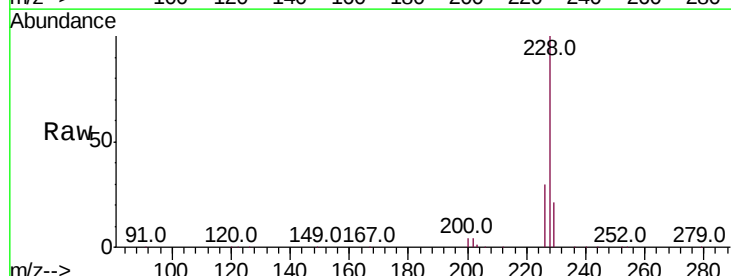
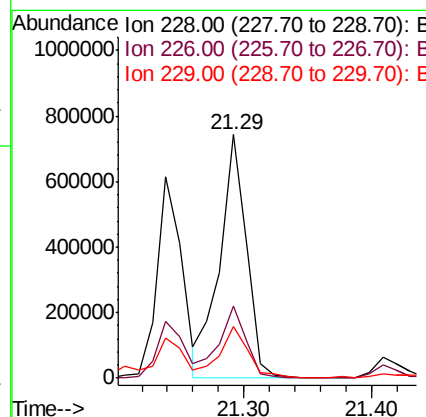
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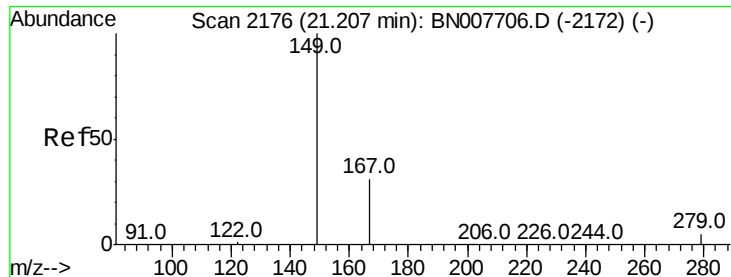
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#31
Chrysene
Concen: 8.499 ng
RT: 21.29 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BN007906.D
Acq: 30 Sep 2019 20:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.9	35.9
229	21.4	15.8	23.6





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.372 ng

RT: 21.19 min Scan# 2174

Delta R.T. -0.02 min

Lab File: BN007906.D

Acq: 30 Sep 2019 20:49

Instrument :

BNA_N

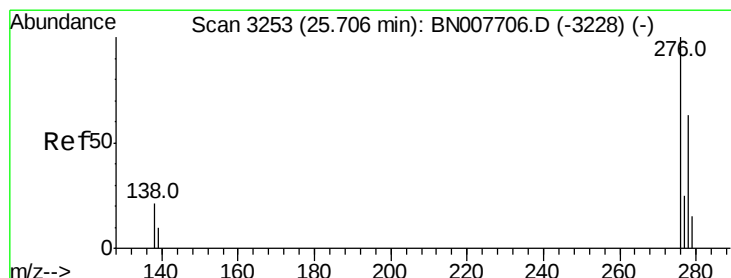
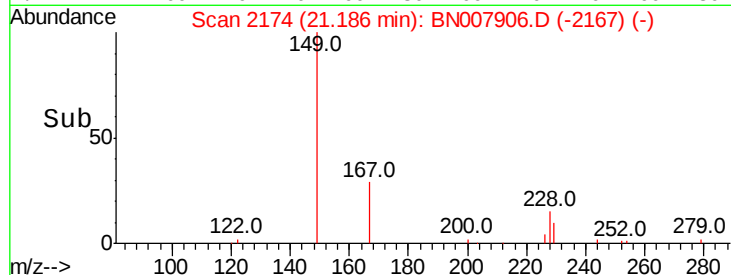
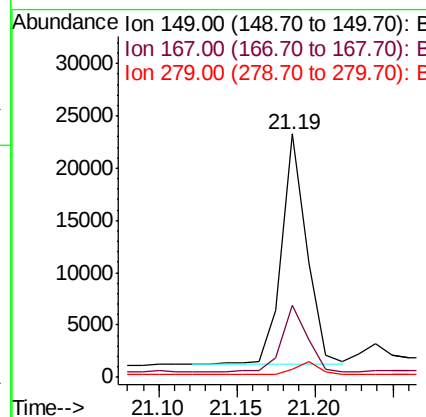
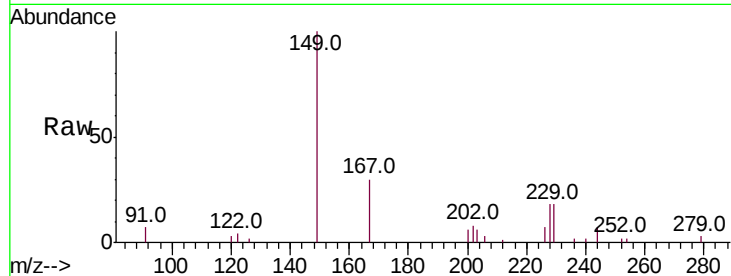
ClientSampleId :

PST-024-SW129-092519

Tot Ion:	149	Resp:	24527
Ion Ratio	Lower	Upper	
149	100		
167	29.1	23.7	35.5
279	6.2	4.2	6.2

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#33

Indeno(1,2,3-cd)pyrene

Concen: 5.461 ng

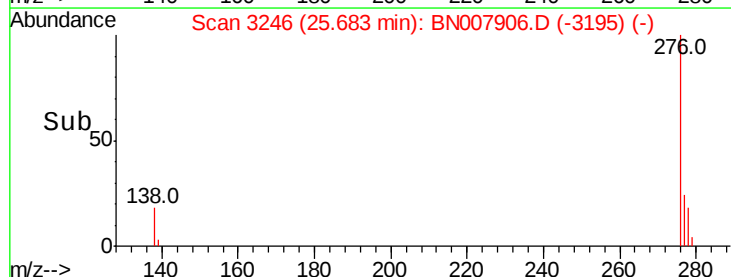
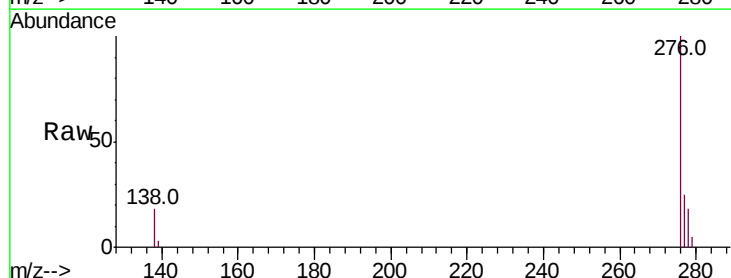
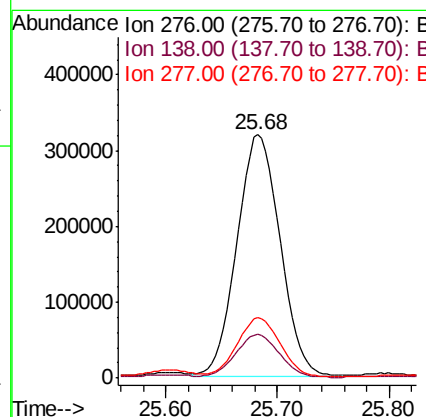
RT: 25.68 min Scan# 3246

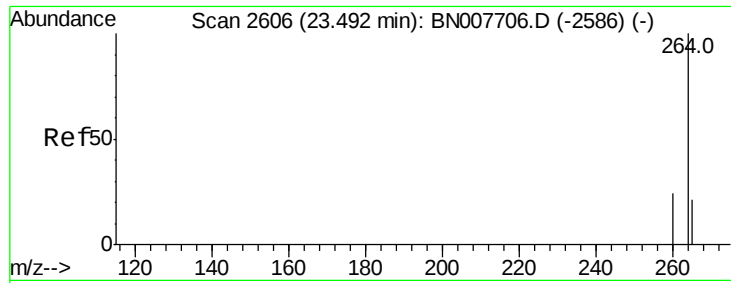
Delta R.T. -0.02 min

Lab File: BN007906.D

Acq: 30 Sep 2019 20:49

Tgt Ion:	276	Resp:	855096
Ion Ratio	Lower	Upper	
276	100		
138	17.7	17.1	25.7
277	24.4	20.0	30.0





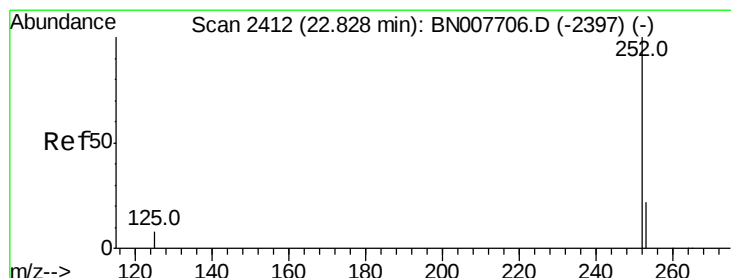
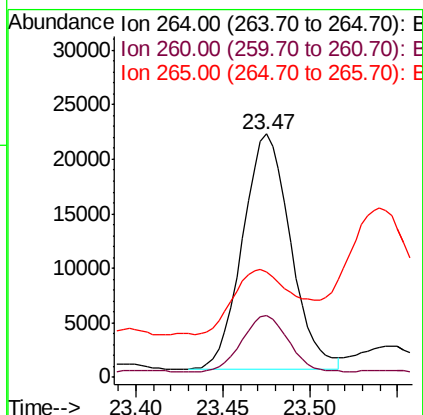
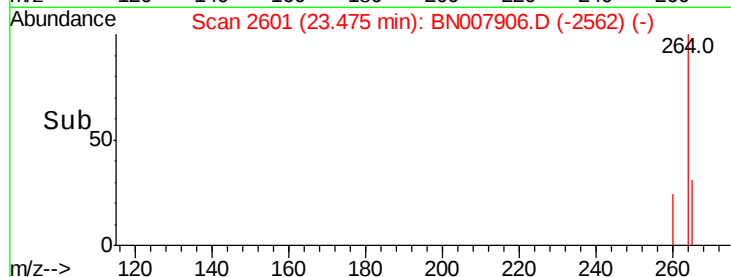
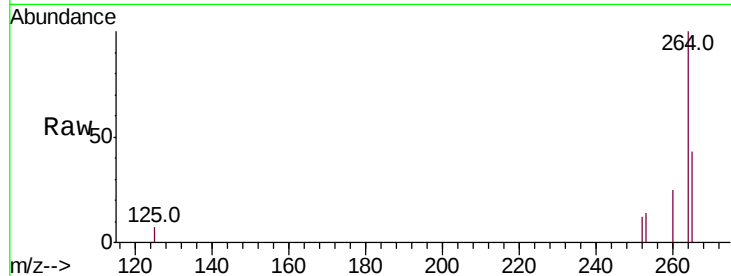
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.47 min Scan# 2601
Delta R.T. -0.02 min
Lab File: BN007906.D
Acq: 30 Sep 2019 20:49

Instrument :
BNA_N
ClientSampleId :
PST-024-SW129-092519

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.3	28.9
265	43.1	26.9	40.3

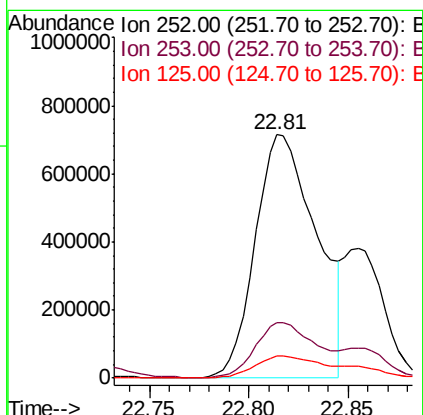
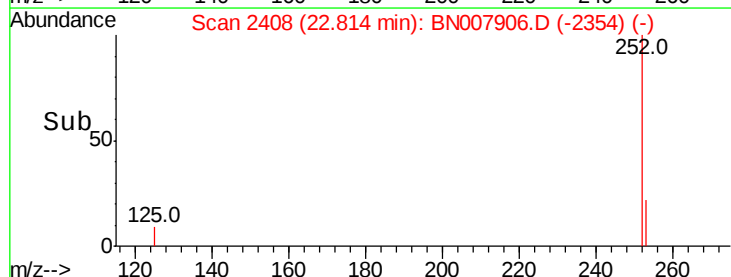
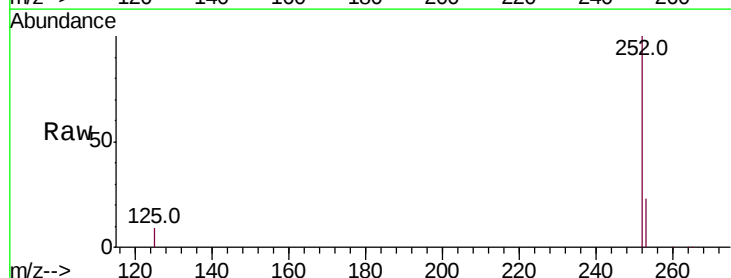
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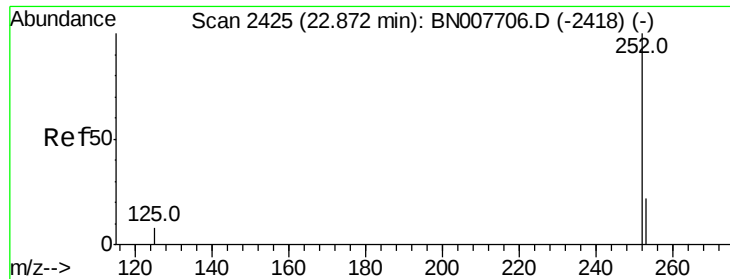
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#35
Benzo(b)fluoranthene
Concen: 10.703 ng
RT: 22.81 min Scan# 2408
Delta R.T. -0.01 min
Lab File: BN007906.D
Acq: 30 Sep 2019 20:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.3	27.5
125	9.0	8.2	12.4





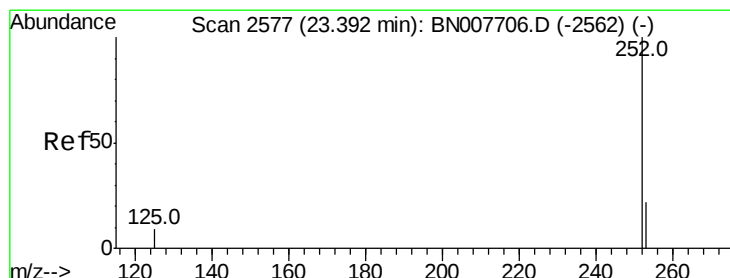
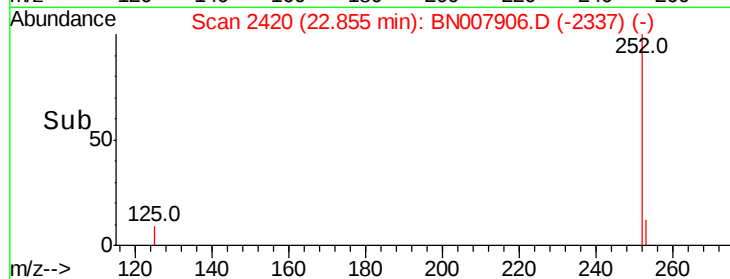
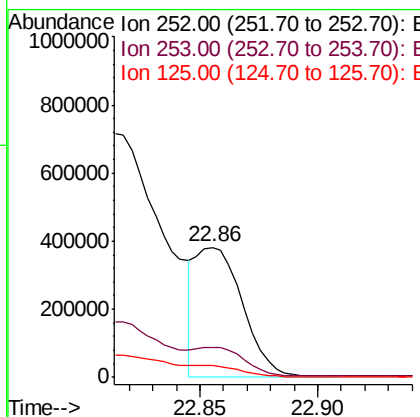
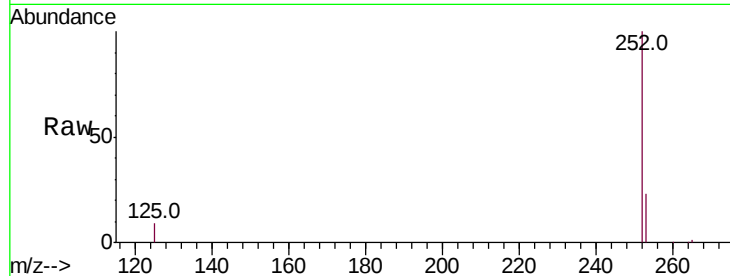
#36
Benzo(k)fluoranthene
Concen: 3.794 ng m
RT: 22.86 min Scan# 2420
Delta R.T. -0.02 min
Lab File: BN007906.D
Acq: 30 Sep 2019 20:49

Instrument :
BNA_N
ClientSampleId :
PST-024-SW129-092519

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.5	27.7
125	9.0	8.4	12.6

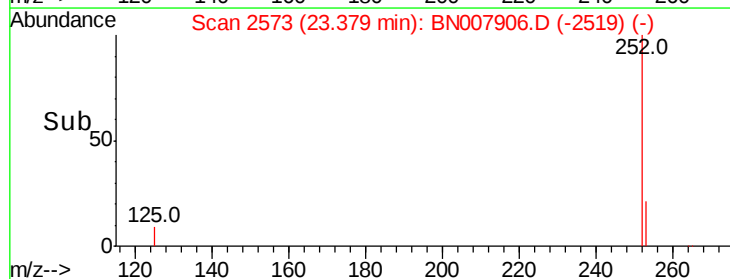
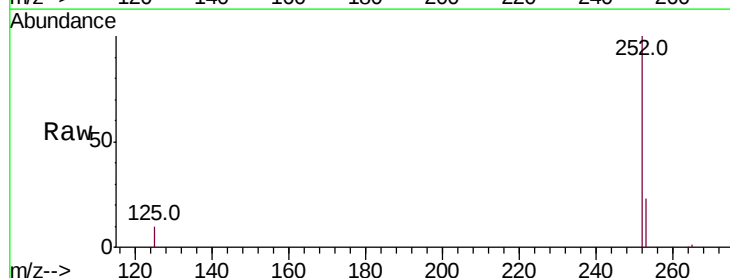
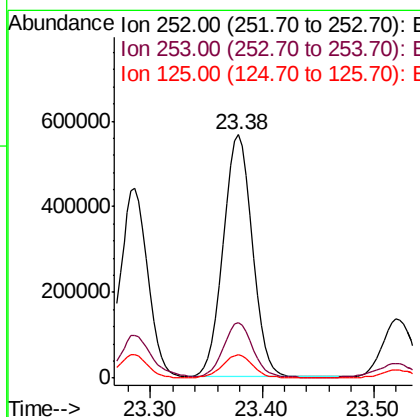
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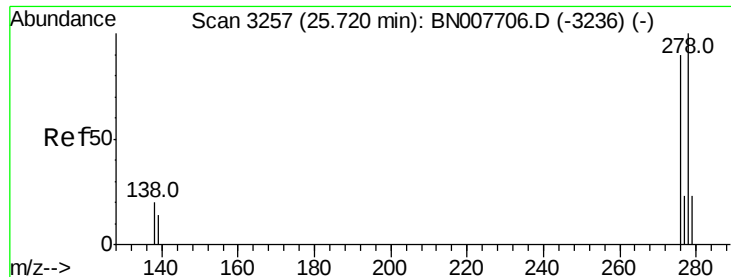
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#37
Benzo(a)pyrene
Concen: 7.577 ng
RT: 23.38 min Scan# 2573
Delta R.T. -0.01 min
Lab File: BN007906.D
Acq: 30 Sep 2019 20:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.6	27.8
125	9.5	9.4	14.0





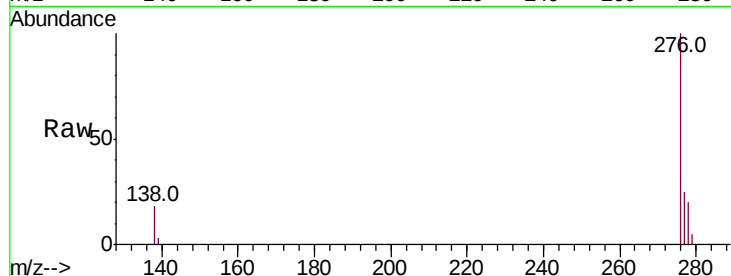
#38
Dibenzo(a,h)anthracene
Concen: 1.363 ng
RT: 25.69 min Scan# 3248
Delta R.T. -0.03 min
Lab File: BN007906.D
Acq: 30 Sep 2019 20:49

Instrument :
BNA_N
ClientSampleId :
PST-024-SW129-092519

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.3	11.8	17.6
279	25.3	19.4	29.2

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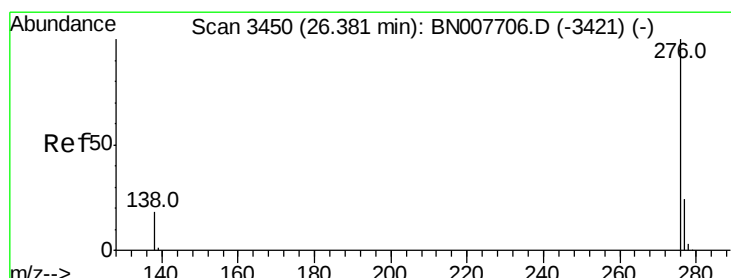
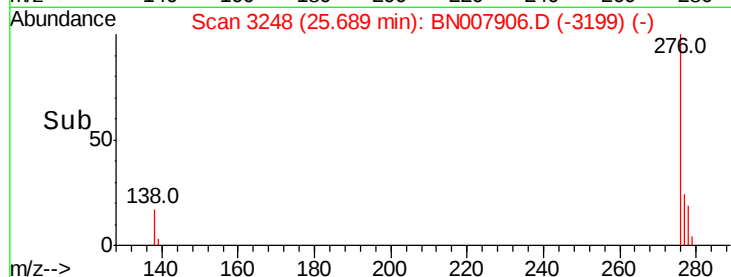
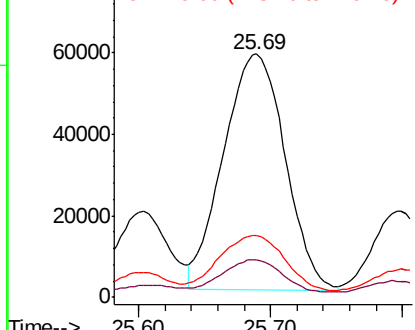


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#39
Benzo(g,h,i)perylene
Concen: 6.332 ng
RT: 26.36 min Scan# 3443
Delta R.T. -0.02 min
Lab File: BN007906.D
Acq: 30 Sep 2019 20:49

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.8	29.8
138	18.5	15.1	22.7

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

