

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN093019\
 Data File : BN007898.D
 Acq On : 30 Sep 2019 15:54
 Operator : JU
 Sample : K5077-23
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW138-092519

Manual Integrations
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mohammad
 10/2/2019 8:21:26 AM

Quant Time: Oct 01 07:20:32 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	9282	0.40	ng	0.00
7) Naphthalene-d8	10.46	136	36061	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	20534	0.40	ng	-0.01
19) Phenanthrene-d10	17.06	188	38924	0.40	ng	-0.01
27) Chrysene-d12	21.26	240	37576	0.40	ng	-0.01
34) Perylene-d12	23.47	264	46284	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.31	112	6481	0.20	ng	0.00
5) Phenol-d6	6.86	99	8658	0.21	ng	0.00
8) Nitrobenzene-d5	8.83	82	7607	0.24	ng	0.00
11) 2-Methylnaphthalene-d10	12.05	152	14204	0.23	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	1882	0.17	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	19397	0.23	ng	-0.01
25) Fluoranthene-d10	19.09	212	28302	0.22	ng	-0.01
29) Terphenyl-d14	19.70	244	22526	0.24	ng	-0.01

Target Compounds

						Qvalue
16) Acenaphthylene	14.03	152	7344	0.067	ng	99
23) Phenanthrene	17.10	178	39960	0.330	ng	100
24) Anthracene	17.19	178	4962	0.045	ng	97
26) Fluoranthene	19.12	202	77793	0.516	ng	99
28) Pyrene	19.49	202	68053	0.531	ng	97
30) Benzo(a)anthracene	21.24	228	32757	0.237	ng	94
31) Chrysene	21.29	228	41904	0.311	ng	98
32) Bis(2-ethylhexyl)phthalate	21.19	149	13280	0.187	ng	99
33) Indeno(1,2,3-cd)pyrene	25.68	276	30511	0.181	ng	96
35) Benzo(b)fluoranthene	22.82	252	58450	0.364	ng	# 93
36) Benzo(k)fluoranthene	22.86	252	19732m	0.124	ng	
37) Benzo(a)pyrene	23.38	252	37403	0.248	ng	# 92
38) Dibenzo(a,h)anthracene	25.69	278	7424	0.048	ng	# 70
39) Benzo(g,h,i)perylene	26.36	276	30246	0.198	ng	95

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

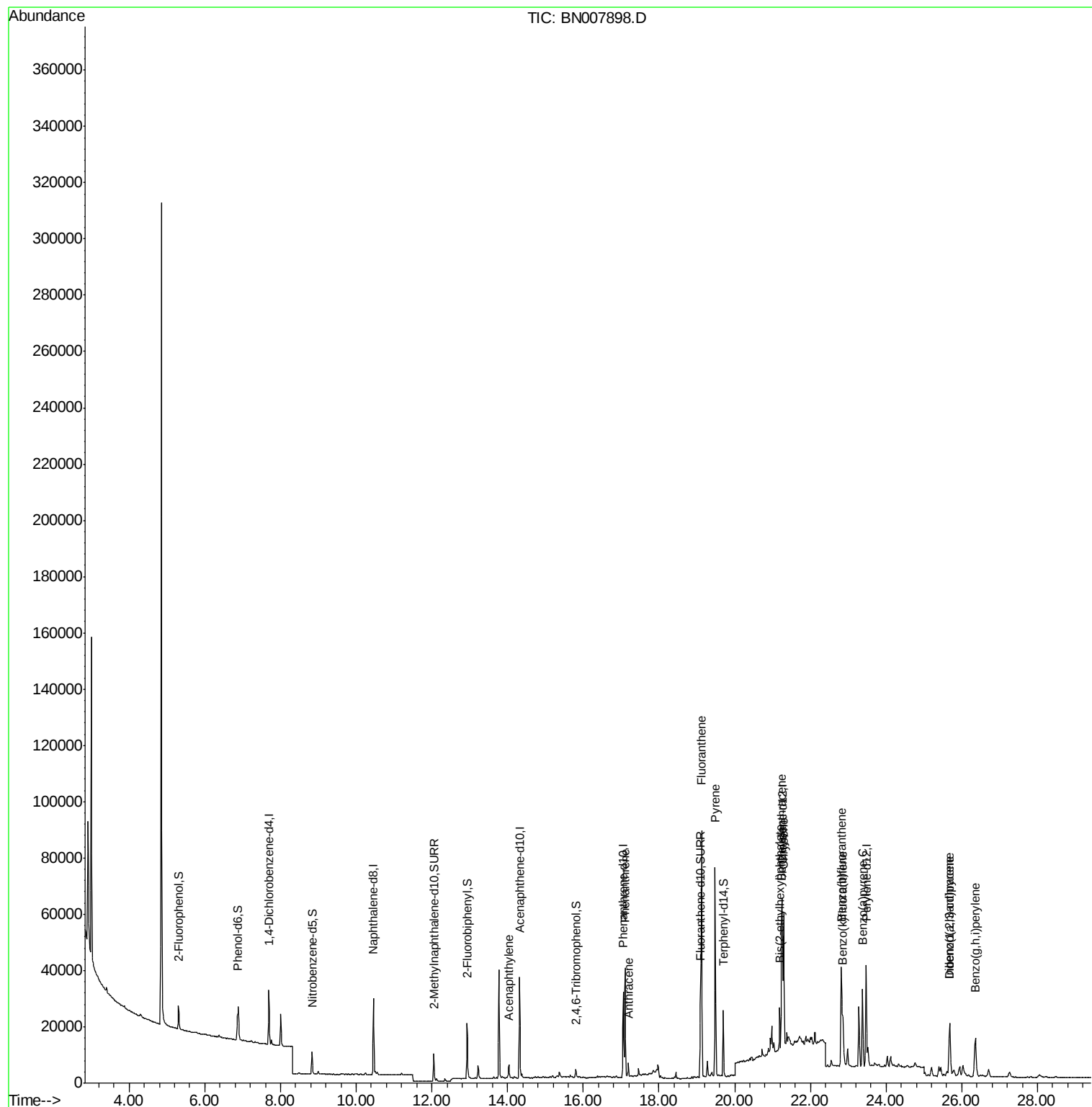
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#1

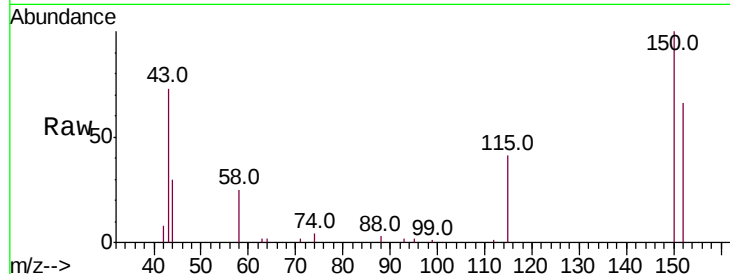
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 604
Delta R.T. -0.01 min
Lab File: BN007898.D
Acq: 30 Sep 2019 15:54

Instrument :
BNA_N
ClientSampleId :
PST-024-SW138-092519

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.6	125.6	188.4
115	62.5	53.3	79.9

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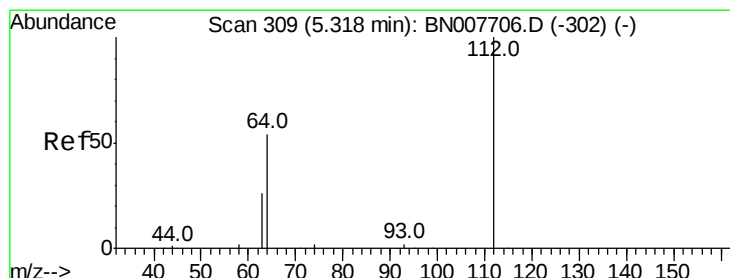
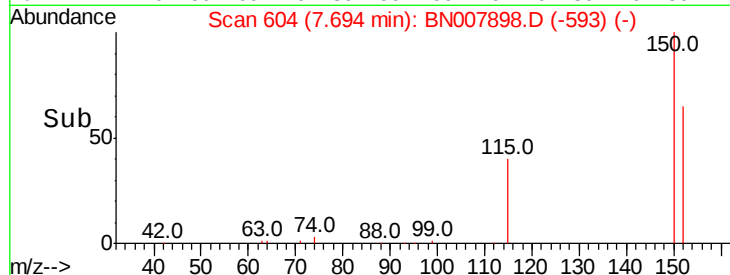
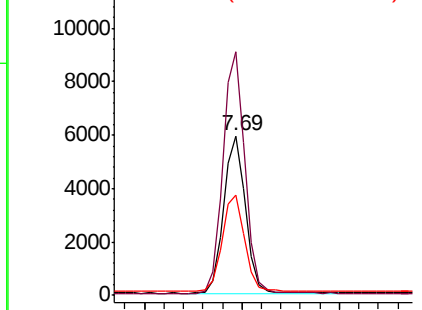


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

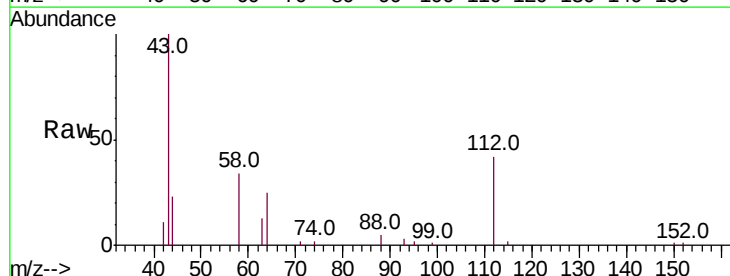
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.203 ng
RT: 5.31 min Scan# 308
Delta R.T. -0.01 min
Lab File: BN007898.D
Acq: 30 Sep 2019 15:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.5	46.6	70.0
63	29.2	23.1	34.7

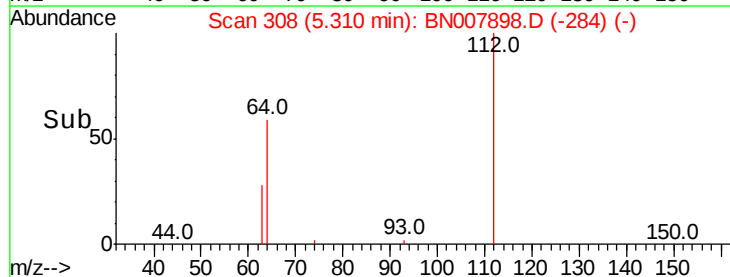
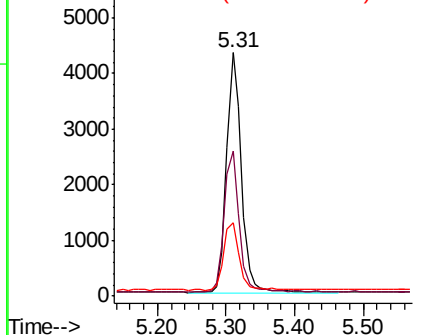


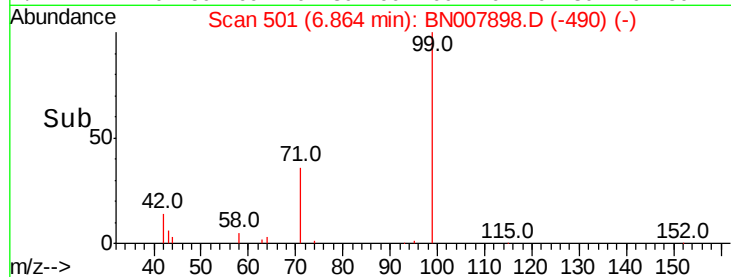
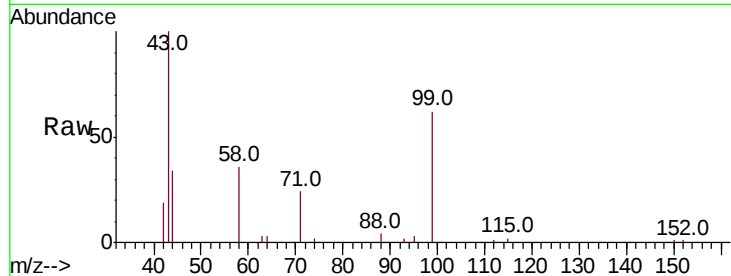
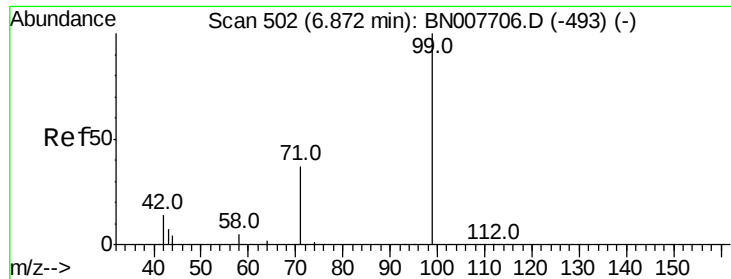
Abundance

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

Phenol-d6

Concen: 0.214 ng

RT: 6.86 min Scan# 501

Delta R.T. -0.01 min

Lab File: BN007898.D

Acq: 30 Sep 2019 15:54

Tot Ion:	99	Resp:	8658
Ion Ratio	Lower	Upper	
99	100		
42	20.1	12.8	19.2#
71	34.0	27.6	41.4

Instrument :

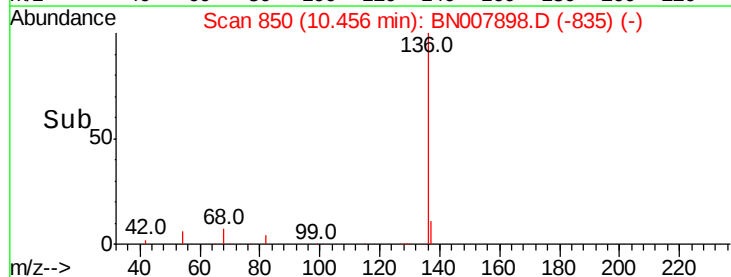
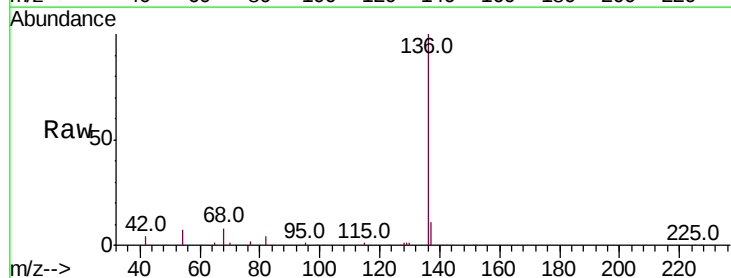
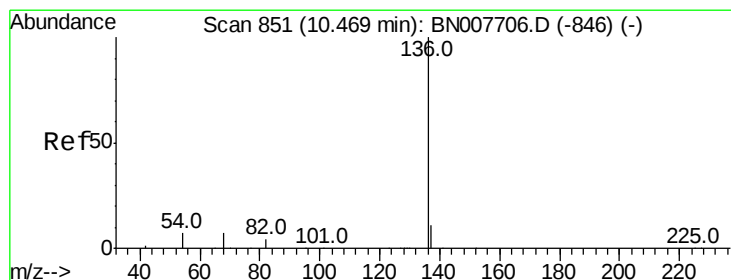
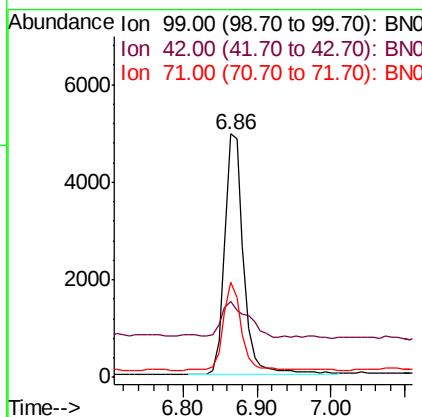
BNA_N

ClientSampleId :

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#7

Naphthalene-d8

Concen: 0.400 ng

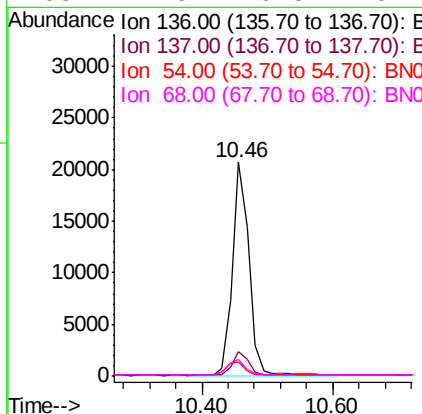
RT: 10.46 min Scan# 850

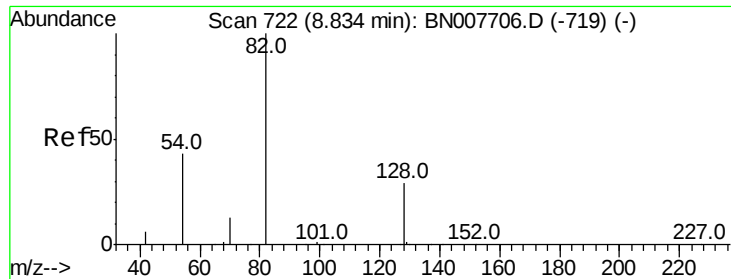
Delta R.T. -0.01 min

Lab File: BN007898.D

Acq: 30 Sep 2019 15:54

Tgt Ion:	136	Resp:	36061
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.2	13.8
54	6.9	5.8	8.8
68	7.9	6.5	9.7





#8

Nitrobenzene-d5

Concen: 0.241 ng

RT: 8.83 min Scan# 722

Delta R.T. -0.00 min

Lab File: BN007898.D

Acq: 30 Sep 2019 15:54

Instrument :

BNA_N

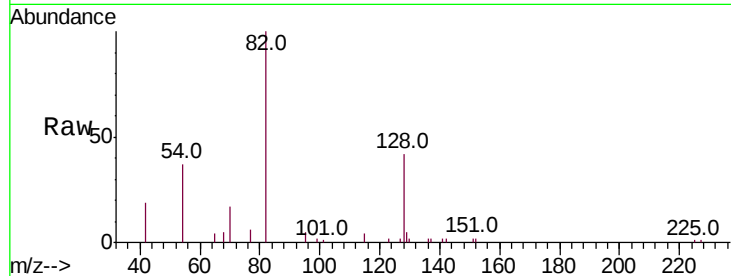
ClientSampleId :

PST-024-SW138-092519

Tot Ion:	82	Resp:	7607
Ion Ratio	Lower	Upper	
82	100		
128	41.6	24.5	36.7#
54	36.7	35.2	52.8

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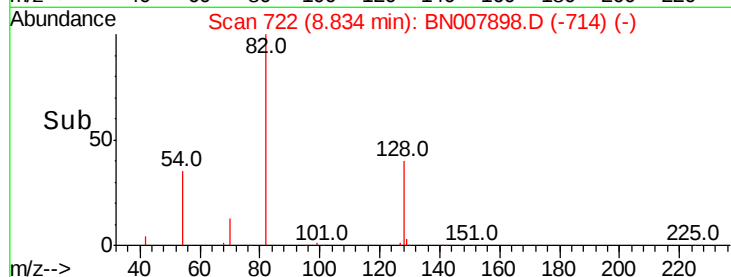


Abundance Ion 82.00 (81.70 to 82.70): BN007706.D (-719) (-)

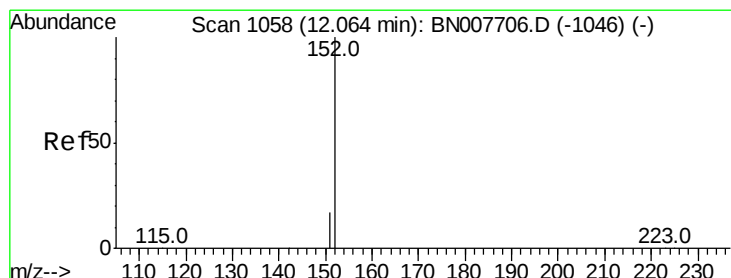
Ion 128.00 (127.70 to 128.70): BN007706.D (-719) (-)

Ion 54.00 (53.70 to 54.70): BN007706.D (-719) (-)

Time-->



Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.234 ng

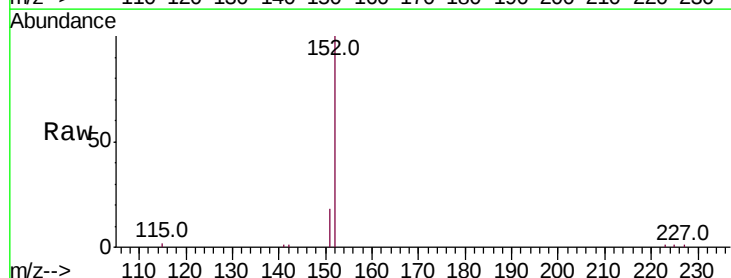
RT: 12.05 min Scan# 1055

Delta R.T. -0.01 min

Lab File: BN007898.D

Acq: 30 Sep 2019 15:54

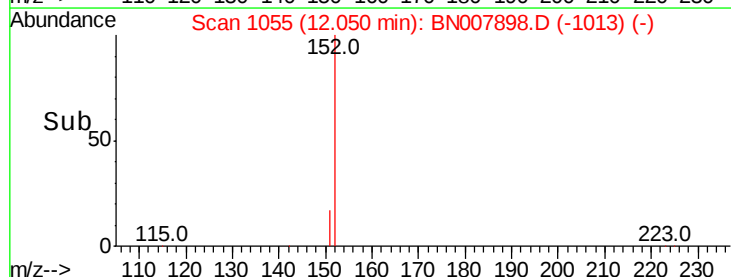
Tgt Ion:	152	Resp:	14204
Ion Ratio	Lower	Upper	
152	100		
151	19.2	15.4	23.2



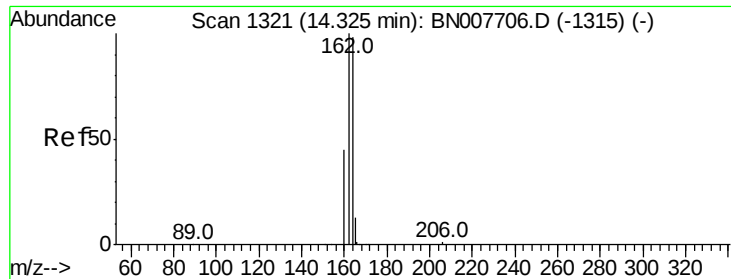
Abundance Ion 152.00 (151.70 to 152.70): BN007706.D (-1046) (-)

Ion 151.00 (150.70 to 151.70): BN007706.D (-1046) (-)

Time-->



Time-->



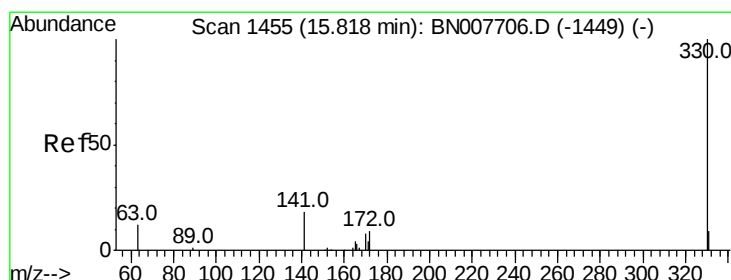
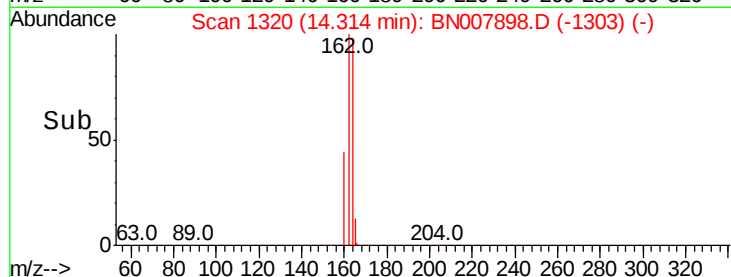
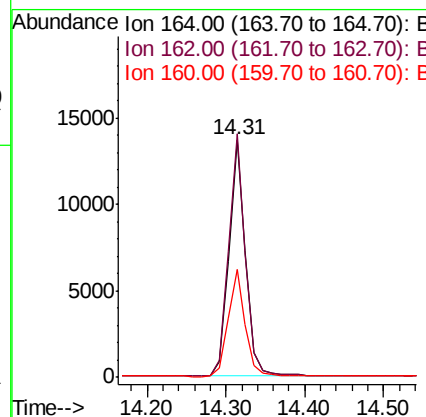
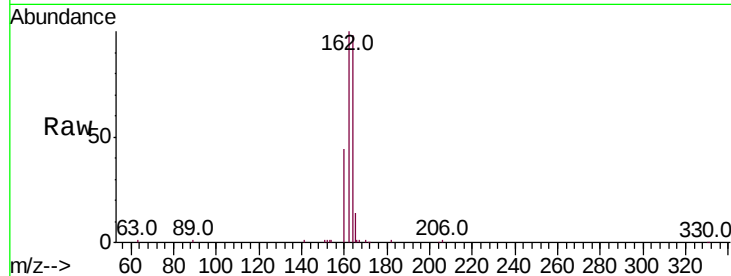
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BN007898.D
Acq: 30 Sep 2019 15:54

Instrument :
BNA_N
ClientSampleId :
PST-024-SW138-092519

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.4	81.7	122.5
160	45.4	37.0	55.4

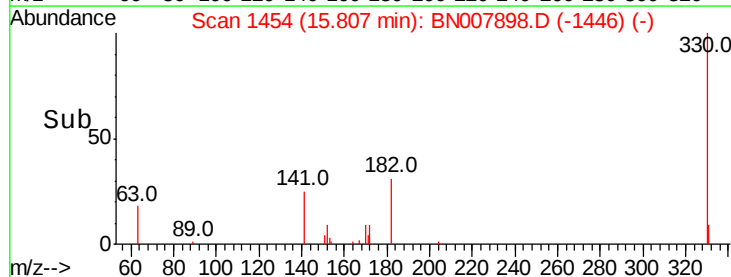
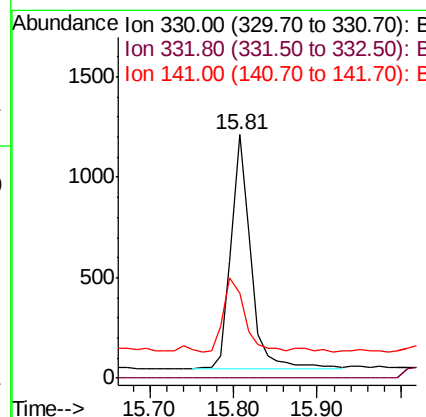
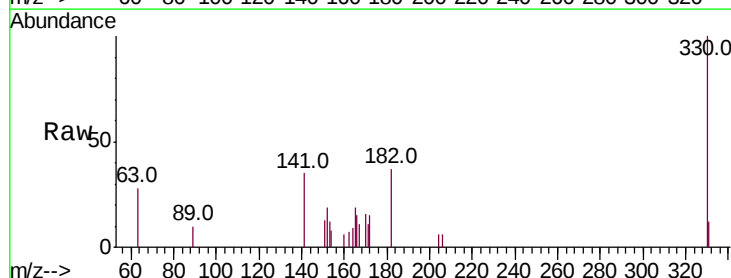
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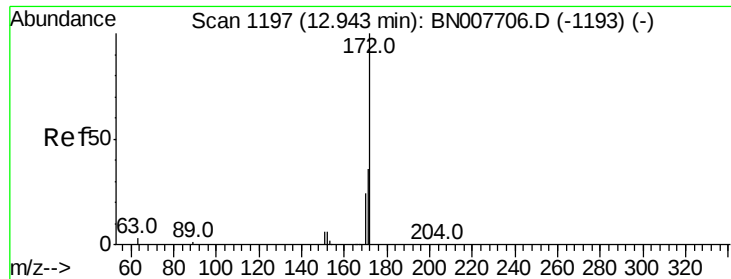
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#14
2,4,6-Tribromophenol
Concen: 0.168 ng
RT: 15.81 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BN007898.D
Acq: 30 Sep 2019 15:54

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	35.8	28.7	43.1





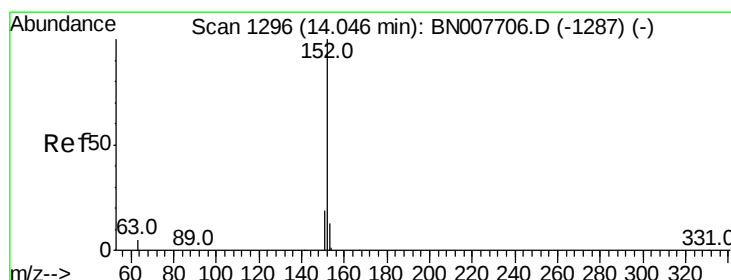
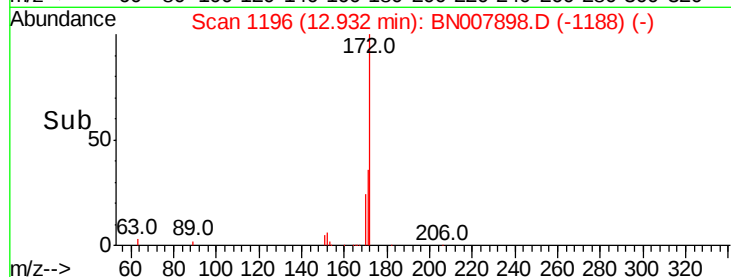
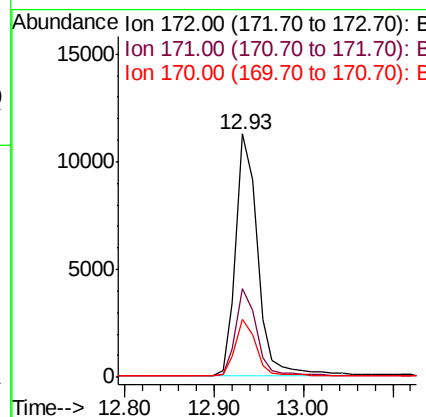
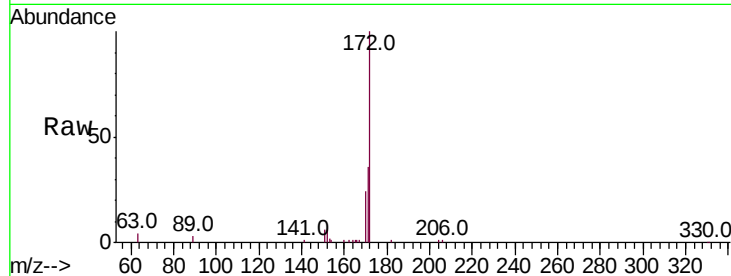
#15
2-Fluorobiphenyl
Concen: 0.229 ng
RT: 12.93 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BN007898.D
Acq: 30 Sep 2019 15:54

Instrument :
BNA_N
ClientSampleId :
PST-024-SW138-092519

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.8	43.2
170	24.0	19.5	29.3

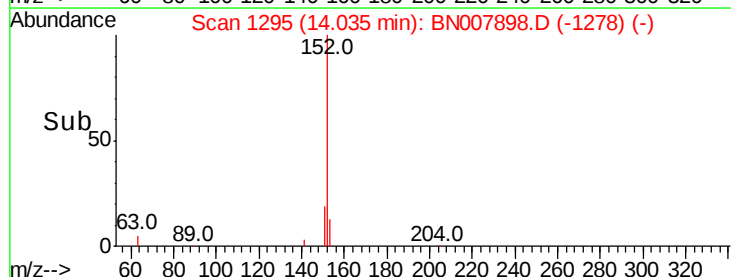
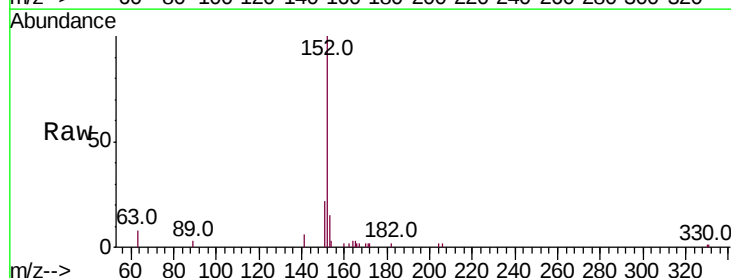
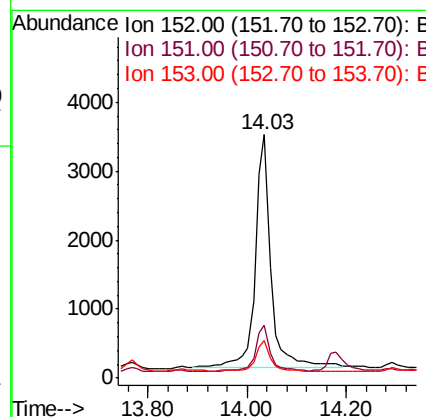
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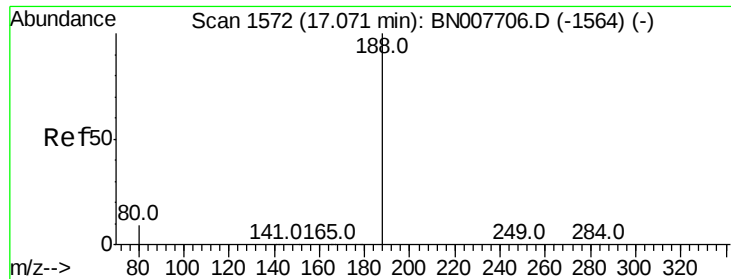
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#16
Acenaphthylene
Concen: 0.067 ng
RT: 14.03 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BN007898.D
Acq: 30 Sep 2019 15:54

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.5	23.3
153	12.2	10.4	15.6





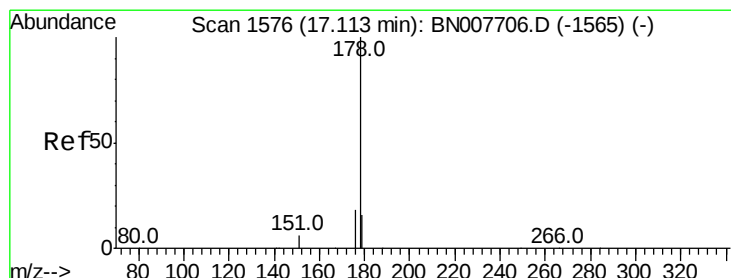
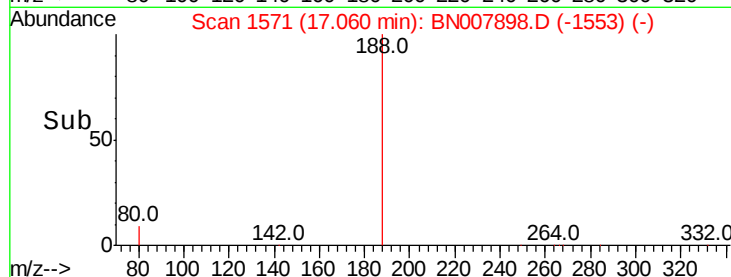
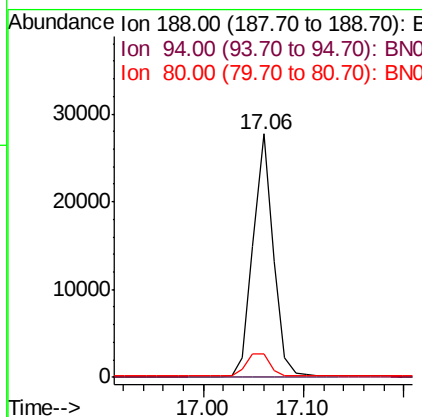
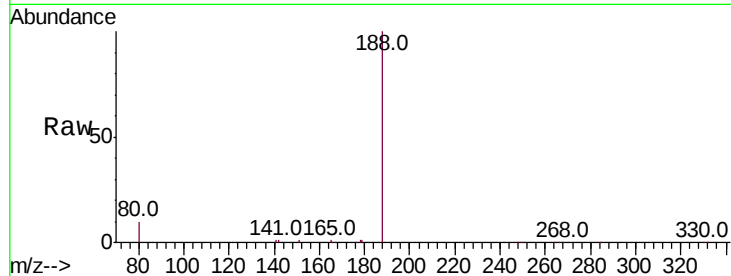
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.06 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BN007898.D
Acq: 30 Sep 2019 15:54

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PST-024-SW138-092519

Tot Ion	Ratio	Resp	Lower	Upper
188	100	38924		
94	0.0	0.0	0.0	0.0
80	9.7	7.4	11.2	

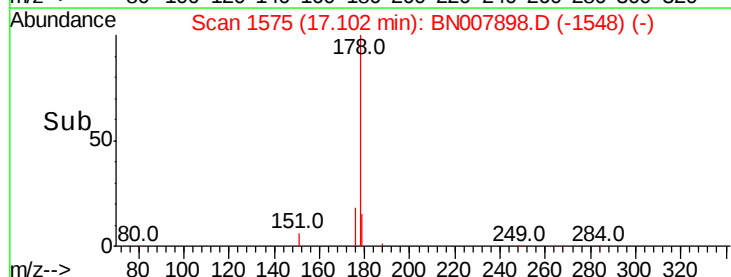
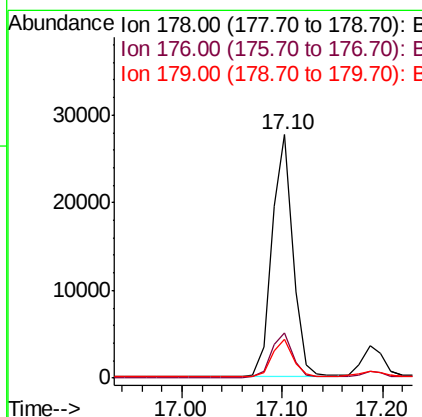
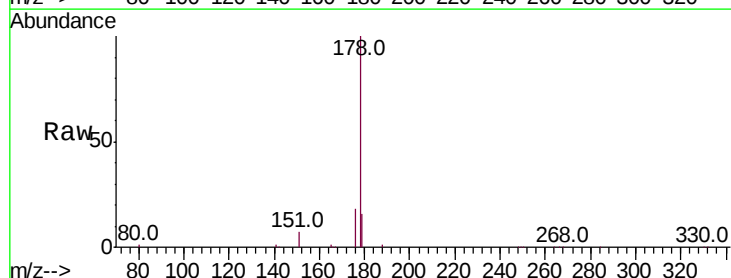
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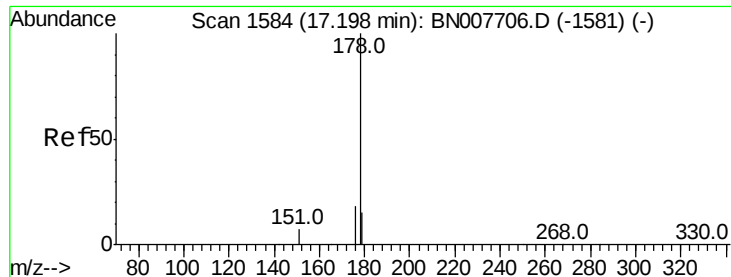
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#23
Phenanthrene
Concen: 0.330 ng
RT: 17.10 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BN007898.D
Acq: 30 Sep 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	39960		
176	18.6	14.9	22.3	
179	15.6	12.5	18.7	





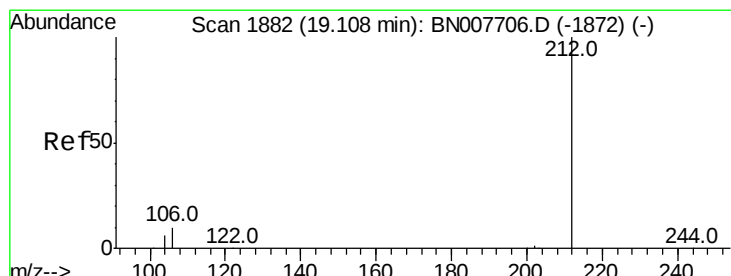
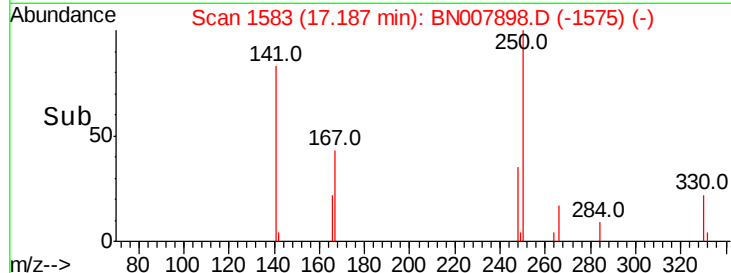
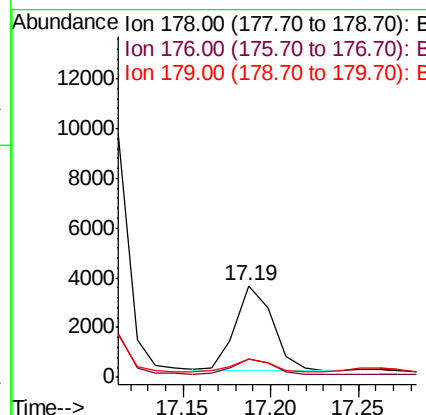
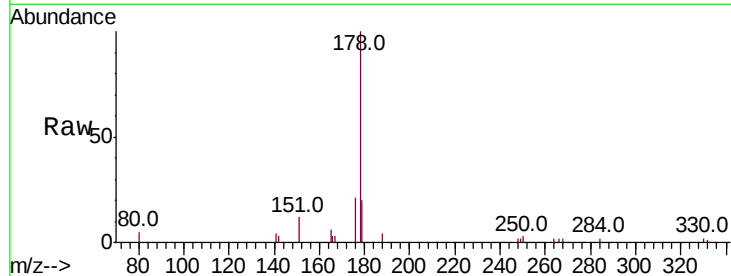
#24
 Anthracene
 Concen: 0.045 ng
 RT: 17.19 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BN007898.D
 Acq: 30 Sep 2019 15:54

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW138-092519

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.6	21.8
179	16.8	12.2	18.4

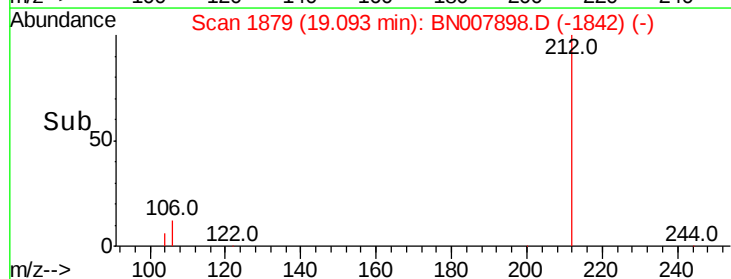
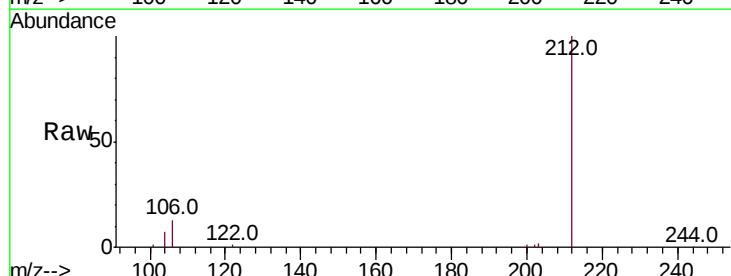
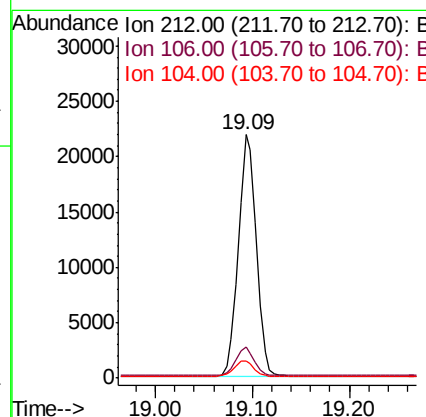
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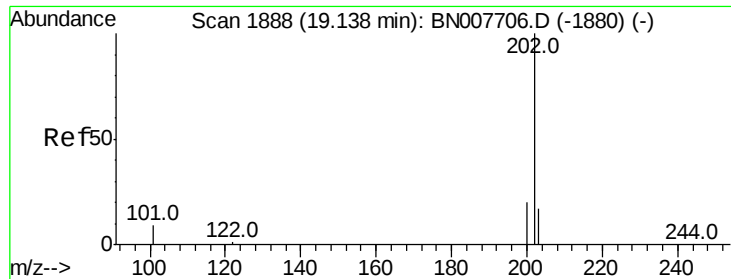
mohammad
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#25
 Fluoranthene-d10
 Concen: 0.216 ng
 RT: 19.09 min Scan# 1879
 Delta R.T. -0.01 min
 Lab File: BN007898.D
 Acq: 30 Sep 2019 15:54

Tgt Ion	Ratio	Lower	Upper
212	100		
106	11.8	9.4	14.0
104	6.7	5.3	7.9





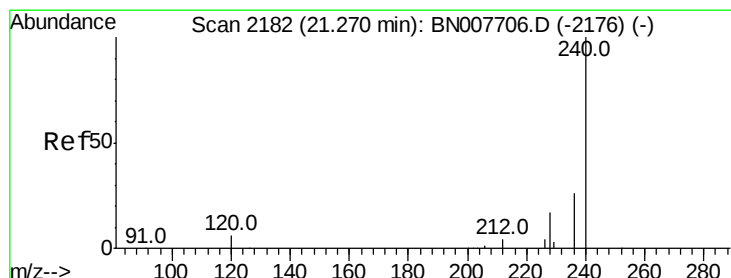
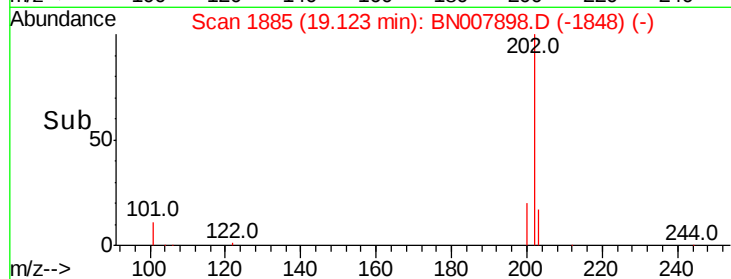
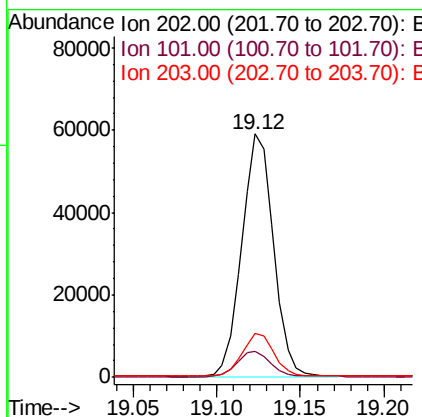
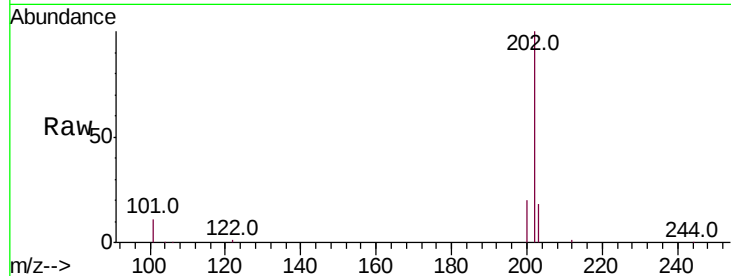
#26
 Fluoranthene
 Concen: 0.516 ng
 RT: 19.12 min Scan# 1885
 Delta R.T. -0.02 min
 Lab File: BN007898.D
 Acq: 30 Sep 2019 15:54

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW138-092519

Tot Ion	Ratio	Resp	Lower	Upper
202	100	77793		
101	11.2		8.4	12.6
203	17.6		13.8	20.8

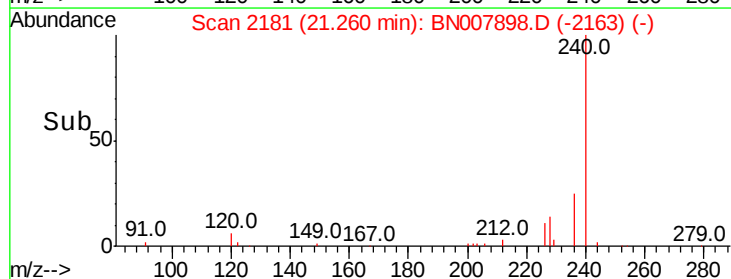
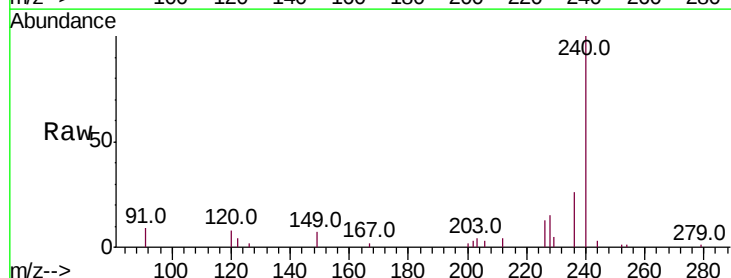
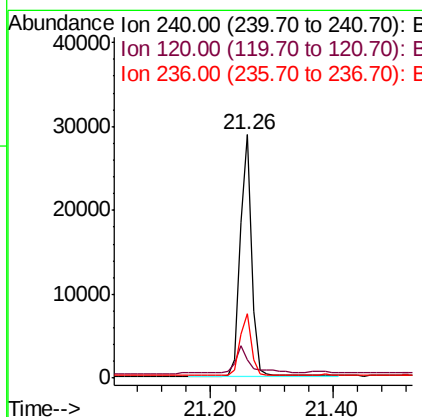
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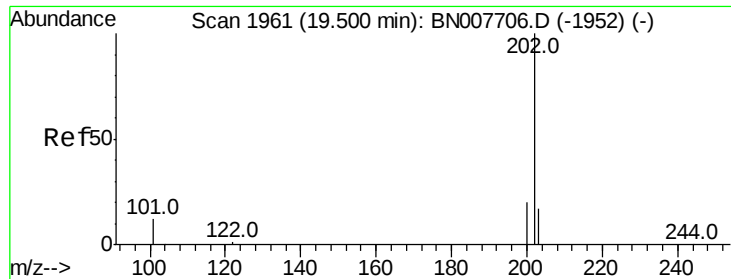
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.26 min Scan# 2181
 Delta R.T. -0.01 min
 Lab File: BN007898.D
 Acq: 30 Sep 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	37576		
120	7.7		5.4	8.2
236	26.3		21.0	31.4





#28

Pvrene

Concen: 0.531 ng

RT: 19.49 min Scan# 1958

Delta R.T. -0.02 min

Lab File: BN007898.D

Acq: 30 Sep 2019 15:54

Instrument :

BNA_N

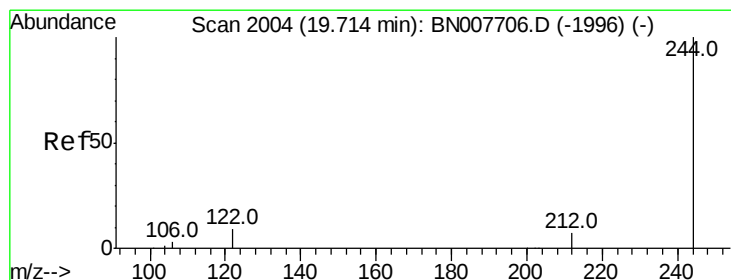
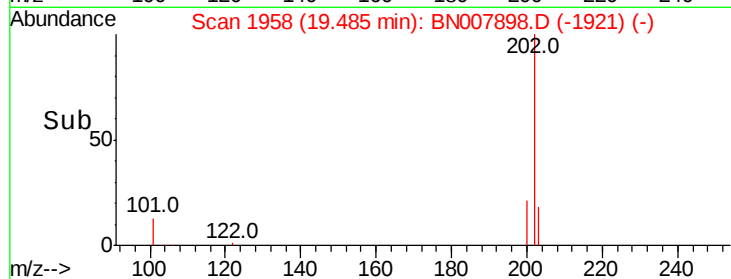
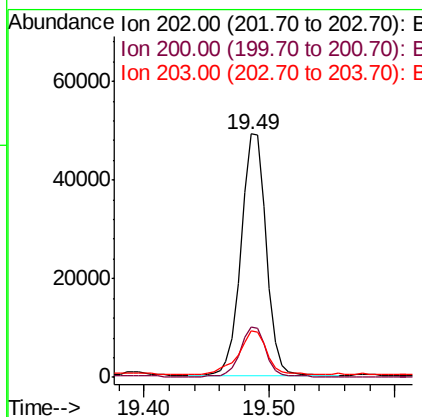
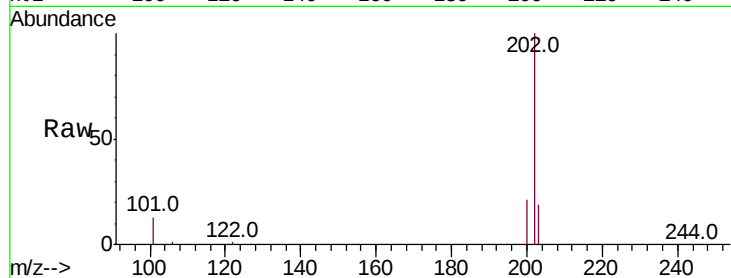
ClientSampleId :

PST-024-SW138-092519

Tot Ion:	202	Resp:	68053
Ion Ratio	Lower	Upper	
202	100		
200	20.5	16.4	24.6
203	20.4	14.1	21.1

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#29

Terphenyl-d14

Concen: 0.244 ng

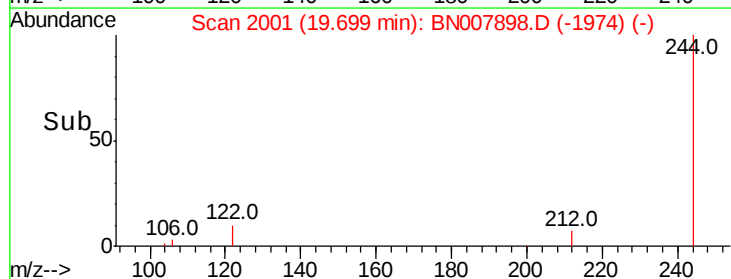
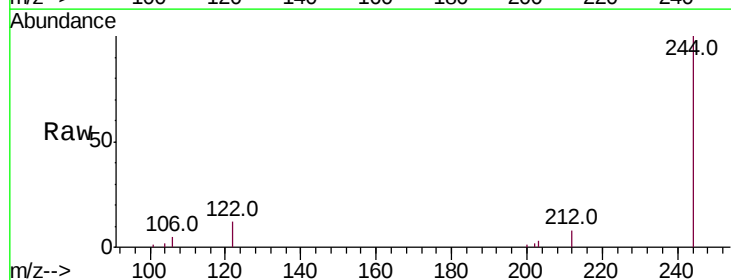
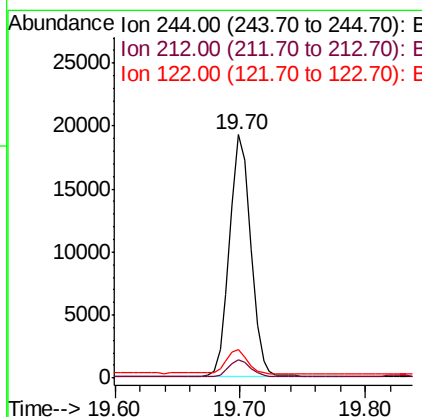
RT: 19.70 min Scan# 2001

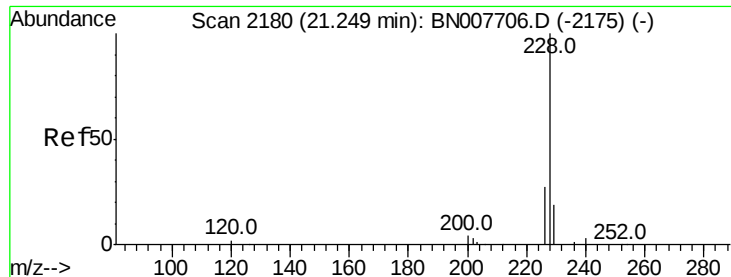
Delta R.T. -0.01 min

Lab File: BN007898.D

Acq: 30 Sep 2019 15:54

Tgt Ion:	244	Resp:	22526
Ion Ratio	Lower	Upper	
244	100		
212	7.6	5.9	8.9
122	11.7	7.4	11.2#





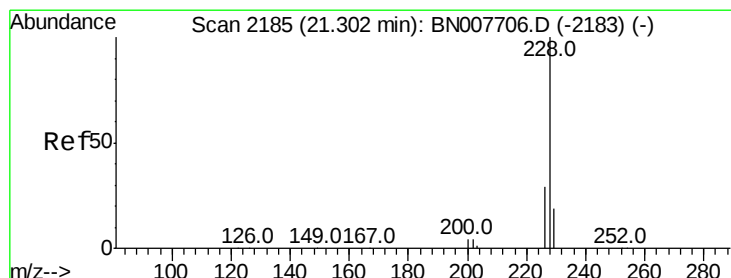
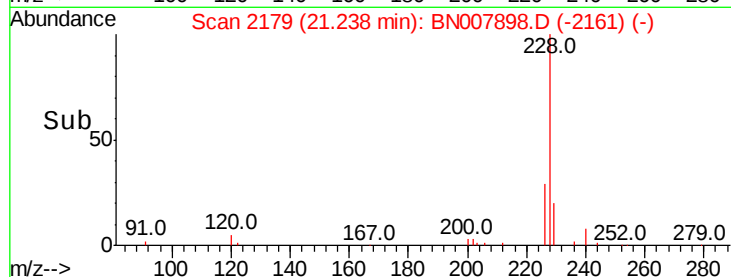
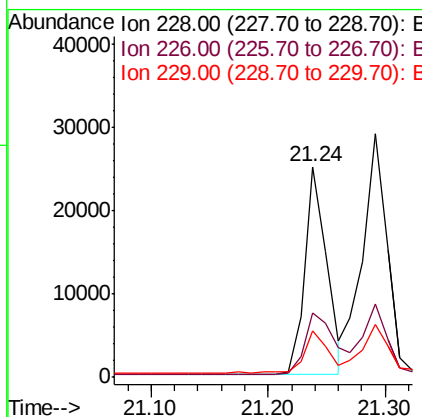
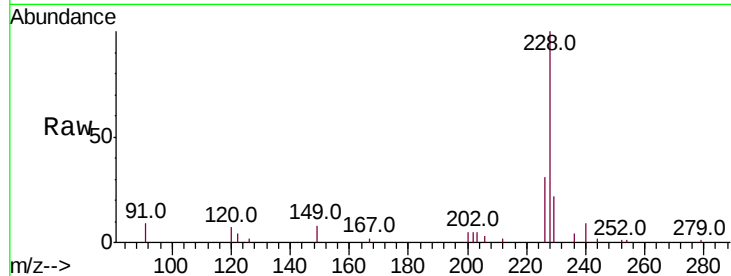
#30
Benzo(a)anthracene
Concen: 0.237 ng
RT: 21.24 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BN007898.D
Acq: 30 Sep 2019 15:54

Instrument :
BNA_N
ClientSampleId :
PST-024-SW138-092519

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.1	33.1
229	21.8	15.8	23.6

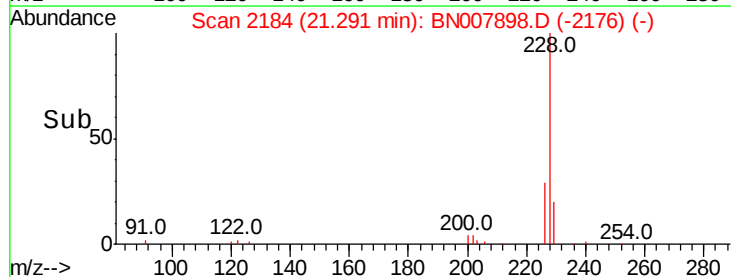
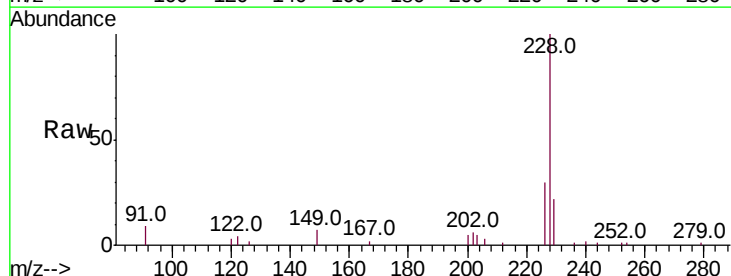
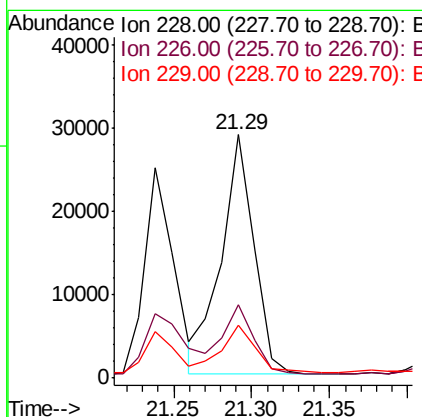
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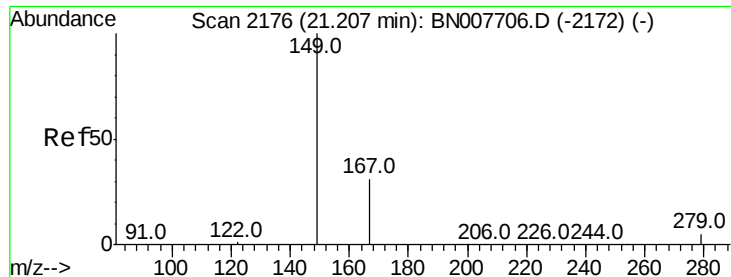
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#31
Chrysene
Concen: 0.311 ng
RT: 21.29 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BN007898.D
Acq: 30 Sep 2019 15:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.9	35.9
229	21.7	15.8	23.6





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.187 ng

RT: 21.19 min Scan# 2174

Delta R.T. -0.02 min

Lab File: BN007898.D

Acq: 30 Sep 2019 15:54

Instrument :

BNA_N

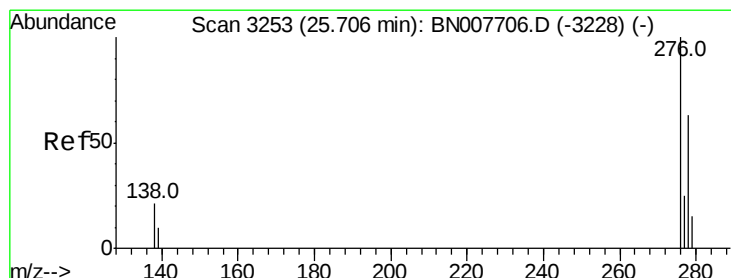
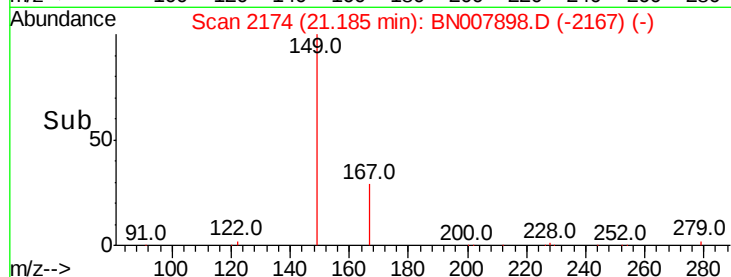
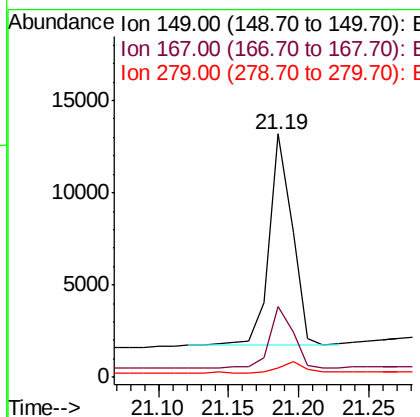
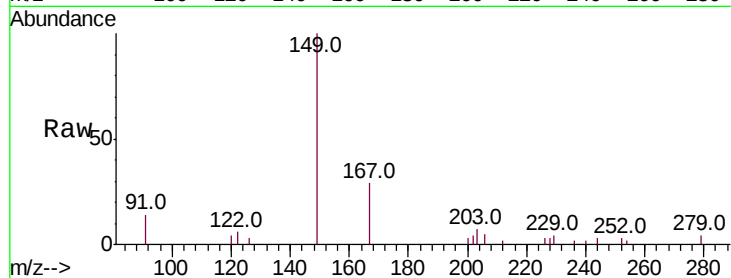
ClientSampleId :

PST-024-SW138-092519

Tot Ion:	149	Resp:	13280
Ion Ratio	Lower	Upper	
149	100		
167	30.1	23.7	35.5
279	6.1	4.2	6.2

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.181 ng

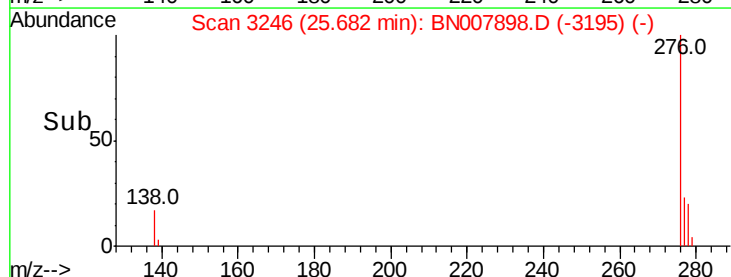
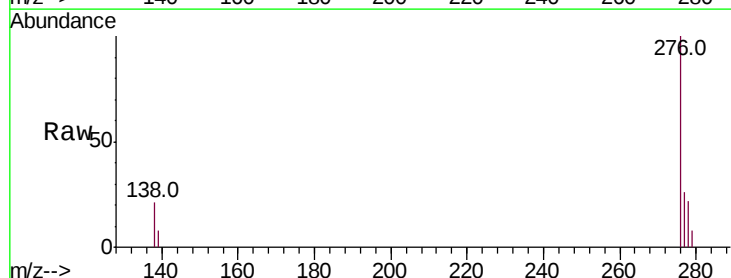
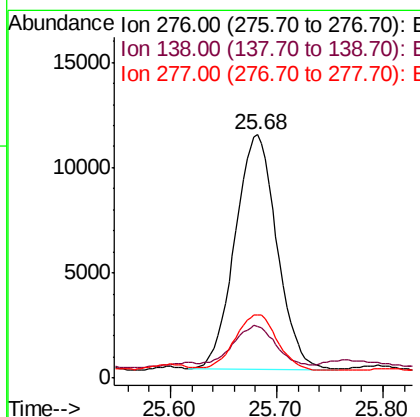
RT: 25.68 min Scan# 3246

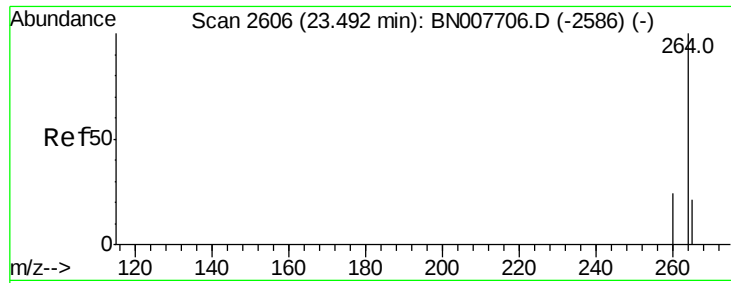
Delta R.T. -0.02 min

Lab File: BN007898.D

Acq: 30 Sep 2019 15:54

Tgt Ion:	276	Resp:	30511
Ion Ratio	Lower	Upper	
276	100		
138	18.5	17.1	25.7
277	24.2	20.0	30.0





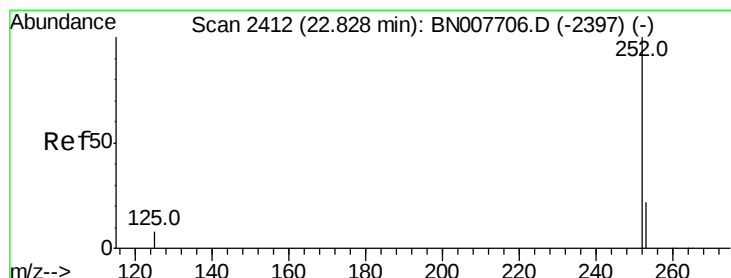
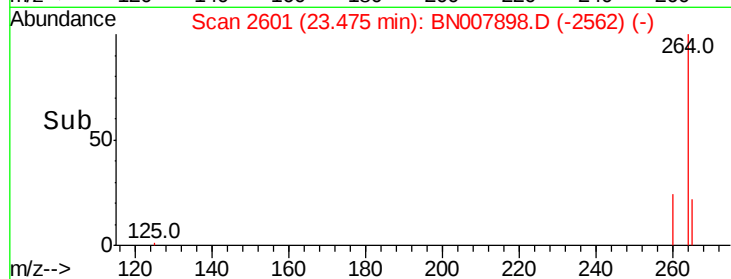
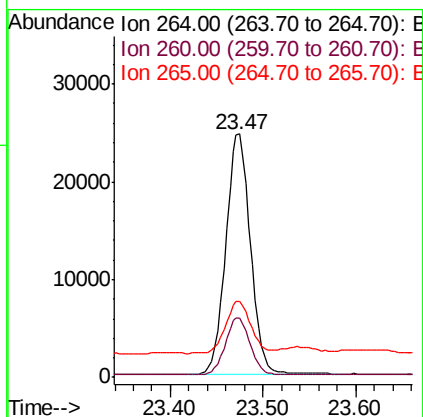
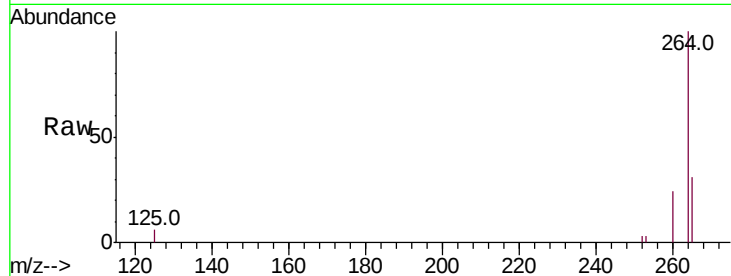
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.47 min Scan# 2601
Delta R.T. -0.02 min
Lab File: BN007898.D
Acq: 30 Sep 2019 15:54

Instrument :
BNA_N
ClientSampleId :
PST-024-SW138-092519

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.3	28.9
265	31.3	26.9	40.3

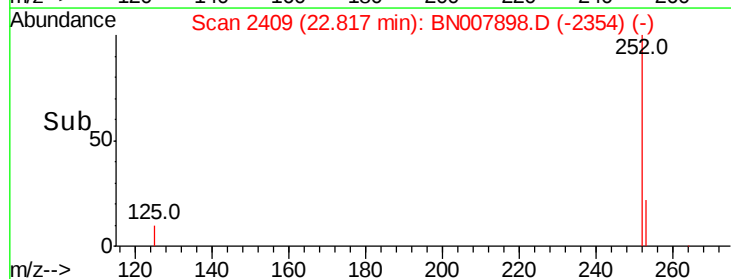
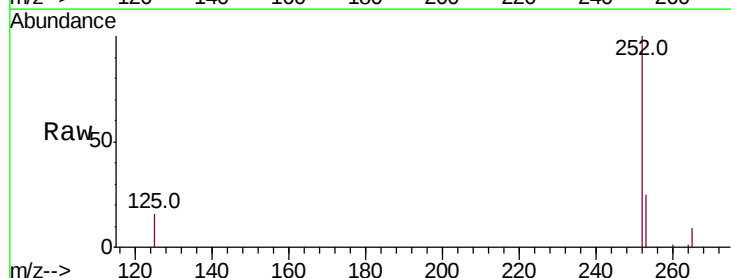
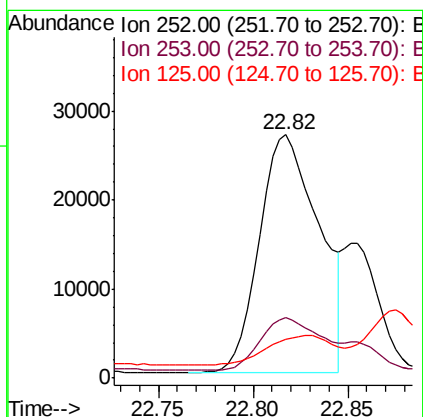
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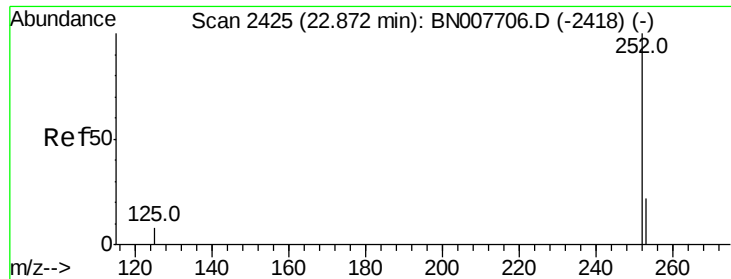
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#35
Benzo(b)fluoranthene
Concen: 0.364 ng
RT: 22.82 min Scan# 2409
Delta R.T. -0.01 min
Lab File: BN007898.D
Acq: 30 Sep 2019 15:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.3	27.5
125	16.0	8.2	12.4





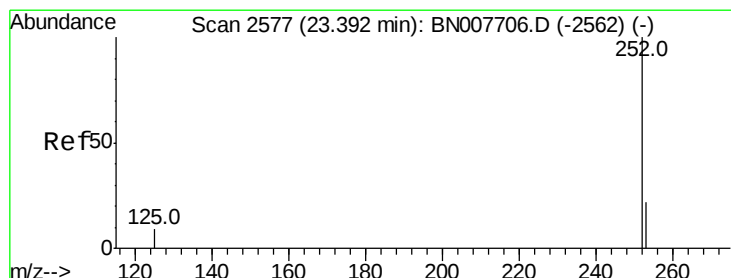
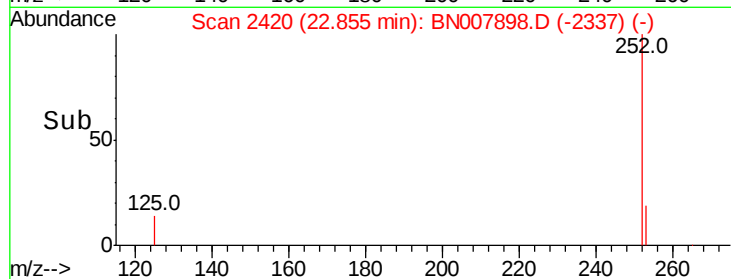
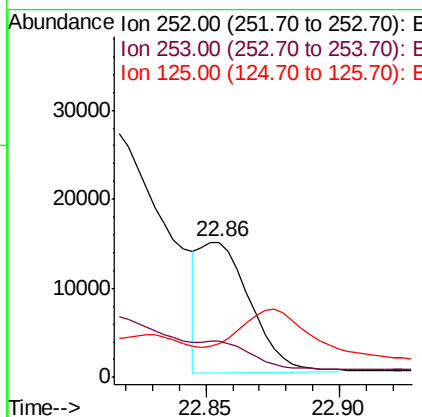
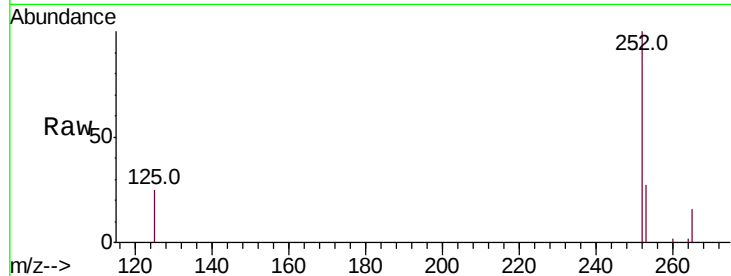
#36
Benzo(k)fluoranthene
Concen: 0.124 ng m
RT: 22.86 min Scan# 2420
Delta R.T. -0.02 min
Lab File: BN007898.D
Acq: 30 Sep 2019 15:54

Instrument :
BNA_N
ClientSampleId :
PST-024-SW138-092519

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.7	18.5	27.7
125	25.2	8.4	12.6

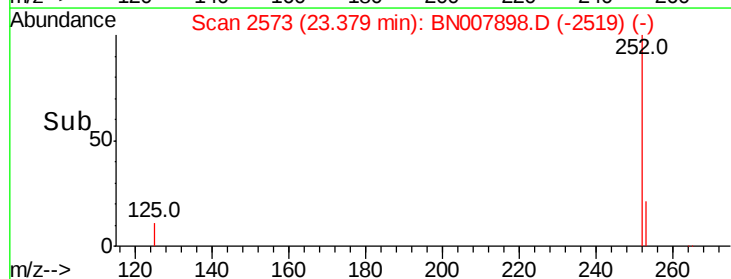
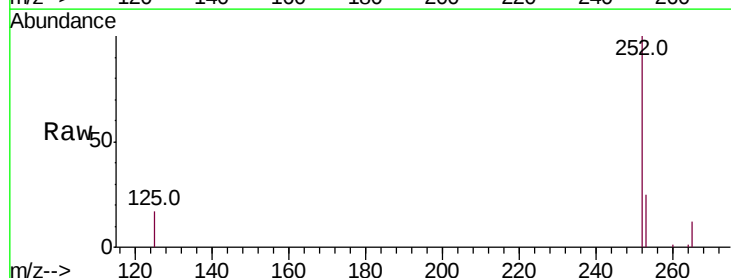
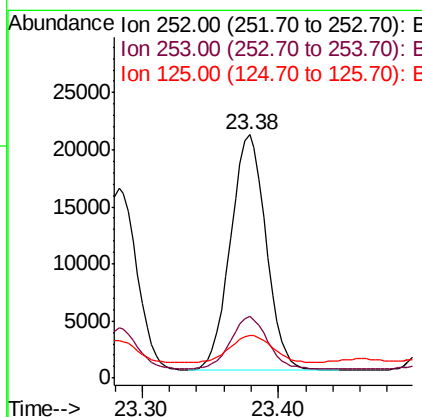
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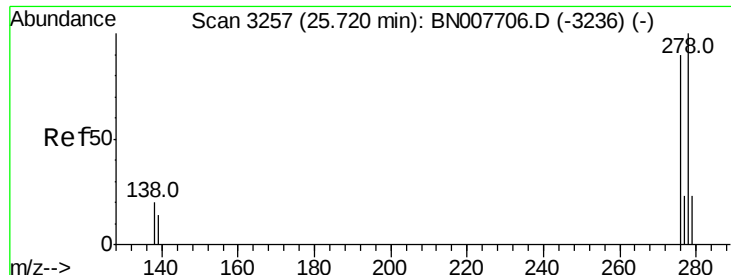
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#37
Benzo(a)pyrene
Concen: 0.248 ng
RT: 23.38 min Scan# 2573
Delta R.T. -0.01 min
Lab File: BN007898.D
Acq: 30 Sep 2019 15:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.6	27.8
125	17.4	9.4	14.0





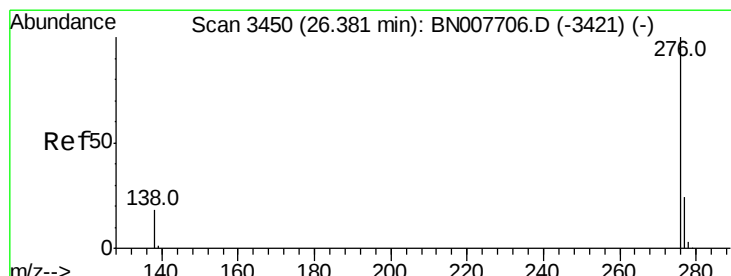
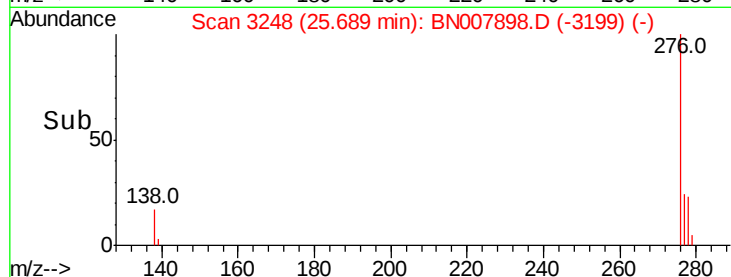
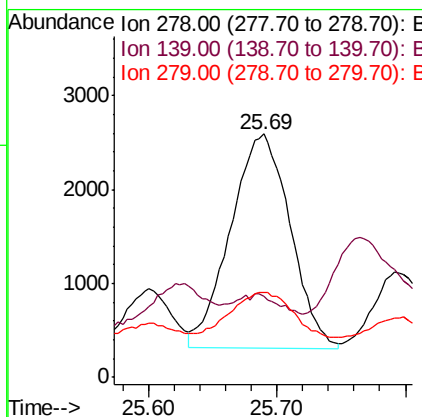
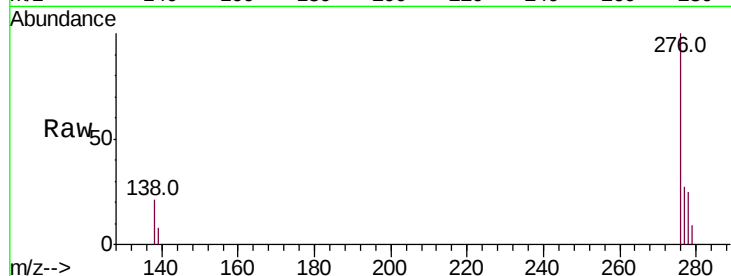
#38
Dibenzo(a,h)anthracene
Concen: 0.048 ng
RT: 25.69 min Scan# 3248
Delta R.T. -0.03 min
Lab File: BN007898.D
Acq: 30 Sep 2019 15:54

Instrument :
BNA_N
ClientSampleId :
PST-024-SW138-092519

Tot Ion	Ratio	Lower	Upper
278	100		
139	33.3	11.8	17.6#
279	34.8	19.4	29.2#

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#39
Benzo(g,h,i)perylene
Concen: 0.198 ng
RT: 26.36 min Scan# 3443
Delta R.T. -0.02 min
Lab File: BN007898.D
Acq: 30 Sep 2019 15:54

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.4	19.8	29.8
138	22.2	15.1	22.7

