

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032419\
 Data File : BN004938.D
 Acq On : 24 Mar 2019 14:40
 Operator : JU/SJ
 Sample : K2015-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-072-B155-031919

Manual Integrations
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 3/26/2019 6:33:46 PM

Quant Time: Mar 25 03:52:44 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN032019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Mar 20 16:06:20 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	3307	0.40	ng	-0.02
7) Naphthalene-d8	10.47	136	13421	0.40	ng	-0.03
13) Acenaphthene-d10	14.32	164	7286	0.40	ng	-0.02
19) Phenanthrene-d10	17.08	188	16012	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	16661	0.40	ng	-0.01
34) Perylene-d12	23.52	264	16855	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.28	112	2915	0.32	ng	0.00
5) Phenol-d6	6.86	99	3694	0.33	ng	-0.02
8) Nitrobenzene-d5	8.84	82	2978	0.34	ng	-0.03
11) 2-Methylnaphthalene-d10	12.06	152	6538	0.28	ng	-0.02
14) 2,4,6-Tribromophenol	15.83	330	1435	0.29	ng	-0.02
15) 2-Fluorobiphenyl	12.94	172	8784	0.29	ng	-0.02
25) Fluoranthene-d10	19.12	212	13003	0.24	ng	-0.01
29) Terphenyl-d14	19.71	244	8568	0.25	ng	-0.01

Target Compounds

						Qvalue
16) Acenaphthylene	14.04	152	1186	0.032	ng	99
23) Phenanthrene	17.12	178	5843	0.113	ng	97
24) Anthracene	17.22	178	999	0.022	ng	98
26) Fluoranthene	19.15	202	8936	0.134	ng	# 92
28) Pyrene	19.51	202	9980	0.196	ng	# 94
30) Benzo(a)anthracene	21.26	228	4898	0.090	ng	# 71
31) Chrysene	21.31	228	6408	0.111	ng	# 78
32) Bis(2-ethylhexyl)phthalate	21.17	149	9924	0.455	ng	99
33) Indeno(1,2,3-cd)pyrene	25.79	276	4588	0.055	ng	# 96
35) Benzo(b)fluoranthene	22.85	252	8137	0.133	ng	# 13
36) Benzo(k)fluoranthene	22.89	252	3627m	0.060	ng	
37) Benzo(a)pyrene	23.42	252	4732	0.085	ng	# 8
39) Benzo(g,h,i)perylene	26.49	276	5052	0.077	ng	# 57

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

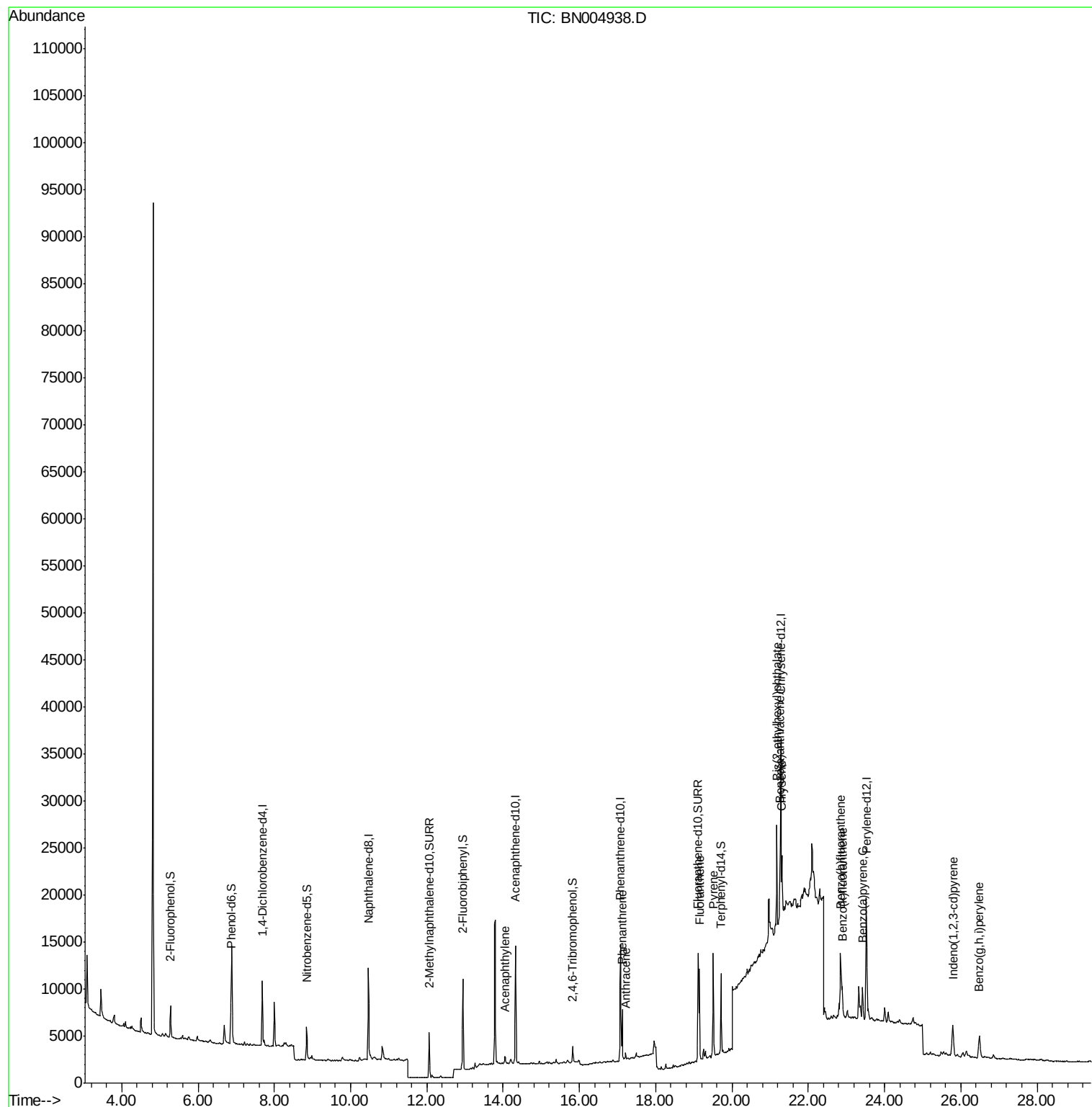
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032419\
Data File : BN004938.D
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Operator : JU/SJ
Sample : K2015-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

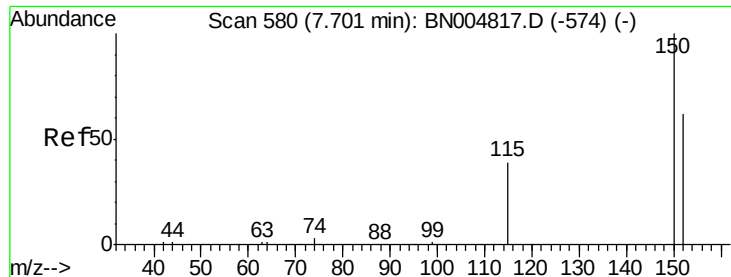
Instrument :
BNA_N
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PST-072-B155-031919

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#1

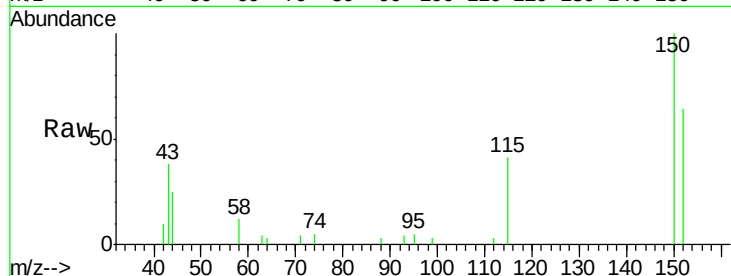
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.68 min Scan# 578
Delta R.T. -0.02 min
Lab File: BN004938.D
Acq: 24 Mar 2019 14:40

Instrument :
BNA_N
ClientSampleId :
PST-072-B155-031919

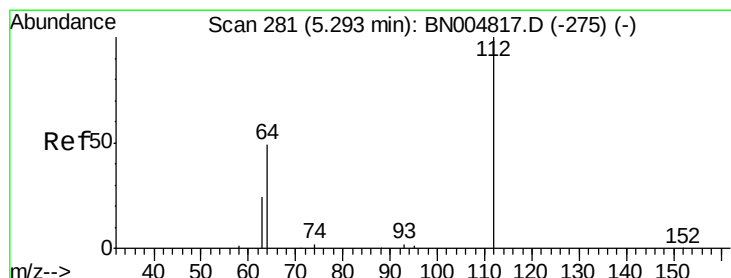
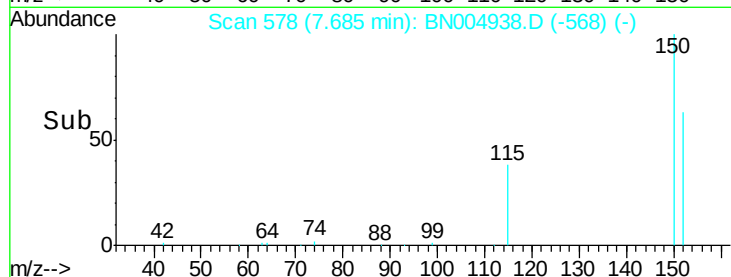
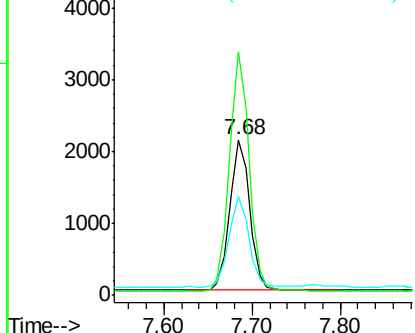
Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.4	126.2	189.4
115	63.7	52.6	79.0

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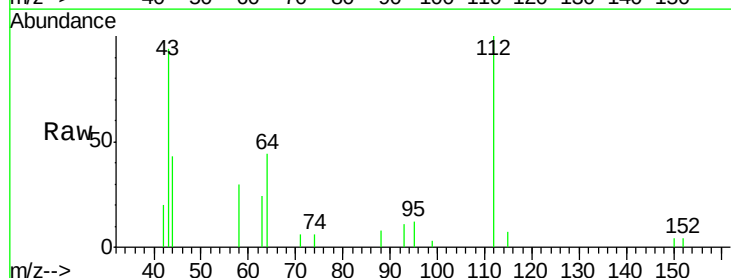
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



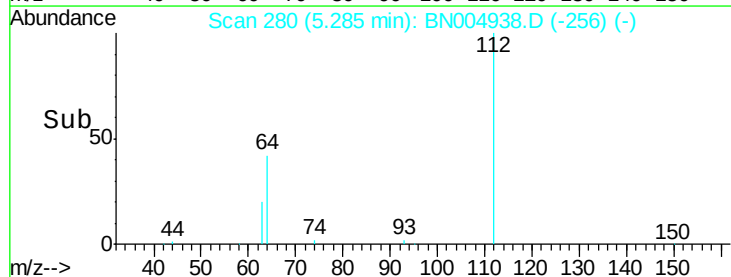
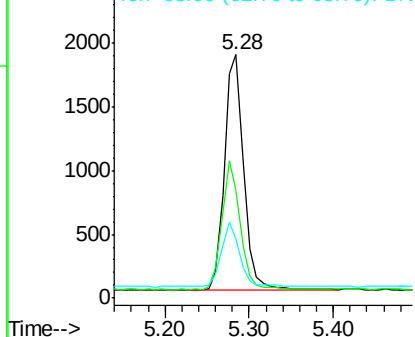
#4

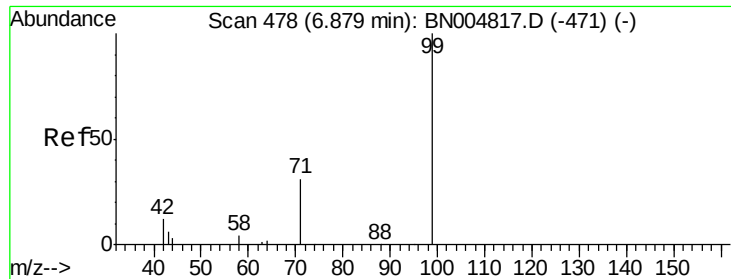
2-Fluorophenol
Concen: 0.324 ng
RT: 5.28 min Scan# 280
Delta R.T. -0.01 min
Lab File: BN004938.D
Acq: 24 Mar 2019 14:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.0	40.0	60.0
63	26.3	20.2	30.2



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: 0.330 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004938.D

Acq: 24 Mar 2019 14:40

Instrument :

BNA_N

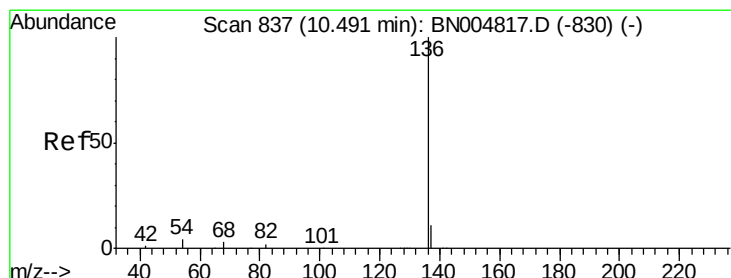
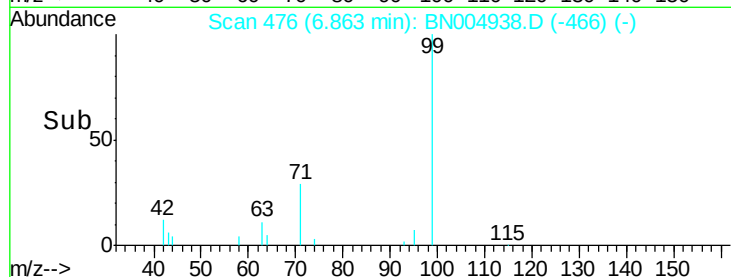
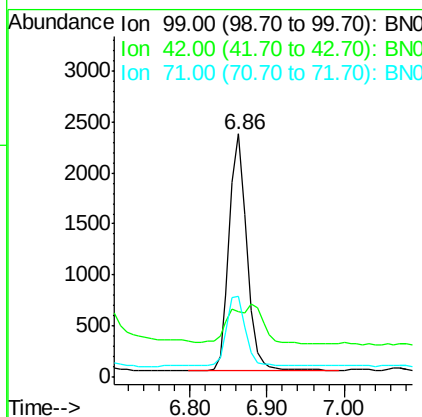
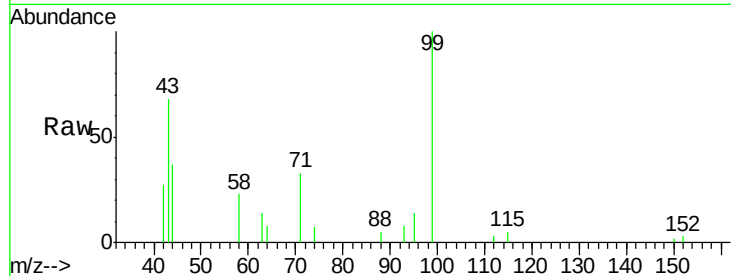
ClientSampleId :

PST-072-B155-031919

Tgt Ion:	99	Resp:	3694
Ion Ratio	Lower	Upper	
99	100		
42	30.7	12.7	19.1#
71	31.9	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

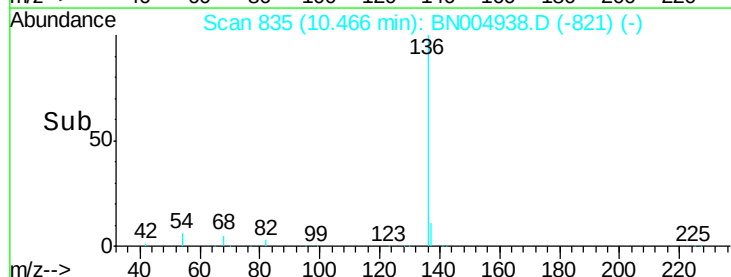
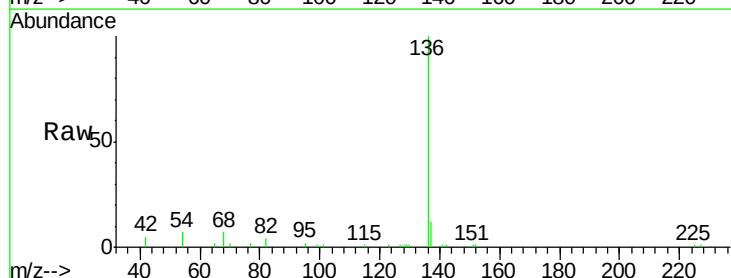
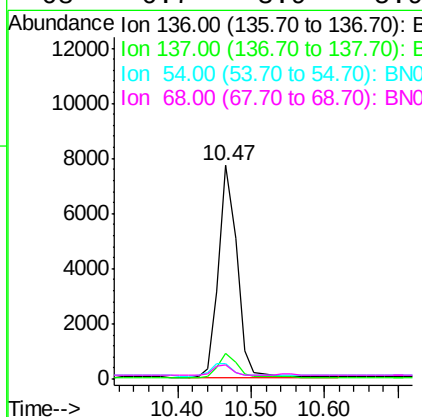
RT: 10.47 min Scan# 835

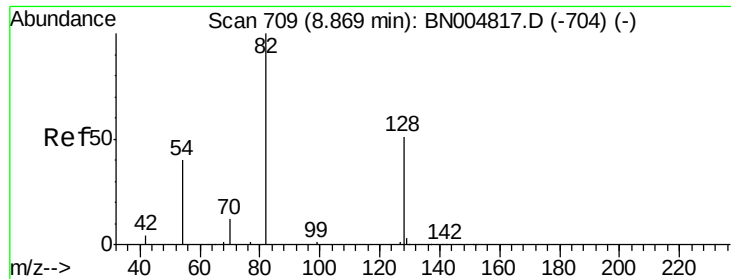
Delta R.T. -0.03 min

Lab File: BN004938.D

Acq: 24 Mar 2019 14:40

Tgt Ion:	136	Resp:	13421
Ion Ratio	Lower	Upper	
136	100		
137	11.9	9.6	14.4
54	7.3	4.2	6.2#
68	6.7	3.9	5.9#





#8

Nitrobenzene-d5

Concen: 0.335 ng

RT: 8.84 min Scan# 707

Delta R.T. -0.03 min

Lab File: BN004938.D

Acq: 24 Mar 2019 14:40

Instrument :

BNA_N

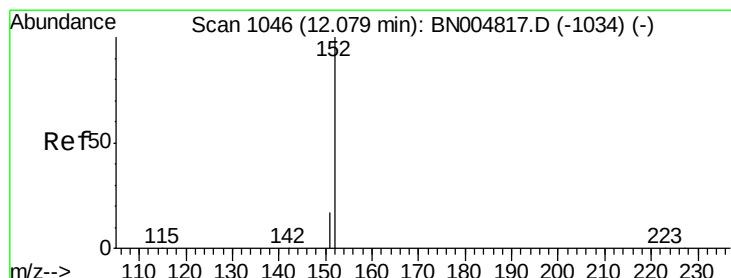
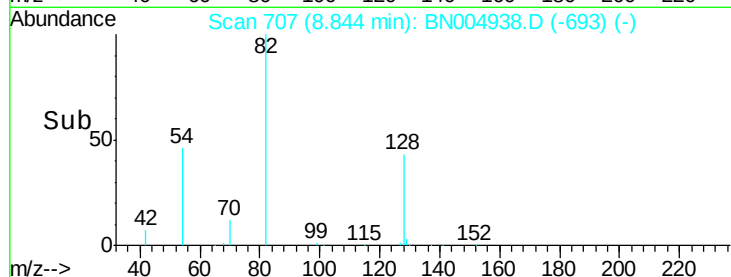
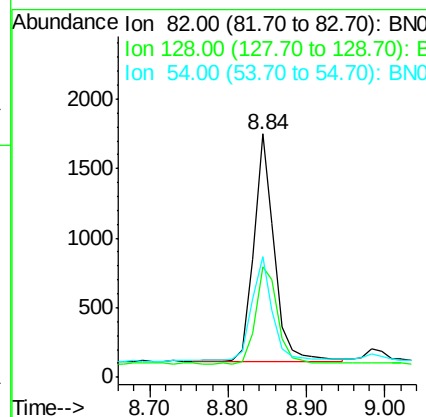
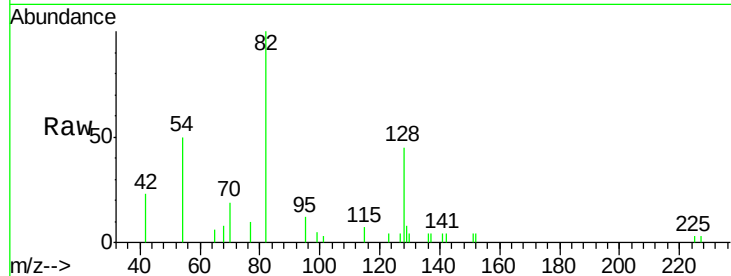
ClientSampleId :

PST-072-B155-031919

Tgt Ion:	82	Resp:	2978
Ion Ratio	Lower	Upper	
82	100		
128	45.4	43.0	64.6
54	49.8	35.3	52.9

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#11

2-Methylnaphthalene-d10

Concen: 0.279 ng

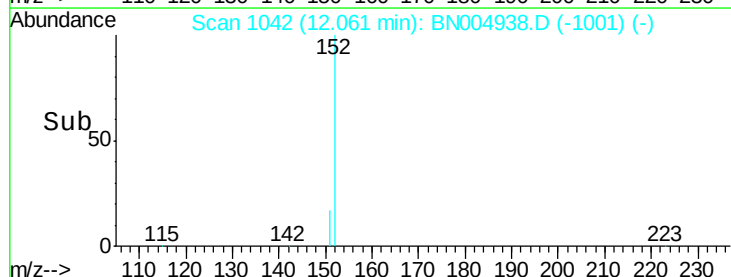
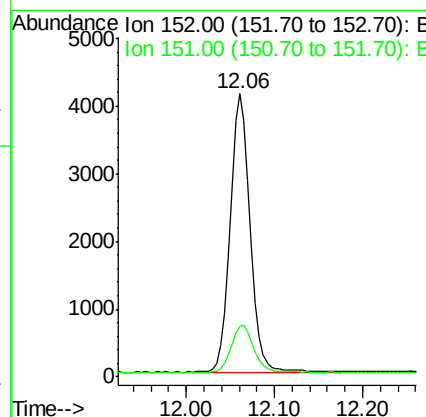
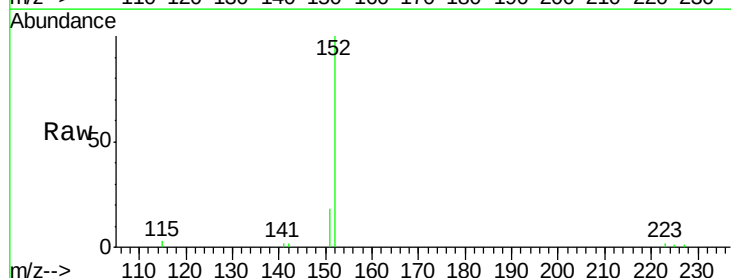
RT: 12.06 min Scan# 1042

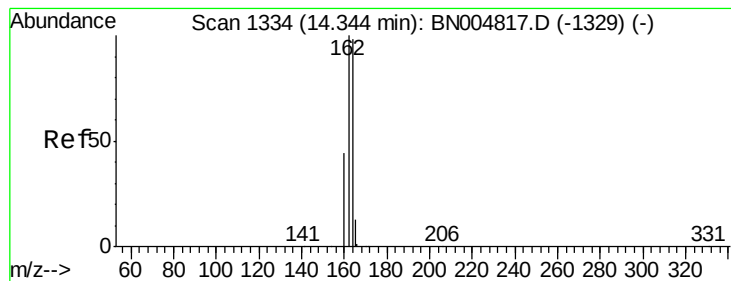
Delta R.T. -0.02 min

Lab File: BN004938.D

Acq: 24 Mar 2019 14:40

Tgt Ion:	152	Resp:	6538
Ion Ratio	Lower	Upper	
152	100		
151	19.1	15.5	23.3





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.32 min Scan# 1332

Delta R.T. -0.02 min

Lab File: BN004938.D

Acq: 24 Mar 2019 14:40

Instrument :

BNA_N

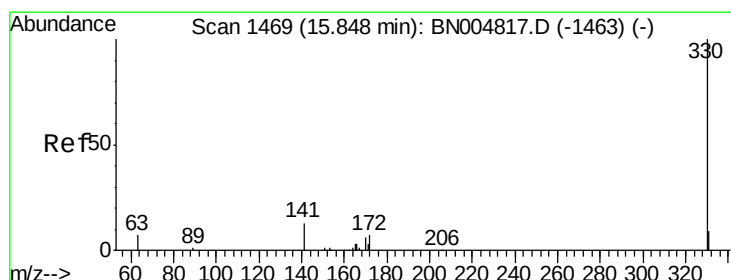
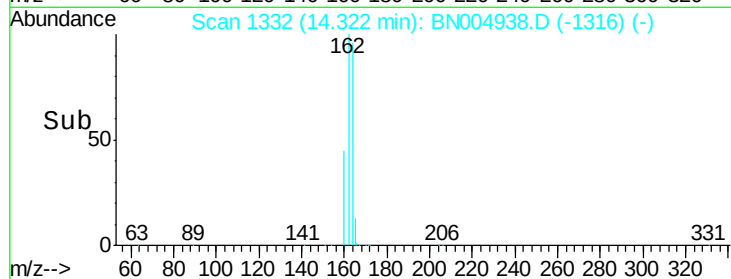
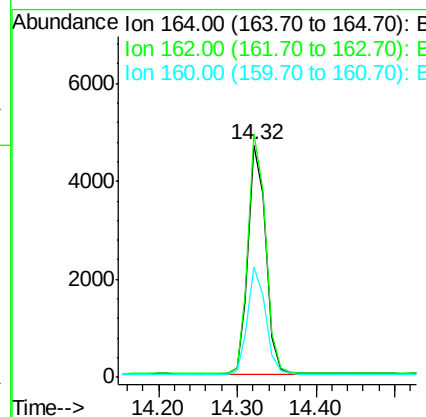
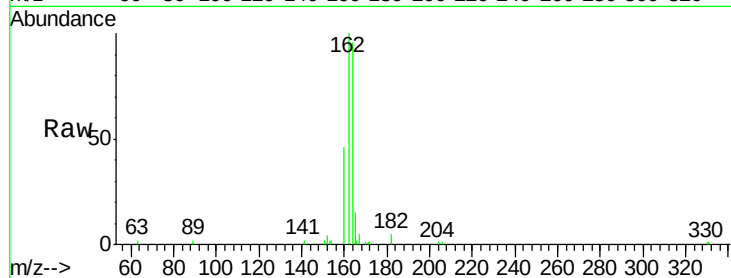
ClientSampled :

PST-072-B155-031919

Tgt Ion:	164	Resp:	7286
Ion Ratio	Lower	Upper	
164	100		
162	104.6	81.9	122.9
160	47.7	36.6	54.8

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#14

2,4,6-Tribromophenol

Concen: 0.285 ng

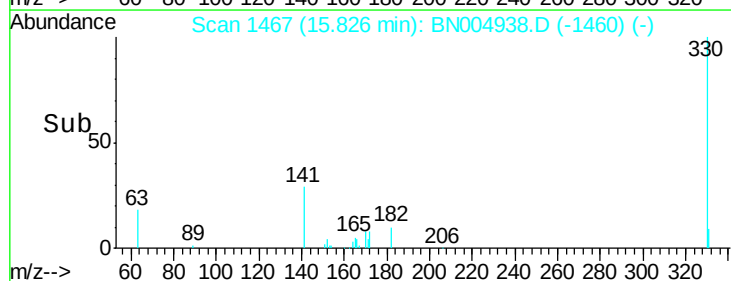
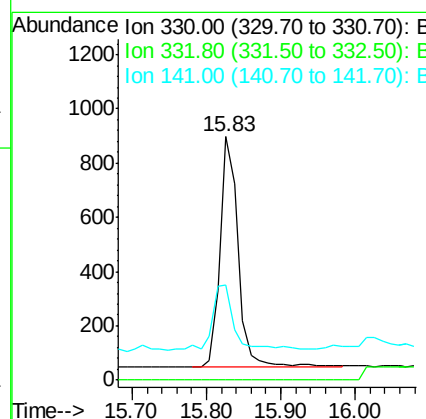
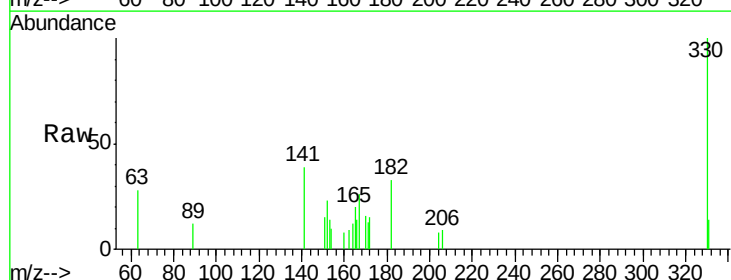
RT: 15.83 min Scan# 1467

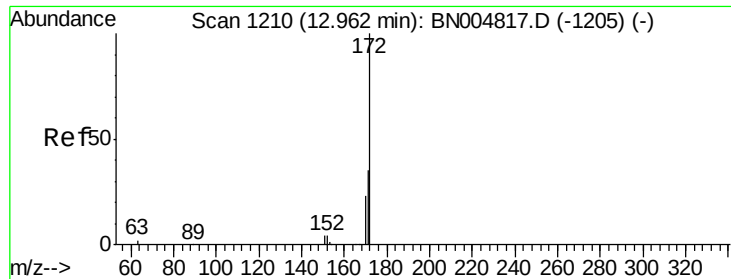
Delta R.T. -0.02 min

Lab File: BN004938.D

Acq: 24 Mar 2019 14:40

Tgt Ion:	330	Resp:	1435
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	34.2	20.9	31.3#





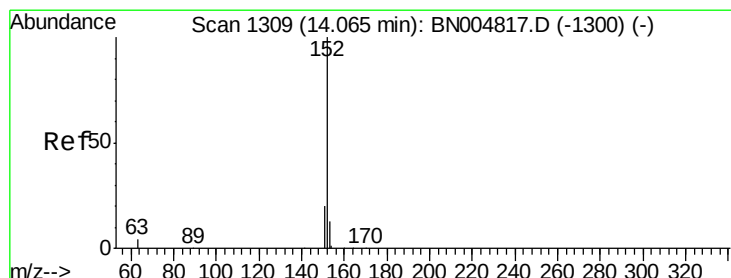
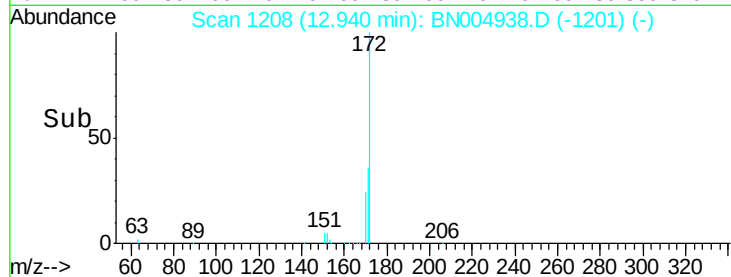
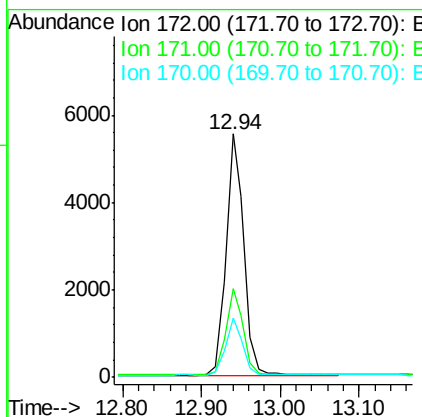
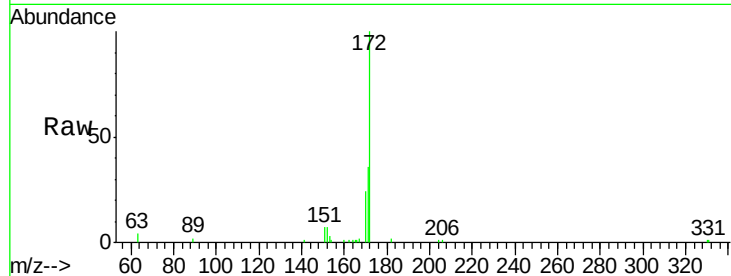
#15
2-Fluorobiphenyl
Concen: 0.292 ng
RT: 12.94 min Scan# 1208
Delta R.T. -0.02 min
Lab File: BN004938.D
Acq: 24 Mar 2019 14:40

Instrument :
BNA_N
ClientSampleId :
PST-072-B155-031919

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.7	43.1
170	24.2	18.7	28.1

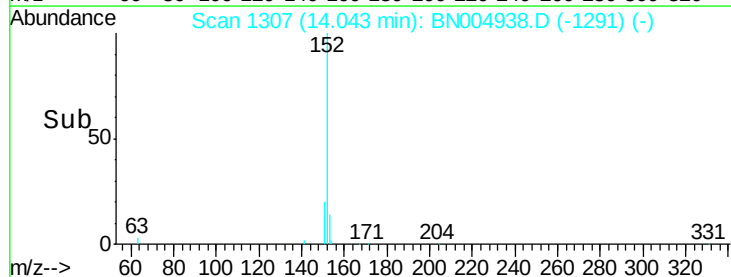
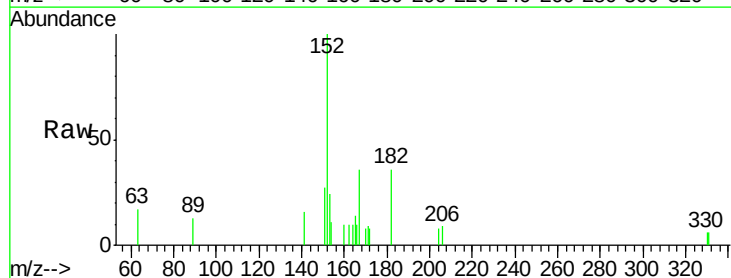
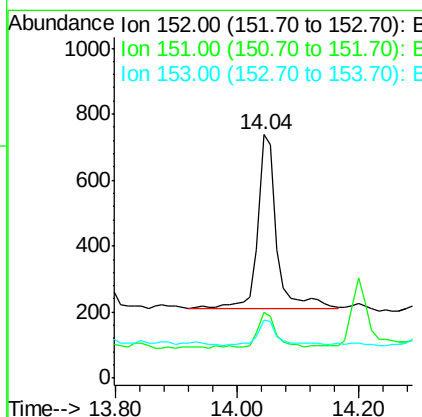
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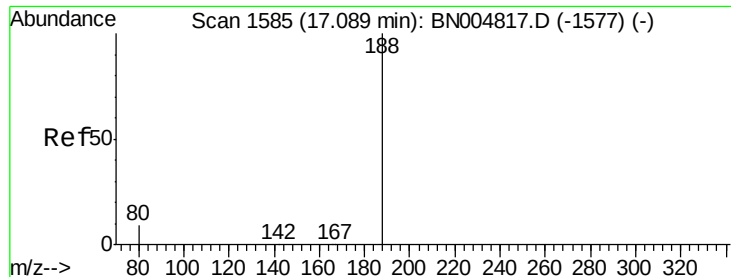
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#16
Acenaphthylene
Concen: 0.032 ng
RT: 14.04 min Scan# 1307
Delta R.T. -0.02 min
Lab File: BN004938.D
Acq: 24 Mar 2019 14:40

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.1	24.1
153	13.5	10.5	15.7





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.08 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BN004938.D

Acq: 24 Mar 2019 14:40

Instrument :

BNA_N

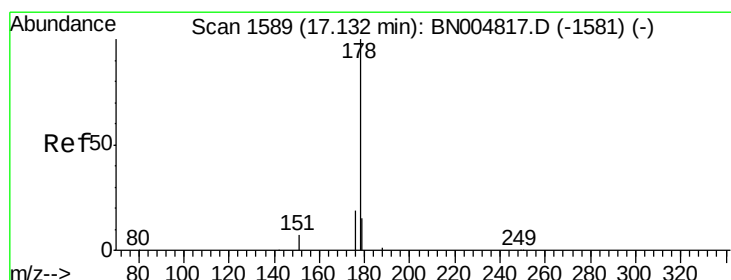
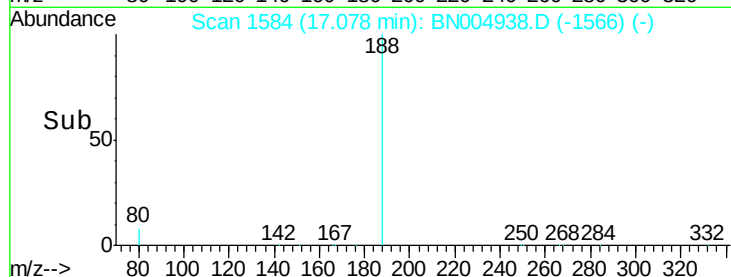
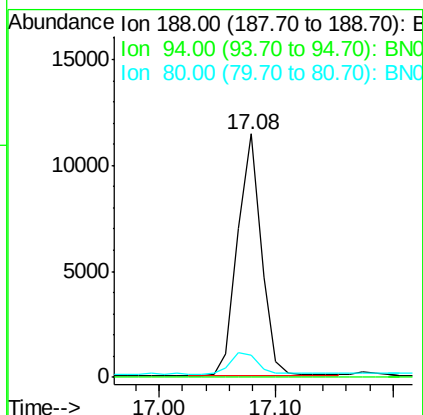
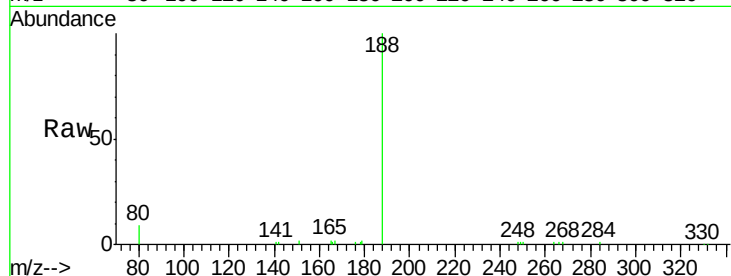
ClientSampleId :

PST-072-B155-031919

Tgt Ion:	188	Resp:	16012
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.0	7.4	11.2

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#23

Phenanthrene

Concen: 0.113 ng

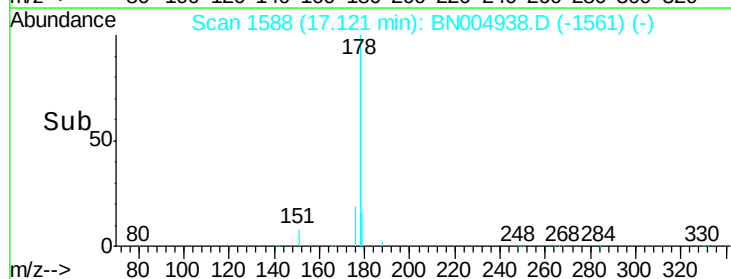
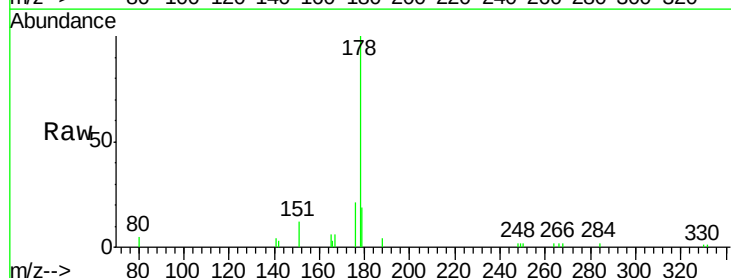
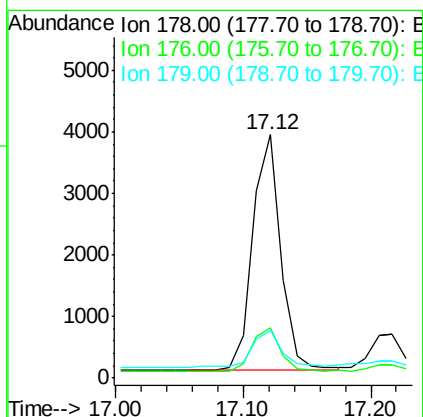
RT: 17.12 min Scan# 1588

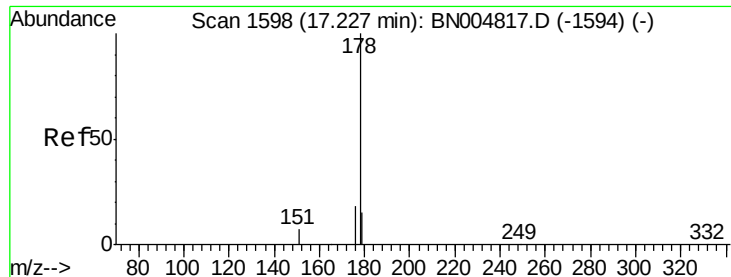
Delta R.T. -0.01 min

Lab File: BN004938.D

Acq: 24 Mar 2019 14:40

Tgt Ion:	178	Resp:	5843
Ion Ratio	Lower	Upper	
178	100		
176	18.7	14.9	22.3
179	18.1	12.1	18.1





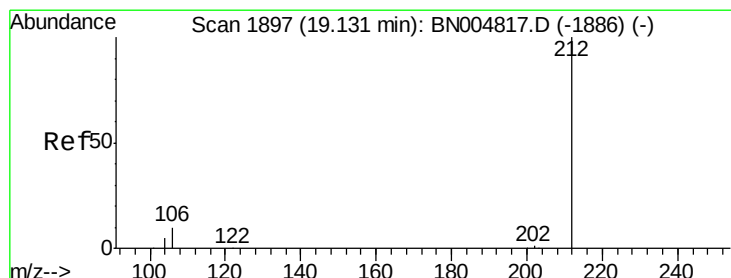
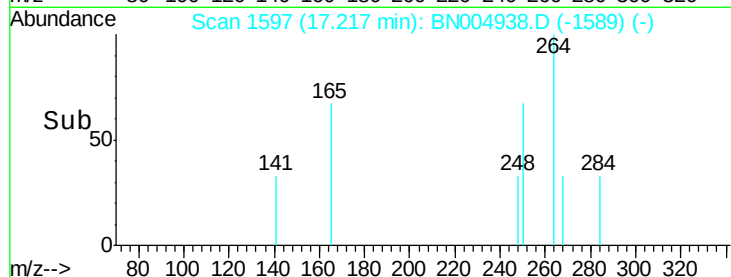
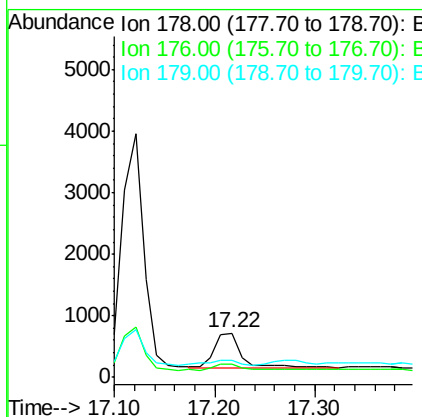
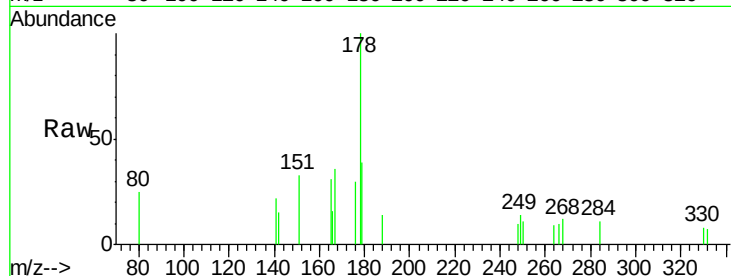
#24
 Anthracene
 Concen: 0.022 ng
 RT: 17.22 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BN004938.D
 Acq: 24 Mar 2019 14:40

Instrument :
 BNA_N
 ClientSampleId :
 PST-072-B155-031919

Tgt Ion	Ratio	Lower	Upper
178	100		
176	16.7	14.5	21.7
179	14.9	12.2	18.4

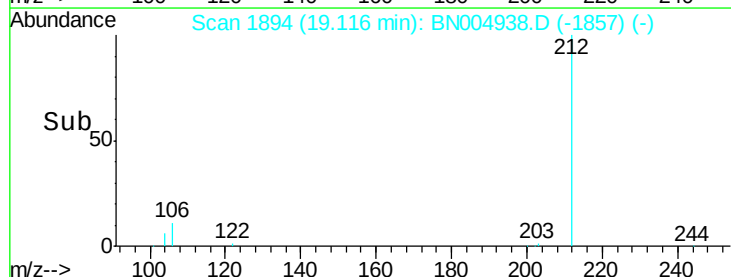
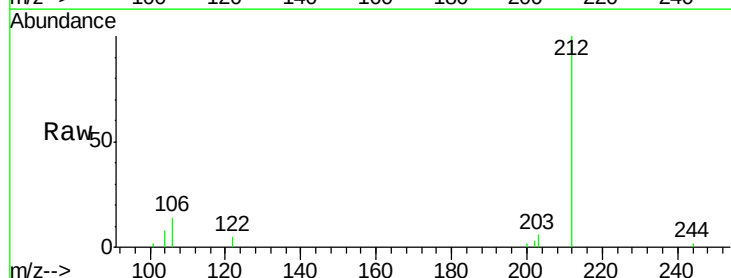
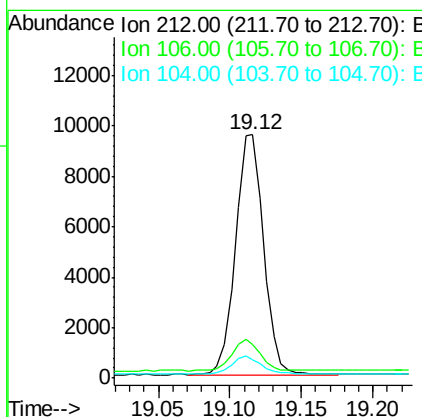
Manual Integrations
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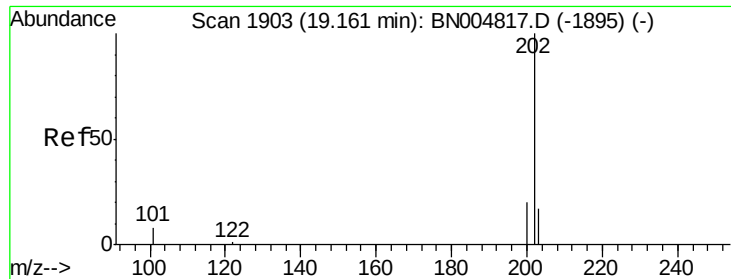
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#25
 Fluoranthene-d10
 Concen: 0.243 ng
 RT: 19.12 min Scan# 1894
 Delta R.T. -0.01 min
 Lab File: BN004938.D
 Acq: 24 Mar 2019 14:40

Tgt Ion	Ratio	Lower	Upper
212	100		
106	12.9	8.6	13.0
104	7.4	4.7	7.1#





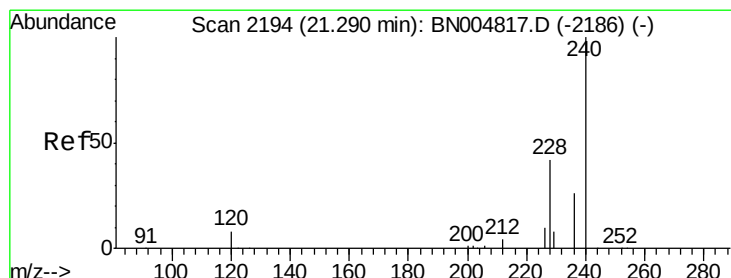
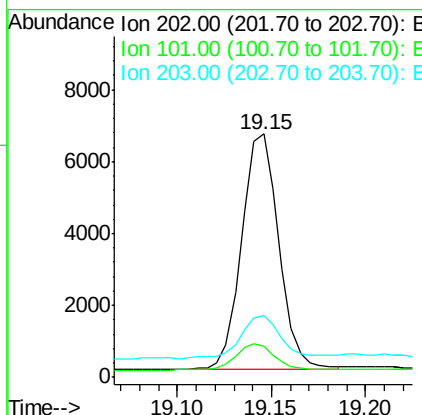
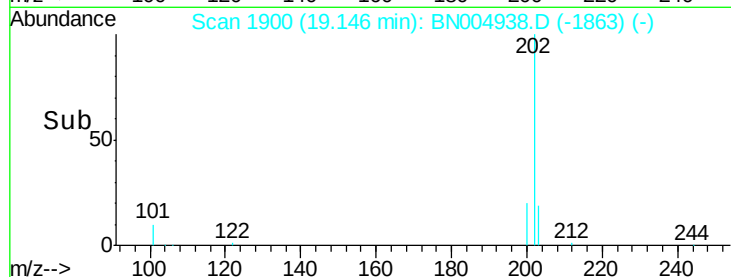
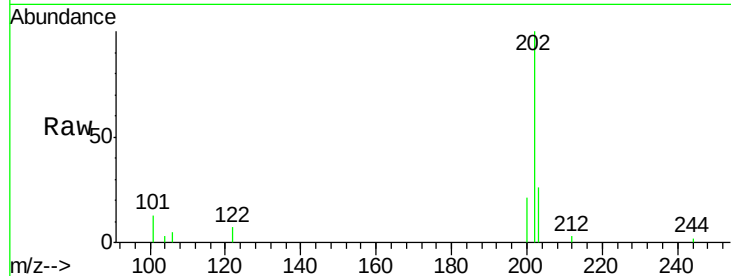
#26
 Fluoranthene
 Concen: 0.134 ng
 RT: 19.15 min Scan# 1900
 Delta R.T. -0.01 min
 Lab File: BN004938.D
 Acq: 24 Mar 2019 14:40

Instrument :
 BNA_N
 ClientSampleId :
 PST-072-B155-031919

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	13.1	7.5	11.3#
203	19.9	13.8	20.6

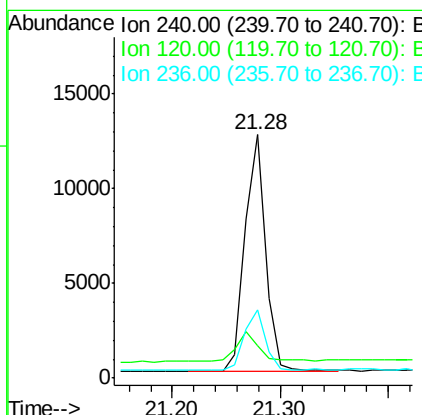
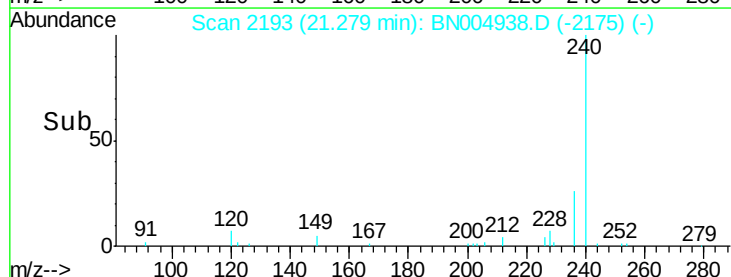
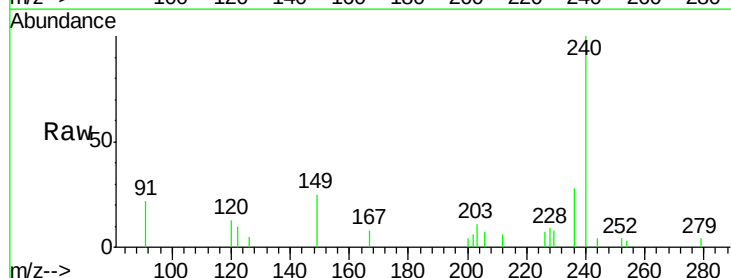
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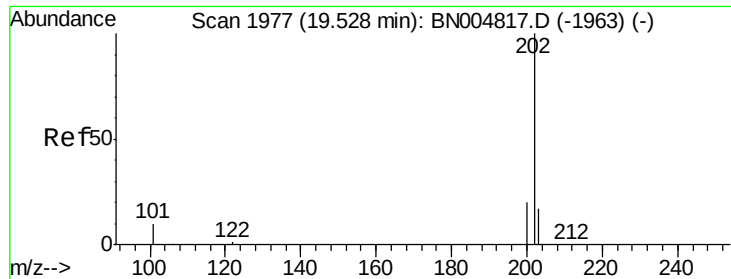
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.28 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BN004938.D
 Acq: 24 Mar 2019 14:40

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	13.1	7.2	10.8#
236	28.1	20.9	31.3





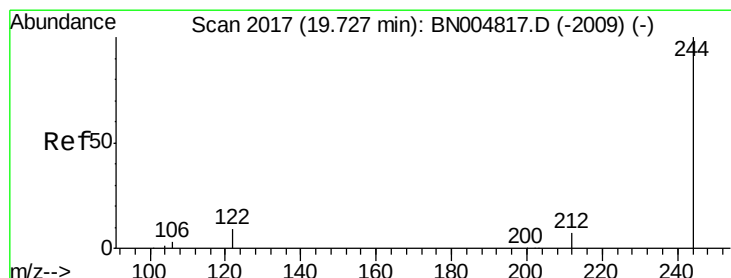
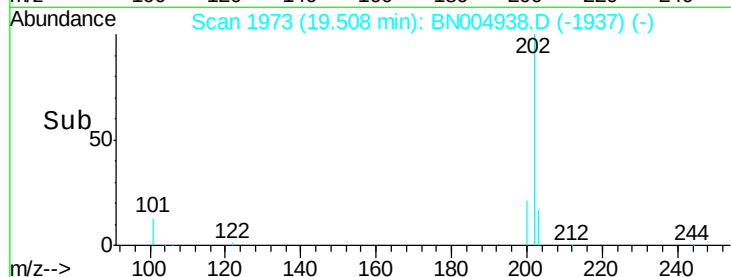
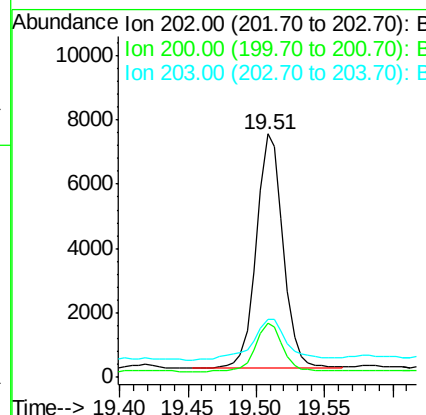
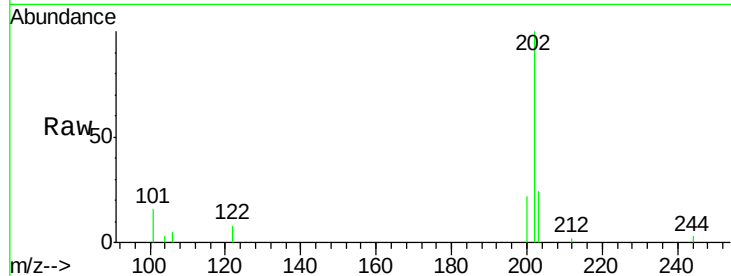
#28
 Pyrene
 Concen: 0.196 ng
 RT: 19.51 min Scan# 1973
 Delta R.T. -0.02 min
 Lab File: BN004938.D
 Acq: 24 Mar 2019 14:40

Instrument :
 BNA_N
 ClientSampleId :
 PST-072-B155-031919

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.0	16.3	24.5
203	22.4	14.0	21.0#

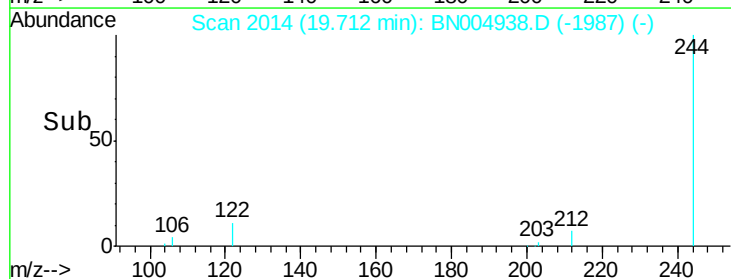
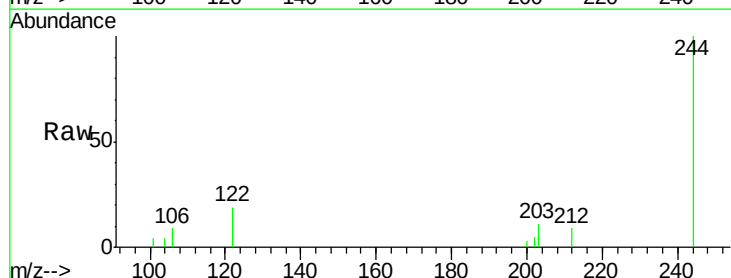
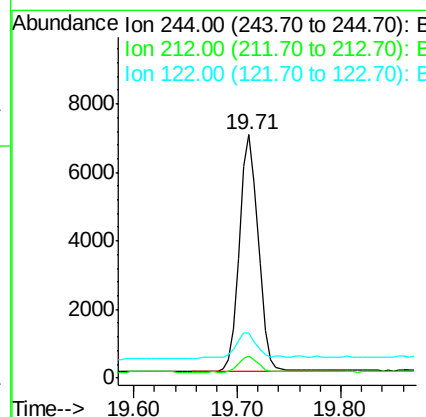
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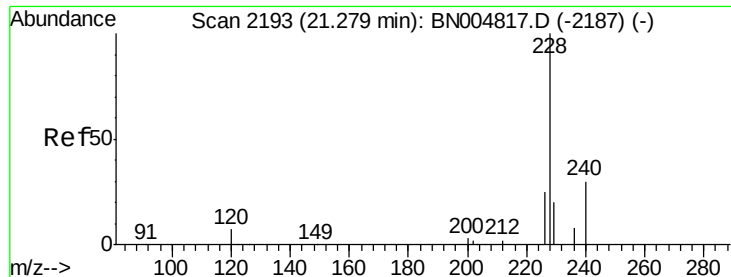
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#29
 Terphenyl-d14
 Concen: 0.251 ng
 RT: 19.71 min Scan# 2014
 Delta R.T. -0.01 min
 Lab File: BN004938.D
 Acq: 24 Mar 2019 14:40

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	9.2	5.8	8.6#
122	18.7	7.9	11.9#





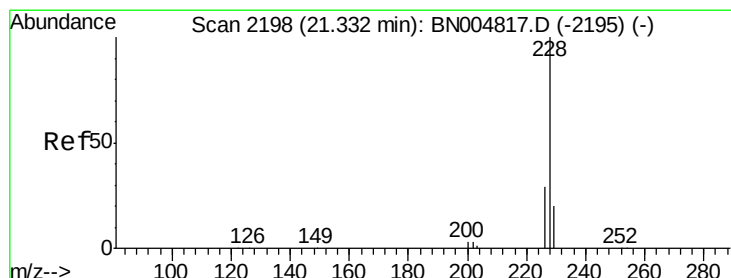
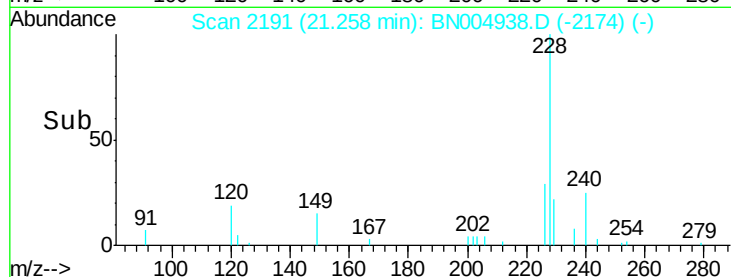
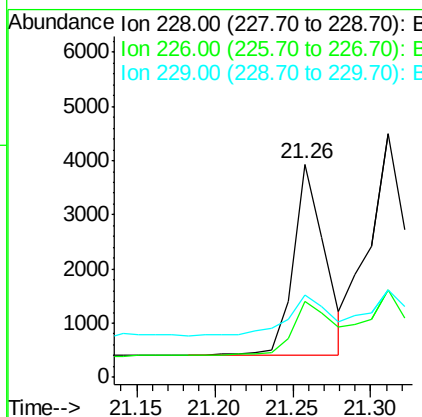
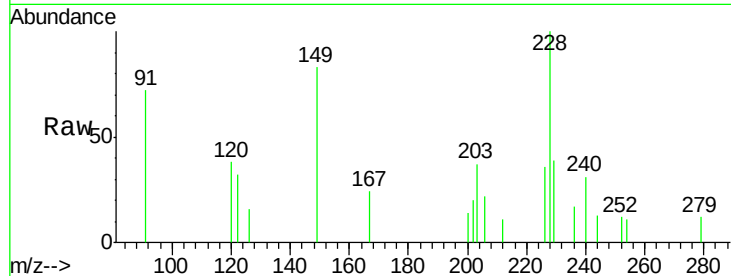
#30
Benzo(a)anthracene
Concen: 0.090 ng
RT: 21.26 min Scan# 2191
Delta R.T. -0.02 min
Lab File: BN004938.D
Acq: 24 Mar 2019 14:40

Instrument :
BNA_N
ClientSampleId :
PST-072-B155-031919

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.8	20.6	31.0#
229	38.9	16.2	24.4#

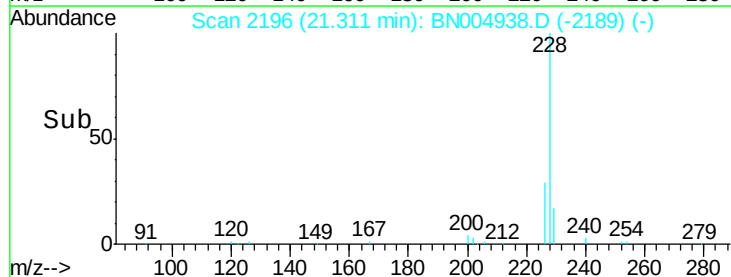
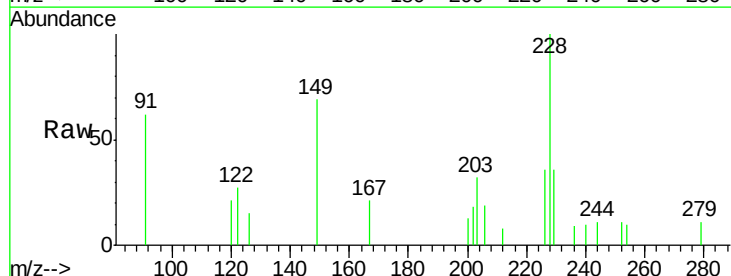
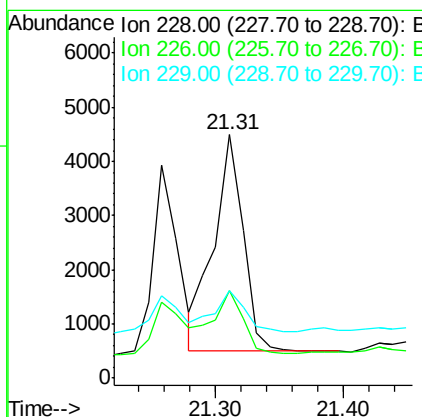
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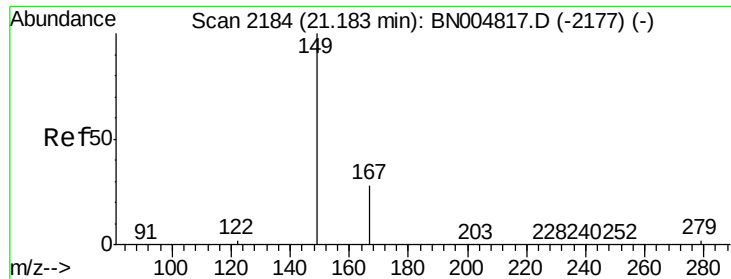
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#31
Chrysene
Concen: 0.111 ng
RT: 21.31 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BN004938.D
Acq: 24 Mar 2019 14:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.9	23.0	34.6#
229	35.7	16.2	24.2#





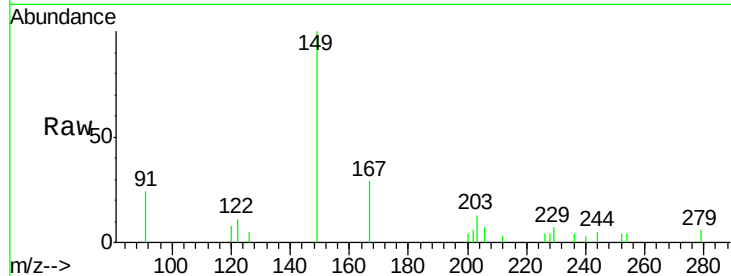
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.455 ng
 RT: 21.17 min Scan# 2183
 Delta R.T. -0.01 min
 Lab File: BN004938.D
 Acq: 24 Mar 2019 14:40

Instrument :
 BNA_N
 ClientSampleId :
 PST-072-B155-031919

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.0	23.0	34.4
279	6.4	4.6	6.8

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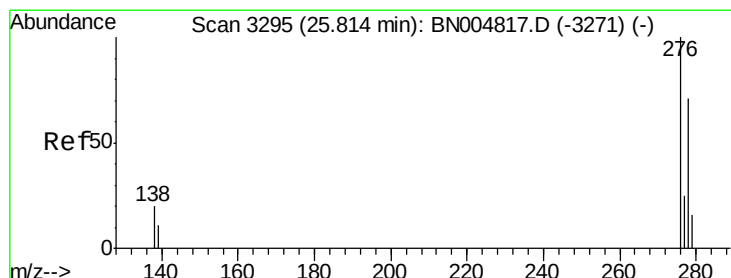
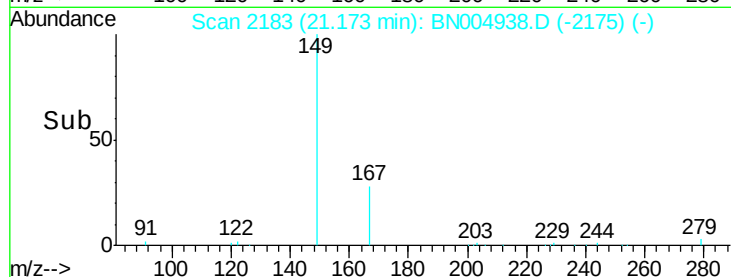
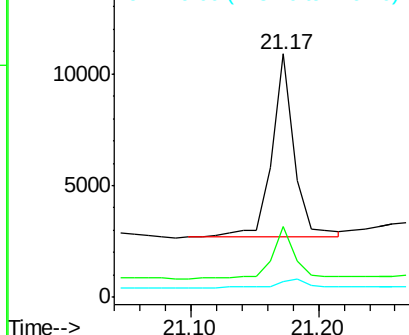


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.055 ng
 RT: 25.79 min Scan# 3289
 Delta R.T. -0.02 min
 Lab File: BN004938.D
 Acq: 24 Mar 2019 14:40

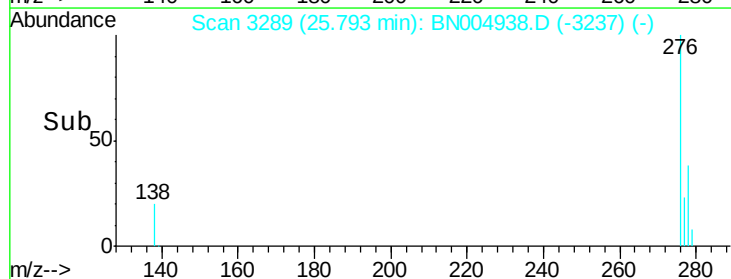
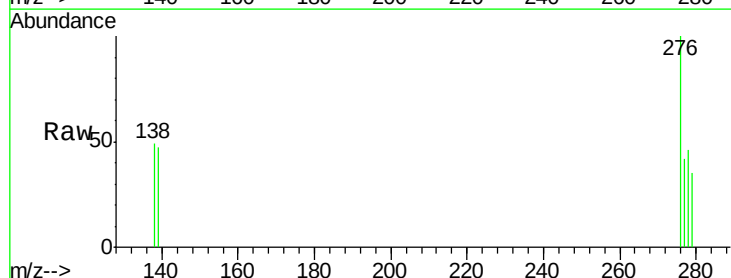
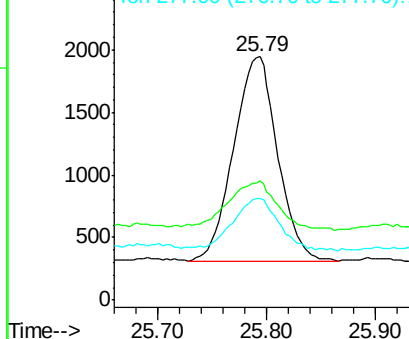
Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.0	16.6	24.8#
277	25.4	20.3	30.5

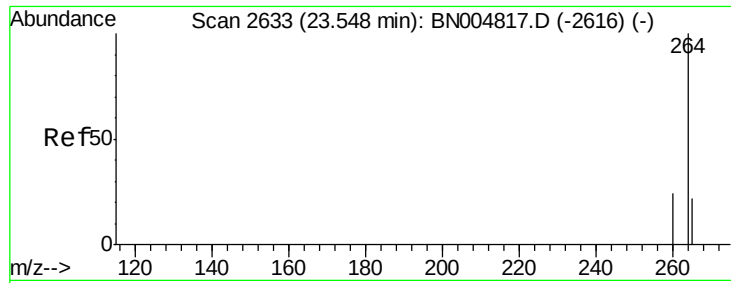
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





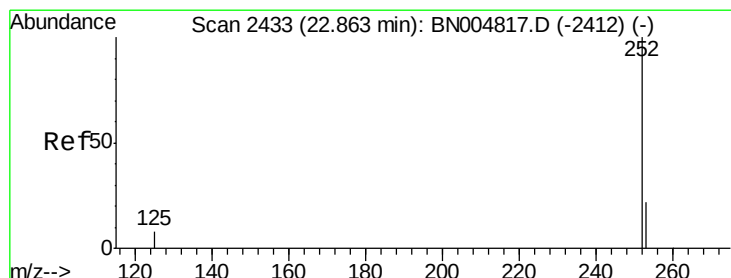
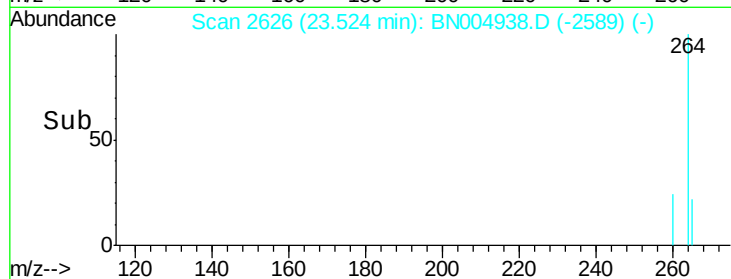
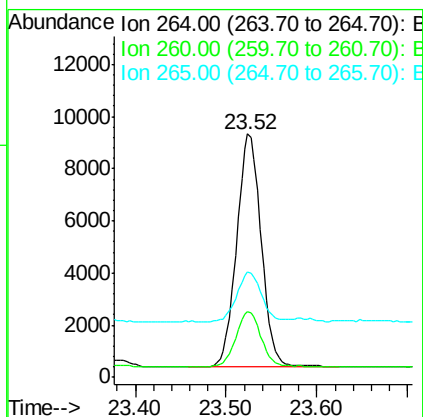
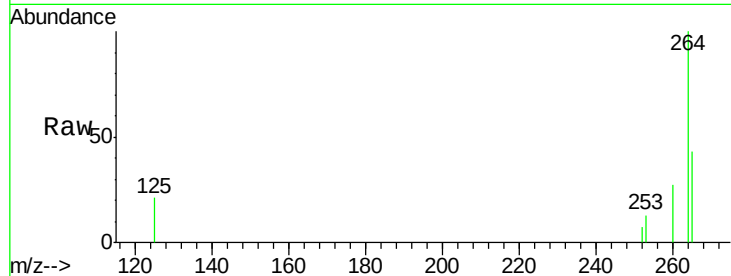
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.52 min Scan# 2626
 Delta R.T. -0.02 min
 Lab File: BN004938.D
 Acq: 24 Mar 2019 14:40

Instrument :
 BNA_N
 ClientSampleId :
 PST-072-B155-031919

Tgt Ion	Ratio	Lower	Upper
264	100		
260	27.1	19.5	29.3
265	43.1	23.1	34.7

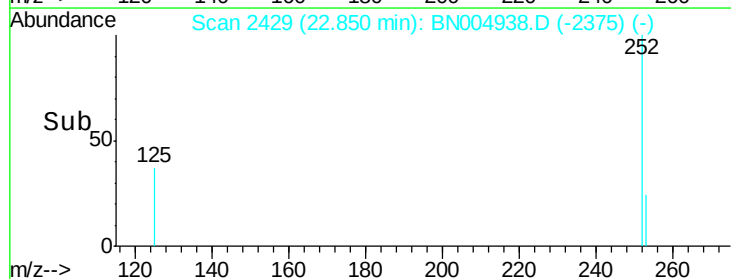
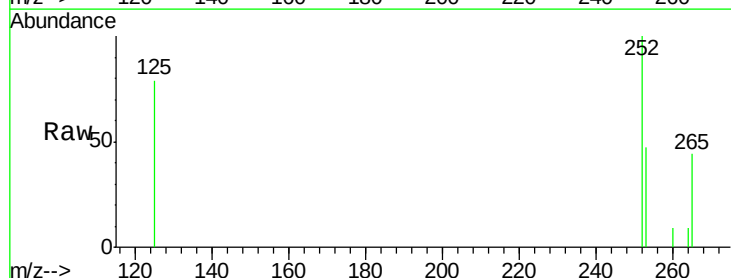
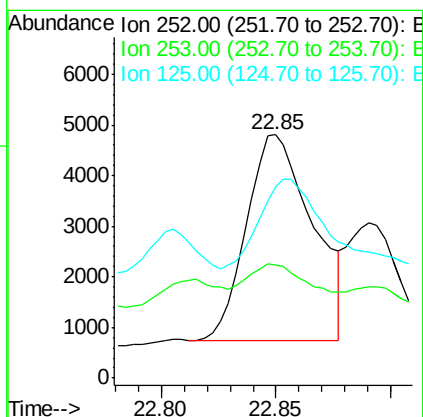
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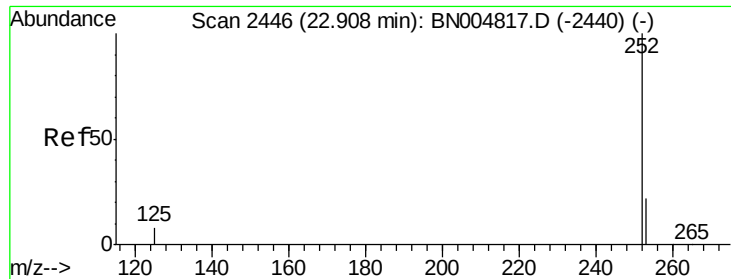
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#35
Benzo(b)fluoranthene
 Concen: 0.133 ng
 RT: 22.85 min Scan# 2429
 Delta R.T. -0.01 min
 Lab File: BN004938.D
 Acq: 24 Mar 2019 14:40

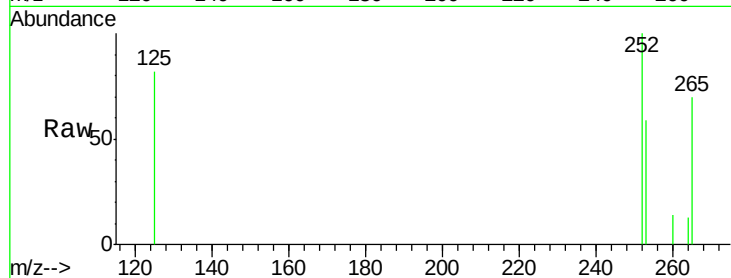
Tgt Ion	Ratio	Lower	Upper
252	100		
253	46.7	19.0	28.4
125	78.6	7.4	11.2





#36
Benzo(k)fluoranthene
Concen: 0.060 ng m
RT: 22.89 min Scan# 2441
Delta R.T. -0.02 min
Lab File: BN004938.D
Acq: 24 Mar 2019 14:40

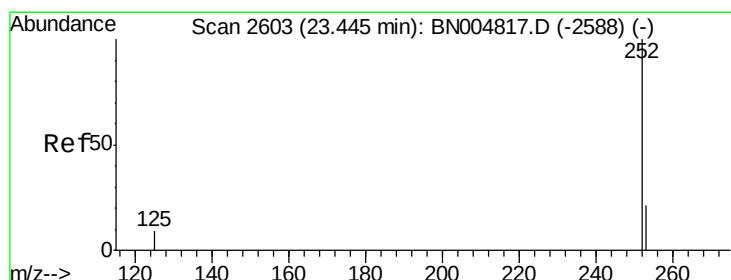
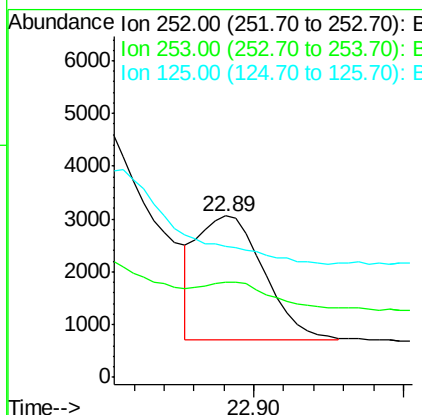
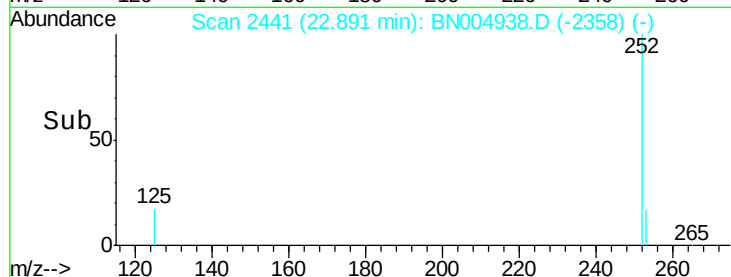
Instrument :
BNA_N
ClientSampleId :
PST-072-B155-031919



Tgt Ion: 252 Resp: 3627
Ion Ratio Lower Upper
252 100
253 59.2 19.3 28.9#
125 81.5 7.4 11.0#

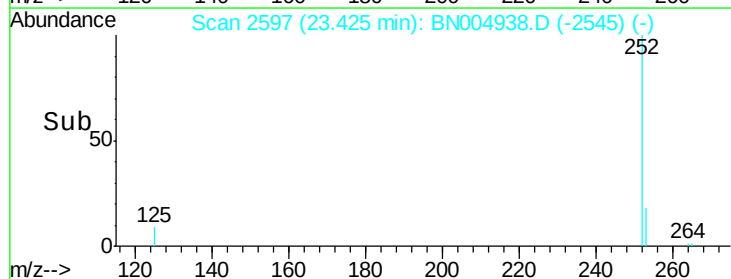
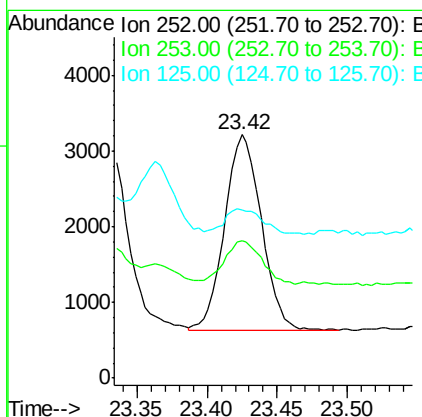
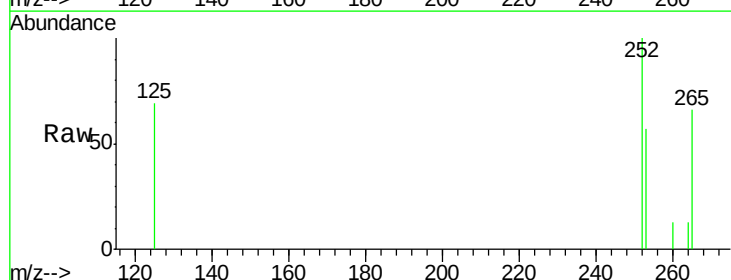
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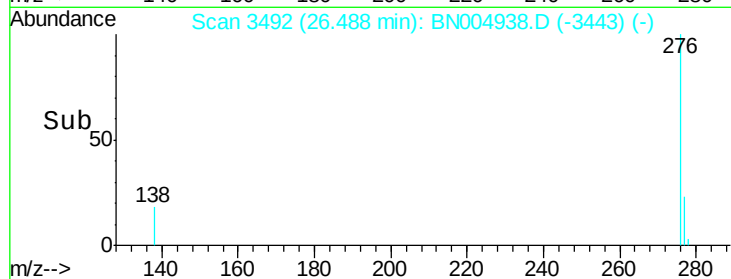
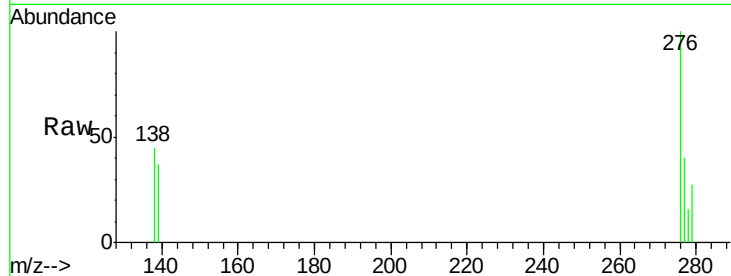
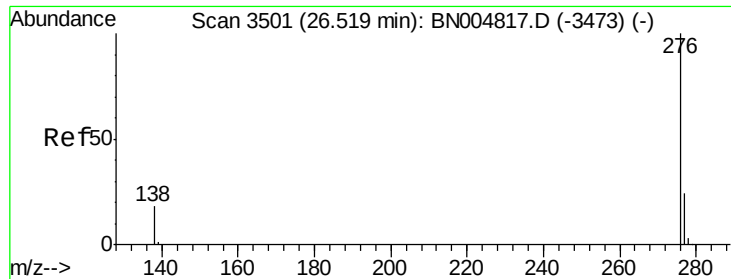
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#37
Benzo(a)pyrene
Concen: 0.085 ng
RT: 23.42 min Scan# 2597
Delta R.T. -0.02 min
Lab File: BN004938.D
Acq: 24 Mar 2019 14:40

Tgt Ion: 252 Resp: 4732
Ion Ratio Lower Upper
252 100
253 56.7 19.7 29.5#
125 69.3 8.3 12.5#





#39

Benzo(g,h,i)perylene

Concen: 0.077 ng

RT: 26.49 min Scan# 3492

Delta R.T. -0.03 min

Lab File: BN004938.D

Acq: 24 Mar 2019 14:40

Instrument :

BNA_N

ClientSampleId :

PST-072-B155-031919

Tgt Ion:	276	Resp:	5052
Ion Ratio	Lower	Upper	
276	100		
277	40.1	19.7	29.5#
138	44.7	14.6	22.0#

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