

Data File : BN007216.D
Acq On : 16 Aug 2019 02:57
Operator : HP/JU
Sample : K4282-14
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PST-029-B216-080819

Manual Integrations
APPROVED

Jagrut
8/16/2019 6:12:14 PM

Quant Time: Aug 16 07:56:15 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 12:12:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	6923	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	26457	0.40	ng	0.00
12) Acenaphthene-d10	14.07	164	15020	0.40	ng	-0.01
18) Phenanthrene-d10	16.82	188	35352	0.40	ng	0.00
26) Chrysene-d12	21.03	240	34809	0.40	ng	-0.02
32) Perylene-d12	23.15	264	38600	0.40	ng	-0.02
System Monitoring Compounds						
3) 2-Fluorophenol	5.05	112	4963	0.30	ng	0.00
4) Phenol-d6	6.61	99	6521	0.32	ng	0.00
7) Nitrobenzene-d5	8.55	82	4720	0.22	ng	-0.01
10) 2-Methylnaphthalene-d10	11.78	152	10617	0.22	ng	-0.01
13) 2,4,6-Tribromophenol	15.57	330	1391	0.17	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	1267	0.06	ng	0.00
24) Fluoranthene-d10	18.86	212	23285	0.19	ng	-0.01
28) Terphenyl-d14	19.48	244	16813	0.18	ng	-0.02
Target Compounds				Qvalue		
15) Acenaphthylene	13.79	152	5054	0.064	ng	98
22) Phenanthrene	16.86	178	5487	0.052	ng	96
25) Fluoranthene	18.89	202	12220	0.090	ng	99
27) Pyrene	19.26	202	13037	0.107	ng	# 94
29) Benzo(a)anthracene	21.02	228	7765	0.061	ng	# 49
30) Chrysene	21.07	228	8023	0.065	ng	# 87
31) Indeno(1,2,3-cd)pyrene	25.22	276	5882	0.043	ng	99
33) Benzo(b)fluoranthene	22.53	252	10635	0.080	ng	# 73
34) Benzo(k)fluoranthene	22.57	252	4452m	0.034	ng	
35) Benzo(a)pyrene	23.06	252	7545	0.063	ng	# 70
37) Benzo(g,h,i)perylene	25.85	276	7519	0.061	ng	# 80

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

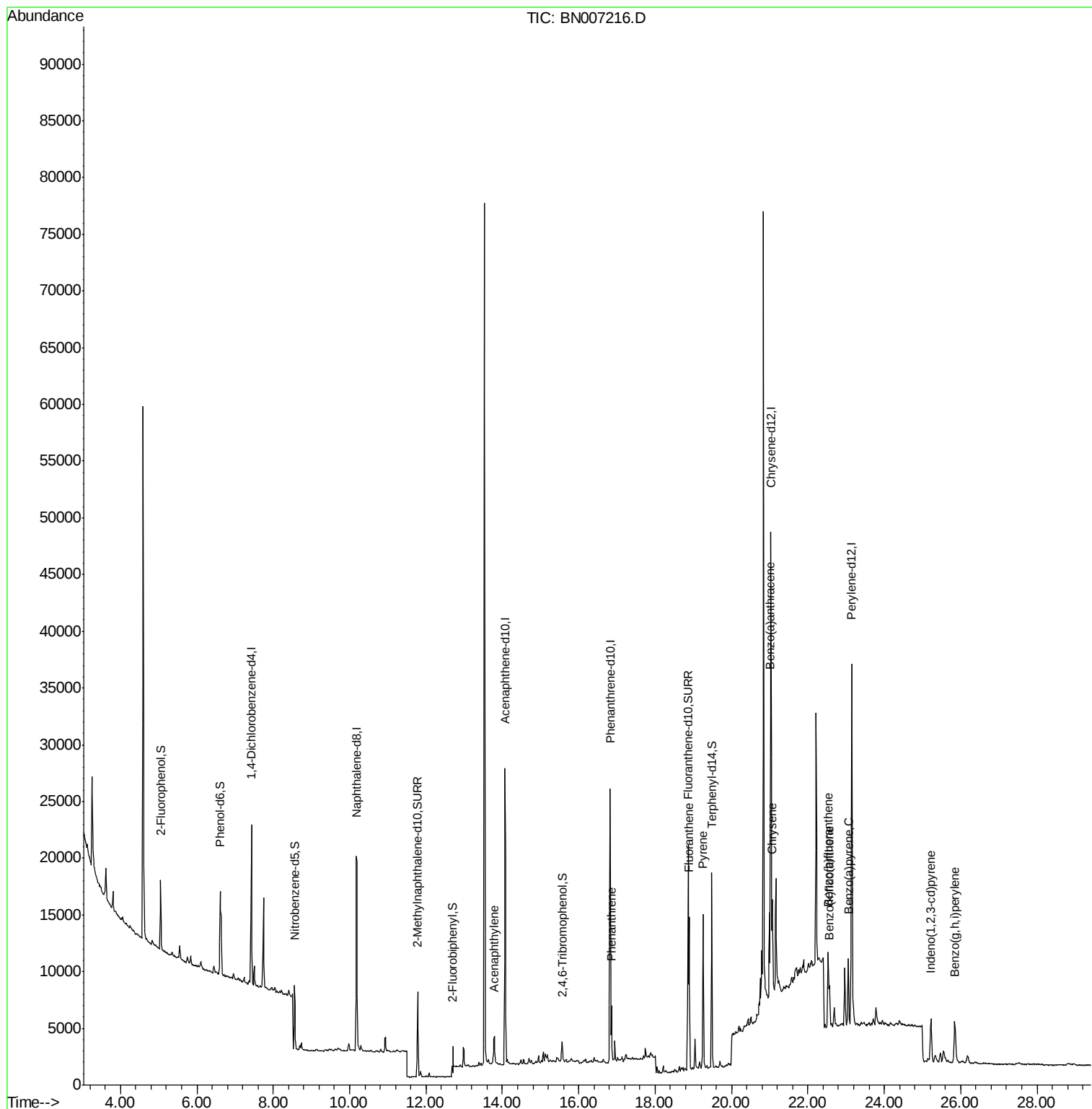
Data File : BN007216.D
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#1

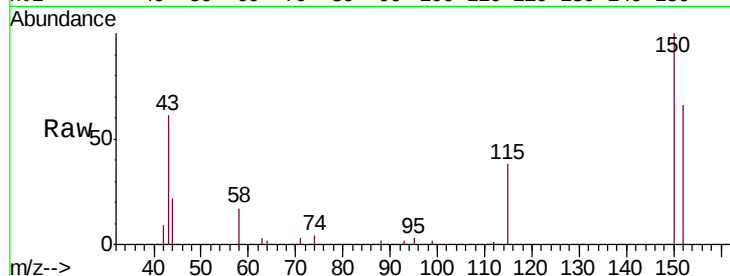
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 546
Delta R.T. -0.01 min
Lab File: BN007216.D
Acq: 16 Aug 2019 02:57

Instrument :
BNA_N
ClientSampleId :
PST-029-B216-080819

Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.4	121.7	182.5
115	57.2	46.2	69.4

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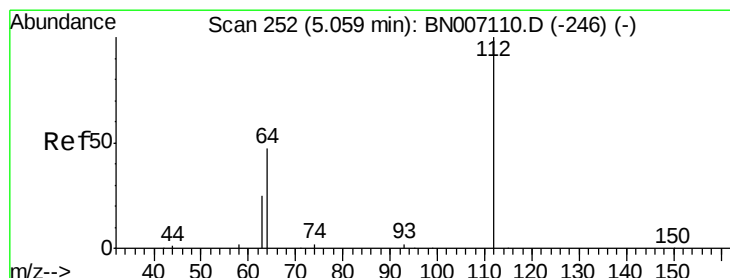
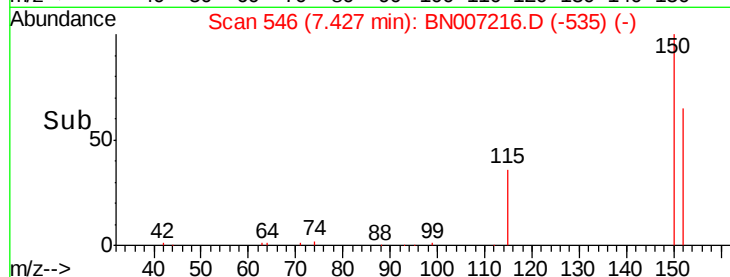
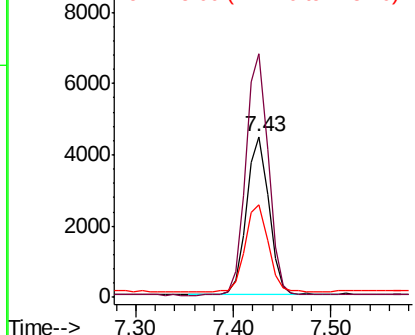


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

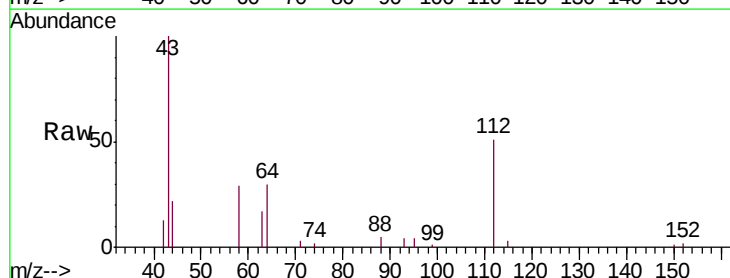
Ion 115.00 (114.70 to 115.70): E



#3

2-Fluorophenol
Concen: 0.298 ng
RT: 5.05 min Scan# 251
Delta R.T. -0.01 min
Lab File: BN007216.D
Acq: 16 Aug 2019 02:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.5	42.6	63.8
63	27.7	22.2	33.2

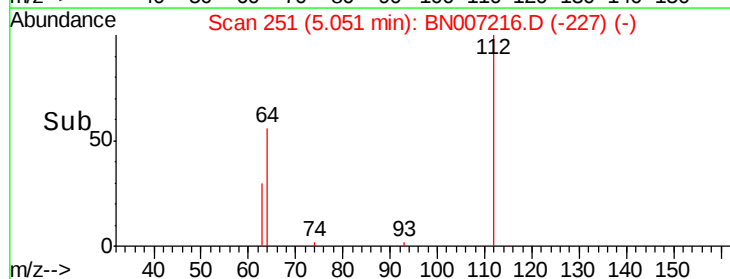
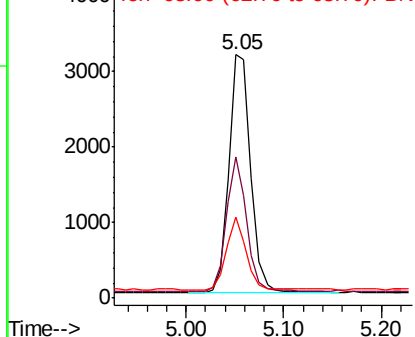


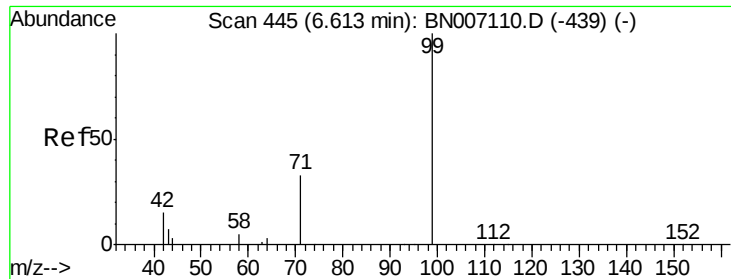
Abundance

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





#4

Phenol-d6

Concen: 0.316 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007216.D

Acq: 16 Aug 2019 02:57

Instrument :

BNA_N

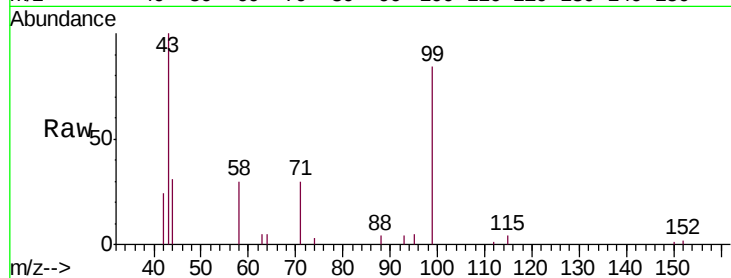
ClientSampleId :

PST-029-B216-080819

Tgt Ion:	99	Resp:	6521
Ion	Ratio	Lower	Upper
99	100		
42	22.3	15.8	23.6
71	34.2	27.0	40.4

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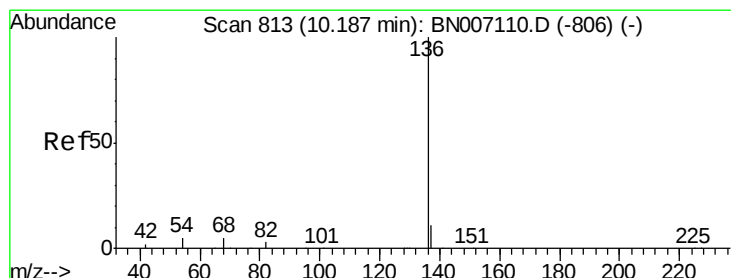
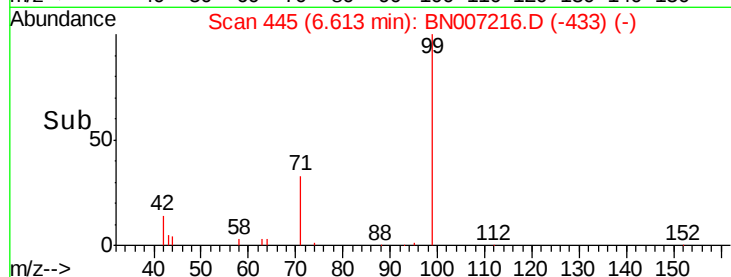
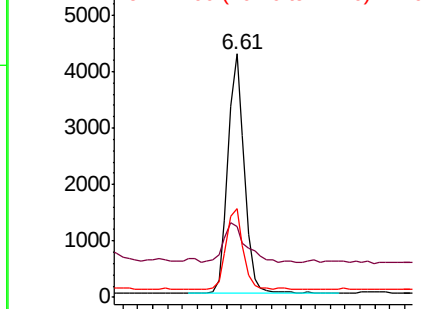


Abundance

Ion 99.00 (98.70 to 99.70): BN007216.D (-439) (-)

Ion 42.00 (41.70 to 42.70): BN007216.D (-439) (-)

Ion 71.00 (70.70 to 71.70): BN007216.D (-439) (-)



#6

Naphthalene-d8

Concen: 0.400 ng

RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007216.D

Acq: 16 Aug 2019 02:57

Tgt Ion:	136	Resp:	26457
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.4	14.0
54	4.5	6.6	9.8#
68	4.6	6.0	9.0#

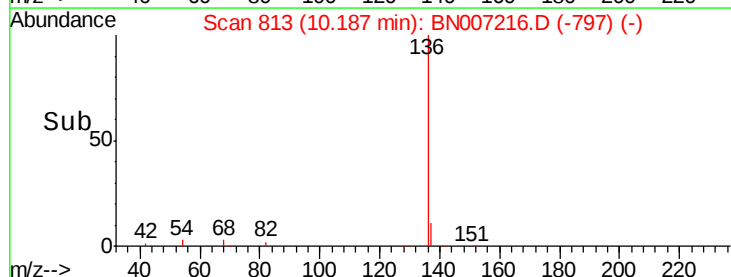
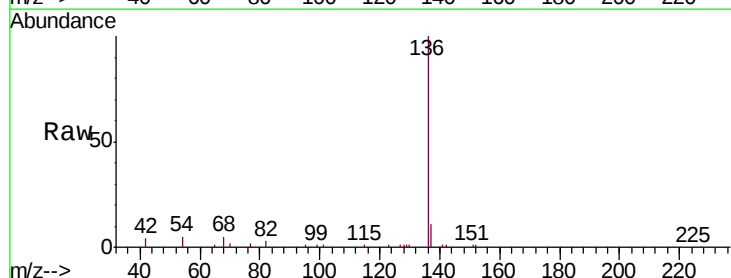
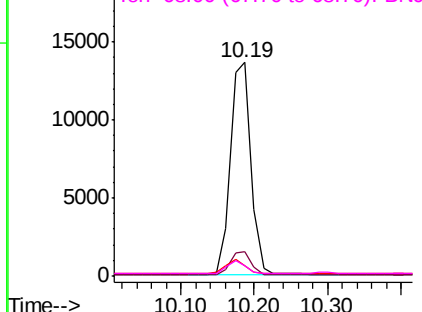
Abundance

Ion 136.00 (135.70 to 136.70): BN007216.D (-797) (-)

Ion 137.00 (136.70 to 137.70): BN007216.D (-797) (-)

Ion 54.00 (53.70 to 54.70): BN007216.D (-797) (-)

Ion 68.00 (67.70 to 68.70): BN007216.D (-797) (-)





#7

Nitrobenzene-d5

Concen: 0.221 ng

RT: 8.55 min Scan# 684

Delta R.T. -0.01 min

Lab File: BN007216.D

Acq: 16 Aug 2019 02:57

Instrument :

BNA_N

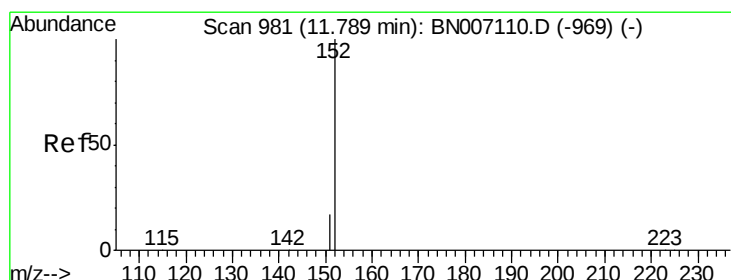
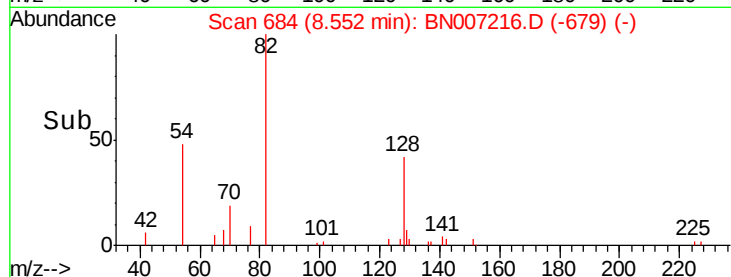
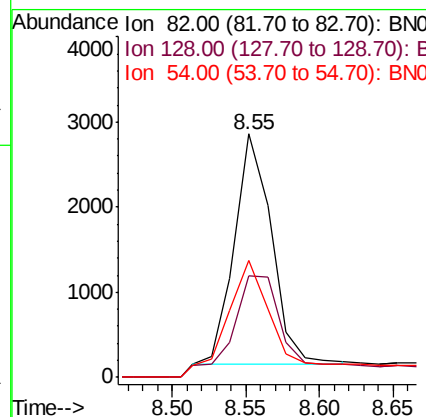
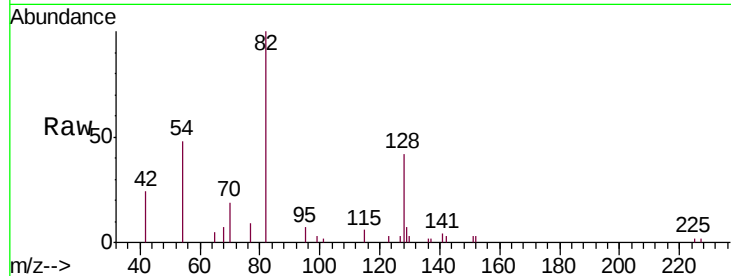
ClientSampleId :

PST-029-B216-080819

Tgt Ion:	82	Resp:	4720
Ion Ratio	Lower	Upper	
82	100		
128	41.8	34.6	51.8
54	48.2	36.2	54.4

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#10

2-Methylnaphthalene-d10

Concen: 0.215 ng

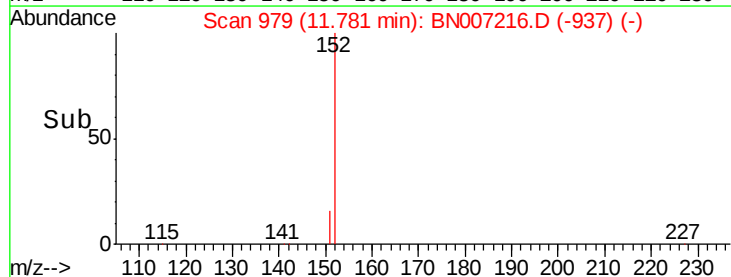
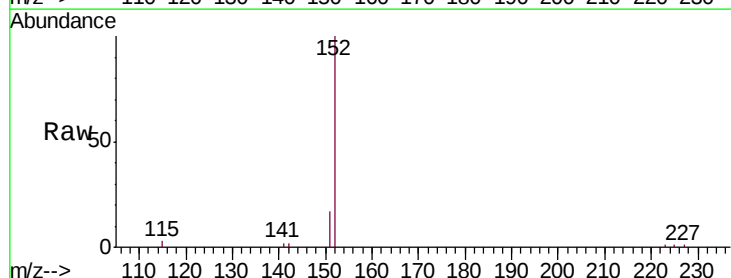
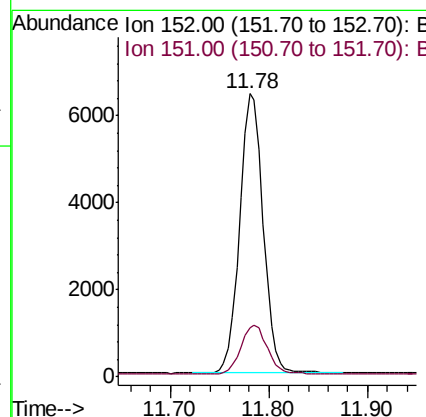
RT: 11.78 min Scan# 979

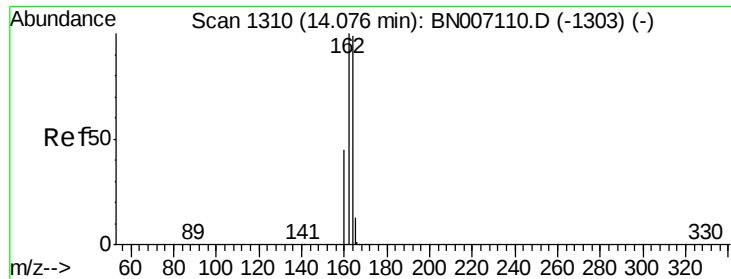
Delta R.T. -0.01 min

Lab File: BN007216.D

Acq: 16 Aug 2019 02:57

Tgt Ion:	152	Resp:	10617
Ion Ratio	Lower	Upper	
152	100		
151	19.4	15.5	23.3





#12

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.07 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BN007216.D

Acq: 16 Aug 2019 02:57

Instrument :

BNA_N

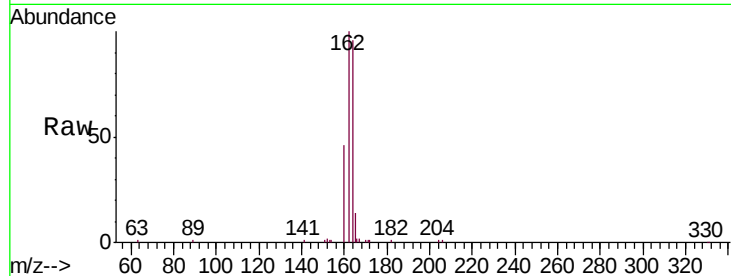
ClientSampleId :

PST-029-B216-080819

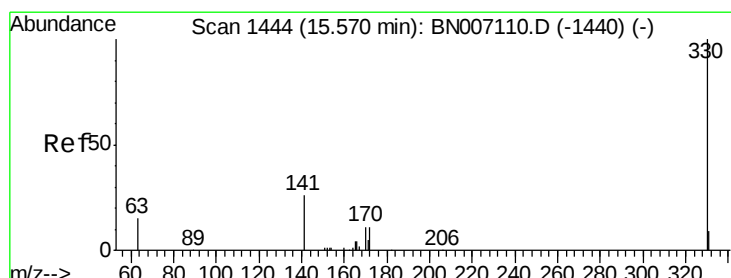
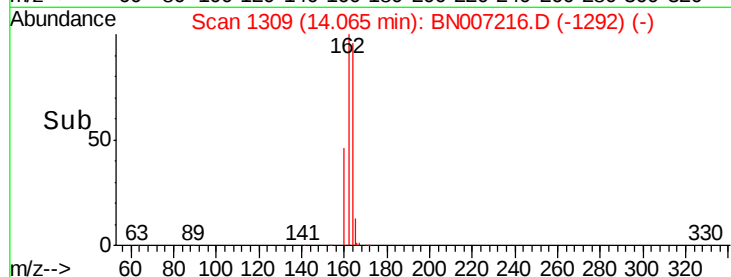
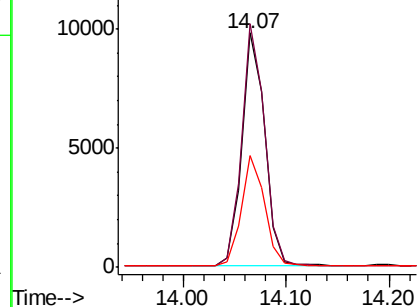
Tgt Ion:	164	Resp:	15020
Ion Ratio	Lower	Upper	
164	100		
162	103.9	82.2	123.4
160	47.7	38.3	57.5

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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#13

2,4,6-Tribromophenol

Concen: 0.172 ng

RT: 15.57 min Scan# 1444

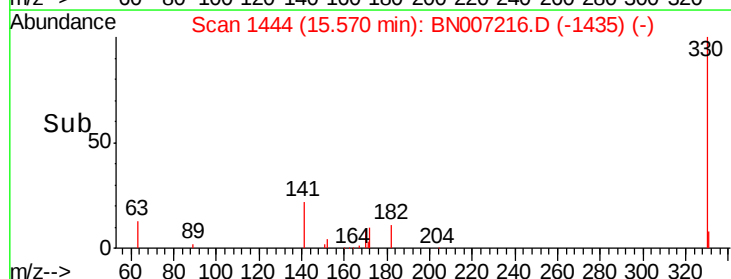
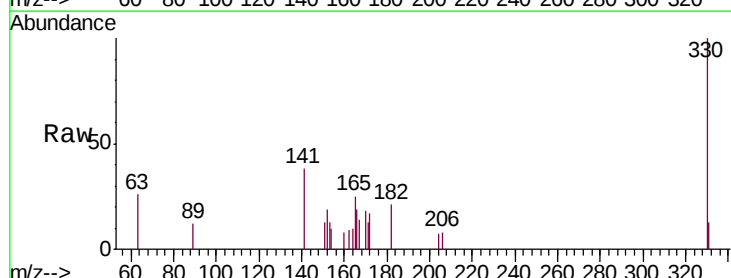
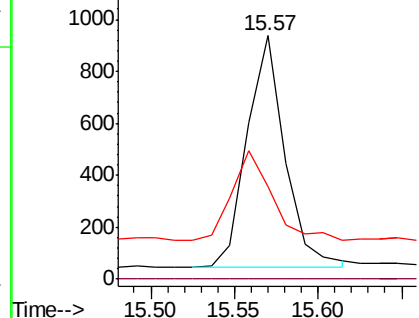
Delta R.T. -0.00 min

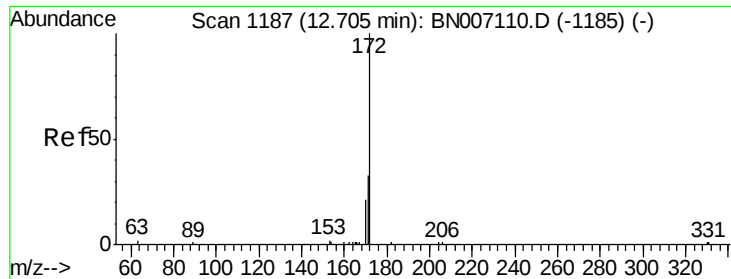
Lab File: BN007216.D

Acq: 16 Aug 2019 02:57

Tgt Ion:	330	Resp:	1391
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	41.0	33.6	50.4

Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





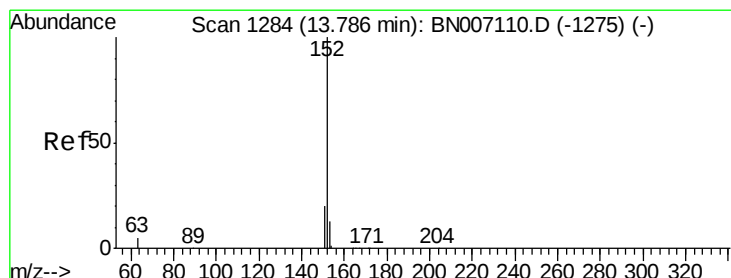
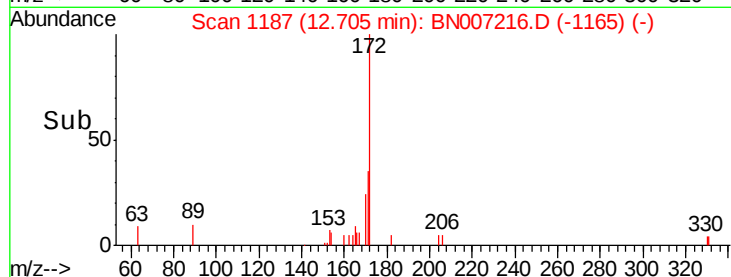
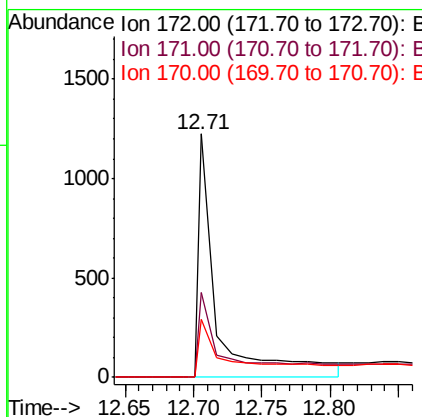
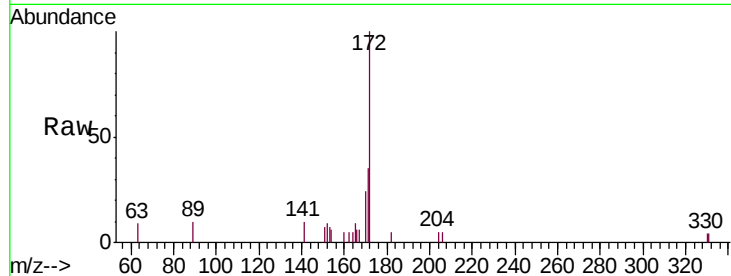
#14
2-Fluorobiphenyl
Concen: 0.058 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007216.D
Acq: 16 Aug 2019 02:57

Instrument :
BNA_N
ClientSampleId :
PST-029-B216-080819

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	26.3	39.5
170	23.8	17.0	25.4

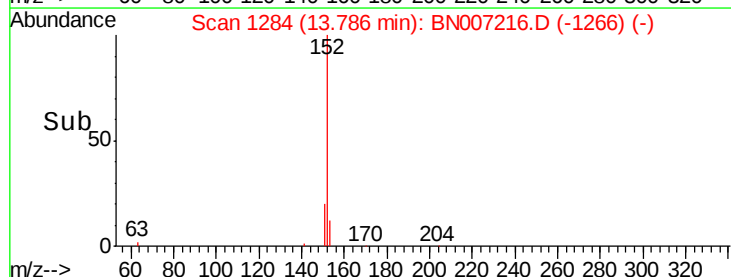
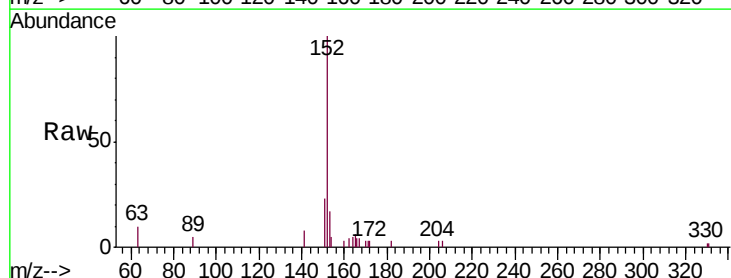
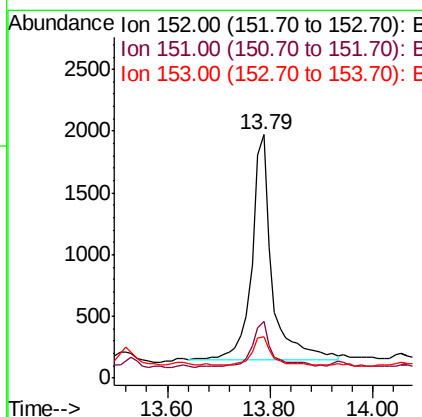
Manual Integrations
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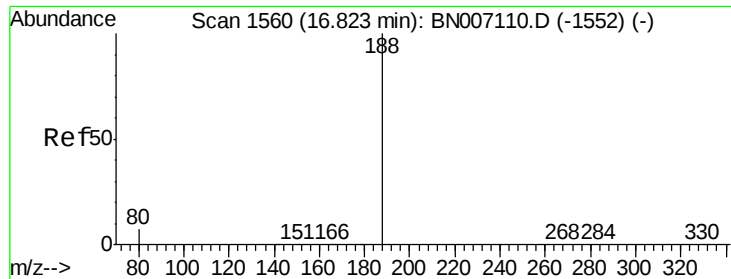
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#15
Acenaphthylene
Concen: 0.064 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007216.D
Acq: 16 Aug 2019 02:57

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.8	23.6
153	11.3	10.4	15.6





#18

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.82 min Scan# 1560

Delta R.T. -0.00 min

Lab File: BN007216.D

Acq: 16 Aug 2019 02:57

Instrument :

BNA_N

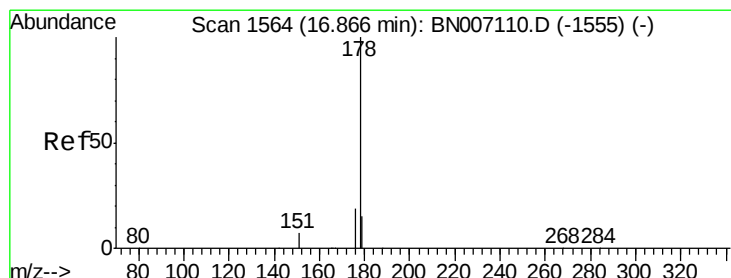
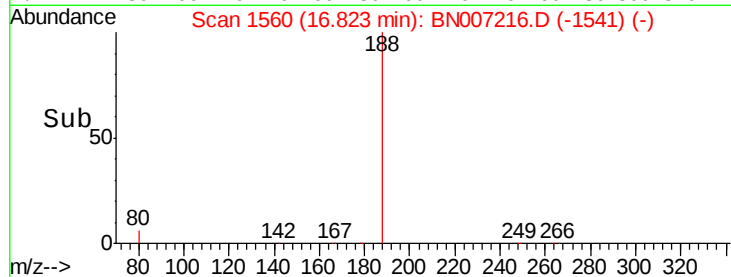
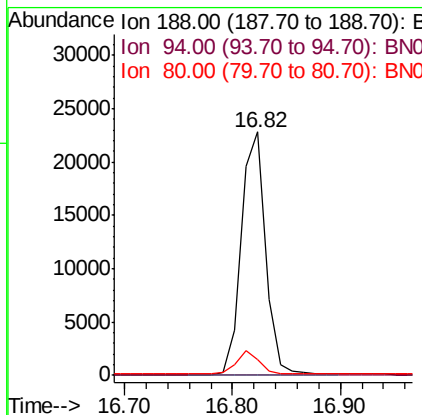
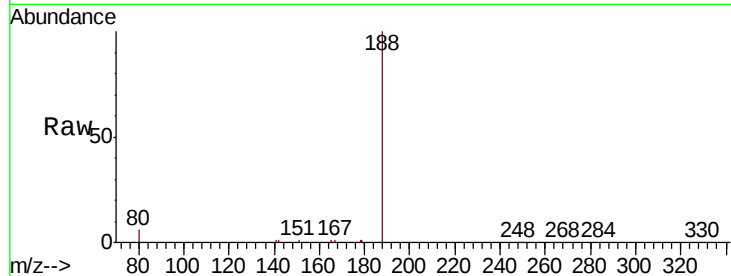
ClientSampleId :

PST-029-B216-080819

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	35352		
94	0.0	0.0	0.0	
80	6.3	7.8	11.6	

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#22

Phenanthrene

Concen: 0.052 ng

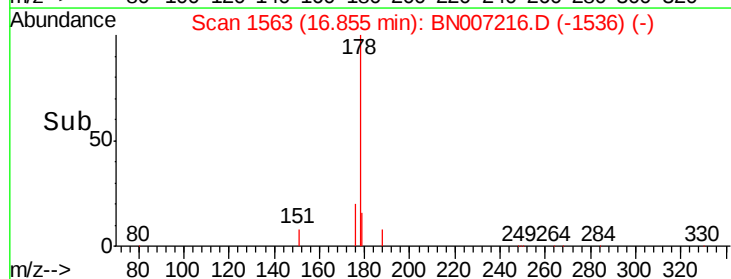
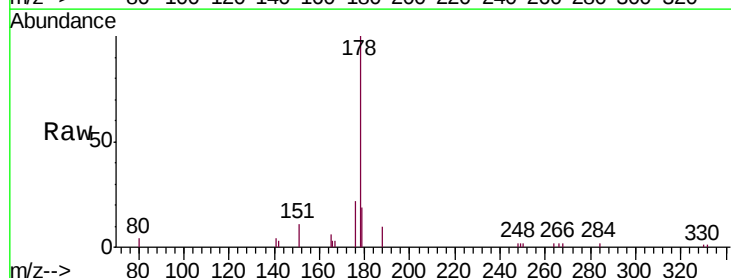
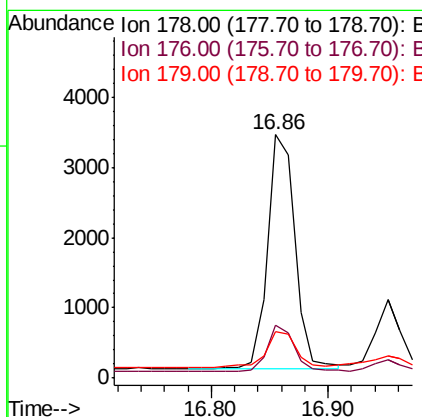
RT: 16.86 min Scan# 1563

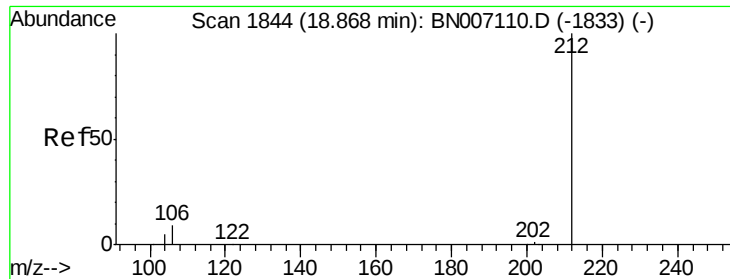
Delta R.T. -0.01 min

Lab File: BN007216.D

Acq: 16 Aug 2019 02:57

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	5487		
176	20.4	15.2	22.8	
179	17.4	12.3	18.5	





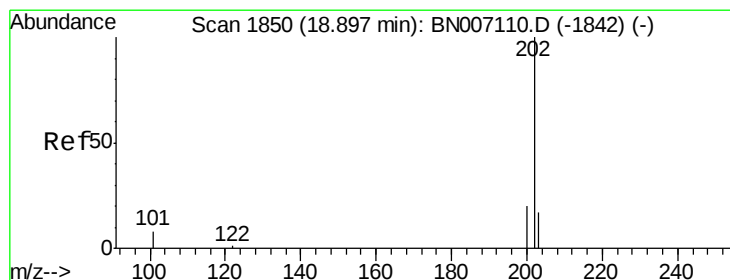
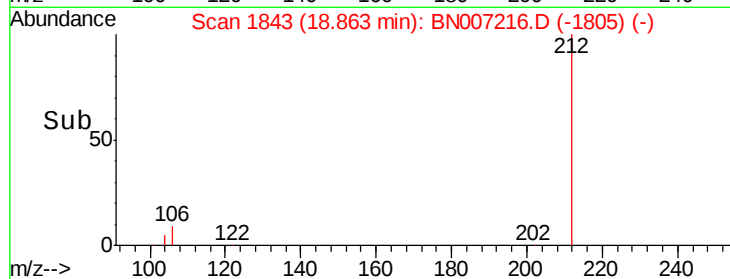
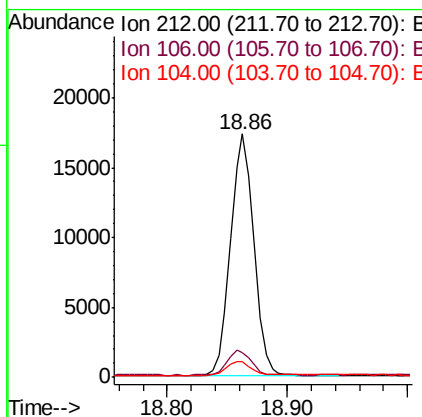
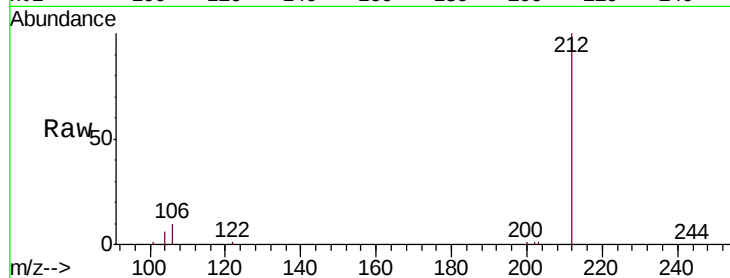
#24
 Fluoranthene-d10
 Concen: 0.186 ng
 RT: 18.86 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BN007216.D
 Acq: 16 Aug 2019 02:57

Instrument :
 BNA_N
 ClientSampleId :
 PST-029-B216-080819

Tgt Ion	Ratio	Resp	Lower	Upper
212	100	23285		
106	10.4		8.2	12.2
104	6.2		4.5	6.7

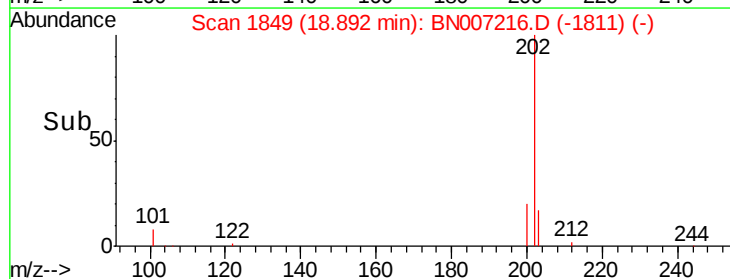
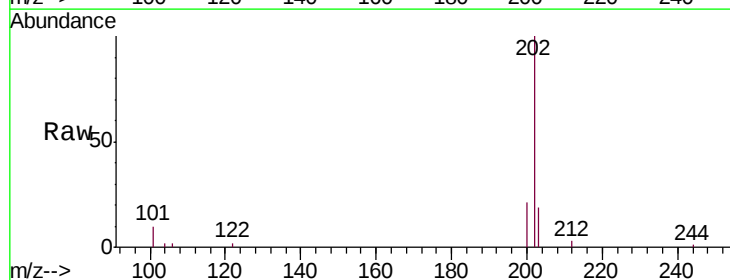
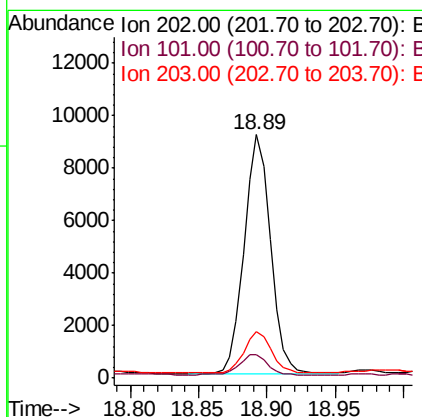
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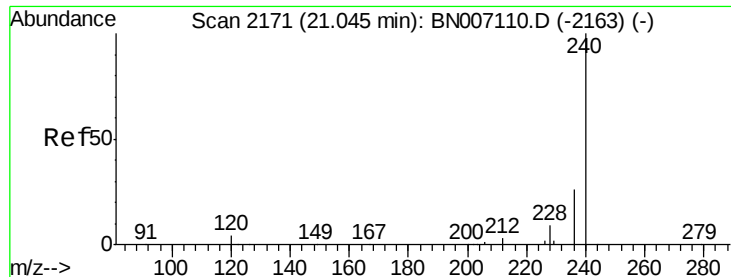
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 8/16/2019 6:12:14 PM



#25
 Fluoranthene
 Concen: 0.090 ng
 RT: 18.89 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BN007216.D
 Acq: 16 Aug 2019 02:57

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	12220		
101	9.1		7.0	10.4
203	17.8		13.8	20.8





#26

Chrysene-d12

Concen: 0.400 ng

RT: 21.03 min Scan# 2170

Delta R.T. -0.02 min

Lab File: BN007216.D

Acq: 16 Aug 2019 02:57

Instrument :

BNA_N

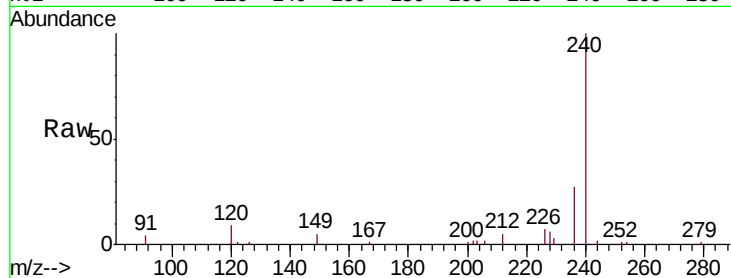
ClientSampleId :

PST-029-B216-080819

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.9	4.0	6.0#
236	27.3	21.3	31.9

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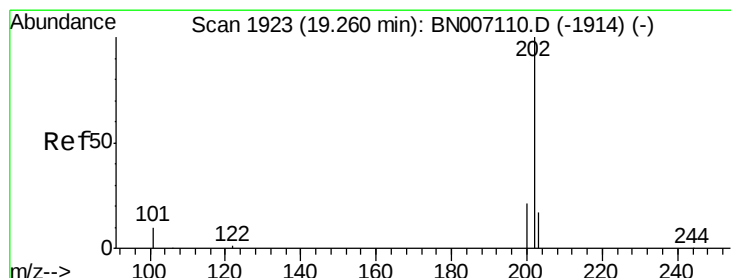
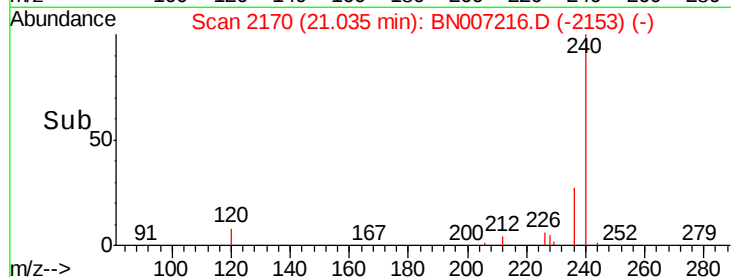
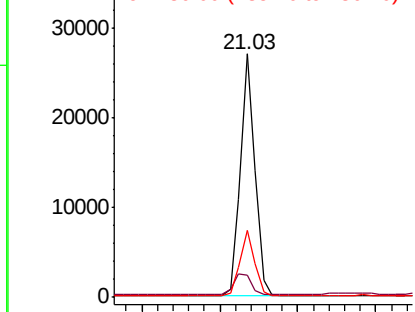


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#27

Pyrene

Concen: 0.107 ng

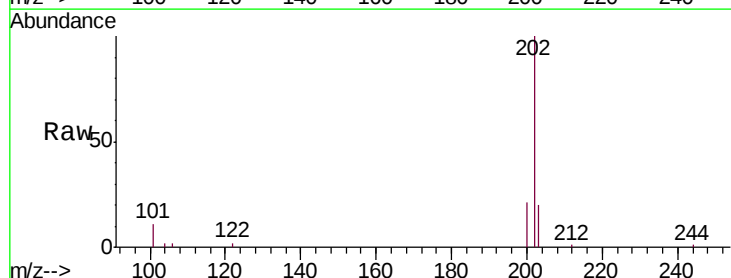
RT: 19.26 min Scan# 1923

Delta R.T. -0.01 min

Lab File: BN007216.D

Acq: 16 Aug 2019 02:57

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.6	24.8
203	22.3	14.0	21.0#

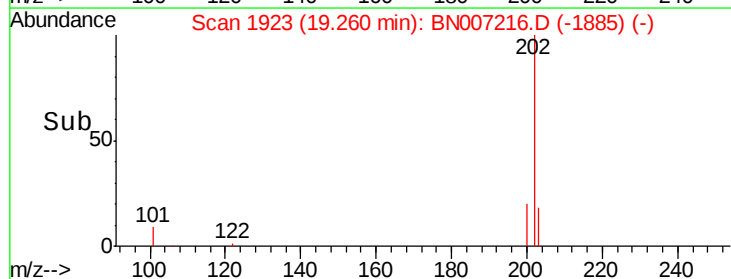
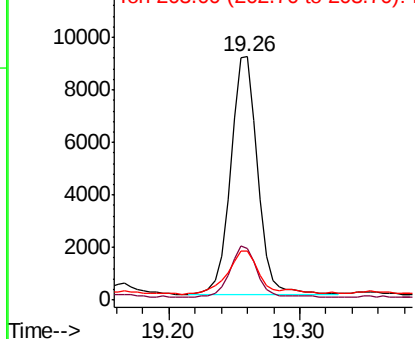


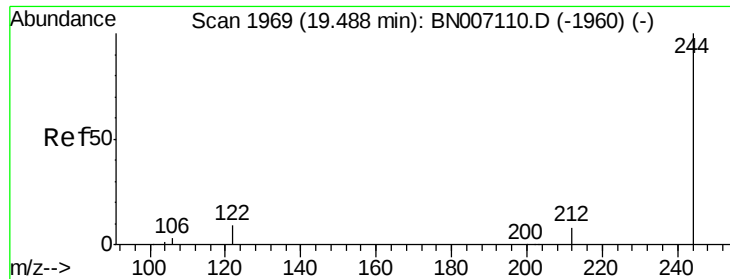
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





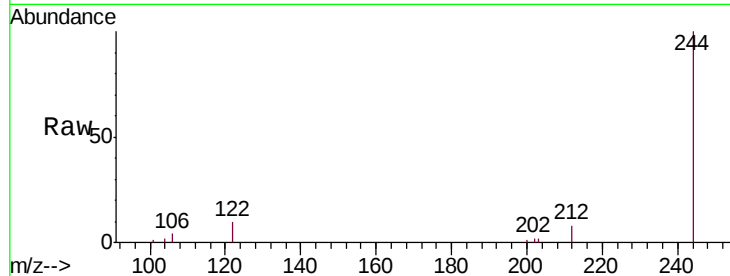
#28
 Terphenyl-d14
 Concen: 0.177 ng
 RT: 19.48 min Scan# 1968
 Delta R.T. -0.02 min
 Lab File: BN007216.D
 Acq: 16 Aug 2019 02:57

Instrument :
 BNA_N
 ClientSampleId :
 PST-029-B216-080819

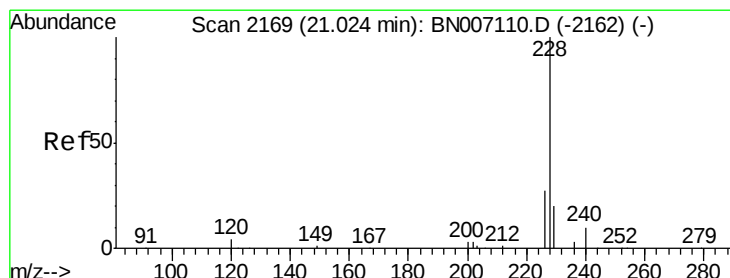
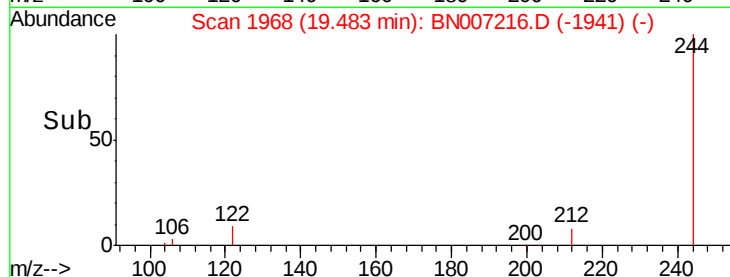
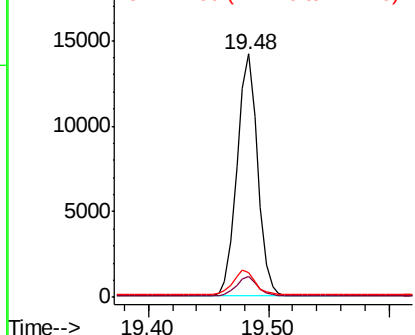
Tgt Ion	Ratio	Resp	Lower	Upper
244	100	16813		
212	8.4		6.2	9.2
122	10.2		7.4	11.2

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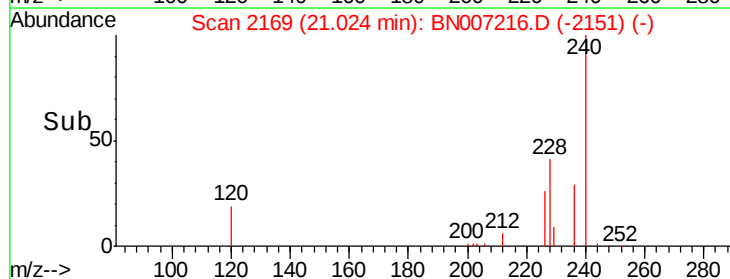
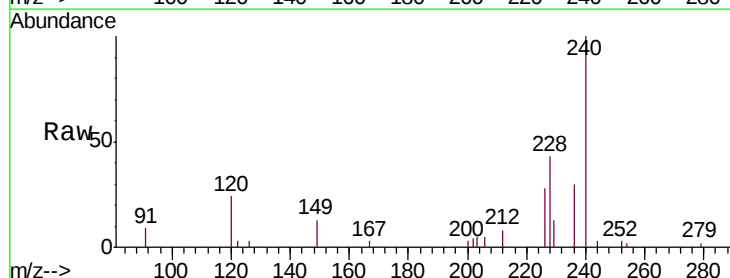
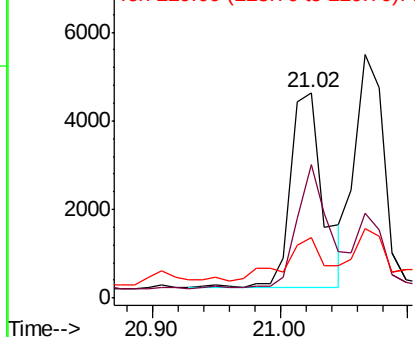
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

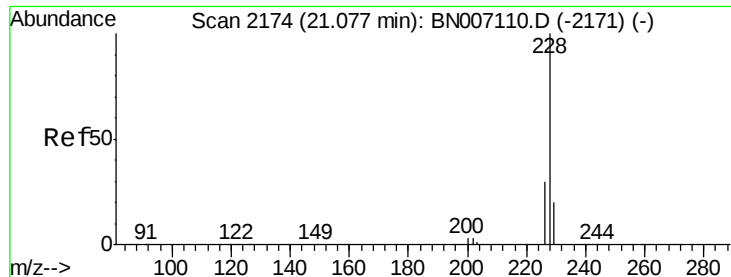


#29
 Benzo(a)anthracene
 Concen: 0.061 ng
 RT: 21.02 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: BN007216.D
 Acq: 16 Aug 2019 02:57

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	7765		
226	65.1		21.8	32.6#
229	29.1		15.6	23.4#

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





#30

Chrysene

Concen: 0.065 ng

RT: 21.07 min Scan# 2173

Delta R.T. -0.02 min

Lab File: BN007216.D

Acq: 16 Aug 2019 02:57

Instrument :

BNA_N

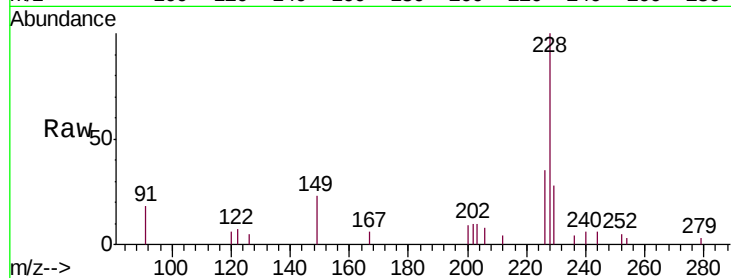
ClientSampleId :

PST-029-B216-080819

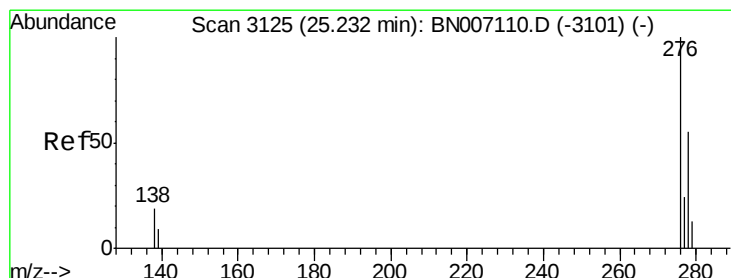
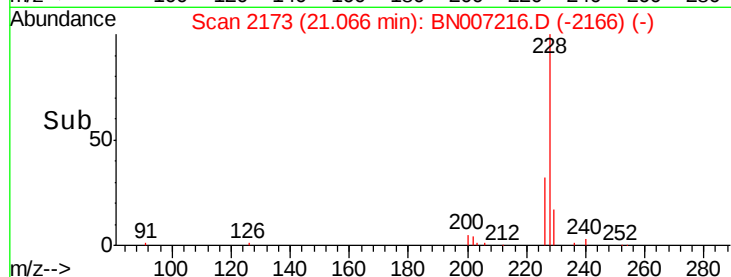
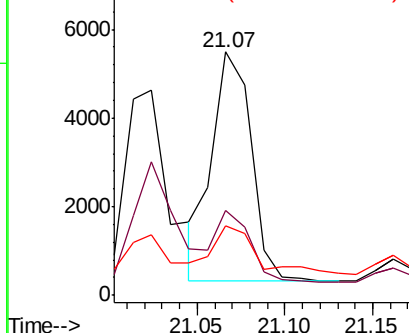
Tgt Ion:	228	Resp:	8023
Ion Ratio	Lower	Upper	
228	100		
226	34.9	23.8	35.6
229	28.3	15.7	23.5#

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8/16/2019 6:12:14 PM



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

Indeno(1,2,3-cd)pyrene

Concen: 0.043 ng

RT: 25.22 min Scan# 3122

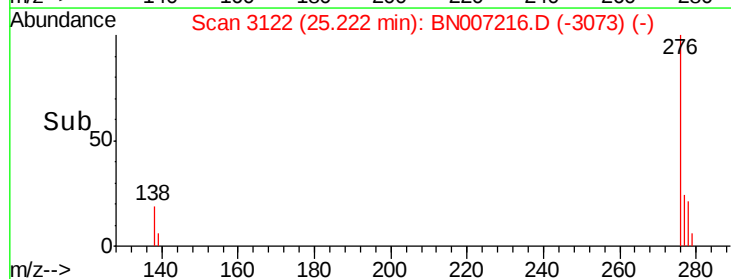
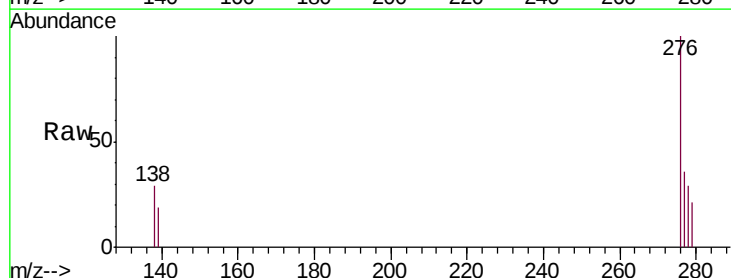
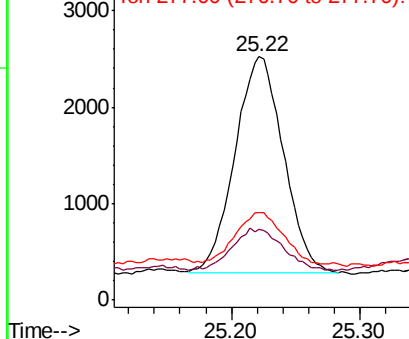
Delta R.T. -0.03 min

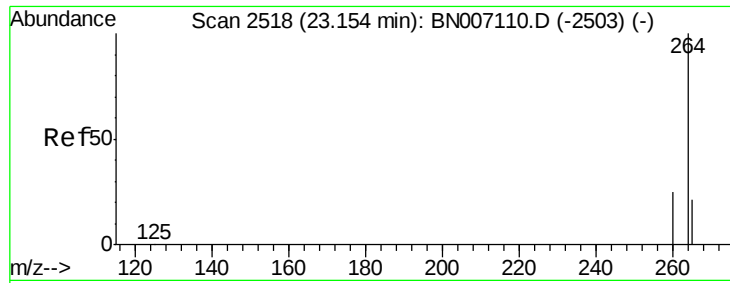
Lab File: BN007216.D

Acq: 16 Aug 2019 02:57

Tgt Ion:	276	Resp:	5882
Ion Ratio	Lower	Upper	
276	100		
138	20.1	16.0	24.0
277	25.7	19.9	29.9

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





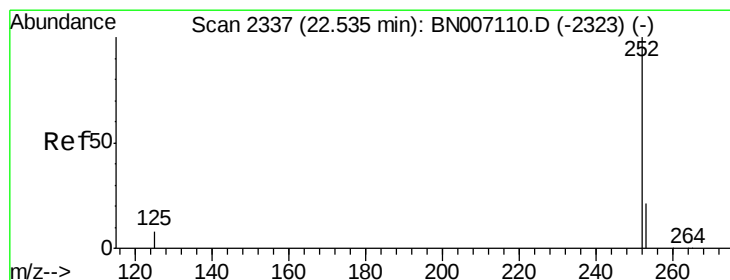
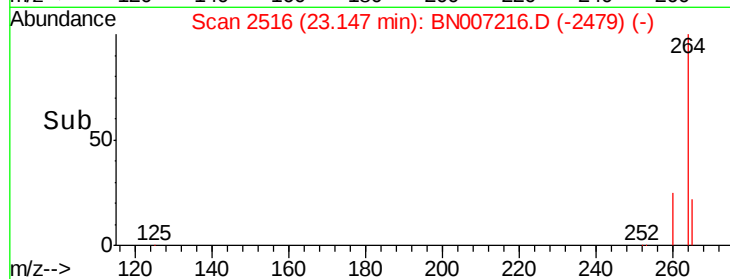
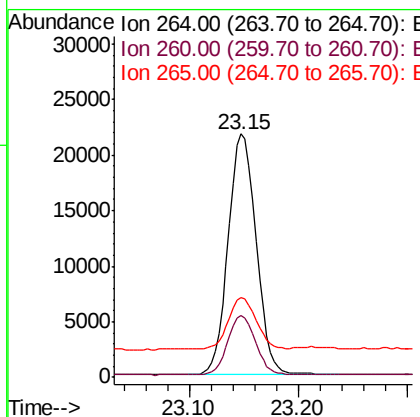
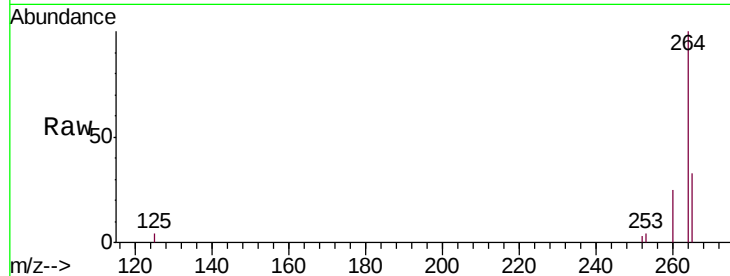
#32
Perylene-d12
 Concen: 0.400 ng
 RT: 23.15 min Scan# 2516
 Delta R.T. -0.02 min
 Lab File: BN007216.D
 Acq: 16 Aug 2019 02:57

Instrument :
 BNA_N
 ClientSampleId :
 PST-029-B216-080819

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.8	29.8
265	32.9	26.2	39.4

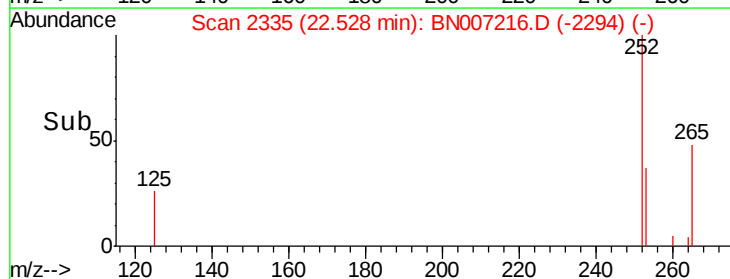
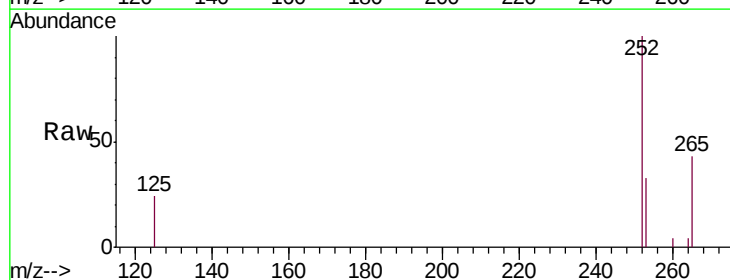
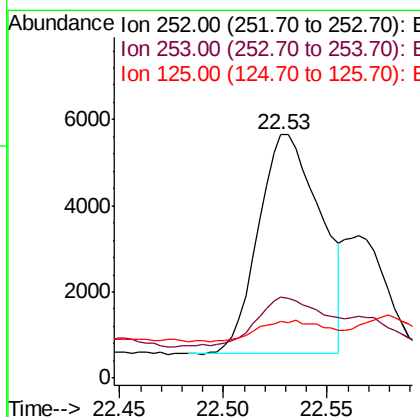
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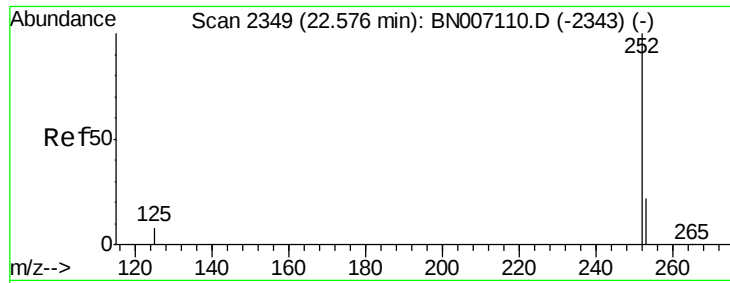
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#33
Benzo(b)fluoranthene
 Concen: 0.080 ng
 RT: 22.53 min Scan# 2335
 Delta R.T. -0.02 min
 Lab File: BN007216.D
 Acq: 16 Aug 2019 02:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.3	18.2	27.2#
125	23.5	7.4	11.0#





#34

Benzo(k)fluoranthene

Concen: 0.034 ng m

RT: 22.57 min Scan# 2346

Delta R.T. -0.02 min

Lab File: BN007216.D

Acq: 16 Aug 2019 02:57

Instrument :

BNA_N

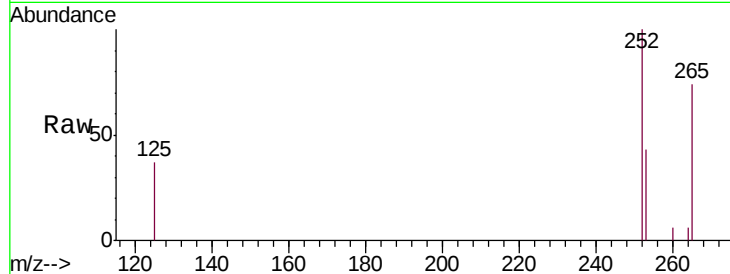
ClientSampleId :

PST-029-B216-080819

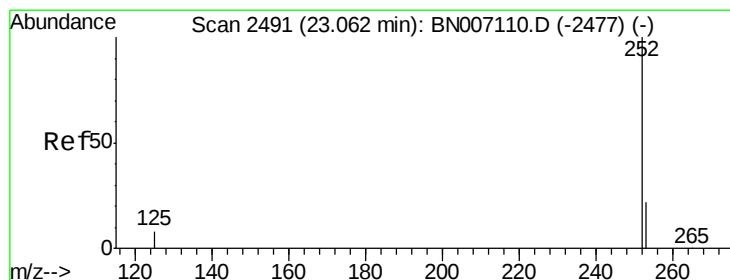
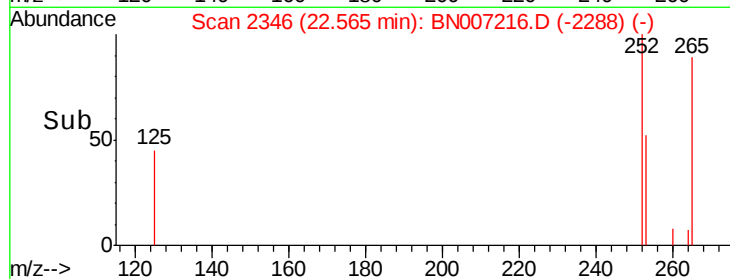
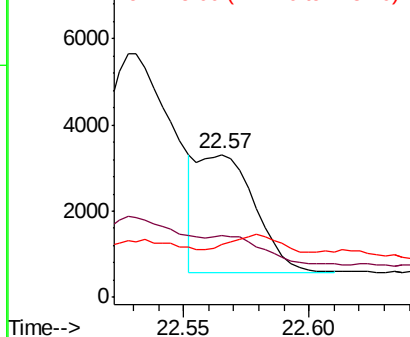
Tgt Ion:	252	Resp:	4452
Ion Ratio	Lower	Upper	
252	100		
253	43.2	18.1	27.1#
125	37.4	7.4	11.0#

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8/16/2019 6:12:14 PM



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#35

Benzo(a)pyrene

Concen: 0.063 ng

RT: 23.06 min Scan# 2490

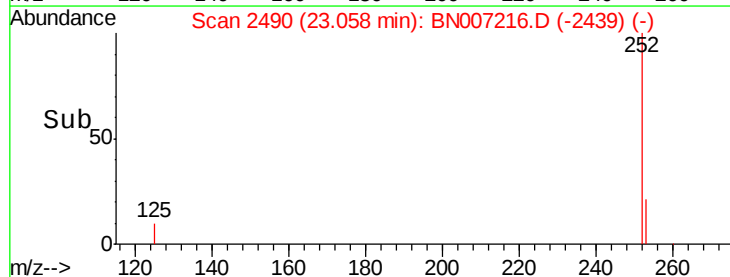
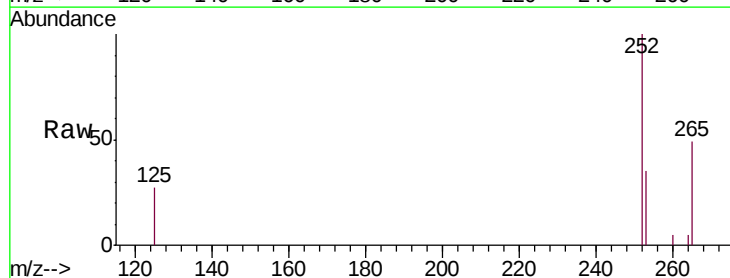
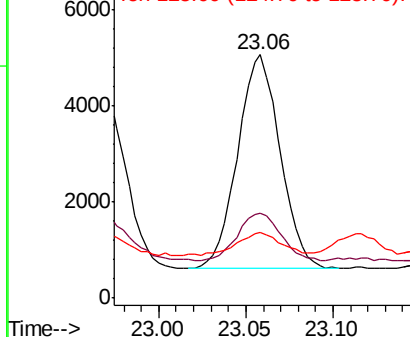
Delta R.T. -0.02 min

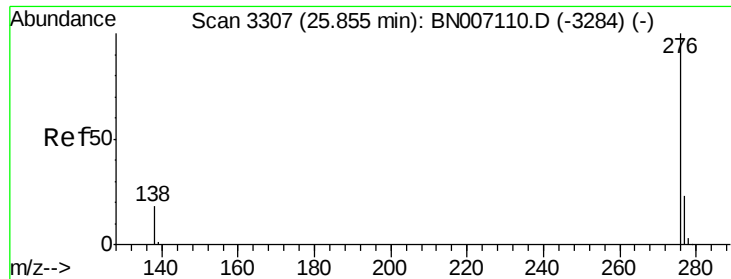
Lab File: BN007216.D

Acq: 16 Aug 2019 02:57

Tgt Ion:	252	Resp:	7545
Ion Ratio	Lower	Upper	
252	100		
253	34.8	18.5	27.7#
125	26.7	8.2	12.4#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#37

Benzo(g,h,i)perylene

Concen: 0.061 ng

RT: 25.85 min Scan# 3305

Delta R.T. -0.03 min

Lab File: BN007216.D

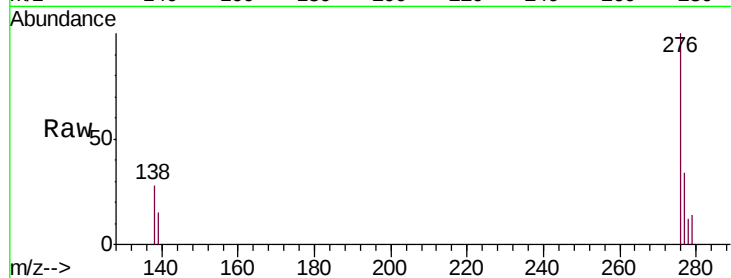
Acq: 16 Aug 2019 02:57

Instrument :

BNA_N

ClientSampleId :

PST-029-B216-080819



Tgt	Ion	276	Resp:	7519
Ion	Ratio	Lower	Upper	
276	100			
277	34.0	19.8	29.8#	
138	27.6	14.6	22.0#	

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