

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032219\
 Data File : BN004914.D
 Acq On : 23 Mar 2019 08:33
 Operator : JU/SJ
 Sample : K1817-14
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-027-B116-030619

Manual Integrations
 APPROVED

Sohil
 3/25/2019 8:57:09 AM

Quant Time: Mar 24 00:51:35 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	7.69	152	4501	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	19065	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	10297	0.40	ng	-0.01
19) Phenanthrene-d10	17.08	188	23171	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	20116	0.40	ng	-0.01
34) Perylene-d12	23.53	264	19309	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.28	112	5569	0.46	ng	0.00
5) Phenol-d6	6.86	99	7049	0.46	ng	-0.02
8) Nitrobenzene-d5	8.84	82	5560	0.44	ng	-0.03
11) 2-Methylnaphthalene-d10	12.07	152	11454	0.34	ng	-0.01
14) 2,4,6-Tribromophenol	15.83	330	2825	0.40	ng	-0.02
15) 2-Fluorobiphenyl	12.95	172	16018	0.38	ng	-0.01
25) Fluoranthene-d10	19.12	212	21174	0.27	ng	-0.01
29) Terphenyl-d14	19.72	244	15345	0.37	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.52	128	10120	0.189	ng	99
12) 2-Methylnaphthalene	12.14	142	6536	0.165	ng	99
16) Acenaphthylene	14.05	152	58434	1.102	ng	99
17) Acenaphthene	14.39	154	5679	0.163	ng	97
18) Fluorene	15.38	166	14015	0.289	ng	# 87
23) Phenanthrene	17.12	178	282351	3.774	ng	99
24) Anthracene	17.22	178	39944	0.598	ng	# 96
26) Fluoranthene	19.15	202	362016	3.765	ng	98
28) Pyrene	19.51	202	438798	7.154	ng	97
30) Benzo(a)anthracene	21.27	228	172695m	2.618	ng	
31) Chrysene	21.32	228	186211	2.680	ng	96
32) Bis(2-ethylhexyl)phthalate	21.18	149	36888	1.399	ng	99
33) Indeno(1,2,3-cd)pyrene	25.79	276	99450	0.989	ng	98
35) Benzo(b)fluoranthene	22.86	252	189802	2.717	ng	# 95
36) Benzo(k)fluoranthene	22.89	252	66031m	0.961	ng	
37) Benzo(a)pyrene	23.43	252	148019	2.310	ng	98
38) Dibenzo(a,h)anthracene	25.80	278	28837	0.389	ng	# 82
39) Benzo(a,h,i)perylene	26.50	276	108815	1.439	ng	98

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

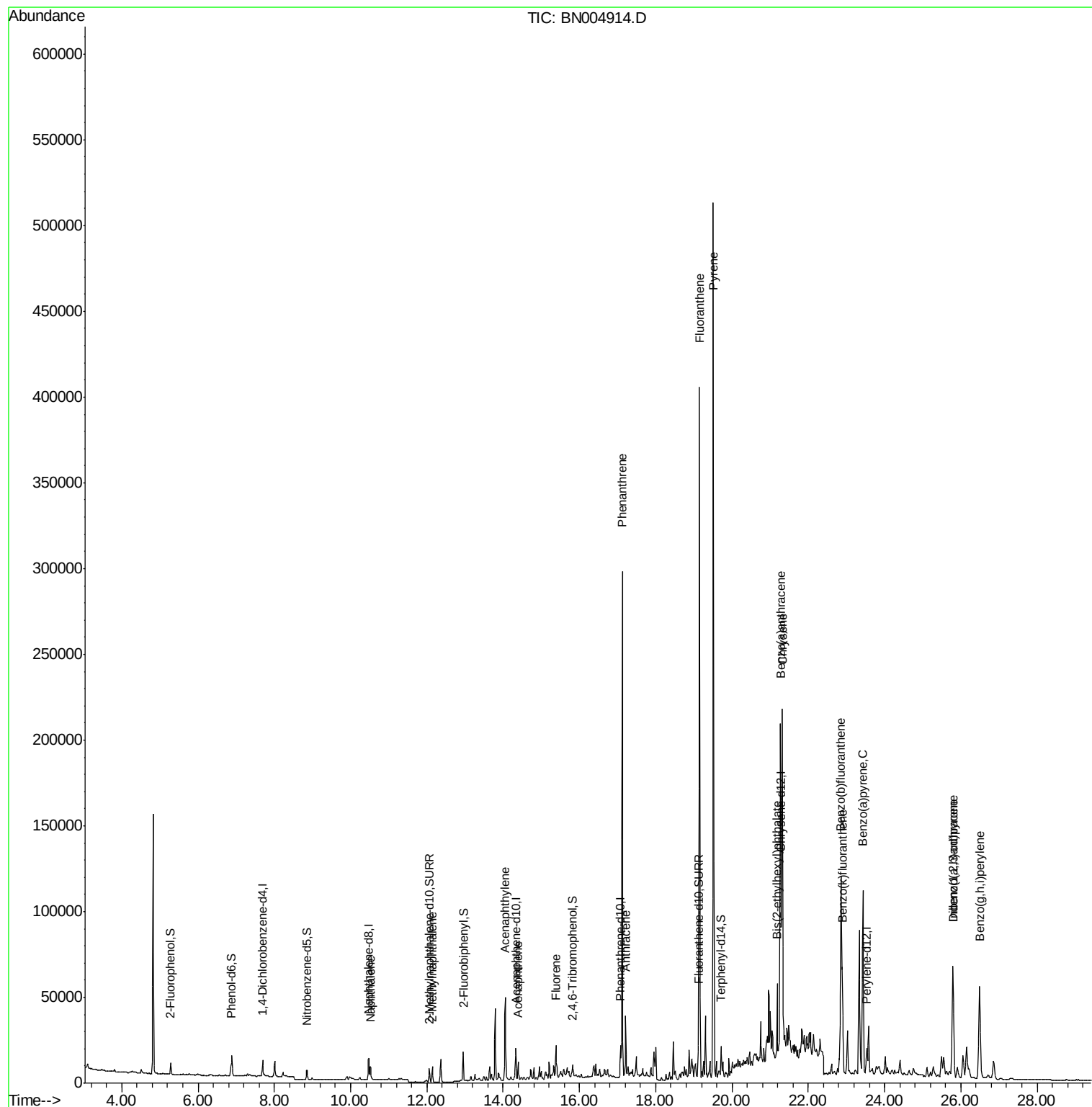
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032219\
Data File : BN004914.D
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ALS Vial : 22 Sample Multiplier: 1

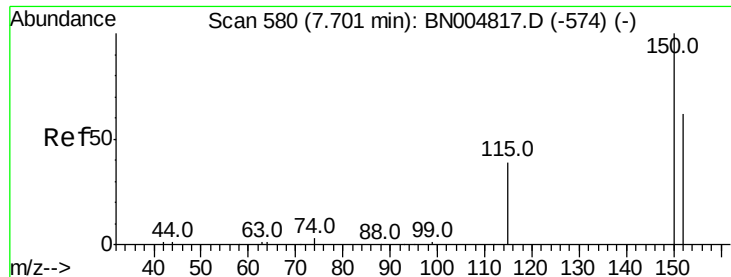
Instrument :
BNA_N
ClientSampleId :
PST-027-B116-030619

Manual Integrations
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3/25/2019 8:57:09 AM

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.69 min Scan# 579

Delta R.T. -0.01 min

Lab File: BN004914.D

Acq: 23 Mar 2019 08:33

Instrument :

BNA_N

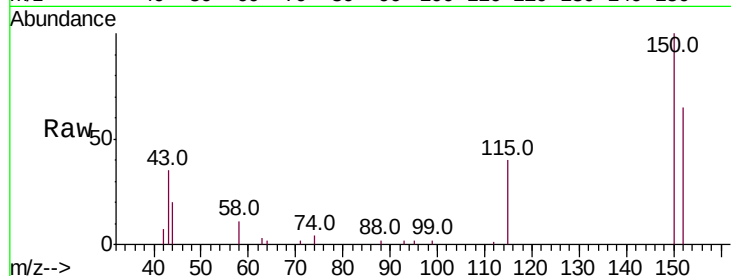
ClientSampleId :

PST-027-B116-030619

Tot Ion:	152	Resp:	4501
Ion Ratio	Lower	Upper	
152	100		
150	153.8	126.2	189.4
115	61.3	52.6	79.0

Manual Integrations
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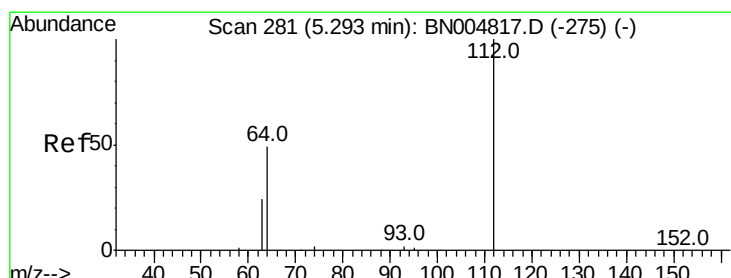
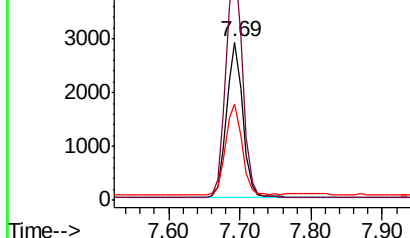
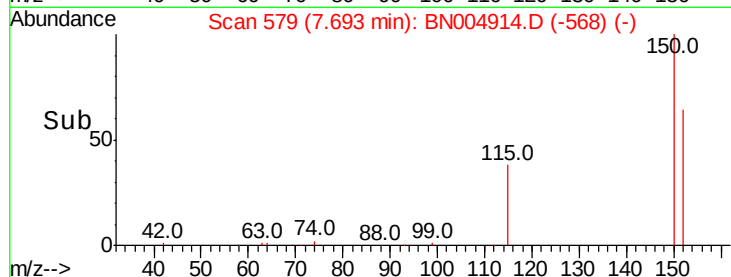


Abundance

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: 0.455 ng

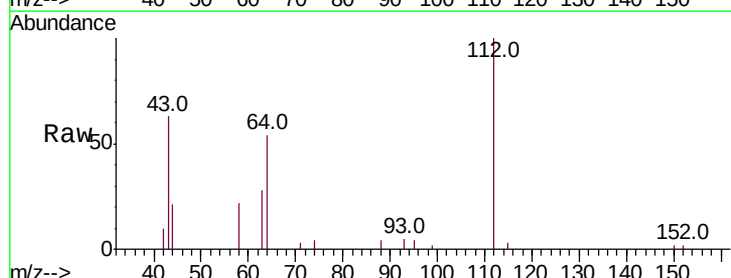
RT: 5.28 min Scan# 280

Delta R.T. -0.01 min

Lab File: BN004914.D

Acq: 23 Mar 2019 08:33

Tgt Ion:	112	Resp:	5569
Ion Ratio	Lower	Upper	
112	100		
64	51.6	40.0	60.0
63	25.6	20.2	30.2

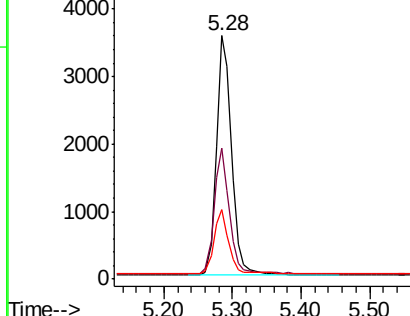
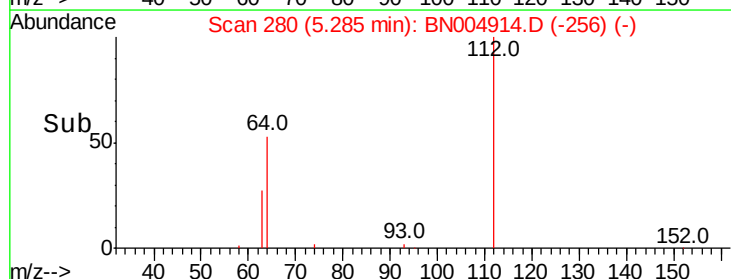


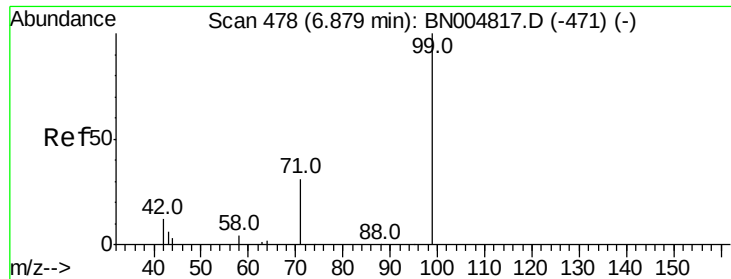
Abundance

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: 0.463 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004914.D

Acq: 23 Mar 2019 08:33

Instrument :

BNA_N

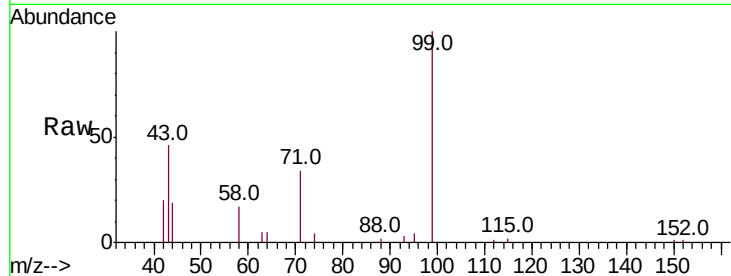
ClientSampleId :

PST-027-B116-030619

Tot Ion:	99	Resp:	7049
Ion	Ratio	Lower	Upper
99	100		
42	21.9	12.7	19.1#
71	32.0	26.6	40.0

Manual Integrations
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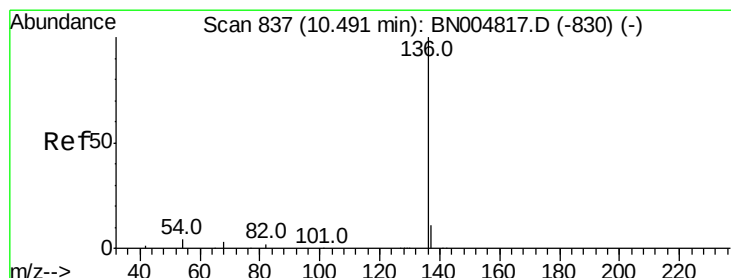
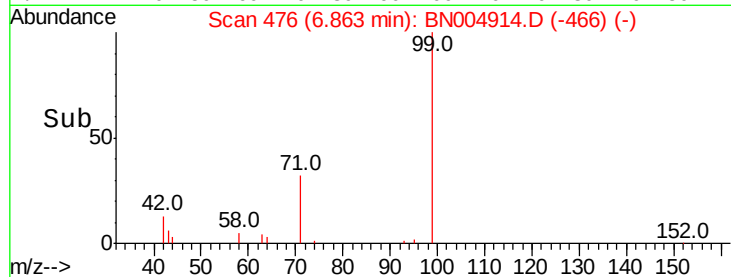
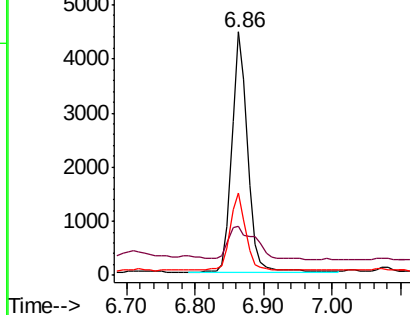


Abundance

Ion 99.00 (98.70 to 99.70): BN004817.D (-471) (-)

Ion 42.00 (41.70 to 42.70): BN004817.D (-471) (-)

Ion 71.00 (70.70 to 71.70): BN004817.D (-471) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.48 min Scan# 836

Delta R.T. -0.01 min

Lab File: BN004914.D

Acq: 23 Mar 2019 08:33

Tgt Ion:	136	Resp:	19065
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.6	14.4
54	4.6	4.2	6.2
68	4.4	3.9	5.9

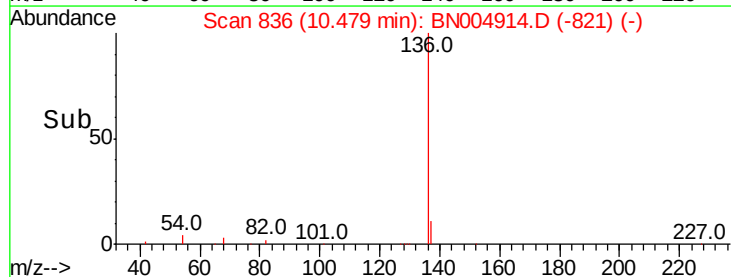
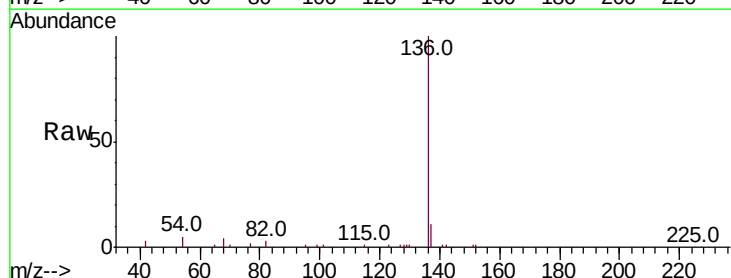
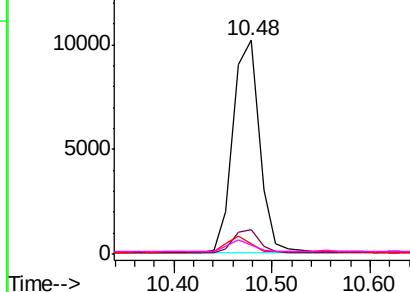
Abundance

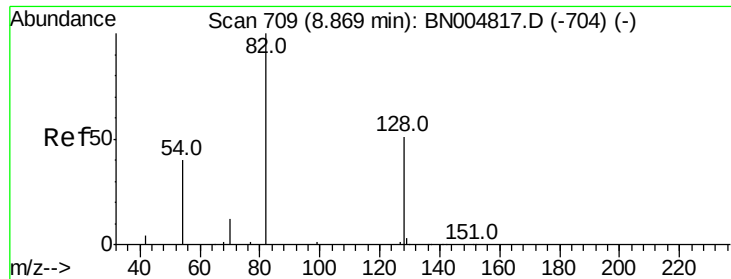
Ion 136.00 (135.70 to 136.70): BN004817.D (-830) (-)

Ion 137.00 (136.70 to 137.70): BN004817.D (-830) (-)

Ion 54.00 (53.70 to 54.70): BN004817.D (-830) (-)

Ion 68.00 (67.70 to 68.70): BN004817.D (-830) (-)





#8

Nitrobenzene-d5

Concen: 0.441 ng

RT: 8.84 min Scan# 707

Delta R.T. -0.03 min

Lab File: BN004914.D

Acq: 23 Mar 2019 08:33

Instrument :

BNA_N

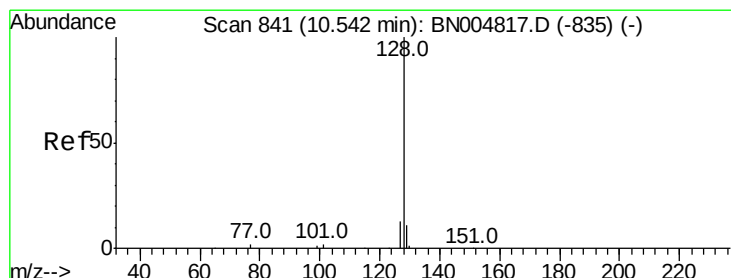
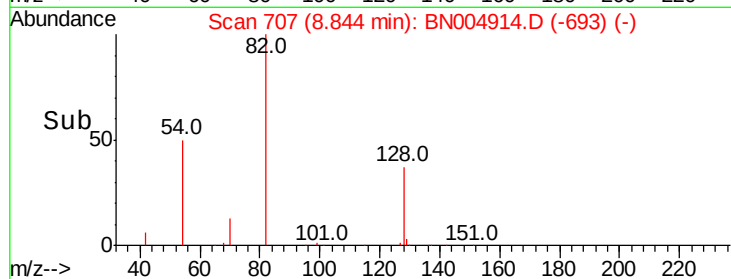
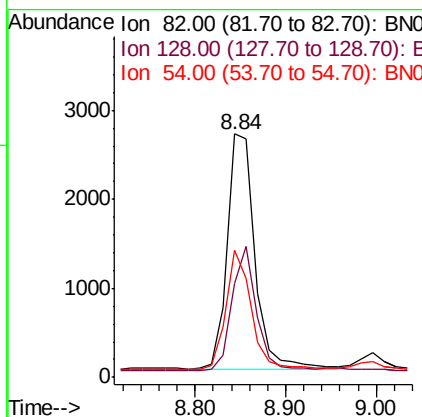
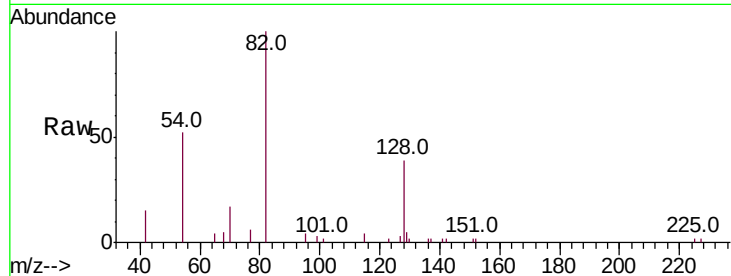
ClientSampleId :

PST-027-B116-030619

Tot Ion:	82	Resp:	5560
Ion Ratio	Lower	Upper	
82	100		
128	38.6	43.0	64.6#
54	52.0	35.3	52.9

Manual Integrations
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#9

Naphthalene

Concen: 0.189 ng

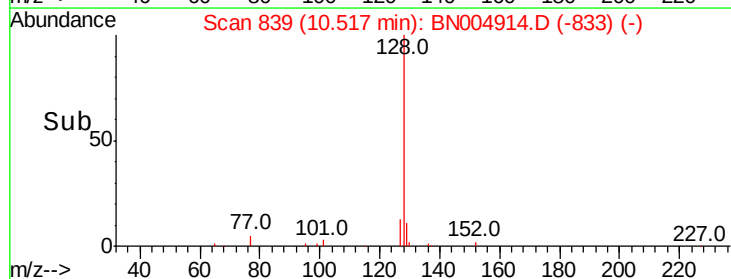
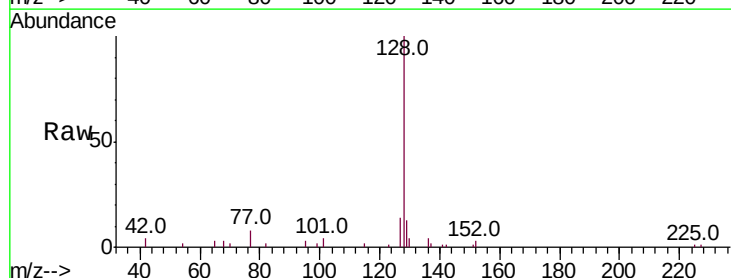
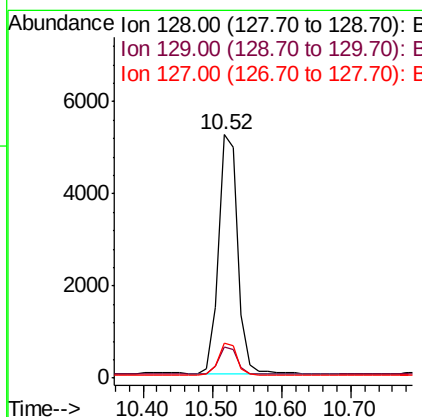
RT: 10.52 min Scan# 839

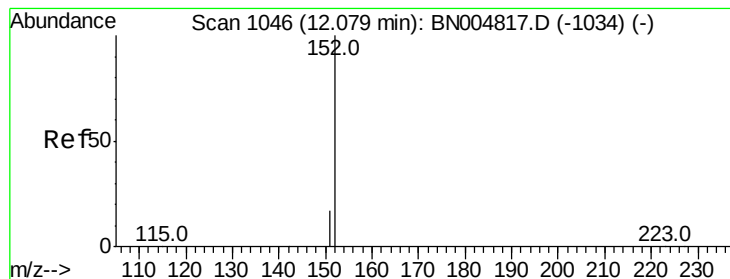
Delta R.T. -0.03 min

Lab File: BN004914.D

Acq: 23 Mar 2019 08:33

Tgt Ion:	128	Resp:	10120
Ion Ratio	Lower	Upper	
128	100		
129	12.8	9.9	14.9
127	14.4	11.3	16.9





#11

2-Methylnaphthalene-d10

Concen: 0.344 ng

RT: 12.07 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BN004914.D

Acq: 23 Mar 2019 08:33

Instrument :

BNA_N

ClientSampleId :

PST-027-B116-030619

Tot Ion:152 Resp: 11454

Ion Ratio Lower Upper

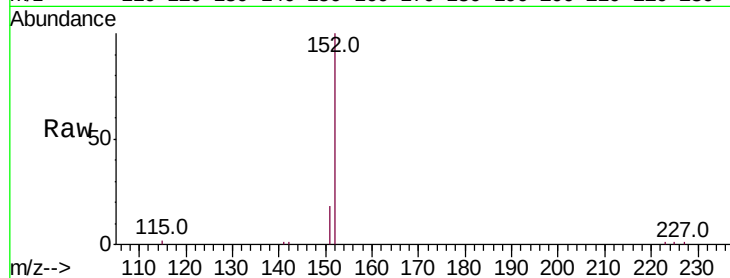
152 100

151 19.4 15.5 23.3

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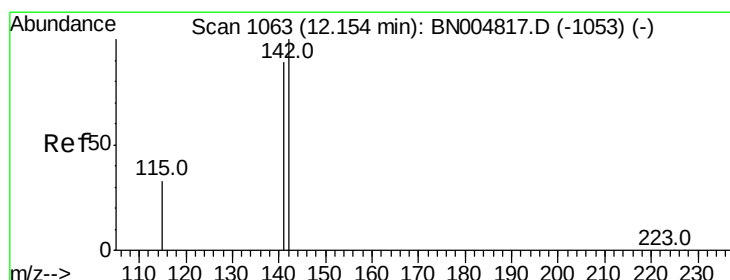
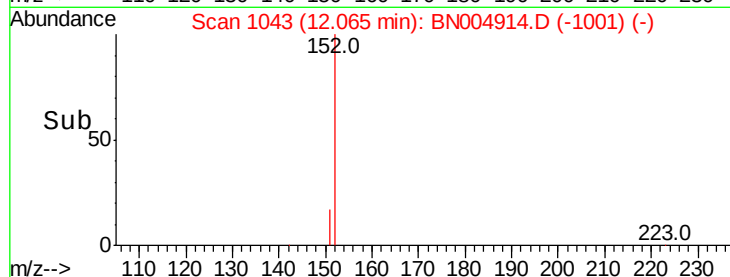
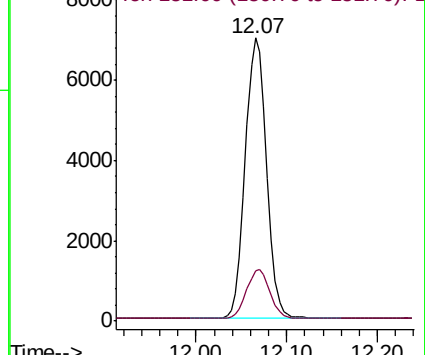
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.165 ng

RT: 12.14 min Scan# 1060

Delta R.T. -0.01 min

Lab File: BN004914.D

Acq: 23 Mar 2019 08:33

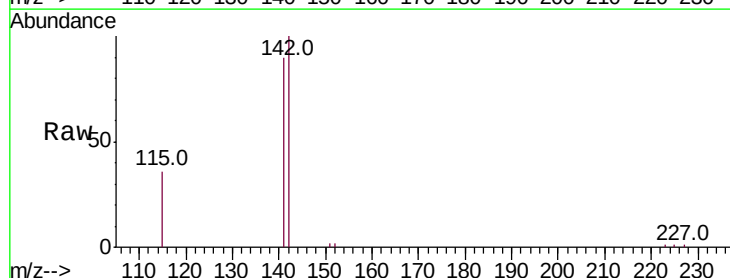
Tgt Ion:142 Resp: 6536

Ion Ratio Lower Upper

142 100

141 89.6 71.4 107.2

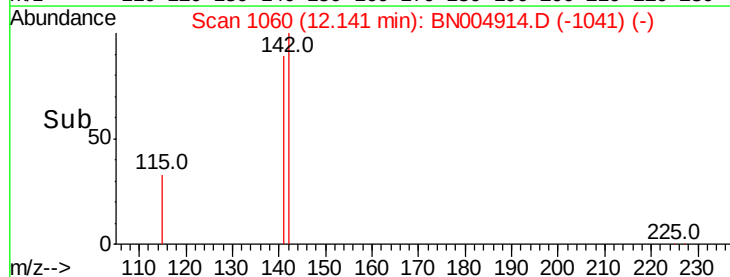
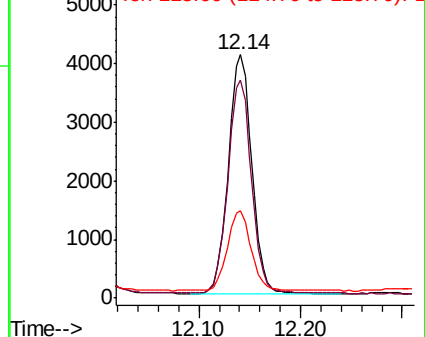
115 36.0 27.5 41.3

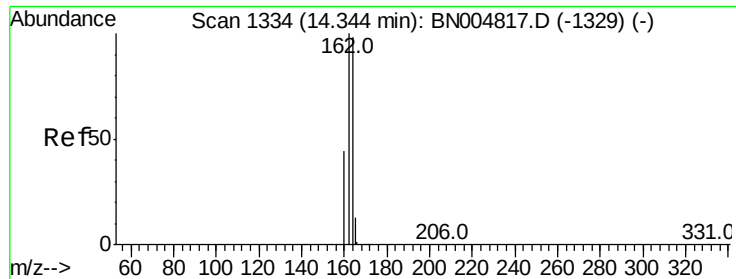


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN004914.D

Acq: 23 Mar 2019 08:33

Instrument :

BNA_N

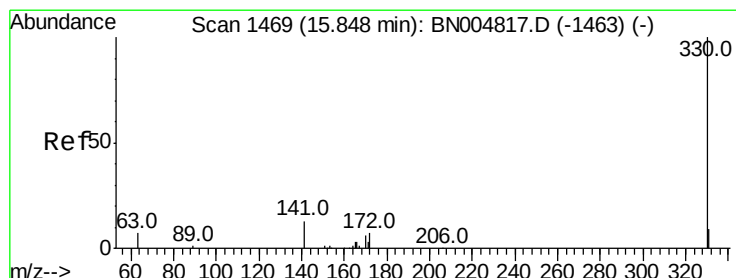
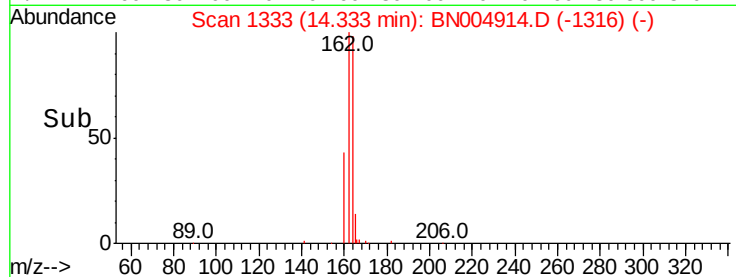
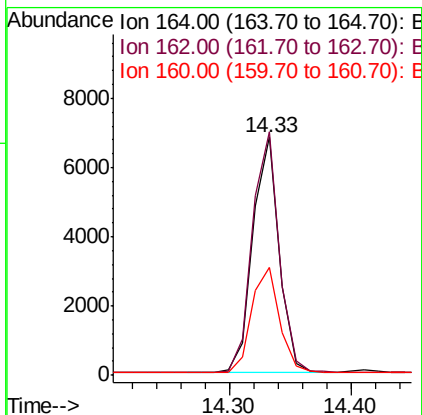
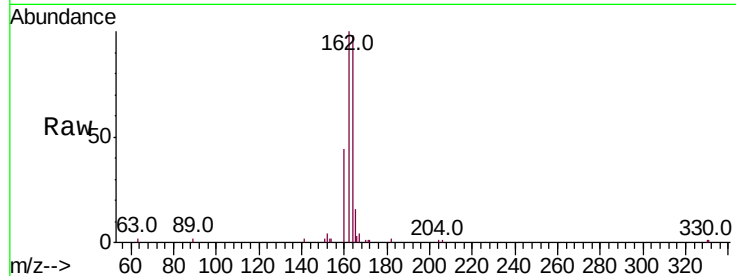
ClientSampleId :

PST-027-B116-030619

Tot Ion:	164	Resp:	10297
Ion Ratio	Lower	Upper	
164	100		
162	102.3	81.9	122.9
160	45.3	36.6	54.8

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#14

2,4,6-Tribromophenol

Concen: 0.397 ng

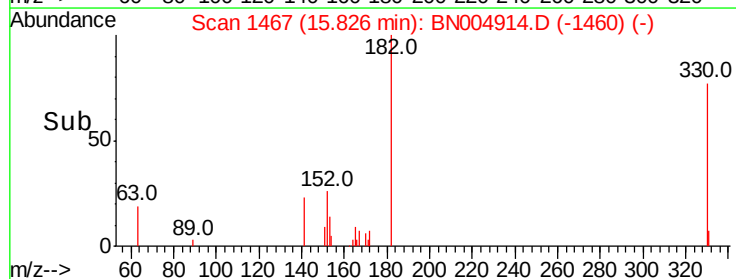
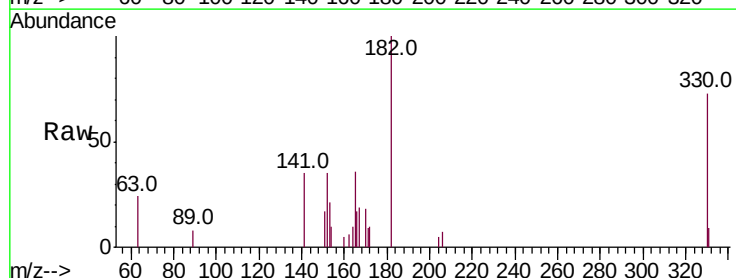
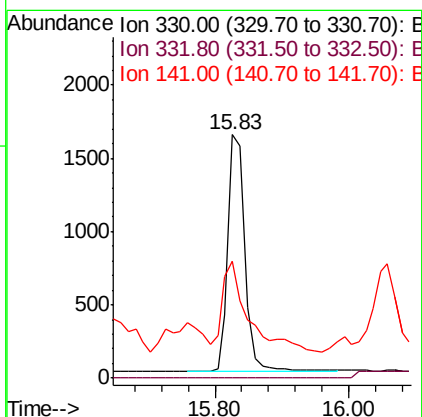
RT: 15.83 min Scan# 1467

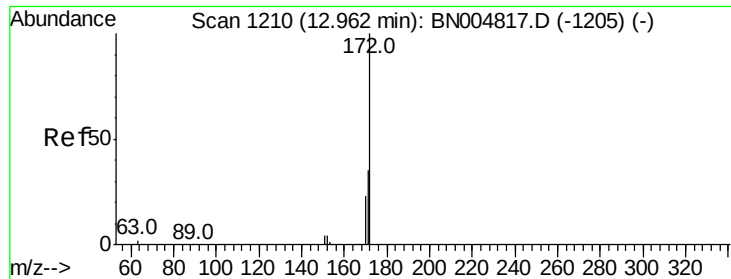
Delta R.T. -0.02 min

Lab File: BN004914.D

Acq: 23 Mar 2019 08:33

Tgt Ion:	330	Resp:	2825
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	57.5	20.9	31.3#





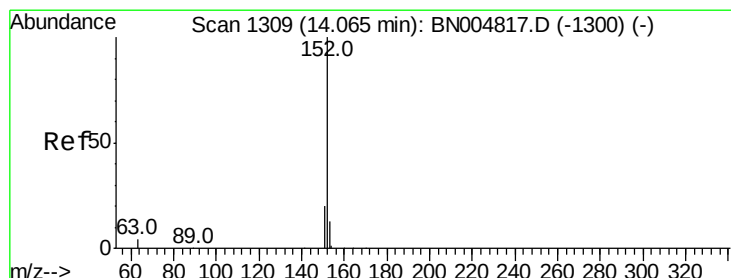
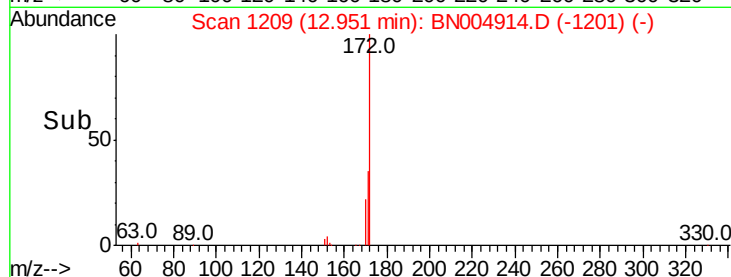
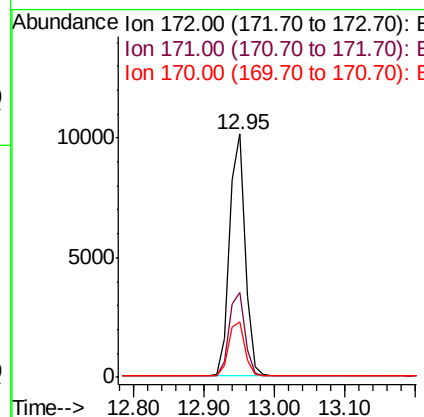
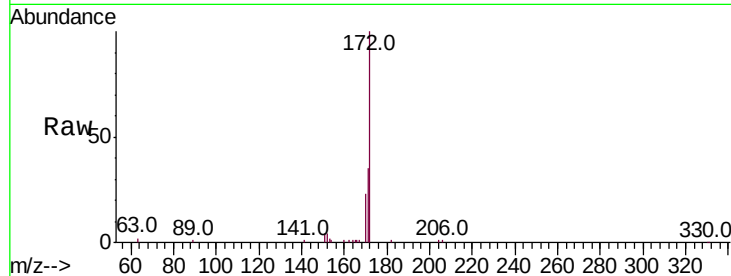
#15
2-Fluorobiphenyl
Concen: 0.376 ng
RT: 12.95 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BN004914.D
Acq: 23 Mar 2019 08:33

Instrument :
BNA_N
ClientSampleId :
PST-027-B116-030619

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.7	43.1
170	22.5	18.7	28.1

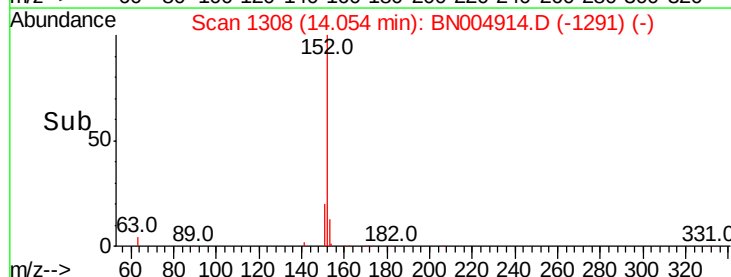
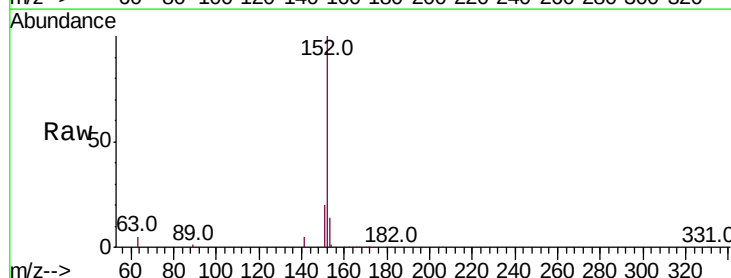
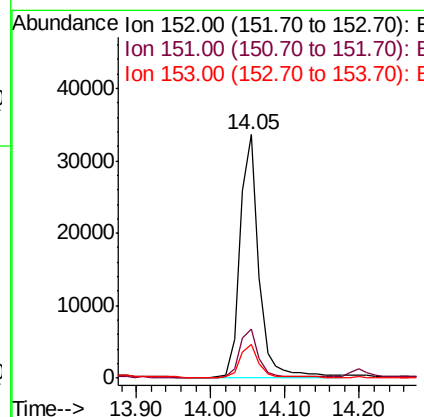
Manual Integrations
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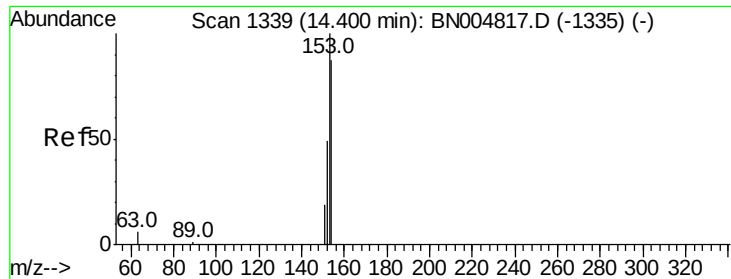
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#16
Acenaphthylene
Concen: 1.102 ng
RT: 14.05 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BN004914.D
Acq: 23 Mar 2019 08:33

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.1	24.1
153	13.6	10.5	15.7





#17

Acenaphthene

Concen: 0.163 ng

RT: 14.39 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BN004914.D

Acq: 23 Mar 2019 08:33

Instrument :

BNA_N

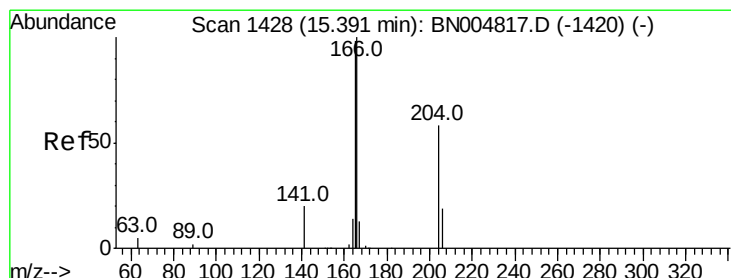
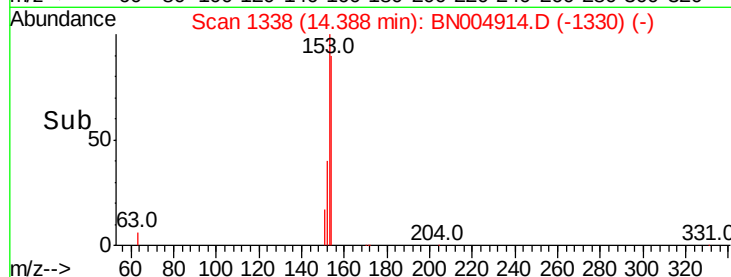
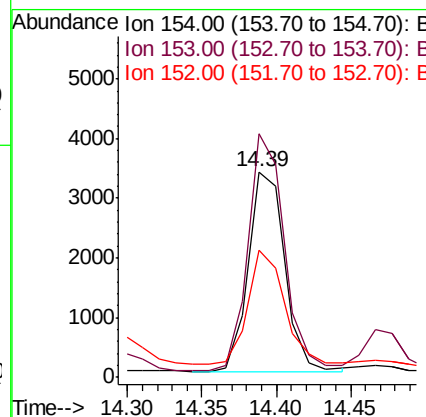
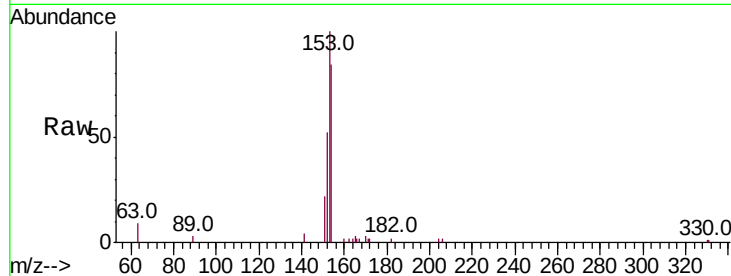
ClientSampleId :

PST-027-B116-030619

Tot Ion:	154	Resp:	5679
Ion	Ratio	Lower	Upper
154	100		
153	117.4	91.4	137.2
152	57.3	44.2	66.2

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#18

Fluorene

Concen: 0.289 ng

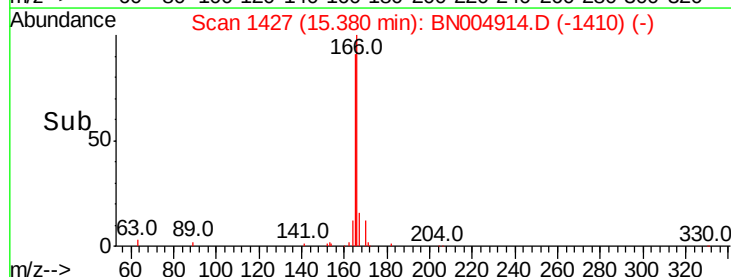
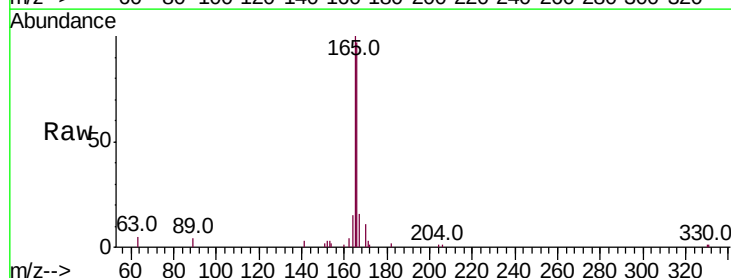
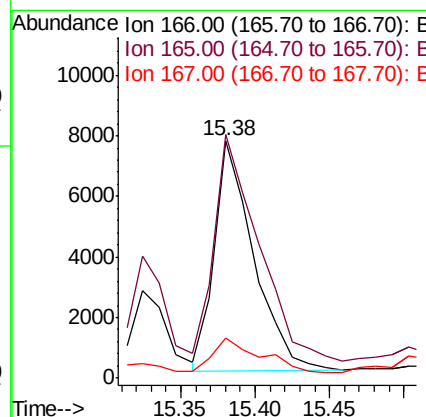
RT: 15.38 min Scan# 1427

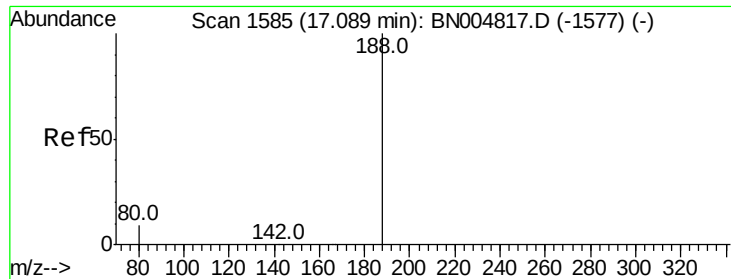
Delta R.T. -0.01 min

Lab File: BN004914.D

Acq: 23 Mar 2019 08:33

Tgt Ion:	166	Resp:	14015
Ion	Ratio	Lower	Upper
166	100		
165	110.5	78.2	117.4
167	18.6	11.0	16.4#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.08 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BN004914.D

Acq: 23 Mar 2019 08:33

Instrument :

BNA_N

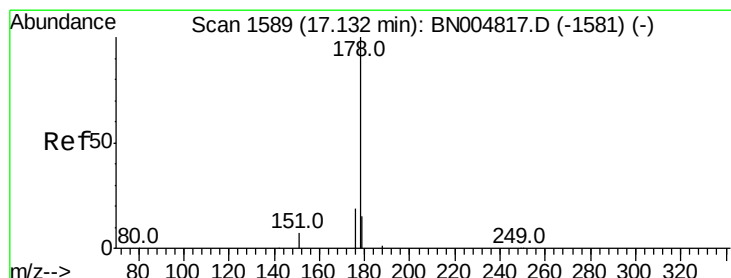
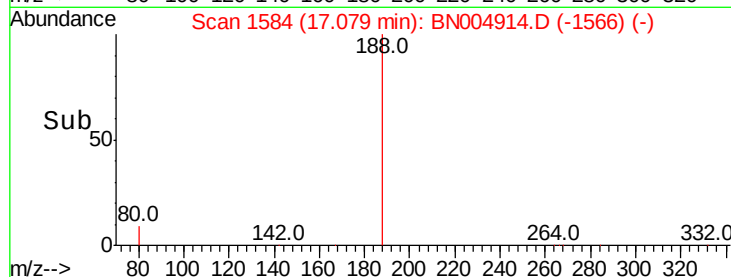
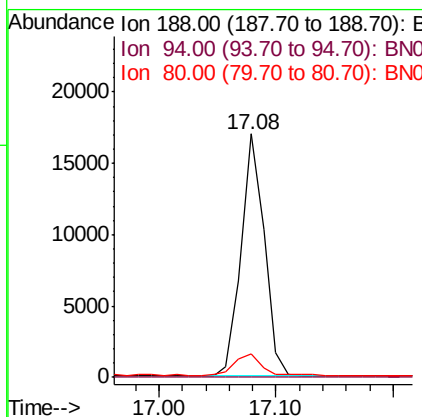
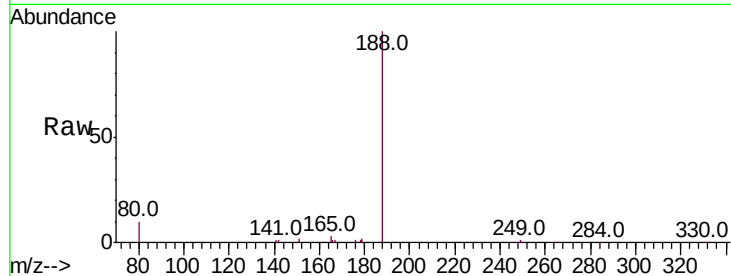
ClientSampleId :

PST-027-B116-030619

Tot Ion:	188	Resp:	23171
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	9.8	7.4	11.2

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#23

Phenanthrene

Concen: 3.774 ng

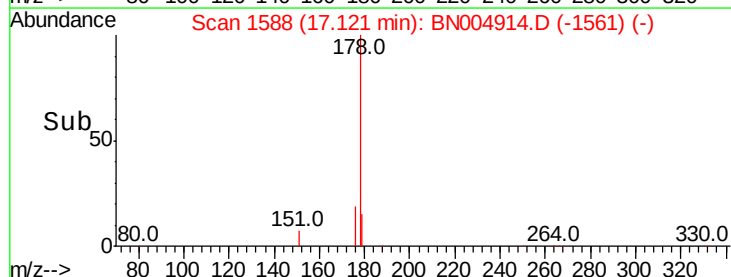
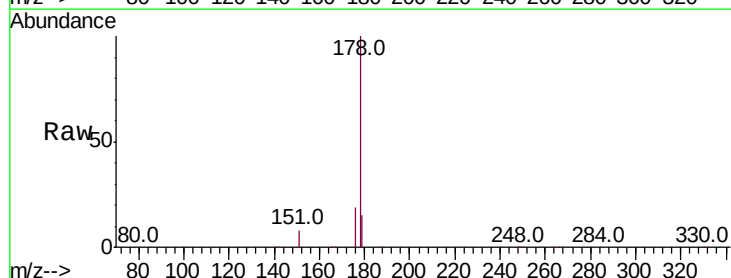
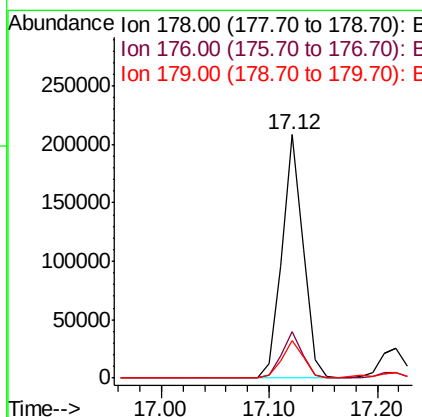
RT: 17.12 min Scan# 1588

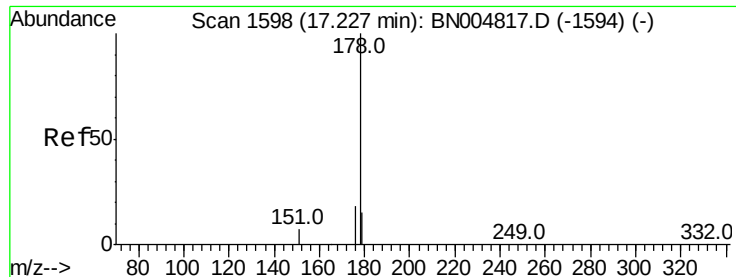
Delta R.T. -0.01 min

Lab File: BN004914.D

Acq: 23 Mar 2019 08:33

Tgt Ion:	178	Resp:	282351
Ion Ratio	Lower	Upper	
178	100		
176	18.9	14.9	22.3
179	15.5	12.1	18.1





#24

Anthracene

Concen: 0.598 ng

RT: 17.22 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BN004914.D

Acq: 23 Mar 2019 08:33

Instrument :

BNA_N

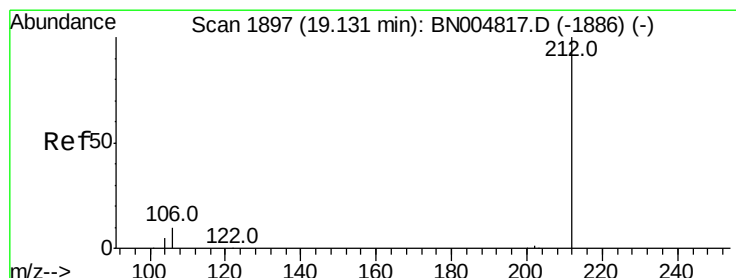
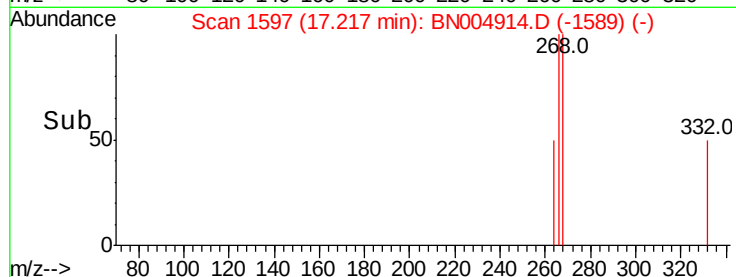
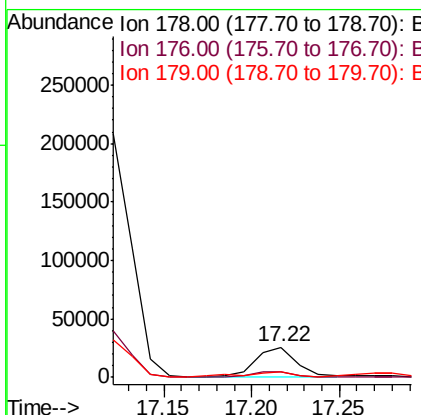
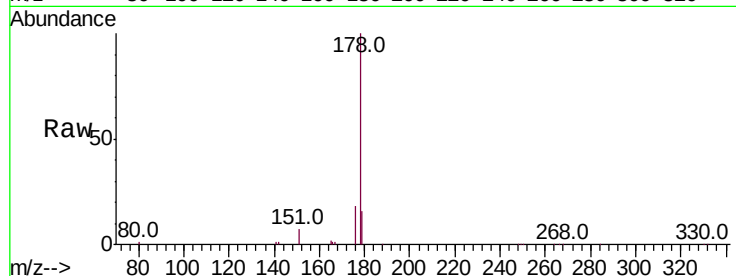
ClientSampleId :

PST-027-B116-030619

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.5	21.7
179	18.6	12.2	18.4

Manual Integrations
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#25

Fluoranthene-d10

Concen: 0.273 ng

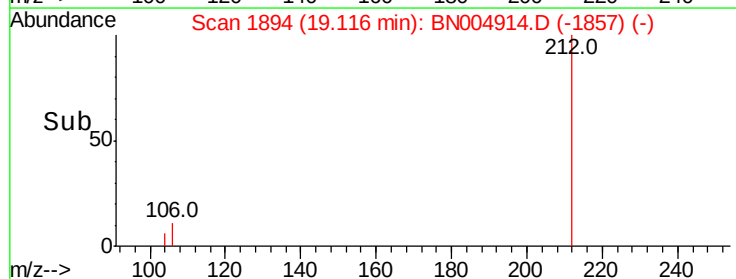
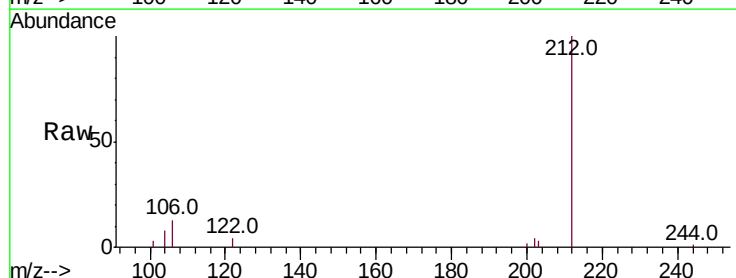
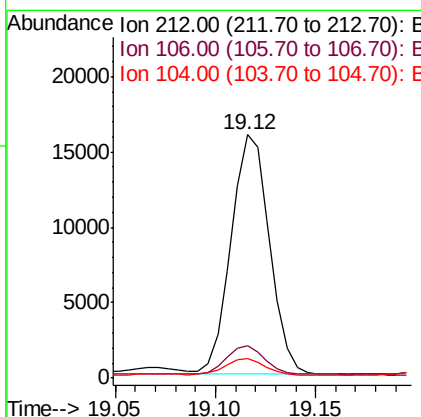
RT: 19.12 min Scan# 1894

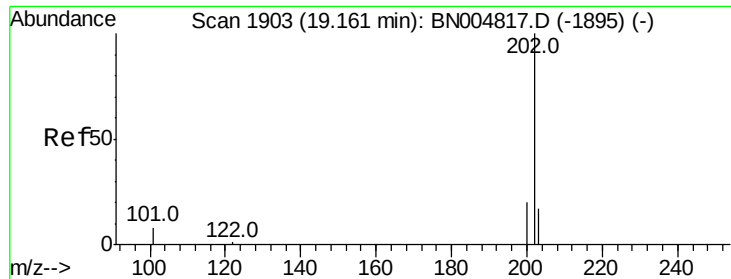
Delta R.T. -0.01 min

Lab File: BN004914.D

Acq: 23 Mar 2019 08:33

Tgt Ion	Ratio	Lower	Upper
212	100		
106	12.4	8.6	13.0
104	7.1	4.7	7.1





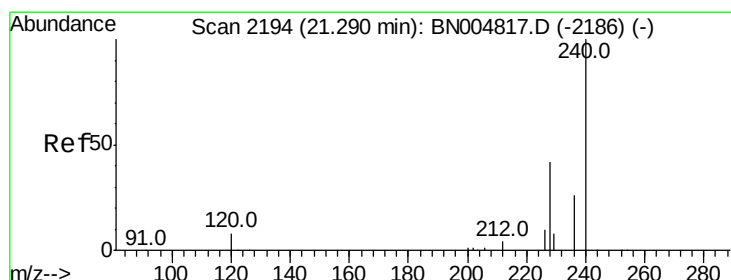
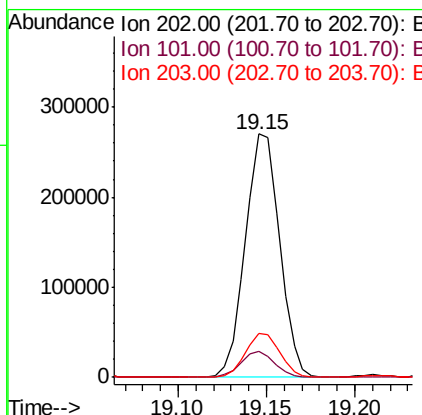
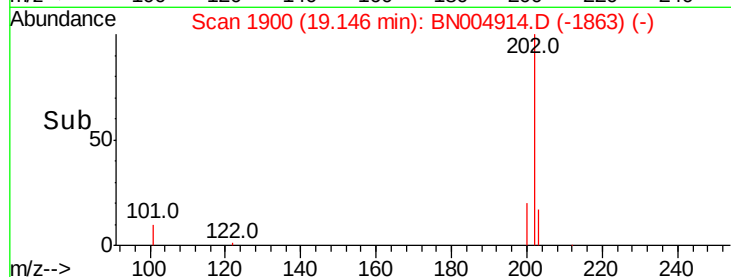
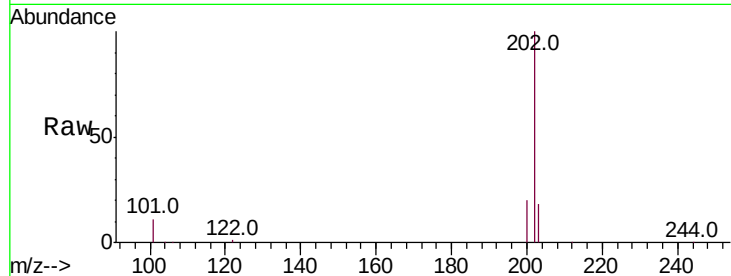
#26
Fluoranthene
Concen: 3.765 ng
RT: 19.15 min Scan# 1900
Delta R.T. -0.01 min
Lab File: BN004914.D
Acq: 23 Mar 2019 08:33

Instrument :
BNA_N
ClientSampleId :
PST-027-B116-030619

Tot Ion	Ratio	Resp	Lower	Upper
202	100	362016		
101	10.3		7.5	11.3
203	17.8		13.8	20.6

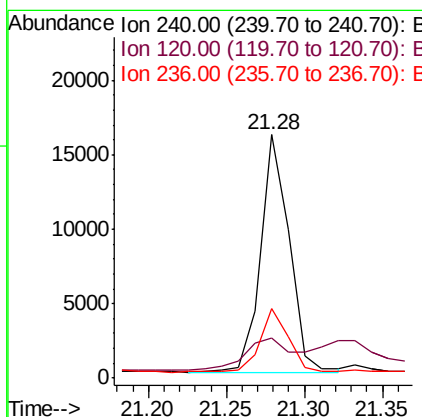
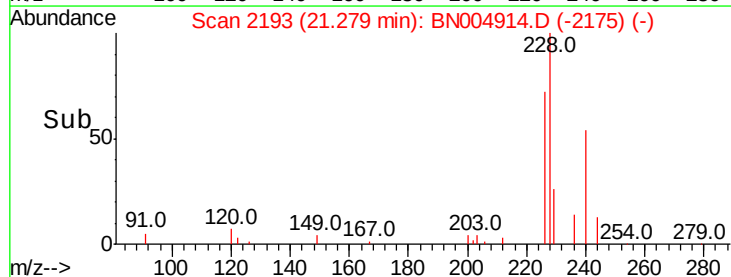
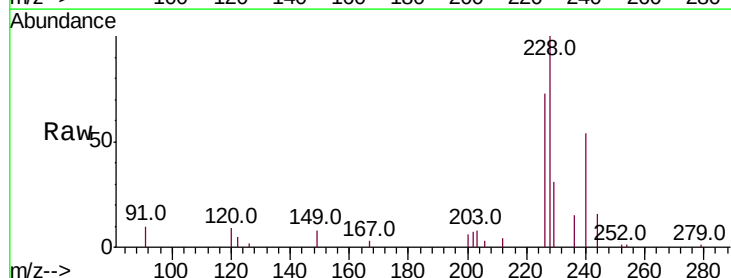
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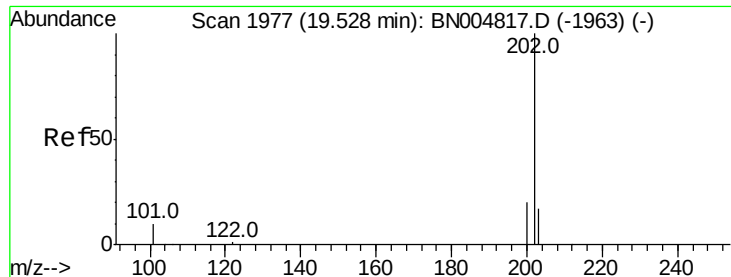
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BN004914.D
Acq: 23 Mar 2019 08:33

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	20116		
120	16.6		7.2	10.8#
236	28.7		20.9	31.3





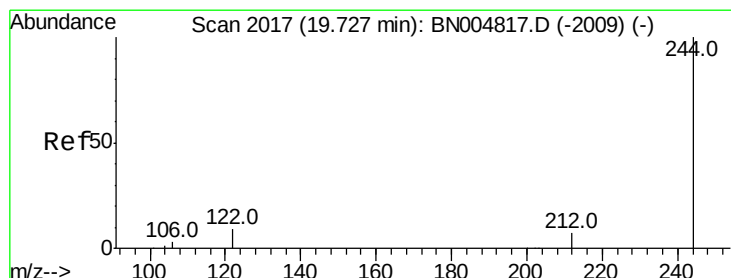
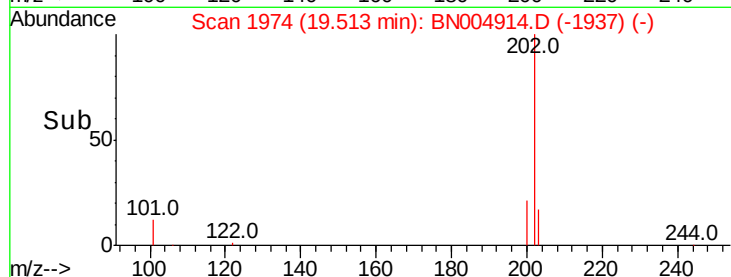
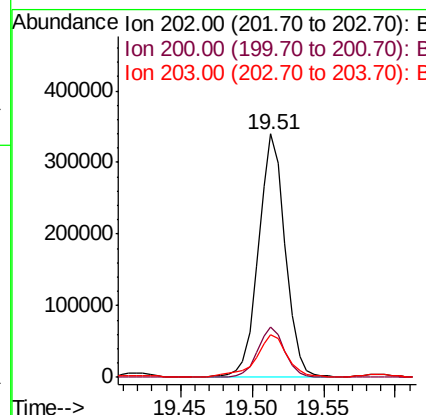
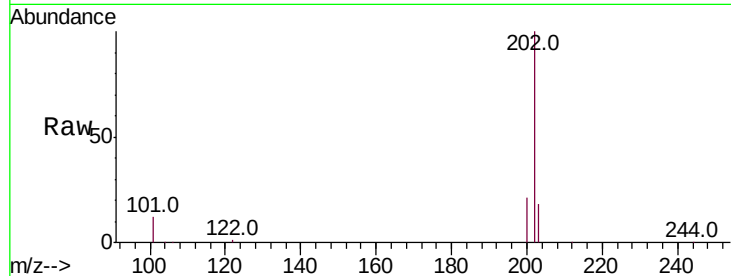
#28
Pvrene
Concen: 7.154 ng
RT: 19.51 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BN004914.D
Acq: 23 Mar 2019 08:33

Instrument :
BNA_N
ClientSampleId :
PST-027-B116-030619

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.7	16.3	24.5	
203	20.2	14.0	21.0	

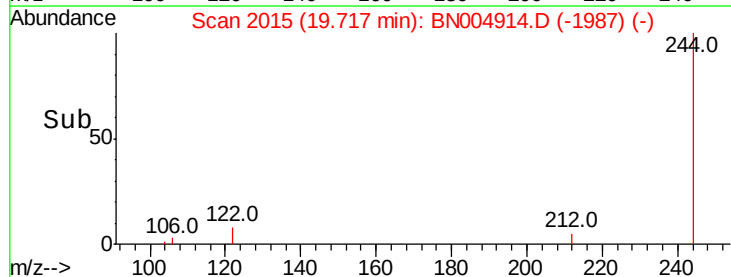
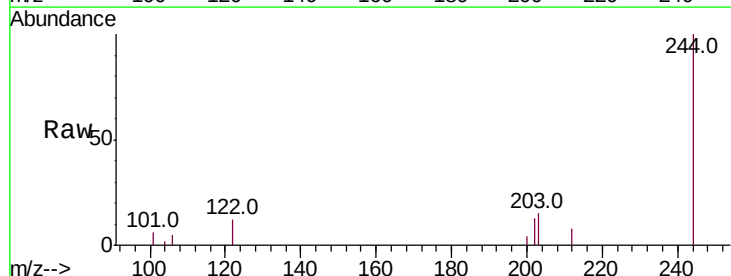
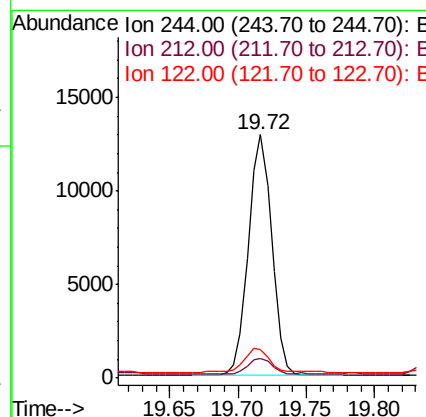
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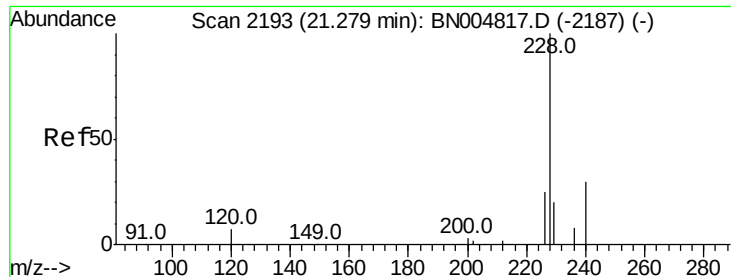
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#29
Terphenyl-d14
Concen: 0.373 ng
RT: 19.72 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BN004914.D
Acq: 23 Mar 2019 08:33

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	8.3	5.8	8.6	
122	11.8	7.9	11.9	





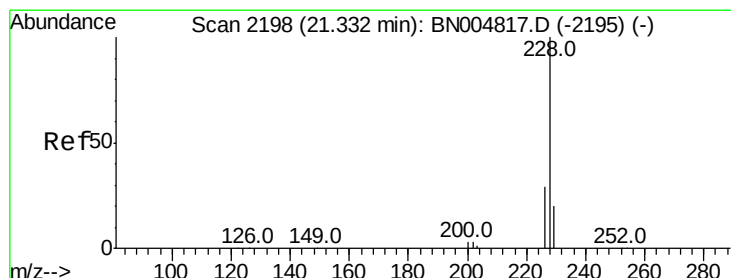
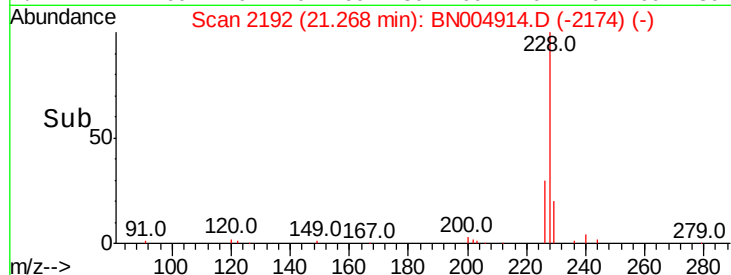
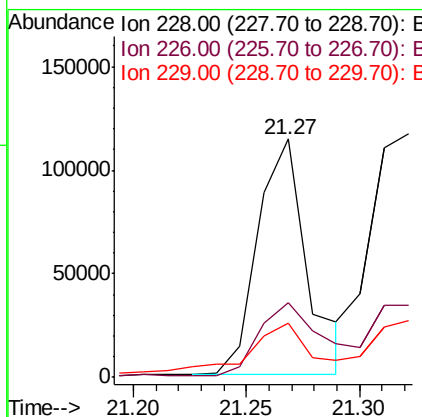
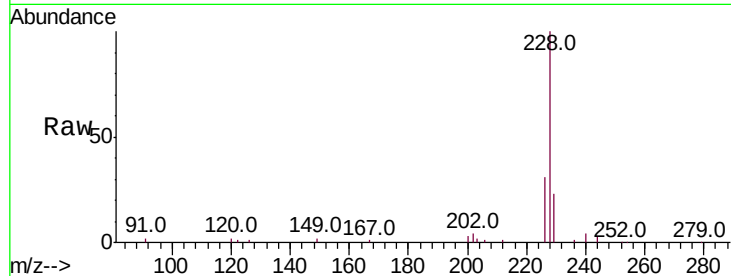
#30
Benzo(a)anthracene
Concen: 2.618 ng m
RT: 21.27 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BN004914.D
Acq: 23 Mar 2019 08:33

Instrument :
BNA_N
ClientSampleId :
PST-027-B116-030619

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.5	20.6	31.0#
229	22.8	16.2	24.4

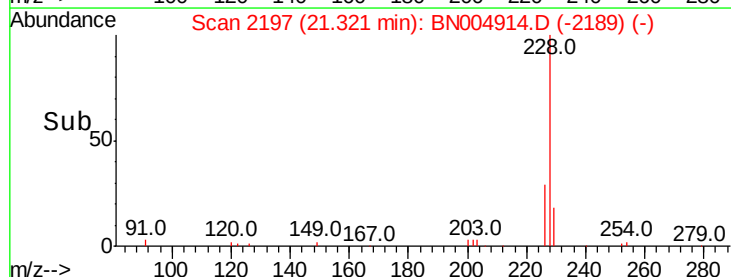
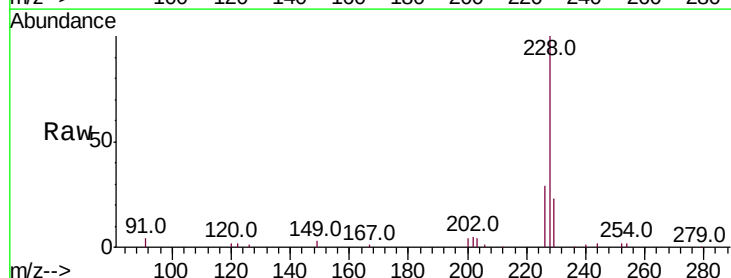
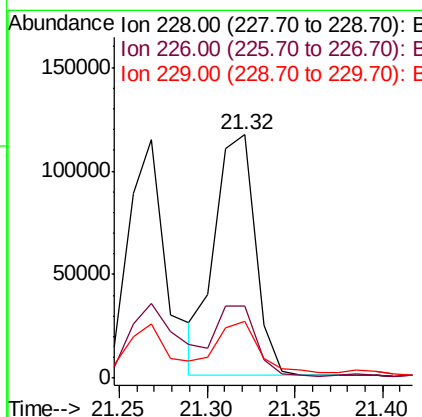
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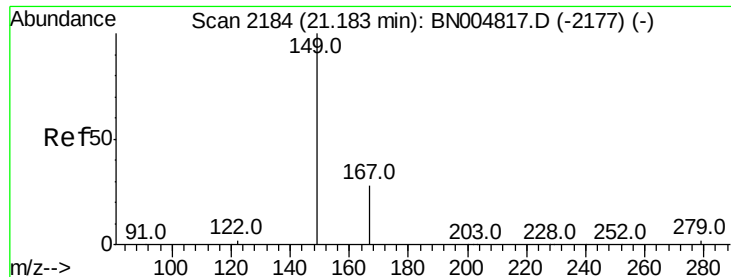
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#31
Chrysene
Concen: 2.680 ng
RT: 21.32 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BN004914.D
Acq: 23 Mar 2019 08:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.0	34.6
229	23.4	16.2	24.2





#32

Bis(2-ethylhexyl)phthalate

Concen: 1.399 ng

RT: 21.18 min Scan# 2184

Delta R.T. 0.00 min

Lab File: BN004914.D

Acq: 23 Mar 2019 08:33

Instrument :

BNA_N

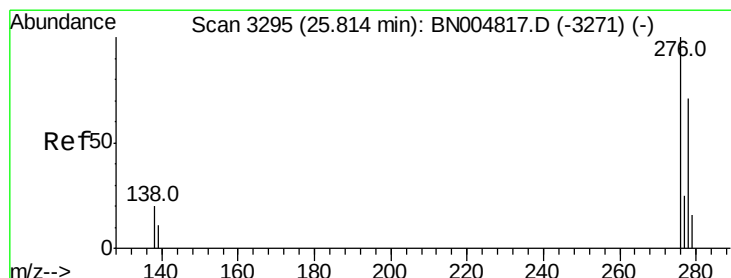
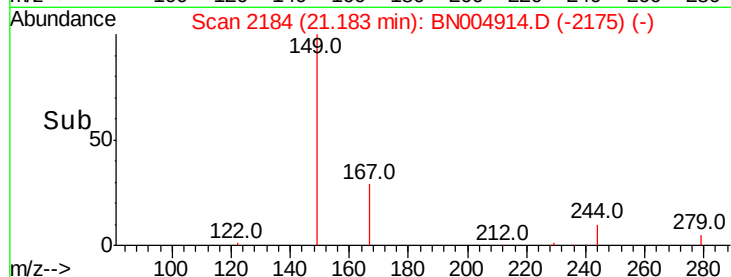
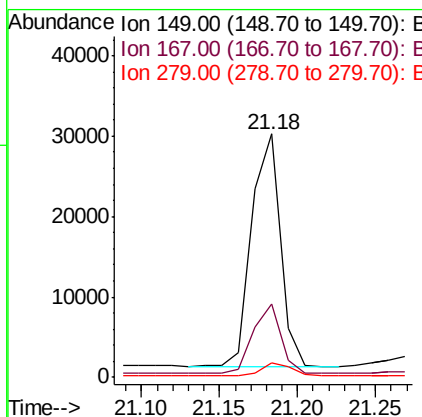
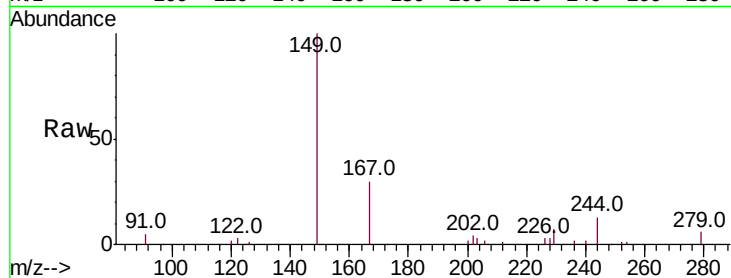
ClientSampleId :

PST-027-B116-030619

Tot Ion:	149	Resp:	36888
Ion Ratio	Lower	Upper	
149	100		
167	28.4	23.0	34.4
279	5.5	4.6	6.8

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.989 ng

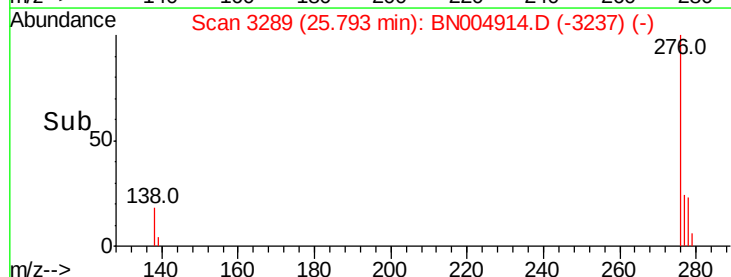
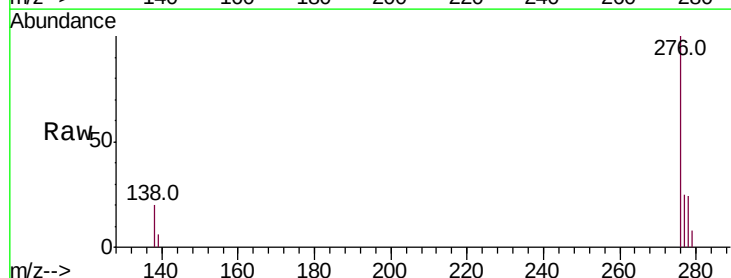
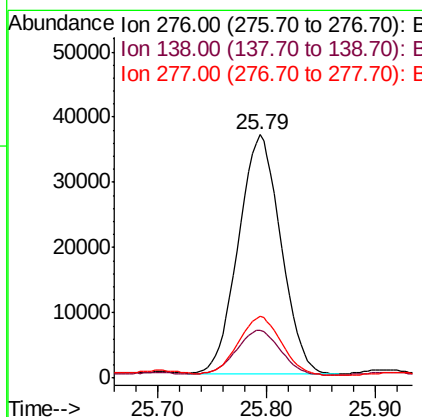
RT: 25.79 min Scan# 3289

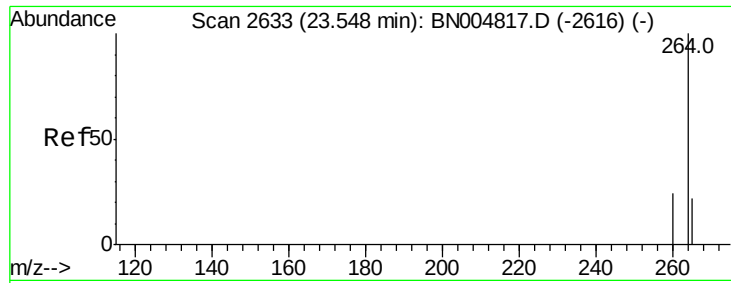
Delta R.T. -0.02 min

Lab File: BN004914.D

Acq: 23 Mar 2019 08:33

Tgt Ion:	276	Resp:	99450
Ion Ratio	Lower	Upper	
276	100		
138	19.6	16.6	24.8
277	24.9	20.3	30.5





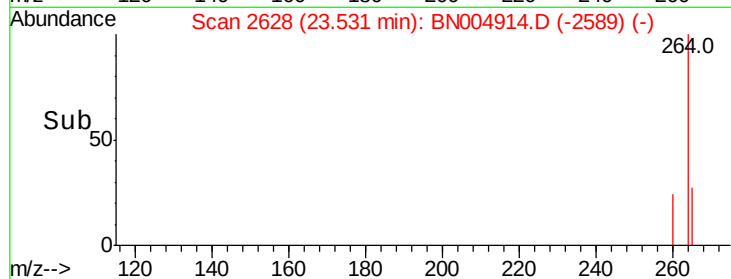
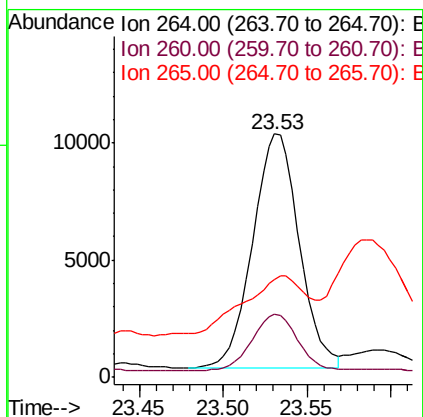
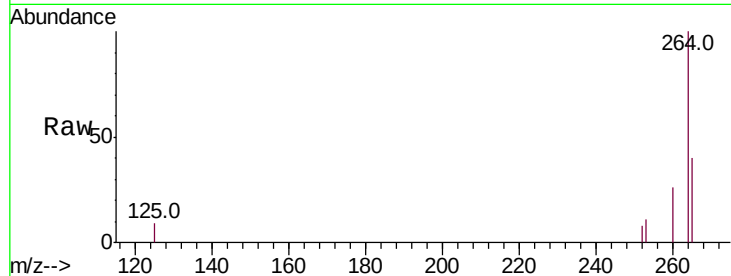
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.53 min Scan# 2628
Delta R.T. -0.02 min
Lab File: BN004914.D
Acq: 23 Mar 2019 08:33

Instrument :
BNA_N
ClientSampleId :
PST-027-B116-030619

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.8	19.5	29.3
265	40.1	23.1	34.7

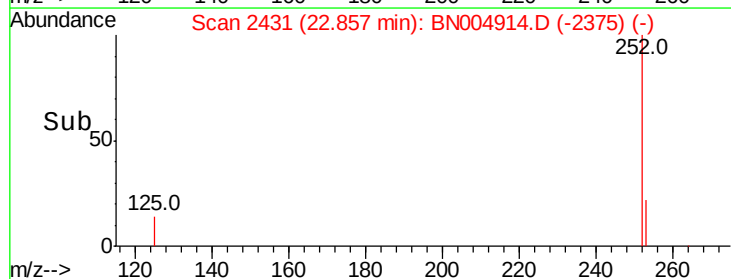
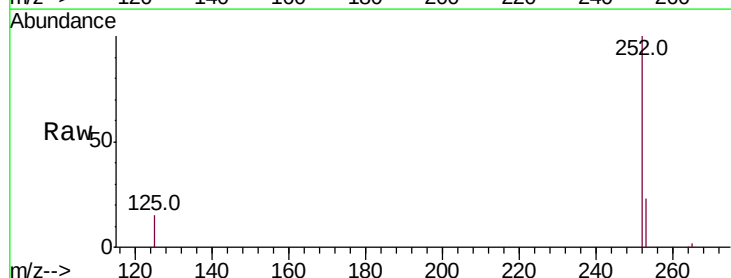
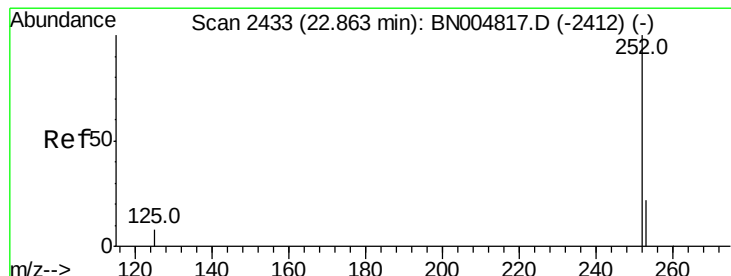
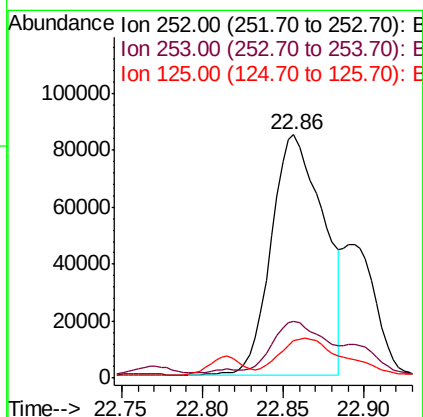
Manual Integrations
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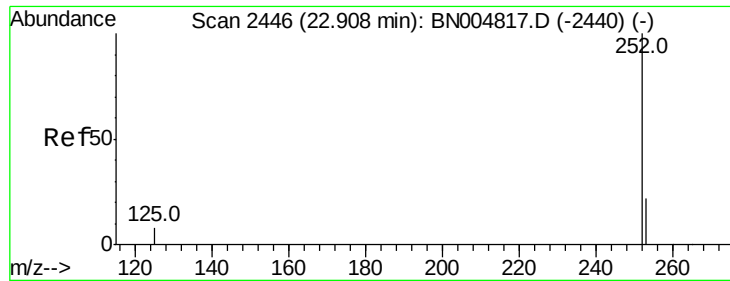
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#35
Benzo(b)fluoranthene
Concen: 2.717 ng
RT: 22.86 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BN004914.D
Acq: 23 Mar 2019 08:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	19.0	28.4
125	15.3	7.4	11.2





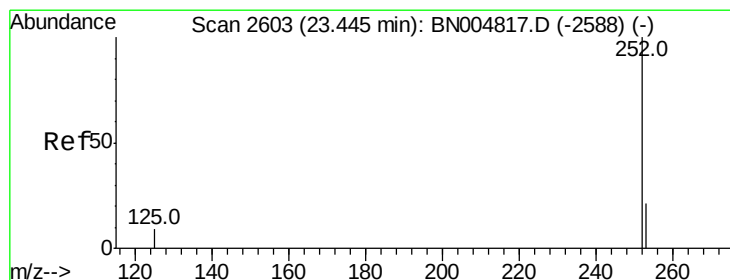
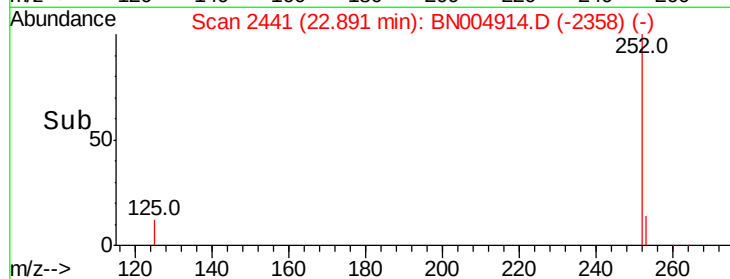
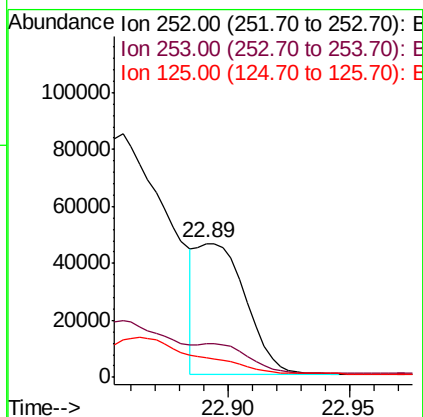
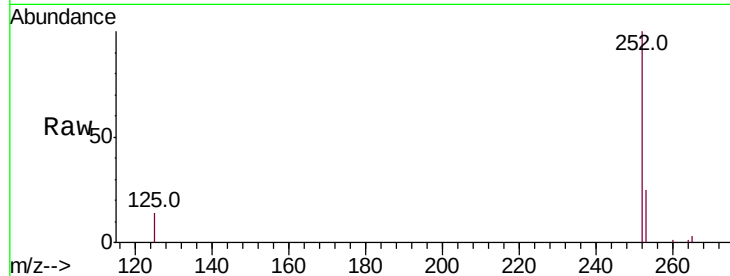
#36
Benzo(k)fluoranthene
Concen: 0.961 ng m
RT: 22.89 min Scan# 2441
Delta R.T. -0.02 min
Lab File: BN004914.D
Acq: 23 Mar 2019 08:33

Instrument :
BNA_N
ClientSampleId :
PST-027-B116-030619

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	19.3	28.9
125	14.4	7.4	11.0

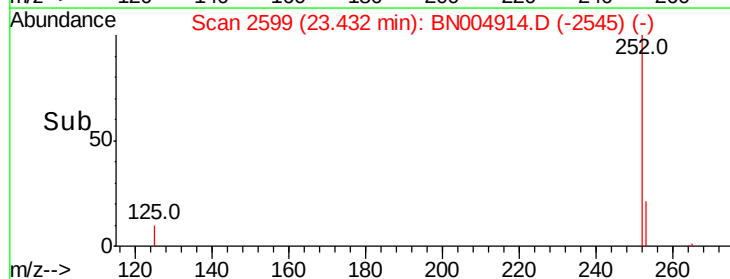
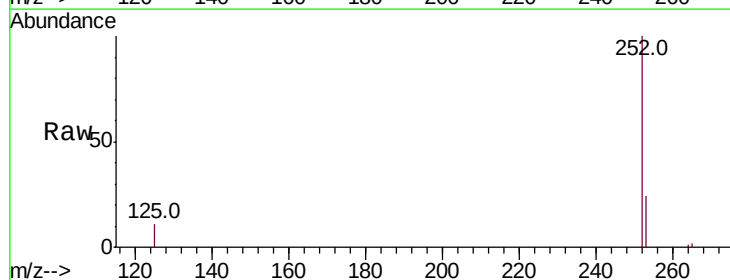
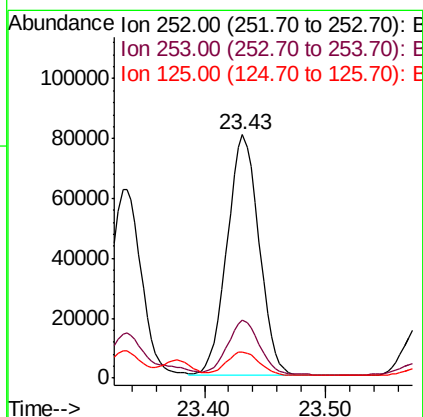
Manual Integrations
APPROVED

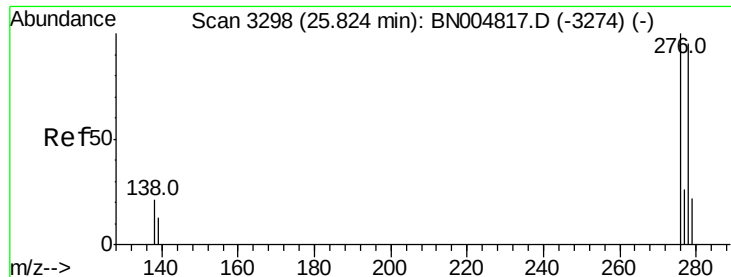
Sohil
3/25/2019 8:57:09 AM



#37
Benzo(a)pyrene
Concen: 2.310 ng
RT: 23.43 min Scan# 2599
Delta R.T. -0.01 min
Lab File: BN004914.D
Acq: 23 Mar 2019 08:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	19.7	29.5
125	10.9	8.3	12.5





#38

Dibenzo(a,h)anthracene

Concen: 0.389 ng

RT: 25.80 min Scan# 3290

Delta R.T. -0.03 min

Lab File: BN004914.D

Acq: 23 Mar 2019 08:33

Instrument :

BNA_N

ClientSampleId :

PST-027-B116-030619

Tot Ion:278 Resp: 28837

Ion Ratio Lower Upper

278 100

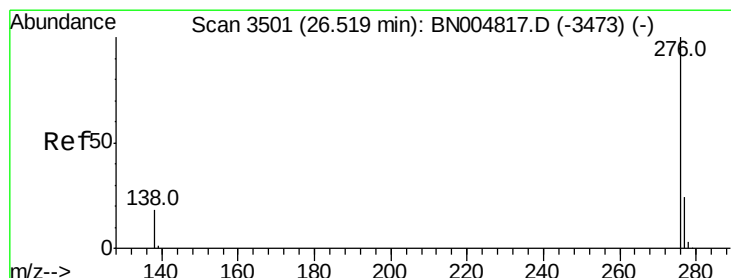
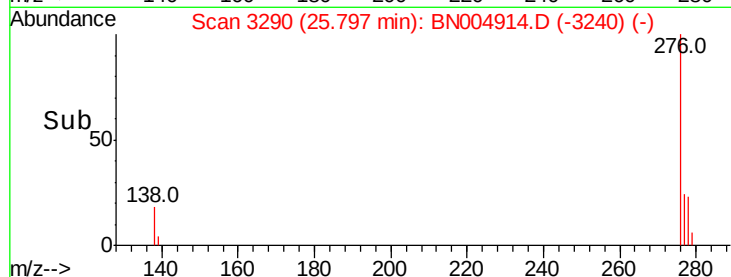
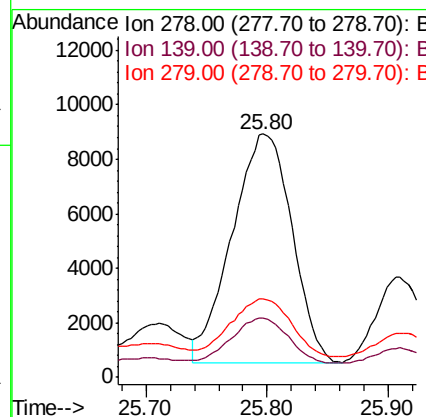
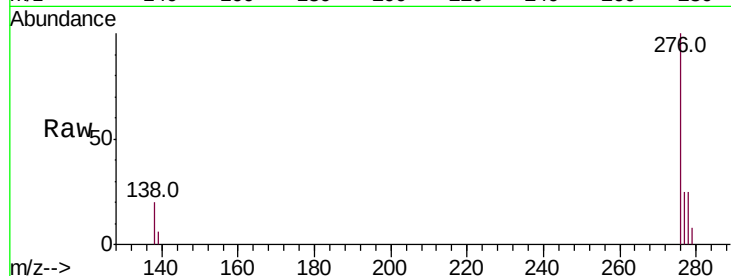
139 24.2 11.7 17.5#

279 32.0 19.9 29.9#

Manual Integrations
APPROVED

Sohil

3/25/2019 8:57:09 AM



#39

Benzo(g,h,i)perylene

Concen: 1.439 ng

RT: 26.50 min Scan# 3494

Delta R.T. -0.02 min

Lab File: BN004914.D

Acq: 23 Mar 2019 08:33

Tgt Ion:276 Resp: 108815

Ion Ratio Lower Upper

276 100

277 24.7 19.7 29.5

138 20.2 14.6 22.0

