

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032219\
 Data File : BN004906.D
 Acq On : 23 Mar 2019 03:51
 Operator : JU/SJ
 Sample : K2013-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-B022-031819

Manual Integrations
 APPROVED

Sohil
 3/25/2019 8:56:48 AM

Quant Time: Mar 23 04:45:45 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	4271	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	18689	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	10791	0.40	ng	-0.01
19) Phenanthrene-d10	17.08	188	25975	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	32893	0.40	ng	-0.01
34) Perylene-d12	23.53	264	34525	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.28	112	5231	0.45	ng	0.00
5) Phenol-d6	6.86	99	7486	0.52	ng	-0.02
8) Nitrobenzene-d5	8.86	82	4816	0.39	ng	-0.01
11) 2-Methylnaphthalene-d10	12.07	152	10926	0.34	ng	-0.01
14) 2,4,6-Tribromophenol	15.84	330	3815	0.51	ng	-0.01
15) 2-Fluorobiphenyl	12.95	172	18241	0.41	ng	-0.01
25) Fluoranthene-d10	19.12	212	27817	0.32	ng	-0.01
29) Terphenyl-d14	19.72	244	28369	0.42	ng	0.00

Target Compounds						Qvalue
9) Naphthalene	10.53	128	1304	0.025	ng	# 85
12) 2-Methylnaphthalene	12.14	142	861	0.022	ng	# 93
16) Acenaphthylene	14.05	152	5533	0.100	ng	99
18) Fluorene	15.38	166	1221	0.024	ng	# 84
23) Phenanthrene	17.12	178	24004	0.286	ng	99
24) Anthracene	17.22	178	4045	0.054	ng	97
26) Fluoranthene	19.15	202	42954	0.399	ng	98
28) Pyrene	19.51	202	48188	0.480	ng	97
30) Benzo(a)anthracene	21.26	228	23437	0.217	ng	94
31) Chrysene	21.31	228	26338	0.232	ng	95
32) Bis(2-ethylhexyl)phthalate	21.17	149	8166	0.189	ng	99
33) Indeno(1,2,3-cd)pyrene	25.79	276	15546	0.095	ng	98
35) Benzo(b)fluoranthene	22.85	252	34486	0.276	ng	# 64
36) Benzo(k)fluoranthene	22.89	252	10650m	0.087	ng	
37) Benzo(a)pyrene	23.43	252	23919	0.209	ng	# 94
38) Dibenzo(a,h)anthracene	25.79	278	4405	0.033	ng	# 40
39) Benzo(a,h,i)perylene	26.49	276	16339	0.121	ng	# 94

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

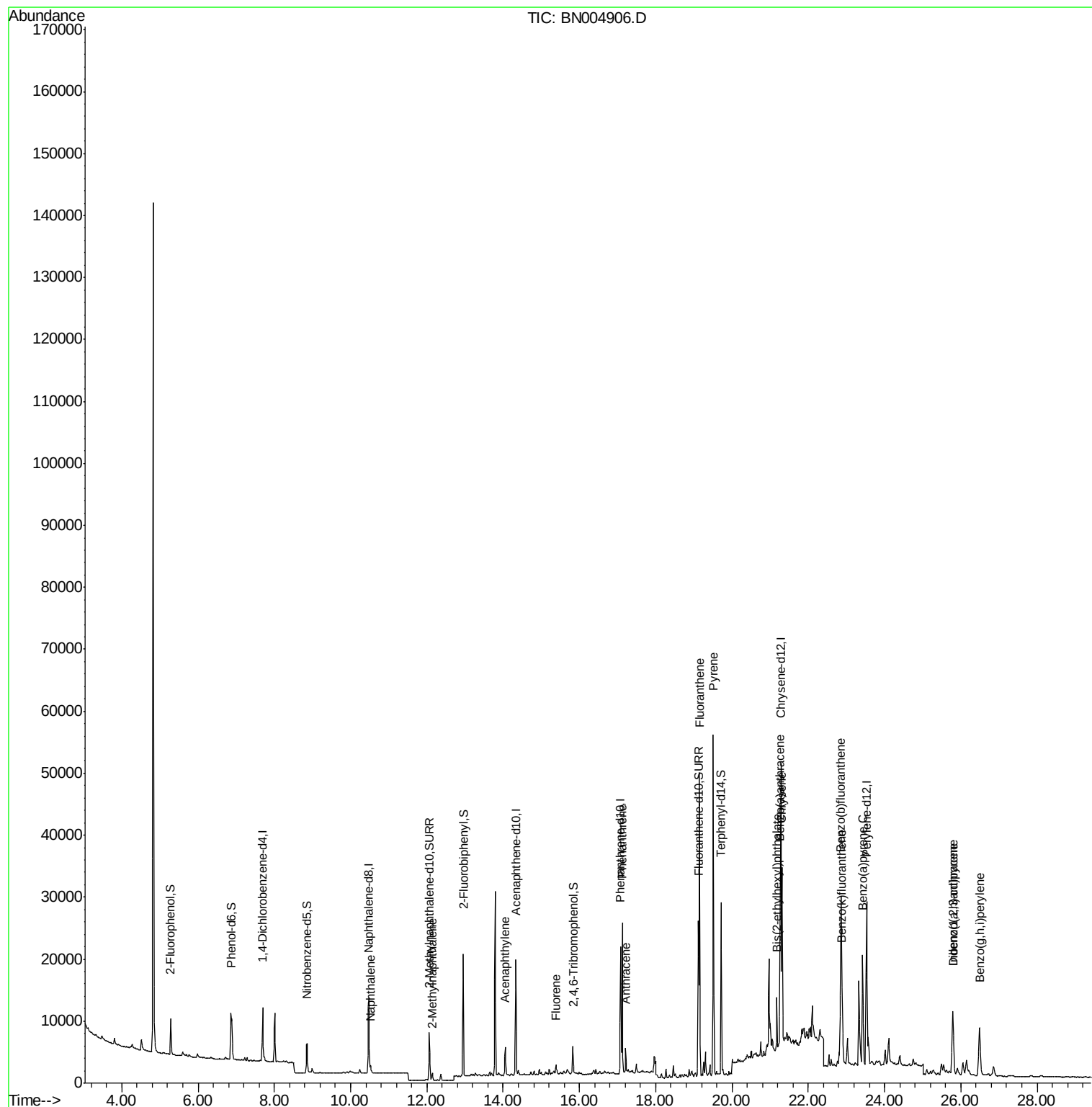
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032219\
Data File : BN004906.D
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Sample : K2013-06
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ALS Vial : 14 Sample Multiplier: 1

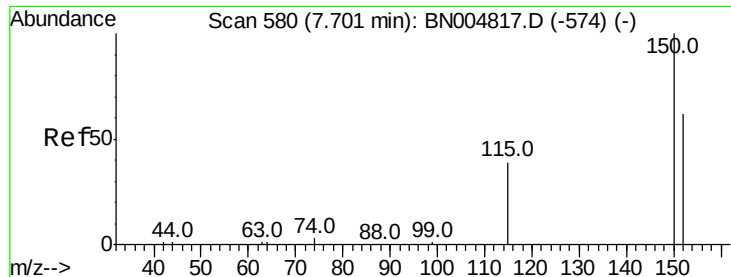
Instrument :
BNA_N
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PST-026-B022-031819

Manual Integrations
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Quant Time: Mar 23 04:45:45 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

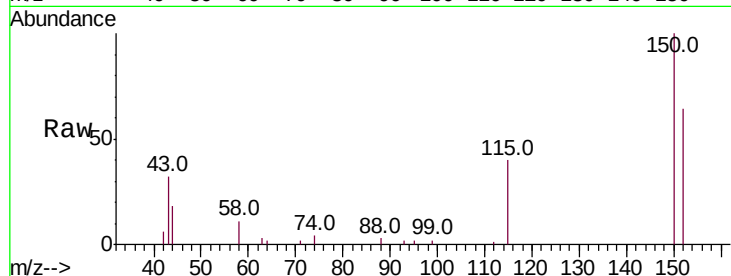
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 579
Delta R.T. -0.01 min
Lab File: BN004906.D
Acq: 23 Mar 2019 03:51

Instrument :
BNA_N
ClientSampleId :
PST-026-B022-031819

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	126.2	189.4
115	61.8	52.6	79.0

Manual Integrations
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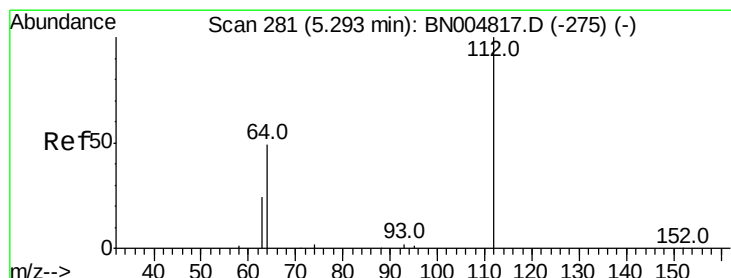
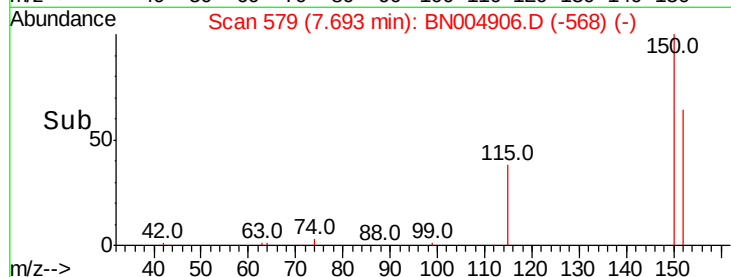
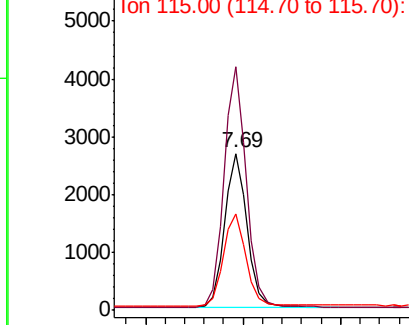


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

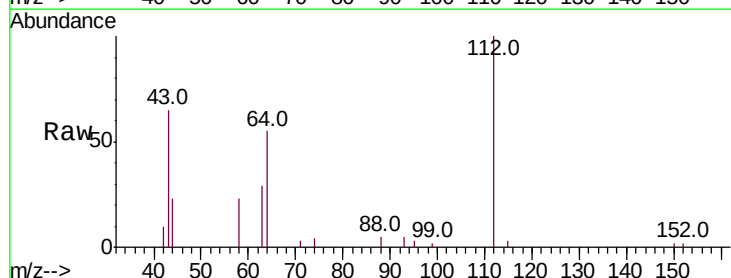
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.451 ng
RT: 5.28 min Scan# 280
Delta R.T. -0.01 min
Lab File: BN004906.D
Acq: 23 Mar 2019 03:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.6	40.0	60.0
63	26.3	20.2	30.2

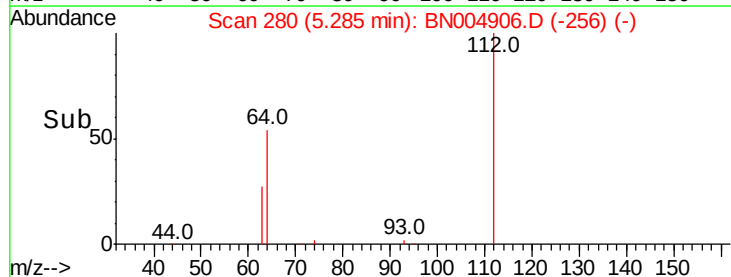
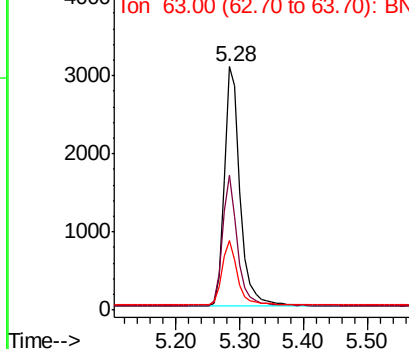


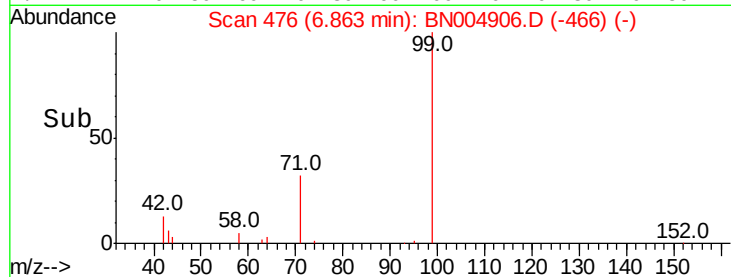
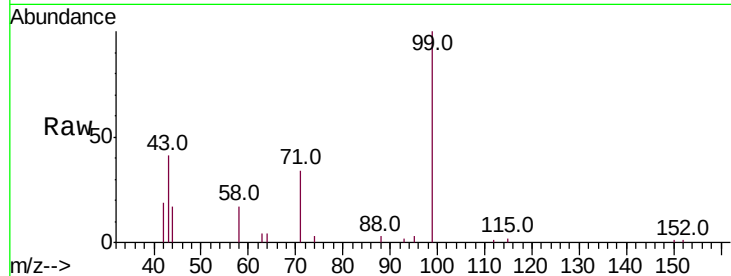
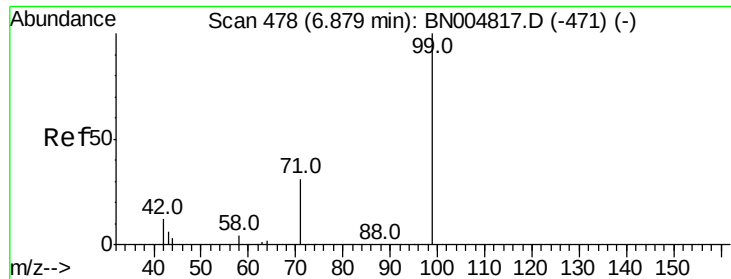
Abundance

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: 0.518 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004906.D

Acq: 23 Mar 2019 03:51

Tot Ion:	99	Resp:	7486
Ion	Ratio	Lower	Upper
99	100		
42	18.8	12.7	19.1
71	32.1	26.6	40.0

Instrument :

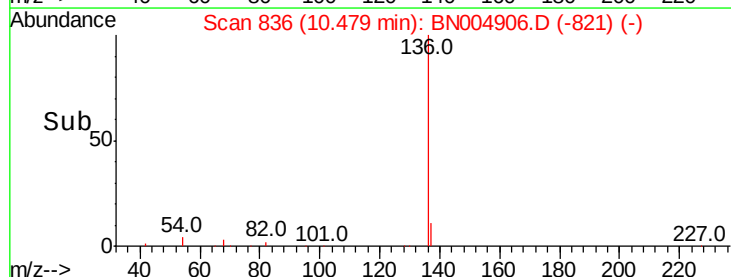
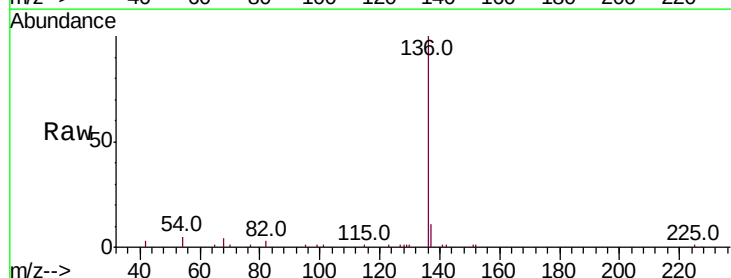
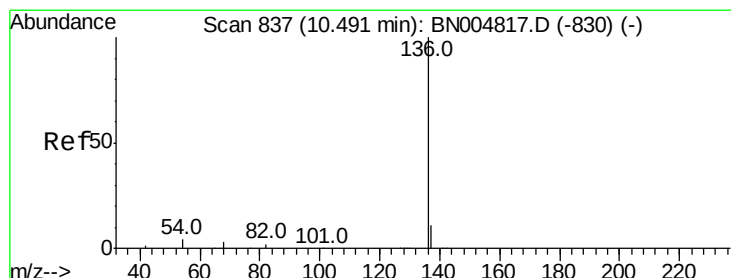
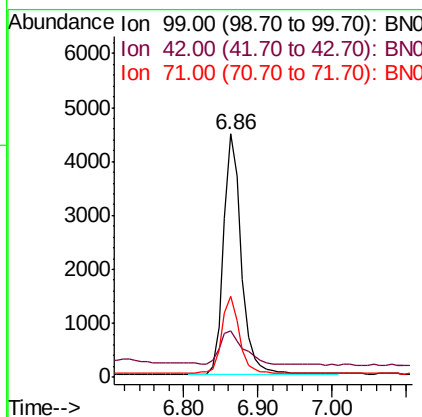
BNA_N

ClientSampleId :

PST-026-B022-031819

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#7

Naphthalene-d8

Concen: 0.400 ng

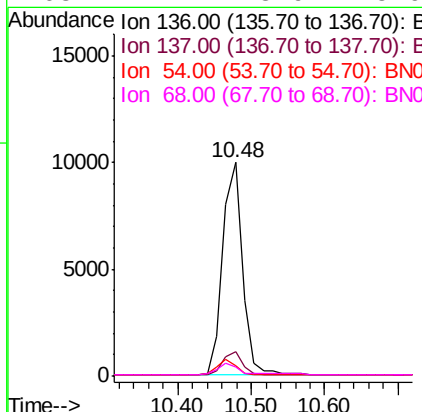
RT: 10.48 min Scan# 836

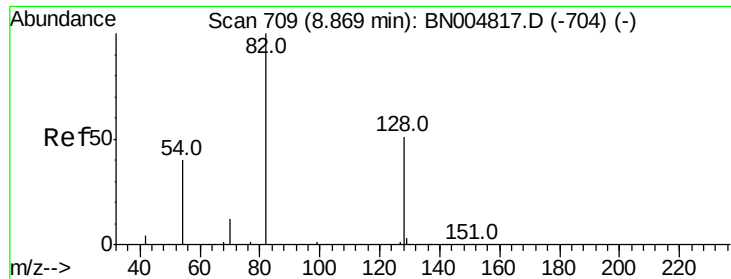
Delta R.T. -0.01 min

Lab File: BN004906.D

Acq: 23 Mar 2019 03:51

Tgt Ion:	136	Resp:	18689
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.6	14.4
54	4.8	4.2	6.2
68	4.2	3.9	5.9





#8

Nitrobenzene-d5

Concen: 0.390 ng

RT: 8.86 min Scan# 708

Delta R.T. -0.01 min

Lab File: BN004906.D

Acq: 23 Mar 2019 03:51

Instrument :

BNA_N

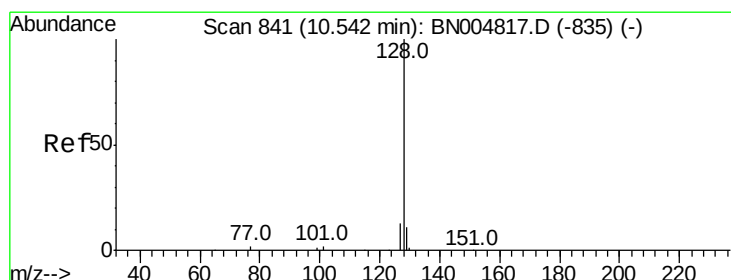
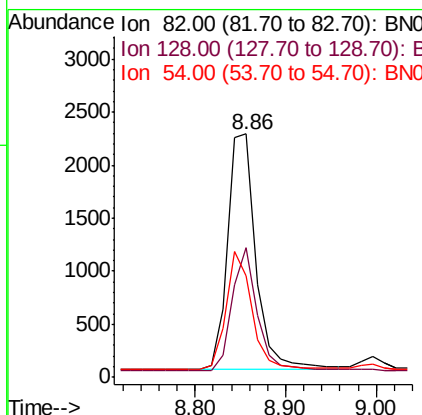
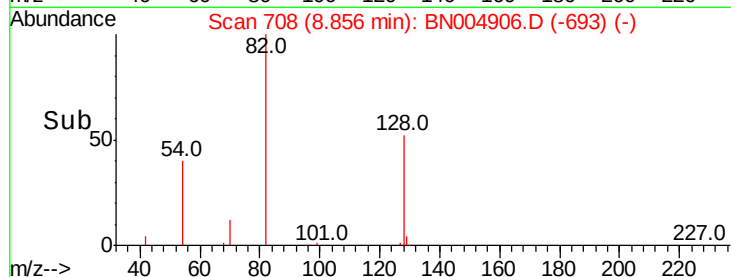
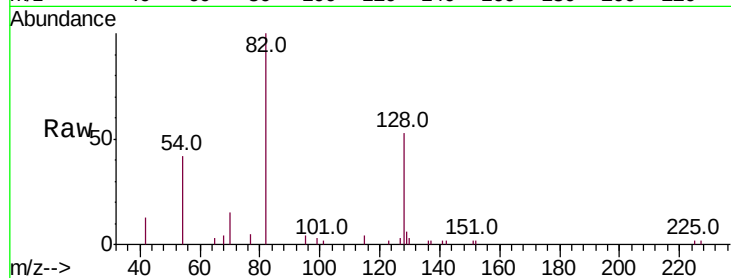
ClientSampleId :

PST-026-B022-031819

Tot Ion:	82	Resp:	4816
Ion Ratio	Lower	Upper	
82	100		
128	53.4	43.0	64.6
54	41.8	35.3	52.9

Manual Integrations
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#9

Naphthalene

Concen: 0.025 ng

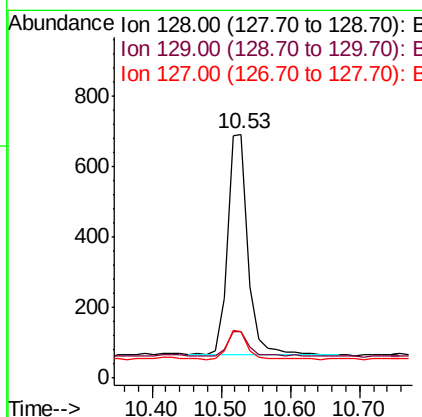
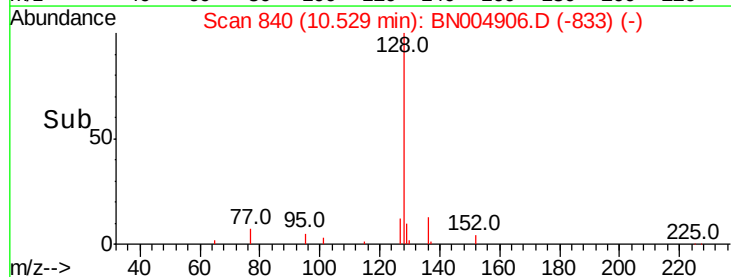
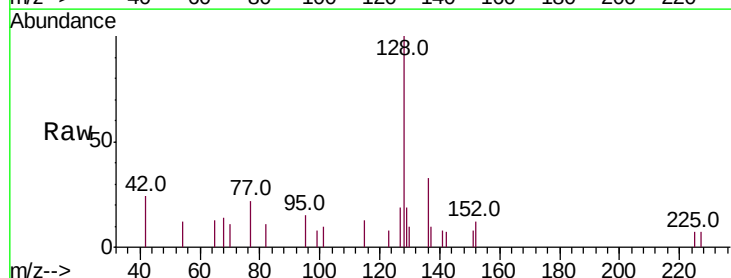
RT: 10.53 min Scan# 840

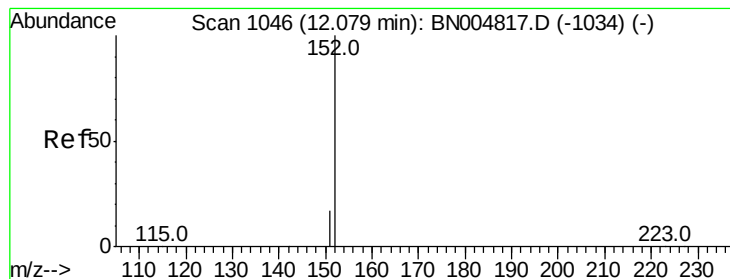
Delta R.T. -0.01 min

Lab File: BN004906.D

Acq: 23 Mar 2019 03:51

Tgt Ion:	128	Resp:	1304
Ion Ratio	Lower	Upper	
128	100		
129	19.0	9.9	14.9#
127	19.2	11.3	16.9#





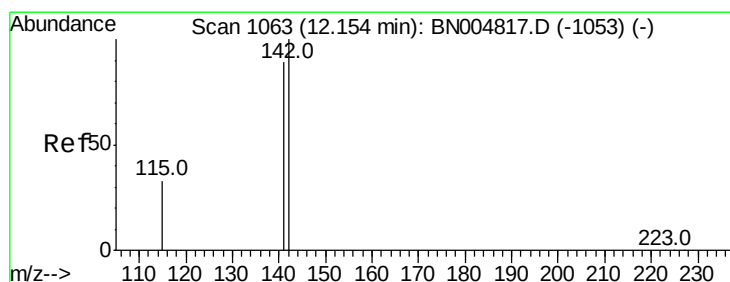
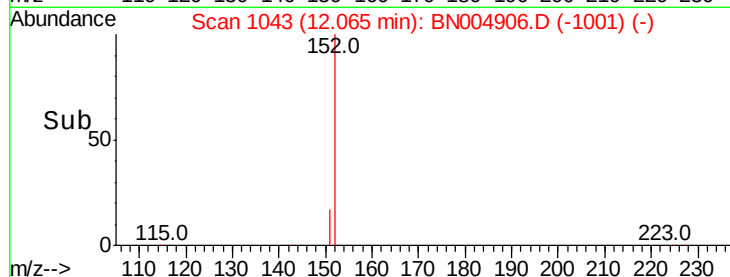
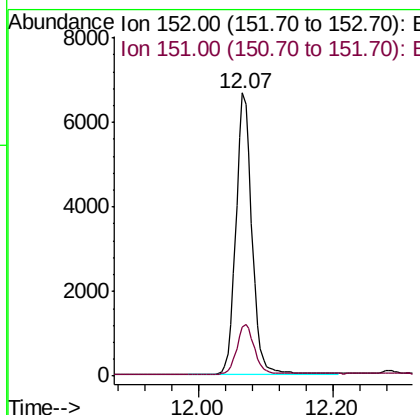
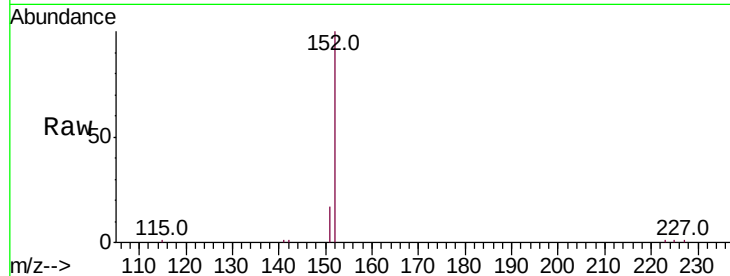
#11
2-Methylnaphthalene-d10
Concen: 0.335 ng
RT: 12.07 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BN004906.D
Acq: 23 Mar 2019 03:51

Instrument :
BNA_N
ClientSampleId :
PST-026-B022-031819

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.5	23.3

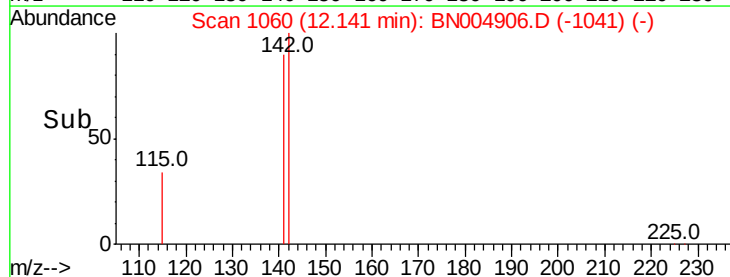
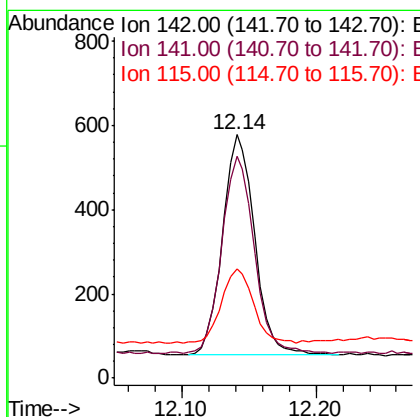
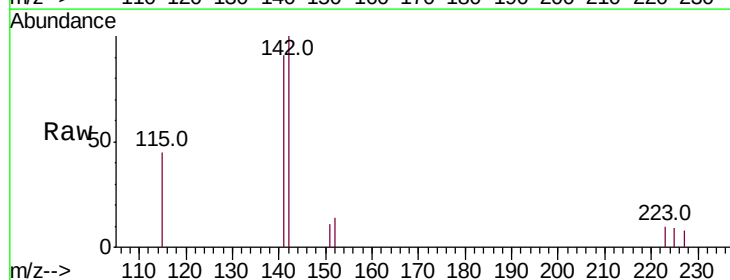
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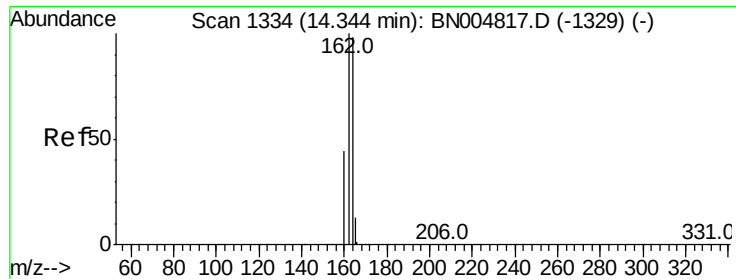
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#12
2-Methylnaphthalene
Concen: 0.022 ng
RT: 12.14 min Scan# 1060
Delta R.T. -0.01 min
Lab File: BN004906.D
Acq: 23 Mar 2019 03:51

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.2	71.4	107.2
115	45.0	27.5	41.3





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN004906.D

Acq: 23 Mar 2019 03:51

Instrument :

BNA_N

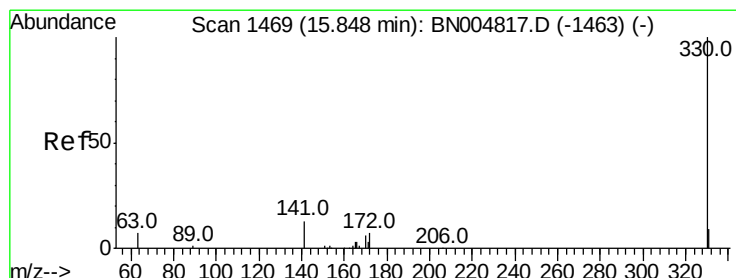
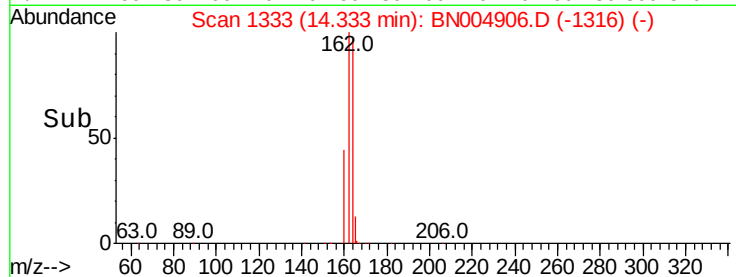
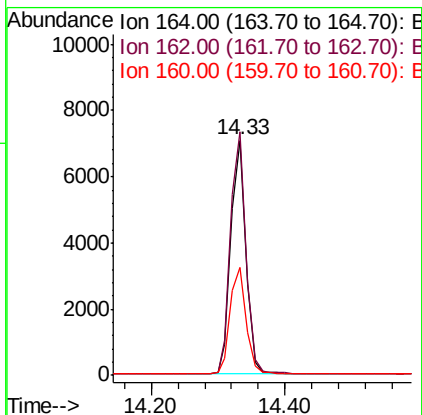
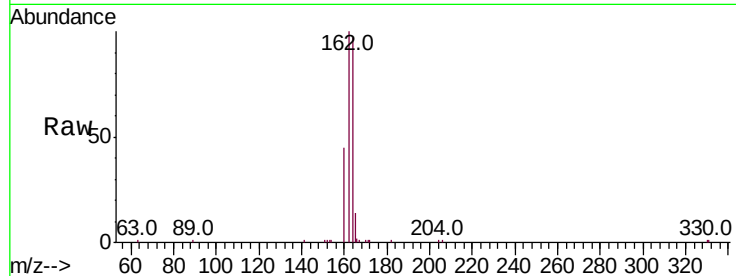
ClientSampleId :

PST-026-B022-031819

Tot Ion:	164	Resp:	10791
Ion Ratio	Lower	Upper	
164	100		
162	103.6	81.9	122.9
160	46.1	36.6	54.8

Manual Integrations
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#14

2,4,6-Tribromophenol

Concen: 0.512 ng

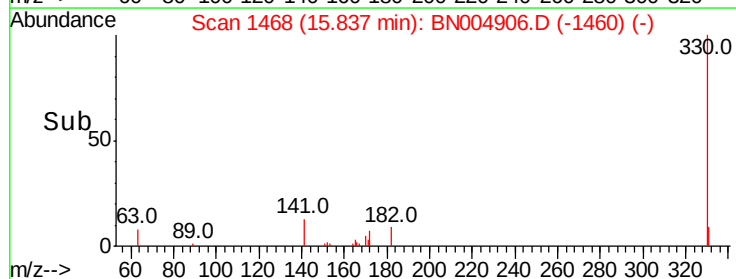
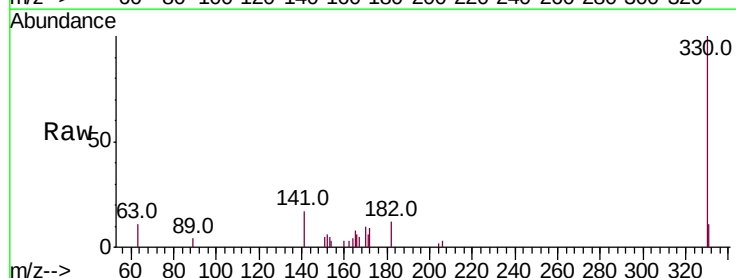
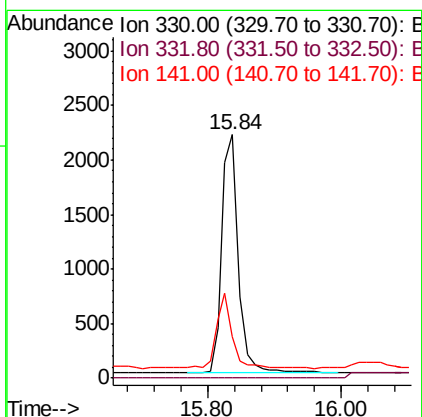
RT: 15.84 min Scan# 1468

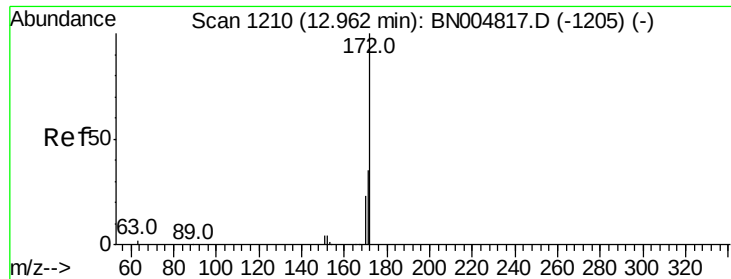
Delta R.T. -0.01 min

Lab File: BN004906.D

Acq: 23 Mar 2019 03:51

Tgt Ion:	330	Resp:	3815
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	30.0	20.9	31.3





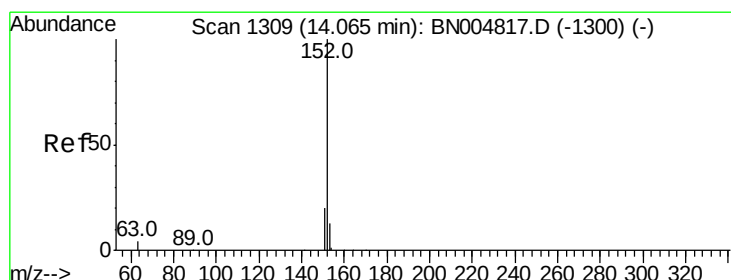
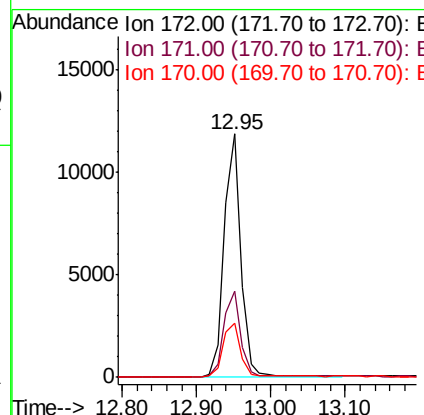
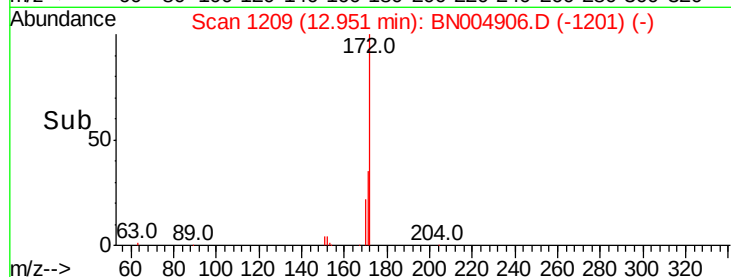
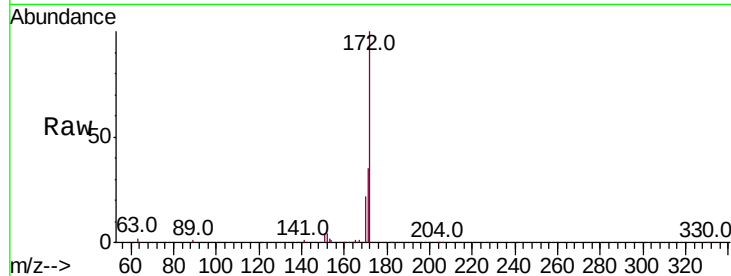
#15
2-Fluorobiphenyl
Concen: 0.409 ng
RT: 12.95 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BN004906.D
Acq: 23 Mar 2019 03:51

Instrument :
BNA_N
ClientSampleId :
PST-026-B022-031819

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.7	43.1
170	22.3	18.7	28.1

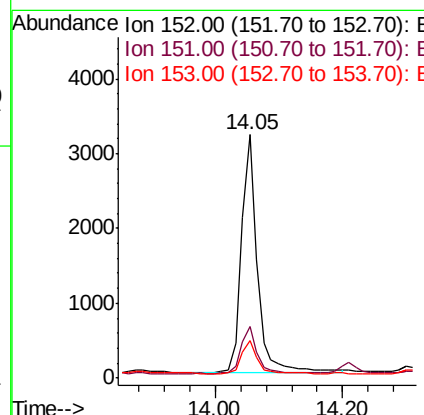
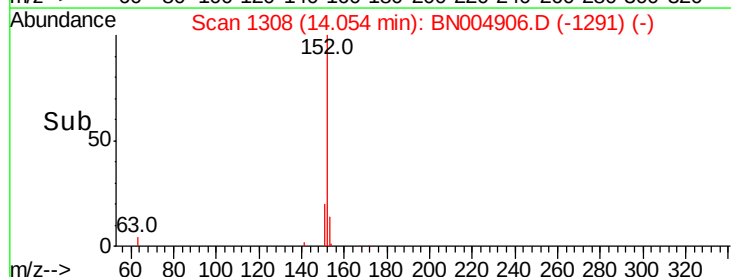
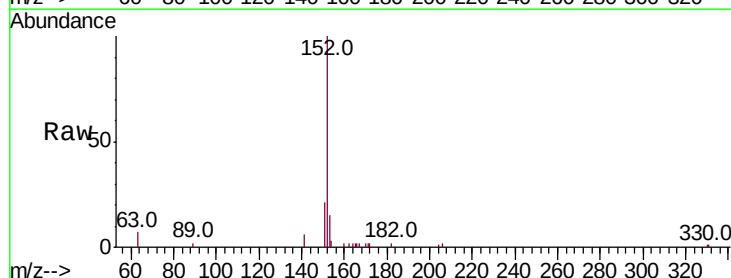
Manual Integrations
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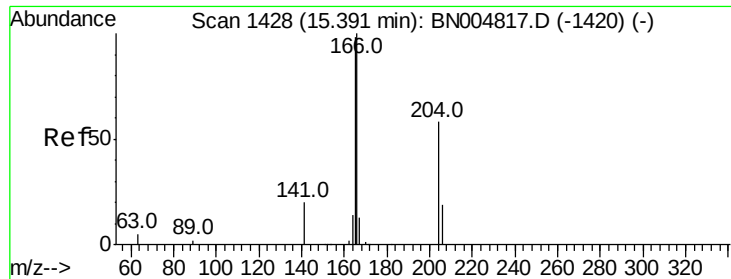
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#16
Acenaphthylene
Concen: 0.100 ng
RT: 14.05 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BN004906.D
Acq: 23 Mar 2019 03:51

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.1	24.1
153	14.0	10.5	15.7





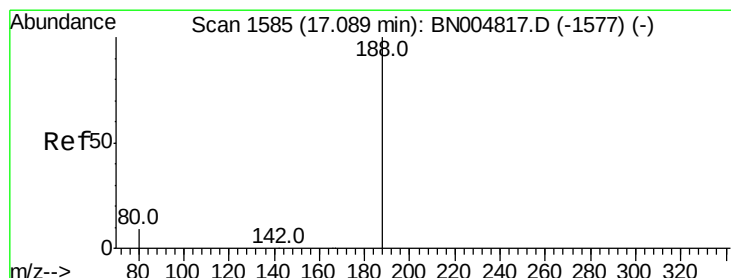
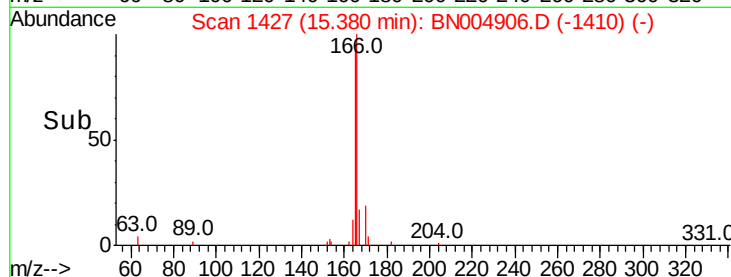
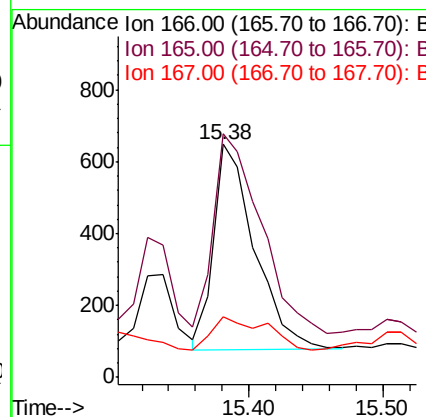
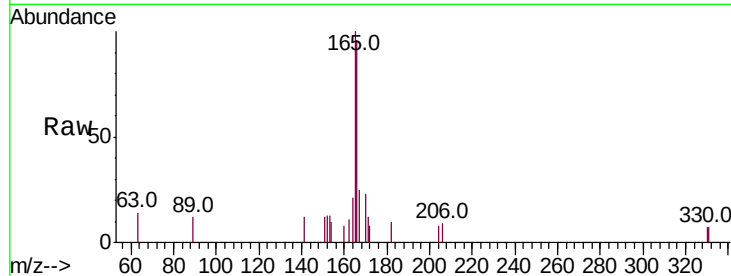
#18
 Fluorene
 Concen: 0.024 ng
 RT: 15.38 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BN004906.D
 Acq: 23 Mar 2019 03:51

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-B022-031819

Tot Ion	Ratio	Lower	Upper
166	100		
165	113.4	78.2	117.4
167	21.2	11.0	16.4

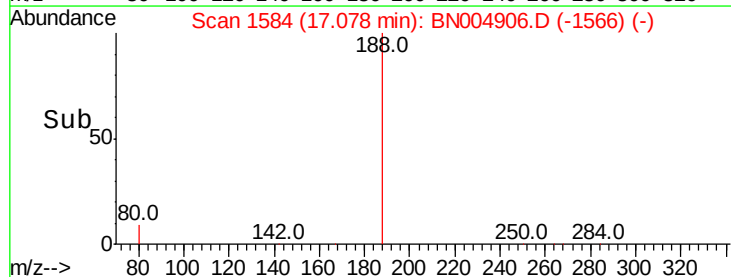
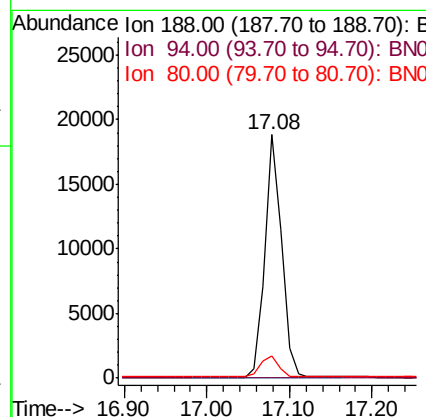
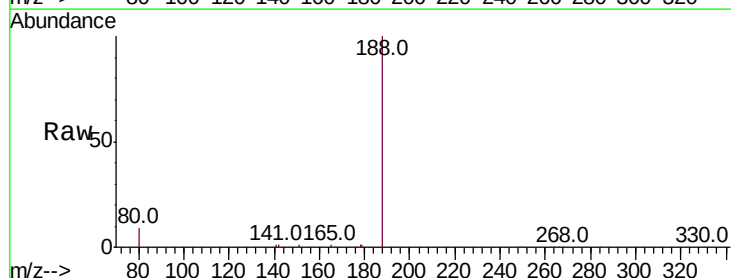
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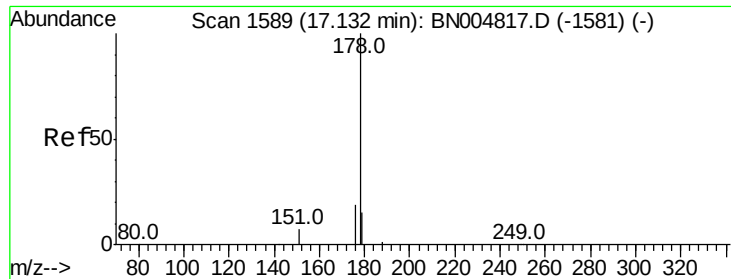
Sohil
 3/25/2019 8:56:48 AM



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.08 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BN004906.D
 Acq: 23 Mar 2019 03:51

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.2	7.4	11.2





#23

Phenanthrene

Concen: 0.286 ng

RT: 17.12 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BN004906.D

Acq: 23 Mar 2019 03:51

Instrument :

BNA_N

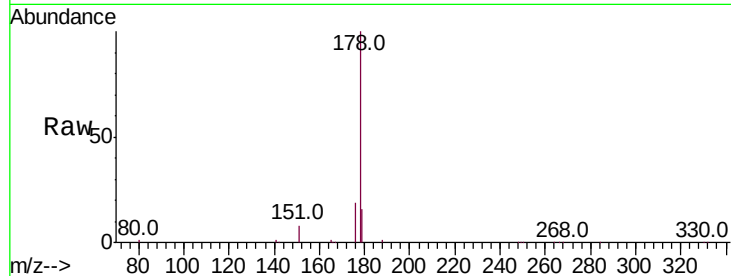
ClientSampleId :

PST-026-B022-031819

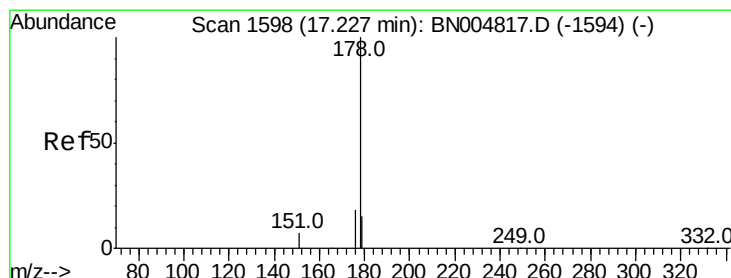
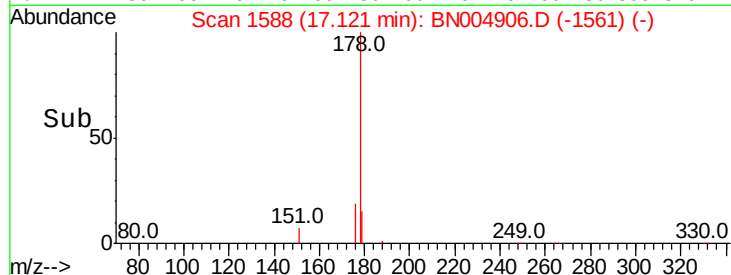
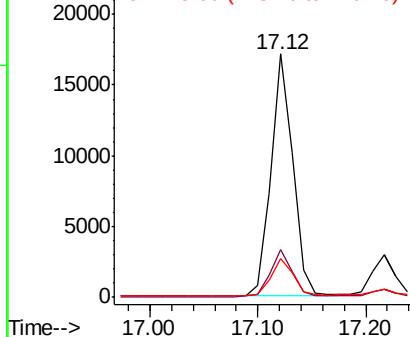
Tot Ion:178	Resp:	24004
Ion Ratio	Lower	Upper
178	100	
176	18.8	14.9 22.3
179	15.7	12.1 18.1

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.054 ng

RT: 17.22 min Scan# 1597

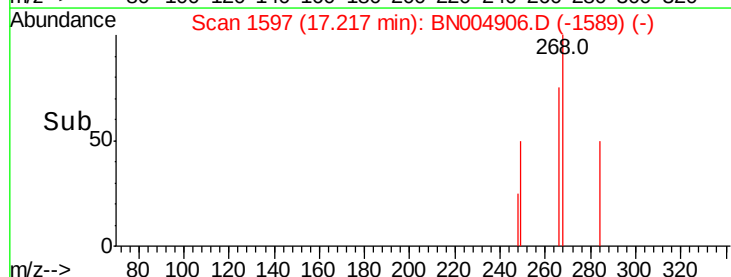
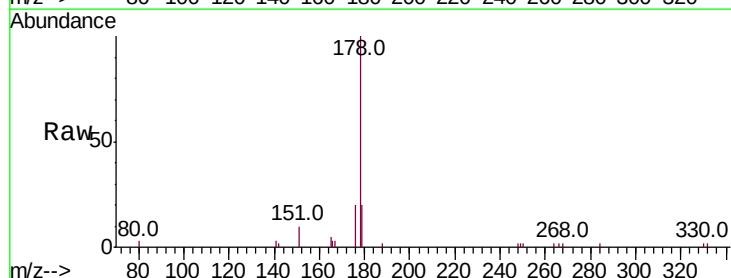
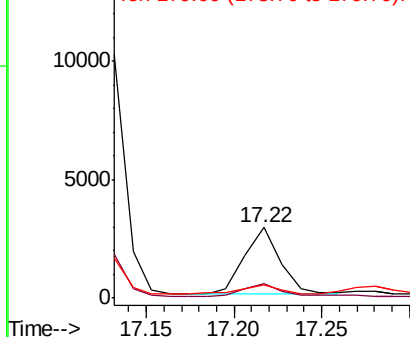
Delta R.T. -0.01 min

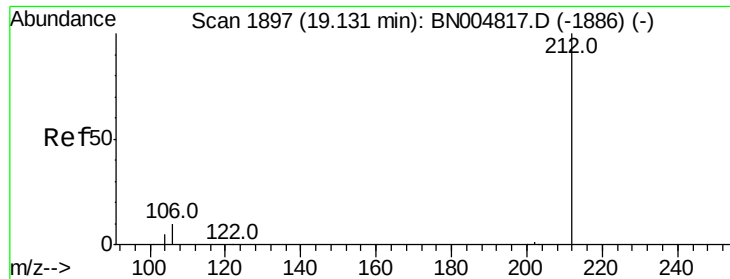
Lab File: BN004906.D

Acq: 23 Mar 2019 03:51

Tgt Ion:178	Resp:	4045
Ion Ratio	Lower	Upper
178	100	
176	19.1	14.5 21.7
179	17.1	12.2 18.4

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.320 ng

RT: 19.12 min Scan# 1894

Delta R.T. -0.01 min

Lab File: BN004906.D

Acq: 23 Mar 2019 03:51

Instrument :

BNA_N

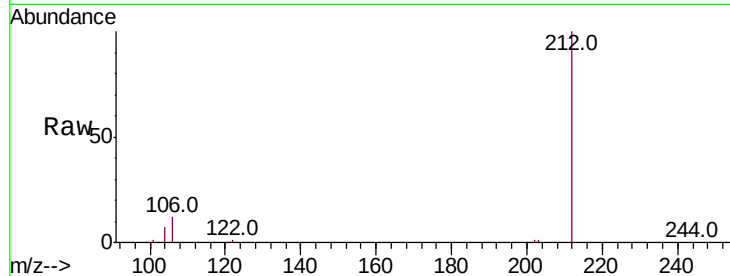
ClientSampleId :

PST-026-B022-031819

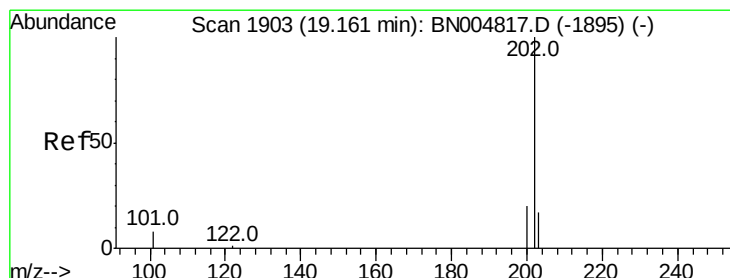
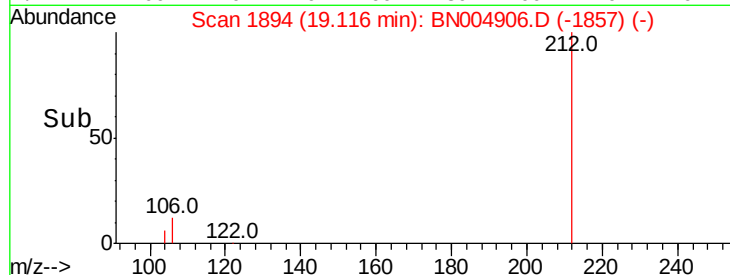
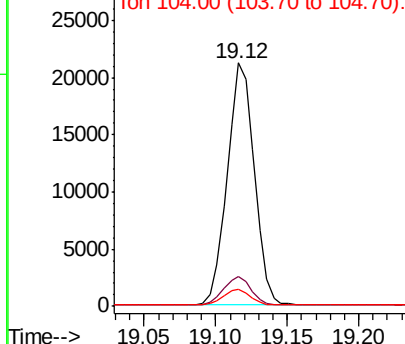
Tot Ion:	212	Resp:	27817
Ion Ratio	Lower	Upper	
212	100		
106	11.8	8.6	13.0
104	6.7	4.7	7.1

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Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.399 ng

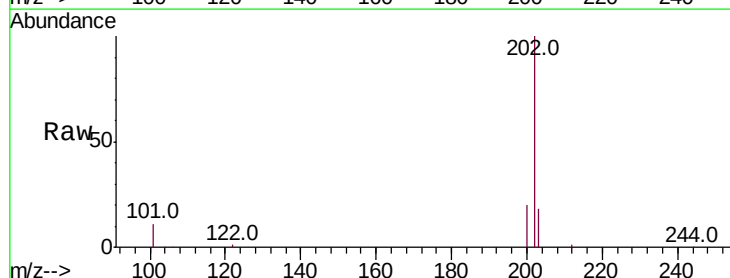
RT: 19.15 min Scan# 1900

Delta R.T. -0.01 min

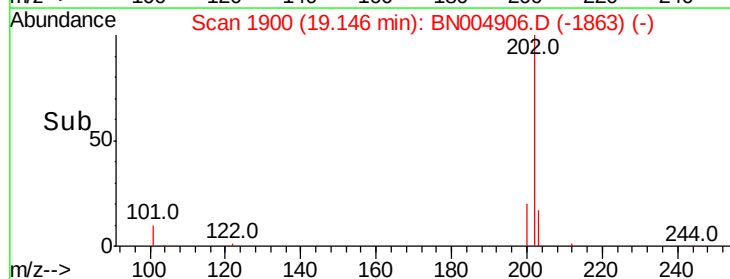
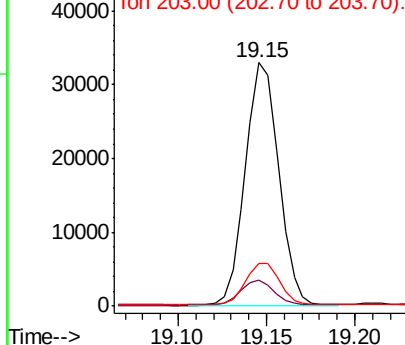
Lab File: BN004906.D

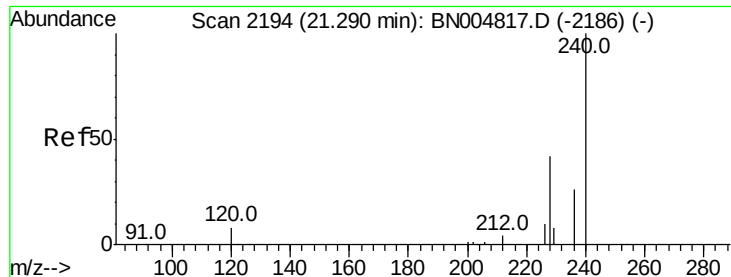
Acq: 23 Mar 2019 03:51

Tgt Ion:	202	Resp:	42954
Ion Ratio	Lower	Upper	
202	100		
101	10.5	7.5	11.3
203	17.7	13.8	20.6



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





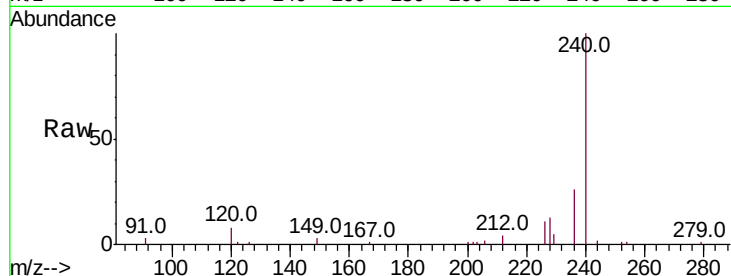
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BN004906.D
Acq: 23 Mar 2019 03:51

Instrument :
BNA_N
ClientSampleId :
PST-026-B022-031819

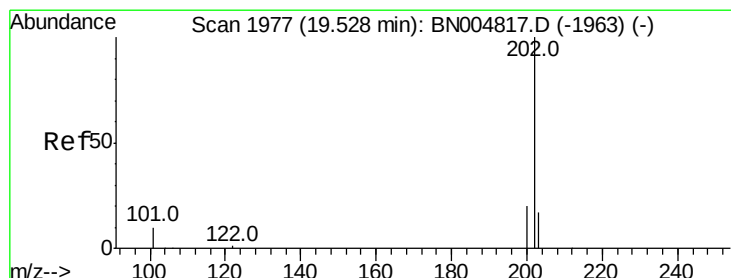
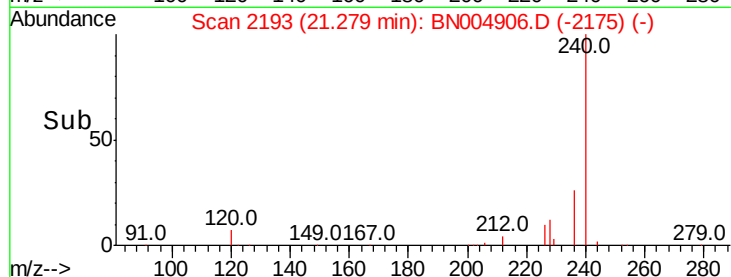
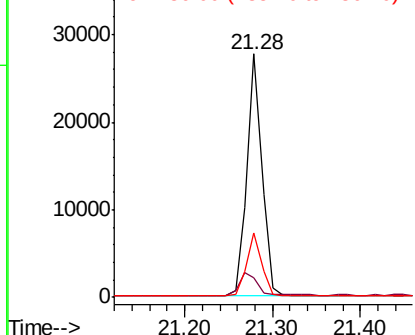
Tot Ion	Ratio	Lower	Upper
240	100		
120	8.0	7.2	10.8
236	26.4	20.9	31.3

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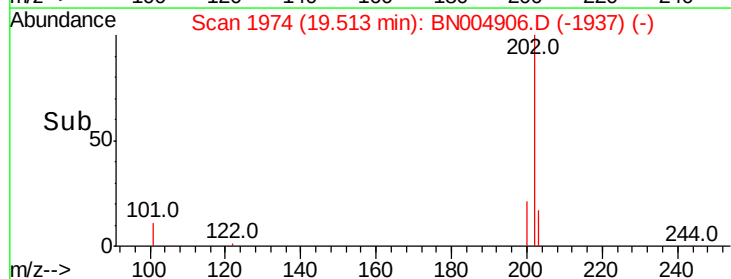
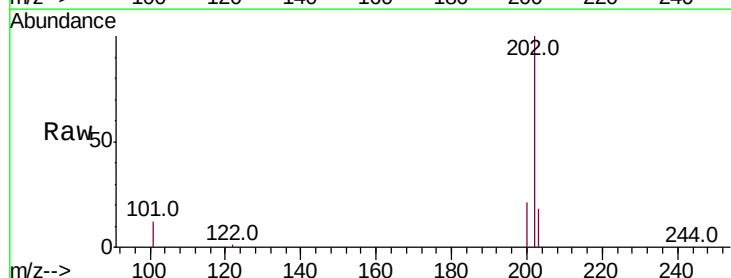
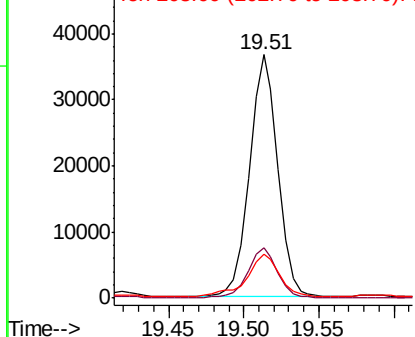
Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

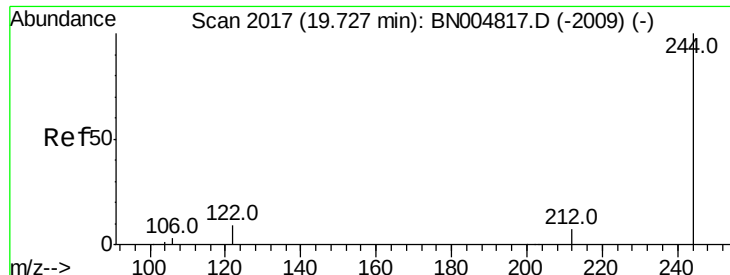


#28
Pyrene
Concen: 0.480 ng
RT: 19.51 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BN004906.D
Acq: 23 Mar 2019 03:51

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.3	24.5
203	20.4	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





#29

Terphenyl-d14

Concen: 0.421 ng

RT: 19.72 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BN004906.D

Acq: 23 Mar 2019 03:51

Instrument :

BNA_N

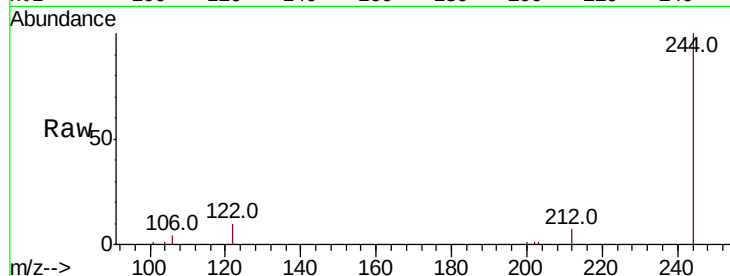
ClientSampleId :

PST-026-B022-031819

Tot Ion:	244	Resp:	28369
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.8	8.6
122	10.0	7.9	11.9

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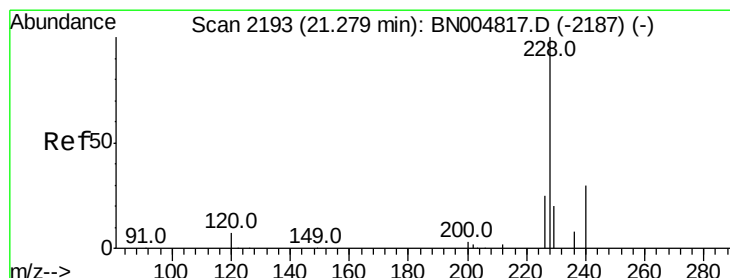
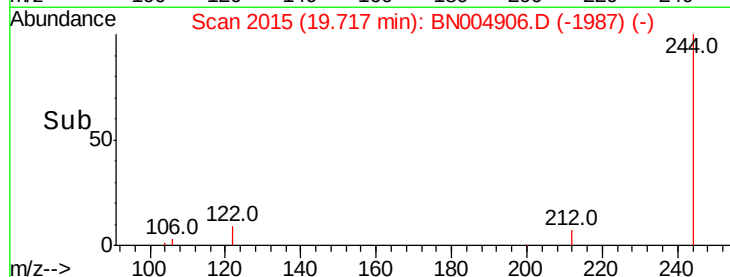
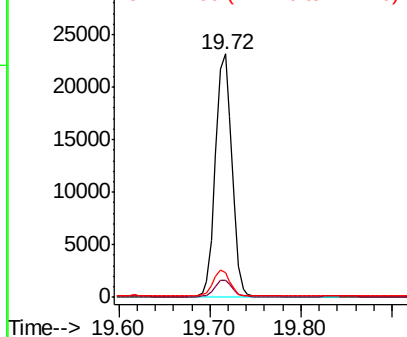


Abundance

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



#30

Benzo(a)anthracene

Concen: 0.217 ng

RT: 21.26 min Scan# 2191

Delta R.T. -0.02 min

Lab File: BN004906.D

Acq: 23 Mar 2019 03:51

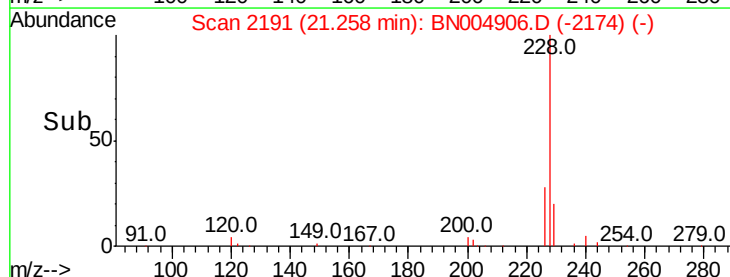
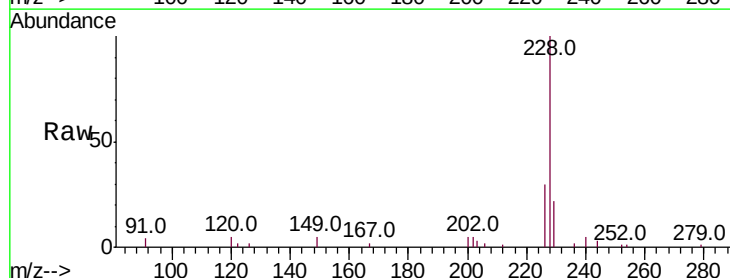
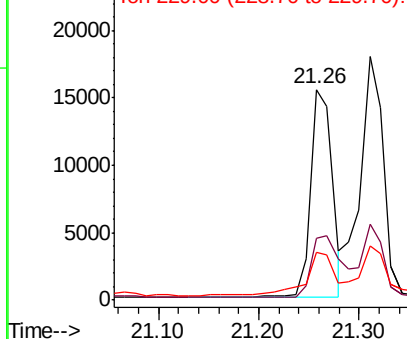
Tgt Ion:	228	Resp:	23437
Ion Ratio	Lower	Upper	
228	100		
226	29.6	20.6	31.0
229	22.4	16.2	24.4

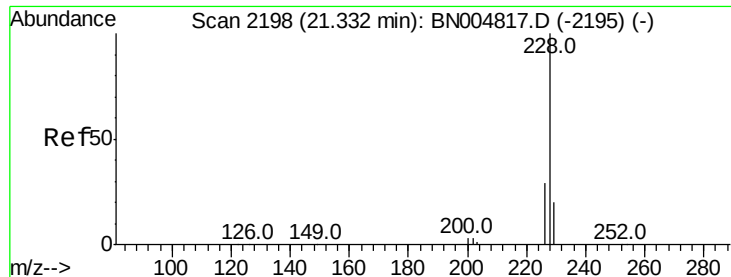
Abundance

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





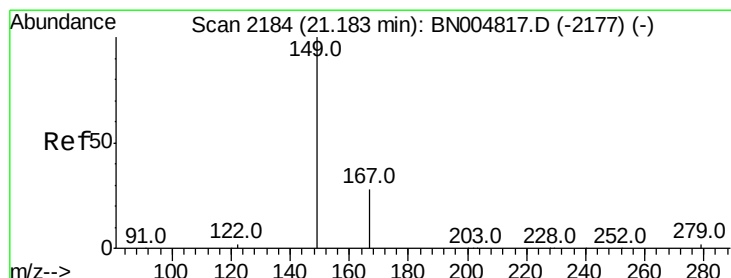
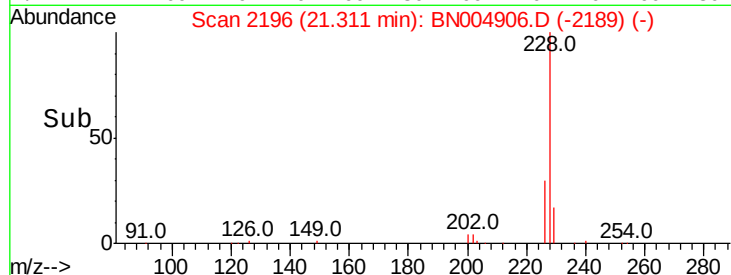
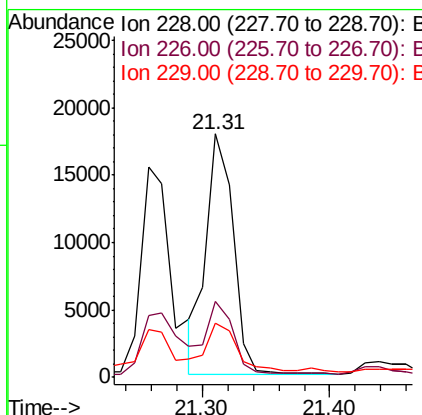
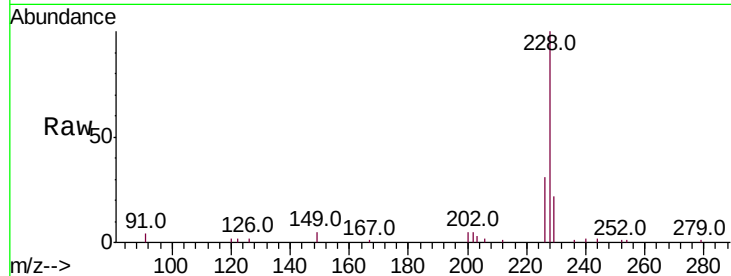
#31
Chrysene
Concen: 0.232 ng
RT: 21.31 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BN004906.D
Acq: 23 Mar 2019 03:51

Instrument :
BNA_N
ClientSampleId :
PST-026-B022-031819

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.2	23.0	34.6
229	22.3	16.2	24.2

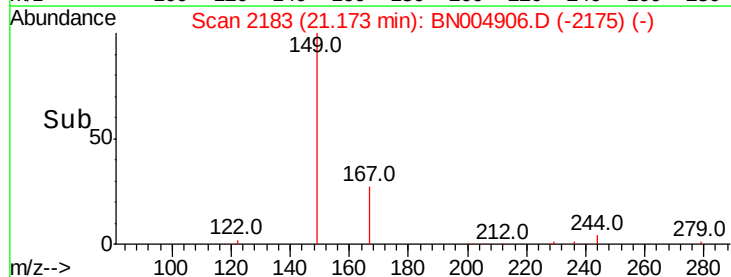
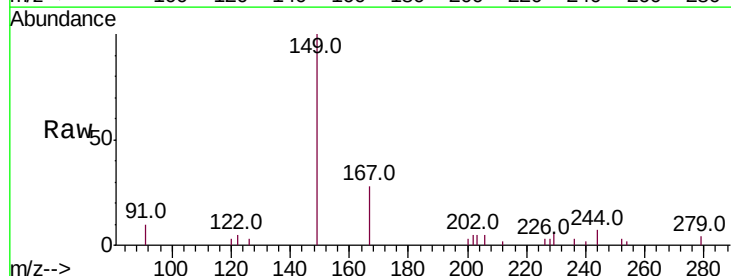
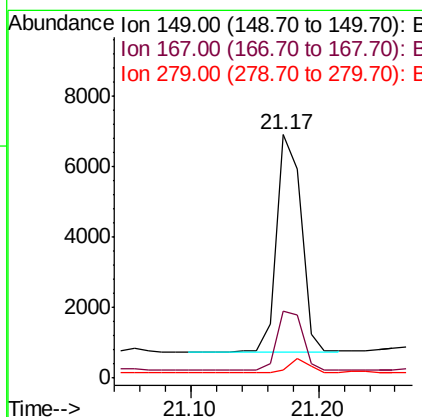
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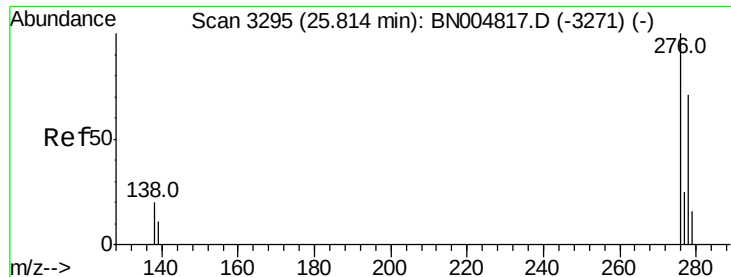
Sohil
3/25/2019 8:56:48 AM



#32
Bis(2-ethylhexyl)phthalate
Concen: 0.189 ng
RT: 21.17 min Scan# 2183
Delta R.T. -0.01 min
Lab File: BN004906.D
Acq: 23 Mar 2019 03:51

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.2	23.0	34.4
279	5.5	4.6	6.8





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.095 ng

RT: 25.79 min Scan# 3289

Delta R.T. -0.02 min

Lab File: BN004906.D

Acq: 23 Mar 2019 03:51

Instrument :

BNA_N

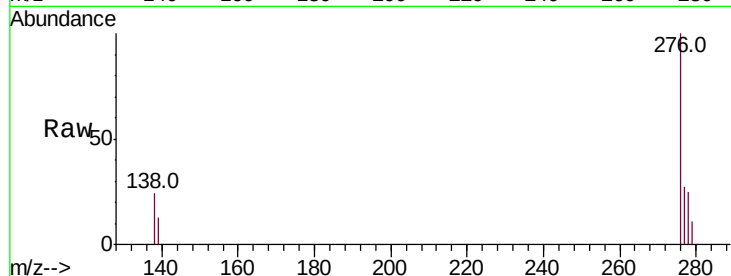
ClientSampleId :

PST-026-B022-031819

Tot Ion:	276	Resp:	15546
Ion Ratio	Lower	Upper	
276	100		
138	22.0	16.6	24.8
277	25.1	20.3	30.5

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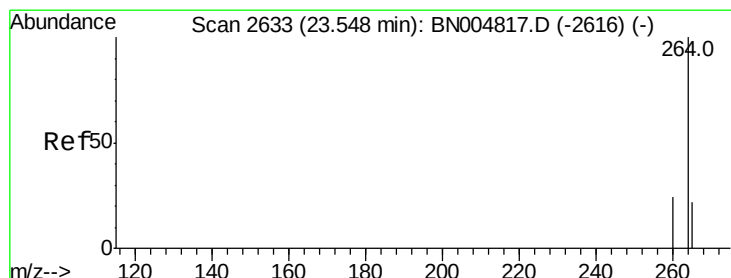
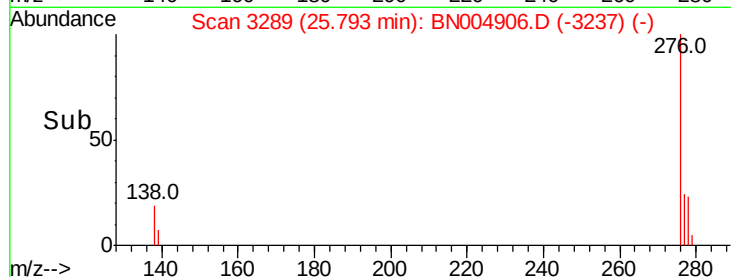
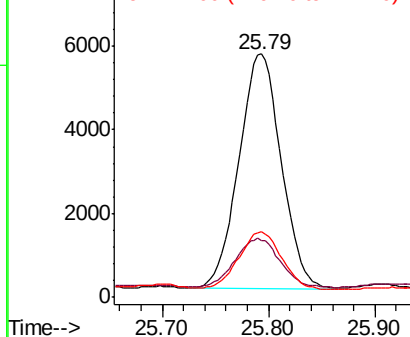


Abundance

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: 23.53 min Scan# 2627

Delta R.T. -0.02 min

Lab File: BN004906.D

Acq: 23 Mar 2019 03:51

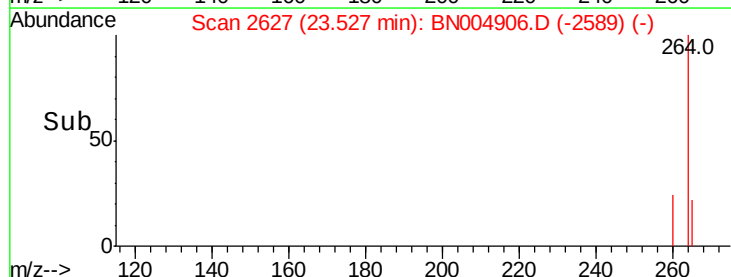
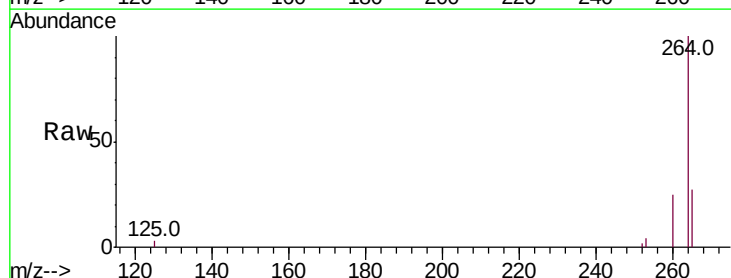
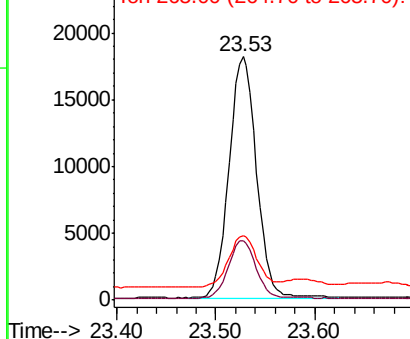
Tgt Ion:	264	Resp:	34525
Ion Ratio	Lower	Upper	
264	100		
260	24.5	19.5	29.3
265	26.7	23.1	34.7

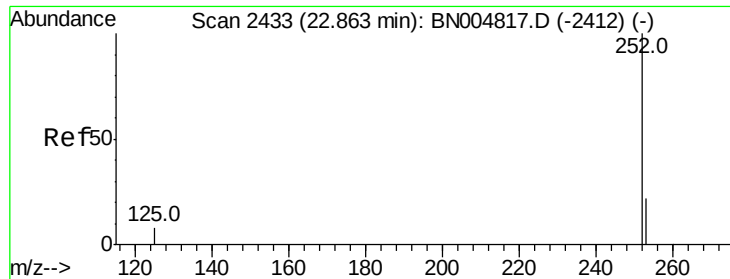
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.276 ng

RT: 22.85 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BN004906.D

Acq: 23 Mar 2019 03:51

Instrument :

BNA_N

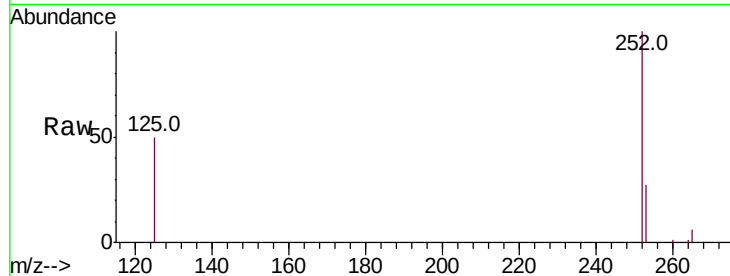
ClientSampleId :

PST-026-B022-031819

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.7	19.0	28.4
125	49.9	7.4	11.2

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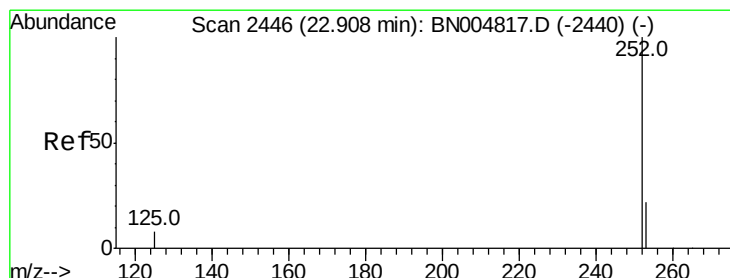
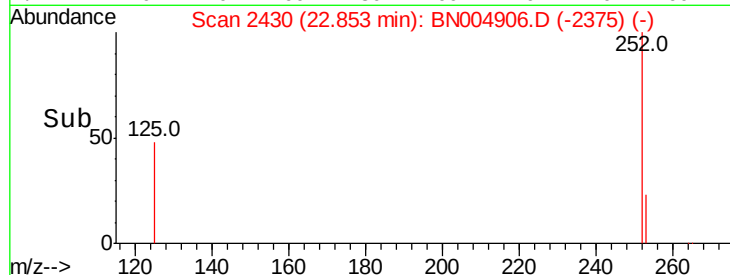
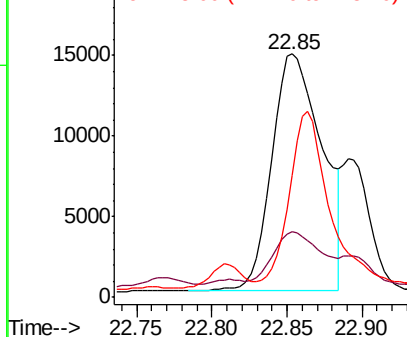


Abundance

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



#36

Benzo(k)fluoranthene

Concen: 0.087 ng m

RT: 22.89 min Scan# 2441

Delta R.T. -0.02 min

Lab File: BN004906.D

Acq: 23 Mar 2019 03:51

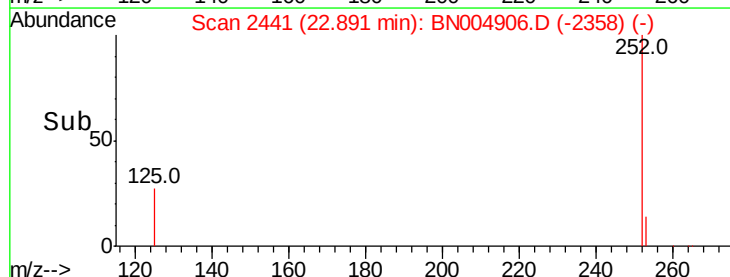
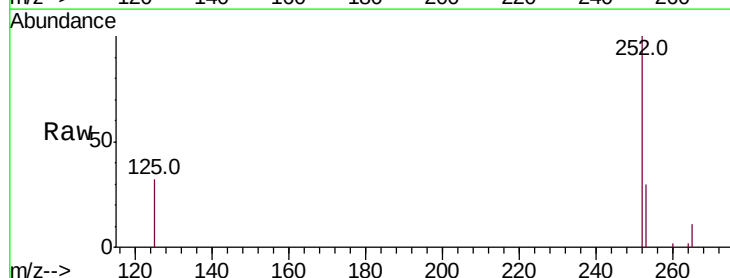
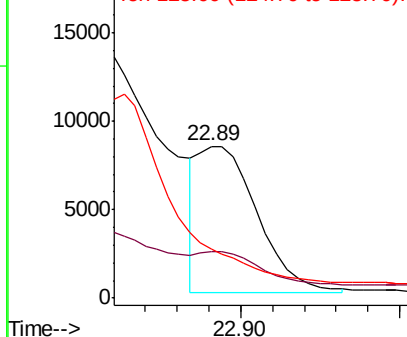
Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.3	19.3	28.9
125	32.2	7.4	11.0

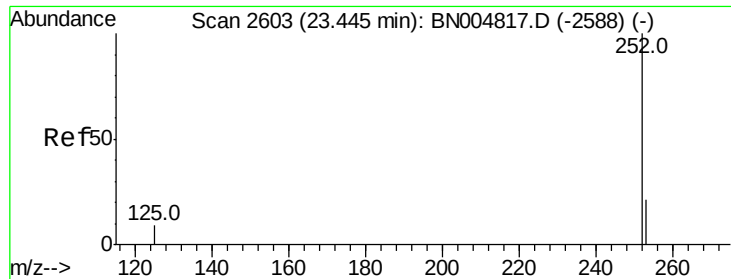
Abundance

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(a)pyrene

Concen: 0.209 ng

RT: 23.43 min Scan# 2598

Delta R.T. -0.02 min

Lab File: BN004906.D

Acq: 23 Mar 2019 03:51

Instrument :

BNA_N

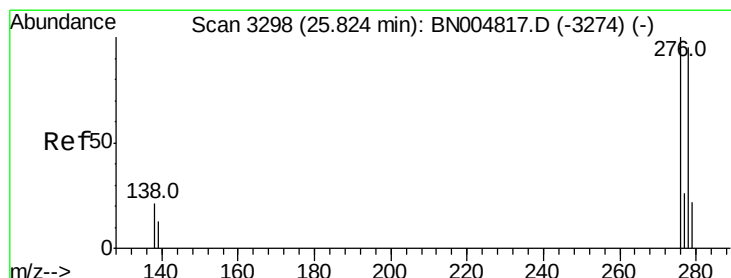
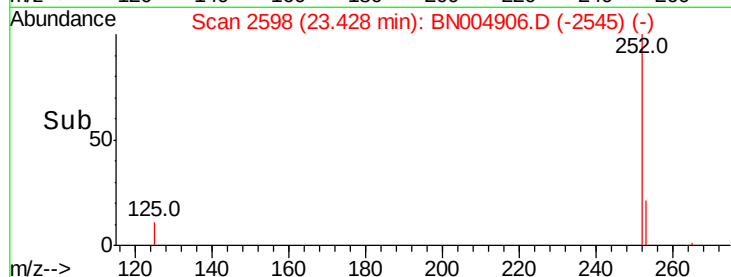
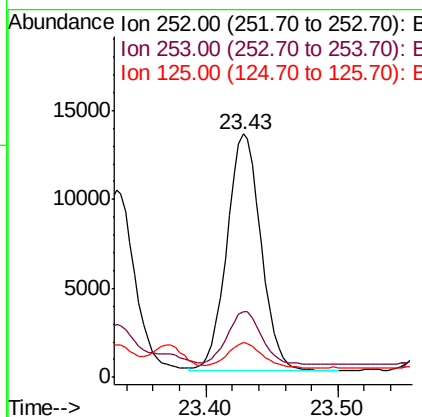
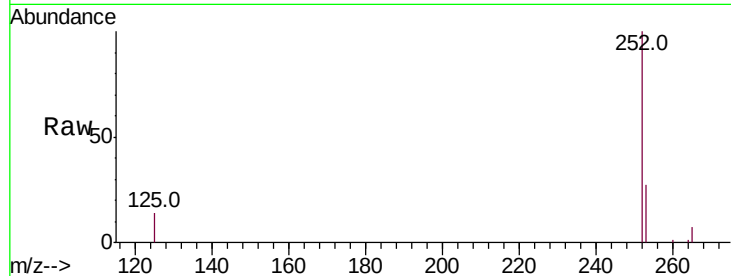
ClientSampleId :

PST-026-B022-031819

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.9	19.7	29.5
125	14.2	8.3	12.5

Manual Integrations
APPROVED

Sohil
3/25/2019 8:56:48 AM



#38

Dibenzo(a,h)anthracene

Concen: 0.033 ng

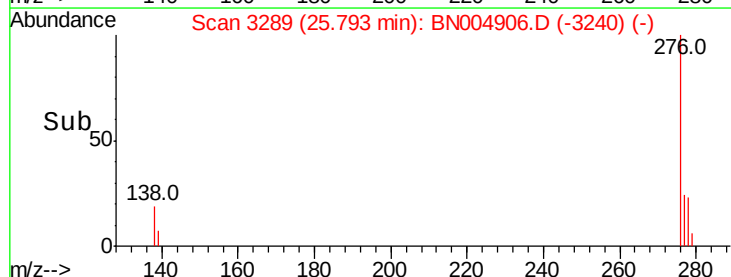
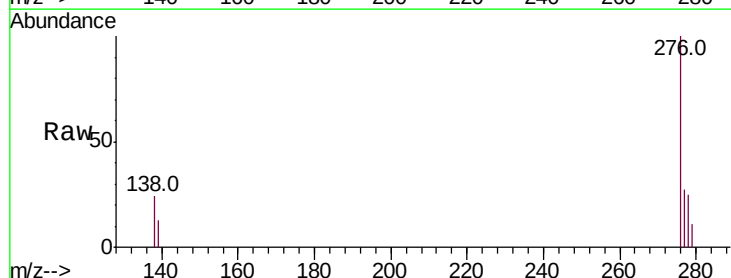
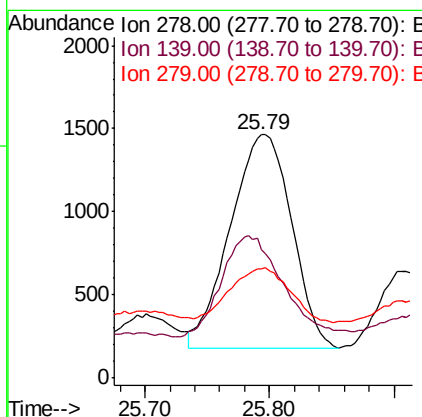
RT: 25.79 min Scan# 3289

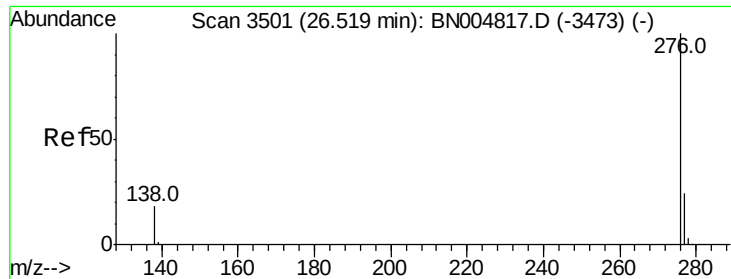
Delta R.T. -0.03 min

Lab File: BN004906.D

Acq: 23 Mar 2019 03:51

Tgt Ion	Ratio	Lower	Upper
278	100		
139	52.8	11.7	17.5
279	45.1	19.9	29.9





#39

Benzo(a,h,i)perylene

Concen: 0.121 ng

RT: 26.49 min Scan# 3493

Delta R.T. -0.03 min

Lab File: BN004906.D

Acq: 23 Mar 2019 03:51

Instrument :

BNA_N

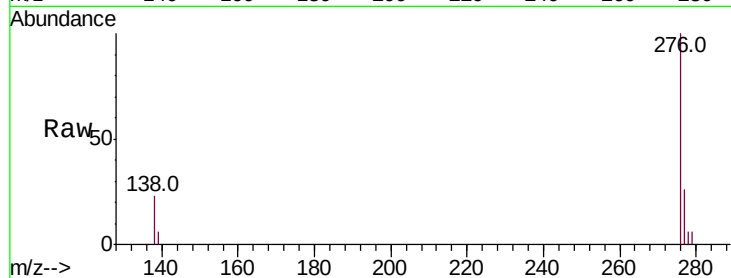
ClientSampleId :

PST-026-B022-031819

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.3	19.7	29.5
138	22.9	14.6	22.0

Manual Integrations
APPROVED

Sohil
3/25/2019 8:56:48 AM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

