

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032219\
 Data File : BN004907.D
 Acq On : 23 Mar 2019 04:26
 Operator : JU/SJ
 Sample : K2013-13
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-SW032-031819

Manual Integrations
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Sohil
 3/25/2019 8:56:50 AM

Quant Time: Mar 23 05:50:46 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	3610	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	15709	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	9007	0.40	ng	-0.01
19) Phenanthrene-d10	17.08	188	21382	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	27417	0.40	ng	-0.01
34) Perylene-d12	23.53	264	27321	0.40	ng	-0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.28	112	4410	0.45	ng	0.00
5) Phenol-d6	6.86	99	6244	0.51	ng	-0.02
8) Nitrobenzene-d5	8.86	82	4093	0.39	ng	-0.01
11) 2-Methylnaphthalene-d10	12.07	152	8979	0.33	ng	0.00
14) 2,4,6-Tribromophenol	15.84	330	3243	0.52	ng	-0.01
15) 2-Fluorobiphenyl	12.95	172	15345	0.41	ng	-0.01
25) Fluoranthene-d10	19.12	212	23255	0.32	ng	-0.02
29) Terphenyl-d14	19.72	244	23748	0.42	ng	-0.01

Target Compounds						Qvalue
9) Naphthalene	10.53	128	1051	0.024	ng	# 81
16) Acenaphthylene	14.05	152	4002	0.086	ng	99
17) Acenaphthene	14.39	154	609	0.020	ng	97
18) Fluorene	15.38	166	1206	0.028	ng	# 89
23) Phenanthrene	17.12	178	26518	0.384	ng	99
24) Anthracene	17.22	178	4180	0.068	ng	# 94
26) Fluoranthene	19.15	202	46022	0.519	ng	98
28) Pyrene	19.51	202	45029	0.539	ng	97
30) Benzo(a)anthracene	21.26	228	25674	0.286	ng	96
31) Chrysene	21.32	228	23732	0.251	ng	96
32) Bis(2-ethylhexyl)phthalate	21.17	149	4547	0.127	ng	98
33) Indeno(1,2,3-cd)pyrene	25.79	276	14162	0.103	ng	99
35) Benzo(b)fluoranthene	22.85	252	33158	0.335	ng	# 83
36) Benzo(k)fluoranthene	22.89	252	12582m	0.129	ng	
37) Benzo(a)pyrene	23.43	252	22707	0.250	ng	# 94
38) Dibenzo(a,h)anthracene	25.79	278	3746	0.036	ng	# 41
39) Benzo(a,h,i)perylene	26.49	276	13422	0.125	ng	# 94

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

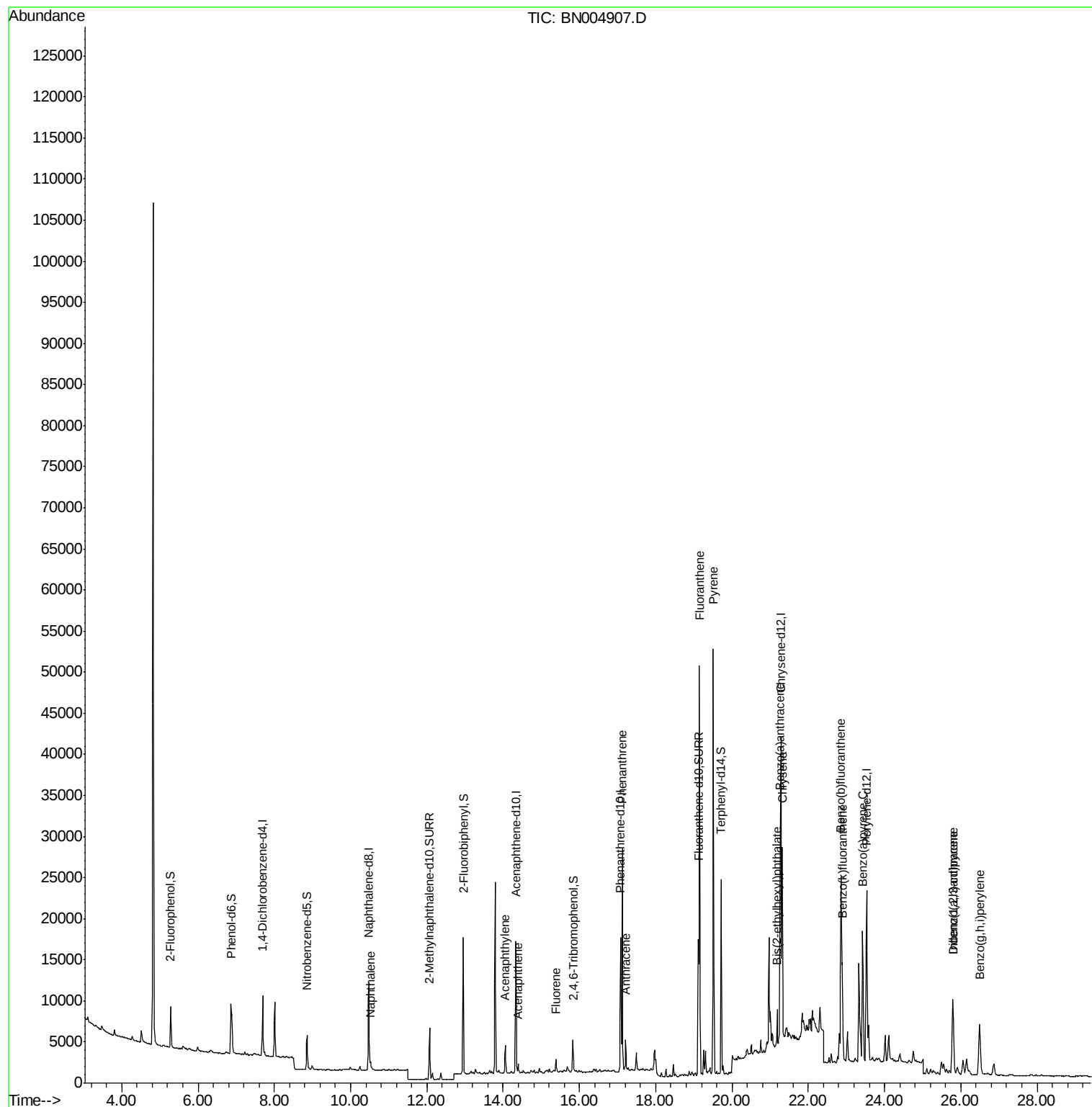
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032219\
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ALS Vial : 15 Sample Multiplier: 1

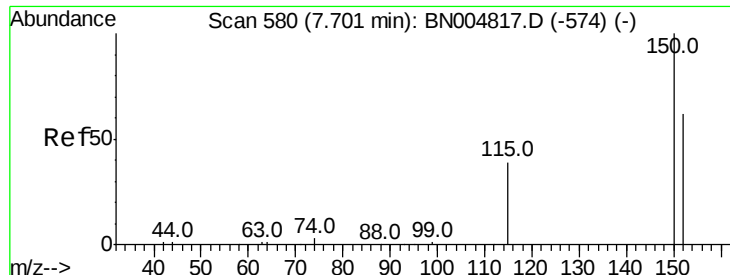
Instrument :
BNA_N
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PST-026-SW032-031819

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#1

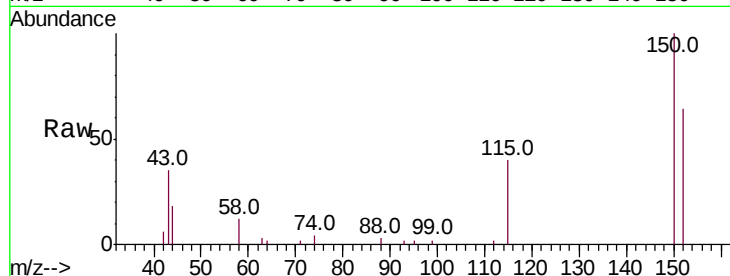
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.69 min Scan# 579
 Delta R.T. -0.01 min
 Lab File: BN004907.D
 Acq: 23 Mar 2019 04:26

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-SW032-031819

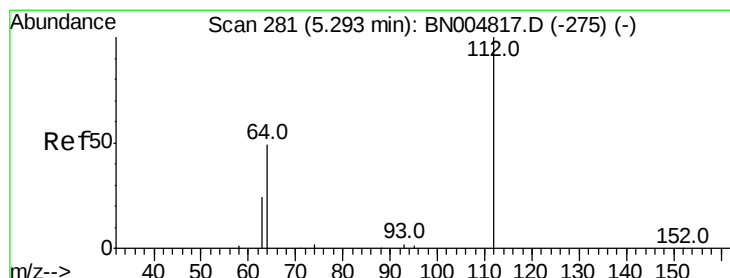
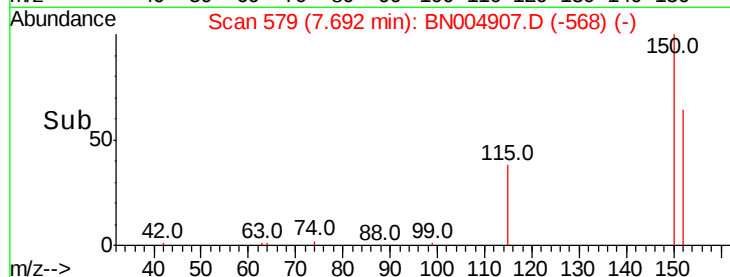
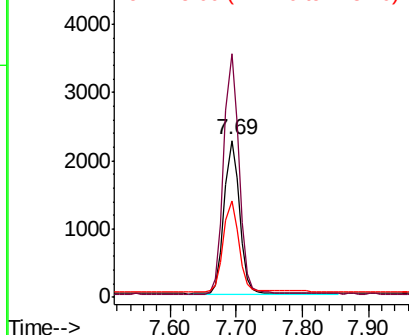
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	126.2	189.4
115	61.8	52.6	79.0

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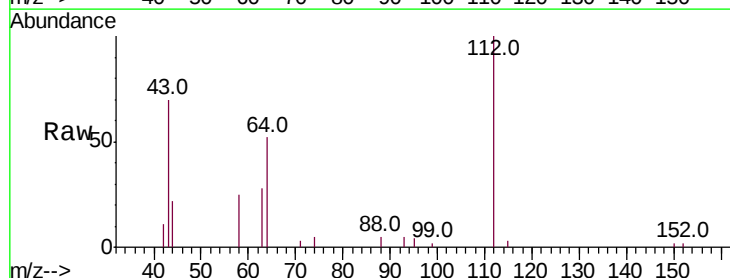
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



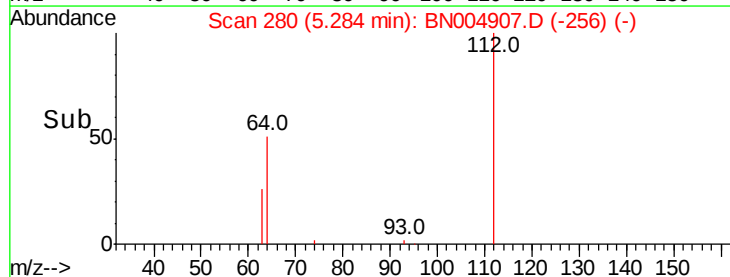
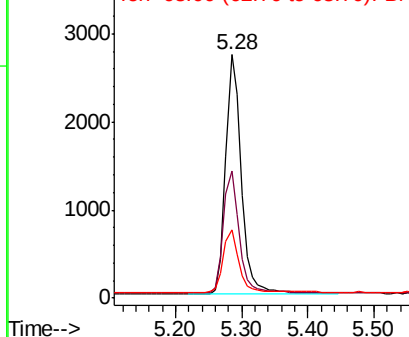
#4

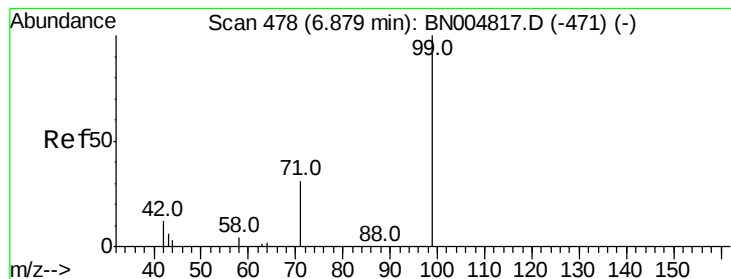
2-Fluorophenol
 Concen: 0.449 ng
 RT: 5.28 min Scan# 280
 Delta R.T. -0.01 min
 Lab File: BN004907.D
 Acq: 23 Mar 2019 04:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.4	40.0	60.0
63	26.6	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: 0.511 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004907.D

Acq: 23 Mar 2019 04:26

Instrument :

BNA_N

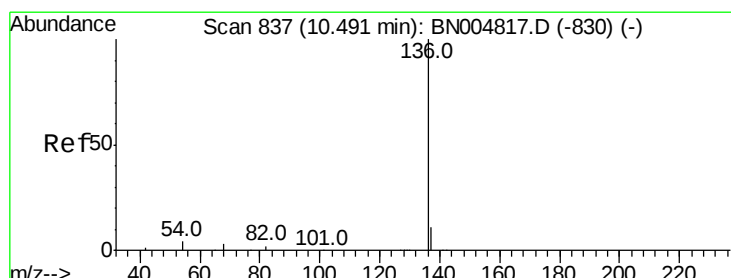
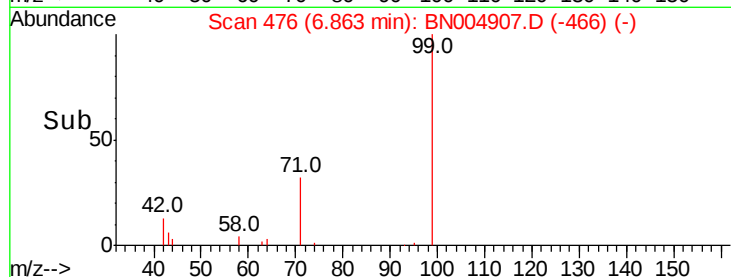
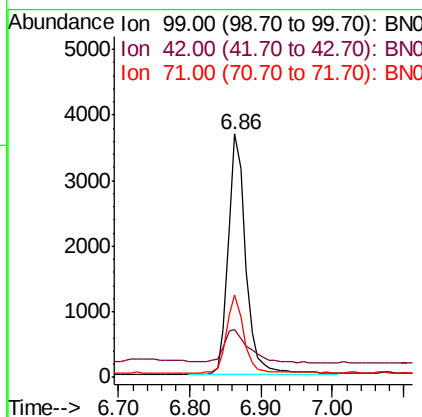
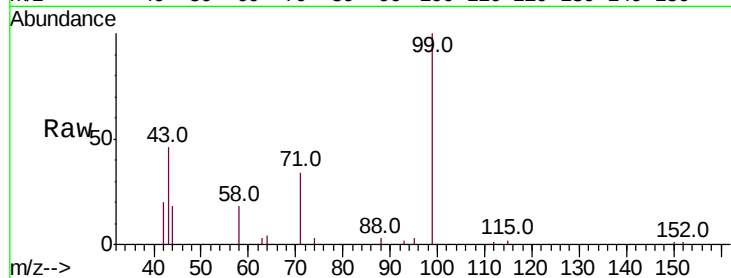
ClientSampleId :

PST-026-SW032-031819

Tot Ion:	99	Resp:	6244
Ion	Ratio	Lower	Upper
99	100		
42	18.8	12.7	19.1
71	31.7	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

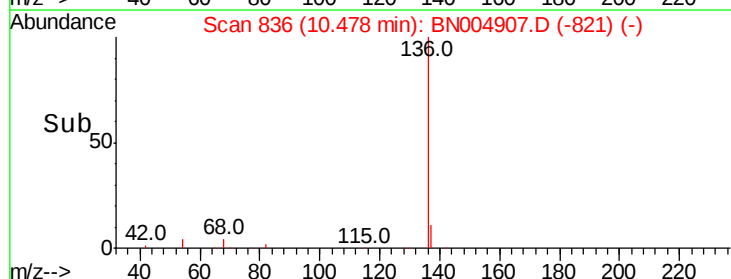
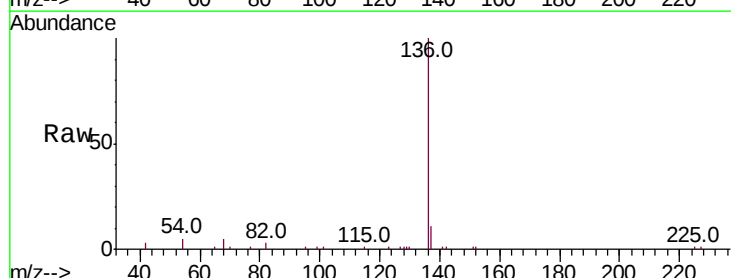
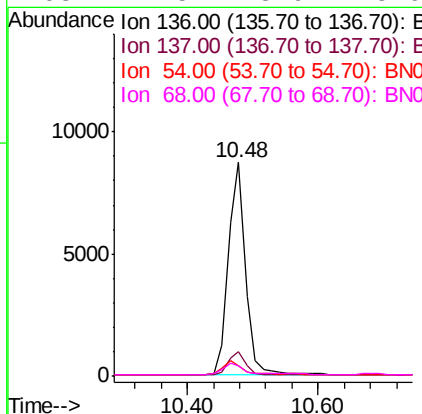
RT: 10.48 min Scan# 836

Delta R.T. -0.01 min

Lab File: BN004907.D

Acq: 23 Mar 2019 04:26

Tgt Ion:	136	Resp:	15709
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.6	14.4
54	5.0	4.2	6.2
68	4.5	3.9	5.9





#8

Nitrobenzene-d5

Concen: 0.394 ng

RT: 8.86 min Scan# 708

Delta R.T. -0.01 min

Lab File: BN004907.D

Acq: 23 Mar 2019 04:26

Instrument :

BNA_N

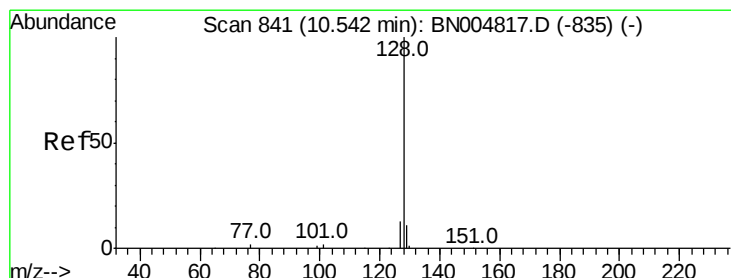
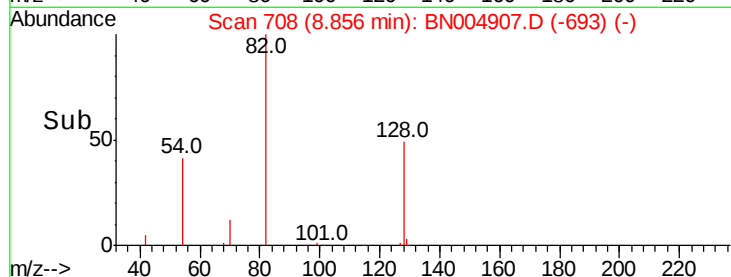
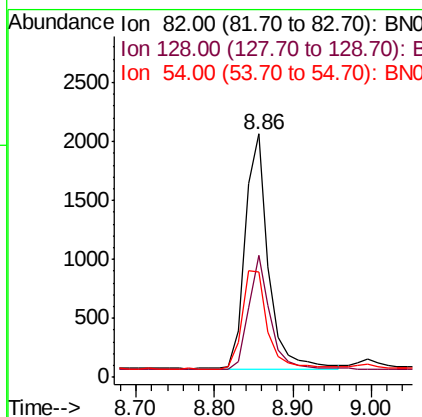
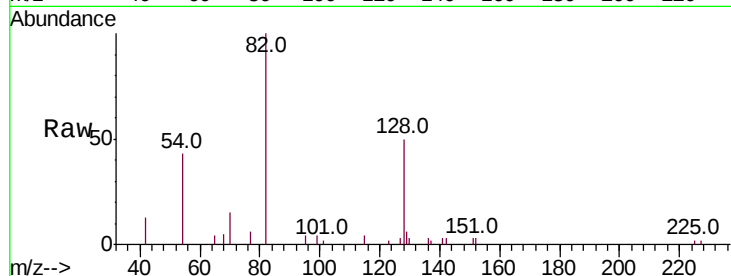
ClientSampleId :

PST-026-SW032-031819

Tot Ion:	82	Resp:	4093
Ion Ratio	Lower	Upper	
82	100		
128	49.9	43.0	64.6
54	43.4	35.3	52.9

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#9

Naphthalene

Concen: 0.024 ng

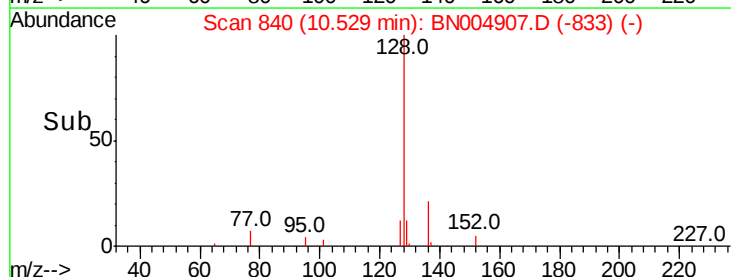
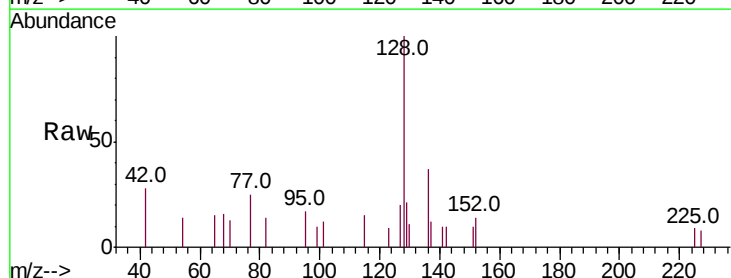
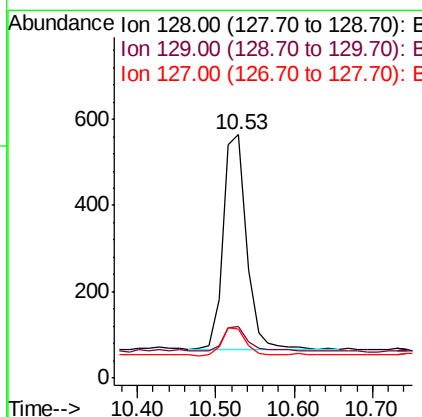
RT: 10.53 min Scan# 840

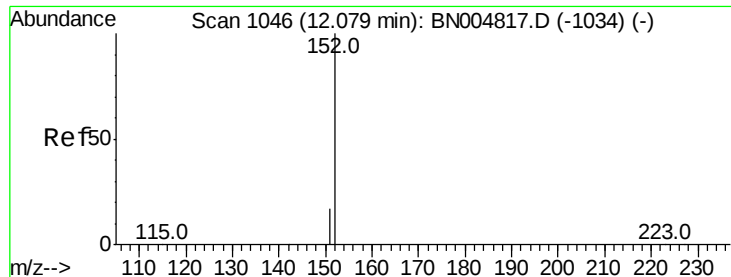
Delta R.T. -0.01 min

Lab File: BN004907.D

Acq: 23 Mar 2019 04:26

Tgt Ion:	128	Resp:	1051
Ion Ratio	Lower	Upper	
128	100		
129	21.3	9.9	14.9#
127	20.4	11.3	16.9#





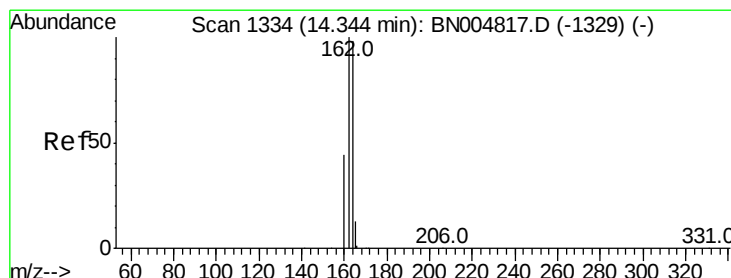
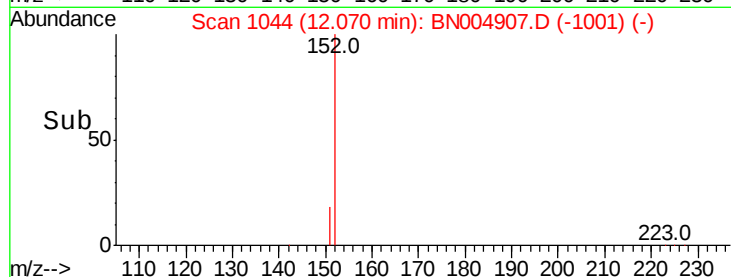
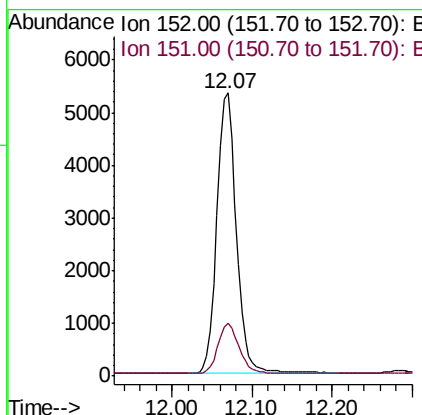
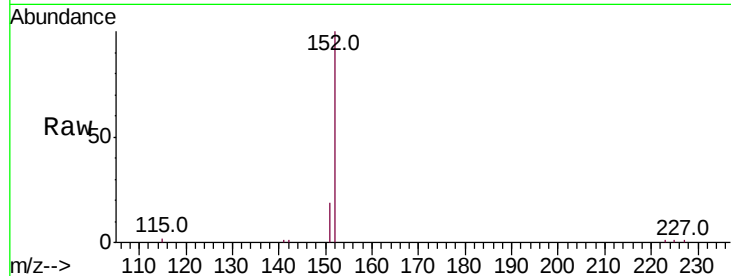
#11
2-Methylnaphthalene-d10
Concen: 0.328 ng
RT: 12.07 min Scan# 1044
Delta R.T. -0.01 min
Lab File: BN004907.D
Acq: 23 Mar 2019 04:26

Instrument :
BNA_N
ClientSampleId :
PST-026-SW032-031819

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.5	23.3

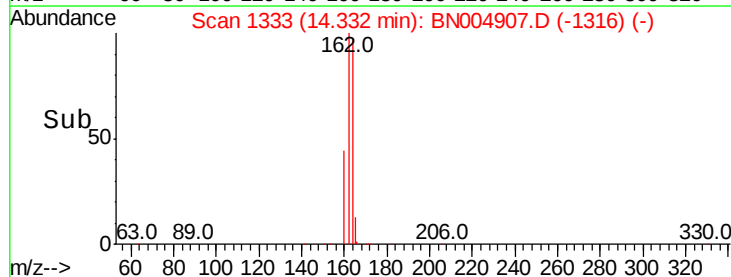
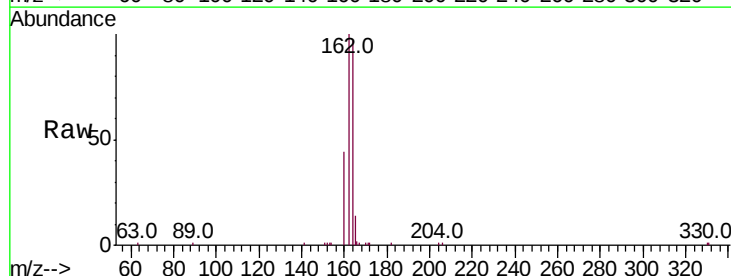
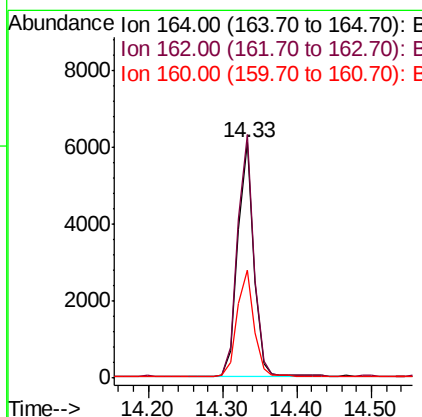
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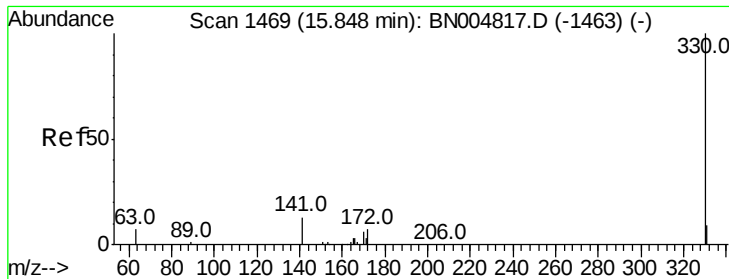
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#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.33 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BN004907.D
Acq: 23 Mar 2019 04:26

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	81.9	122.9
160	45.9	36.6	54.8





#14

2,4,6-Tribromophenol

Concen: 0.521 ng

RT: 15.84 min Scan# 1468

Delta R.T. -0.01 min

Lab File: BN004907.D

Acq: 23 Mar 2019 04:26

Instrument :

BNA_N

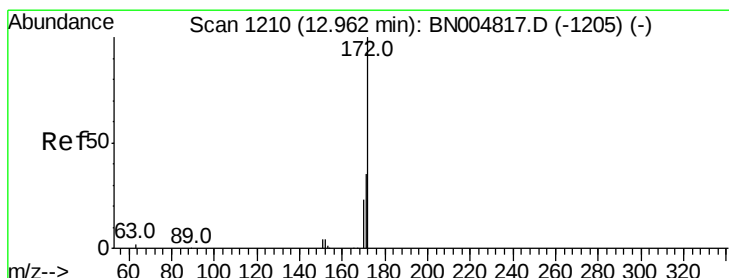
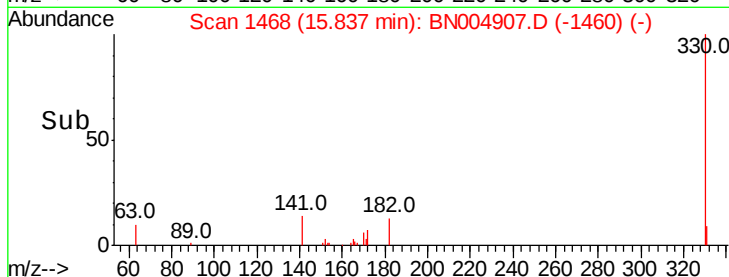
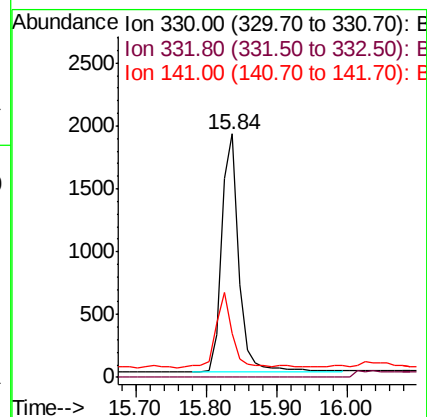
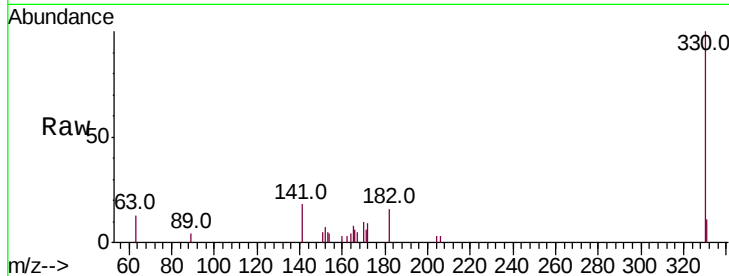
ClientSampleId :

PST-026-SW032-031819

Tot Ion:	330	Resp:	3243
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	29.7	20.9	31.3

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#15

2-Fluorobiphenyl

Concen: 0.412 ng

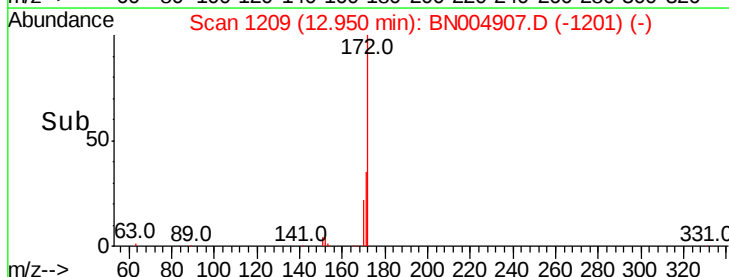
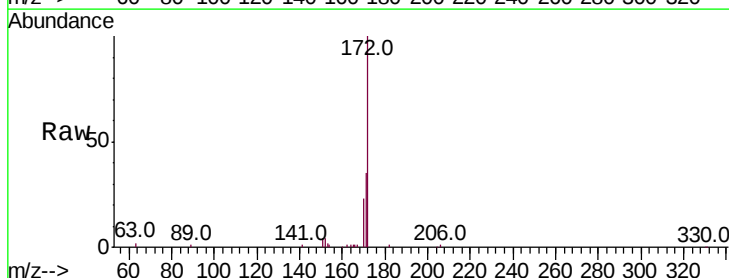
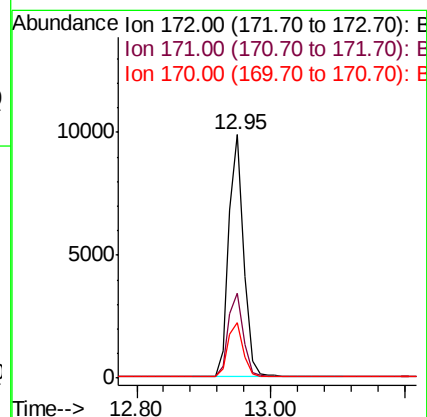
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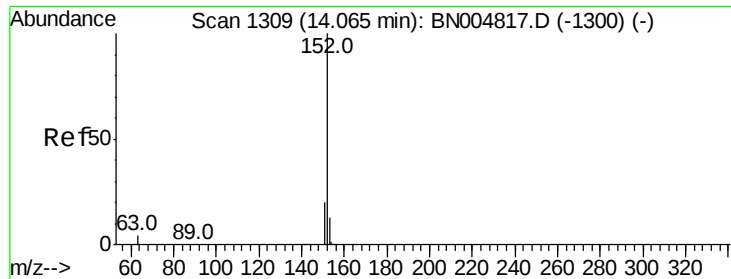
Delta R.T. -0.01 min

Lab File: BN004907.D

Acq: 23 Mar 2019 04:26

Tgt Ion:	172	Resp:	15345
Ion Ratio	Lower	Upper	
172	100		
171	35.1	28.7	43.1
170	22.8	18.7	28.1





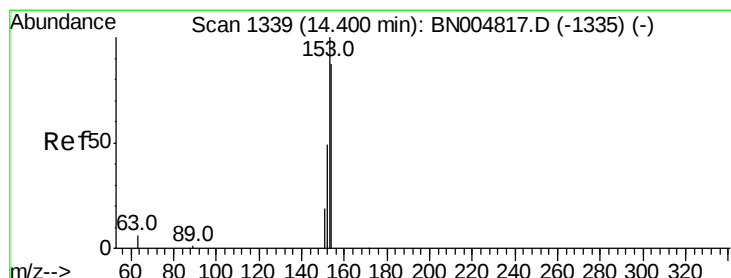
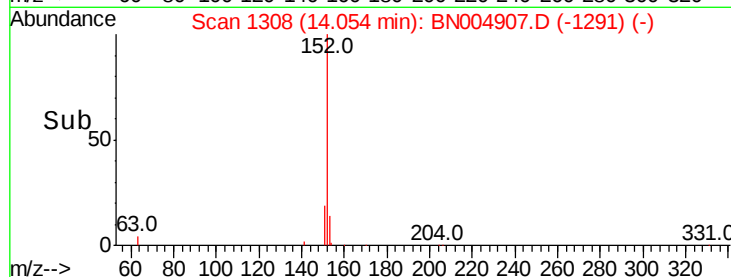
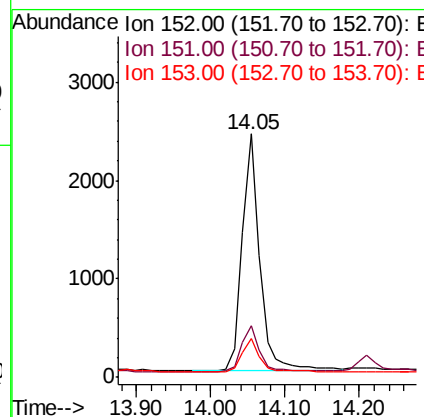
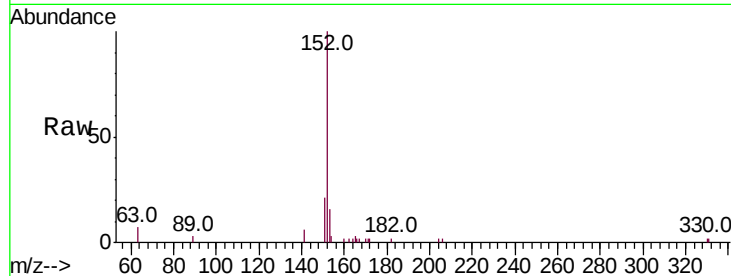
#16
Acenaphthylene
Concen: 0.086 ng
RT: 14.05 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BN004907.D
Acq: 23 Mar 2019 04:26

Instrument :
BNA_N
ClientSampleId :
PST-026-SW032-031819

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.1	24.1
153	14.0	10.5	15.7

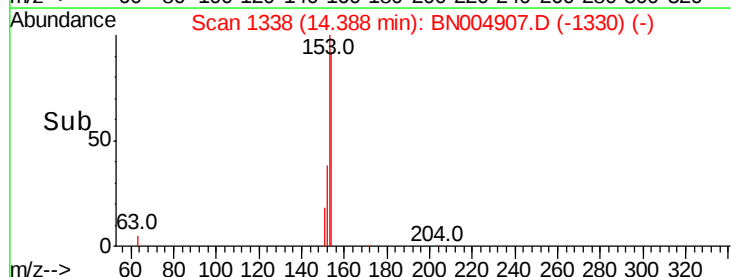
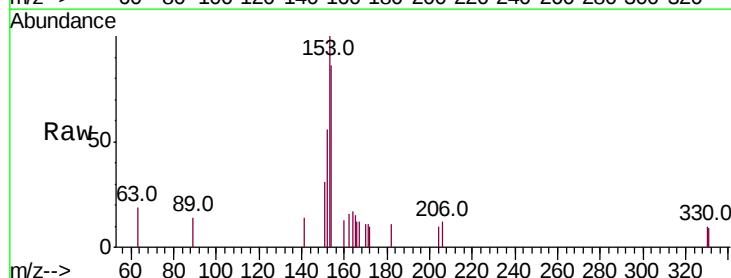
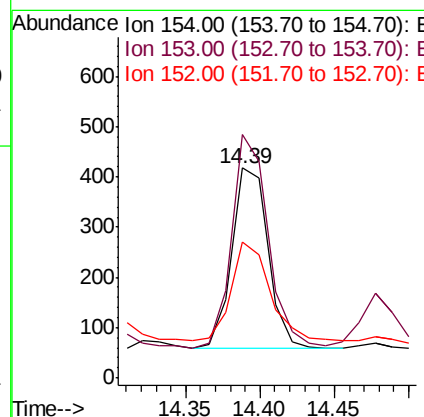
Manual Integrations
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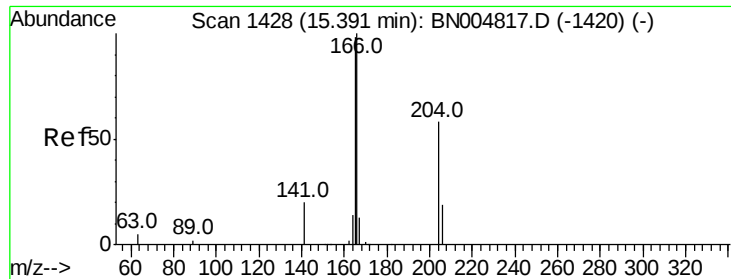
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#17
Acenaphthene
Concen: 0.020 ng
RT: 14.39 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BN004907.D
Acq: 23 Mar 2019 04:26

Tgt Ion	Ratio	Lower	Upper
154	100		
153	118.1	91.4	137.2
152	56.8	44.2	66.2





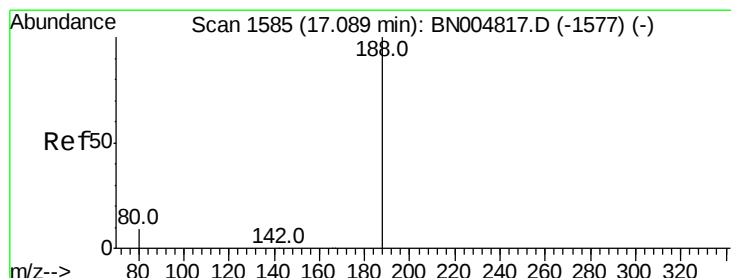
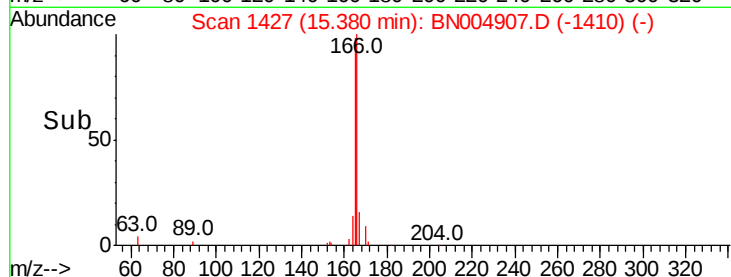
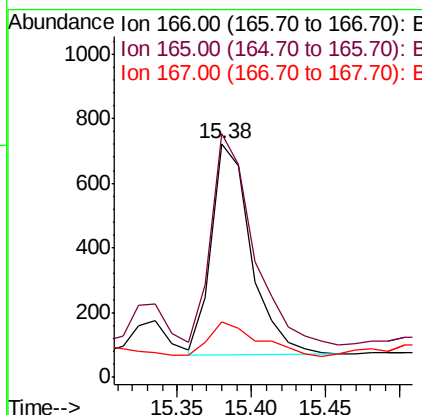
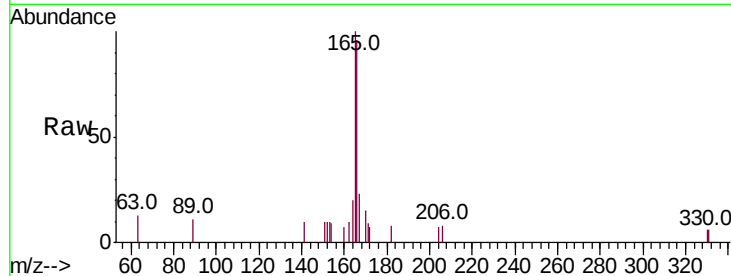
#18
Fluorene
 Concen: 0.028 ng
 RT: 15.38 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BN004907.D
 Acq: 23 Mar 2019 04:26

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-SW032-031819

Tot Ion	Ratio	Lower	Upper
166	100		
165	108.6	78.2	117.4
167	19.7	11.0	16.4

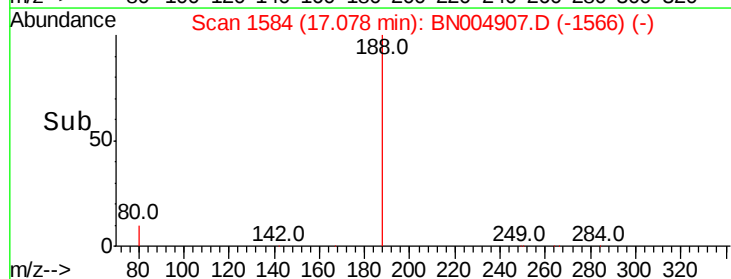
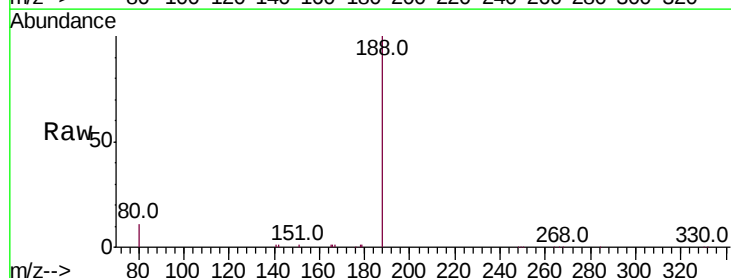
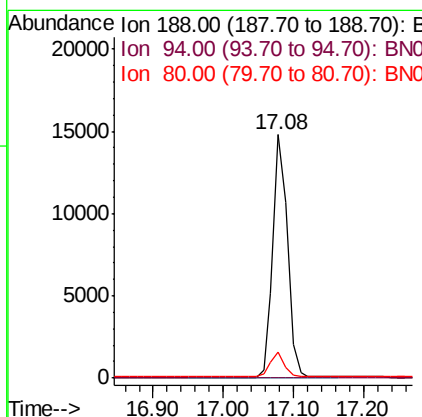
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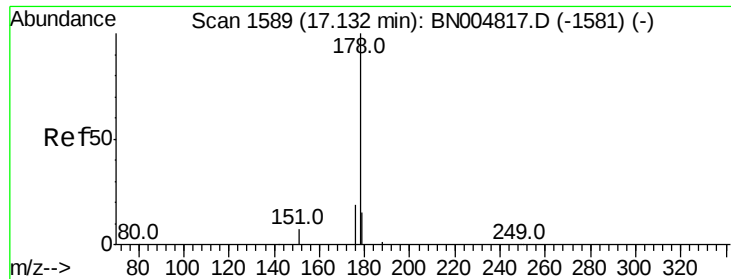
Sohil
 3/25/2019 8:56:50 AM



#19
Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.08 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BN004907.D
 Acq: 23 Mar 2019 04:26

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.6	7.4	11.2





#23

Phenanthrene

Concen: 0.384 ng

RT: 17.12 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BN004907.D

Acq: 23 Mar 2019 04:26

Instrument :

BNA_N

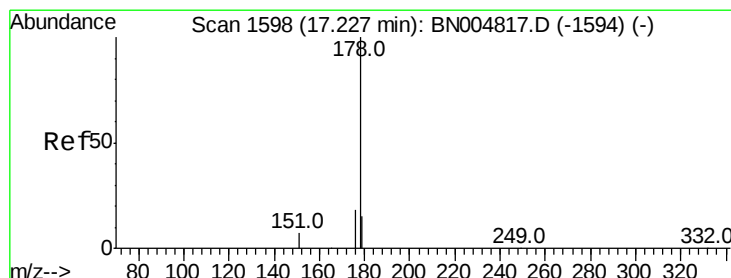
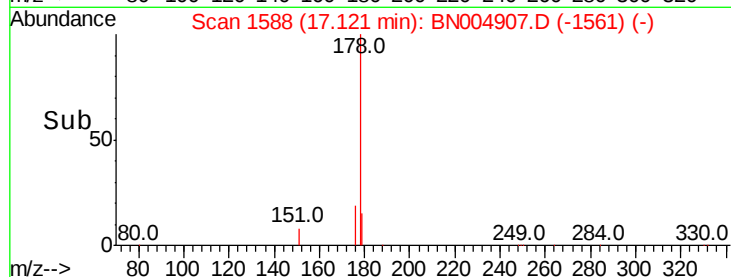
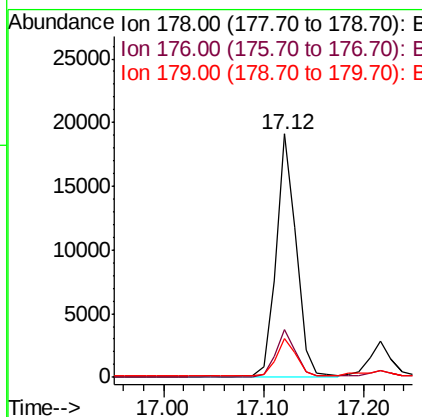
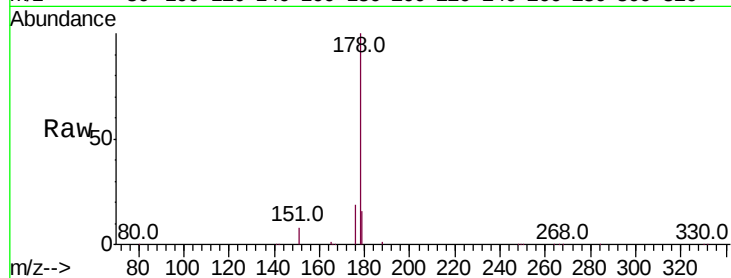
ClientSampleId :

PST-026-SW032-031819

Tot Ion:178	Resp:	26518
Ion Ratio	Lower	Upper
178	100	
176	19.0	14.9 22.3
179	15.6	12.1 18.1

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#24

Anthracene

Concen: 0.068 ng

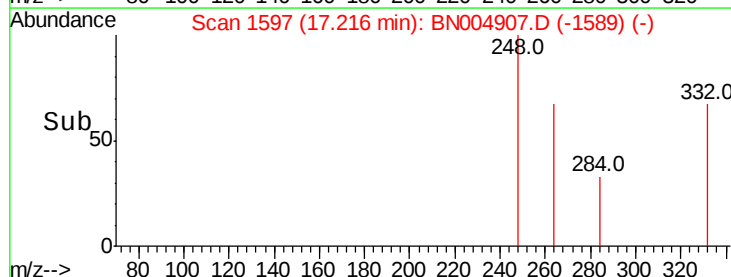
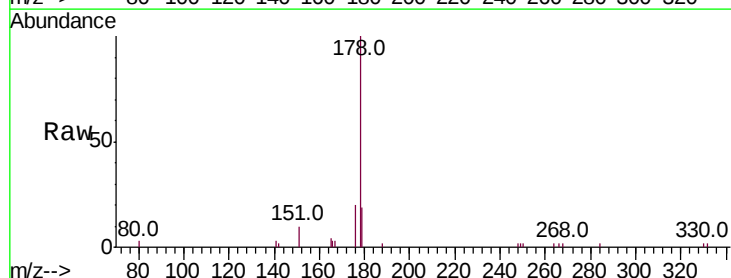
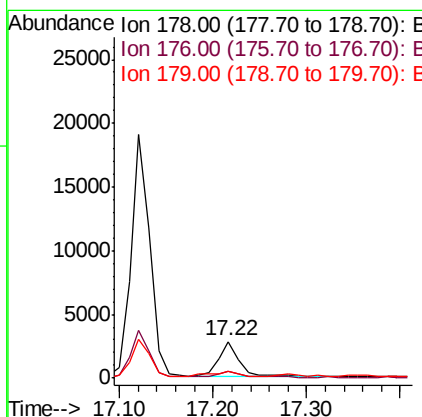
RT: 17.22 min Scan# 1597

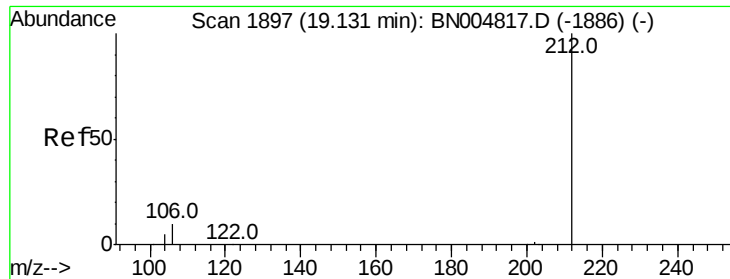
Delta R.T. -0.01 min

Lab File: BN004907.D

Acq: 23 Mar 2019 04:26

Tgt Ion:178	Resp:	4180
Ion Ratio	Lower	Upper
178	100	
176	17.2	14.5 21.7
179	20.2	12.2 18.4#





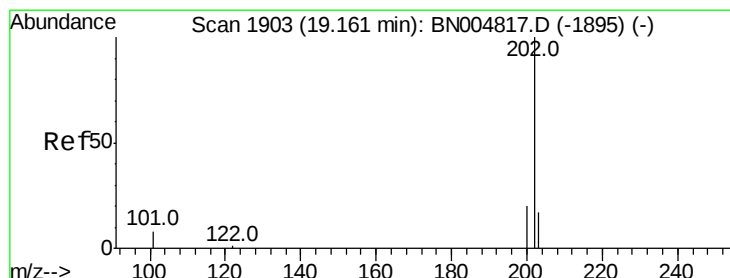
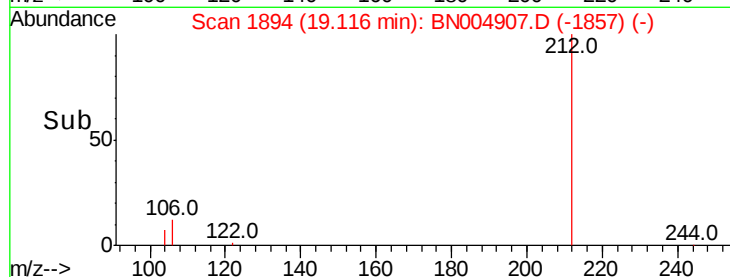
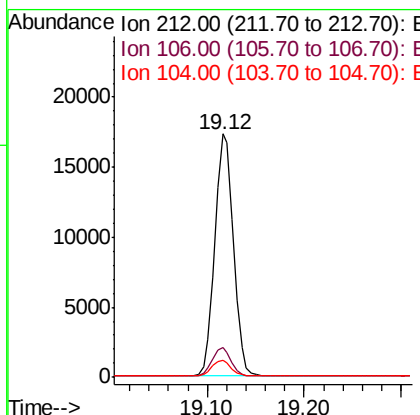
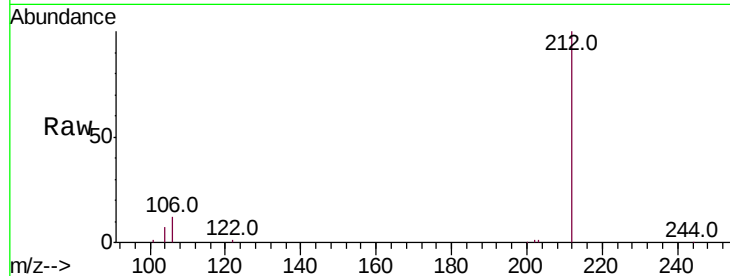
#25
 Fluoranthene-d10
 Concen: 0.325 ng
 RT: 19.12 min Scan# 1894
 Delta R.T. -0.02 min
 Lab File: BN004907.D
 Acq: 23 Mar 2019 04:26

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-SW032-031819

Tot Ion	Ratio	Resp	Lower	Upper
212	100	23255		
106	11.9	8.6	13.0	
104	6.7	4.7	7.1	

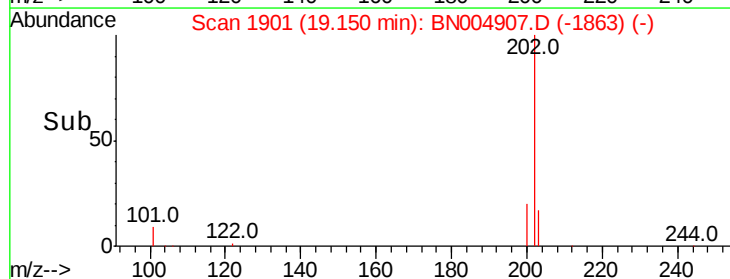
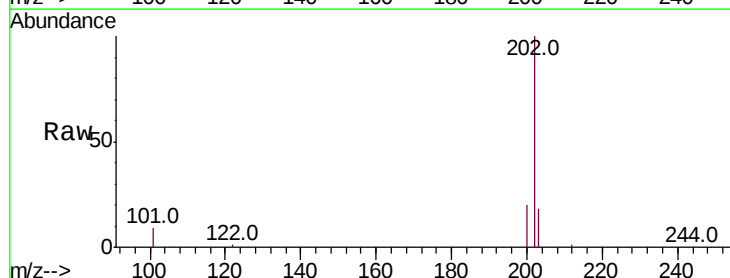
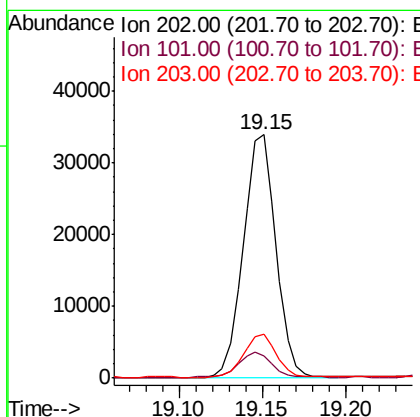
Manual Integrations
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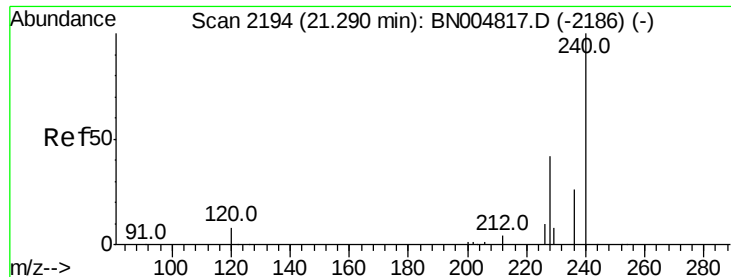
Sohil
 3/25/2019 8:56:50 AM



#26
 Fluoranthene
 Concen: 0.519 ng
 RT: 19.15 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: BN004907.D
 Acq: 23 Mar 2019 04:26

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	46022		
101	10.6	7.5	11.3	
203	17.5	13.8	20.6	





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.28 min Scan# 2193

Delta R.T. -0.01 min

Lab File: BN004907.D

Acq: 23 Mar 2019 04:26

Instrument :

BNA_N

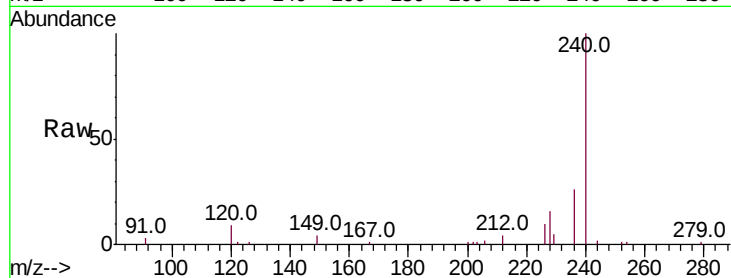
ClientSampleId :

PST-026-SW032-031819

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.8	7.2	10.8
236	26.4	20.9	31.3

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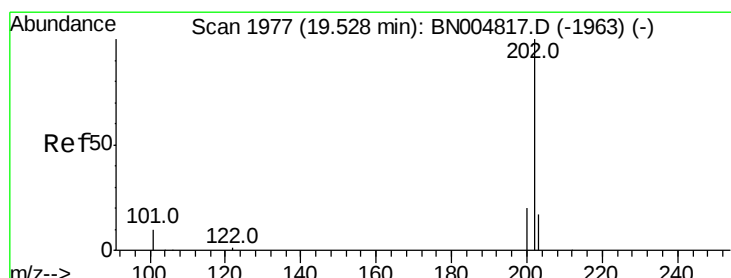
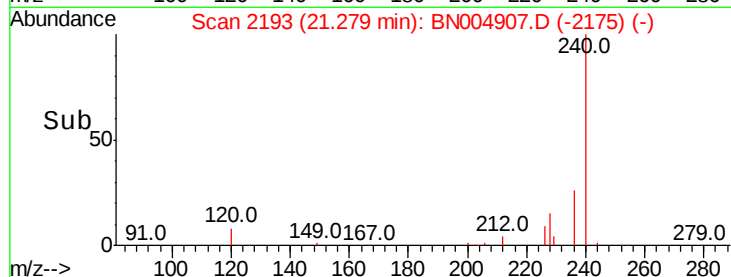
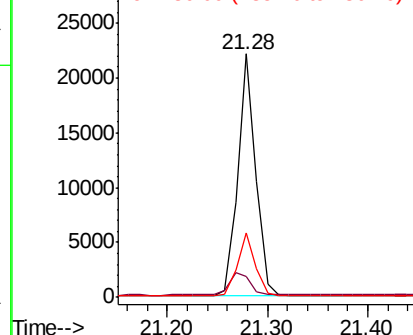


Abundance

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: 0.539 ng

RT: 19.51 min Scan# 1974

Delta R.T. -0.02 min

Lab File: BN004907.D

Acq: 23 Mar 2019 04:26

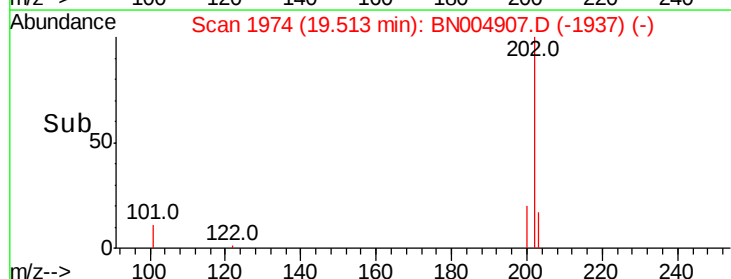
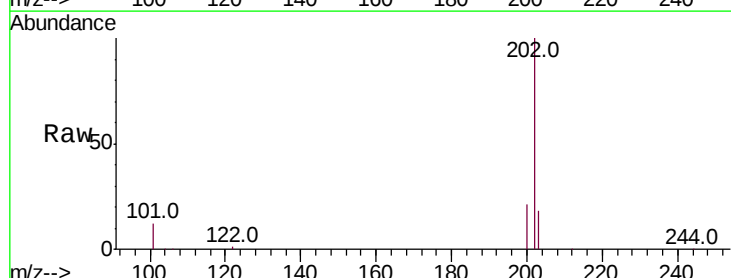
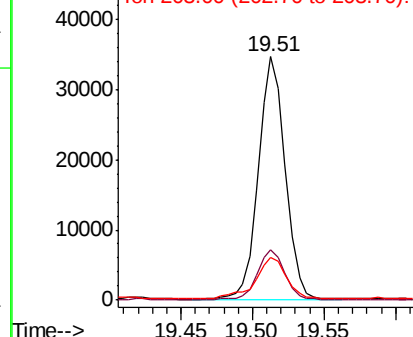
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.3	24.5
203	20.0	14.0	21.0

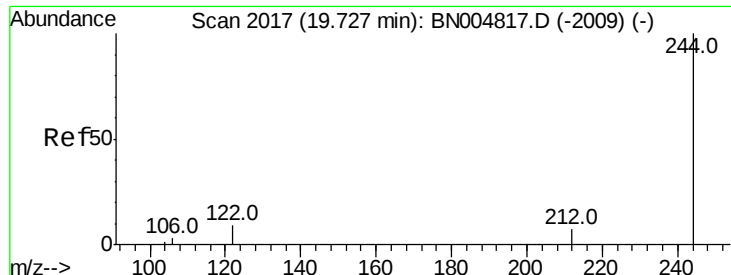
Abundance

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: 0.423 ng

RT: 19.72 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BN004907.D

Acq: 23 Mar 2019 04:26

Instrument :

BNA_N

ClientSampleId :

PST-026-SW032-031819

Tot Ion:244 Resp: 23748

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

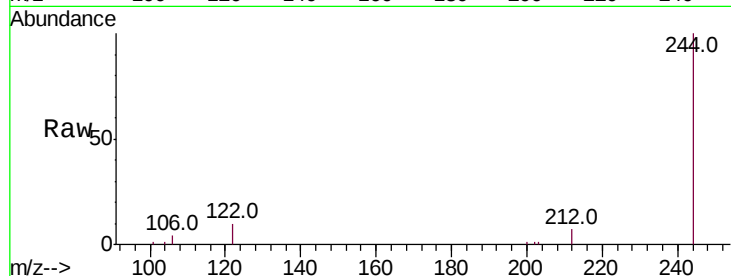
122 9.9 7.9 11.9

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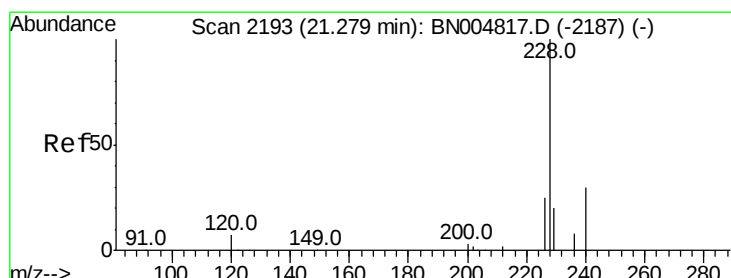
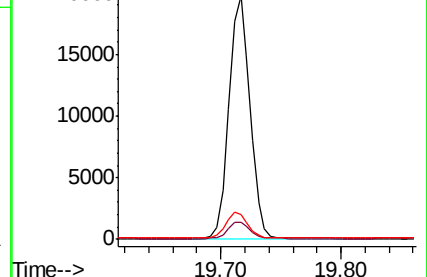
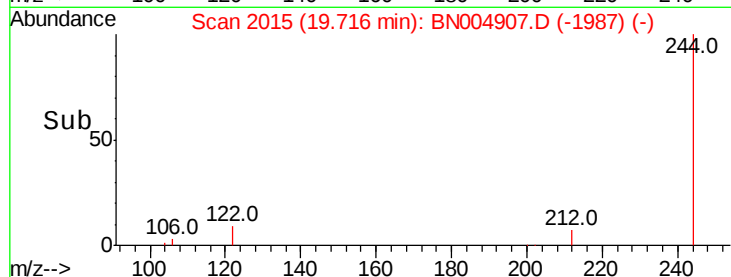
3/25/2019 8:56:50 AM



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: 0.286 ng

RT: 21.26 min Scan# 2191

Delta R.T. -0.02 min

Lab File: BN004907.D

Acq: 23 Mar 2019 04:26

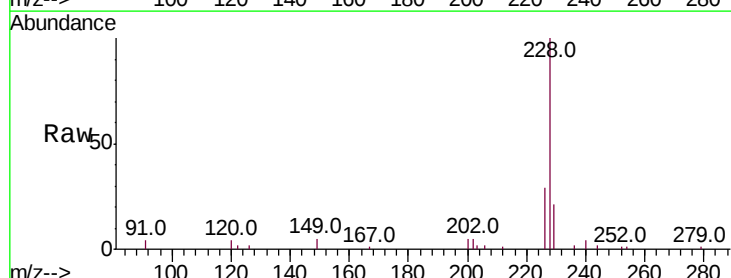
Tgt Ion:228 Resp: 25674

Ion Ratio Lower Upper

228 100

226 29.0 20.6 31.0

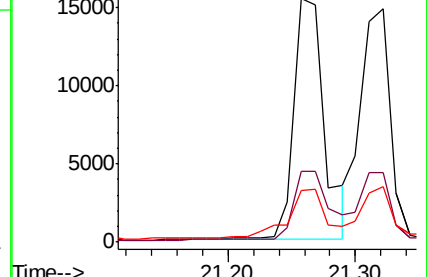
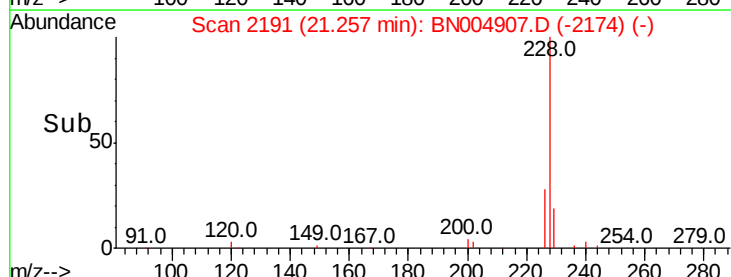
229 21.1 16.2 24.4

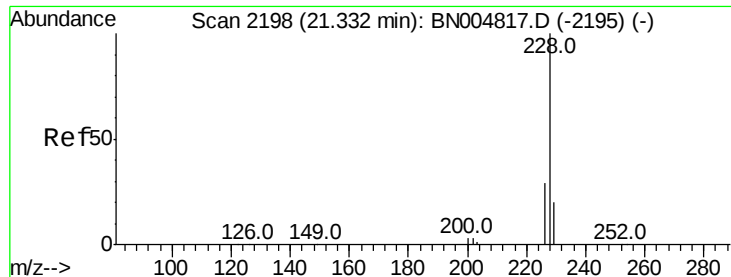


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





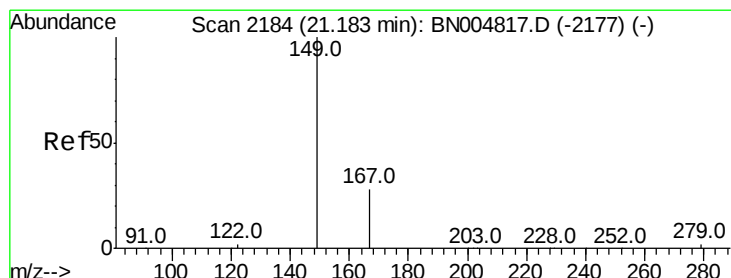
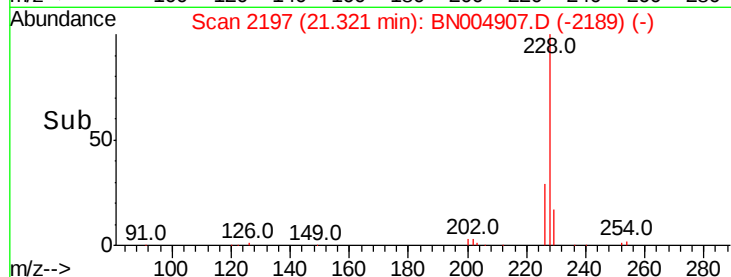
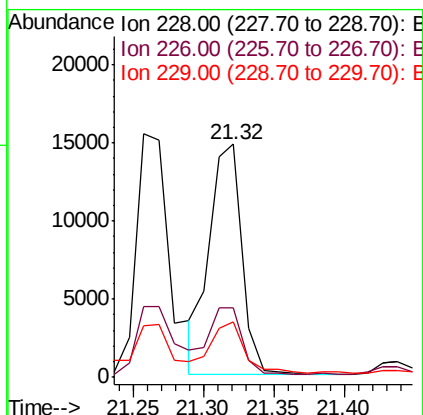
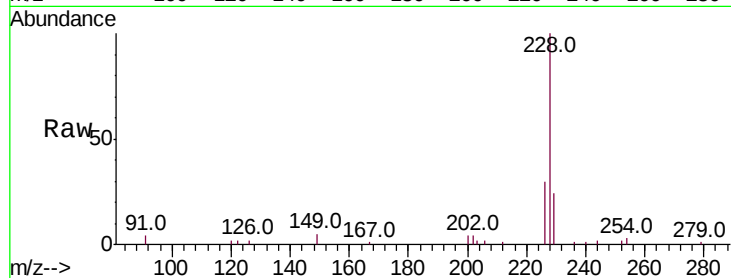
#31
Chrysene
Concen: 0.251 ng
RT: 21.32 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BN004907.D
Acq: 23 Mar 2019 04:26

Instrument :
BNA_N
ClientSampleId :
PST-026-SW032-031819

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.0	34.6
229	23.5	16.2	24.2

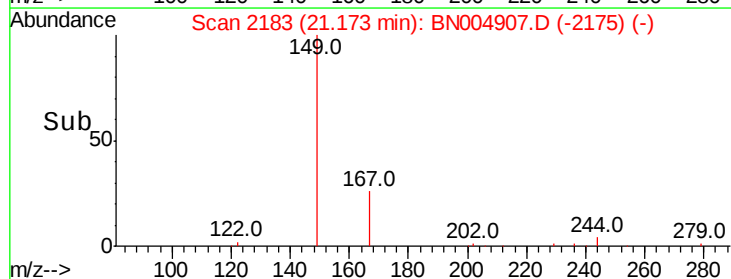
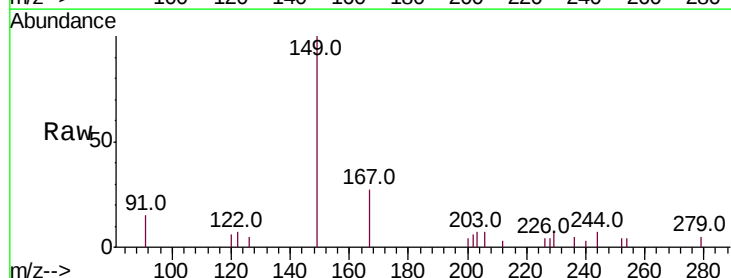
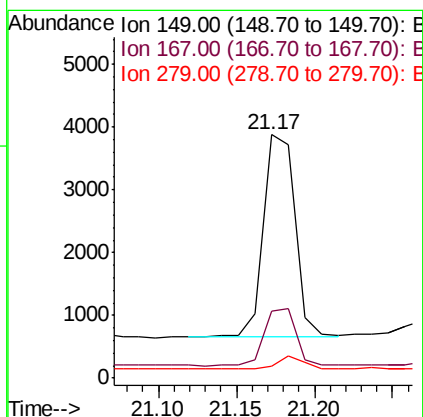
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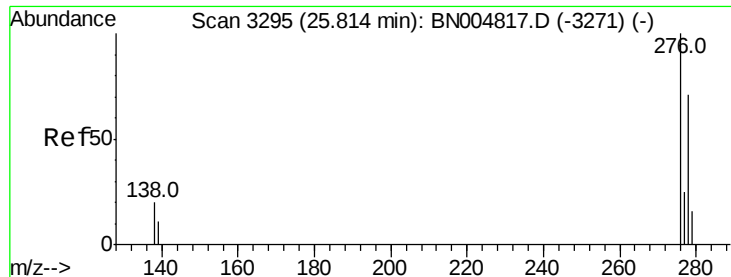
Sohil
3/25/2019 8:56:50 AM



#32
Bis(2-ethylhexyl)phthalate
Concen: 0.127 ng
RT: 21.17 min Scan# 2183
Delta R.T. -0.01 min
Lab File: BN004907.D
Acq: 23 Mar 2019 04:26

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.6	23.0	34.4
279	5.7	4.6	6.8





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.103 ng

RT: 25.79 min Scan# 3289

Delta R.T. -0.02 min

Lab File: BN004907.D

Acq: 23 Mar 2019 04:26

Instrument :

BNA_N

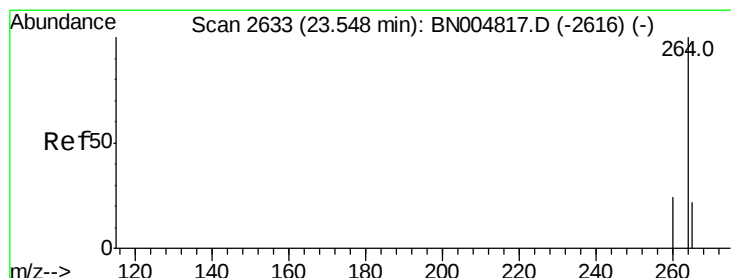
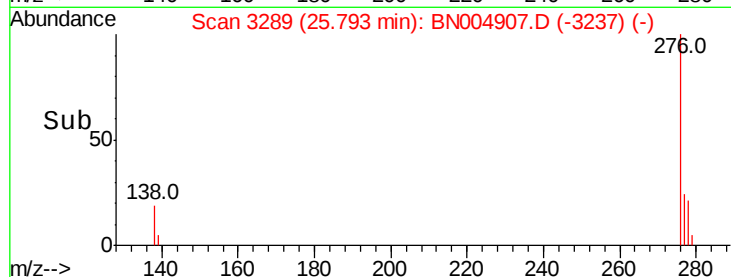
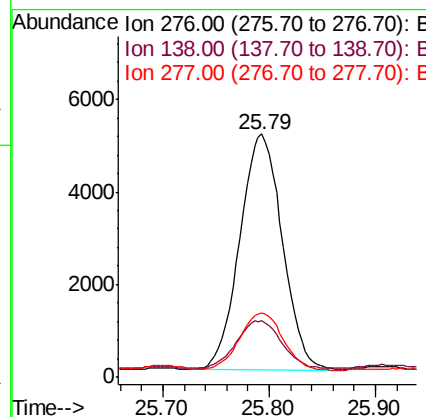
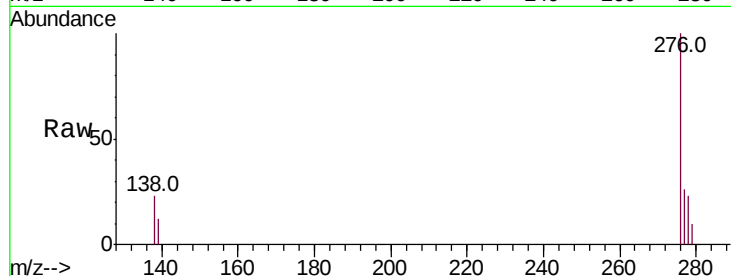
ClientSampleId :

PST-026-SW032-031819

Tot Ion:	276	Resp:	14162
Ion Ratio	Lower	Upper	
276	100		
138	21.4	16.6	24.8
277	24.9	20.3	30.5

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#34

Perylene-d12

Concen: 0.400 ng

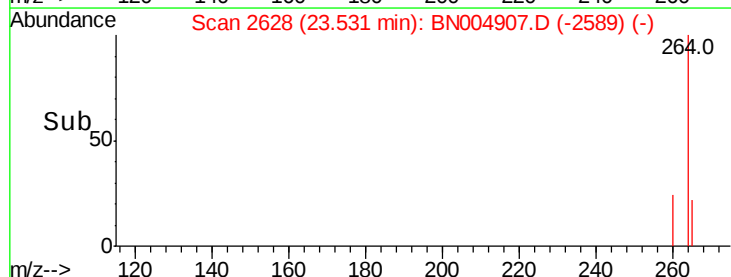
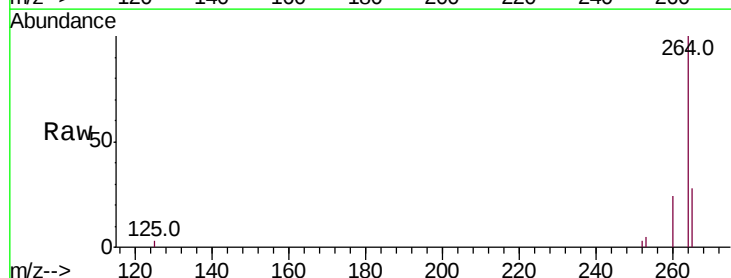
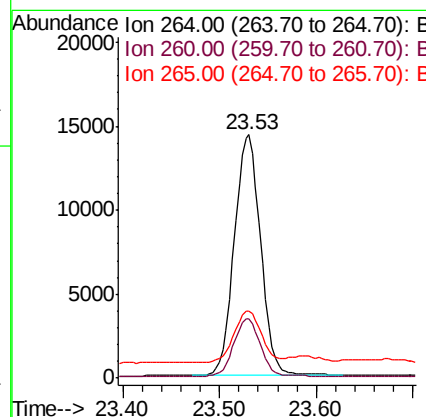
RT: 23.53 min Scan# 2628

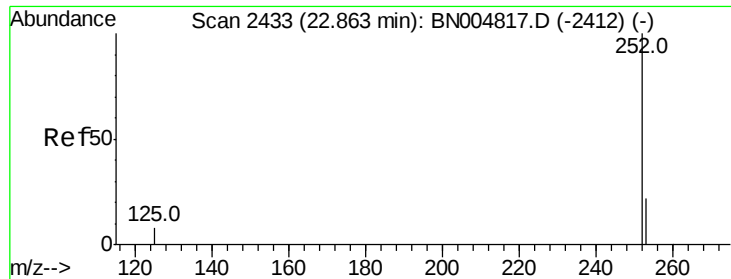
Delta R.T. -0.02 min

Lab File: BN004907.D

Acq: 23 Mar 2019 04:26

Tgt Ion:	264	Resp:	27321
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.5	29.3
265	27.6	23.1	34.7





#35

Benzo(b)fluoranthene

Concen: 0.335 ng

RT: 22.85 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BN004907.D

Acq: 23 Mar 2019 04:26

Instrument :

BNA_N

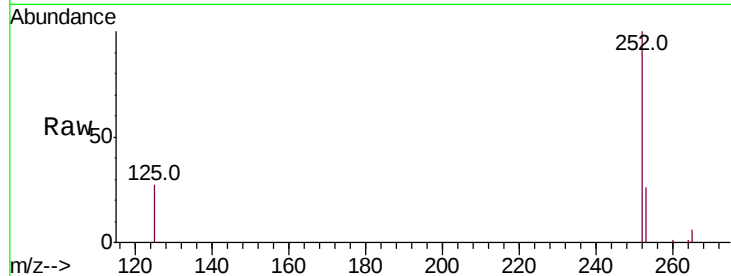
ClientSampleId :

PST-026-SW032-031819

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.2	19.0	28.4
125	27.0	7.4	11.2

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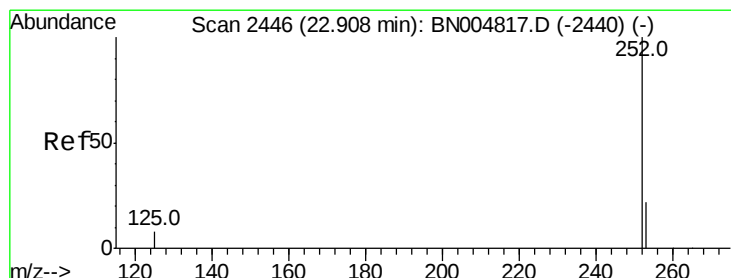
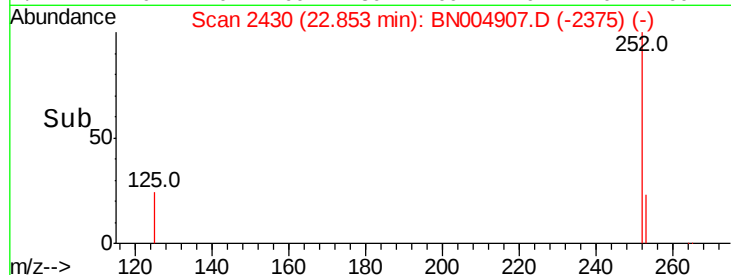
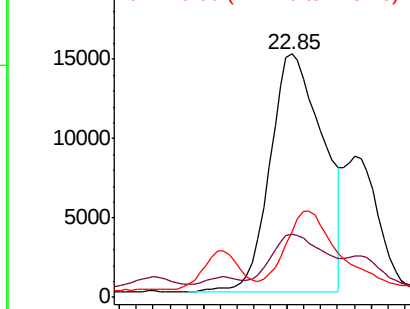


Abundance

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: 0.129 ng m

RT: 22.89 min Scan# 2441

Delta R.T. -0.02 min

Lab File: BN004907.D

Acq: 23 Mar 2019 04:26

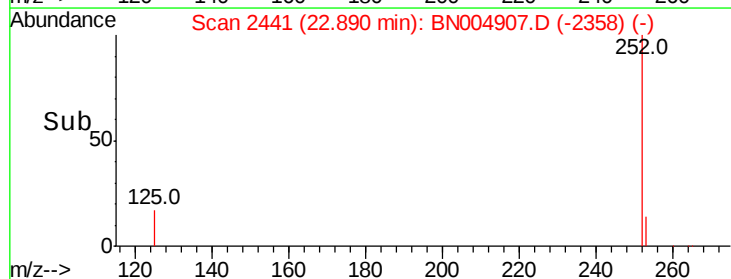
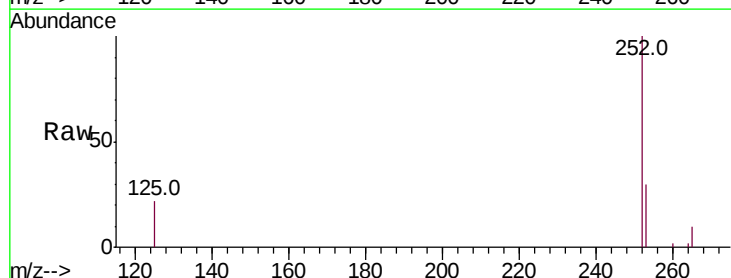
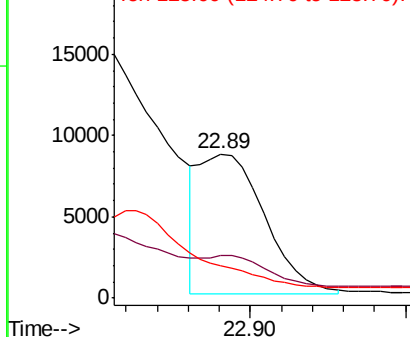
Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.6	19.3	28.9
125	22.1	7.4	11.0

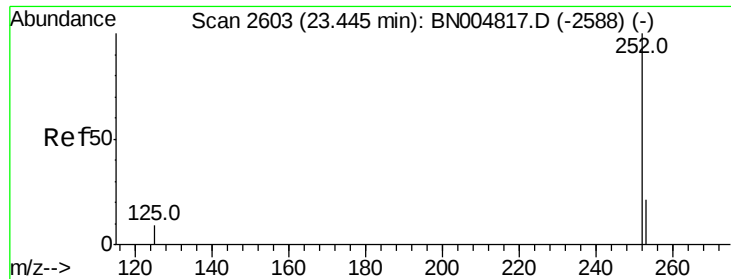
Abundance

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: 0.250 ng

RT: 23.43 min Scan# 2598

Delta R.T. -0.02 min

Lab File: BN004907.D

Acq: 23 Mar 2019 04:26

Instrument :

BNA_N

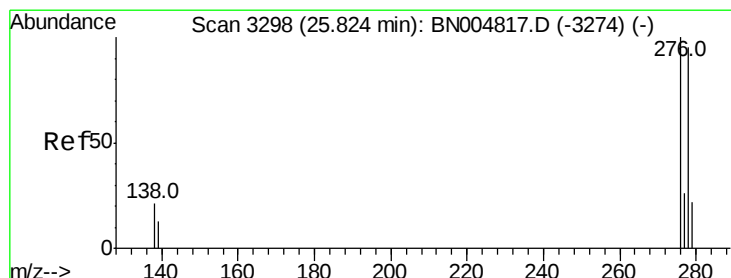
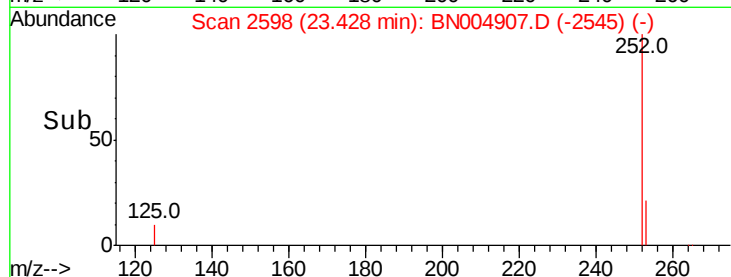
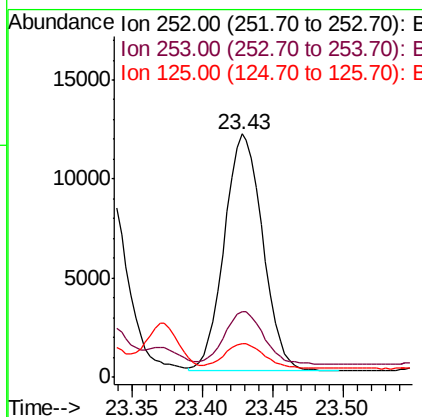
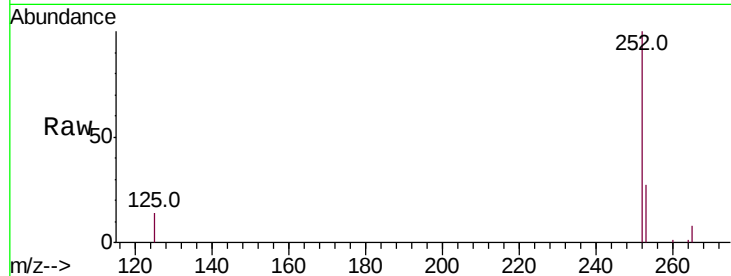
ClientSampleId :

PST-026-SW032-031819

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.0	19.7	29.5
125	13.9	8.3	12.5

Manual Integrations
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3/25/2019 8:56:50 AM



#38

Dibenzo(a,h)anthracene

Concen: 0.036 ng

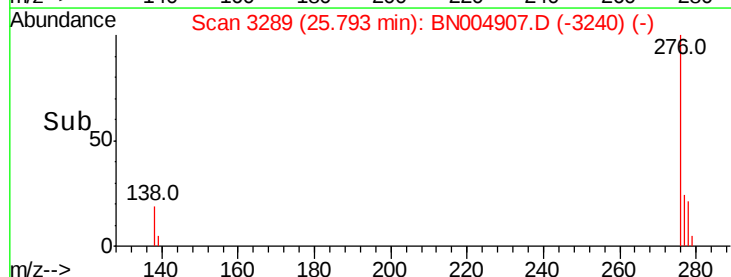
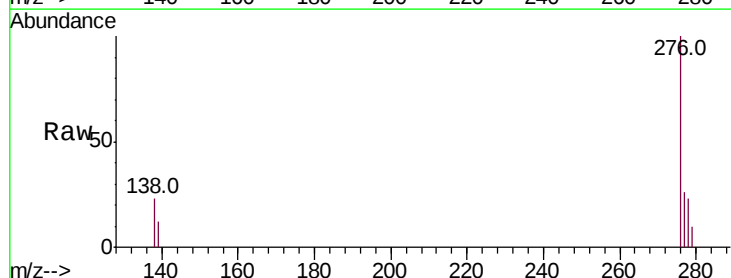
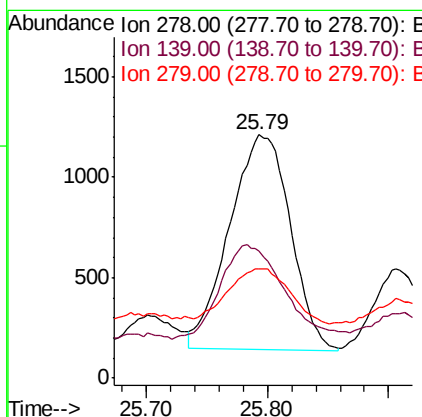
RT: 25.79 min Scan# 3289

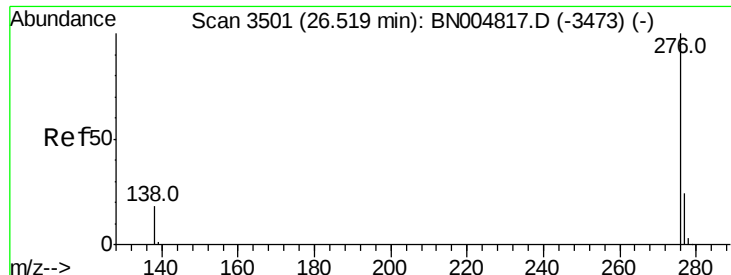
Delta R.T. -0.03 min

Lab File: BN004907.D

Acq: 23 Mar 2019 04:26

Tgt Ion	Ratio	Lower	Upper
278	100		
139	52.1	11.7	17.5
279	45.1	19.9	29.9





#39

Benzo(a,h,i)perylene

Concen: 0.125 ng

RT: 26.49 min Scan# 3493

Delta R.T. -0.03 min

Lab File: BN004907.D

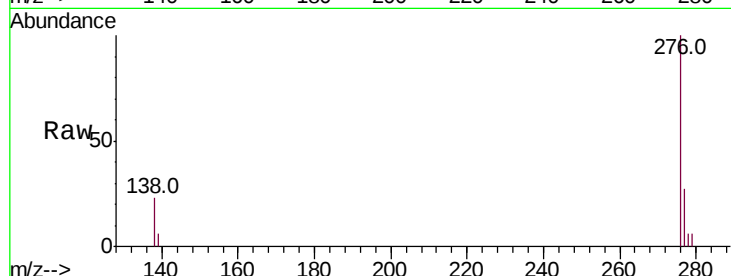
Acq: 23 Mar 2019 04:26

Instrument :

BNA_N

ClientSampleId :

PST-026-SW032-031819



Tot Ion:	276	Resp:	13422
Ion Ratio	Lower	Upper	
276	100		
277	26.6	19.7	29.5
138	22.7	14.6	22.0

Manual Integrations
APPROVED

Sohil
3/25/2019 8:56:50 AM

