

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032219\
 Data File : BN004910.D
 Acq On : 23 Mar 2019 06:12
 Operator : JU/SJ
 Sample : K2013-18
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-SW072-031819

Manual Integrations
 APPROVED

Sohil
 3/25/2019 8:56:58 AM

Quant Time: Mar 25 06:43:41 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	4079	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	17730	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	9825	0.40	ng	-0.01
19) Phenanthrene-d10	17.08	188	23089	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	24632	0.40	ng	-0.01
34) Perylene-d12	23.53	264	20765	0.40	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.28	112	4890	0.44	ng	0.00
5) Phenol-d6	6.86	99	6446	0.47	ng	-0.02
8) Nitrobenzene-d5	8.86	82	4806	0.41	ng	-0.01
11) 2-Methylnaphthalene-d10	12.07	152	10677	0.35	ng	-0.01
14) 2,4,6-Tribromophenol	15.84	330	2392	0.35	ng	-0.01
15) 2-Fluorobiphenyl	12.95	172	15658	0.39	ng	-0.01
25) Fluoranthene-d10	19.12	212	26143	0.34	ng	-0.01
29) Terphenyl-d14	19.72	244	19923	0.40	ng	0.00
Target Compounds						
16) Acenaphthylene	14.05	152	2842	0.056	ng	Qvalue 98
23) Phenanthrene	17.12	178	29775	0.399	ng	99
24) Anthracene	17.22	178	2177	0.033	ng	# 90
26) Fluoranthene	19.15	202	62321	0.650	ng	99
28) Pyrene	19.51	202	49198	0.655	ng	98
30) Benzo(a)anthracene	21.26	228	12884	0.159	ng	92
31) Chrysene	21.31	228	21682	0.255	ng	94
32) Bis(2-ethylhexyl)phthalate	21.17	149	6235	0.193	ng	99
33) Indeno(1,2,3-cd)pyrene	25.79	276	7541	0.061	ng	100
35) Benzo(b)fluoranthene	22.85	252	20653	0.275	ng	# 65
36) Benzo(k)fluoranthene	22.89	252	6939m	0.094	ng	
37) Benzo(a)pyrene	23.43	252	10311	0.150	ng	# 79
39) Benzo(a,h,i)perylene	26.50	276	7978	0.098	ng	# 85

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

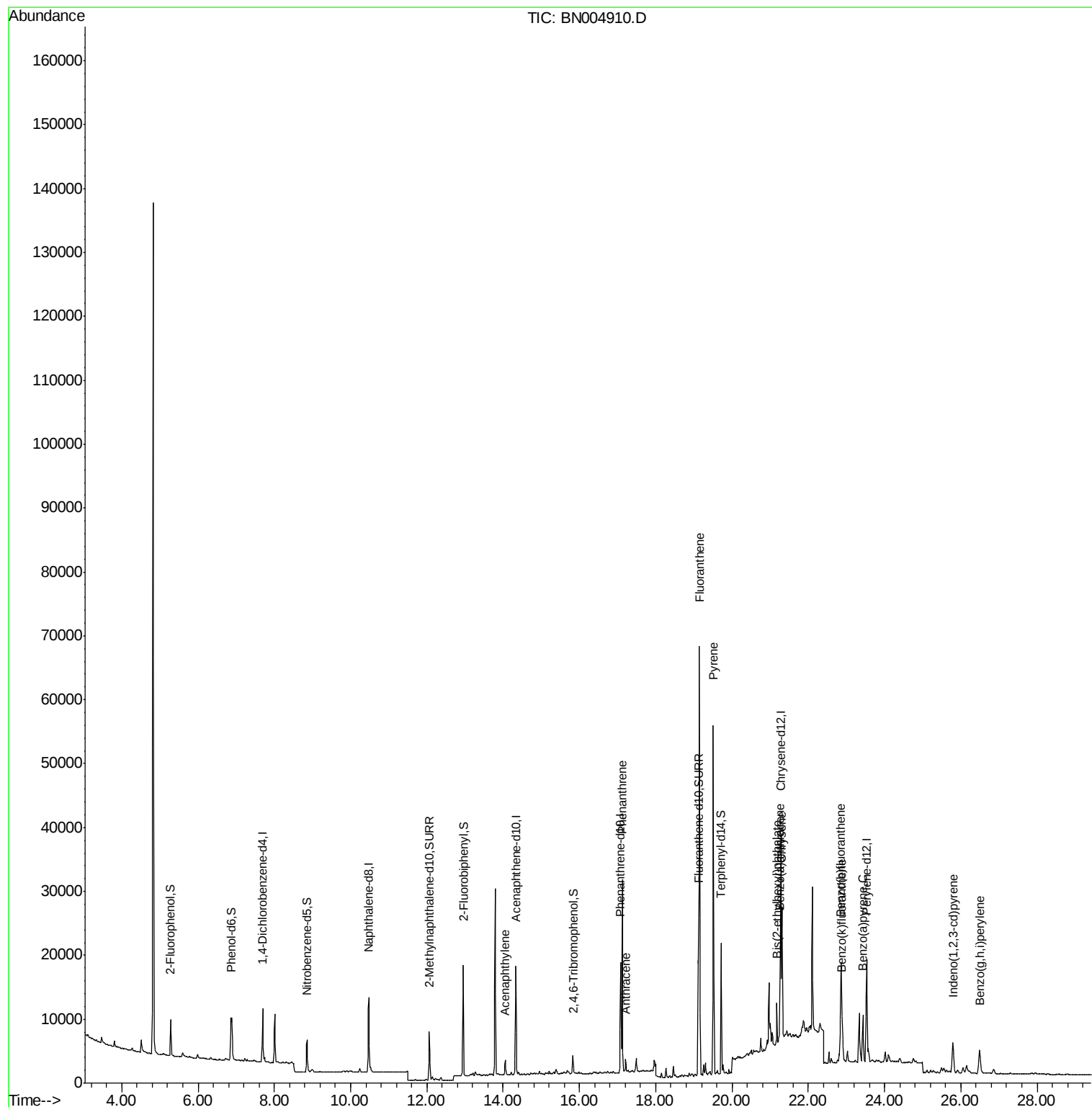
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032219\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032019.M
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#1

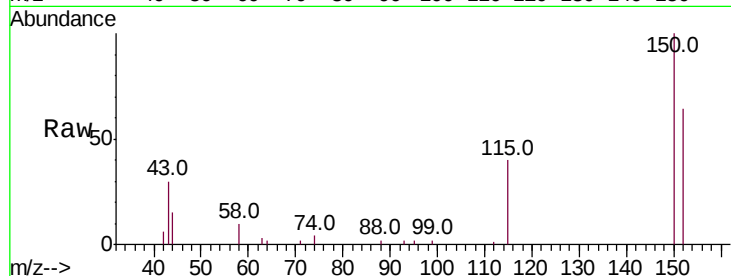
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 579
Delta R.T. -0.01 min
Lab File: BN004910.D
Acq: 23 Mar 2019 06:12

Instrument :
BNA_N
ClientSampleId :
PST-026-SW072-031819

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	126.2	189.4
115	61.8	52.6	79.0

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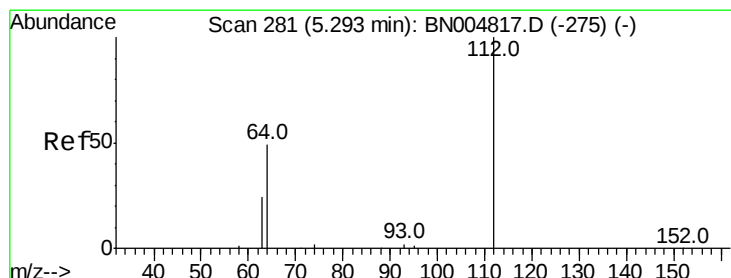
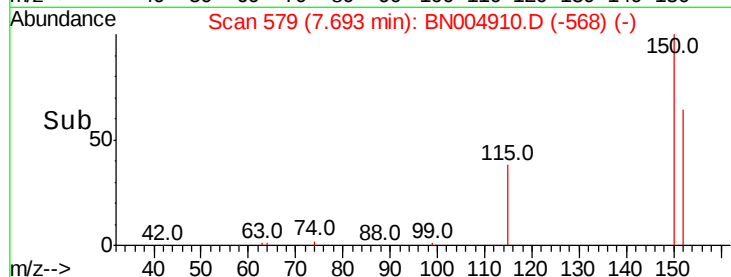
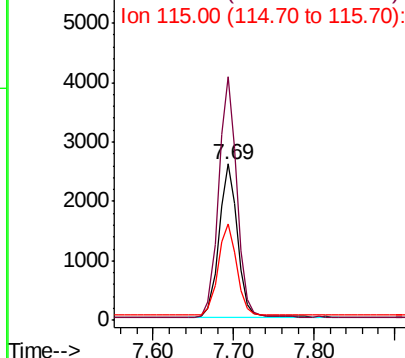


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

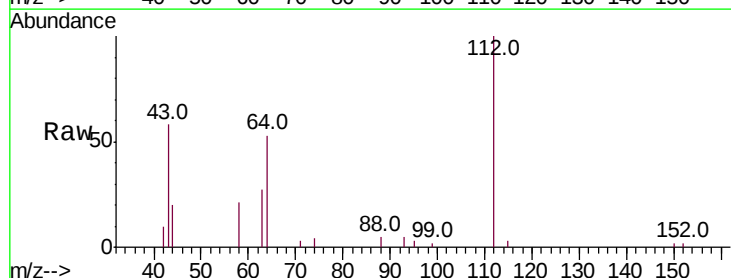
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.441 ng
RT: 5.28 min Scan# 280
Delta R.T. -0.01 min
Lab File: BN004910.D
Acq: 23 Mar 2019 06:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.1	40.0	60.0
63	25.8	20.2	30.2

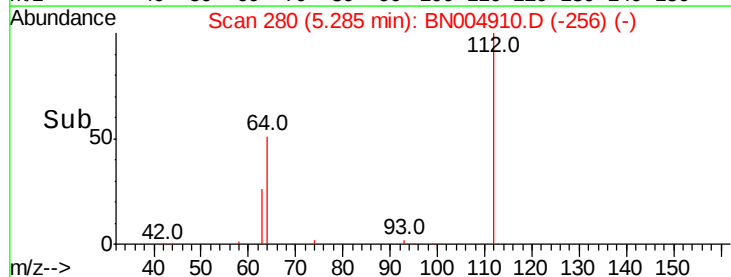
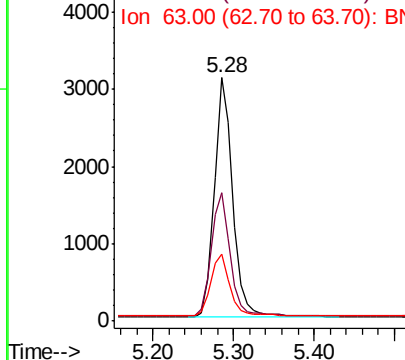


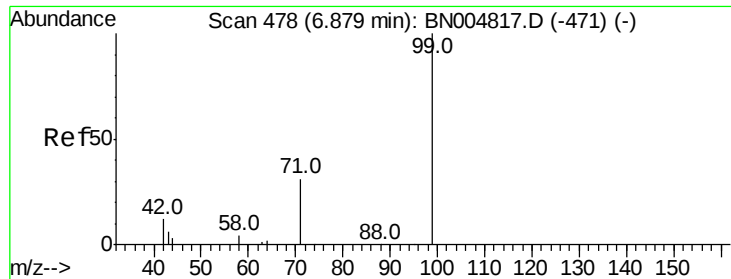
Abundance

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: 0.467 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004910.D

Acq: 23 Mar 2019 06:12

Instrument :

BNA_N

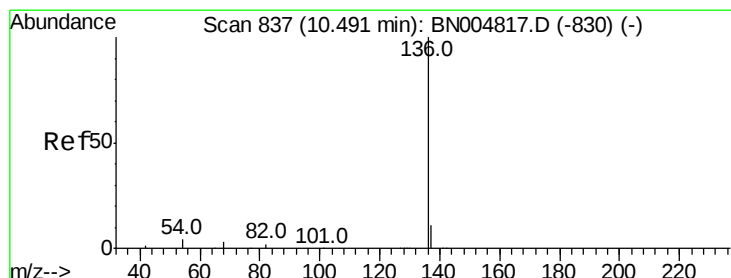
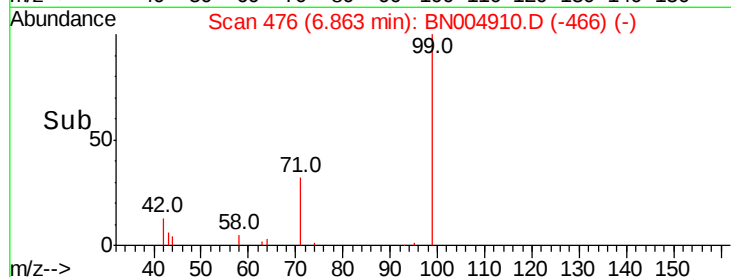
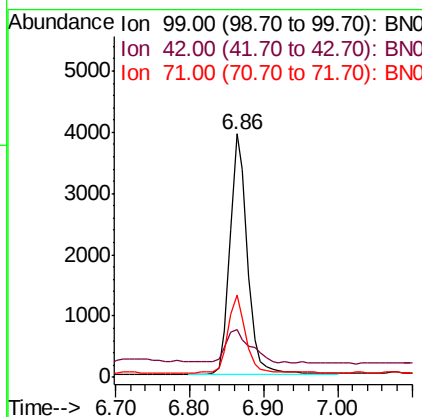
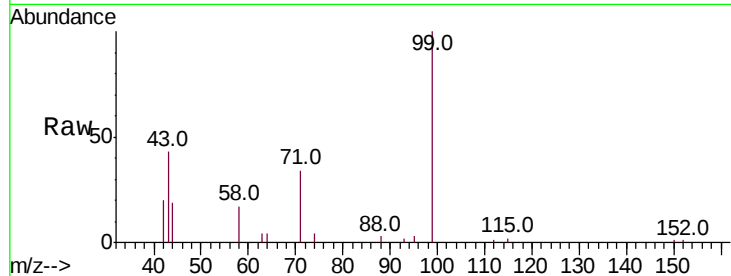
ClientSampleId :

PST-026-SW072-031819

Tot Ion:	99	Resp:	6446
Ion	Ratio	Lower	Upper
99	100		
42	22.2	12.7	19.1#
71	31.8	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

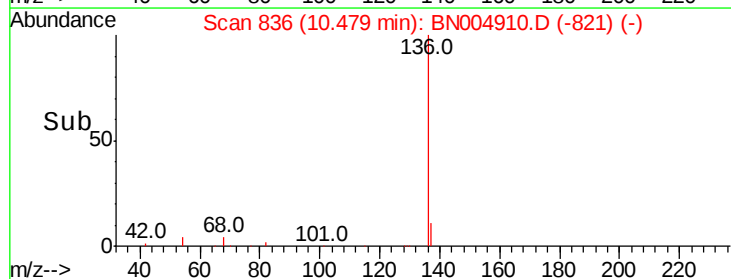
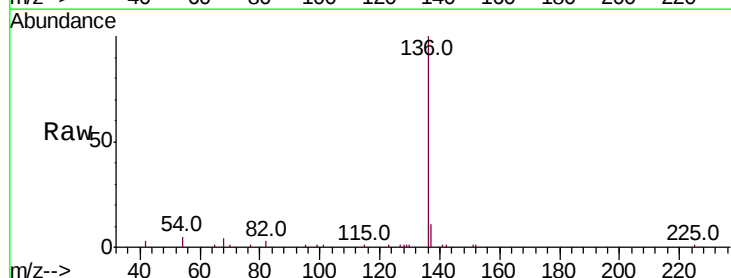
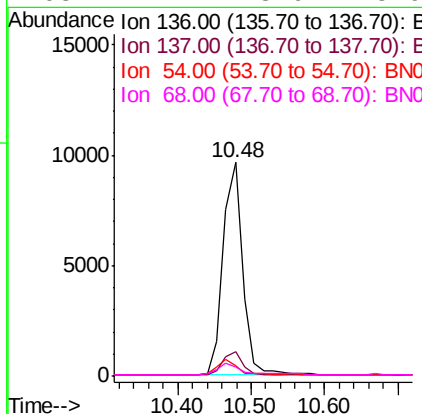
RT: 10.48 min Scan# 836

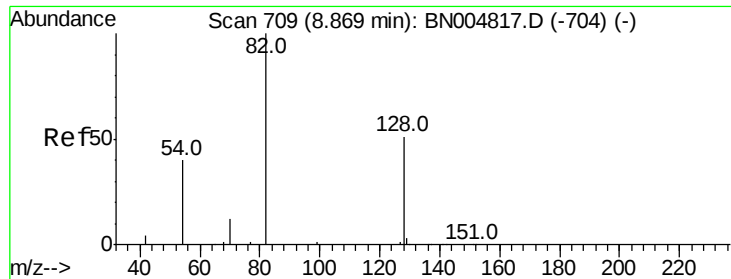
Delta R.T. -0.01 min

Lab File: BN004910.D

Acq: 23 Mar 2019 06:12

Tgt Ion:	136	Resp:	17730
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.6	14.4
54	4.8	4.2	6.2
68	4.4	3.9	5.9





#8

Nitrobenzene-d5

Concen: 0.410 ng

RT: 8.86 min Scan# 708

Delta R.T. -0.01 min

Lab File: BN004910.D

Acq: 23 Mar 2019 06:12

Instrument :

BNA_N

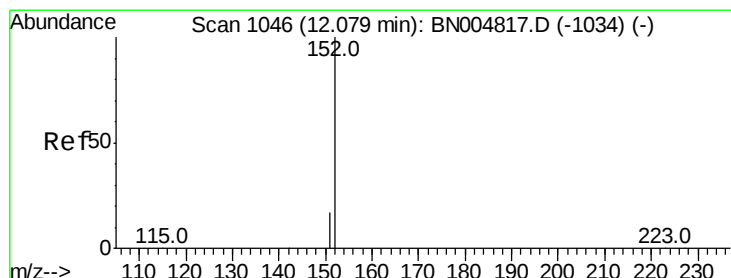
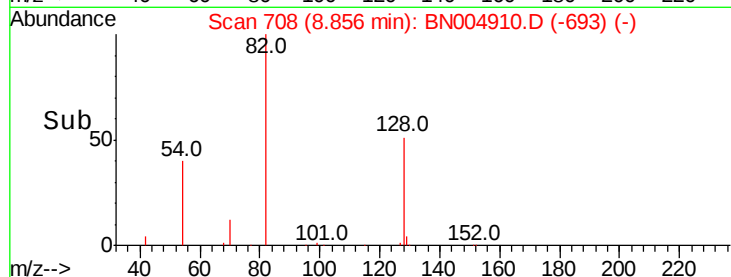
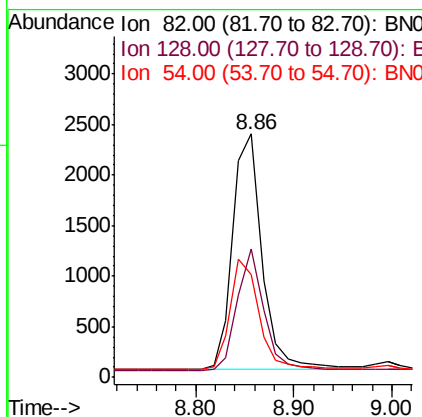
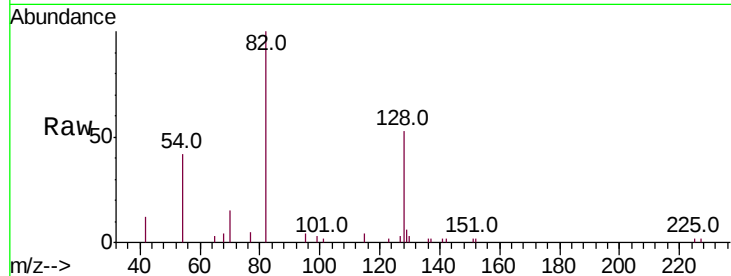
ClientSampleId :

PST-026-SW072-031819

Tot Ion:	82	Resp:	4806
Ion Ratio	Lower	Upper	
82	100		
128	52.6	43.0	64.6
54	42.3	35.3	52.9

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#11

2-Methylnaphthalene-d10

Concen: 0.345 ng

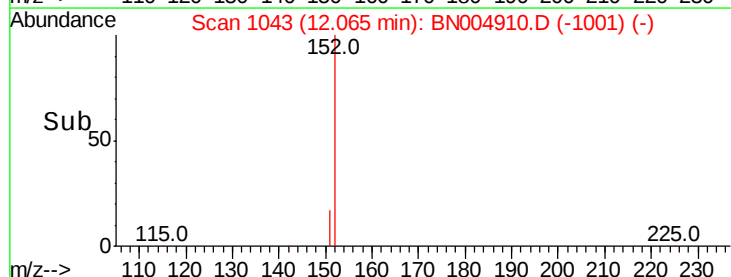
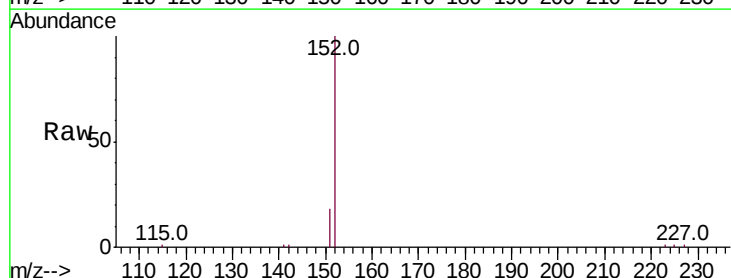
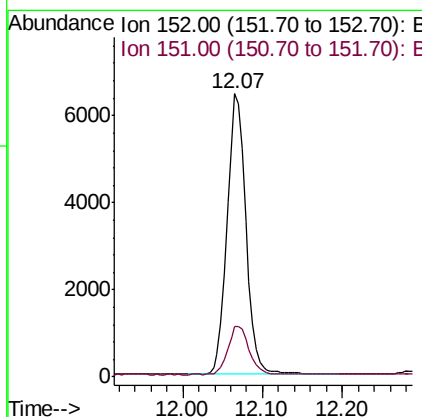
RT: 12.07 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BN004910.D

Acq: 23 Mar 2019 06:12

Tgt Ion:	152	Resp:	10677
Ion Ratio	Lower	Upper	
152	100		
151	19.5	15.5	23.3





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN004910.D

Acq: 23 Mar 2019 06:12

Instrument :

BNA_N

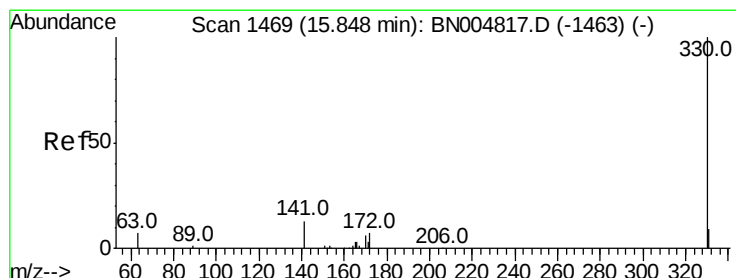
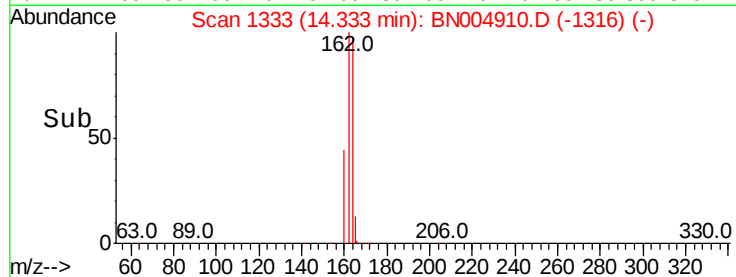
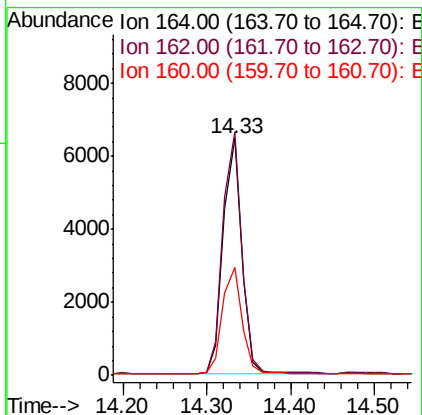
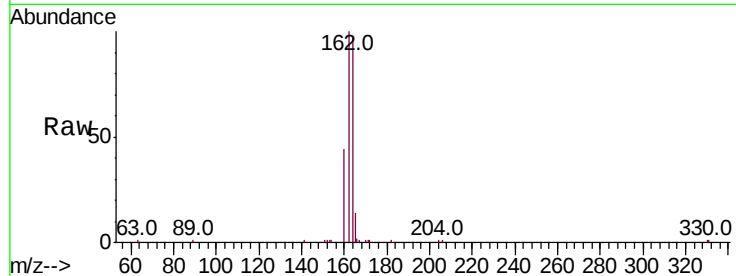
ClientSampleId :

PST-026-SW072-031819

Tot Ion:	164	Resp:	9825
Ion Ratio	Lower	Upper	
164	100		
162	102.7	81.9	122.9
160	45.7	36.6	54.8

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#14

2,4,6-Tribromophenol

Concen: 0.353 ng

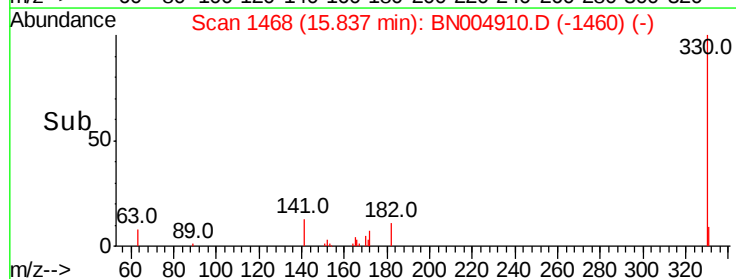
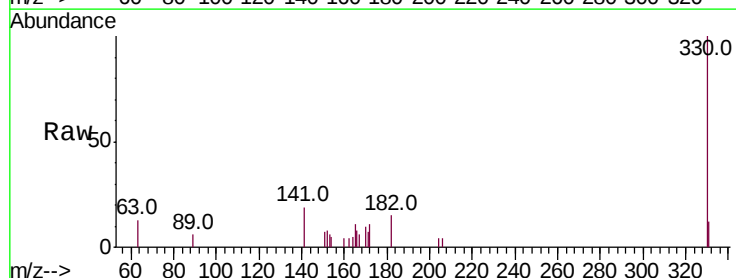
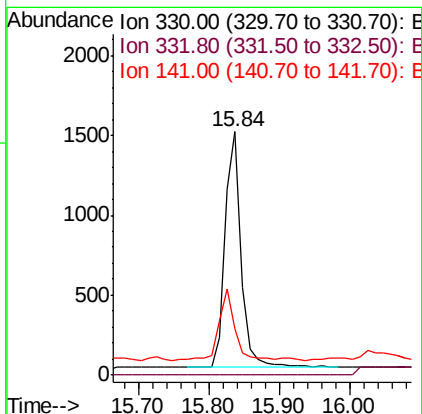
RT: 15.84 min Scan# 1468

Delta R.T. -0.01 min

Lab File: BN004910.D

Acq: 23 Mar 2019 06:12

Tgt Ion:	330	Resp:	2392
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	30.3	20.9	31.3





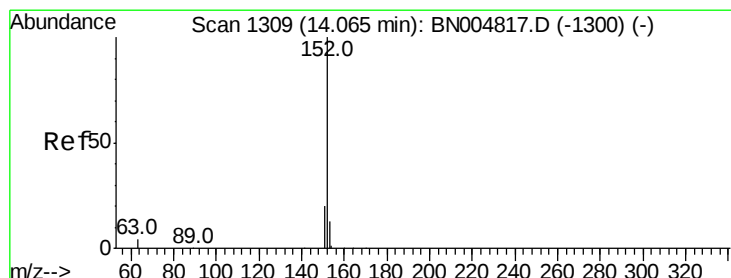
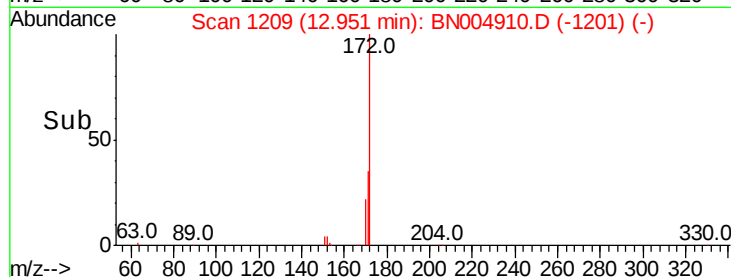
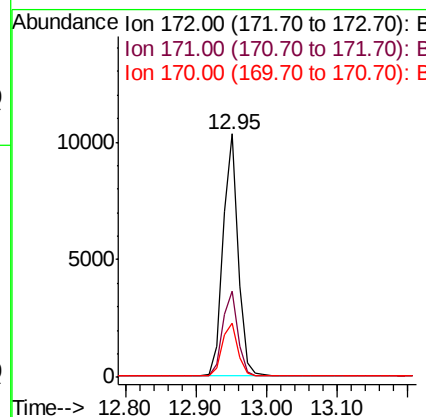
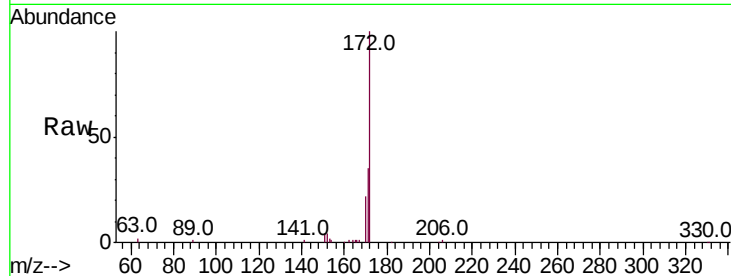
#15
2-Fluorobiphenyl
Concen: 0.386 ng
RT: 12.95 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BN004910.D
Acq: 23 Mar 2019 06:12

Instrument :
BNA_N
ClientSampleId :
PST-026-SW072-031819

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.7	43.1
170	22.4	18.7	28.1

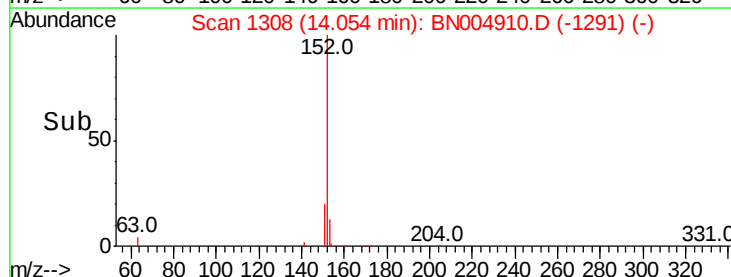
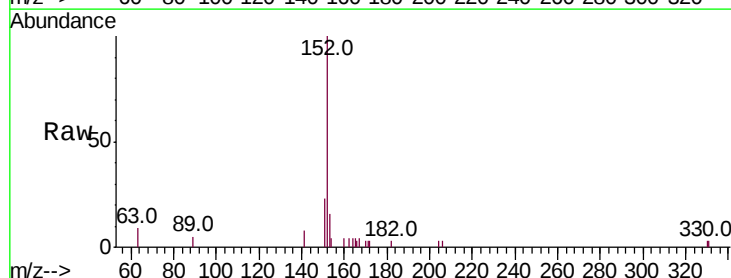
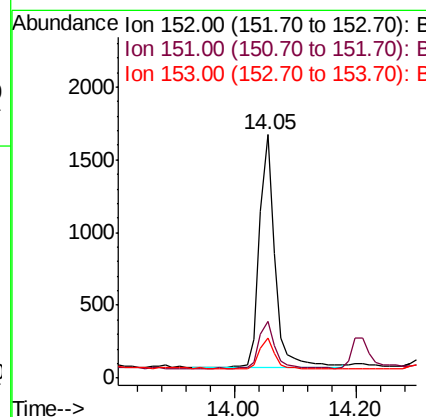
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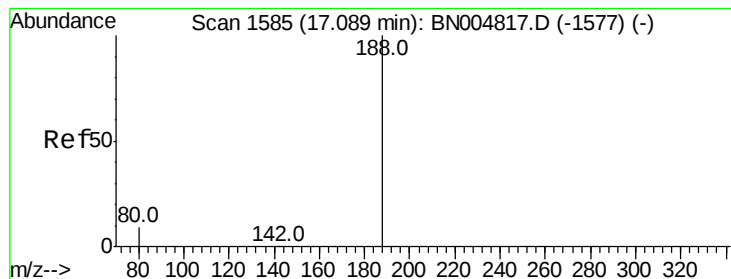
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#16
Acenaphthylene
Concen: 0.056 ng
RT: 14.05 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BN004910.D
Acq: 23 Mar 2019 06:12

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.3	16.1	24.1
153	12.9	10.5	15.7





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.08 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BN004910.D

Acq: 23 Mar 2019 06:12

Instrument :

BNA_N

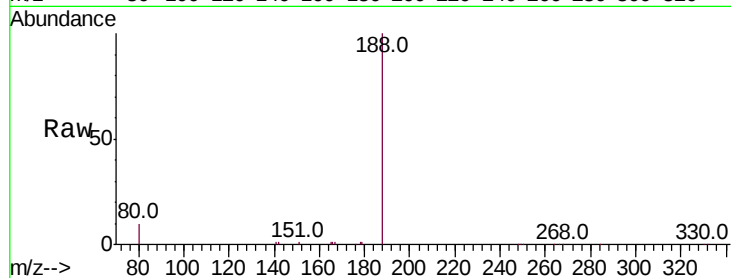
ClientSampleId :

PST-026-SW072-031819

Tot Ion:	188	Resp:	23089
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	10.2	7.4	11.2

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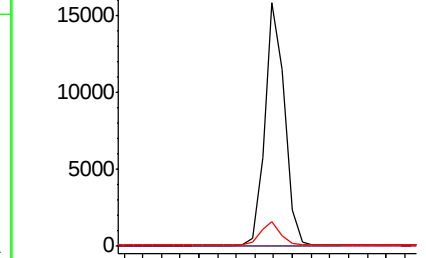
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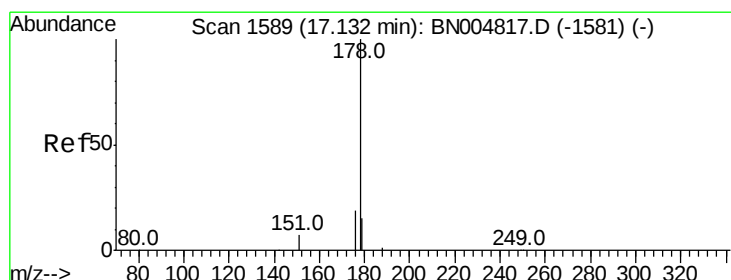
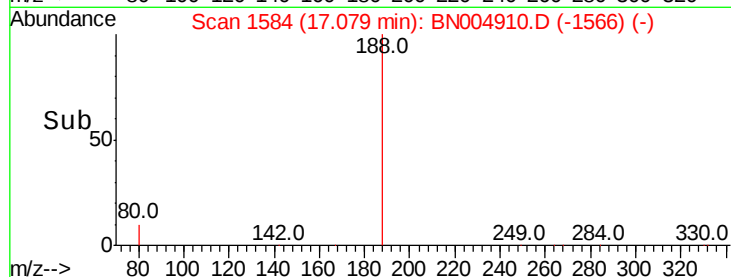
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



Time-->



#23

Phenanthrene

Concen: 0.399 ng

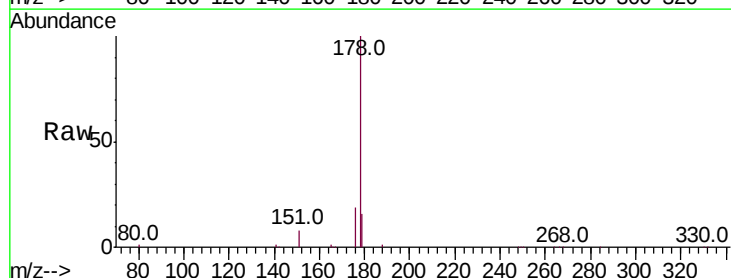
RT: 17.12 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BN004910.D

Acq: 23 Mar 2019 06:12

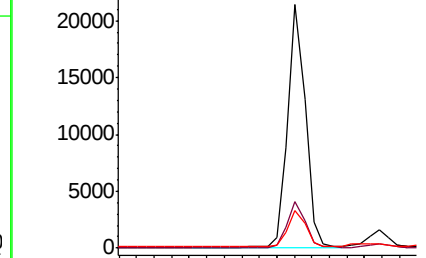
Tgt Ion:	178	Resp:	29775
Ion Ratio	Lower	Upper	
178	100		
176	18.7	14.9	22.3
179	15.6	12.1	18.1



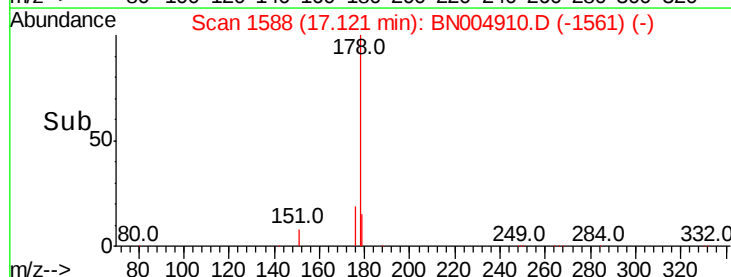
Abundance Ion 178.00 (177.70 to 178.70): E

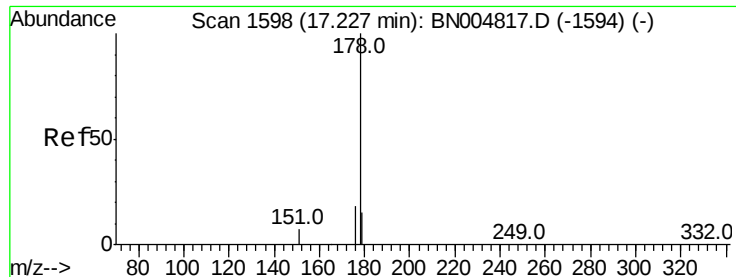
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





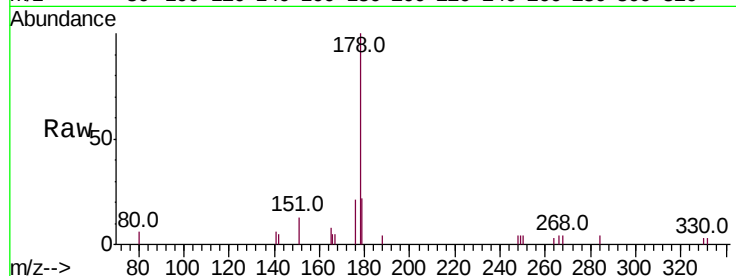
#24
 Anthracene
 Concen: 0.033 ng
 RT: 17.22 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BN004910.D
 Acq: 23 Mar 2019 06:12

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-SW072-031819

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.5	21.7
179	24.5	12.2	18.4

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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

15000

10000

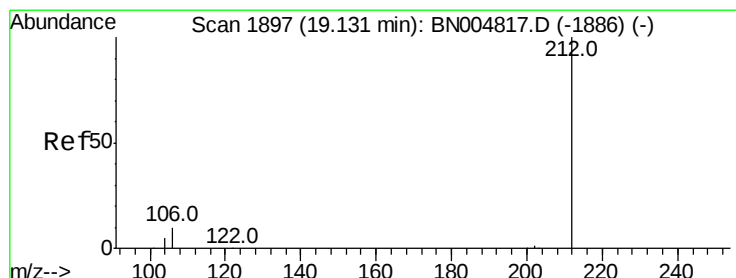
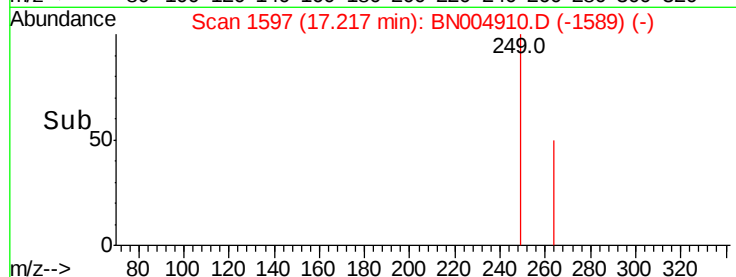
5000

0

17.15 17.20 17.25

17.22

Time-->



#25
 Fluoranthene-d10
 Concen: 0.338 ng
 RT: 19.12 min Scan# 1894
 Delta R.T. -0.01 min
 Lab File: BN004910.D
 Acq: 23 Mar 2019 06:12

Tgt Ion	Ratio	Lower	Upper
212	100		
106	11.9	8.6	13.0
104	6.8	4.7	7.1

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

25000

20000

15000

10000

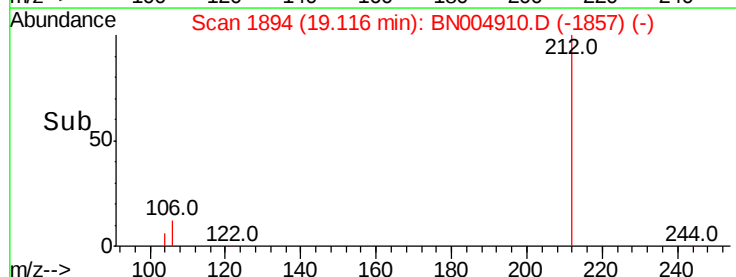
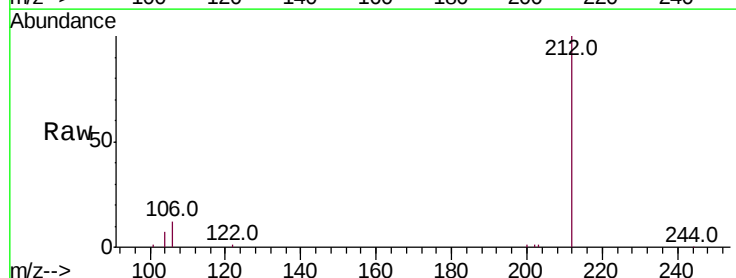
5000

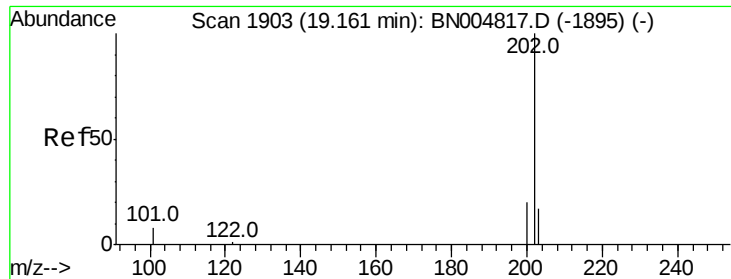
0

19.10 19.20

19.12

Time-->





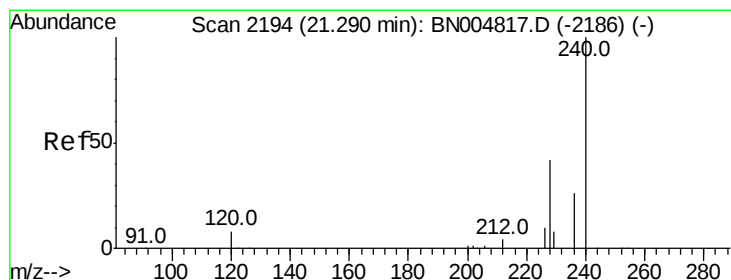
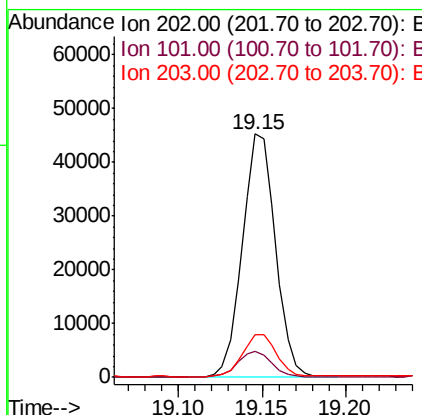
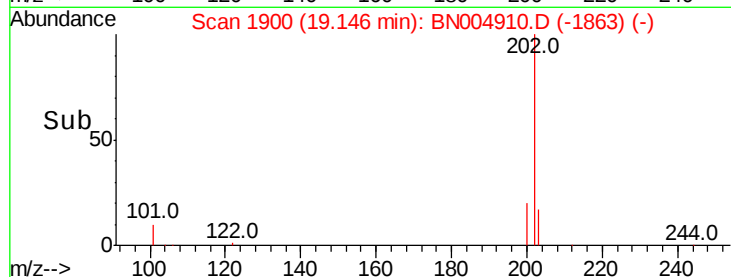
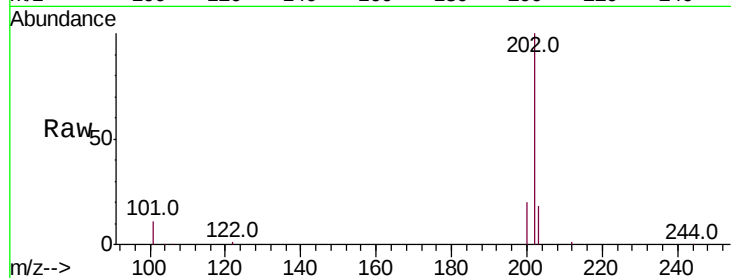
#26
Fluoranthene
 Concen: 0.650 ng
 RT: 19.15 min Scan# 1900
 Delta R.T. -0.01 min
 Lab File: BN004910.D
 Acq: 23 Mar 2019 06:12

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-SW072-031819

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.4	7.5	11.3
203	17.5	13.8	20.6

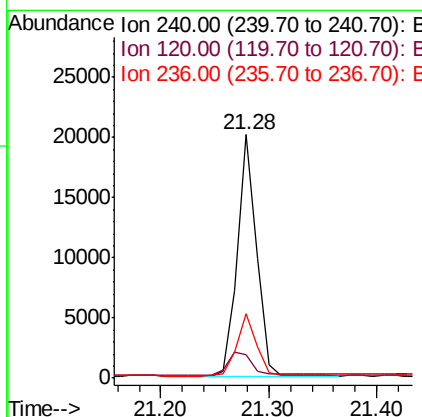
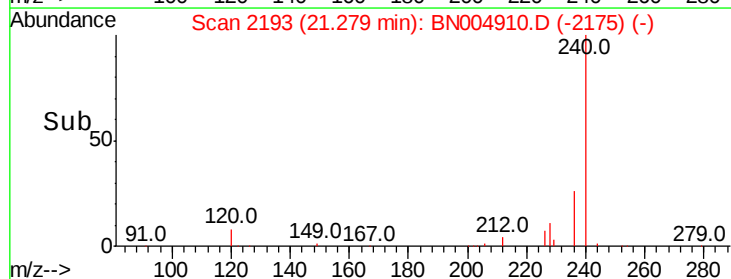
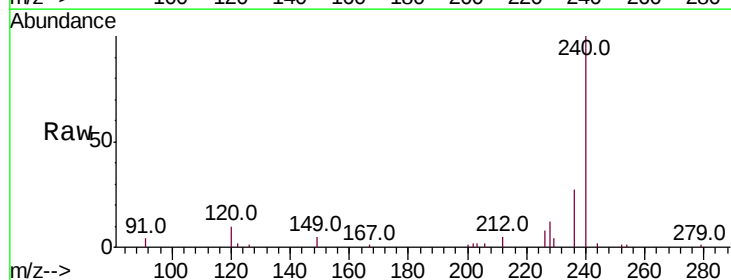
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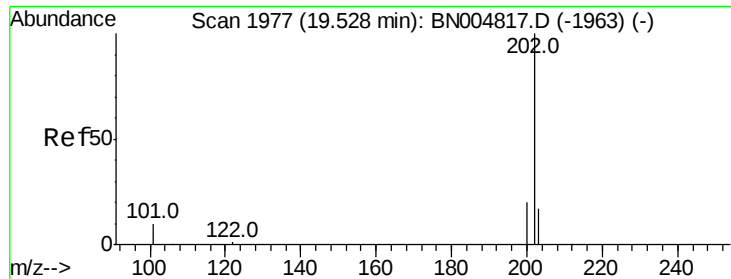
Sohil
 3/25/2019 8:56:58 AM



#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.28 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BN004910.D
 Acq: 23 Mar 2019 06:12

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.6	7.2	10.8
236	26.6	20.9	31.3





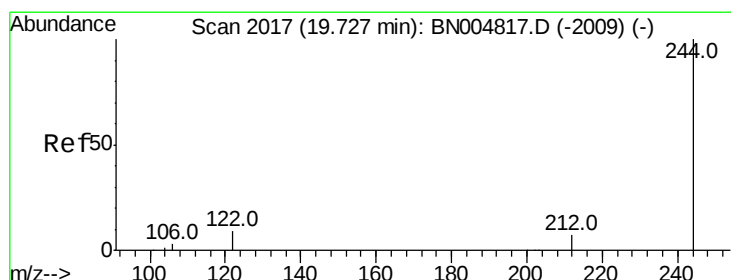
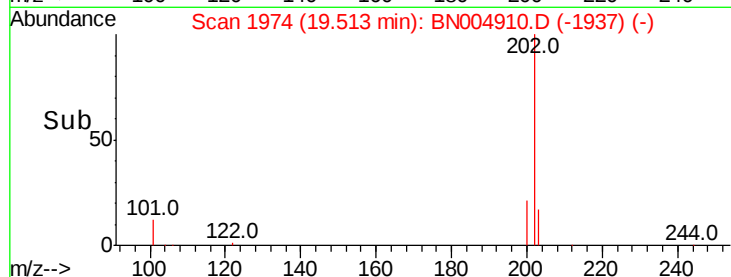
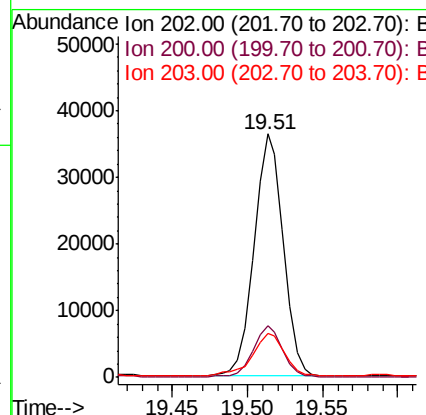
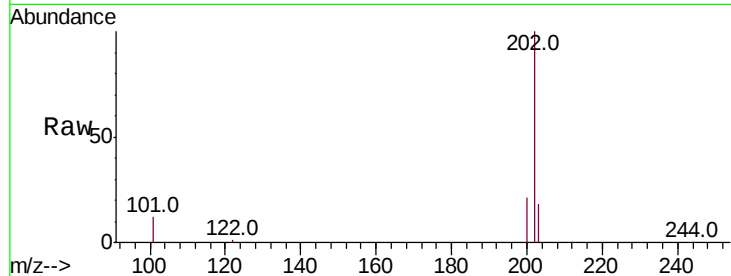
#28
Pvrene
Concen: 0.655 ng
RT: 19.51 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BN004910.D
Acq: 23 Mar 2019 06:12

Instrument :
BNA_N
ClientSampleId :
PST-026-SW072-031819

Tot Ion	Ratio	Resp	Lower	Upper
202	100	49198		
200	20.7		16.3	24.5
203	19.4		14.0	21.0

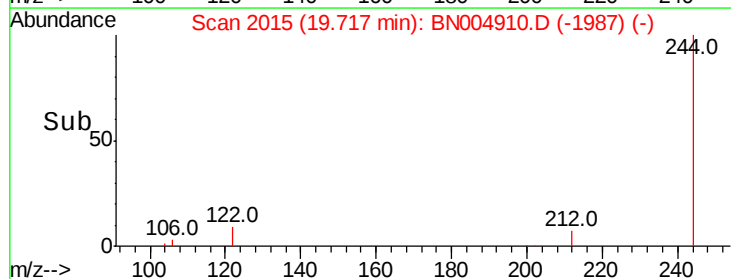
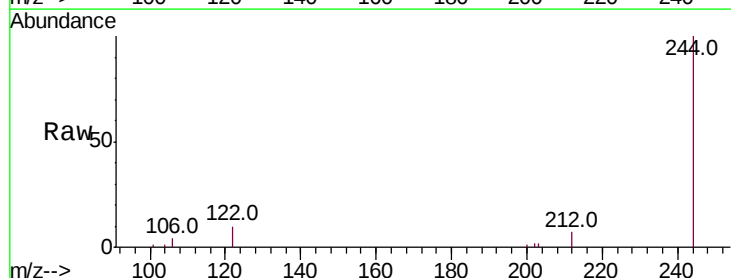
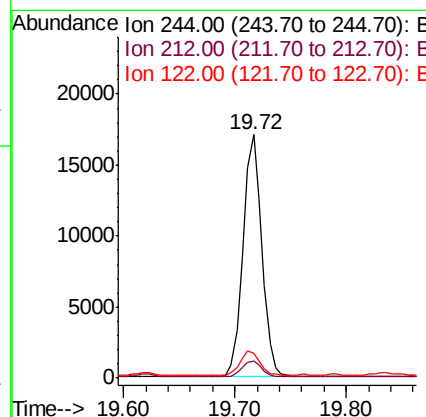
Manual Integrations
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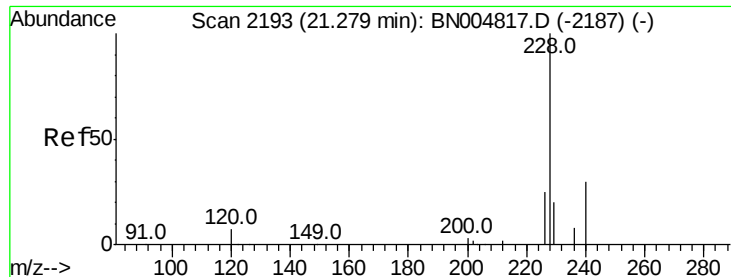
Sohil
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#29
Terphenyl-d14
Concen: 0.395 ng
RT: 19.72 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BN004910.D
Acq: 23 Mar 2019 06:12

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	19923		
212	7.2		5.8	8.6
122	10.3		7.9	11.9





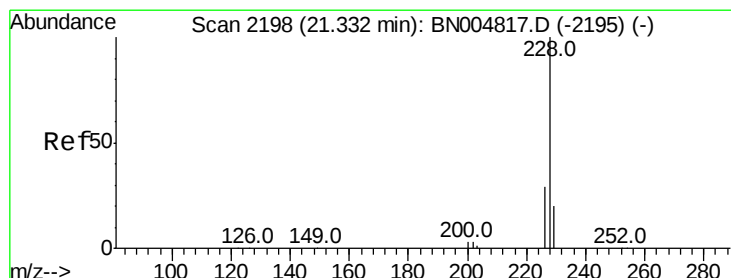
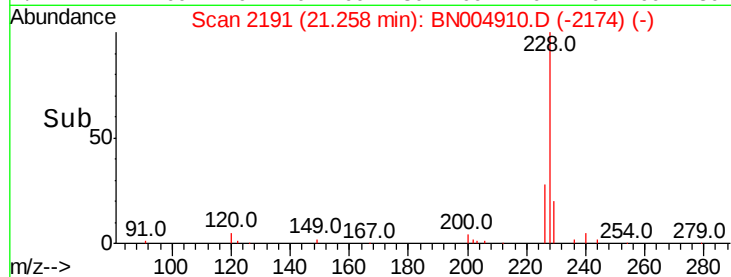
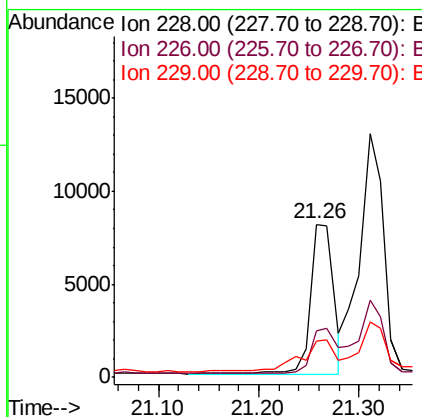
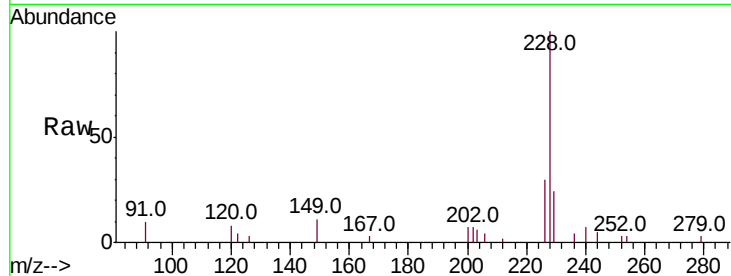
#30
Benzo(a)anthracene
Concen: 0.159 ng
RT: 21.26 min Scan# 2191
Delta R.T. -0.02 min
Lab File: BN004910.D
Acq: 23 Mar 2019 06:12

Instrument :
BNA_N
ClientSampleId :
PST-026-SW072-031819

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	20.6	31.0
229	23.8	16.2	24.4

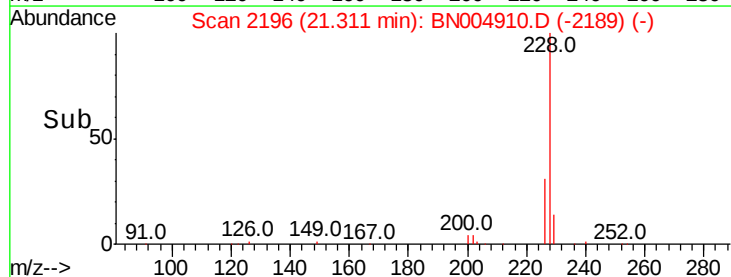
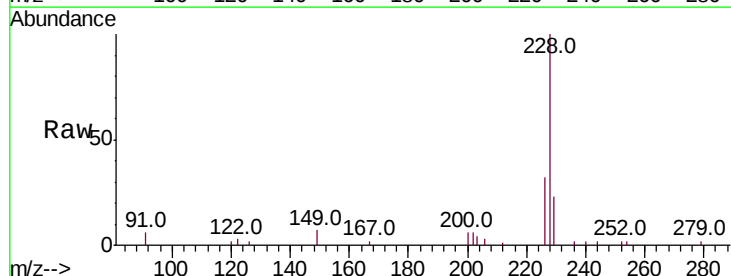
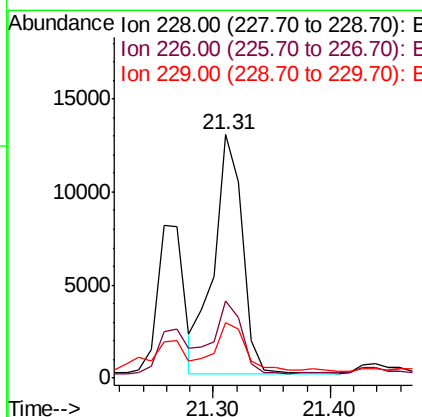
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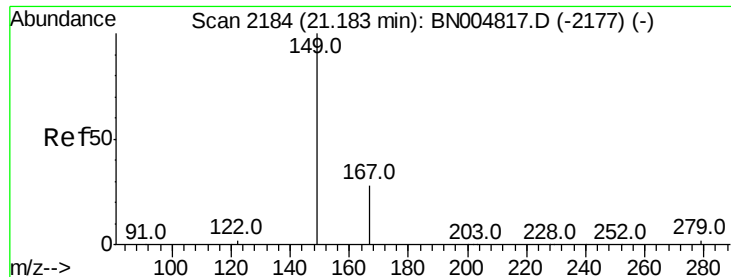
Sohil
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#31
Chrysene
Concen: 0.255 ng
RT: 21.31 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BN004910.D
Acq: 23 Mar 2019 06:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.9	23.0	34.6
229	22.6	16.2	24.2





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.193 ng

RT: 21.17 min Scan# 2183

Delta R.T. -0.01 min

Lab File: BN004910.D

Acq: 23 Mar 2019 06:12

Instrument :

BNA_N

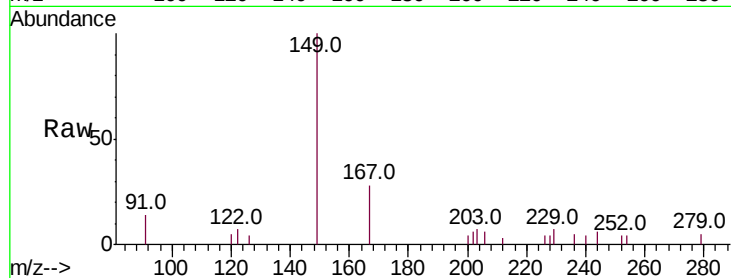
ClientSampleId :

PST-026-SW072-031819

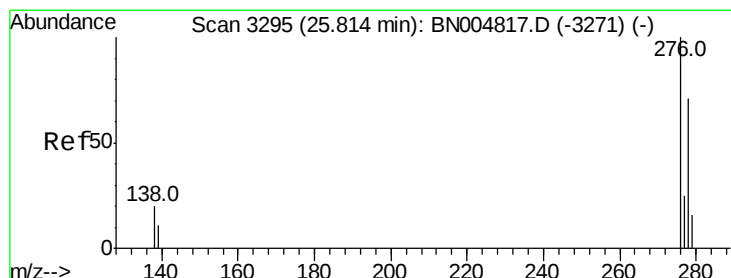
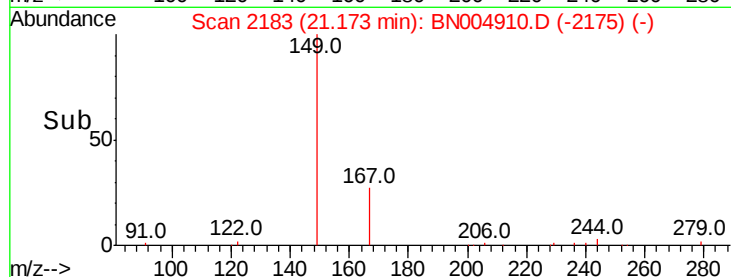
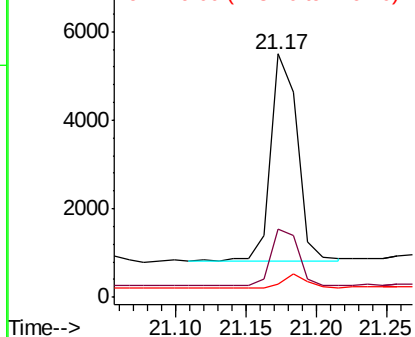
Tot Ion:	149	Resp:	6235
Ion Ratio	Lower	Upper	
149	100		
167	28.1	23.0	34.4
279	6.3	4.6	6.8

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.061 ng

RT: 25.79 min Scan# 3289

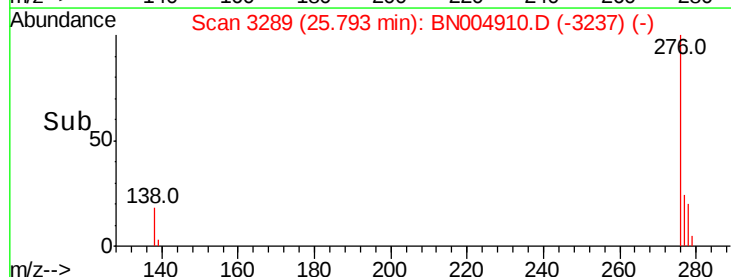
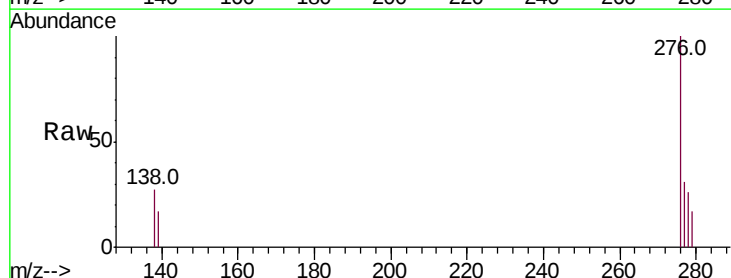
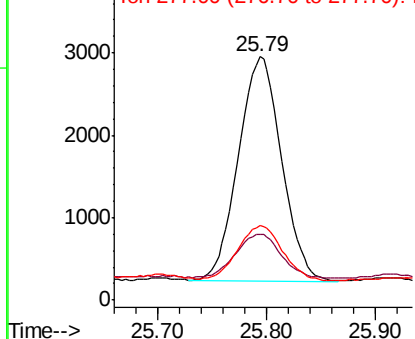
Delta R.T. -0.02 min

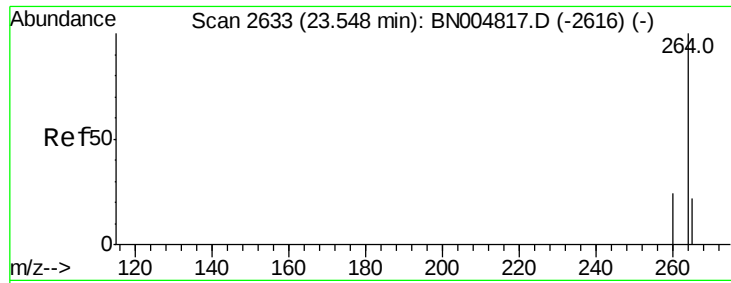
Lab File: BN004910.D

Acq: 23 Mar 2019 06:12

Tgt Ion:	276	Resp:	7541
Ion Ratio	Lower	Upper	
276	100		
138	20.5	16.6	24.8
277	25.3	20.3	30.5

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





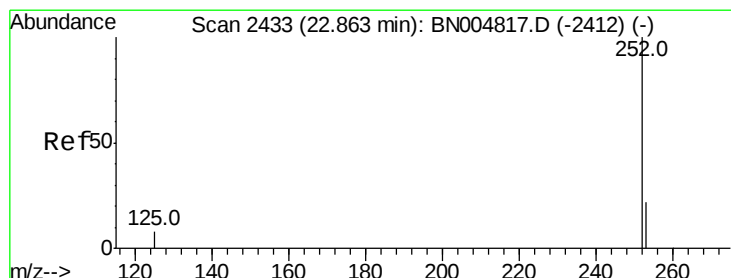
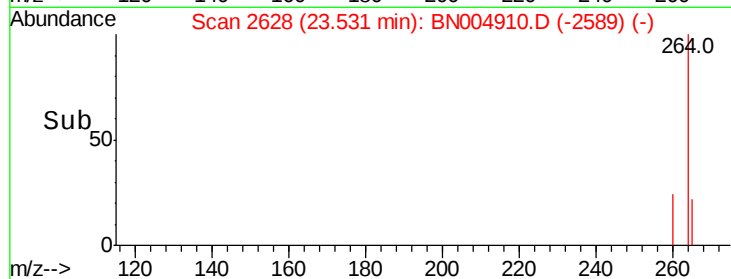
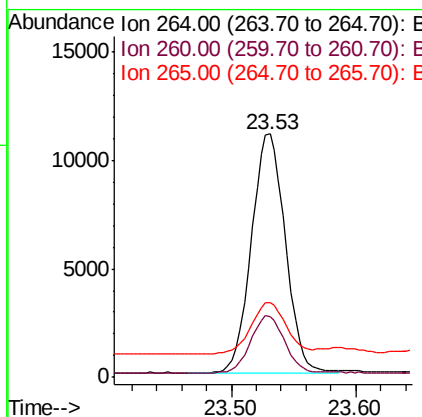
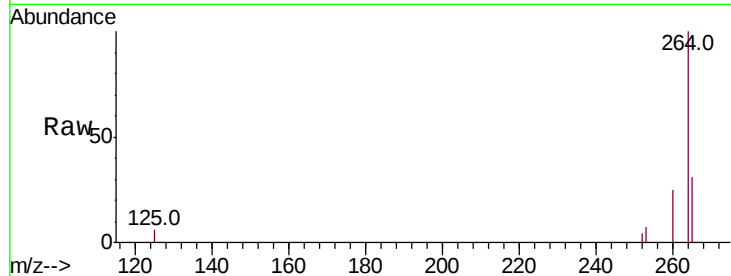
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.53 min Scan# 2628
Delta R.T. -0.02 min
Lab File: BN004910.D
Acq: 23 Mar 2019 06:12

Instrument :
BNA_N
ClientSampleId :
PST-026-SW072-031819

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.5	29.3
265	30.6	23.1	34.7

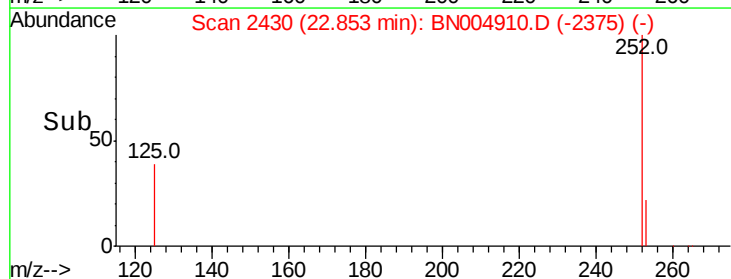
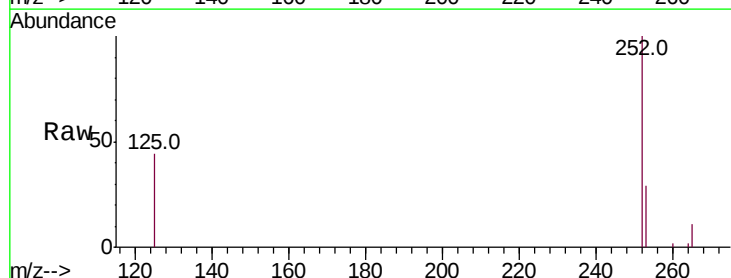
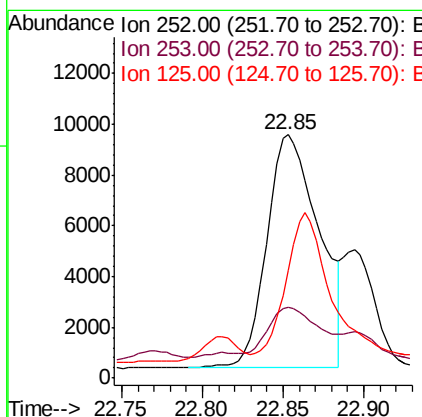
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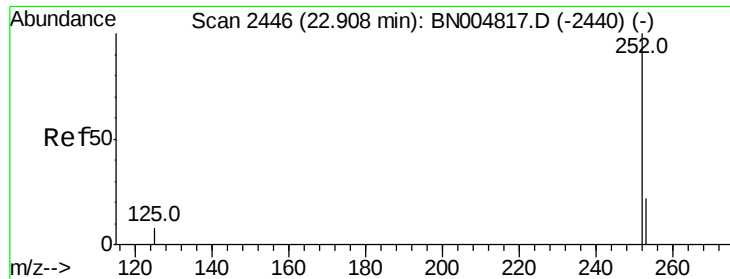
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#35
Benzo(b)fluoranthene
Concen: 0.275 ng
RT: 22.85 min Scan# 2430
Delta R.T. -0.01 min
Lab File: BN004910.D
Acq: 23 Mar 2019 06:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.8	19.0	28.4#
125	44.3	7.4	11.2#





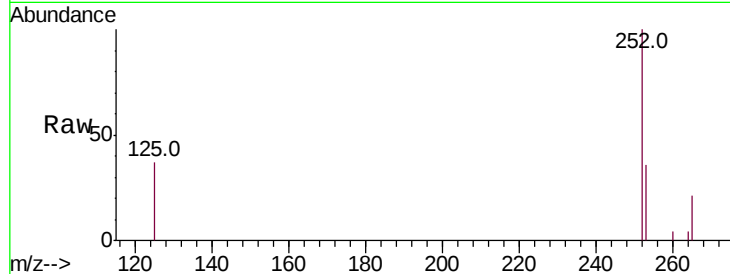
#36
Benzo(k)fluoranthene
Concen: 0.094 ng m
RT: 22.89 min Scan# 2442
Delta R.T. -0.01 min
Lab File: BN004910.D
Acq: 23 Mar 2019 06:12

Instrument :
BNA_N
ClientSampleId :
PST-026-SW072-031819

Tot Ion	Ratio	Lower	Upper
252	100		
253	35.8	19.3	28.9#
125	36.8	7.4	11.0#

Manual Integrations
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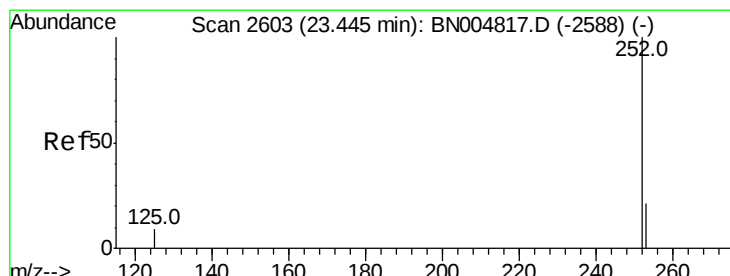
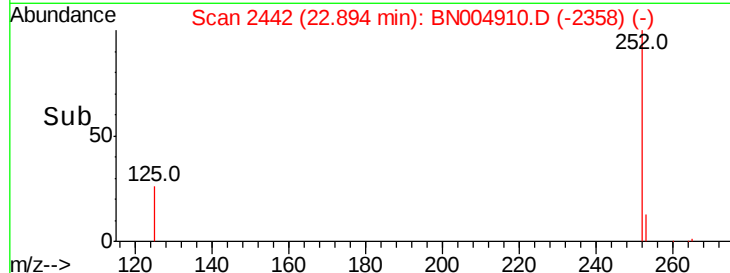
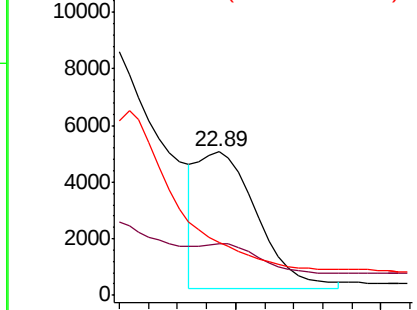


Abundance

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



#37
Benzo(a)pyrene
Concen: 0.150 ng
RT: 23.43 min Scan# 2599
Delta R.T. -0.01 min
Lab File: BN004910.D
Acq: 23 Mar 2019 06:12

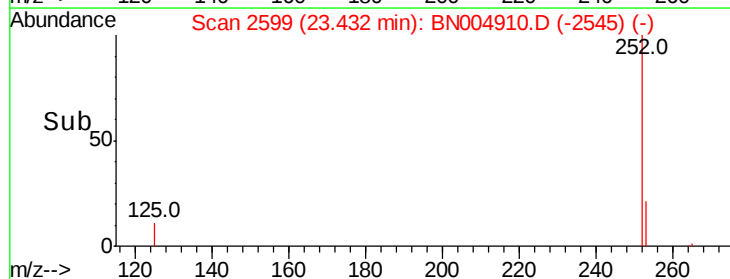
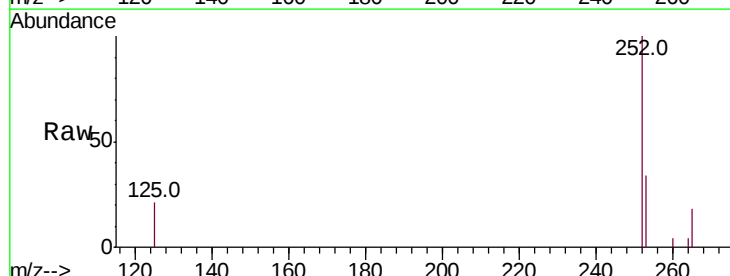
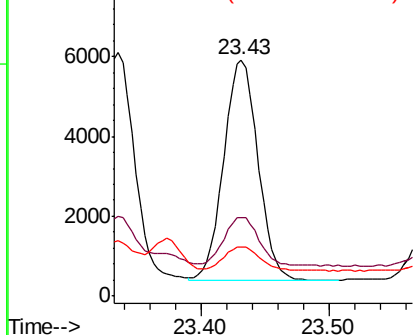
Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.5	19.7	29.5#
125	20.9	8.3	12.5#

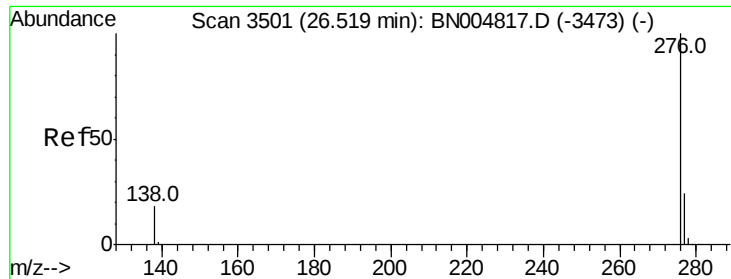
Abundance

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





#39

Benzo(a,h,i)perylene

Concen: 0.098 ng

RT: 26.50 min Scan# 3494

Delta R.T. -0.02 min

Lab File: BN004910.D

Acq: 23 Mar 2019 06:12

Instrument :

BNA_N

ClientSampleId :

PST-026-SW072-031819

Tot Ion:	276	Resp:	7978
Ion Ratio	Lower	Upper	
276	100		
277	30.6	19.7	29.5#
138	26.7	14.6	22.0#

Manual Integrations
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