

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032419\
 Data File : BN004949.D
 Acq On : 24 Mar 2019 21:08
 Operator : JU/SJ
 Sample : K2014-05
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-SW038-031919

Manual Integrations
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 3/26/2019 6:33:55 PM

Quant Time: Mar 25 04:09:59 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	7.68	152	3309	0.40	ng	-0.02
7) Naphthalene-d8	10.47	136	12934	0.40	ng	-0.03
13) Acenaphthene-d10	14.32	164	6808	0.40	ng	-0.02
19) Phenanthrene-d10	17.08	188	14911	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	17570	0.40	ng	-0.01
34) Perylene-d12	23.52	264	18652	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.28	112	3897	0.43	ng	0.00
5) Phenol-d6	6.86	99	4691	0.42	ng	-0.02
8) Nitrobenzene-d5	8.84	82	3809	0.45	ng	-0.03
11) 2-Methylnaphthalene-d10	12.06	152	7312	0.32	ng	-0.02
14) 2,4,6-Tribromophenol	15.83	330	1761	0.37	ng	-0.02
15) 2-Fluorobiphenyl	12.94	172	10383	0.37	ng	-0.02
25) Fluoranthene-d10	19.12	212	14821	0.30	ng	-0.01
29) Terphenyl-d14	19.71	244	11948	0.33	ng	-0.01

Target Compounds

						Qvalue
16) Acenaphthylene	14.05	152	2578	0.074	ng	98
18) Fluorene	15.38	166	655	0.020	ng	# 76
23) Phenanthrene	17.12	178	12482	0.259	ng	99
24) Anthracene	17.22	178	2045	0.048	ng	# 95
26) Fluoranthene	19.15	202	16521	0.267	ng	# 96
28) Pyrene	19.51	202	23193	0.433	ng	97
30) Benzo(a)anthracene	21.26	228	9661	0.168	ng	# 87
31) Chrysene	21.31	228	11510	0.190	ng	# 91
32) Bis(2-ethylhexyl)phthalate	21.17	149	6626	0.288	ng	99
33) Indeno(1,2,3-cd)pyrene	25.79	276	6018	0.069	ng	# 95
35) Benzo(b)fluoranthene	22.85	252	10285	0.152	ng	# 57
36) Benzo(k)fluoranthene	22.89	252	4508m	0.068	ng	
37) Benzo(a)pyrene	23.42	252	8001	0.129	ng	# 61
39) Benzo(g,h,i)perylene	26.48	276	7191	0.098	ng	# 72

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

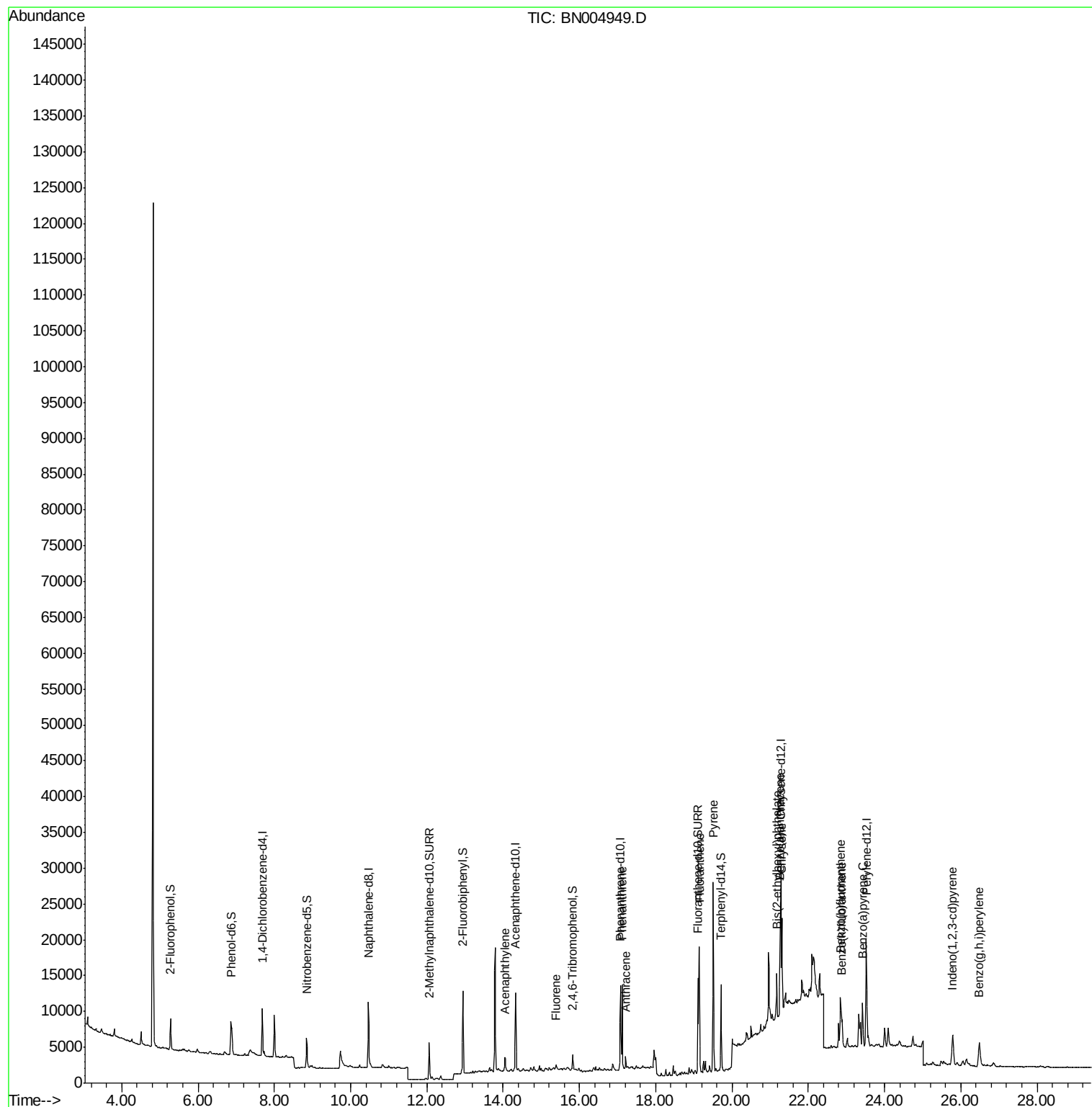
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032419\
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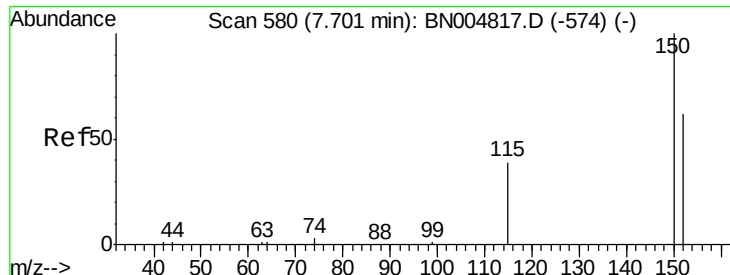
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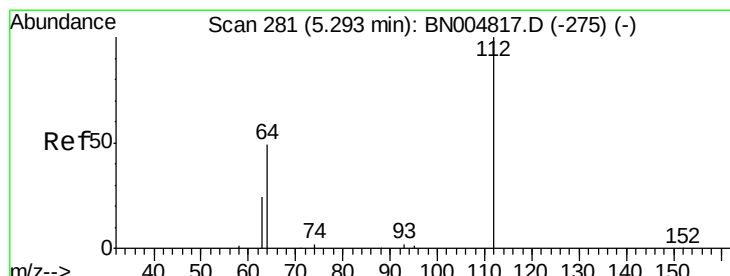
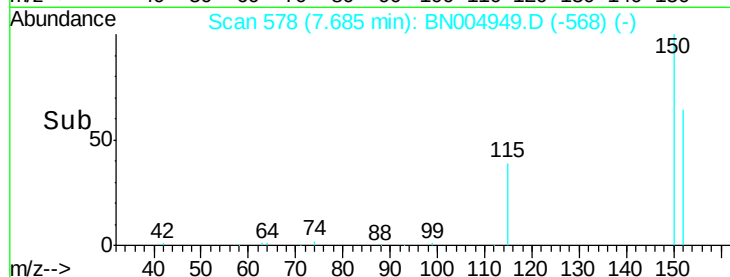
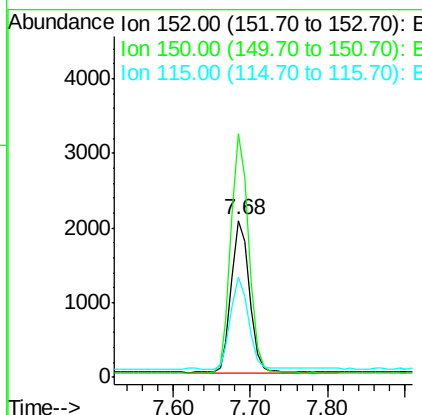
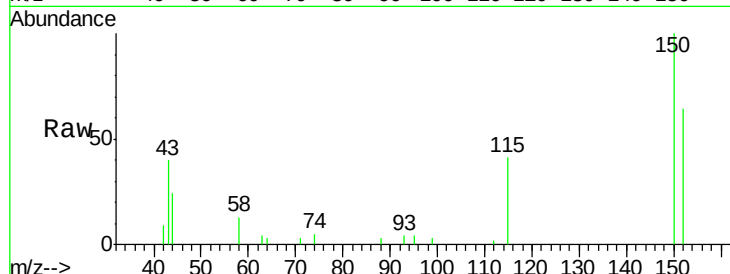
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.68 min Scan# 578
 Delta R.T. -0.02 min
 Lab File: BN004949.D
 Acq: 24 Mar 2019 21:08

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-SW038-031919

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.1	126.2	189.4
115	64.2	52.6	79.0

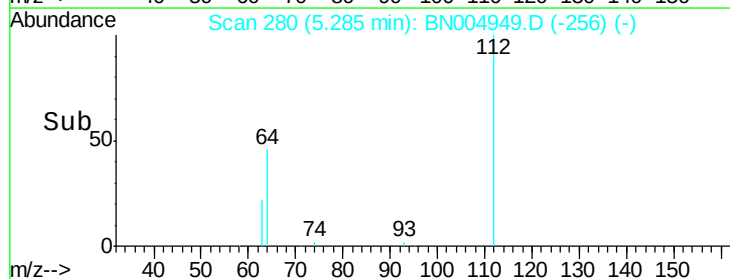
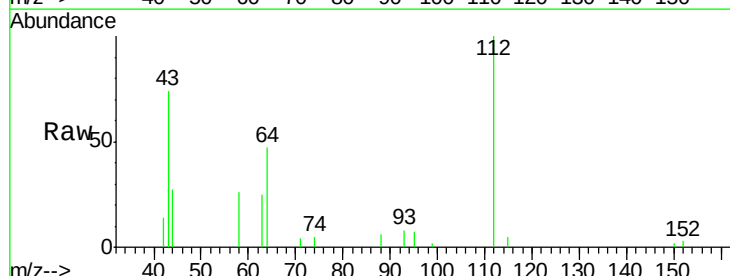
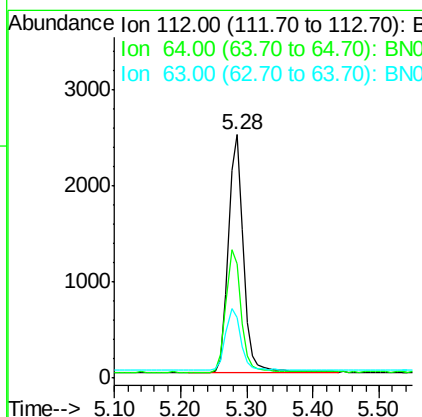
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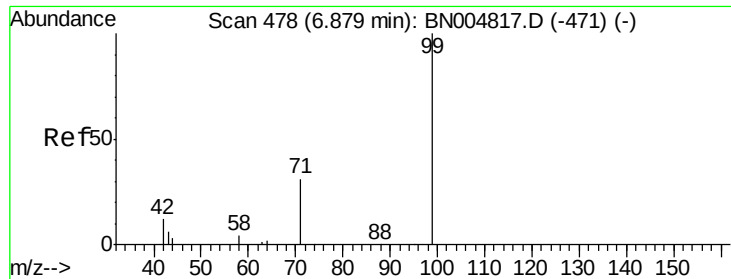
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#4
 2-Fluorophenol
 Concen: 0.433 ng
 RT: 5.28 min Scan# 280
 Delta R.T. -0.01 min
 Lab File: BN004949.D
 Acq: 24 Mar 2019 21:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.1	40.0	60.0
63	26.2	20.2	30.2





#5

Phenol-d6

Concen: 0.419 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004949.D

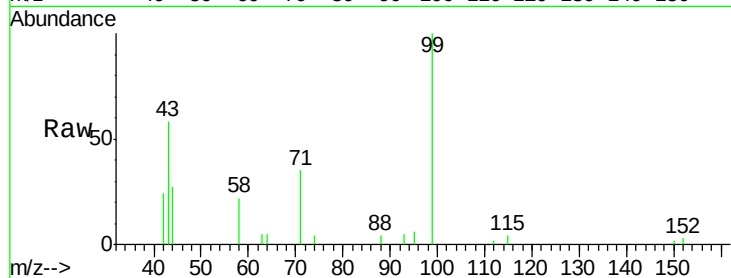
Acq: 24 Mar 2019 21:08

Instrument :

BNA_N

ClientSampleId :

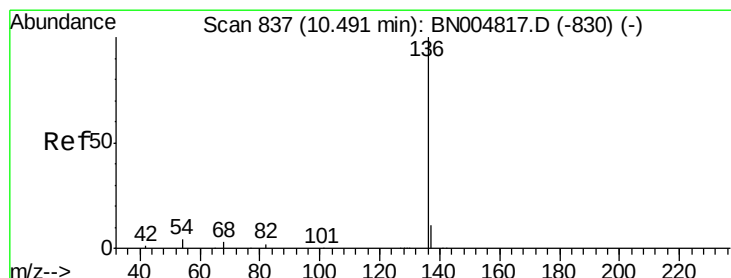
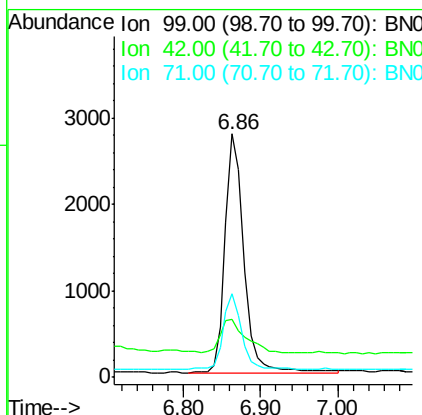
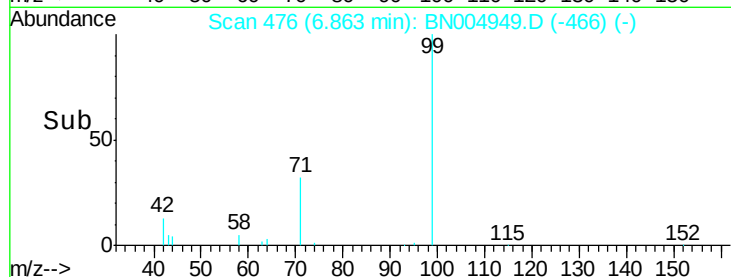
PST-026-SW038-031919



Tgt Ion:	99	Resp:	4691
Ion	Ratio	Lower	Upper
99	100		
42	19.6	12.7	19.1#
71	32.0	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

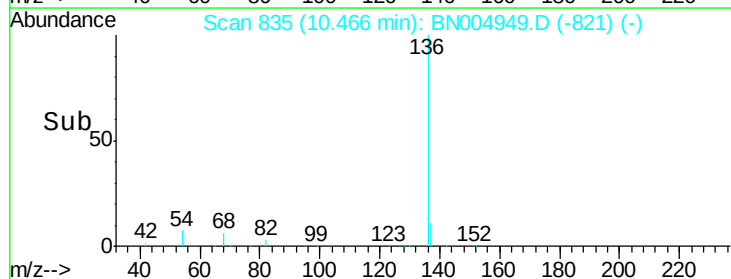
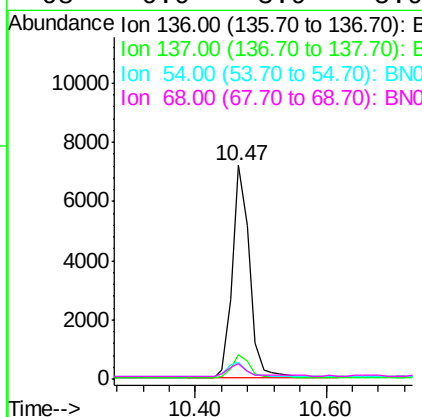
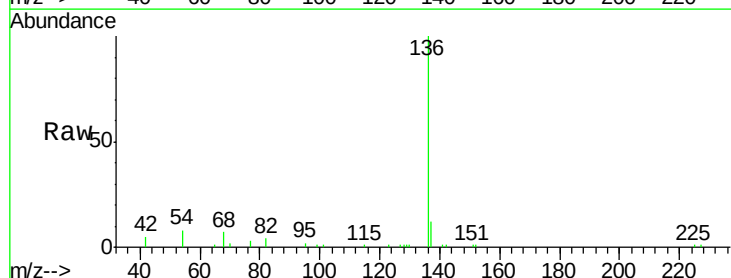
RT: 10.47 min Scan# 835

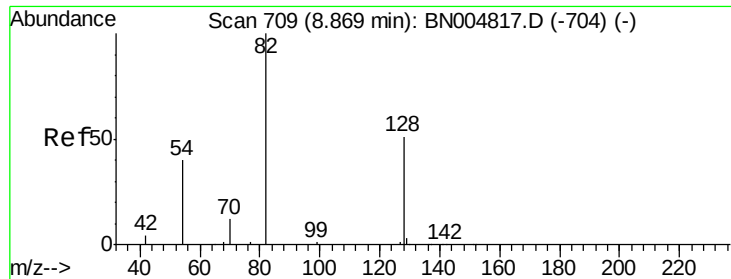
Delta R.T. -0.03 min

Lab File: BN004949.D

Acq: 24 Mar 2019 21:08

Tgt Ion:	136	Resp:	12934
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.6	14.4
54	7.9	4.2	6.2#
68	6.9	3.9	5.9#





#8

Nitrobenzene-d5

Concen: 0.445 ng

RT: 8.84 min Scan# 707

Delta R.T. -0.03 min

Lab File: BN004949.D

Acq: 24 Mar 2019 21:08

Instrument :

BNA_N

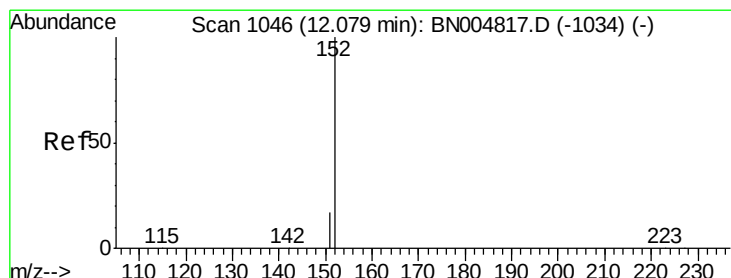
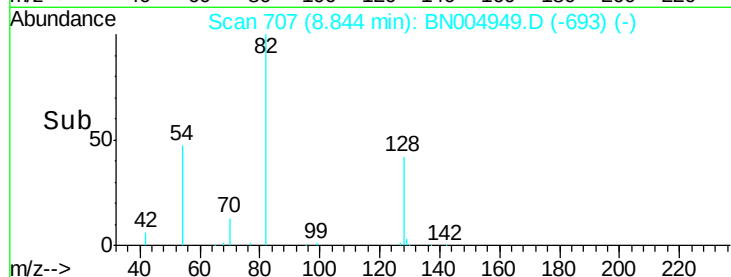
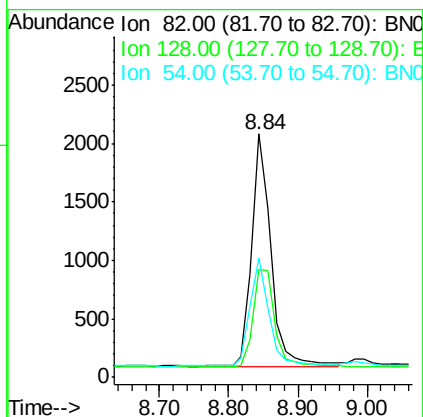
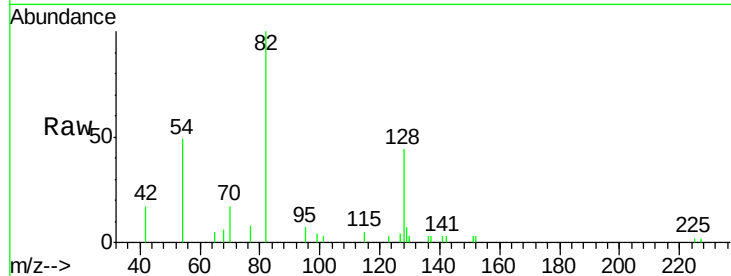
ClientSampleId :

PST-026-SW038-031919

Tgt Ion:	82	Resp:	3809
Ion Ratio	Lower	Upper	
82	100		
128	44.1	43.0	64.6
54	49.2	35.3	52.9

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#11

2-Methylnaphthalene-d10

Concen: 0.324 ng

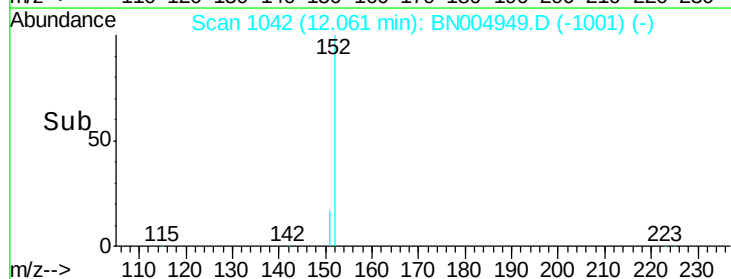
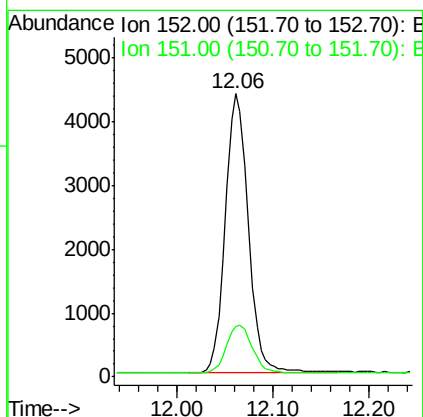
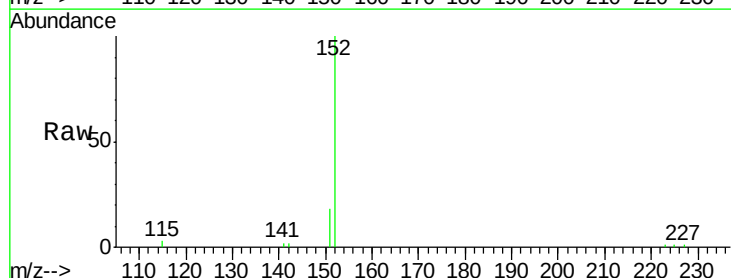
RT: 12.06 min Scan# 1042

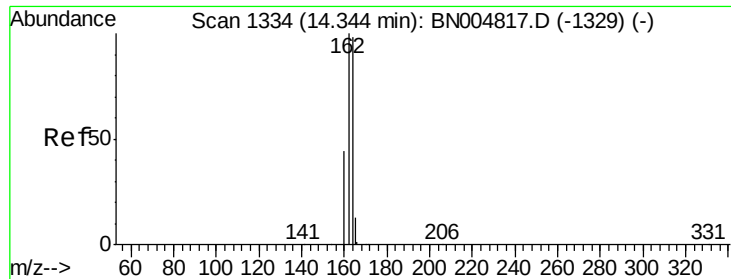
Delta R.T. -0.02 min

Lab File: BN004949.D

Acq: 24 Mar 2019 21:08

Tgt Ion:	152	Resp:	7312
Ion Ratio	Lower	Upper	
152	100		
151	19.4	15.5	23.3





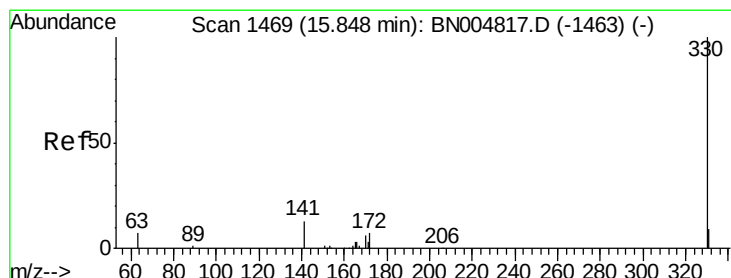
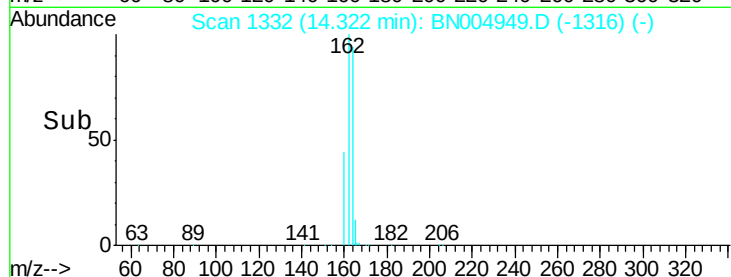
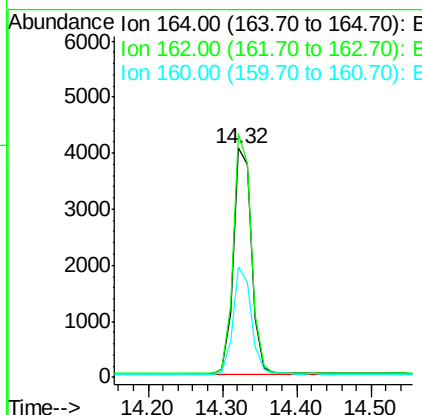
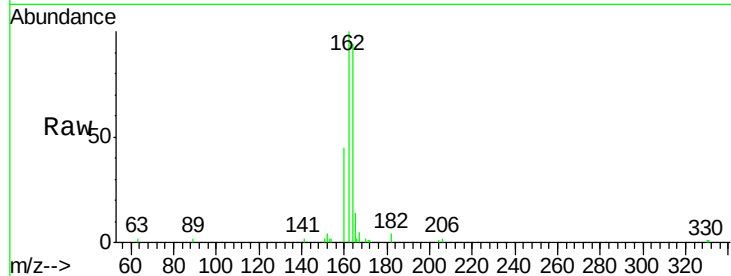
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.32 min Scan# 1332
Delta R.T. -0.02 min
Lab File: BN004949.D
Acq: 24 Mar 2019 21:08

Instrument :
BNA_N
ClientSampleId :
PST-026-SW038-031919

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.2	81.9	122.9
160	48.0	36.6	54.8

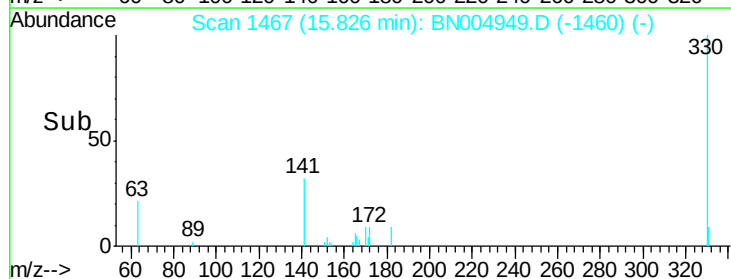
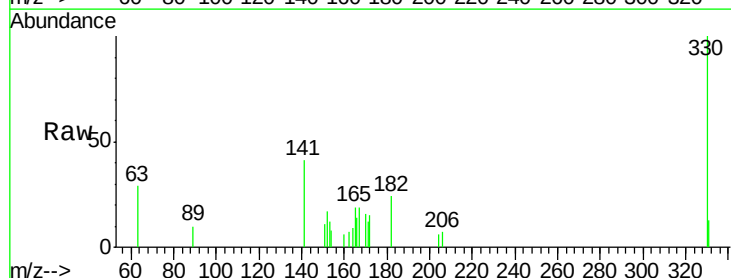
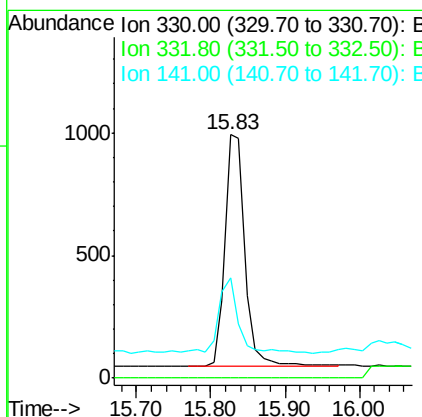
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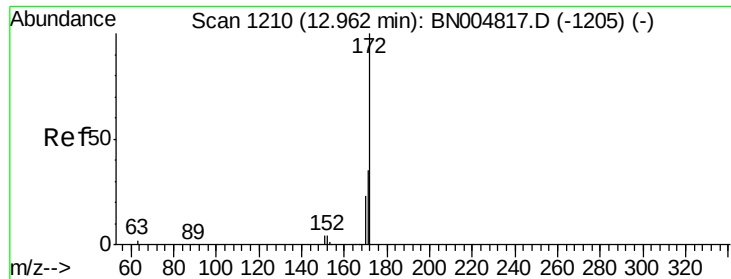
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#14
2,4,6-Tribromophenol
Concen: 0.375 ng
RT: 15.83 min Scan# 1467
Delta R.T. -0.02 min
Lab File: BN004949.D
Acq: 24 Mar 2019 21:08

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	33.3	20.9	31.3#





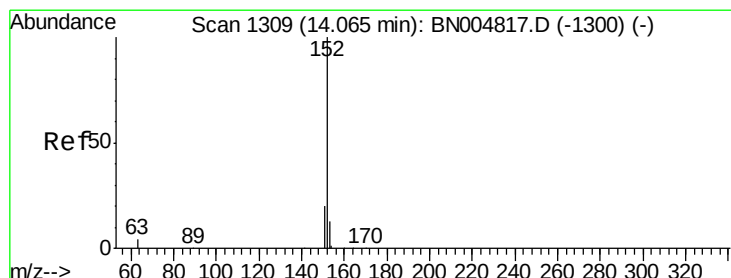
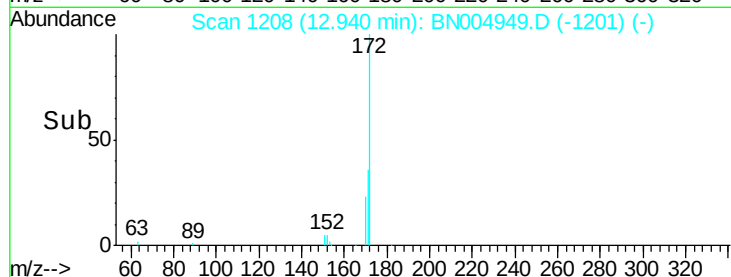
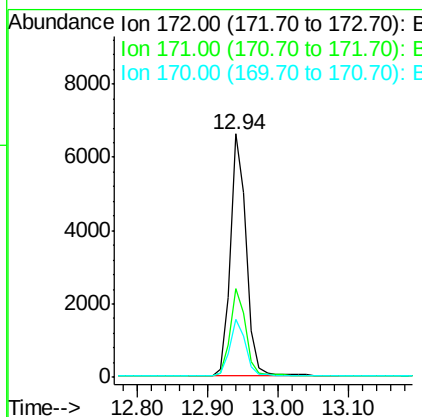
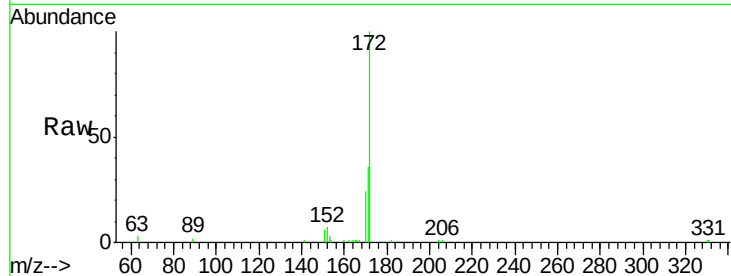
#15
2-Fluorobiphenyl
Concen: 0.369 ng
RT: 12.94 min Scan# 1208
Delta R.T. -0.02 min
Lab File: BN004949.D
Acq: 24 Mar 2019 21:08

Instrument :
BNA_N
ClientSampleId :
PST-026-SW038-031919

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.7	43.1
170	23.9	18.7	28.1

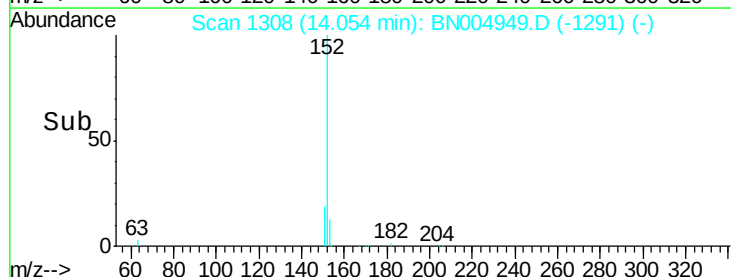
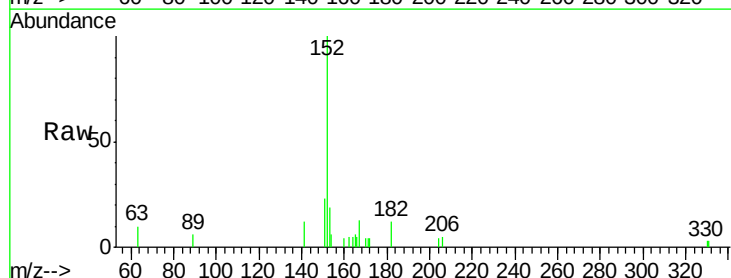
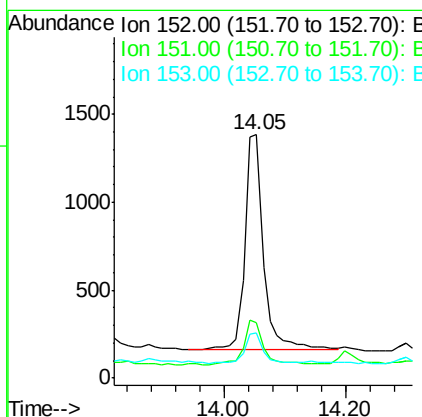
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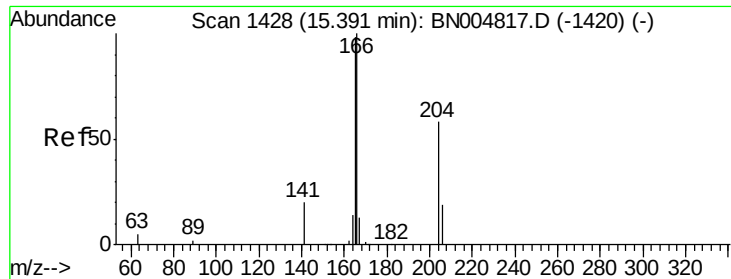
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#16
Acenaphthylene
Concen: 0.074 ng
RT: 14.05 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BN004949.D
Acq: 24 Mar 2019 21:08

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.5	16.1	24.1
153	13.3	10.5	15.7





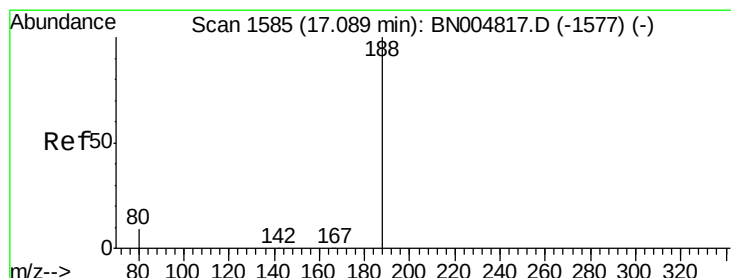
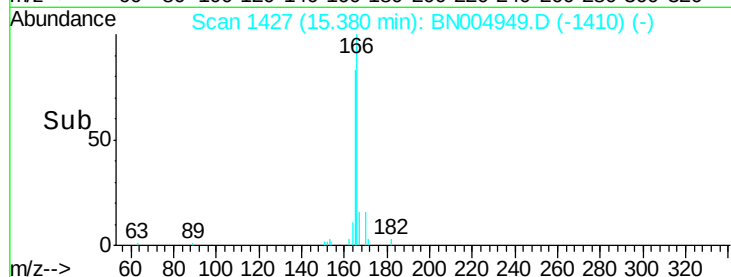
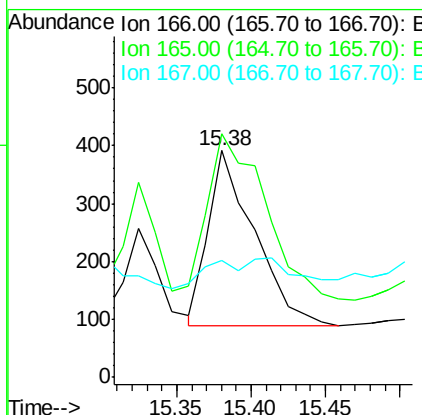
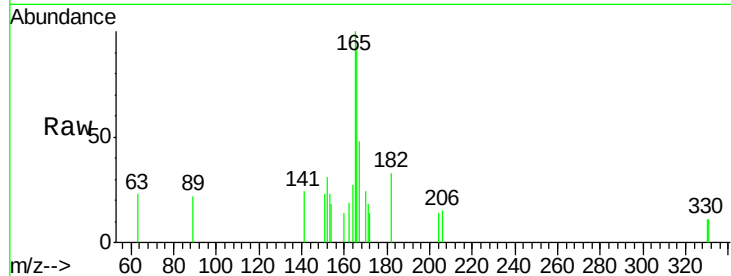
#18
 Fluorene
 Concen: 0.020 ng
 RT: 15.38 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BN004949.D
 Acq: 24 Mar 2019 21:08

Instrument :
 BNA_N
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
166	100		
165	120.0	78.2	117.4#
167	0.0	11.0	16.4#

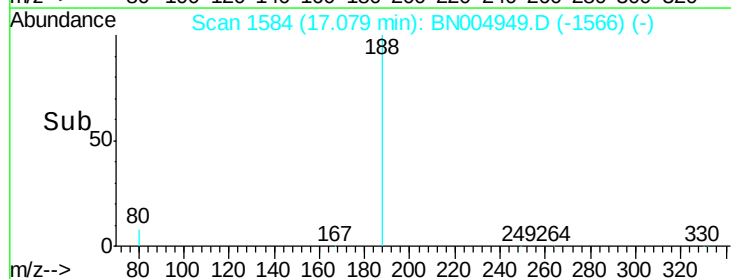
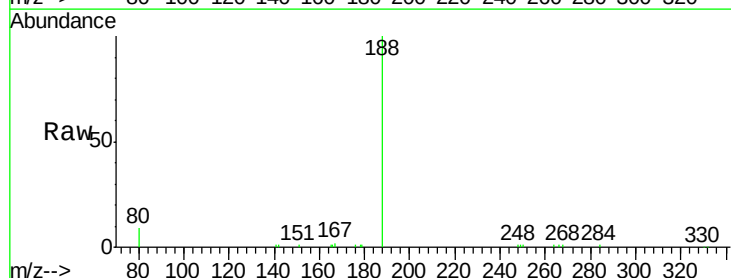
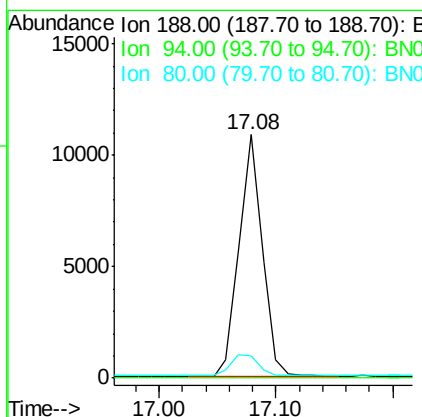
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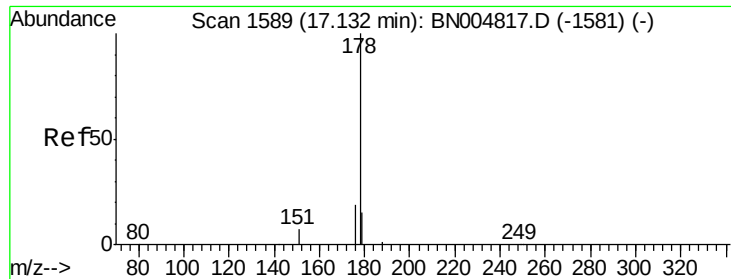
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#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.08 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BN004949.D
 Acq: 24 Mar 2019 21:08

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.4	7.4	11.2





#23

Phenanthrene

Concen: 0.259 ng

RT: 17.12 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BN004949.D

Acq: 24 Mar 2019 21:08

Instrument :

BNA_N

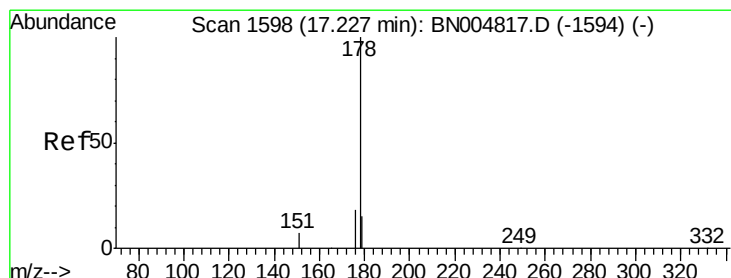
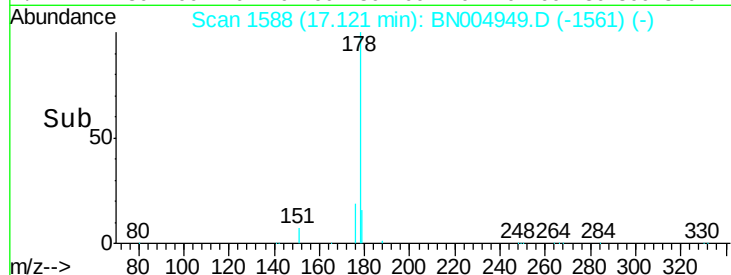
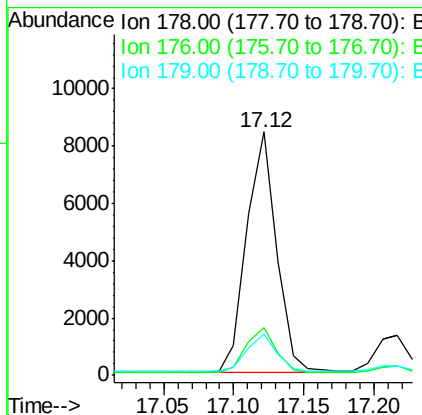
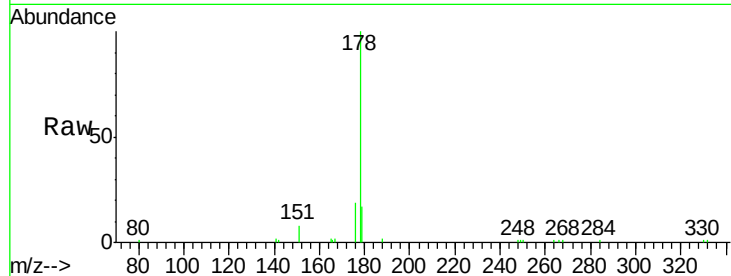
ClientSampleId :

PST-026-SW038-031919

Tgt Ion:	178	Resp:	12482
Ion Ratio	Lower	Upper	
178	100		
176	18.6	14.9	22.3
179	16.2	12.1	18.1

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#24

Anthracene

Concen: 0.048 ng

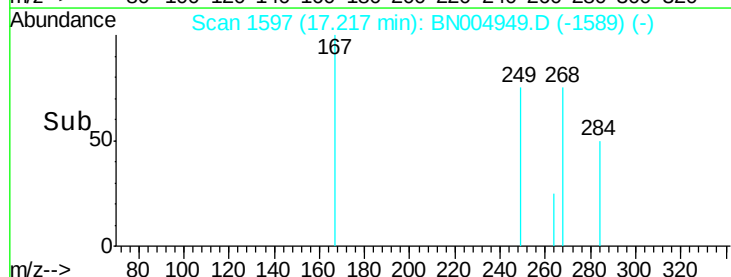
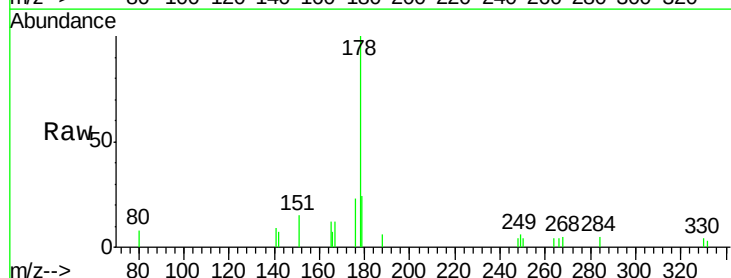
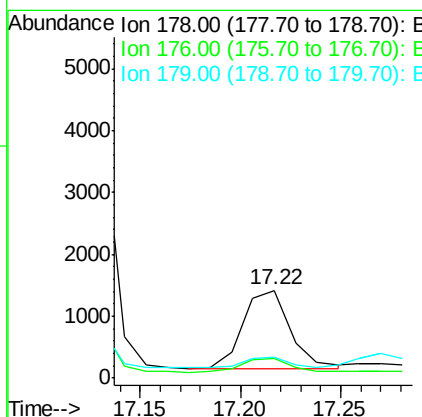
RT: 17.22 min Scan# 1597

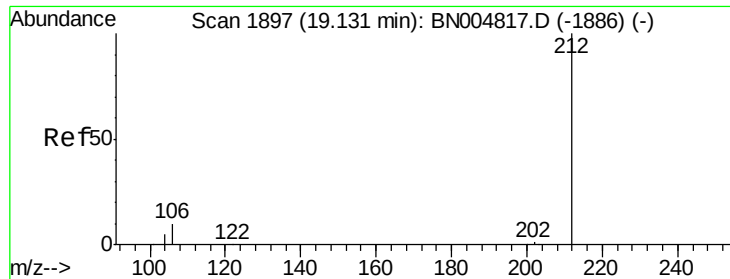
Delta R.T. -0.01 min

Lab File: BN004949.D

Acq: 24 Mar 2019 21:08

Tgt Ion:	178	Resp:	2045
Ion Ratio	Lower	Upper	
178	100		
176	19.2	14.5	21.7
179	11.8	12.2	18.4#





#25

Fluoranthene-d10

Concen: 0.297 ng

RT: 19.12 min Scan# 1894

Delta R.T. -0.01 min

Lab File: BN004949.D

Acq: 24 Mar 2019 21:08

Instrument :

BNA_N

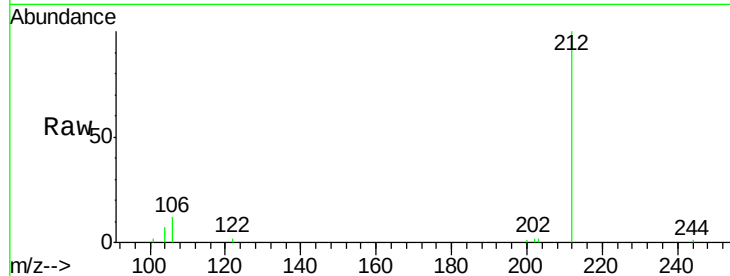
ClientSampleId :

PST-026-SW038-031919

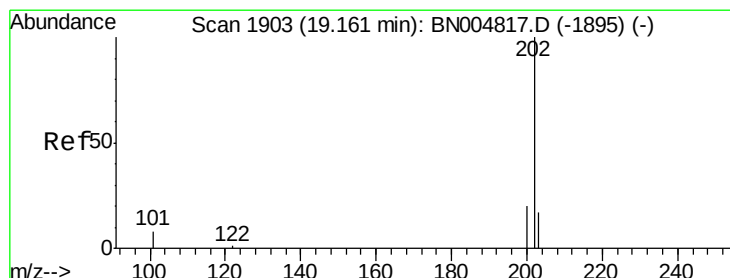
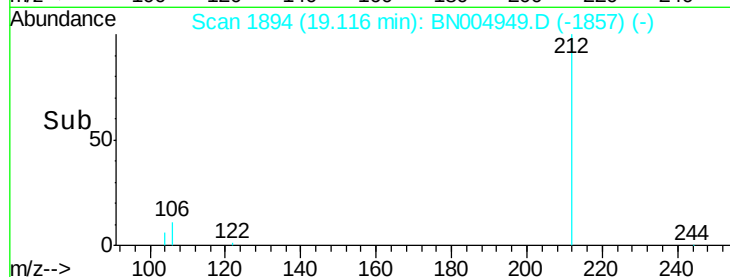
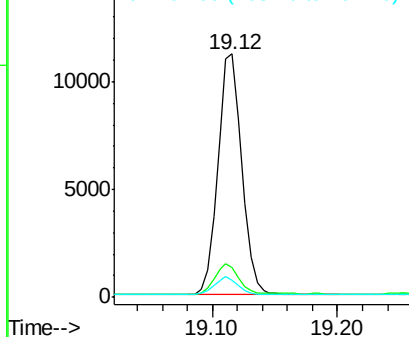
Tgt Ion:	212	Resp:	14821
Ion Ratio	Lower	Upper	
212	100		
106	12.9	8.6	13.0
104	7.0	4.7	7.1

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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: 0.267 ng

RT: 19.15 min Scan# 1900

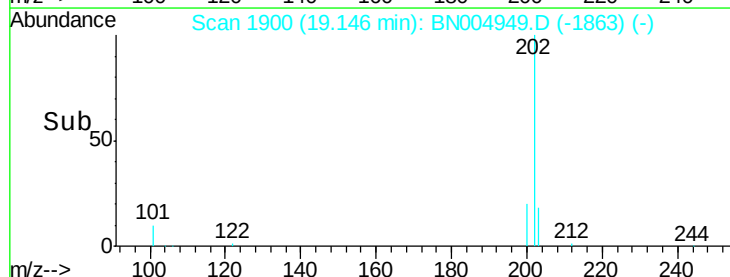
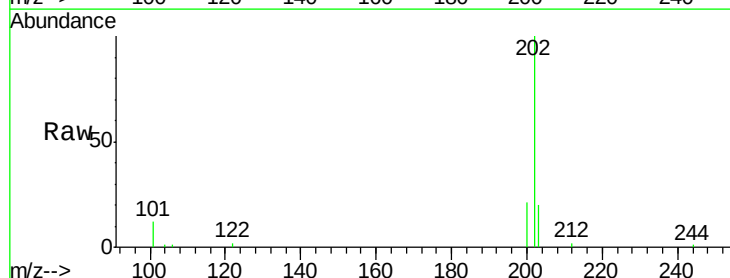
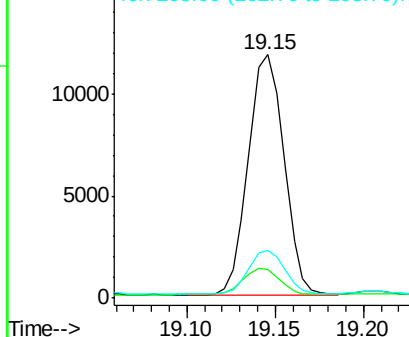
Delta R.T. -0.01 min

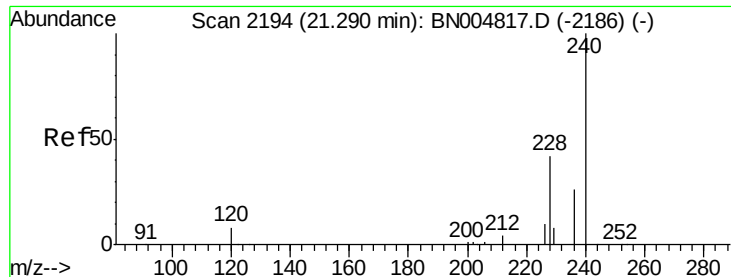
Lab File: BN004949.D

Acq: 24 Mar 2019 21:08

Tgt Ion:	202	Resp:	16521
Ion Ratio	Lower	Upper	
202	100		
101	12.2	7.5	11.3#
203	18.3	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





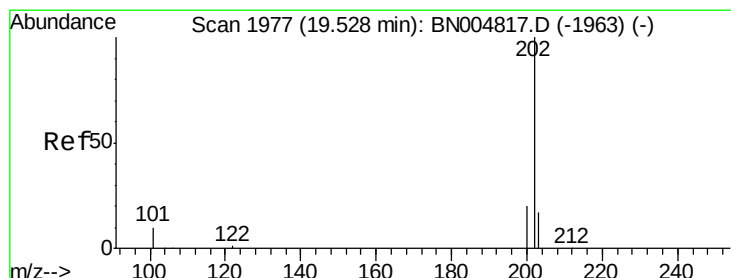
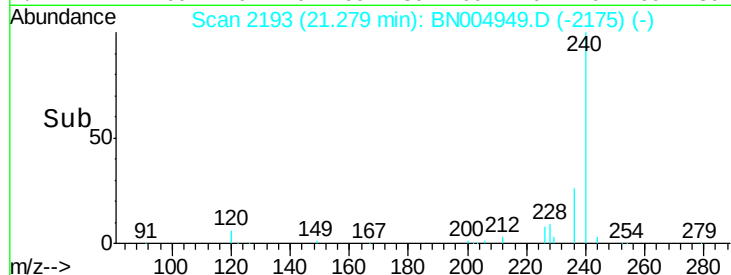
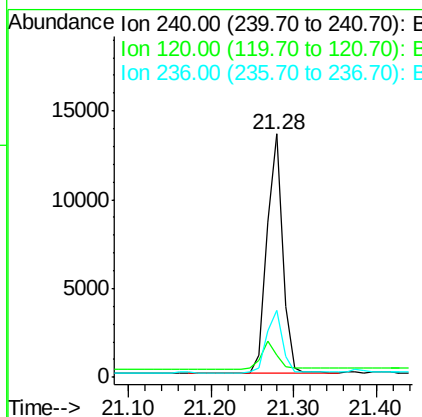
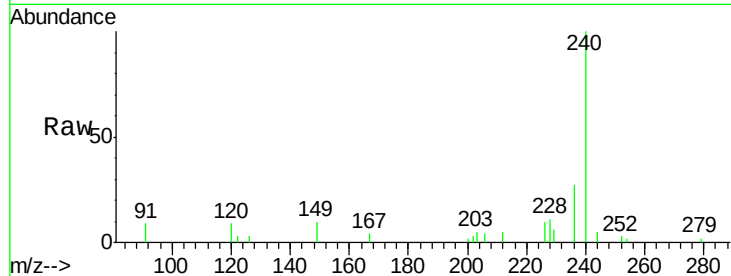
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.28 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BN004949.D
 Acq: 24 Mar 2019 21:08

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-SW038-031919

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.3	7.2	10.8
236	27.3	20.9	31.3

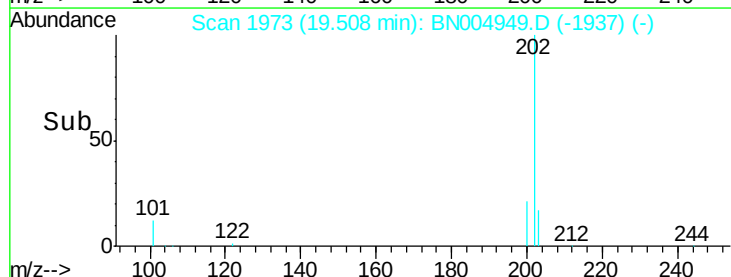
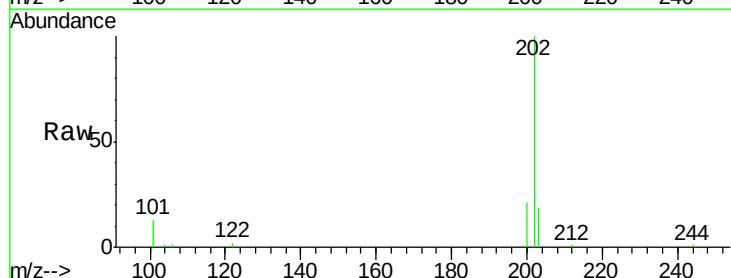
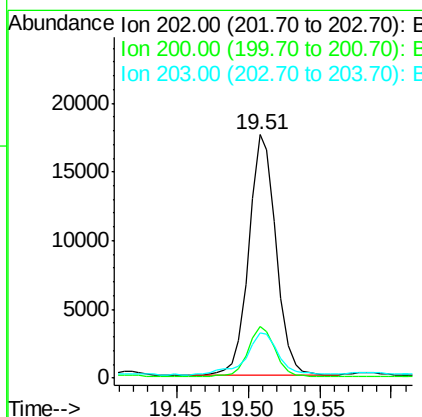
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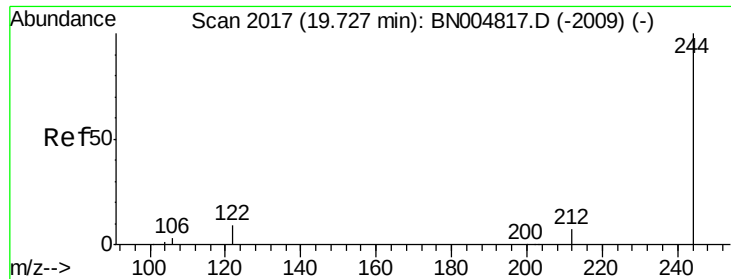
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#28
 Pyrene
 Concen: 0.433 ng
 RT: 19.51 min Scan# 1973
 Delta R.T. -0.02 min
 Lab File: BN004949.D
 Acq: 24 Mar 2019 21:08

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.3	24.5
203	20.4	14.0	21.0





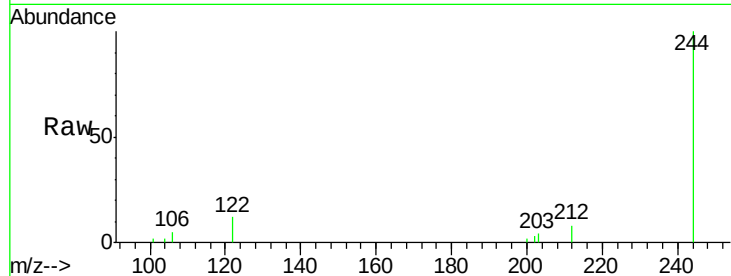
#29
 Terphenyl-d14
 Concen: 0.332 ng
 RT: 19.71 min Scan# 2014
 Delta R.T. -0.01 min
 Lab File: BN004949.D
 Acq: 24 Mar 2019 21:08

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-SW038-031919

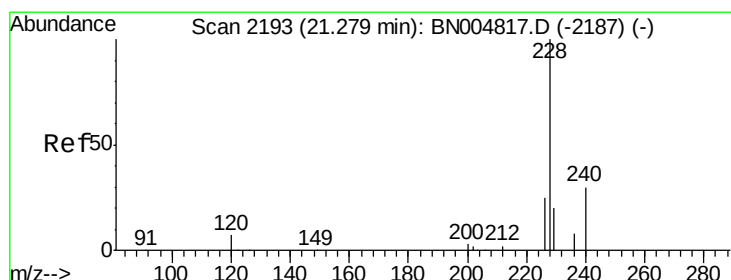
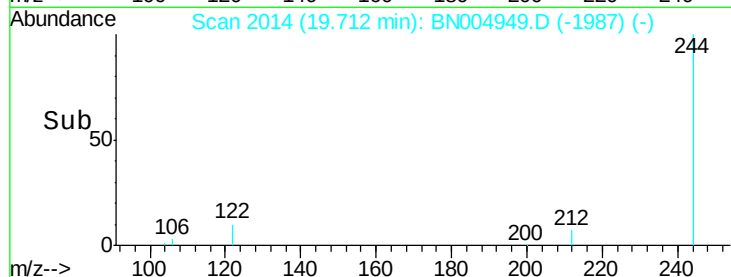
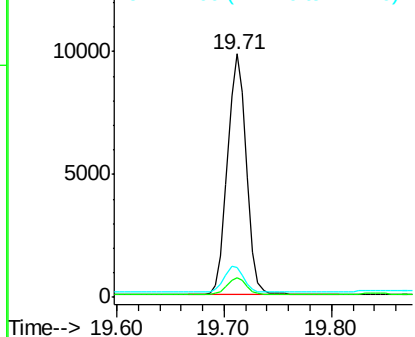
Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.0	5.8	8.6
122	12.2	7.9	11.9

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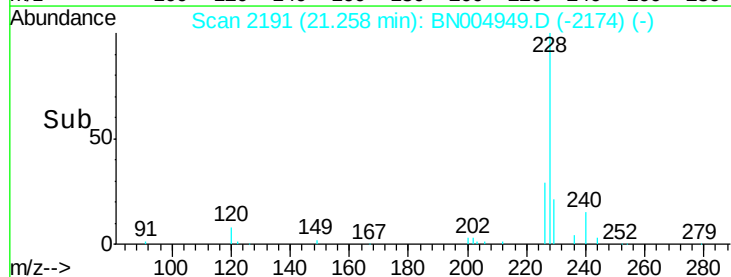
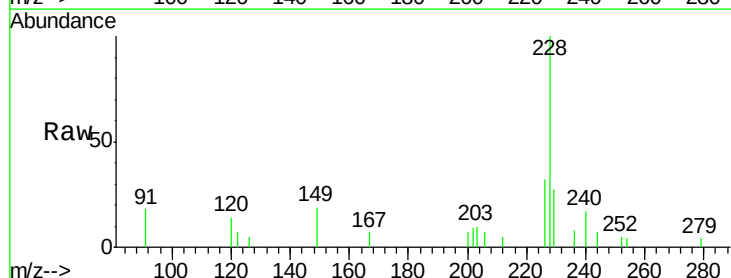
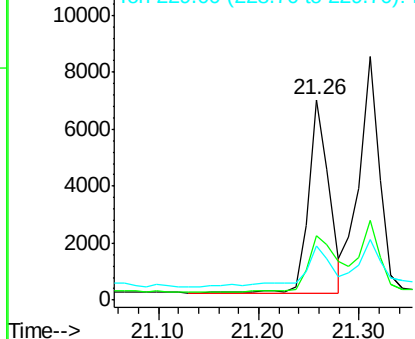
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

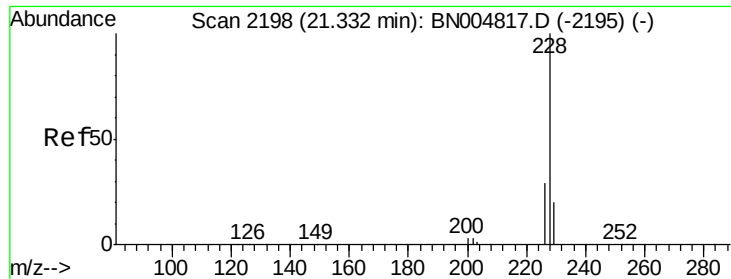


#30
 Benzo(a)anthracene
 Concen: 0.168 ng
 RT: 21.26 min Scan# 2191
 Delta R.T. -0.02 min
 Lab File: BN004949.D
 Acq: 24 Mar 2019 21:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.1	20.6	31.0
229	27.1	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: 0.190 ng

RT: 21.31 min Scan# 2196

Delta R.T. -0.02 min

Lab File: BN004949.D

Acq: 24 Mar 2019 21:08

Instrument :

BNA_N

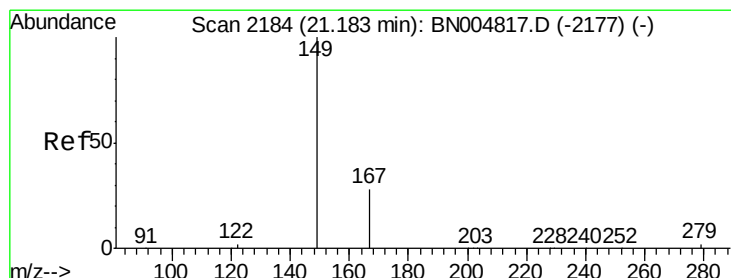
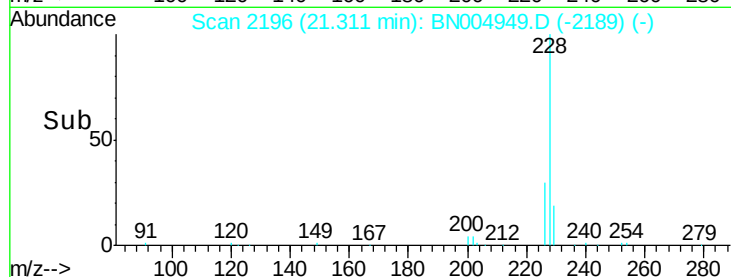
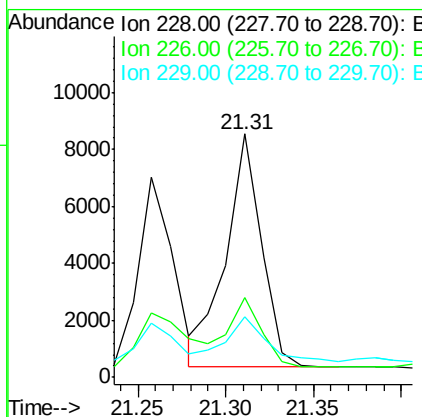
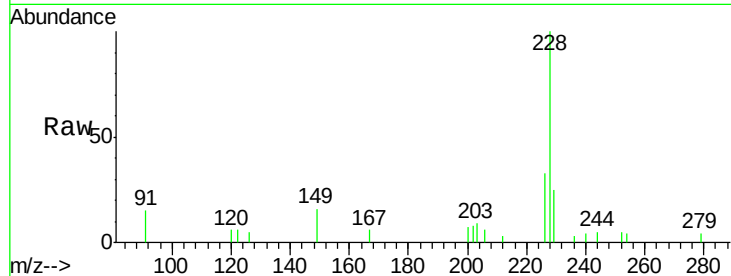
ClientSampleId :

PST-026-SW038-031919

Tgt Ion:	228	Resp:	11510
Ion Ratio	Lower	Upper	
228	100		
226	32.8	23.0	34.6
229	25.1	16.2	24.2

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.288 ng

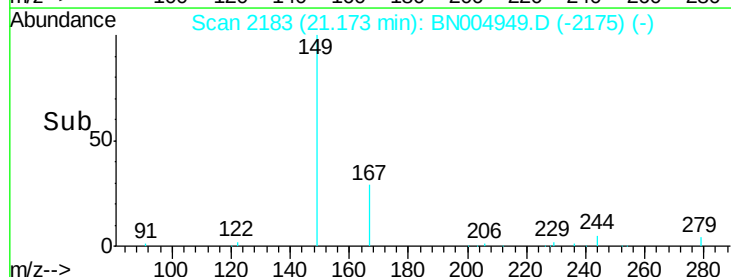
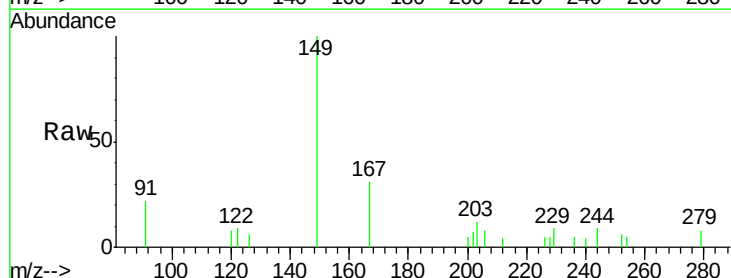
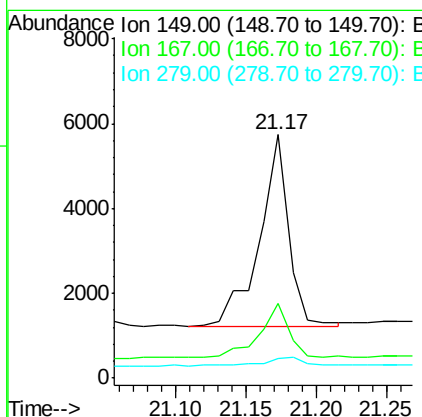
RT: 21.17 min Scan# 2183

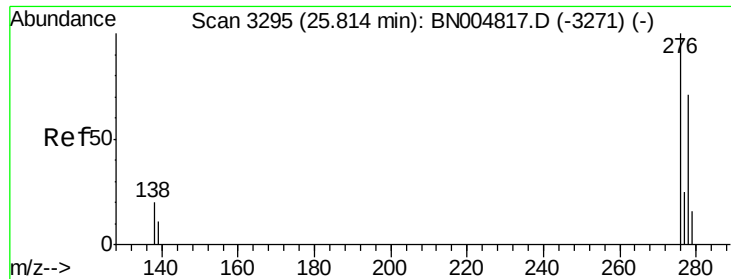
Delta R.T. -0.01 min

Lab File: BN004949.D

Acq: 24 Mar 2019 21:08

Tgt Ion:	149	Resp:	6626
Ion Ratio	Lower	Upper	
149	100		
167	29.3	23.0	34.4
279	5.4	4.6	6.8





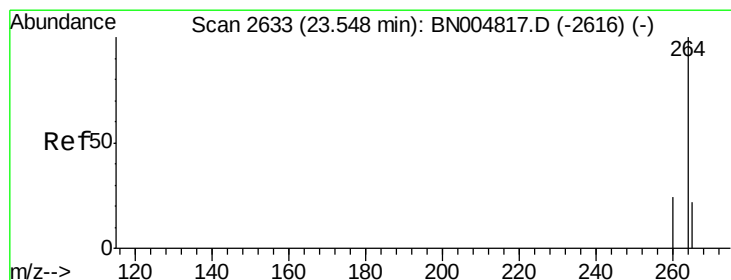
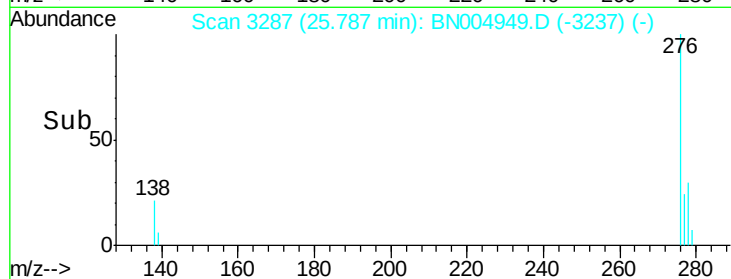
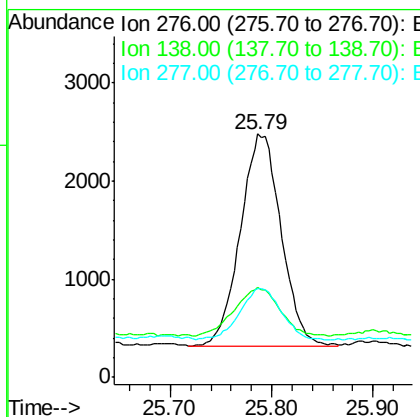
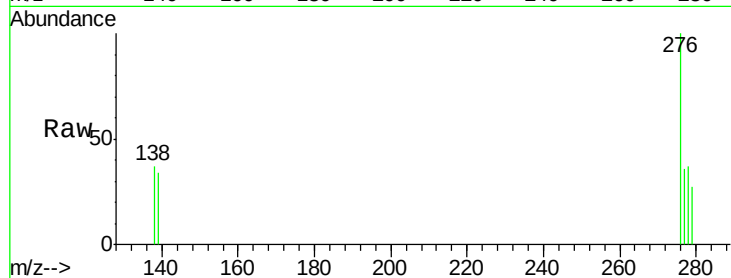
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.069 ng
 RT: 25.79 min Scan# 3287
 Delta R.T. -0.03 min
 Lab File: BN004949.D
 Acq: 24 Mar 2019 21:08

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-SW038-031919

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.5	16.6	24.8#
277	25.1	20.3	30.5

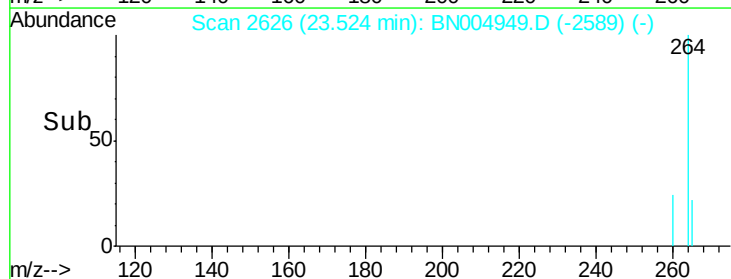
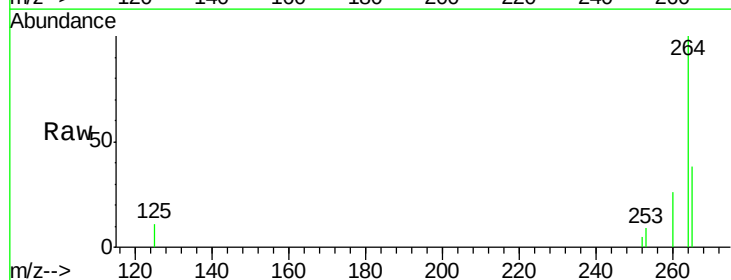
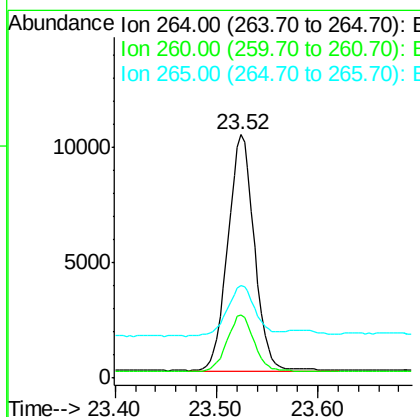
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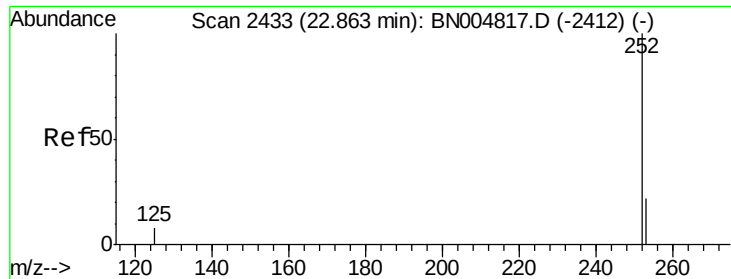
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#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.52 min Scan# 2626
 Delta R.T. -0.02 min
 Lab File: BN004949.D
 Acq: 24 Mar 2019 21:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.1	19.5	29.3
265	38.1	23.1	34.7#





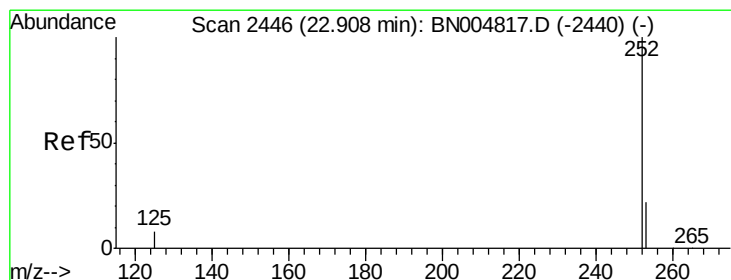
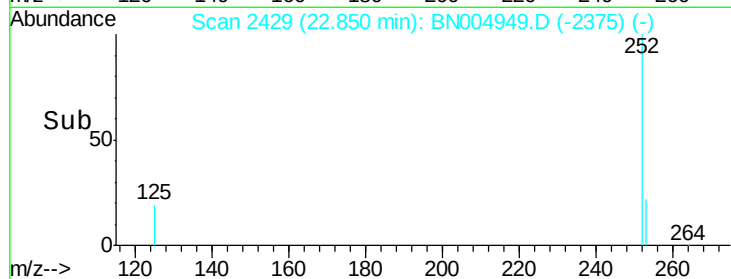
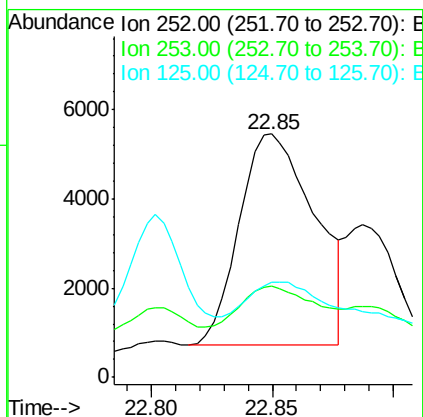
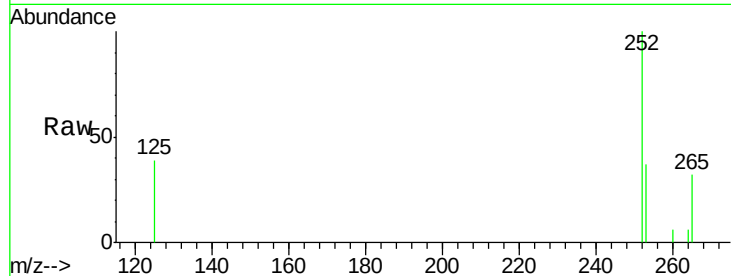
#35
Benzo(b)fluoranthene
Concen: 0.152 ng
RT: 22.85 min Scan# 2429
Delta R.T. -0.01 min
Lab File: BN004949.D
Acq: 24 Mar 2019 21:08

Instrument :
BNA_N
ClientSampleId :
PST-026-SW038-031919

Tgt Ion	Ratio	Lower	Upper
252	100		
253	37.4	19.0	28.4#
125	38.8	7.4	11.2#

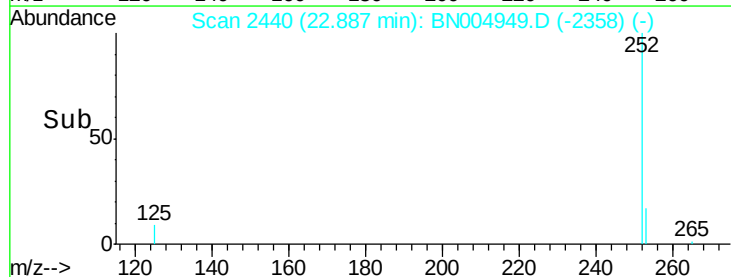
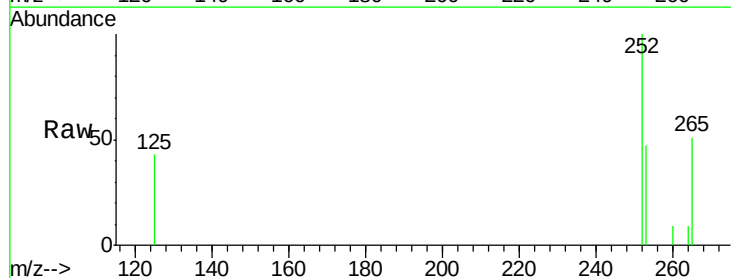
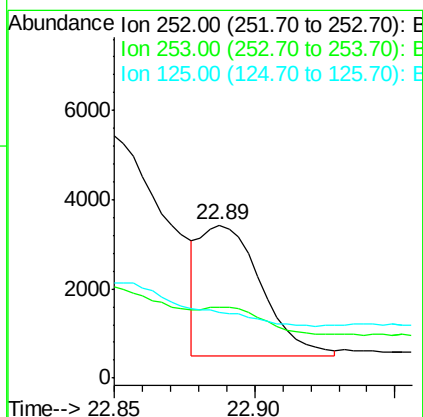
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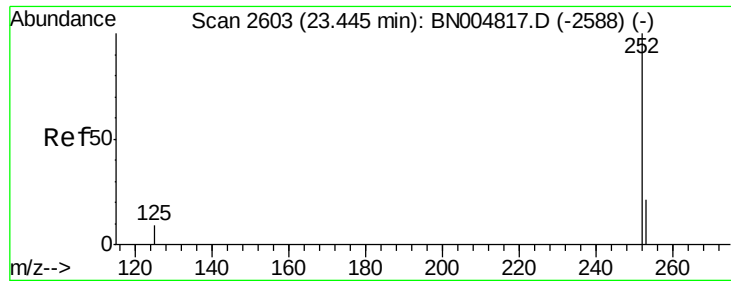
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#36
Benzo(k)fluoranthene
Concen: 0.068 ng m
RT: 22.89 min Scan# 2440
Delta R.T. -0.02 min
Lab File: BN004949.D
Acq: 24 Mar 2019 21:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	46.5	19.3	28.9#
125	43.1	7.4	11.0#





#37

Benzo(a)pyrene

Concen: 0.129 ng

RT: 23.42 min Scan# 2597

Delta R.T. -0.02 min

Lab File: BN004949.D

Acq: 24 Mar 2019 21:08

Instrument :

BNA_N

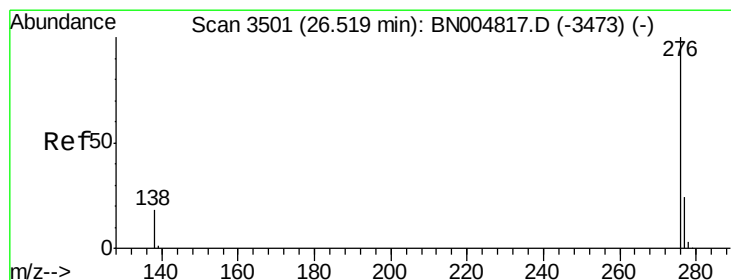
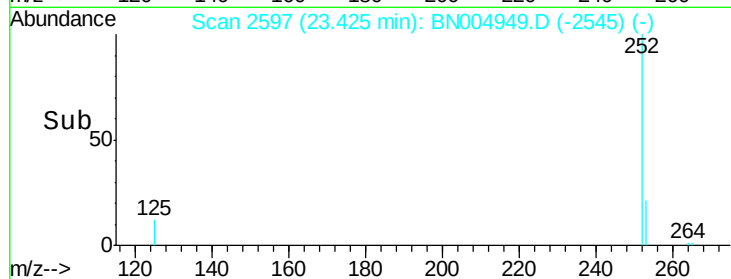
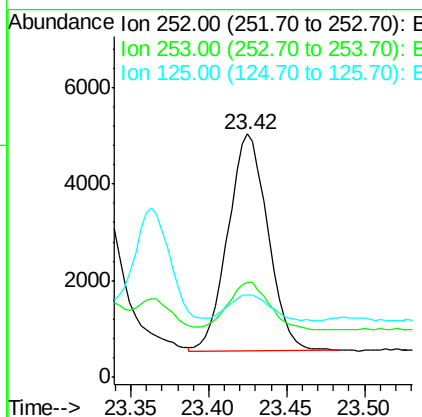
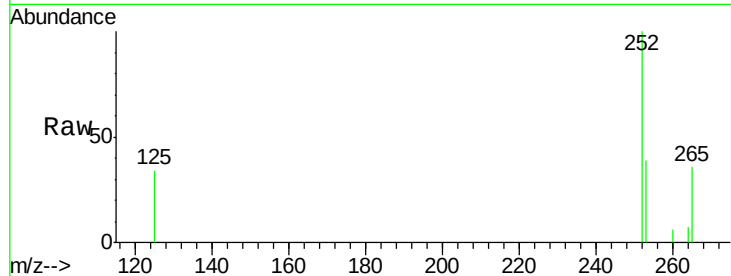
ClientSampleId :

PST-026-SW038-031919

Tgt Ion:	252	Resp:	8001
Ion Ratio	Lower	Upper	
252	100		
253	39.2	19.7	29.5#
125	33.8	8.3	12.5#

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#39

Benzo(g,h,i)perylene

Concen: 0.098 ng

RT: 26.48 min Scan# 3491

Delta R.T. -0.03 min

Lab File: BN004949.D

Acq: 24 Mar 2019 21:08

Tgt Ion:	276	Resp:	7191
Ion Ratio	Lower	Upper	
276	100		
277	36.0	19.7	29.5#
138	33.7	14.6	22.0#

