

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032319\
 Data File : BN004925.D
 Acq On : 23 Mar 2019 17:54
 Operator : JU/SJ
 Sample : K1948-15
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-025-SW080-031319

Manual Integrations
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Sohil
 3/25/2019 1:34:31 PM

Quant Time: Mar 24 01:44:57 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	2521	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	10440	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	5559	0.40	ng	-0.01
19) Phenanthrene-d10	17.08	188	13303	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	17959	0.40	ng	-0.01
34) Perylene-d12	23.53	264	20753	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.28	112	2936	0.43	ng	0.00
5) Phenol-d6	6.86	99	4126	0.48	ng	-0.02
8) Nitrobenzene-d5	8.84	82	3139	0.45	ng	-0.03
11) 2-Methylnaphthalene-d10	12.07	152	6345	0.35	ng	-0.01
14) 2,4,6-Tribromophenol	15.83	330	1502	0.39	ng	-0.02
15) 2-Fluorobiphenyl	12.95	172	8426	0.37	ng	-0.01
25) Fluoranthene-d10	19.12	212	15394	0.35	ng	-0.01
29) Terphenyl-d14	19.72	244	9758	0.27	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.52	128	1031	0.035	ng	# 81
12) 2-Methylnaphthalene	12.14	142	618	0.028	ng	# 91
16) Acenaphthylene	14.05	152	5567	0.194	ng	98
17) Acenaphthene	14.39	154	574	0.031	ng	# 87
18) Fluorene	15.38	166	1429	0.055	ng	# 89
22) Pentachlorophenol	16.74	266	69	0.035	ng	# 77
23) Phenanthrene	17.12	178	34386	0.801	ng	99
24) Anthracene	17.22	178	4601	0.120	ng	# 94
26) Fluoranthene	19.15	202	69432	1.258	ng	98
28) Pyrene	19.51	202	63228	1.155	ng	97
30) Benzo(a)anthracene	21.26	228	32253	0.548	ng	96
31) Chrysene	21.31	228	40938	0.660	ng	96
32) Bis(2-ethylhexyl)phthalate	21.17	149	13356	0.568	ng	100
33) Indeno(1,2,3-cd)pyrene	25.79	276	27769	0.309	ng	99
35) Benzo(b)fluoranthene	22.85	252	58999	0.786	ng	# 10
36) Benzo(k)fluoranthene	22.89	252	19474m	0.264	ng	
37) Benzo(a)pyrene	23.43	252	36558	0.531	ng	# 93
38) Dibenzo(a,h)anthracene	25.79	278	7144	0.090	ng	# 62
39) Benzo(g,h,i)perylene	26.49	276	27993	0.344	ng	# 95

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

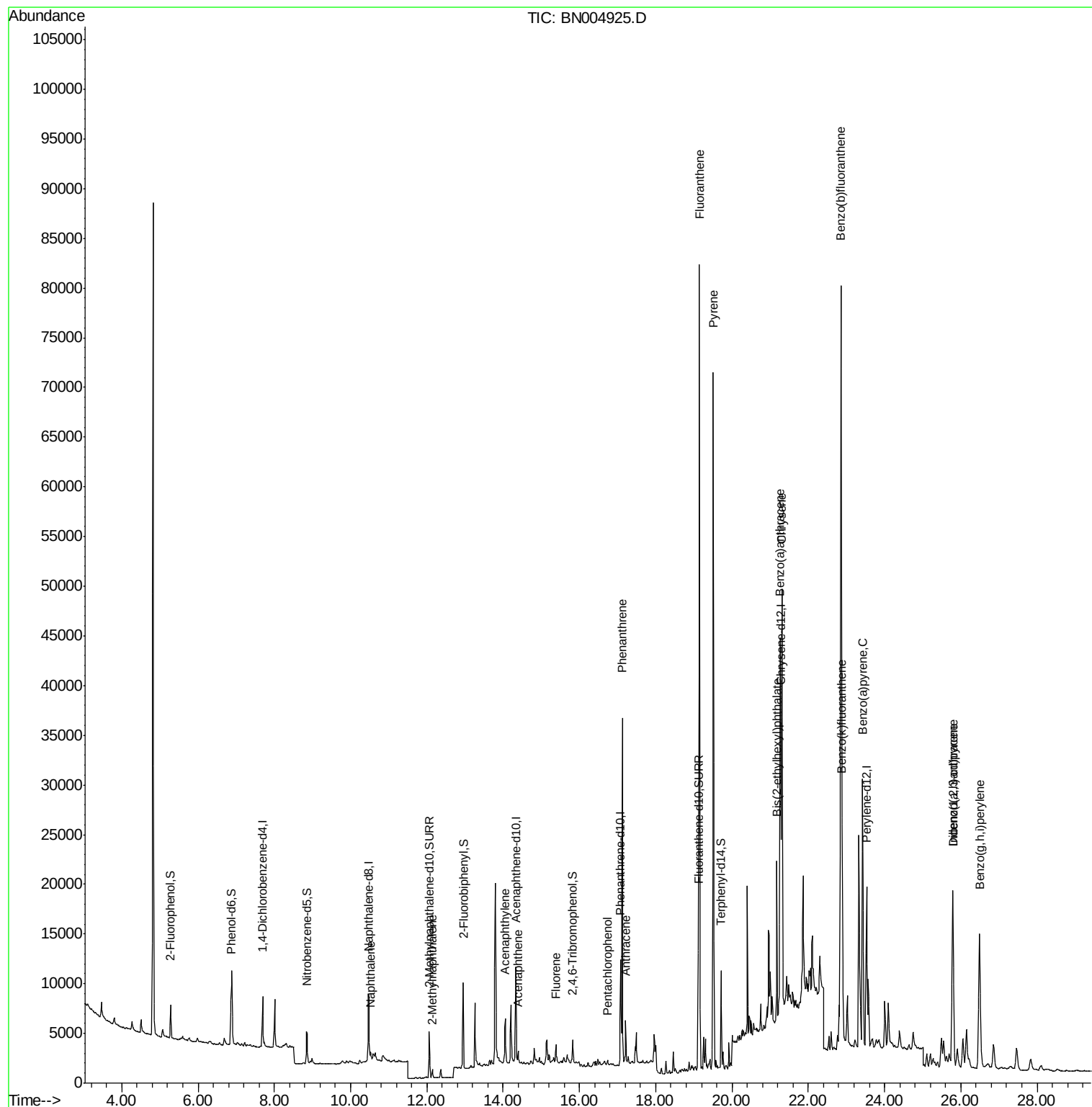
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032319\
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ALS Vial : 8 Sample Multiplier: 1

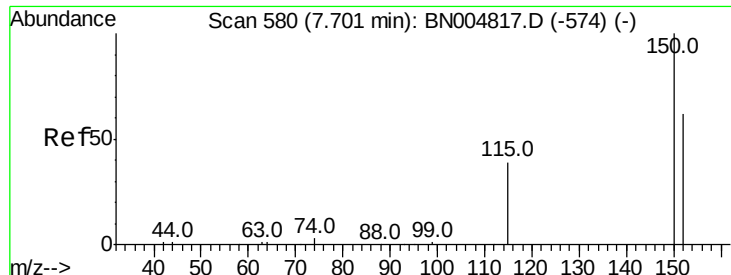
Instrument :
BNA_N
ClientSampleId :
PST-025-SW080-031319

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Quant Time: Mar 24 01:44:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

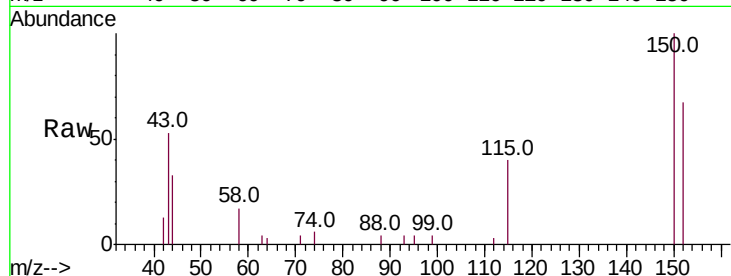
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 579
Delta R.T. -0.01 min
Lab File: BN004925.D
Acq: 23 Mar 2019 17:54

Instrument :
BNA_N
ClientSampleId :
PST-025-SW080-031319

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.8	126.2	189.4
115	60.5	52.6	79.0

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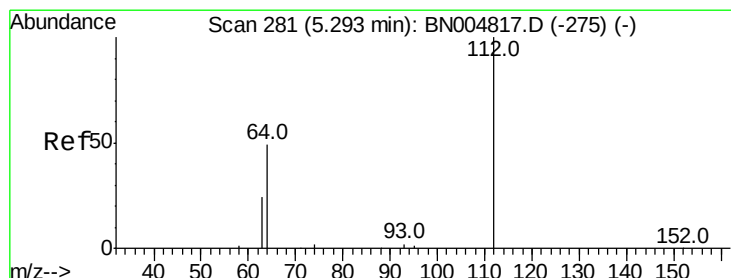
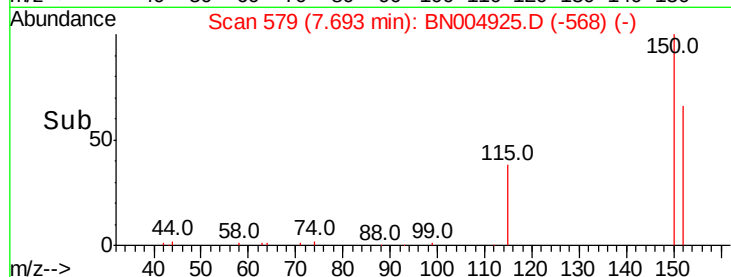
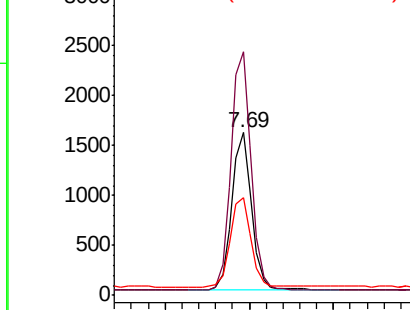


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

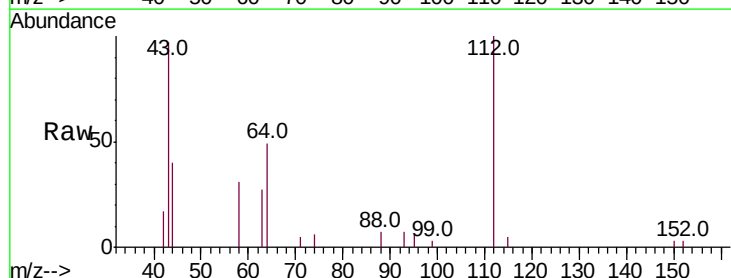
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.429 ng
RT: 5.28 min Scan# 280
Delta R.T. -0.01 min
Lab File: BN004925.D
Acq: 23 Mar 2019 17:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.4	40.0	60.0
63	25.9	20.2	30.2

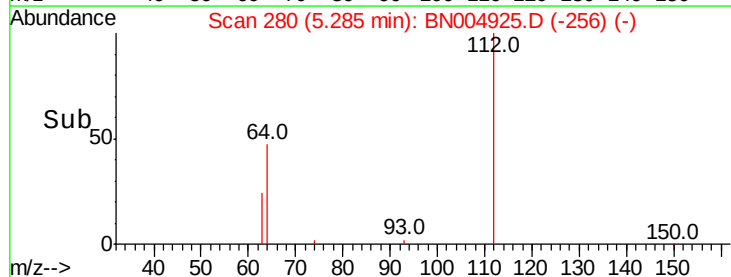
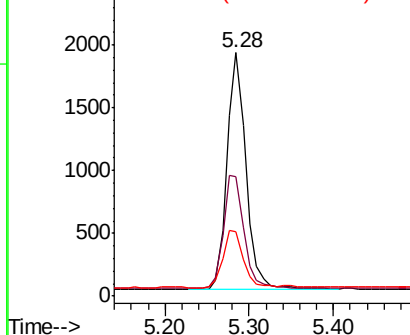


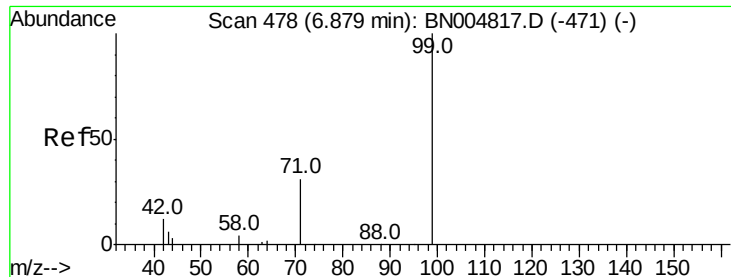
Abundance

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: 0.484 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004925.D

Acq: 23 Mar 2019 17:54

Instrument :

BNA_N

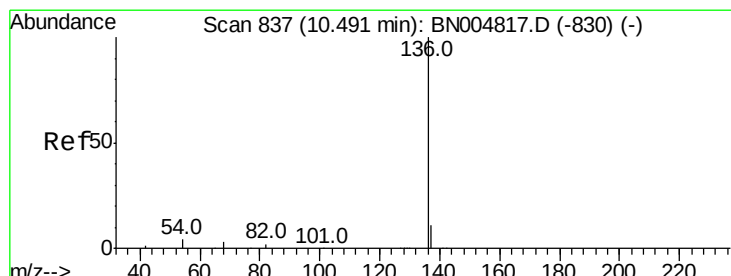
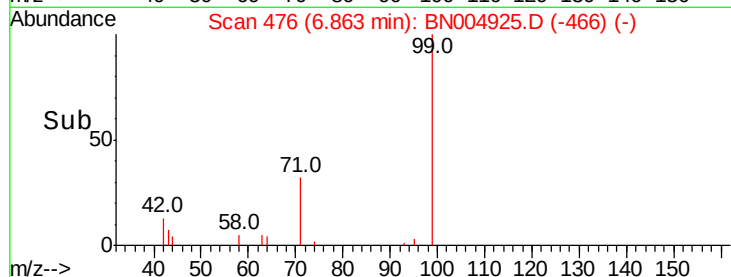
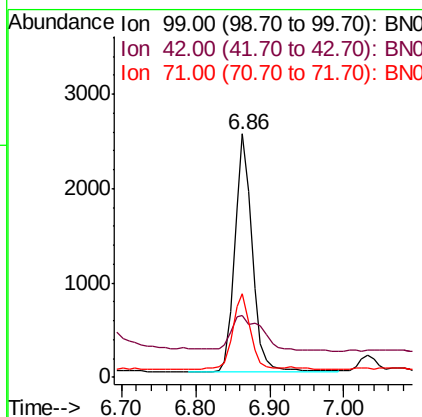
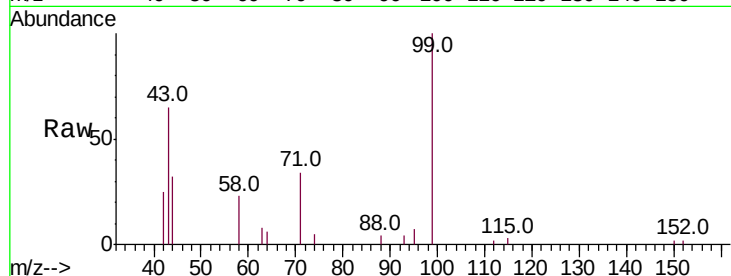
ClientSampleId :

PST-025-SW080-031319

Tot Ion:	99	Resp:	4126
Ion	Ratio	Lower	Upper
99	100		
42	26.5	12.7	19.1#
71	32.5	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

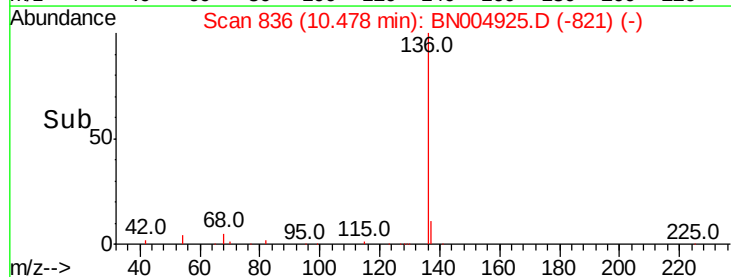
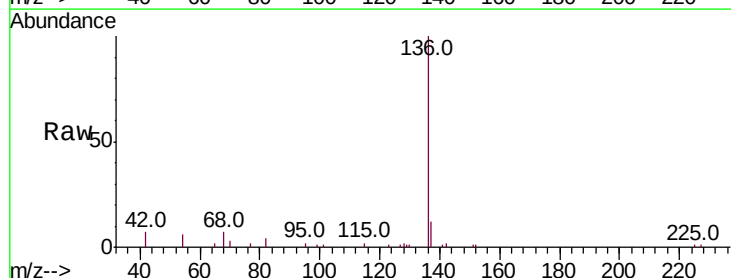
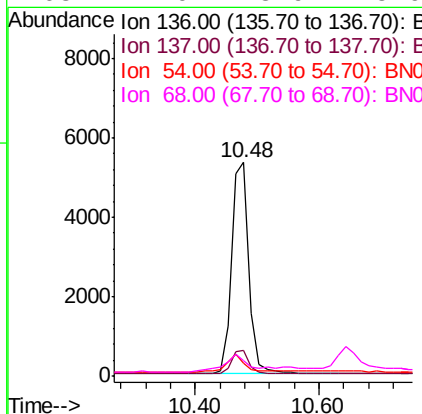
RT: 10.48 min Scan# 836

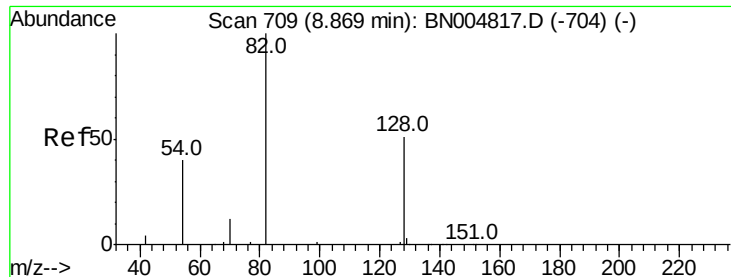
Delta R.T. -0.01 min

Lab File: BN004925.D

Acq: 23 Mar 2019 17:54

Tgt Ion:	136	Resp:	10440
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.6	14.4
54	5.9	4.2	6.2
68	7.0	3.9	5.9#





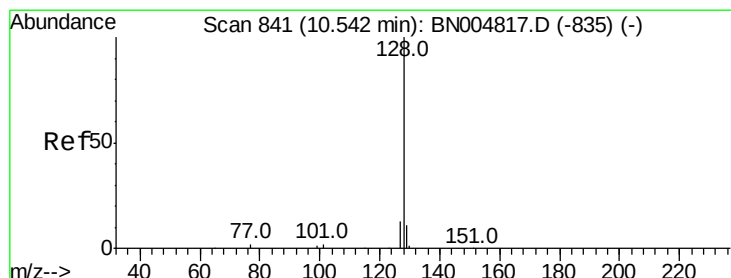
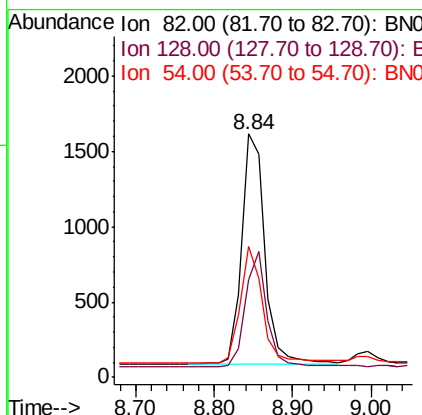
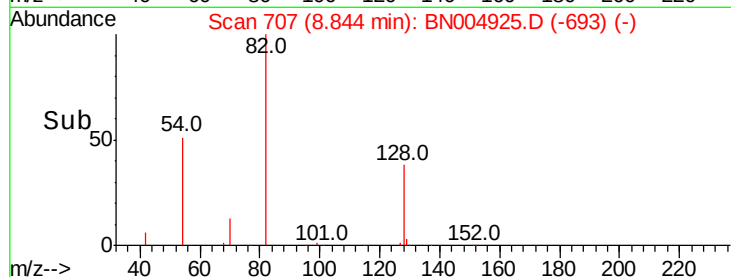
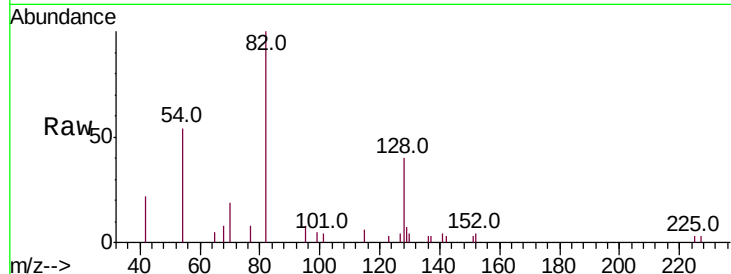
#8
 Nitrobenzene-d5
 Concen: 0.455 ng
 RT: 8.84 min Scan# 707
 Delta R.T. -0.03 min
 Lab File: BN004925.D
 Acq: 23 Mar 2019 17:54

Instrument :
 BNA_N
 ClientSampleId :
 PST-025-SW080-031319

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.3	43.0	64.6#
54	53.8	35.3	52.9#

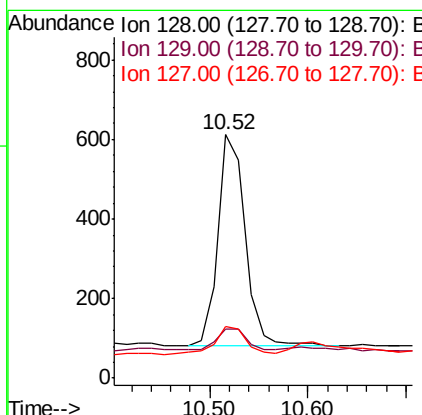
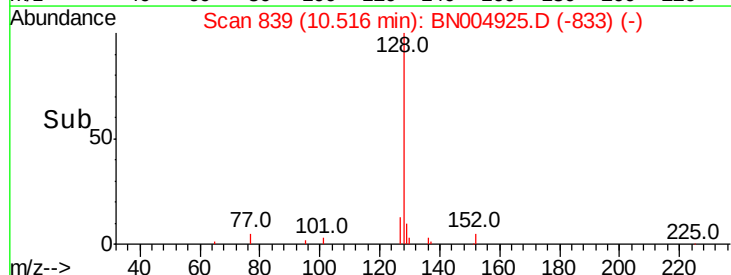
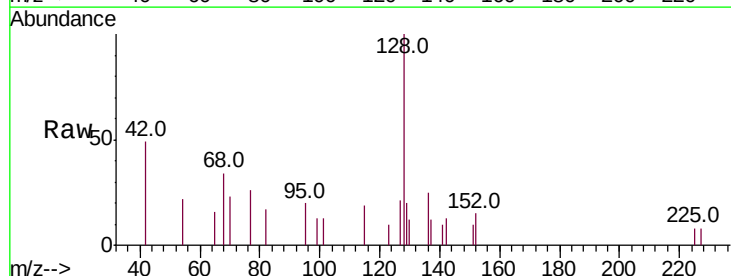
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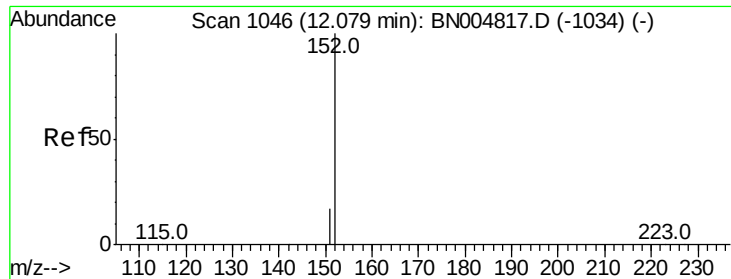
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#9
 Naphthalene
 Concen: 0.035 ng
 RT: 10.52 min Scan# 839
 Delta R.T. -0.03 min
 Lab File: BN004925.D
 Acq: 23 Mar 2019 17:54

Tgt Ion	Ratio	Lower	Upper
128	100		
129	20.4	9.9	14.9#
127	21.2	11.3	16.9#





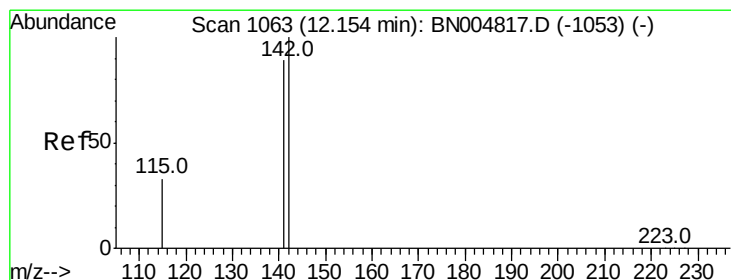
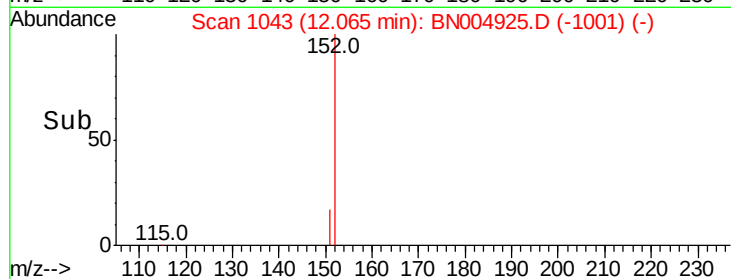
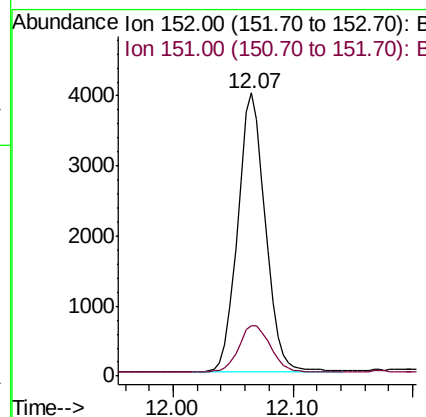
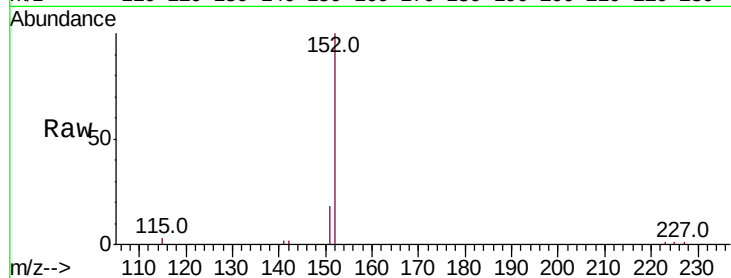
#11
 2-Methylnaphthalene-d10
 Concen: 0.348 ng
 RT: 12.07 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: BN004925.D
 Acq: 23 Mar 2019 17:54

Instrument :
 BNA_N
 ClientSampleId :
 PST-025-SW080-031319

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.5	23.3

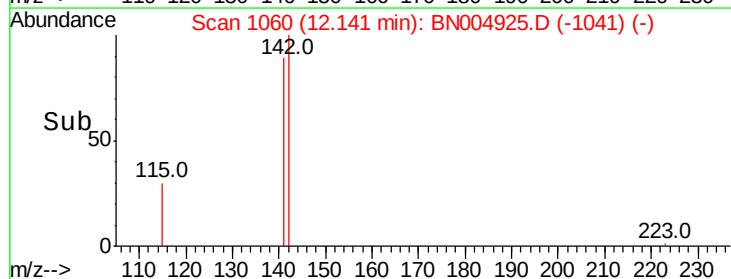
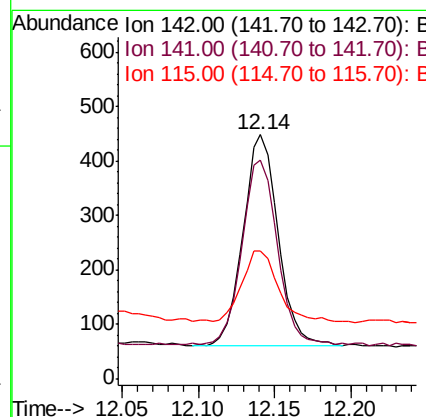
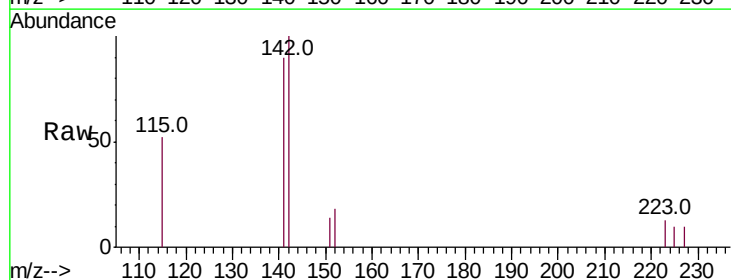
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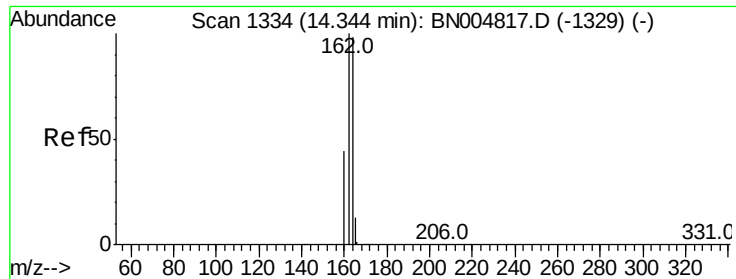
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#12
 2-Methylnaphthalene
 Concen: 0.028 ng
 RT: 12.14 min Scan# 1060
 Delta R.T. -0.01 min
 Lab File: BN004925.D
 Acq: 23 Mar 2019 17:54

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.4	107.2
115	52.0	27.5	41.3





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN004925.D

Acq: 23 Mar 2019 17:54

Instrument :

BNA_N

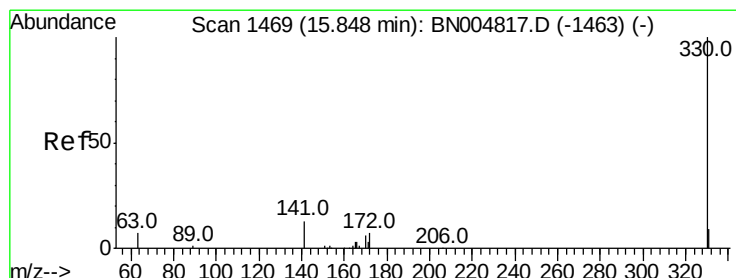
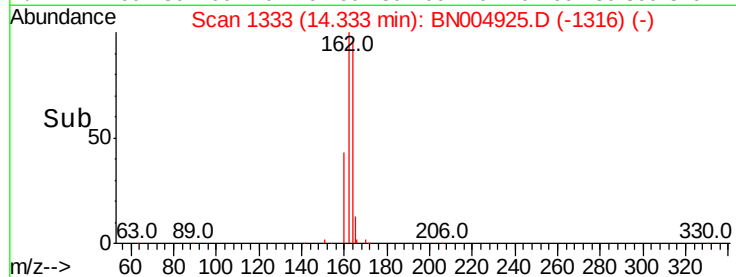
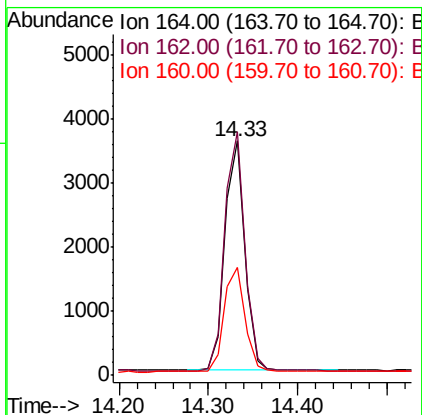
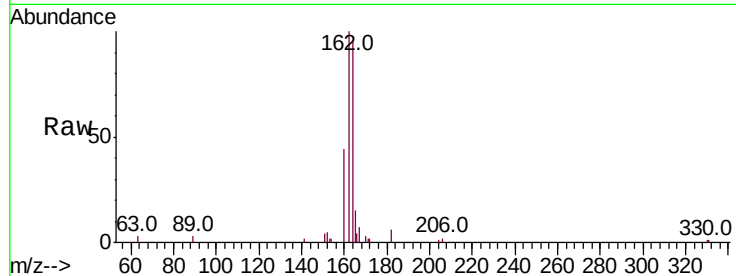
ClientSampleId :

PST-025-SW080-031319

Tot Ion:	164	Resp:	5559
Ion Ratio	Lower	Upper	
164	100		
162	103.9	81.9	122.9
160	46.2	36.6	54.8

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#14

2,4,6-Tribromophenol

Concen: 0.391 ng

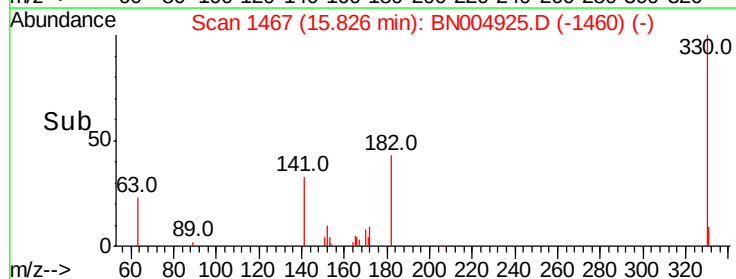
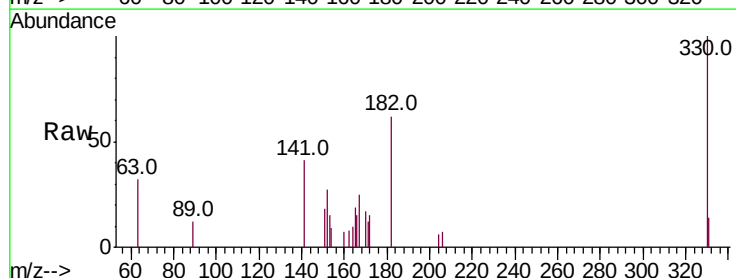
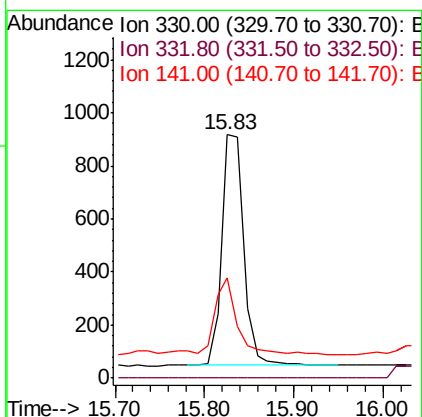
RT: 15.83 min Scan# 1467

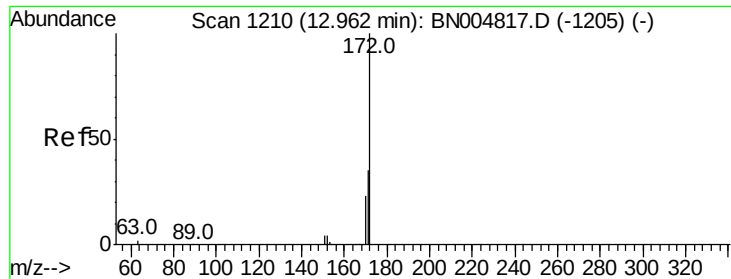
Delta R.T. -0.02 min

Lab File: BN004925.D

Acq: 23 Mar 2019 17:54

Tgt Ion:	330	Resp:	1502
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	35.5	20.9	31.3#





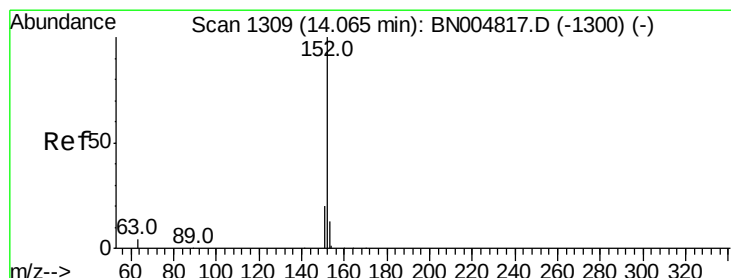
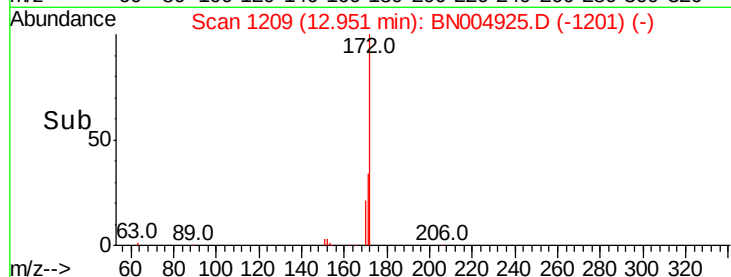
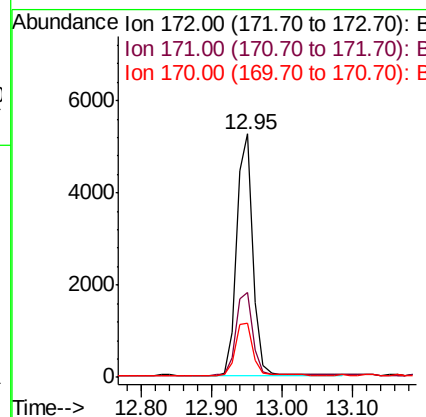
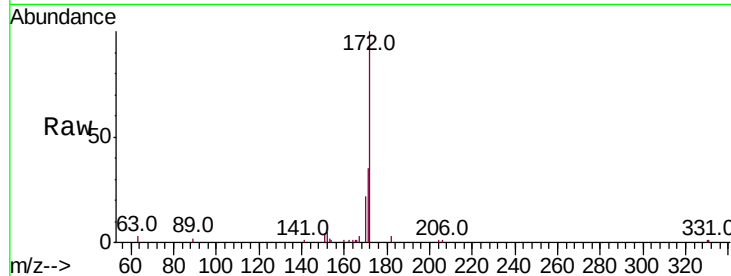
#15
2-Fluorobiphenyl
Concen: 0.367 ng
RT: 12.95 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BN004925.D
Acq: 23 Mar 2019 17:54

Instrument :
BNA_N
ClientSampleId :
PST-025-SW080-031319

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.7	43.1
170	22.2	18.7	28.1

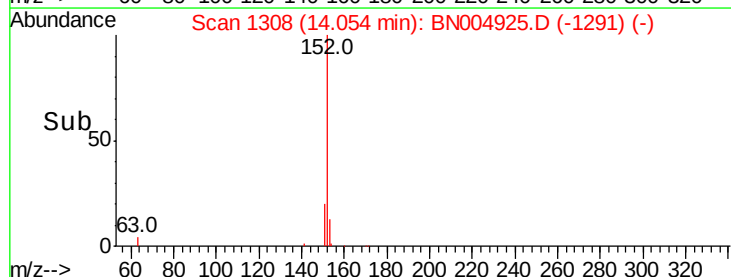
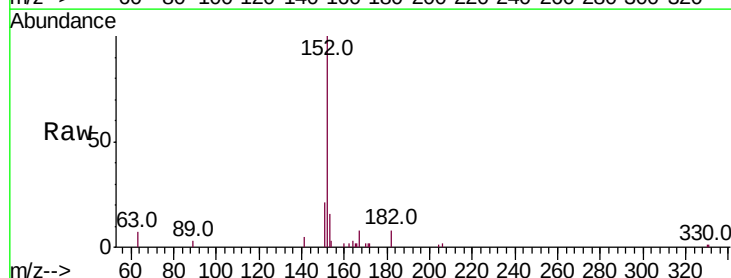
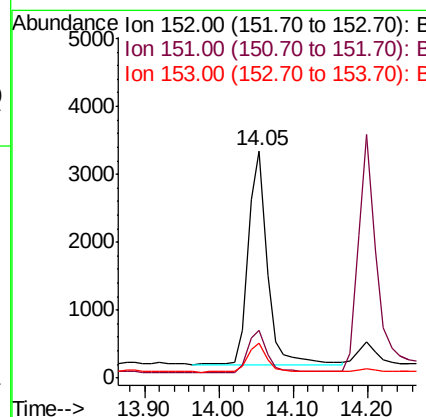
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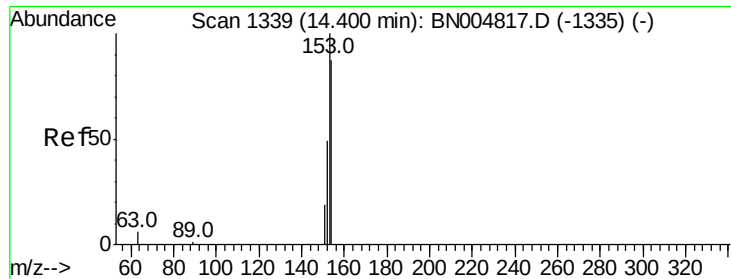
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#16
Acenaphthylene
Concen: 0.194 ng
RT: 14.05 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BN004925.D
Acq: 23 Mar 2019 17:54

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.1	24.1
153	13.9	10.5	15.7





#17

Acenaphthene

Concen: 0.031 ng

RT: 14.39 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BN004925.D

Acq: 23 Mar 2019 17:54

Instrument :

BNA_N

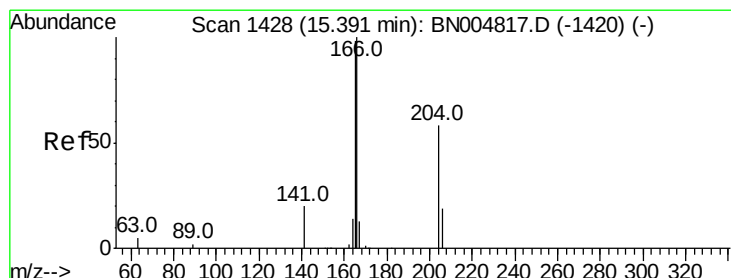
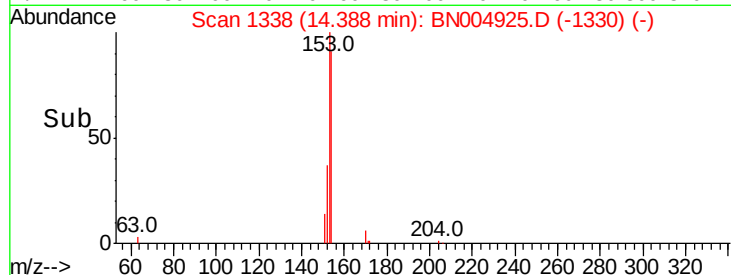
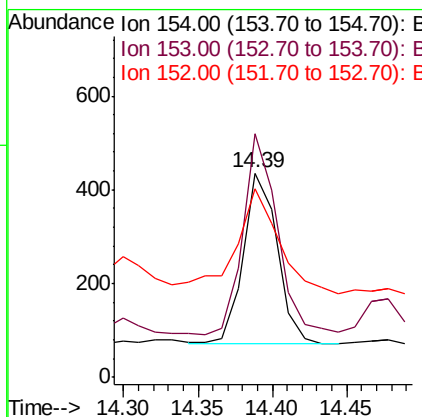
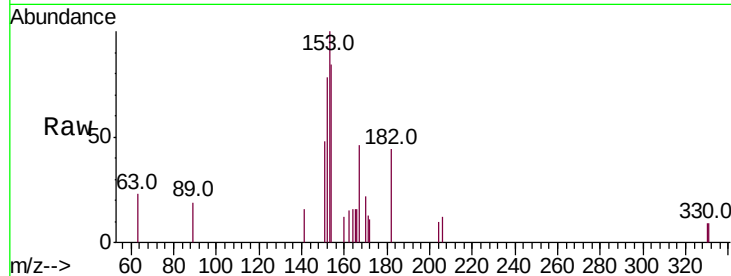
ClientSampleId :

PST-025-SW080-031319

Tot Ion:	154	Resp:	574
Ion Ratio	Lower	Upper	
154	100		
153	116.7	91.4	137.2
152	81.0	44.2	66.2#

Manual Integrations
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#18

Fluorene

Concen: 0.055 ng

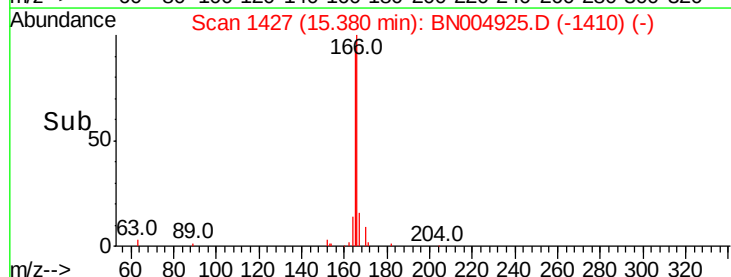
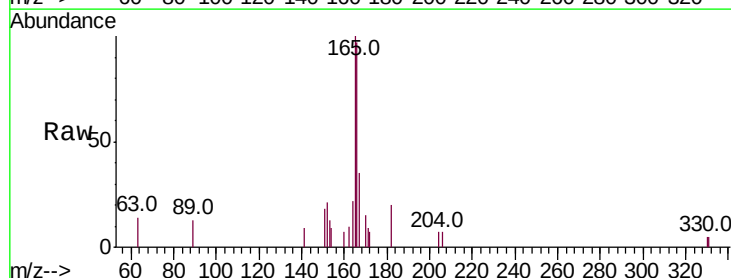
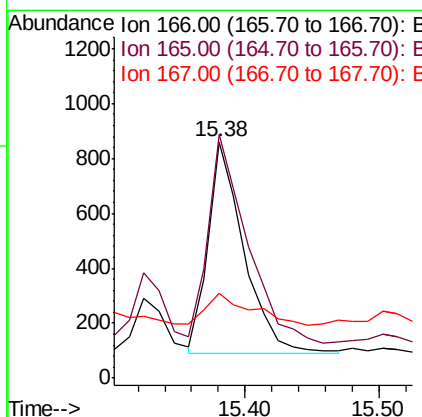
RT: 15.38 min Scan# 1427

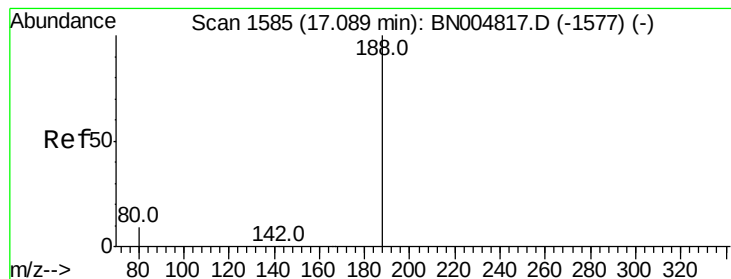
Delta R.T. -0.01 min

Lab File: BN004925.D

Acq: 23 Mar 2019 17:54

Tgt Ion:	166	Resp:	1429
Ion Ratio	Lower	Upper	
166	100		
165	108.1	78.2	117.4
167	19.9	11.0	16.4#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.08 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BN004925.D

Acq: 23 Mar 2019 17:54

Instrument :

BNA_N

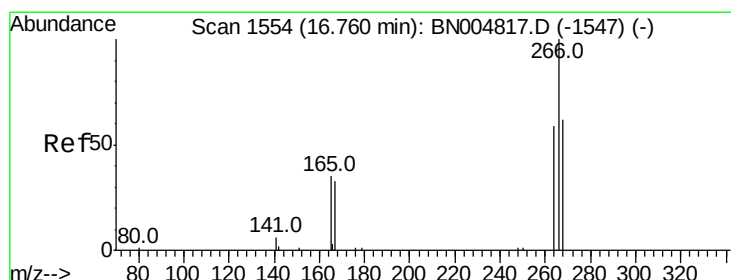
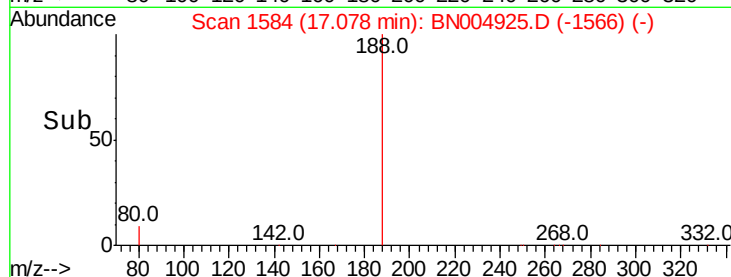
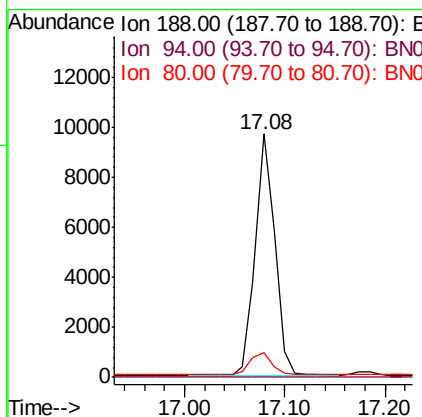
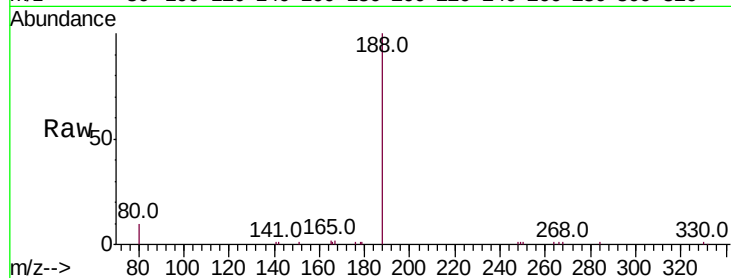
ClientSampleId :

PST-025-SW080-031319

Tot Ion:	188	Resp:	13303
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	10.1	7.4	11.2

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#22

Pentachlorophenol

Concen: 0.035 ng

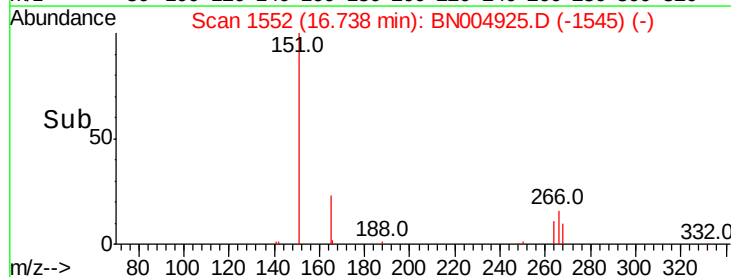
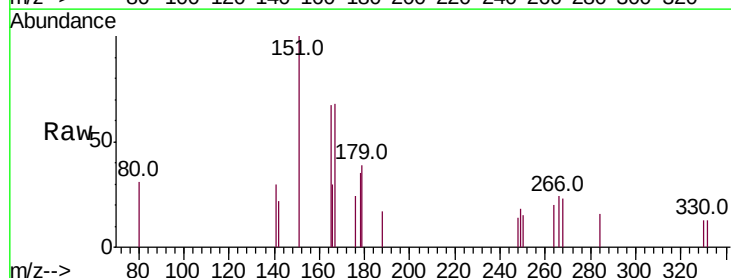
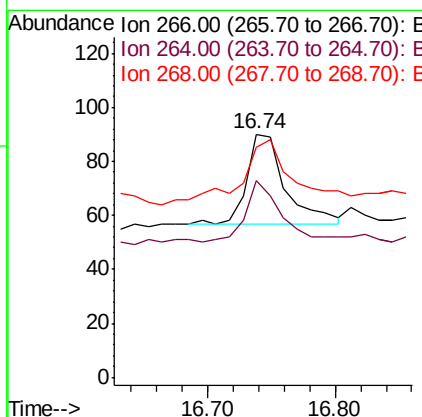
RT: 16.74 min Scan# 1552

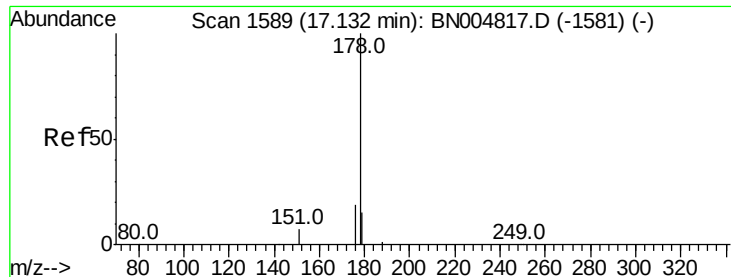
Delta R.T. -0.02 min

Lab File: BN004925.D

Acq: 23 Mar 2019 17:54

Tgt Ion:	266	Resp:	69
Ion Ratio	Lower	Upper	
266	100		
264	81.1	53.1	79.7#
268	94.4	57.7	86.5#





#23

Phenanthrene

Concen: 0.801 ng

RT: 17.12 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BN004925.D

Acq: 23 Mar 2019 17:54

Instrument :

BNA_N

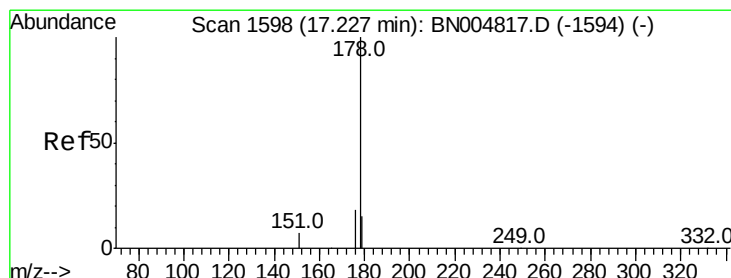
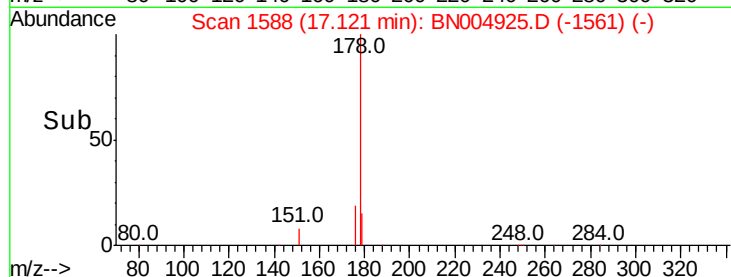
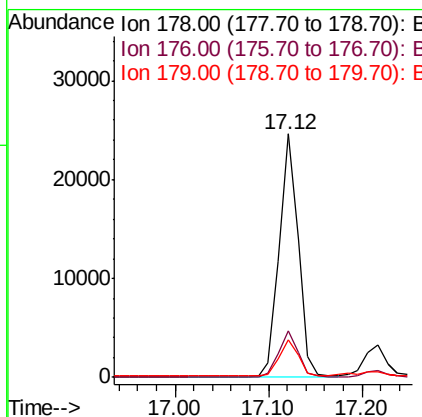
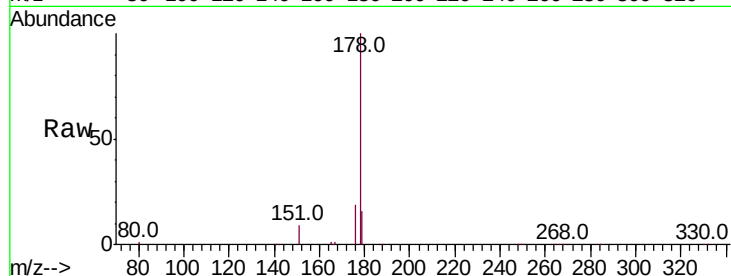
ClientSampleId :

PST-025-SW080-031319

Tot Ion:178	Resp:	34386
Ion Ratio	Lower	Upper
178	100	
176	18.9	14.9 22.3
179	15.5	12.1 18.1

Manual Integrations
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#24

Anthracene

Concen: 0.120 ng

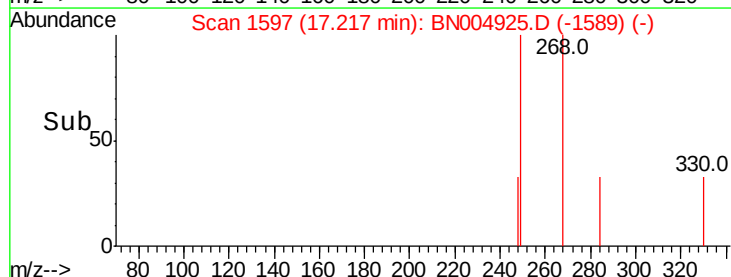
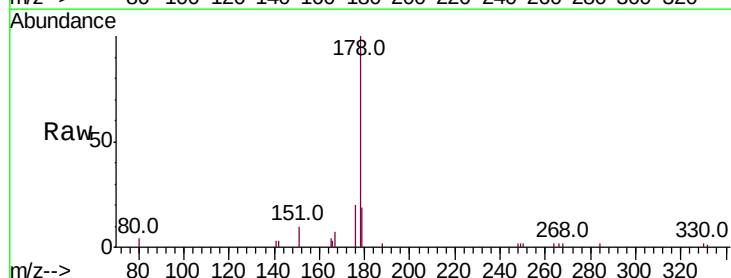
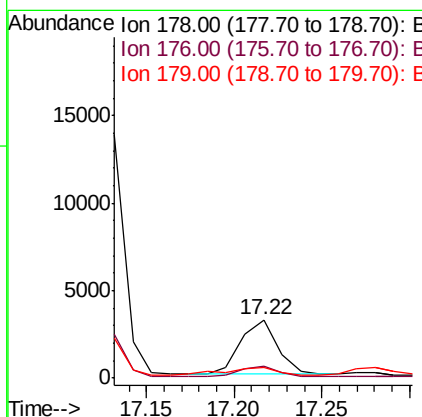
RT: 17.22 min Scan# 1597

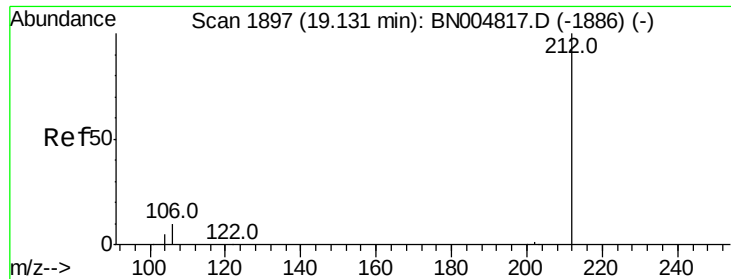
Delta R.T. -0.01 min

Lab File: BN004925.D

Acq: 23 Mar 2019 17:54

Tgt Ion:178	Resp:	4601
Ion Ratio	Lower	Upper
178	100	
176	19.4	14.5 21.7
179	19.3	12.2 18.4#





#25

Fluoranthene-d10

Concen: 0.346 ng

RT: 19.12 min Scan# 1894

Delta R.T. -0.01 min

Lab File: BN004925.D

Acq: 23 Mar 2019 17:54

Instrument :

BNA_N

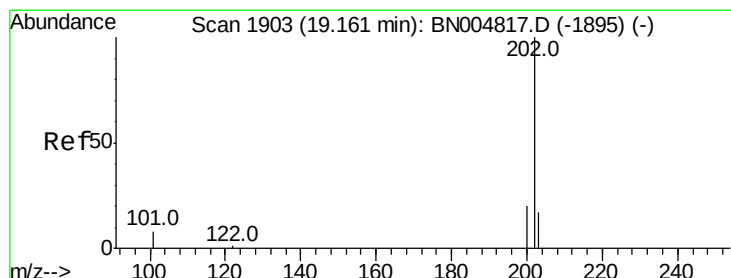
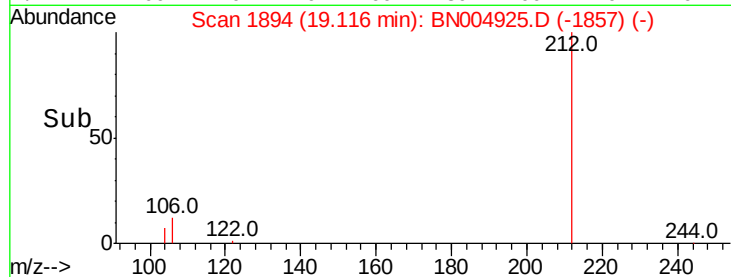
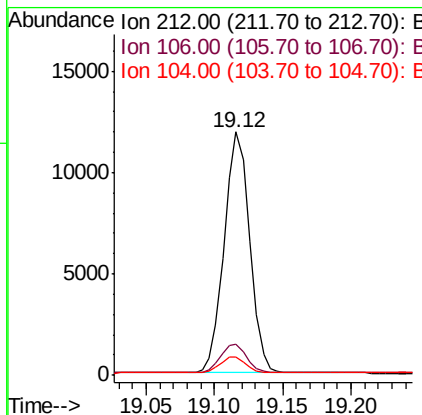
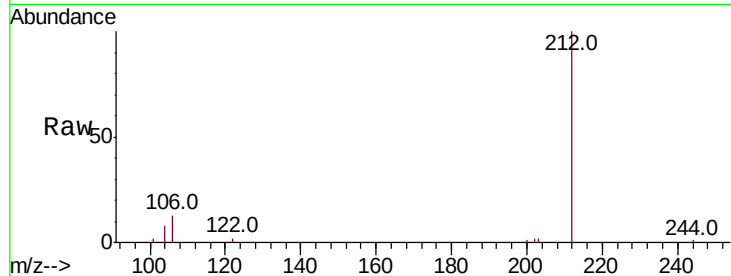
ClientSampleId :

PST-025-SW080-031319

Tot Ion:	212	Resp:	15394
Ion Ratio	Lower	Upper	
212	100		
106	12.3	8.6	13.0
104	6.8	4.7	7.1

Manual Integrations
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#26

Fluoranthene

Concen: 1.258 ng

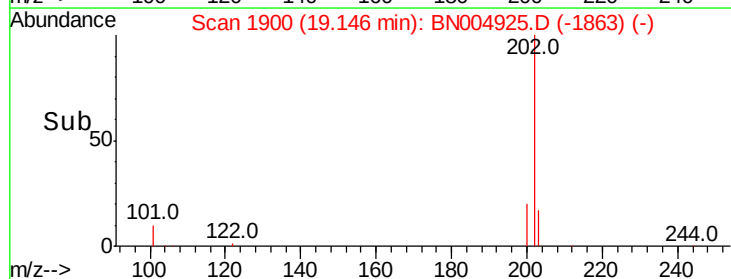
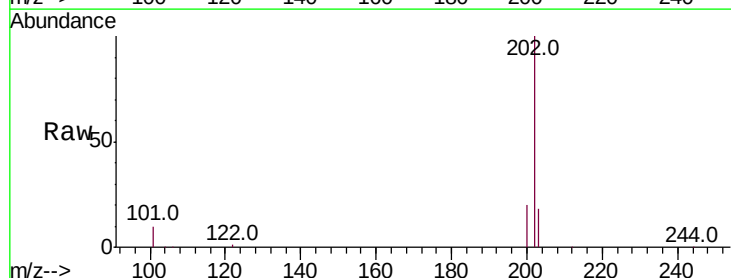
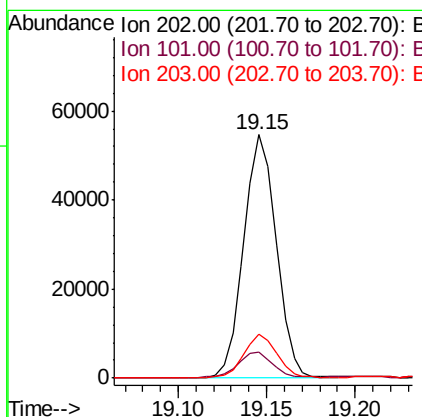
RT: 19.15 min Scan# 1900

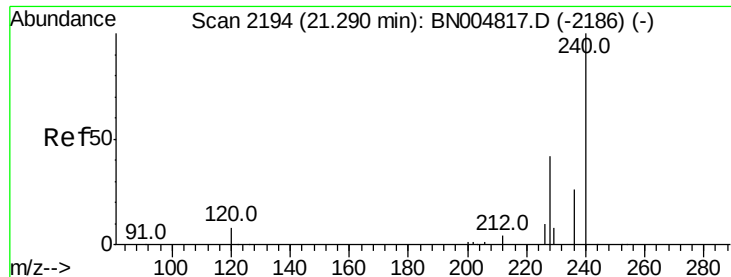
Delta R.T. -0.01 min

Lab File: BN004925.D

Acq: 23 Mar 2019 17:54

Tgt Ion:	202	Resp:	69432
Ion Ratio	Lower	Upper	
202	100		
101	10.8	7.5	11.3
203	17.5	13.8	20.6





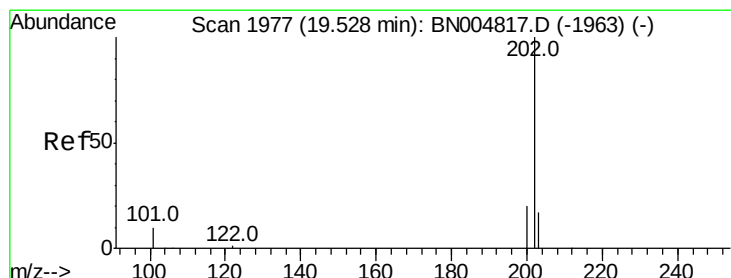
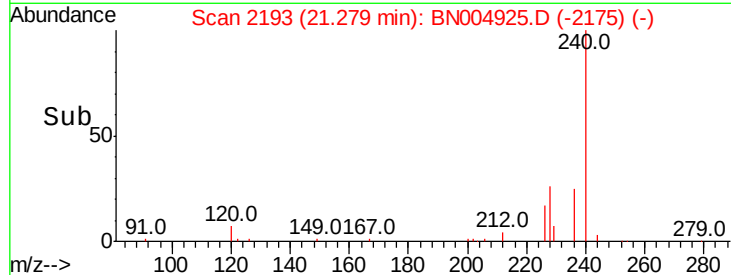
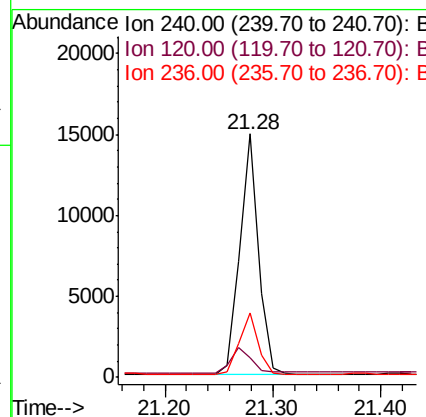
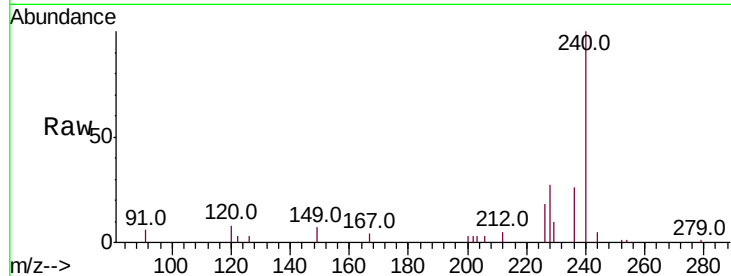
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BN004925.D
Acq: 23 Mar 2019 17:54

Instrument :
BNA_N
ClientSampleId :
PST-025-SW080-031319

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.3	7.2	10.8
236	26.4	20.9	31.3

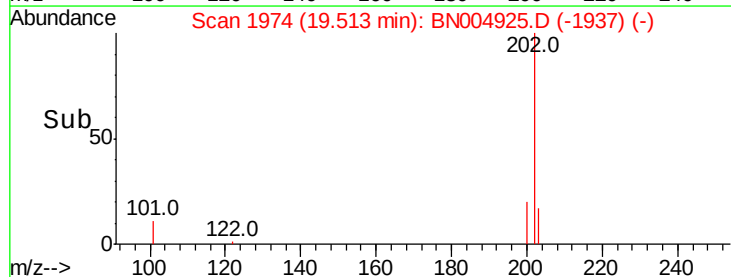
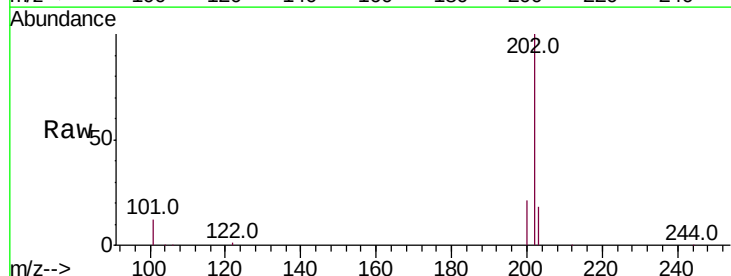
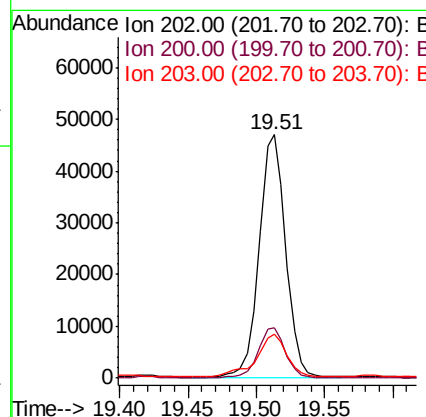
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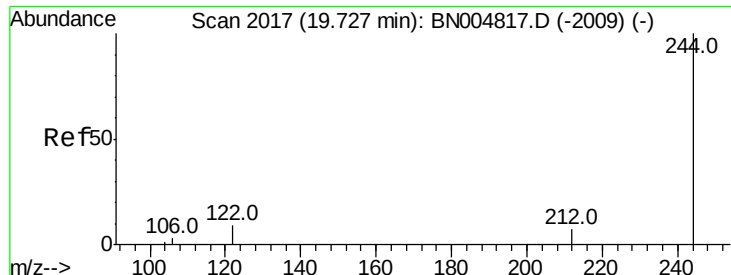
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#28
Pyrene
Concen: 1.155 ng
RT: 19.51 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BN004925.D
Acq: 23 Mar 2019 17:54

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.3	24.5
203	20.4	14.0	21.0





#29

Terphenyl-d14

Concen: 0.266 ng

RT: 19.72 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BN004925.D

Acq: 23 Mar 2019 17:54

Instrument :

BNA_N

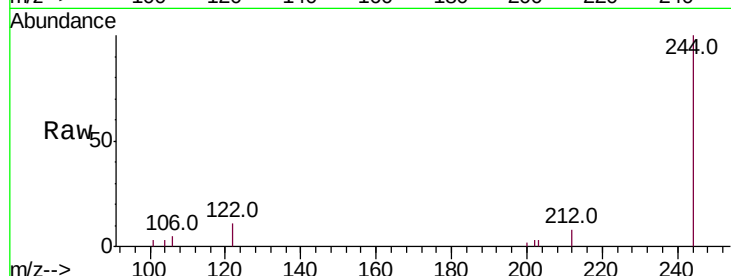
ClientSampleId :

PST-025-SW080-031319

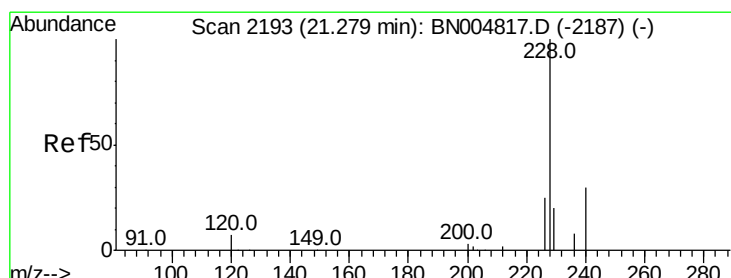
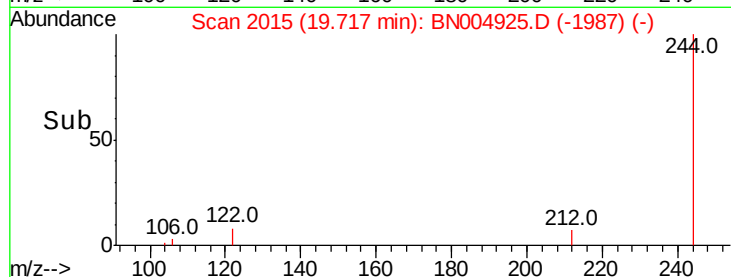
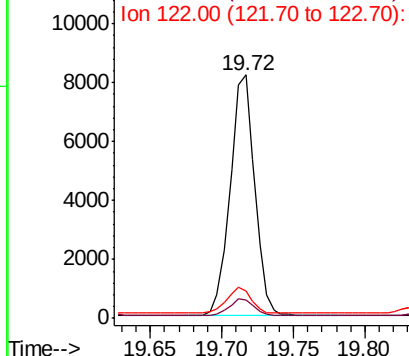
Tot Ion:	244	Resp:	9758
Ion Ratio	Lower	Upper	
244	100		
212	7.8	5.8	8.6
122	11.1	7.9	11.9

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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: 0.548 ng

RT: 21.26 min Scan# 2191

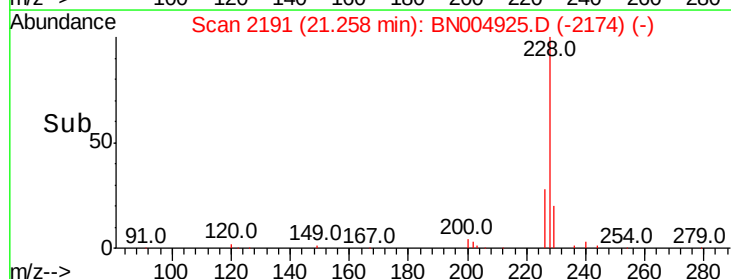
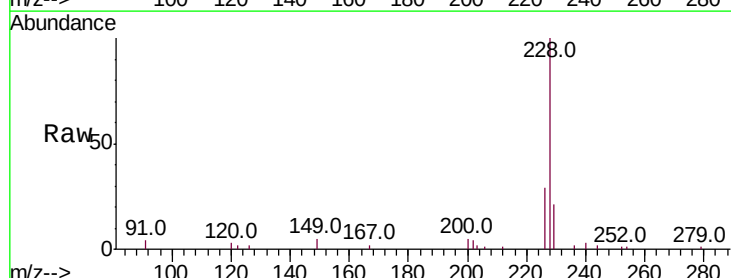
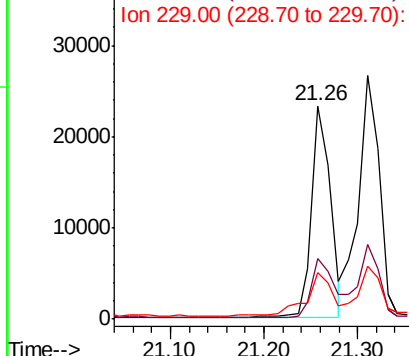
Delta R.T. -0.02 min

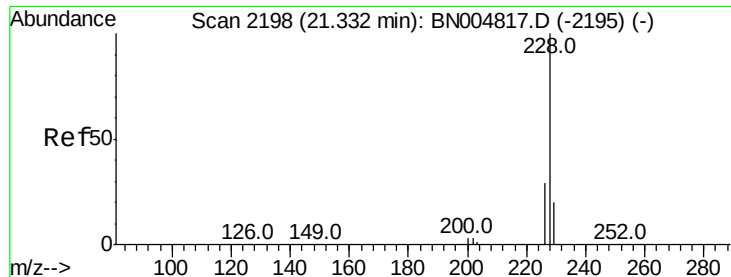
Lab File: BN004925.D

Acq: 23 Mar 2019 17:54

Tgt Ion:	228	Resp:	32253
Ion Ratio	Lower	Upper	
228	100		
226	28.6	20.6	31.0
229	21.5	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





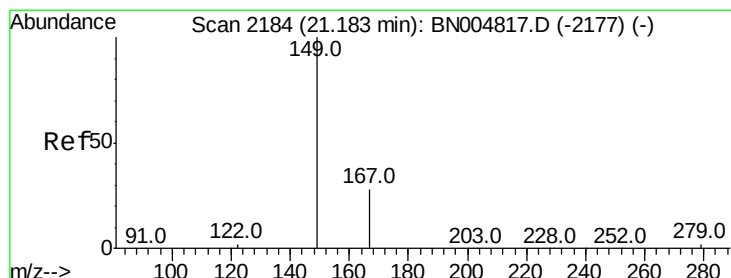
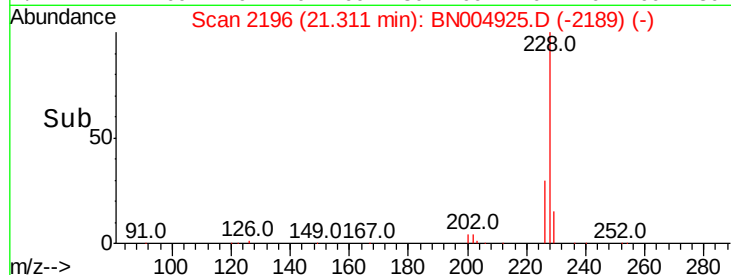
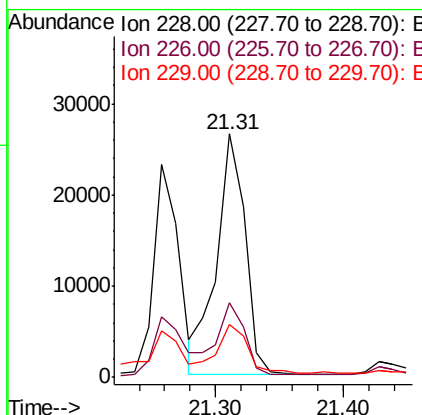
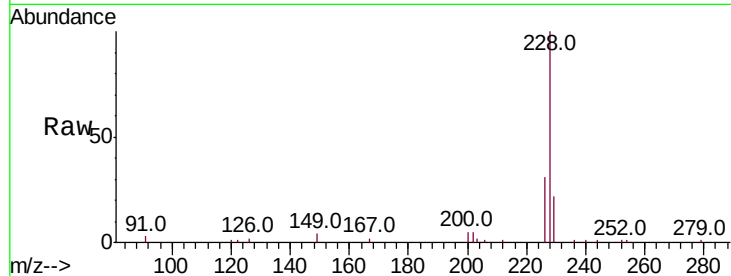
#31
Chrysene
Concen: 0.660 ng
RT: 21.31 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BN004925.D
Acq: 23 Mar 2019 17:54

Instrument :
BNA_N
ClientSampleId :
PST-025-SW080-031319

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.0	34.6
229	21.8	16.2	24.2

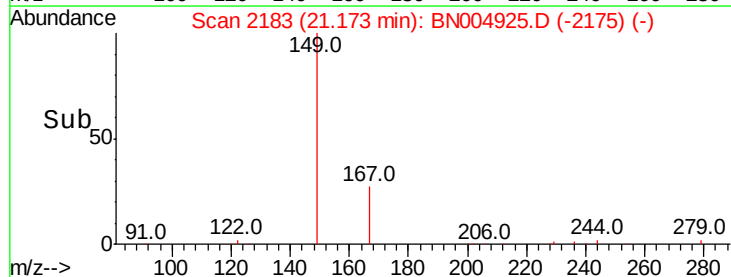
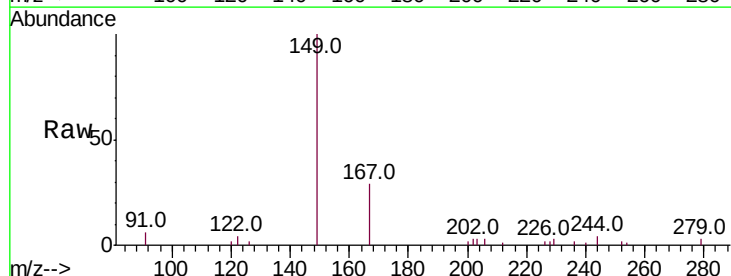
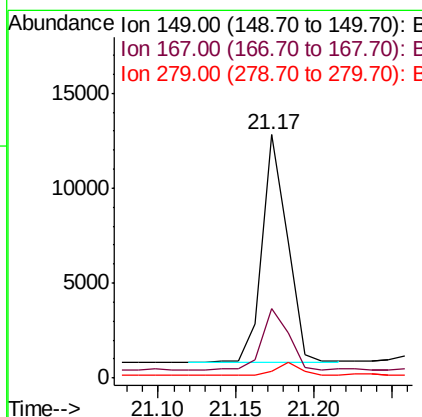
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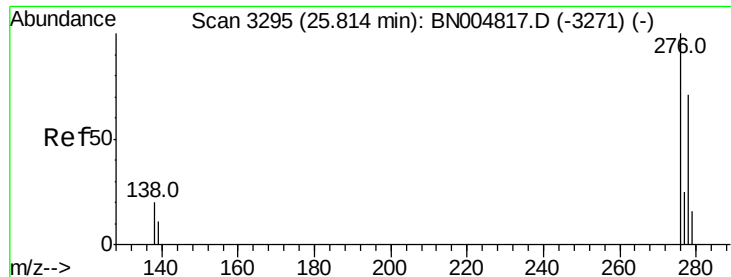
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#32
Bis(2-ethylhexyl)phthalate
Concen: 0.568 ng
RT: 21.17 min Scan# 2183
Delta R.T. -0.01 min
Lab File: BN004925.D
Acq: 23 Mar 2019 17:54

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.5	23.0	34.4
279	5.4	4.6	6.8





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.309 ng

RT: 25.79 min Scan# 3288

Delta R.T. -0.02 min

Lab File: BN004925.D

Acq: 23 Mar 2019 17:54

Instrument :

BNA_N

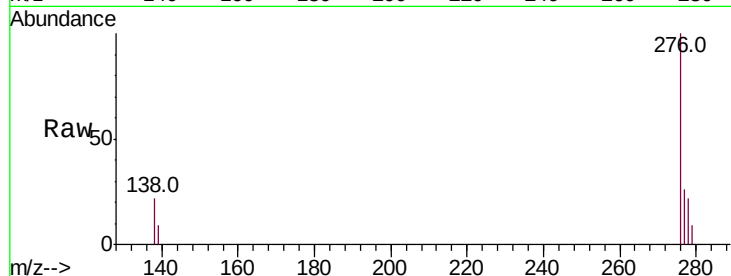
ClientSampleId :

PST-025-SW080-031319

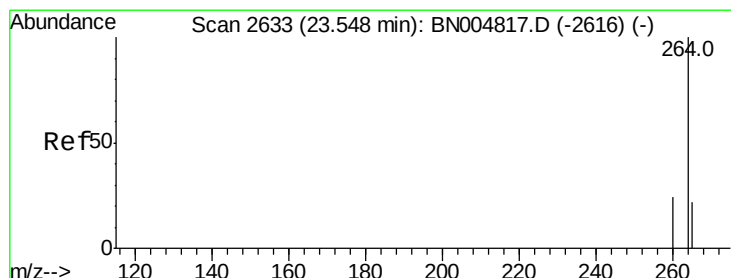
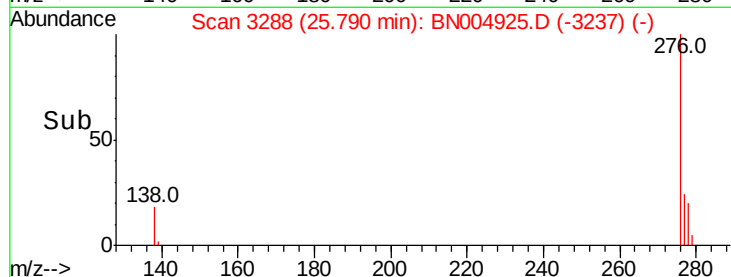
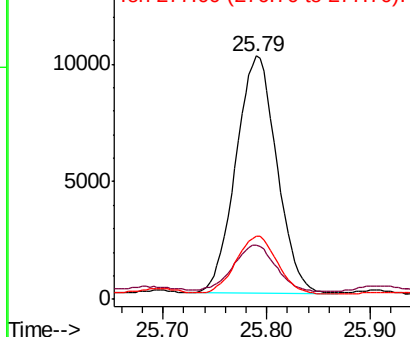
Tot Ion:	276	Resp:	27769
Ion Ratio	Lower	Upper	
276	100		
138	20.3	16.6	24.8
277	24.7	20.3	30.5

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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.53 min Scan# 2627

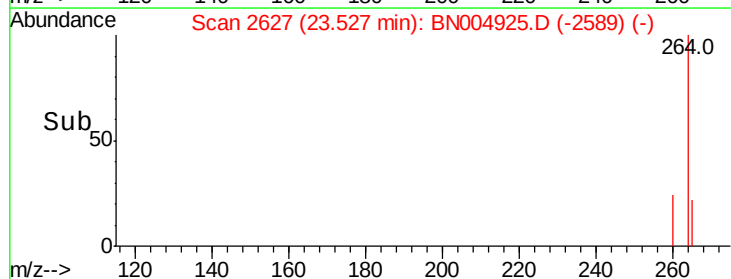
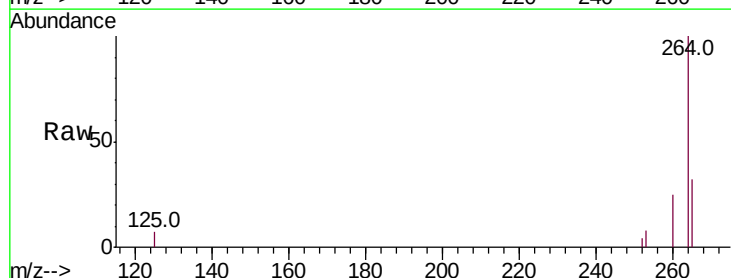
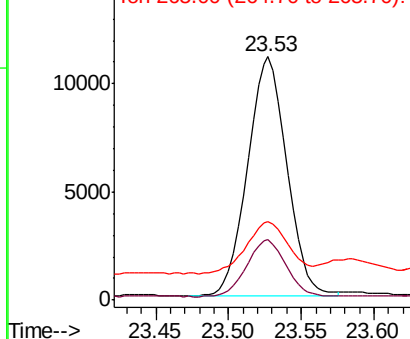
Delta R.T. -0.02 min

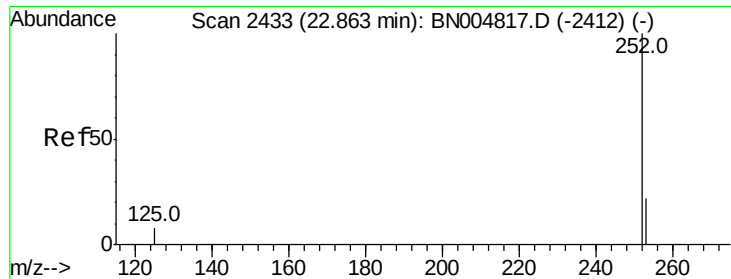
Lab File: BN004925.D

Acq: 23 Mar 2019 17:54

Tgt Ion:	264	Resp:	20753
Ion Ratio	Lower	Upper	
264	100		
260	25.1	19.5	29.3
265	32.2	23.1	34.7

Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





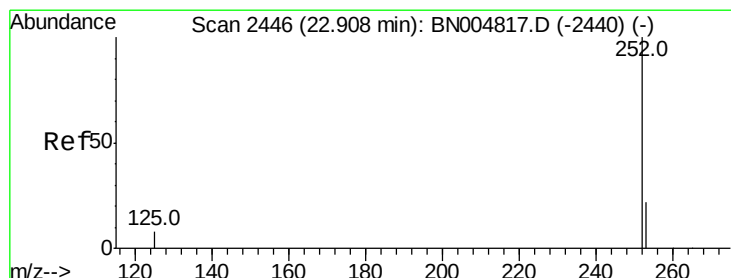
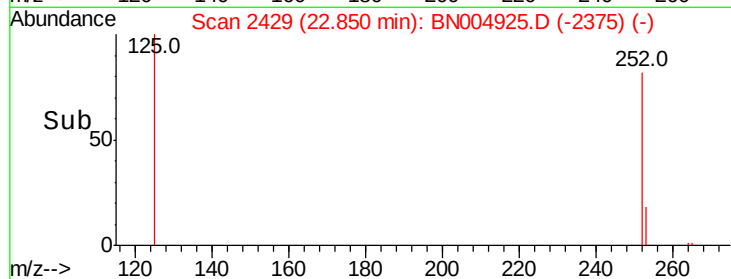
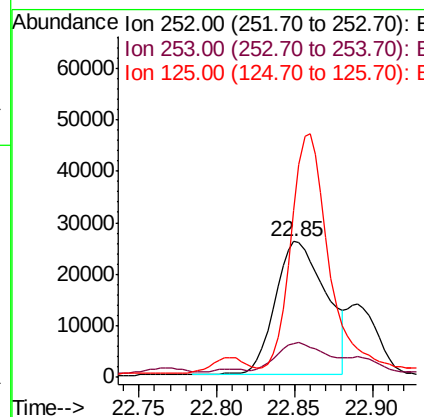
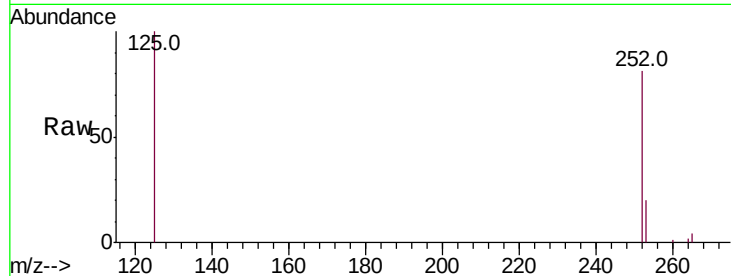
#35
Benzo(b)fluoranthene
Concen: 0.786 ng
RT: 22.85 min Scan# 2429
Delta R.T. -0.01 min
Lab File: BN004925.D
Acq: 23 Mar 2019 17:54

Instrument :
BNA_N
ClientSampleId :
PST-025-SW080-031319

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	19.0	28.4
125	123.3	7.4	11.2

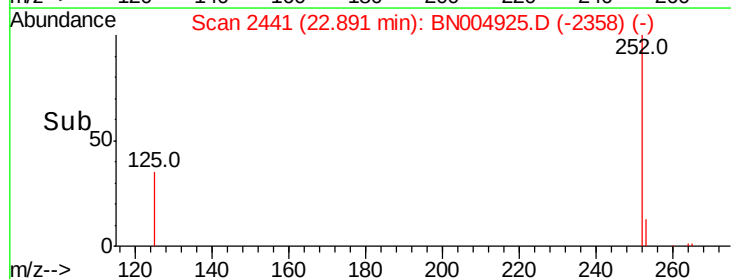
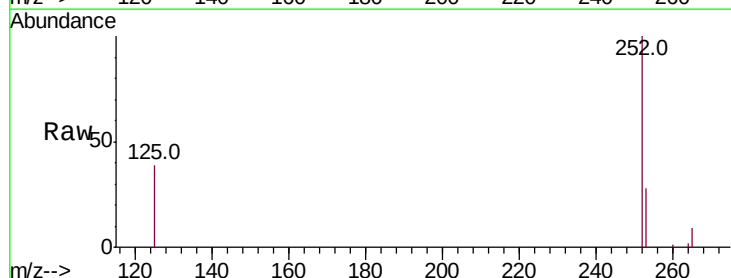
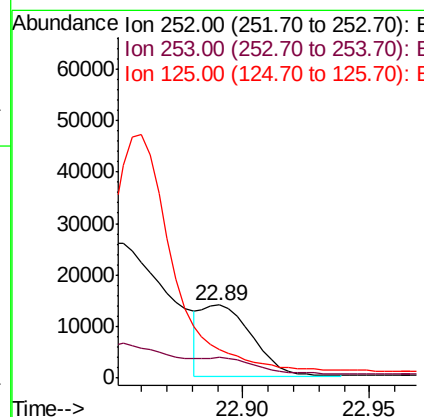
Manual Integrations
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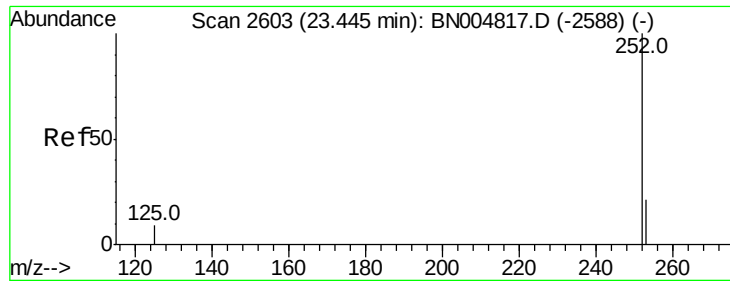
Sohil
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#36
Benzo(k)fluoranthene
Concen: 0.264 ng m
RT: 22.89 min Scan# 2441
Delta R.T. -0.02 min
Lab File: BN004925.D
Acq: 23 Mar 2019 17:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.8	19.3	28.9
125	38.9	7.4	11.0





#37

Benzo(a)pyrene

Concen: 0.531 ng

RT: 23.43 min Scan# 2598

Delta R.T. -0.02 min

Lab File: BN004925.D

Acq: 23 Mar 2019 17:54

Instrument :

BNA_N

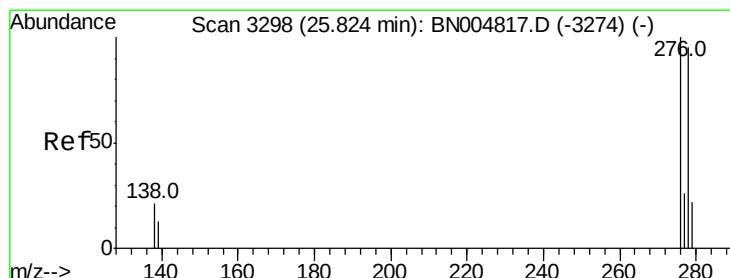
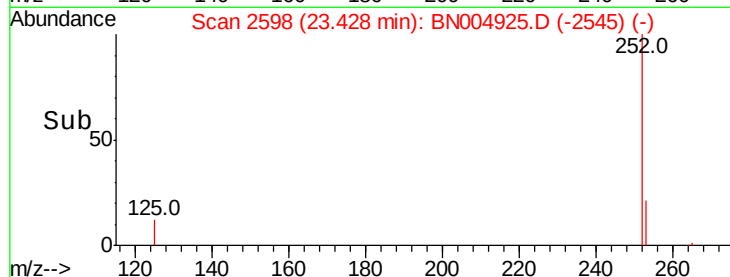
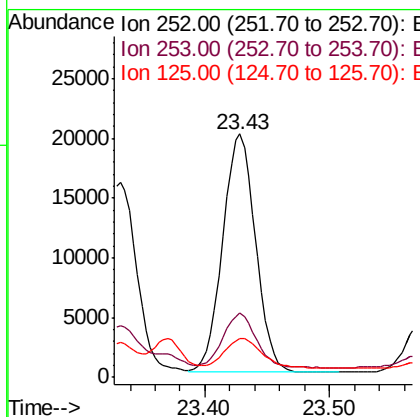
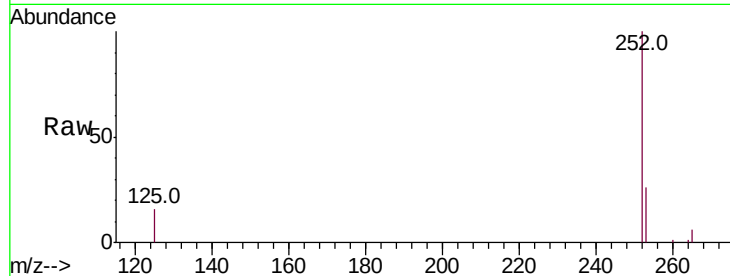
ClientSampleId :

PST-025-SW080-031319

Tot Ion:	252	Resp:	36558
Ion Ratio	Lower	Upper	
252	100		
253	26.3	19.7	29.5
125	15.8	8.3	12.5#

Manual Integrations
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#38

Dibenzo(a,h)anthracene

Concen: 0.090 ng

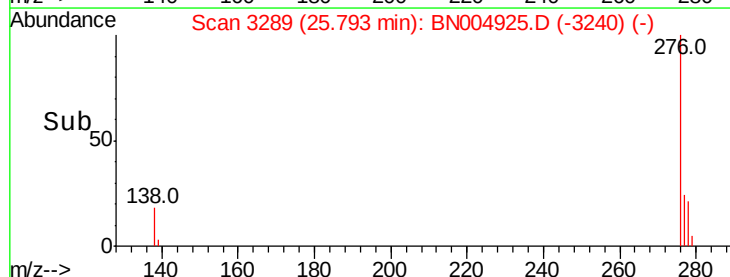
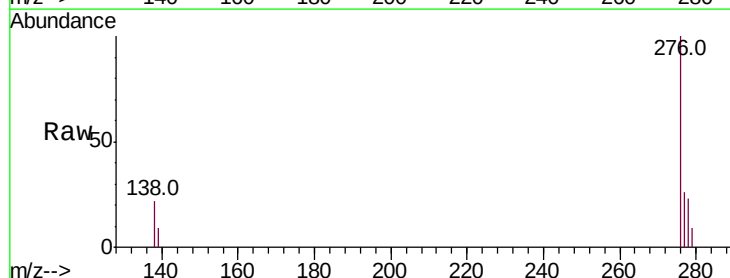
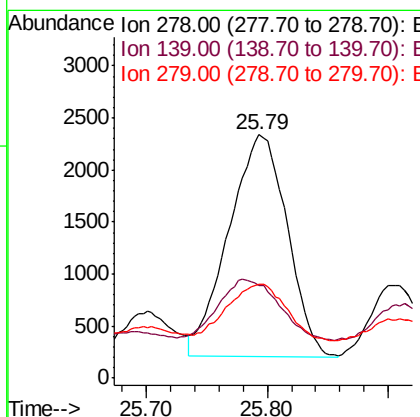
RT: 25.79 min Scan# 3289

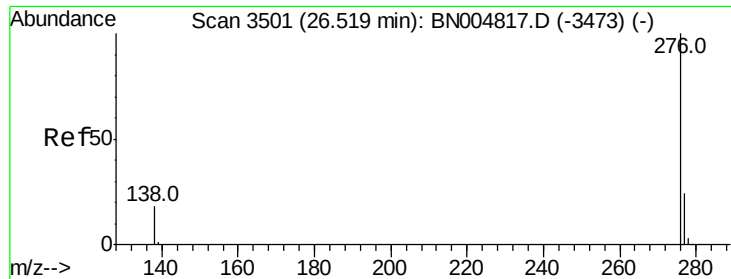
Delta R.T. -0.03 min

Lab File: BN004925.D

Acq: 23 Mar 2019 17:54

Tgt Ion:	278	Resp:	7144
Ion Ratio	Lower	Upper	
278	100		
139	38.2	11.7	17.5#
279	38.6	19.9	29.9#





#39

Benzo(a,h,i)perylene

Concen: 0.344 ng

RT: 26.49 min Scan# 3493

Delta R.T. -0.03 min

Lab File: BN004925.D

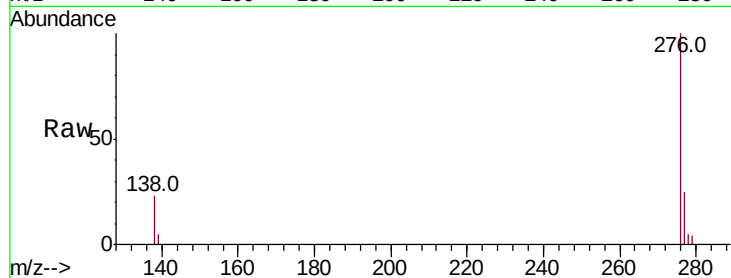
Acq: 23 Mar 2019 17:54

Instrument :

BNA_N

ClientSampleId :

PST-025-SW080-031319



Tot Ion:	276	Resp:	27993
Ion Ratio	Lower	Upper	
276	100		
277	25.3	19.7	29.5
138	22.5	14.6	22.0

Manual Integrations
APPROVED

Sohil
3/25/2019 1:34:31 PM

