

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082019\
 Data File : BN007279.D
 Acq On : 21 Aug 2019 04:50
 Operator : HP/JU
 Sample : K4282-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-035-B240-080819

Manual Integrations
 APPROVED

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 8/21/2019 4:06:58 PM

Quant Time: Aug 21 08:31:44 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 20 18:52:43 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.41	152	5619	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	21390	0.40	ng	0.00
13) Acenaphthene-d10	14.05	164	12300	0.40	ng	0.00
19) Phenanthrene-d10	16.81	188	28801	0.40	ng	0.00
27) Chrysene-d12	21.03	240	29600	0.40	ng	0.00
34) Perylene-d12	23.13	264	32947	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.04	112	5657	0.33	ng	0.00
5) Phenol-d6	6.60	99	7268	0.37	ng	0.00
8) Nitrobenzene-d5	8.54	82	5330	0.32	ng	0.00
11) 2-Methylnaphthalene-d10	11.77	152	12088	0.33	ng	0.00
14) 2,4,6-Tribromophenol	15.56	330	1158	0.17	ng	0.00
15) 2-Fluorobiphenyl	12.67	172	16142	0.31	ng	0.00
25) Fluoranthene-d10	18.85	212	27913	0.31	ng	0.00
29) Terphenyl-d14	19.47	244	21395	0.29	ng	0.00

Target Compounds

						Qvalue
16) Acenaphthylene	13.77	152	3419	0.052	ng	98
23) Phenanthrene	16.84	178	31409	0.348	ng	99
24) Anthracene	16.94	178	4236	0.052	ng	# 91
26) Fluoranthene	18.88	202	64055	0.586	ng	100
28) Pyrene	19.24	202	57345	0.518	ng	# 95
30) Benzo(a)anthracene	21.01	228	24869	0.226	ng	93
31) Chrysene	21.06	228	27151m	0.242	ng	
32) Bis(2-ethylhexyl)phthalate	20.97	149	14494	0.329	ng	98
33) Indeno(1,2,3-cd)pyrene	25.20	276	10565	0.078	ng	98
35) Benzo(b)fluoranthene	22.52	252	28845	0.235	ng	# 93
36) Benzo(k)fluoranthene	22.56	252	10794m	0.090	ng	
37) Benzo(a)pyrene	23.04	252	16719	0.151	ng	# 91
38) Dibenzo(a,h)anthracene	25.21	278	3048	0.026	ng	# 38
39) Benzo(g,h,i)perylene	25.82	276	10101	0.086	ng	# 91

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

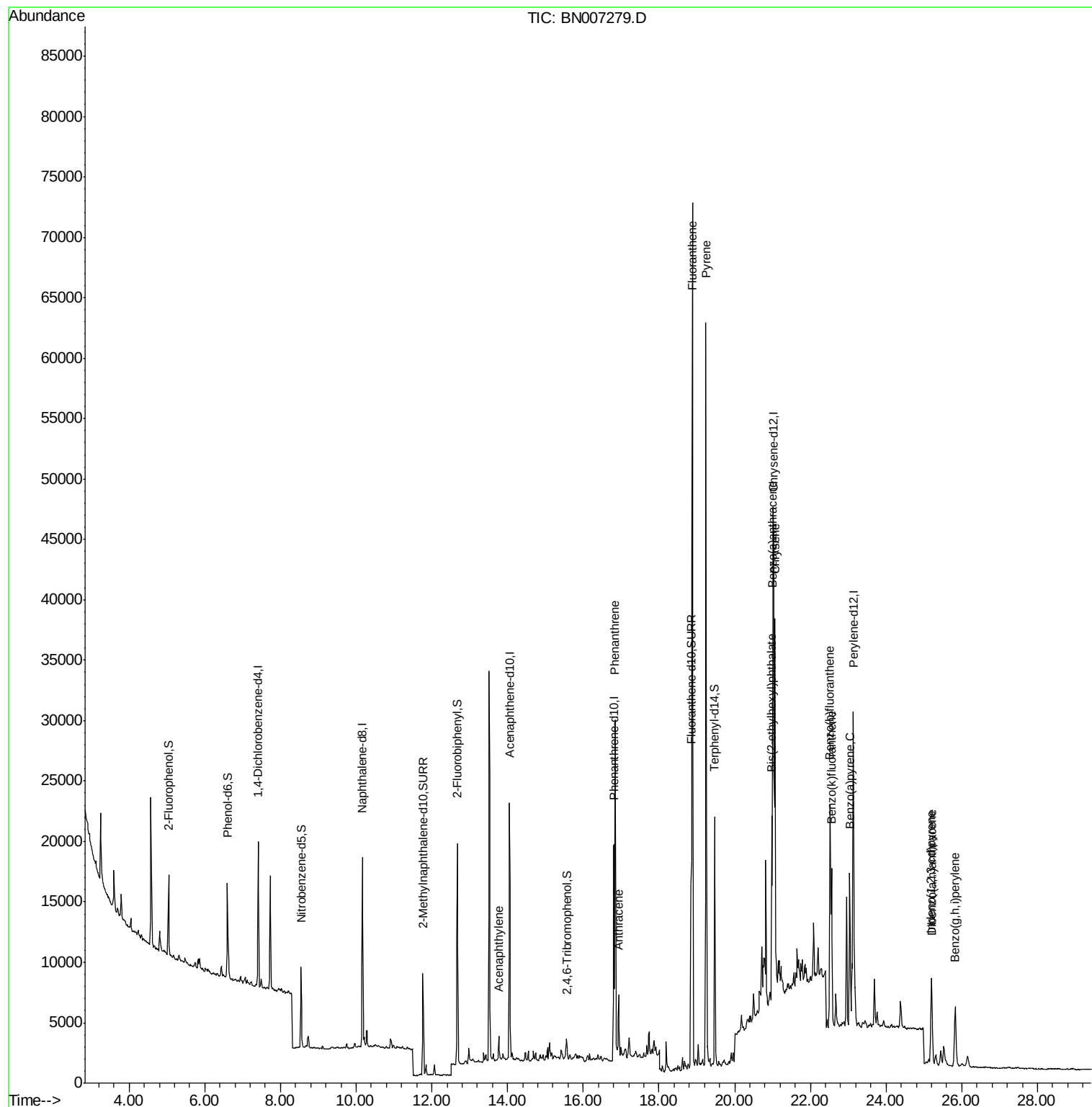
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082019\
Data File : BN007279.D
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Misc :
ALS Vial : 18 Sample Multiplier: 1

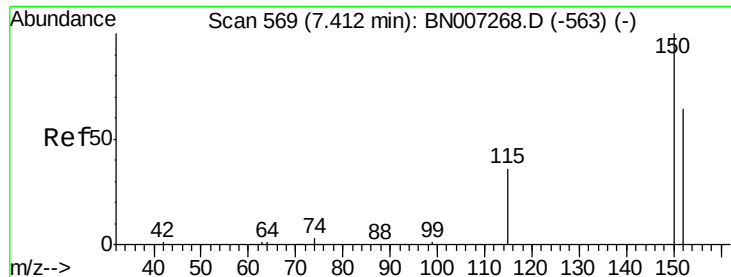
Instrument :
BNA_N
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PST-035-B240-080819

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#1

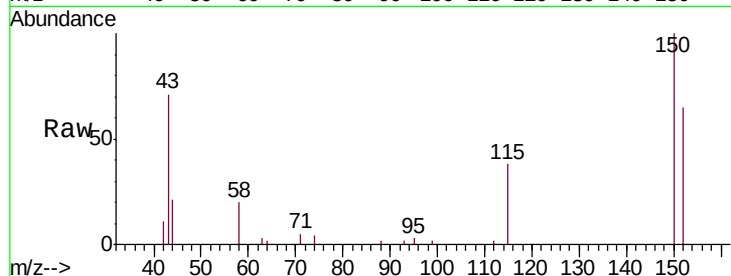
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.41 min Scan# 569
Delta R.T. 0.00 min
Lab File: BN007279.D
Acq: 21 Aug 2019 04:50

Instrument :
BNA_N
ClientSampleId :
PST-035-B240-080819

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.6	123.8	185.8
115	59.0	47.3	70.9

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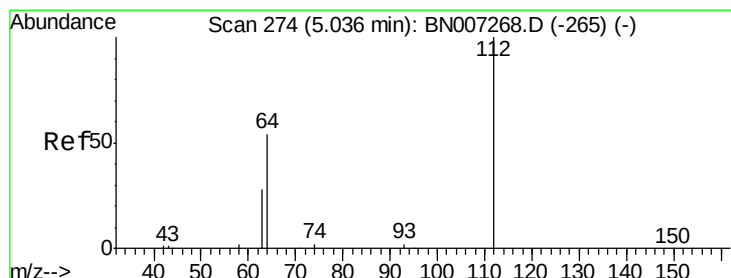
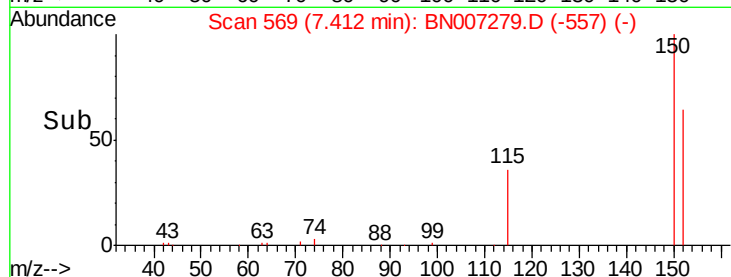
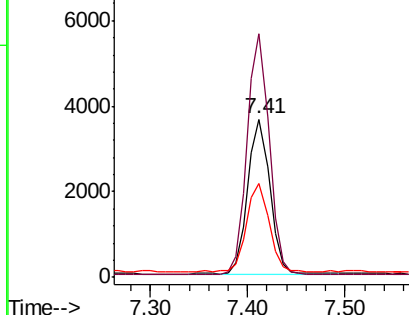


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

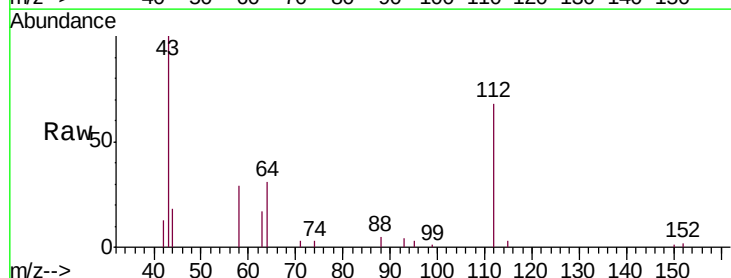
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.330 ng
RT: 5.04 min Scan# 275
Delta R.T. 0.01 min
Lab File: BN007279.D
Acq: 21 Aug 2019 04:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.1	41.8	62.8
63	28.0	22.6	34.0

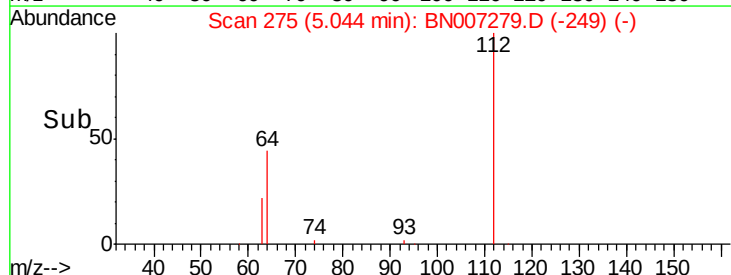
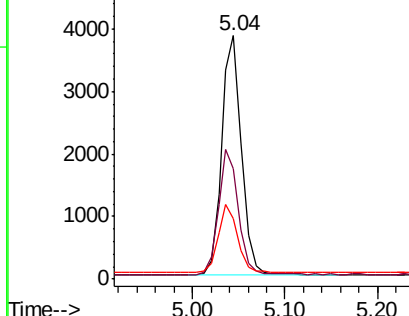


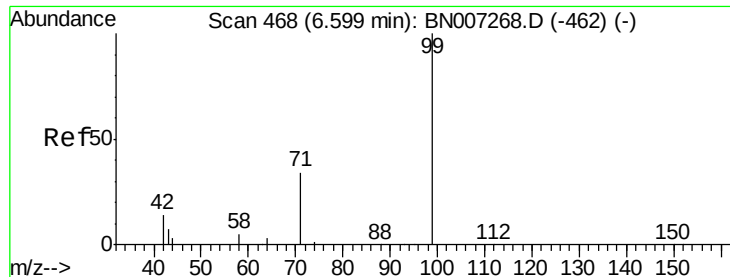
Abundance

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: 0.368 ng

RT: 6.60 min Scan# 468

Delta R.T. 0.00 min

Lab File: BN007279.D

Acq: 21 Aug 2019 04:50

Instrument :

BNA_N

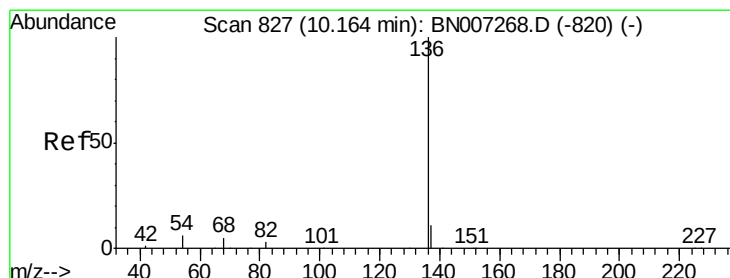
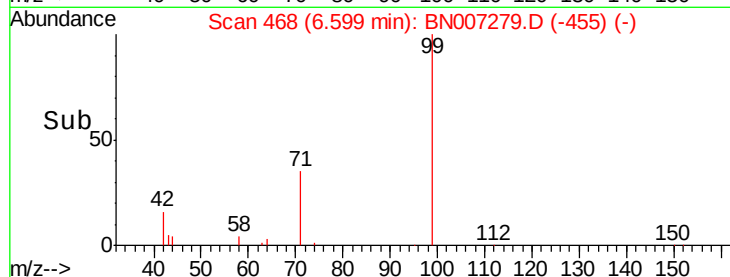
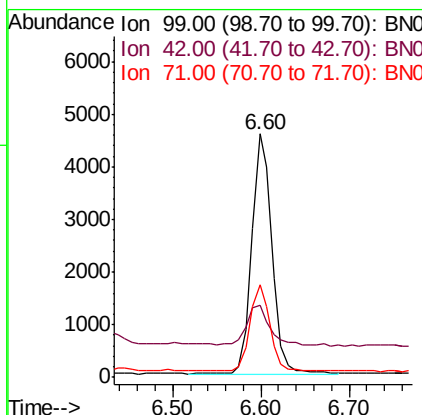
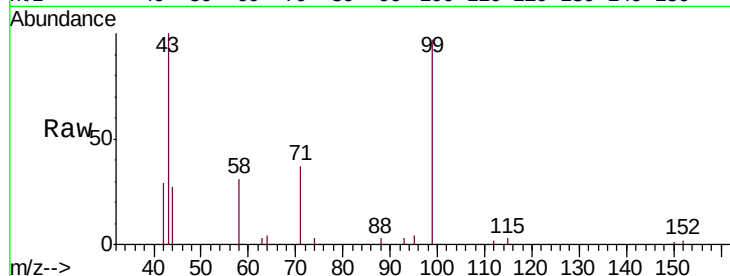
ClientSampleId :

PST-035-B240-080819

Tot Ion:	99	Resp:	7268
Ion	Ratio	Lower	Upper
99	100		
42	20.6	14.3	21.5
71	35.9	27.3	40.9

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#7

Naphthalene-d8

Concen: 0.400 ng

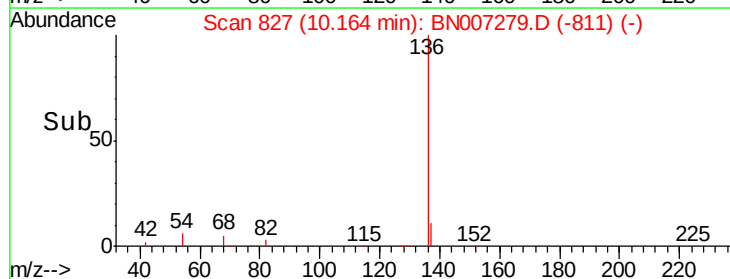
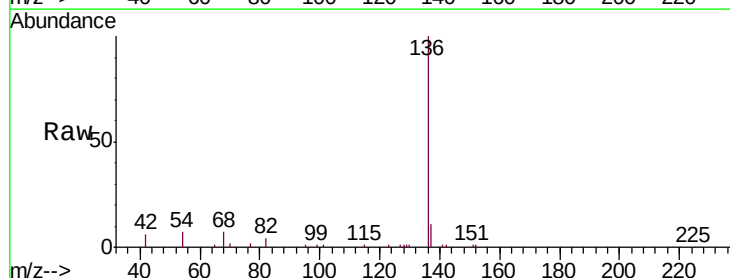
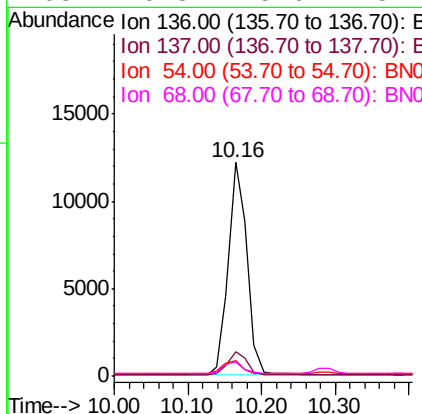
RT: 10.16 min Scan# 827

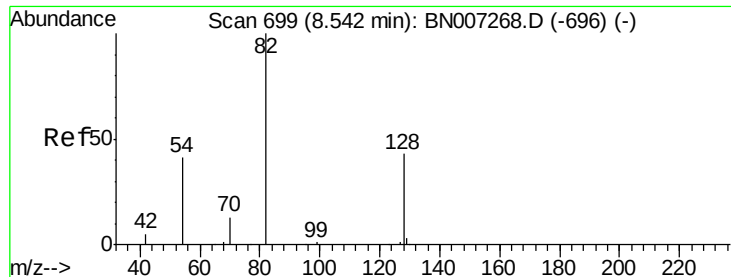
Delta R.T. 0.00 min

Lab File: BN007279.D

Acq: 21 Aug 2019 04:50

Tgt Ion:	136	Resp:	21390
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	7.1	5.9	8.9
68	6.8	5.6	8.4





#8

Nitrobenzene-d5

Concen: 0.325 ng

RT: 8.54 min Scan# 699

Delta R.T. 0.00 min

Lab File: BN007279.D

Acq: 21 Aug 2019 04:50

Instrument :

BNA_N

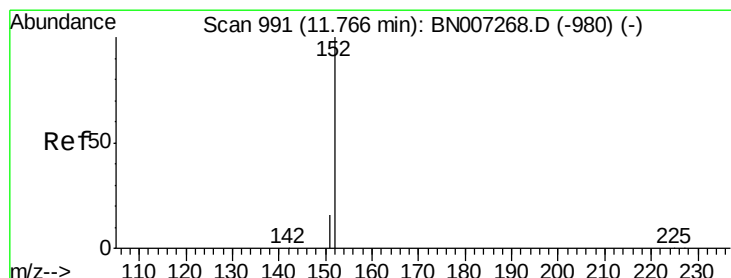
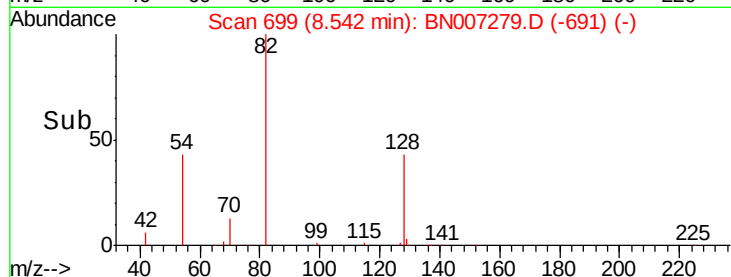
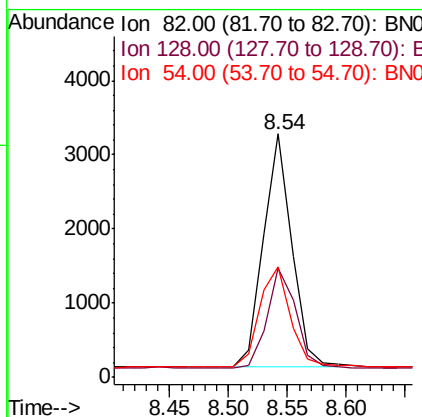
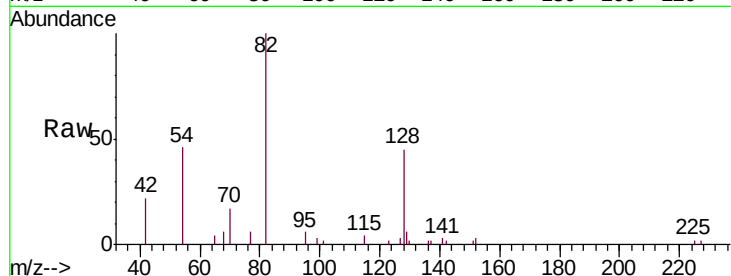
ClientSampleId :

PST-035-B240-080819

Tot Ion:	82	Resp:	5330
Ion Ratio	Lower	Upper	
82	100		
128	45.0	35.8	53.6
54	45.6	34.7	52.1

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#11

2-Methylnaphthalene-d10

Concen: 0.327 ng

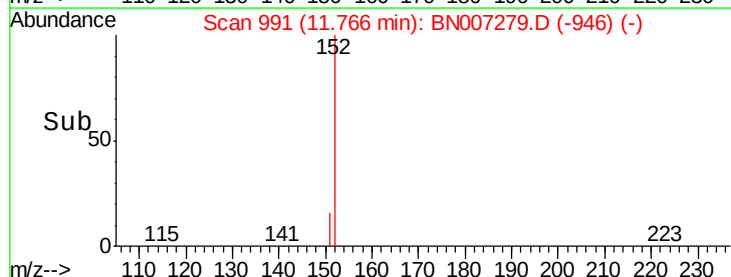
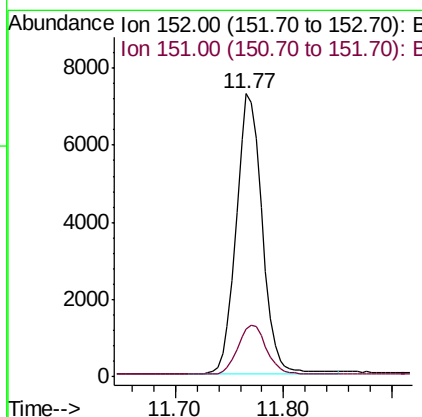
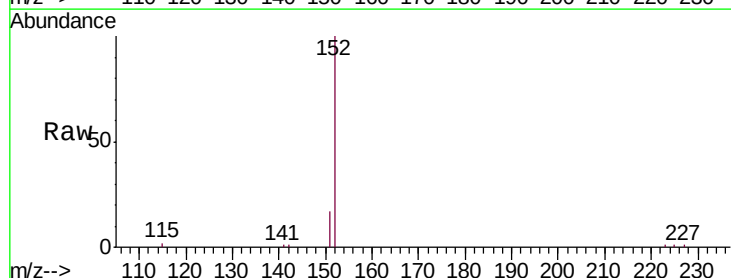
RT: 11.77 min Scan# 991

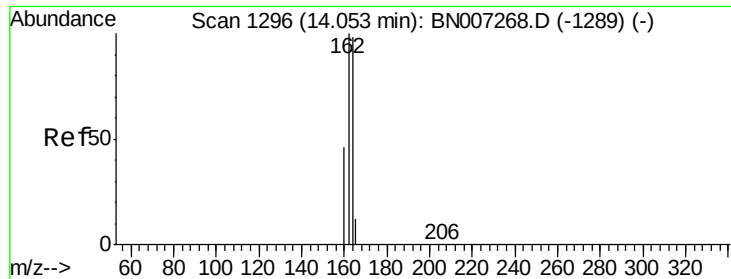
Delta R.T. 0.00 min

Lab File: BN007279.D

Acq: 21 Aug 2019 04:50

Tgt Ion:	152	Resp:	12088
Ion Ratio	Lower	Upper	
152	100		
151	19.3	15.2	22.8





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.05 min Scan# 1296

Delta R.T. 0.00 min

Lab File: BN007279.D

Acq: 21 Aug 2019 04:50

Instrument :

BNA_N

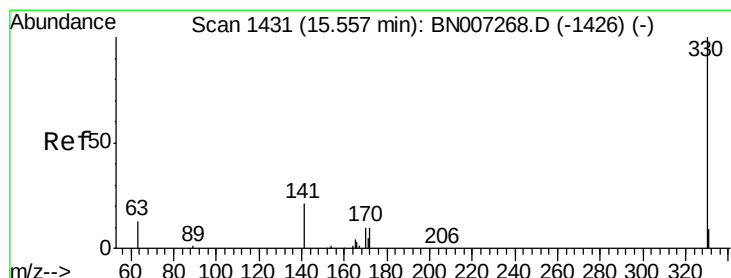
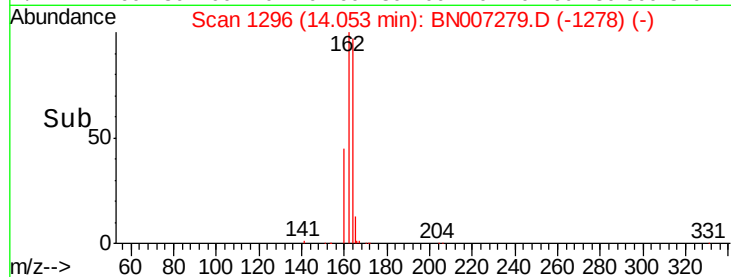
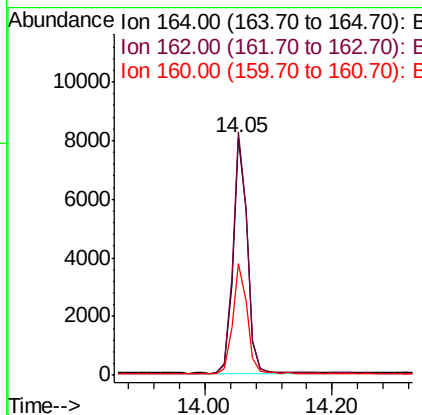
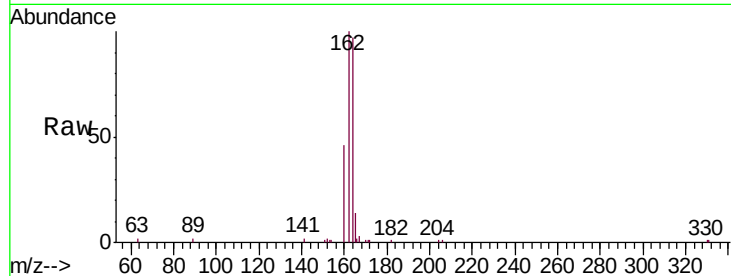
ClientSampleId :

PST-035-B240-080819

Tot Ion:	164	Resp:	12300
Ion	Ratio	Lower	Upper
164	100		
162	102.6	82.0	123.0
160	47.1	38.2	57.4

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#14

2,4,6-Tribromophenol

Concen: 0.168 ng

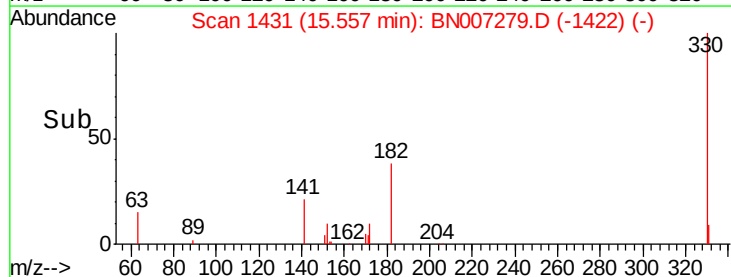
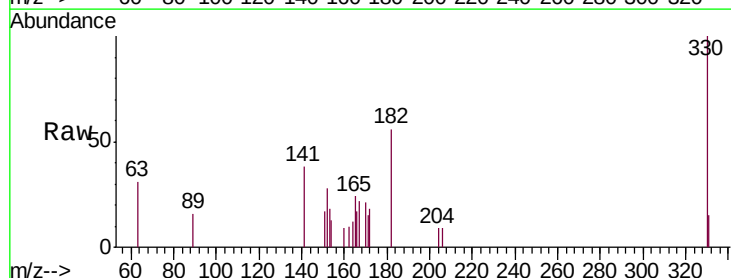
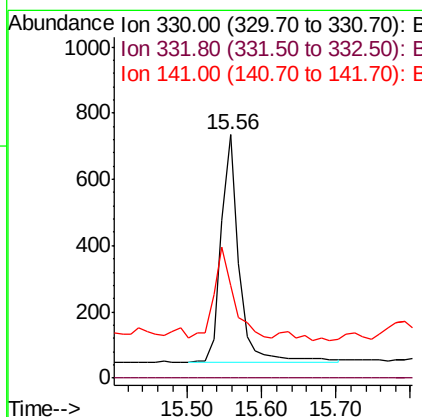
RT: 15.56 min Scan# 1431

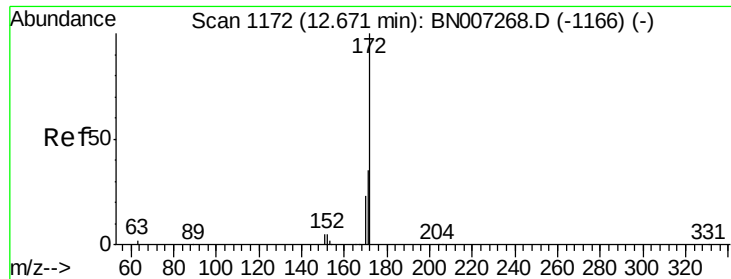
Delta R.T. 0.00 min

Lab File: BN007279.D

Acq: 21 Aug 2019 04:50

Tgt Ion:	330	Resp:	1158
Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	43.6	30.3	45.5





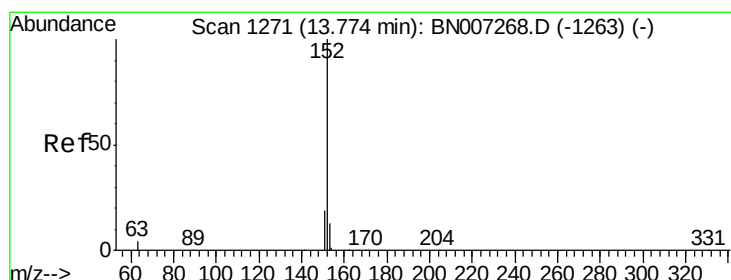
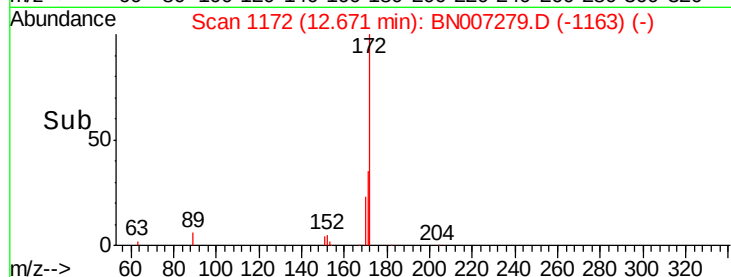
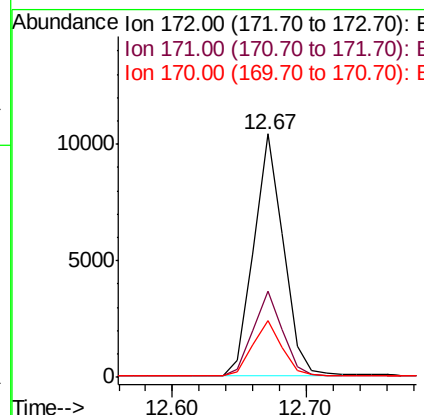
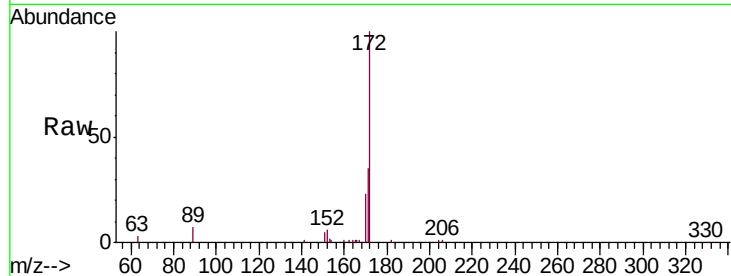
#15
2-Fluorobiphenyl
Concen: 0.306 ng
RT: 12.67 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BN007279.D
Acq: 21 Aug 2019 04:50

Instrument :
BNA_N
ClientSampleId :
PST-035-B240-080819

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	43.0
170	23.2	18.7	28.1

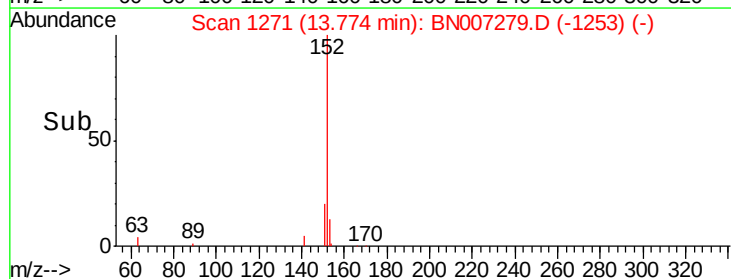
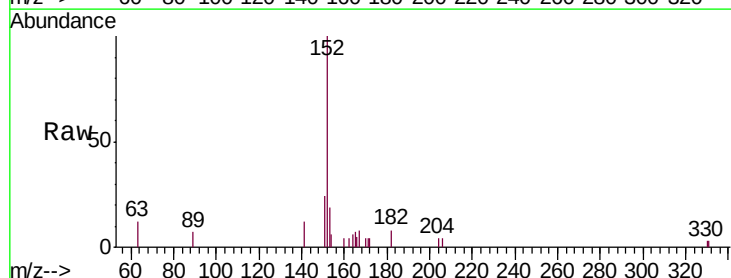
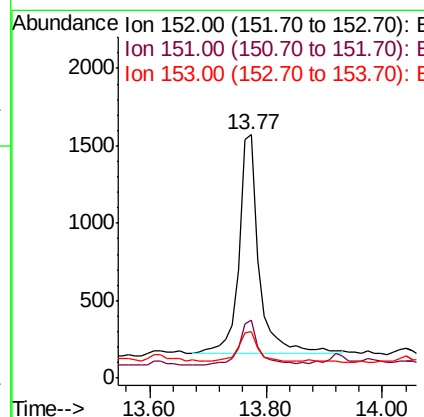
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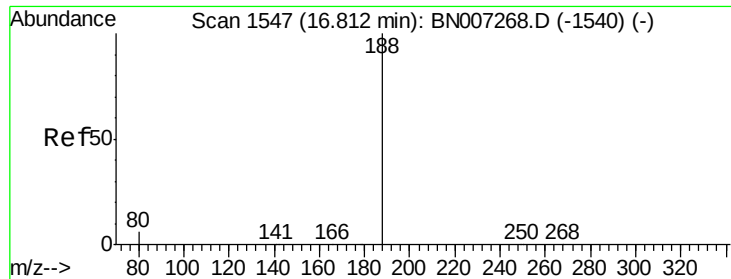
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#16
Acenaphthylene
Concen: 0.052 ng
RT: 13.77 min Scan# 1271
Delta R.T. 0.00 min
Lab File: BN007279.D
Acq: 21 Aug 2019 04:50

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.4	23.2
153	13.1	10.1	15.1





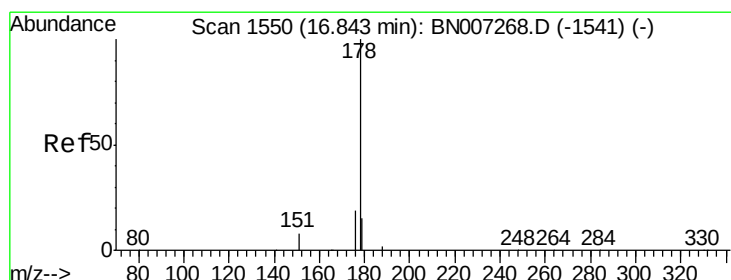
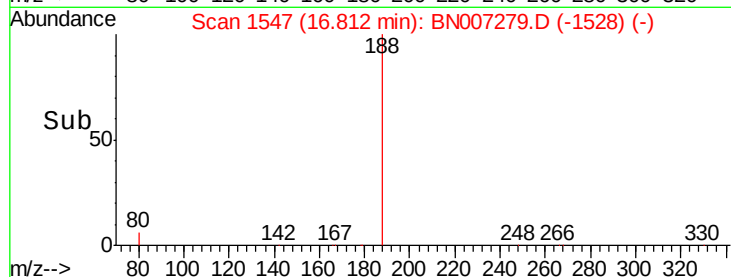
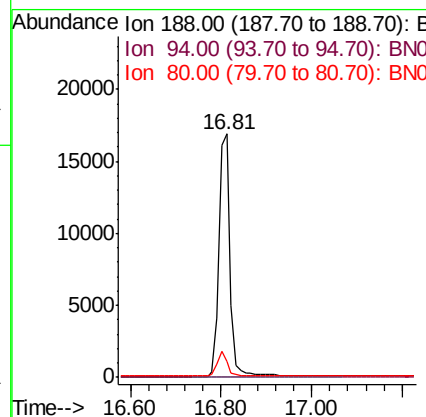
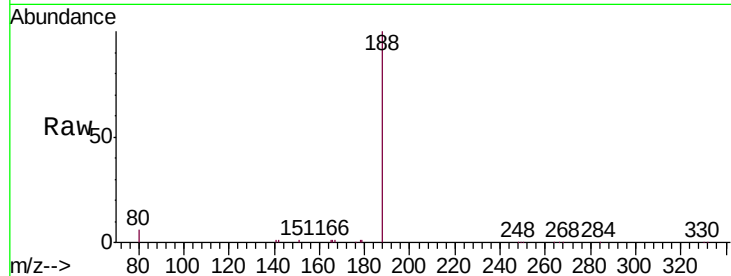
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.81 min Scan# 1547
Delta R.T. 0.00 min
Lab File: BN007279.D
Acq: 21 Aug 2019 04:50

Instrument :
BNA_N
ClientSampleId :
PST-035-B240-080819

Tot Ion	Ratio	Resp	Lower	Upper
188	100	28801		
94	0.0	0.0	0.0	0.0
80	6.3	5.2	7.8	

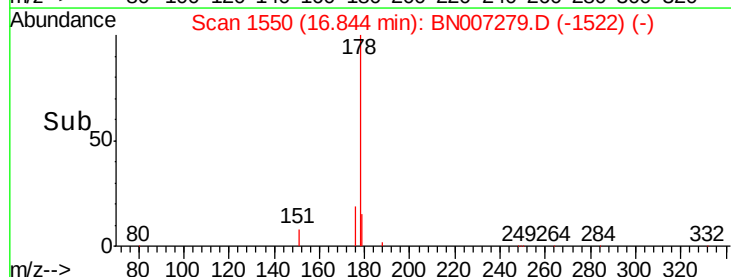
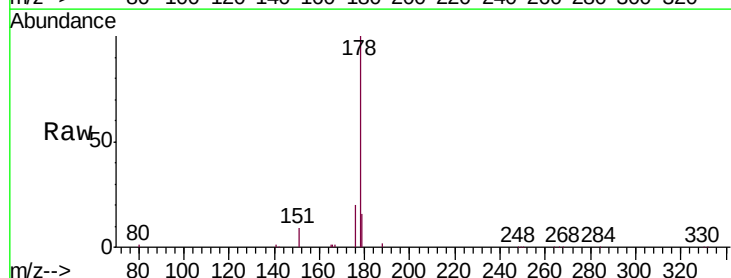
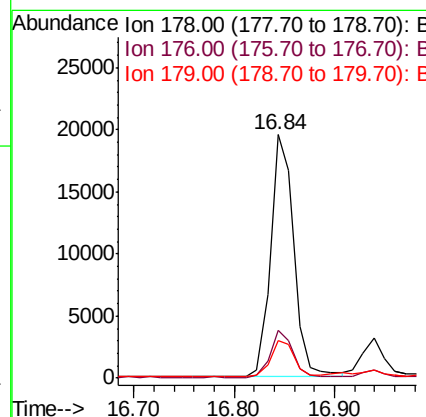
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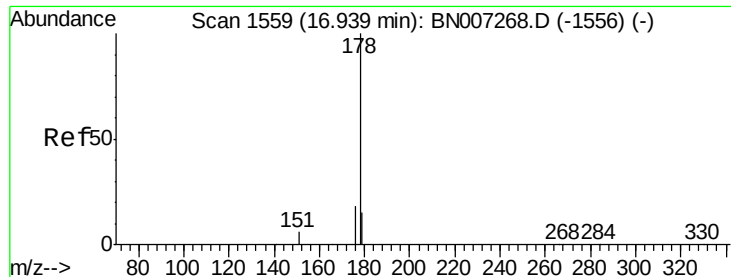
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#23
Phenanthrene
Concen: 0.348 ng
RT: 16.84 min Scan# 1550
Delta R.T. 0.00 min
Lab File: BN007279.D
Acq: 21 Aug 2019 04:50

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	31409		
176	18.6	15.2	22.8	
179	15.5	12.3	18.5	





#24

Anthracene

Concen: 0.052 ng

RT: 16.94 min Scan# 1559

Delta R.T. 0.00 min

Lab File: BN007279.D

Acq: 21 Aug 2019 04:50

Instrument :

BNA_N

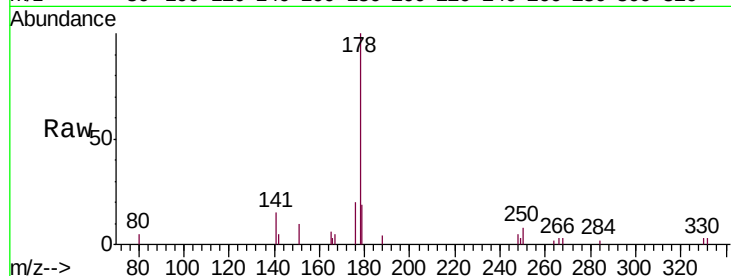
ClientSampleId :

PST-035-B240-080819

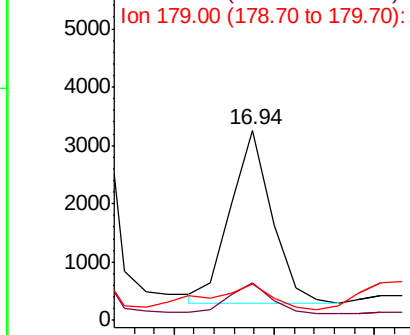
Tot Ion:	178	Resp:	4236
Ion Ratio	Lower	Upper	
178	100		
176	18.9	14.3	21.5
179	22.3	12.3	18.5#

Manual Integrations
APPROVED

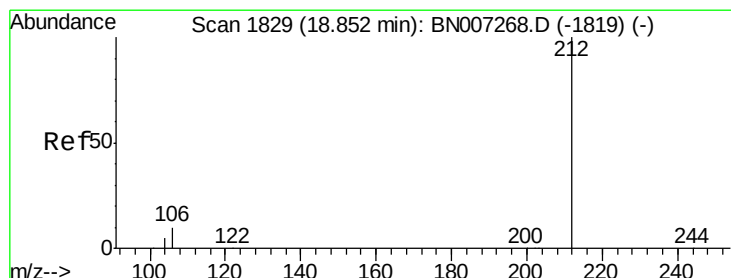
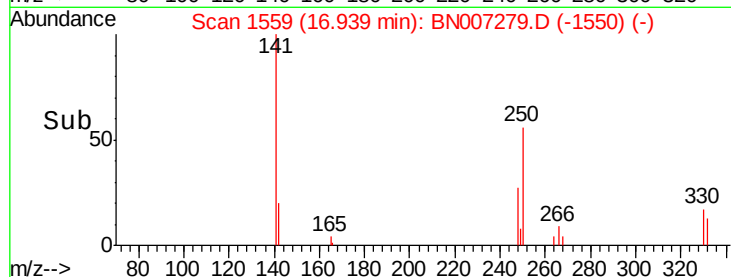
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time-->



#25

Fluoranthene-d10

Concen: 0.306 ng

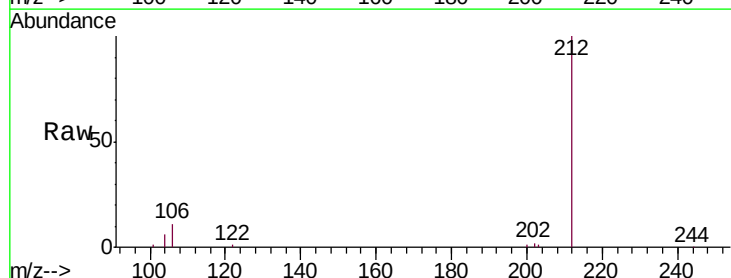
RT: 18.85 min Scan# 1829

Delta R.T. 0.00 min

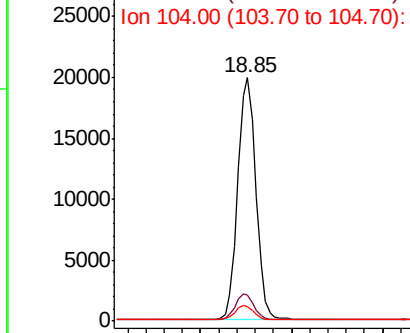
Lab File: BN007279.D

Acq: 21 Aug 2019 04:50

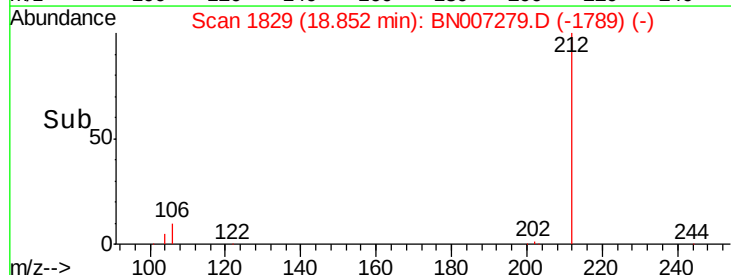
Tgt Ion:	212	Resp:	27913
Ion Ratio	Lower	Upper	
212	100		
106	10.5	8.2	12.4
104	5.9	4.7	7.1

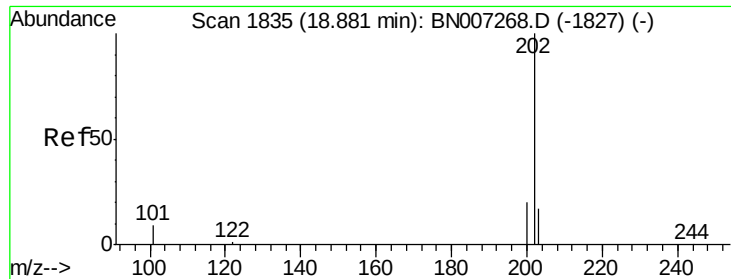


Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



Time-->





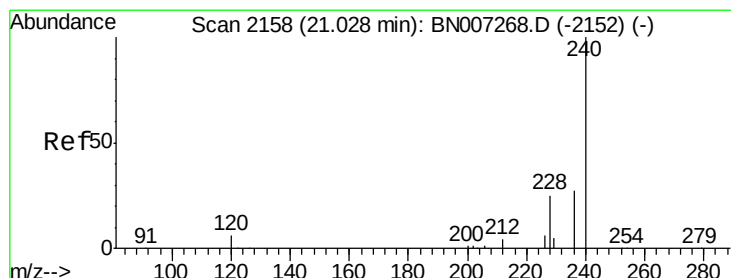
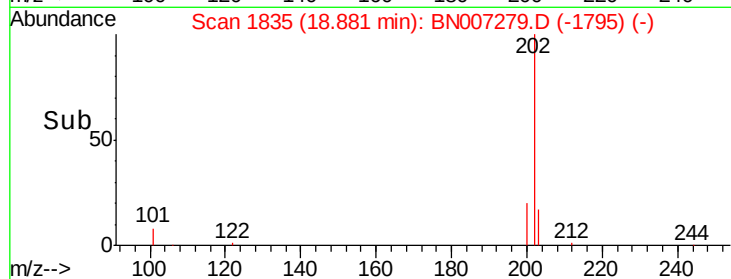
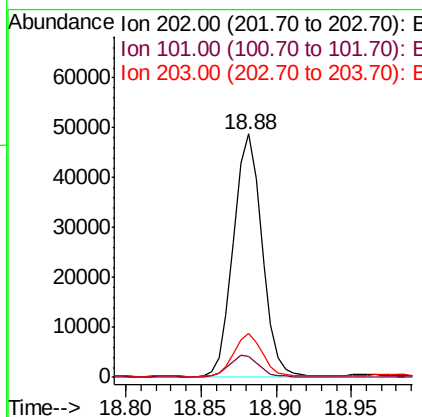
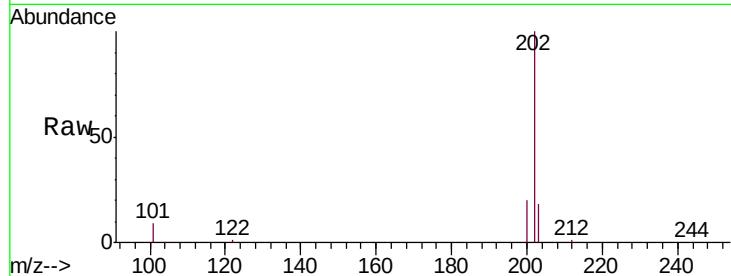
#26
Fluoranthene
Concen: 0.586 ng
RT: 18.88 min Scan# 1835
Delta R.T. 0.00 min
Lab File: BN007279.D
Acq: 21 Aug 2019 04:50

Instrument :
BNA_N
ClientSampleId :
PST-035-B240-080819

Tot Ion	Ratio	Lower	Upper
202	100		
101	8.9	7.2	10.8
203	17.4	13.8	20.6

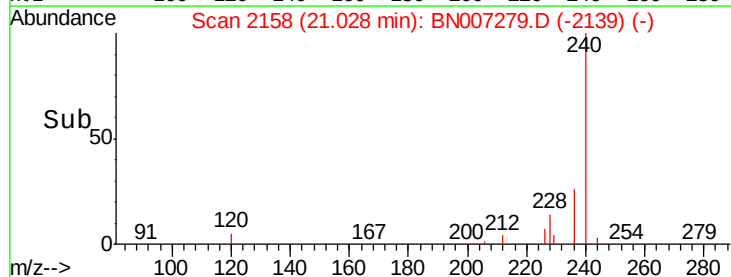
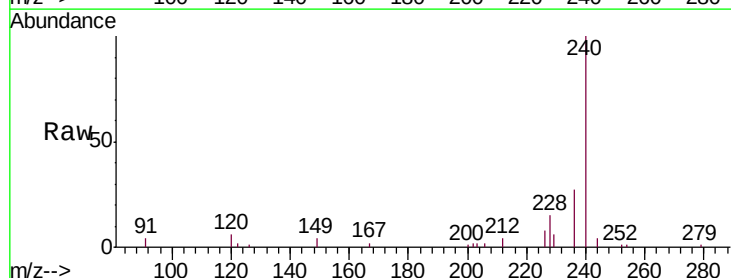
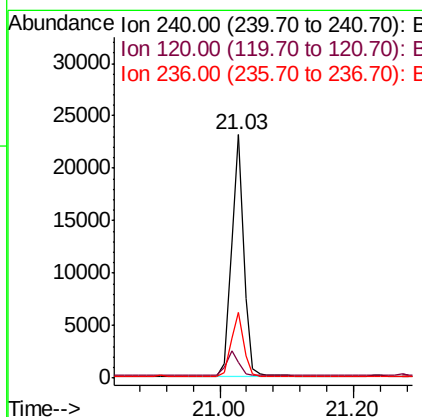
Manual Integrations
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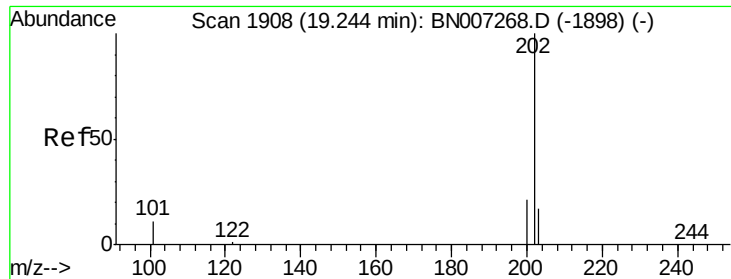
Jagrut
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.03 min Scan# 2158
Delta R.T. 0.00 min
Lab File: BN007279.D
Acq: 21 Aug 2019 04:50

Tgt Ion	Ratio	Lower	Upper
240	100		
120	6.4	5.6	8.4
236	27.1	21.6	32.4





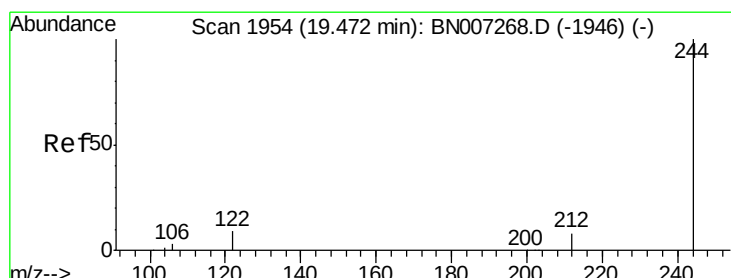
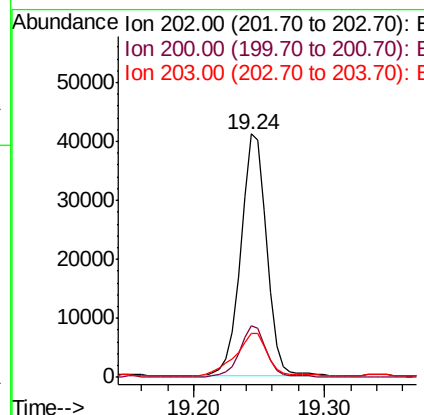
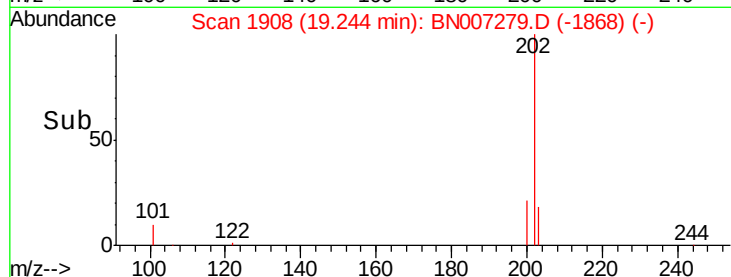
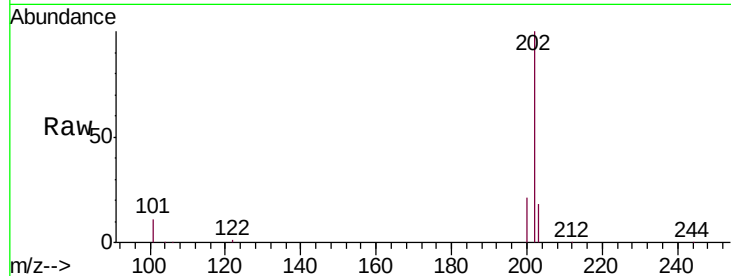
#28
Pvrene
Concen: 0.518 ng
RT: 19.24 min Scan# 1908
Delta R.T. 0.00 min
Lab File: BN007279.D
Acq: 21 Aug 2019 04:50

Instrument :
BNA_N
ClientSampleId :
PST-035-B240-080819

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	22.0	13.9	20.9

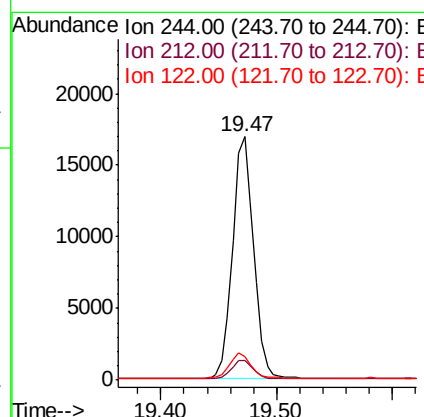
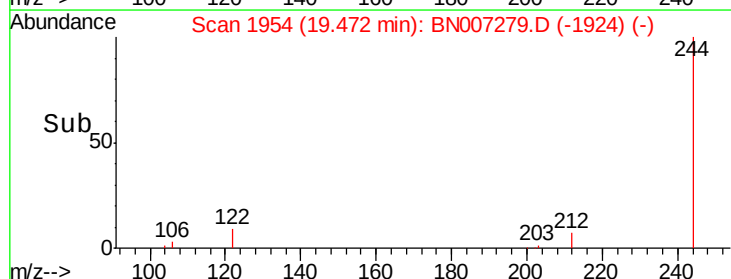
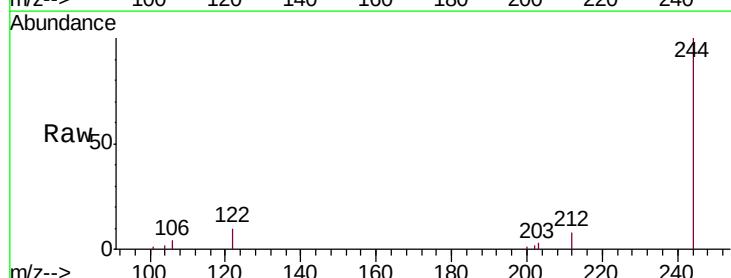
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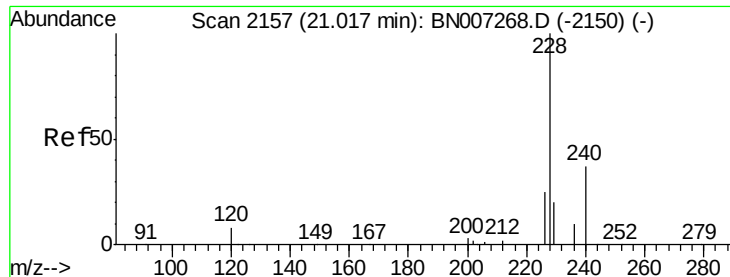
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#29
Terphenyl-d14
Concen: 0.289 ng
RT: 19.47 min Scan# 1954
Delta R.T. 0.00 min
Lab File: BN007279.D
Acq: 21 Aug 2019 04:50

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.5	9.7
122	9.7	7.9	11.9





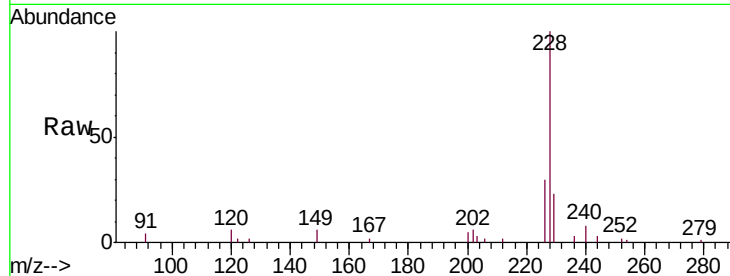
#30
Benzo(a)anthracene
Concen: 0.226 ng
RT: 21.01 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BN007279.D
Acq: 21 Aug 2019 04:50

Instrument :
BNA_N
ClientSampleId :
PST-035-B240-080819

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	20.6	30.8
229	22.8	16.9	25.3

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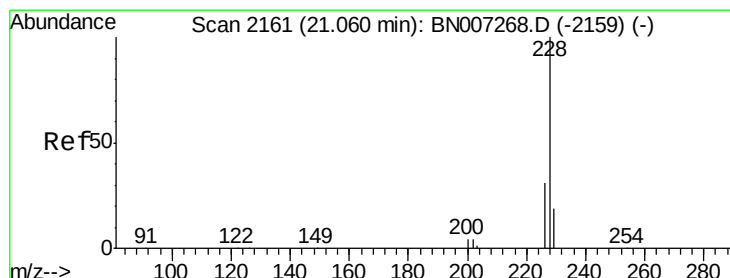
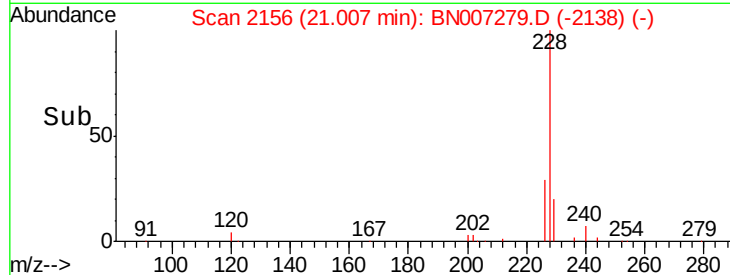
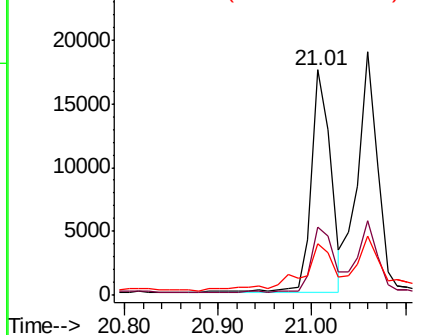


Abundance

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: 0.242 ng m
RT: 21.06 min Scan# 2161
Delta R.T. 0.00 min
Lab File: BN007279.D
Acq: 21 Aug 2019 04:50

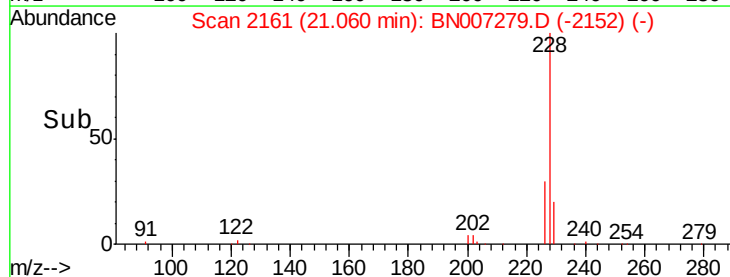
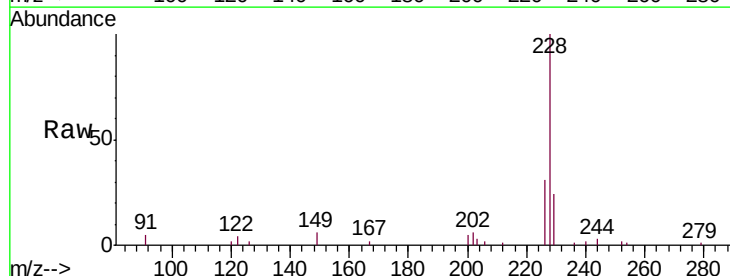
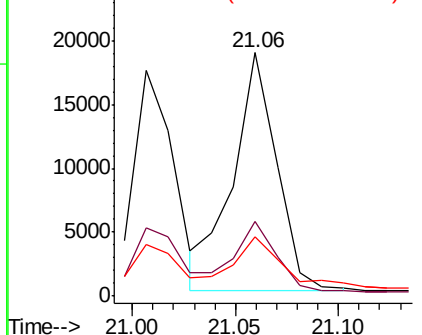
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.6	36.8
229	24.3	15.6	23.4

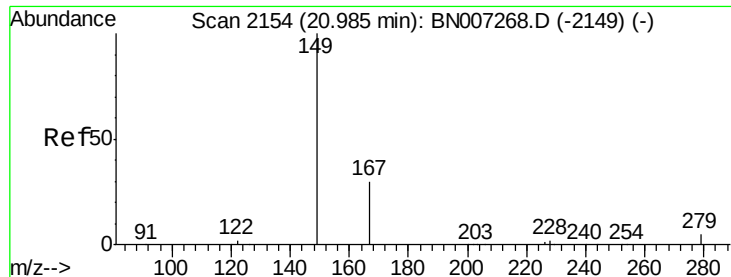
Abundance

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





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.329 ng

RT: 20.97 min Scan# 2153

Delta R.T. -0.01 min

Lab File: BN007279.D

Acq: 21 Aug 2019 04:50

Instrument :

BNA_N

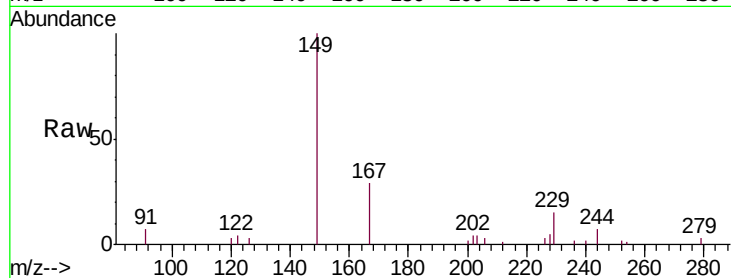
ClientSampleId :

PST-035-B240-080819

Tot Ion:	149	Resp:	14494
Ion Ratio	Lower	Upper	
149	100		
167	31.2	23.8	35.6
279	4.7	3.8	5.8

Manual Integrations
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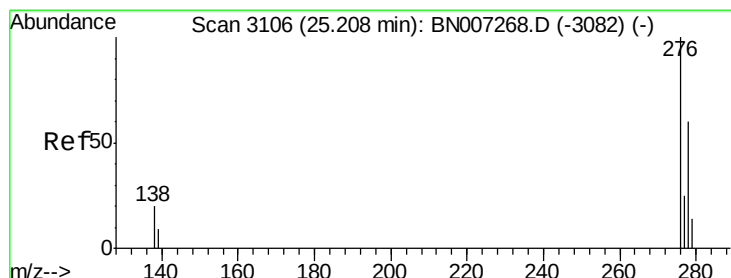
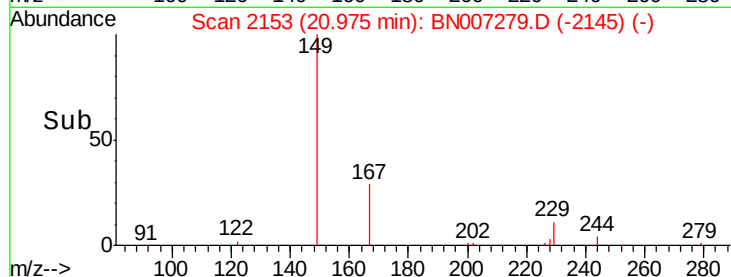
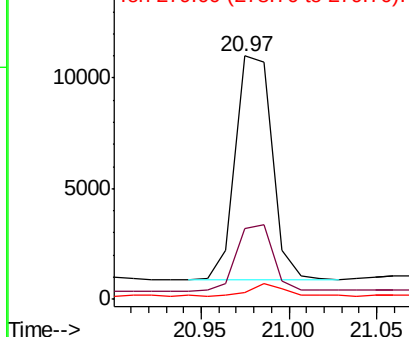


Abundance

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: 0.078 ng

RT: 25.20 min Scan# 3103

Delta R.T. -0.01 min

Lab File: BN007279.D

Acq: 21 Aug 2019 04:50

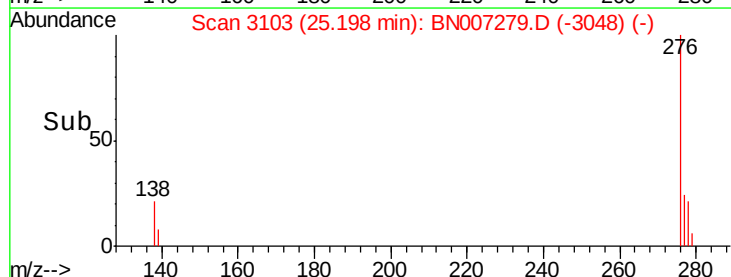
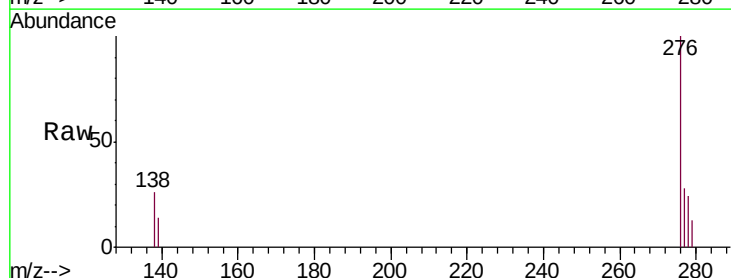
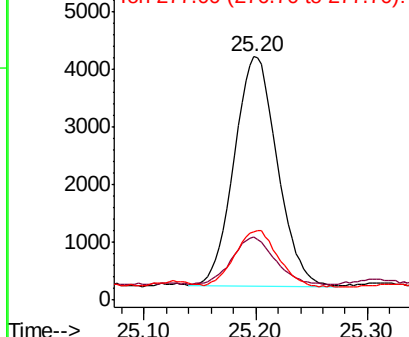
Tgt Ion:	276	Resp:	10565
Ion Ratio	Lower	Upper	
276	100		
138	20.5	17.1	25.7
277	24.2	20.1	30.1

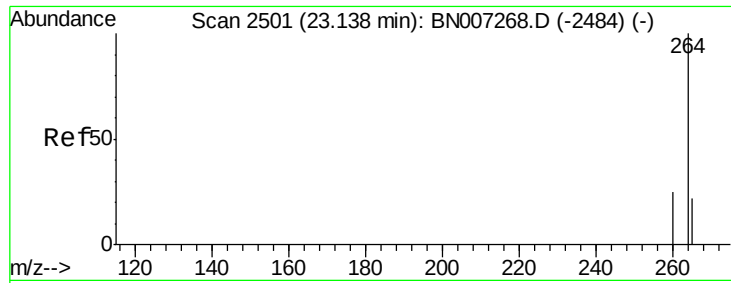
Abundance

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





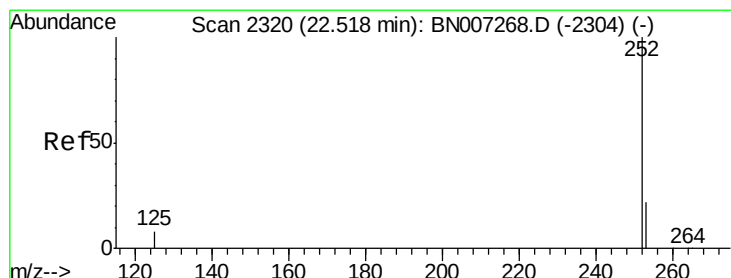
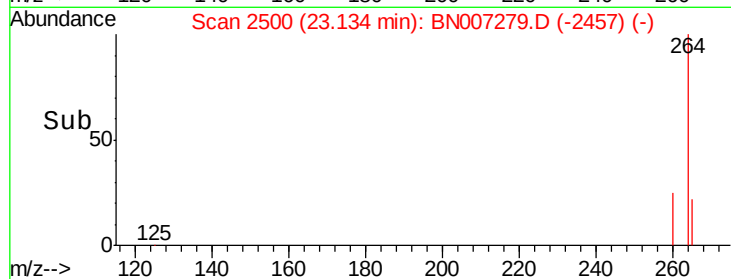
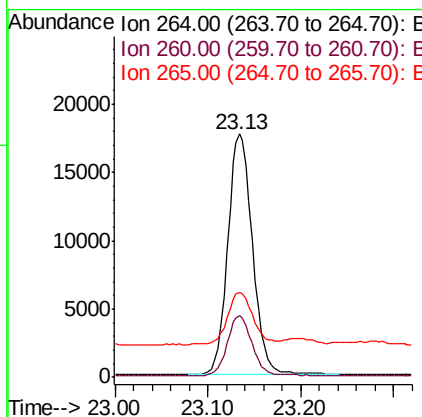
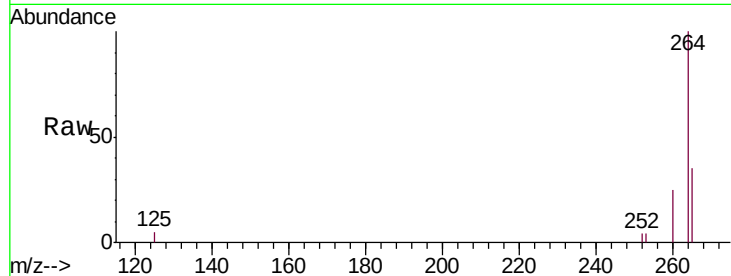
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.13 min Scan# 2500
Delta R.T. -0.00 min
Lab File: BN007279.D
Acq: 21 Aug 2019 04:50

Instrument :
BNA_N
ClientSampleId :
PST-035-B240-080819

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.1	30.1
265	35.0	29.0	43.6

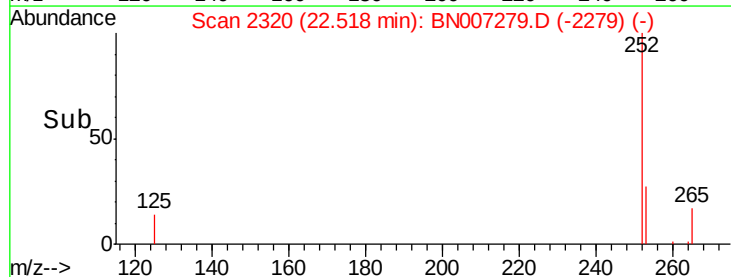
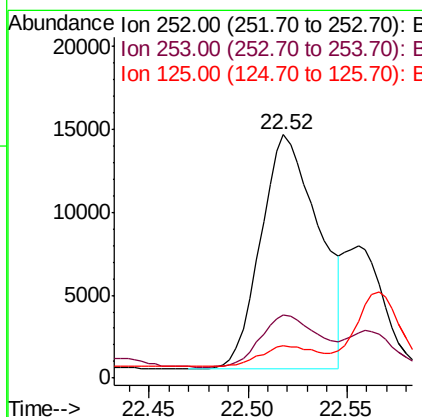
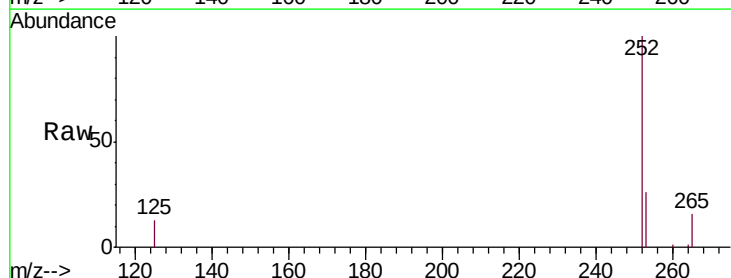
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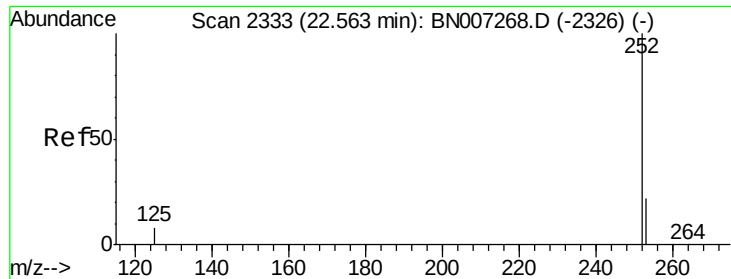
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#35
Benzo(b)fluoranthene
Concen: 0.235 ng
RT: 22.52 min Scan# 2320
Delta R.T. 0.00 min
Lab File: BN007279.D
Acq: 21 Aug 2019 04:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.5	27.7
125	13.2	7.8	11.6





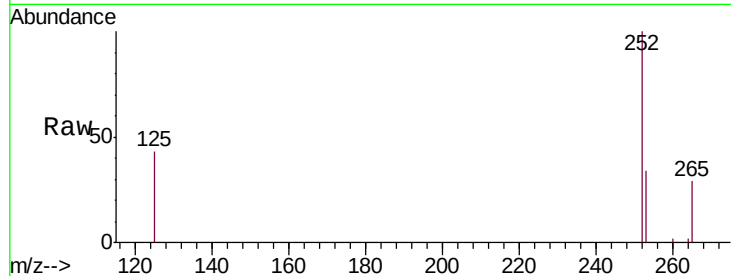
#36
Benzo(k)fluoranthene
Concen: 0.090 ng m
RT: 22.56 min Scan# 2331
Delta R.T. -0.01 min
Lab File: BN007279.D
Acq: 21 Aug 2019 04:50

Instrument :
BNA_N
ClientSampleId :
PST-035-B240-080819

Tot Ion	Ratio	Lower	Upper
252	100		
253	33.8	18.4	27.6#
125	43.0	8.0	12.0#

Manual Integrations
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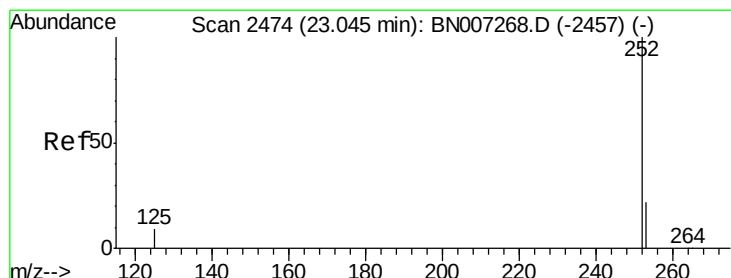
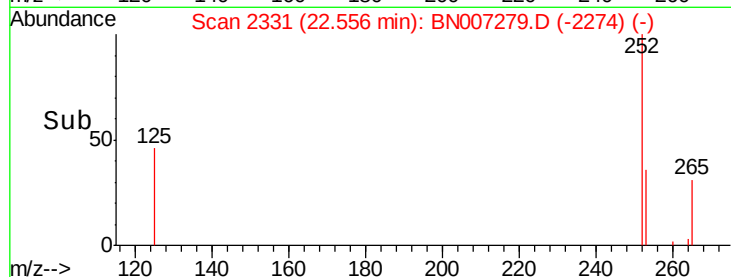
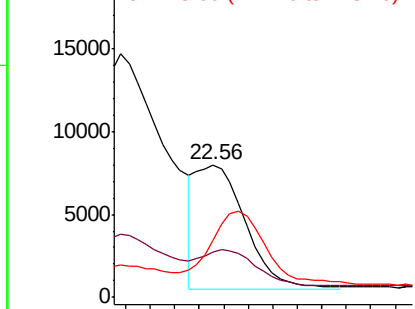


Abundance

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: 0.151 ng
RT: 23.04 min Scan# 2473
Delta R.T. -0.00 min
Lab File: BN007279.D
Acq: 21 Aug 2019 04:50

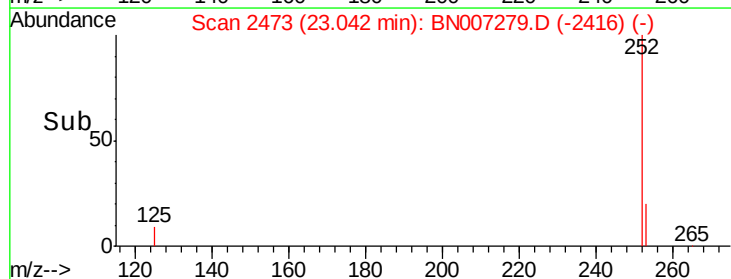
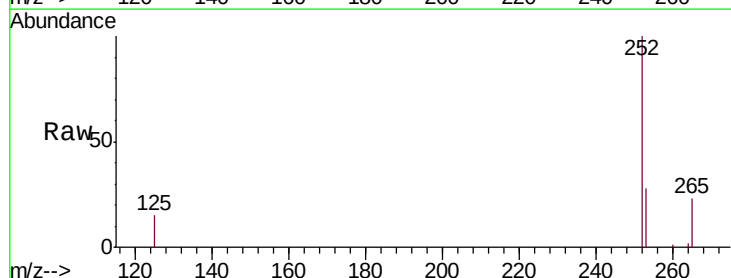
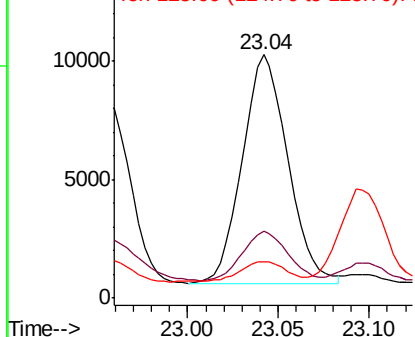
Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.5	18.7	28.1
125	15.0	8.7	13.1#

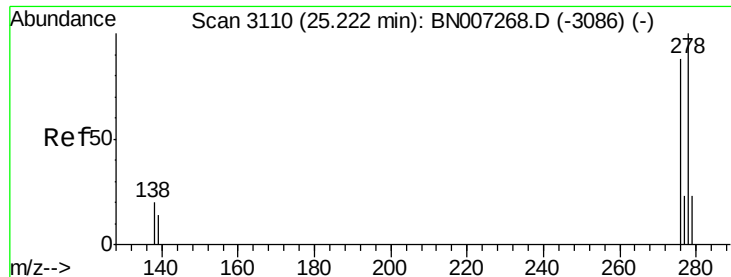
Abundance

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





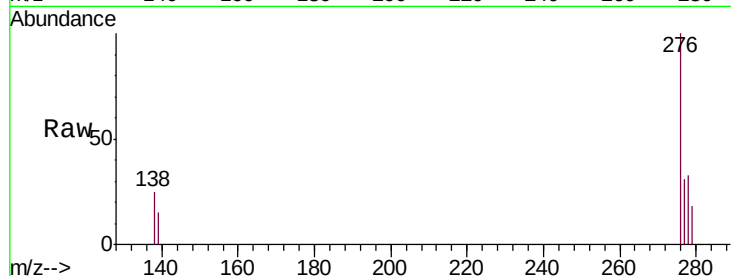
#38
Dibenzo(a,h)anthracene
Concen: 0.026 ng
RT: 25.21 min Scan# 3107
Delta R.T. -0.01 min
Lab File: BN007279.D
Acq: 21 Aug 2019 04:50

Instrument :
BNA_N
ClientSampleId :
PST-035-B240-080819

Tot Ion	Ratio	Lower	Upper
278	100		
139	44.6	11.8	17.8#
279	52.8	19.8	29.6#

Manual Integrations
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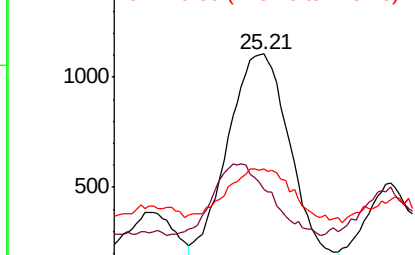


Abundance

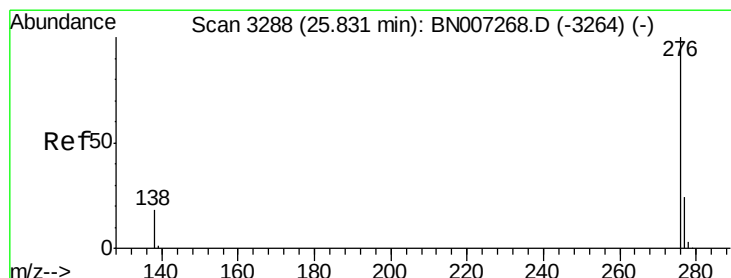
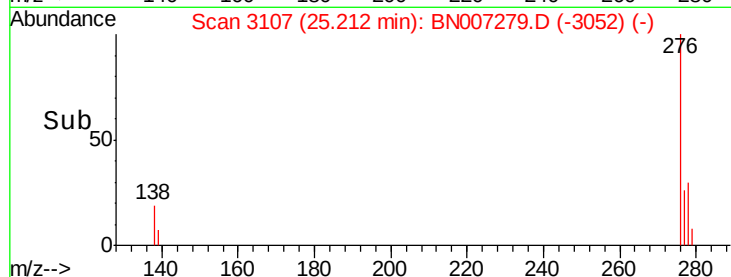
Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time--> 25.10 25.20 25.30



#39
Benzo(g,h,i)perylene
Concen: 0.086 ng
RT: 25.82 min Scan# 3286
Delta R.T. -0.01 min
Lab File: BN007279.D
Acq: 21 Aug 2019 04:50

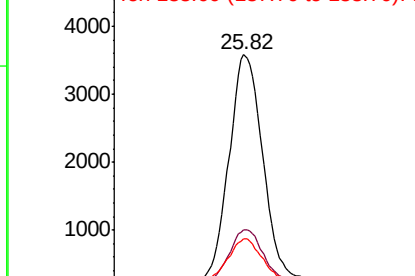
Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.9	19.5	29.3
138	24.3	15.3	22.9#

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E



Time--> 25.70 25.80 25.90 26.00

