

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070519\
 Data File : BN006727.D
 Acq On : 05 Jul 2019 21:44
 Operator : HP/JU
 Sample : K3561-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-012-B226-062419

Manual Integrations
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Quant Time: Jul 05 23:56:28 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN070219.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Jul 05 05:30:28 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	2923	0.40	ng	-0.03
7) Naphthalene-d8	10.36	136	11068	0.40	ng	-0.03
13) Acenaphthene-d10	14.24	164	6617	0.40	ng	-0.02
19) Phenanthrene-d10	17.00	188	15346	0.40	ng	-0.02
27) Chrysene-d12	21.23	240	15429	0.40	ng	-0.03
34) Perylene-d12	23.45	264	17789	0.40	ng	-0.06

System Monitoring Compounds

4) 2-Fluorophenol	5.21	112	3039	0.38	ng	-0.02
5) Phenol-d6	6.80	99	4054	0.40	ng	-0.03
8) Nitrobenzene-d5	8.78	82	2829	0.33	ng	-0.01
11) 2-Methylnaphthalene-d10	11.97	152	5873	0.35	ng	-0.02
14) 2,4,6-Tribromophenol	15.77	330	1186	0.36	ng	-0.02
15) 2-Fluorobiphenyl	12.86	172	7783	0.30	ng	-0.02
25) Fluoranthene-d10	19.05	212	11929	0.27	ng	-0.02
29) Terphenyl-d14	19.65	244	8261	0.23	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.41	128	1484	0.049	ng	# 77
16) Acenaphthylene	13.96	152	2518	0.076	ng	99
17) Acenaphthene	14.30	154	727	0.035	ng	97
18) Fluorene	15.31	166	697	0.027	ng	# 91
23) Phenanthrene	17.05	178	17401	0.393	ng	100
24) Anthracene	17.14	178	4089	0.102	ng	97
26) Fluoranthene	19.08	202	45695	0.880	ng	100
28) Pyrene	19.44	202	42565	0.689	ng	97
30) Benzo(a)anthracene	21.22	228	28664	0.539	ng	96
31) Chrysene	21.27	228	25648	0.468	ng	97
32) Bis(2-ethylhexyl)phthalate	21.13	149	3297	0.021	ng	# 98
33) Indeno(1,2,3-cd)pyrene	25.67	276	17976	0.274	ng	94
35) Benzo(b)fluoranthene	22.79	252	36207	0.634	ng	98
36) Benzo(k)fluoranthene	22.83	252	13536m	0.219	ng	
37) Benzo(a)pyrene	23.36	252	26038m	0.471	ng	
38) Dibenzo(a,h)anthracene	25.68	278	4777	0.087	ng	# 77
39) Benzo(a,h,i)perylene	26.35	276	16580	0.293	ng	98

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

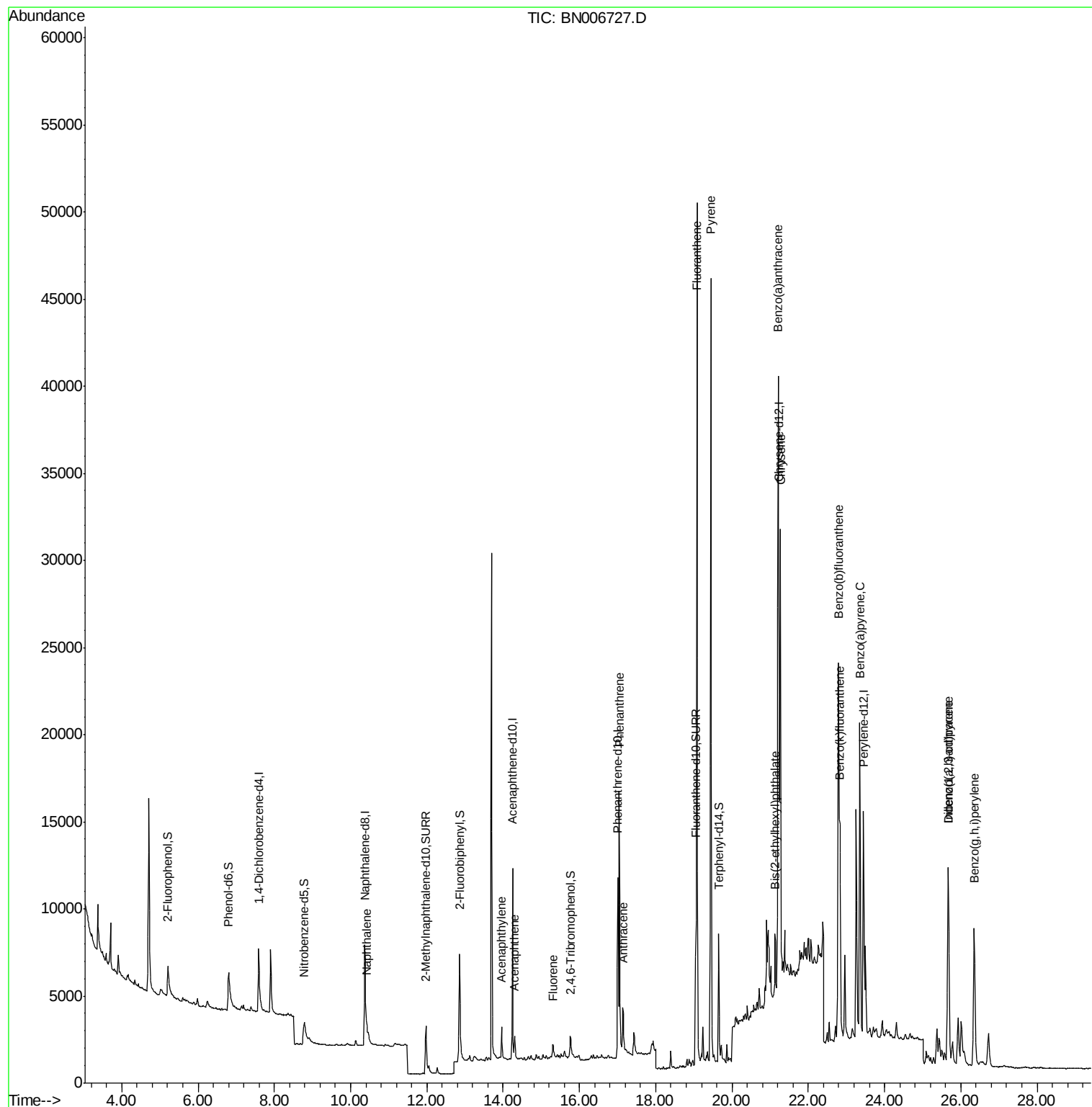
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070519\
Data File : BN006727.D
Acq On : 05 Jul 2019 21:44
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ALS Vial : 17 Sample Multiplier: 1

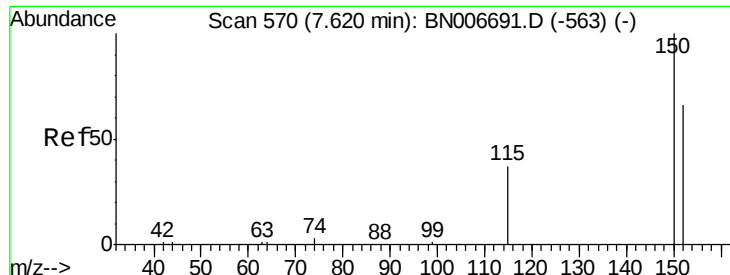
Instrument :
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#1

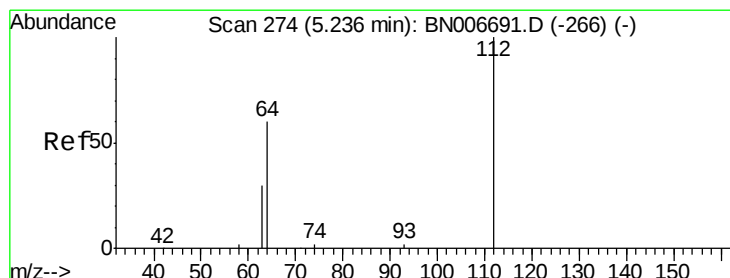
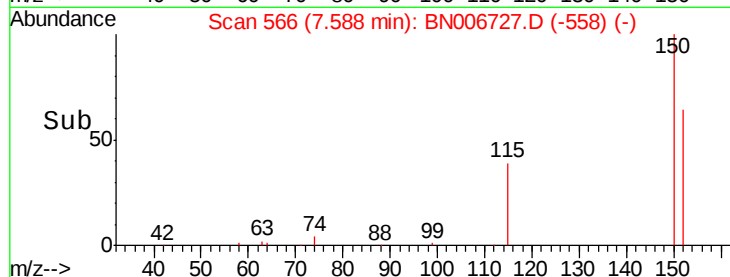
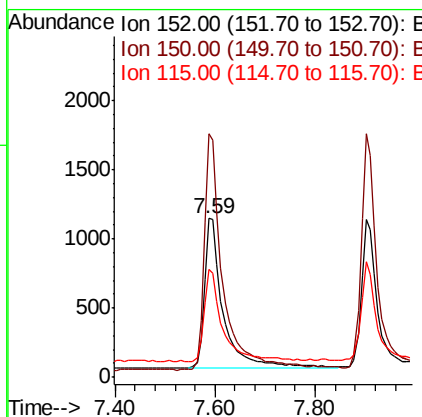
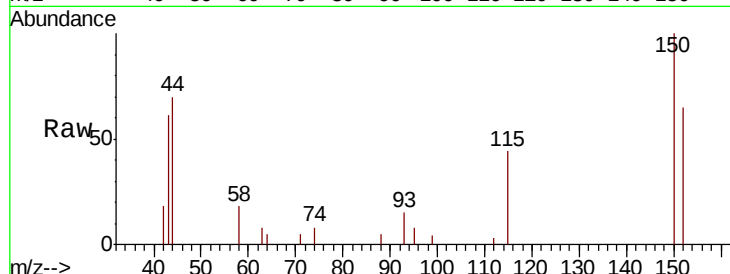
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.59 min Scan# 566
Delta R.T. -0.03 min
Lab File: BN006727.D
Acq: 05 Jul 2019 21:44

Instrument :
BNA_N
ClientSampleId :
PST-012-B226-062419

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	120.6	181.0
115	67.8	51.0	76.6

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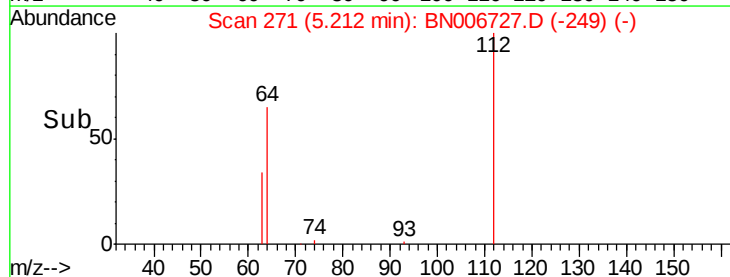
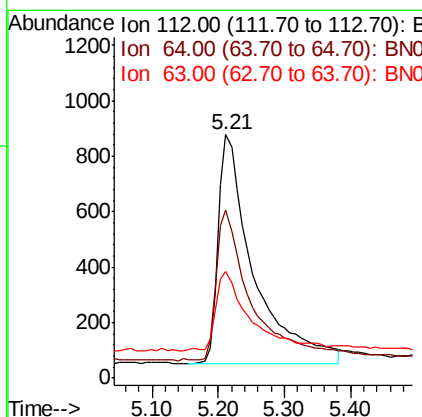
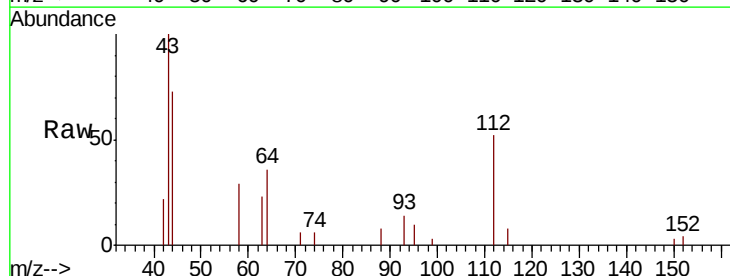
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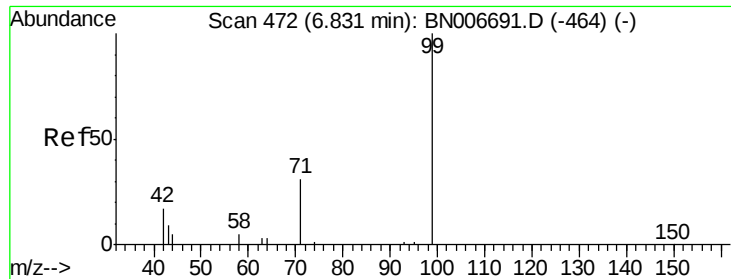


#4

2-Fluorophenol
Concen: 0.383 ng
RT: 5.21 min Scan# 271
Delta R.T. -0.02 min
Lab File: BN006727.D
Acq: 05 Jul 2019 21:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.2	49.8	74.6
63	34.4	25.8	38.6





#5

Phenol-d6

Concen: 0.403 ng

RT: 6.80 min Scan# 468

Delta R.T. -0.03 min

Lab File: BN006727.D

Acq: 05 Jul 2019 21:44

Instrument :

BNA_N

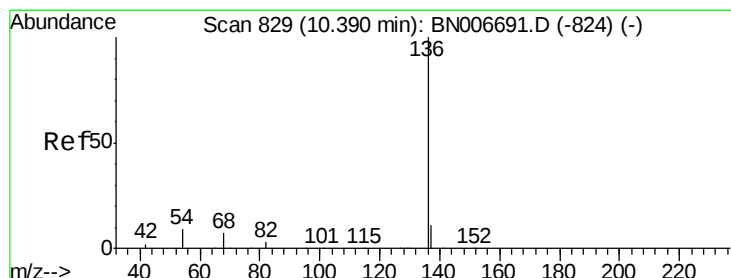
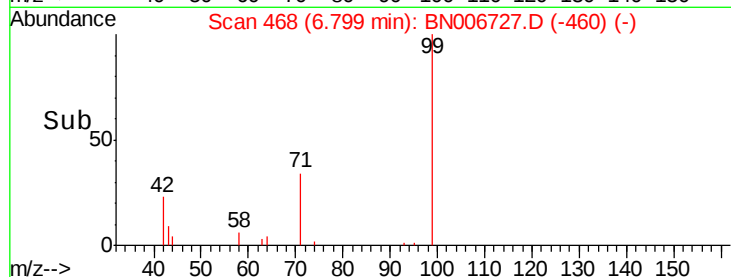
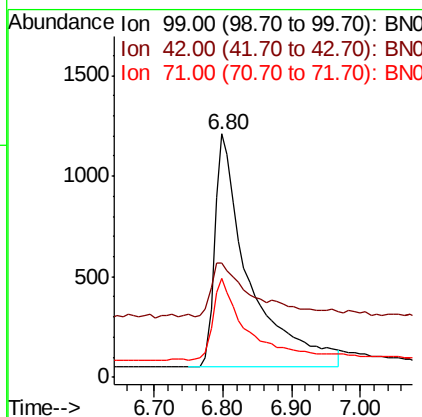
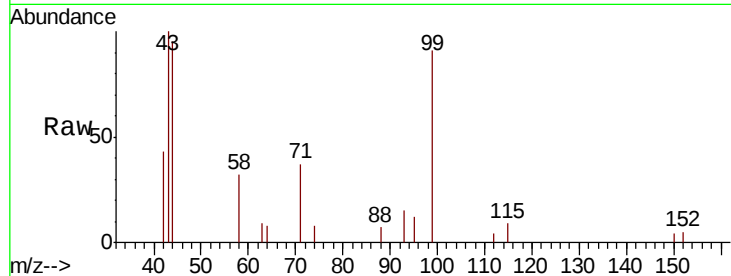
ClientSampleId :

PST-012-B226-062419

Tot Ion:	99	Resp:	4054
Ion	Ratio	Lower	Upper
99	100		
42	29.2	16.6	25.0#
71	34.3	26.0	39.0

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#7

Naphthalene-d8

Concen: 0.400 ng

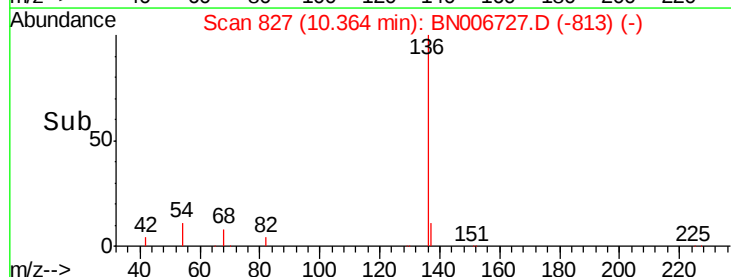
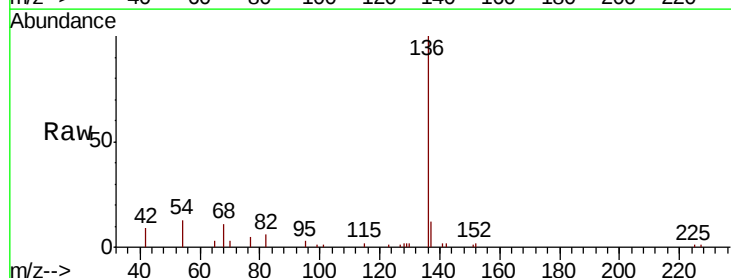
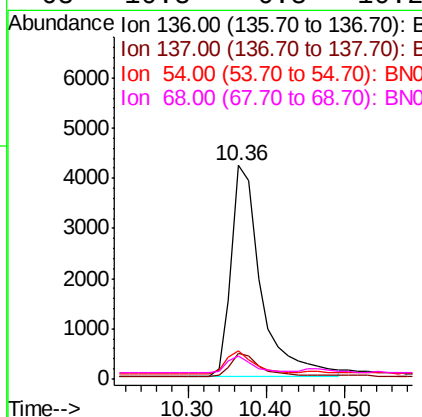
RT: 10.36 min Scan# 827

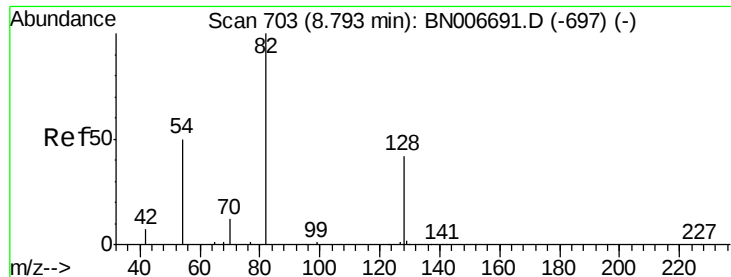
Delta R.T. -0.03 min

Lab File: BN006727.D

Acq: 05 Jul 2019 21:44

Tgt Ion:	136	Resp:	11068
Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.3	13.9
54	13.1	8.4	12.6#
68	10.8	6.8	10.2#





#8

Nitrobenzene-d5

Concen: 0.333 ng

RT: 8.78 min Scan# 702

Delta R.T. -0.01 min

Lab File: BN006727.D

Acq: 05 Jul 2019 21:44

Instrument :

BNA_N

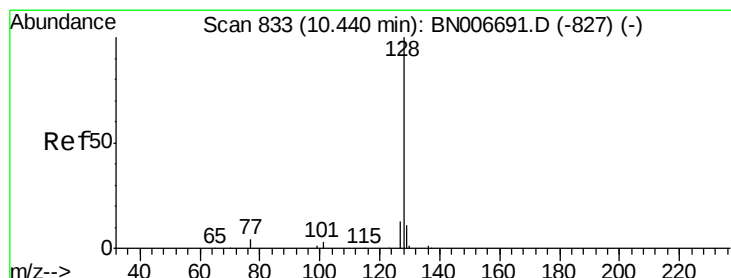
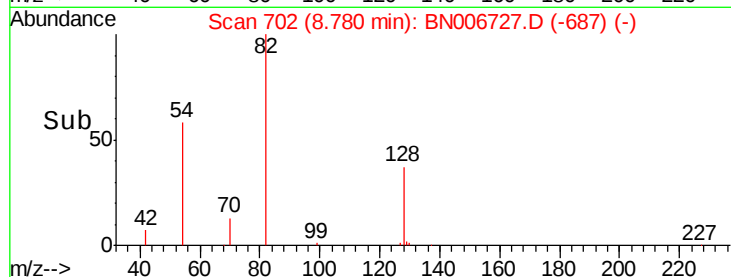
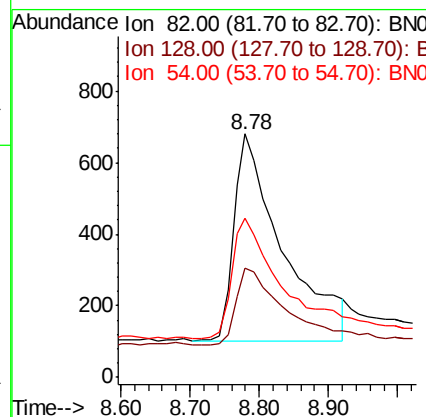
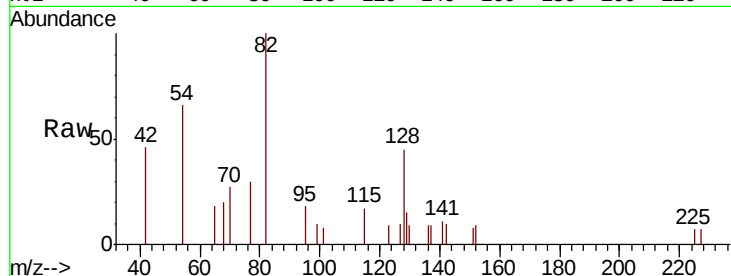
ClientSampleId :

PST-012-B226-062419

Tot Ion:	82	Resp:	2829
Ion Ratio	Lower	Upper	
82	100		
128	45.1	36.1	54.1
54	65.6	44.5	66.7

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#9

Naphthalene

Concen: 0.049 ng

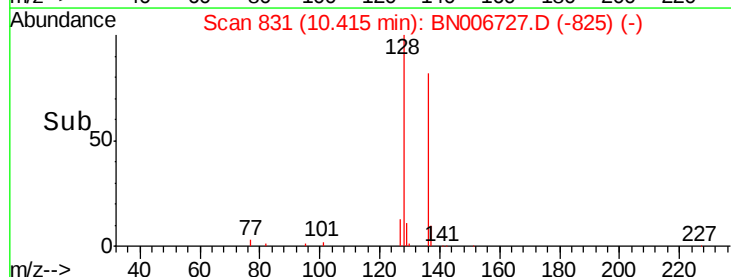
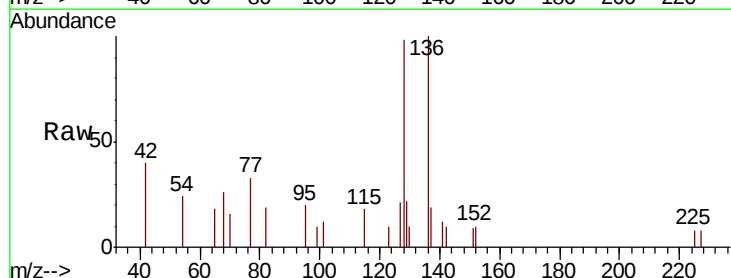
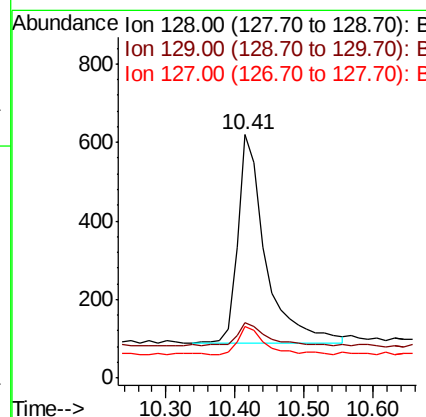
RT: 10.41 min Scan# 831

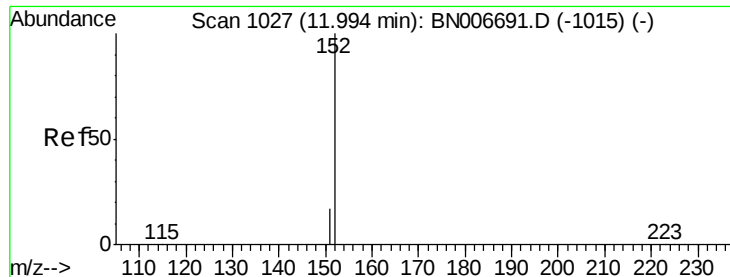
Delta R.T. -0.03 min

Lab File: BN006727.D

Acq: 05 Jul 2019 21:44

Tgt Ion:	128	Resp:	1484
Ion Ratio	Lower	Upper	
128	100		
129	22.9	9.6	14.4#
127	21.1	11.0	16.4#





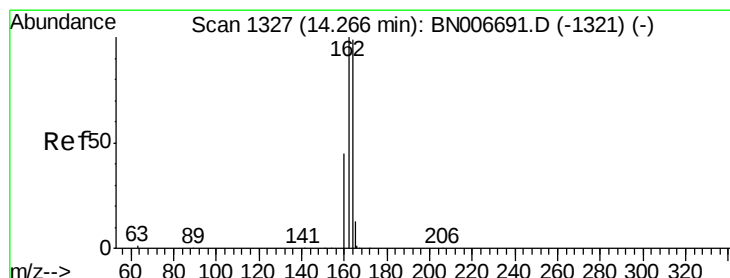
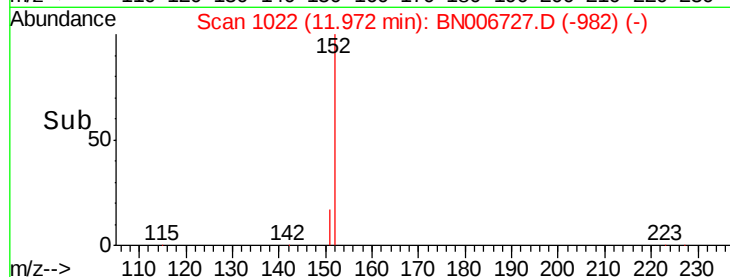
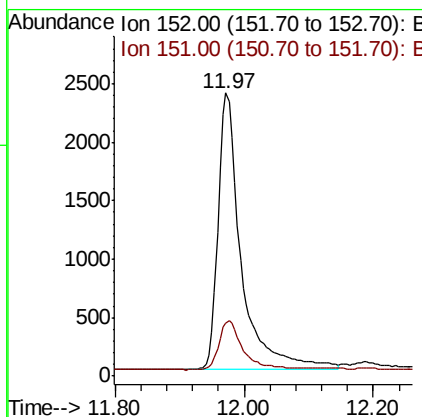
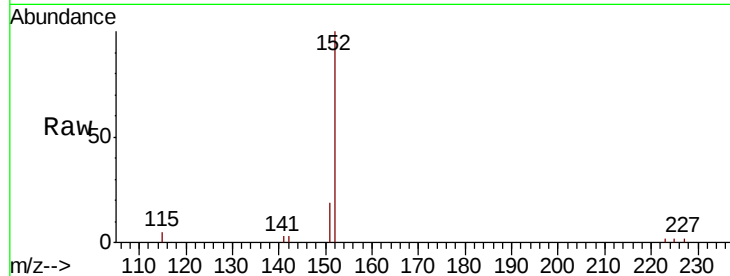
#11
2-Methylnaphthalene-d10
Concen: 0.353 ng
RT: 11.97 min Scan# 1022
Delta R.T. -0.02 min
Lab File: BN006727.D
Acq: 05 Jul 2019 21:44

Instrument :
BNA_N
ClientSampleId :
PST-012-B226-062419

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.4	14.9	22.3

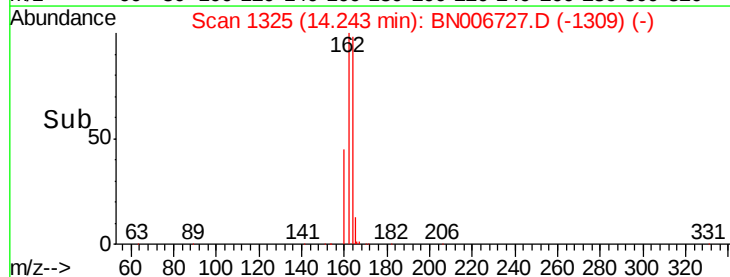
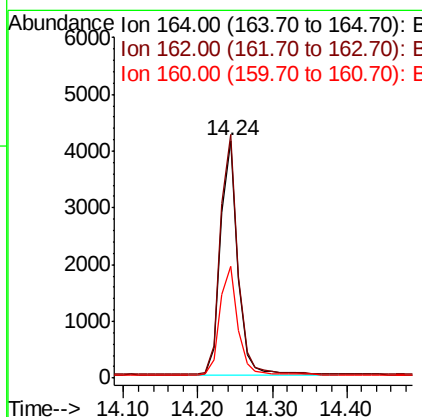
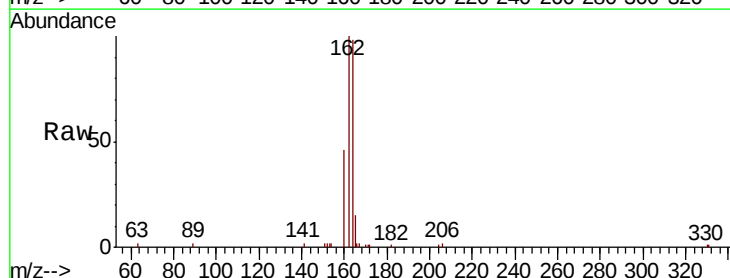
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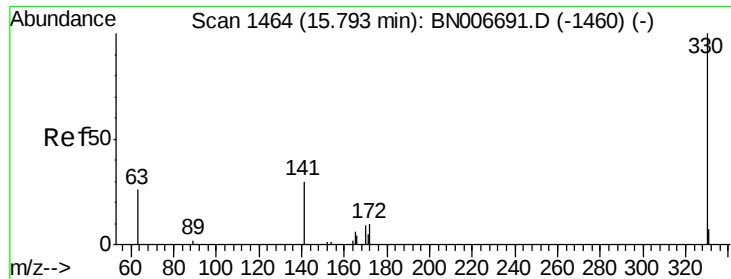
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#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.24 min Scan# 1325
Delta R.T. -0.02 min
Lab File: BN006727.D
Acq: 05 Jul 2019 21:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	80.8	121.2
160	47.1	37.0	55.6





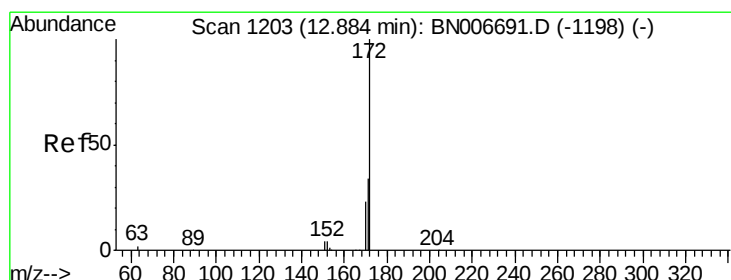
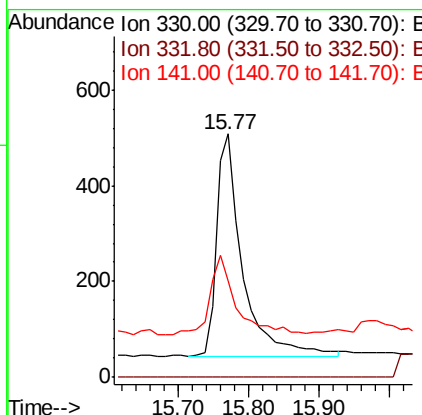
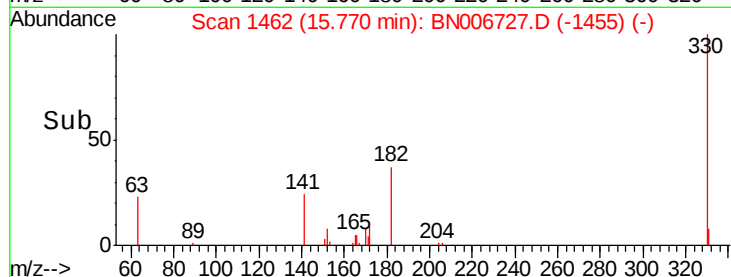
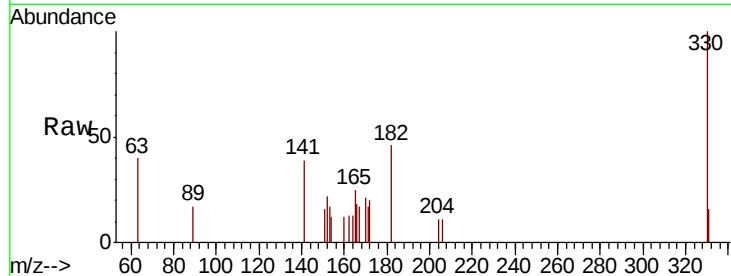
#14
 2,4,6-Tribromophenol
 Concen: 0.365 ng
 RT: 15.77 min Scan# 1462
 Delta R.T. -0.02 min
 Lab File: BN006727.D
 Acq: 05 Jul 2019 21:44

Instrument :
 BNA_N
 ClientSampleId :
 PST-012-B226-062419

Tot Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	35.5	24.8	37.2

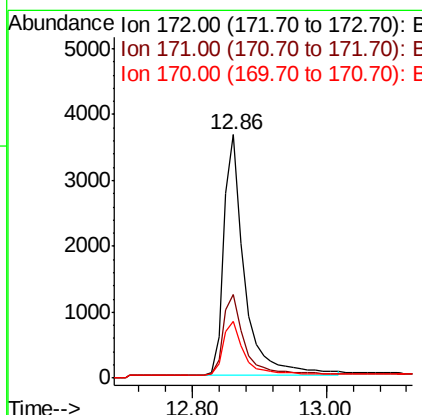
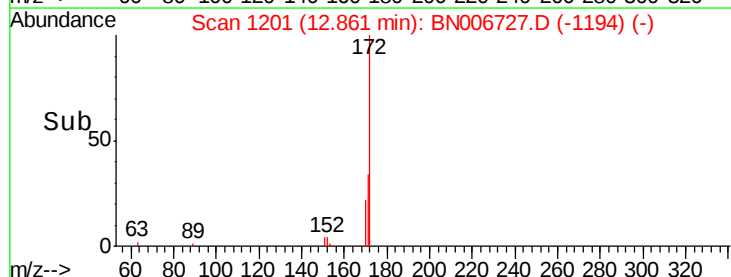
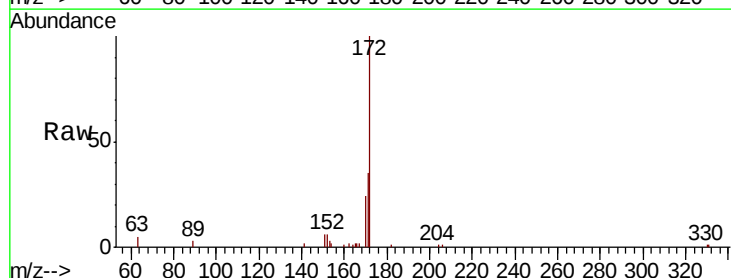
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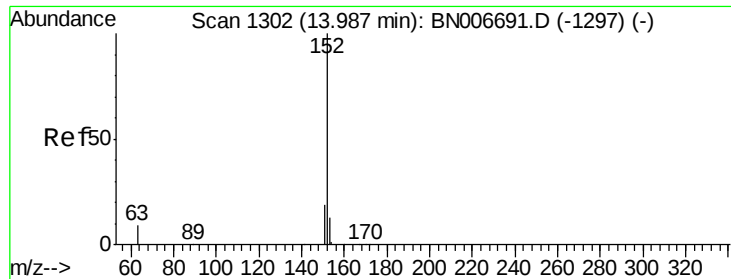
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#15
 2-Fluorobiphenyl
 Concen: 0.301 ng
 RT: 12.86 min Scan# 1201
 Delta R.T. -0.02 min
 Lab File: BN006727.D
 Acq: 05 Jul 2019 21:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.8	41.6
170	23.5	18.9	28.3





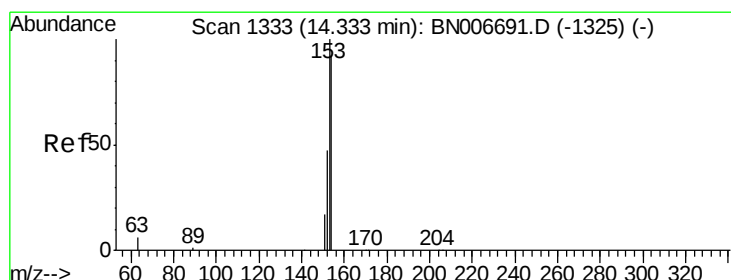
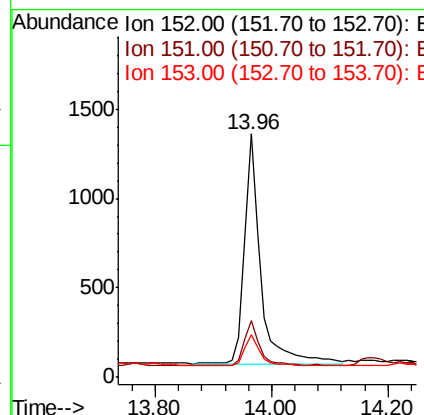
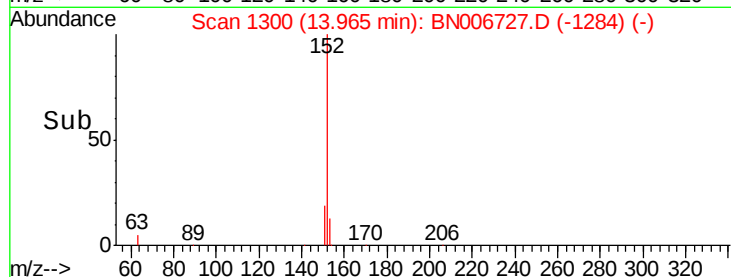
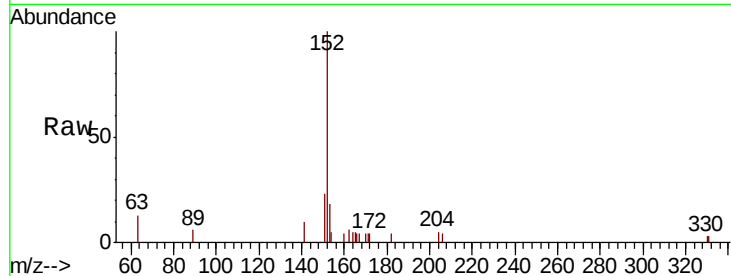
#16
Acenaphthylene
Concen: 0.076 ng
RT: 13.96 min Scan# 1300
Delta R.T. -0.02 min
Lab File: BN006727.D
Acq: 05 Jul 2019 21:44

Instrument :
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PST-012-B226-062419

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.7	23.5
153	13.7	10.6	15.8

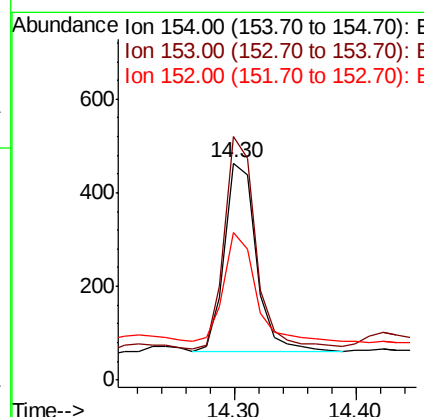
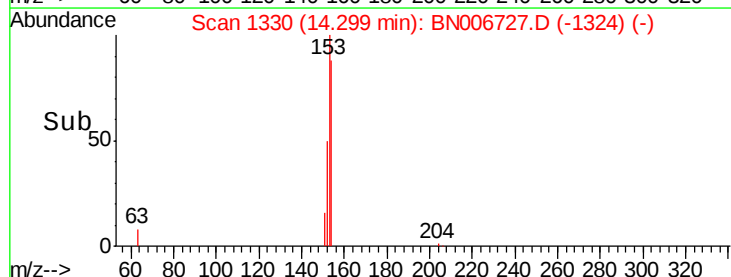
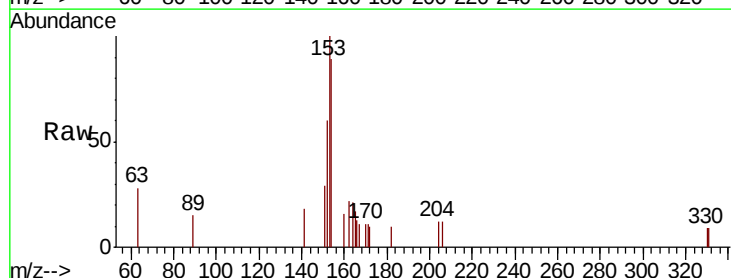
Manual Integrations
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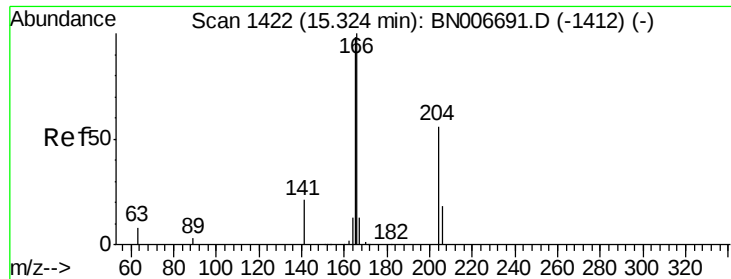
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#17
Acenaphthene
Concen: 0.035 ng
RT: 14.30 min Scan# 1330
Delta R.T. -0.03 min
Lab File: BN006727.D
Acq: 05 Jul 2019 21:44

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.8	88.9	133.3
152	58.5	42.8	64.2





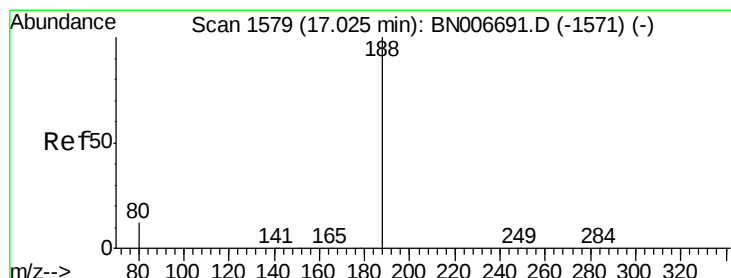
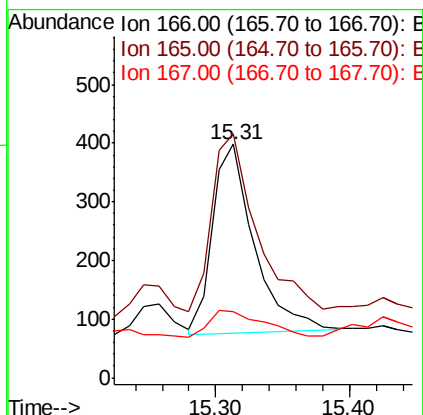
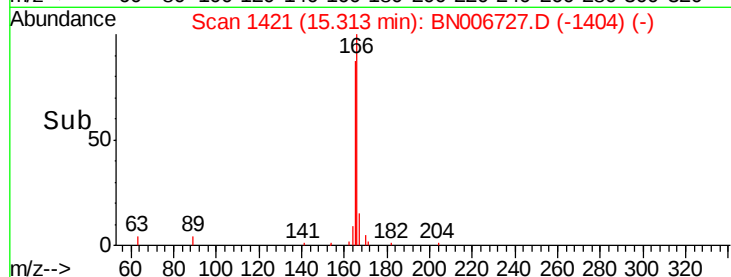
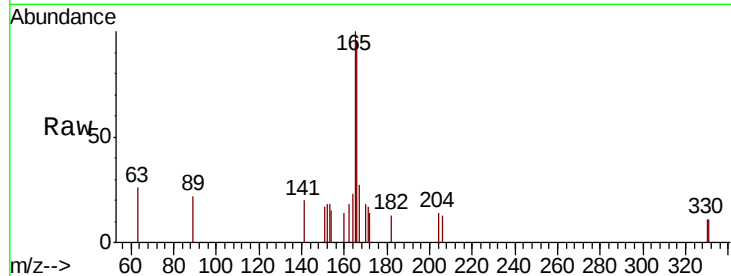
#18
Fluorene
 Concen: 0.027 ng
 RT: 15.31 min Scan# 1421
 Delta R.T. -0.01 min
 Lab File: BN006727.D
 Acq: 05 Jul 2019 21:44

Instrument :
 BNA_N
 ClientSampleId :
 PST-012-B226-062419

Tot Ion	Ratio	Lower	Upper
166	100		
165	106.5	78.0	117.0
167	18.2	10.7	16.1

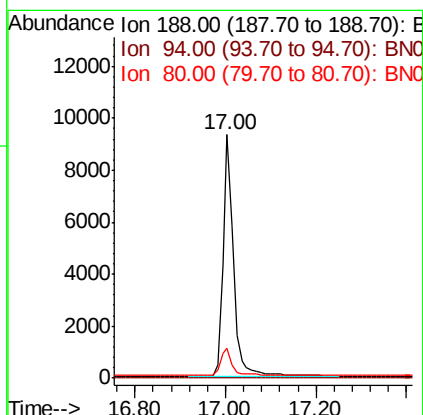
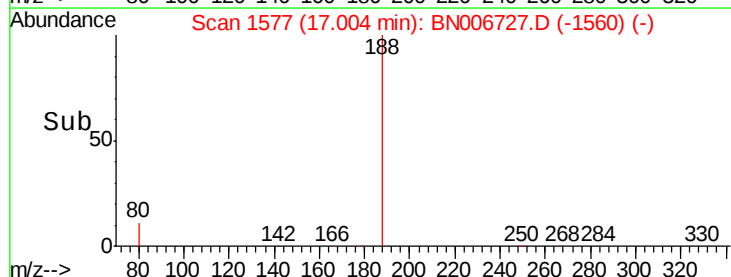
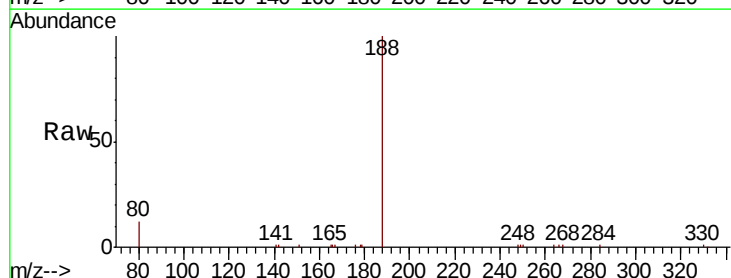
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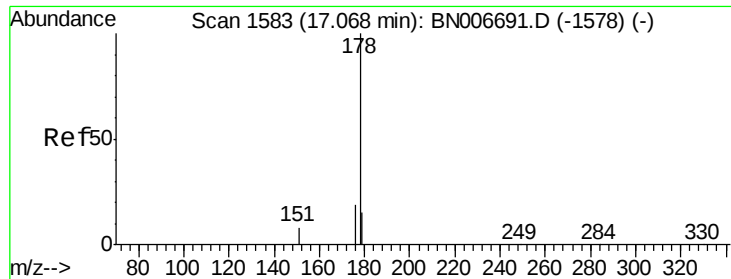
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#19
Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.00 min Scan# 1577
 Delta R.T. -0.02 min
 Lab File: BN006727.D
 Acq: 05 Jul 2019 21:44

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.1	10.3	15.5





#23

Phenanthrene

Concen: 0.393 ng

RT: 17.05 min Scan# 1581

Delta R.T. -0.02 min

Lab File: BN006727.D

Acq: 05 Jul 2019 21:44

Instrument :

BNA_N

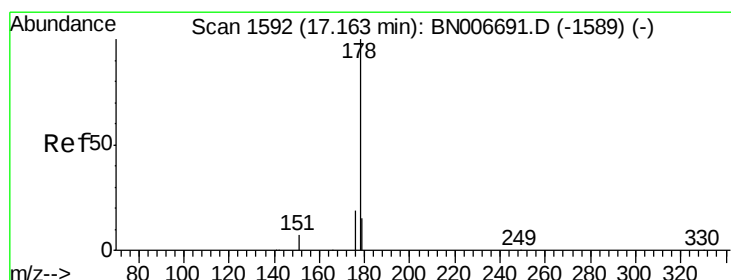
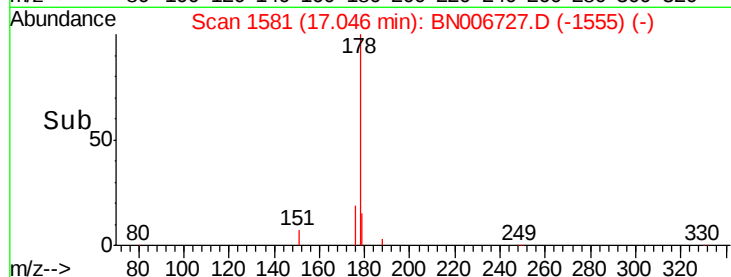
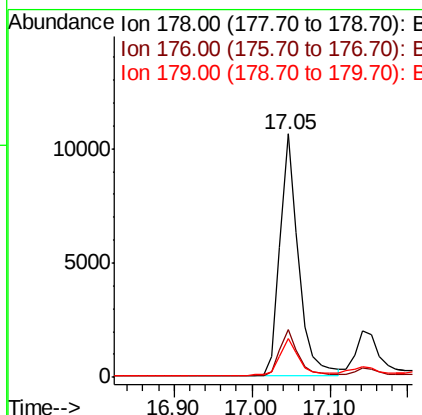
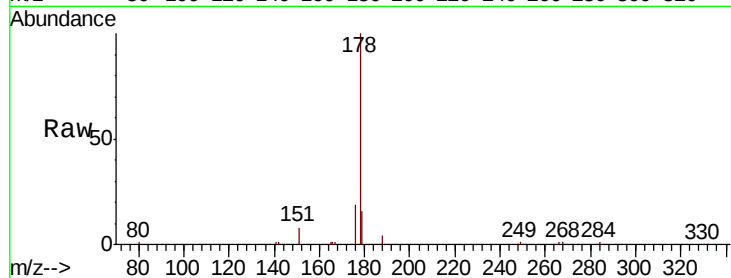
ClientSampleId :

PST-012-B226-062419

Tot Ion:178	Resp:	17401
Ion Ratio	Lower	Upper
178	100	
176	19.2	15.3 22.9
179	15.1	12.4 18.6

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#24

Anthracene

Concen: 0.102 ng

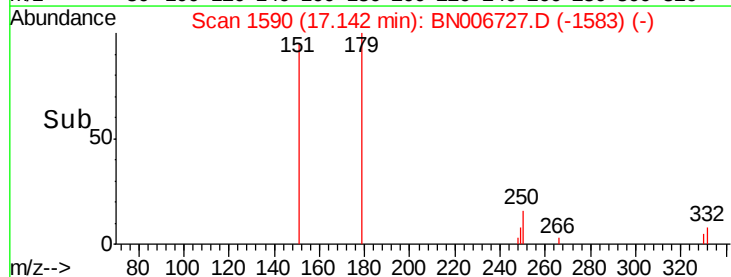
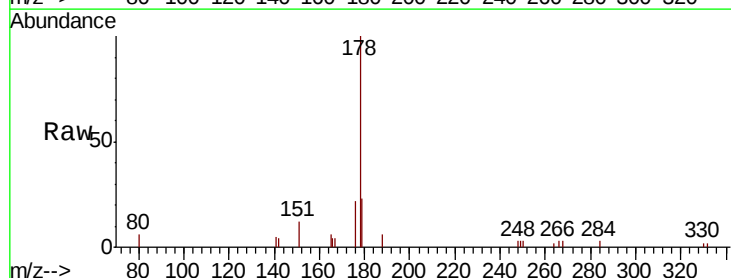
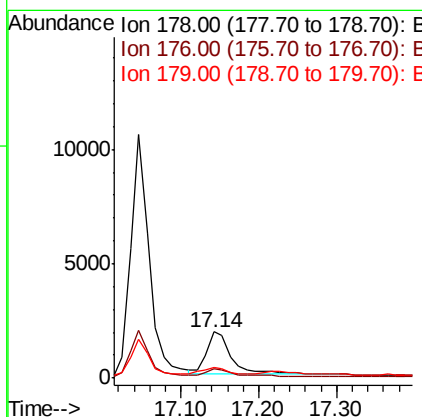
RT: 17.14 min Scan# 1590

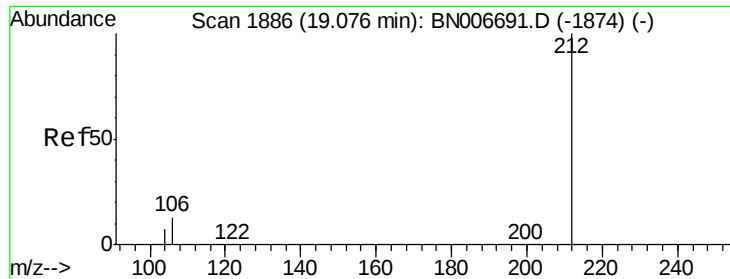
Delta R.T. -0.02 min

Lab File: BN006727.D

Acq: 05 Jul 2019 21:44

Tgt Ion:178	Resp:	4089
Ion Ratio	Lower	Upper
178	100	
176	16.8	14.8 22.2
179	14.3	11.9 17.9





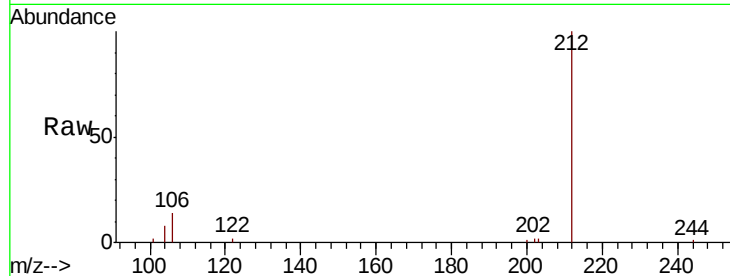
#25
 Fluoranthene-d10
 Concen: 0.272 ng
 RT: 19.05 min Scan# 1881
 Delta R.T. -0.02 min
 Lab File: BN006727.D
 Acq: 05 Jul 2019 21:44

Instrument :
 BNA_N
 ClientSampleId :
 PST-012-B226-062419

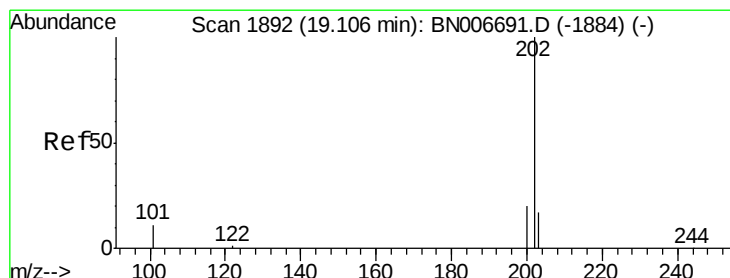
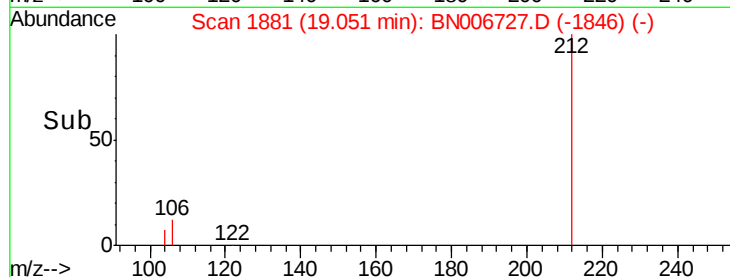
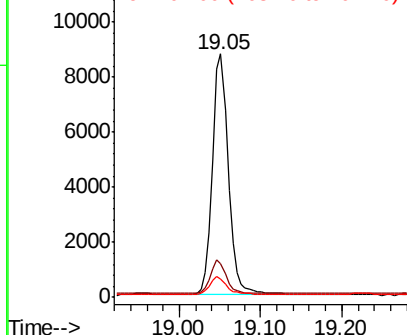
Tot Ion	Ratio	Lower	Upper
212	100		
106	13.7	11.0	16.6
104	7.7	6.1	9.1

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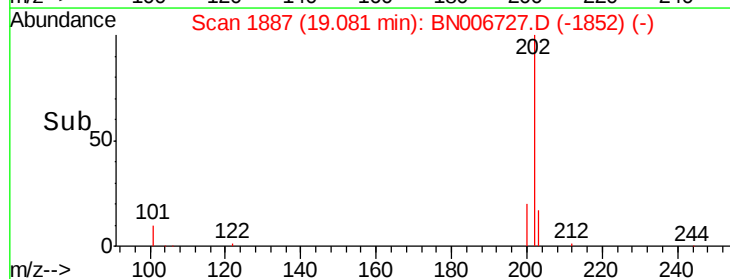
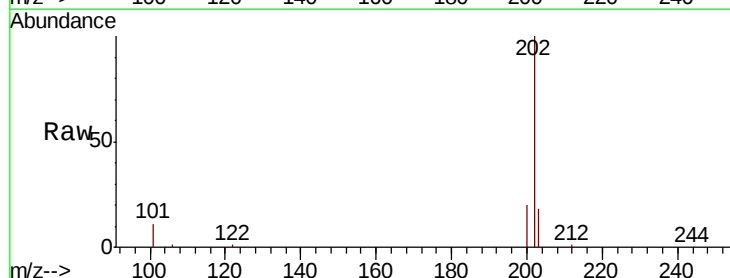
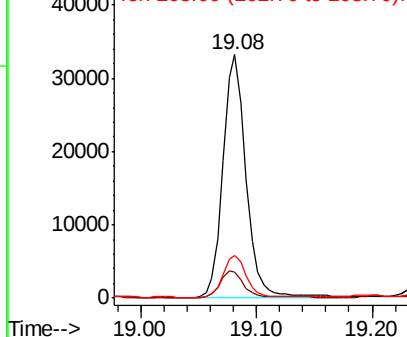
Abundance Ion 212.00 (211.70 to 212.70): E
 Ion 106.00 (105.70 to 106.70): E
 Ion 104.00 (103.70 to 104.70): E

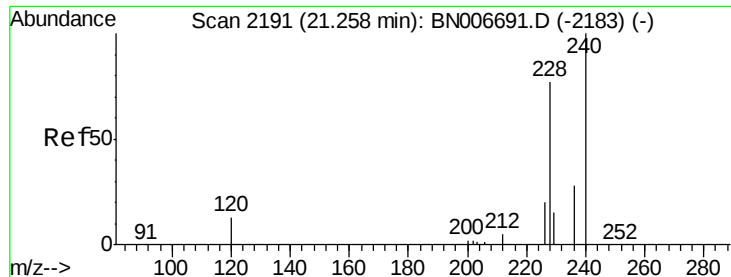


#26
 Fluoranthene
 Concen: 0.880 ng
 RT: 19.08 min Scan# 1887
 Delta R.T. -0.02 min
 Lab File: BN006727.D
 Acq: 05 Jul 2019 21:44

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.3	8.7	13.1
203	17.2	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





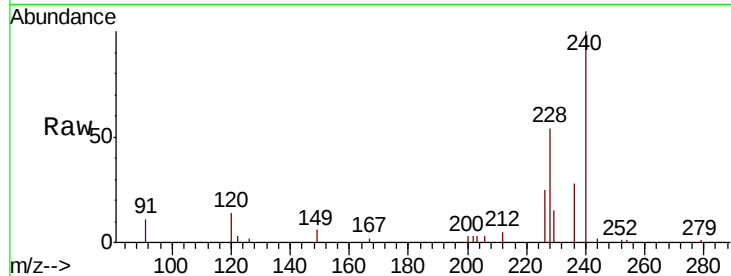
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.23 min Scan# 2188
Delta R.T. -0.03 min
Lab File: BN006727.D
Acq: 05 Jul 2019 21:44

Instrument :
BNA_N
ClientSampleId :
PST-012-B226-062419

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.9	12.9	19.3
236	27.8	23.2	34.8

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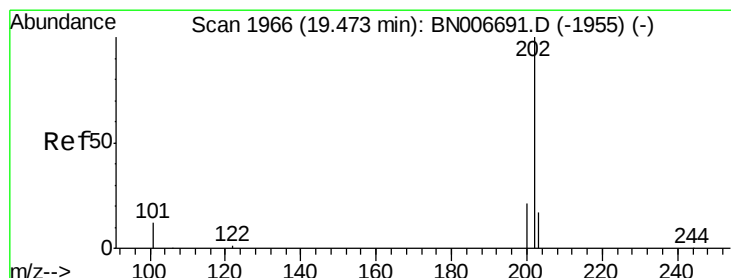
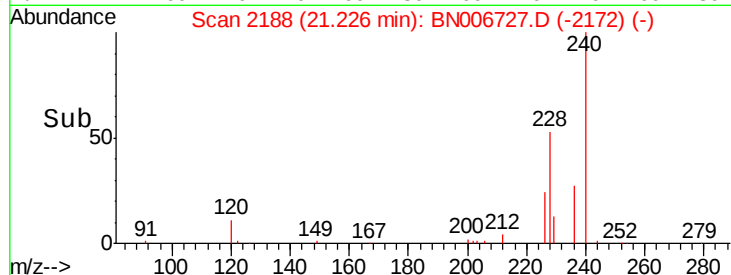
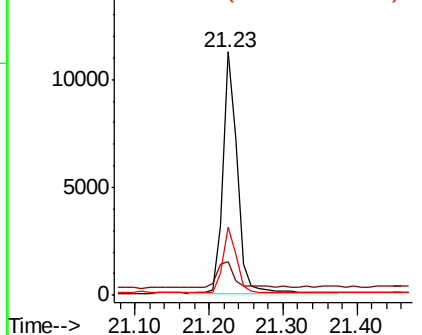


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28
Pyrene
Concen: 0.689 ng
RT: 19.44 min Scan# 1960
Delta R.T. -0.03 min
Lab File: BN006727.D
Acq: 05 Jul 2019 21:44

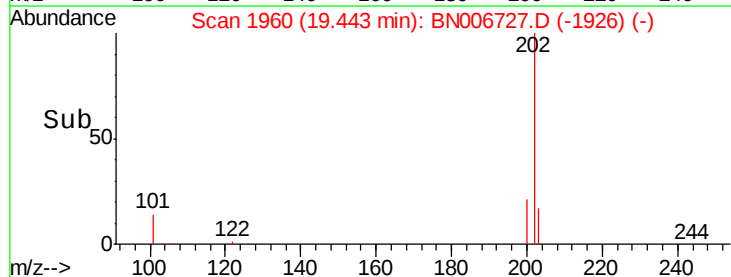
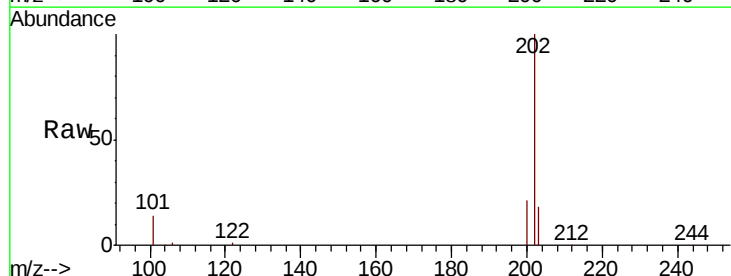
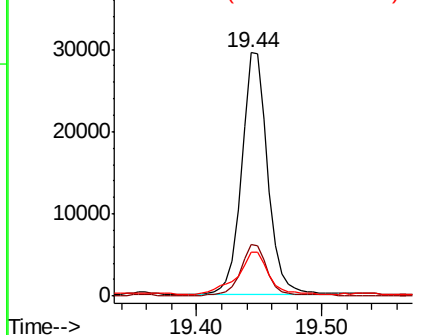
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	21.0	14.2	21.2

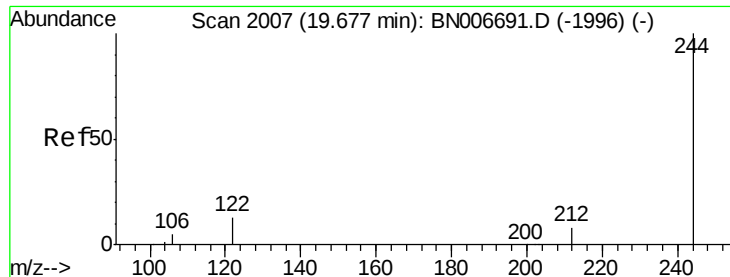
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





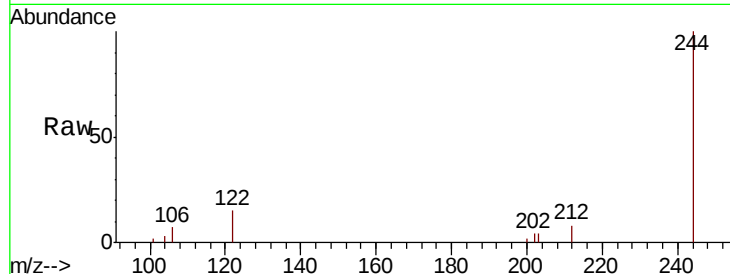
#29
Terphenyl-d14
Concen: 0.233 ng
RT: 19.65 min Scan# 2002
Delta R.T. -0.02 min
Lab File: BN006727.D
Acq: 05 Jul 2019 21:44

Instrument :
BNA_N
ClientSampleId :
PST-012-B226-062419

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.5	7.0	10.4
122	15.3	11.5	17.3

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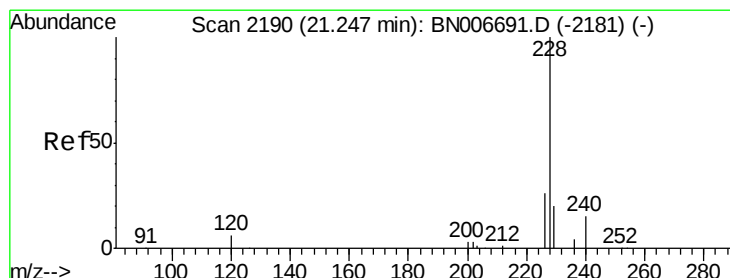
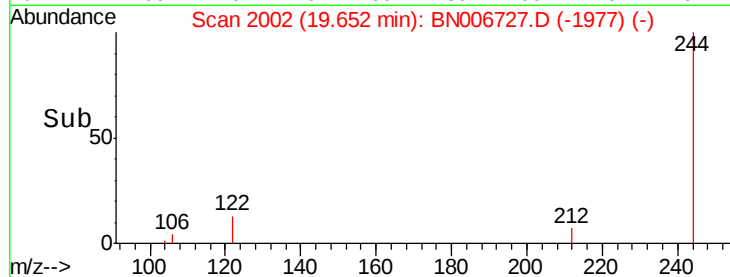
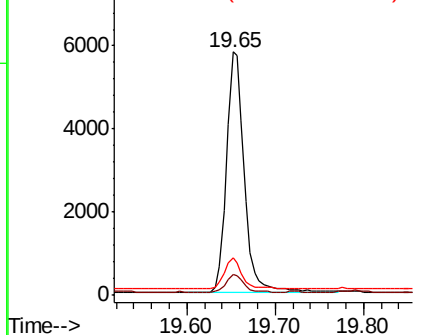


Abundance

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: 0.539 ng
RT: 21.22 min Scan# 2187
Delta R.T. -0.03 min
Lab File: BN006727.D
Acq: 05 Jul 2019 21:44

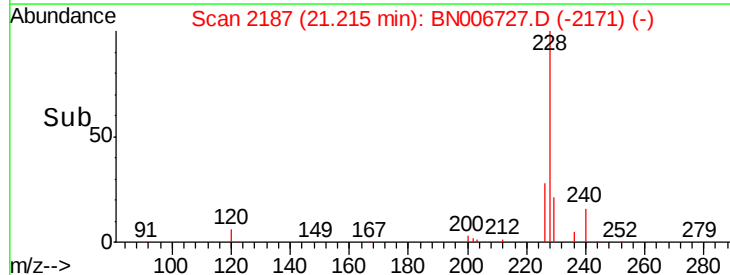
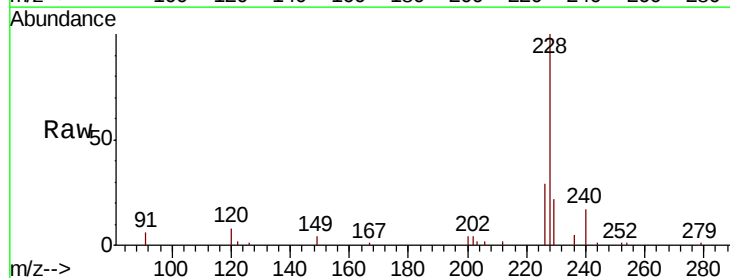
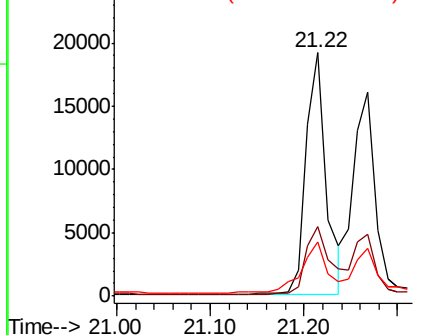
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	21.5	32.3
229	22.2	16.2	24.4

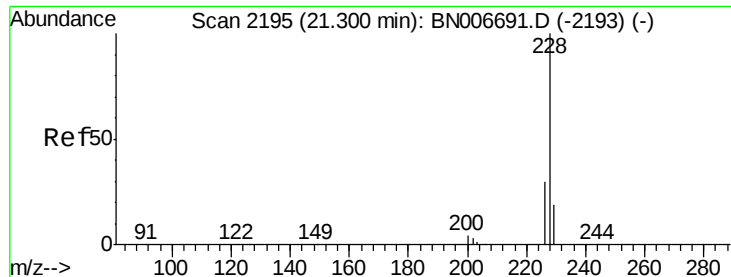
Abundance

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





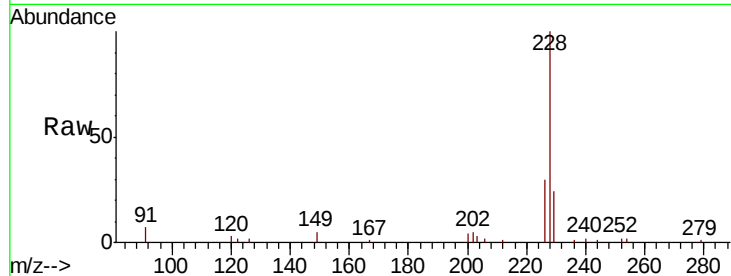
#31
Chrysene
Concen: 0.468 ng
RT: 21.27 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BN006727.D
Acq: 05 Jul 2019 21:44

Instrument :
BNA_N
ClientSampleId :
PST-012-B226-062419

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.2	36.2
229	23.5	15.8	23.6

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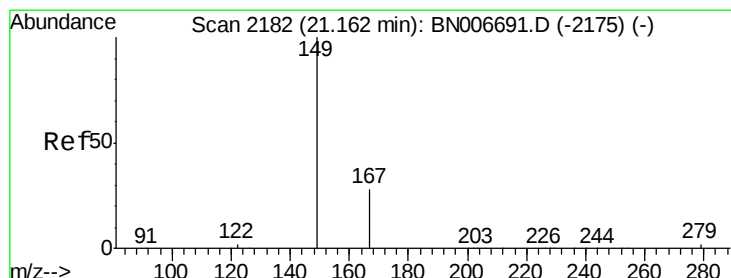
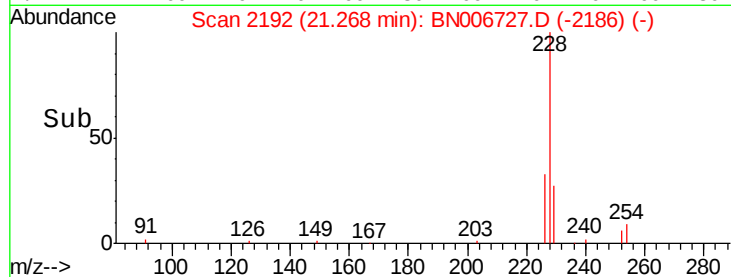
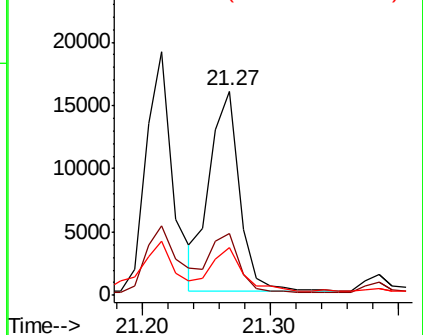


Abundance

Ion 228.00 (227.70 to 228.70): E

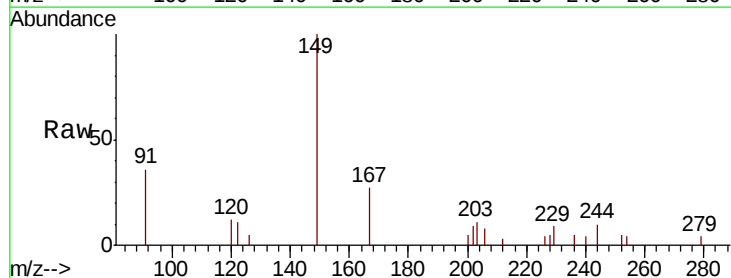
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32
Bis(2-ethylhexyl)phthalate
Concen: 0.021 ng
RT: 21.13 min Scan# 2179
Delta R.T. -0.03 min
Lab File: BN006727.D
Acq: 05 Jul 2019 21:44

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.9	34.3
279	5.0	3.2	4.8#

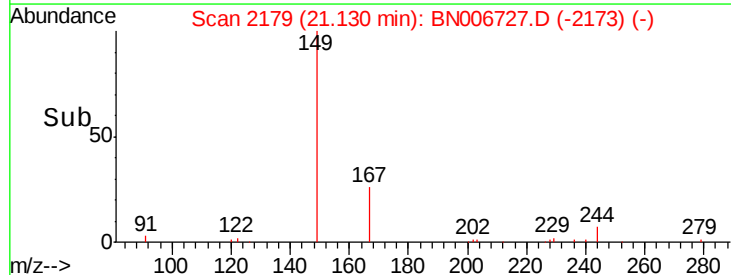
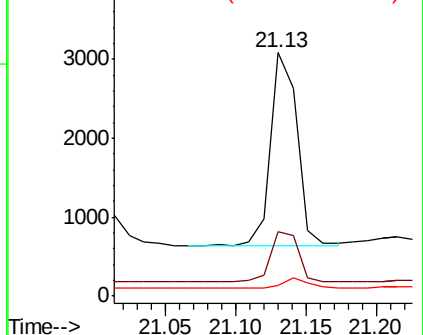


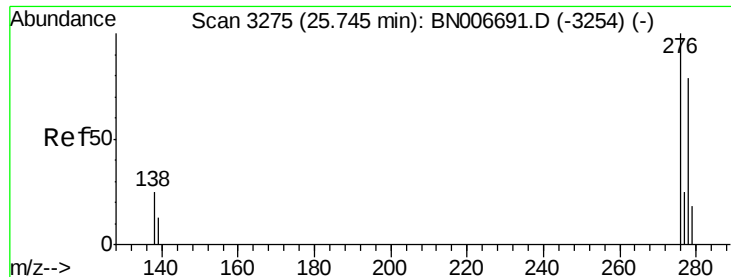
Abundance

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





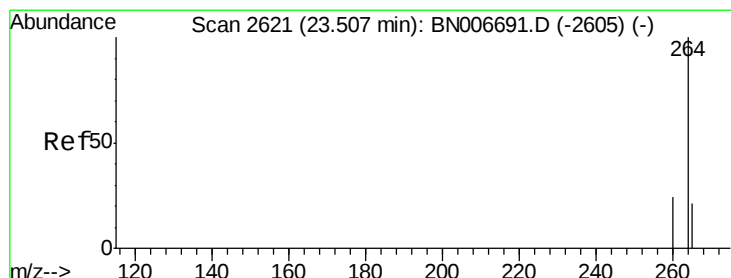
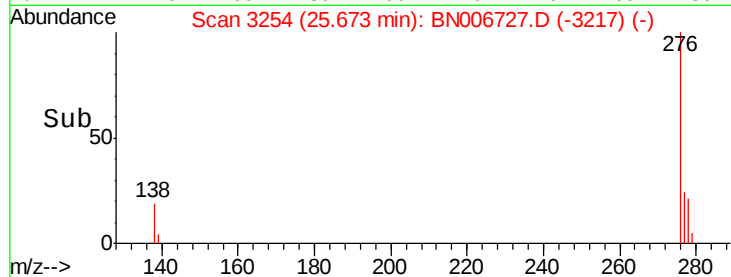
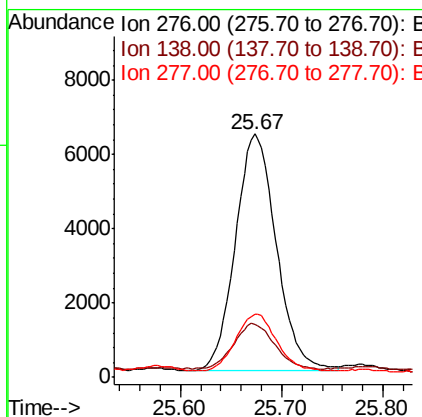
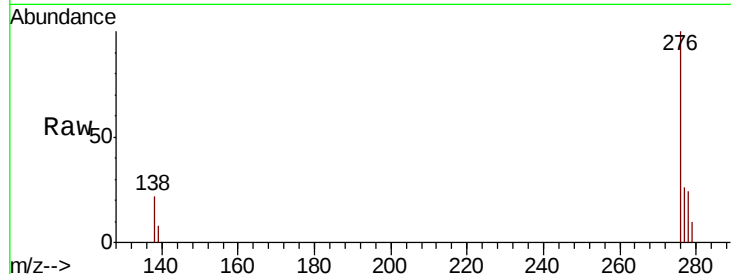
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.274 ng
 RT: 25.67 min Scan# 3254
 Delta R.T. -0.07 min
 Lab File: BN006727.D
 Acq: 05 Jul 2019 21:44

Instrument :
 BNA_N
 ClientSampleId :
 PST-012-B226-062419

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.8	19.5	29.3
277	23.6	19.7	29.5

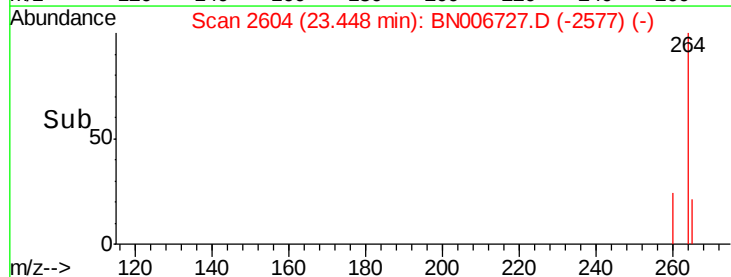
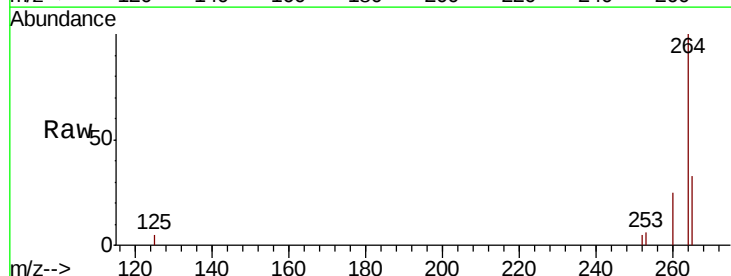
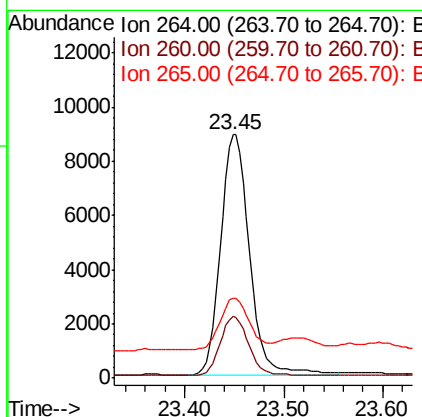
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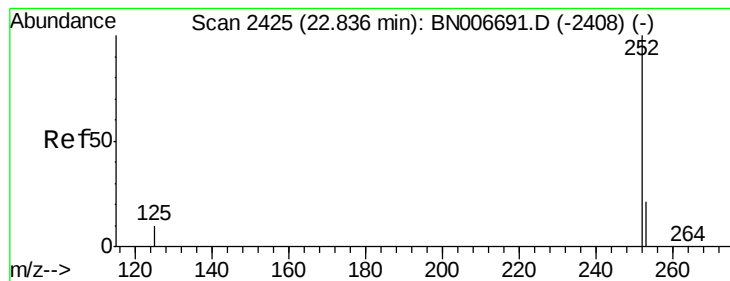
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#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.45 min Scan# 2604
 Delta R.T. -0.06 min
 Lab File: BN006727.D
 Acq: 05 Jul 2019 21:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.2	30.2
265	32.6	33.7	50.5#





#35

Benzo(b)fluoranthene

Concen: 0.634 ng

RT: 22.79 min Scan# 2412

Delta R.T. -0.04 min

Lab File: BN006727.D

Acq: 05 Jul 2019 21:44

Instrument :

BNA_N

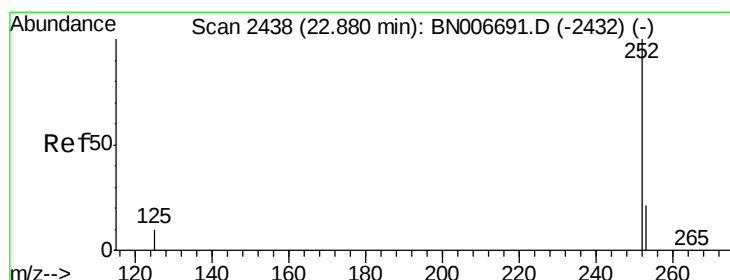
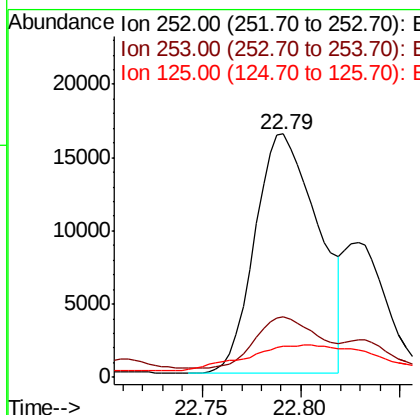
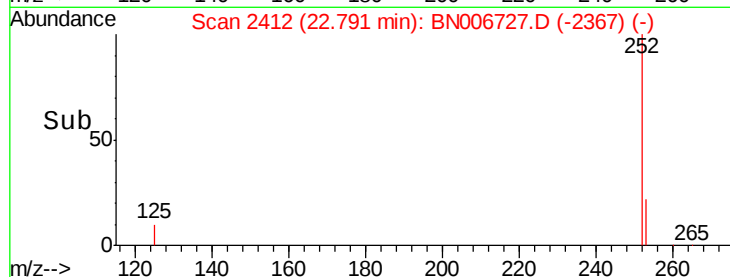
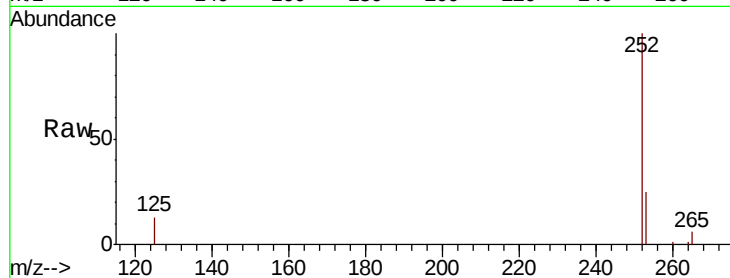
ClientSampleId :

PST-012-B226-062419

Tot Ion:	252	Resp:	36207
Ion Ratio	Lower	Upper	
252	100		
253	25.1	20.2	30.2
125	12.8	11.5	17.3

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#36

Benzo(k)fluoranthene

Concen: 0.219 ng m

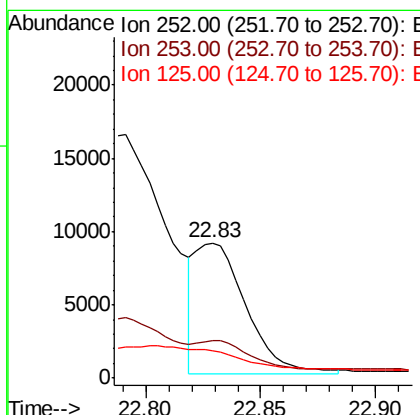
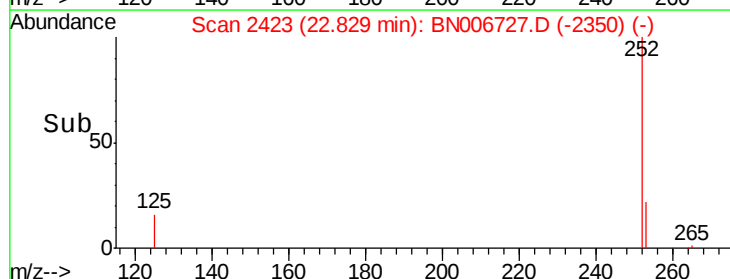
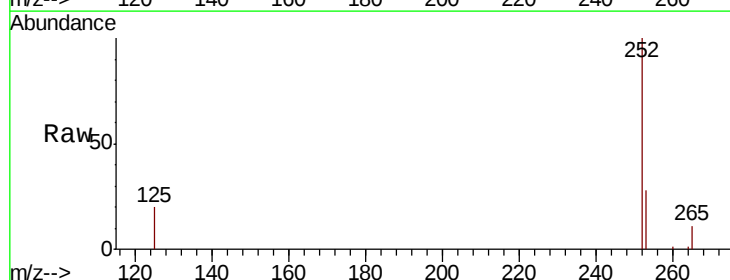
RT: 22.83 min Scan# 2423

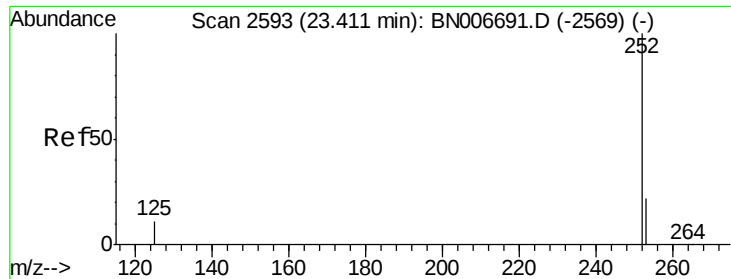
Delta R.T. -0.05 min

Lab File: BN006727.D

Acq: 05 Jul 2019 21:44

Tgt Ion:	252	Resp:	13536
Ion Ratio	Lower	Upper	
252	100		
253	27.8	20.1	30.1
125	20.1	11.4	17.0#





#37

Benzo(a)pyrene

Concen: 0.471 ng/mL

RT: 23.36 min Scan# 2577

Delta R.T. -0.05 min

Lab File: BN006727.D

Acq: 05 Jul 2019 21:44

Instrument :

BNA_N

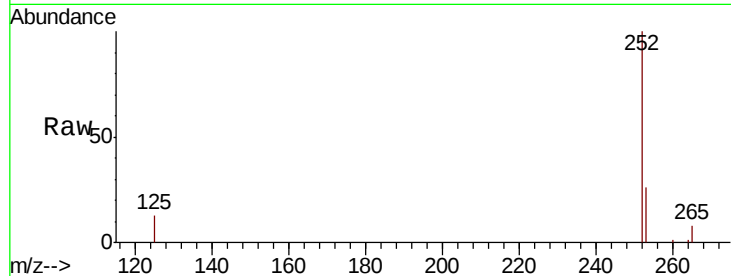
ClientSampleId :

PST-012-B226-062419

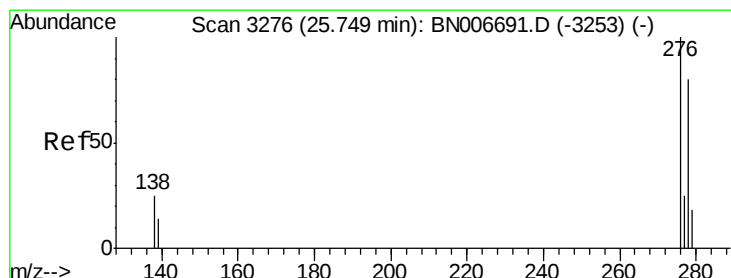
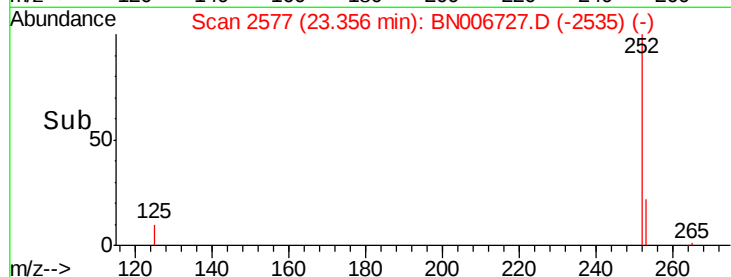
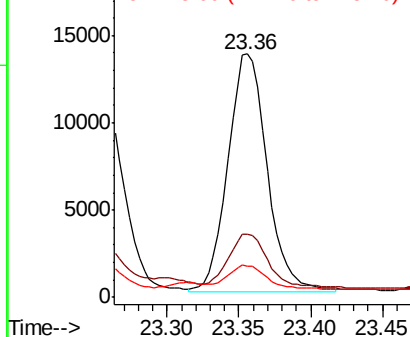
Tot Ion:	252	Resp:	26038
Ion Ratio	Lower	Upper	
252	100		
253	25.9	21.4	32.2
125	13.0	13.3	19.9#

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



#38

Dibenzo(a,h)anthracene

Concen: 0.087 ng/mL

RT: 25.68 min Scan# 3255

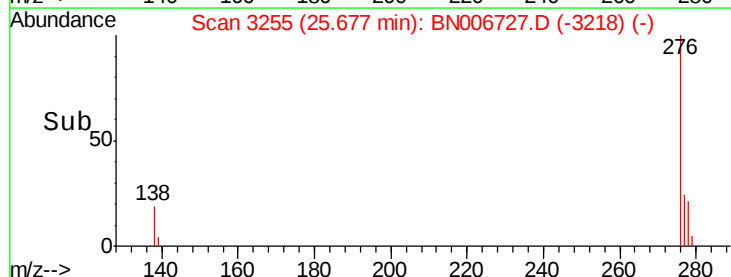
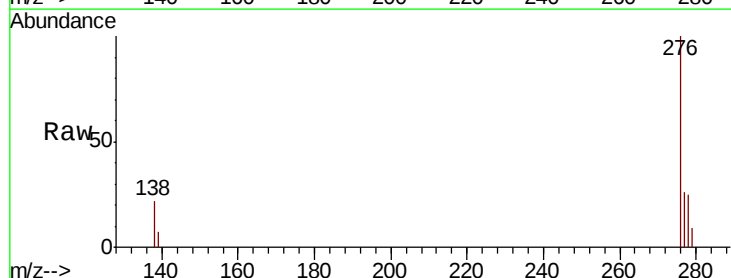
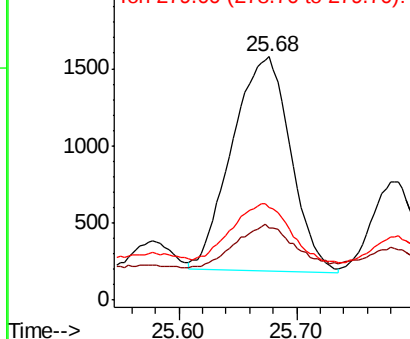
Delta R.T. -0.07 min

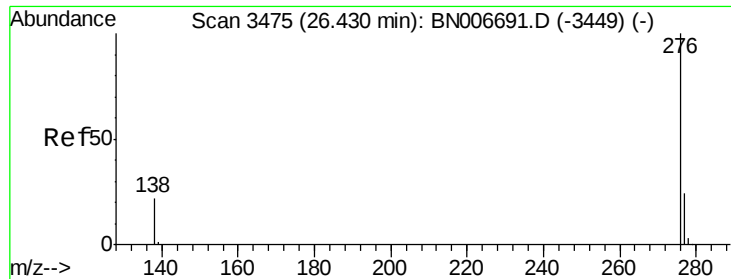
Lab File: BN006727.D

Acq: 05 Jul 2019 21:44

Tgt Ion:	278	Resp:	4777
Ion Ratio	Lower	Upper	
278	100		
139	29.8	16.2	24.4#
279	38.2	20.7	31.1#

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





#39

Benzo(a,h,i)perylene

Concen: 0.293 ng

RT: 26.35 min Scan# 3451

Delta R.T. -0.08 min

Lab File: BN006727.D

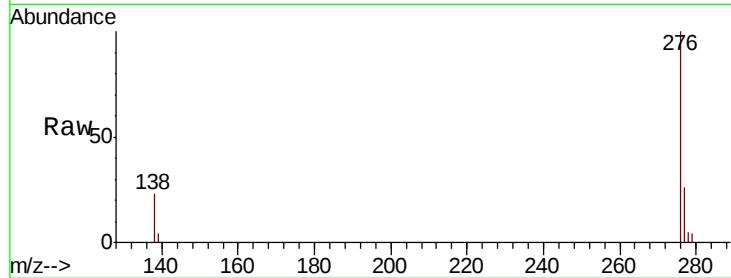
Acq: 05 Jul 2019 21:44

Instrument :

BNA_N

ClientSampleId :

PST-012-B226-062419



Tot Ion:	276	Resp:	16580
Ion Ratio	Lower	Upper	
276	100		
277	25.7	20.6	30.8
138	22.8	19.7	29.5

Manual Integrations
APPROVED

mohammad
7/8/2019 2:16:18 PM

