

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100319\
 Data File : BN007987.D
 Acq On : 03 Oct 2019 19:12
 Operator : JU
 Sample : K5077-05
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B275-092519

Manual Integrations
 APPROVED

mohammad
 10/7/2019 8:27:14 AM

Quant Time: Oct 04 08:34:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 03 18:39:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	4792	0.40	ng	-0.02
7) Naphthalene-d8	10.46	136	19973	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	12978	0.40	ng	-0.02
19) Phenanthrene-d10	17.06	188	28823	0.40	ng	-0.01
27) Chrysene-d12	21.25	240	31678	0.40	ng	-0.02
34) Perylene-d12	23.46	264	33812	0.40	ng	-0.03

System Monitoring Compounds						
4) 2-Fluorophenol	5.30	112	3505	0.21	ng	-0.02
5) Phenol-d6	6.86	99	4864	0.23	ng	0.00
8) Nitrobenzene-d5	8.82	82	3928	0.22	ng	-0.01
11) 2-Methylnaphthalene-d10	12.05	152	8192	0.24	ng	-0.02
14) 2,4,6-Tribromophenol	15.80	330	1567	0.22	ng	-0.02
15) 2-Fluorobiphenyl	12.93	172	11368	0.21	ng	-0.02
25) Fluoranthene-d10	19.09	212	22332	0.23	ng	-0.02
29) Terphenyl-d14	19.70	244	17138	0.22	ng	-0.02

Target Compounds				Qvalue		
16) Acenaphthylene	14.02	152	2355	0.034	ng	98
17) Acenaphthene	14.36	154	940	0.021	ng	96
18) Fluorene	15.36	166	1433	0.025	ng	# 92
23) Phenanthrene	17.10	178	35430	0.395	ng	100
24) Anthracene	17.18	178	4542	0.056	ng	97
26) Fluoranthene	19.12	202	77416	0.693	ng	99
28) Pyrene	19.48	202	61691	0.571	ng	# 96
30) Benzo(a)anthracene	21.23	228	31814	0.273	ng	97
31) Chrysene	21.28	228	35122	0.309	ng	96
32) Bis(2-ethylhexyl)phthalate	21.18	149	9118	0.152	ng	94
33) Indeno(1,2,3-cd)pyrene	25.66	276	21937	0.154	ng	# 94
35) Benzo(b)fluoranthene	22.81	252	46740	0.398	ng	# 91
36) Benzo(k)fluoranthene	22.84	252	16362m	0.141	ng	
37) Benzo(a)pyrene	23.37	252	28775	0.261	ng	# 87
38) Dibenzo(a,h)anthracene	25.67	278	5586	0.049	ng	# 54
39) Benzo(g,h,i)perylene	26.34	276	21135	0.189	ng	# 93

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

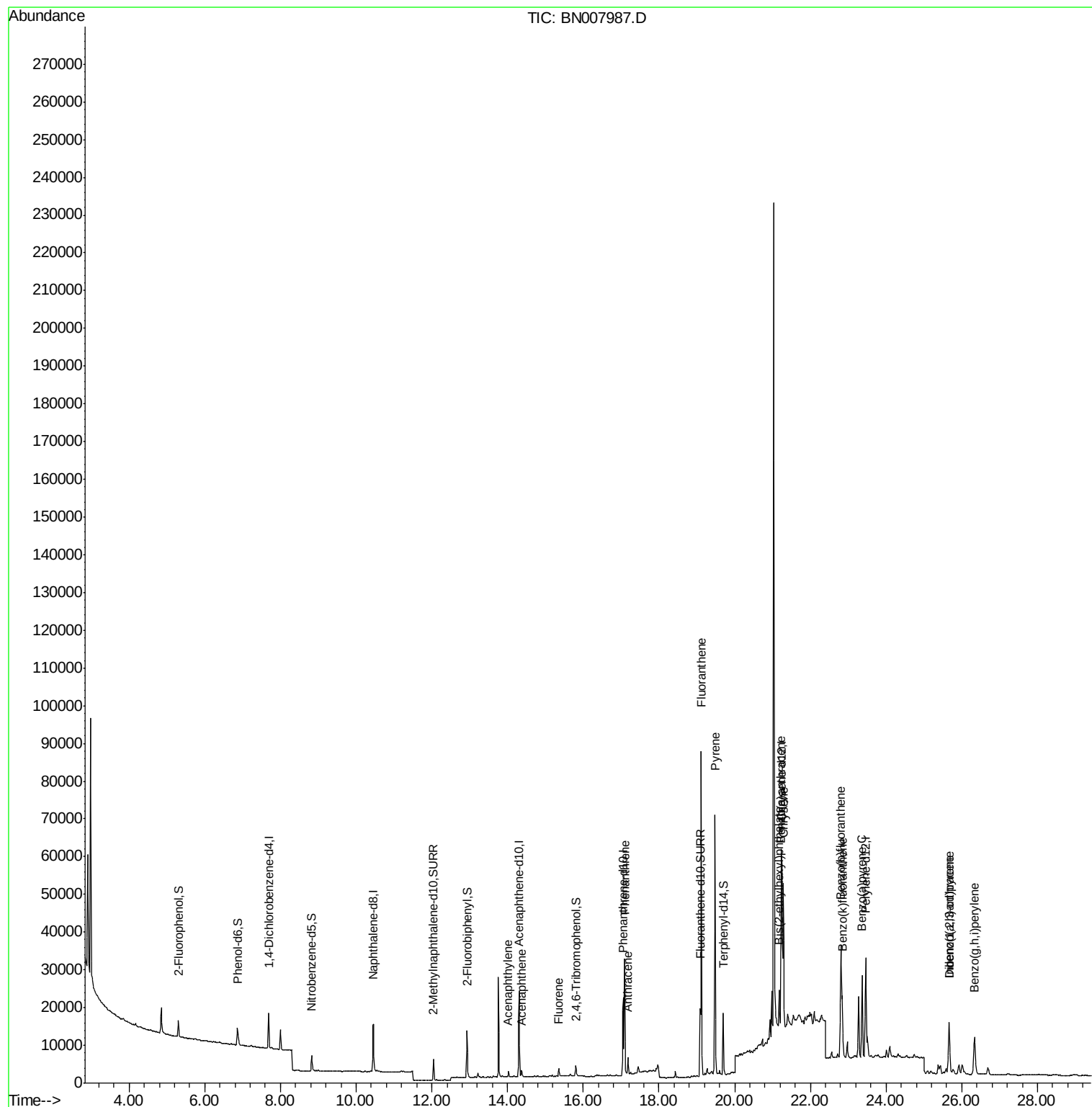
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100319\
Data File : BN007987.D
Acq On : 03 Oct 2019 19:12
Operator : JU
Sample : K5077-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

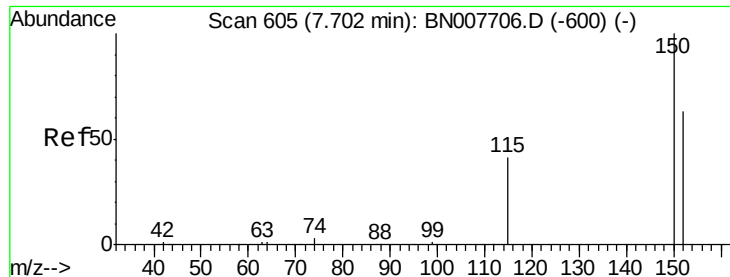
Instrument :
BNA_N
ClientSampleId :
PST-024-B275-092519

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

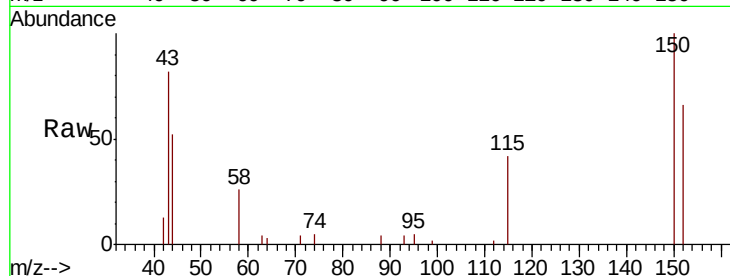
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 603
Delta R.T. -0.02 min
Lab File: BN007987.D
Acq: 03 Oct 2019 19:12

Instrument :
BNA_N
ClientSampleId :
PST-024-B275-092519

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.5	125.6	188.4
115	63.0	53.3	79.9

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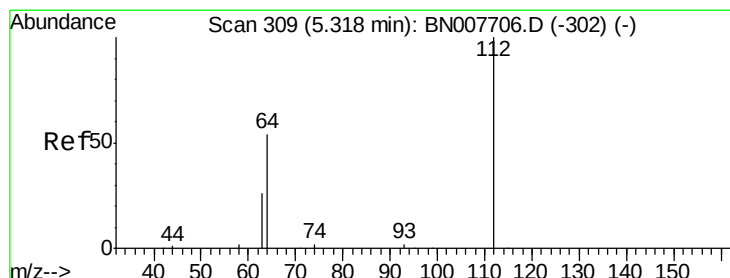
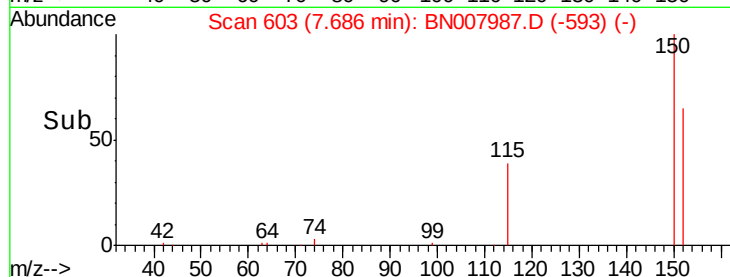
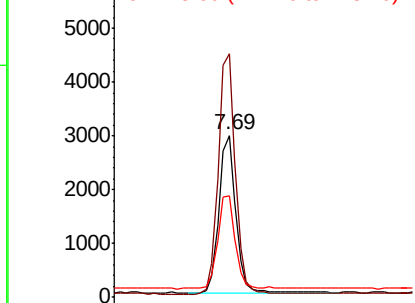


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

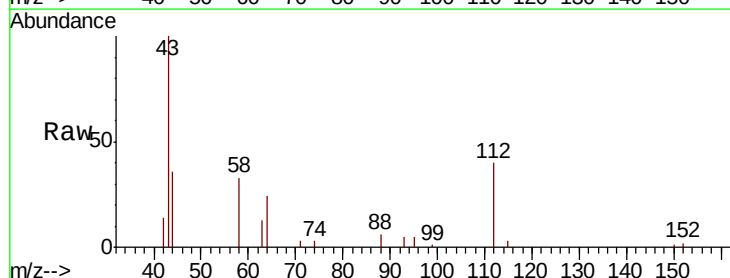
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.213 ng
RT: 5.30 min Scan# 307
Delta R.T. -0.02 min
Lab File: BN007987.D
Acq: 03 Oct 2019 19:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	46.6	70.0
63	29.1	23.1	34.7

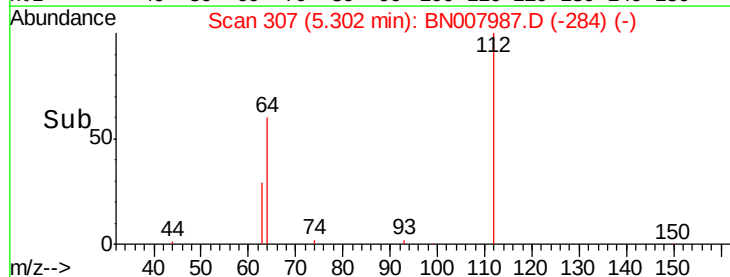
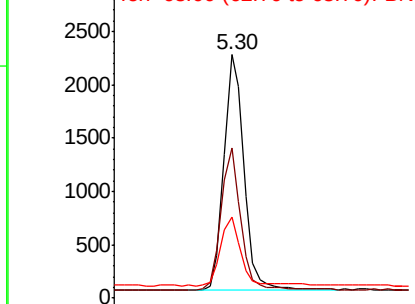


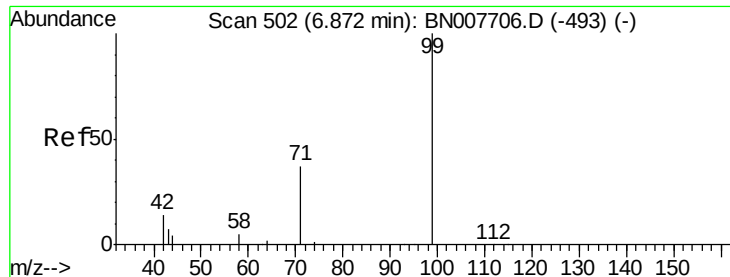
Abundance

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: 0.234 ng

RT: 6.86 min Scan# 501

Delta R.T. -0.01 min

Lab File: BN007987.D

Acq: 03 Oct 2019 19:12

Instrument :

BNA_N

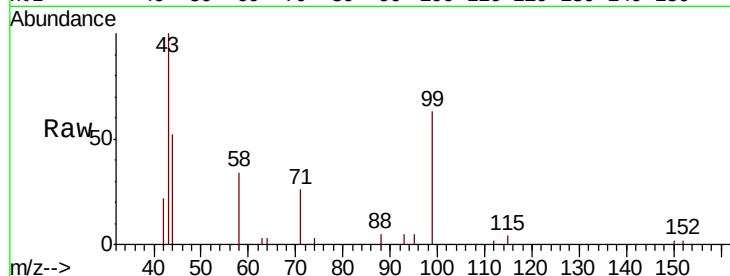
ClientSampleId :

PST-024-B275-092519

Tot Ion:	99	Resp:	4864
Ion	Ratio	Lower	Upper
99	100		
42	17.9	12.8	19.2
71	34.8	27.6	41.4

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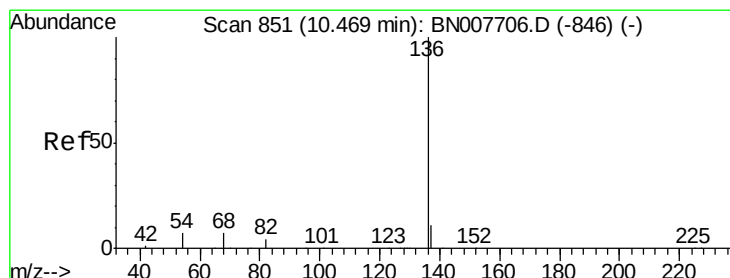
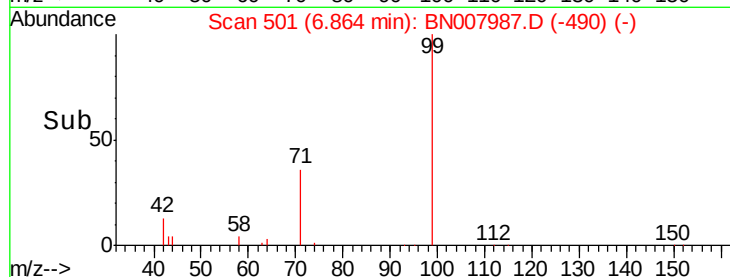
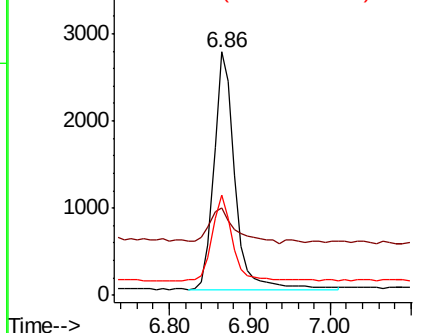


Abundance

Ion 99.00 (98.70 to 99.70): BN007706.D (-493) (-)

Ion 42.00 (41.70 to 42.70): BN007706.D (-493) (-)

Ion 71.00 (70.70 to 71.70): BN007706.D (-493) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.46 min Scan# 850

Delta R.T. -0.01 min

Lab File: BN007987.D

Acq: 03 Oct 2019 19:12

Tgt Ion:	136	Resp:	19973
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	5.0	5.8	8.8#
68	5.7	6.5	9.7#

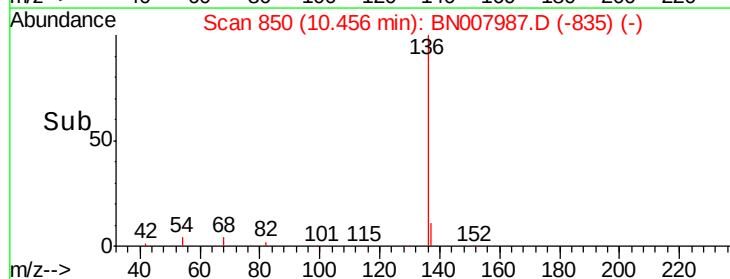
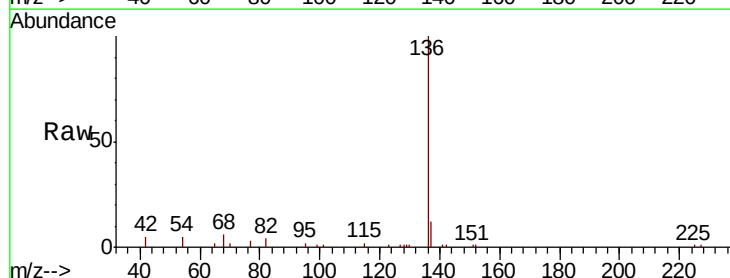
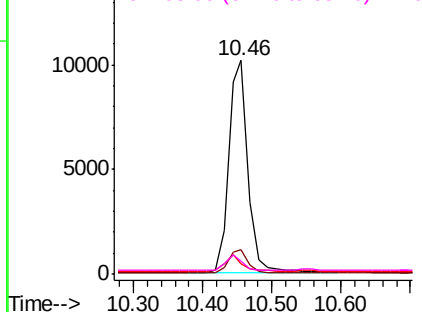
Abundance

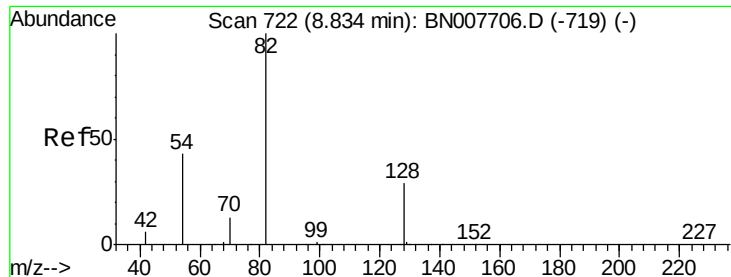
Ion 136.00 (135.70 to 136.70): BN007706.D (-846) (-)

Ion 137.00 (136.70 to 137.70): BN007706.D (-846) (-)

Ion 54.00 (53.70 to 54.70): BN007706.D (-846) (-)

Ion 68.00 (67.70 to 68.70): BN007706.D (-846) (-)





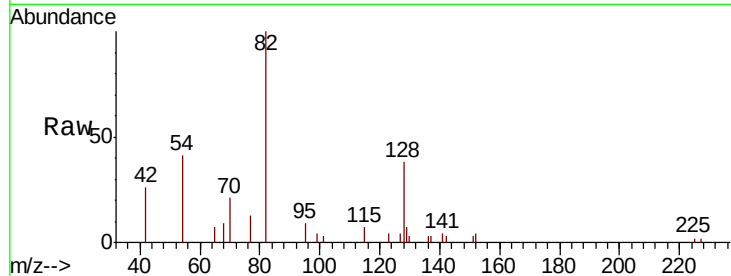
#8
 Nitrobenzene-d5
 Concen: 0.225 ng
 RT: 8.82 min Scan# 721
 Delta R.T. -0.01 min
 Lab File: BN007987.D
 Acq: 03 Oct 2019 19:12

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B275-092519

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.3	24.5	36.7#
54	41.1	35.2	52.8

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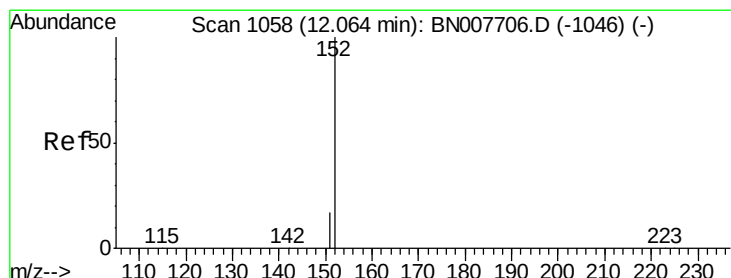
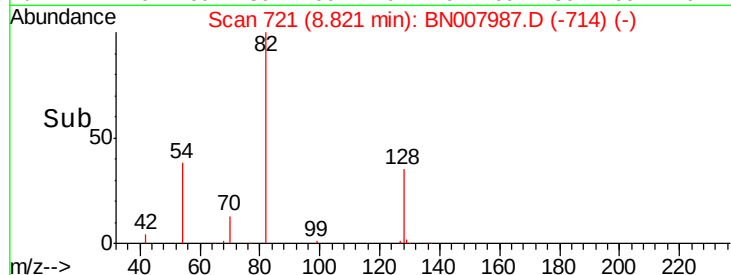
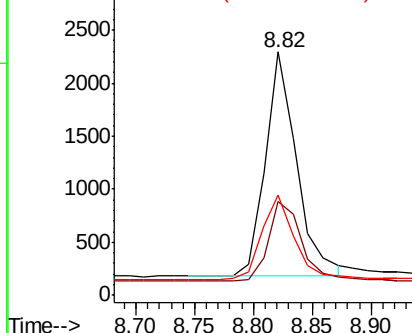


Abundance

Ion 82.00 (81.70 to 82.70): BN007706.D (-719) (-)

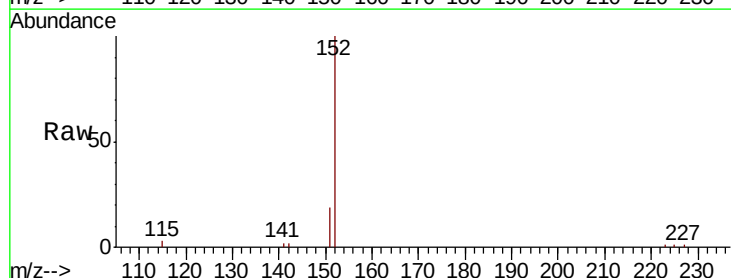
Ion 128.00 (127.70 to 128.70): BN007706.D (-719) (-)

Ion 54.00 (53.70 to 54.70): BN007706.D (-719) (-)



#11
 2-Methylnaphthalene-d10
 Concen: 0.243 ng
 RT: 12.05 min Scan# 1054
 Delta R.T. -0.02 min
 Lab File: BN007987.D
 Acq: 03 Oct 2019 19:12

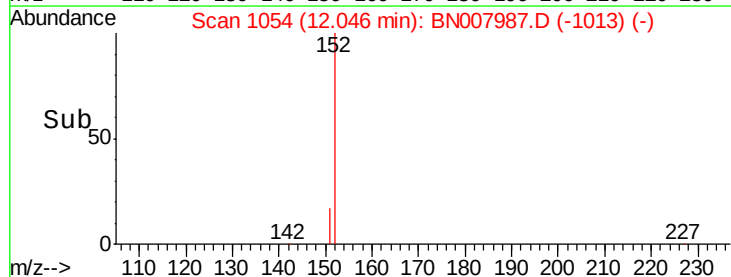
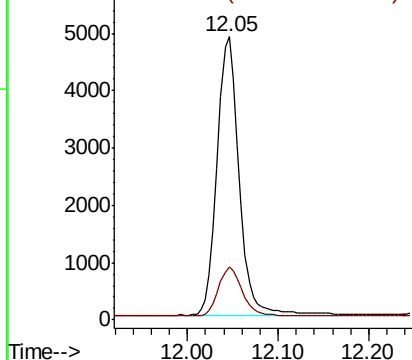
Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.8	15.4	23.2

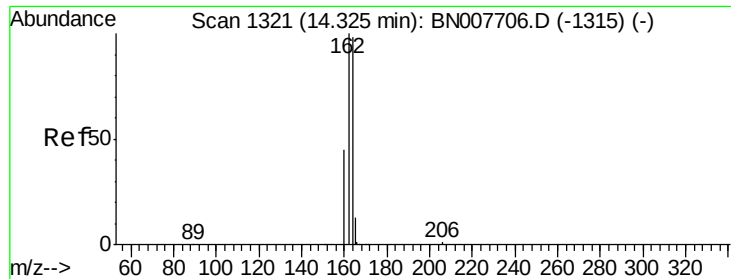


Abundance

Ion 152.00 (151.70 to 152.70): BN007706.D (-1046) (-)

Ion 151.00 (150.70 to 151.70): BN007706.D (-1046) (-)





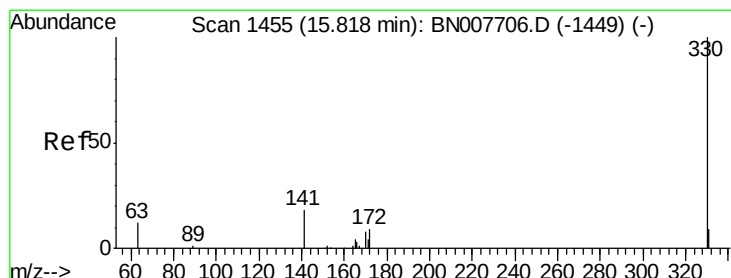
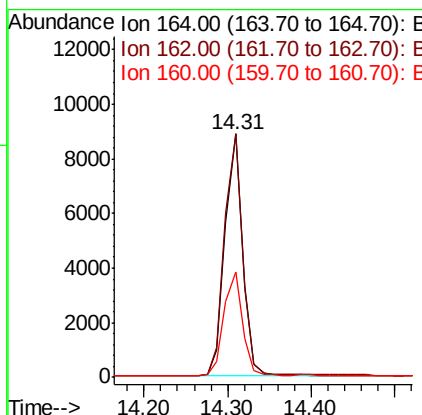
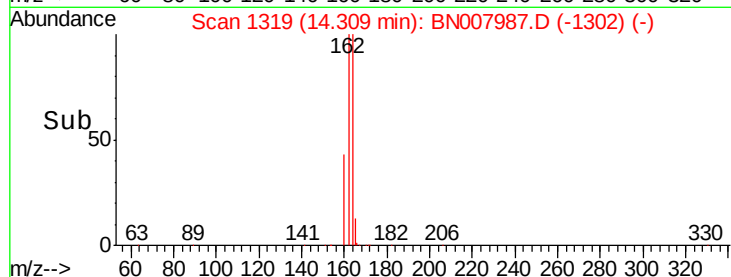
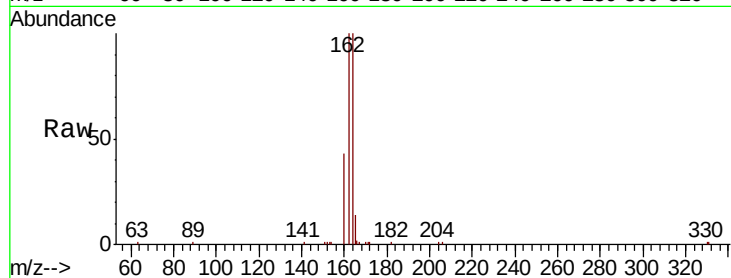
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 1319
Delta R.T. -0.02 min
Lab File: BN007987.D
Acq: 03 Oct 2019 19:12

Instrument :
BNA_N
ClientSampleId :
PST-024-B275-092519

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.8	81.7	122.5
160	43.4	37.0	55.4

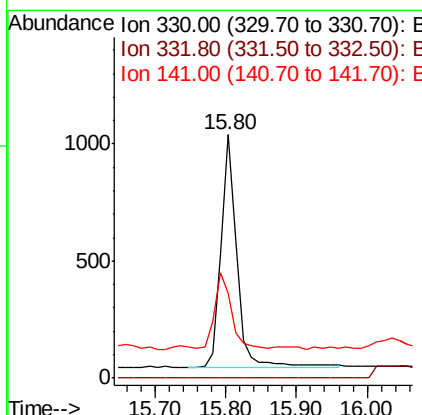
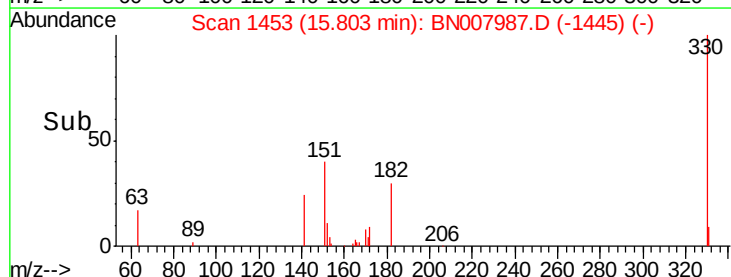
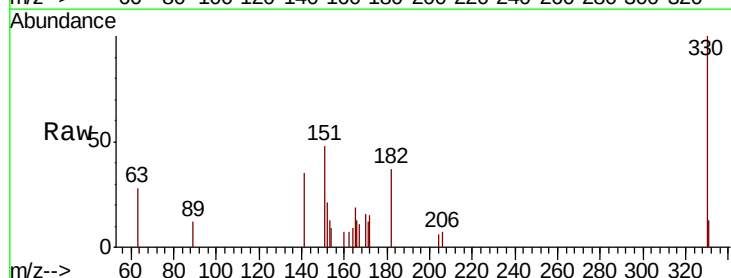
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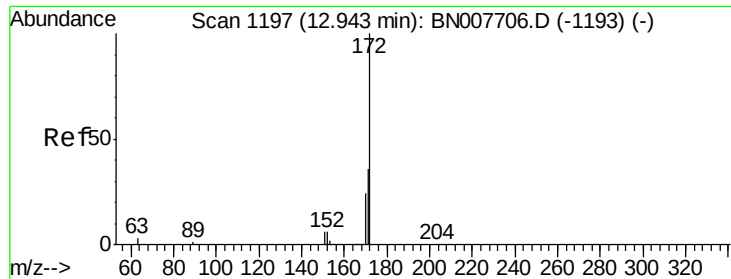
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#14
2,4,6-Tribromophenol
Concen: 0.222 ng
RT: 15.80 min Scan# 1453
Delta R.T. -0.02 min
Lab File: BN007987.D
Acq: 03 Oct 2019 19:12

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	33.2	28.7	43.1





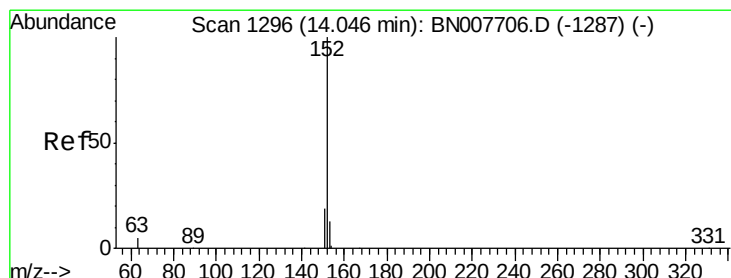
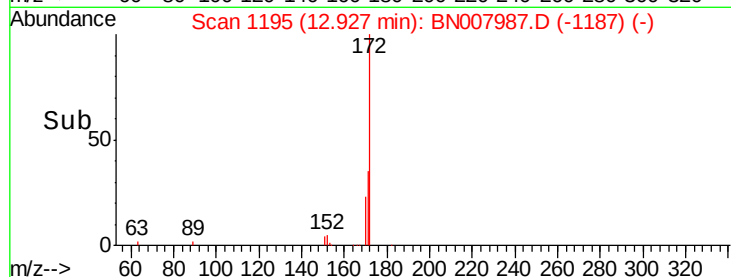
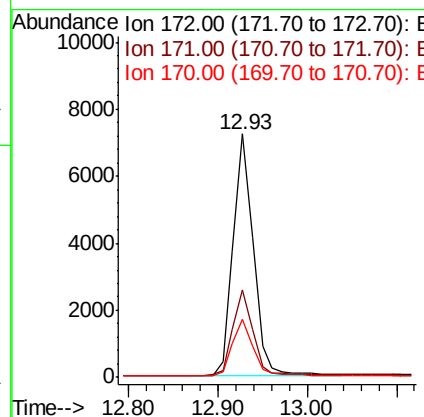
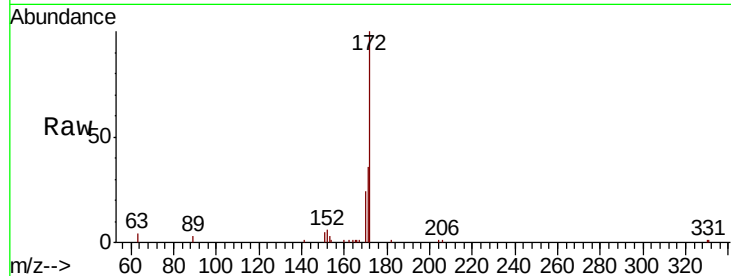
#15
2-Fluorobiphenyl
Concen: 0.213 ng
RT: 12.93 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BN007987.D
Acq: 03 Oct 2019 19:12

Instrument :
BNA_N
ClientSampleId :
PST-024-B275-092519

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.8	43.2
170	23.7	19.5	29.3

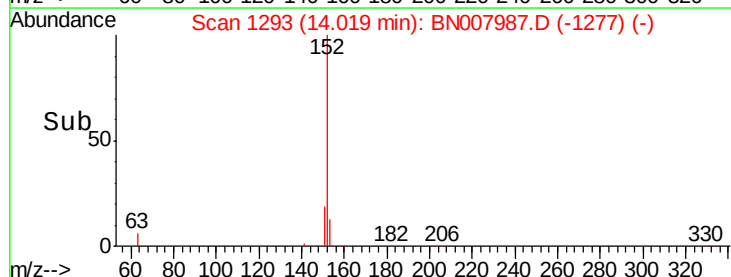
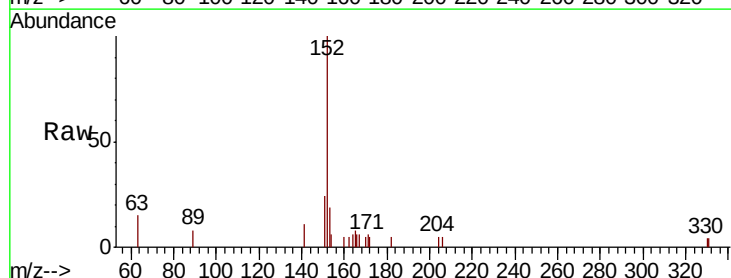
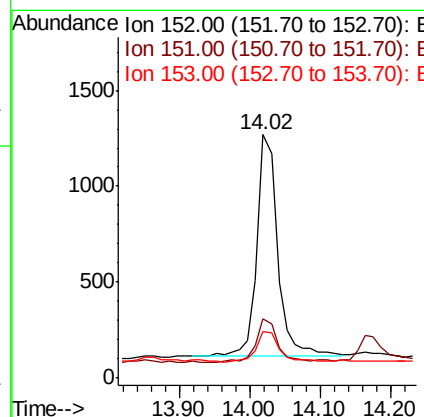
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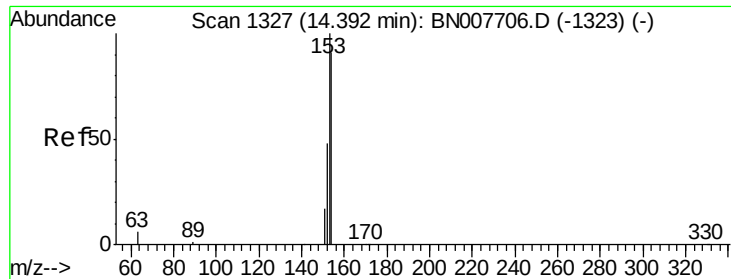
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#16
Acenaphthylene
Concen: 0.034 ng
RT: 14.02 min Scan# 1293
Delta R.T. -0.03 min
Lab File: BN007987.D
Acq: 03 Oct 2019 19:12

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.5	23.3
153	15.0	10.4	15.6





#17

Acenaphthene

Concen: 0.021 ng

RT: 14.36 min Scan# 1324

Delta R.T. -0.03 min

Lab File: BN007987.D

Acq: 03 Oct 2019 19:12

Instrument :

BNA_N

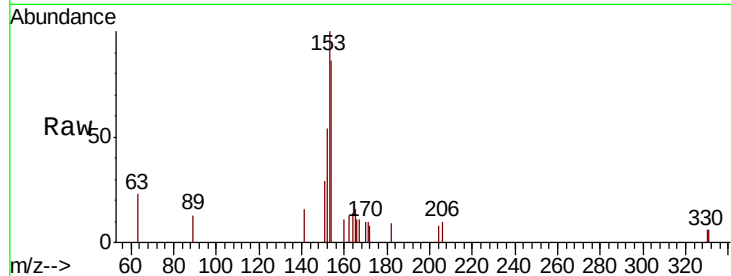
ClientSampleId :

PST-024-B275-092519

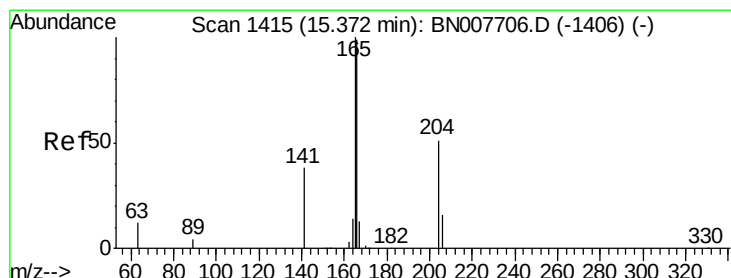
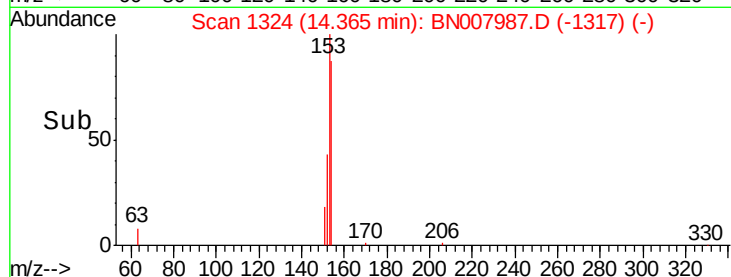
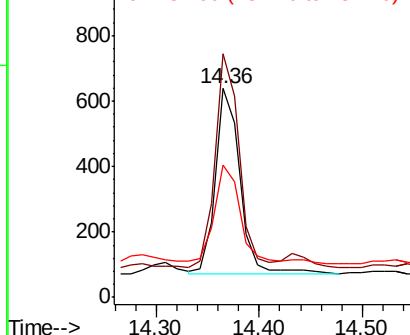
Tot Ion:	154	Resp:	940
Ion	Ratio	Lower	Upper
154	100		
153	110.2	87.0	130.4
152	59.1	42.7	64.1

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.025 ng

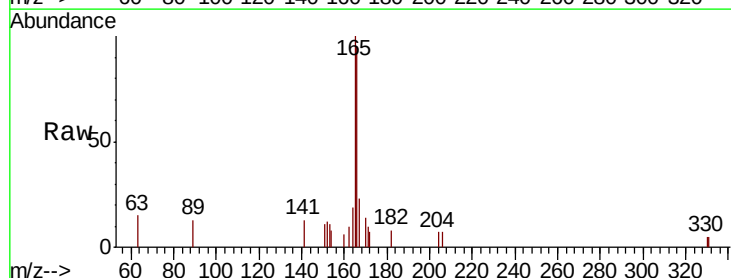
RT: 15.36 min Scan# 1413

Delta R.T. -0.02 min

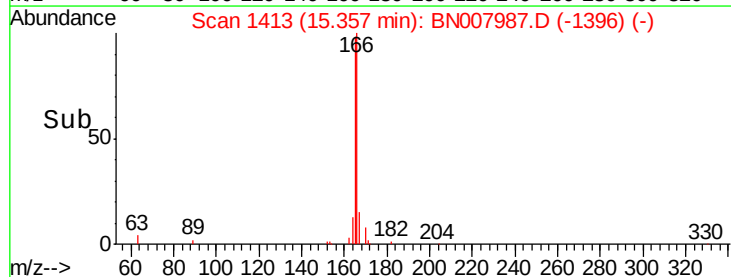
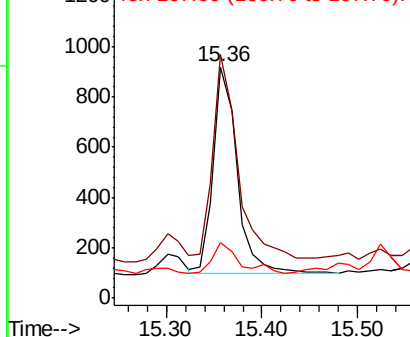
Lab File: BN007987.D

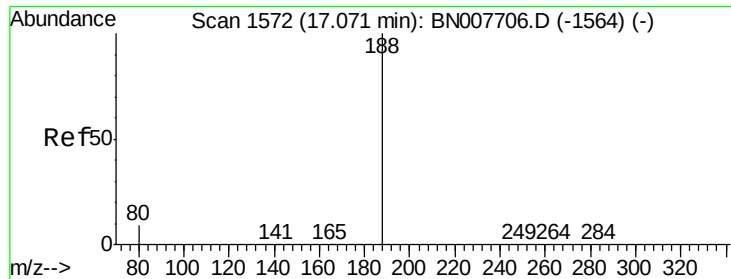
Acq: 03 Oct 2019 19:12

Tgt Ion:	166	Resp:	1433
Ion	Ratio	Lower	Upper
166	100		
165	105.2	78.0	117.0
167	17.2	10.9	16.3#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





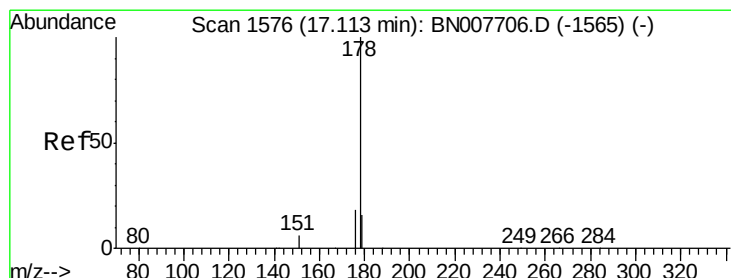
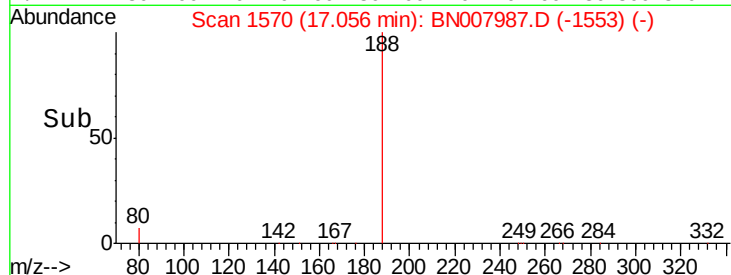
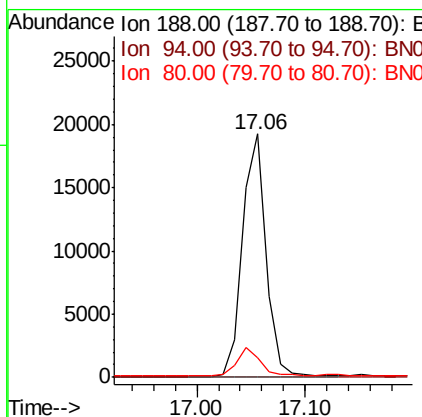
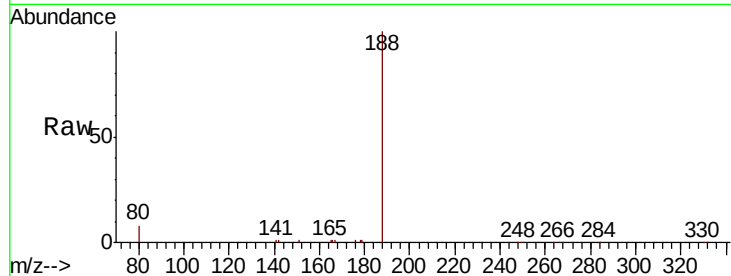
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.06 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BN007987.D
Acq: 03 Oct 2019 19:12

Instrument :
BNA_N
ClientSampleId :
PST-024-B275-092519

Tot Ion	Ratio	Resp	Lower	Upper
188	100	28823		
94	0.0	0.0	0.0	0.0
80	8.2	7.4	11.2	

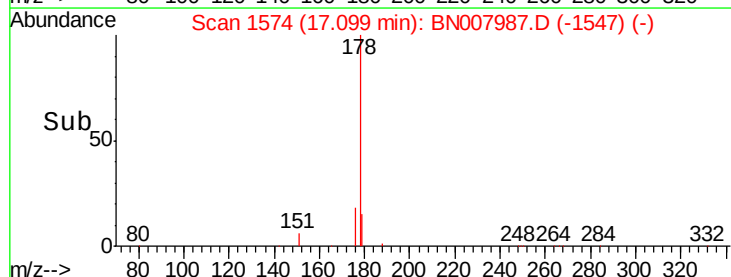
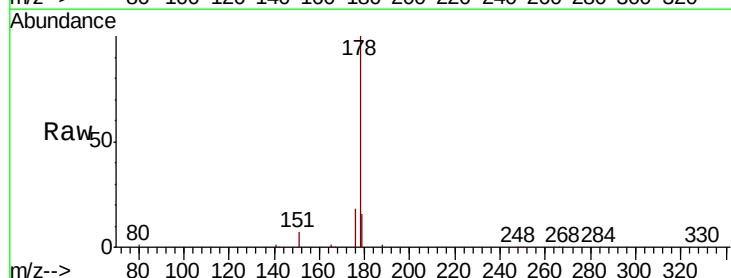
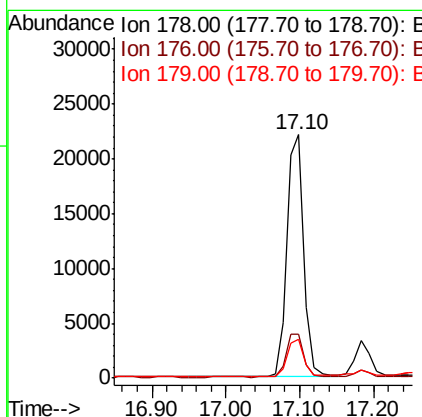
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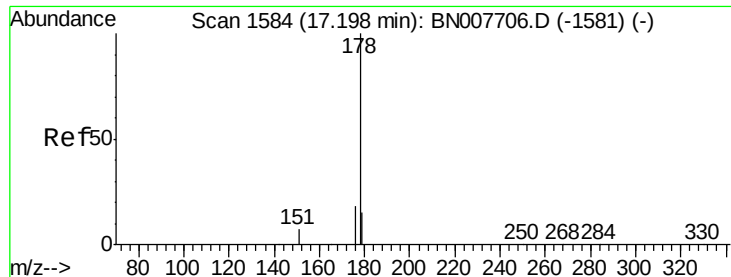
mohammad
10/7/2019 8:27:14 AM



#23
Phenanthrene
Concen: 0.395 ng
RT: 17.10 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BN007987.D
Acq: 03 Oct 2019 19:12

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	35430		
176	18.6	14.9	22.3	
179	15.7	12.5	18.7	





#24

Anthracene

Concen: 0.056 ng

RT: 17.18 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BN007987.D

Acq: 03 Oct 2019 19:12

Instrument :

BNA_N

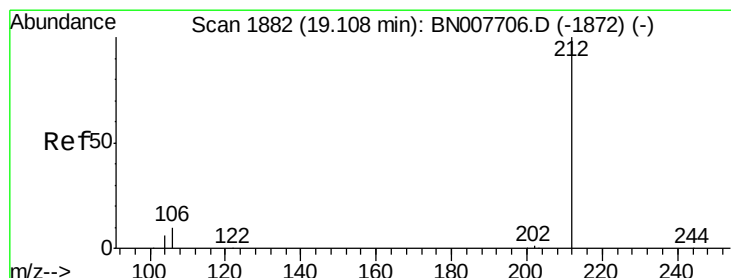
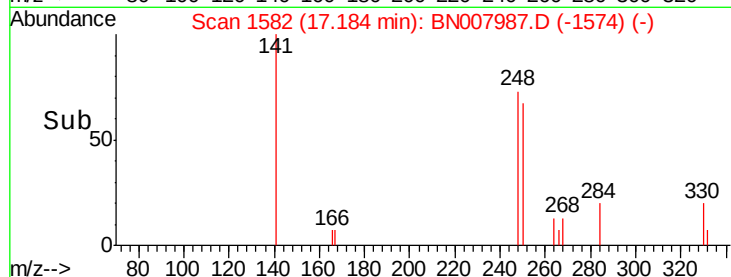
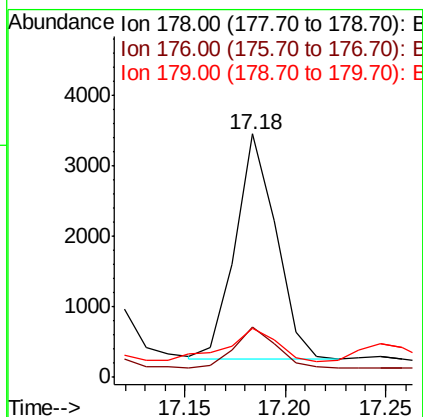
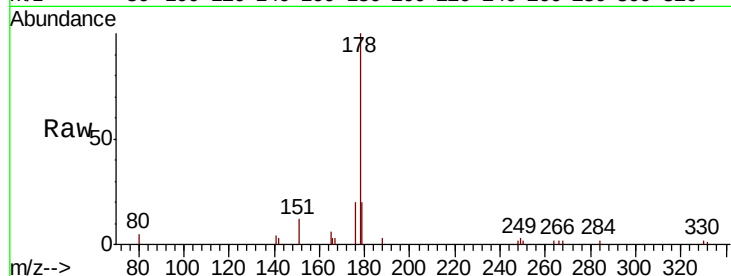
ClientSampleId :

PST-024-B275-092519

Tot Ion:178	Resp:	4542
Ion Ratio	Lower	Upper
178 100		
176 18.5	14.6	21.8
179 17.9	12.2	18.4

Manual Integrations
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mohammad
10/7/2019 8:27:14 AM



#25

Fluoranthene-d10

Concen: 0.230 ng

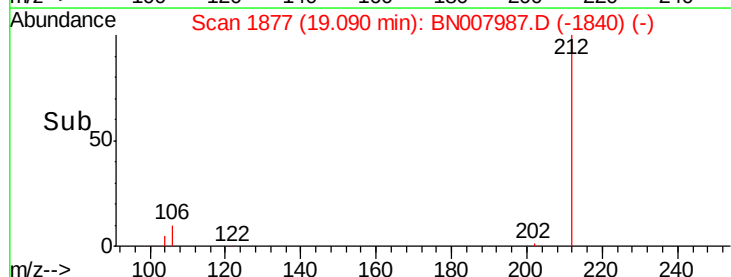
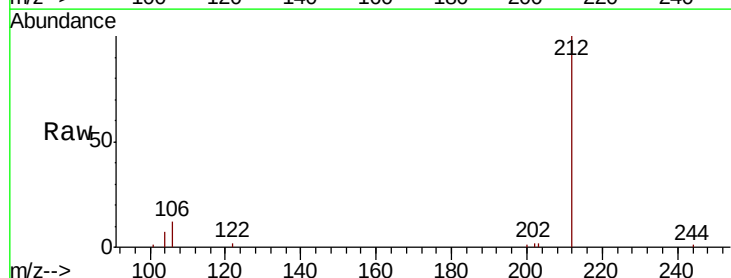
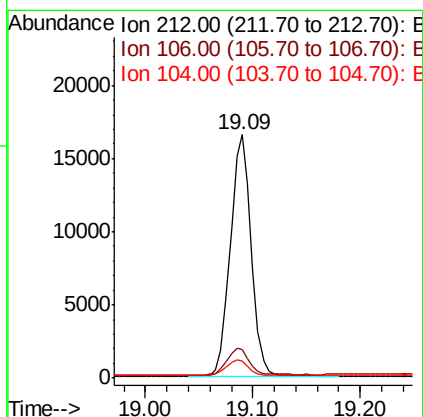
RT: 19.09 min Scan# 1877

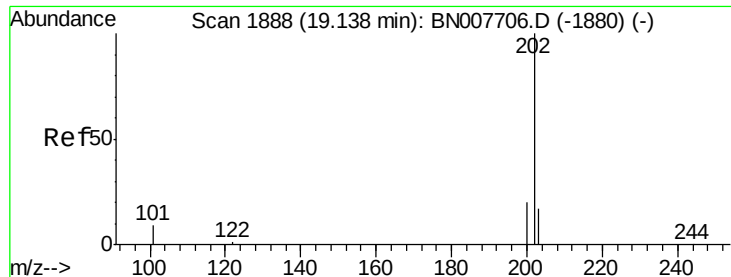
Delta R.T. -0.02 min

Lab File: BN007987.D

Acq: 03 Oct 2019 19:12

Tgt Ion:212	Resp:	22332
Ion Ratio	Lower	Upper
212 100		
106 11.7	9.4	14.0
104 6.2	5.3	7.9





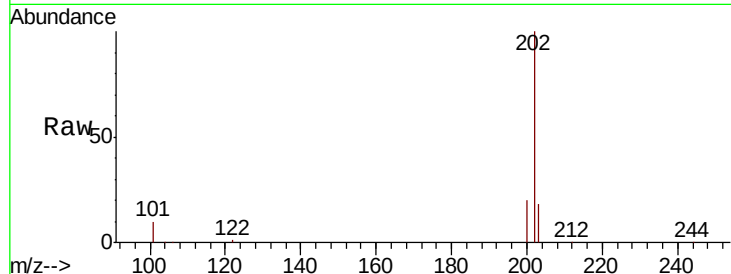
#26
 Fluoranthene
 Concen: 0.693 ng
 RT: 19.12 min Scan# 1883
 Delta R.T. -0.02 min
 Lab File: BN007987.D
 Acq: 03 Oct 2019 19:12

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B275-092519

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.2	8.4	12.6
203	17.7	13.8	20.8

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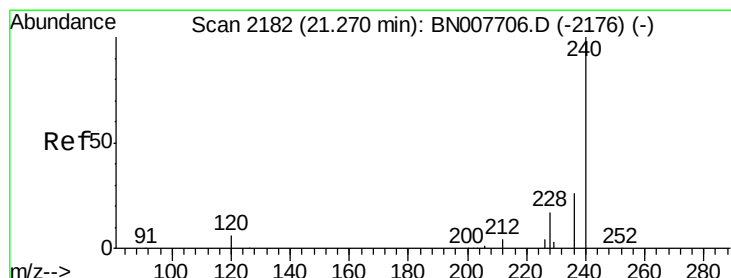
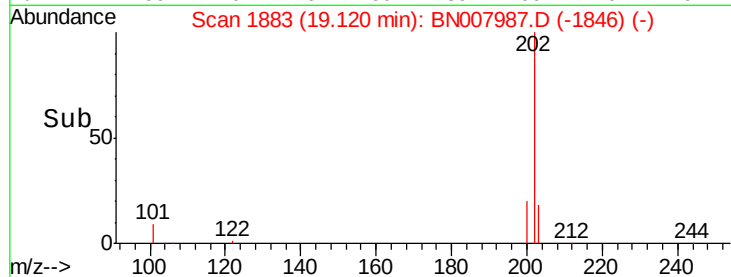
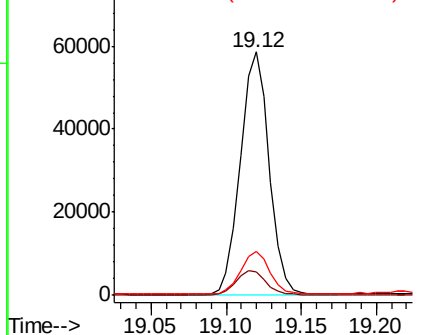


Abundance

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: 21.25 min Scan# 2179
 Delta R.T. -0.02 min
 Lab File: BN007987.D
 Acq: 03 Oct 2019 19:12

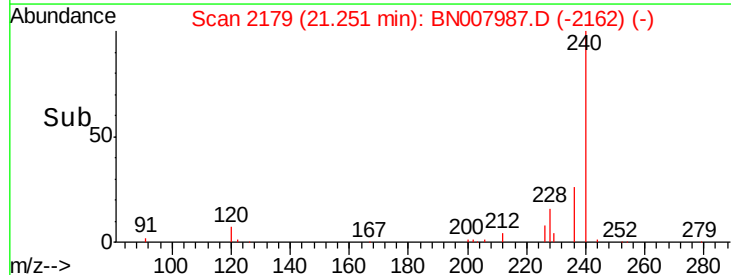
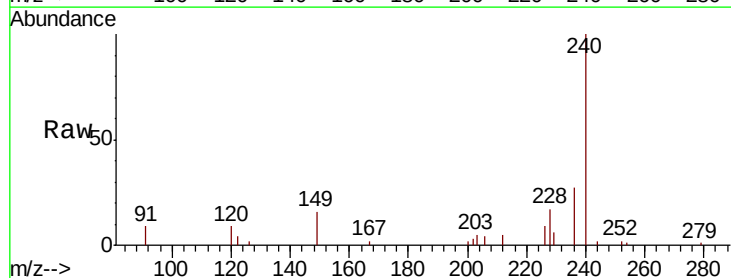
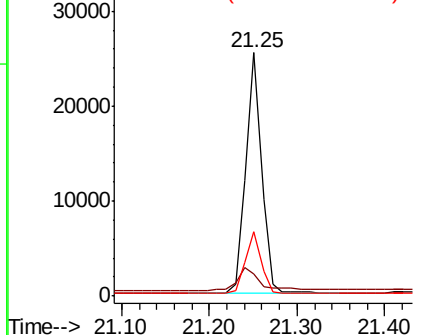
Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.2	5.4	8.2#
236	26.6	21.0	31.4

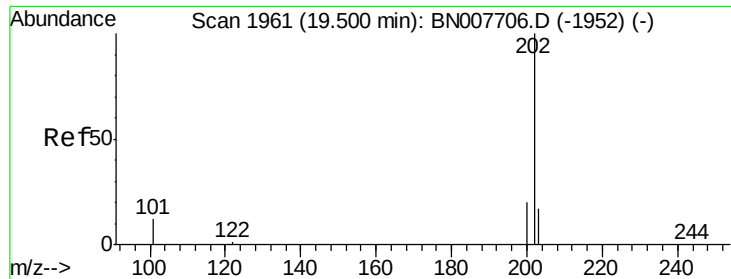
Abundance

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





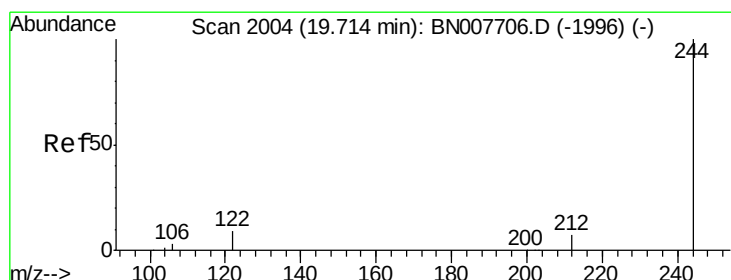
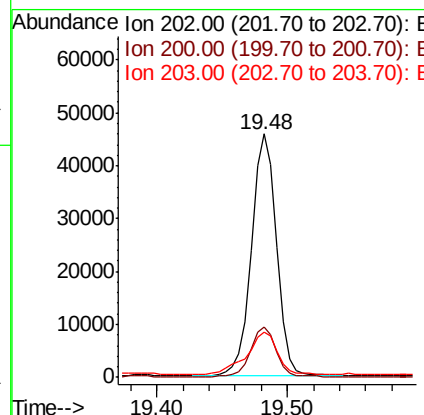
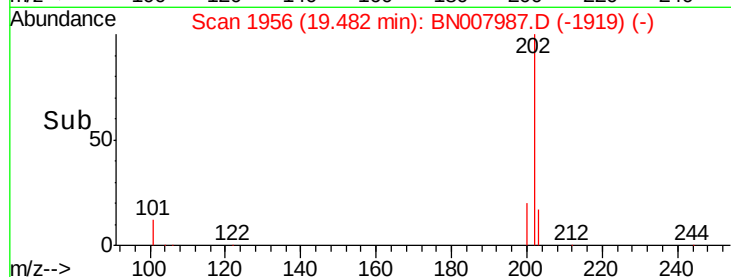
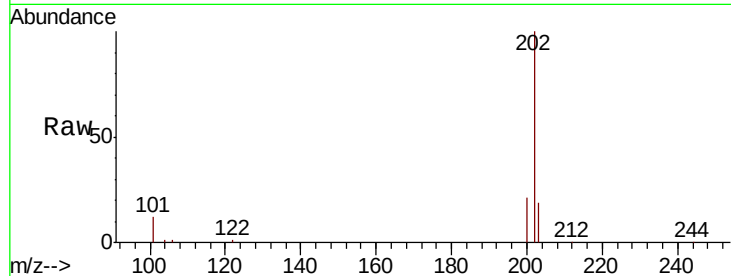
#28
Pvrene
Concen: 0.571 ng
RT: 19.48 min Scan# 1956
Delta R.T. -0.02 min
Lab File: BN007987.D
Acq: 03 Oct 2019 19:12

Instrument :
BNA_N
ClientSampleId :
PST-024-B275-092519

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.5	16.4	24.6
203	21.5	14.1	21.1

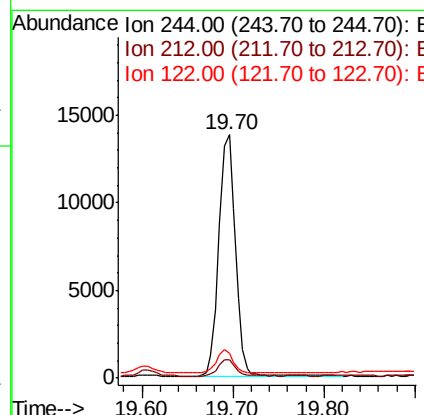
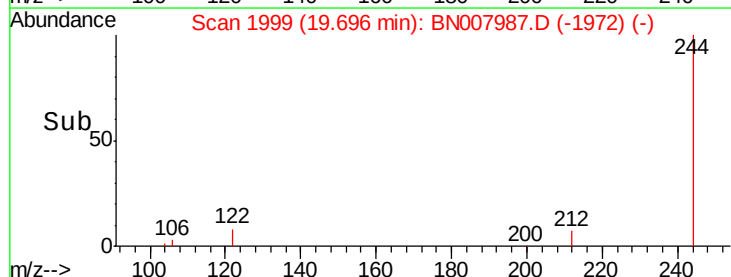
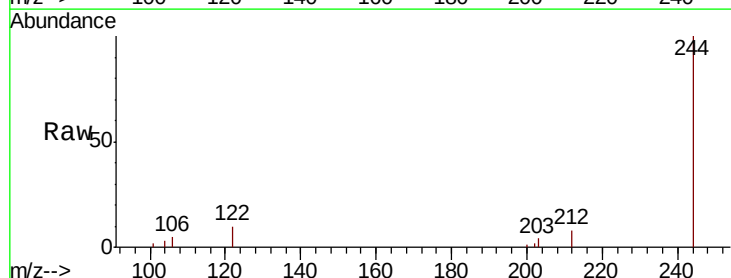
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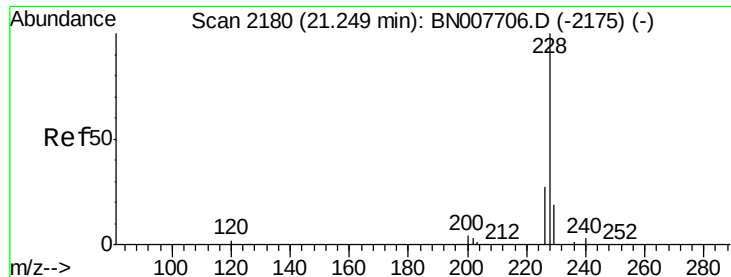
mohammad
10/7/2019 8:27:14 AM



#29
Terphenyl-d14
Concen: 0.220 ng
RT: 19.70 min Scan# 1999
Delta R.T. -0.02 min
Lab File: BN007987.D
Acq: 03 Oct 2019 19:12

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.7	5.9	8.9
122	10.1	7.4	11.2





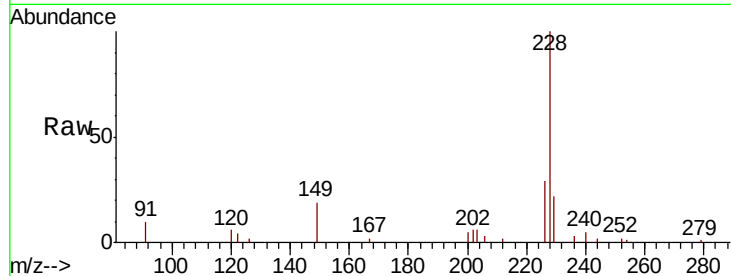
#30
Benzo(a)anthracene
Concen: 0.273 ng
RT: 21.23 min Scan# 2177
Delta R.T. -0.02 min
Lab File: BN007987.D
Acq: 03 Oct 2019 19:12

Instrument :
BNA_N
ClientSampleId :
PST-024-B275-092519

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.1	33.1
229	21.7	15.8	23.6

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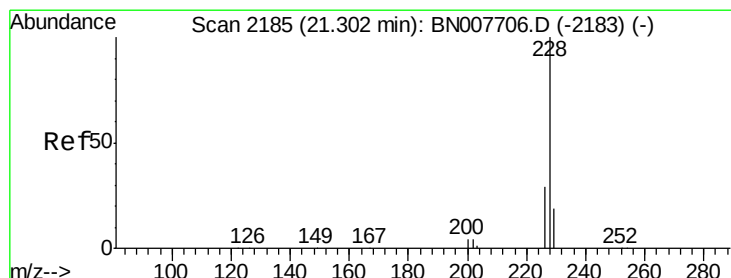
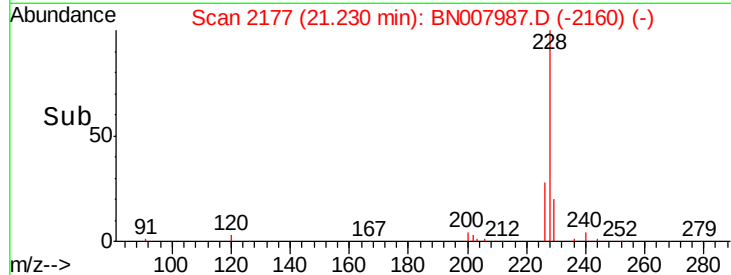
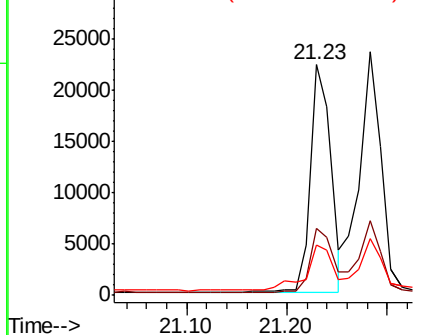


Abundance

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



#31
Chrysene
Concen: 0.309 ng
RT: 21.28 min Scan# 2182
Delta R.T. -0.02 min
Lab File: BN007987.D
Acq: 03 Oct 2019 19:12

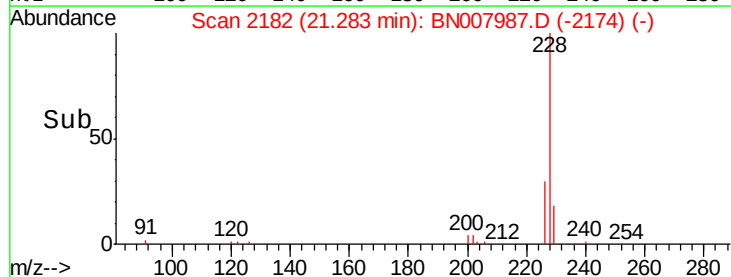
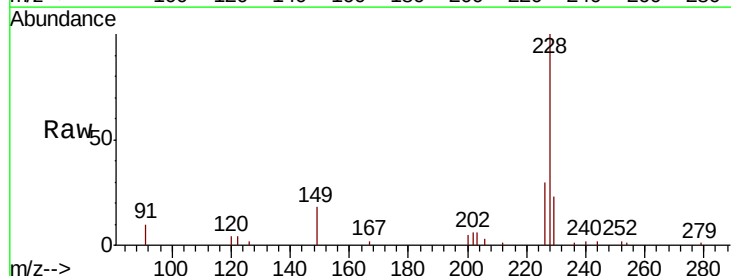
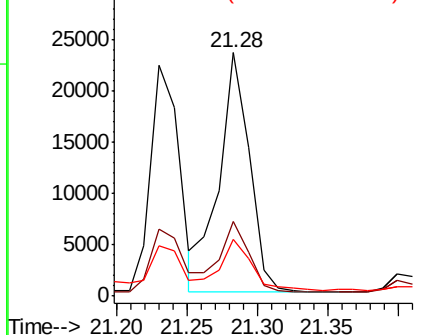
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.9	35.9
229	23.1	15.8	23.6

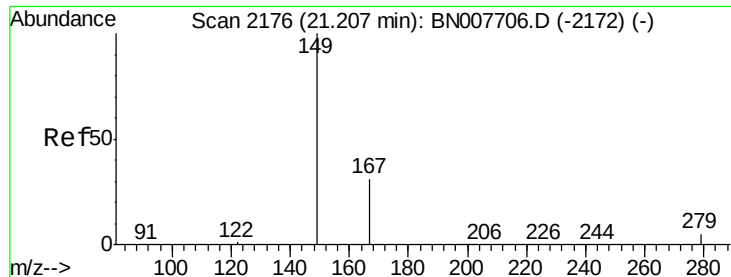
Abundance

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





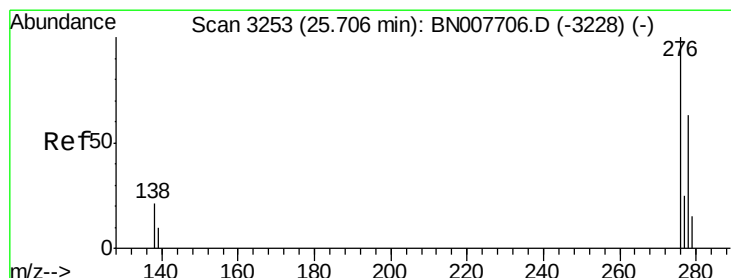
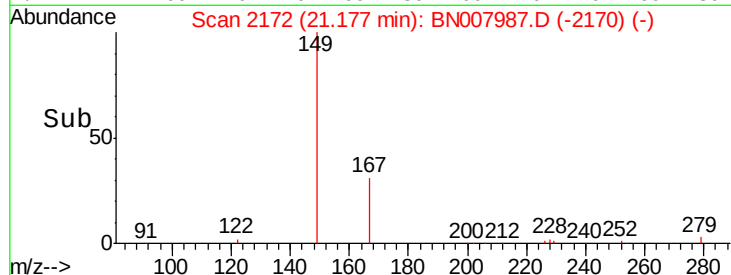
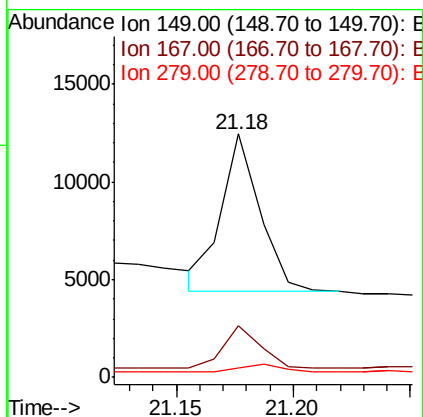
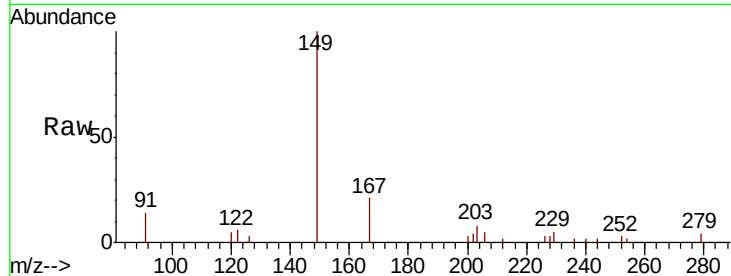
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.152 ng
 RT: 21.18 min Scan# 2172
 Delta R.T. -0.03 min
 Lab File: BN007987.D
 Acq: 03 Oct 2019 19:12

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B275-092519

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.1	23.7	35.5
279	5.4	4.2	6.2

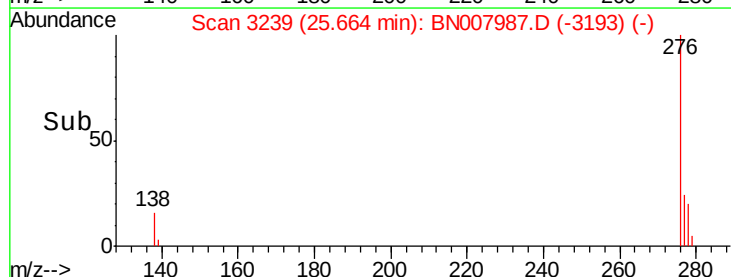
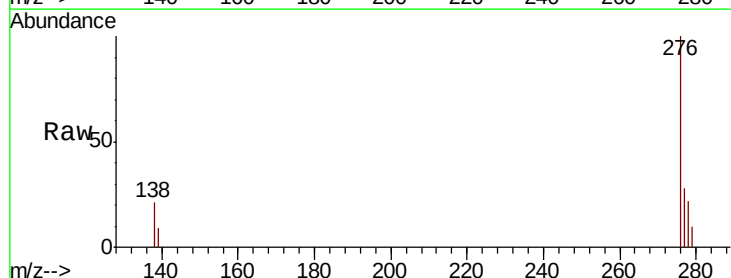
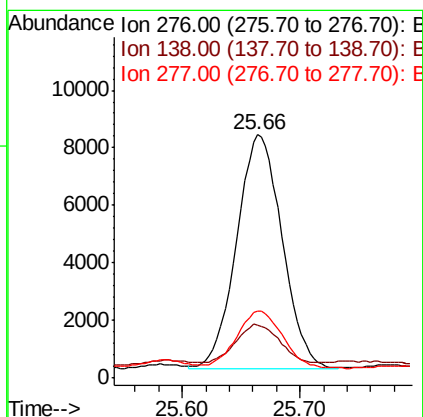
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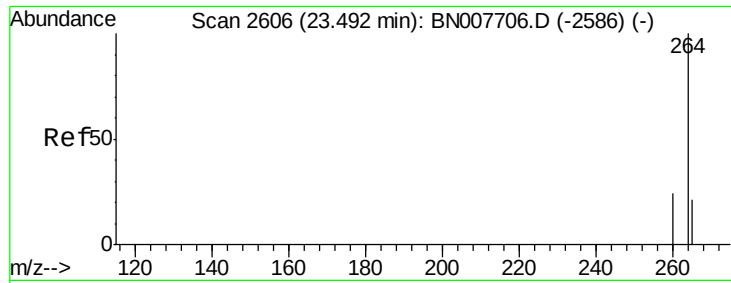
mohammad
 10/7/2019 8:27:14 AM



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.154 ng
 RT: 25.66 min Scan# 3239
 Delta R.T. -0.04 min
 Lab File: BN007987.D
 Acq: 03 Oct 2019 19:12

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.6	17.1	25.7#
277	24.7	20.0	30.0





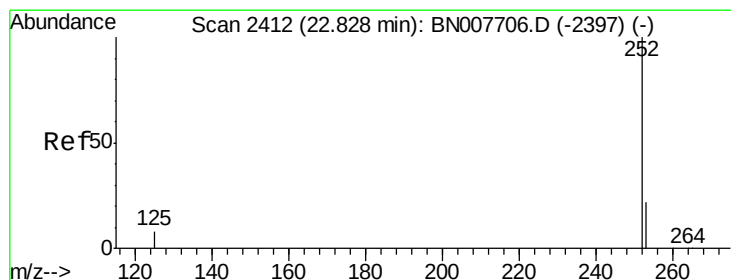
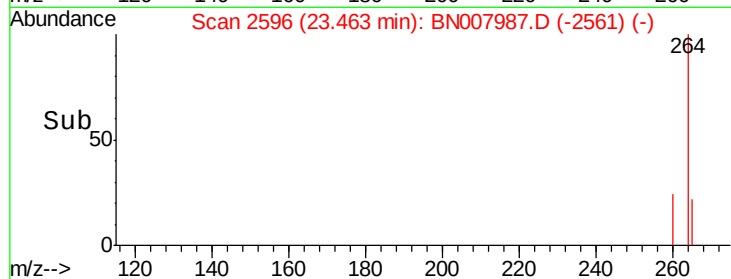
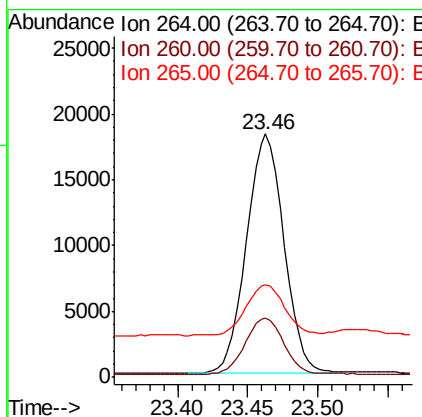
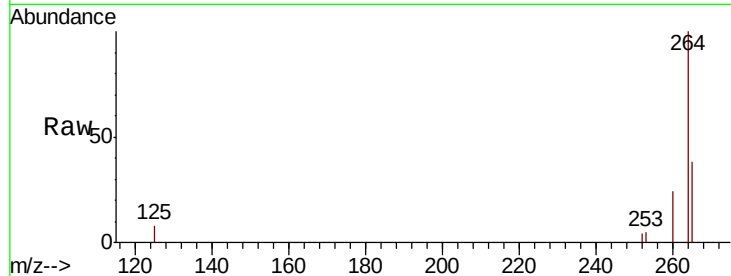
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.46 min Scan# 2596
Delta R.T. -0.03 min
Lab File: BN007987.D
Acq: 03 Oct 2019 19:12

Instrument :
BNA_N
ClientSampleId :
PST-024-B275-092519

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.3	28.9
265	38.2	26.9	40.3

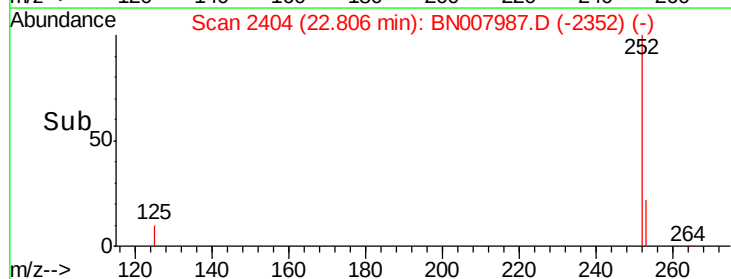
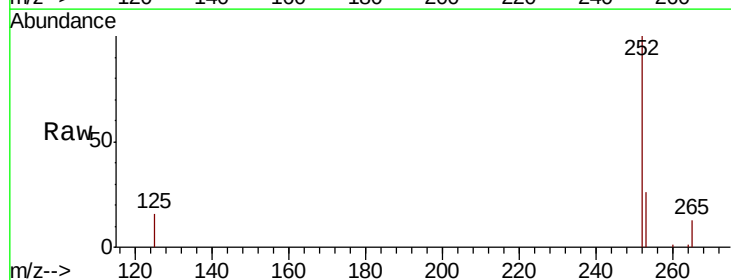
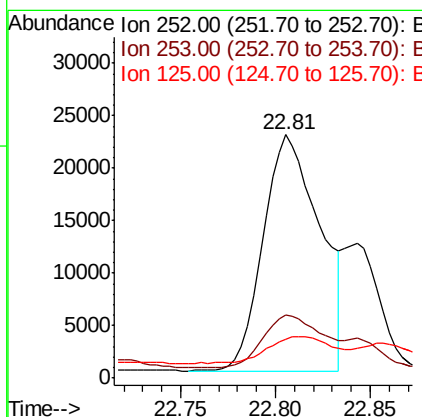
Manual Integrations
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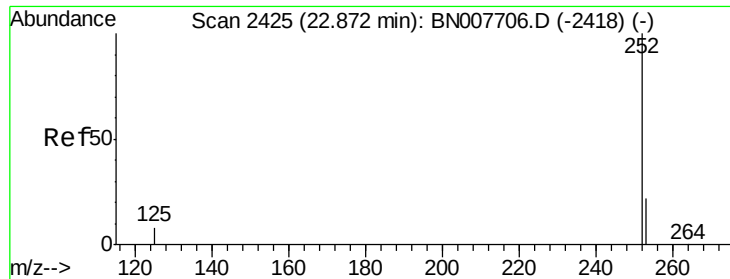
mohammad
10/7/2019 8:27:14 AM



#35
Benzo(b)fluoranthene
Concen: 0.398 ng
RT: 22.81 min Scan# 2404
Delta R.T. -0.02 min
Lab File: BN007987.D
Acq: 03 Oct 2019 19:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	18.3	27.5
125	16.2	8.2	12.4#





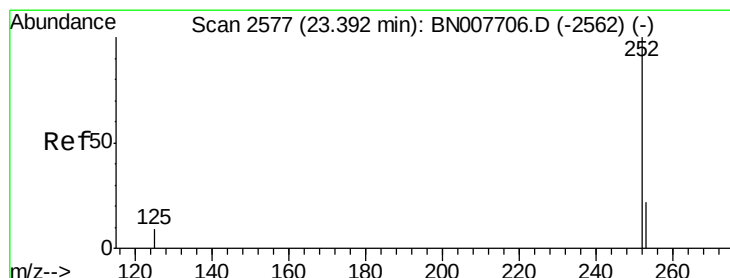
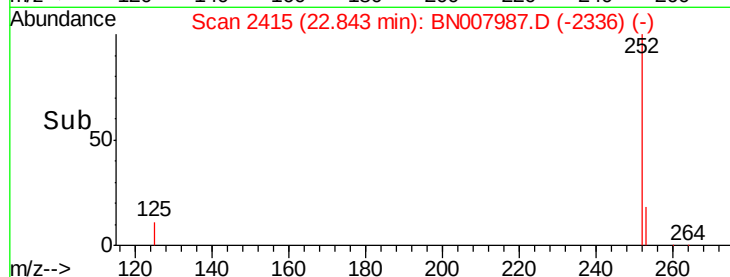
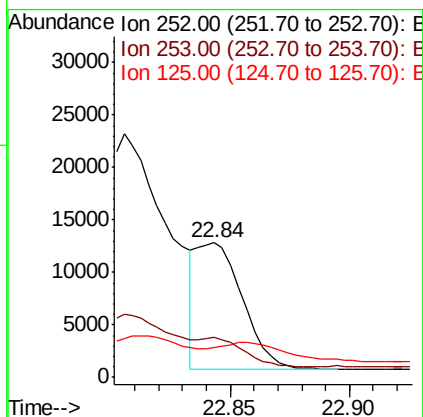
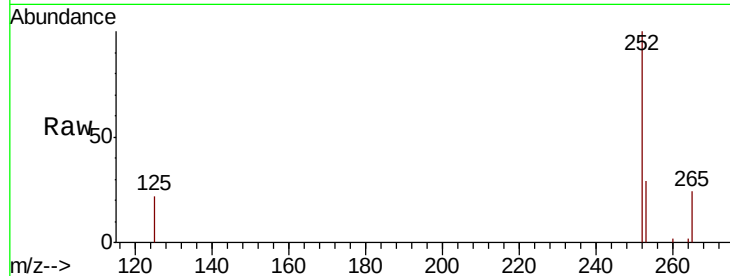
#36
Benzo(k)fluoranthene
Concen: 0.141 ng m
RT: 22.84 min Scan# 2415
Delta R.T. -0.03 min
Lab File: BN007987.D
Acq: 03 Oct 2019 19:12

Instrument :
BNA_N
ClientSampleId :
PST-024-B275-092519

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.5	18.5	27.7#
125	22.5	8.4	12.6#

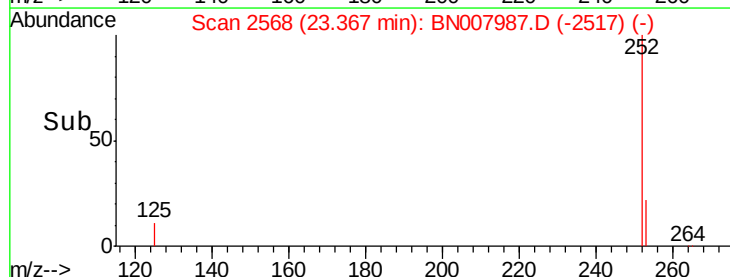
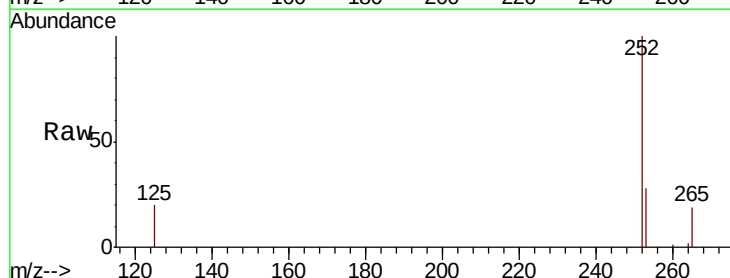
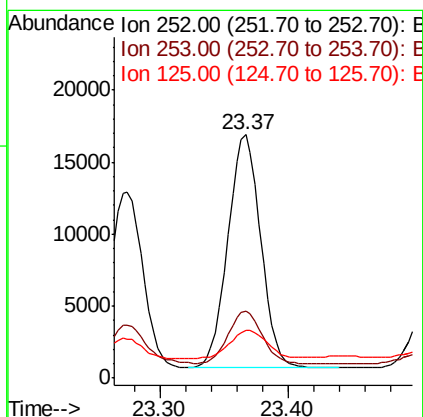
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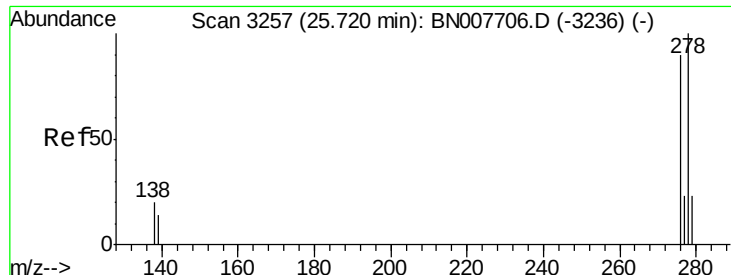
mohammad
10/7/2019 8:27:14 AM



#37
Benzo(a)pyrene
Concen: 0.261 ng
RT: 23.37 min Scan# 2568
Delta R.T. -0.03 min
Lab File: BN007987.D
Acq: 03 Oct 2019 19:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.7	18.6	27.8
125	19.7	9.4	14.0#





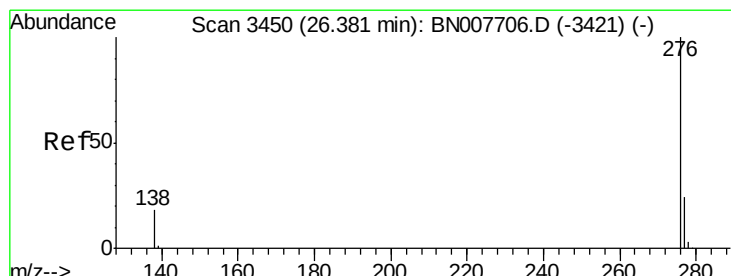
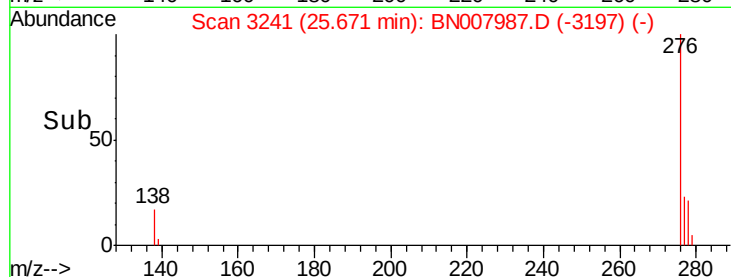
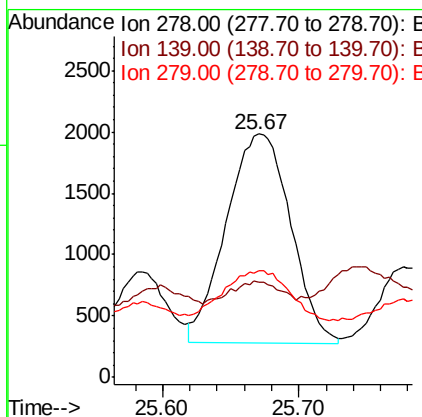
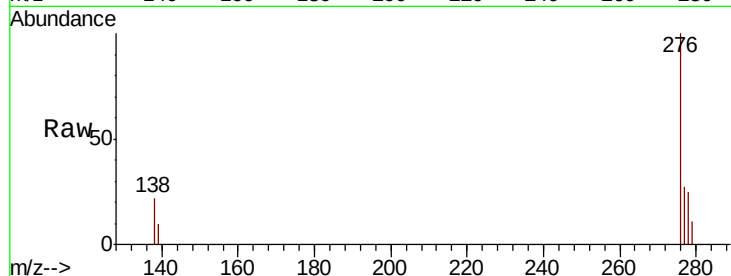
#38
Dibenzo(a,h)anthracene
Concen: 0.049 ng
RT: 25.67 min Scan# 3241
Delta R.T. -0.05 min
Lab File: BN007987.D
Acq: 03 Oct 2019 19:12

Instrument :
BNA_N
ClientSampleId :
PST-024-B275-092519

Tot Ion	Ratio	Lower	Upper
278	100		
139	39.0	11.8	17.6#
279	43.5	19.4	29.2#

Manual Integrations
APPROVED

mohammad
10/7/2019 8:27:14 AM



#39
Benzo(g,h,i)perylene
Concen: 0.189 ng
RT: 26.34 min Scan# 3436
Delta R.T. -0.04 min
Lab File: BN007987.D
Acq: 03 Oct 2019 19:12

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.2	19.8	29.8
138	23.0	15.1	22.7#

