

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100319\
 Data File : BN007992.D
 Acq On : 03 Oct 2019 22:11
 Operator : JU
 Sample : K5077-15
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B265-092519

Manual Integrations
 APPROVED

mohammad
 10/7/2019 8:27:25 AM

Quant Time: Oct 04 08:42:54 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	4775	0.40	ng	-0.02
7) Naphthalene-d8	10.46	136	20211	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	12766	0.40	ng	-0.02
19) Phenanthrene-d10	17.06	188	27335	0.40	ng	-0.01
27) Chrysene-d12	21.25	240	29138	0.40	ng	-0.02
34) Perylene-d12	23.46	264	33220	0.40	ng	-0.03

System Monitoring Compounds

4) 2-Fluorophenol	5.30	112	5353	0.33	ng	-0.02
5) Phenol-d6	6.86	99	7665	0.37	ng	0.00
8) Nitrobenzene-d5	8.82	82	5639	0.32	ng	-0.01
11) 2-Methylnaphthalene-d10	12.05	152	11927	0.35	ng	-0.02
14) 2,4,6-Tribromophenol	15.80	330	2450	0.35	ng	-0.02
15) 2-Fluorobiphenyl	12.93	172	16426	0.31	ng	-0.02
25) Fluoranthene-d10	19.09	212	32361	0.35	ng	-0.02
29) Terphenyl-d14	19.70	244	25901	0.36	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.49	128	3900	0.069	ng	# 89
12) 2-Methylnaphthalene	12.12	142	3696	0.096	ng	94
16) Acenaphthylene	14.02	152	48949	0.723	ng	99
17) Acenaphthene	14.37	154	10274	0.235	ng	95
18) Fluorene	15.36	166	15741	0.281	ng	# 88
23) Phenanthrene	17.10	178	521143	6.120	ng	100
24) Anthracene	17.18	178	85800	1.116	ng	98
26) Fluoranthene	19.12	202	632989	5.978	ng	99
28) Pyrene	19.48	202	1028395	10.348	ng	# 94
30) Benzo(a)anthracene	21.23	228	513381	4.784	ng	98
31) Chrysene	21.28	228	623220	5.960	ng	98
32) Bis(2-ethylhexyl)phthalate	21.18	149	7938	0.144	ng	96
33) Indeno(1,2,3-cd)pyrene	25.67	276	204558	1.562	ng	96
35) Benzo(b)fluoranthene	22.81	252	449545	3.898	ng	99
36) Benzo(k)fluoranthene	22.84	252	120228m	1.054	ng	
37) Benzo(a)pyrene	23.37	252	392933	3.626	ng	98
38) Dibenzo(a,h)anthracene	25.67	278	74032	0.668	ng	92
39) Benzo(a,h,i)perylene	26.34	276	250308	2.281	ng	99

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

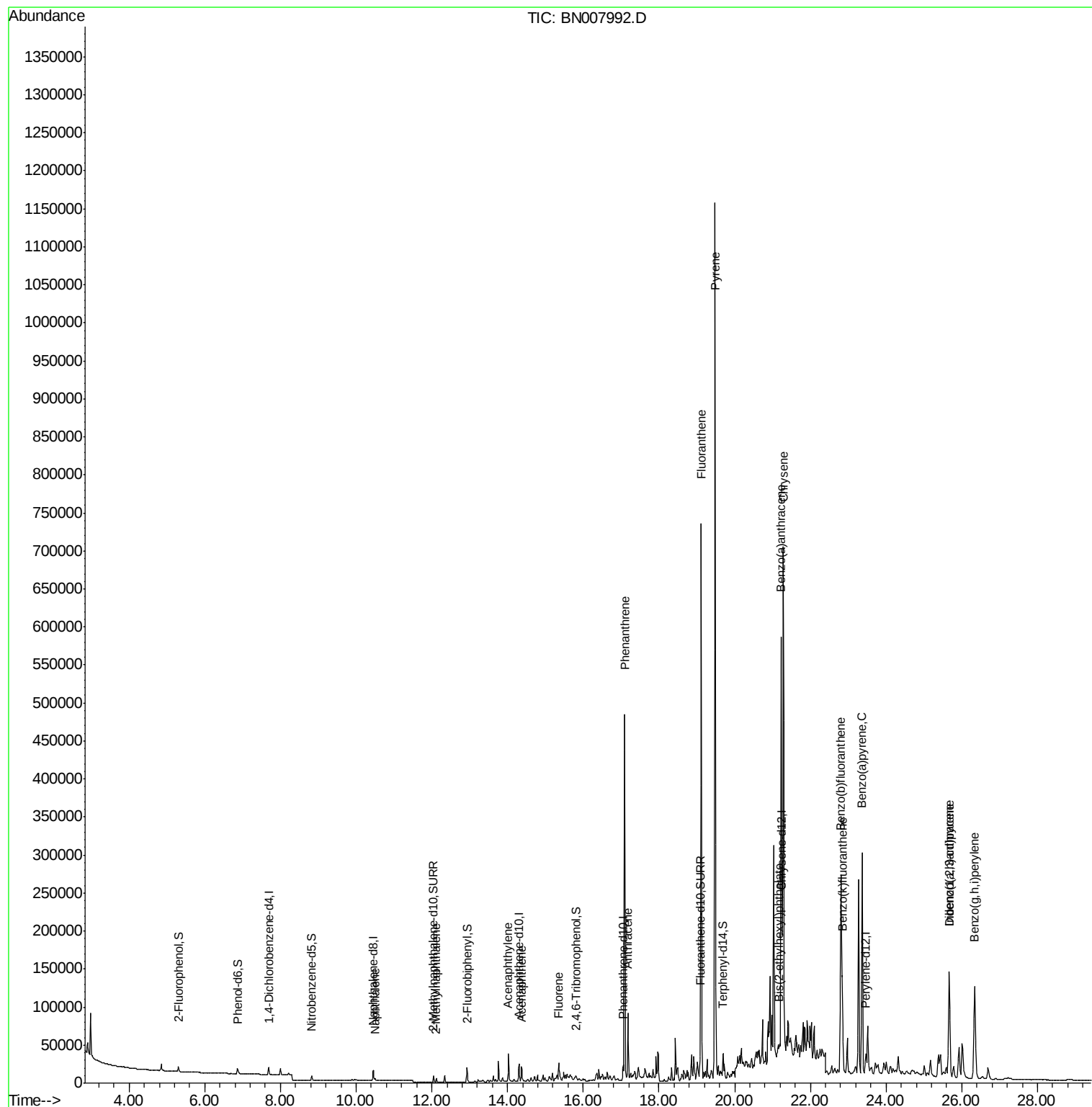
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100319\
Data File : BN007992.D
Acq On : 03 Oct 2019 22:11
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Misc :
ALS Vial : 9 Sample Multiplier: 1

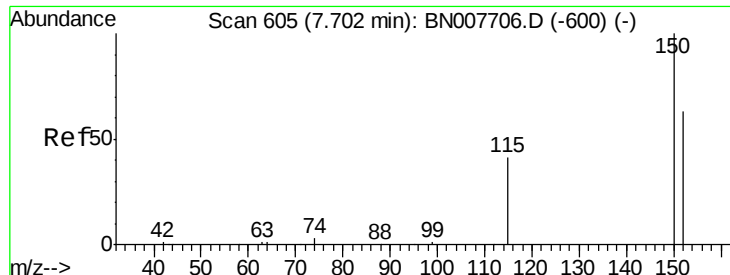
Instrument :
BNA_N
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PST-024-B265-092519

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10/7/2019 8:27:25 AM

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#1

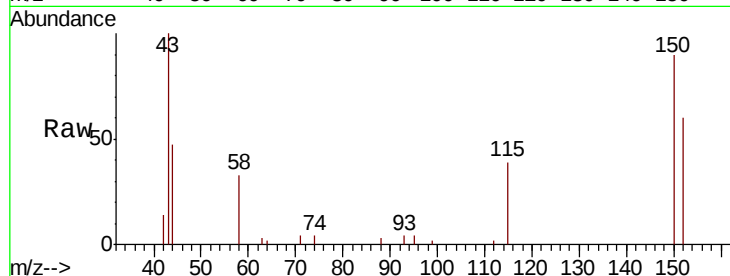
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 603
Delta R.T. -0.02 min
Lab File: BN007992.D
Acq: 03 Oct 2019 22:11

Instrument :
BNA_N
ClientSampleId :
PST-024-B265-092519

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.1	125.6	188.4
115	64.0	53.3	79.9

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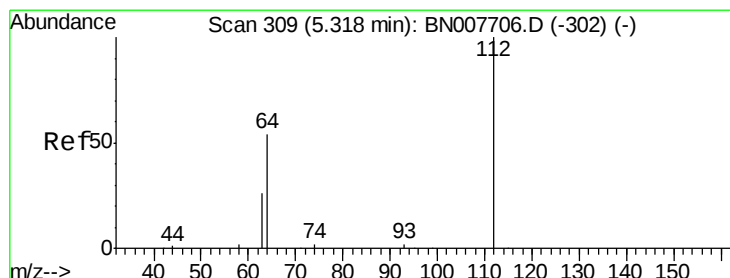
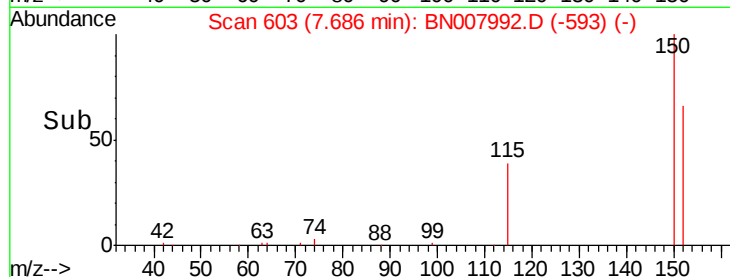
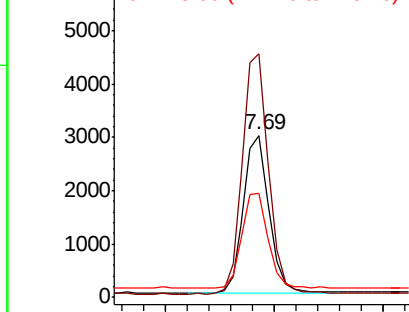


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

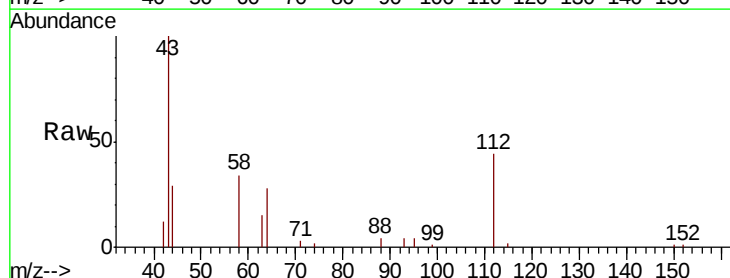
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.326 ng
RT: 5.30 min Scan# 307
Delta R.T. -0.02 min
Lab File: BN007992.D
Acq: 03 Oct 2019 22:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	46.6	70.0
63	30.2	23.1	34.7

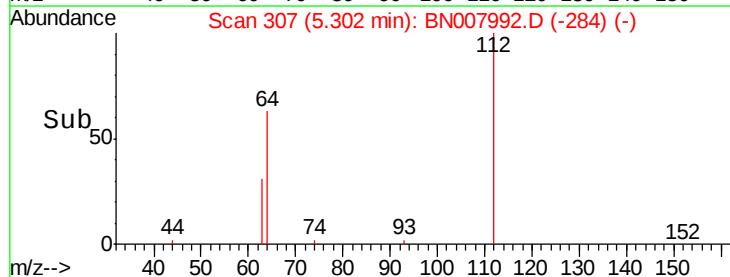
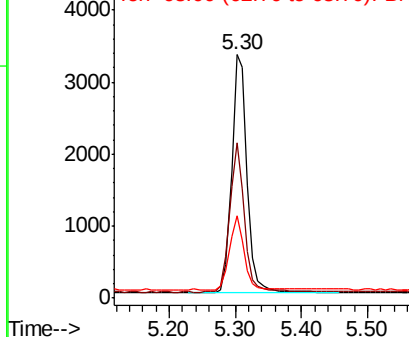


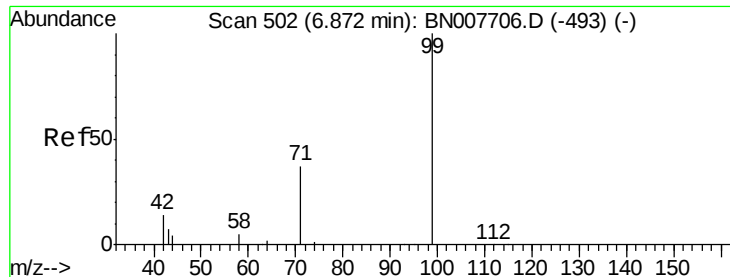
Abundance

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: 0.374 ng

RT: 6.86 min Scan# 501

Delta R.T. -0.01 min

Lab File: BN007992.D

Acq: 03 Oct 2019 22:11

Instrument :

BNA_N

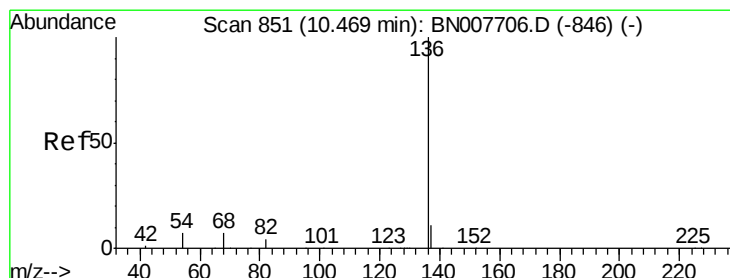
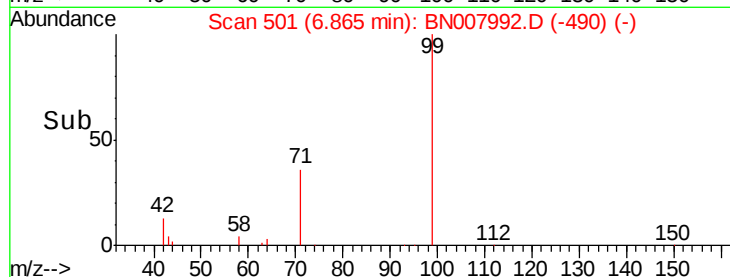
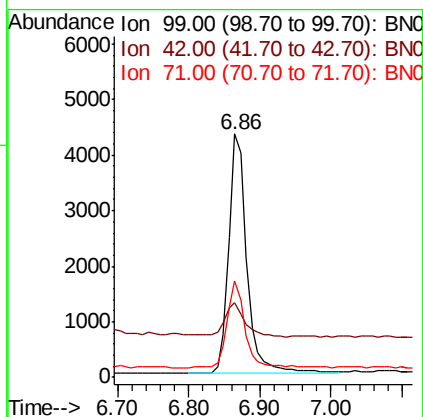
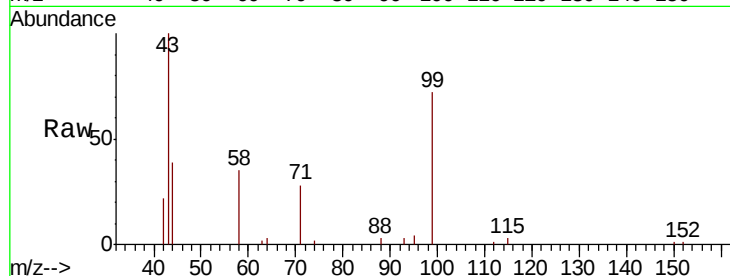
ClientSampleId :

PST-024-B265-092519

Tot Ion:	99	Resp:	7665
Ion	Ratio	Lower	Upper
99	100		
42	15.8	12.8	19.2
71	35.3	27.6	41.4

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#7

Naphthalene-d8

Concen: 0.400 ng

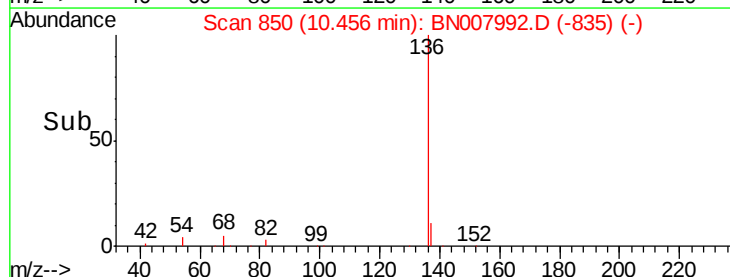
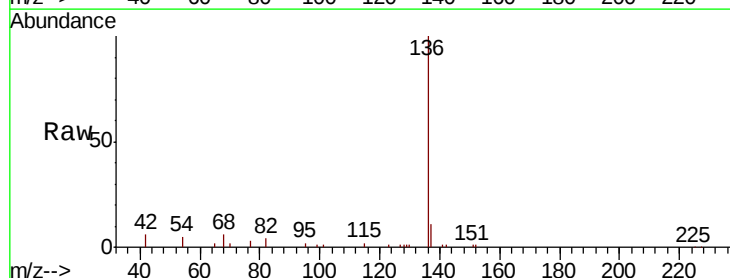
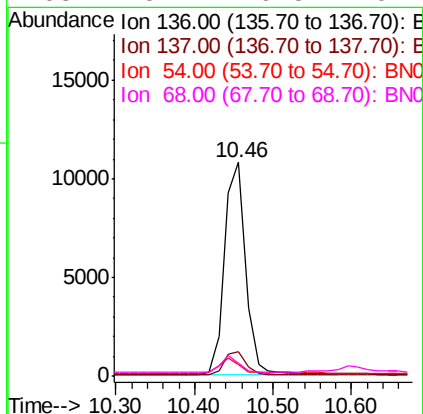
RT: 10.46 min Scan# 850

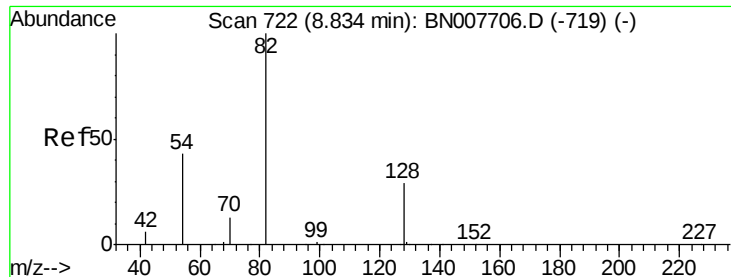
Delta R.T. -0.01 min

Lab File: BN007992.D

Acq: 03 Oct 2019 22:11

Tgt Ion:	136	Resp:	20211
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	5.1	5.8	8.8#
68	6.1	6.5	9.7#





#8

Nitrobenzene-d5

Concen: 0.319 ng

RT: 8.82 min Scan# 721

Delta R.T. -0.01 min

Lab File: BN007992.D

Acq: 03 Oct 2019 22:11

Instrument :

BNA_N

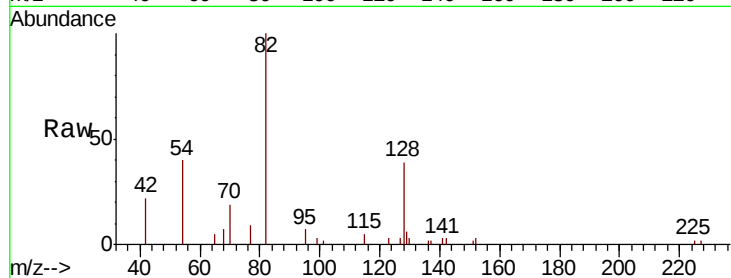
ClientSampleId :

PST-024-B265-092519

Tot Ion:	82	Resp:	5639
Ion Ratio	Lower	Upper	
82	100		
128	38.9	24.5	36.7#
54	40.1	35.2	52.8

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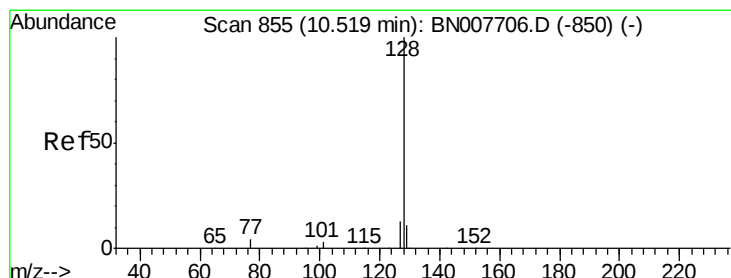
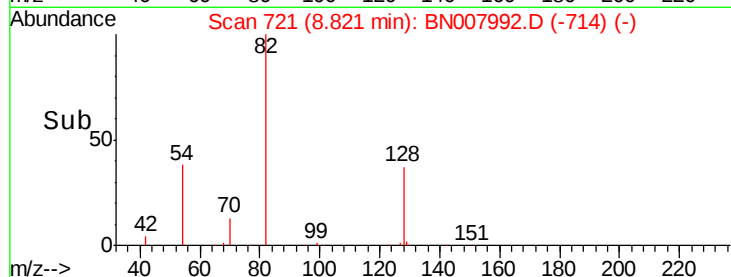
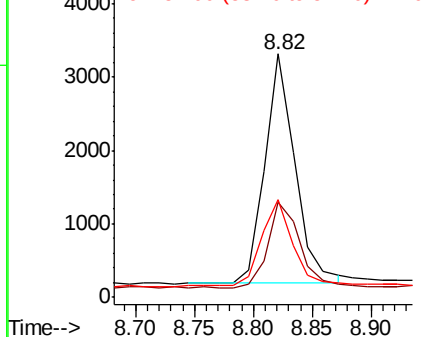
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Abundance Ion 82.00 (81.70 to 82.70): BN007706.D (-719) (-)

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

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



#9

Naphthalene

Concen: 0.069 ng

RT: 10.49 min Scan# 853

Delta R.T. -0.03 min

Lab File: BN007992.D

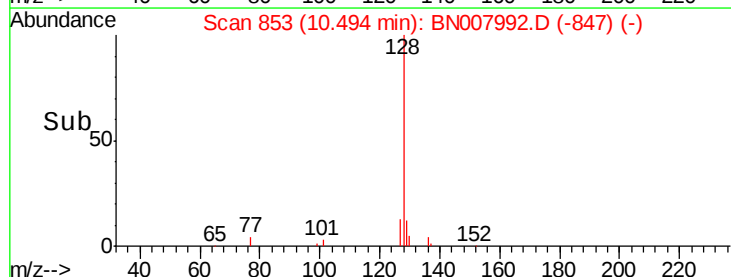
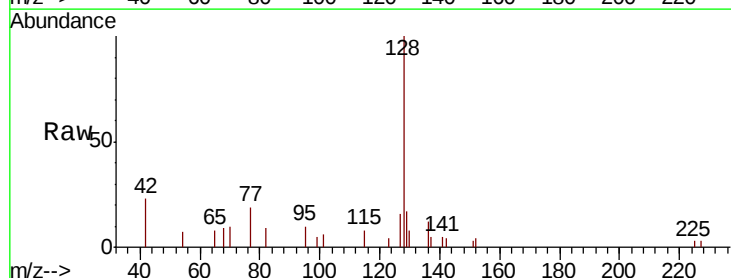
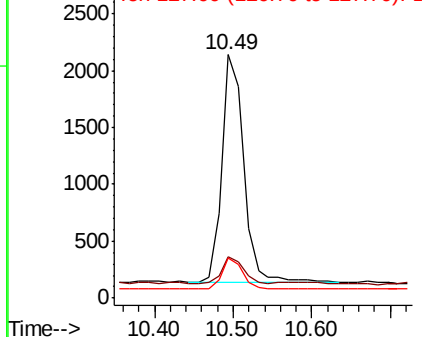
Acq: 03 Oct 2019 22:11

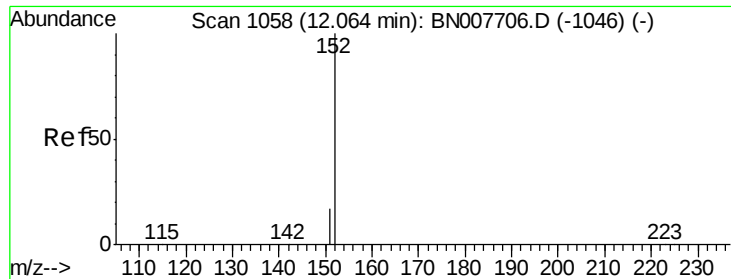
Tgt Ion:	128	Resp:	3900
Ion Ratio	Lower	Upper	
128	100		
129	17.2	9.1	13.7#
127	16.3	10.6	15.8#

Abundance Ion 128.00 (127.70 to 128.70): BN007706.D (-850) (-)

Ion 129.00 (128.70 to 129.70): BN007706.D (-850) (-)

Ion 127.00 (126.70 to 127.70): BN007706.D (-850) (-)





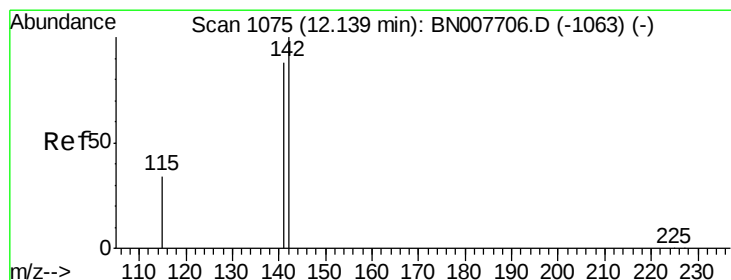
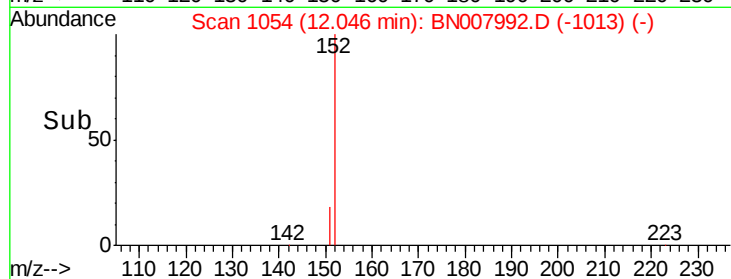
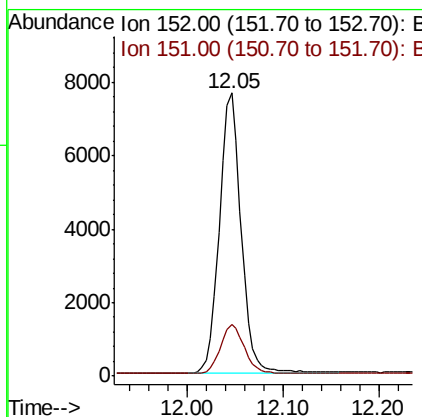
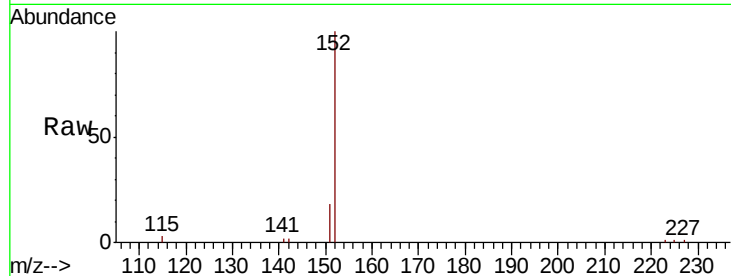
#11
 2-Methylnaphthalene-d10
 Concen: 0.350 ng
 RT: 12.05 min Scan# 1054
 Delta R.T. -0.02 min
 Lab File: BN007992.D
 Acq: 03 Oct 2019 22:11

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B265-092519

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.4	23.2

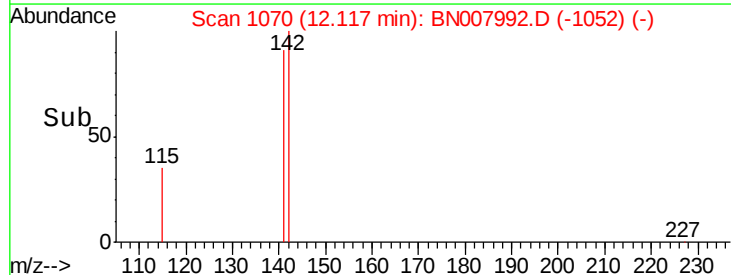
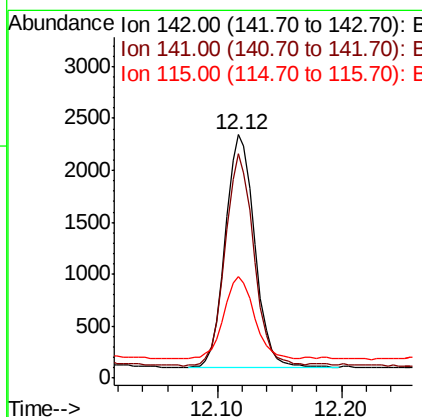
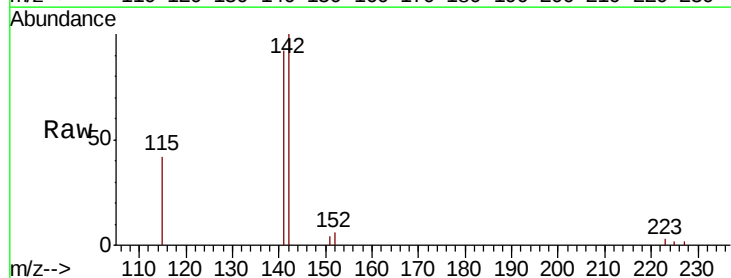
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#12
 2-Methylnaphthalene
 Concen: 0.096 ng
 RT: 12.12 min Scan# 1070
 Delta R.T. -0.02 min
 Lab File: BN007992.D
 Acq: 03 Oct 2019 22:11

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.2	70.6	106.0
115	41.9	28.3	42.5





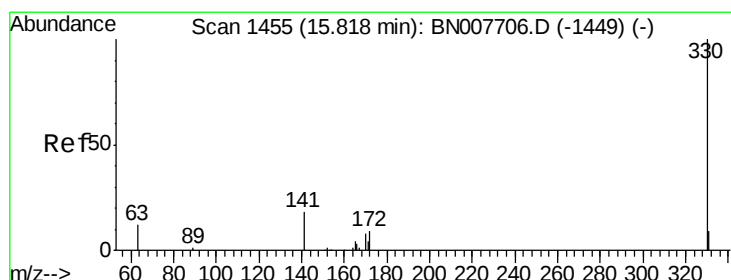
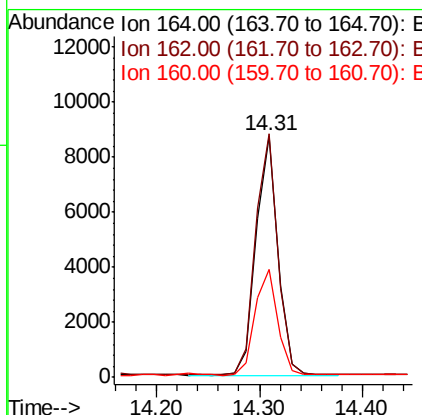
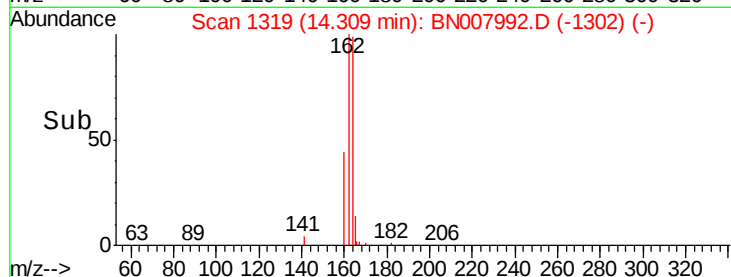
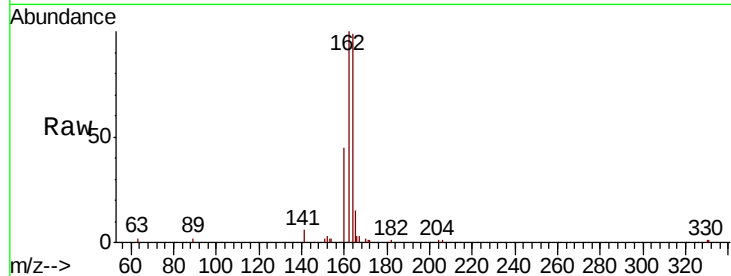
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 1319
Delta R.T. -0.02 min
Lab File: BN007992.D
Acq: 03 Oct 2019 22:11

Instrument :
BNA_N
ClientSampleId :
PST-024-B265-092519

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.8	81.7	122.5
160	44.9	37.0	55.4

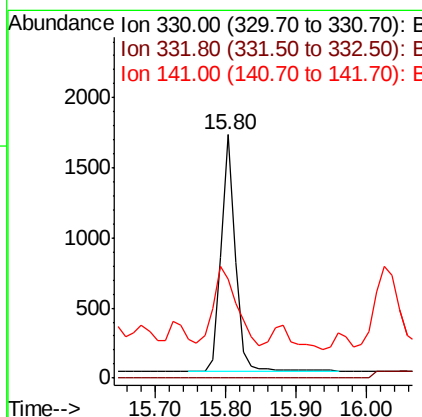
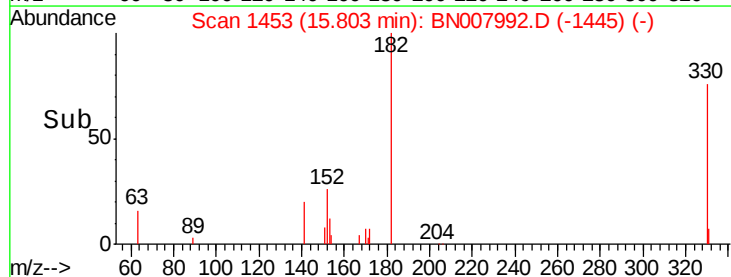
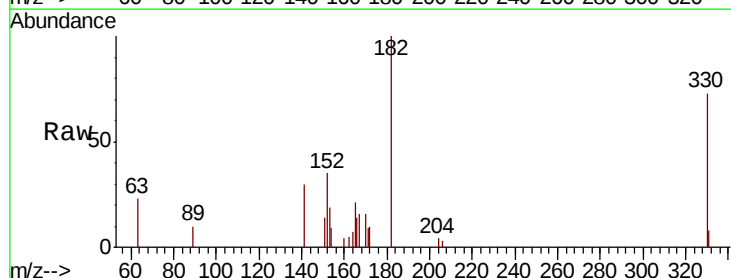
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#14
2,4,6-Tribromophenol
Concen: 0.352 ng
RT: 15.80 min Scan# 1453
Delta R.T. -0.02 min
Lab File: BN007992.D
Acq: 03 Oct 2019 22:11

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	53.2	28.7	43.1#





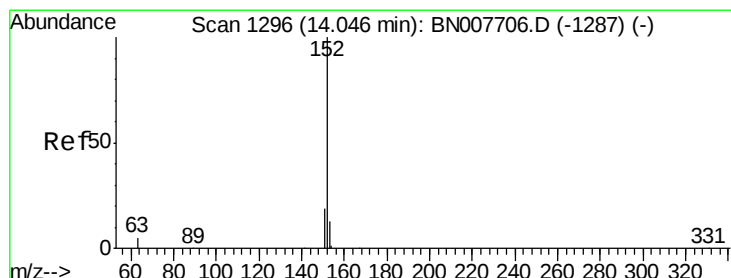
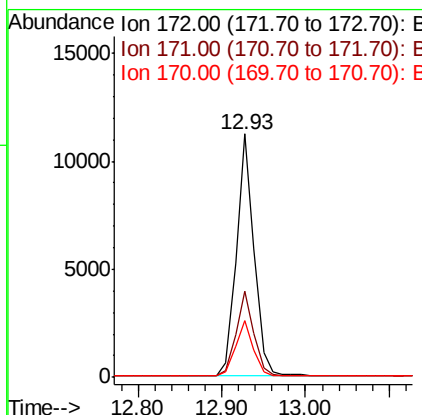
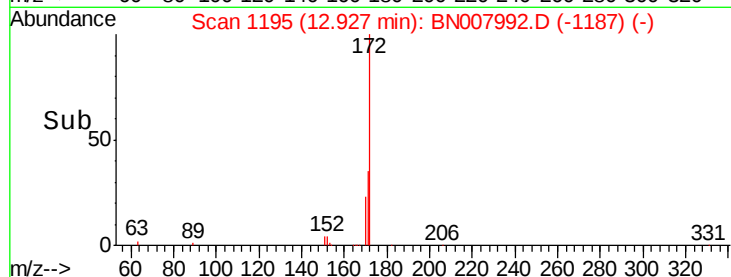
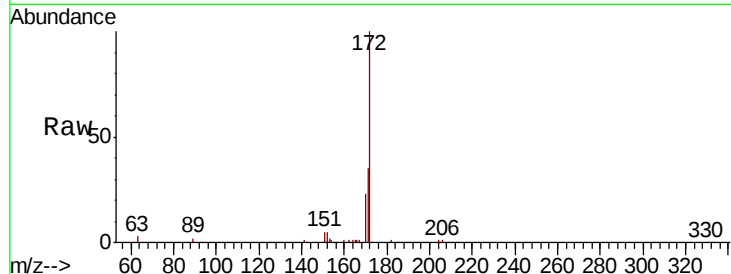
#15
2-Fluorobiphenyl
Concen: 0.312 ng
RT: 12.93 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BN007992.D
Acq: 03 Oct 2019 22:11

Instrument :
BNA_N
ClientSampleId :
PST-024-B265-092519

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.8	43.2
170	23.2	19.5	29.3

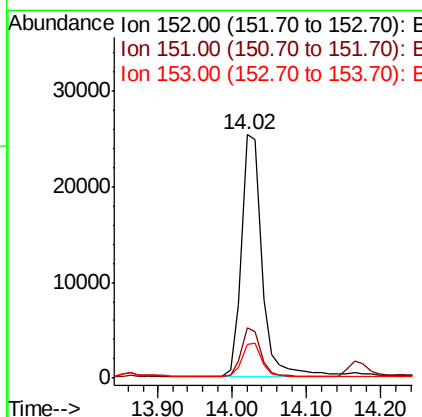
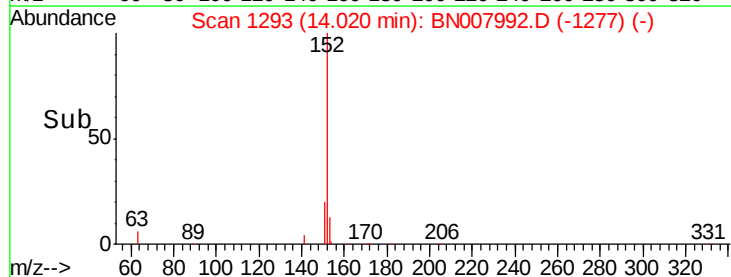
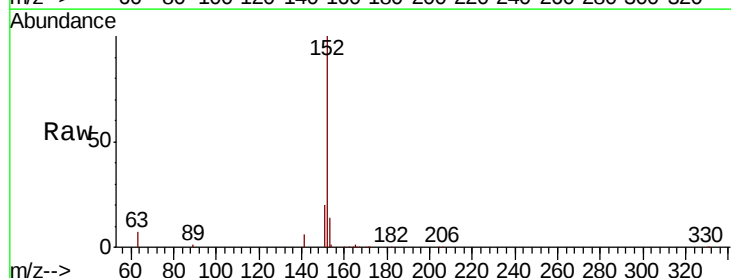
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#16
Acenaphthylene
Concen: 0.723 ng
RT: 14.02 min Scan# 1293
Delta R.T. -0.03 min
Lab File: BN007992.D
Acq: 03 Oct 2019 22:11

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.5	23.3
153	14.1	10.4	15.6





#17

Acenaphthene

Concen: 0.235 ng

RT: 14.37 min Scan# 1324

Delta R.T. -0.03 min

Lab File: BN007992.D

Acq: 03 Oct 2019 22:11

Instrument :

BNA_N

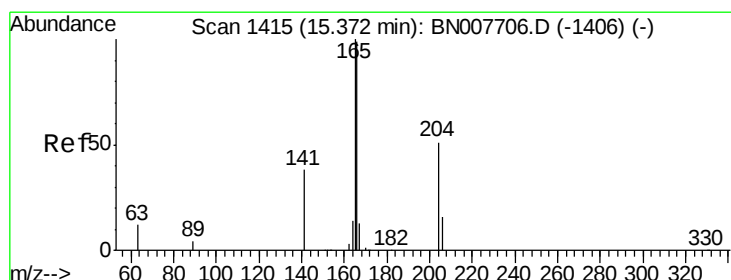
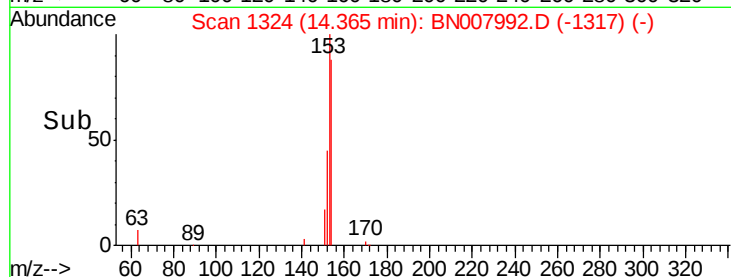
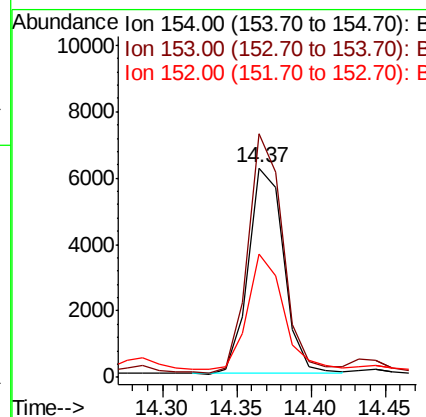
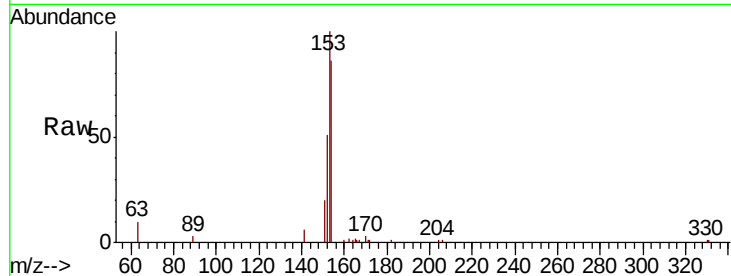
ClientSampleId :

PST-024-B265-092519

Tot Ion:	154	Resp:	10274
Ion Ratio	Lower	Upper	
154	100		
153	114.6	87.0	130.4
152	56.0	42.7	64.1

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#18

Fluorene

Concen: 0.281 ng

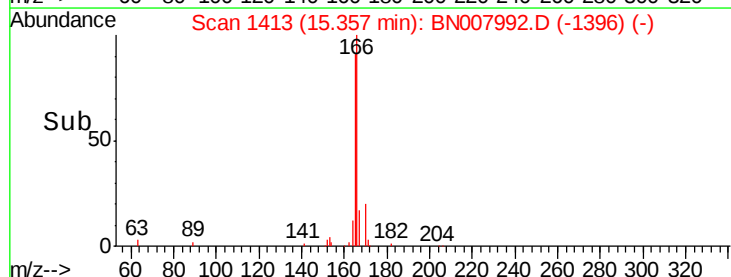
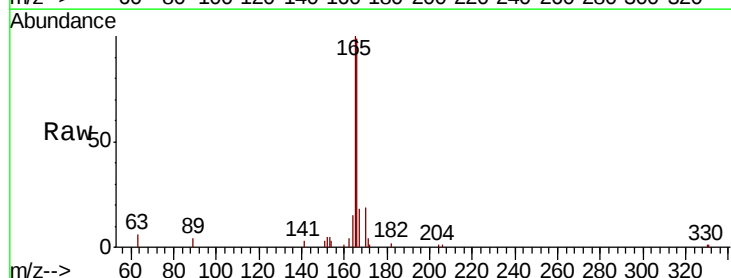
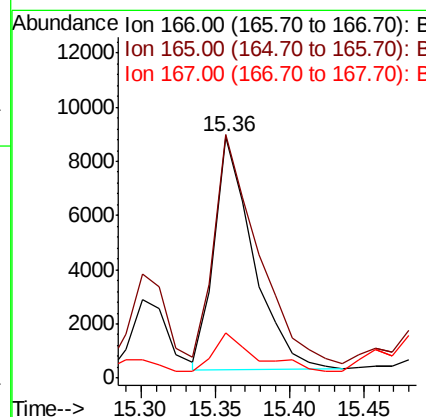
RT: 15.36 min Scan# 1413

Delta R.T. -0.02 min

Lab File: BN007992.D

Acq: 03 Oct 2019 22:11

Tgt Ion:	166	Resp:	15741
Ion Ratio	Lower	Upper	
166	100		
165	109.2	78.0	117.0
167	17.8	10.9	16.3#





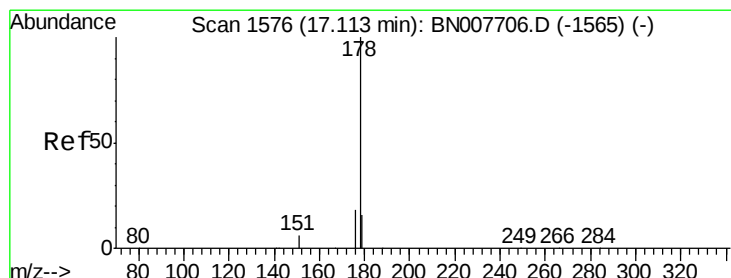
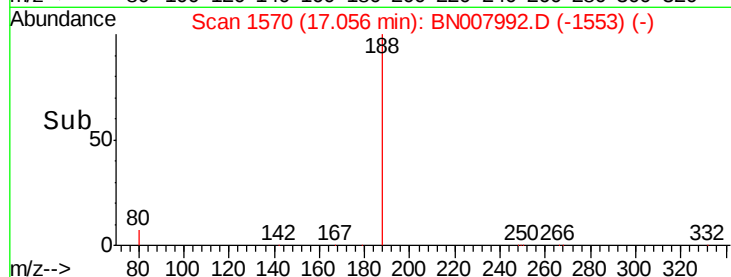
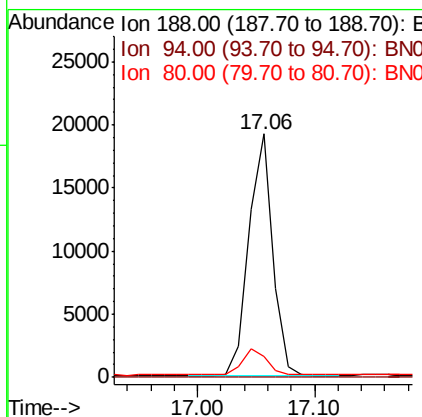
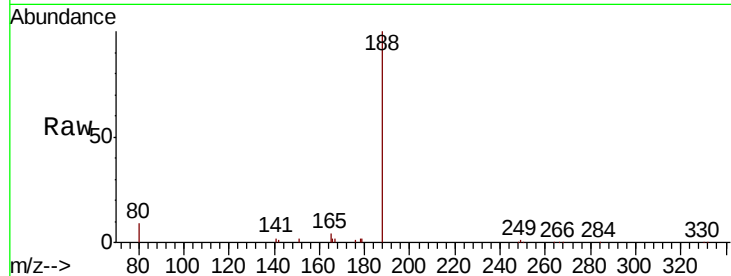
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.06 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BN007992.D
Acq: 03 Oct 2019 22:11

Instrument :
BNA_N
ClientSampleId :
PST-024-B265-092519

Tot Ion	Ratio	Resp	Lower	Upper
188	100	27335		
94	0.0	0.0	0.0	0.0
80	8.7	7.4	11.2	

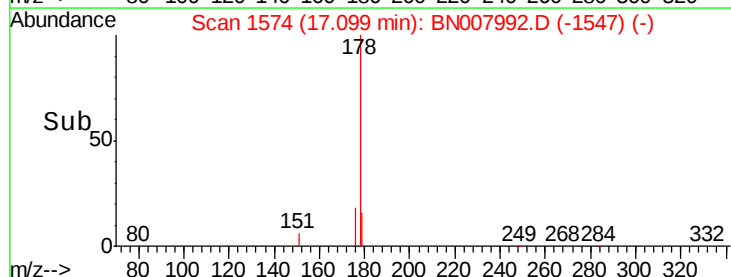
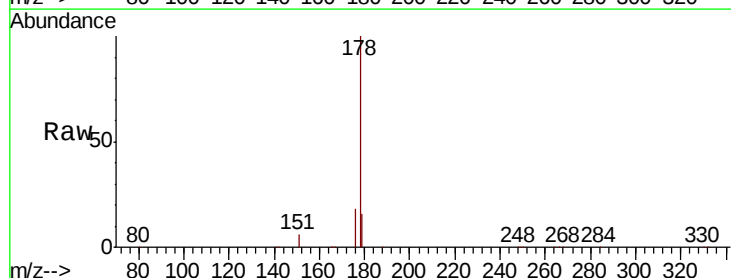
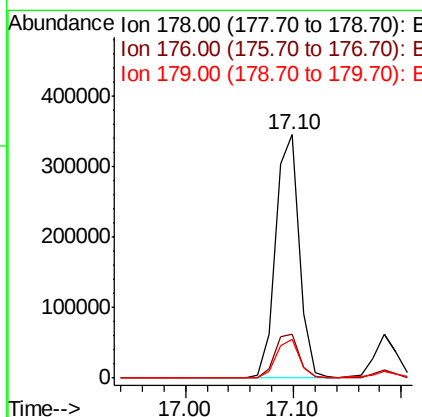
Manual Integrations
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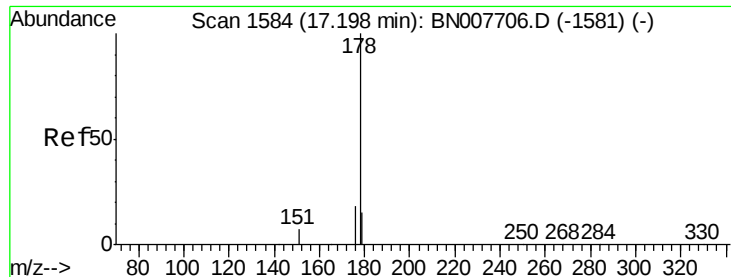
mohammad
10/7/2019 8:27:25 AM



#23
Phenanthrene
Concen: 6.120 ng
RT: 17.10 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BN007992.D
Acq: 03 Oct 2019 22:11

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	521143		
176	18.5	14.9	22.3	
179	15.6	12.5	18.7	





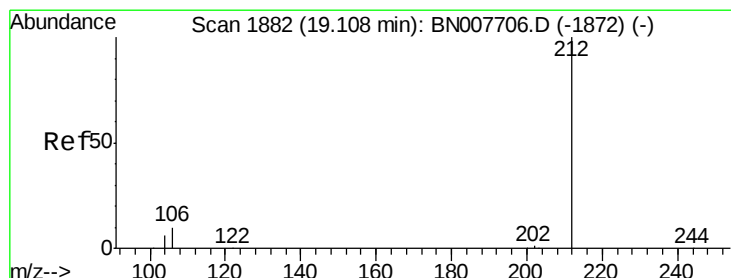
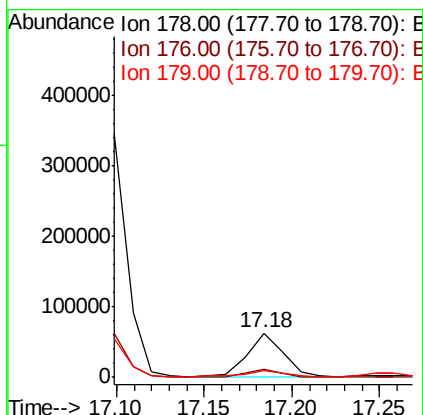
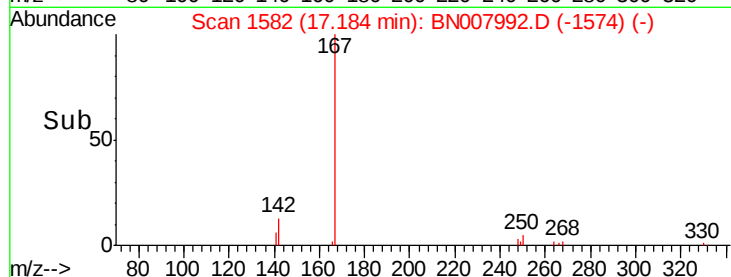
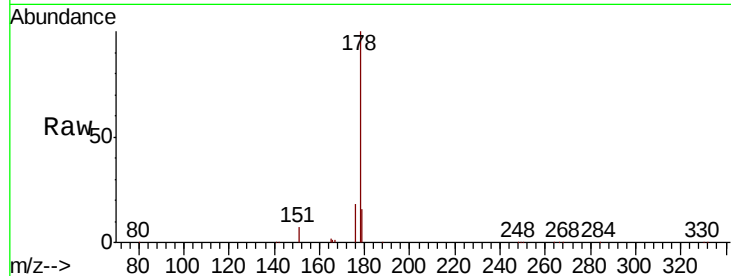
#24
 Anthracene
 Concen: 1.116 ng
 RT: 17.18 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BN007992.D
 Acq: 03 Oct 2019 22:11

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B265-092519

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.6	21.8
179	16.6	12.2	18.4

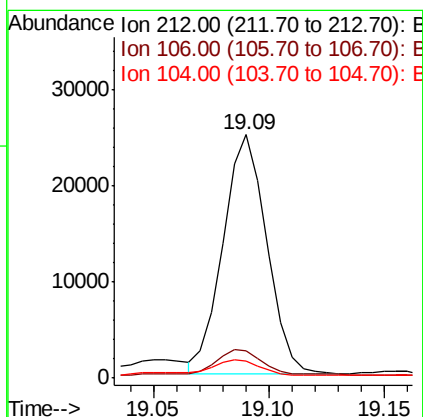
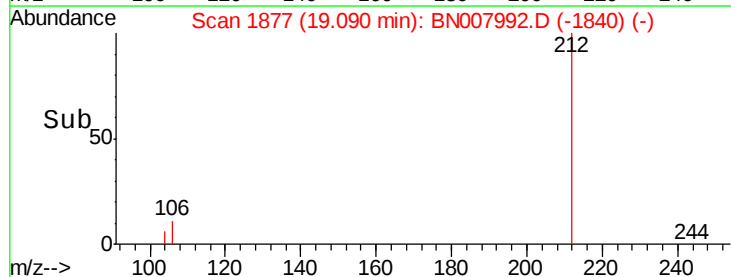
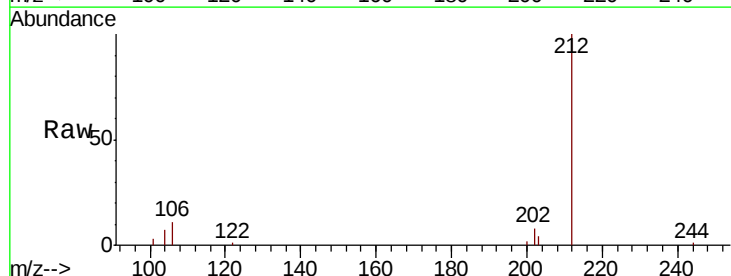
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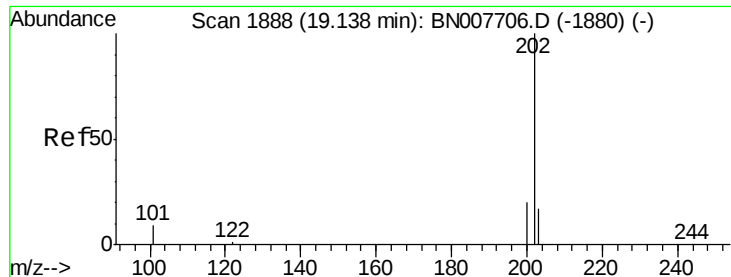
mohammad
 10/7/2019 8:27:25 AM



#25
 Fluoranthene-d10
 Concen: 0.351 ng
 RT: 19.09 min Scan# 1877
 Delta R.T. -0.02 min
 Lab File: BN007992.D
 Acq: 03 Oct 2019 22:11

Tgt Ion	Ratio	Lower	Upper
212	100		
106	11.1	9.4	14.0
104	6.7	5.3	7.9





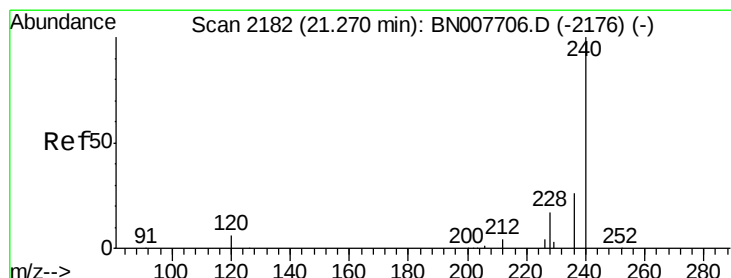
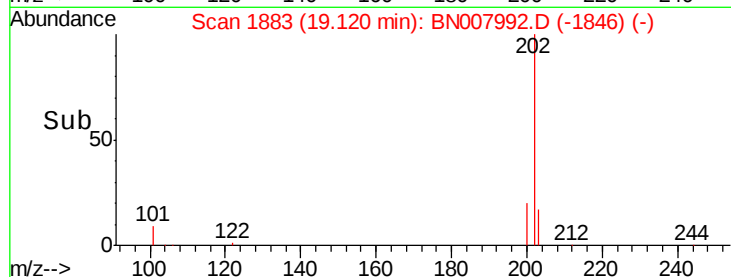
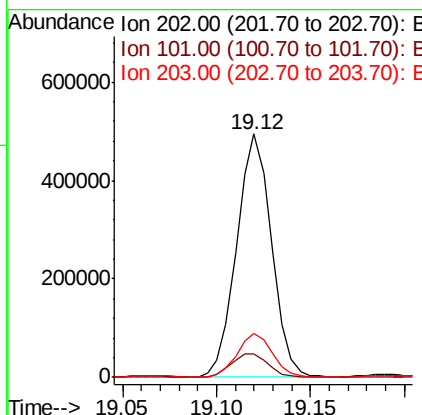
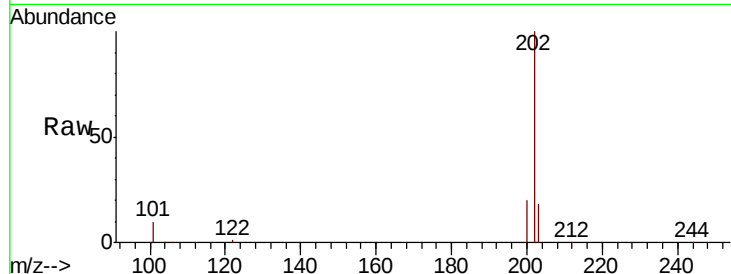
#26
Fluoranthene
Concen: 5.978 ng
RT: 19.12 min Scan# 1883
Delta R.T. -0.02 min
Lab File: BN007992.D
Acq: 03 Oct 2019 22:11

Instrument :
BNA_N
ClientSampleId :
PST-024-B265-092519

Tot Ion	Ratio	Resp	Lower	Upper
202	100	632989		
101	10.2		8.4	12.6
203	17.9		13.8	20.8

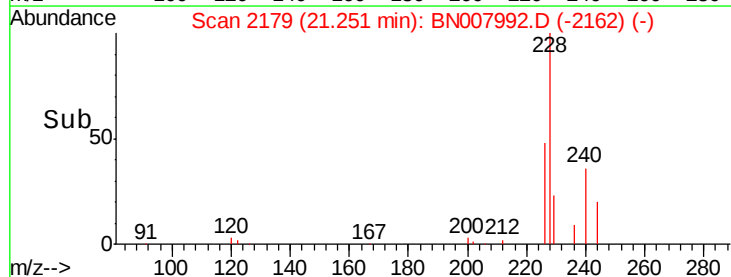
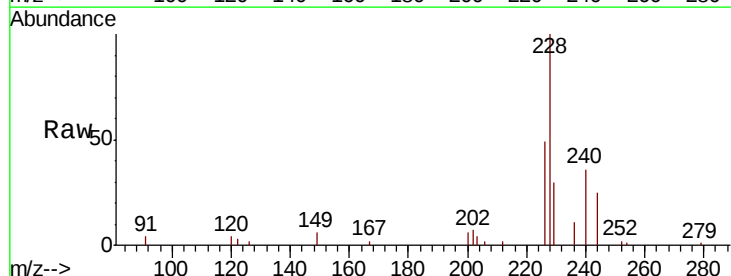
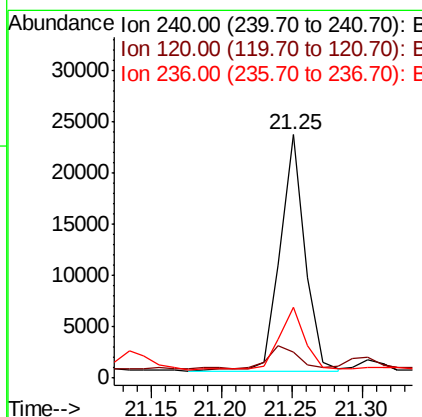
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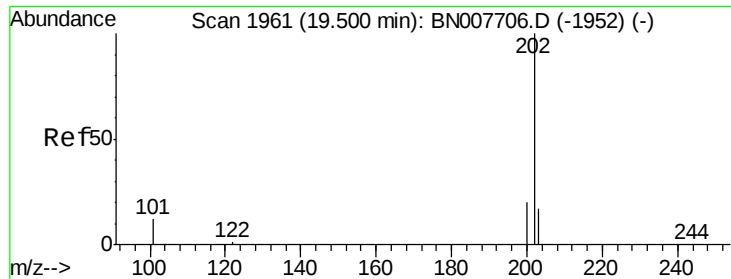
mohammad
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 2179
Delta R.T. -0.02 min
Lab File: BN007992.D
Acq: 03 Oct 2019 22:11

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	29138		
120	10.6		5.4	8.2#
236	29.3		21.0	31.4





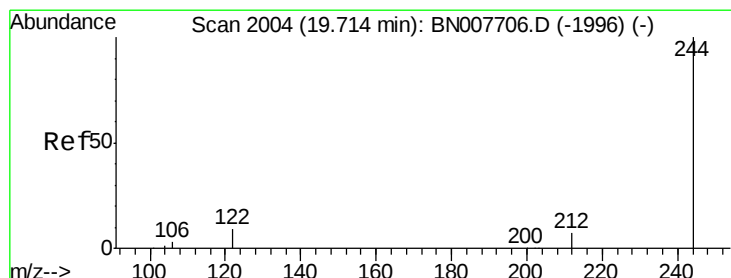
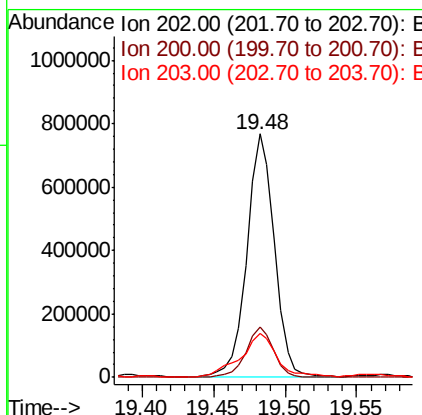
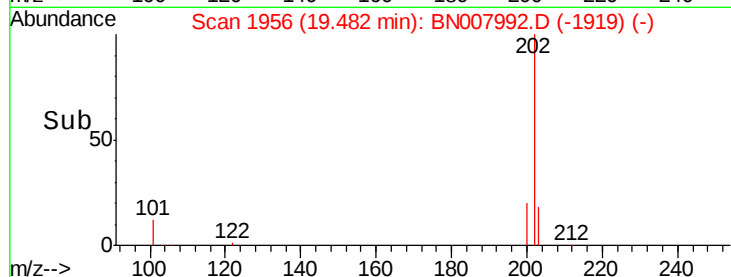
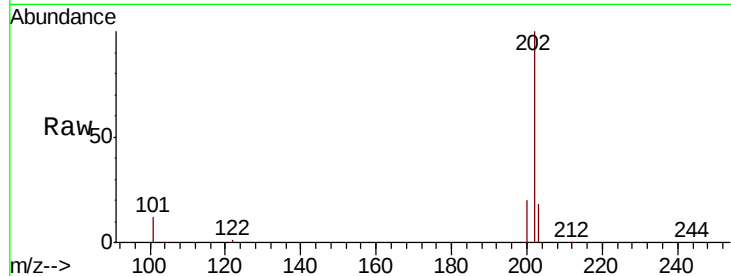
#28
Pvrene
Concen: 10.348 ng
RT: 19.48 min Scan# 1956
Delta R.T. -0.02 min
Lab File: BN007992.D
Acq: 03 Oct 2019 22:11

Instrument :
BNA_N
ClientSampleId :
PST-024-B265-092519

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.4	24.6
203	23.0	14.1	21.1

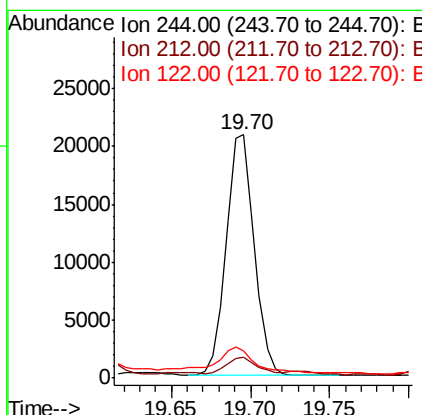
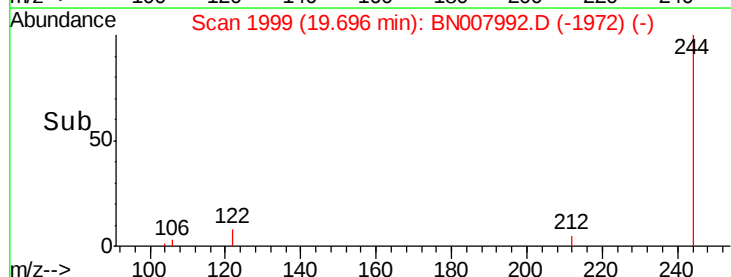
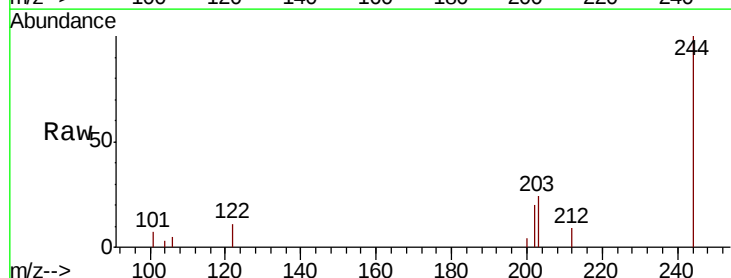
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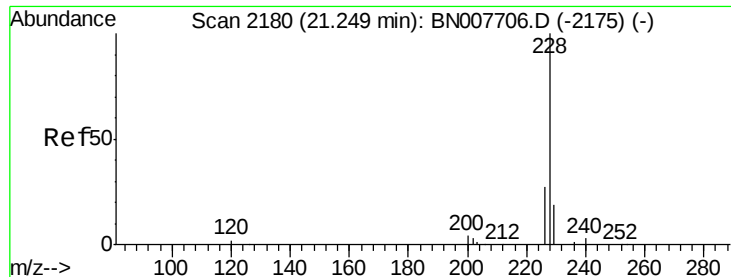
mohammad
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#29
Terphenyl-d14
Concen: 0.362 ng
RT: 19.70 min Scan# 1999
Delta R.T. -0.02 min
Lab File: BN007992.D
Acq: 03 Oct 2019 22:11

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.5	5.9	8.9
122	11.0	7.4	11.2





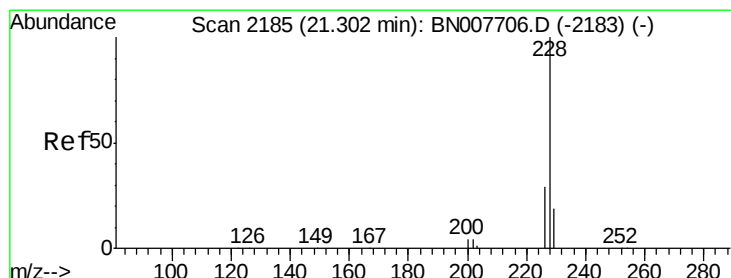
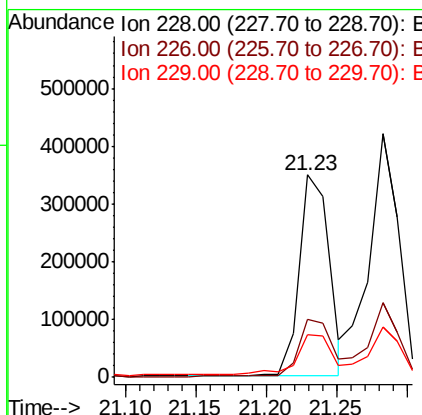
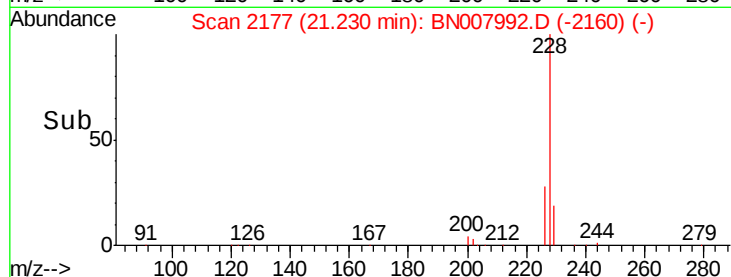
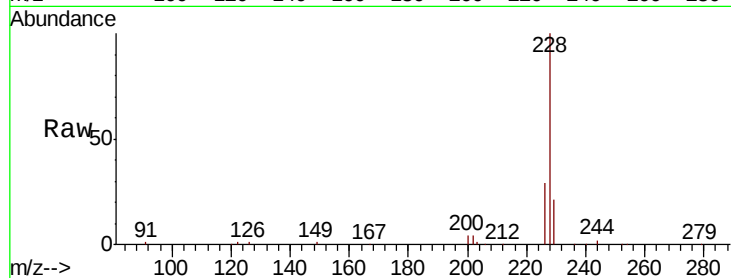
#30
Benzo(a)anthracene
Concen: 4.784 ng
RT: 21.23 min Scan# 2177
Delta R.T. -0.02 min
Lab File: BN007992.D
Acq: 03 Oct 2019 22:11

Instrument :
BNA_N
ClientSampleId :
PST-024-B265-092519

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.1	33.1
229	21.1	15.8	23.6

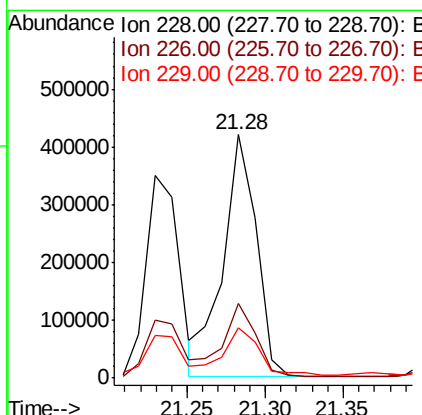
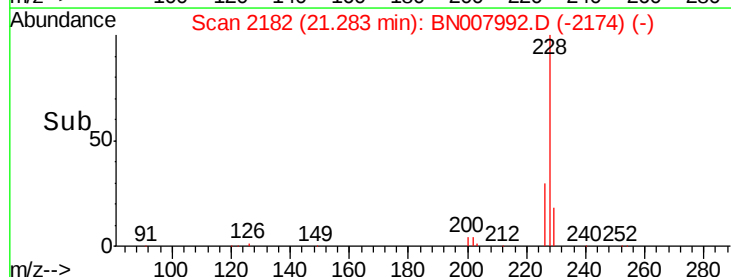
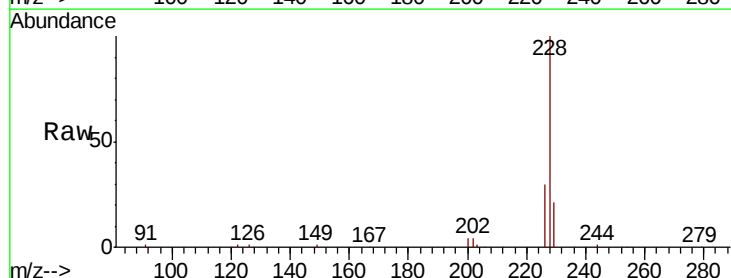
Manual Integrations
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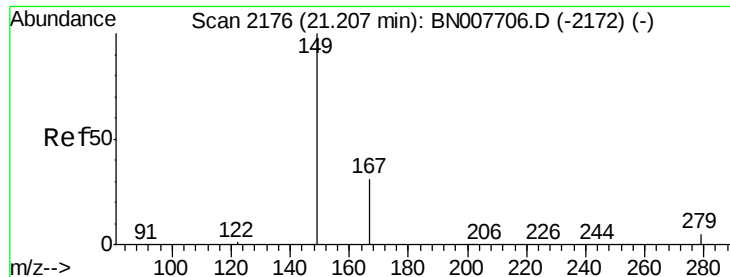
mohammad
10/7/2019 8:27:25 AM



#31
Chrysene
Concen: 5.960 ng
RT: 21.28 min Scan# 2182
Delta R.T. -0.02 min
Lab File: BN007992.D
Acq: 03 Oct 2019 22:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.9	35.9
229	20.8	15.8	23.6





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.144 ng

RT: 21.18 min Scan# 2172

Delta R.T. -0.03 min

Lab File: BN007992.D

Acq: 03 Oct 2019 22:11

Instrument :

BNA_N

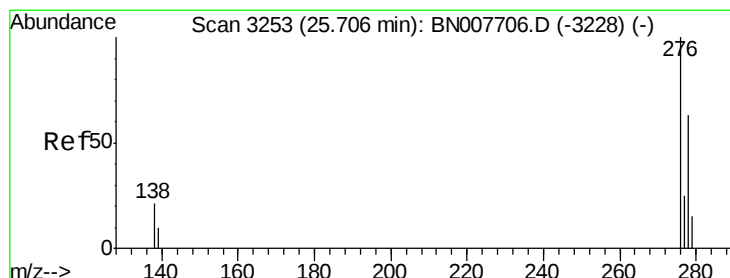
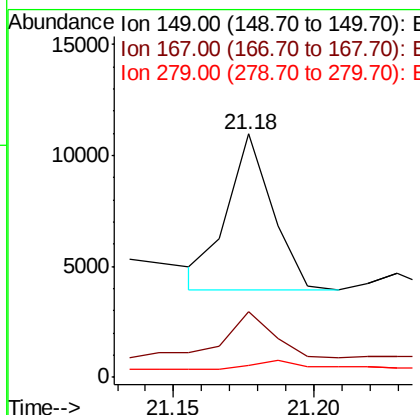
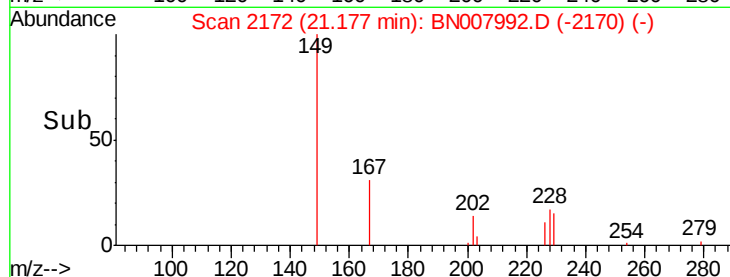
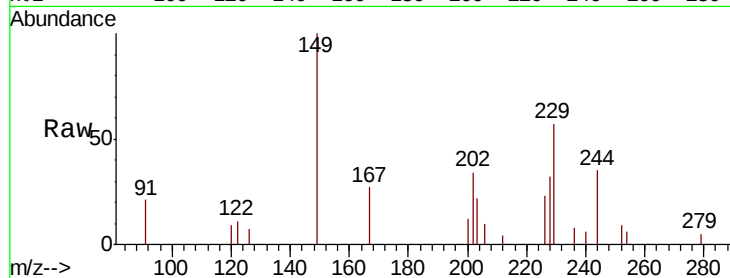
ClientSampleId :

PST-024-B265-092519

Tot Ion:	149	Resp:	7938
Ion Ratio	Lower	Upper	
149	100		
167	27.6	23.7	35.5
279	6.0	4.2	6.2

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#33

Indeno(1,2,3-cd)pyrene

Concen: 1.562 ng

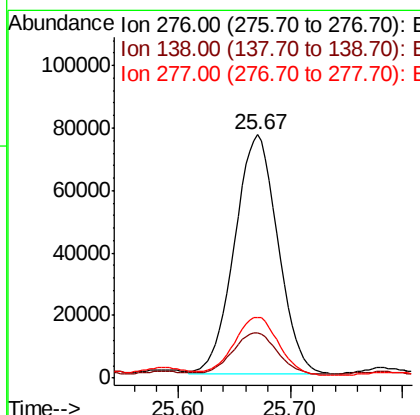
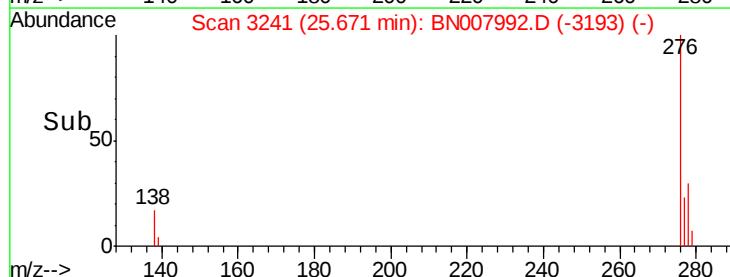
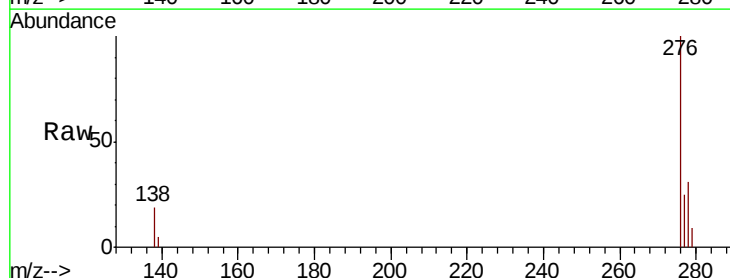
RT: 25.67 min Scan# 3241

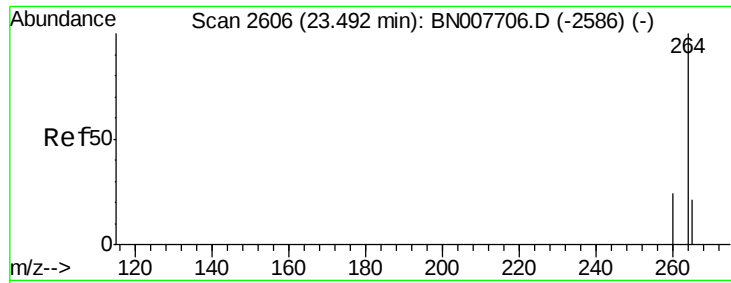
Delta R.T. -0.04 min

Lab File: BN007992.D

Acq: 03 Oct 2019 22:11

Tgt Ion:	276	Resp:	204558
Ion Ratio	Lower	Upper	
276	100		
138	17.8	17.1	25.7
277	25.0	20.0	30.0





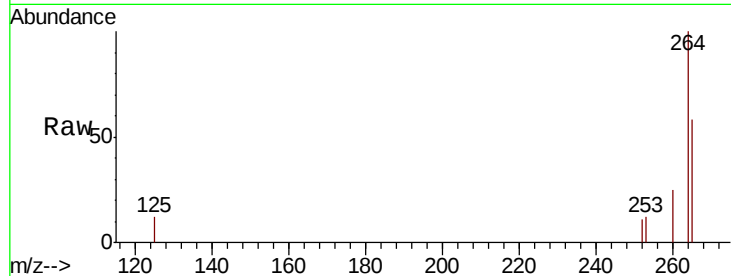
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.46 min Scan# 2596
Delta R.T. -0.03 min
Lab File: BN007992.D
Acq: 03 Oct 2019 22:11

Instrument :
BNA_N
ClientSampleId :
PST-024-B265-092519

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.3	28.9
265	57.7	26.9	40.3

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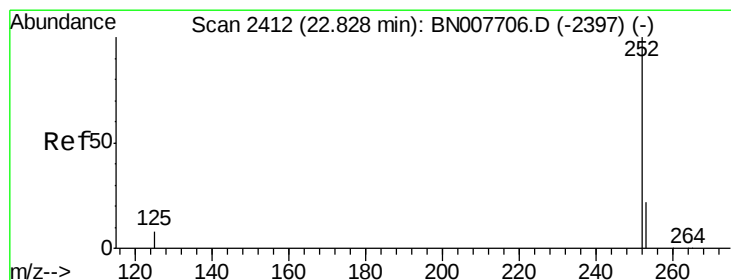
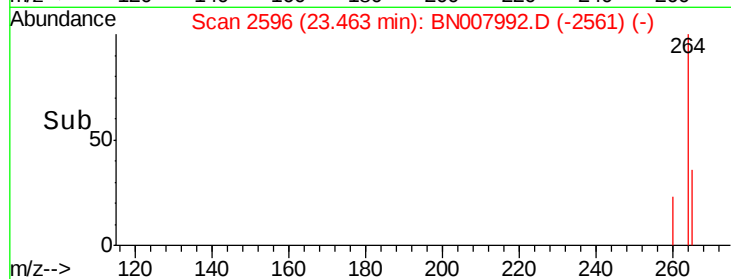
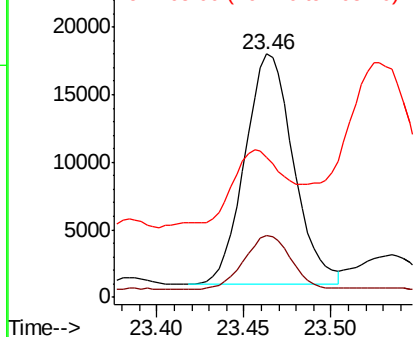


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#35
Benzo(b)fluoranthene
Concen: 3.898 ng
RT: 22.81 min Scan# 2404
Delta R.T. -0.02 min
Lab File: BN007992.D
Acq: 03 Oct 2019 22:11

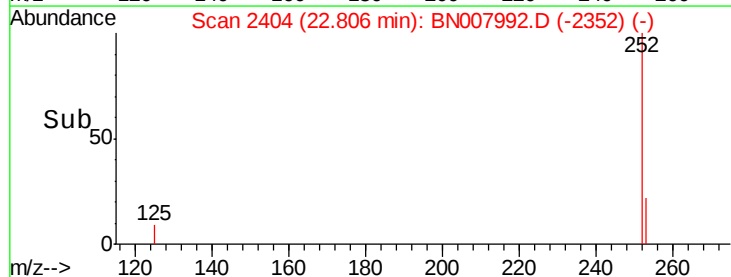
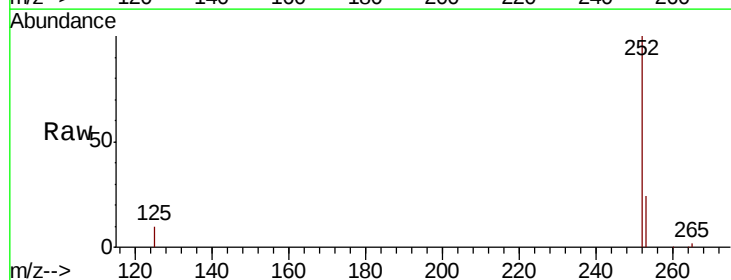
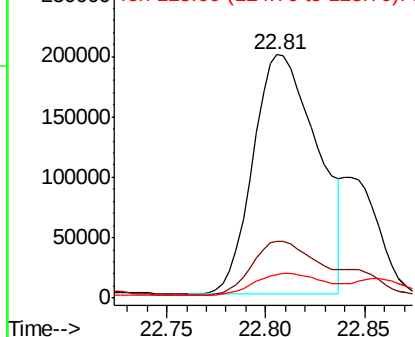
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.3	27.5
125	9.7	8.2	12.4

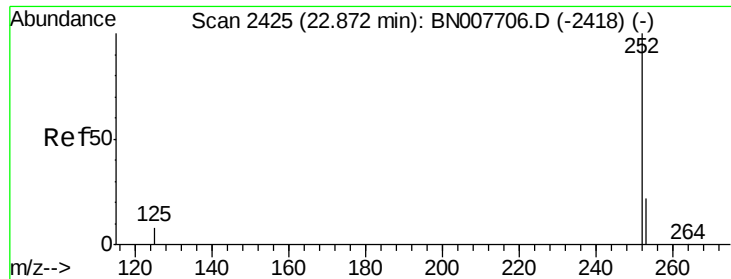
Abundance

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





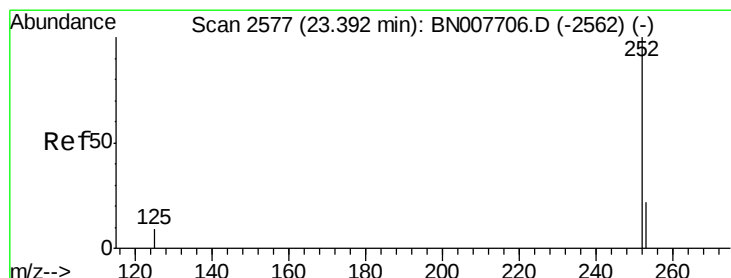
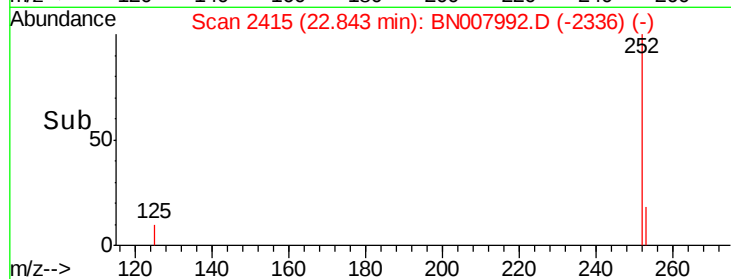
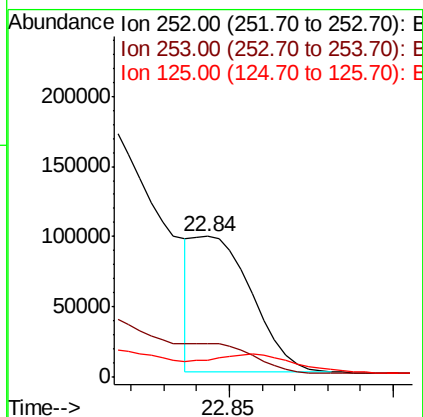
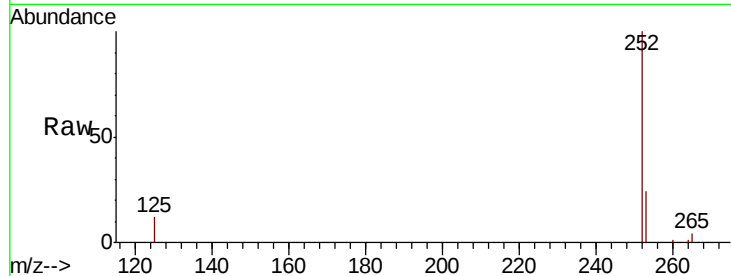
#36
Benzo(k)fluoranthene
Concen: 1.054 ng m
RT: 22.84 min Scan# 2415
Delta R.T. -0.03 min
Lab File: BN007992.D
Acq: 03 Oct 2019 22:11

Instrument :
BNA_N
ClientSampleId :
PST-024-B265-092519

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.5	27.7
125	12.5	8.4	12.6

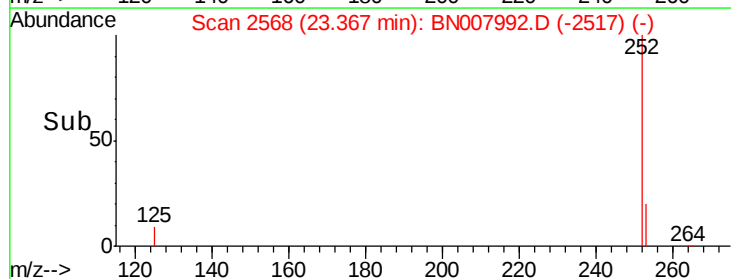
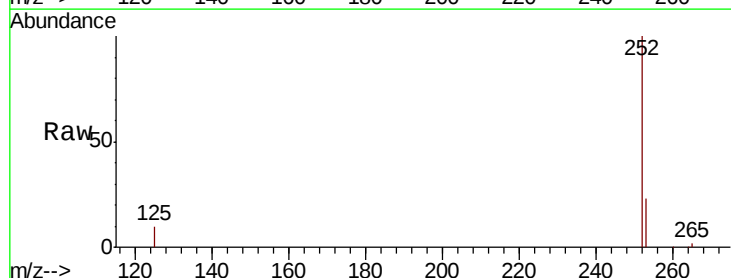
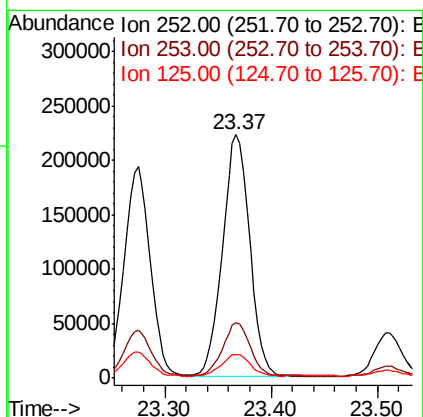
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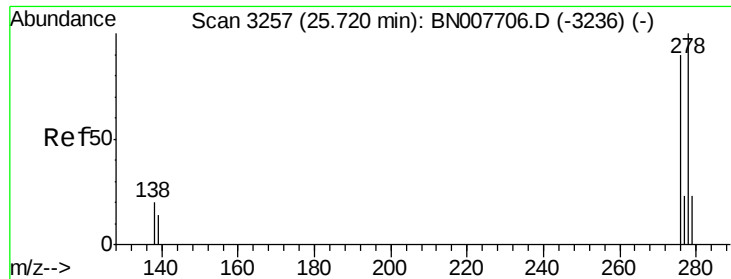
mohammad
10/7/2019 8:27:25 AM



#37
Benzo(a)pyrene
Concen: 3.626 ng
RT: 23.37 min Scan# 2568
Delta R.T. -0.03 min
Lab File: BN007992.D
Acq: 03 Oct 2019 22:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.6	27.8
125	9.8	9.4	14.0





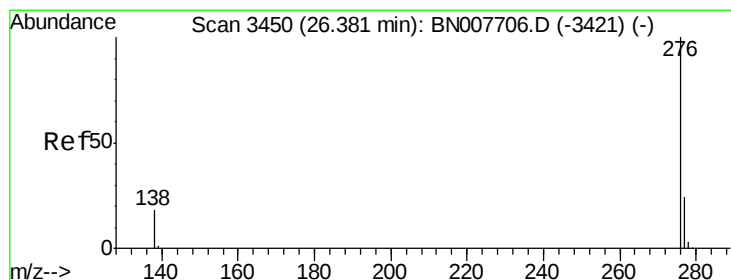
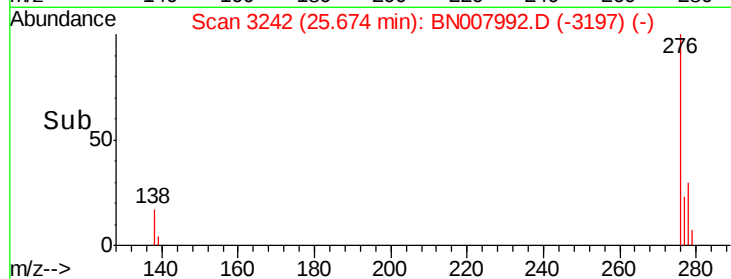
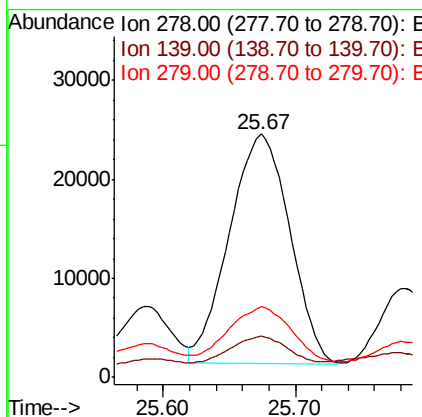
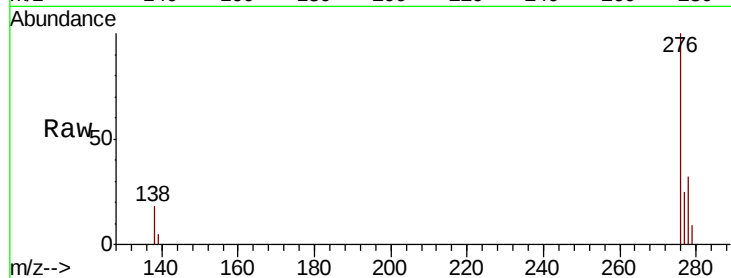
#38
Dibenzo(a,h)anthracene
Concen: 0.668 ng
RT: 25.67 min Scan# 3242
Delta R.T. -0.05 min
Lab File: BN007992.D
Acq: 03 Oct 2019 22:11

Instrument :
BNA_N
ClientSampleId :
PST-024-B265-092519

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.7	11.8	17.6
279	29.0	19.4	29.2

Manual Integrations
APPROVED

mohammad
10/7/2019 8:27:25 AM



#39
Benzo(g,h,i)perylene
Concen: 2.281 ng
RT: 26.34 min Scan# 3438
Delta R.T. -0.04 min
Lab File: BN007992.D
Acq: 03 Oct 2019 22:11

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.8	29.8
138	18.1	15.1	22.7

