

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN093019\
 Data File : BN007897.D
 Acq On : 30 Sep 2019 15:18
 Operator : JU
 Sample : K5077-22
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW137-092519

Manual Integrations
 APPROVED

mohammad
 10/2/2019 8:21:23 AM

Quant Time: Oct 01 07:19:02 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Sep 18 18:24:40 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	9092	0.40	ng	0.00
7) Naphthalene-d8	10.46	136	34761	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	19776	0.40	ng	-0.01
19) Phenanthrene-d10	17.06	188	38243	0.40	ng	-0.01
27) Chrysene-d12	21.26	240	37427	0.40	ng	-0.01
34) Perylene-d12	23.47	264	46560	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.31	112	6941	0.22	ng	0.00
5) Phenol-d6	6.86	99	9058	0.23	ng	0.00
8) Nitrobenzene-d5	8.83	82	7841	0.26	ng	0.00
11) 2-Methylnaphthalene-d10	12.05	152	15050	0.26	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	2238	0.21	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	20642	0.25	ng	-0.01
25) Fluoranthene-d10	19.09	212	30316	0.24	ng	-0.01
29) Terphenyl-d14	19.70	244	24665	0.27	ng	-0.01

Target Compounds

						Qvalue
9) Naphthalene	10.51	128	4312	0.044	ng	# 94
12) 2-Methylnaphthalene	12.13	142	2556	0.039	ng	# 95
16) Acenaphthylene	14.04	152	23195	0.221	ng	100
17) Acenaphthene	14.38	154	2257	0.033	ng	98
18) Fluorene	15.36	166	4828	0.056	ng	# 79
23) Phenanthrene	17.10	178	90892	0.763	ng	100
24) Anthracene	17.19	178	17059	0.159	ng	98
26) Fluoranthene	19.12	202	203906	1.376	ng	99
28) Pyrene	19.49	202	205055	1.606	ng	# 96
30) Benzo(a)anthracene	21.24	228	100512	0.729	ng	94
31) Chrysene	21.29	228	127888	0.952	ng	98
32) Bis(2-ethylhexyl)phthalate	21.19	149	59143	0.834	ng	98
33) Indeno(1,2,3-cd)pyrene	25.68	276	98147	0.584	ng	96
35) Benzo(b)fluoranthene	22.81	252	173233	1.072	ng	# 95
36) Benzo(k)fluoranthene	22.85	252	64329m	0.402	ng	
37) Benzo(a)pyrene	23.38	252	117404	0.773	ng	# 95
38) Dibenzo(a,h)anthracene	25.69	278	22925	0.147	ng	# 78
39) Benzo(a,h,i)perylene	26.35	276	108323	0.704	ng	98

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

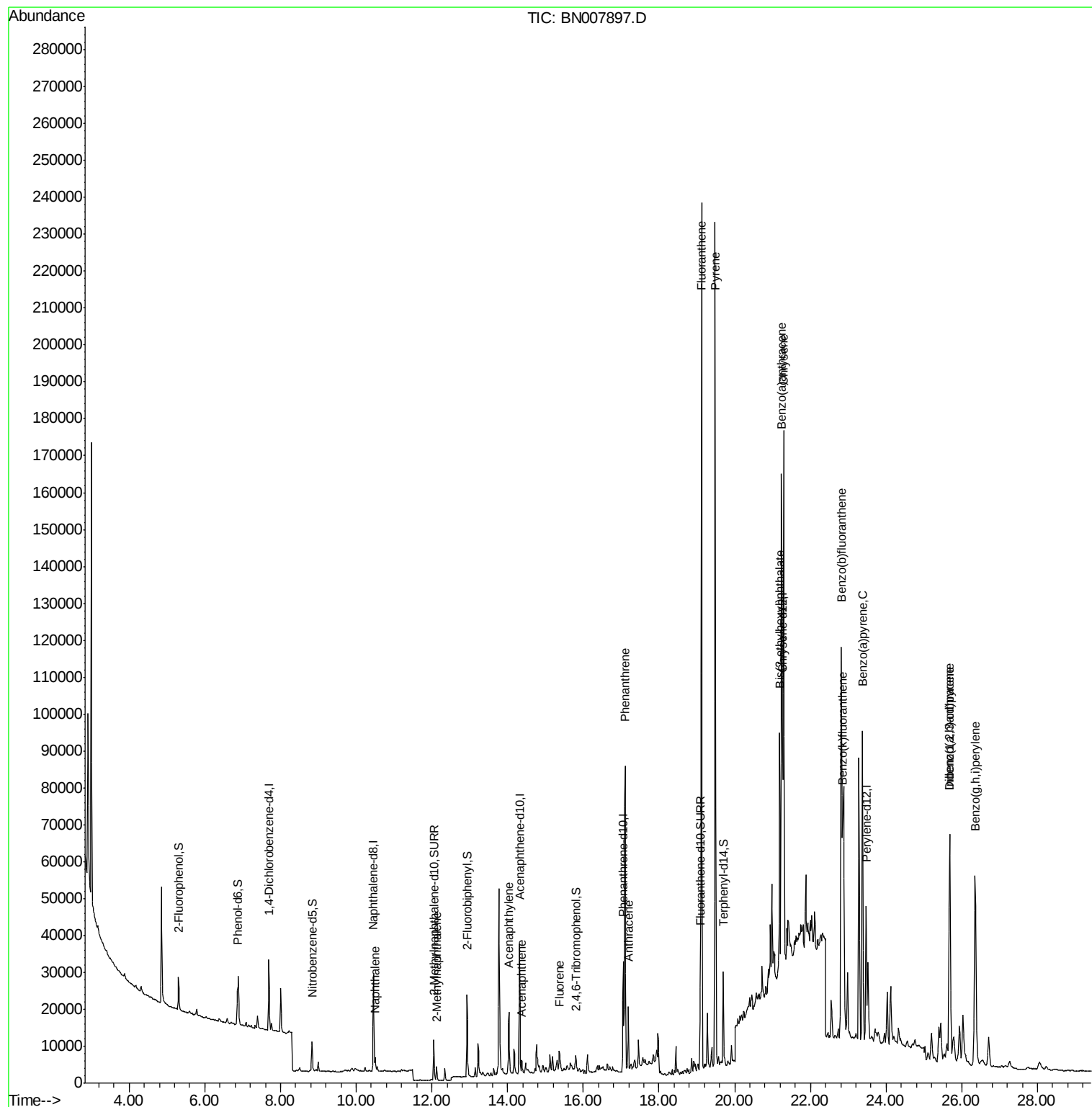
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN093019\
Data File : BN007897.D
Acq On : 30 Sep 2019 15:18
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Instrument :
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PST-024-SW137-092519

Quant Time: Oct 01 07:19:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M
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#1

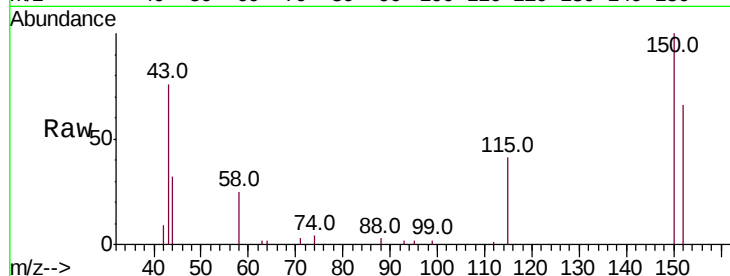
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 604
Delta R.T. -0.01 min
Lab File: BN007897.D
Acq: 30 Sep 2019 15:18

Instrument :
BNA_N
ClientSampleId :
PST-024-SW137-092519

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.4	125.6	188.4
115	62.0	53.3	79.9

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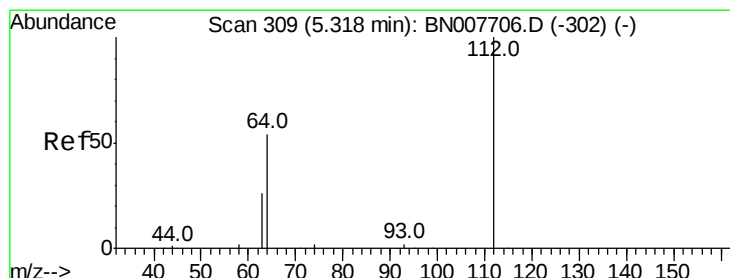
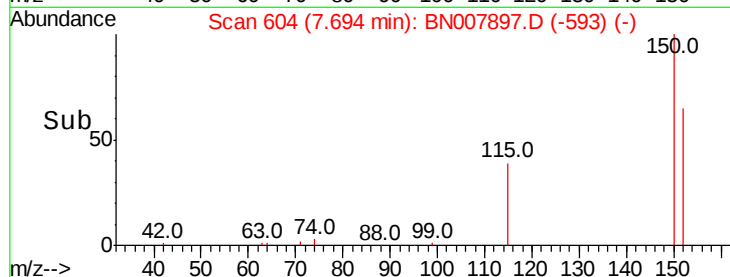
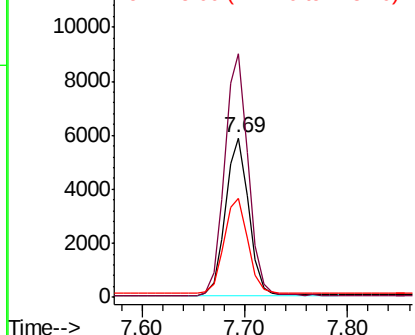


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

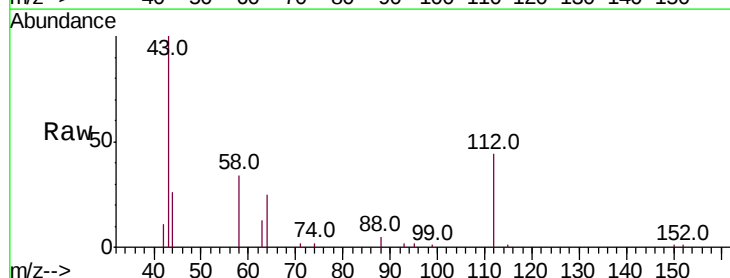
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.222 ng
RT: 5.31 min Scan# 308
Delta R.T. -0.01 min
Lab File: BN007897.D
Acq: 30 Sep 2019 15:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	46.6	70.0
63	28.2	23.1	34.7

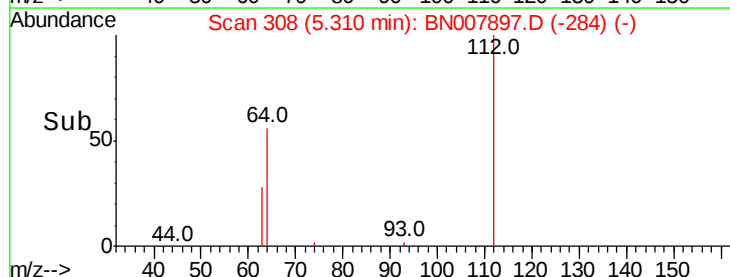
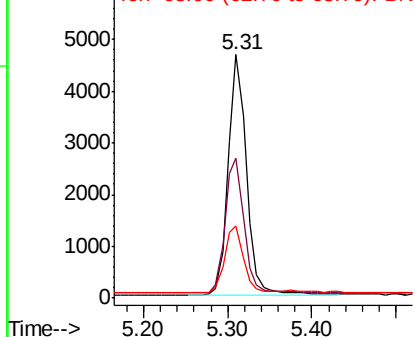


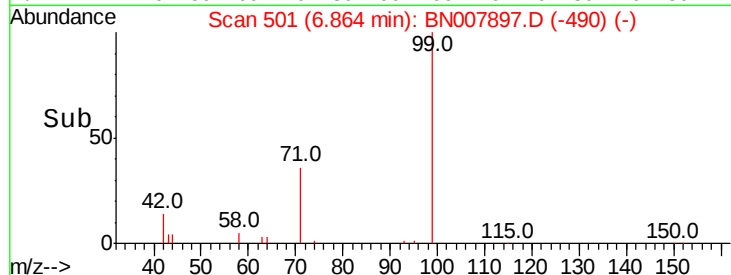
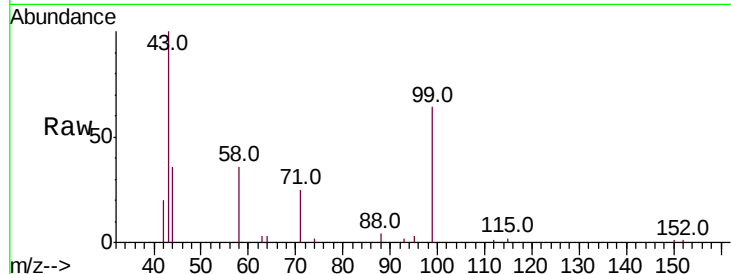
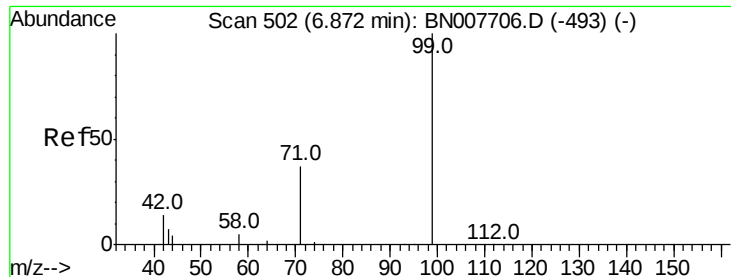
Abundance

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





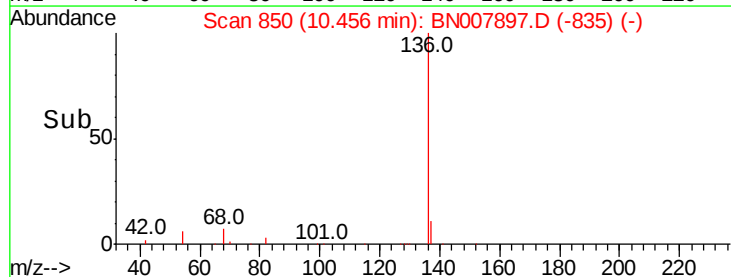
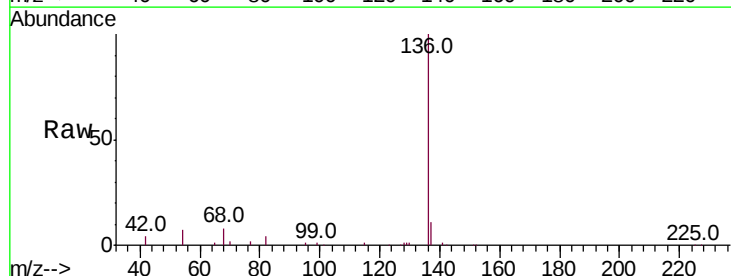
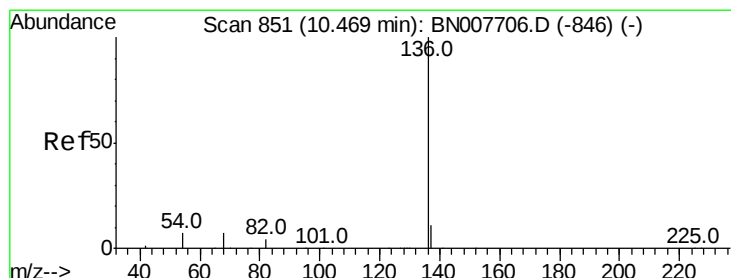
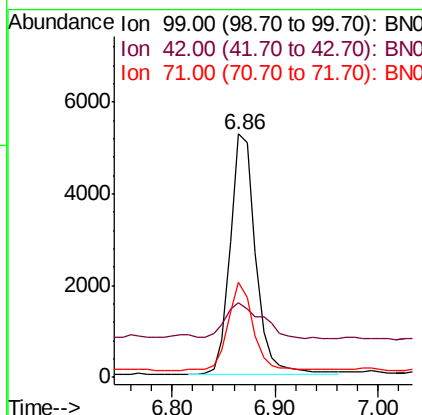
#5
Phenol-d6
Concen: 0.230 ng
RT: 6.86 min Scan# 501
Delta R.T. -0.01 min
Lab File: BN007897.D
Acq: 30 Sep 2019 15:18

Tot Ion	Ratio	Resp	Lower	Upper
99	100			
42	21.4	12.8	19.2#	
71	36.4	27.6	41.4	

Instrument :
BNA_N
ClientSampleId :
PST-024-SW137-092519

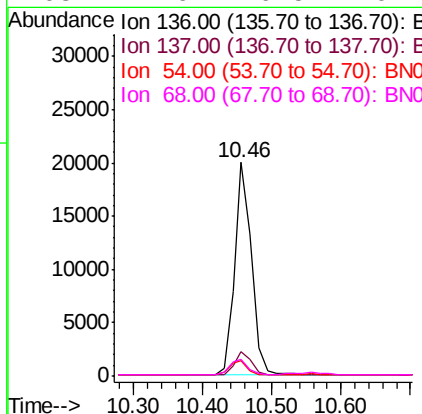
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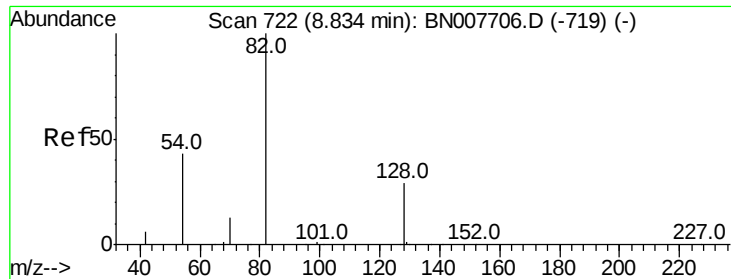
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#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.46 min Scan# 850
Delta R.T. -0.01 min
Lab File: BN007897.D
Acq: 30 Sep 2019 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	9.2	13.8	
54	7.0	5.8	8.8	
68	7.6	6.5	9.7	





#8

Nitrobenzene-d5

Concen: 0.258 ng

RT: 8.83 min Scan# 722

Delta R.T. 0.00 min

Lab File: BN007897.D

Acq: 30 Sep 2019 15:18

Instrument :

BNA_N

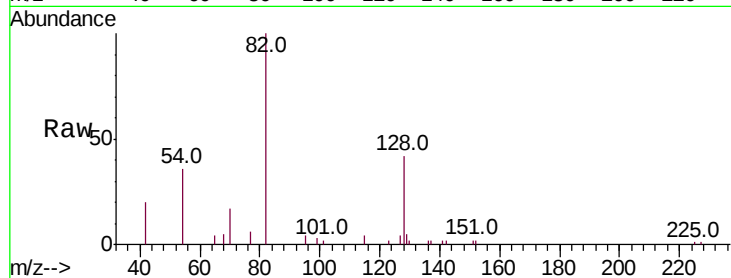
ClientSampleId :

PST-024-SW137-092519

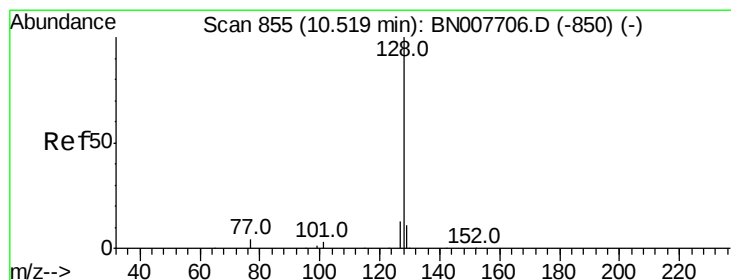
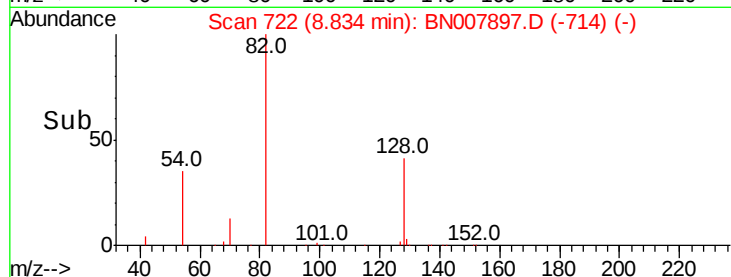
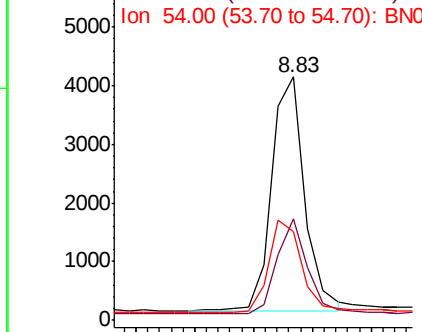
Tot Ion:	82	Resp:	7841
Ion Ratio	Lower	Upper	
82	100		
128	41.6	24.5	36.7#
54	36.3	35.2	52.8

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Abundance Ion 82.00 (81.70 to 82.70): BN007897.D (-847) (-)



#9

Naphthalene

Concen: 0.044 ng

RT: 10.51 min Scan# 854

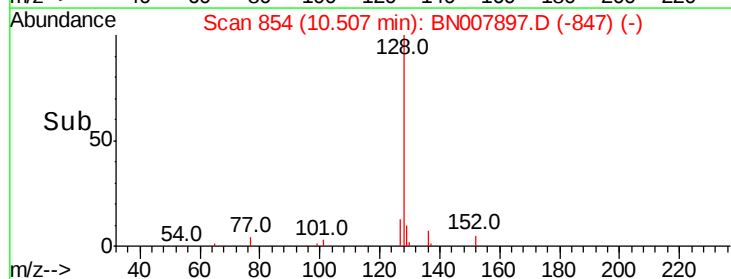
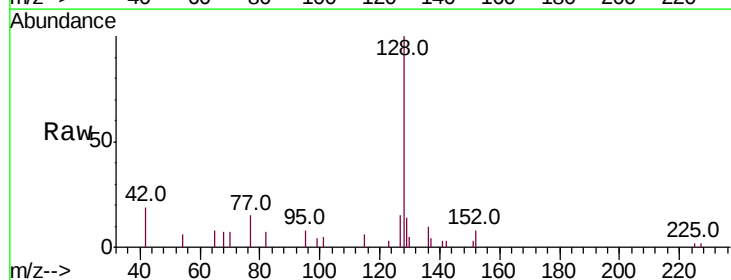
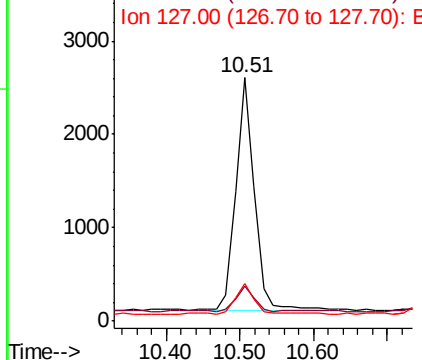
Delta R.T. -0.01 min

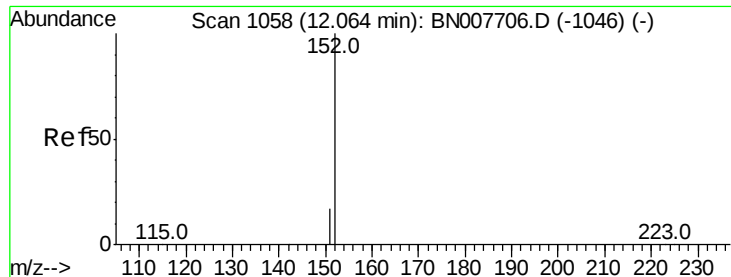
Lab File: BN007897.D

Acq: 30 Sep 2019 15:18

Tgt Ion:	128	Resp:	4312
Ion Ratio	Lower	Upper	
128	100		
129	14.2	9.1	13.7#
127	15.4	10.6	15.8

Abundance Ion 128.00 (127.70 to 128.70): BN007897.D (-847) (-)





#11

2-Methylnaphthalene-d10

Concen: 0.257 ng

RT: 12.05 min Scan# 1055

Delta R.T. -0.01 min

Lab File: BN007897.D

Acq: 30 Sep 2019 15:18

Instrument :

BNA_N

ClientSampleId :

PST-024-SW137-092519

Tot Ion:152 Resp: 15050

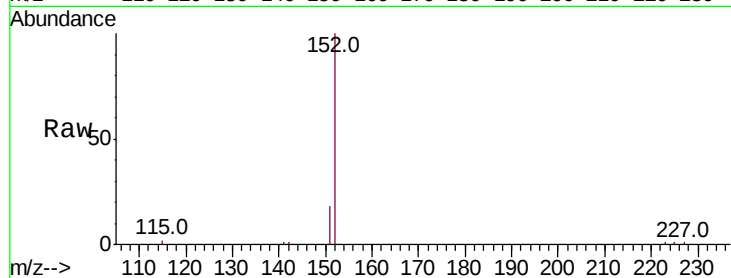
Ion Ratio Lower Upper

152 100

151 19.3 15.4 23.2

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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

10000

8000

6000

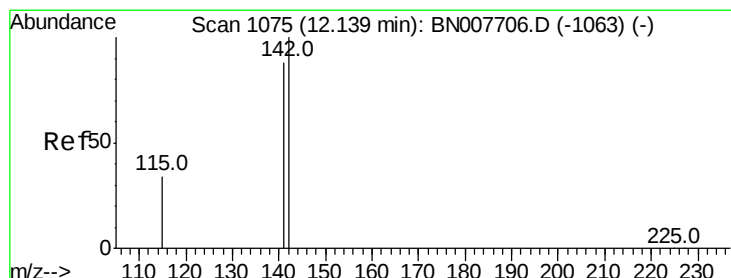
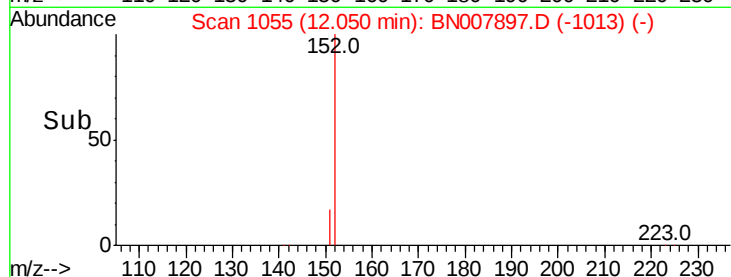
4000

2000

0

12.05

Time--> 11.90 12.00 12.10 12.20



#12

2-Methylnaphthalene

Concen: 0.039 ng

RT: 12.13 min Scan# 1072

Delta R.T. -0.01 min

Lab File: BN007897.D

Acq: 30 Sep 2019 15:18

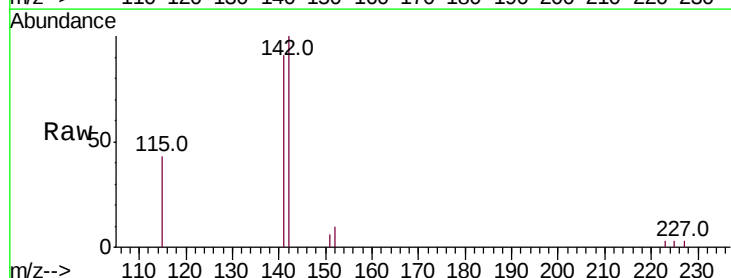
Tgt Ion:142 Resp: 2556

Ion Ratio Lower Upper

142 100

141 90.7 70.6 106.0

115 42.8 28.3 42.5#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

2000

1500

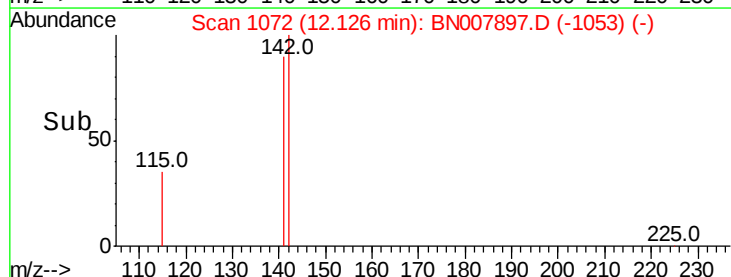
1000

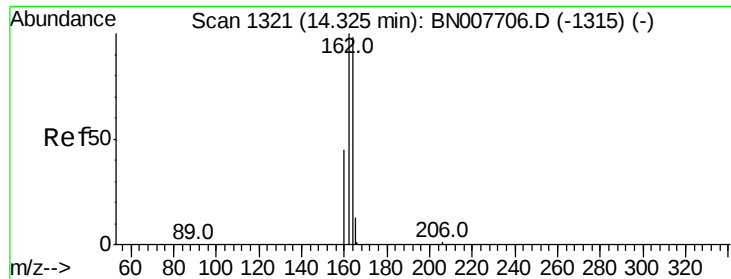
500

0

12.13

Time--> 12.10 12.20





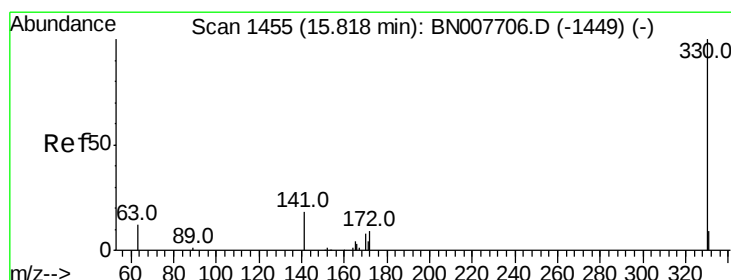
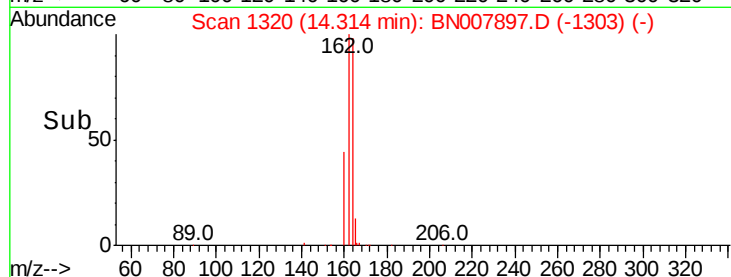
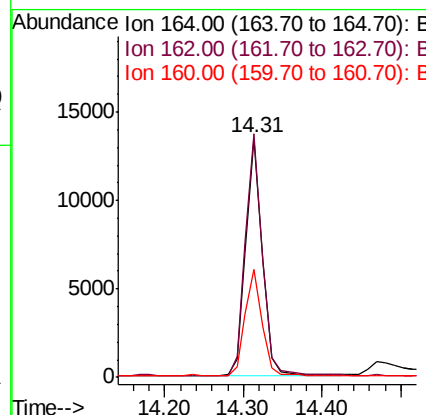
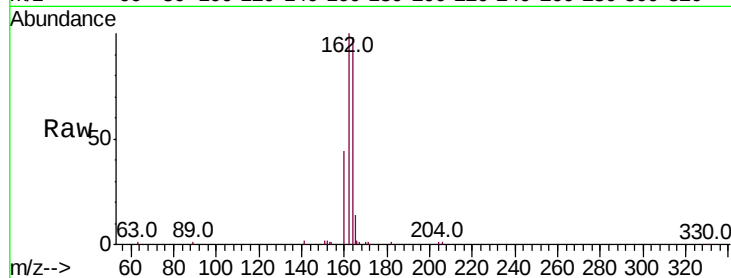
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BN007897.D
Acq: 30 Sep 2019 15:18

Instrument :
BNA_N
ClientSampleId :
PST-024-SW137-092519

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.1	81.7	122.5
160	45.2	37.0	55.4

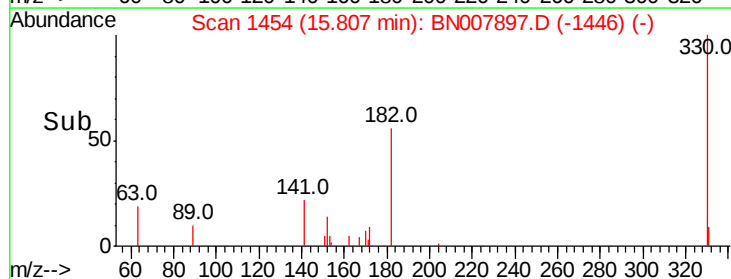
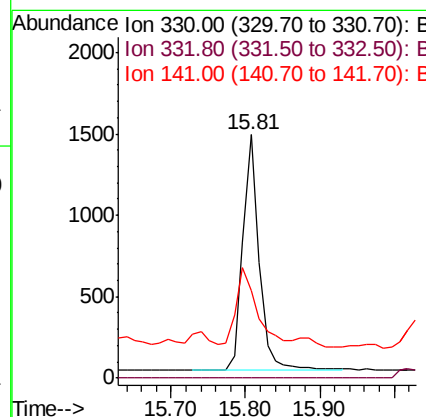
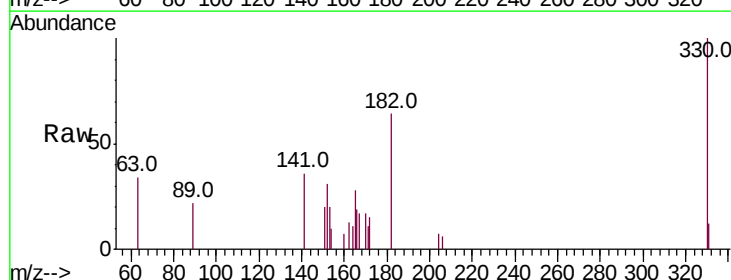
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#14
2,4,6-Tribromophenol
Concen: 0.208 ng
RT: 15.81 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BN007897.D
Acq: 30 Sep 2019 15:18

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	40.0	28.7	43.1





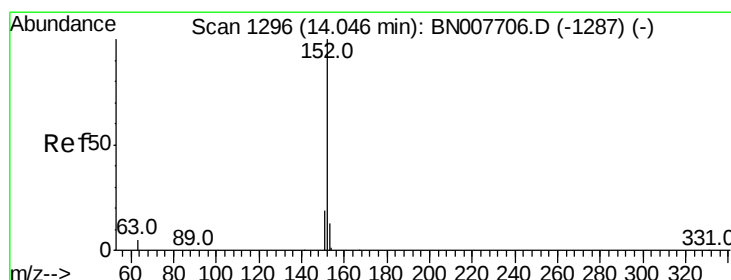
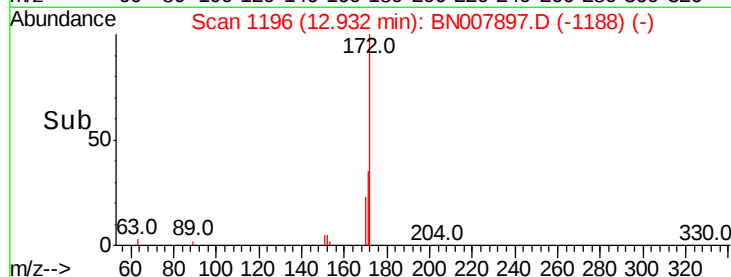
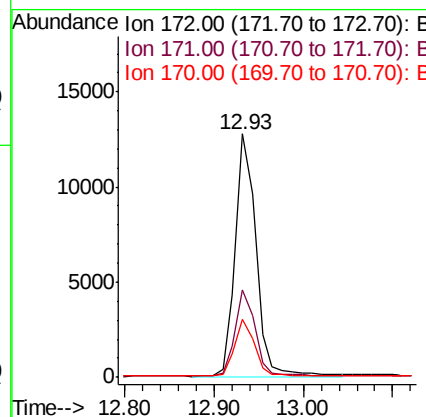
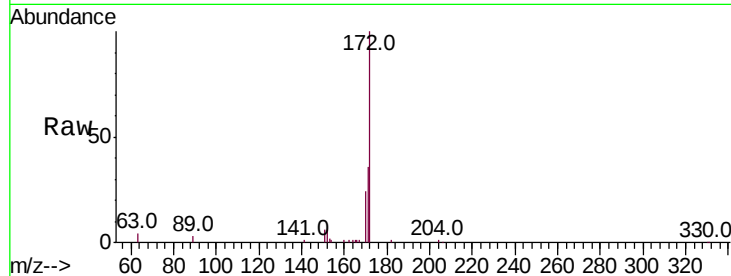
#15
2-Fluorobiphenyl
Concen: 0.253 ng
RT: 12.93 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BN007897.D
Acq: 30 Sep 2019 15:18

Instrument :
BNA_N
ClientSampleId :
PST-024-SW137-092519

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.8	43.2
170	23.8	19.5	29.3

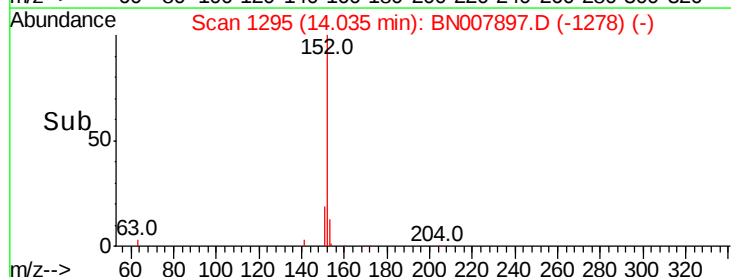
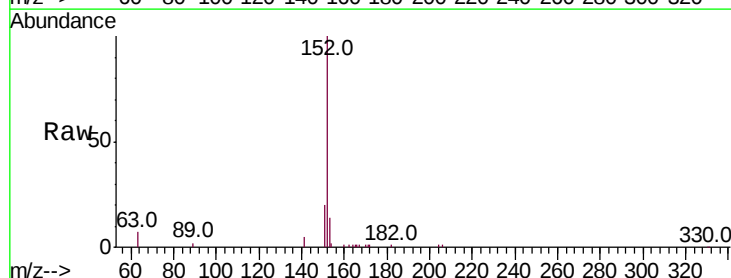
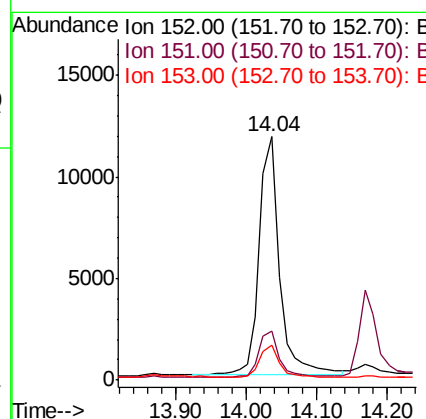
Manual Integrations
APPROVED

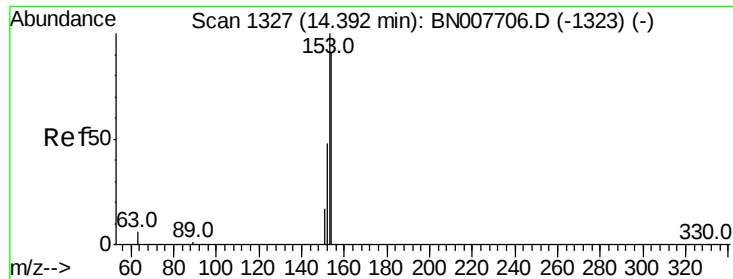
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#16
Acenaphthylene
Concen: 0.221 ng
RT: 14.04 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BN007897.D
Acq: 30 Sep 2019 15:18

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.5	23.3
153	12.9	10.4	15.6





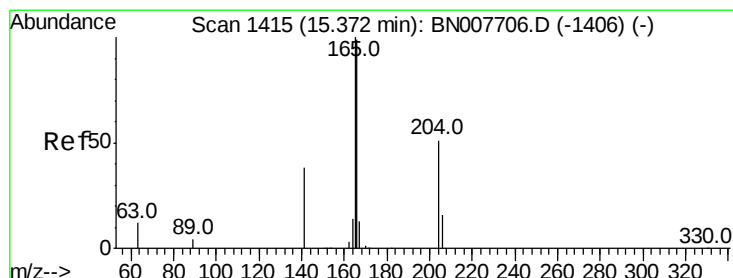
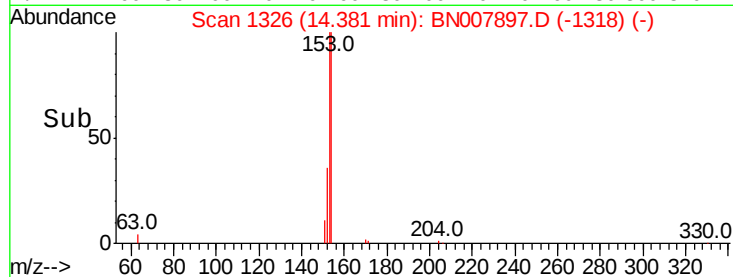
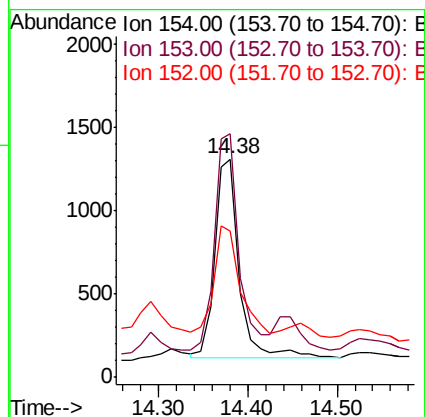
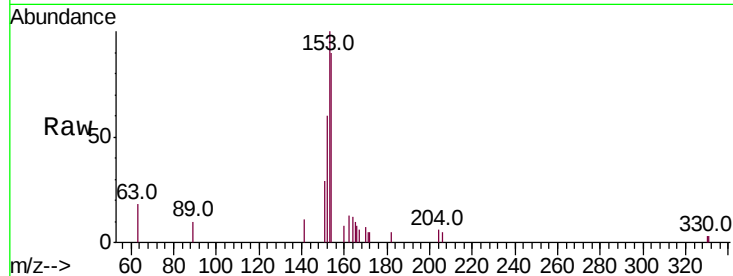
#17
Acenaphthene
Concen: 0.033 ng
RT: 14.38 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BN007897.D
Acq: 30 Sep 2019 15:18

Instrument :
BNA_N
ClientSampleId :
PST-024-SW137-092519

Tot Ion:	154	Resp:	2257
Ion Ratio	Lower	Upper	
154	100		
153	107.7	87.0	130.4
152	56.9	42.7	64.1

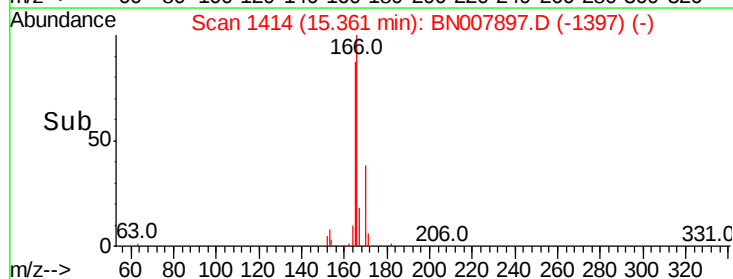
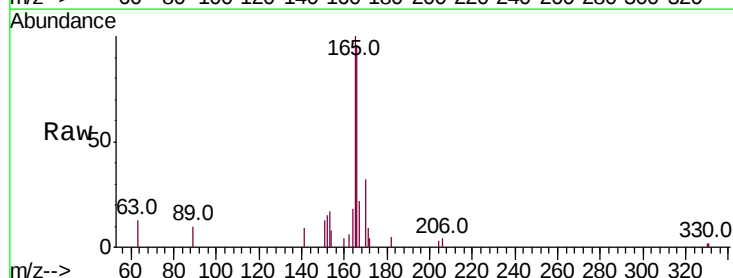
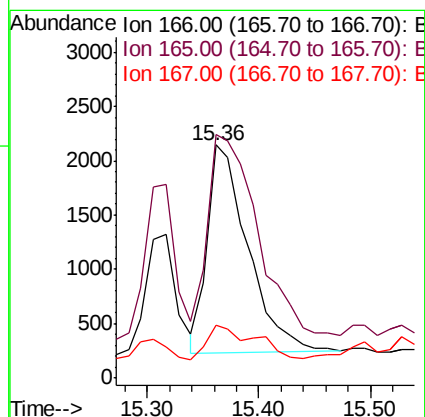
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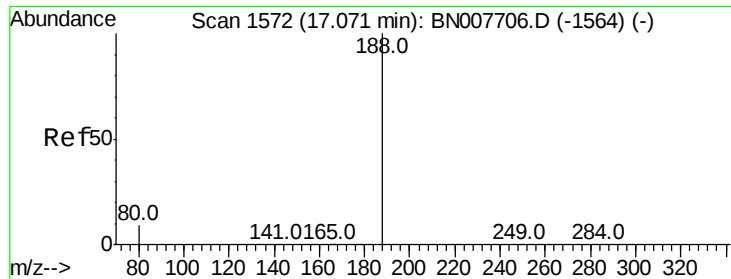
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#18
Fluorene
Concen: 0.056 ng
RT: 15.36 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BN007897.D
Acq: 30 Sep 2019 15:18

Tgt Ion:	166	Resp:	4828
Ion Ratio	Lower	Upper	
166	100		
165	119.5	78.0	117.0#
167	19.7	10.9	16.3#





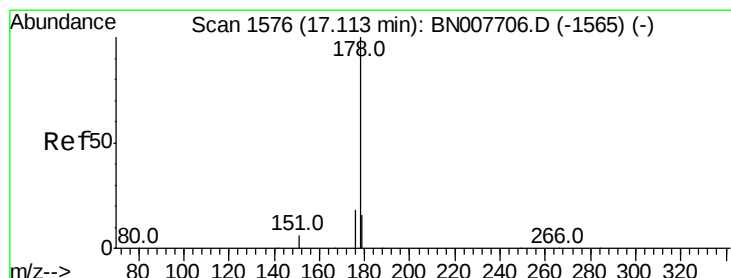
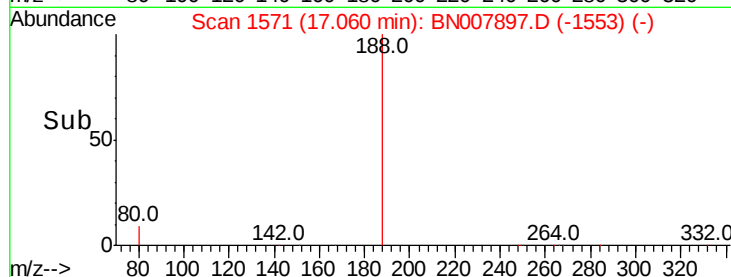
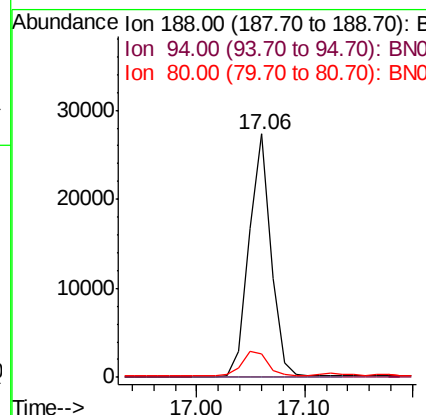
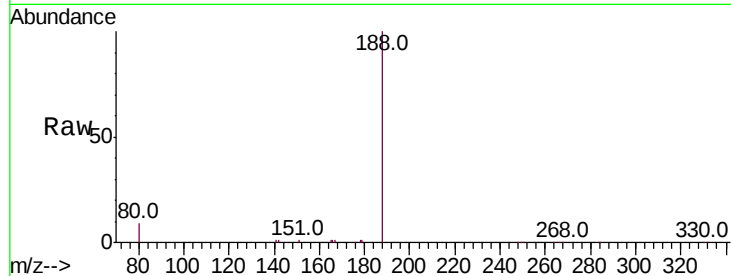
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.06 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BN007897.D
Acq: 30 Sep 2019 15:18

Instrument :
BNA_N
ClientSampleId :
PST-024-SW137-092519

Tot Ion	Ratio	Resp	Lower	Upper
188	100	38243		
94	0.0	0.0	0.0	0.0
80	9.4	7.4	11.2	

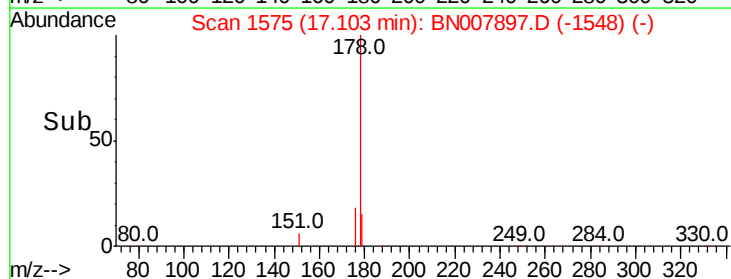
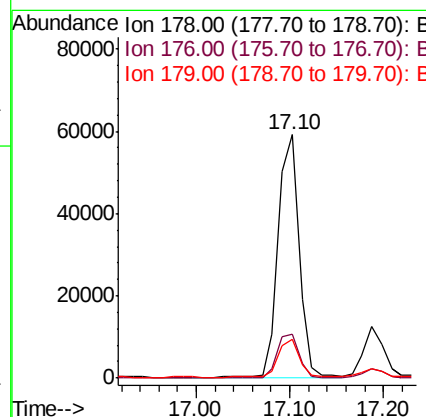
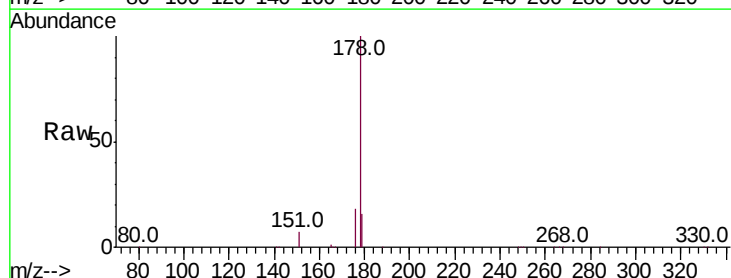
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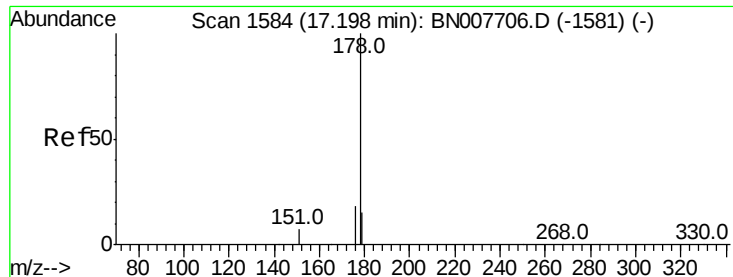
mohammad
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#23
Phenanthrene
Concen: 0.763 ng
RT: 17.10 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BN007897.D
Acq: 30 Sep 2019 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	90892		
176	18.6	14.9	22.3	
179	15.7	12.5	18.7	





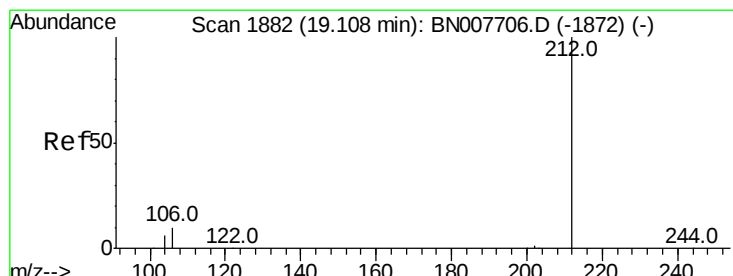
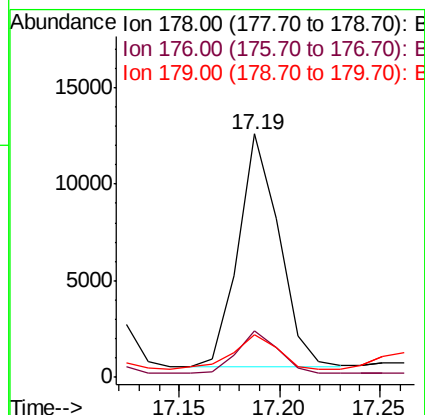
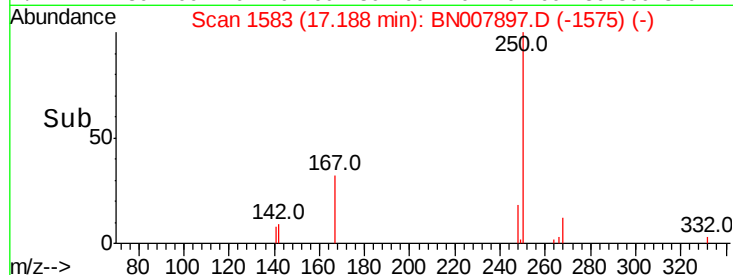
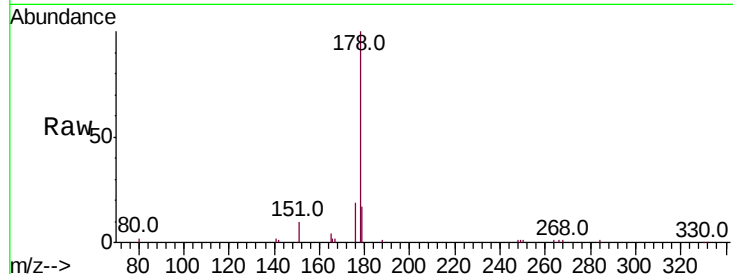
#24
 Anthracene
 Concen: 0.159 ng
 RT: 17.19 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BN007897.D
 Acq: 30 Sep 2019 15:18

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-SW137-092519

Tot Ion:178	Resp:	17059
Ion Ratio	Lower	Upper
178	100	
176	18.5	14.6 21.8
179	16.5	12.2 18.4

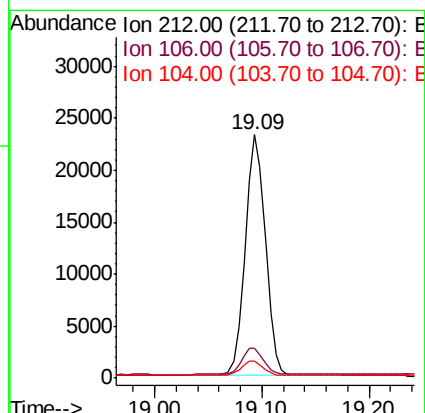
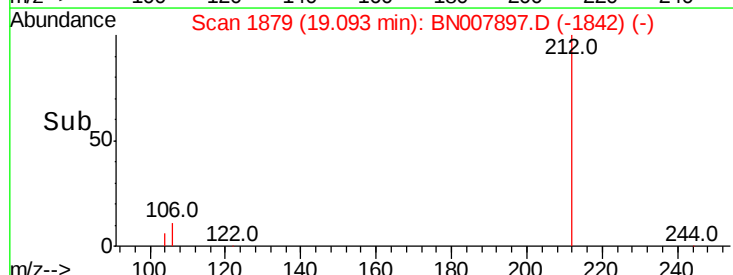
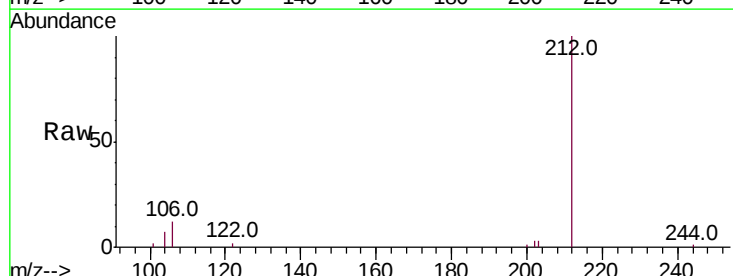
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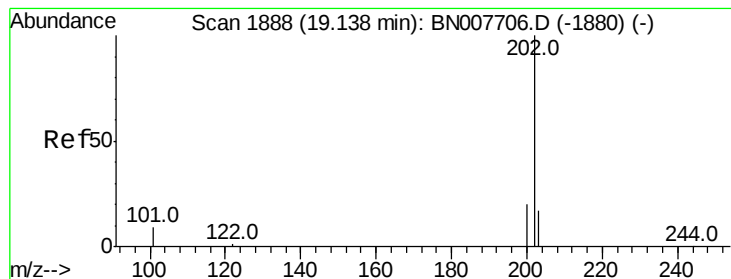
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#25
 Fluoranthene-d10
 Concen: 0.235 ng
 RT: 19.09 min Scan# 1879
 Delta R.T. -0.01 min
 Lab File: BN007897.D
 Acq: 30 Sep 2019 15:18

Tgt Ion:212	Resp:	30316
Ion Ratio	Lower	Upper
212	100	
106	11.5	9.4 14.0
104	6.9	5.3 7.9





#26

Fluoranthene

Concen: 1.376 ng

RT: 19.12 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BN007897.D

Acq: 30 Sep 2019 15:18

Instrument :

BNA_N

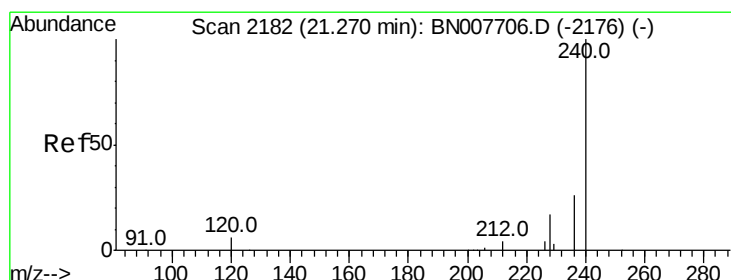
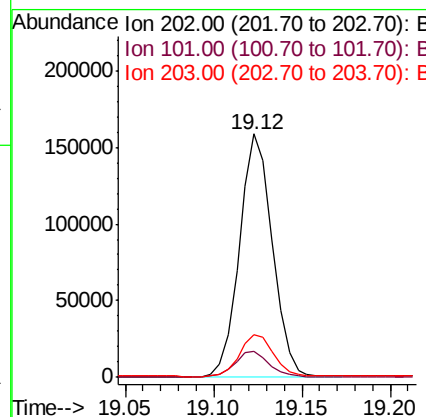
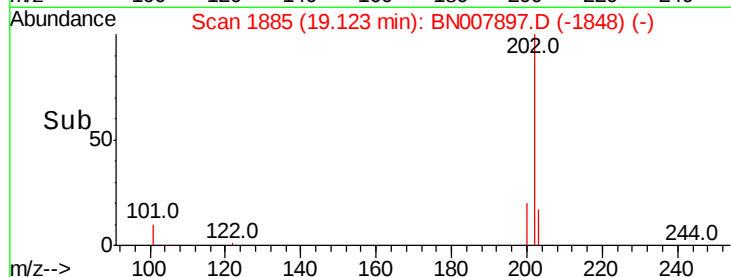
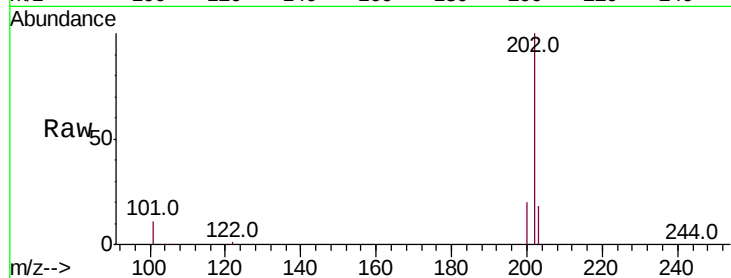
ClientSampleId :

PST-024-SW137-092519

Tot Ion:	202	Resp:	203906
Ion Ratio	Lower	Upper	
202	100		
101	11.0	8.4	12.6
203	17.6	13.8	20.8

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#27

Chrysene-d12

Concen: 0.400 ng

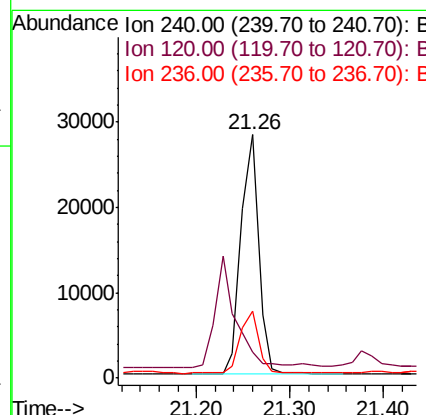
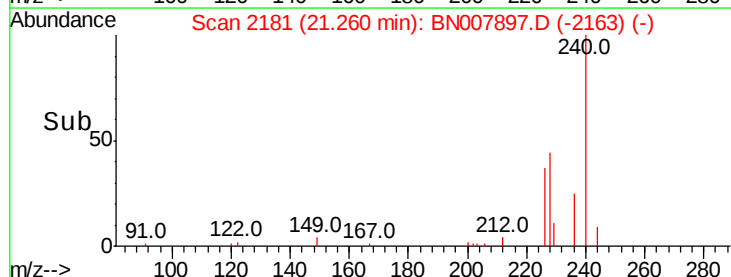
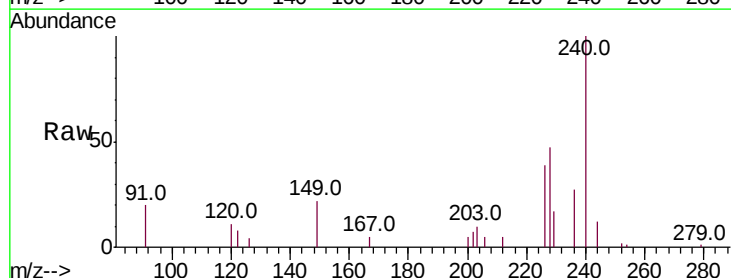
RT: 21.26 min Scan# 2181

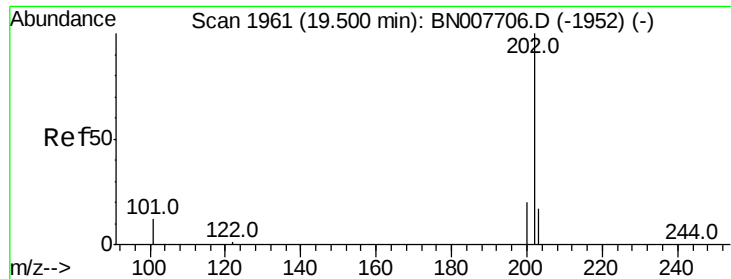
Delta R.T. -0.01 min

Lab File: BN007897.D

Acq: 30 Sep 2019 15:18

Tgt Ion:	240	Resp:	37427
Ion Ratio	Lower	Upper	
240	100		
120	10.7	5.4	8.2#
236	27.3	21.0	31.4





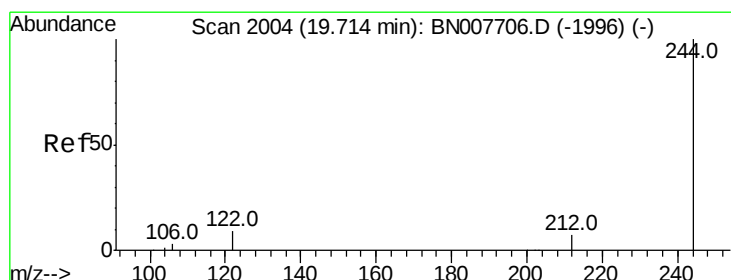
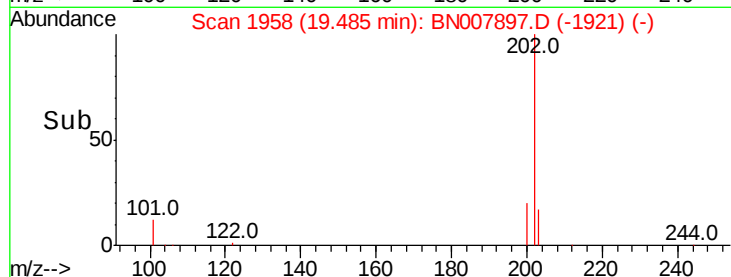
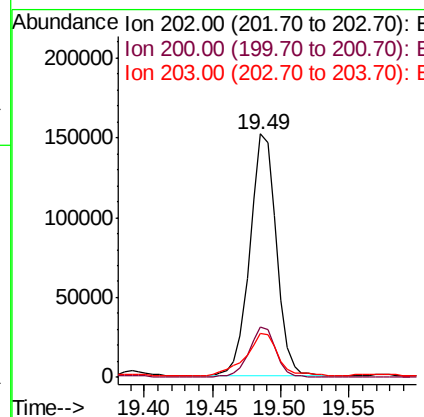
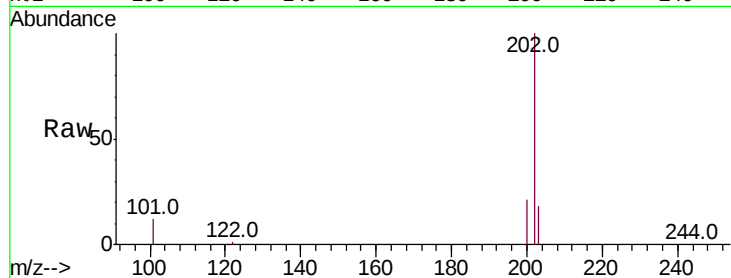
#28
Pvrene
Concen: 1.606 ng
RT: 19.49 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BN007897.D
Acq: 30 Sep 2019 15:18

Instrument :
BNA_N
ClientSampleId :
PST-024-SW137-092519

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.5	16.4	24.6
203	21.3	14.1	21.1

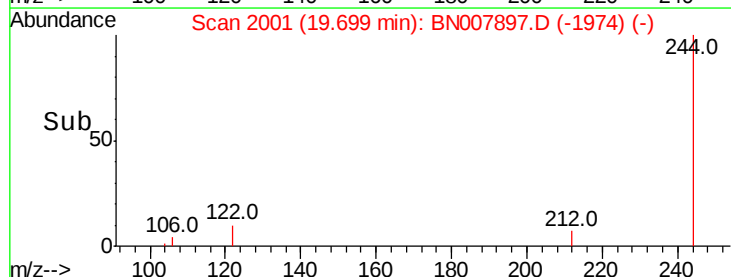
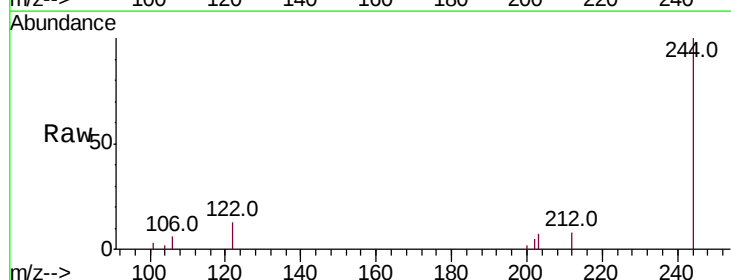
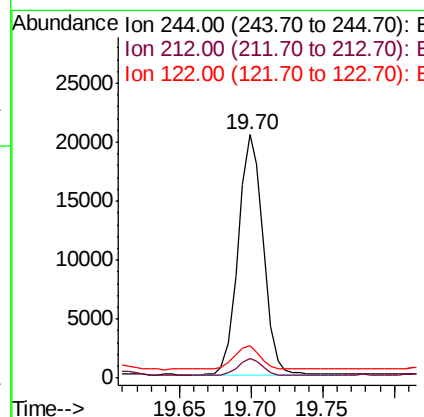
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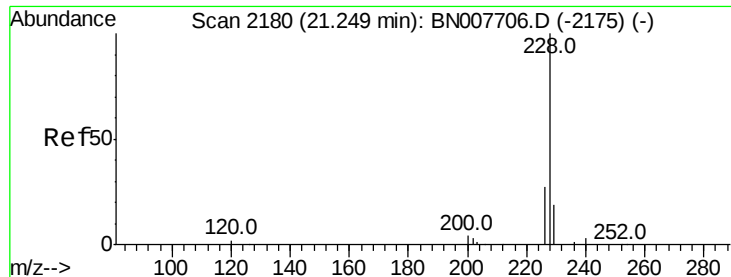
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#29
Terphenyl-d14
Concen: 0.268 ng
RT: 19.70 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BN007897.D
Acq: 30 Sep 2019 15:18

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.9	5.9	8.9
122	13.1	7.4	11.2





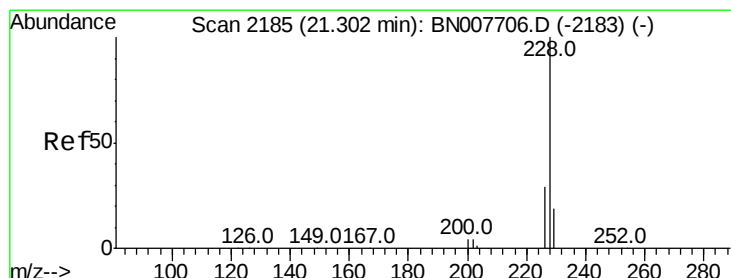
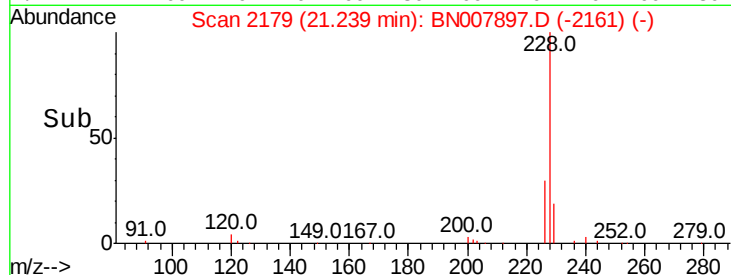
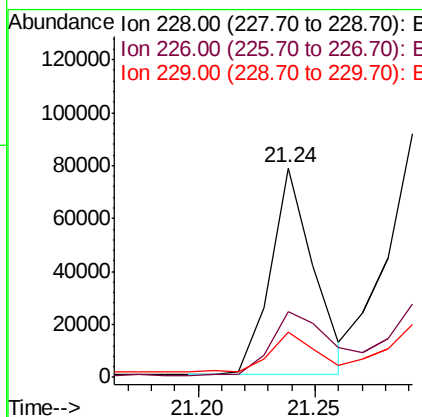
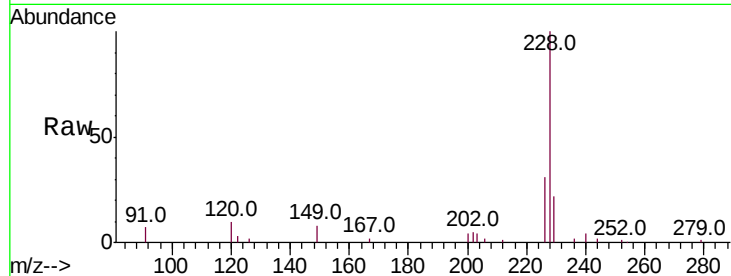
#30
Benzo(a)anthracene
Concen: 0.729 ng
RT: 21.24 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BN007897.D
Acq: 30 Sep 2019 15:18

Instrument :
BNA_N
ClientSampleId :
PST-024-SW137-092519

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	22.1	33.1
229	21.8	15.8	23.6

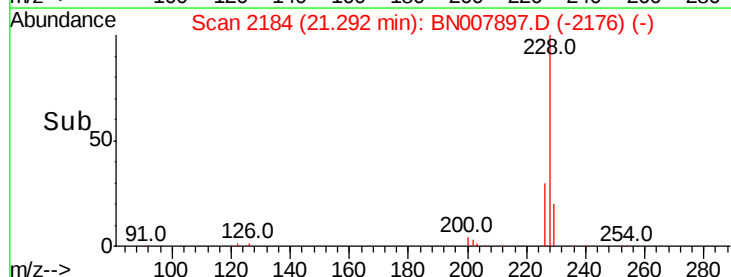
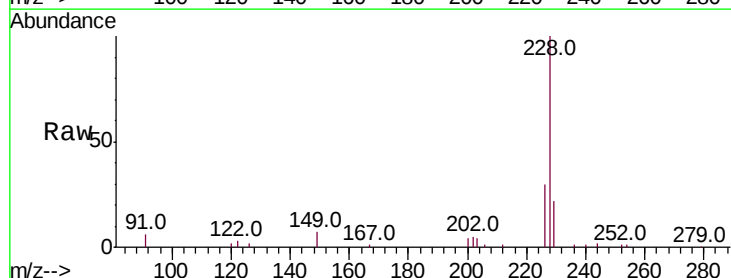
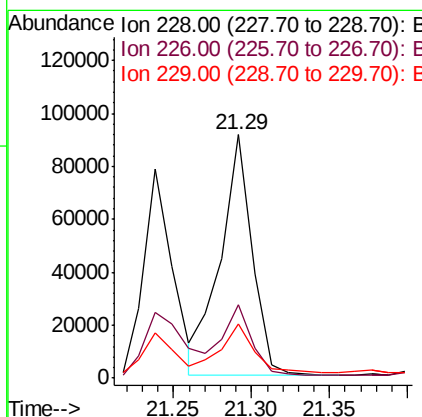
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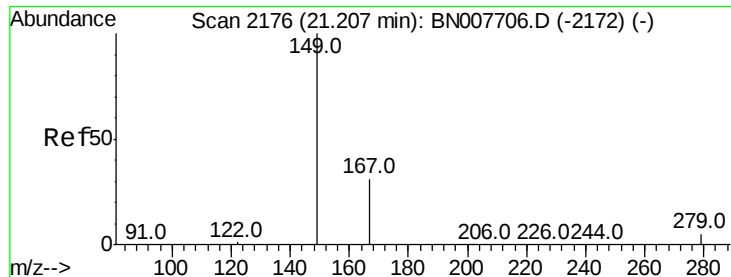
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#31
Chrysene
Concen: 0.952 ng
RT: 21.29 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BN007897.D
Acq: 30 Sep 2019 15:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.9	35.9
229	22.0	15.8	23.6





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.834 ng

RT: 21.19 min Scan# 2174

Delta R.T. -0.02 min

Lab File: BN007897.D

Acq: 30 Sep 2019 15:18

Instrument :

BNA_N

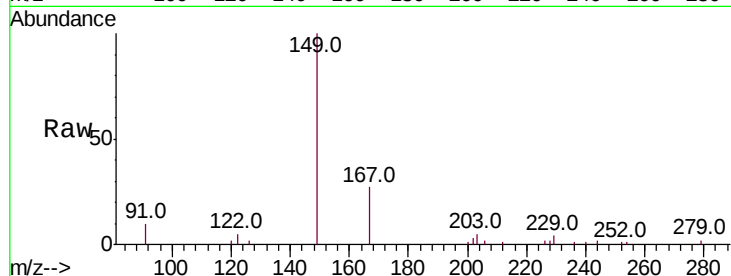
ClientSampleId :

PST-024-SW137-092519

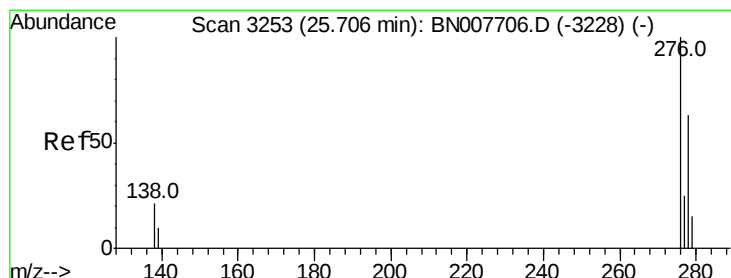
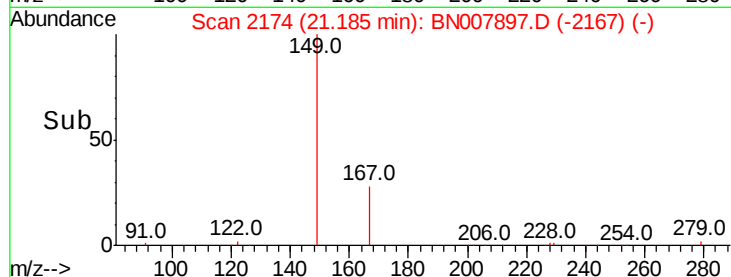
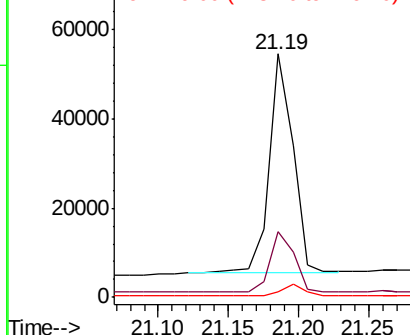
Tot Ion:	149	Resp:	59143
Ion Ratio	Lower	Upper	
149	100		
167	28.2	23.7	35.5
279	5.0	4.2	6.2

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.584 ng

RT: 25.68 min Scan# 3246

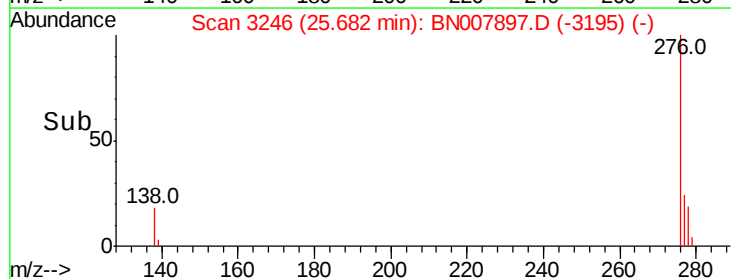
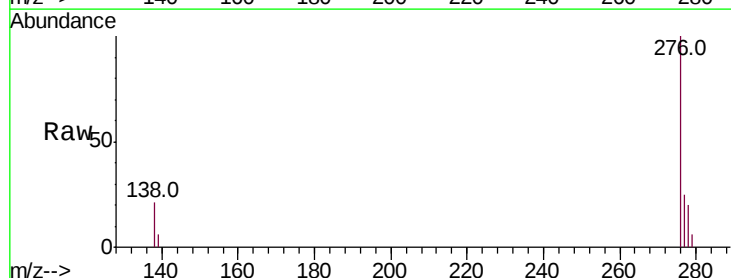
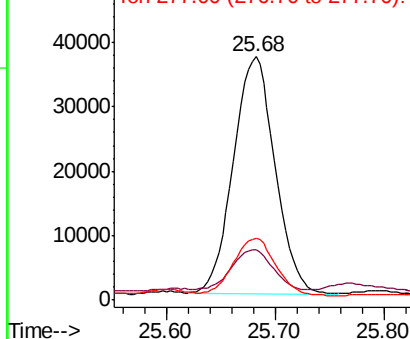
Delta R.T. -0.02 min

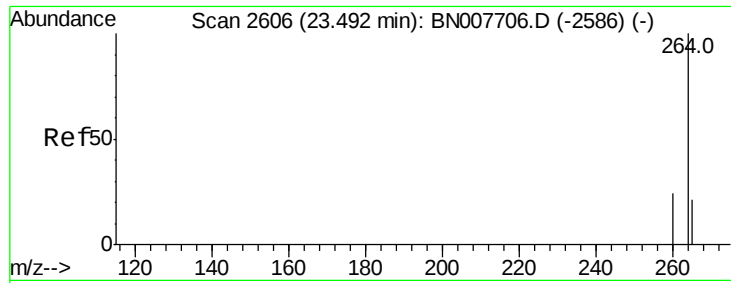
Lab File: BN007897.D

Acq: 30 Sep 2019 15:18

Tgt Ion:	276	Resp:	98147
Ion Ratio	Lower	Upper	
276	100		
138	17.9	17.1	25.7
277	24.3	20.0	30.0

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





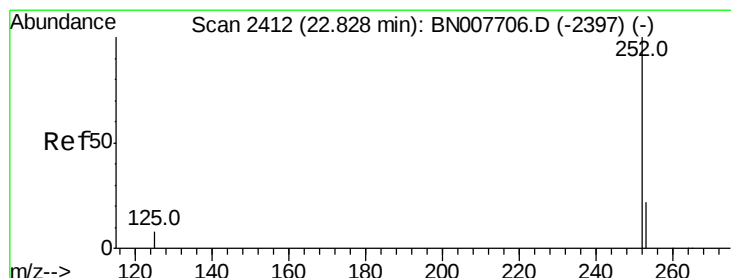
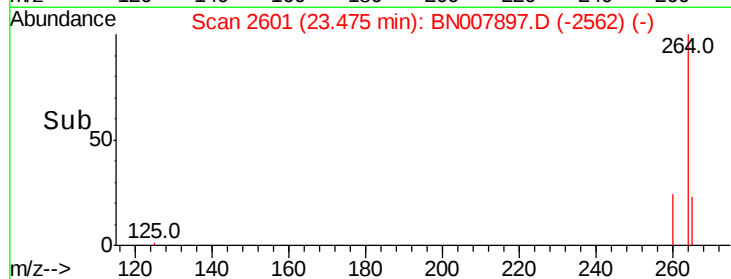
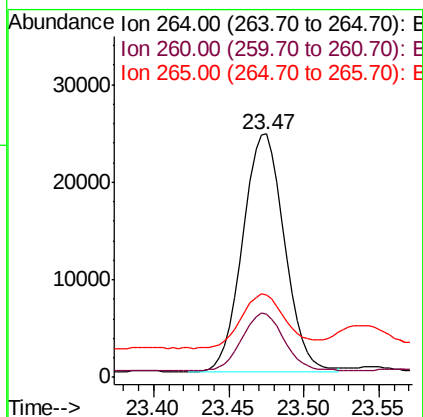
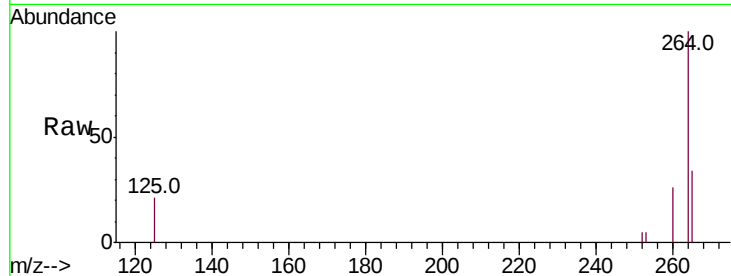
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.47 min Scan# 2601
Delta R.T. -0.02 min
Lab File: BN007897.D
Acq: 30 Sep 2019 15:18

Instrument :
BNA_N
ClientSampleId :
PST-024-SW137-092519

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.1	19.3	28.9
265	33.7	26.9	40.3

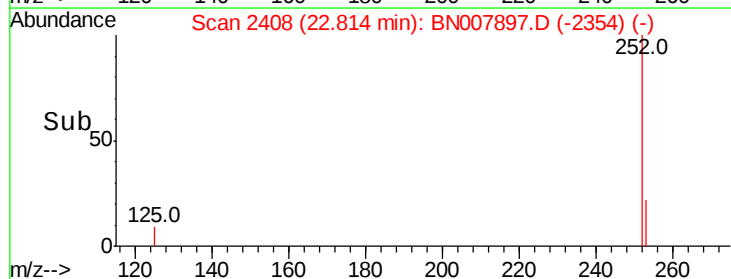
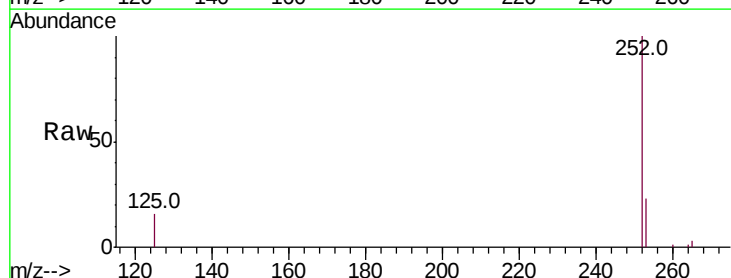
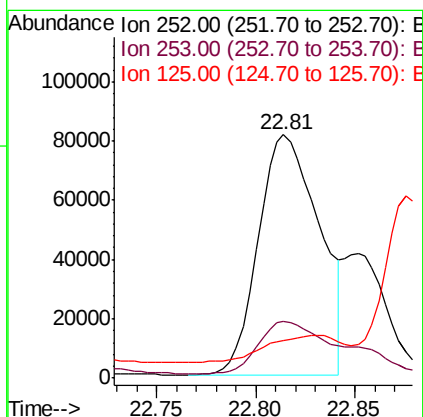
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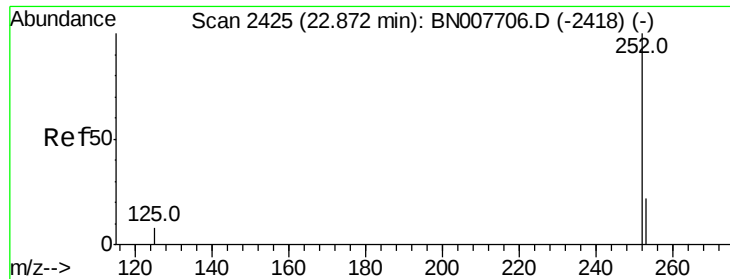
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#35
Benzo(b)fluoranthene
Concen: 1.072 ng
RT: 22.81 min Scan# 2408
Delta R.T. -0.01 min
Lab File: BN007897.D
Acq: 30 Sep 2019 15:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.3	27.5
125	15.6	8.2	12.4





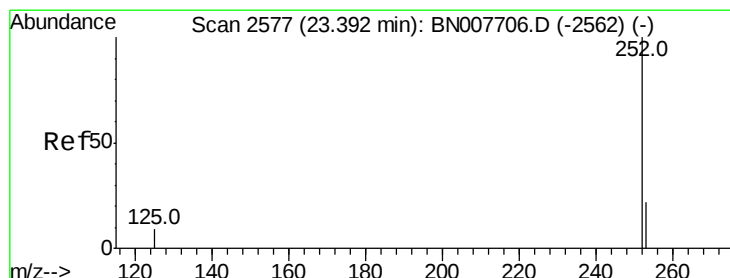
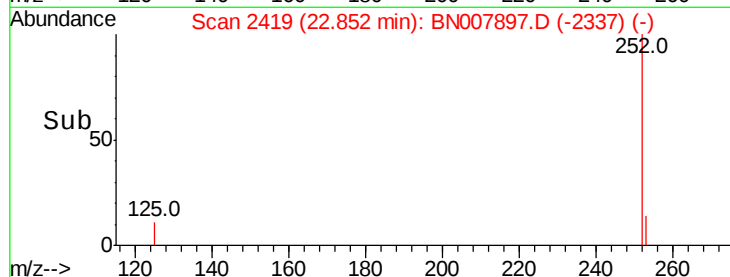
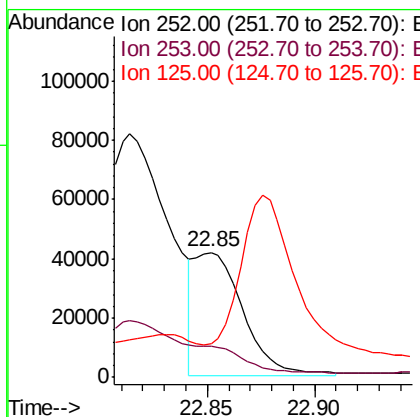
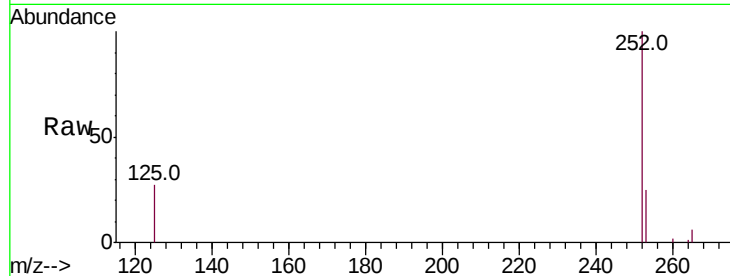
#36
Benzo(k)fluoranthene
Concen: 0.402 ng m
RT: 22.85 min Scan# 2419
Delta R.T. -0.02 min
Lab File: BN007897.D
Acq: 30 Sep 2019 15:18

Instrument :
BNA_N
ClientSampleId :
PST-024-SW137-092519

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.3	18.5	27.7
125	26.6	8.4	12.6

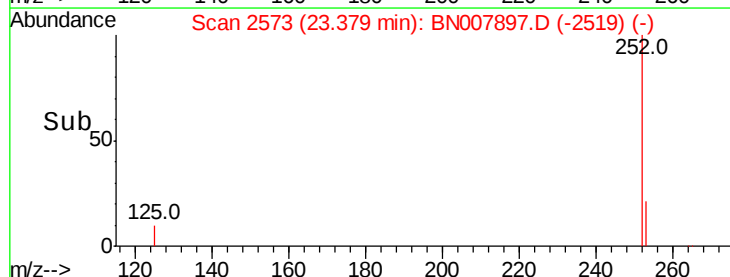
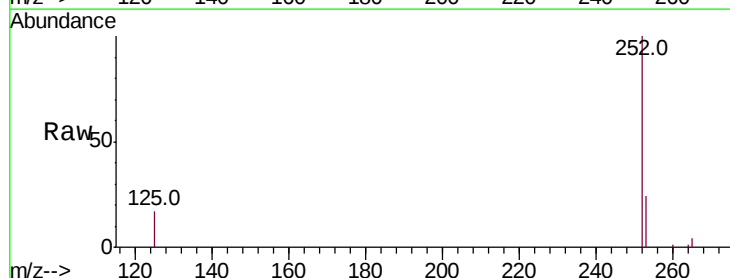
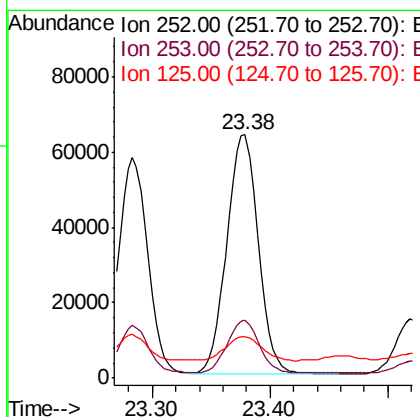
Manual Integrations
APPROVED

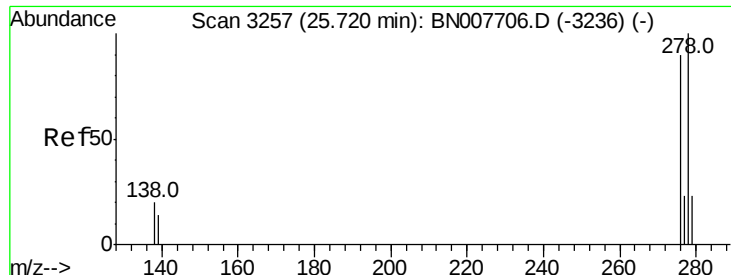
mohammad
10/2/2019 8:21:23 AM



#37
Benzo(a)pyrene
Concen: 0.773 ng
RT: 23.38 min Scan# 2573
Delta R.T. -0.01 min
Lab File: BN007897.D
Acq: 30 Sep 2019 15:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.6	27.8
125	17.2	9.4	14.0





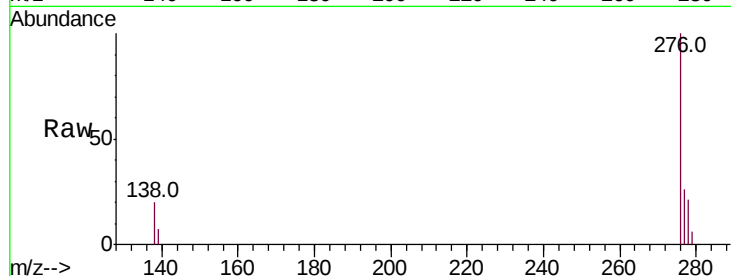
#38
Dibenzo(a,h)anthracene
Concen: 0.147 ng
RT: 25.69 min Scan# 3247
Delta R.T. -0.03 min
Lab File: BN007897.D
Acq: 30 Sep 2019 15:18

Instrument :
BNA_N
ClientSampleId :
PST-024-SW137-092519

Tot Ion	Ratio	Lower	Upper
278	100		
139	31.0	11.8	17.6#
279	30.2	19.4	29.2#

Manual Integrations
APPROVED

mohammad
10/2/2019 8:21:23 AM

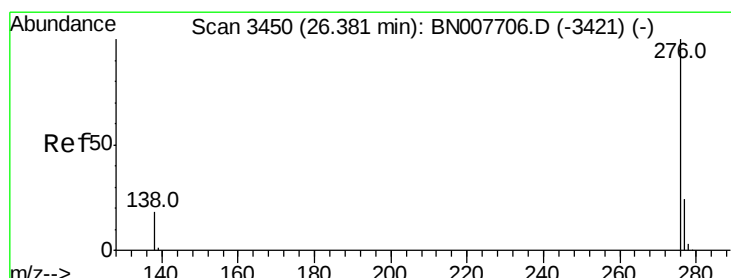
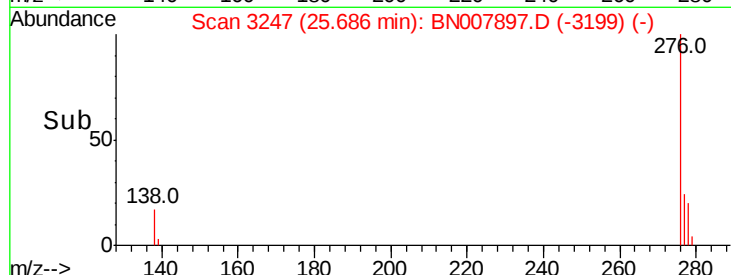
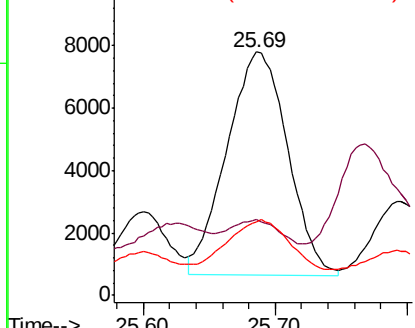


Abundance

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(g,h,i)perylene
Concen: 0.704 ng
RT: 26.35 min Scan# 3442
Delta R.T. -0.03 min
Lab File: BN007897.D
Acq: 30 Sep 2019 15:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.8	29.8
138	20.8	15.1	22.7

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

