

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100219\
 Data File : BN007978.D
 Acq On : 02 Oct 2019 22:41
 Operator : JU
 Sample : K5077-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B277-092519

Manual Integrations
 APPROVED

mohammad
 10/4/2019 8:16:53 AM

Quant Time: Oct 03 07:20:58 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	5261	0.40	ng	-0.02
7) Naphthalene-d8	10.46	136	21906	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	13872	0.40	ng	-0.01
19) Phenanthrene-d10	17.06	188	29718	0.40	ng	-0.01
27) Chrysene-d12	21.25	240	32683	0.40	ng	-0.02
34) Perylene-d12	23.47	264	35481	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.31	112	5445	0.30	ng	0.00
5) Phenol-d6	6.87	99	7797	0.34	ng	0.00
8) Nitrobenzene-d5	8.82	82	5678	0.30	ng	-0.01
11) 2-Methylnaphthalene-d10	12.05	152	12046	0.33	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	1531	0.20	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	16339	0.29	ng	-0.01
25) Fluoranthene-d10	19.09	212	32748	0.33	ng	-0.01
29) Terphenyl-d14	19.70	244	26707	0.33	ng	-0.01

Target Compounds

						Qvalue
16) Acenaphthylene	14.02	152	2068	0.028	ng	99
23) Phenanthrene	17.10	178	7450	0.080	ng	99
24) Anthracene	17.19	178	1797	0.021	ng	# 93
26) Fluoranthene	19.12	202	16232	0.141	ng	100
28) Pyrene	19.49	202	14537	0.130	ng	# 95
30) Benzo(a)anthracene	21.24	228	9702	0.081	ng	# 89
31) Chrysene	21.29	228	8976	0.077	ng	# 91
32) Bis(2-ethylhexyl)phthalate	21.19	149	3010	0.049	ng	95
33) Indeno(1,2,3-cd)pyrene	25.67	276	4767	0.032	ng	96
35) Benzo(b)fluoranthene	22.81	252	10836	0.088	ng	# 59
36) Benzo(k)fluoranthene	22.85	252	3664m	0.030	ng	
37) Benzo(a)pyrene	23.37	252	7228	0.062	ng	# 48
39) Benzo(g,h,i)perylene	26.35	276	4423	0.038	ng	# 64

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

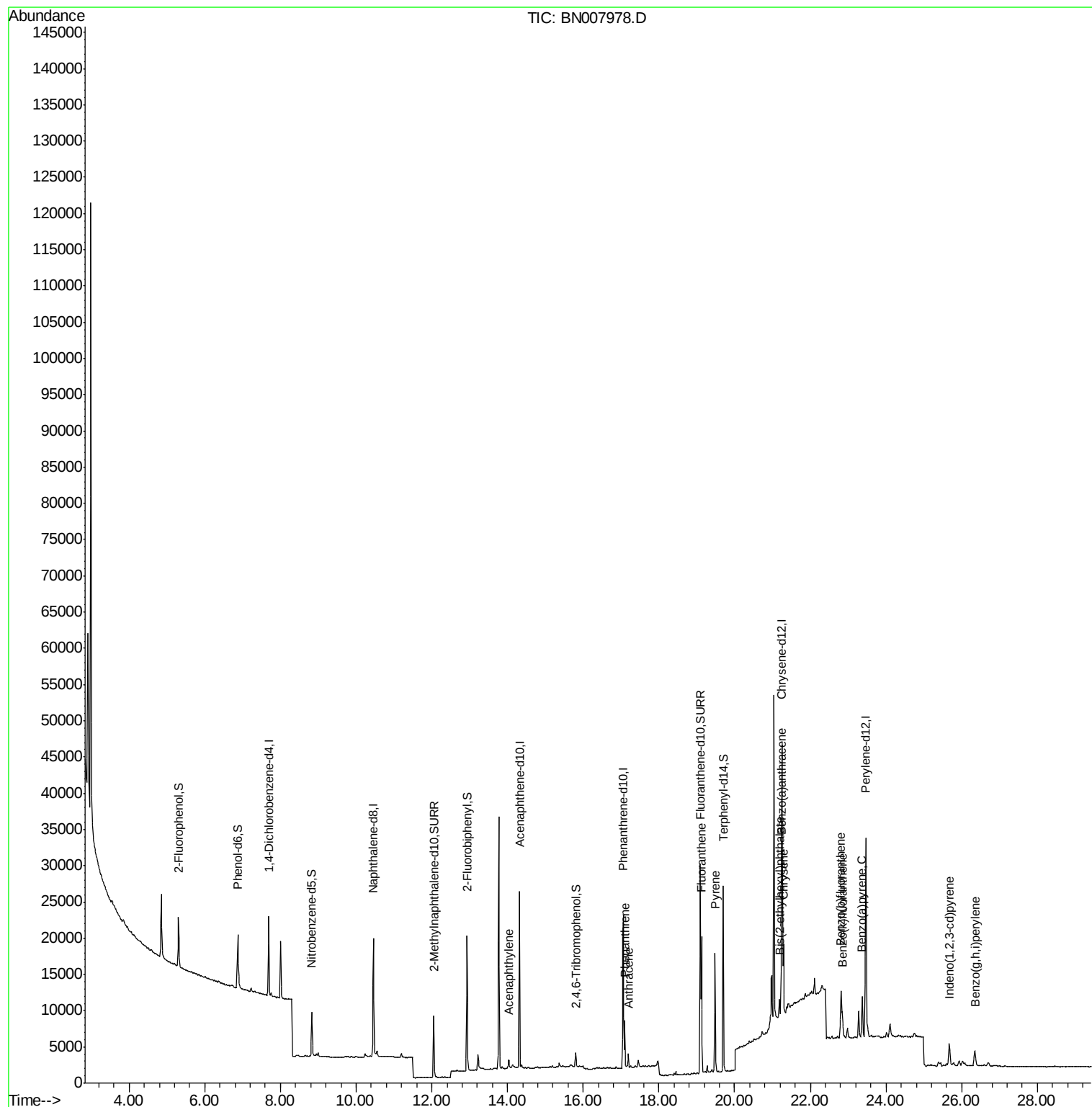
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100219\
Data File : BN007978.D
Acq On : 02 Oct 2019 22:41
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

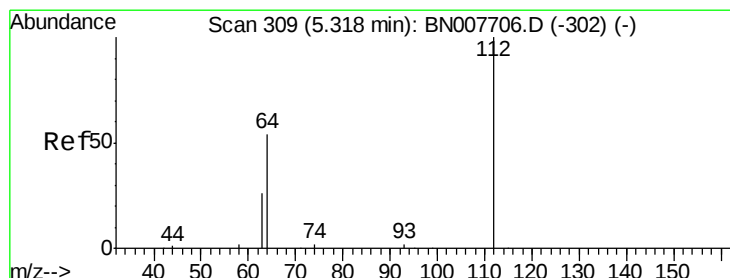
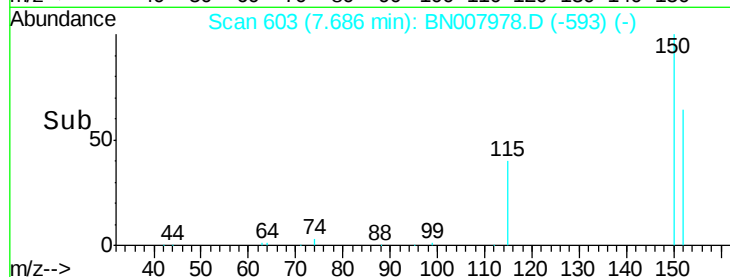
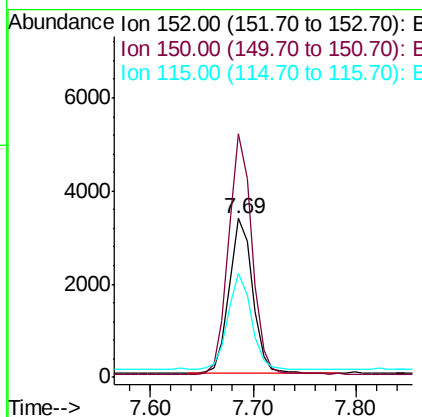
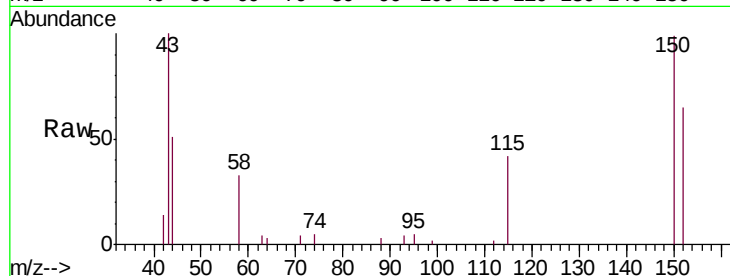
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 603
Delta R.T. -0.02 min
Lab File: BN007978.D
Acq: 02 Oct 2019 22:41

Instrument :
BNA_N
ClientSampleId :
PST-024-B277-092519

Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.1	125.6	188.4
115	65.6	53.3	79.9

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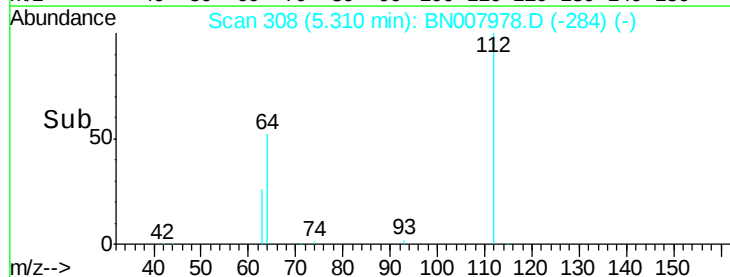
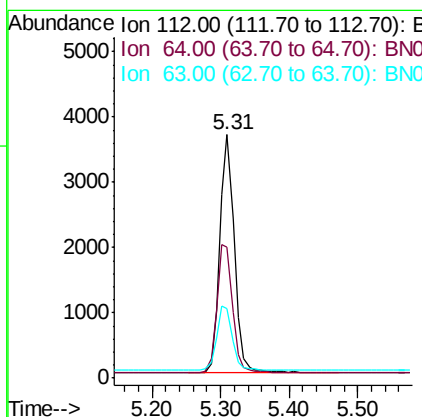
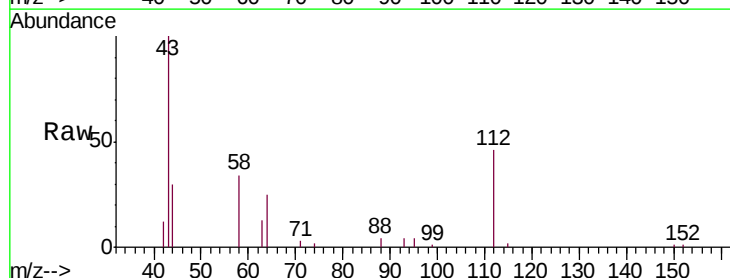
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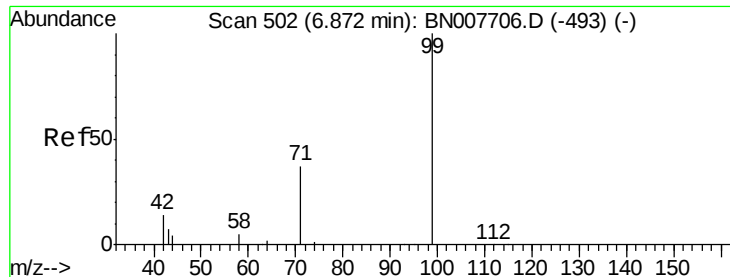


#4

2-Fluorophenol
Concen: 0.301 ng
RT: 5.31 min Scan# 308
Delta R.T. -0.01 min
Lab File: BN007978.D
Acq: 02 Oct 2019 22:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	46.6	70.0
63	29.3	23.1	34.7





#5

Phenol-d6

Concen: 0.345 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN007978.D

Acq: 02 Oct 2019 22:41

Instrument :

BNA_N

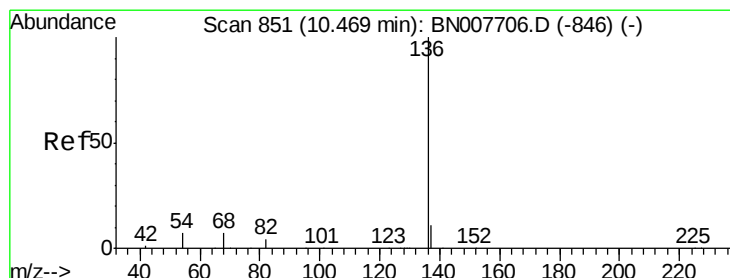
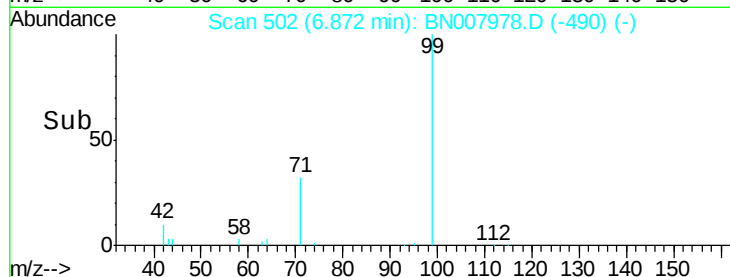
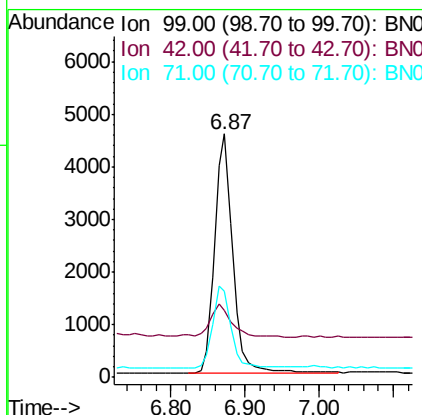
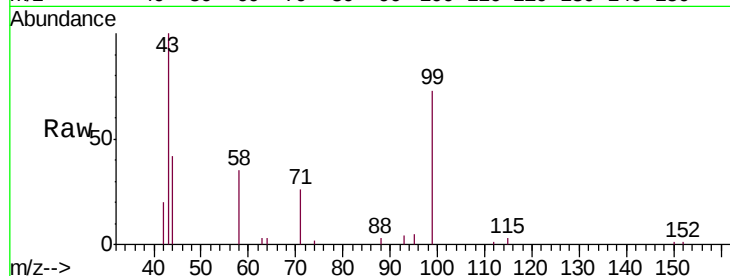
ClientSampleId :

PST-024-B277-092519

Tgt Ion:	99	Resp:	7797
Ion	Ratio	Lower	Upper
99	100		
42	14.5	12.8	19.2
71	34.1	27.6	41.4

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#7

Naphthalene-d8

Concen: 0.400 ng

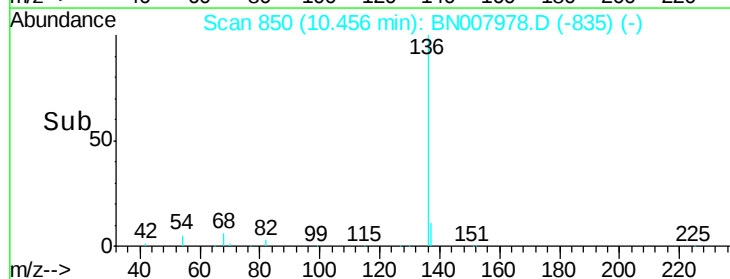
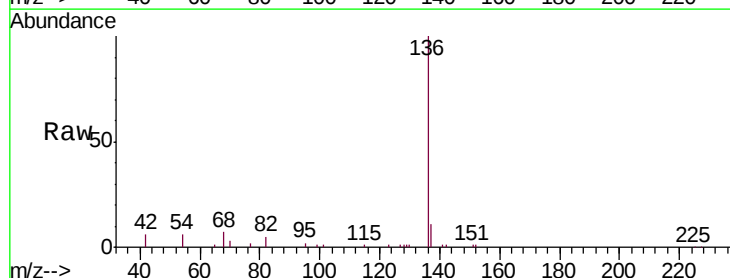
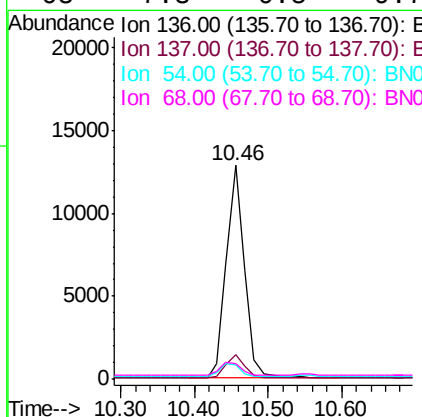
RT: 10.46 min Scan# 850

Delta R.T. -0.01 min

Lab File: BN007978.D

Acq: 02 Oct 2019 22:41

Tgt Ion:	136	Resp:	21906
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	6.4	5.8	8.8
68	7.3	6.5	9.7





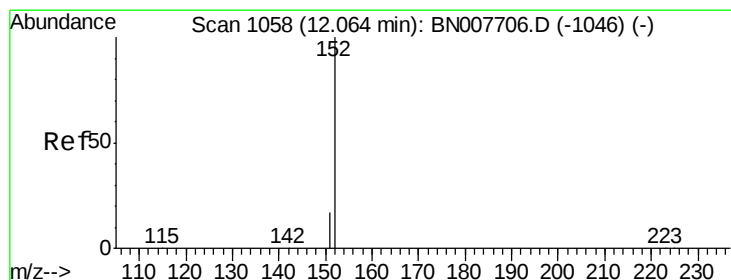
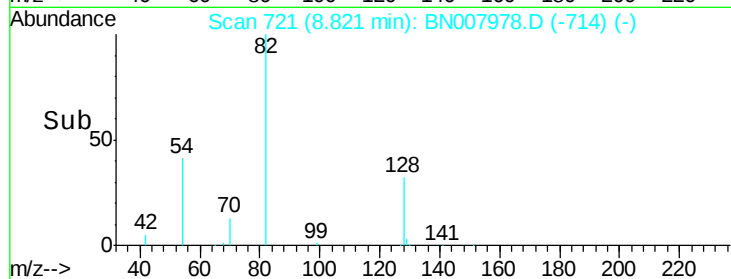
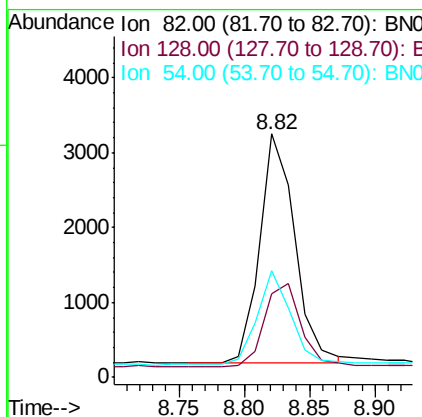
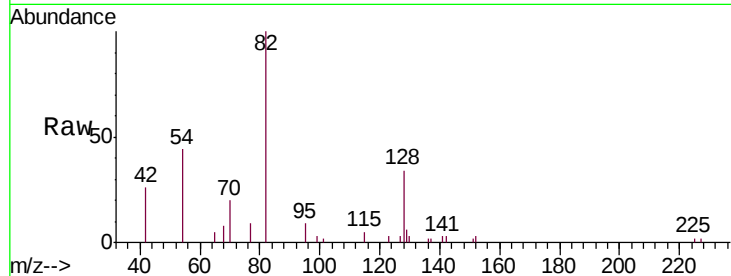
#8
 Nitrobenzene-d5
 Concen: 0.296 ng
 RT: 8.82 min Scan# 721
 Delta R.T. -0.01 min
 Lab File: BN007978.D
 Acq: 02 Oct 2019 22:41

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B277-092519

Tgt Ion	Ratio	Lower	Upper
82	100		
128	34.2	24.5	36.7
54	43.7	35.2	52.8

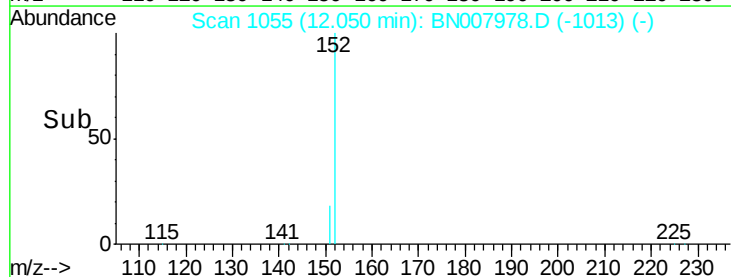
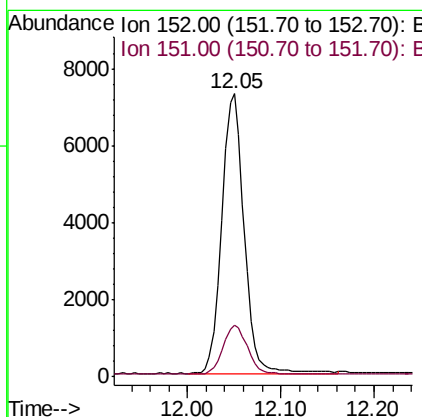
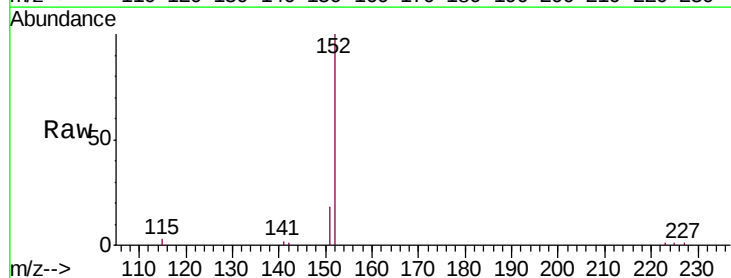
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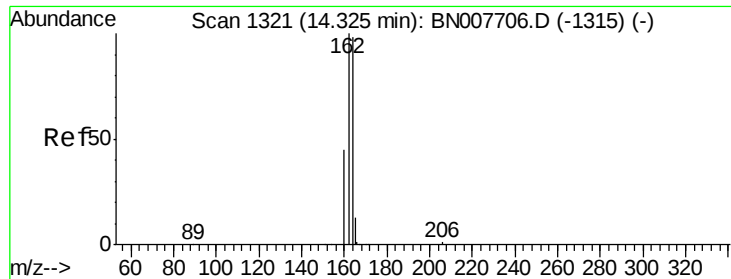
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#11
 2-Methylnaphthalene-d10
 Concen: 0.326 ng
 RT: 12.05 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: BN007978.D
 Acq: 02 Oct 2019 22:41

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.4	23.2





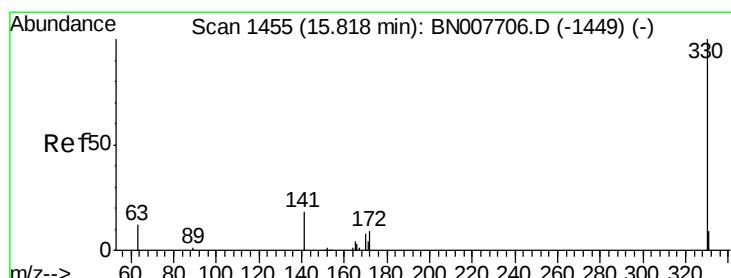
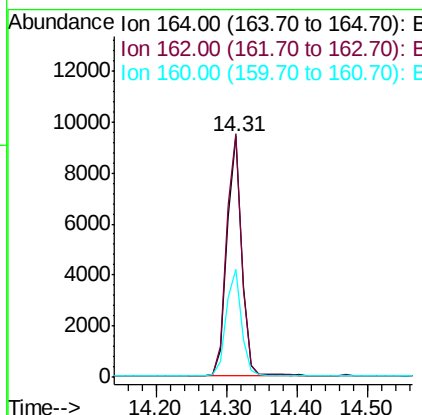
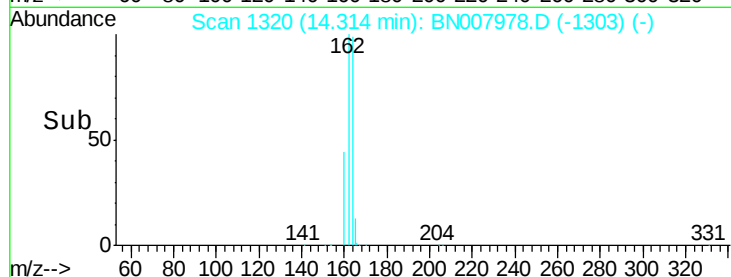
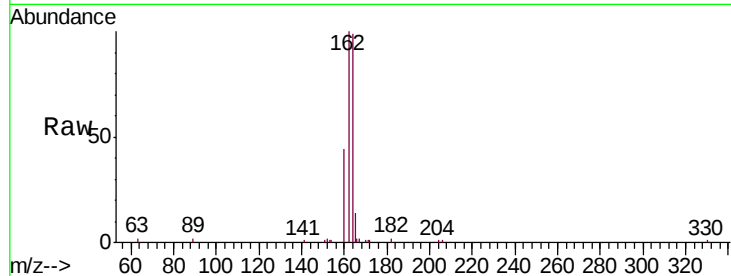
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BN007978.D
Acq: 02 Oct 2019 22:41

Instrument :
BNA_N
ClientSampleId :
PST-024-B277-092519

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.7	122.5
160	44.8	37.0	55.4

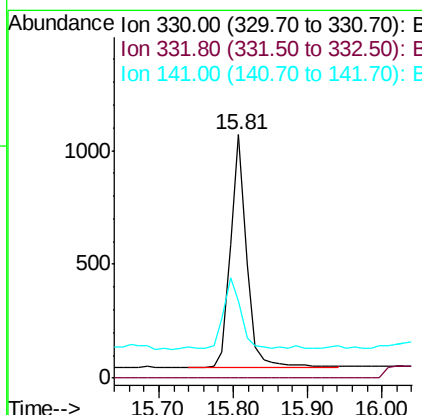
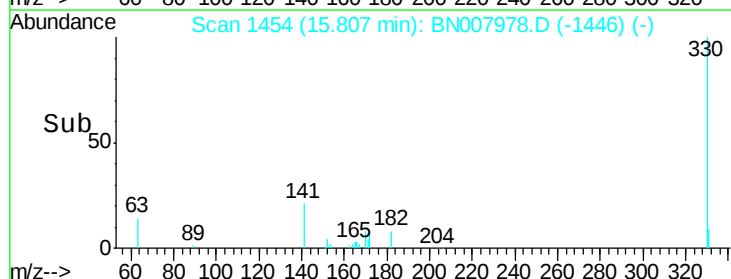
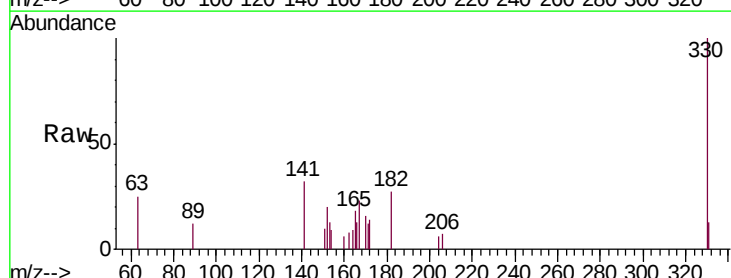
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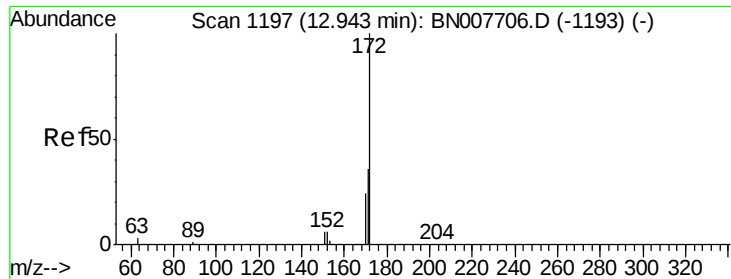
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#14
2,4,6-Tribromophenol
Concen: 0.203 ng
RT: 15.81 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BN007978.D
Acq: 02 Oct 2019 22:41

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	32.0	28.7	43.1





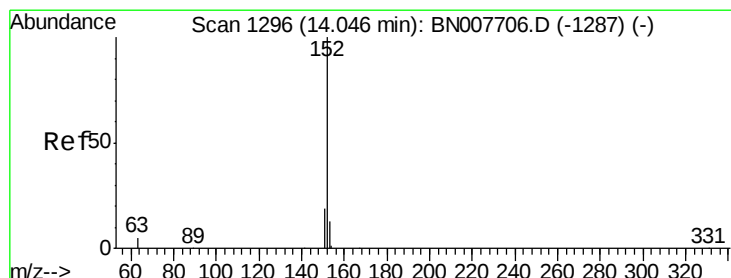
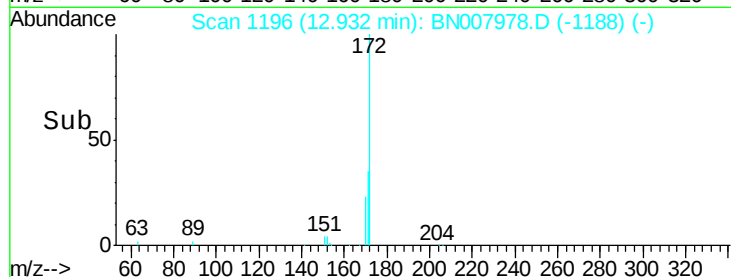
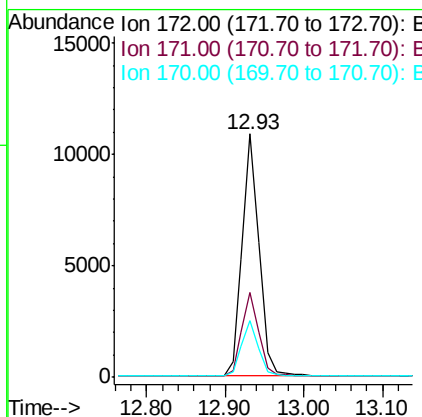
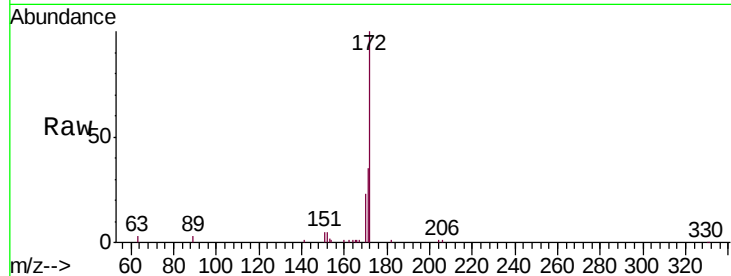
#15
2-Fluorobiphenyl
Concen: 0.286 ng
RT: 12.93 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BN007978.D
Acq: 02 Oct 2019 22:41

Instrument :
BNA_N
ClientSampleId :
PST-024-B277-092519

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.8	43.2
170	23.2	19.5	29.3

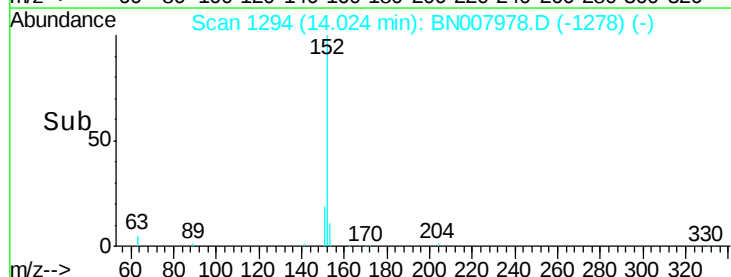
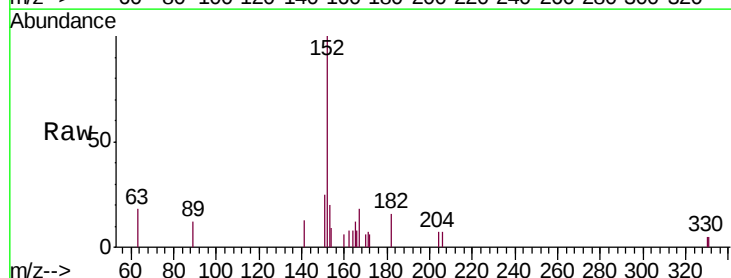
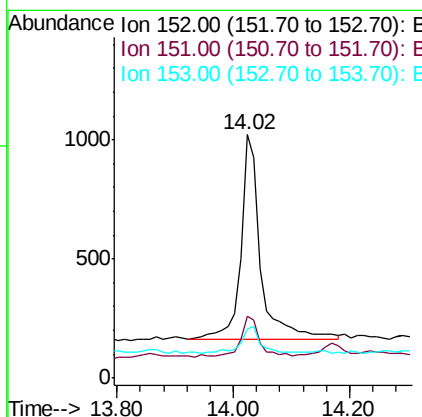
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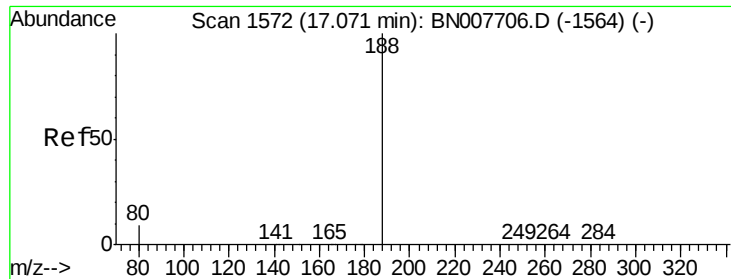
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#16
Acenaphthylene
Concen: 0.028 ng
RT: 14.02 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BN007978.D
Acq: 02 Oct 2019 22:41

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.5	23.3
153	12.4	10.4	15.6





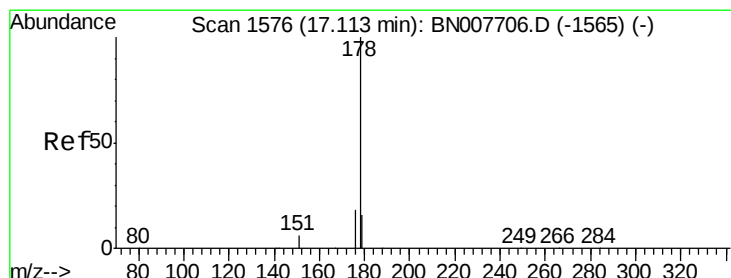
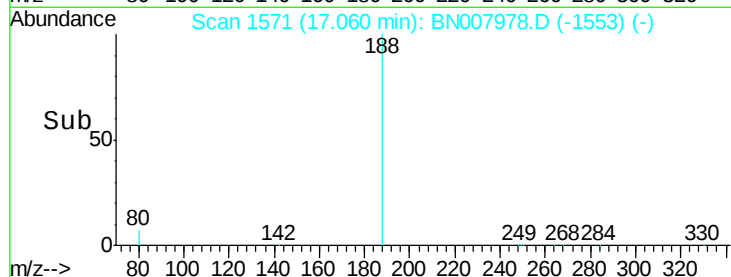
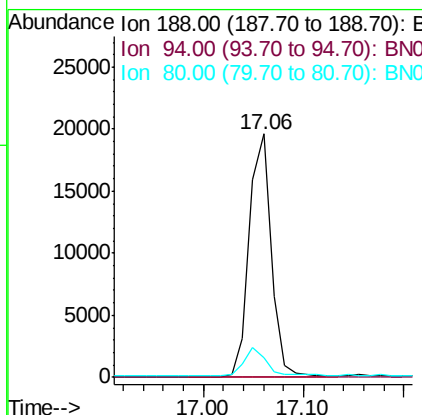
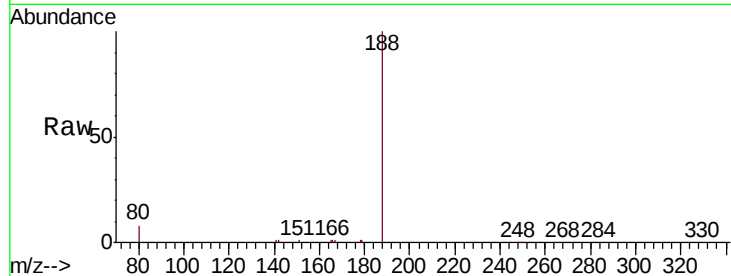
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Phenanthrene-d10
Concen: 0.400 ng
RT: 17.06 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BN007978.D
Acq: 02 Oct 2019 22:41

Instrument :
BNA_N
ClientSampleId :
PST-024-B277-092519

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	29718		
94	0.0	0.0	0.0	0.0
80	8.2	7.4	11.2	

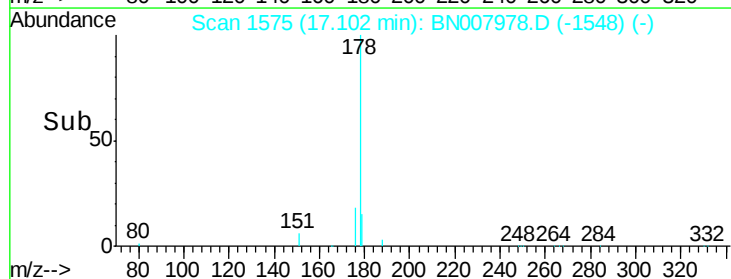
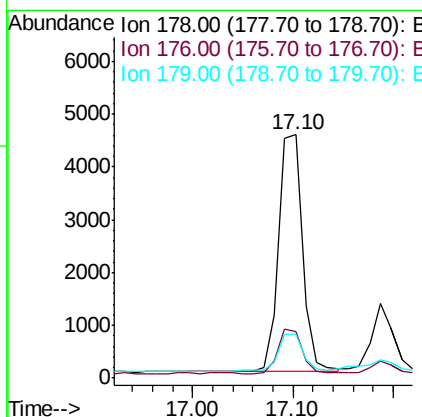
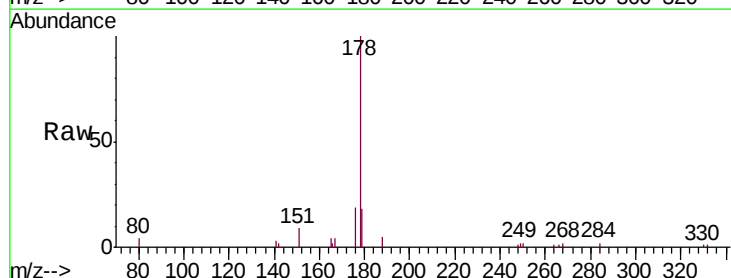
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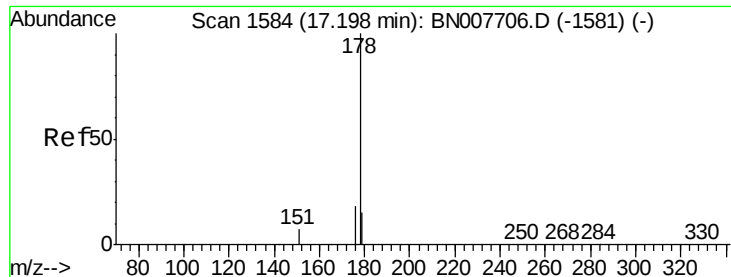
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#23
Phenanthrene
Concen: 0.080 ng
RT: 17.10 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BN007978.D
Acq: 02 Oct 2019 22:41

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	7450		
176	18.7	14.9	22.3	
179	16.2	12.5	18.7	





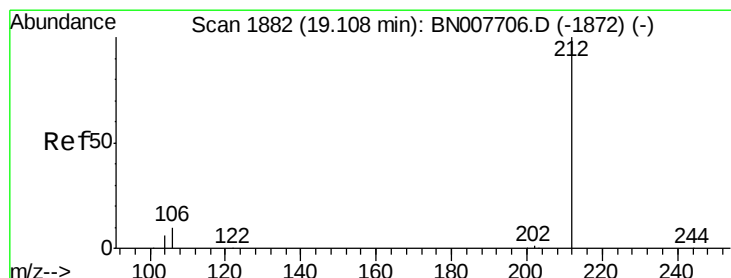
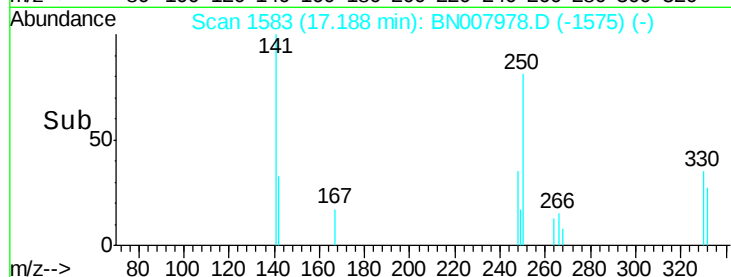
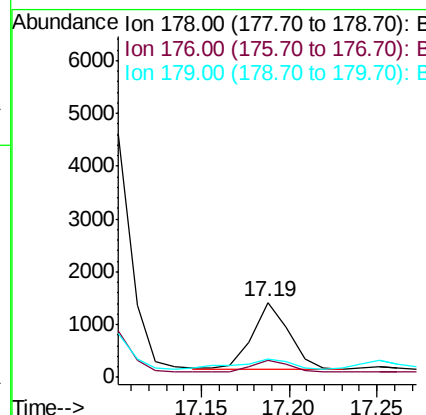
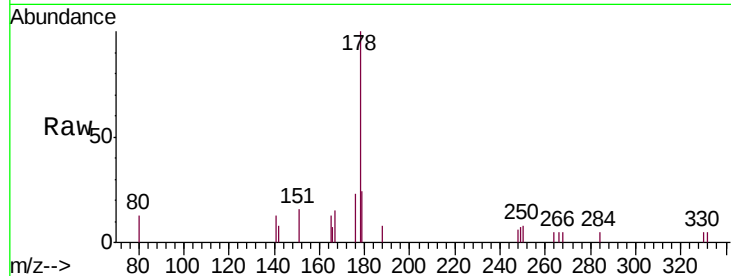
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 Anthracene
 Concen: 0.021 ng
 RT: 17.19 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BN007978.D
 Acq: 02 Oct 2019 22:41

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B277-092519

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.6	21.8
179	21.3	12.2	18.4

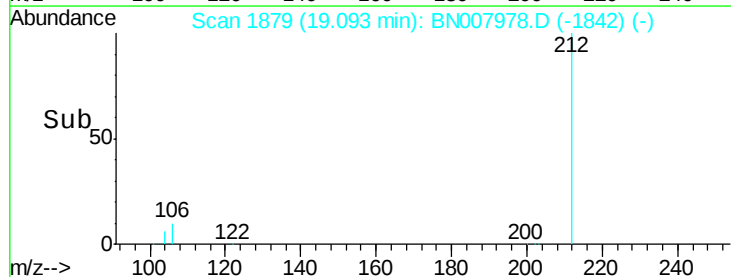
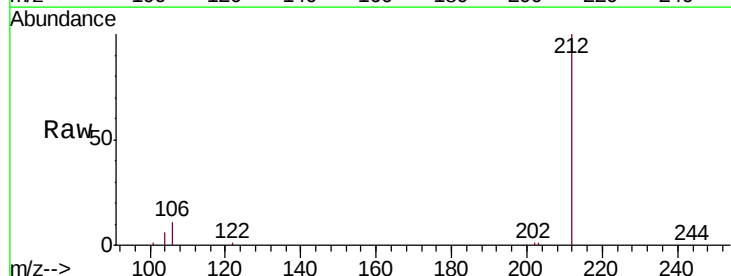
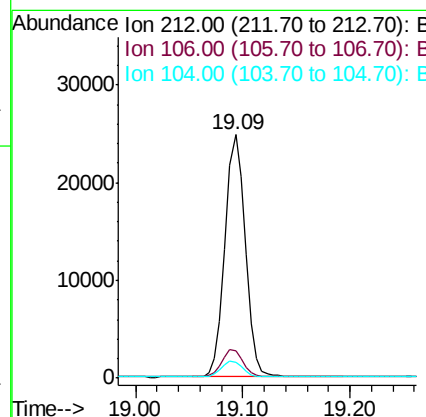
Manual Integrations
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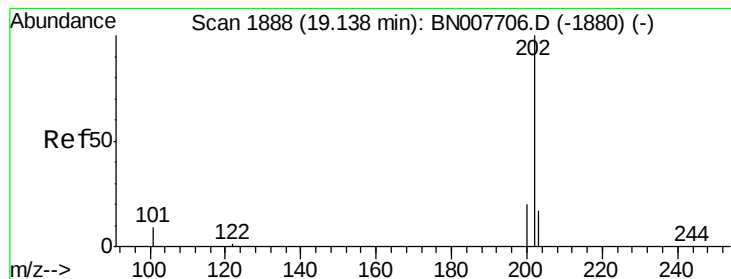
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#25
 Fluoranthene-d10
 Concen: 0.327 ng
 RT: 19.09 min Scan# 1879
 Delta R.T. -0.01 min
 Lab File: BN007978.D
 Acq: 02 Oct 2019 22:41

Tgt Ion	Ratio	Lower	Upper
212	100		
106	11.3	9.4	14.0
104	6.7	5.3	7.9





#26

Fluoranthene

Concen: 0.141 ng

RT: 19.12 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BN007978.D

Acq: 02 Oct 2019 22:41

Instrument :

BNA_N

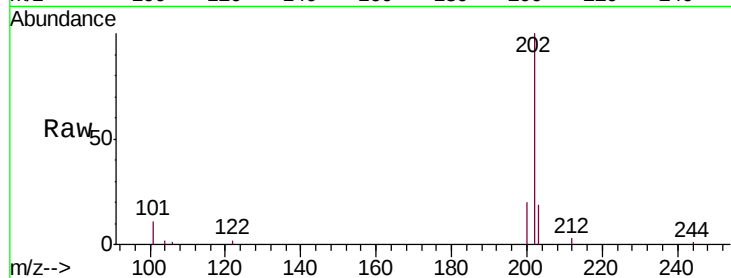
ClientSampleId :

PST-024-B277-092519

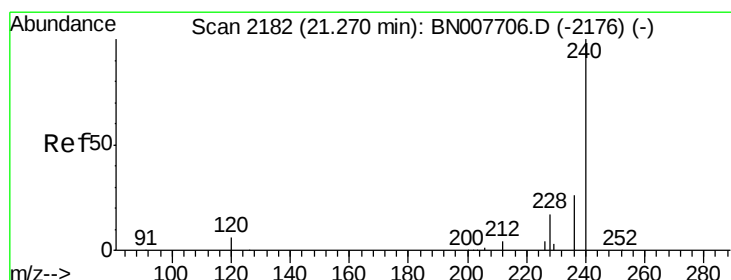
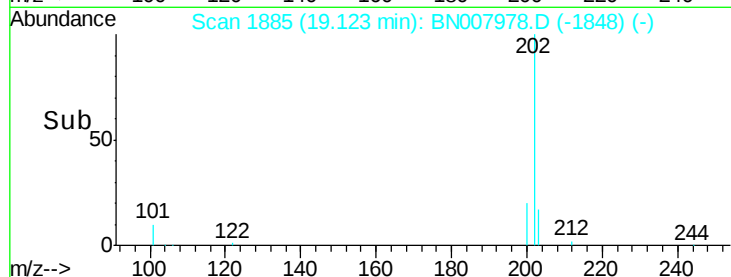
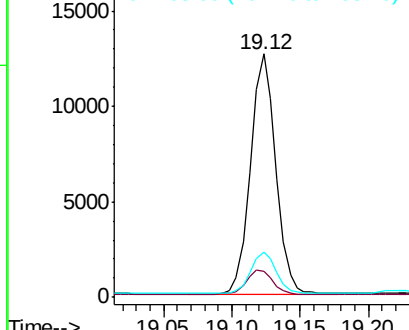
Tgt	Ion	202	Resp:	16232
Ion	Ratio	Lower	Upper	
202	100			
101	10.3	8.4	12.6	
203	17.5	13.8	20.8	

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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

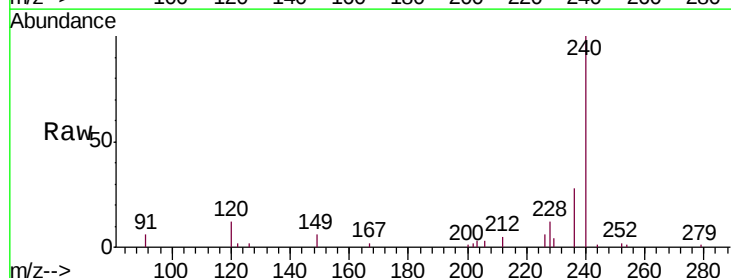
RT: 21.25 min Scan# 2180

Delta R.T. -0.02 min

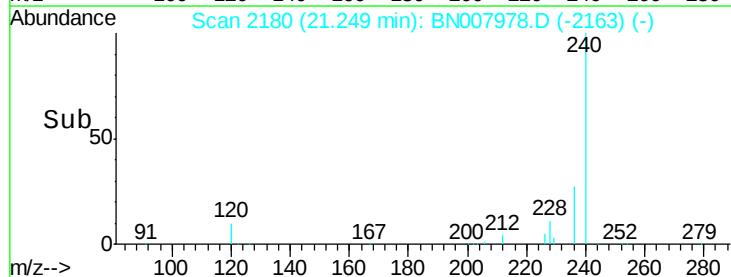
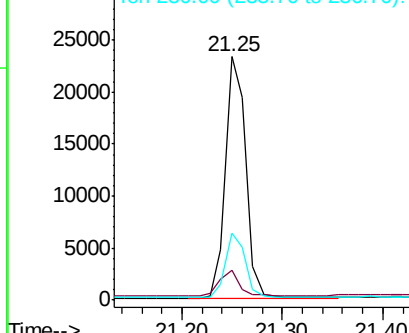
Lab File: BN007978.D

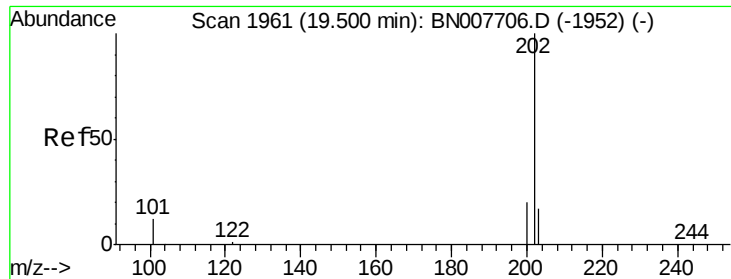
Acq: 02 Oct 2019 22:41

Tgt	Ion	240	Resp:	32683
Ion	Ratio	Lower	Upper	
240	100			
120	12.1	5.4	8.2#	
236	27.5	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





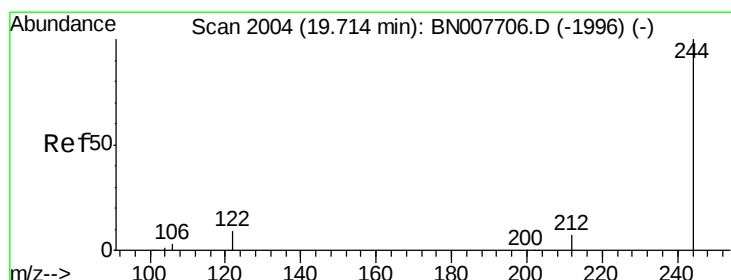
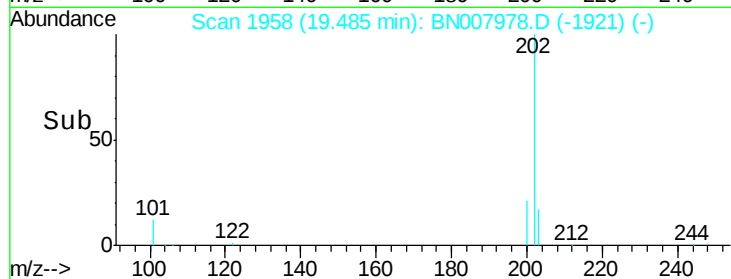
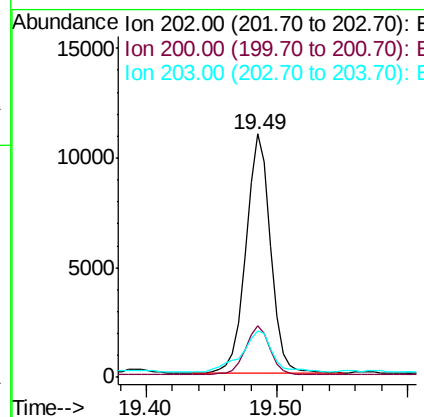
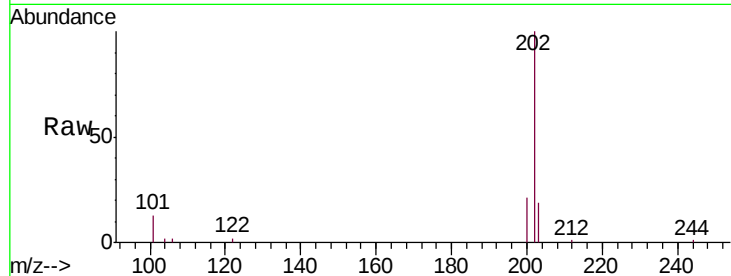
#28
 Pyrene
 Concen: 0.130 ng
 RT: 19.49 min Scan# 1958
 Delta R.T. -0.01 min
 Lab File: BN007978.D
 Acq: 02 Oct 2019 22:41

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B277-092519

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.4	24.6
203	21.7	14.1	21.1

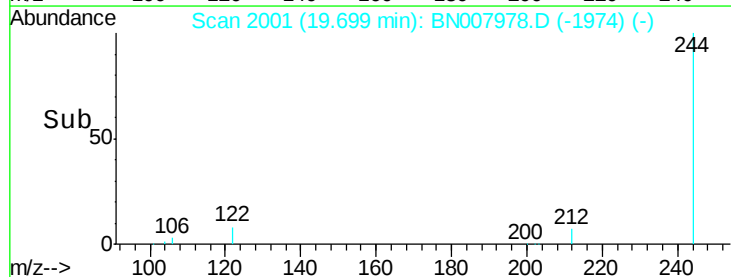
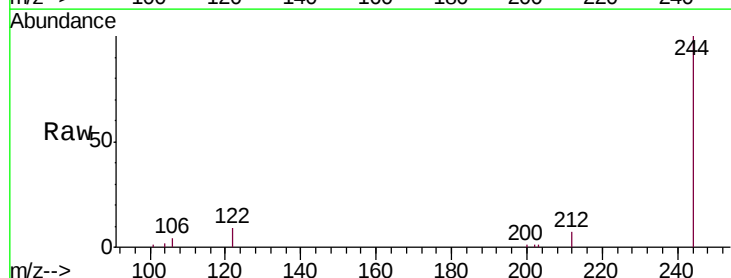
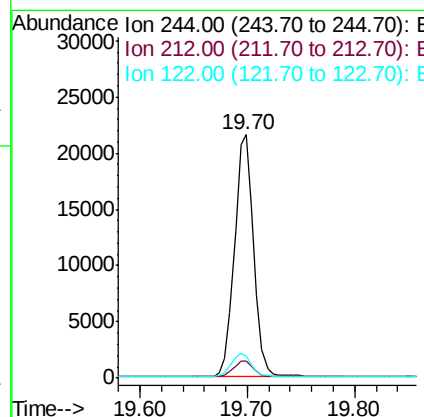
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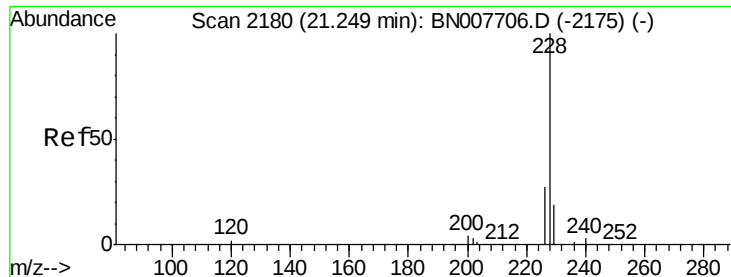
mohammad
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#29
 Terphenyl-d14
 Concen: 0.333 ng
 RT: 19.70 min Scan# 2001
 Delta R.T. -0.01 min
 Lab File: BN007978.D
 Acq: 02 Oct 2019 22:41

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.9	8.9
122	9.0	7.4	11.2





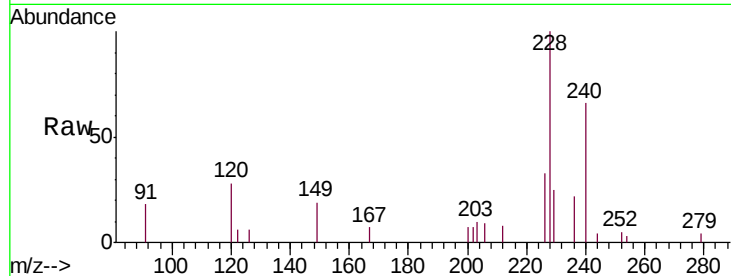
#30
Benzo(a)anthracene
Concen: 0.081 ng
RT: 21.24 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BN007978.D
Acq: 02 Oct 2019 22:41

Instrument :
BNA_N
ClientSampleId :
PST-024-B277-092519

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.9	22.1	33.1
229	25.2	15.8	23.6

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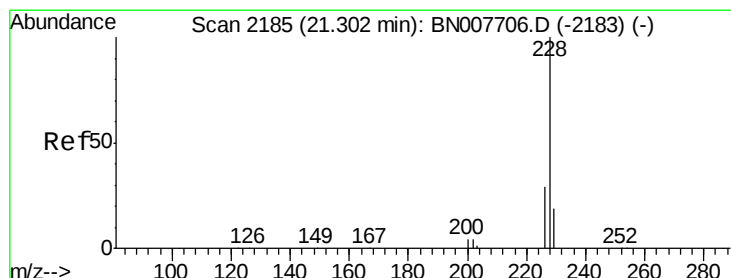
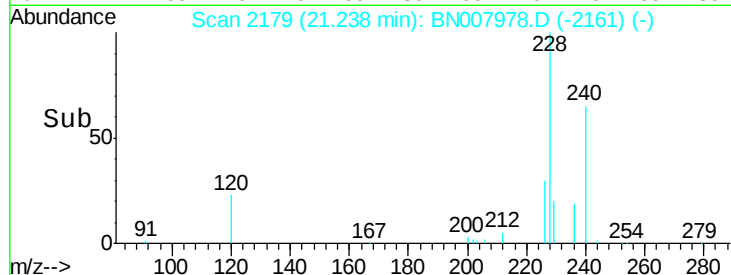
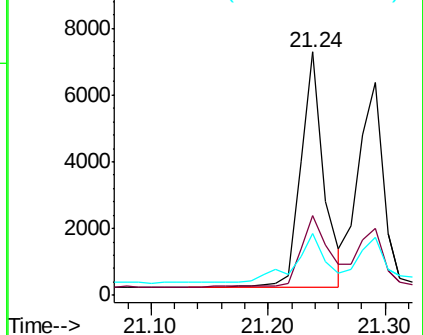


Abundance

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: 0.077 ng
RT: 21.29 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BN007978.D
Acq: 02 Oct 2019 22:41

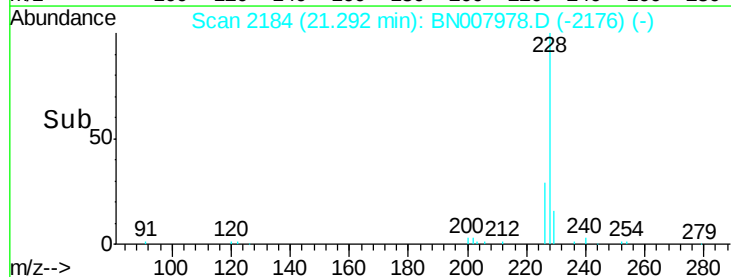
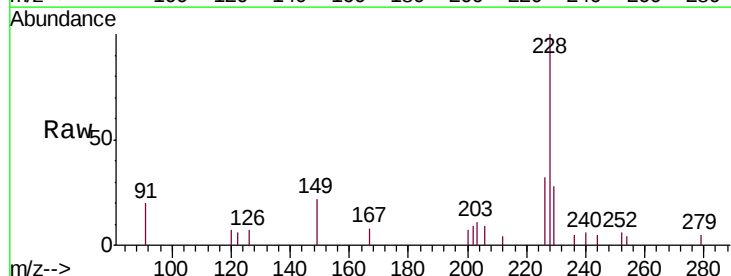
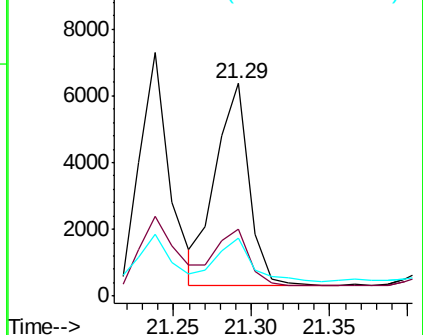
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	23.9	35.9
229	27.5	15.8	23.6

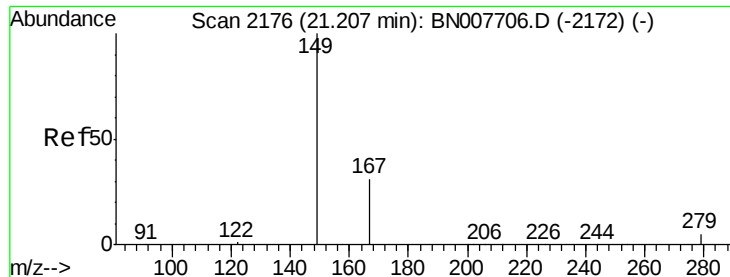
Abundance

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





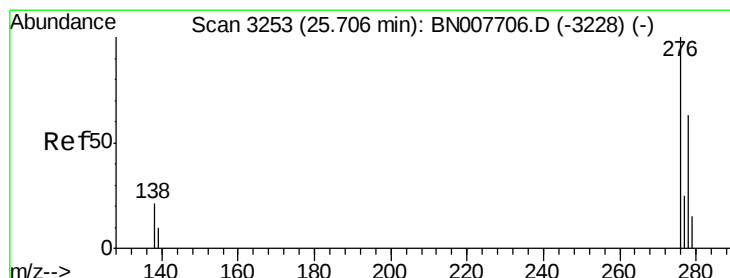
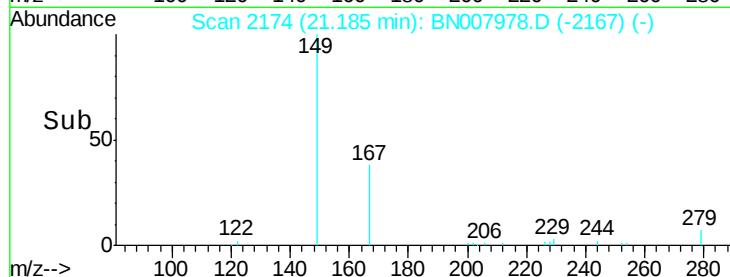
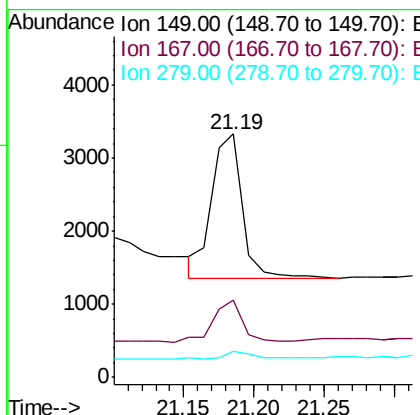
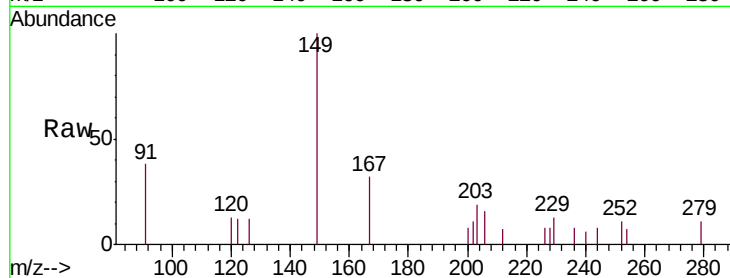
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.049 ng
 RT: 21.19 min Scan# 2174
 Delta R.T. -0.02 min
 Lab File: BN007978.D
 Acq: 02 Oct 2019 22:41

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B277-092519

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.6	23.7	35.5
279	5.8	4.2	6.2

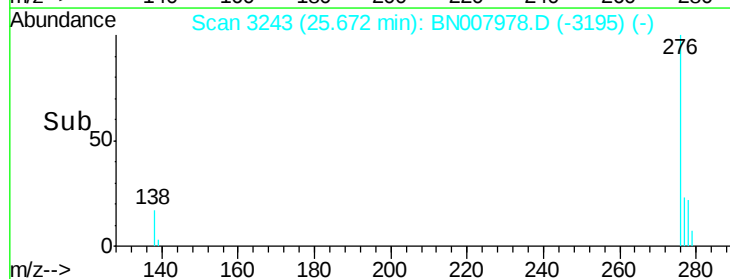
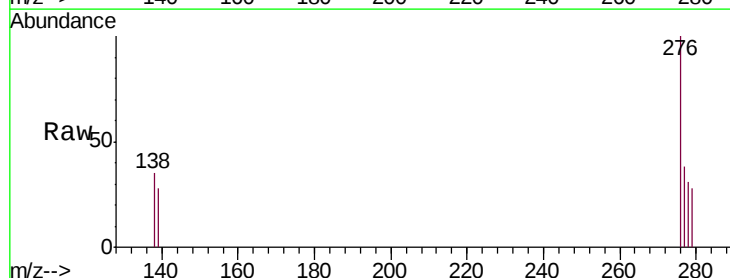
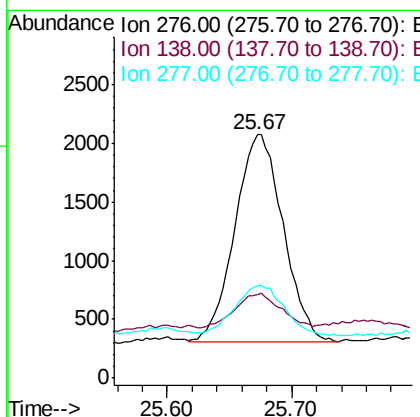
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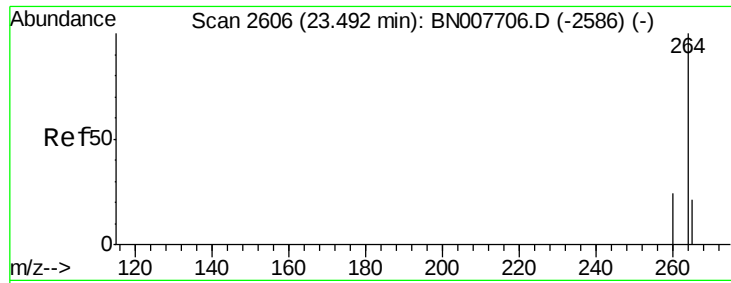
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.032 ng
 RT: 25.67 min Scan# 3243
 Delta R.T. -0.03 min
 Lab File: BN007978.D
 Acq: 02 Oct 2019 22:41

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.2	17.1	25.7
277	24.8	20.0	30.0





#34

Perylene-d12

Concen: 0.400 ng

RT: 23.47 min Scan# 2599

Delta R.T. -0.02 min

Lab File: BN007978.D

Acq: 02 Oct 2019 22:41

Instrument :

BNA_N

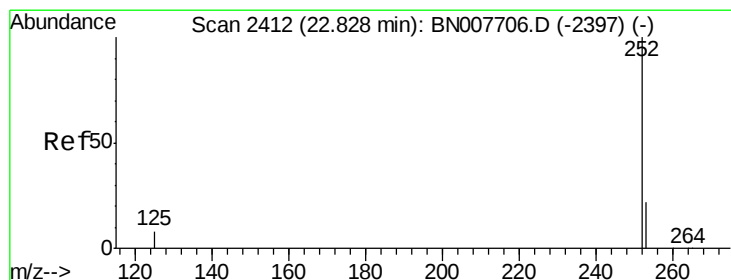
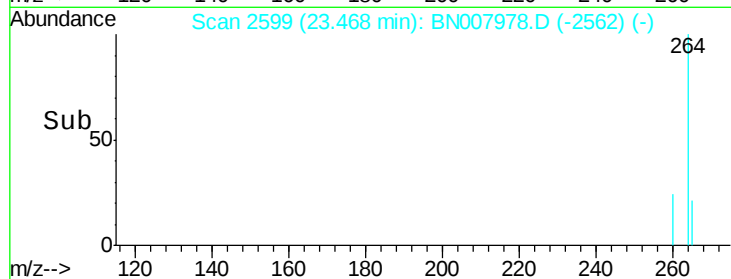
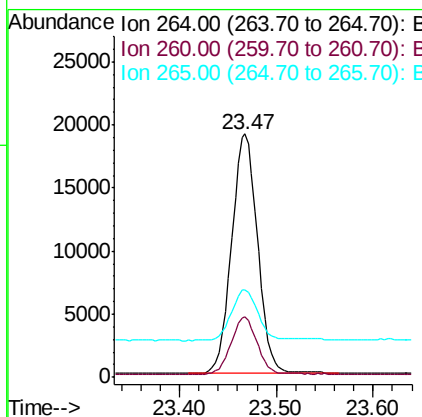
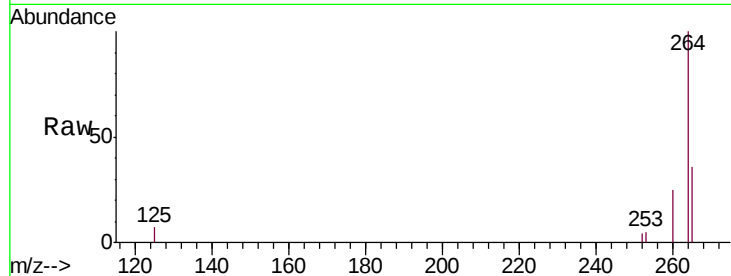
ClientSampleId :

PST-024-B277-092519

Tgt Ion:	264	Resp:	35481
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.3	28.9
265	35.9	26.9	40.3

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#35

Benzo(b)fluoranthene

Concen: 0.088 ng

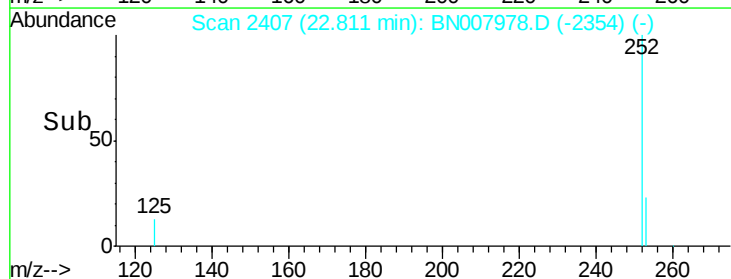
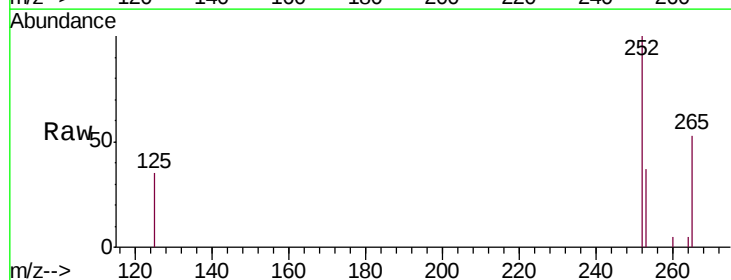
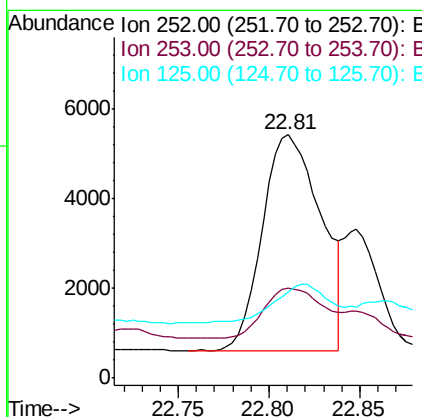
RT: 22.81 min Scan# 2407

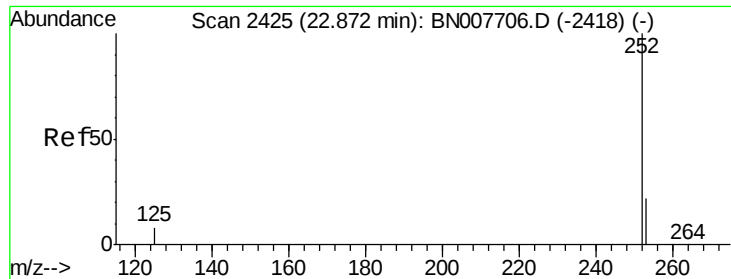
Delta R.T. -0.02 min

Lab File: BN007978.D

Acq: 02 Oct 2019 22:41

Tgt Ion:	252	Resp:	10836
Ion Ratio	Lower	Upper	
252	100		
253	36.9	18.3	27.5#
125	35.2	8.2	12.4#





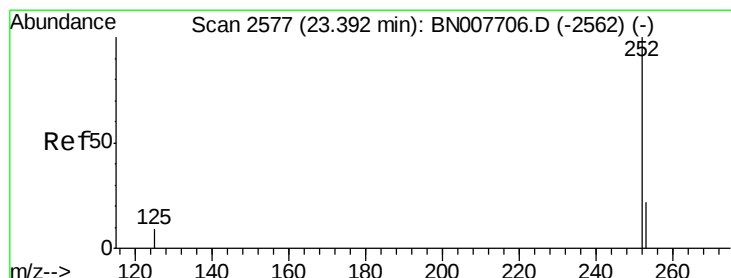
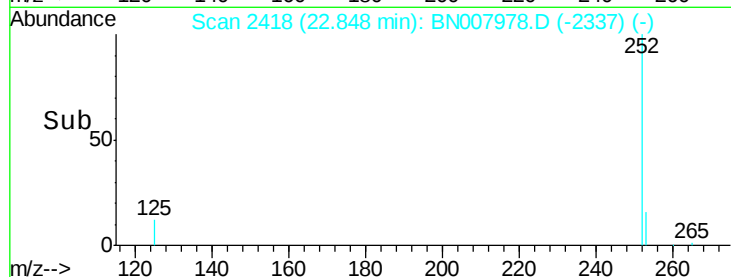
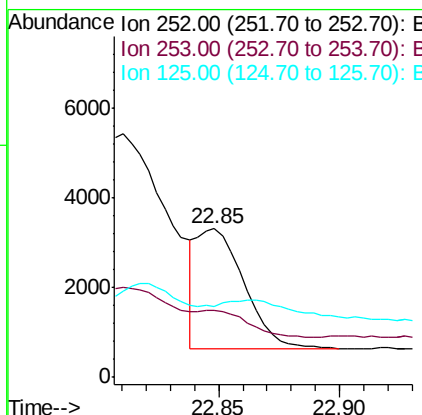
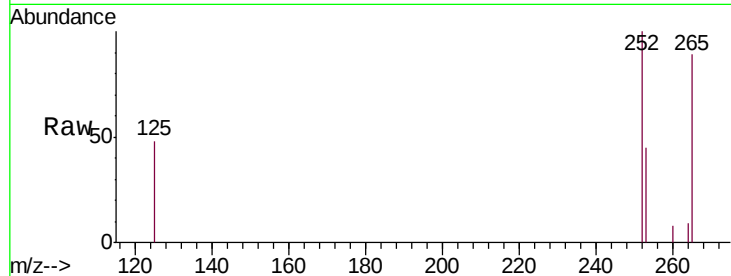
#36
Benzo(k)fluoranthene
Concen: 0.030 ng m
RT: 22.85 min Scan# 2418
Delta R.T. -0.02 min
Lab File: BN007978.D
Acq: 02 Oct 2019 22:41

Instrument :
BNA_N
ClientSampleId :
PST-024-B277-092519

Tgt Ion	Ratio	Lower	Upper
252	100		
253	45.4	18.5	27.7#
125	47.5	8.4	12.6#

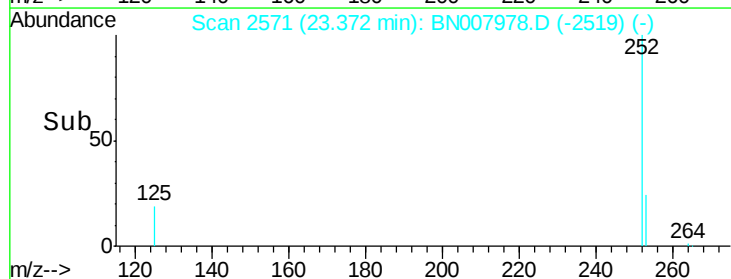
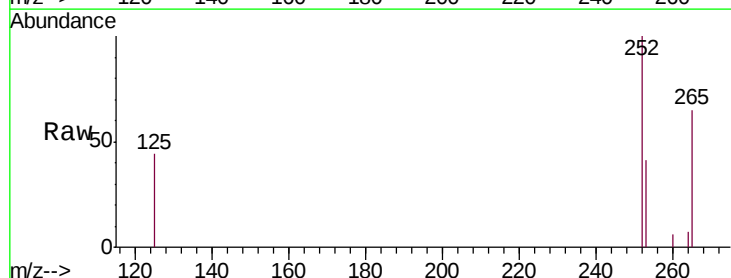
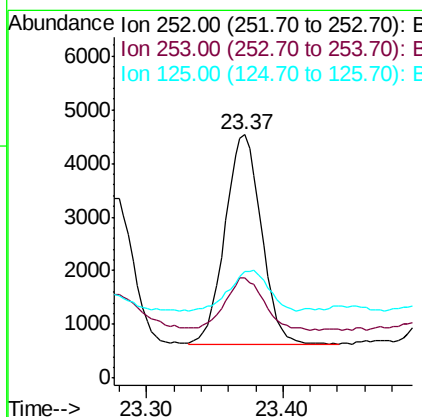
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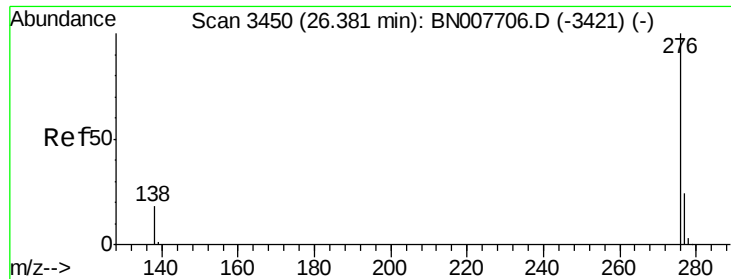
mohammad
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#37
Benzo(a)pyrene
Concen: 0.062 ng
RT: 23.37 min Scan# 2571
Delta R.T. -0.02 min
Lab File: BN007978.D
Acq: 02 Oct 2019 22:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	41.2	18.6	27.8#
125	43.7	9.4	14.0#





#39

Benzo(g,h,i)perylene

Concen: 0.038 ng

RT: 26.35 min Scan# 3440

Delta R.T. -0.03 min

Lab File: BN007978.D

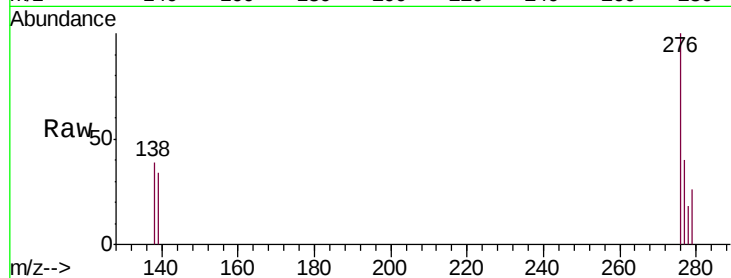
Acq: 02 Oct 2019 22:41

Instrument :

BNA_N

ClientSampleId :

PST-024-B277-092519



Tgt Ion:	276	Resp:	4423
Ion Ratio	Lower	Upper	
276	100		
277	39.7	19.8	29.8#
138	39.0	15.1	22.7#

Manual Integrations
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