

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092719\
 Data File : BN007884.D
 Acq On : 27 Sep 2019 12:54
 Operator : JU
 Sample : K4994-01DL 25X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-SW091-091819-2DL

Manual Integrations
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mohammad
 9/30/2019 8:15:51 AM

Quant Time: Sep 27 16:30:59 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	6965	0.40	ng	0.00
7) Naphthalene-d8	10.46	136	28611	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	18338	0.40	ng	-0.01
19) Phenanthrene-d10	17.06	188	39511	0.40	ng	-0.01
27) Chrysene-d12	21.26	240	42007	0.40	ng	-0.01
34) Perylene-d12	23.47	264	47308	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.31	112	355	0.01	ng	0.00
5) Phenol-d6	6.87	99	457	0.01	ng	0.00
8) Nitrobenzene-d5	8.83	82	570	0.02	ng	0.00
11) 2-Methylnaphthalene-d10	12.05	152	510	0.01	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	105	0.01	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	799	0.01	ng	-0.01
25) Fluoranthene-d10	19.09	212	1289m	0.01	ng	-0.02
29) Terphenyl-d14	19.70	244	1827	0.02	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.51	128	15734	0.196	ng	99
12) 2-Methylnaphthalene	12.13	142	8510	0.157	ng	98
16) Acenaphthylene	14.03	152	72730	0.748	ng	99
17) Acenaphthene	14.38	154	5129	0.082	ng	94
18) Fluorene	15.36	166	12731	0.158	ng	# 13
23) Phenanthrene	17.10	178	288118	2.341	ng	100
24) Anthracene	17.19	178	63594	0.572	ng	99
26) Fluoranthene	19.12	202	589177	3.850	ng	99
28) Pyrene	19.49	202	886296	6.186	ng	# 96
30) Benzo(a)anthracene	21.24	228	442044	2.858	ng	96
31) Chrysene	21.29	228	568344	3.770	ng	98
32) Bis(2-ethylhexyl)phthalate	21.19	149	12477	0.157	ng	# 81
33) Indeno(1,2,3-cd)pyrene	25.68	276	257399	1.364	ng	97
35) Benzo(b)fluoranthene	22.82	252	525673	3.201	ng	99
36) Benzo(k)fluoranthene	22.85	252	145213m	0.894	ng	
37) Benzo(a)pyrene	23.38	252	414680	2.687	ng	98
38) Dibenzo(a,h)anthracene	25.69	278	77439	0.490	ng	92
39) Benzo(a,h,i)perylene	26.36	276	295978	1.894	ng	99

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

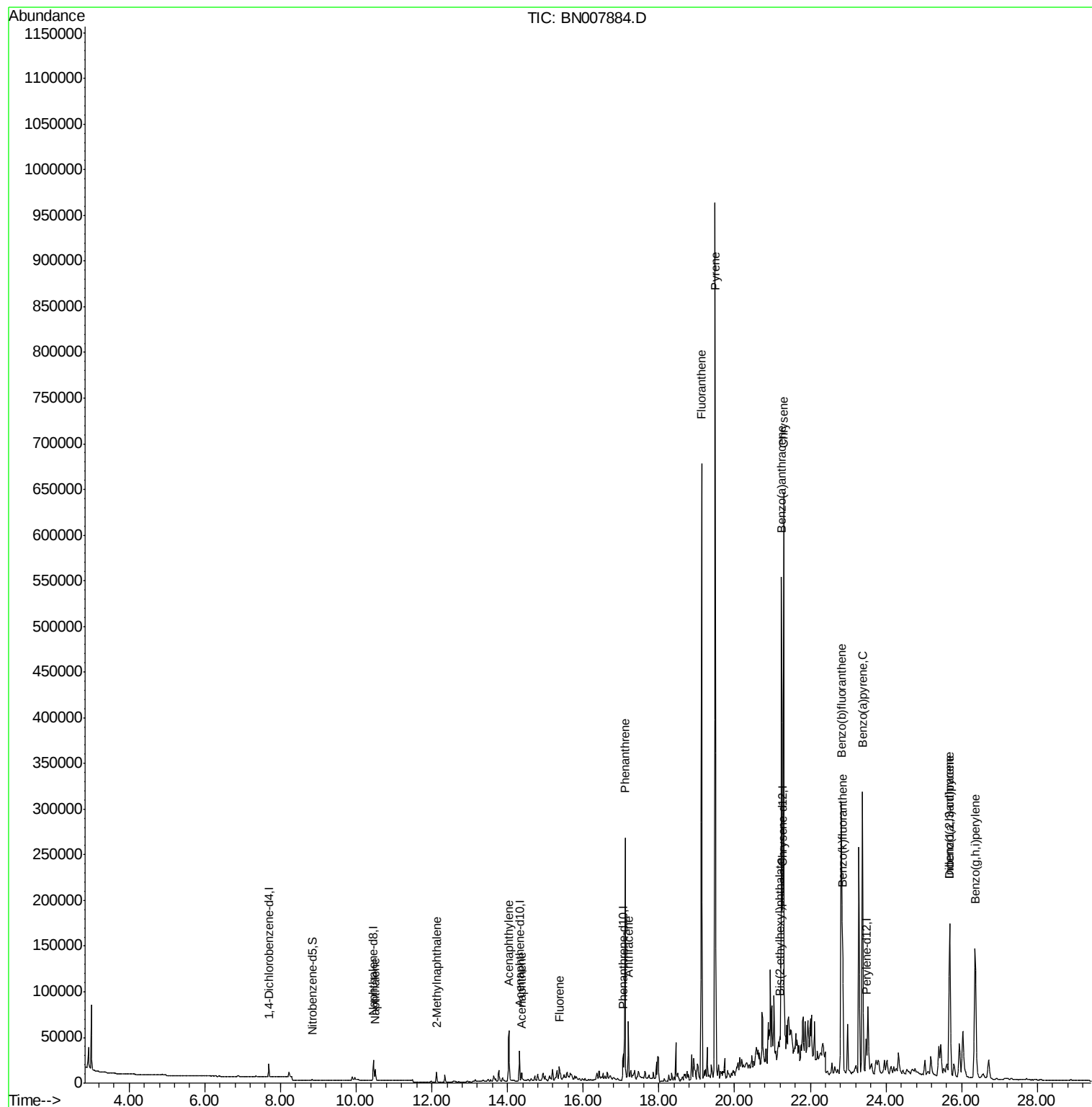
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092719\
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#1

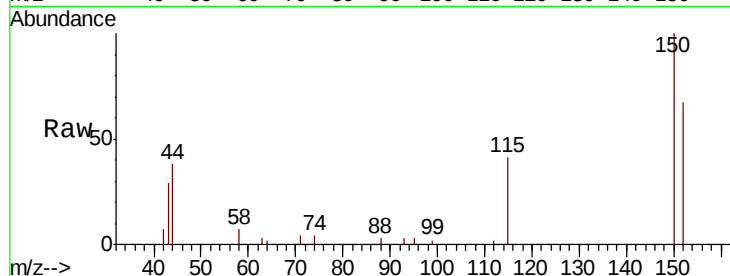
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 604
Delta R.T. -0.01 min
Lab File: BN007884.D
Acq: 27 Sep 2019 12:54

Instrument :
BNA_N
ClientSampleId :
EXT-SW091-091819-2DL

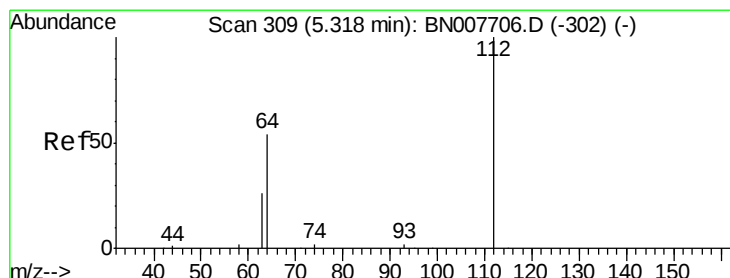
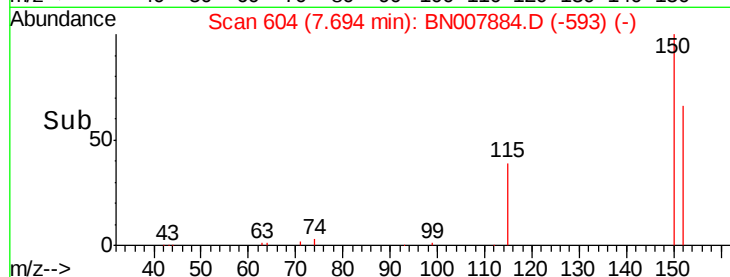
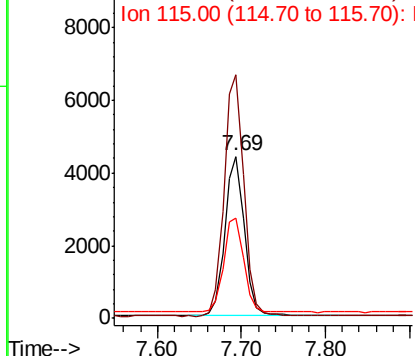
Tot Ion	Ratio	Lower	Upper
152	100		
150	150.2	125.6	188.4
115	61.8	53.3	79.9

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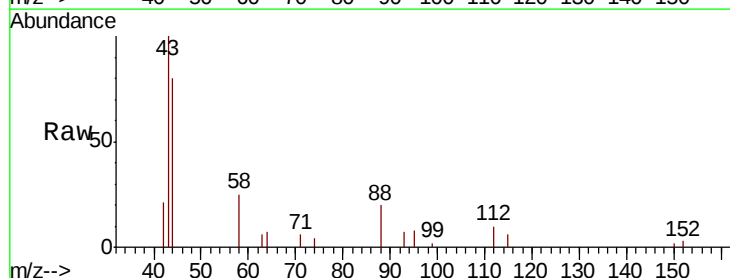
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



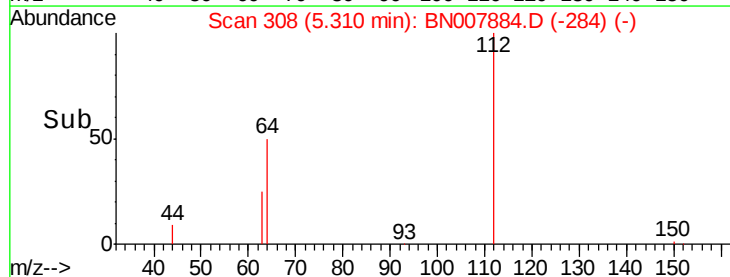
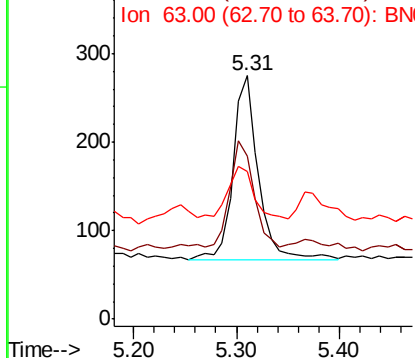
#4

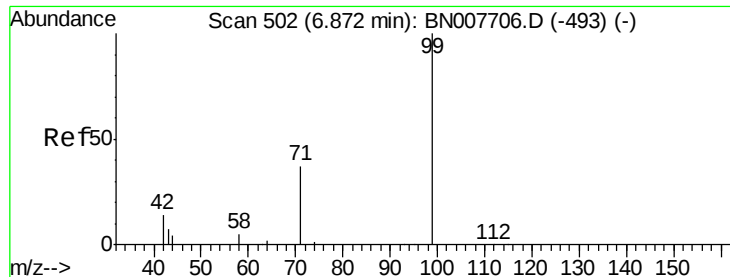
2-Fluorophenol
Concen: 0.015 ng
RT: 5.31 min Scan# 308
Delta R.T. -0.01 min
Lab File: BN007884.D
Acq: 27 Sep 2019 12:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	46.6	70.0
63	34.9	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: 0.009 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN007884.D

Acq: 27 Sep 2019 12:54

Instrument :

BNA_N

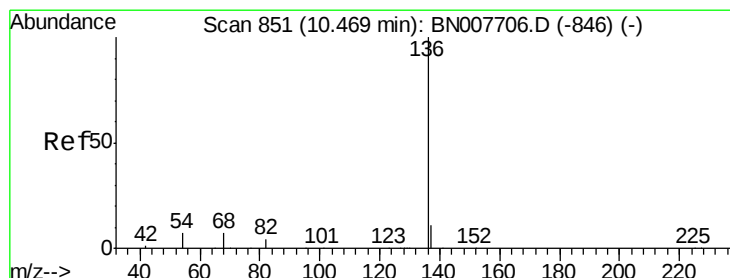
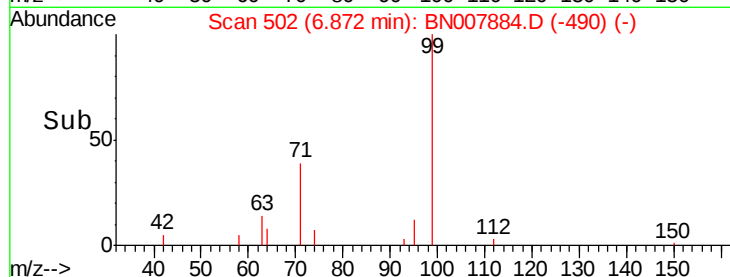
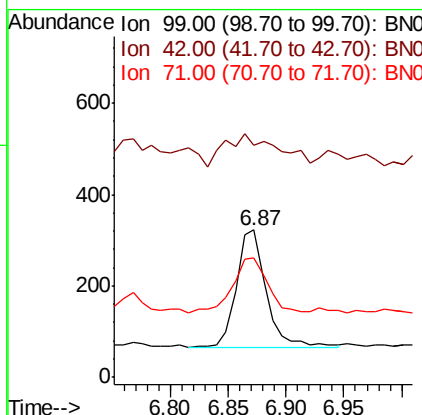
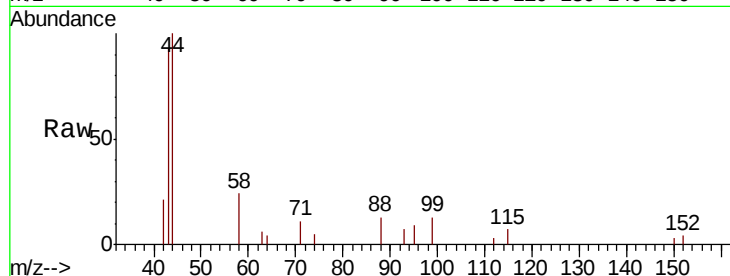
ClientSampleId :

EXT-SW091-091819-2DL

Tot Ion:	99	Resp:	457
Ion	Ratio	Lower	Upper
99	100		
42	50.3	12.8	19.2#
71	54.0	27.6	41.4#

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#7

Naphthalene-d8

Concen: 0.400 ng

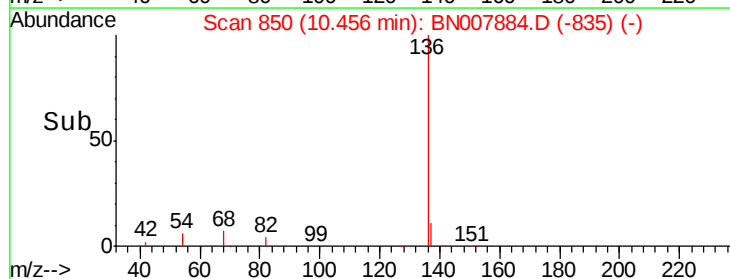
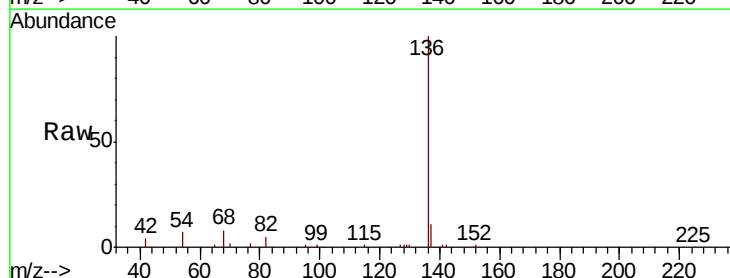
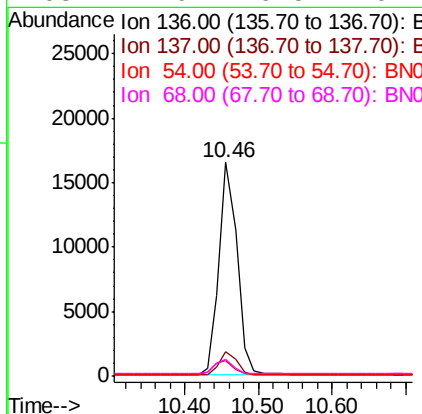
RT: 10.46 min Scan# 850

Delta R.T. -0.01 min

Lab File: BN007884.D

Acq: 27 Sep 2019 12:54

Tgt Ion:	136	Resp:	28611
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.2	13.8
54	7.1	5.8	8.8
68	7.9	6.5	9.7





#8

Nitrobenzene-d5

Concen: 0.023 ng

RT: 8.83 min Scan# 722

Delta R.T. -0.00 min

Lab File: BN007884.D

Acq: 27 Sep 2019 12:54

Instrument :

BNA_N

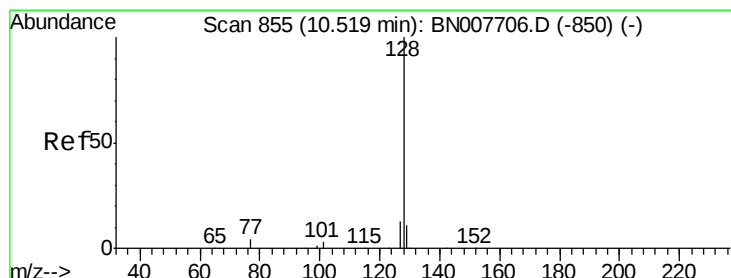
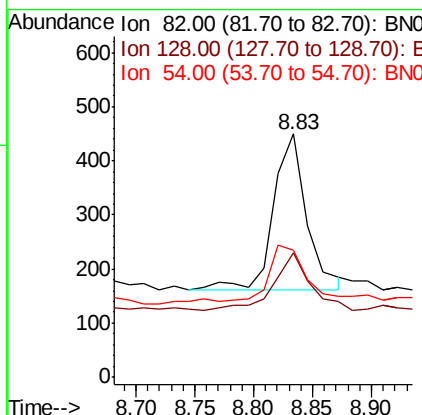
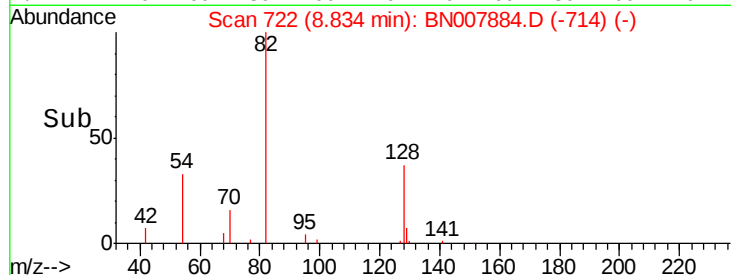
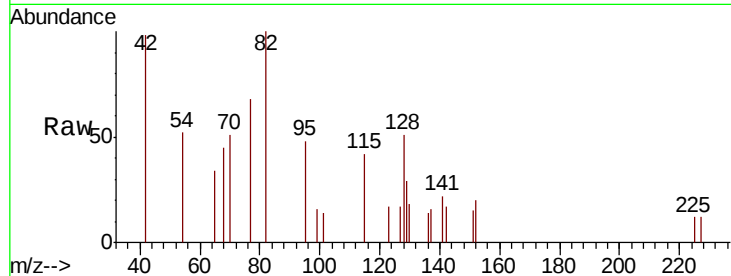
ClientSampleId :

EXT-SW091-091819-2DL

Tot Ion:	82	Resp:	570
Ion	Ratio	Lower	Upper
82	100		
128	51.3	24.5	36.7#
54	52.0	35.2	52.8

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#9

Naphthalene

Concen: 0.196 ng

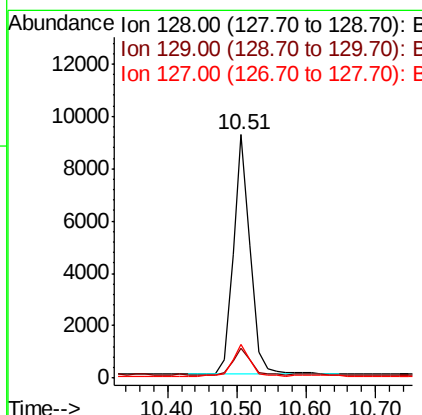
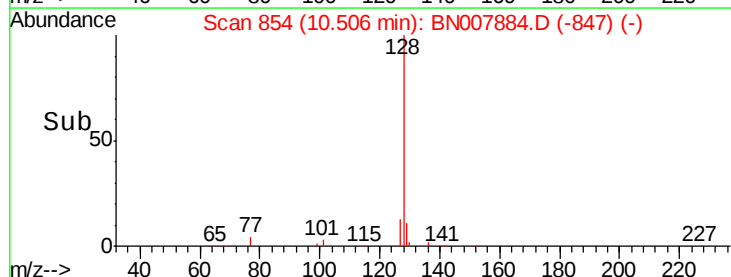
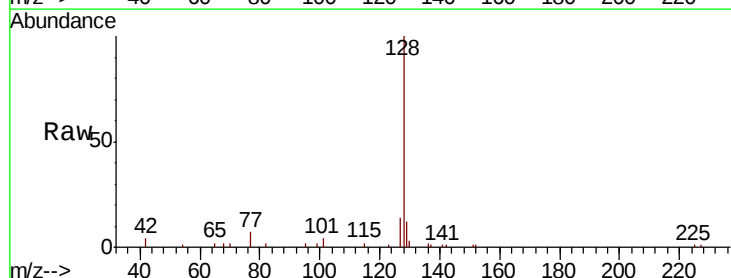
RT: 10.51 min Scan# 854

Delta R.T. -0.01 min

Lab File: BN007884.D

Acq: 27 Sep 2019 12:54

Tgt Ion:	128	Resp:	15734
Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.1	13.7
127	13.7	10.6	15.8





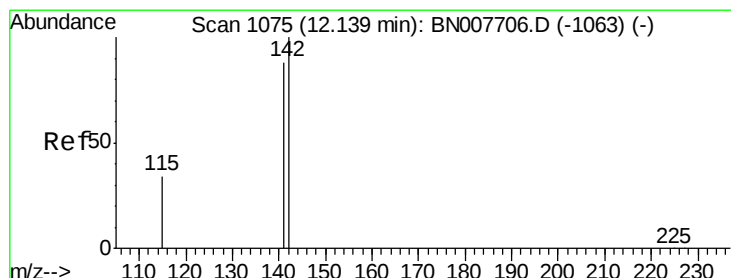
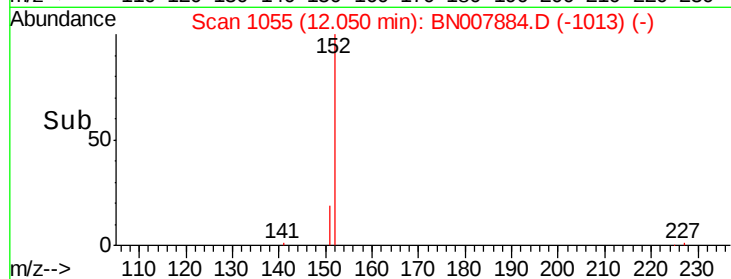
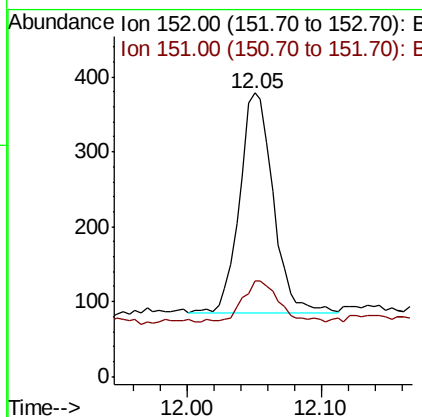
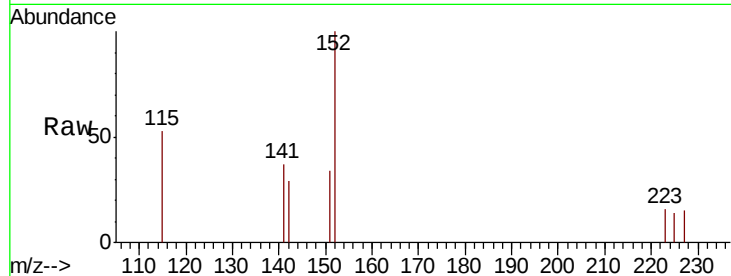
#11
2-Methylnaphthalene-d10
Concen: 0.011 ng
RT: 12.05 min Scan# 1055
Delta R.T. -0.01 min
Lab File: BN007884.D
Acq: 27 Sep 2019 12:54

Instrument :
BNA_N
ClientSampleId :
EXT-SW091-091819-2DL

Tot Ion	Ion	Ratio	Lower	Upper
152	100			
151	19.6	15.4	23.2	

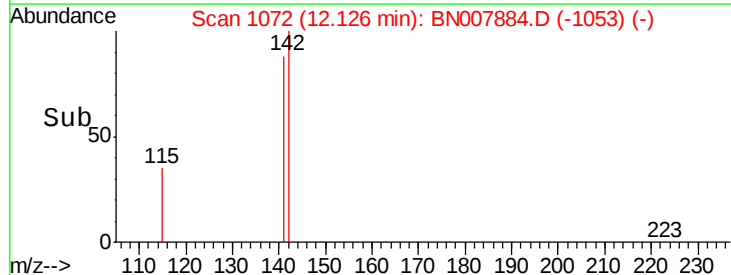
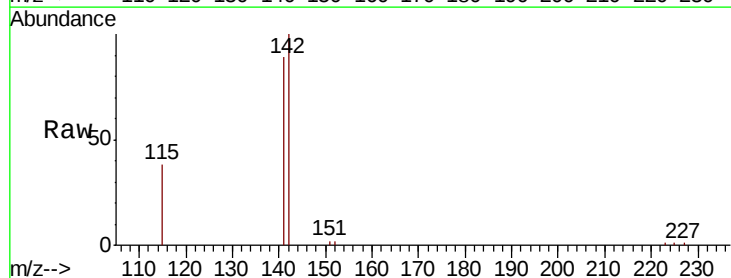
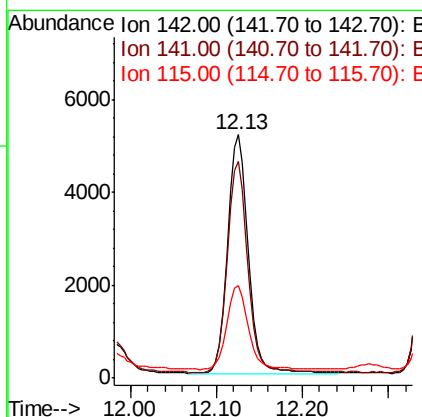
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#12
2-Methylnaphthalene
Concen: 0.157 ng
RT: 12.13 min Scan# 1072
Delta R.T. -0.01 min
Lab File: BN007884.D
Acq: 27 Sep 2019 12:54

Tgt Ion	Ion	Ratio	Lower	Upper
142	100			
141	89.1	70.6	106.0	
115	38.1	28.3	42.5	





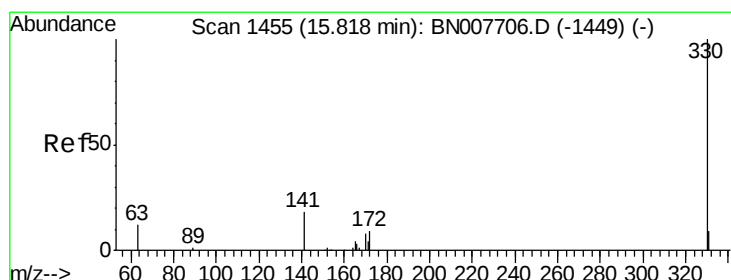
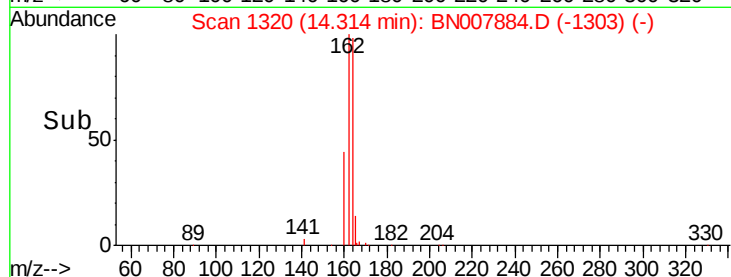
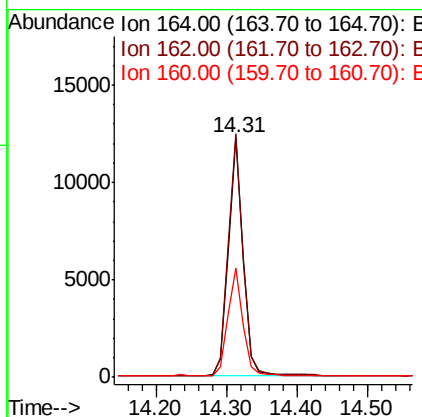
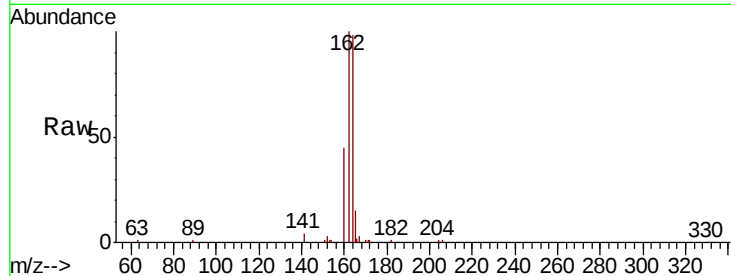
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BN007884.D
Acq: 27 Sep 2019 12:54

Instrument :
BNA_N
ClientSampleId :
EXT-SW091-091819-2DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.7	122.5
160	45.5	37.0	55.4

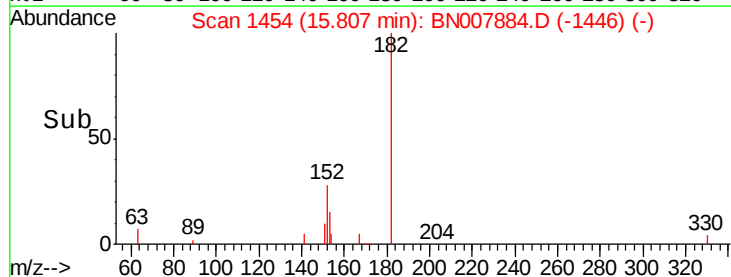
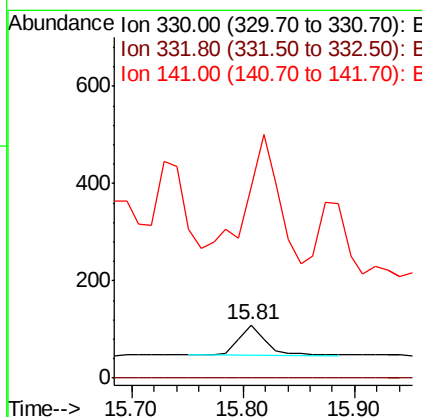
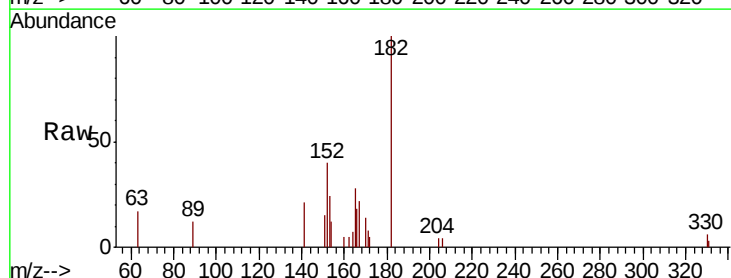
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#14
2,4,6-Tribromophenol
Concen: 0.011 ng
RT: 15.81 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BN007884.D
Acq: 27 Sep 2019 12:54

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	487.6	28.7	43.1#





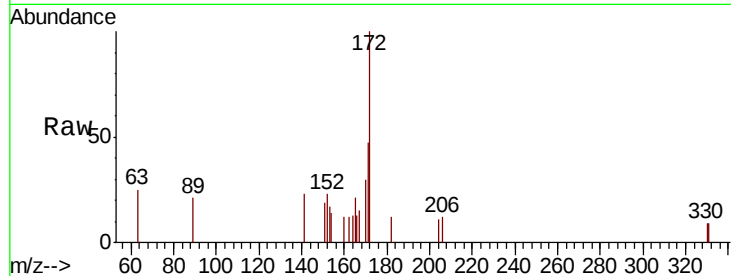
#15
2-Fluorobiphenyl
Concen: 0.011 ng
RT: 12.93 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BN007884.D
Acq: 27 Sep 2019 12:54

Instrument :
BNA_N
ClientSampleId :
EXT-SW091-091819-2DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	46.9	28.8	43.2#
170	29.6	19.5	29.3#

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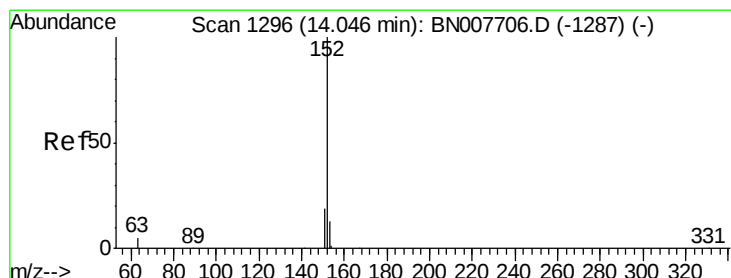
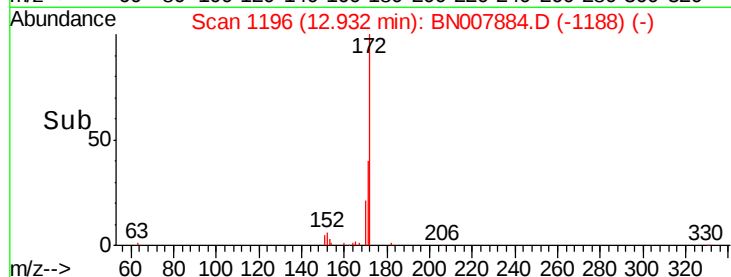
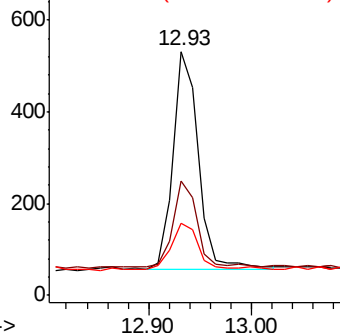


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16
Acenaphthylene
Concen: 0.748 ng
RT: 14.03 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BN007884.D
Acq: 27 Sep 2019 12:54

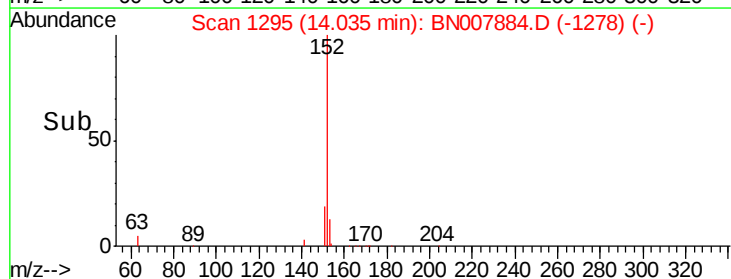
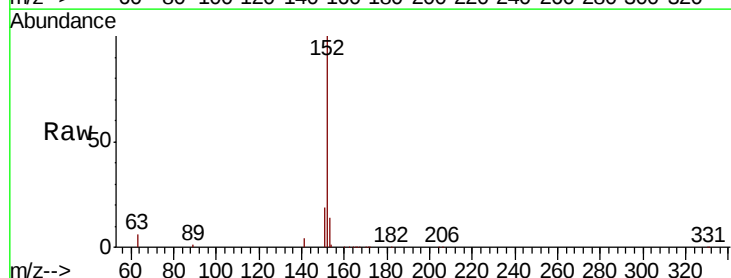
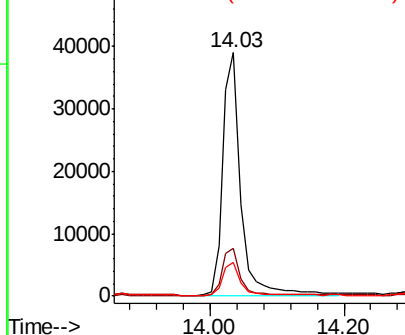
Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.5	23.3
153	13.5	10.4	15.6

Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





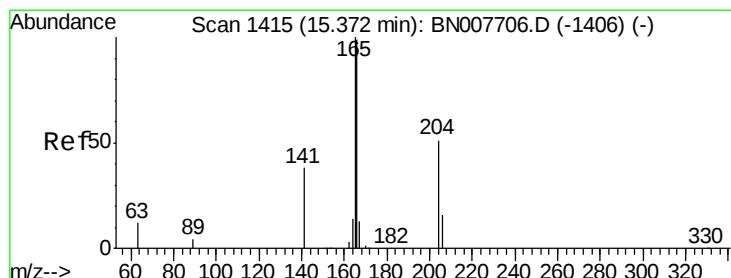
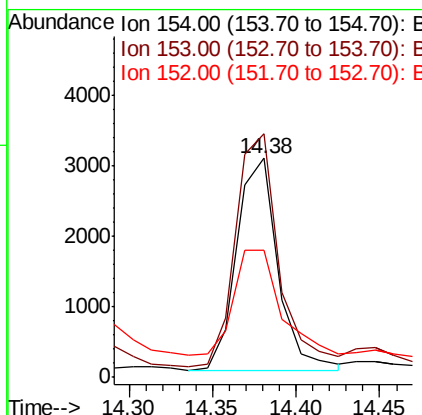
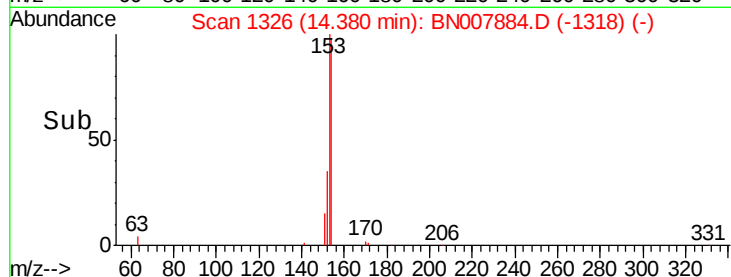
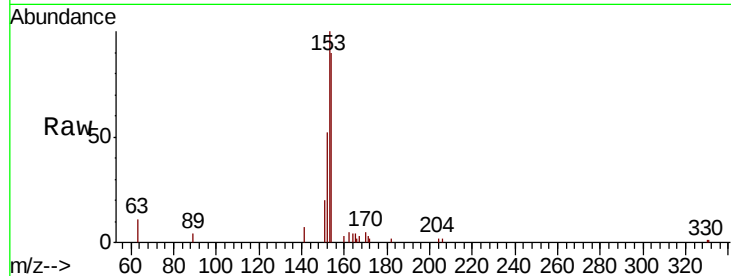
#17
Acenaphthene
Concen: 0.082 ng
RT: 14.38 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BN007884.D
Acq: 27 Sep 2019 12:54

Instrument :
BNA_N
ClientSampleId :
EXT-SW091-091819-2DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	115.4	87.0	130.4
152	56.3	42.7	64.1

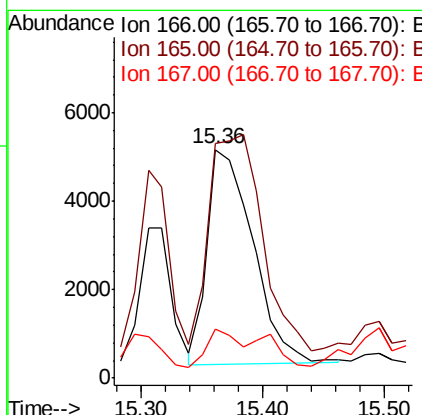
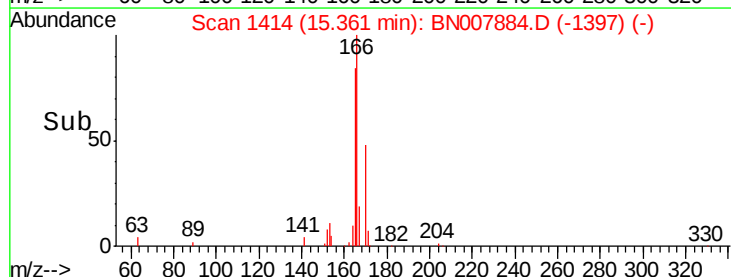
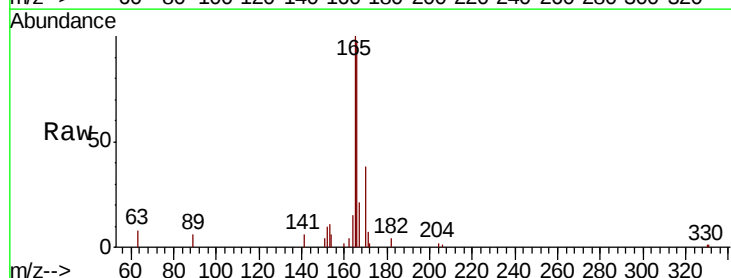
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#18
Fluorene
Concen: 0.158 ng
RT: 15.36 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BN007884.D
Acq: 27 Sep 2019 12:54

Tgt Ion	Ratio	Lower	Upper
166	100		
165	0.0	78.0	117.0#
167	12.3	10.9	16.3





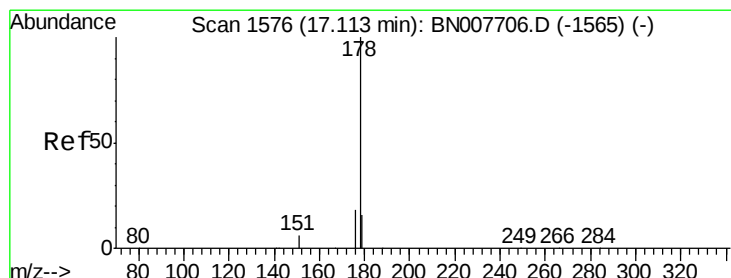
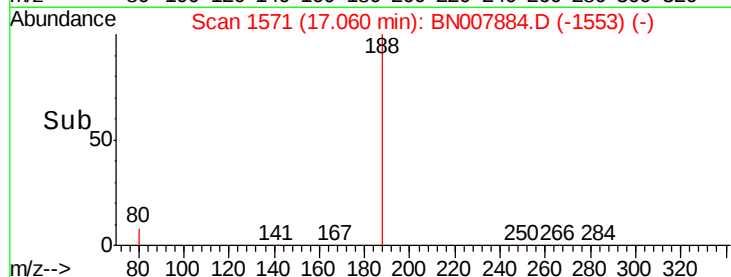
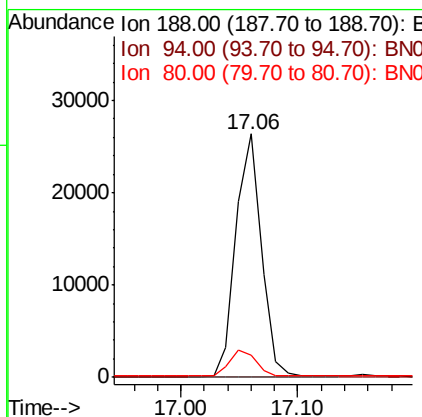
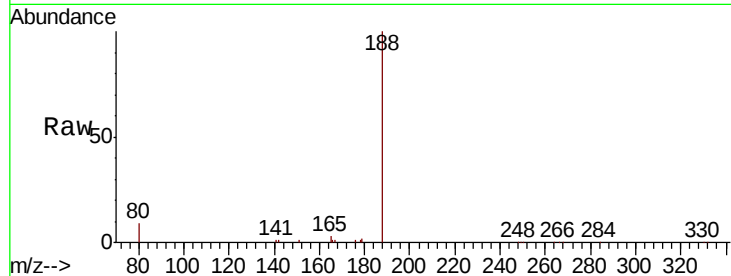
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.06 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BN007884.D
Acq: 27 Sep 2019 12:54

Instrument :
BNA_N
ClientSampleId :
EXT-SW091-091819-2DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	39511		
94	0.0	0.0	0.0	0.0
80	9.1	7.4	11.2	

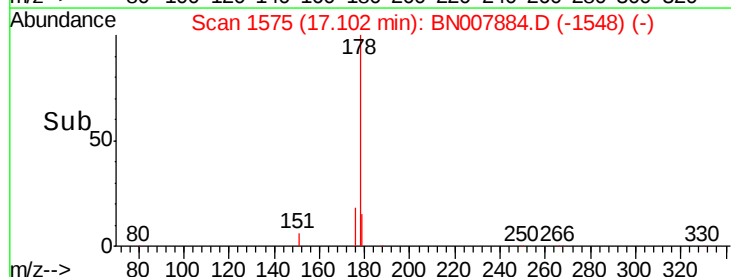
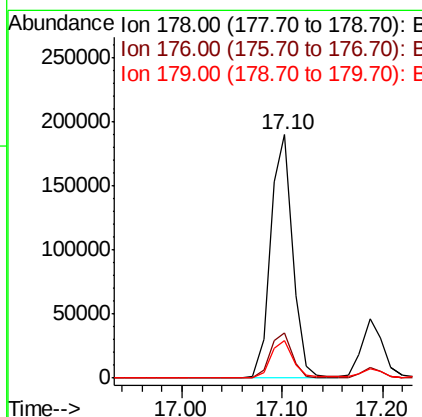
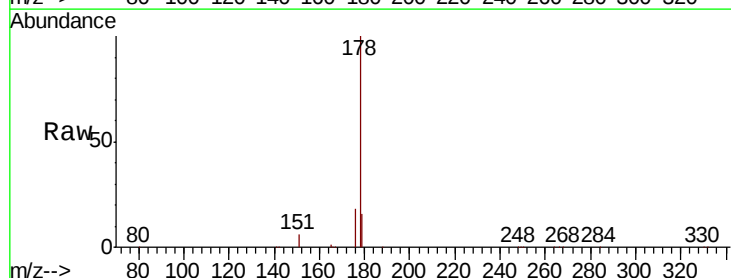
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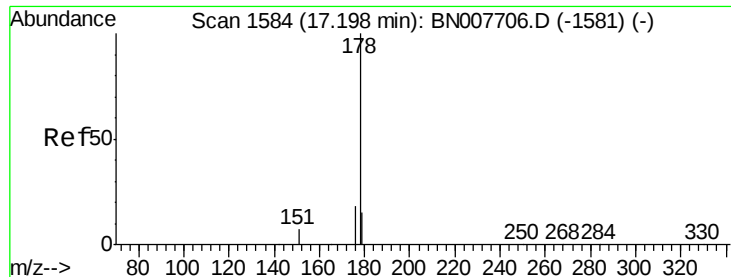
mohammad
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#23
Phenanthrene
Concen: 2.341 ng
RT: 17.10 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BN007884.D
Acq: 27 Sep 2019 12:54

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	288118		
176	18.6	14.9	22.3	
179	15.5	12.5	18.7	





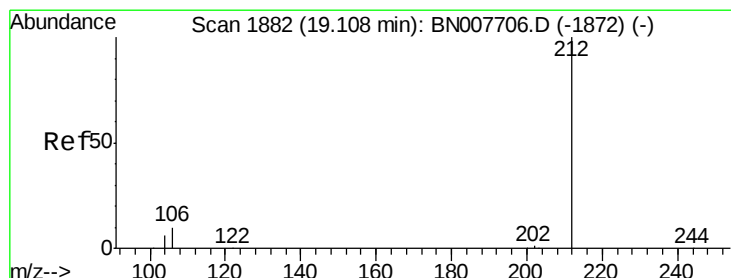
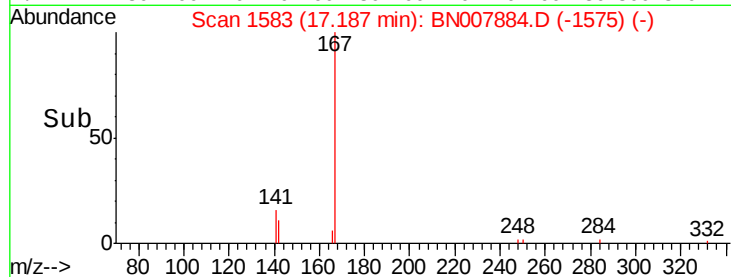
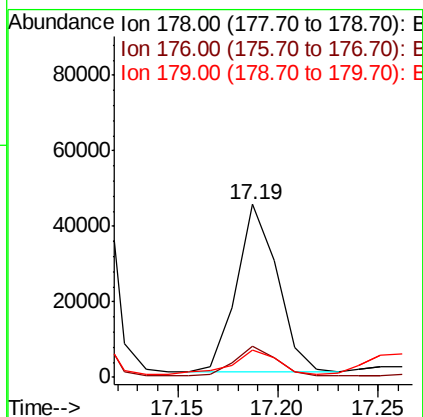
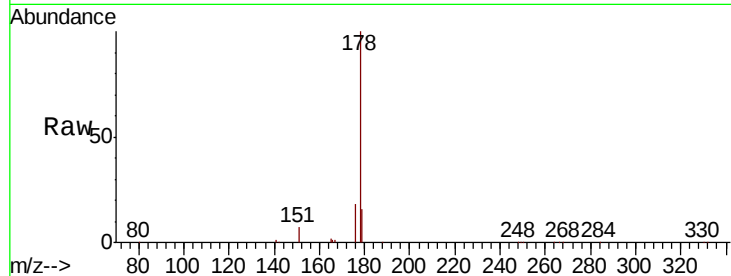
#24
 Anthracene
 Concen: 0.572 ng
 RT: 17.19 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BN007884.D
 Acq: 27 Sep 2019 12:54

Instrument :
 BNA_N
 ClientSampleId :
 EXT-SW091-091819-2DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.6	21.8
179	15.9	12.2	18.4

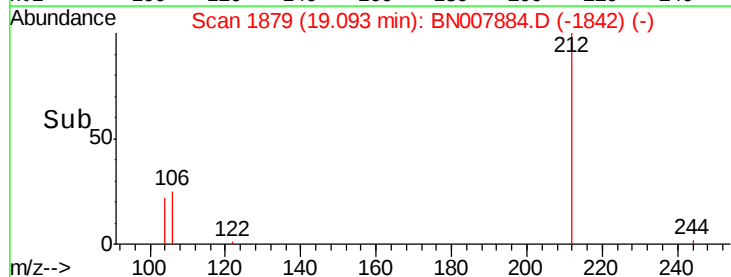
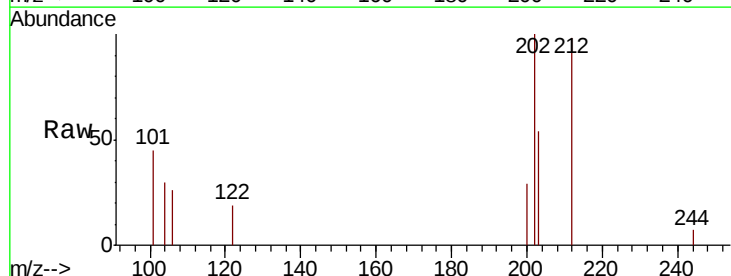
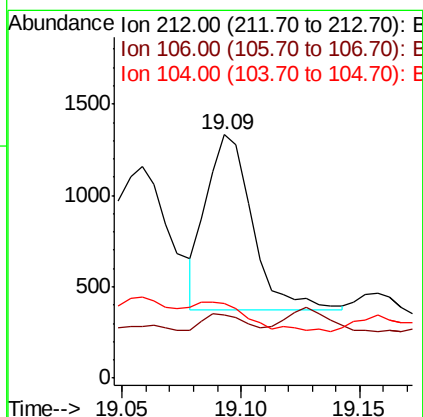
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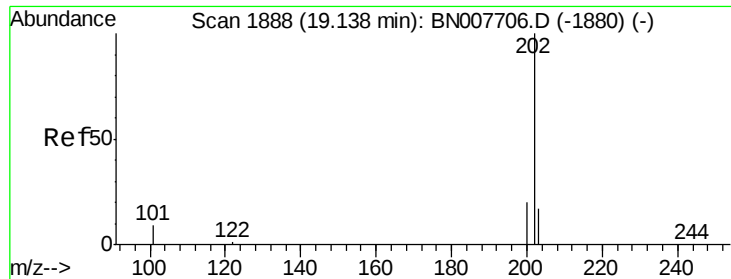
mohammad
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#25
 Fluoranthene-d10
 Concen: 0.010 ng m
 RT: 19.09 min Scan# 1879
 Delta R.T. -0.02 min
 Lab File: BN007884.D
 Acq: 27 Sep 2019 12:54

Tgt Ion	Ratio	Lower	Upper
212	100		
106	12.4	9.4	14.0
104	8.6	5.3	7.9





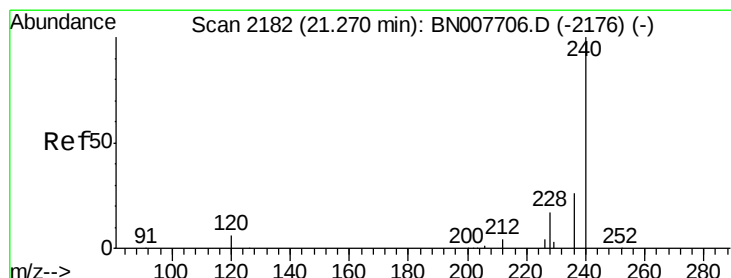
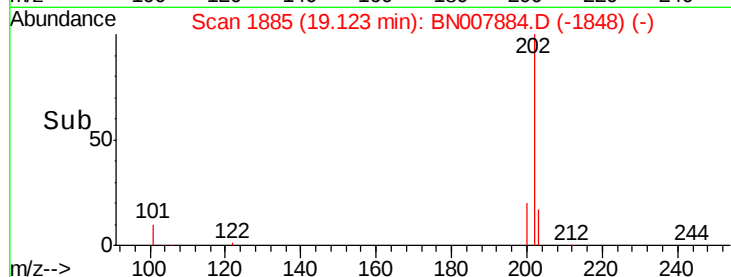
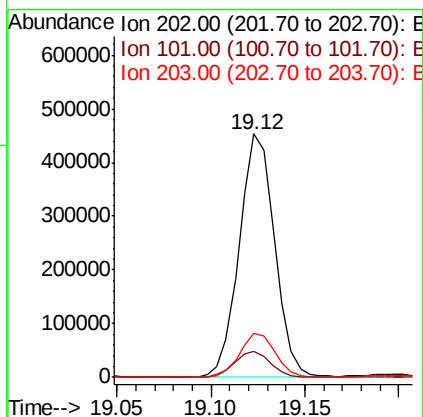
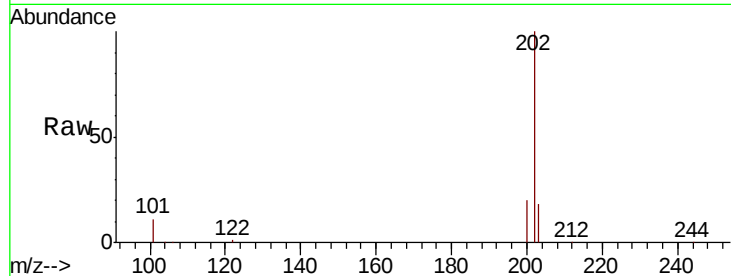
#26
 Fluoranthene
 Concen: 3.850 ng
 RT: 19.12 min Scan# 1885
 Delta R.T. -0.02 min
 Lab File: BN007884.D
 Acq: 27 Sep 2019 12:54

Instrument :
 BNA_N
 ClientSampleId :
 EXT-SW091-091819-2DL

Tot Ion:	202	Resp:	589177
Ion Ratio	Lower	Upper	
202	100		
101	10.6	8.4	12.6
203	18.0	13.8	20.8

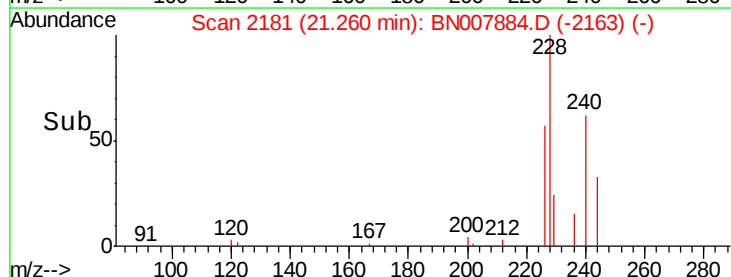
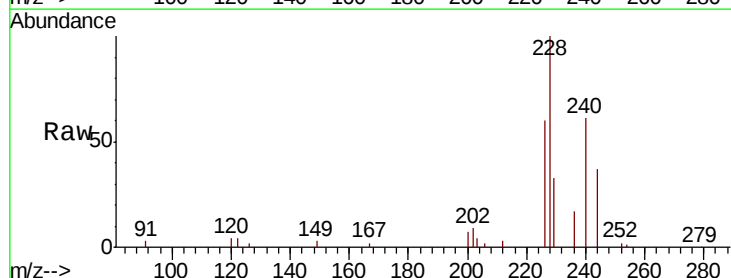
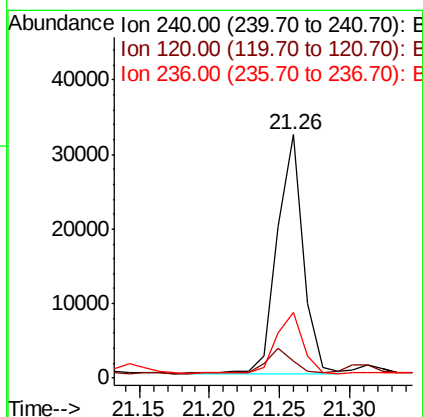
Manual Integrations
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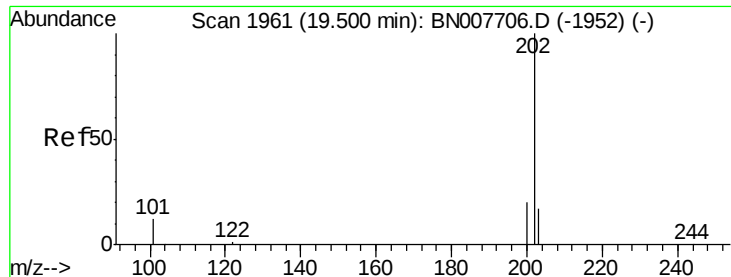
mohammad
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.26 min Scan# 2181
 Delta R.T. -0.01 min
 Lab File: BN007884.D
 Acq: 27 Sep 2019 12:54

Tgt Ion:	240	Resp:	42007
Ion Ratio	Lower	Upper	
240	100		
120	7.2	5.4	8.2
236	27.2	21.0	31.4





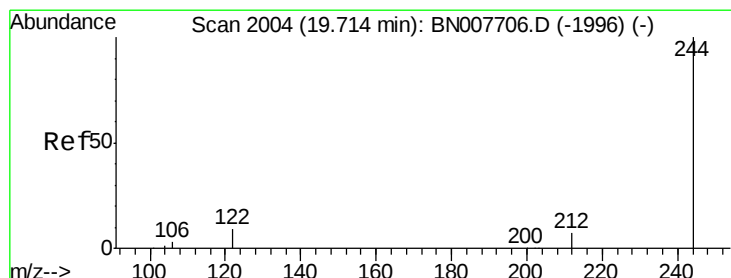
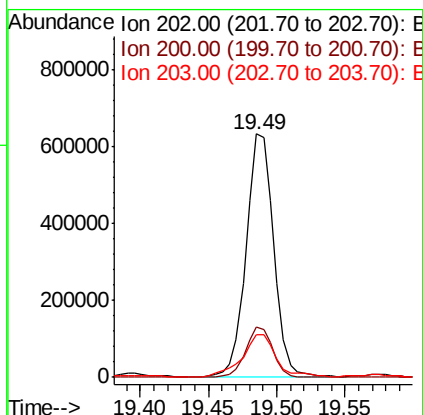
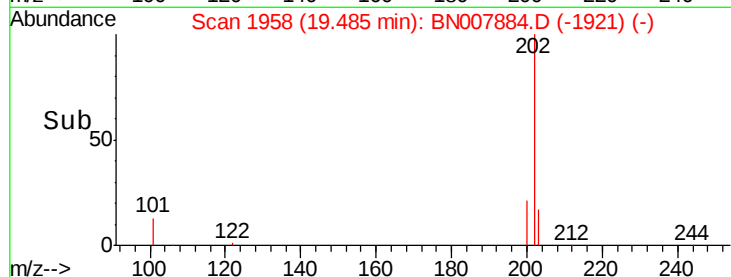
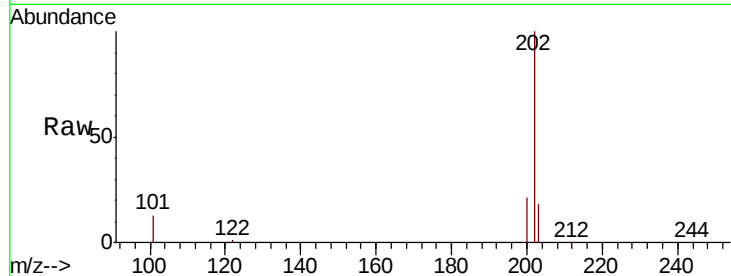
#28
Pvrene
Concen: 6.186 ng
RT: 19.49 min Scan# 1958
Delta R.T. -0.02 min
Lab File: BN007884.D
Acq: 27 Sep 2019 12:54

Instrument :
BNA_N
ClientSampleId :
EXT-SW091-091819-2DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.4	16.4	24.6
203	21.2	14.1	21.1#

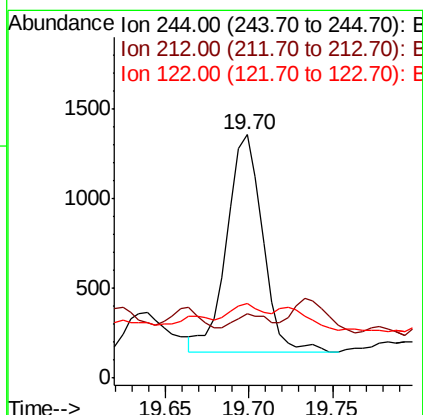
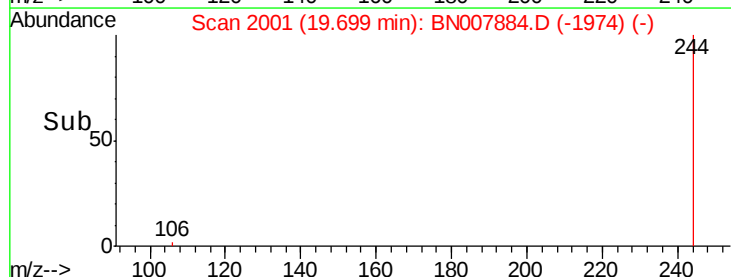
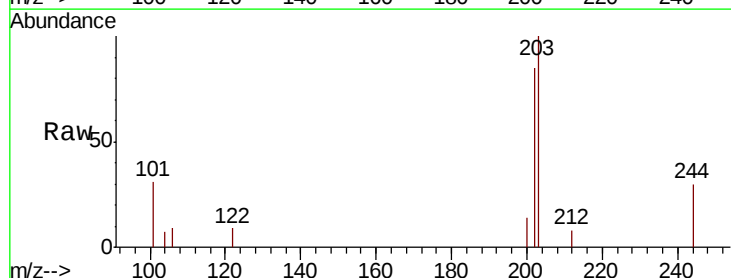
Manual Integrations
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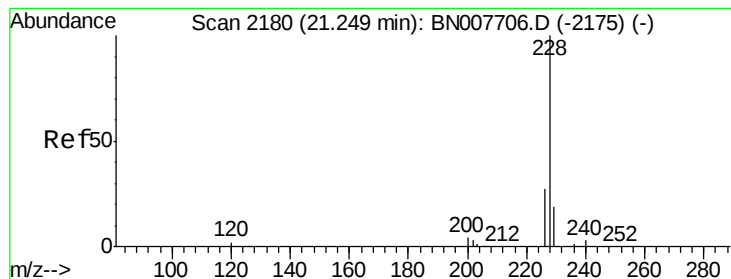
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#29
Terphenyl-d14
Concen: 0.018 ng
RT: 19.70 min Scan# 2001
Delta R.T. -0.02 min
Lab File: BN007884.D
Acq: 27 Sep 2019 12:54

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	26.3	5.9	8.9#
122	30.4	7.4	11.2#





#30

Benzo(a)anthracene

Concen: 2.858 ng

RT: 21.24 min Scan# 2179

Delta R.T. -0.01 min

Lab File: BN007884.D

Acq: 27 Sep 2019 12:54

Instrument :

BNA_N

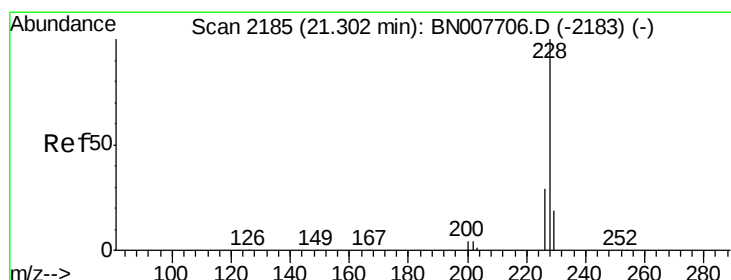
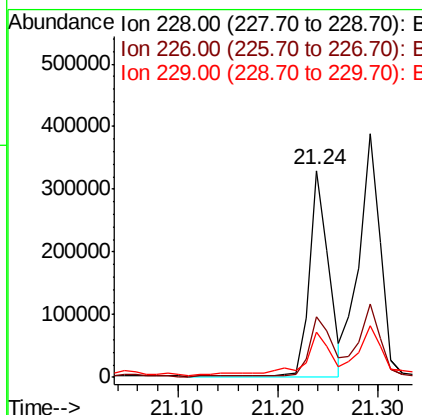
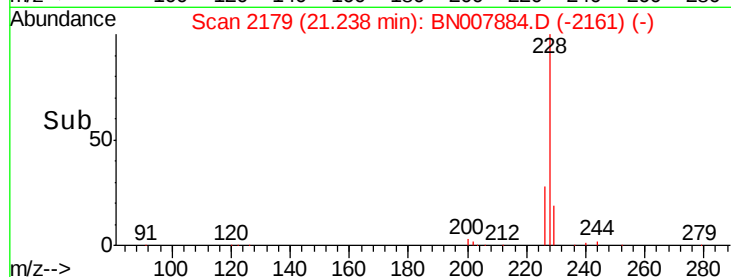
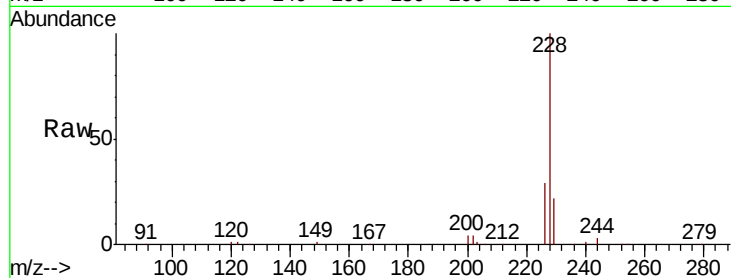
ClientSampleId :

EXT-SW091-091819-2DL

Tot Ion:	228	Resp:	442044
Ion Ratio	Lower	Upper	
228	100		
226	29.2	22.1	33.1
229	21.8	15.8	23.6

Manual Integrations
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#31

Chrysene

Concen: 3.770 ng

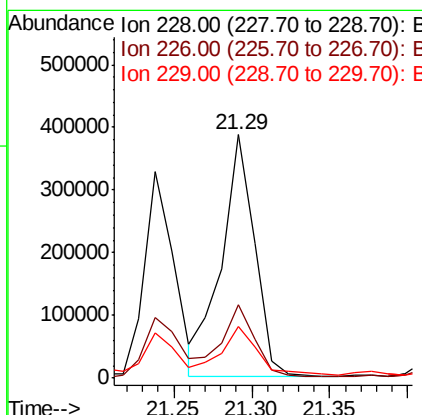
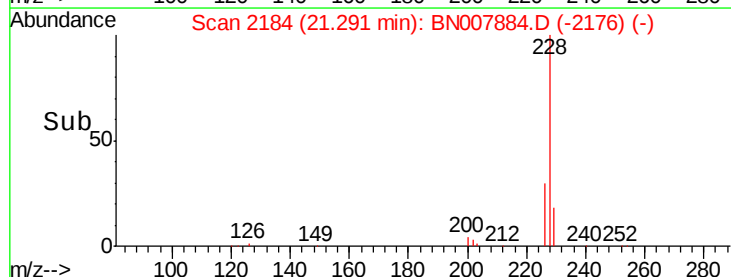
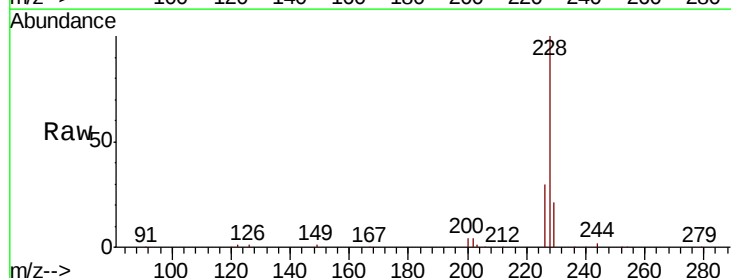
RT: 21.29 min Scan# 2184

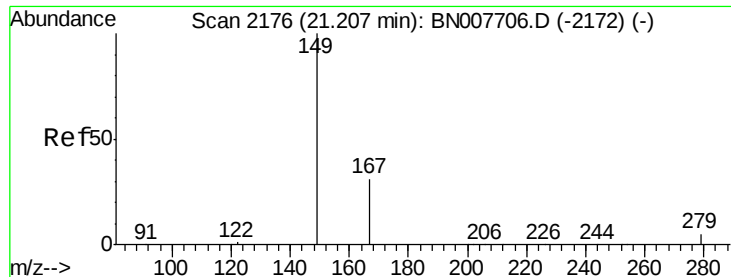
Delta R.T. -0.01 min

Lab File: BN007884.D

Acq: 27 Sep 2019 12:54

Tgt Ion:	228	Resp:	568344
Ion Ratio	Lower	Upper	
228	100		
226	30.2	23.9	35.9
229	21.2	15.8	23.6





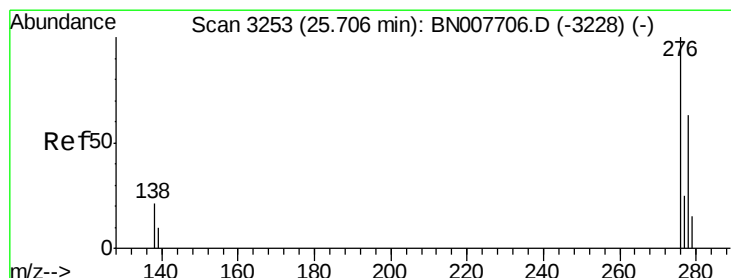
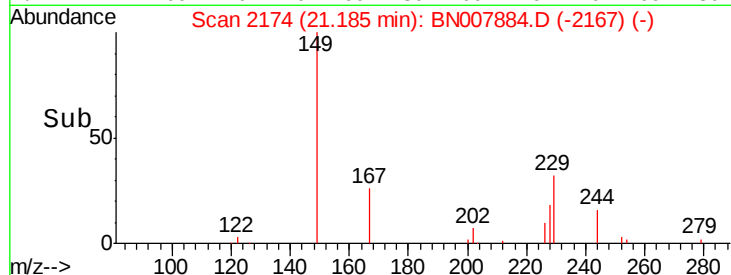
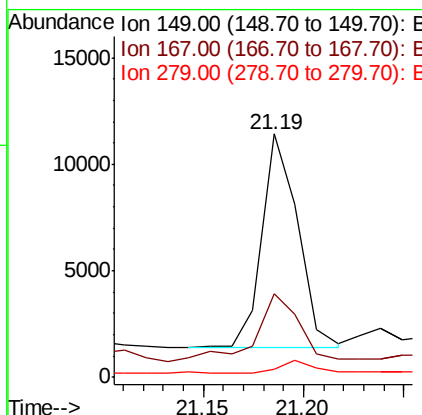
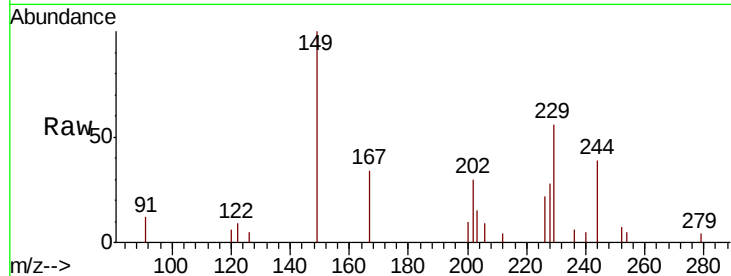
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.157 ng
 RT: 21.19 min Scan# 2174
 Delta R.T. -0.02 min
 Lab File: BN007884.D
 Acq: 27 Sep 2019 12:54

Instrument :
 BNA_N
 ClientSampleId :
 EXT-SW091-091819-2DL

Tot Ion	Ratio	Lower	Upper
149	100		
167	41.5	23.7	35.5#
279	5.4	4.2	6.2

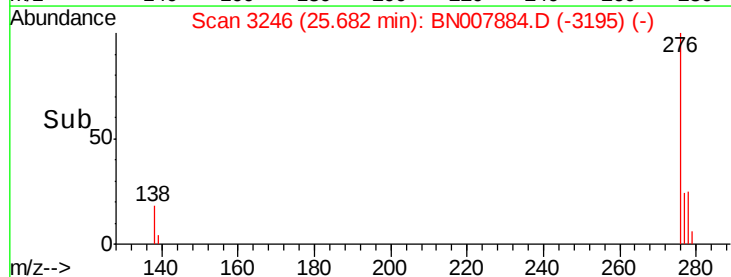
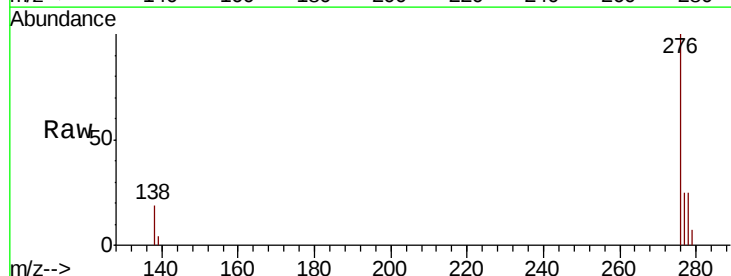
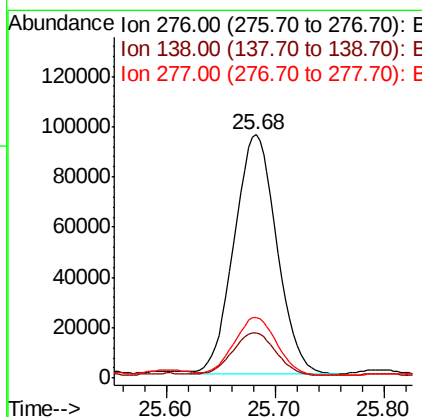
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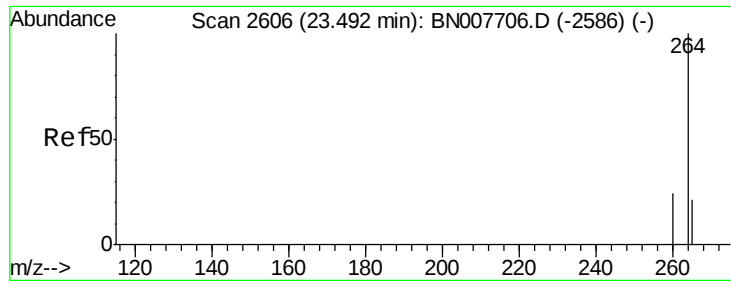
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 1.364 ng
 RT: 25.68 min Scan# 3246
 Delta R.T. -0.02 min
 Lab File: BN007884.D
 Acq: 27 Sep 2019 12:54

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.7	17.1	25.7
277	24.9	20.0	30.0





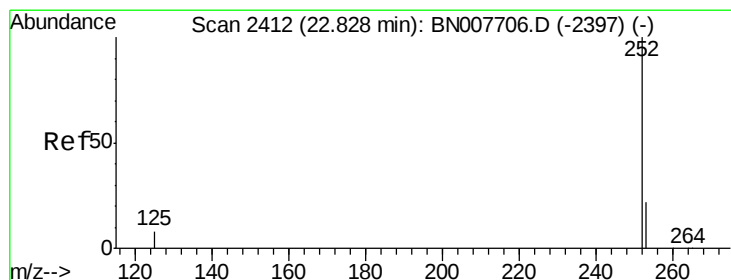
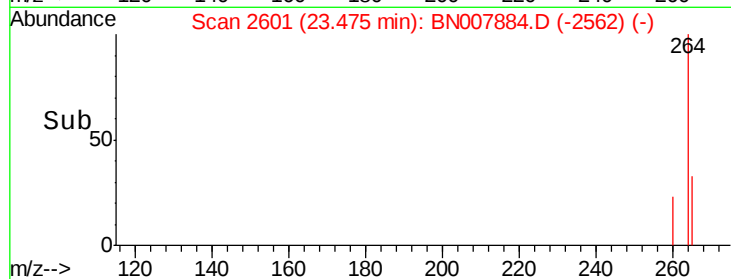
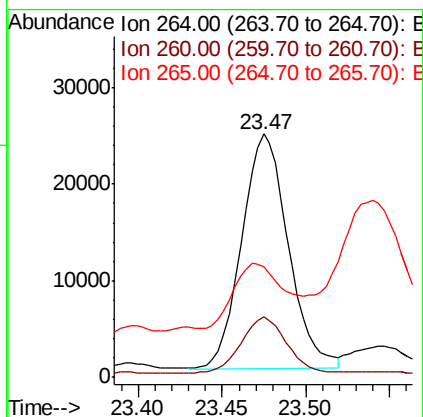
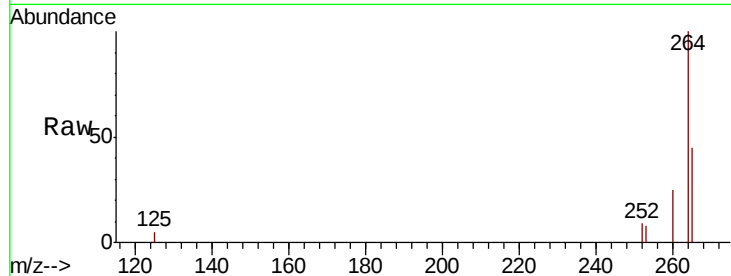
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.47 min Scan# 2601
Delta R.T. -0.02 min
Lab File: BN007884.D
Acq: 27 Sep 2019 12:54

Instrument :
BNA_N
ClientSampleId :
EXT-SW091-091819-2DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.3	28.9
265	45.5	26.9	40.3

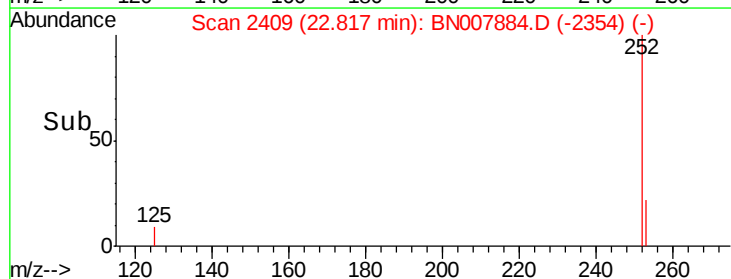
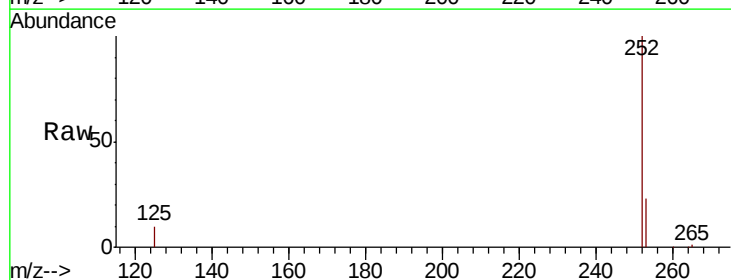
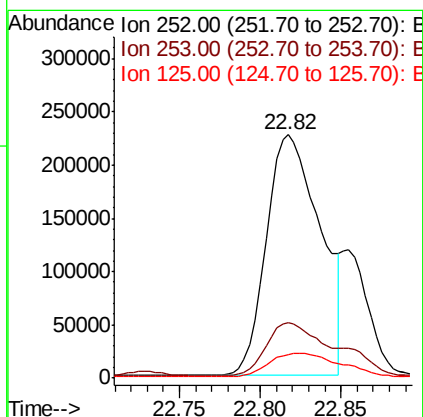
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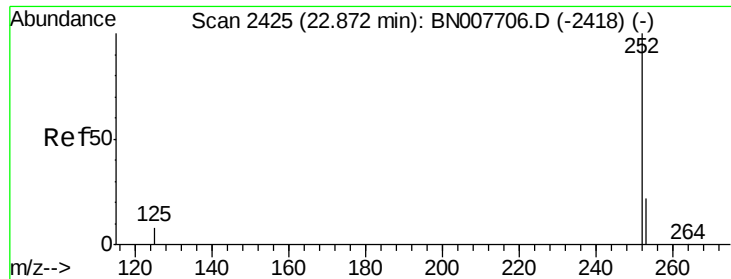
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#35
Benzo(b)fluoranthene
Concen: 3.201 ng
RT: 22.82 min Scan# 2409
Delta R.T. -0.01 min
Lab File: BN007884.D
Acq: 27 Sep 2019 12:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.3	27.5
125	9.9	8.2	12.4





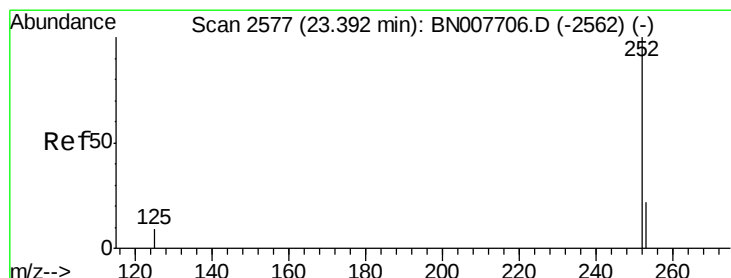
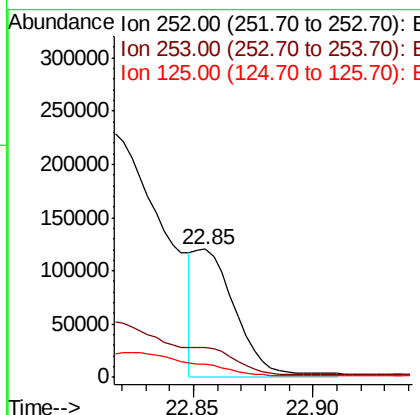
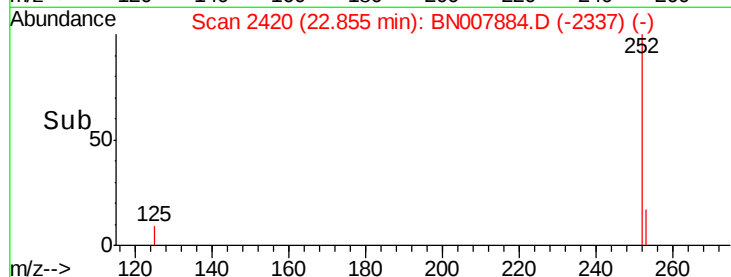
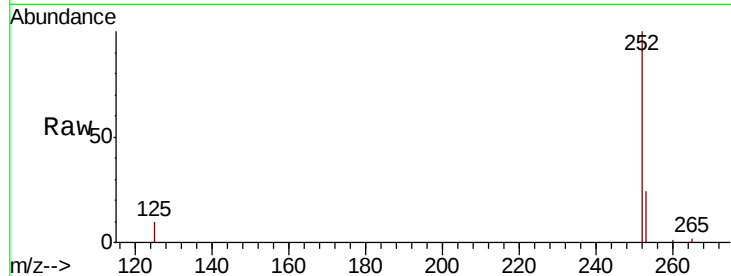
#36
Benzo(k)fluoranthene
Concen: 0.894 ng m
RT: 22.85 min Scan# 2420
Delta R.T. -0.02 min
Lab File: BN007884.D
Acq: 27 Sep 2019 12:54

Instrument :
BNA_N
ClientSampleId :
EXT-SW091-091819-2DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.5	27.7
125	9.9	8.4	12.6

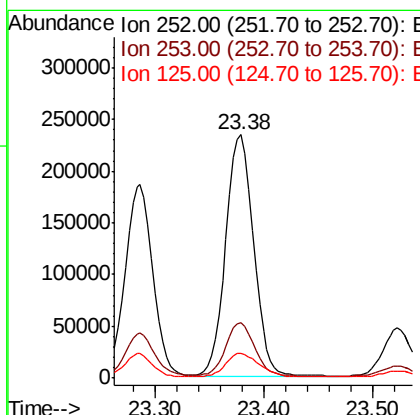
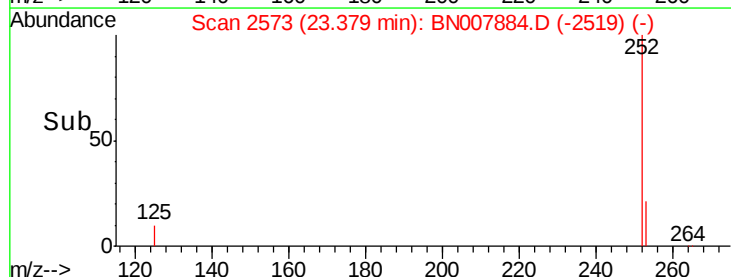
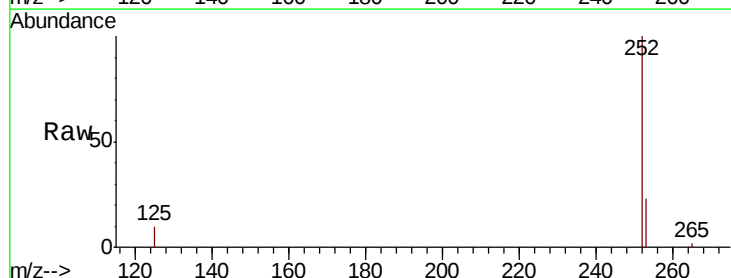
Manual Integrations
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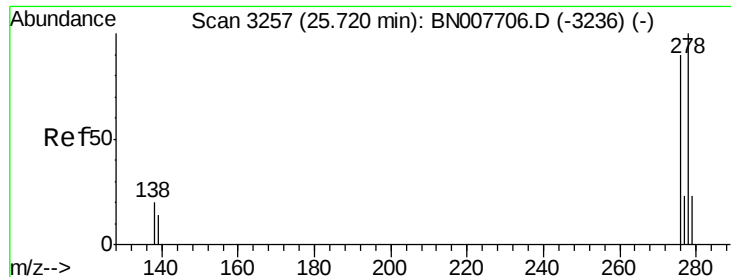
mohammad
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#37
Benzo(a)pyrene
Concen: 2.687 ng
RT: 23.38 min Scan# 2573
Delta R.T. -0.01 min
Lab File: BN007884.D
Acq: 27 Sep 2019 12:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.6	27.8
125	10.2	9.4	14.0





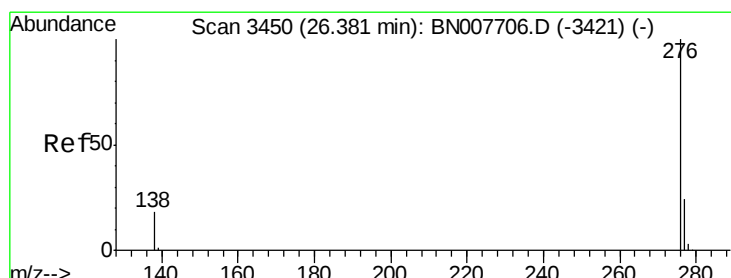
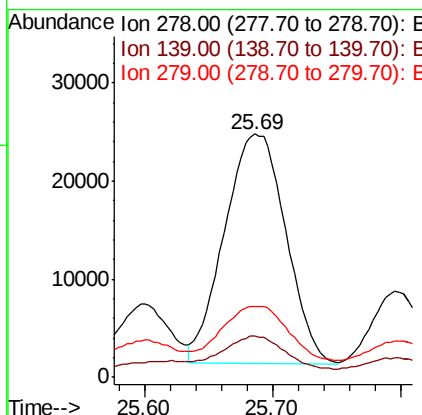
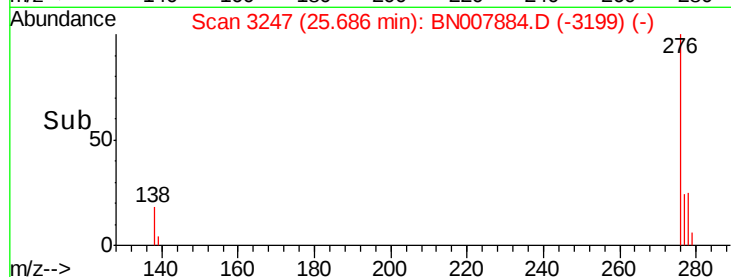
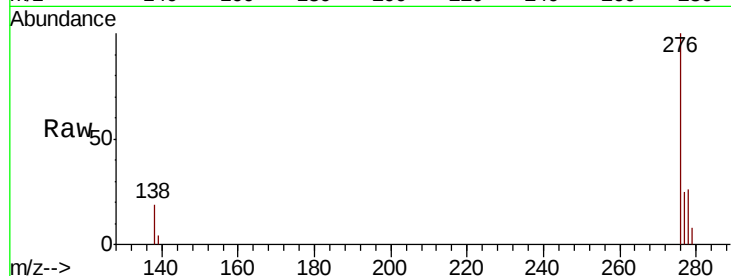
#38
Dibenzo(a,h)anthracene
Concen: 0.490 ng
RT: 25.69 min Scan# 3247
Delta R.T. -0.03 min
Lab File: BN007884.D
Acq: 27 Sep 2019 12:54

Instrument :
BNA_N
ClientSampleId :
EXT-SW091-091819-2DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.8	11.8	17.6
279	29.1	19.4	29.2

Manual Integrations
APPROVED

mohammad
9/30/2019 8:15:51 AM



#39
Benzo(g,h,i)perylene
Concen: 1.894 ng
RT: 26.36 min Scan# 3444
Delta R.T. -0.02 min
Lab File: BN007884.D
Acq: 27 Sep 2019 12:54

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.8	29.8
138	18.7	15.1	22.7

