

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100419\
 Data File : BN008010.D
 Acq On : 04 Oct 2019 19:11
 Operator : JU
 Sample : K5078-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-024-SW067-092519

Manual Integrations
 APPROVED

mohammad
 10/7/2019 8:45:25 AM

Quant Time: Oct 05 04:38:54 2019

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Oct 03 18:39:49 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	32332	0.40	ng	-0.02
7) Naphthalene-d8	10.44	136	129535	0.40	ng	-0.03
13) Acenaphthene-d10	14.30	164	70063	0.40	ng	-0.03
19) Phenanthrene-d10	17.05	188	113465	0.40	ng	-0.03
27) Chrysene-d12	21.25	240	100357	0.40	ng	-0.02
34) Perylene-d12	23.46	264	145991	0.40	ng	-0.03

System Monitoring Compounds

4) 2-Fluorophenol	5.31	112	15105	0.14	ng	0.00
5) Phenol-d6	6.86	99	20147	0.14	ng	0.00
8) Nitrobenzene-d5	8.81	82	19389	0.17	ng	-0.03
11) 2-Methylnaphthalene-d10	12.04	152	35212	0.16	ng	-0.03
14) 2,4,6-Tribromophenol	15.79	330	4774	0.13	ng	-0.03
15) 2-Fluorobiphenyl	12.92	172	46788	0.16	ng	-0.03
25) Fluoranthene-d10	19.09	212	47969	0.13	ng	-0.02
29) Terphenyl-d14	19.69	244	38741	0.16	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.49	128	8932	0.025	ng	# 91
12) 2-Methylnaphthalene	12.11	142	8084	0.033	ng	# 95
16) Acenaphthylene	14.02	152	156246	0.420	ng	99
17) Acenaphthene	14.37	154	13771	0.057	ng	99
18) Fluorene	15.36	166	28776	0.094	ng	# 84
22) Pentachlorophenol	16.71	266	794	0.029	ng	96
23) Phenanthrene	17.09	178	469316	1.328	ng	100
24) Anthracene	17.18	178	162216	0.508	ng	98
26) Fluoranthene	19.11	202	896356	2.039	ng	99
28) Pvrene	19.48	202	897147	2.621	ng	# 96
30) Benzo(a)anthracene	21.23	228	494856	1.339	ng	95
31) Chrysene	21.28	228	586205	1.628	ng	97
32) Bis(2-ethylhexyl)phthalate	21.18	149	194282m	1.022	ng	
33) Indeno(1,2,3-cd)pyrene	25.66	276	510545	1.132	ng	# 95
35) Benzo(b)fluoranthene	22.80	252	899143	1.774	ng	99
36) Benzo(k)fluoranthene	22.84	252	329544m	0.658	ng	
37) Benzo(a)pvrene	23.36	252	615406	1.292	ng	99
38) Dibenzo(a,h)anthracene	25.67	278	129804	0.266	ng	# 89
39) Benzo(g,h,i)perylene	26.34	276	525905	1.091	ng	99

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

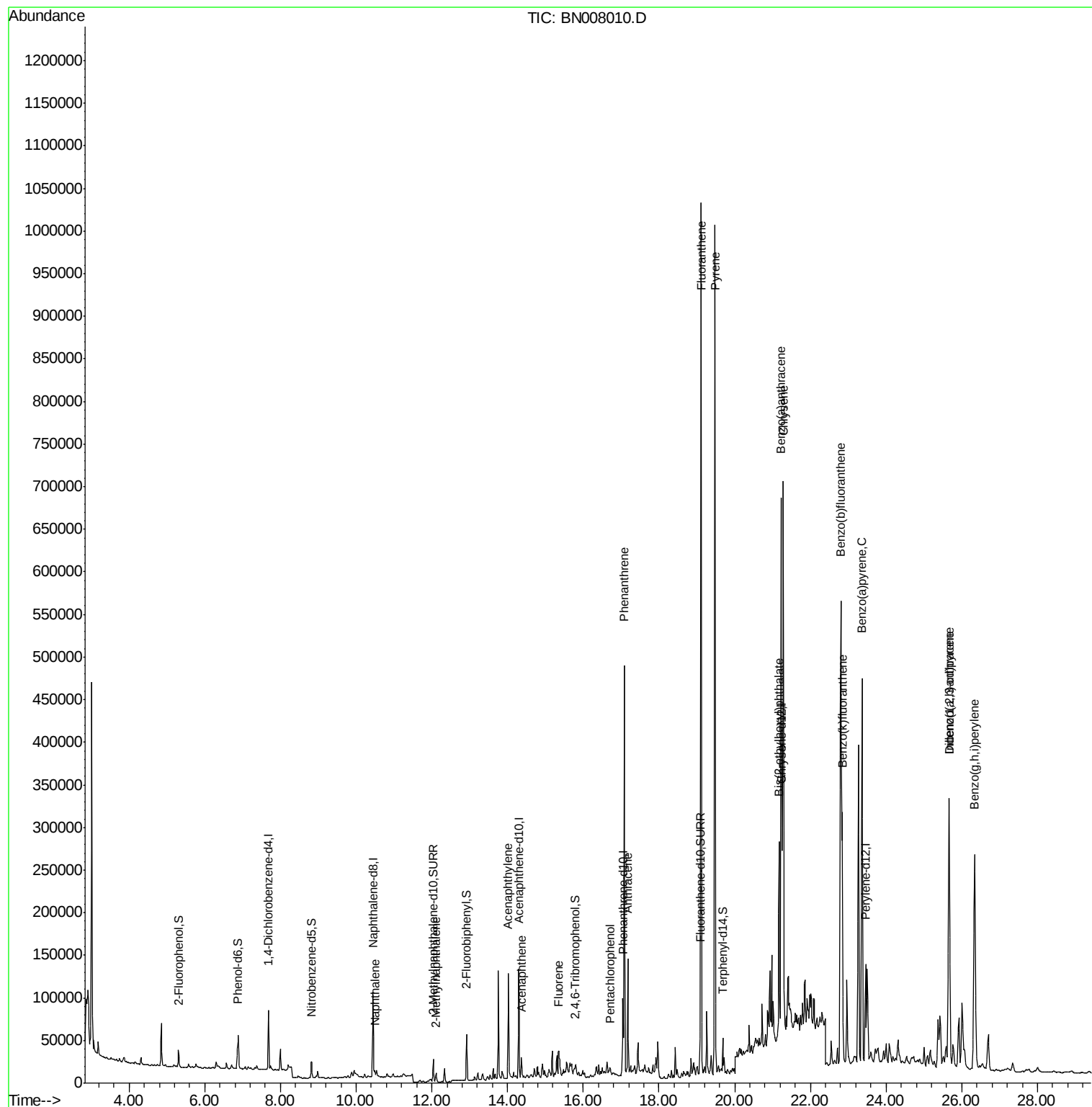
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100419\
Data File : BN008010.D
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Misc :
ALS Vial : 8 Sample Multiplier: 1

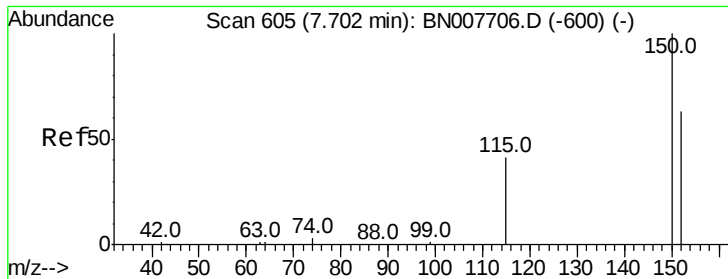
Instrument :
BNA_N
ClientSampleId :
EXT-024-SW067-092519

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Quant Time: Oct 05 04:38:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 03 18:39:49 2019
Response via : Initial Calibration





#1

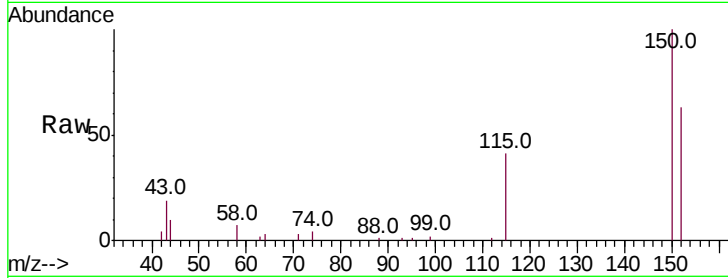
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.68 min Scan# 602
Delta R.T. -0.02 min
Lab File: BN008010.D
Acq: 04 Oct 2019 19:11

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW067-092519

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	125.6	188.4
115	64.6	53.3	79.9

Manual Integrations
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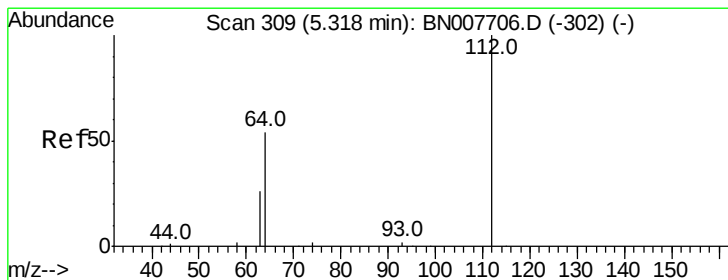
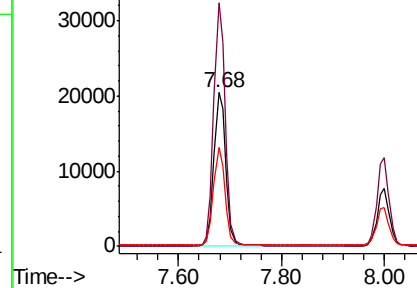
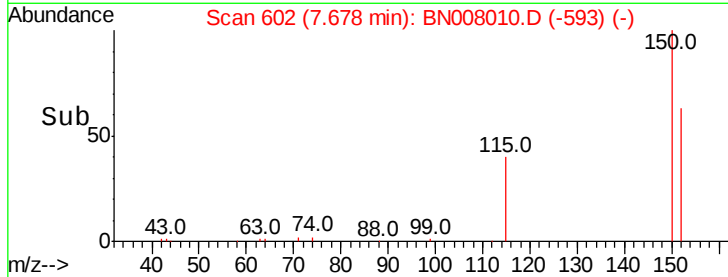


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

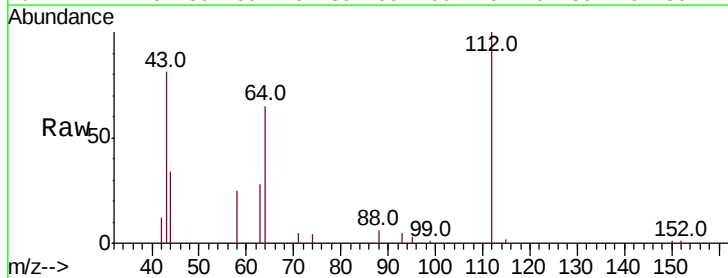
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.136 ng
RT: 5.31 min Scan# 308
Delta R.T. -0.01 min
Lab File: BN008010.D
Acq: 04 Oct 2019 19:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.2	46.6	70.0
63	28.2	23.1	34.7

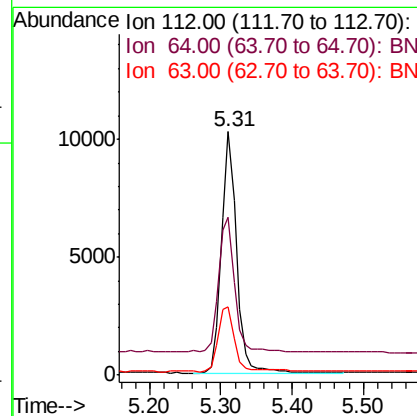
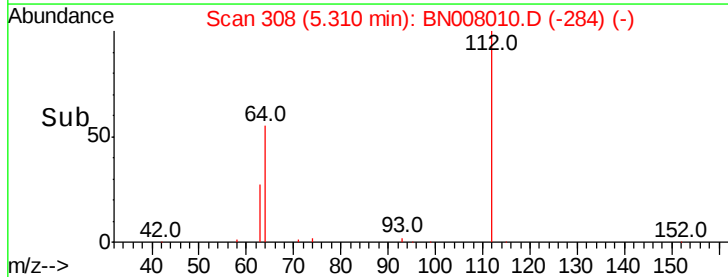


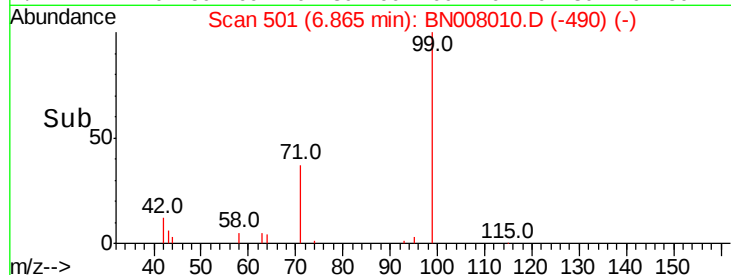
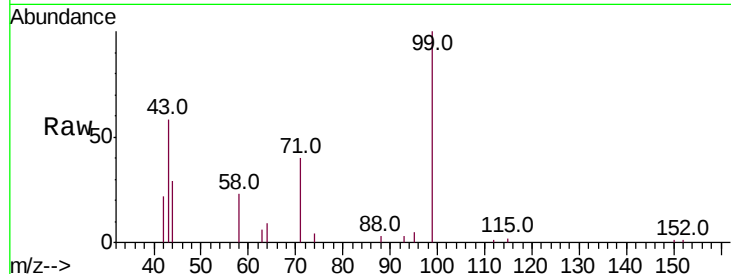
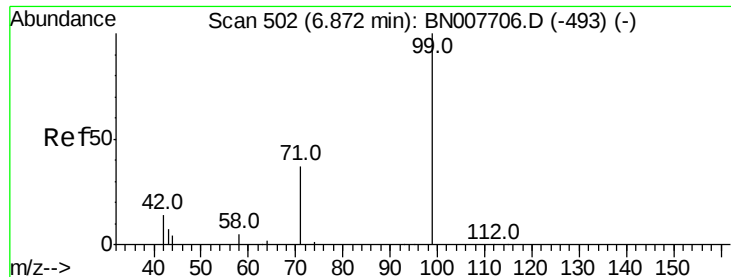
Abundance

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: 0.141 ng

RT: 6.86 min Scan# 501

Delta R.T. -0.01 min

Lab File: BN008010.D

Acq: 04 Oct 2019 19:11

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		20147		
42	23.5	12.8	19.2#		
71	36.7	27.6	41.4		

Instrument :

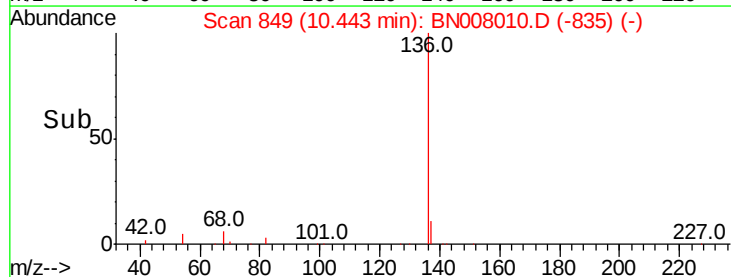
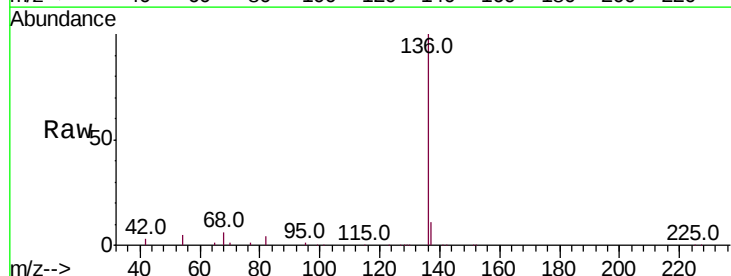
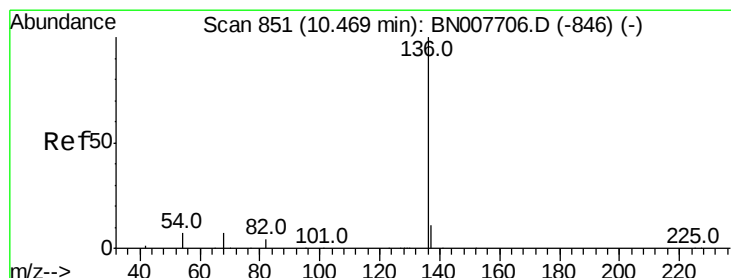
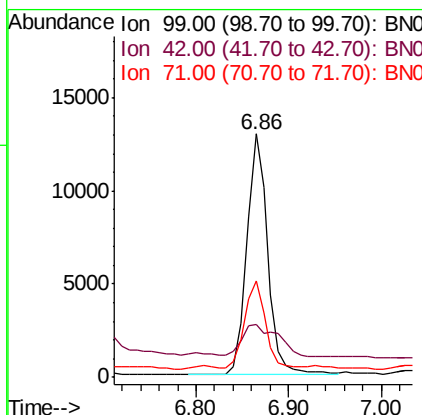
BNA_N

ClientSampleId :

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#7

Naphthalene-d8

Concen: 0.400 ng

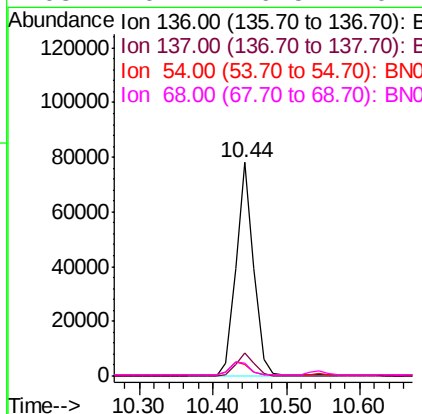
RT: 10.44 min Scan# 849

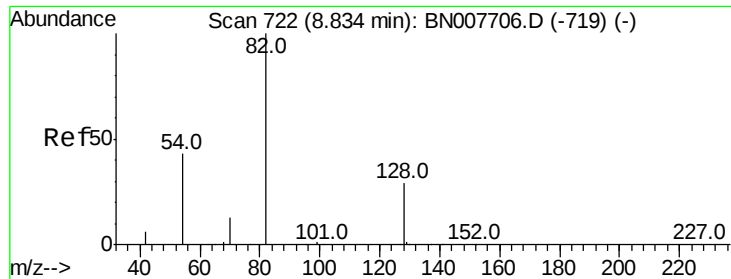
Delta R.T. -0.03 min

Lab File: BN008010.D

Acq: 04 Oct 2019 19:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		129535		
137	11.1	9.2	13.8		
54	5.4	5.8	8.8#		
68	6.2	6.5	9.7#		





#8

Nitrobenzene-d5

Concen: 0.171 ng

RT: 8.81 min Scan# 720

Delta R.T. -0.03 min

Lab File: BN008010.D

Acq: 04 Oct 2019 19:11

Instrument :

BNA_N

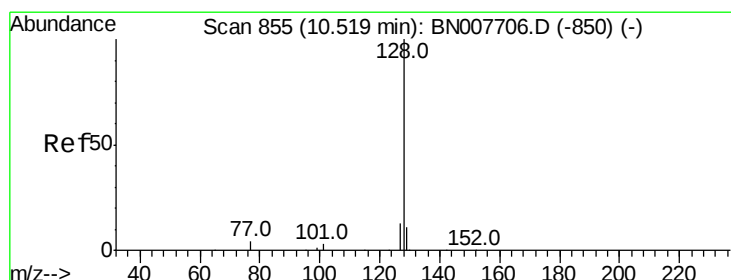
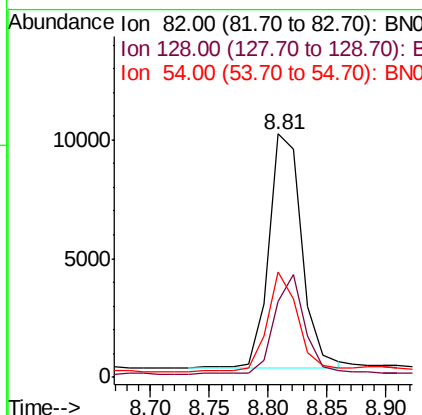
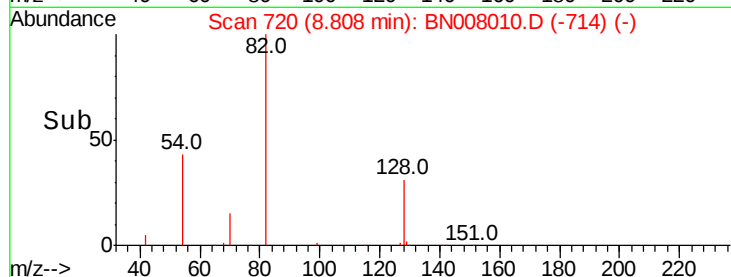
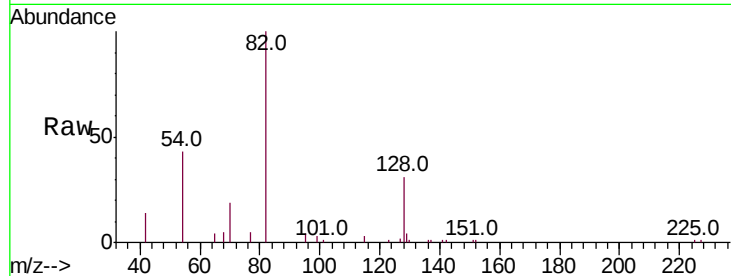
ClientSampleId :

EXT-024-SW067-092519

Tot Ion:	82	Resp:	19389
Ion Ratio	Lower	Upper	
82	100		
128	31.2	24.5	36.7
54	43.4	35.2	52.8

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#9

Naphthalene

Concen: 0.025 ng

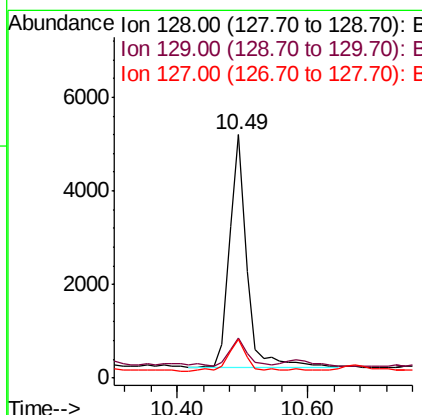
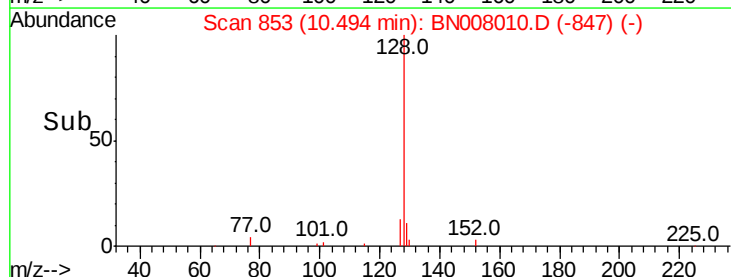
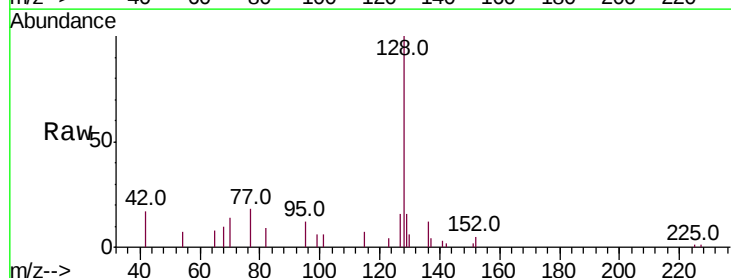
RT: 10.49 min Scan# 853

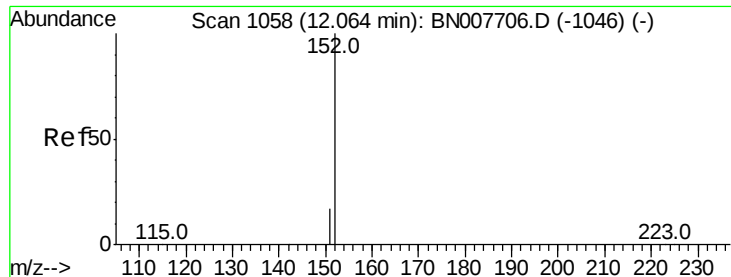
Delta R.T. -0.03 min

Lab File: BN008010.D

Acq: 04 Oct 2019 19:11

Tgt Ion:	128	Resp:	8932
Ion Ratio	Lower	Upper	
128	100		
129	16.4	9.1	13.7#
127	15.8	10.6	15.8





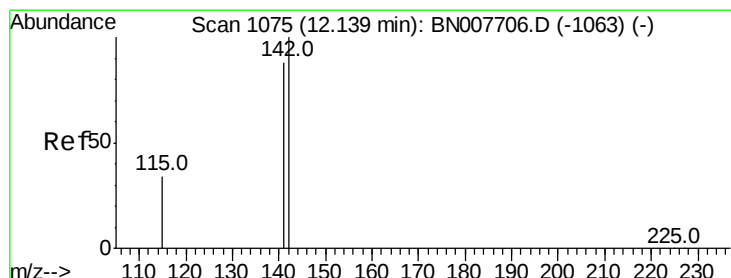
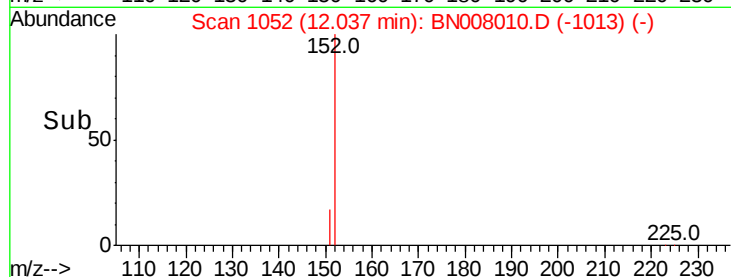
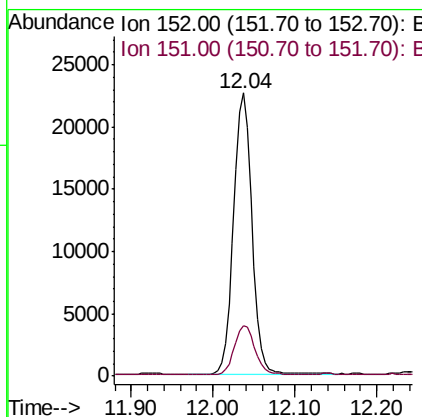
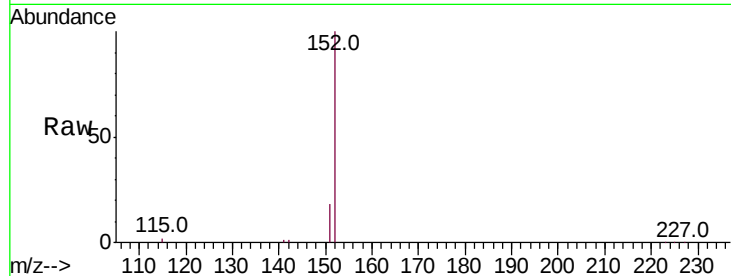
#11
2-Methylnaphthalene-d10
Concen: 0.161 ng
RT: 12.04 min Scan# 1052
Delta R.T. -0.03 min
Lab File: BN008010.D
Acq: 04 Oct 2019 19:11

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW067-092519

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.4	23.2

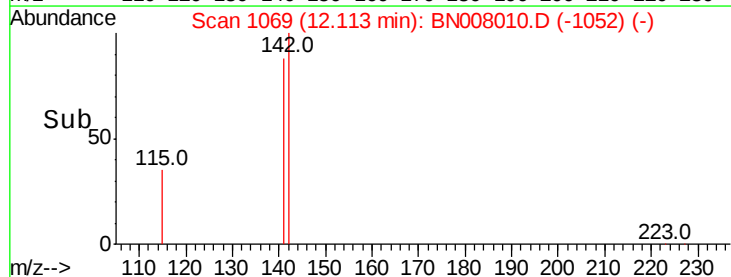
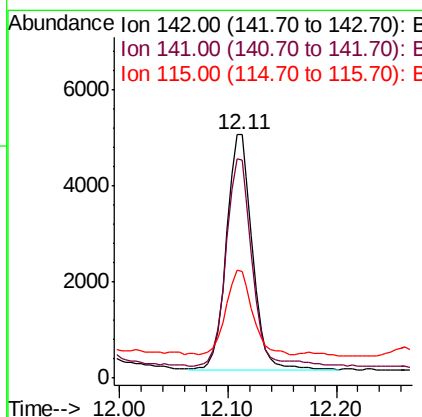
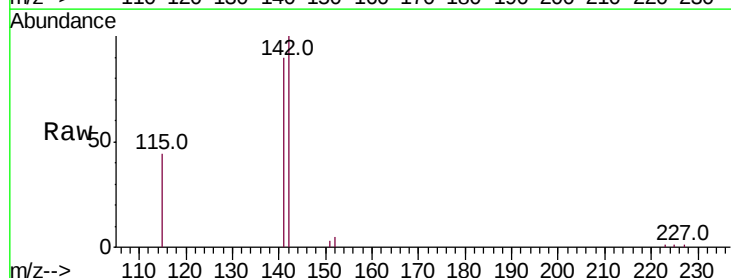
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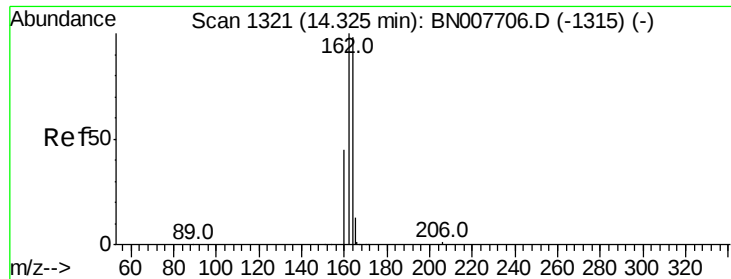
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#12
2-Methylnaphthalene
Concen: 0.033 ng
RT: 12.11 min Scan# 1069
Delta R.T. -0.03 min
Lab File: BN008010.D
Acq: 04 Oct 2019 19:11

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.6	70.6	106.0
115	43.9	28.3	42.5#





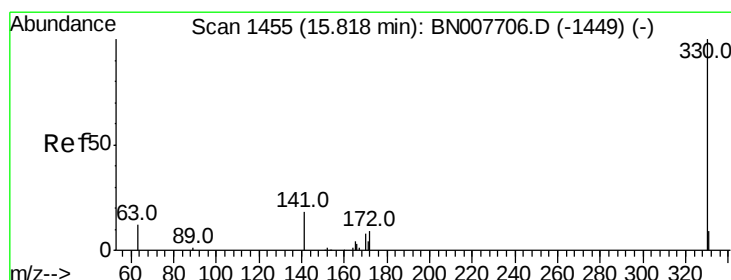
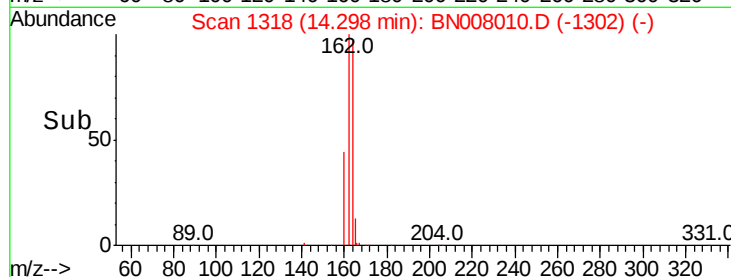
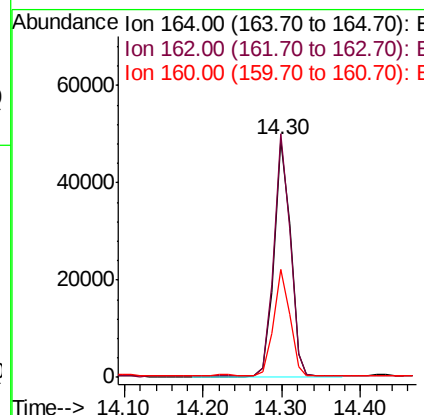
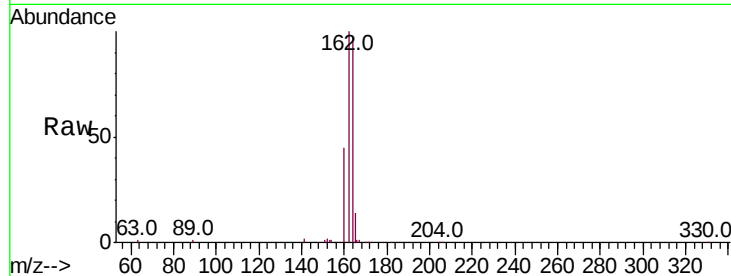
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.30 min Scan# 1318
Delta R.T. -0.03 min
Lab File: BN008010.D
Acq: 04 Oct 2019 19:11

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW067-092519

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.7	122.5
160	45.7	37.0	55.4

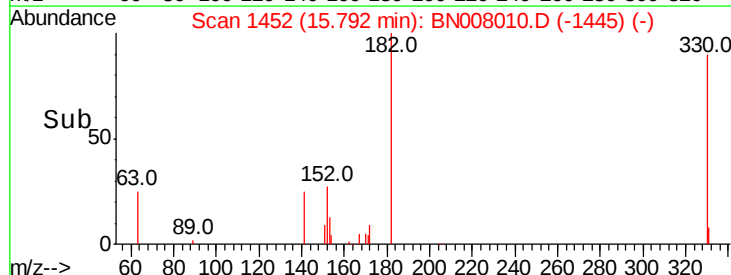
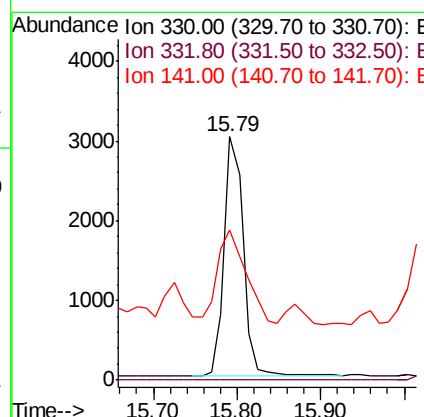
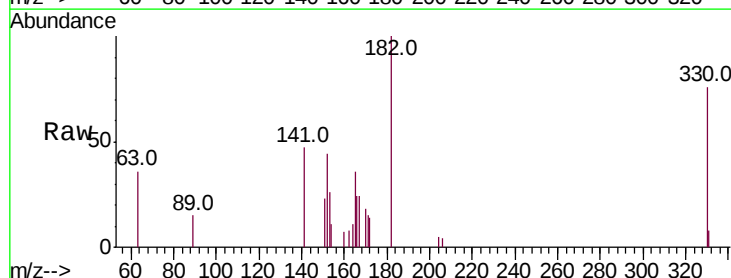
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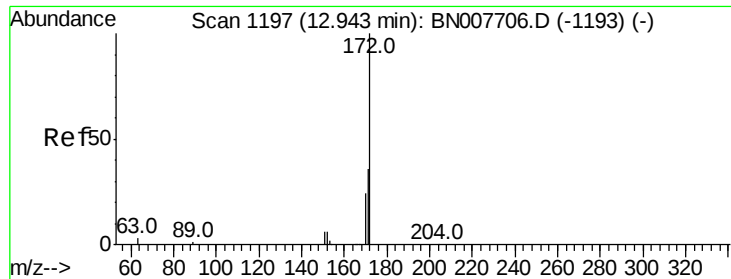
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#14
2,4,6-Tribromophenol
Concen: 0.125 ng
RT: 15.79 min Scan# 1452
Delta R.T. -0.03 min
Lab File: BN008010.D
Acq: 04 Oct 2019 19:11

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	58.5	28.7	43.1#





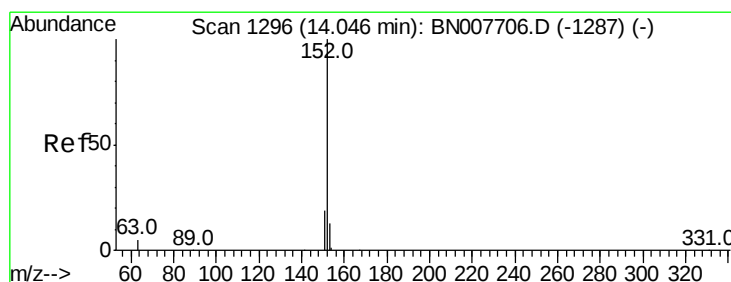
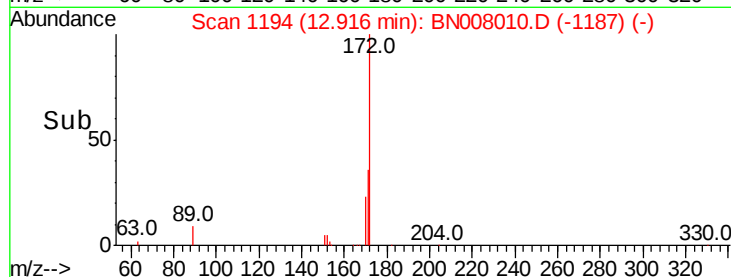
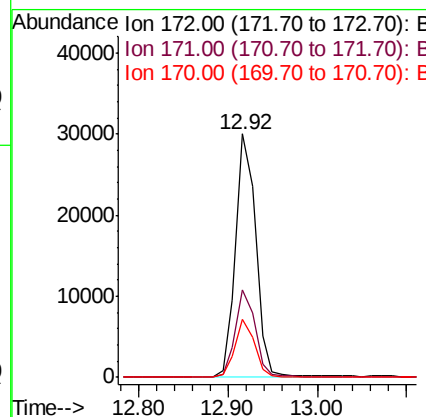
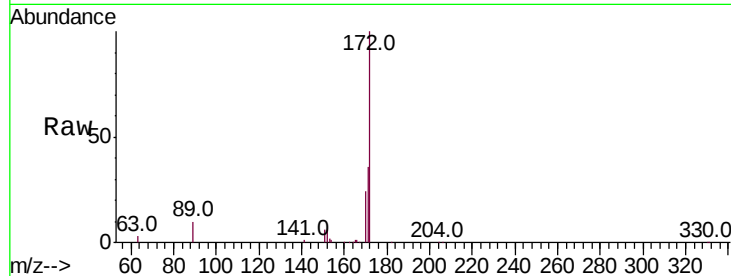
#15
2-Fluorobiphenyl
Concen: 0.162 ng
RT: 12.92 min Scan# 1194
Delta R.T. -0.03 min
Lab File: BN008010.D
Acq: 04 Oct 2019 19:11

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW067-092519

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.8	43.2
170	23.7	19.5	29.3

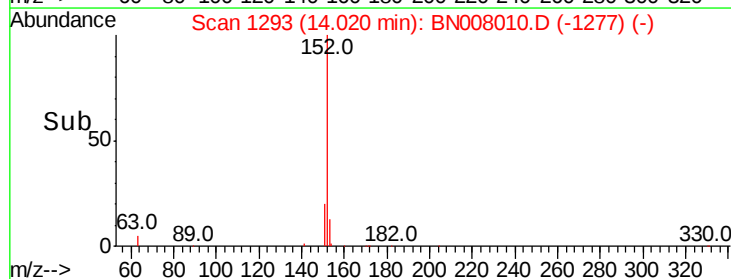
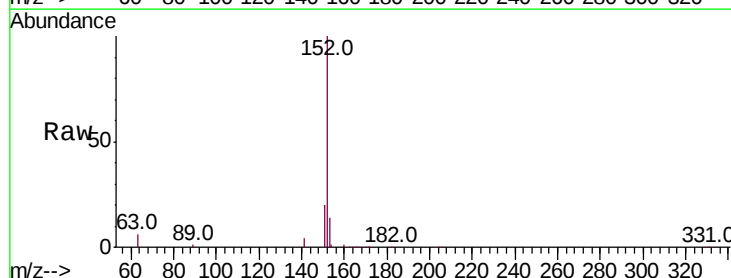
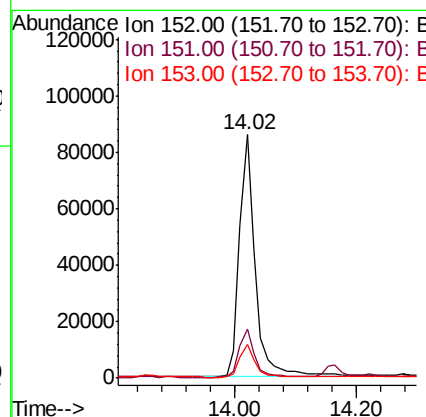
Manual Integrations
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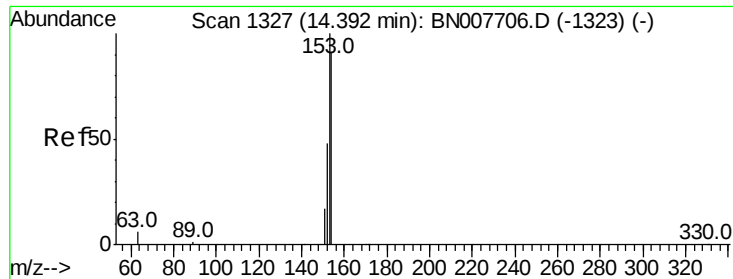
mohammad
10/7/2019 8:45:25 AM



#16
Acenaphthylene
Concen: 0.420 ng
RT: 14.02 min Scan# 1293
Delta R.T. -0.03 min
Lab File: BN008010.D
Acq: 04 Oct 2019 19:11

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.5	23.3
153	13.2	10.4	15.6





#17

Acenaphthene

Concen: 0.057 ng

RT: 14.37 min Scan# 1324

Delta R.T. -0.03 min

Lab File: BN008010.D

Acq: 04 Oct 2019 19:11

Instrument :

BNA_N

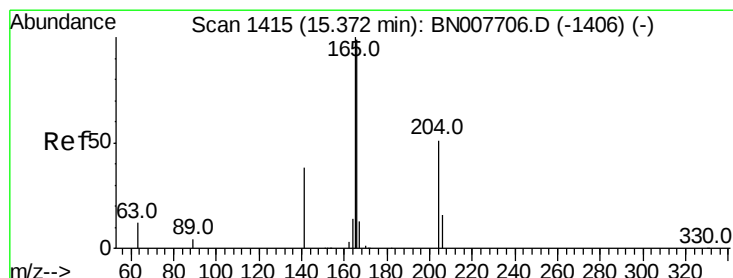
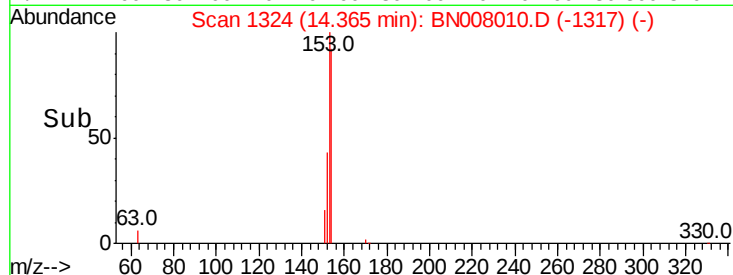
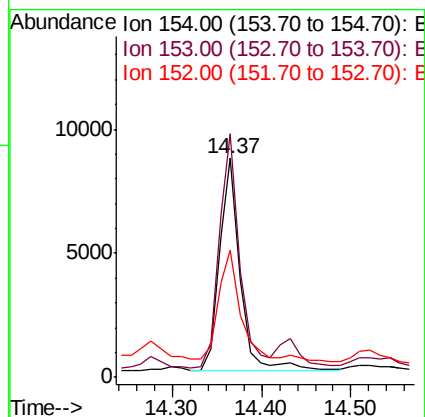
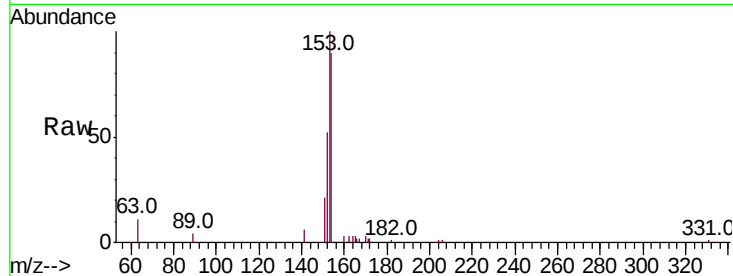
ClientSampleId :

EXT-024-SW067-092519

Tot Ion:	154	Resp:	13771
Ion Ratio	Lower	Upper	
154	100		
153	110.8	87.0	130.4
152	53.2	42.7	64.1

Manual Integrations
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#18

Fluorene

Concen: 0.094 ng

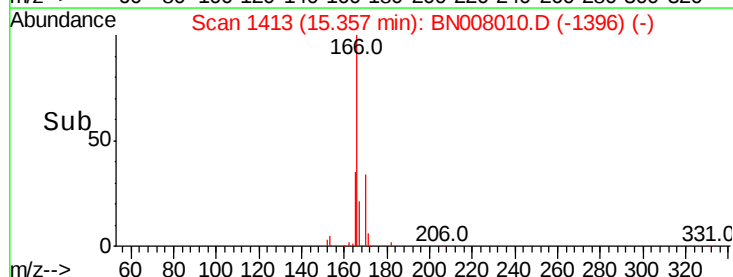
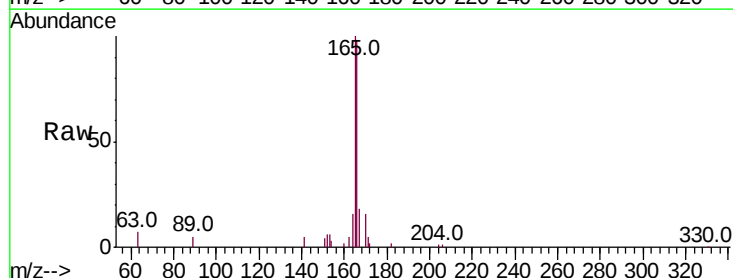
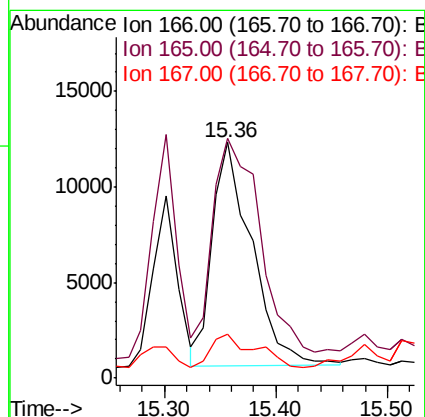
RT: 15.36 min Scan# 1413

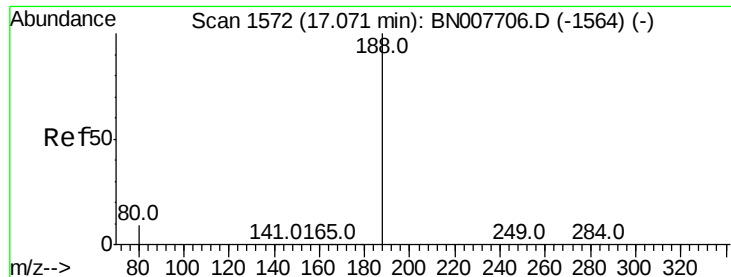
Delta R.T. -0.02 min

Lab File: BN008010.D

Acq: 04 Oct 2019 19:11

Tgt Ion:	166	Resp:	28776
Ion Ratio	Lower	Upper	
166	100		
165	114.9	78.0	117.0
167	16.6	10.9	16.3#





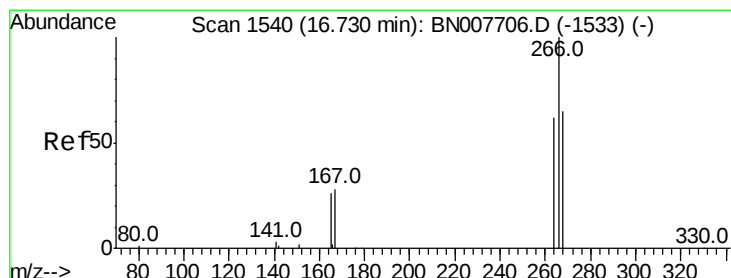
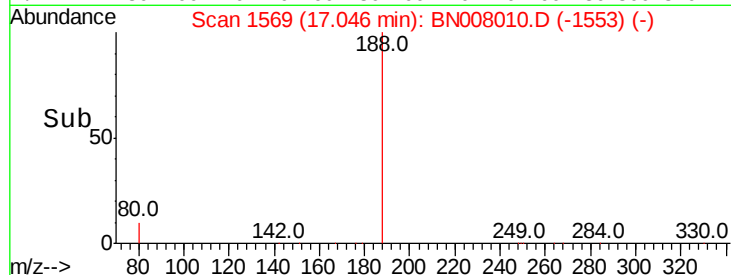
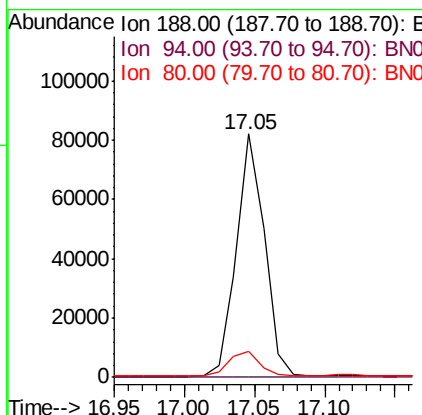
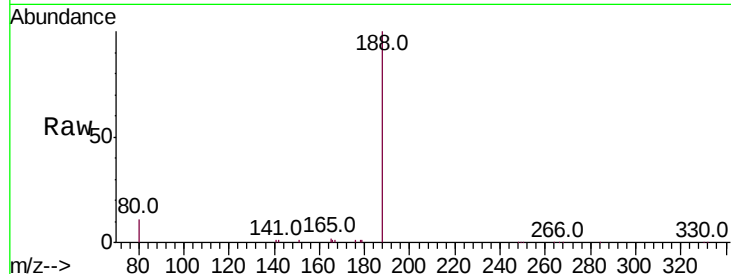
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1569
Delta R.T. -0.03 min
Lab File: BN008010.D
Acq: 04 Oct 2019 19:11

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW067-092519

Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.5	7.4	11.2

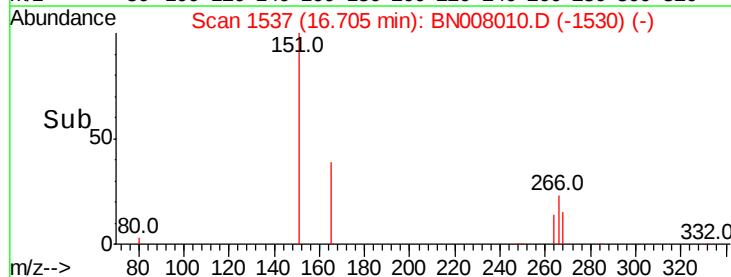
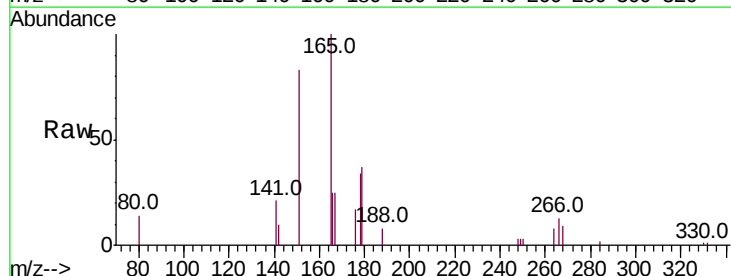
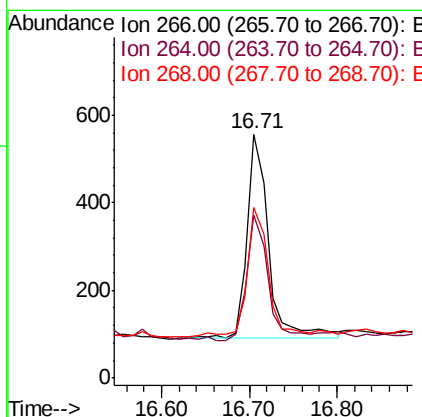
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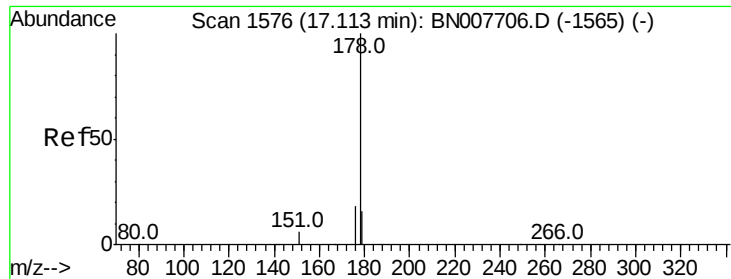
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#22
Pentachlorophenol
Concen: 0.029 ng
RT: 16.71 min Scan# 1537
Delta R.T. -0.03 min
Lab File: BN008010.D
Acq: 04 Oct 2019 19:11

Tgt Ion	Ratio	Lower	Upper
266	100		
264	66.9	50.0	75.0
268	70.1	54.2	81.4





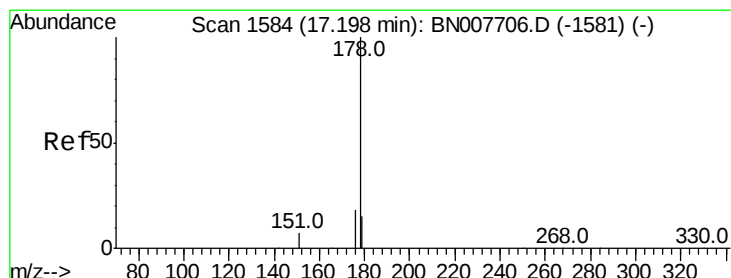
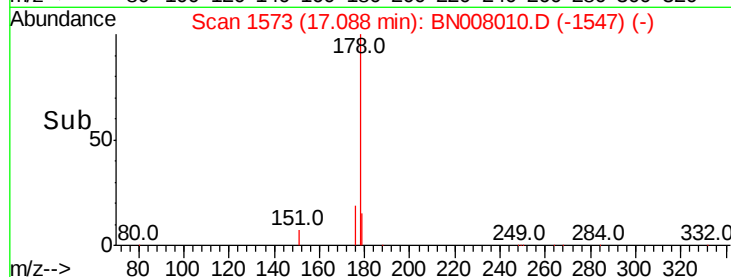
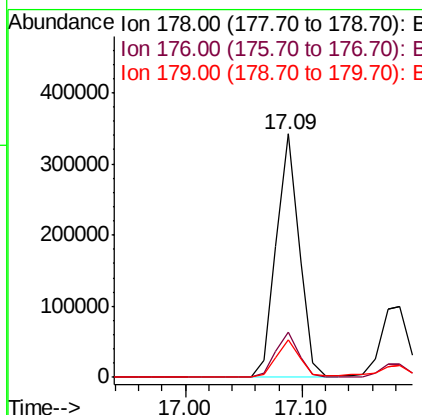
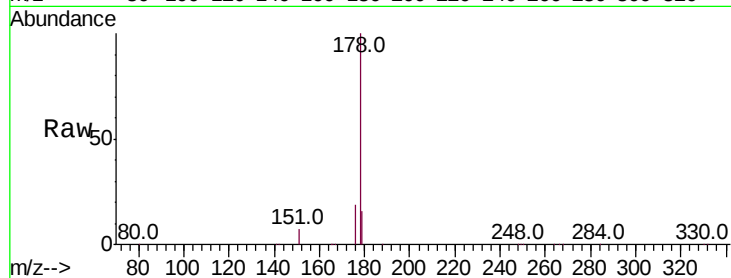
#23
Phenanthrene
Concen: 1.328 ng
RT: 17.09 min Scan# 1573
Delta R.T. -0.03 min
Lab File: BN008010.D
Acq: 04 Oct 2019 19:11

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW067-092519

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	15.6	12.5	18.7

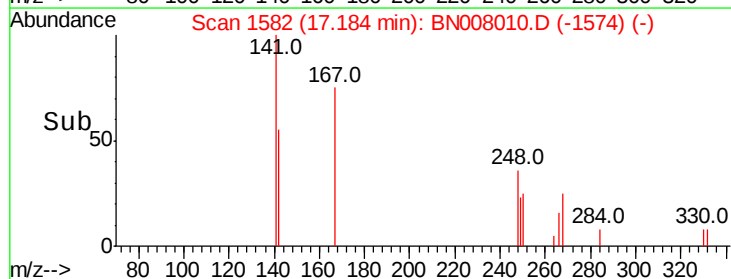
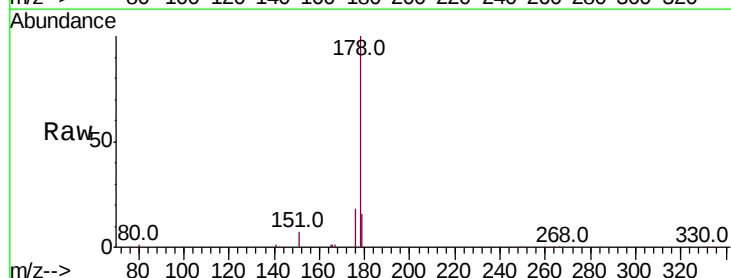
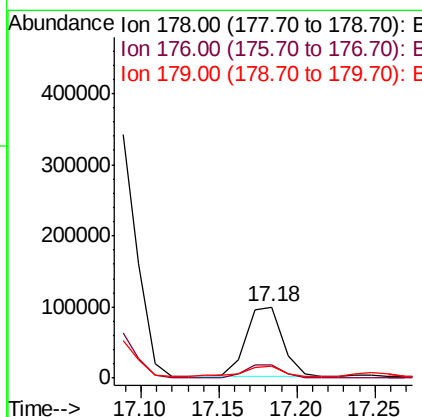
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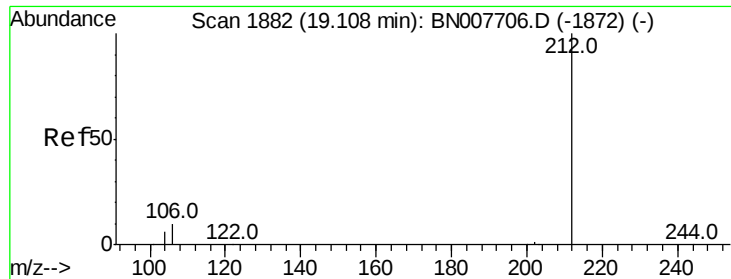
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#24
Anthracene
Concen: 0.508 ng
RT: 17.18 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BN008010.D
Acq: 04 Oct 2019 19:11

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.6	21.8
179	16.7	12.2	18.4





#25

Fluoranthene-d10

Concen: 0.125 ng

RT: 19.09 min Scan# 1876

Delta R.T. -0.02 min

Lab File: BN008010.D

Acq: 04 Oct 2019 19:11

Instrument :

BNA_N

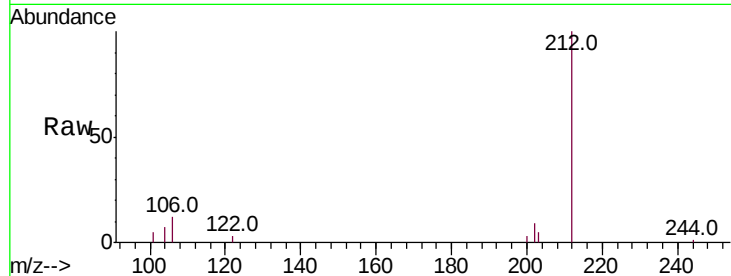
ClientSampleId :

EXT-024-SW067-092519

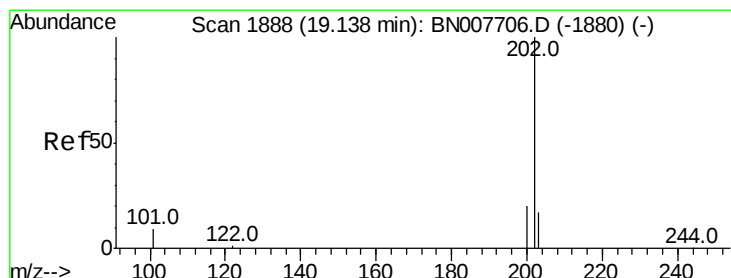
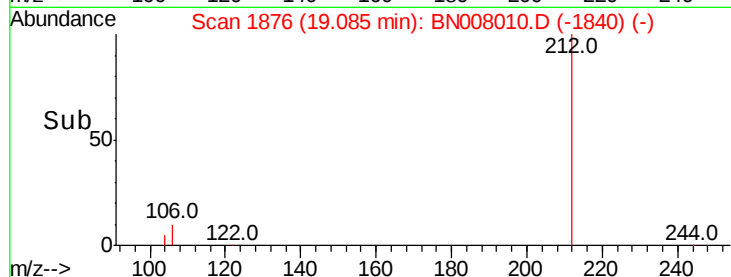
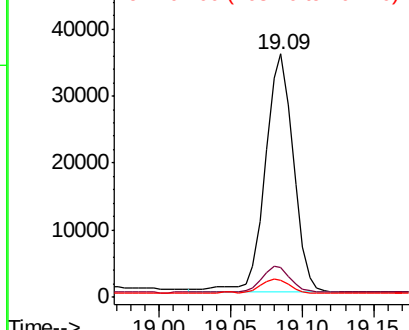
Tot Ion:	212	Resp:	47969
Ion Ratio	Lower	Upper	
212	100		
106	11.5	9.4	14.0
104	7.2	5.3	7.9

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Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 2.039 ng

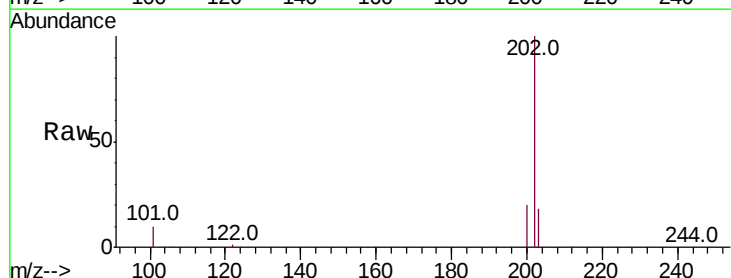
RT: 19.11 min Scan# 1882

Delta R.T. -0.02 min

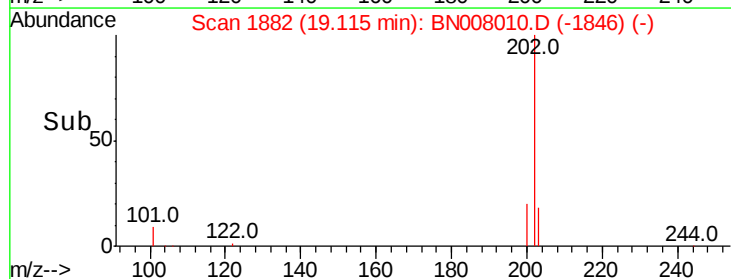
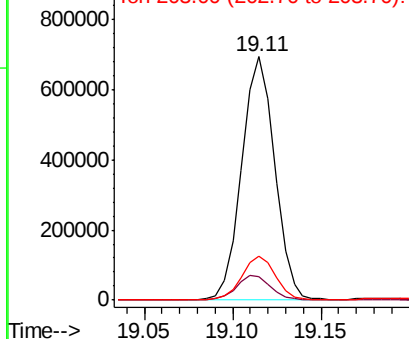
Lab File: BN008010.D

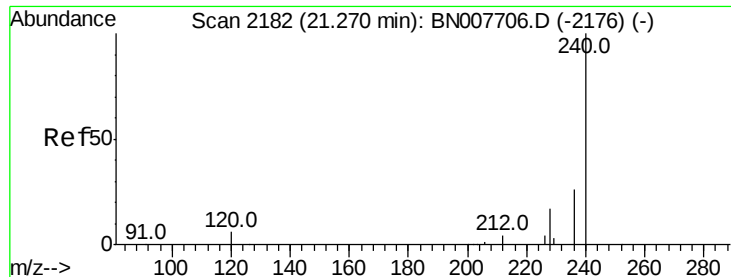
Acq: 04 Oct 2019 19:11

Tgt Ion:	202	Resp:	896356
Ion Ratio	Lower	Upper	
202	100		
101	10.5	8.4	12.6
203	17.8	13.8	20.8



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





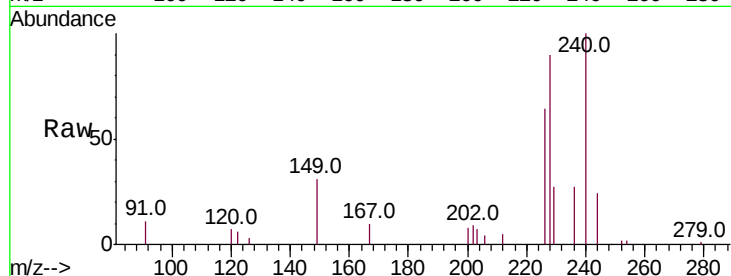
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 2179
Delta R.T. -0.02 min
Lab File: BN008010.D
Acq: 04 Oct 2019 19:11

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW067-092519

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.6	5.4	8.2
236	27.2	21.0	31.4

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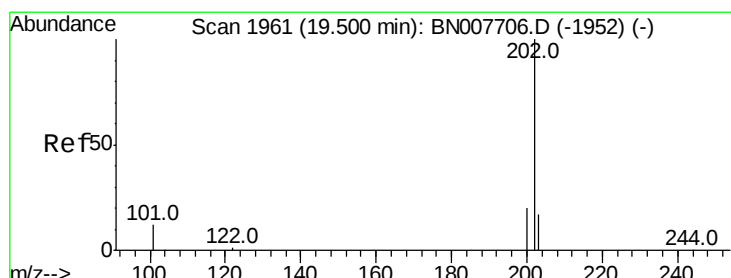
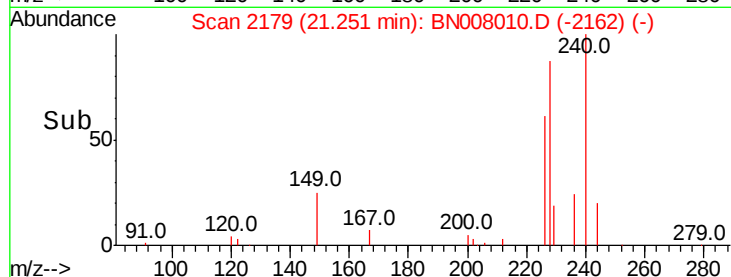
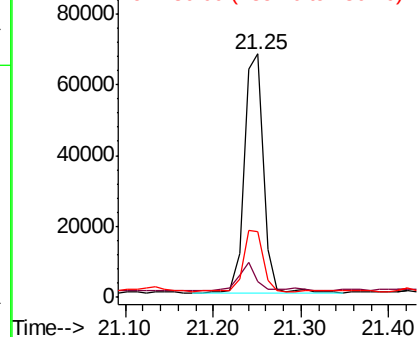


Abundance

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: 2.621 ng
RT: 19.48 min Scan# 1955
Delta R.T. -0.02 min
Lab File: BN008010.D
Acq: 04 Oct 2019 19:11

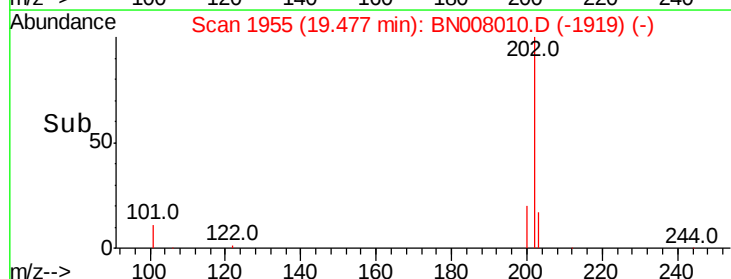
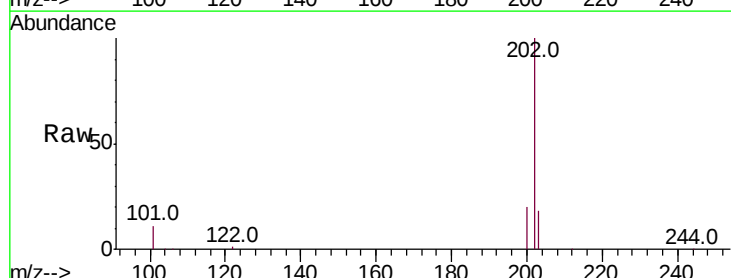
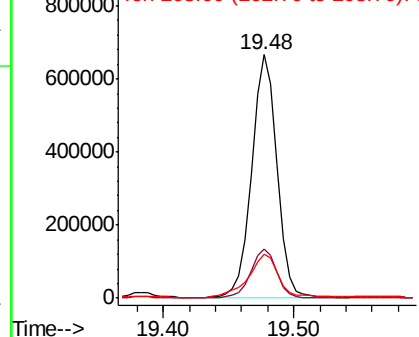
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.4	24.6
203	21.2	14.1	21.1#

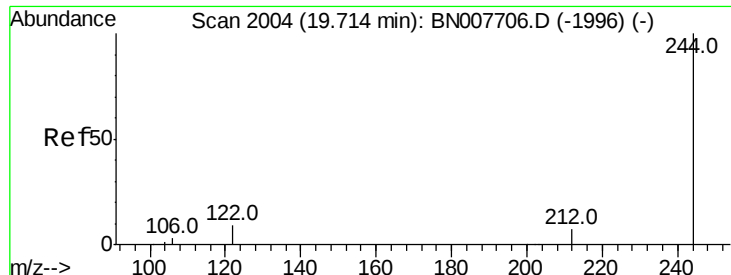
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.157 ng

RT: 19.69 min Scan# 1998

Delta R.T. -0.02 min

Lab File: BN008010.D

Acq: 04 Oct 2019 19:11

Instrument :

BNA_N

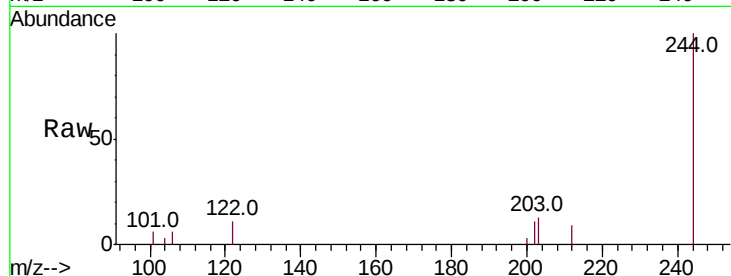
ClientSampleId :

EXT-024-SW067-092519

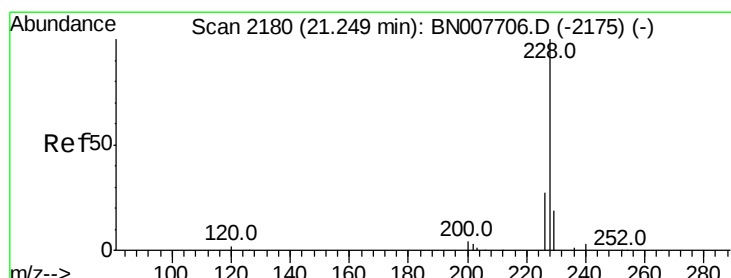
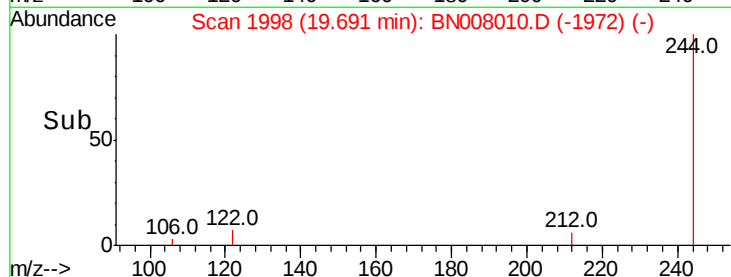
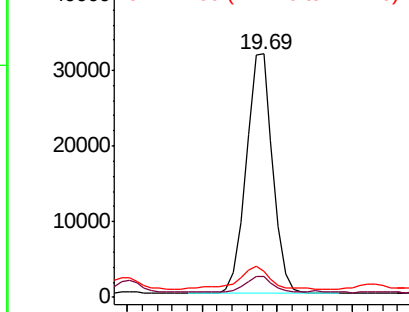
Tot Ion:	244	Resp:	38741
Ion Ratio	Lower	Upper	
244	100		
212	8.6	5.9	8.9
122	10.9	7.4	11.2

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 1.339 ng

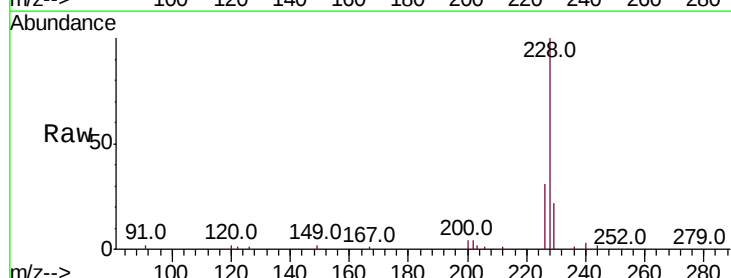
RT: 21.23 min Scan# 2177

Delta R.T. -0.02 min

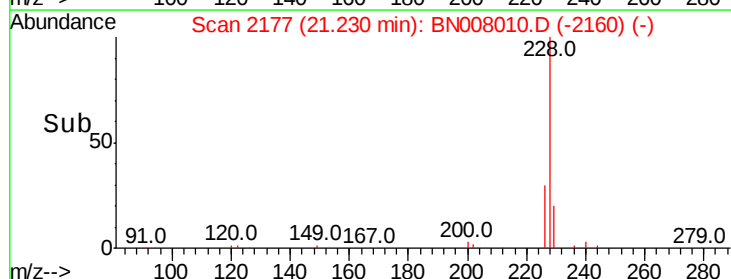
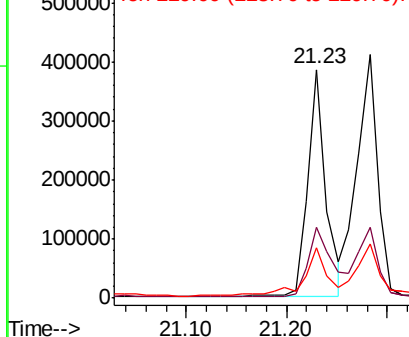
Lab File: BN008010.D

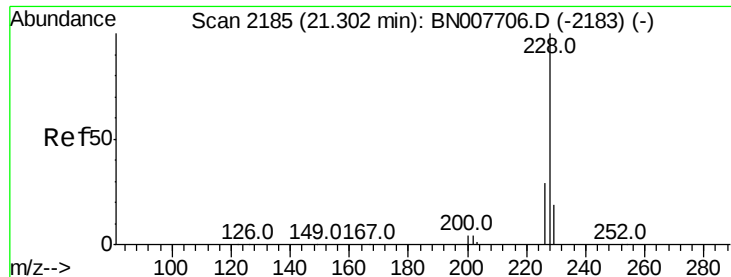
Acq: 04 Oct 2019 19:11

Tgt Ion:	228	Resp:	494856
Ion Ratio	Lower	Upper	
228	100		
226	30.7	22.1	33.1
229	21.8	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





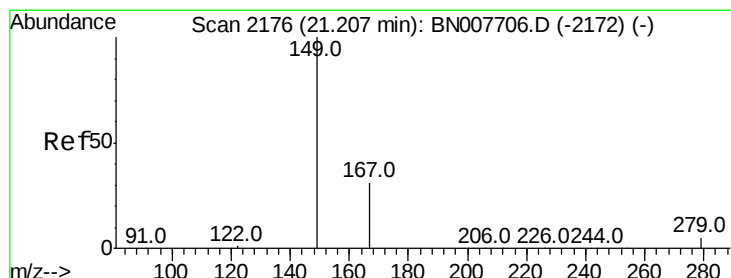
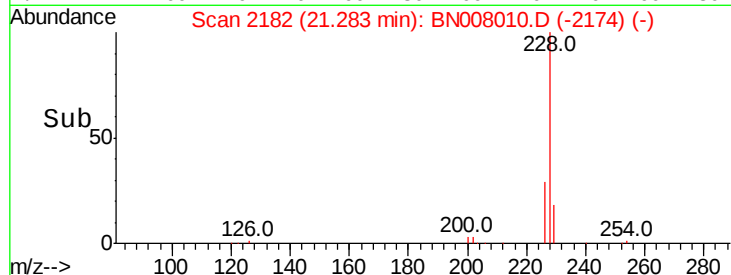
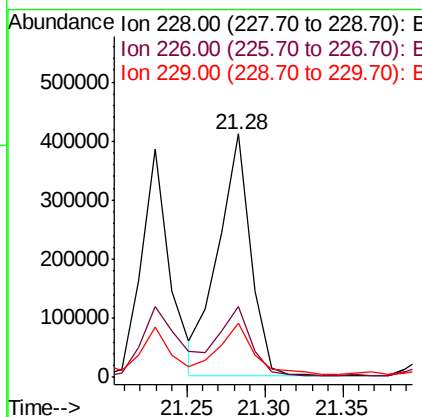
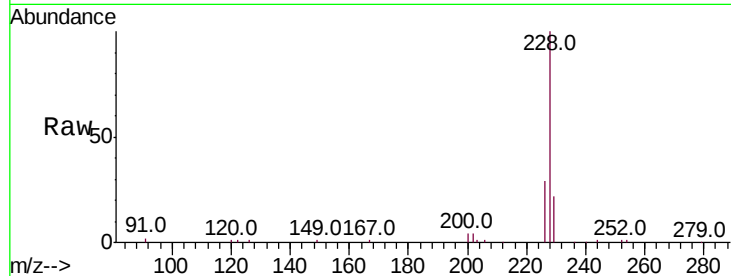
#31
Chrysene
Concen: 1.628 ng
RT: 21.28 min Scan# 2182
Delta R.T. -0.02 min
Lab File: BN008010.D
Acq: 04 Oct 2019 19:11

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW067-092519

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.9	35.9
229	22.3	15.8	23.6

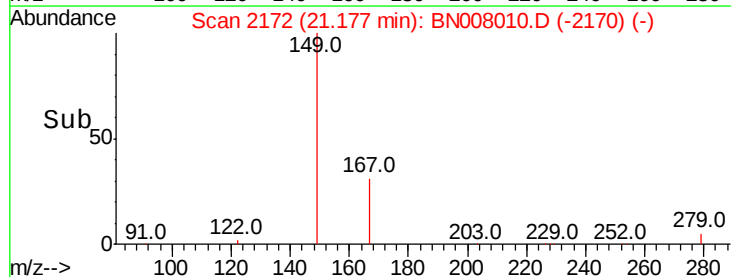
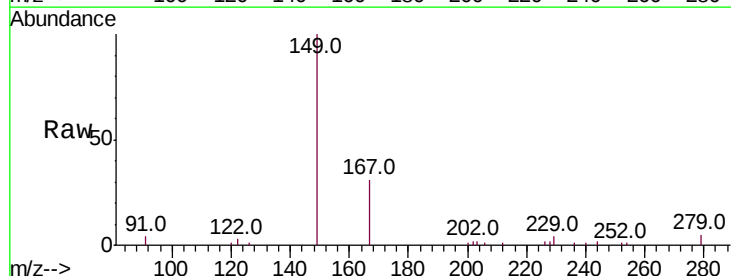
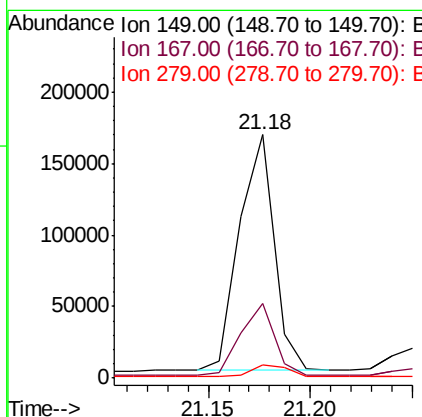
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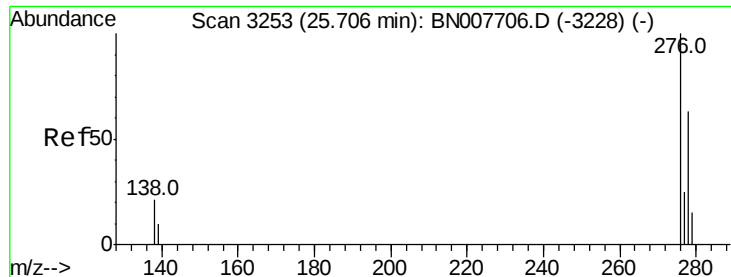
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#32
Bis(2-ethylhexyl)phthalate
Concen: 1.022 ng m
RT: 21.18 min Scan# 2172
Delta R.T. -0.03 min
Lab File: BN008010.D
Acq: 04 Oct 2019 19:11

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.9	23.7	35.5
279	5.3	4.2	6.2





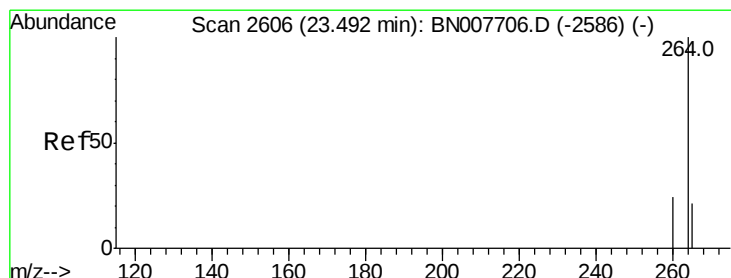
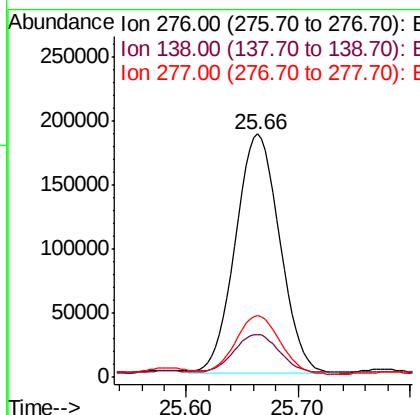
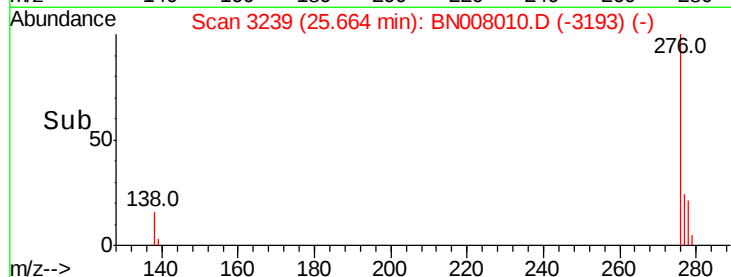
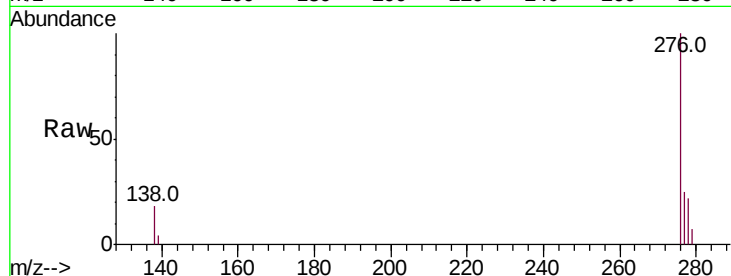
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 1.132 ng
 RT: 25.66 min Scan# 3239
 Delta R.T. -0.04 min
 Lab File: BN008010.D
 Acq: 04 Oct 2019 19:11

Instrument :
 BNA_N
 ClientSampleId :
 EXT-024-SW067-092519

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.6	17.1	25.7#
277	24.8	20.0	30.0

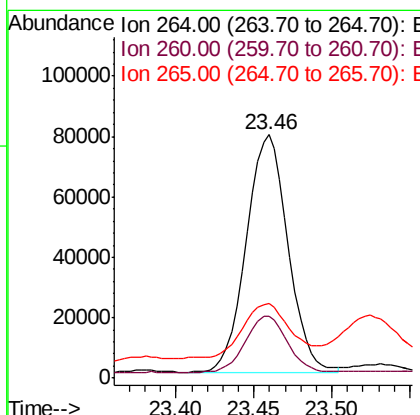
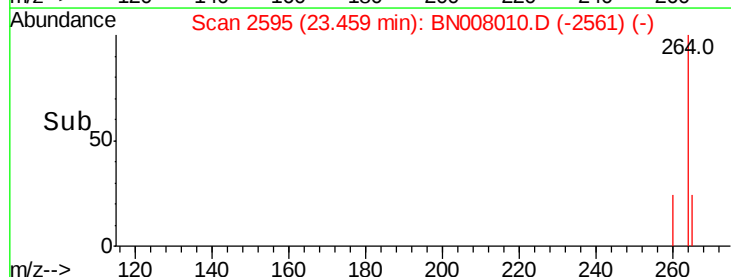
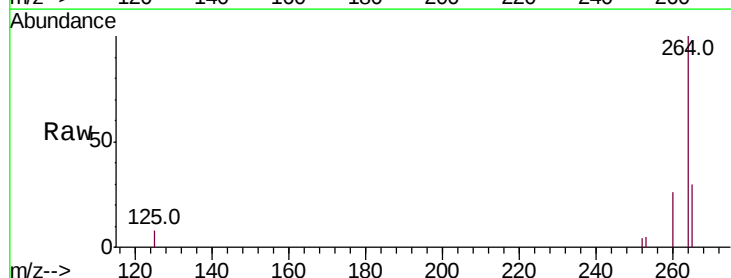
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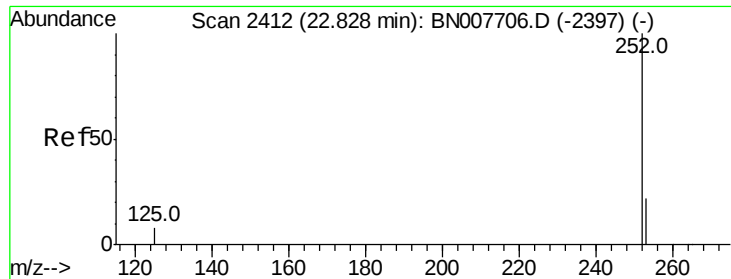
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#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.46 min Scan# 2595
 Delta R.T. -0.03 min
 Lab File: BN008010.D
 Acq: 04 Oct 2019 19:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.7	19.3	28.9
265	30.5	26.9	40.3





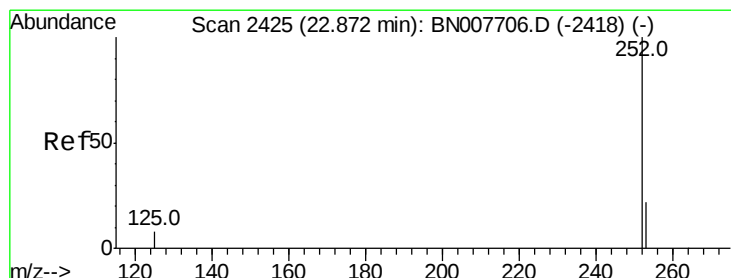
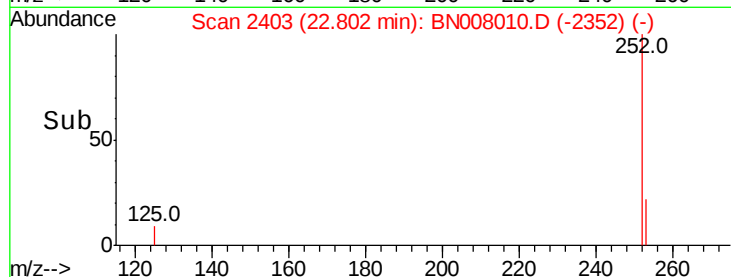
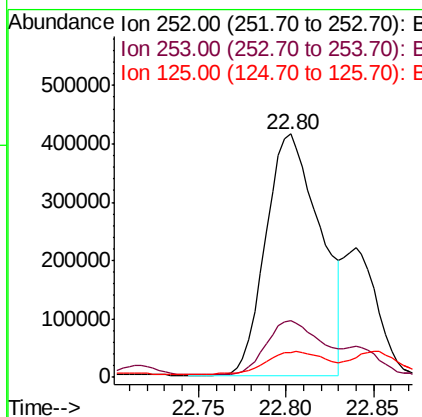
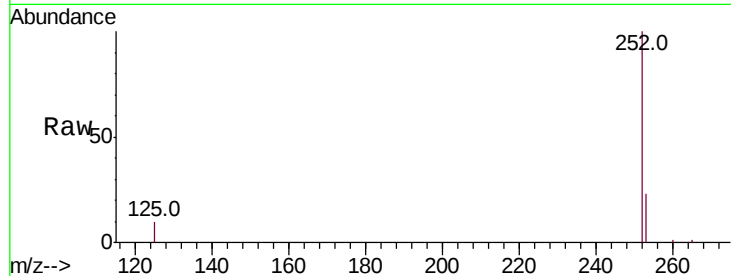
#35
Benzo(b)fluoranthene
Concen: 1.774 ng
RT: 22.80 min Scan# 2403
Delta R.T. -0.03 min
Lab File: BN008010.D
Acq: 04 Oct 2019 19:11

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW067-092519

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.3	27.5
125	10.4	8.2	12.4

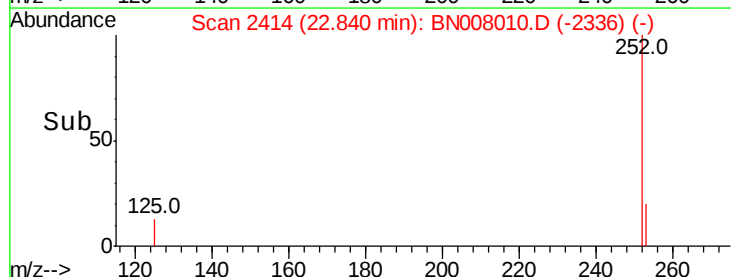
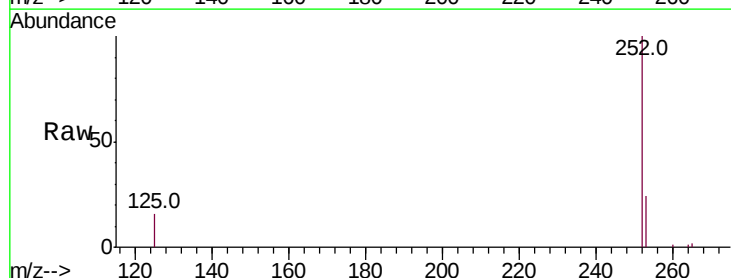
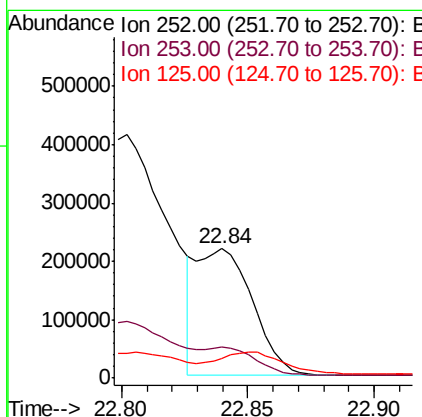
Manual Integrations
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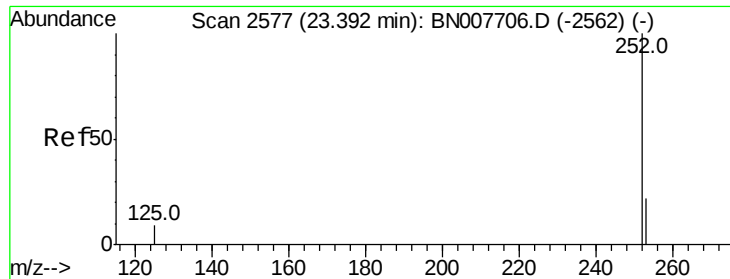
mohammad
10/7/2019 8:45:25 AM



#36
Benzo(k)fluoranthene
Concen: 0.658 ng m
RT: 22.84 min Scan# 2414
Delta R.T. -0.03 min
Lab File: BN008010.D
Acq: 04 Oct 2019 19:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.5	27.7
125	15.5	8.4	12.6#





#37

Benzo(a)pyrene

Concen: 1.292 ng

RT: 23.36 min Scan# 2567

Delta R.T. -0.03 min

Lab File: BN008010.D

Acq: 04 Oct 2019 19:11

Instrument :

BNA_N

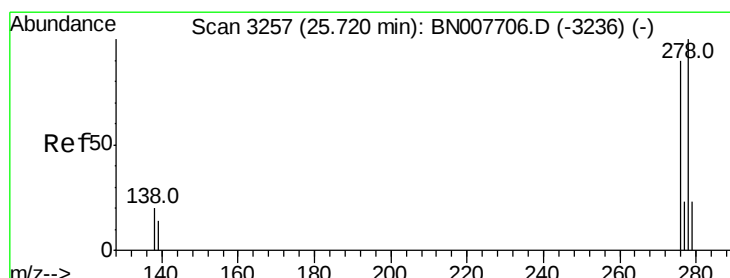
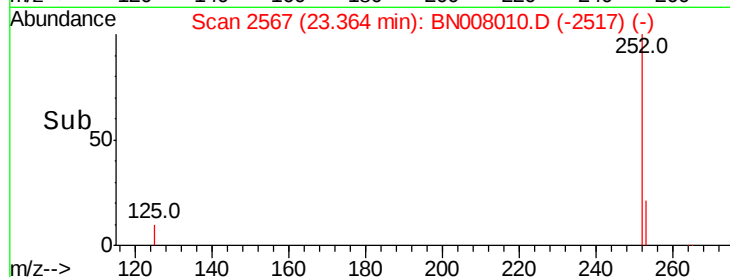
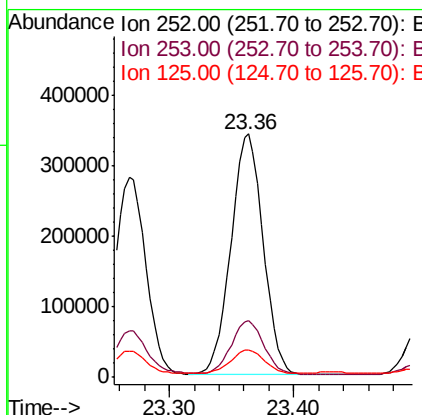
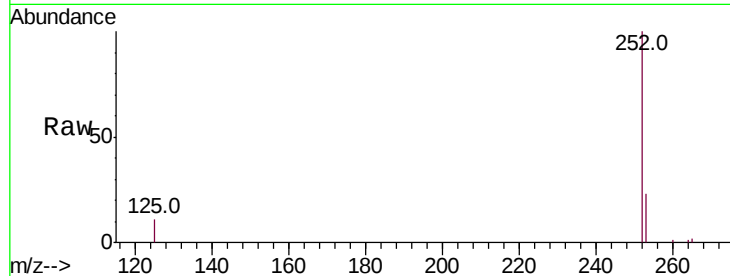
ClientSampleId :

EXT-024-SW067-092519

Tot Ion:	252	Resp:	615406
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.6	27.8
125	11.3	9.4	14.0

Manual Integrations
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#38

Dibenzo(a,h)anthracene

Concen: 0.266 ng

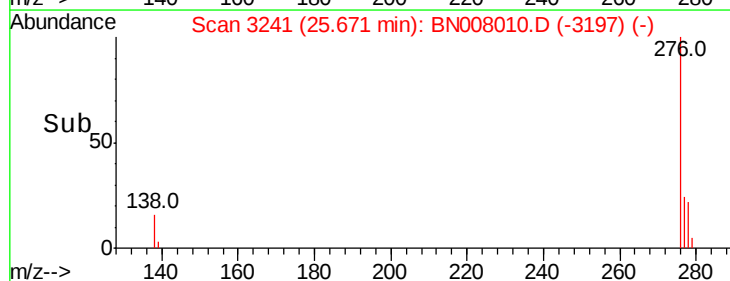
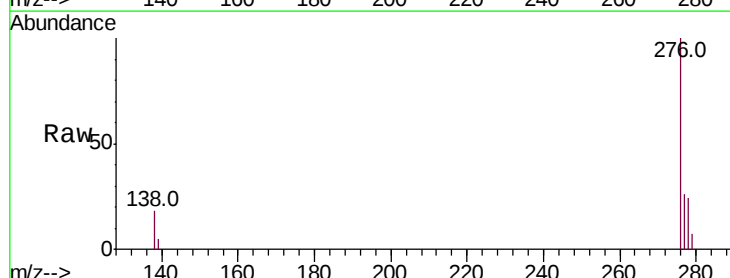
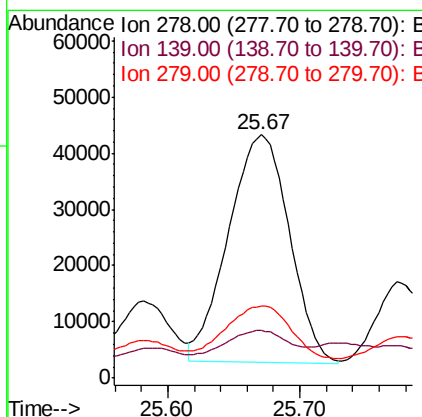
RT: 25.67 min Scan# 3241

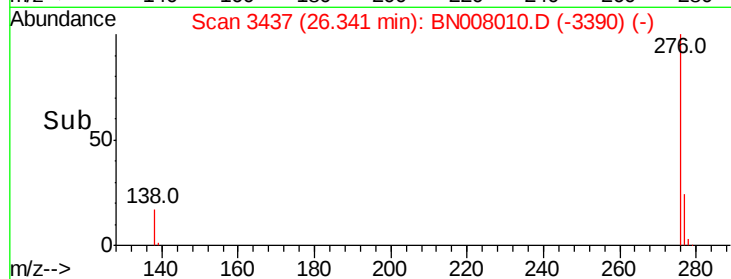
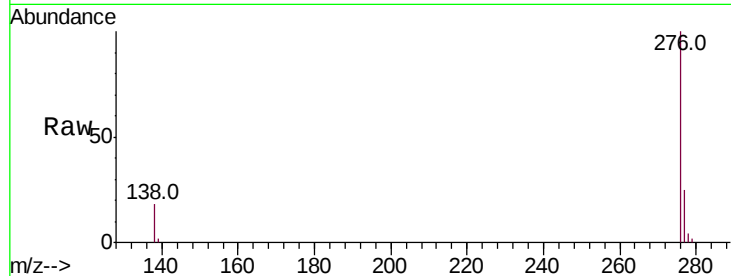
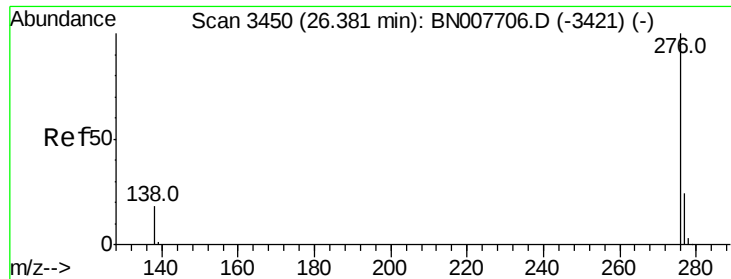
Delta R.T. -0.05 min

Lab File: BN008010.D

Acq: 04 Oct 2019 19:11

Tgt Ion:	278	Resp:	129804
Ion Ratio	Lower	Upper	
278	100		
139	19.6	11.8	17.6#
279	29.9	19.4	29.2#





#39

Benzo(a,h,i)perylene

Concen: 1.091 ng

RT: 26.34 min Scan# 3437

Delta R.T. -0.04 min

Lab File: BN008010.D

Acq: 04 Oct 2019 19:11

Instrument :

BNA_N

ClientSampleId :

EXT-024-SW067-092519

Tot Ion:	276	Resp:	525905
Ion Ratio	Lower	Upper	
276	100		
277	24.8	19.8	29.8
138	18.2	15.1	22.7

Manual Integrations
APPROVED

mohammad
10/7/2019 8:45:25 AM

