

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030920\
 Data File : BF119309.D
 Acq On : 10 Mar 2020 3:50
 Operator : CG/JU
 Sample : L1778-13 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S5

Manual Integrations
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mohammad
 3/10/2020 2:45:00 PM

Quant Time: Mar 10 12:12:54 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 06 23:38:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	99681	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	342932	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	155897	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	256403	20.00	ng	0.00
76) Chrysene-d12	13.89	240	247071	20.00	ng	0.00
87) Perylene-d12	15.32	264	197341	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	169845	28.47	ng	0.01
7) Phenol-d6	6.39	99	204197	28.15	ng	0.00
23) Nitrobenzene-d5	7.29	82	123024	18.94	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	44591	21.86	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	232960	22.01	ng	0.00
79) Terphenyl-d14	12.82	244	245447	17.10	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.27	178	28088	2.009	ng	98
75) Fluoranthene	12.46	202	103031	6.942	ng	99
78) Pyrene	12.69	202	96251	4.851	ng	97
81) Benzo(a)anthracene	13.87	228	60864	3.615	ng	97
83) Chrysene	13.91	228	57161	3.408	ng	98
88) Benzo(b)fluoranthene	14.91	252	84938m	6.530	ng	
89) Benzo(k)fluoranthene	14.93	252	27823m	2.308	ng	
90) Benzo(a)pyrene	15.26	252	44441	3.786	ng	94
92) Benzo(g,h,i)perylene	17.16	276	26004	2.548	ng #	91

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

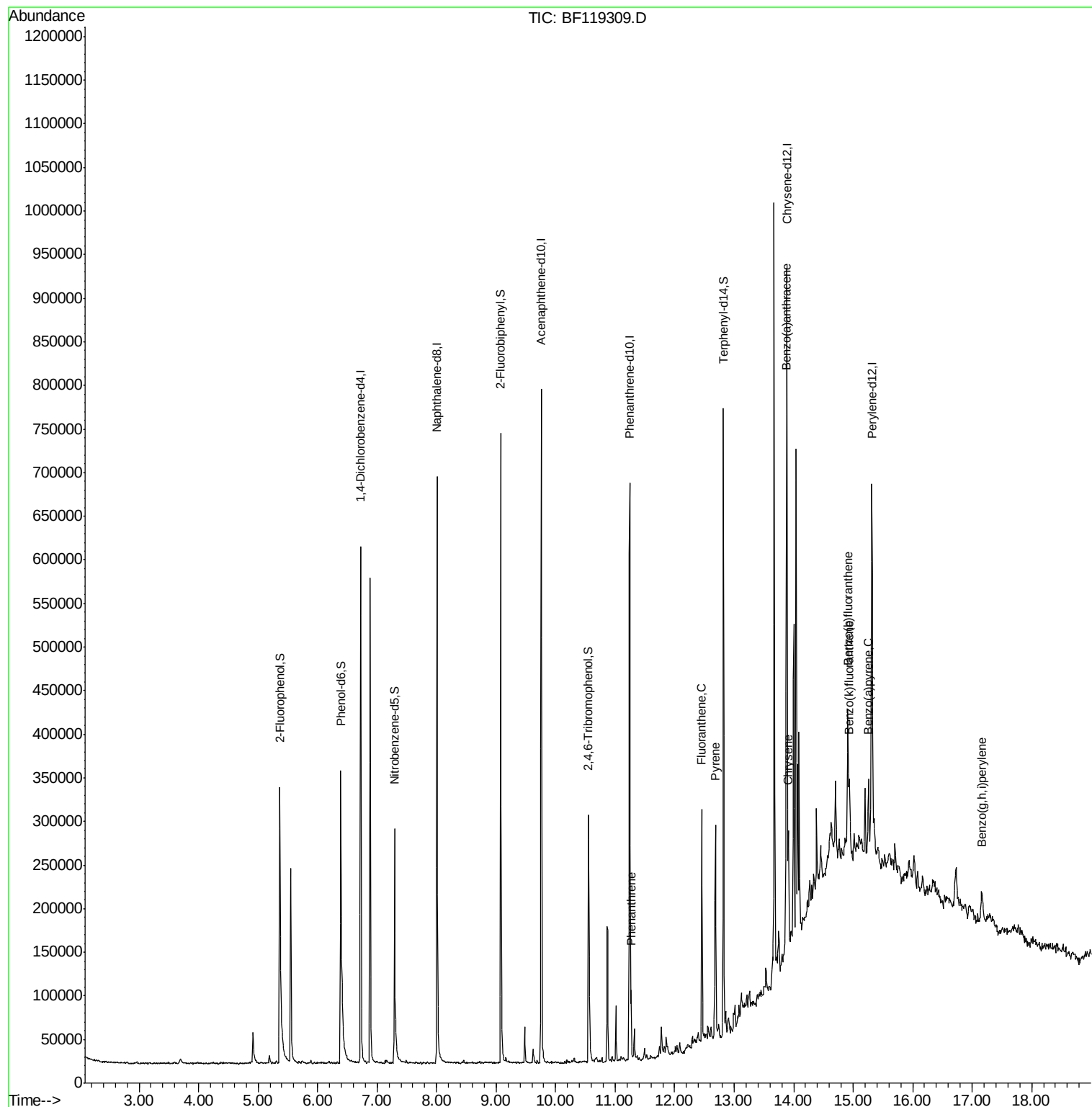
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030920\
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Acq On : 10 Mar 2020 3:50
Operator : CG/JU
Sample : L1778-13 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

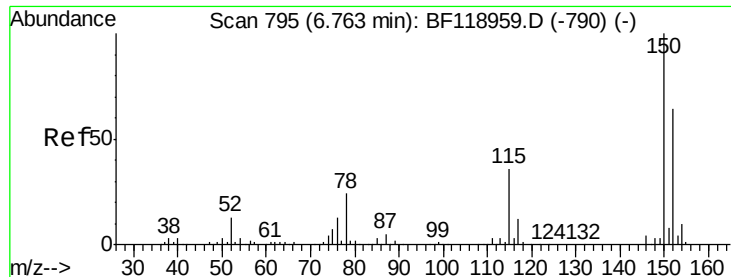
Instrument :
BNA_F
ClientSampled :
S5

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Quant Time: Mar 10 12:12:54 2020
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

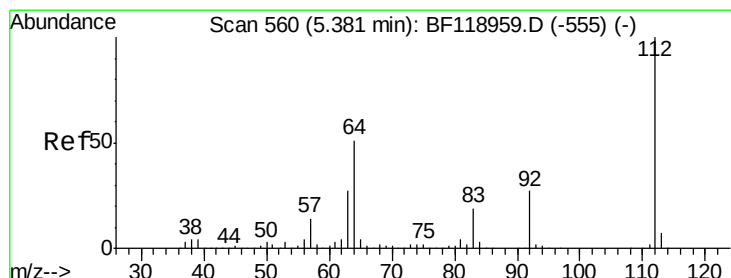
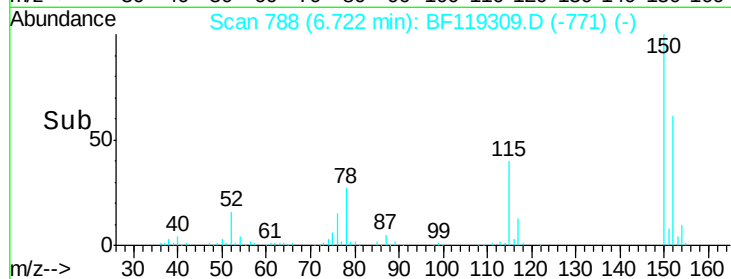
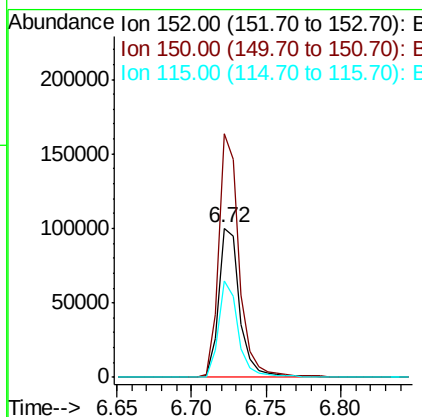
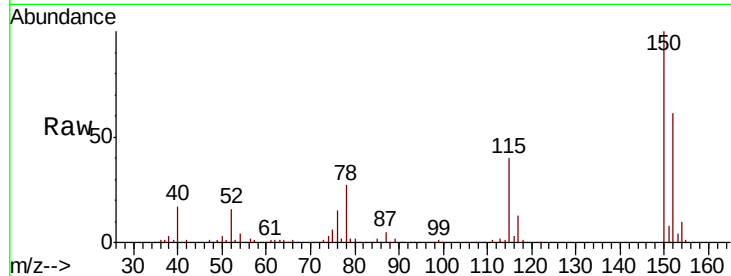
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.00 min
Lab File: BF119309.D
Acq: 10 Mar 2020 3:50

Instrument :
BNA_F
ClientSampled :
S5

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.9	123.0	184.6
115	64.8	49.5	74.3

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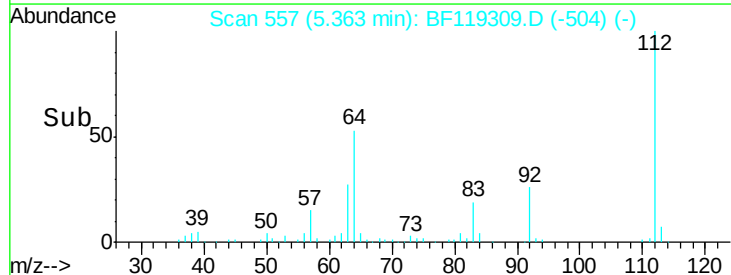
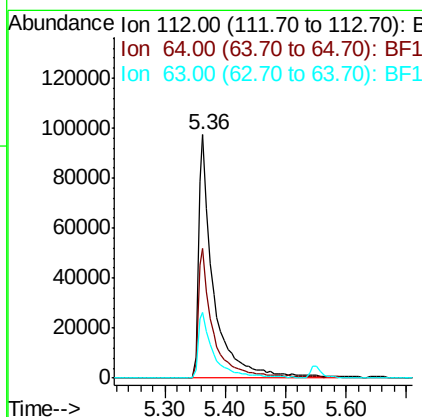
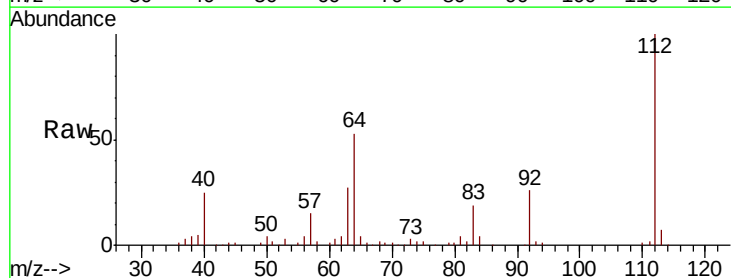
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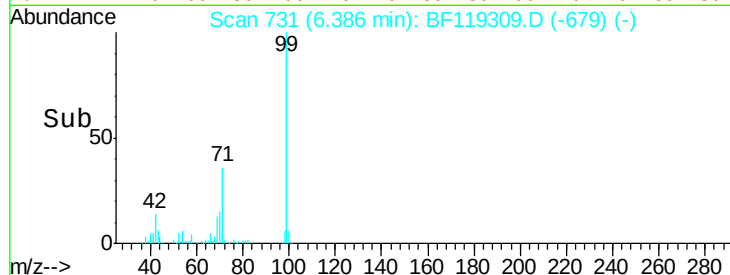
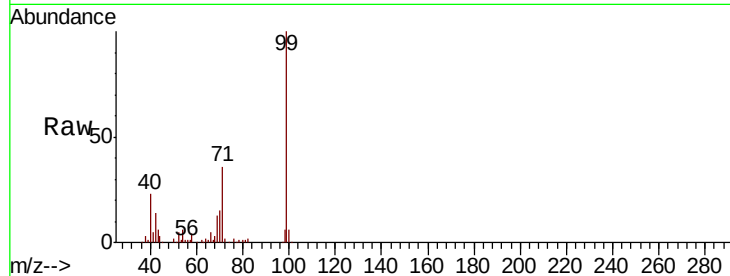
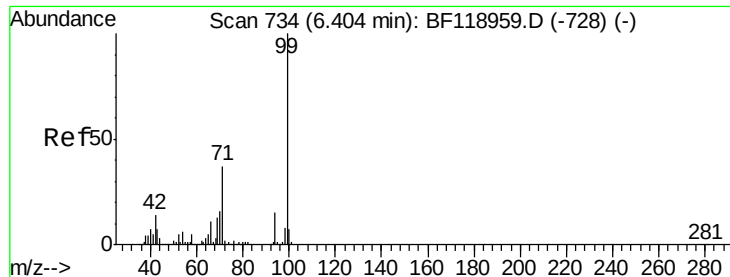


#5

2-Fluorophenol
Concen: 28.475 ng
RT: 5.36 min Scan# 557
Delta R.T. 0.01 min
Lab File: BF119309.D
Acq: 10 Mar 2020 3:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.4	45.0	67.4
63	26.9	24.2	36.4





#7

Phenol-d6

Concen: 28.149 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF119309.D

Acq: 10 Mar 2020 3:50

Instrument :

BNA_F

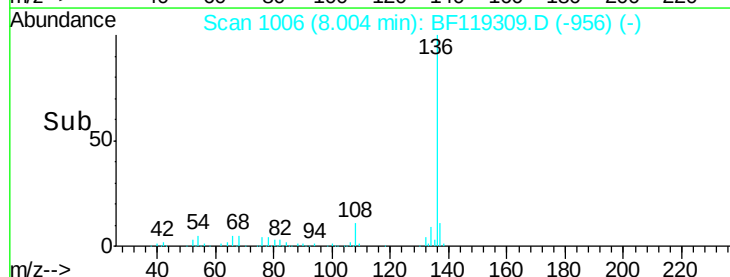
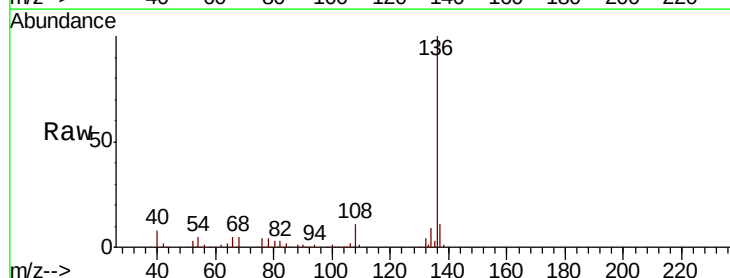
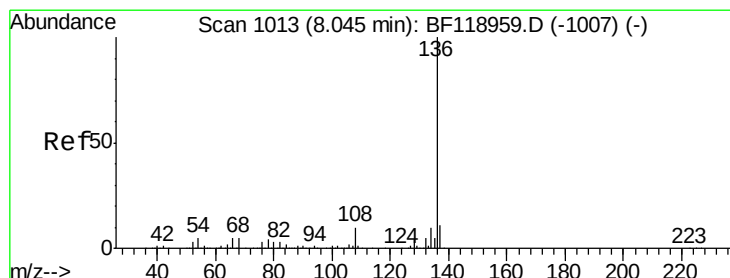
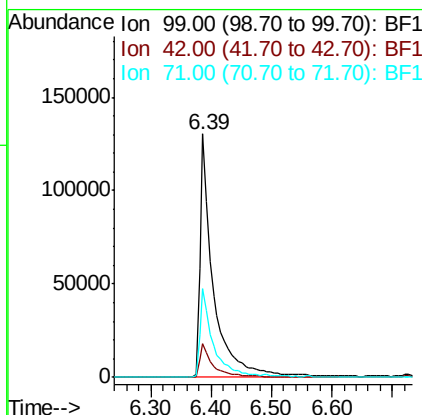
ClientSampleId :

S5

Tot Ion:	99	Resp:	204197
Ion Ratio	Lower	Upper	
99	100		
42	13.6	12.6	18.8
71	36.3	31.0	46.4

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#21

Naphthalene-d8

Concen: 20.000 ng

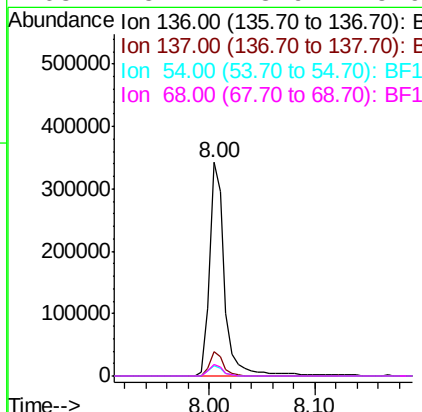
RT: 8.00 min Scan# 1006

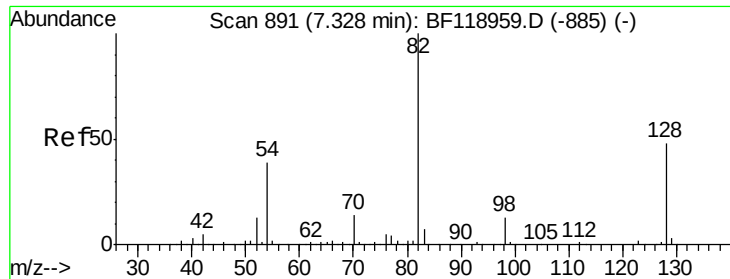
Delta R.T. -0.01 min

Lab File: BF119309.D

Acq: 10 Mar 2020 3:50

Tgt Ion:	136	Resp:	342932
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.8	13.2
54	5.1	3.8	5.6
68	5.4	3.9	5.9





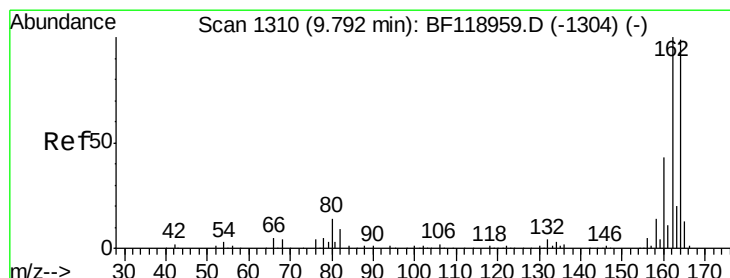
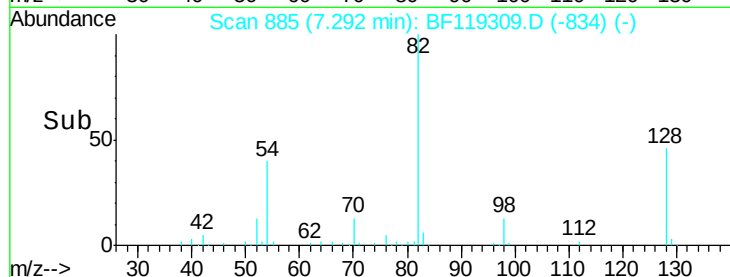
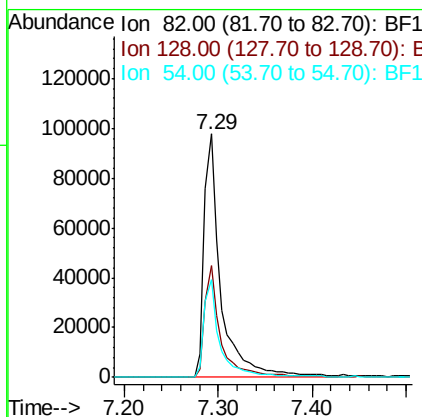
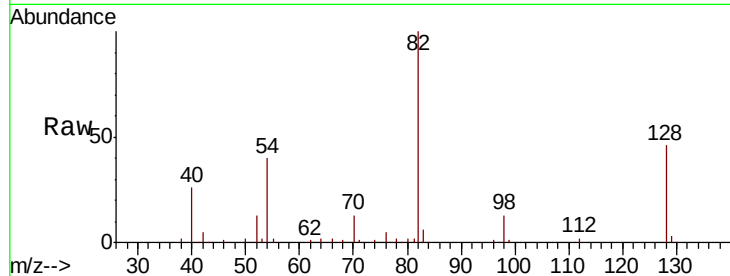
#23
Nitrobenzene-d5
Concen: 18.942 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.00 min
Lab File: BF119309.D
Acq: 10 Mar 2020 3:50

Instrument :
BNA_F
ClientSampled :
S5

Tot Ion	82	Resp	123024
Ion Ratio	100	Lower	Upper
82	100		
128	46.1	37.9	56.9
54	40.1	33.4	50.2

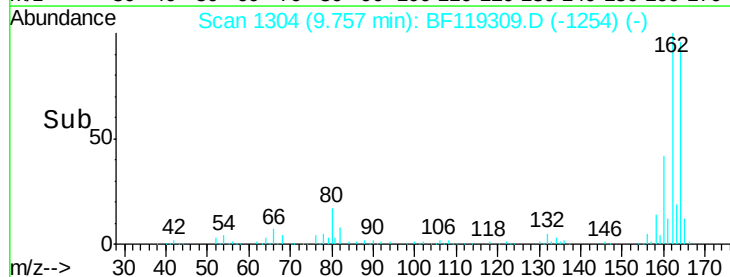
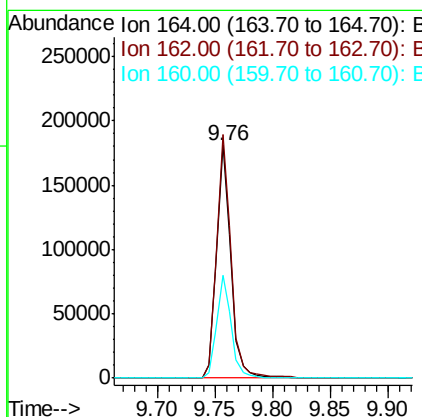
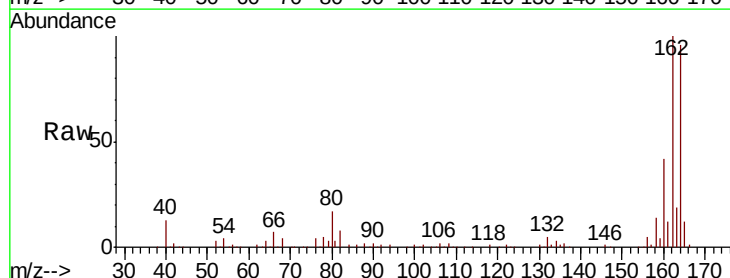
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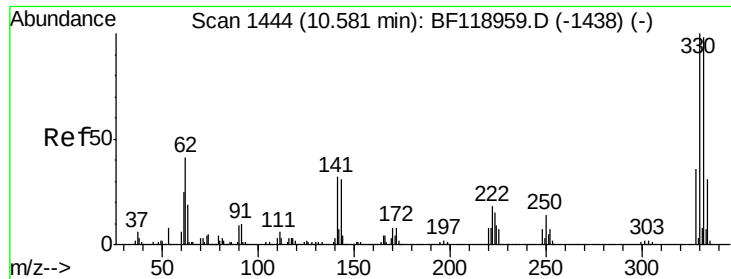
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF119309.D
Acq: 10 Mar 2020 3:50

Tgt Ion	164	Resp	155897
Ion Ratio	100	Lower	Upper
164	100		
162	104.3	81.8	122.8
160	44.1	36.0	54.0





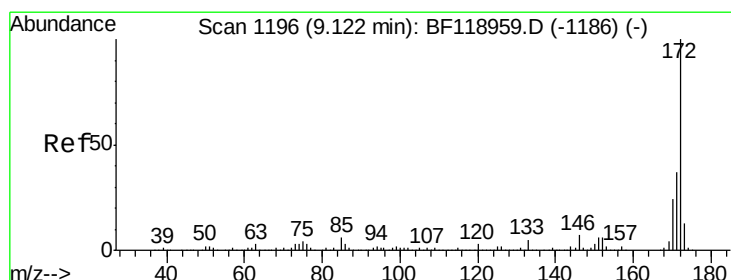
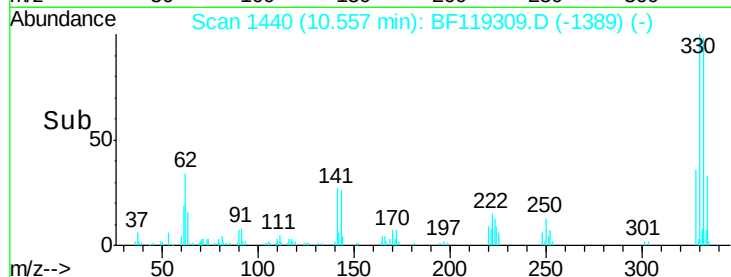
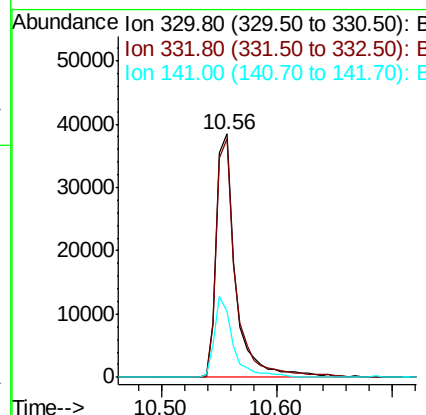
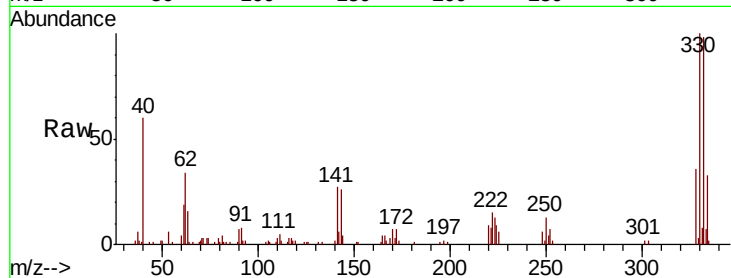
#42
 2,4,6-Tribromophenol
 Concen: 21.865 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: BF119309.D
 Acq: 10 Mar 2020 3:50

Instrument :
 BNA_F
 ClientSampled :
 S5

Tot Ion	Ratio	Resp	Lower	Upper
330	100	44591		
332	98.8	76.0	114.0	
141	32.2	22.9	34.3	

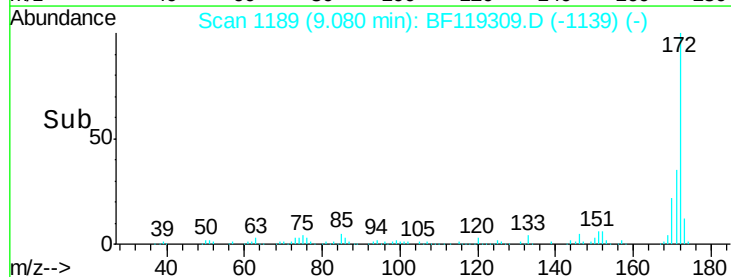
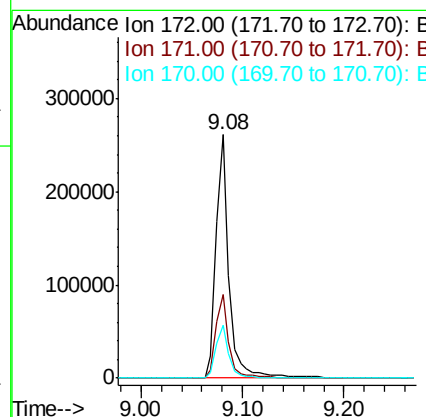
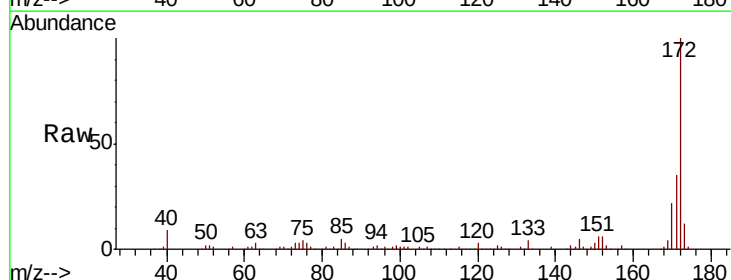
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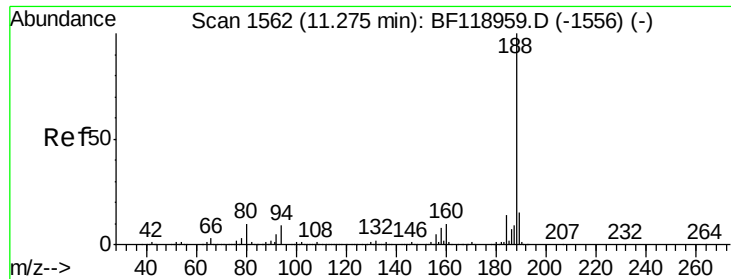
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#45
 2-Fluorobiphenyl
 Concen: 22.014 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF119309.D
 Acq: 10 Mar 2020 3:50

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	232960		
171	34.5	30.6	45.8	
170	21.9	20.2	30.2	





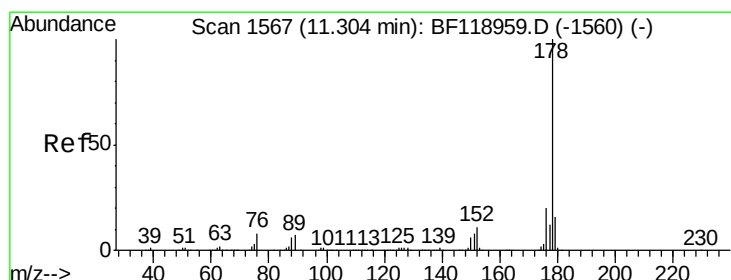
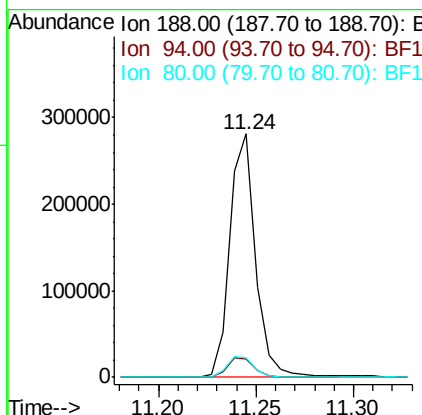
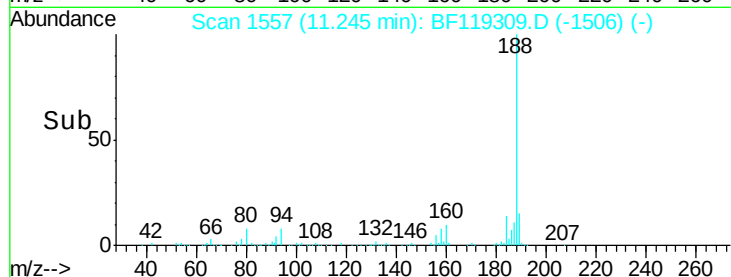
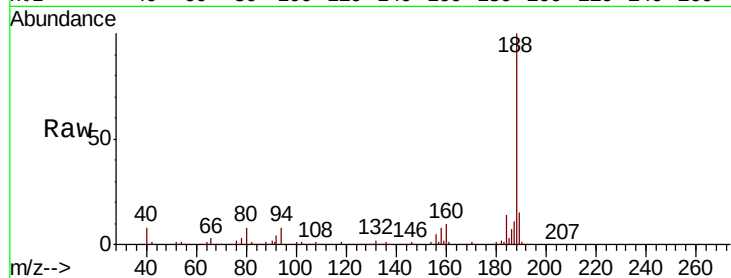
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1557
Delta R.T. -0.00 min
Lab File: BF119309.D
Acq: 10 Mar 2020 3:50

Instrument :
BNA_F
ClientSampleId :
S5

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.7	7.1	10.7
80	8.1	7.8	11.8

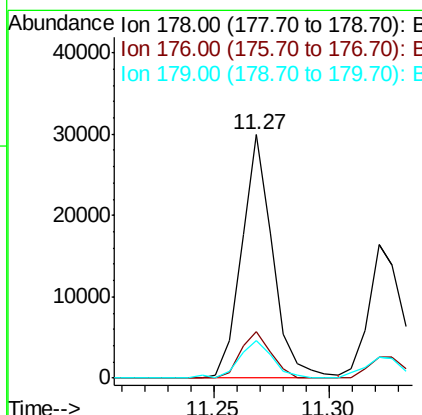
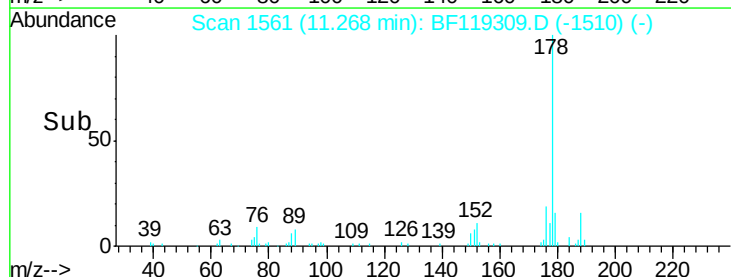
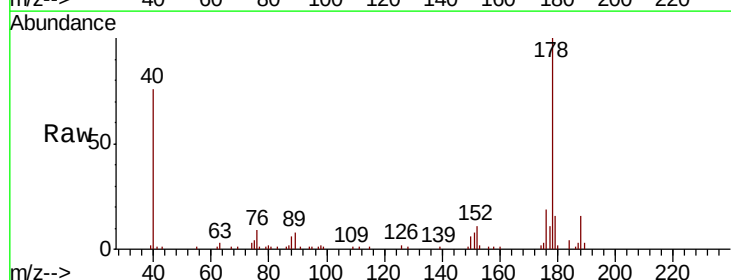
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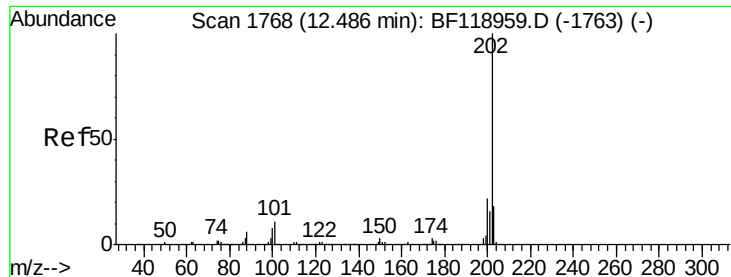
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#71
Phenanthrene
Concen: 2.009 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.00 min
Lab File: BF119309.D
Acq: 10 Mar 2020 3:50

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.2	16.5	24.7
179	15.6	13.0	19.6





#75

Fluoranthene

Concen: 6.942 ng

RT: 12.46 min Scan# 1763

Delta R.T. -0.00 min

Lab File: BF119309.D

Acq: 10 Mar 2020 3:50

Instrument :

BNA_F

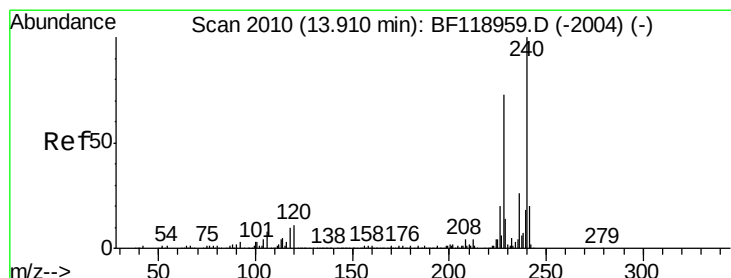
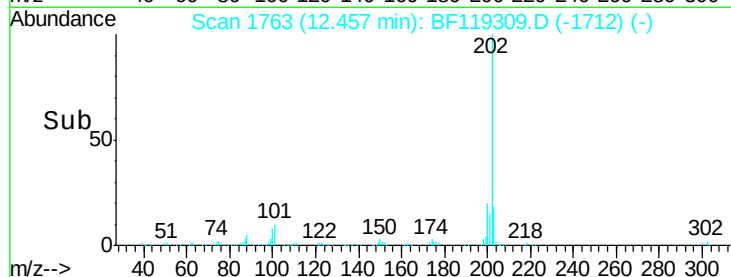
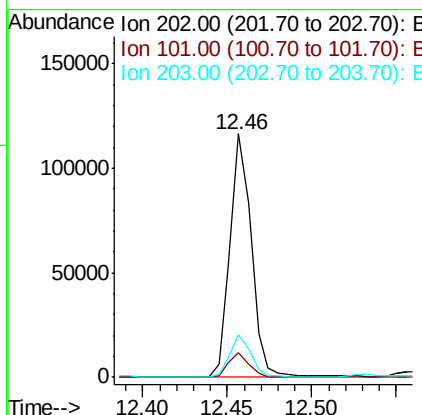
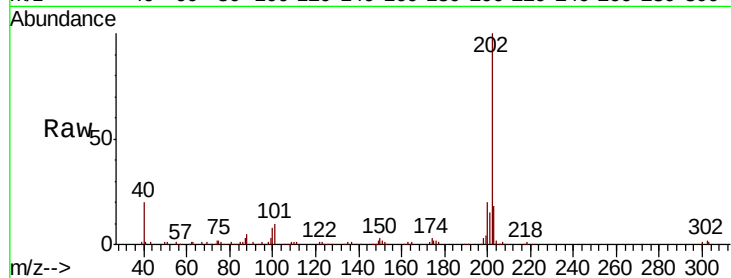
ClientSampled :

S5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	10.3	0.0	30.3		
203	17.6	0.0	38.4		

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

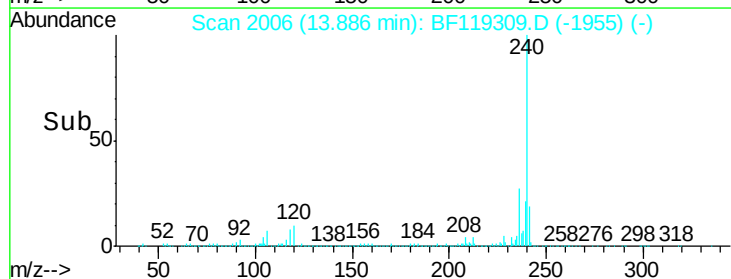
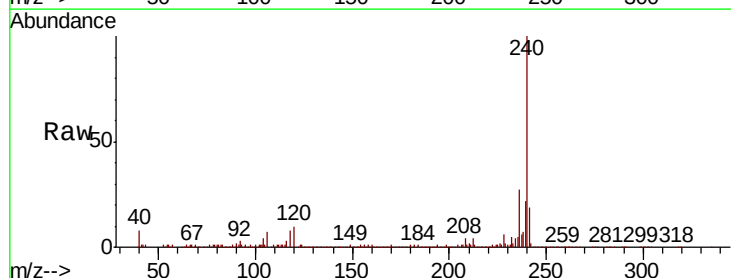
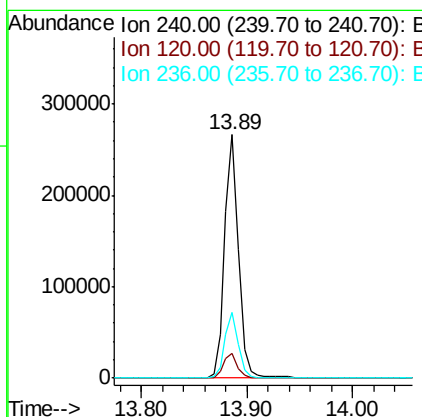
RT: 13.89 min Scan# 2006

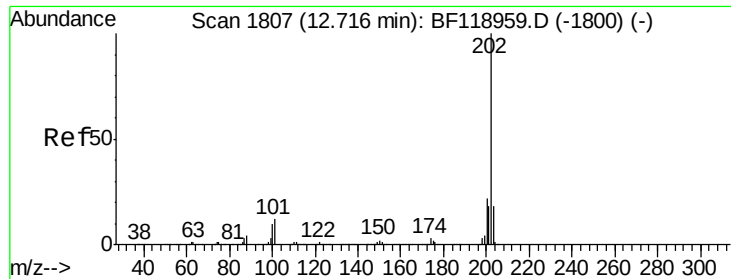
Delta R.T. 0.00 min

Lab File: BF119309.D

Acq: 10 Mar 2020 3:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	10.0	8.4	12.6		
236	27.0	21.0	31.4		





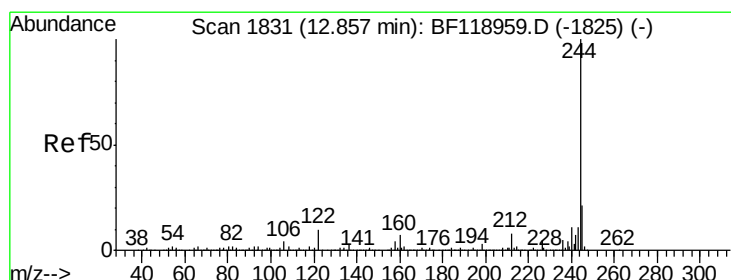
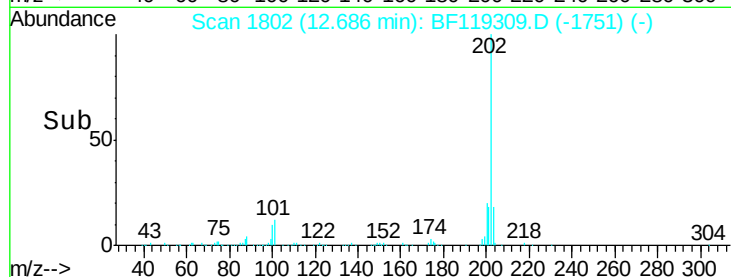
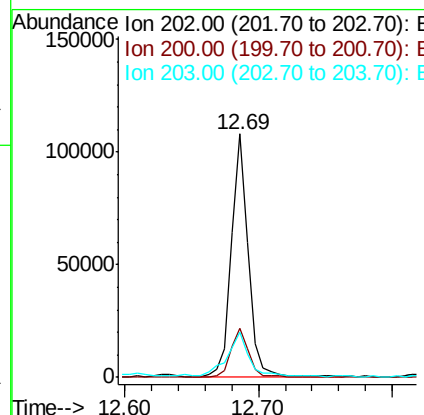
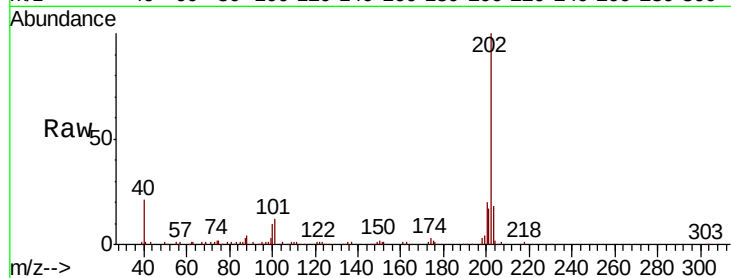
#78
Pvrene
Concen: 4.851 ng
RT: 12.69 min Scan# 1802
Delta R.T. -0.00 min
Lab File: BF119309.D
Acq: 10 Mar 2020 3:50

Instrument :
BNA_F
ClientSampled :
S5

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.0	18.0	27.0
203	18.4	14.6	22.0

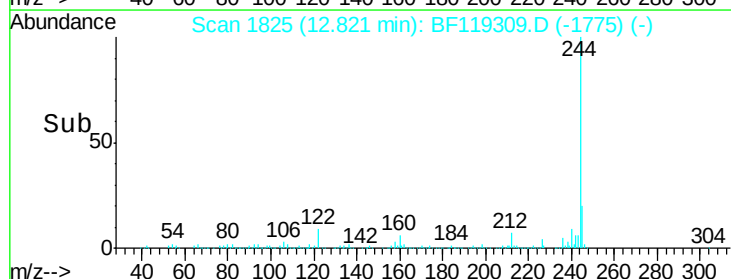
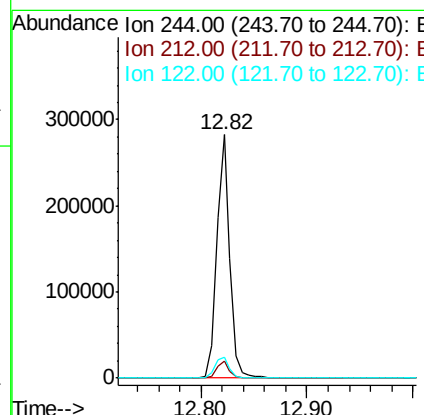
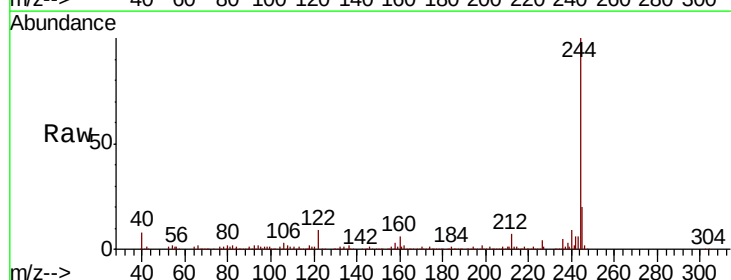
Manual Integrations
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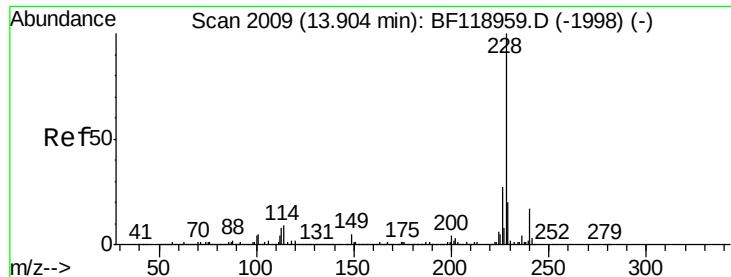
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#79
Terphenyl-d14
Concen: 17.104 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF119309.D
Acq: 10 Mar 2020 3:50

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.8	6.6	10.0
122	8.6	8.2	12.2





#81

Benzo(a)anthracene

Concen: 3.615 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF119309.D

Acq: 10 Mar 2020 3:50

Instrument :

BNA_F

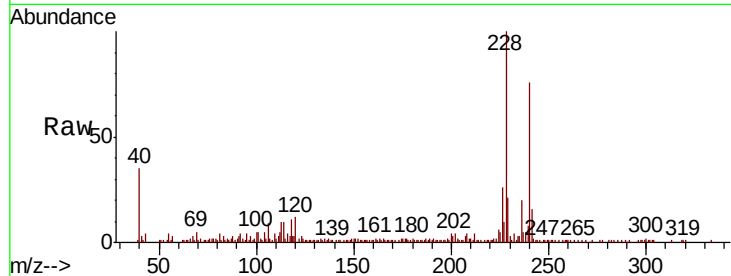
ClientSampleId :

S5

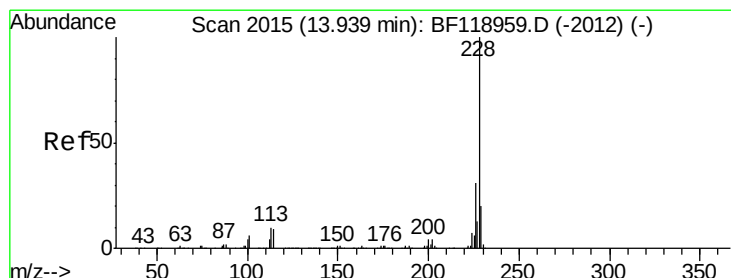
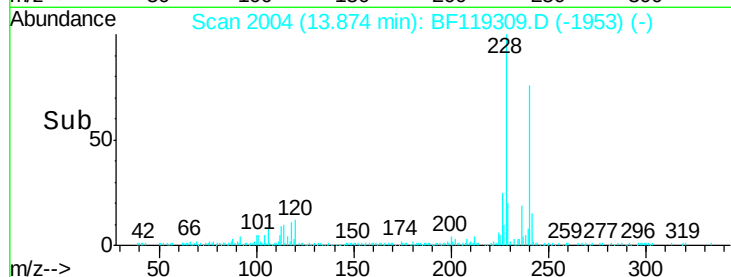
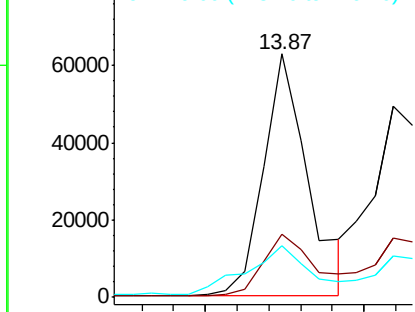
Tot Ion:	228	Resp:	60864
Ion Ratio	Lower	Upper	
228	100		
226	25.9	22.6	33.8
229	21.0	16.6	24.8

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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



#83

Chrysene

Concen: 3.408 ng

RT: 13.91 min Scan# 2010

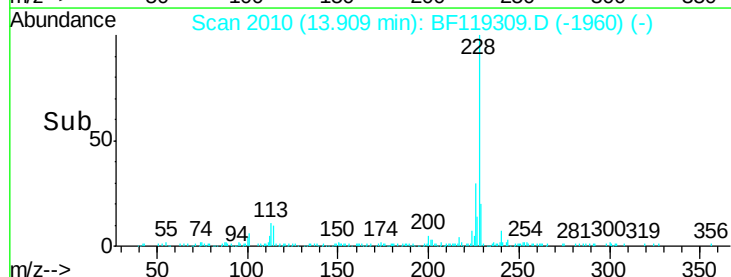
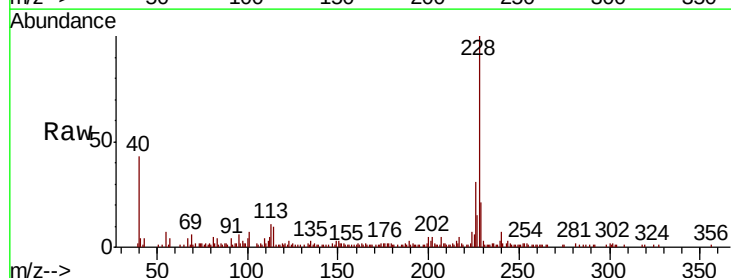
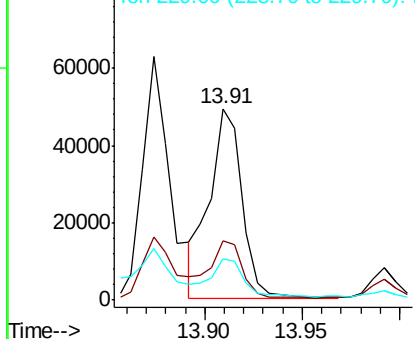
Delta R.T. -0.01 min

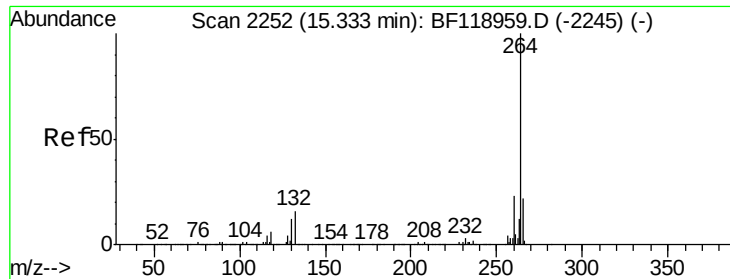
Lab File: BF119309.D

Acq: 10 Mar 2020 3:50

Tgt Ion:	228	Resp:	57161
Ion Ratio	Lower	Upper	
228	100		
226	30.7	25.1	37.7
229	21.5	16.3	24.5

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





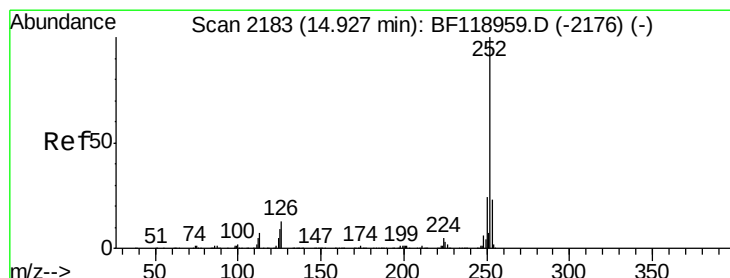
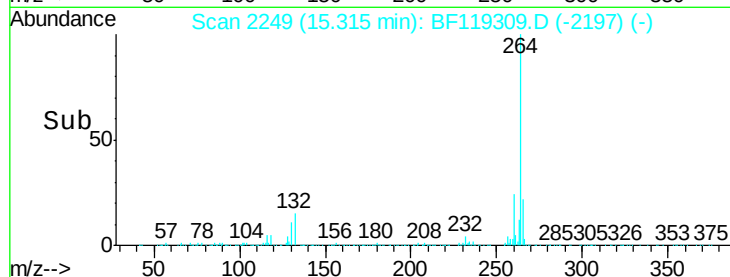
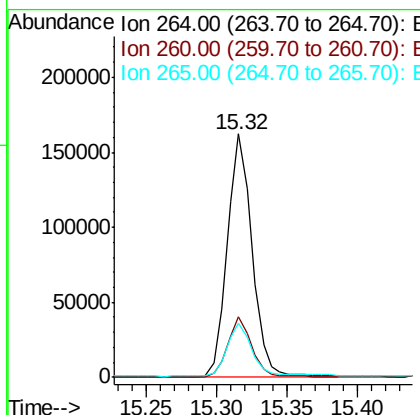
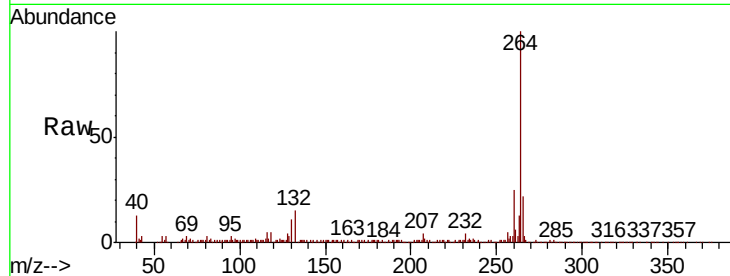
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2249
Delta R.T. 0.01 min
Lab File: BF119309.D
Acq: 10 Mar 2020 3:50

Instrument :
BNA_F
ClientSampled :
S5

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.4	29.2
265	22.2	17.7	26.5

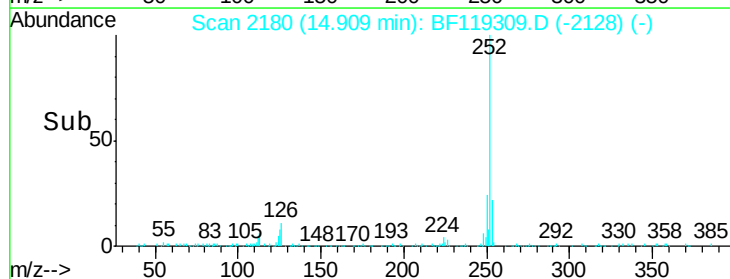
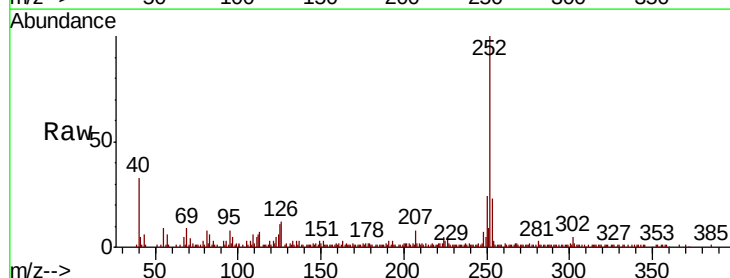
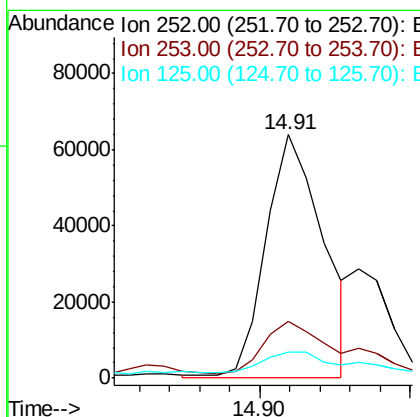
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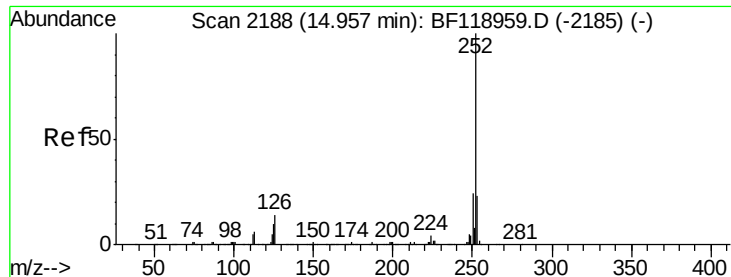
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#88
Benzo(b)fluoranthene
Concen: 6.530 ng m
RT: 14.91 min Scan# 2180
Delta R.T. 0.01 min
Lab File: BF119309.D
Acq: 10 Mar 2020 3:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.1	27.1
125	10.5	7.4	11.0





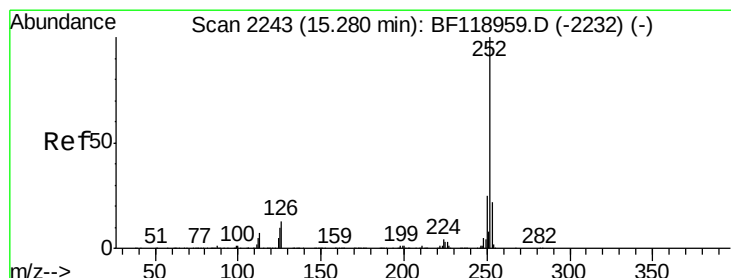
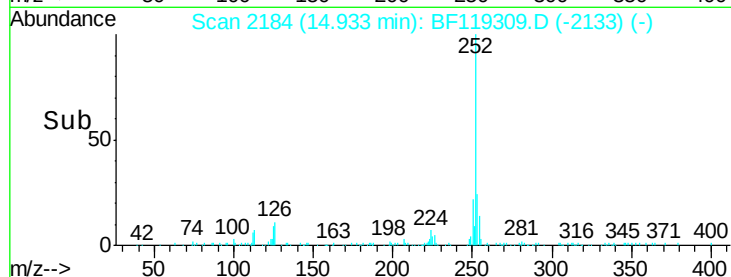
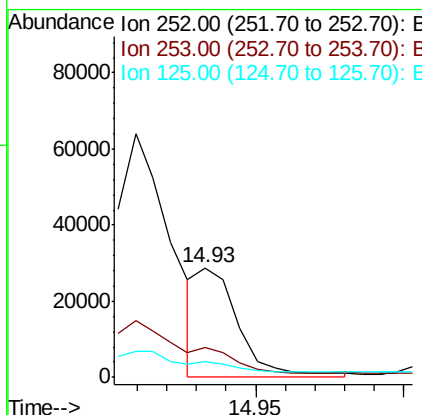
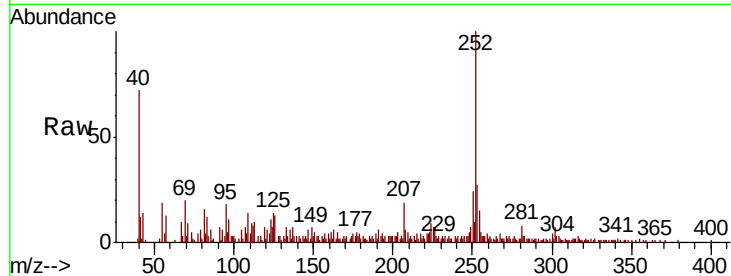
#89
Benzo(k)fluoranthene
Concen: 2.308 ng/mL
RT: 14.93 min Scan# 2184
Delta R.T. -0.00 min
Lab File: BF119309.D
Acq: 10 Mar 2020 3:50

Instrument :
BNA_F
ClientSampled :
S5

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.8	26.8
125	14.4	7.5	11.3

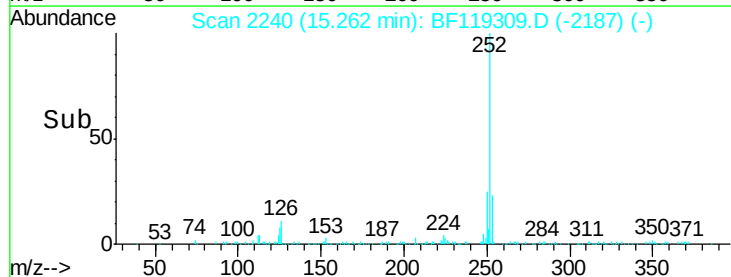
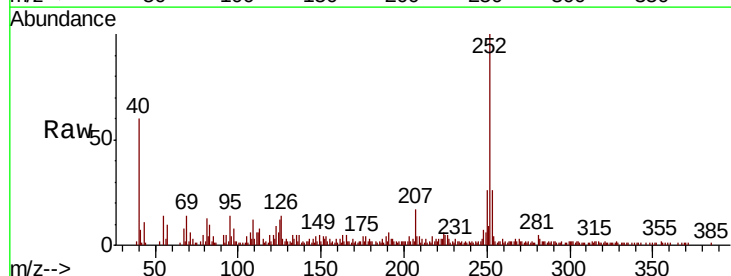
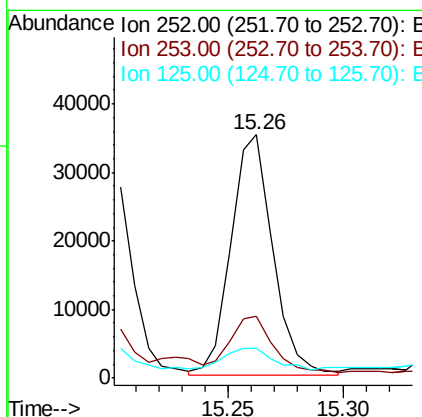
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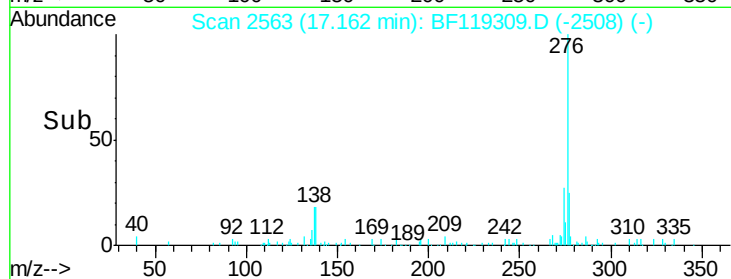
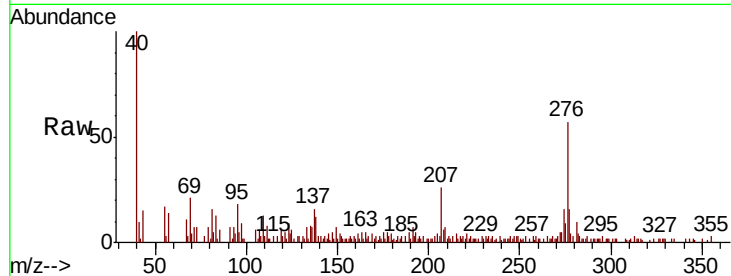
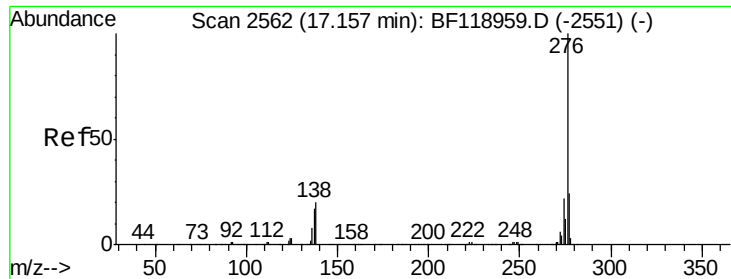
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#90
Benzo(a)pyrene
Concen: 3.786 ng/mL
RT: 15.26 min Scan# 2240
Delta R.T. 0.01 min
Lab File: BF119309.D
Acq: 10 Mar 2020 3:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.0	27.0
125	12.2	8.6	12.8





#92
 Benzo(a,h,i)perylene
 Concen: 2.548 ng
 RT: 17.16 min Scan# 2563
 Delta R.T. 0.02 min
 Lab File: BF119309.D
 Acq: 10 Mar 2020 3:50

Instrument :
 BNA_F
 ClientSampleId :
 S5

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	28.5	18.7	28.1#	
138	21.2	14.3	21.5	

Manual Integrations
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