

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021319\
 Data File : BF112558.D
 Acq On : 14 Feb 2019 2:45
 Operator : JU/SJ
 Sample : K1343-15DL 10X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-HDL

Manual Integrations
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Sohil
 2/14/2019 11:36:29 AM

Quant Time: Feb 14 07:04:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	95252	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	344470	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	131627	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	212048	20.00	ng	0.00
76) Chrysene-d12	14.02	240	182078	20.00	ng	0.00
87) Perylene-d12	15.49	264	125198	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	56420	12.58	ng	0.00
7) Phenol-d6	6.50	99	76950	12.35	ng	0.00
23) Nitrobenzene-d5	7.40	82	43359	7.25	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	13501	8.81	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	90255	9.70	ng	-0.01
79) Terphenyl-d14	12.94	244	79091	8.18	ng	0.00
Target Compounds						
49) Acenaphthylene	9.74	152	30622	2.341	ng	98
55) Dibenzofuran	10.08	168	27896	2.336	ng	97
71) Phenanthrene	11.39	178	309786	28.101	ng	97
72) Anthracene	11.45	178	41693	3.797	ng	99
75) Fluoranthene	12.58	202	385164	32.575	ng	98
78) Pyrene	12.82	202	330809	26.242	ng	99
81) Benzo(a)anthracene	14.00	228	93883	8.771	ng	99
83) Chrysene	14.04	228	108372	10.607	ng	96
86) Indeno(1,2,3-cd)pyrene	17.00	276	43017	5.314	ng	92
88) Benzo(b)fluoranthene	15.06	252	95151m	12.708	ng	
89) Benzo(k)fluoranthene	15.09	252	28684m	4.000	ng	
90) Benzo(a)pyrene	15.43	252	61234	9.089	ng	# 97
92) Benzo(a,h,i)perylene	17.46	276	39003	7.614	ng	96

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

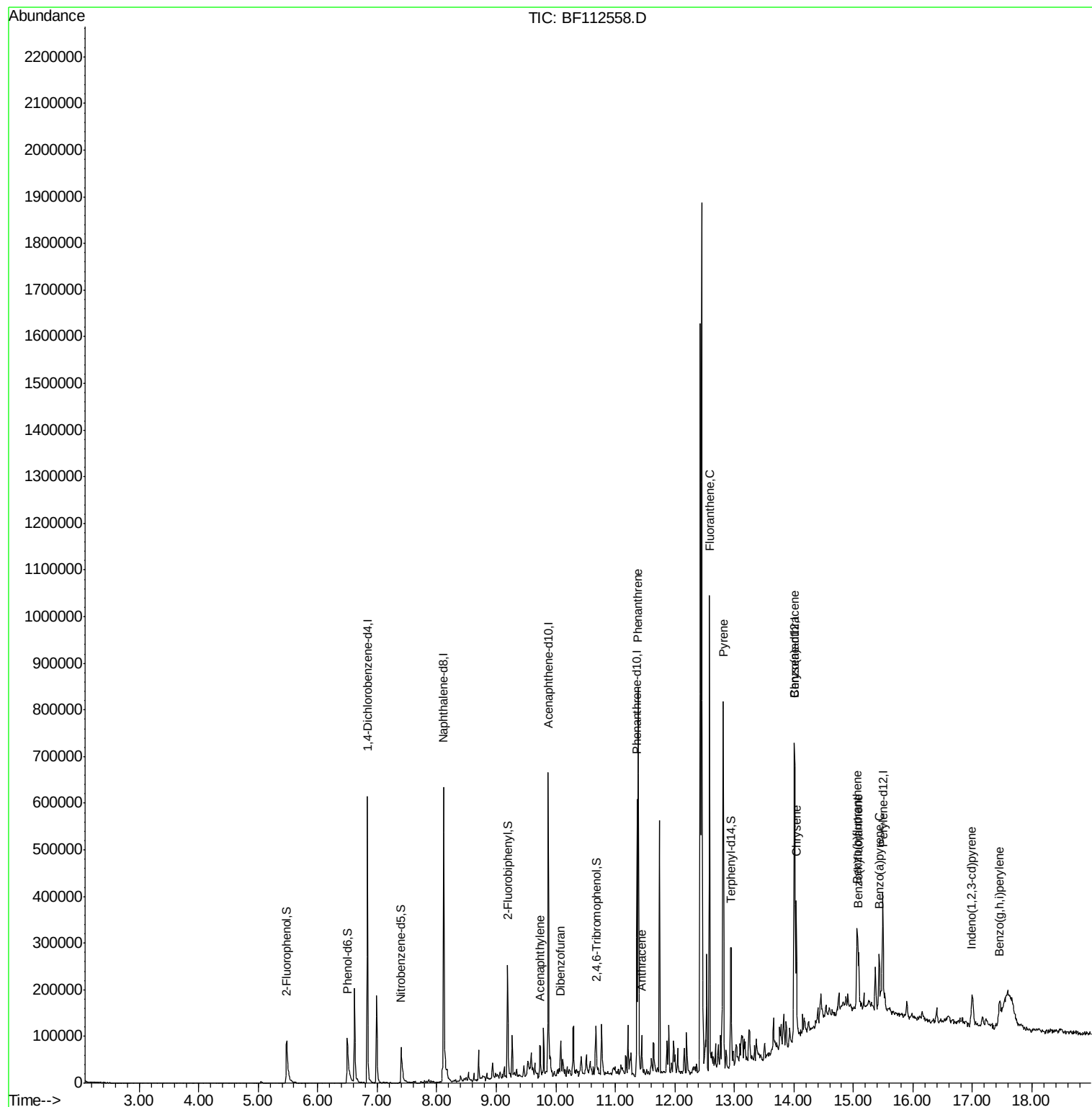
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021319\
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ALS Vial : 30 Sample Multiplier: 1

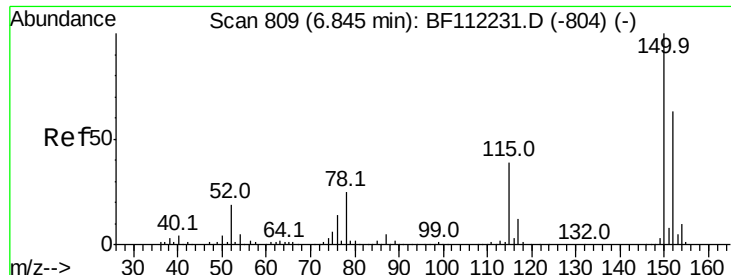
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
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#1

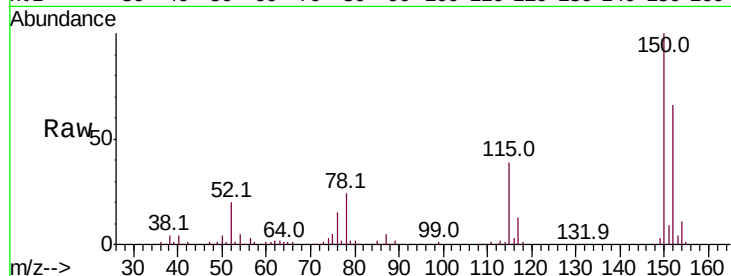
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112558.D
Acq: 14 Feb 2019 2:45

Instrument :
BNA_F
ClientSampleId :
JC-02-021119-HDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.0	127.4	191.0
115	59.6	45.5	68.3

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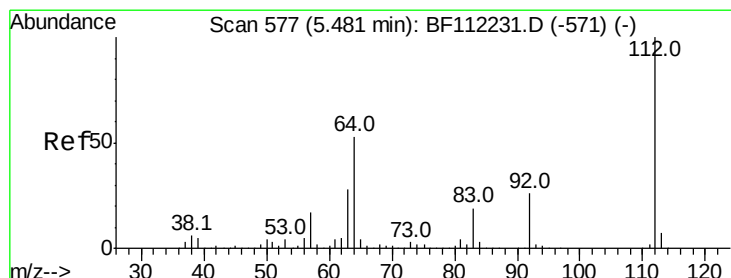
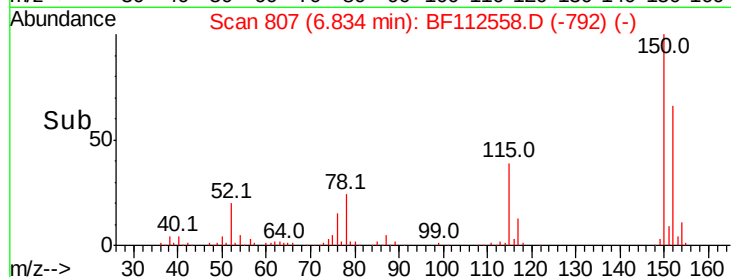
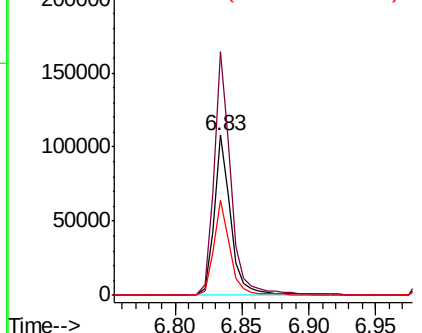


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

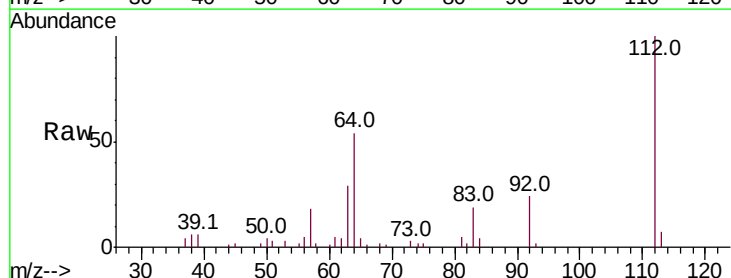
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 12.581 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF112558.D
Acq: 14 Feb 2019 2:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	45.7	68.5
63	29.0	23.6	35.4

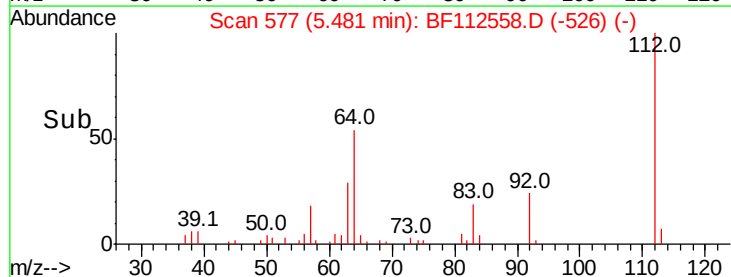
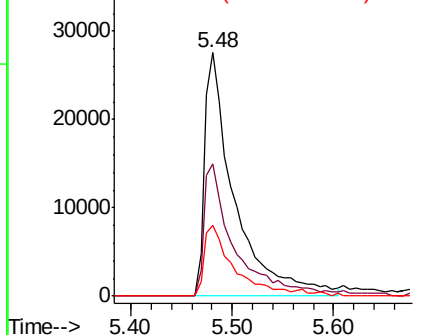


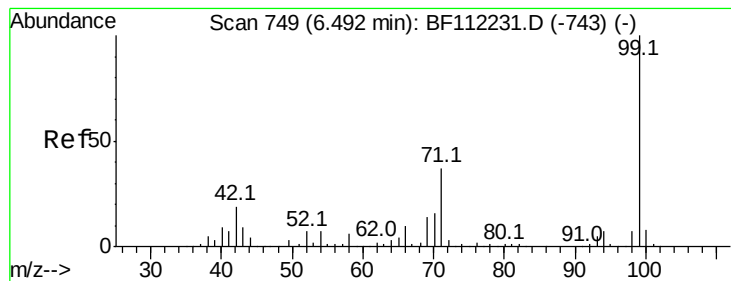
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 12.349 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF112558.D

Acq: 14 Feb 2019 2:45

Instrument :

BNA_F

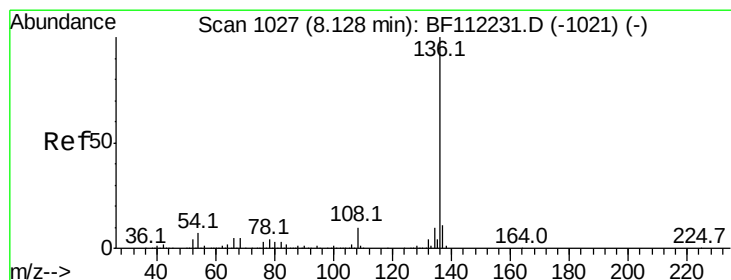
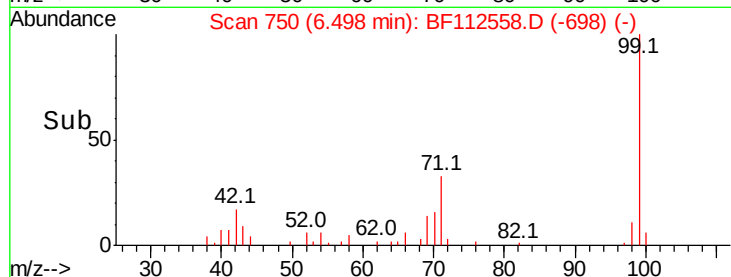
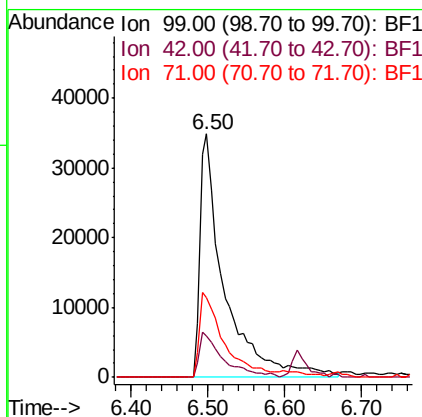
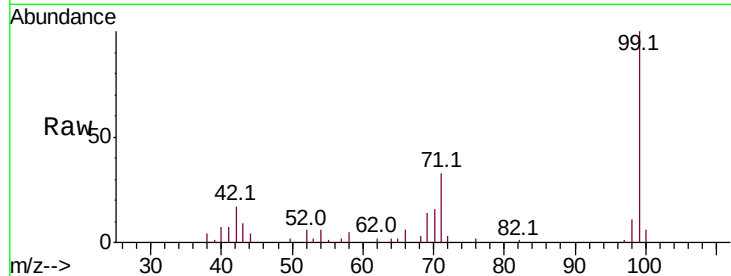
ClientSampleId :

JC-02-021119-HDL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		76950		
42	17.2	15.1	22.7		
71	33.0	26.9	40.3		

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#21

Naphthalene-d8

Concen: 20.000 ng

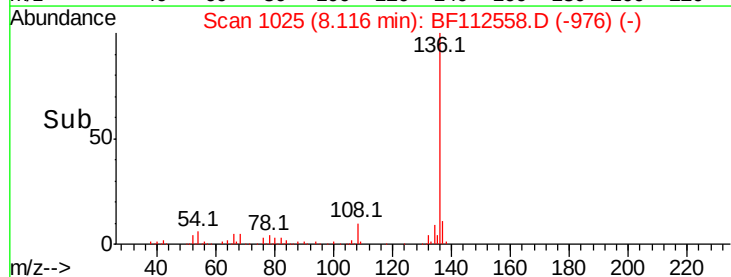
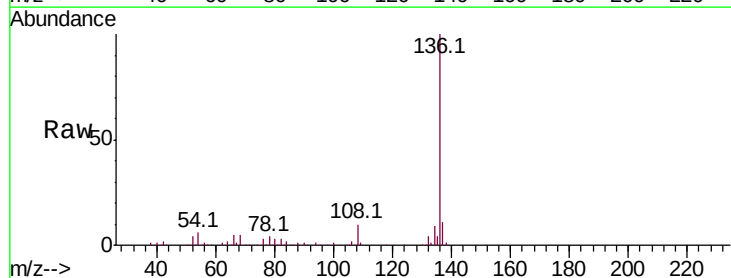
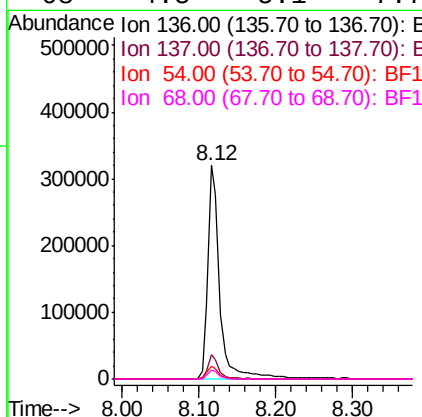
RT: 8.12 min Scan# 1025

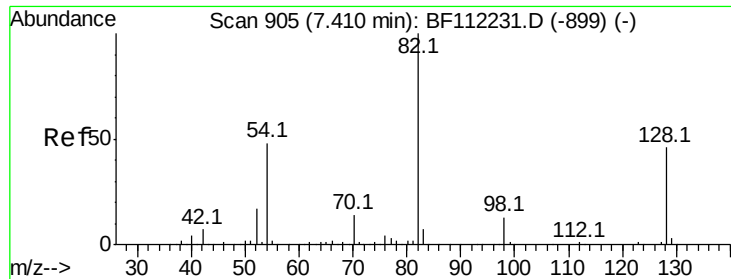
Delta R.T. -0.01 min

Lab File: BF112558.D

Acq: 14 Feb 2019 2:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		344470		
137	11.3	9.1	13.7		
54	6.2	5.9	8.9		
68	4.5	5.1	7.7#		





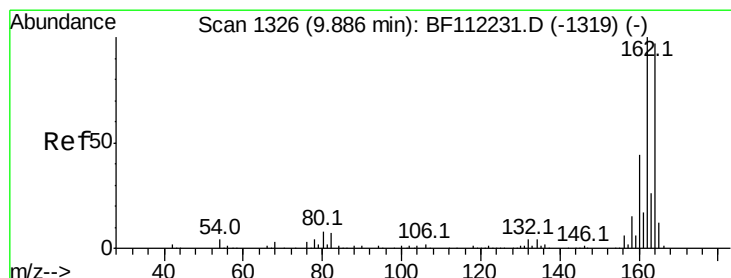
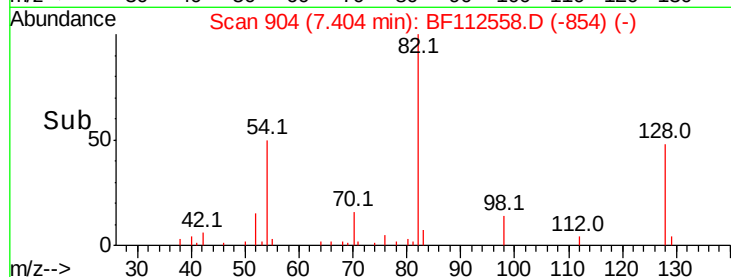
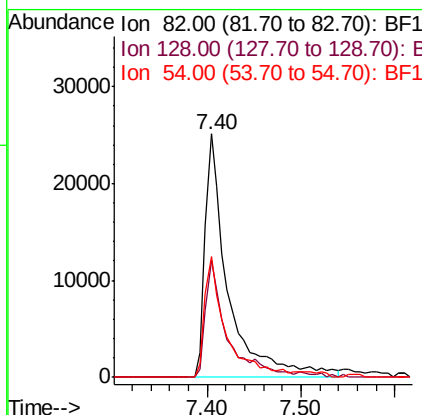
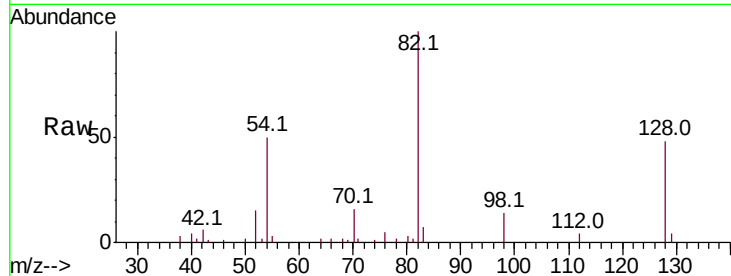
#23
 Nitrobenzene-d5
 Concen: 7.253 ng
 RT: 7.40 min Scan# 904
 Delta R.T. -0.01 min
 Lab File: BF112558.D
 Acq: 14 Feb 2019 2:45

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-HDL

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.9	37.8	56.8
54	49.6	39.7	59.5

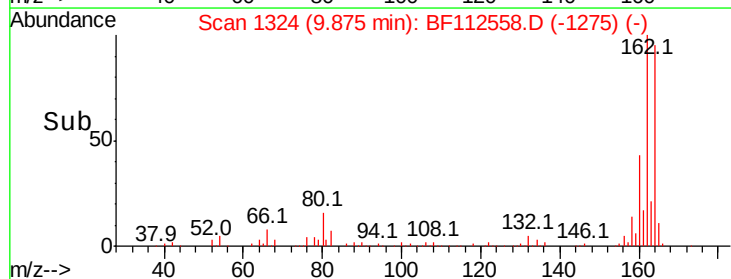
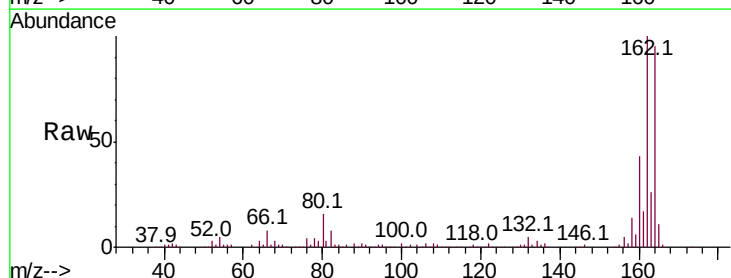
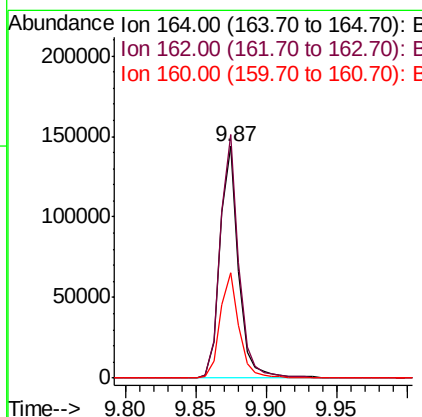
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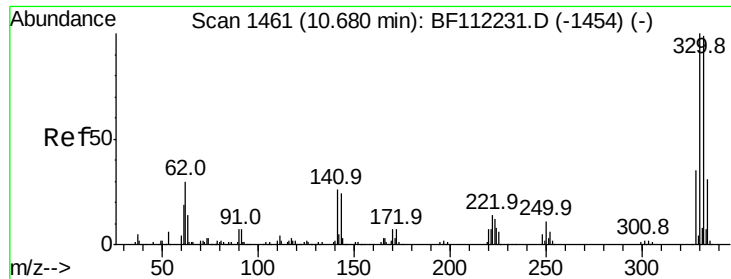
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: BF112558.D
 Acq: 14 Feb 2019 2:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.1	82.2	123.4
160	45.3	36.2	54.4





#42

2,4,6-Tribromophenol

Concen: 8.812 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.01 min

Lab File: BF112558.D

Acq: 14 Feb 2019 2:45

Instrument :

BNA_F

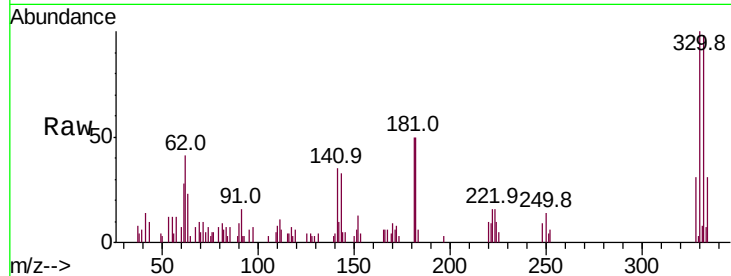
ClientSampleId :

JC-02-021119-HDL

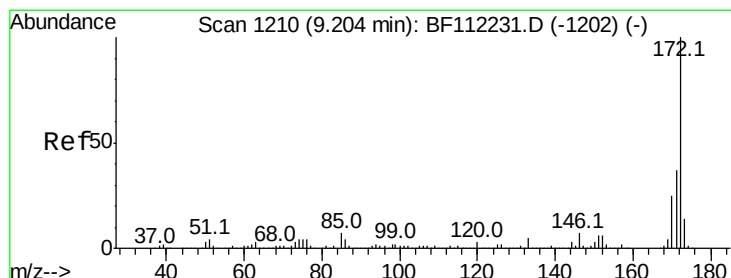
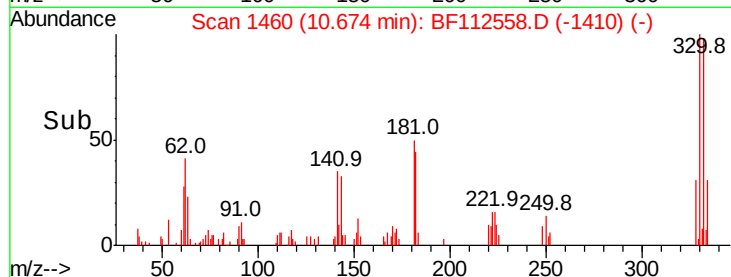
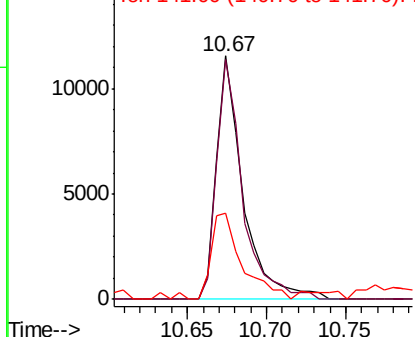
Tot Ion:	330	Resp:	13501
Ion Ratio	Lower	Upper	
330	100		
332	96.1	76.6	114.8
141	40.7	24.3	36.5#

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 9.698 ng

RT: 9.19 min Scan# 1208

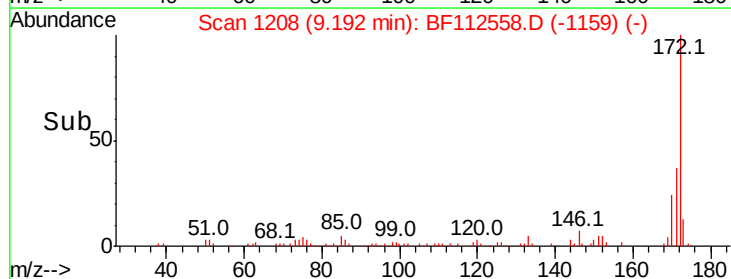
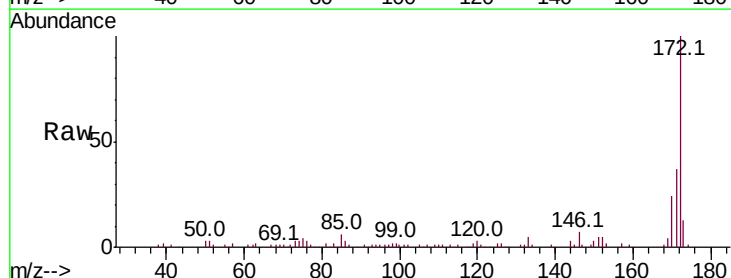
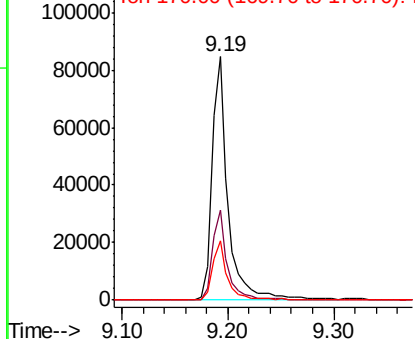
Delta R.T. -0.01 min

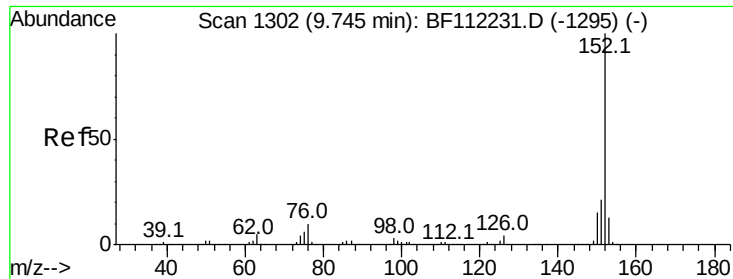
Lab File: BF112558.D

Acq: 14 Feb 2019 2:45

Tgt Ion:	172	Resp:	90255
Ion Ratio	Lower	Upper	
172	100		
171	37.2	30.5	45.7
170	24.2	20.2	30.4

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





#49

Acenaphthylene

Concen: 2.341 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BF112558.D

Acq: 14 Feb 2019 2:45

Instrument :

BNA_F

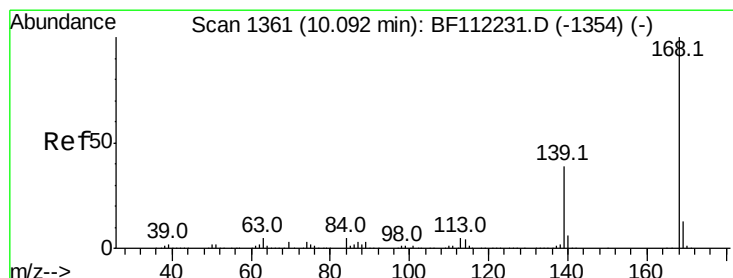
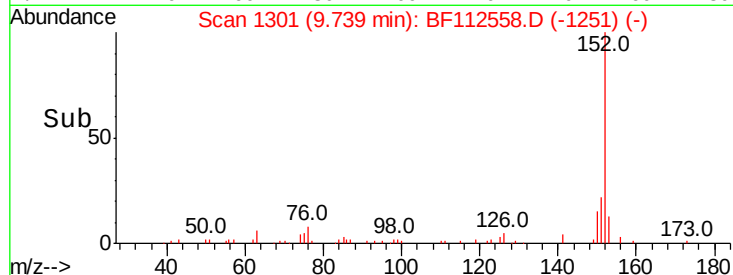
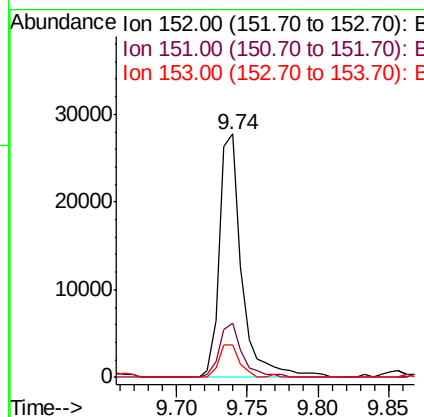
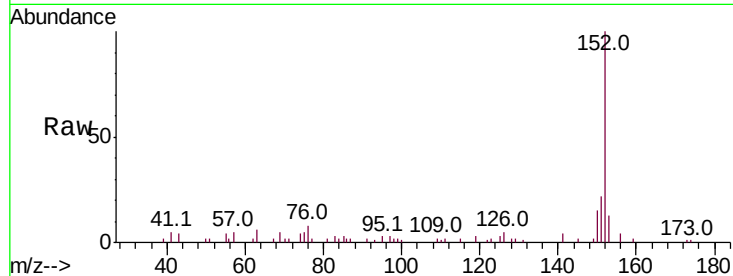
ClientSampleId :

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Tot Ion:	152	Resp:	30622
Ion Ratio	Lower	Upper	
152	100		
151	22.3	17.0	25.6
153	13.1	11.2	16.8

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#55

Dibenzofuran

Concen: 2.336 ng

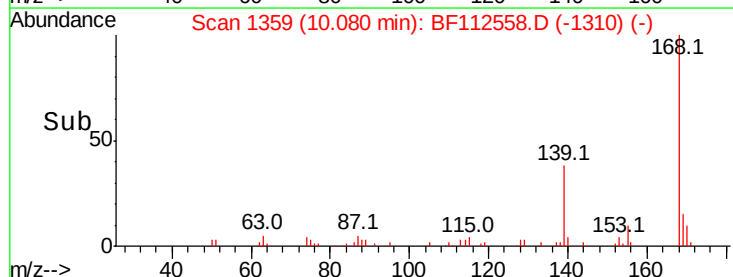
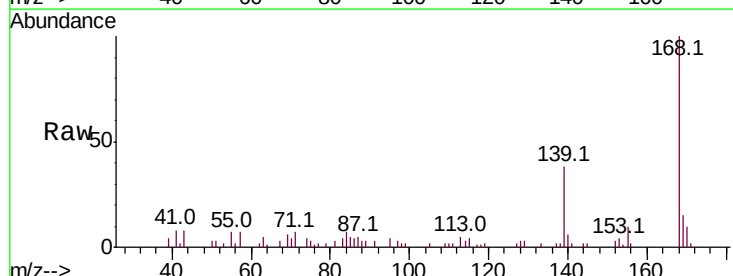
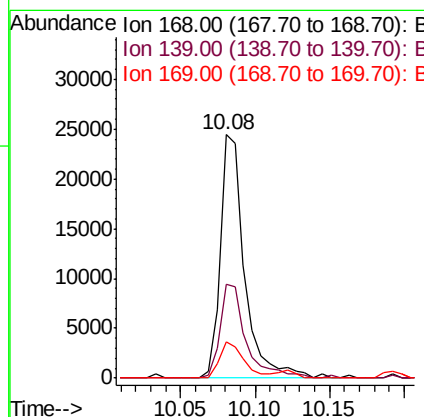
RT: 10.08 min Scan# 1359

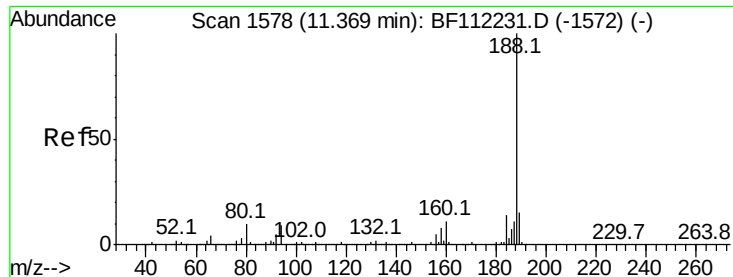
Delta R.T. -0.01 min

Lab File: BF112558.D

Acq: 14 Feb 2019 2:45

Tgt Ion:	168	Resp:	27896
Ion Ratio	Lower	Upper	
168	100		
139	38.4	29.2	43.8
169	14.8	11.4	17.0





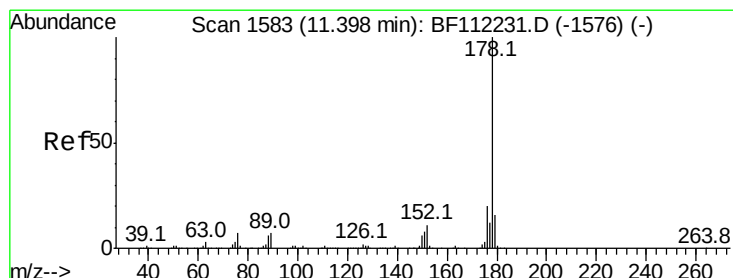
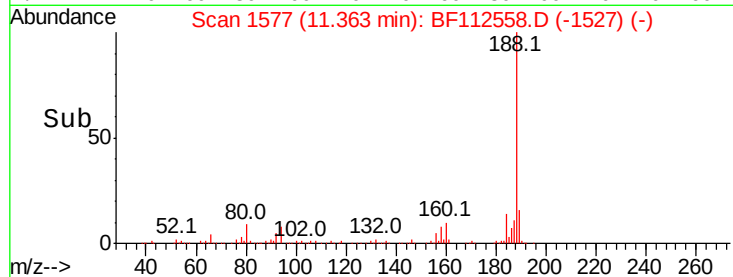
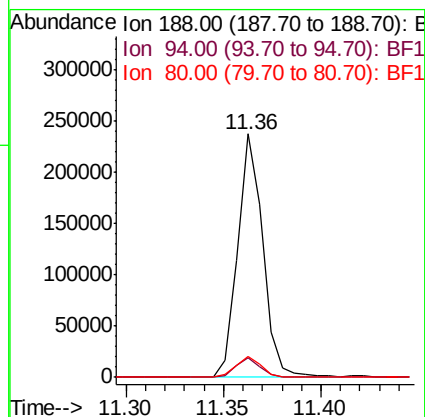
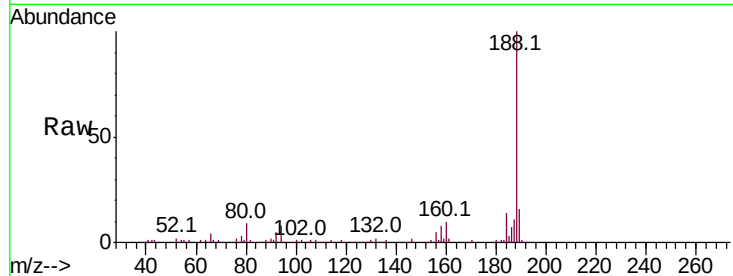
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF112558.D
Acq: 14 Feb 2019 2:45

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.9	8.2	12.2#
80	8.8	8.9	13.3#

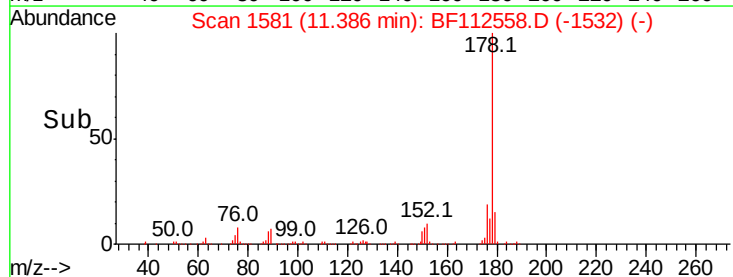
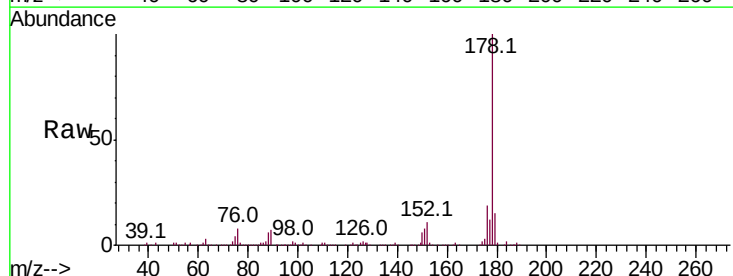
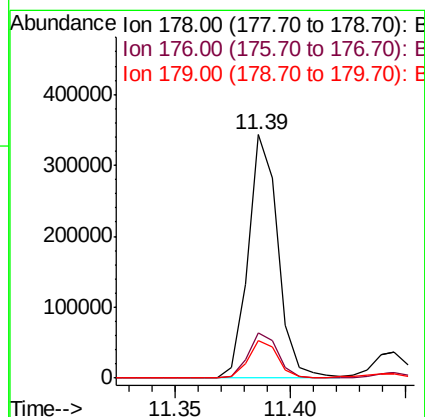
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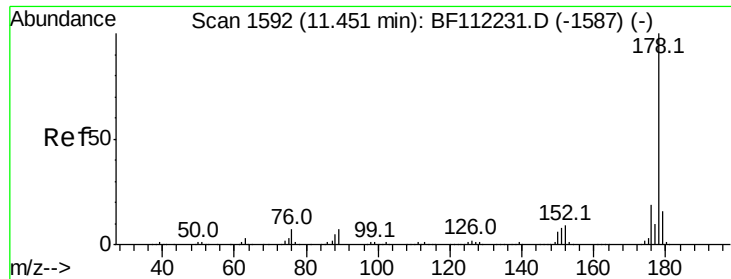
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#71
Phenanthrene
Concen: 28.101 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF112558.D
Acq: 14 Feb 2019 2:45

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.5	16.3	24.5
179	15.3	13.0	19.4





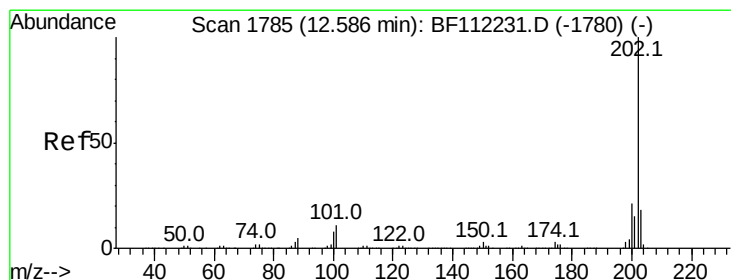
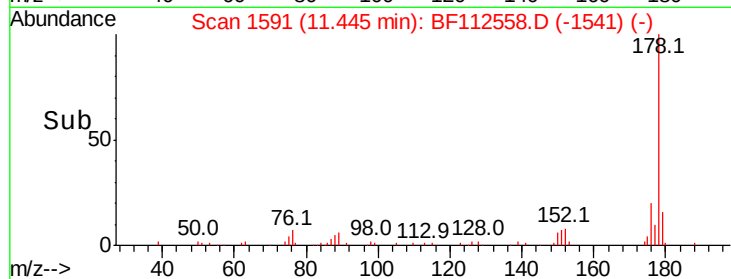
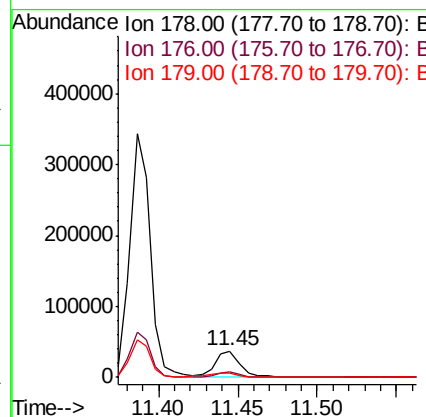
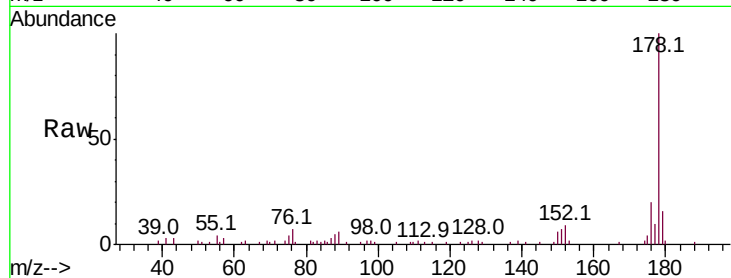
#72
 Anthracene
 Concen: 3.797 ng
 RT: 11.45 min Scan# 1591
 Delta R.T. -0.01 min
 Lab File: BF112558.D
 Acq: 14 Feb 2019 2:45

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-HDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.5	23.3
179	16.1	12.8	19.2

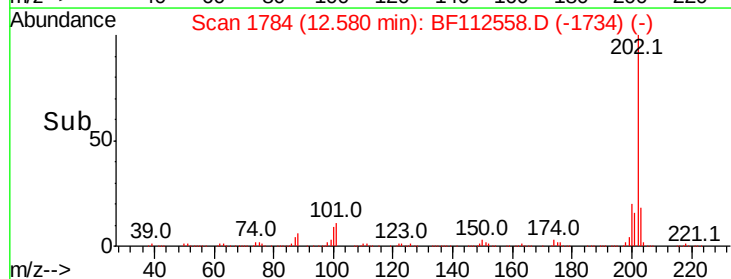
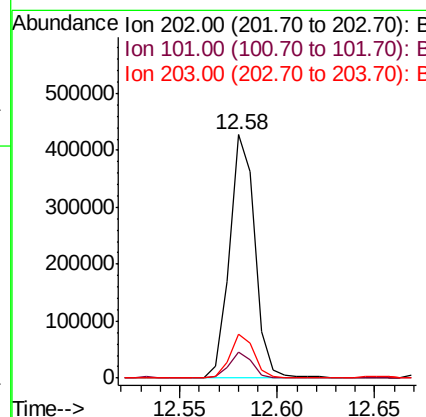
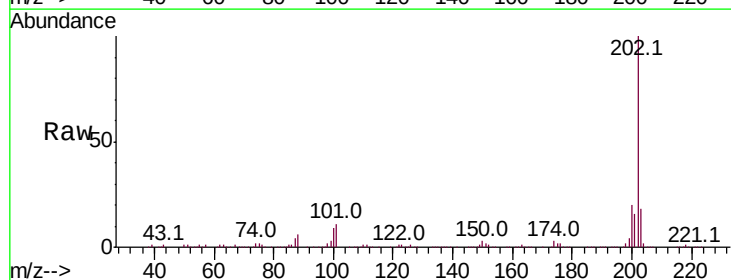
Manual Integrations
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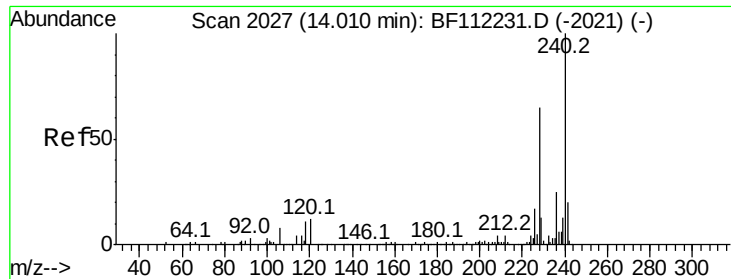
Sohil
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#75
 Fluoranthene
 Concen: 32.575 ng
 RT: 12.58 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: BF112558.D
 Acq: 14 Feb 2019 2:45

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	31.8
203	18.0	0.0	38.4





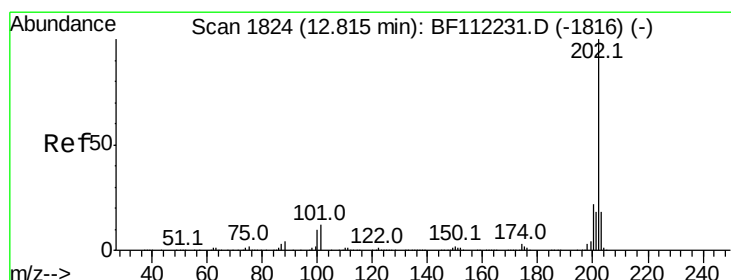
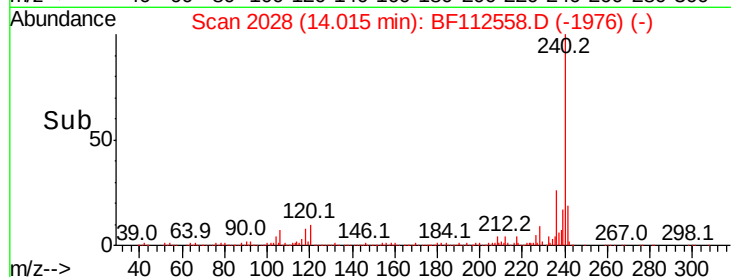
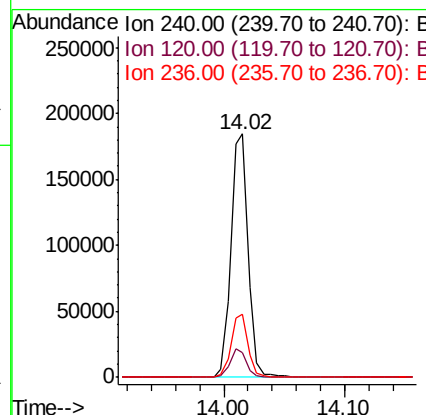
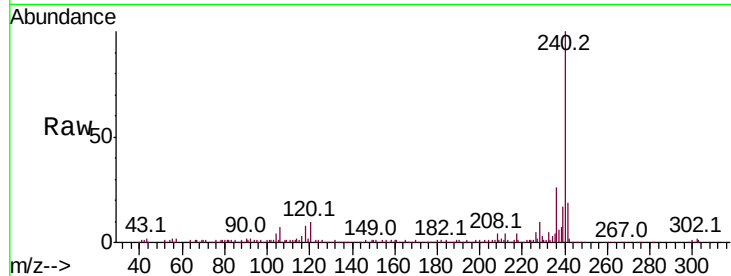
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF112558.D
Acq: 14 Feb 2019 2:45

Instrument :
BNA_F
ClientSampleID :
JC-02-021119-HDL

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.3	9.0	13.6
236	25.8	20.7	31.1

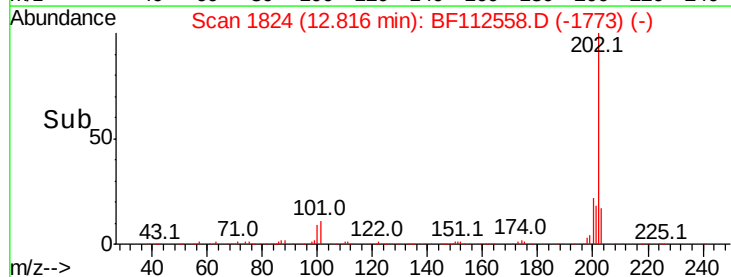
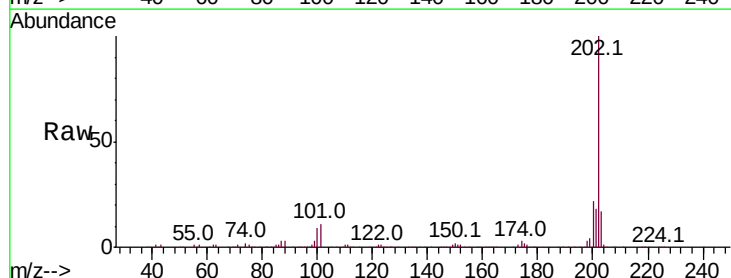
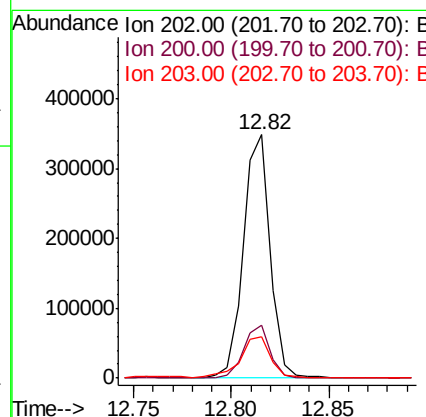
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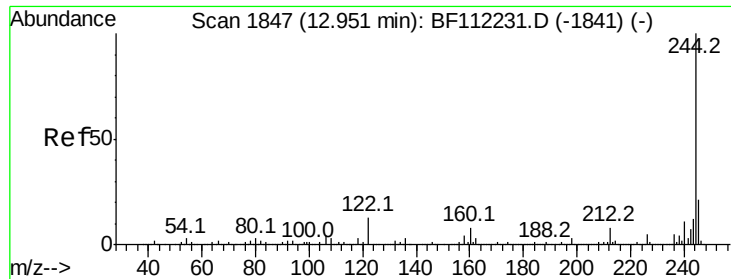
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#78
Pyrene
Concen: 26.242 ng
RT: 12.82 min Scan# 1824
Delta R.T. 0.00 min
Lab File: BF112558.D
Acq: 14 Feb 2019 2:45

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.7	26.5
203	17.2	14.6	22.0





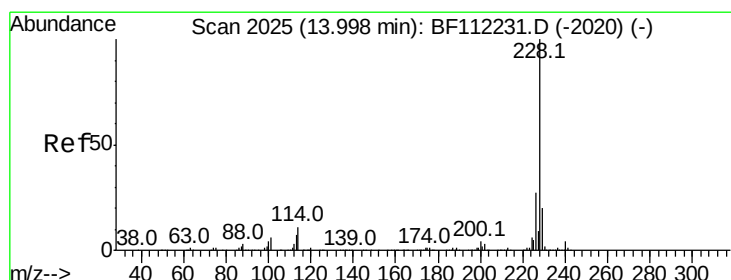
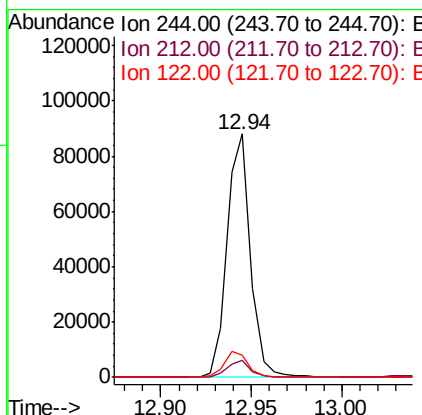
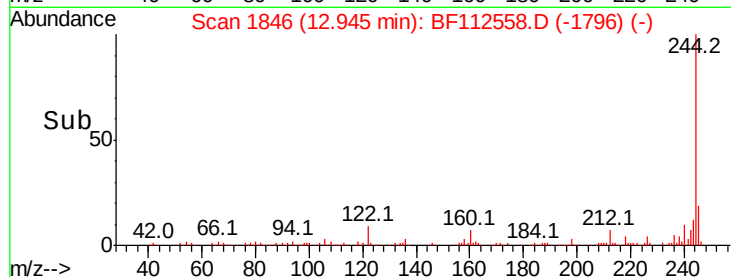
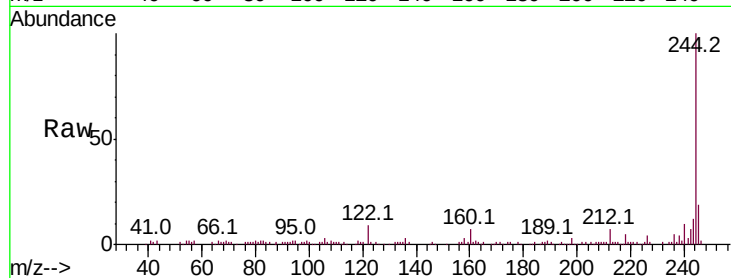
#79
 Terphenyl-d14
 Concen: 8.181 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF112558.D
 Acq: 14 Feb 2019 2:45

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-HDL

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	7.2	5.9	8.9
122	9.1	9.8	14.6

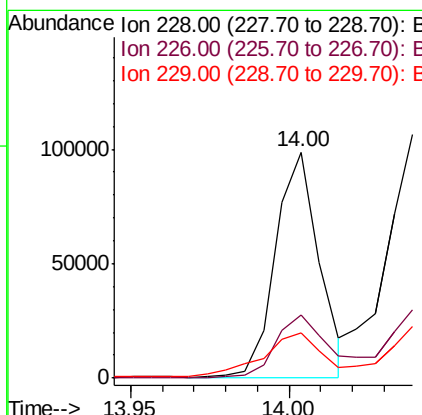
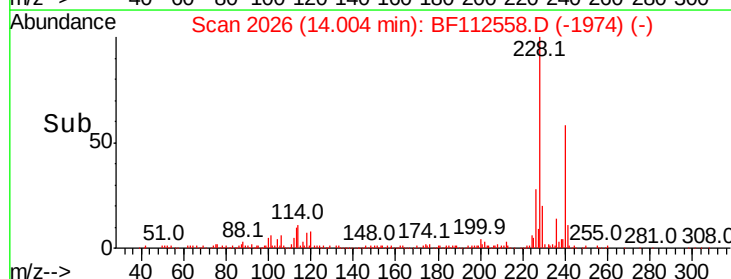
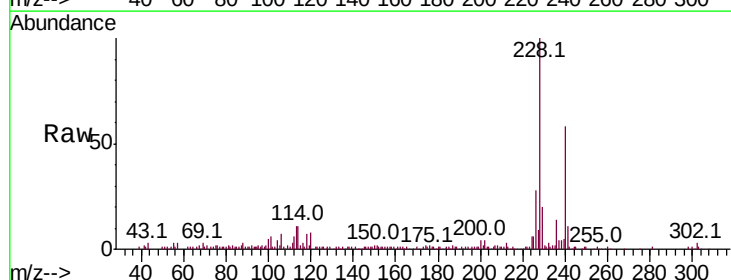
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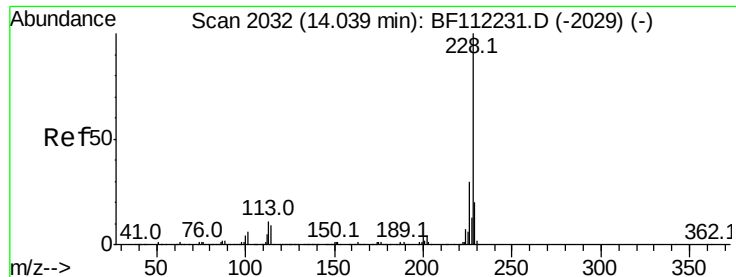
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#81
 Benzo(a)anthracene
 Concen: 8.771 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. 0.01 min
 Lab File: BF112558.D
 Acq: 14 Feb 2019 2:45

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	28.1	22.6	34.0
229	19.9	16.5	24.7





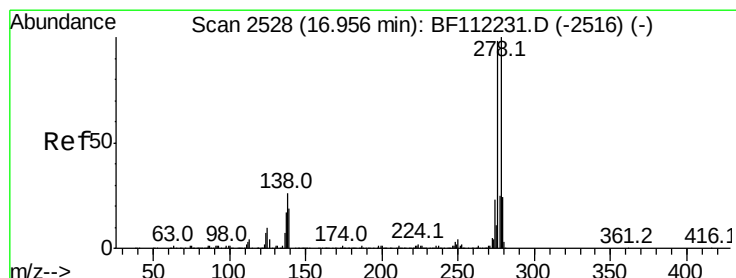
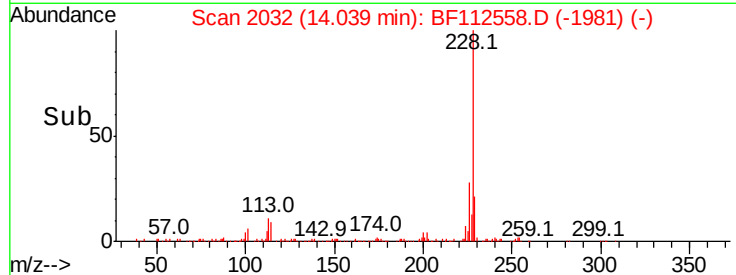
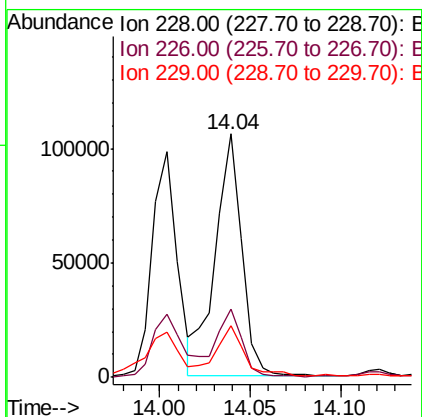
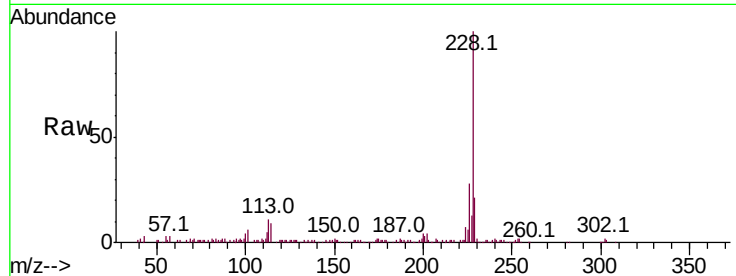
#83
Chrysene
Concen: 10.607 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.00 min
Lab File: BF112558.D
Acq: 14 Feb 2019 2:45

Instrument :
BNA_F
ClientSampleId :
JC-02-021119-HDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	25.0	37.6
229	21.4	16.6	24.8

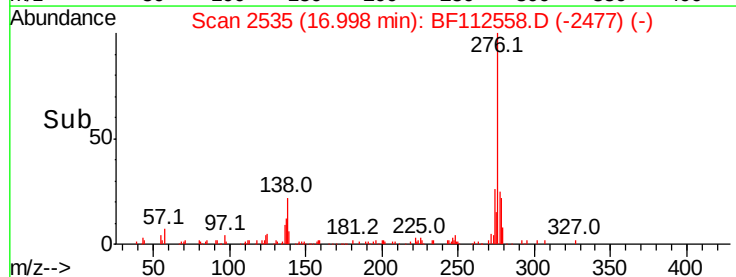
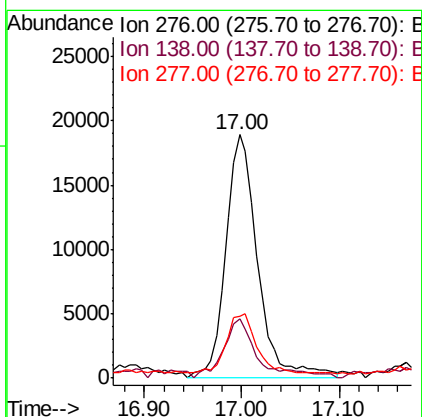
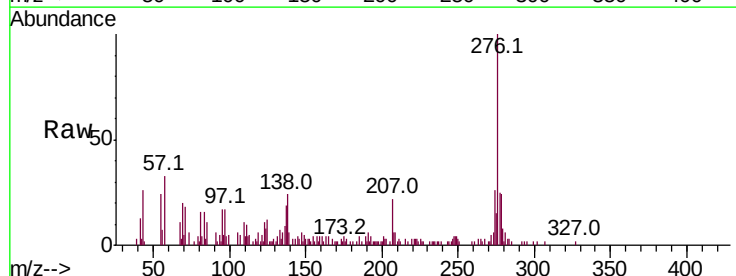
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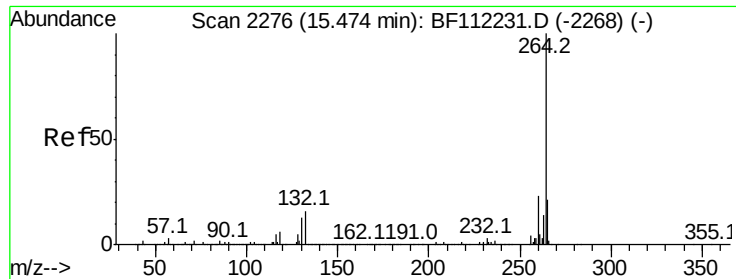
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#86
Indeno(1,2,3-cd)pyrene
Concen: 5.314 ng
RT: 17.00 min Scan# 2535
Delta R.T. 0.04 min
Lab File: BF112558.D
Acq: 14 Feb 2019 2:45

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.9	22.6	34.0
277	22.5	20.3	30.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2279

Delta R.T. 0.02 min

Lab File: BF112558.D

Acq: 14 Feb 2019 2:45

Instrument :

BNA_F

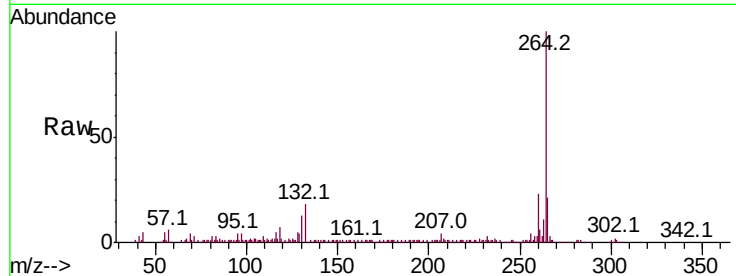
ClientSampleId :

JC-02-021119-HDL

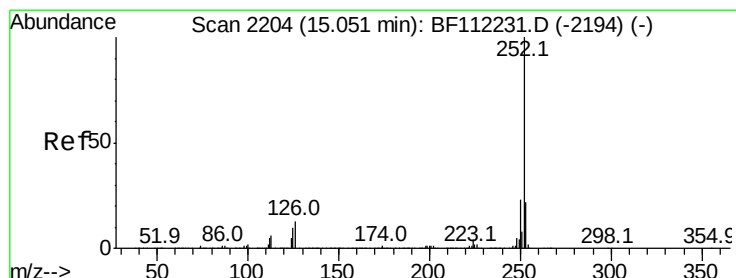
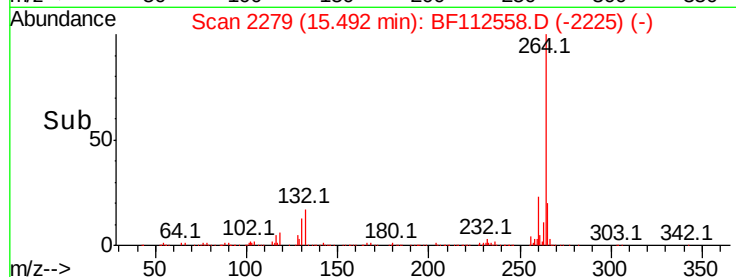
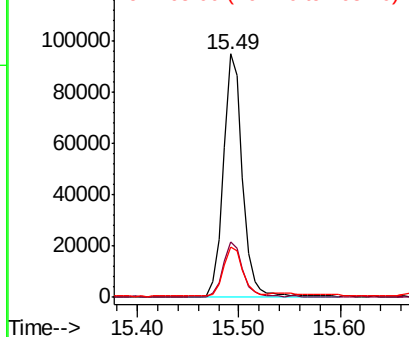
Tot Ion:	264	Resp:	125198
Ion Ratio		Lower	Upper
264	100		
260	23.0	18.2	27.2
265	20.9	17.0	25.4

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 12.708 ng m

RT: 15.06 min Scan# 2206

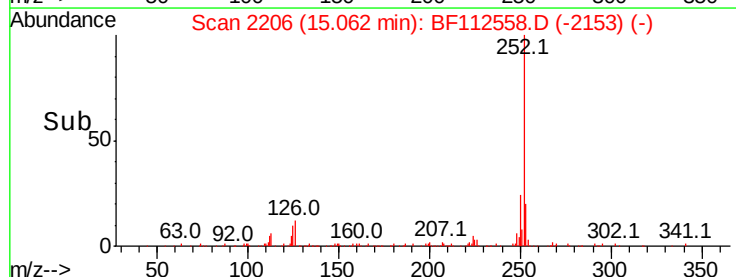
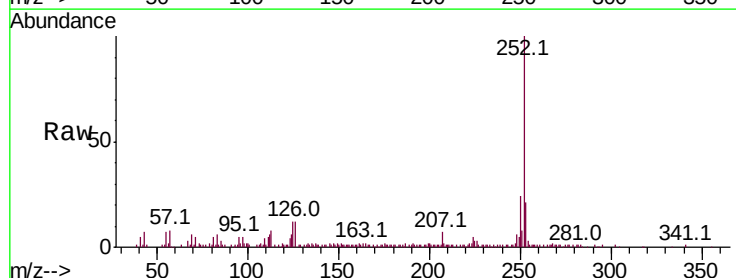
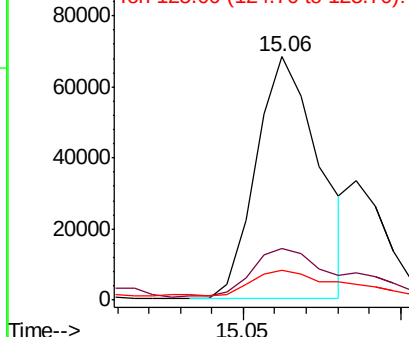
Delta R.T. 0.01 min

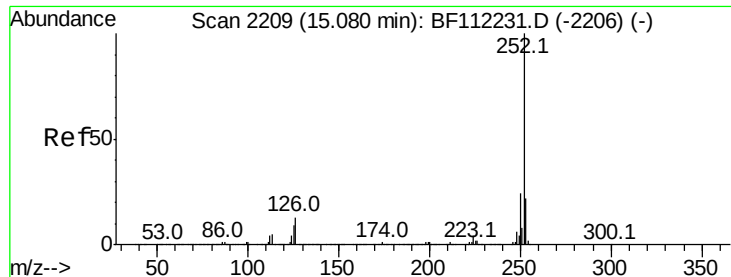
Lab File: BF112558.D

Acq: 14 Feb 2019 2:45

Tgt Ion:	252	Resp:	95151
Ion Ratio		Lower	Upper
252	100		
253	21.1	18.0	27.0
125	12.3	8.7	13.1

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





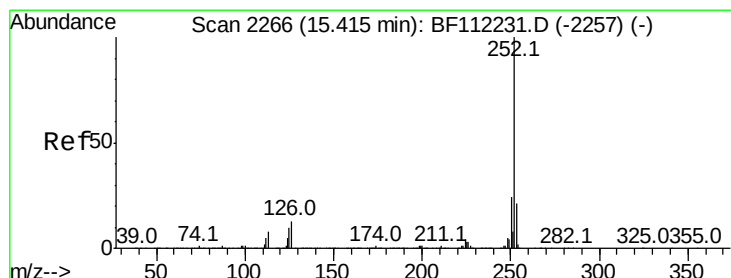
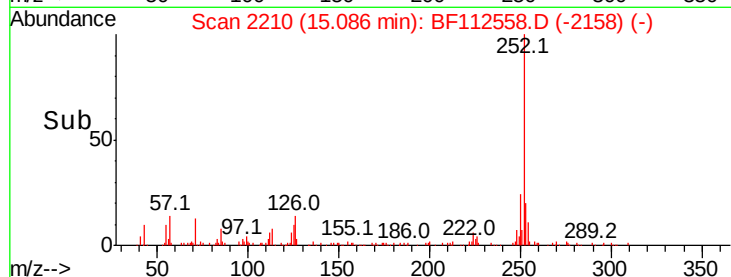
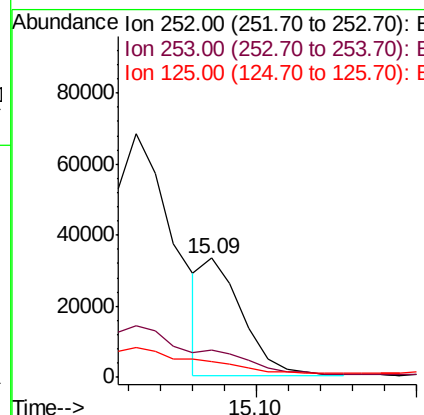
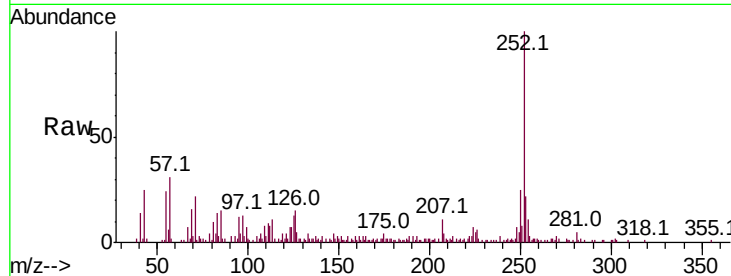
#89
Benzo(k)fluoranthene
Concen: 4.000 ng m
RT: 15.09 min Scan# 2210
Delta R.T. 0.01 min
Lab File: BF112558.D
Acq: 14 Feb 2019 2:45

Instrument :
BNA_F
ClientSampleId :
JC-02-021119-HDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	13.2	9.1	13.7

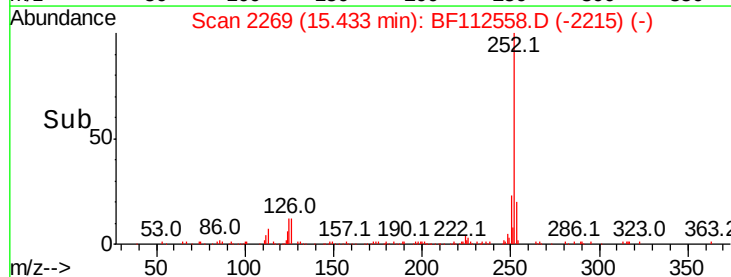
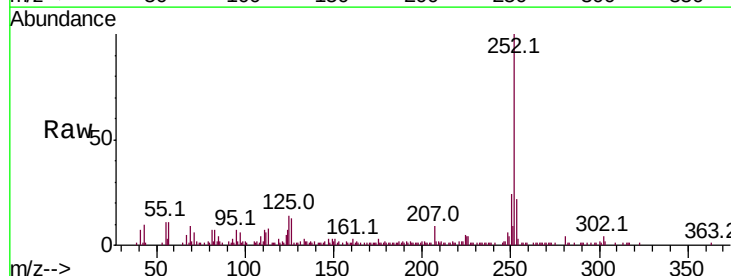
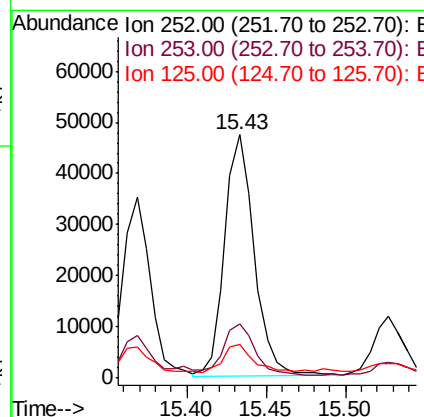
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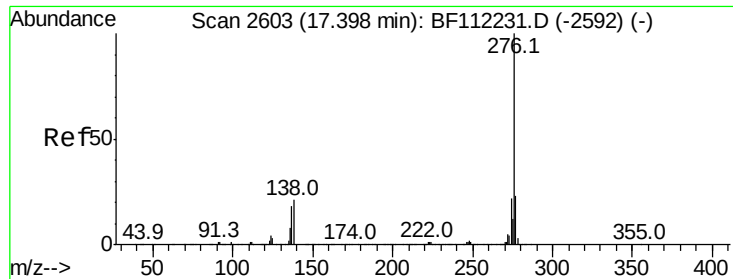
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#90
Benzo(a)pyrene
Concen: 9.089 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.02 min
Lab File: BF112558.D
Acq: 14 Feb 2019 2:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	14.0	9.0	13.4





#92
 Benzo(a,h,i)perylene
 Concen: 7.614 ng
 RT: 17.46 min Scan# 2613
 Delta R.T. 0.06 min
 Lab File: BF112558.D
 Acq: 14 Feb 2019 2:45

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-HDL

Tot Ion:	276	Resp:	39003
Ion Ratio	Lower	Upper	
276	100		
277	25.9	19.4	29.0
138	22.0	19.1	28.7

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