

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021219\
 Data File : BF112516.D
 Acq On : 12 Feb 2019 19:30
 Operator : JU/SJ
 Sample : K1343-07 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Sohil
 2/13/2019 11:12:17 AM

Quant Time: Feb 13 04:43:20 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	120153	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	461987	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	204004	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	330409	20.00	ng	0.00
76) Chrysene-d12	14.01	240	278214	20.00	ng	0.00
87) Perylene-d12	15.49	264	232570	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	385007	68.06	ng	-0.01
7) Phenol-d6	6.48	99	479828	61.04	ng	-0.01
23) Nitrobenzene-d5	7.40	82	298336	37.21	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	113759	47.91	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	563058	39.04	ng	-0.01
79) Terphenyl-d14	12.94	244	463895	31.40	ng	0.00
Target Compounds						
10) Phenol	6.50	94	24938	2.892	ng	94
50) Dimethylphthalate	9.59	163	64940	4.097	ng	97
71) Phenanthrene	11.39	178	191891	11.171	ng	97
72) Anthracene	11.44	178	60905	3.559	ng	97
75) Fluoranthene	12.58	202	261133	14.174	ng	97
78) Pyrene	12.81	202	219334	11.387	ng	98
81) Benzo(a)anthracene	14.00	228	120149	7.346	ng	99
83) Chrysene	14.03	228	108776	6.968	ng	97
86) Indeno(1,2,3-cd)pyrene	16.99	276	29792	2.408	ng	98
88) Benzo(b)fluoranthene	15.06	252	101393m	7.290	ng	
89) Benzo(k)fluoranthene	15.08	252	36447m	2.736	ng	
90) Benzo(a)pyrene	15.43	252	70086	5.600	ng	# 91
92) Benzo(a,h,i)perylene	17.45	276	29875	3.139	ng	# 87

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

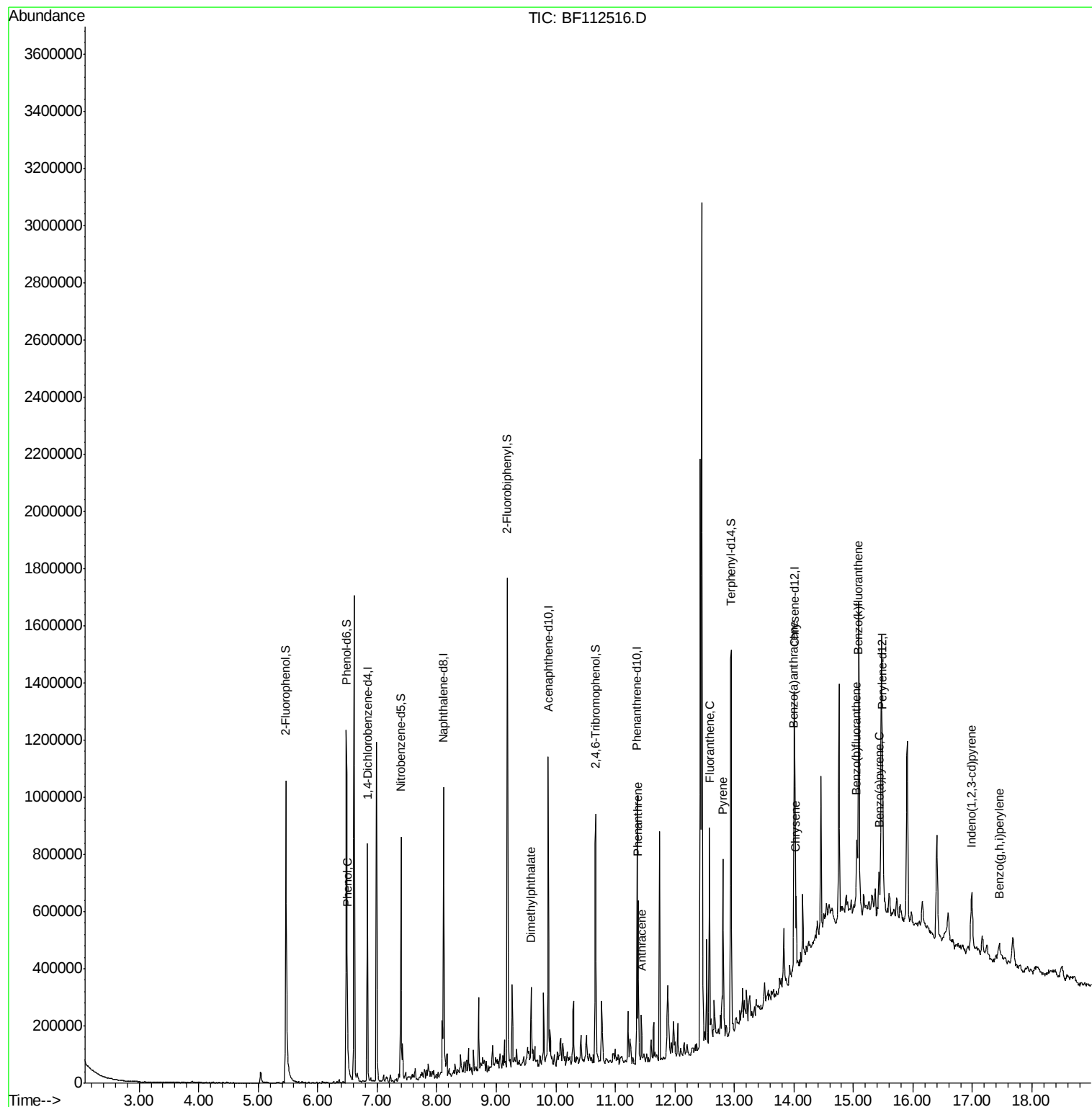
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021219\
Data File : BF112516.D
Acq On : 12 Feb 2019 19:30
Operator : JU/SJ
Sample : K1343-07 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

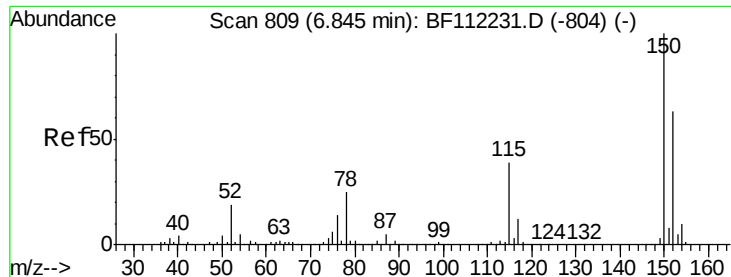
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-D

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

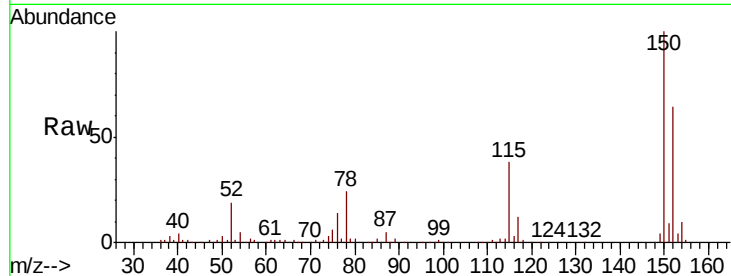
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112516.D
Acq: 12 Feb 2019 19:30

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	127.4	191.0
115	59.8	45.5	68.3

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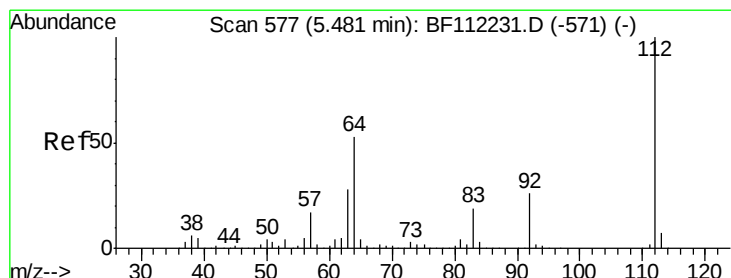
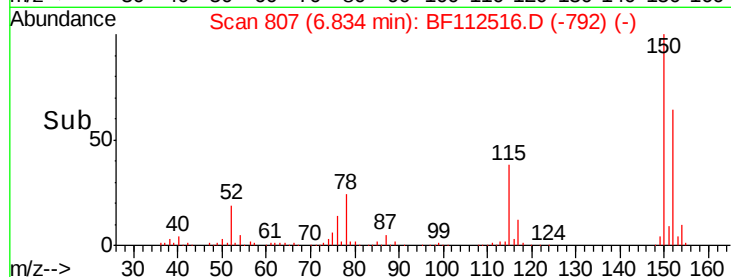
Abundance

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

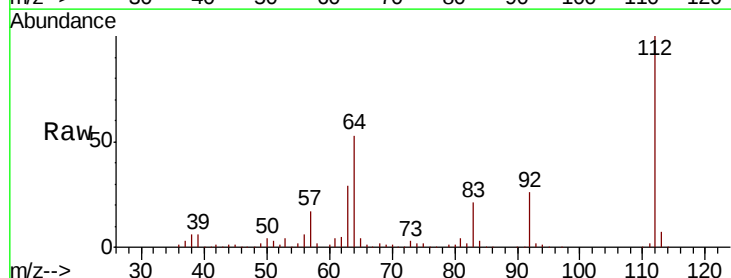
Time-->



#5

2-Fluorophenol
Concen: 68.062 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF112516.D
Acq: 12 Feb 2019 19:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.8	45.7	68.5
63	29.1	23.6	35.4



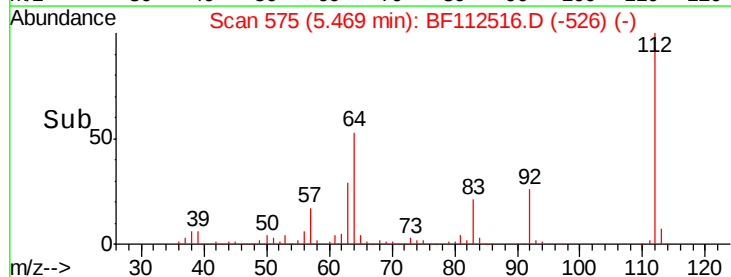
Abundance

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

Time-->





#7

Phenol-d6

Concen: 61.044 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112516.D

Acq: 12 Feb 2019 19:30

Instrument :

BNA_F

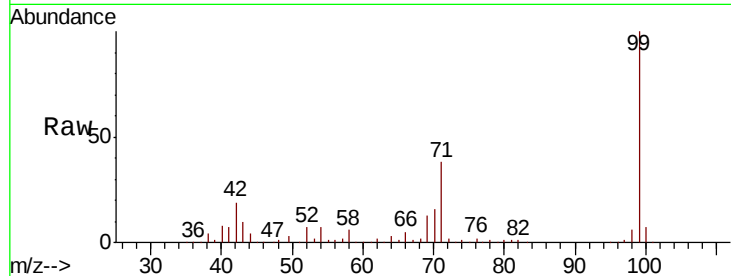
ClientSampleId :

JC-02-021119-D

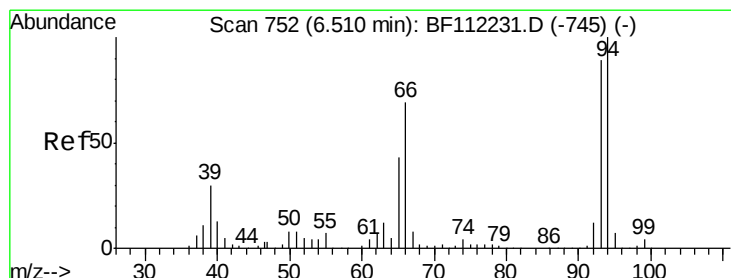
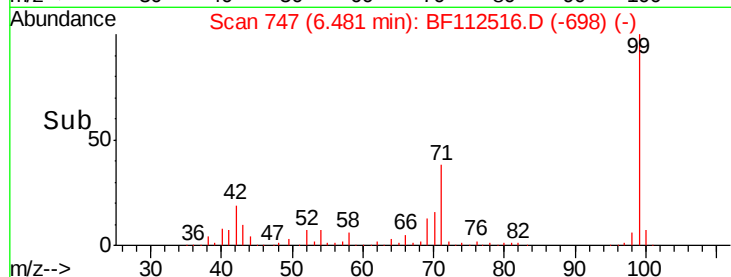
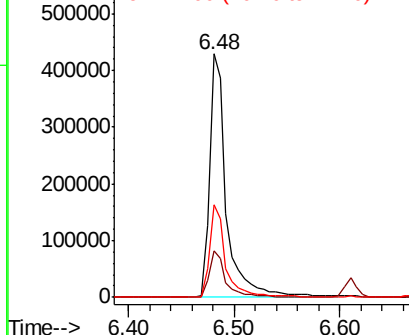
Tot Ion:	99	Resp:	479828
Ion	Ratio	Lower	Upper
99	100		
42	19.3	15.1	22.7
71	38.0	26.9	40.3

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.892 ng

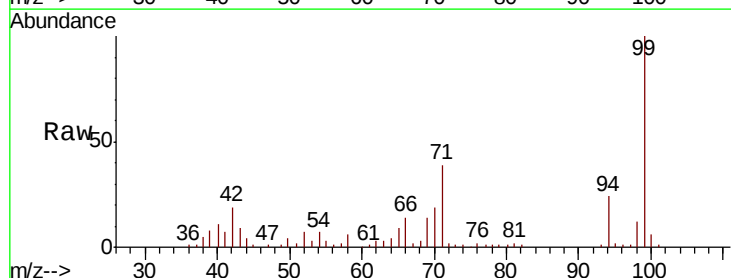
RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

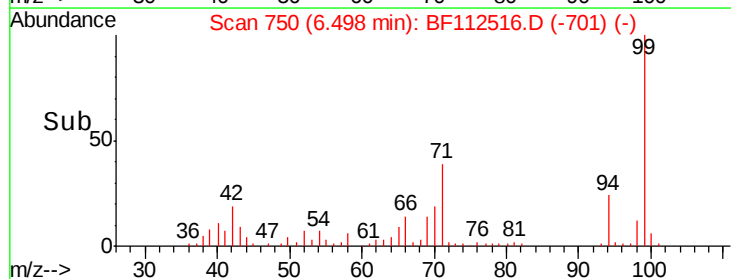
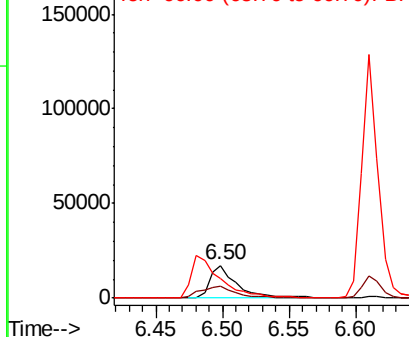
Lab File: BF112516.D

Acq: 12 Feb 2019 19:30

Tgt Ion:	94	Resp:	24938
Ion	Ratio	Lower	Upper
94	100		
65	36.7	20.3	60.3
66	57.8	42.4	82.4



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF112516.D

Acq: 12 Feb 2019 19:30

Instrument :

BNA_F

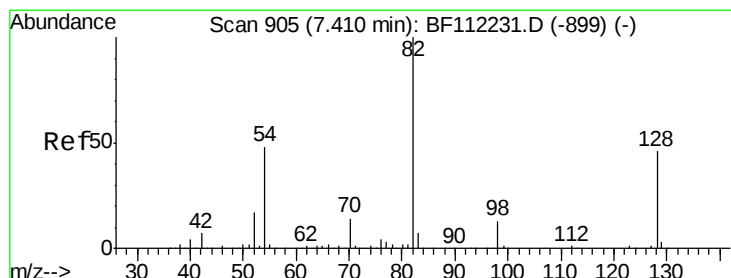
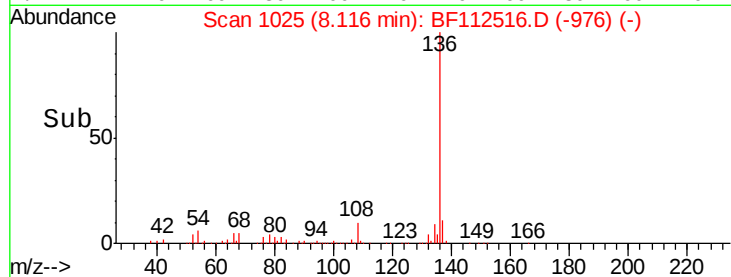
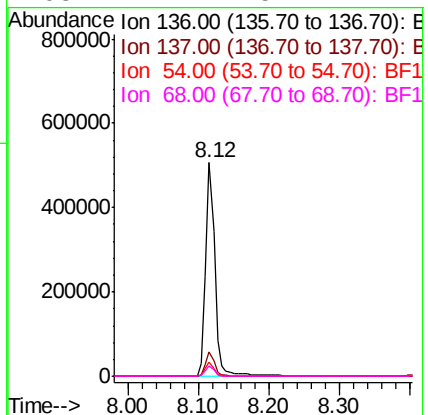
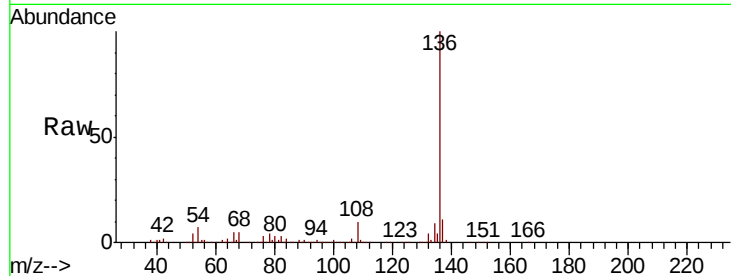
ClientSampleId :

JC-02-021119-D

Tot Ion	Ratio	Resp	Lower	Upper
136	100	461987		
137	11.1	9.1	13.7	
54	6.5	5.9	8.9	
68	4.7	5.1	7.7	

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#23

Nitrobenzene-d5

Concen: 37.209 ng

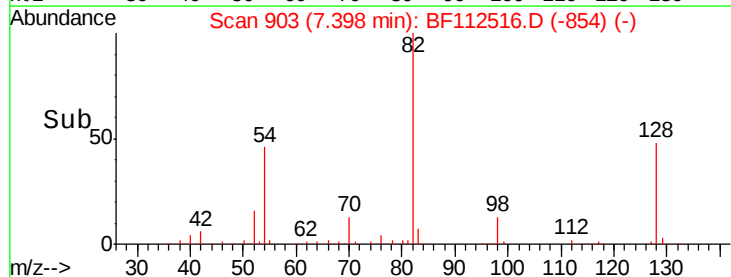
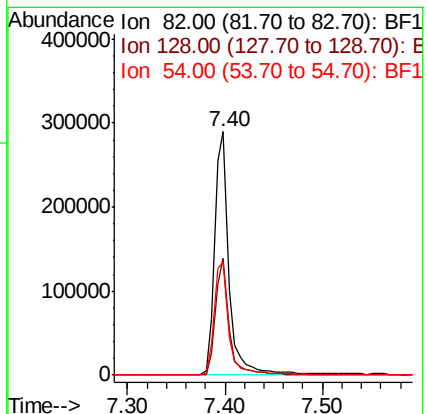
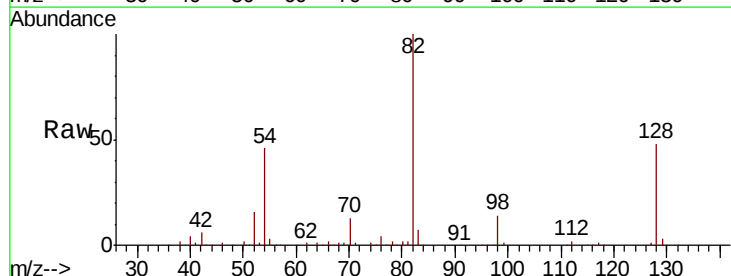
RT: 7.40 min Scan# 903

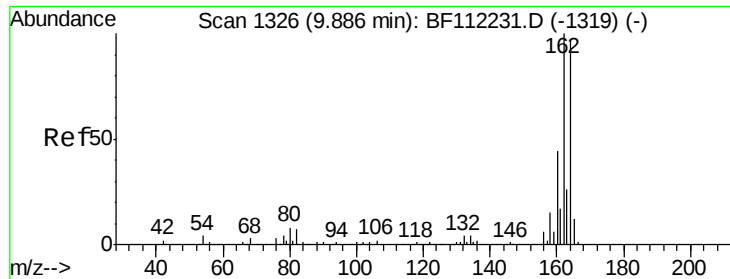
Delta R.T. -0.01 min

Lab File: BF112516.D

Acq: 12 Feb 2019 19:30

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	298336		
128	48.1	37.8	56.8	
54	46.4	39.7	59.5	





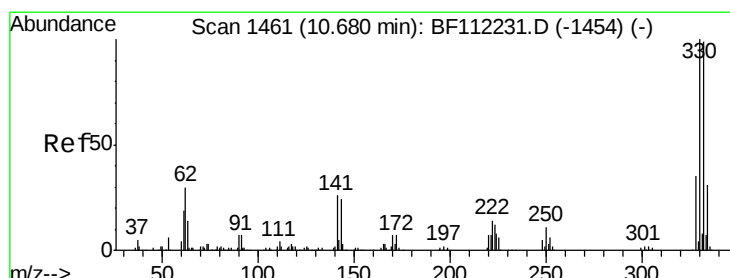
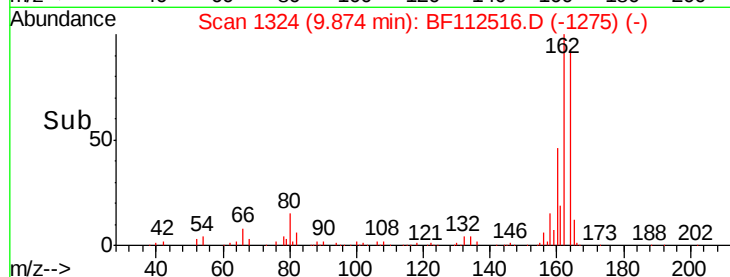
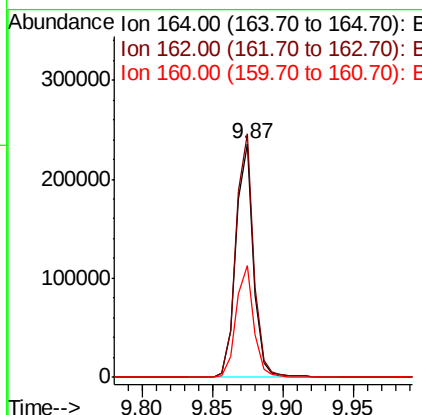
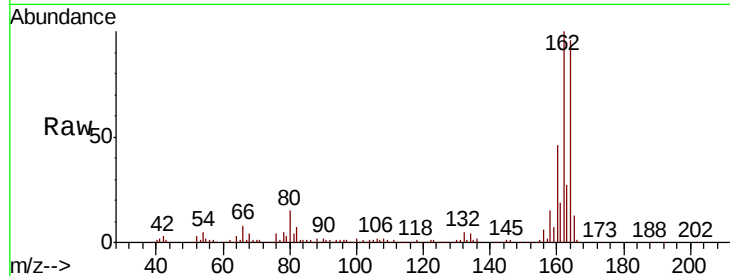
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF112516.D
Acq: 12 Feb 2019 19:30

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

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.2	82.2	123.4	
160	47.9	36.2	54.4	

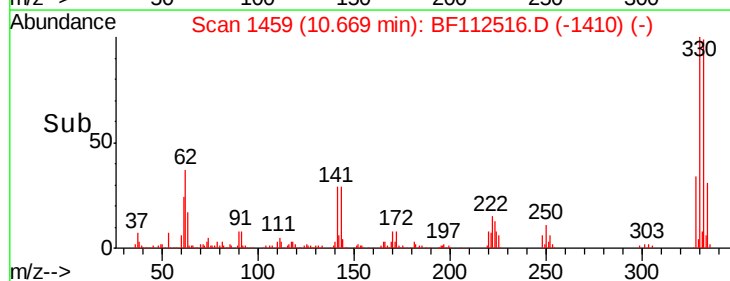
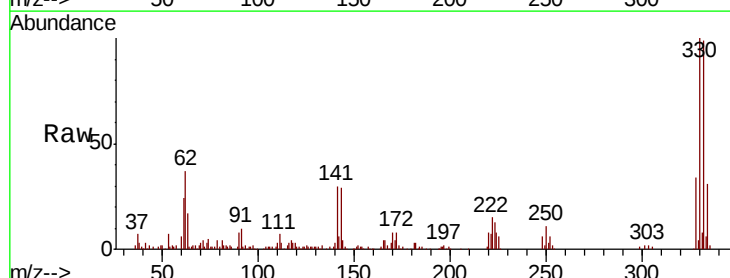
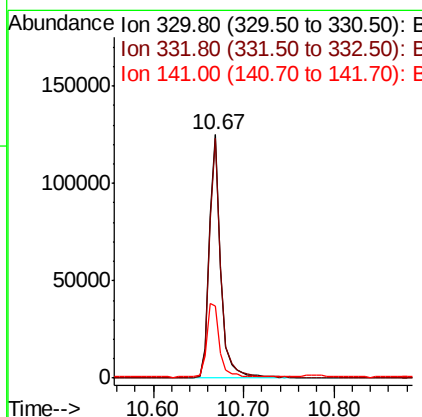
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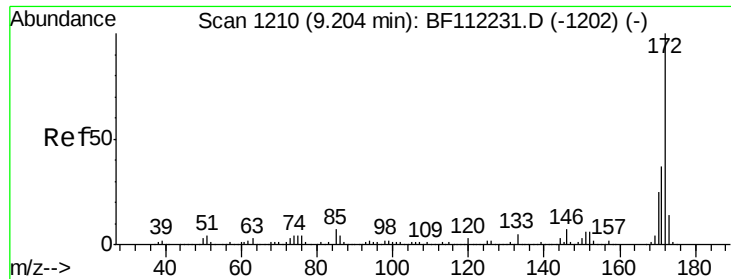
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#42
2,4,6-Tribromophenol
Concen: 47.908 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF112516.D
Acq: 12 Feb 2019 19:30

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.0	76.6	114.8	
141	33.9	24.3	36.5	





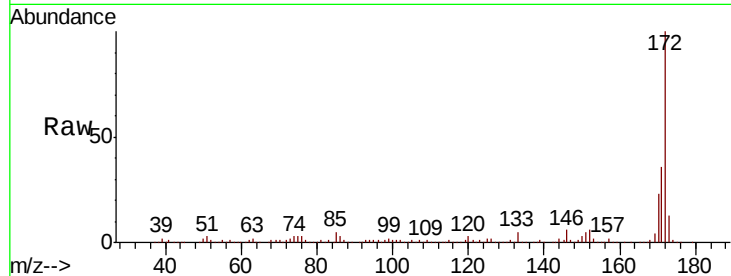
#45
2-Fluorobiphenyl
Concen: 39.036 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BF112516.D
Acq: 12 Feb 2019 19:30

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

Tot Ion	Ratio	Resp	Lower	Upper
172	100	563058		
171	35.7		30.5	45.7
170	23.2		20.2	30.4

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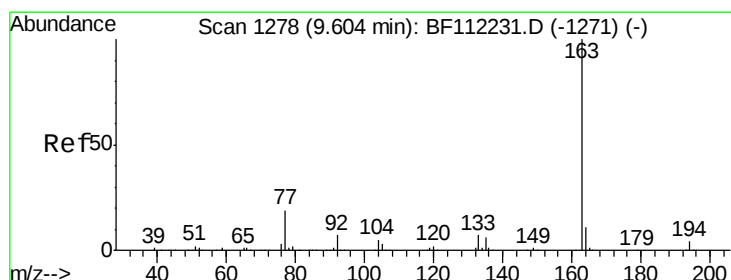
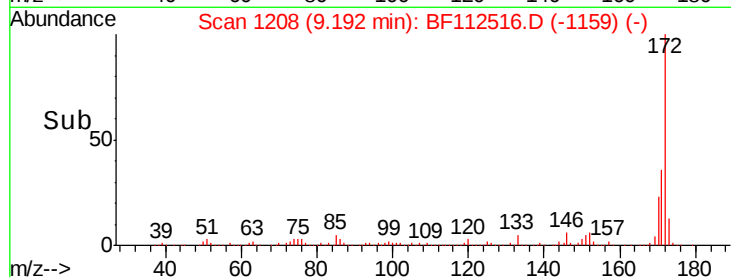
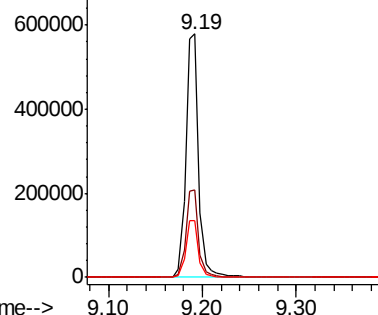


Abundance

Ion 172.00 (171.70 to 172.70): E

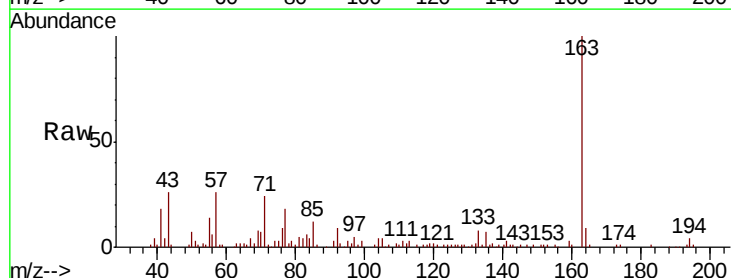
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 4.097 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF112516.D
Acq: 12 Feb 2019 19:30

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	64940		
194	4.5		3.3	4.9
164	9.0		8.5	12.7

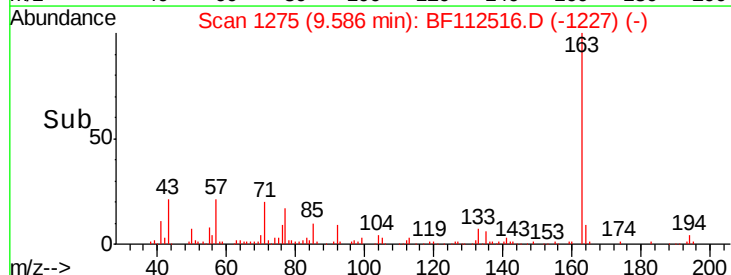
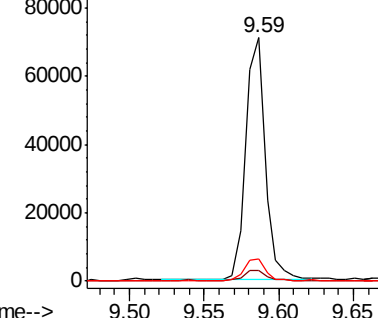


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





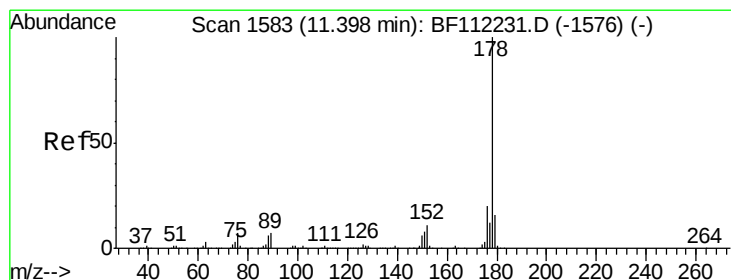
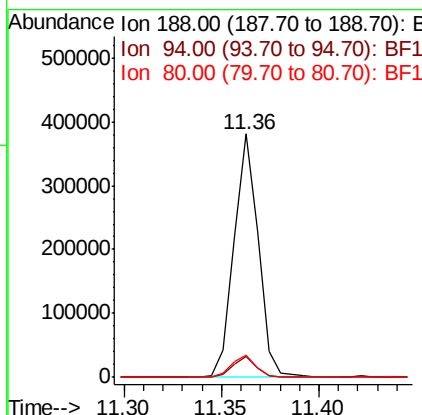
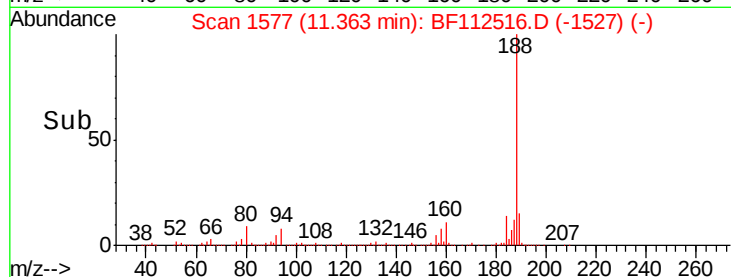
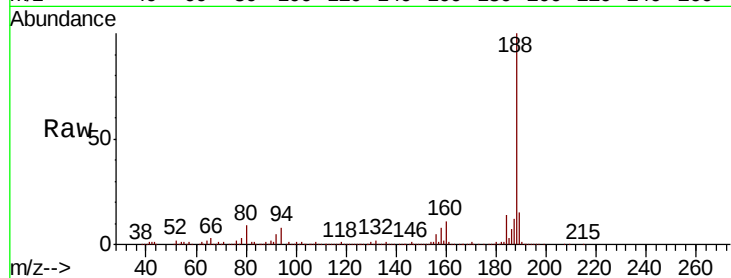
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF112516.D
Acq: 12 Feb 2019 19:30

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

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.5	8.2	12.2
80	9.1	8.9	13.3

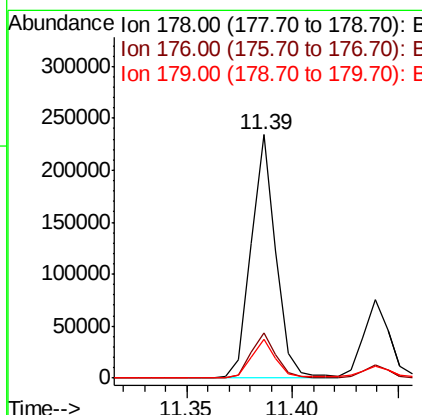
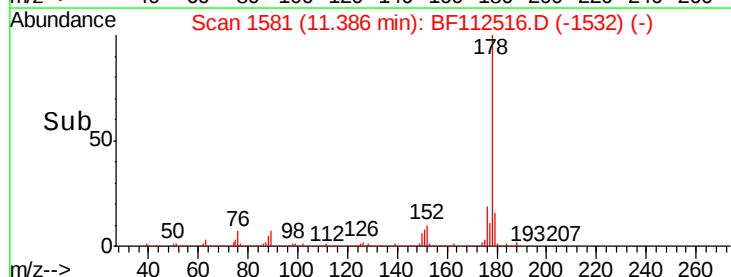
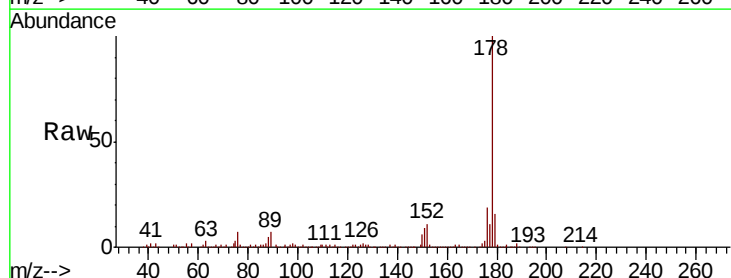
Manual Integrations
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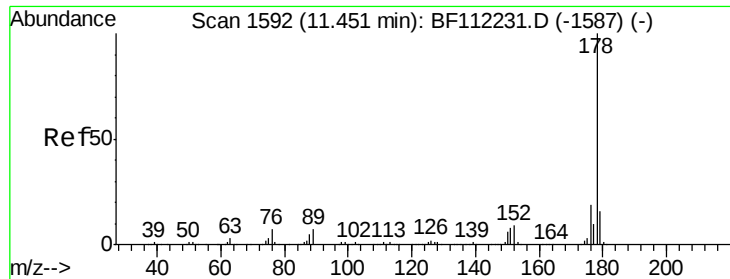
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#71
Phenanthrene
Concen: 11.171 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF112516.D
Acq: 12 Feb 2019 19:30

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.6	16.3	24.5
179	15.8	13.0	19.4





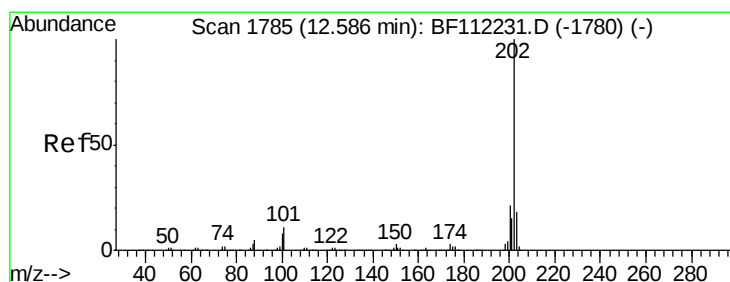
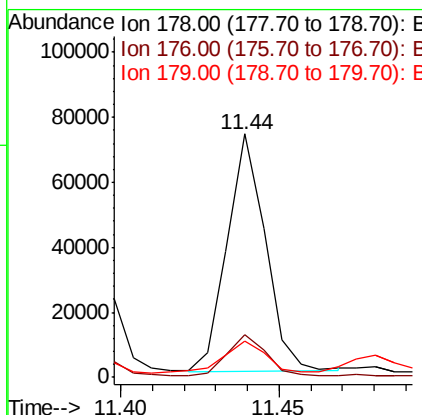
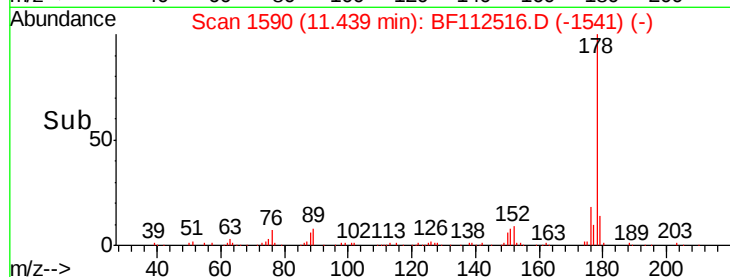
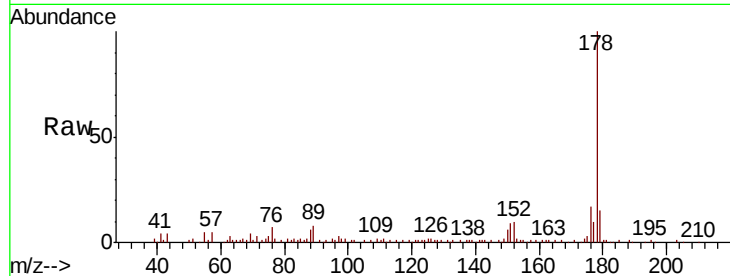
#72
 Anthracene
 Concen: 3.559 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF112516.D
 Acq: 12 Feb 2019 19:30

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.5	23.3
179	15.0	12.8	19.2

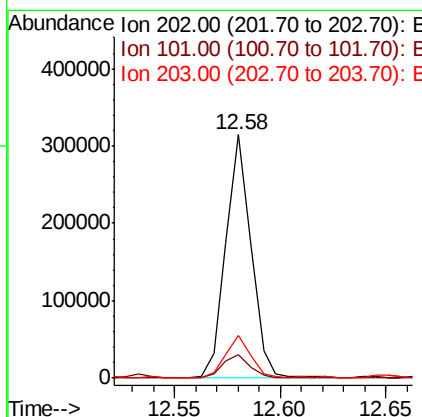
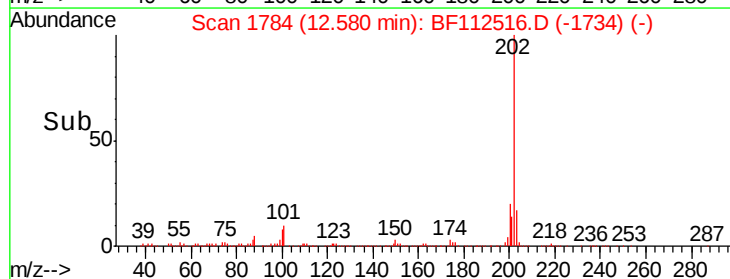
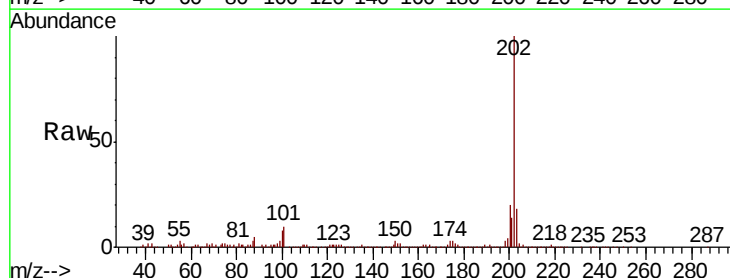
Manual Integrations
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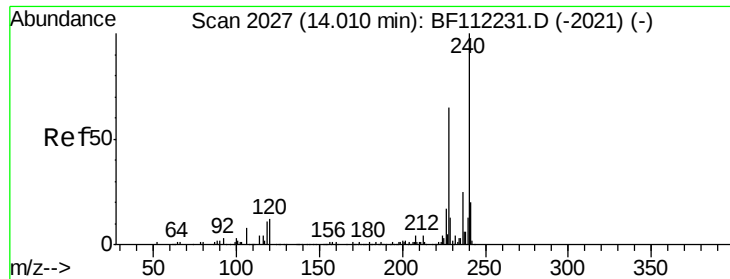
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#75
 Fluoranthene
 Concen: 14.174 ng
 RT: 12.58 min Scan# 1784
 Delta R.T. -0.01 min
 Lab File: BF112516.D
 Acq: 12 Feb 2019 19:30

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	31.8
203	17.6	0.0	38.4





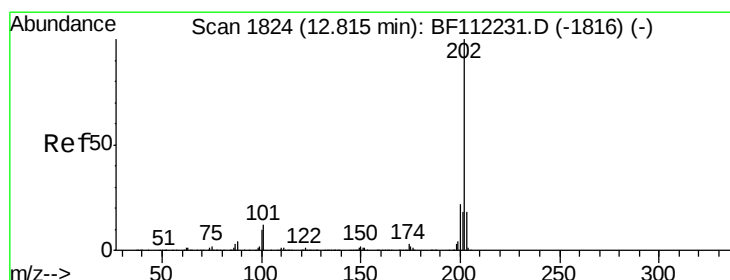
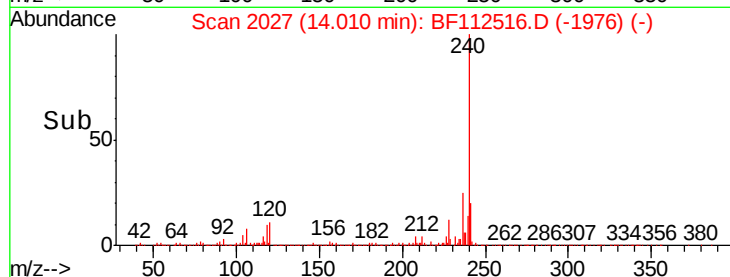
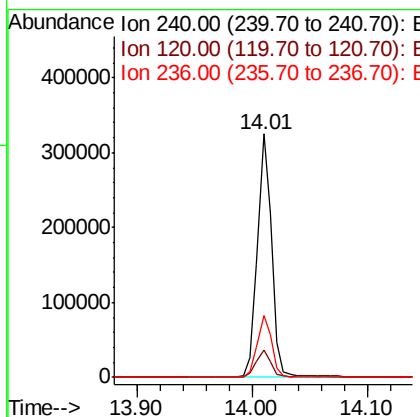
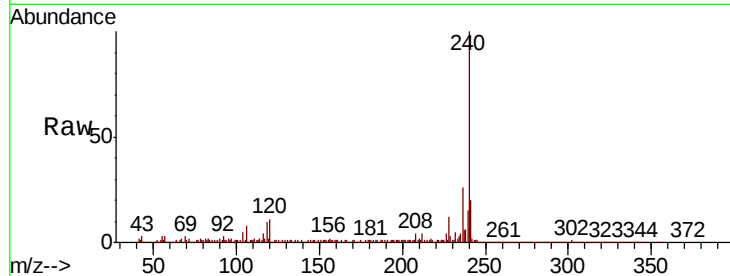
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF112516.D
Acq: 12 Feb 2019 19:30

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

Tot Ion	Ratio	Resp	Lower	Upper
240	100	278214		
120	11.4	9.0	13.6	
236	25.5	20.7	31.1	

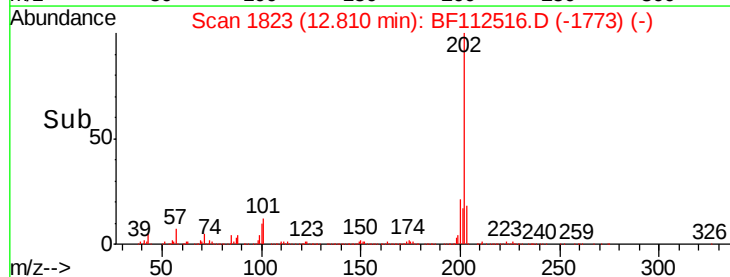
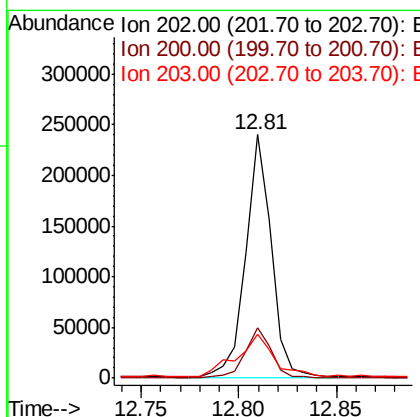
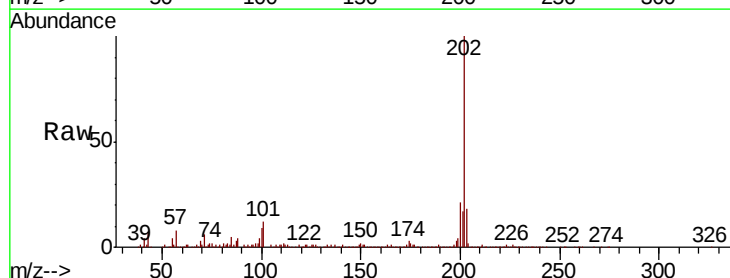
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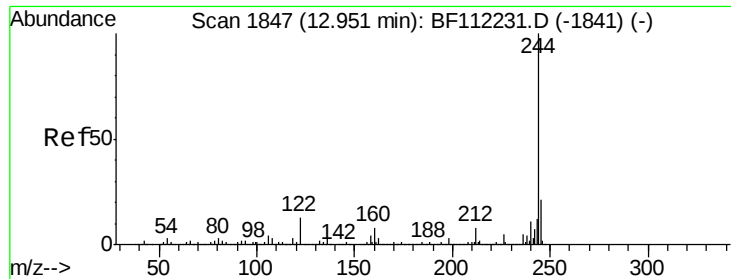
Sohil
2/13/2019 11:12:17 AM



#78
Pyrene
Concen: 11.387 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.01 min
Lab File: BF112516.D
Acq: 12 Feb 2019 19:30

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	219334		
200	20.8	17.7	26.5	
203	18.1	14.6	22.0	





#79

Terphenyl-d14

Concen: 31.405 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF112516.D

Acq: 12 Feb 2019 19:30

Instrument :

BNA_F

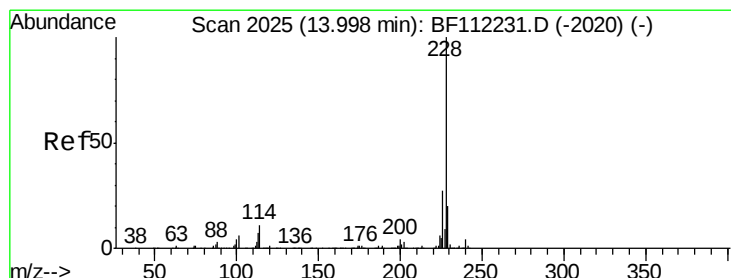
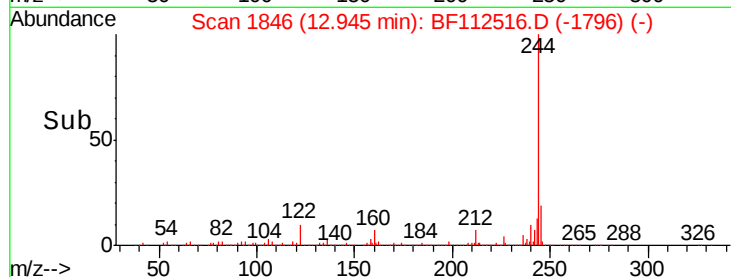
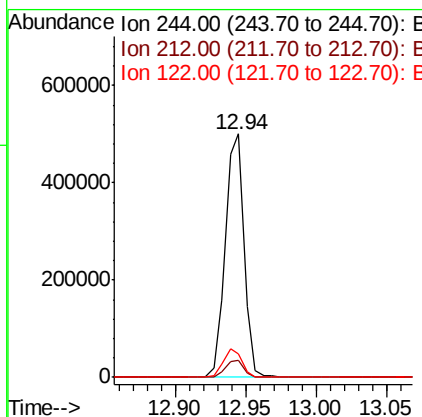
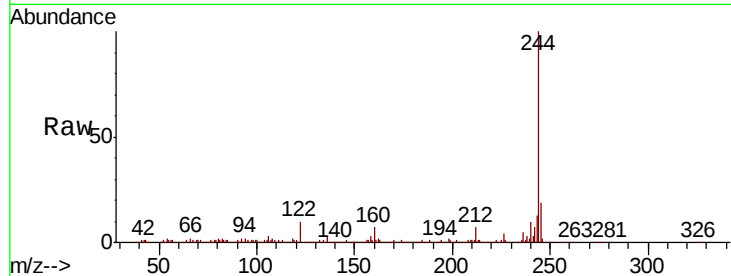
ClientSampleId :

JC-02-021119-D

Tot Ion:	244	Resp:	463895
Ion Ratio		Lower	Upper
244	100		
212	6.9	5.9	8.9
122	9.7	9.8	14.6#

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#81

Benzo(a)anthracene

Concen: 7.346 ng

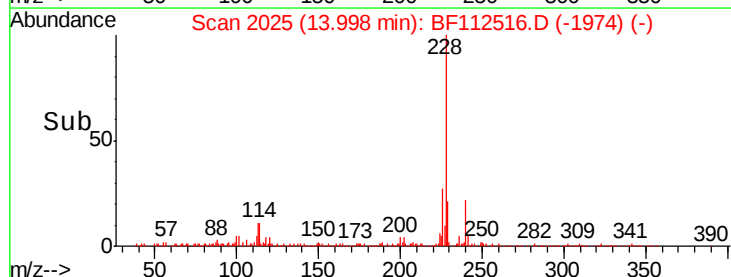
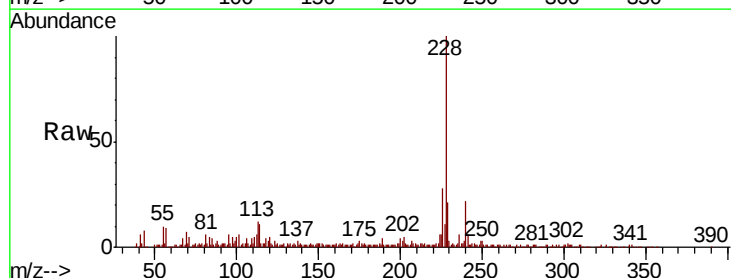
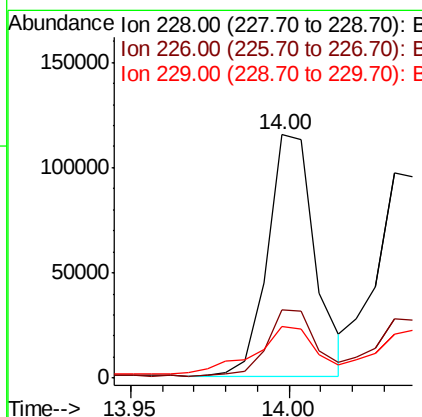
RT: 14.00 min Scan# 2025

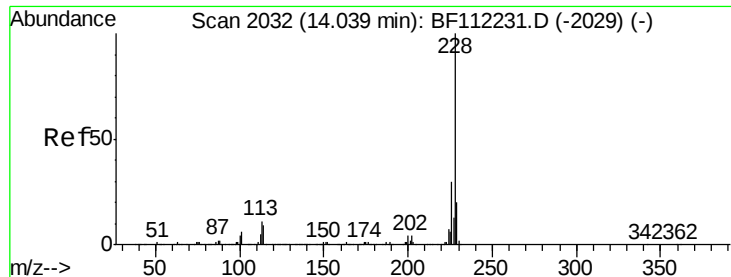
Delta R.T. 0.00 min

Lab File: BF112516.D

Acq: 12 Feb 2019 19:30

Tgt Ion:	228	Resp:	120149
Ion Ratio		Lower	Upper
228	100		
226	27.9	22.6	34.0
229	21.4	16.5	24.7





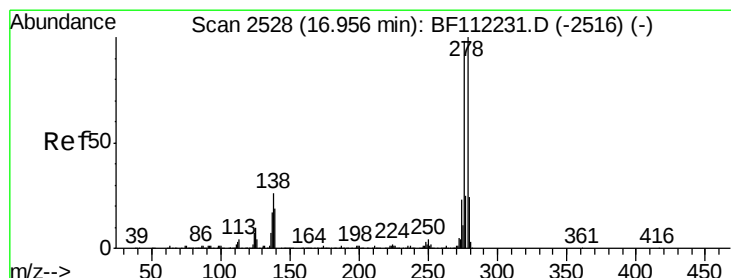
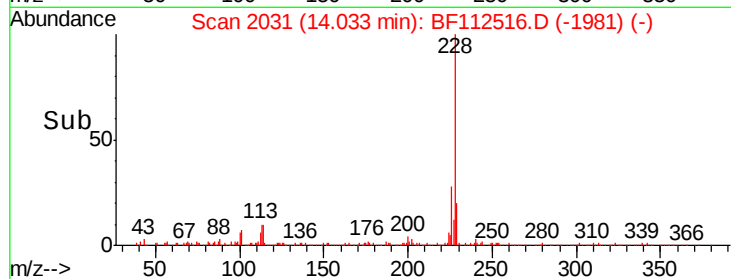
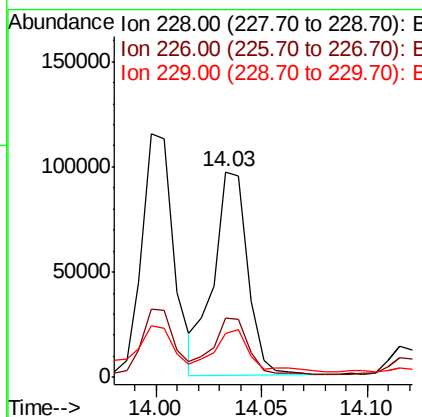
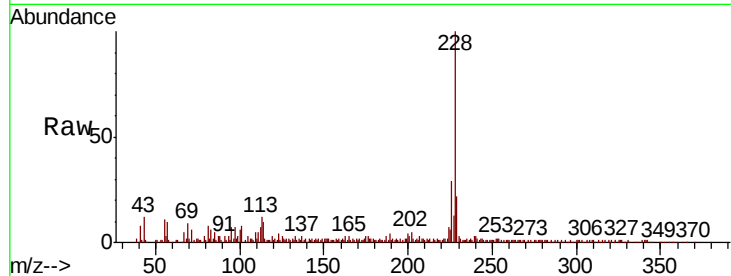
#83
Chrysene
Concen: 6.968 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF112516.D
Acq: 12 Feb 2019 19:30

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	25.0	37.6
229	21.6	16.6	24.8

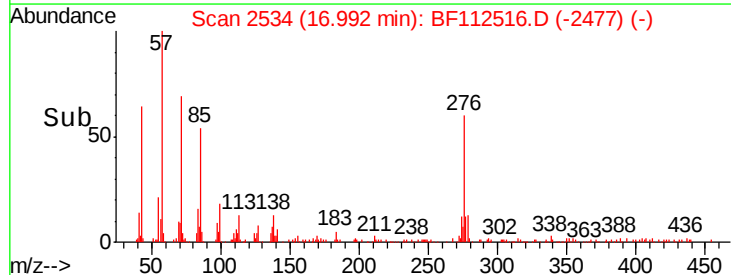
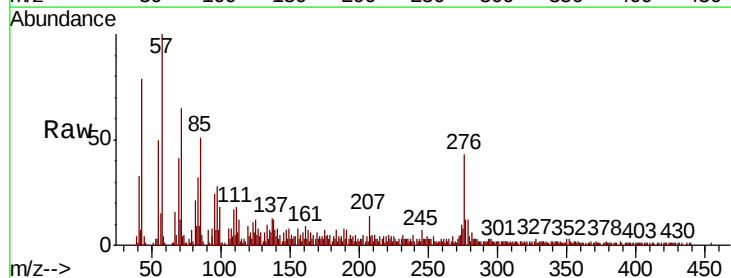
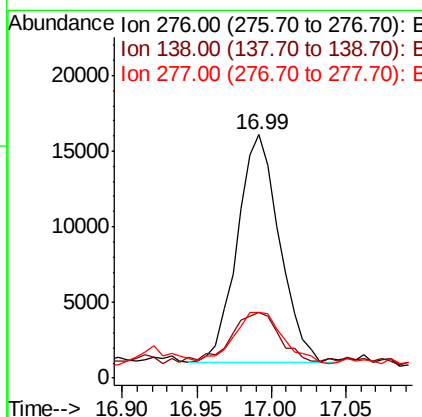
Manual Integrations
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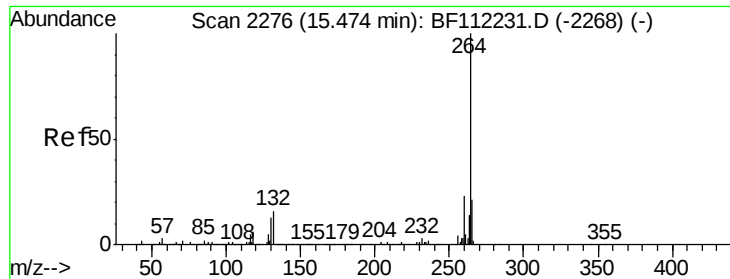
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.408 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.04 min
Lab File: BF112516.D
Acq: 12 Feb 2019 19:30

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.4	22.6	34.0
277	26.0	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: BF112516.D

Acq: 12 Feb 2019 19:30

Instrument :

BNA_F

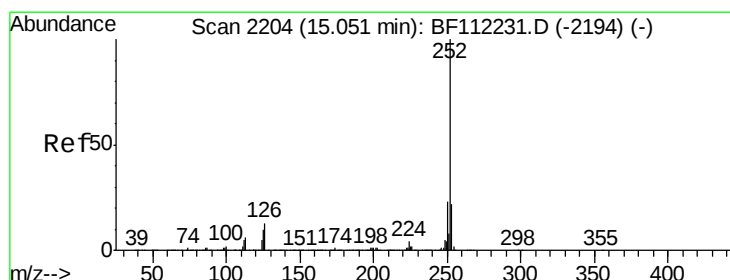
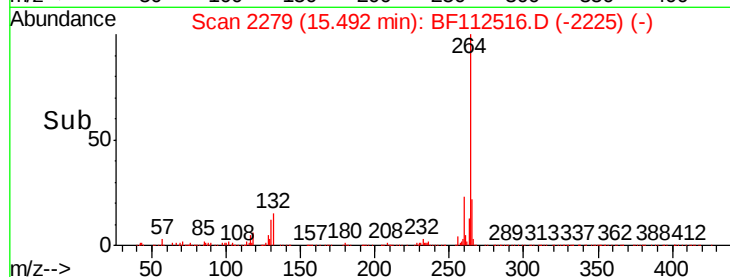
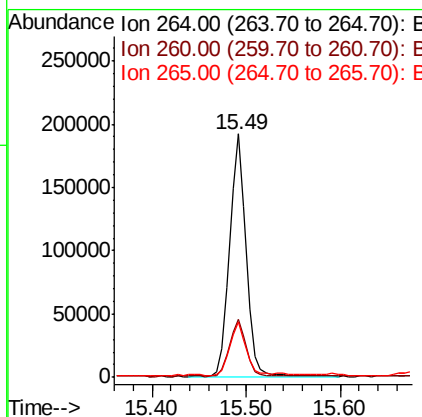
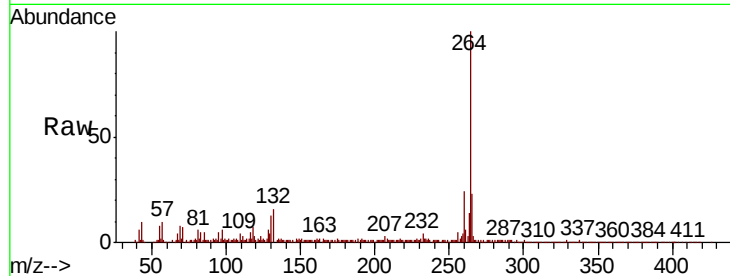
ClientSampleId :

JC-02-021119-D

Tot Ion:	264	Resp:	232570
Ion Ratio	Lower	Upper	
264	100		
260	23.6	18.2	27.2
265	22.8	17.0	25.4

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#88

Benzo(b)fluoranthene

Concen: 7.290 ng m

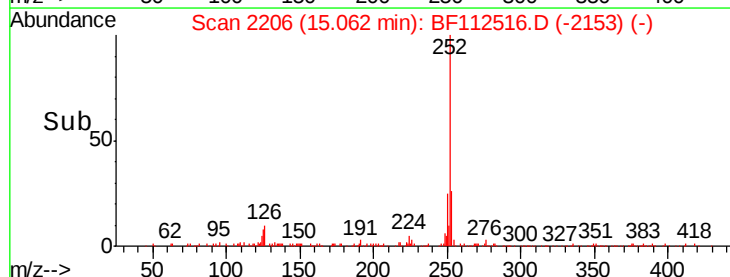
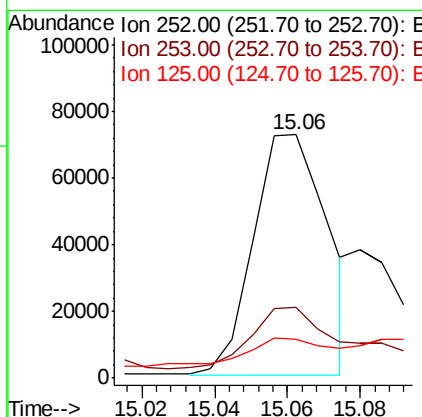
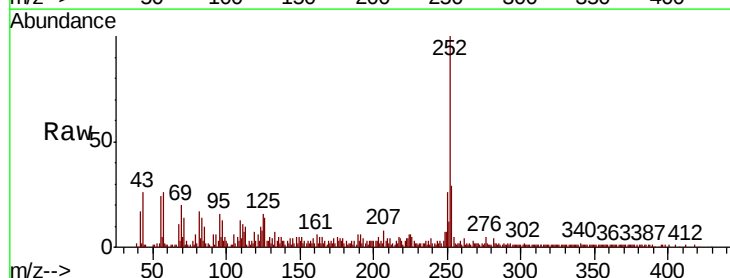
RT: 15.06 min Scan# 2206

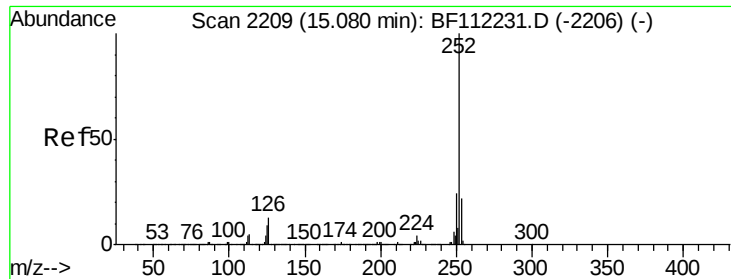
Delta R.T. 0.01 min

Lab File: BF112516.D

Acq: 12 Feb 2019 19:30

Tgt Ion:	252	Resp:	101393
Ion Ratio	Lower	Upper	
252	100		
253	29.0	18.0	27.0#
125	16.0	8.7	13.1#





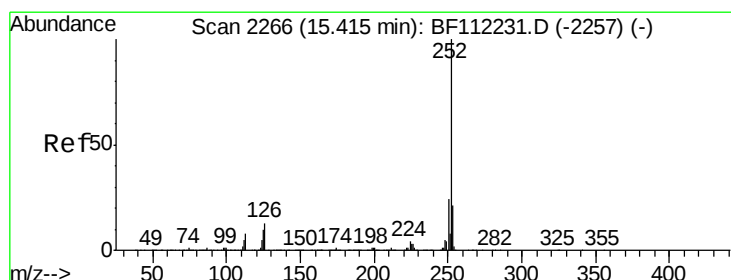
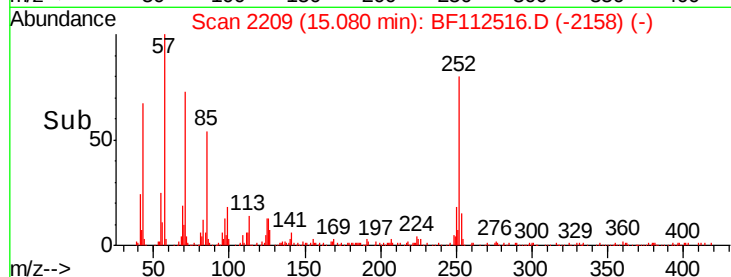
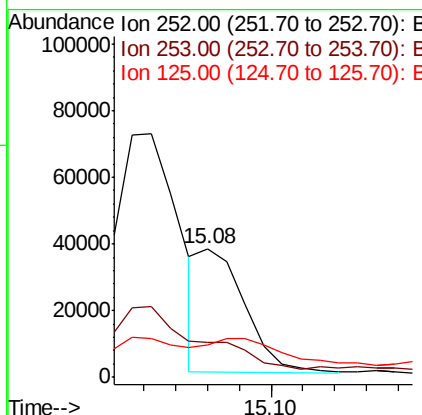
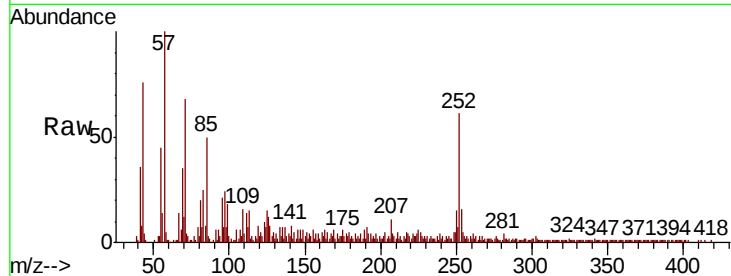
#89
Benzo(k)fluoranthene
Concen: 2.736 ng m
RT: 15.08 min Scan# 2209
Delta R.T. 0.00 min
Lab File: BF112516.D
Acq: 12 Feb 2019 19:30

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.0	18.0	27.0#
125	25.0	9.1	13.7#

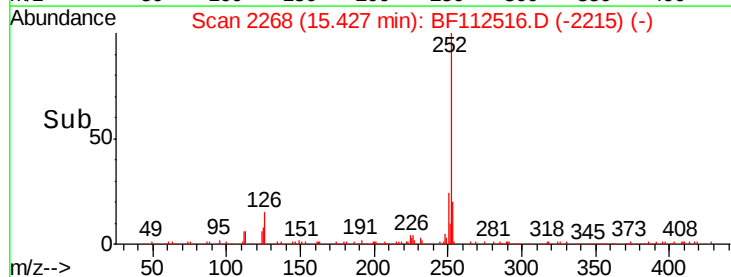
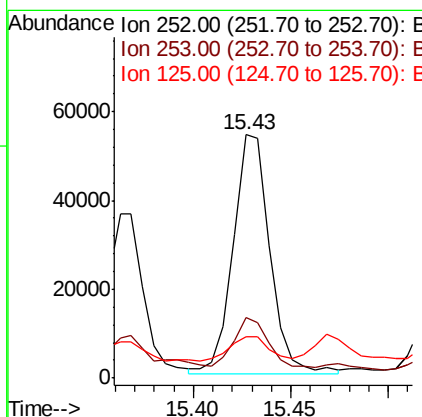
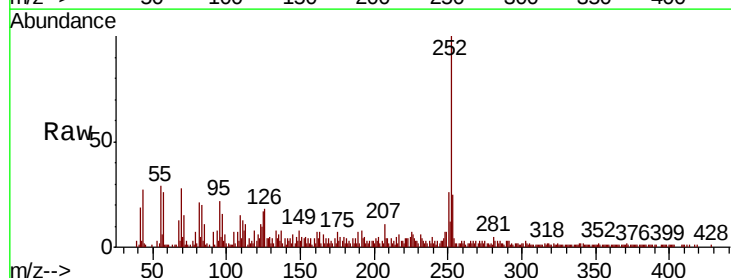
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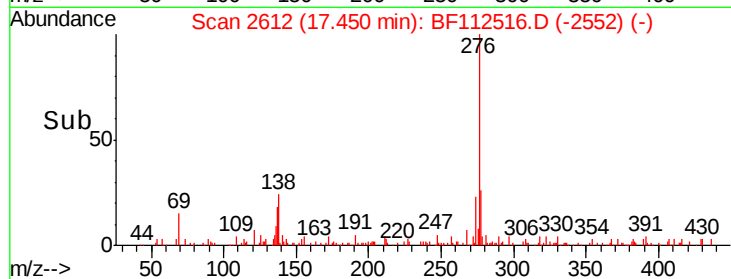
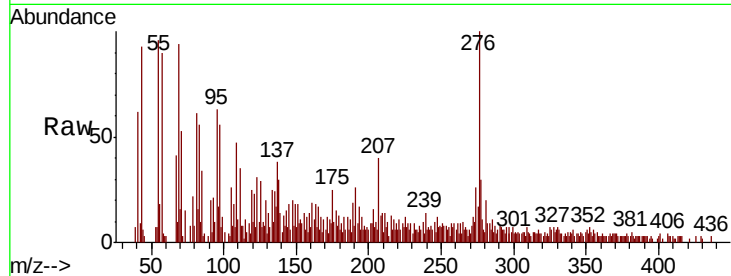
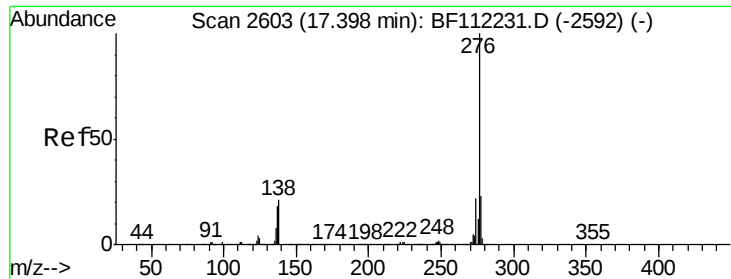
Sohil
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#90
Benzo(a)pyrene
Concen: 5.600 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF112516.D
Acq: 12 Feb 2019 19:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.5	26.3
125	16.9	9.0	13.4#





#92
Benzo(a,h,i)perylene
Concen: 3.139 ng
RT: 17.45 min Scan# 2612
Delta R.T. 0.05 min
Lab File: BF112516.D
Acq: 12 Feb 2019 19:30

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	30.2	19.4	29.0#
138	30.3	19.1	28.7#

Manual Integrations
APPROVED

Sohil
2/13/2019 11:12:17 AM

