

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021319\
 Data File : BF112538.D
 Acq On : 13 Feb 2019 14:53
 Operator : JU/SJ
 Sample : K1343-09 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Sohil
 2/14/2019 11:36:16 AM

Quant Time: Feb 14 07:22:25 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	111190	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	408231	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	172260	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	305838	20.00	ng	0.00
76) Chrysene-d12	14.02	240	288584	20.00	ng	0.00
87) Perylene-d12	15.50	264	208650	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	107491	20.53	ng	0.00
7) Phenol-d6	6.49	99	132224	18.18	ng	0.00
23) Nitrobenzene-d5	7.40	82	79845	11.27	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	32378	16.15	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	165985	13.63	ng	-0.01
79) Terphenyl-d14	12.94	244	163956	10.70	ng	0.00
Target Compounds						
71) Phenanthrene	11.39	178	123855	7.790	ng	98
72) Anthracene	11.45	178	40706	2.570	ng	98
75) Fluoranthene	12.59	202	125992	7.388	ng	96
78) Pyrene	12.82	202	104135	5.212	ng	98
81) Benzo(a)anthracene	14.00	228	52754	3.110	ng	98
83) Chrysene	14.04	228	43172	2.666	ng	96
88) Benzo(b)fluoranthene	15.06	252	36830m	2.952	ng	
90) Benzo(a)pyrene	15.43	252	23815	2.121	ng	# 72

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

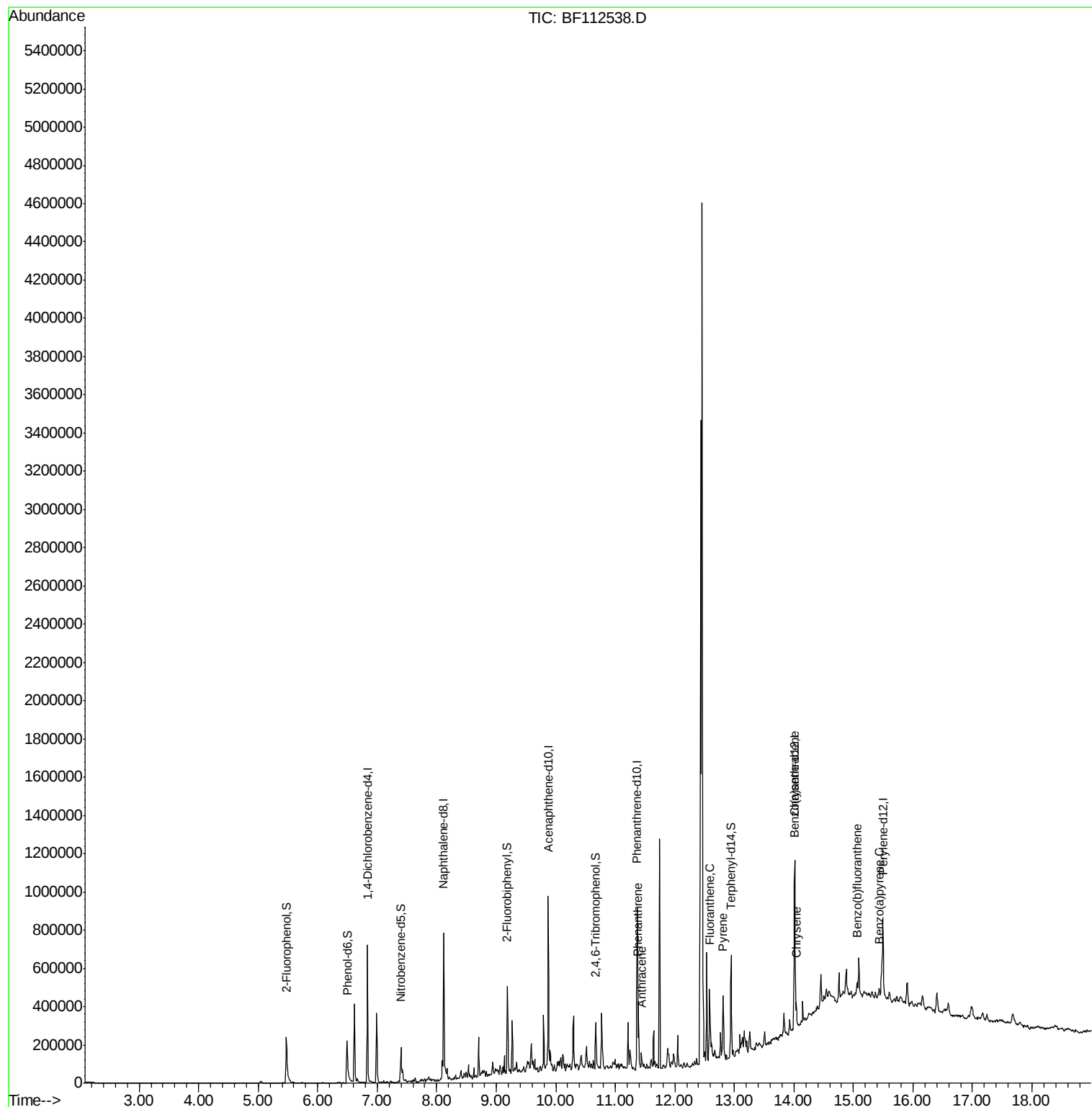
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021319\
Data File : BF112538.D
Acq On : 13 Feb 2019 14:53
Operator : JU/SJ
Sample : K1343-09 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

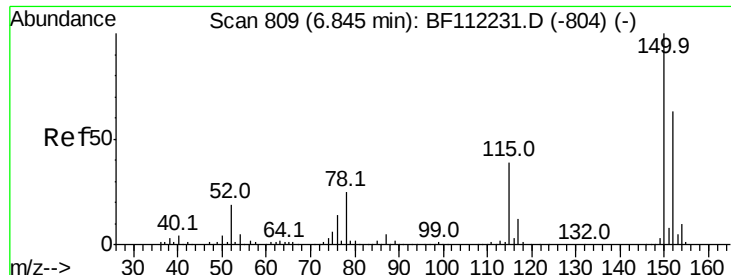
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-E

Manual Integrations
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2/14/2019 11:36:16 AM

Quant Time: Feb 14 07:22:25 2019
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

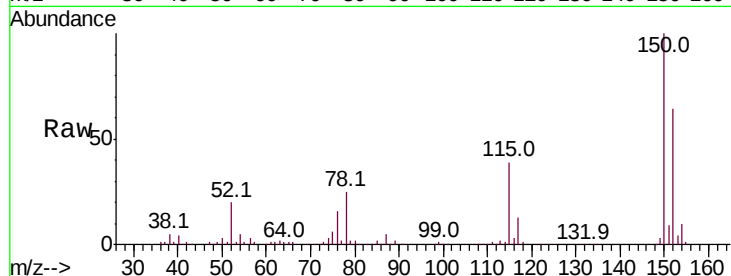
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112538.D
Acq: 13 Feb 2019 14:53

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	127.4	191.0
115	61.4	45.5	68.3

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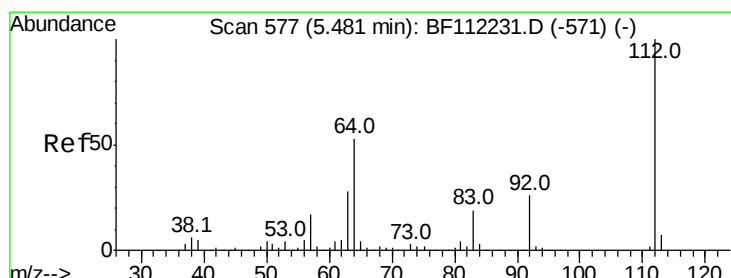
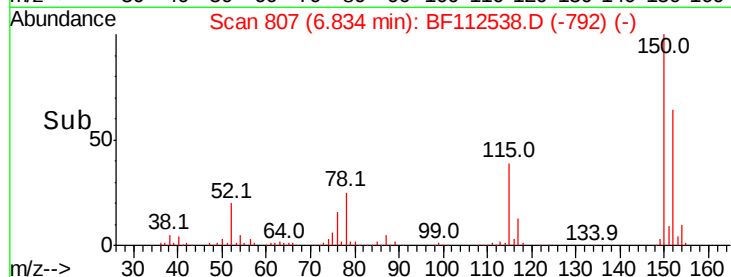
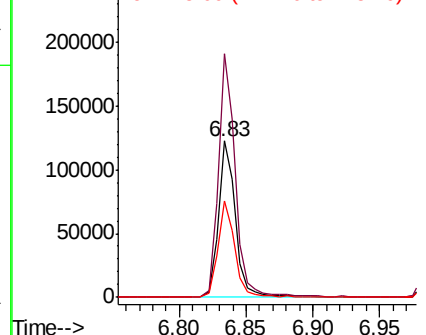


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

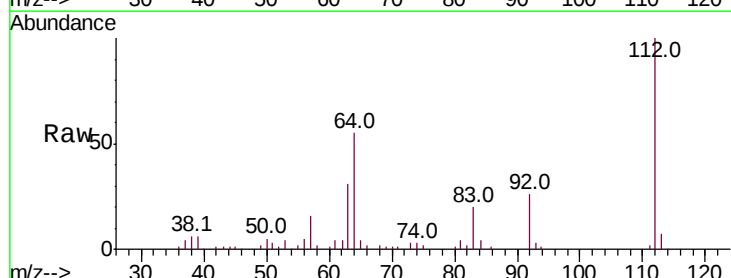
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 20.534 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF112538.D
Acq: 13 Feb 2019 14:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.6	45.7	68.5
63	30.9	23.6	35.4

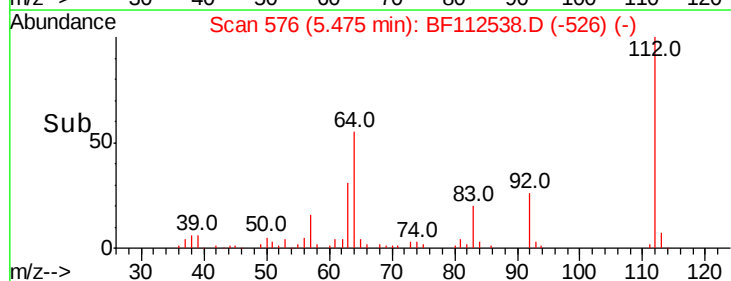
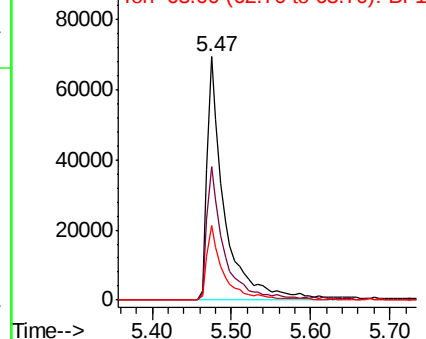


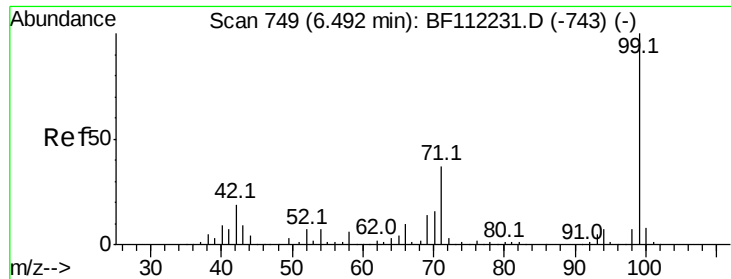
Abundance

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: 18.178 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF112538.D

Acq: 13 Feb 2019 14:53

Instrument :

BNA_F

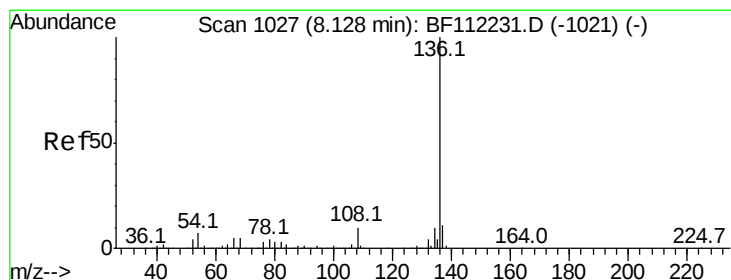
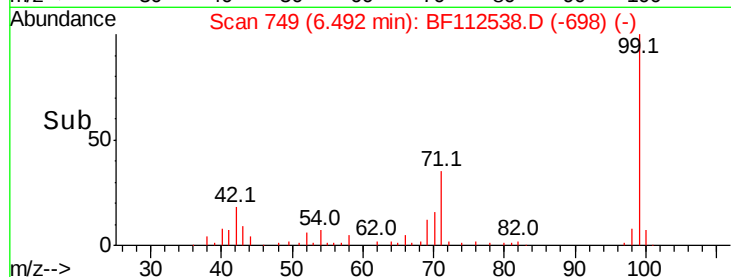
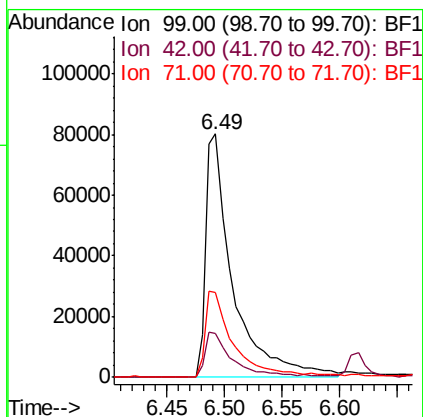
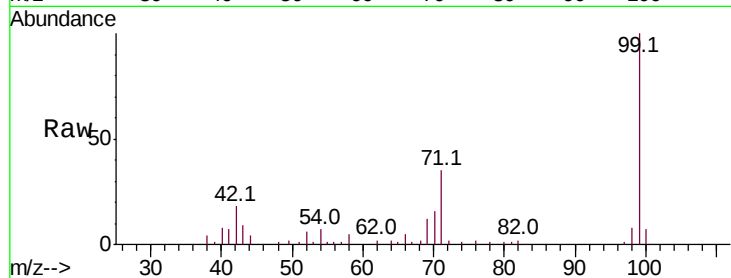
ClientSampleId :

JC-02-021119-E

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		132224		
42	18.0	15.1	22.7		
71	34.6	26.9	40.3		

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#21

Naphthalene-d8

Concen: 20.000 ng

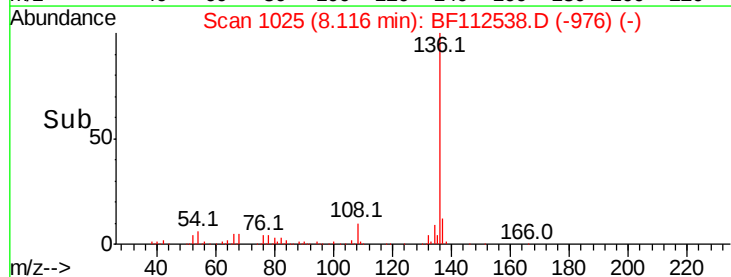
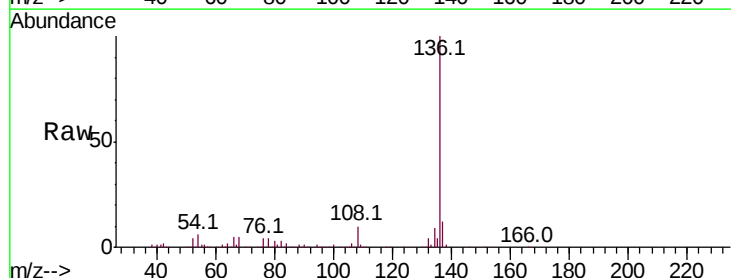
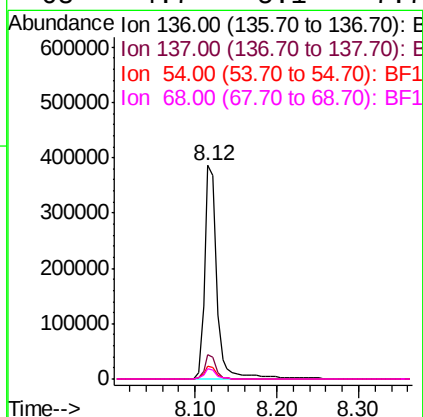
RT: 8.12 min Scan# 1025

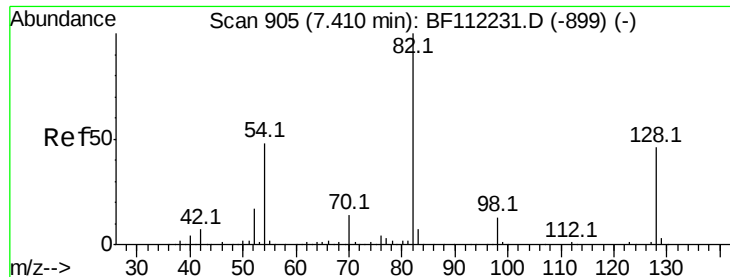
Delta R.T. -0.01 min

Lab File: BF112538.D

Acq: 13 Feb 2019 14:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		408231		
137	11.6	9.1	13.7		
54	6.0	5.9	8.9		
68	4.7	5.1	7.7#		





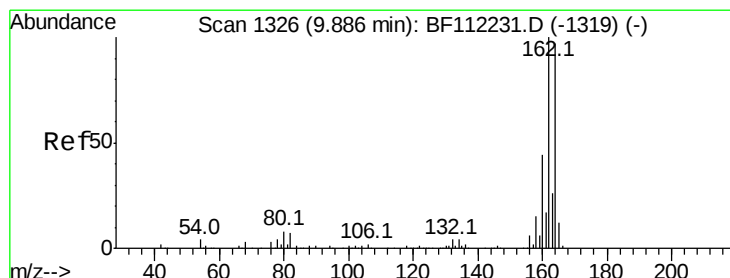
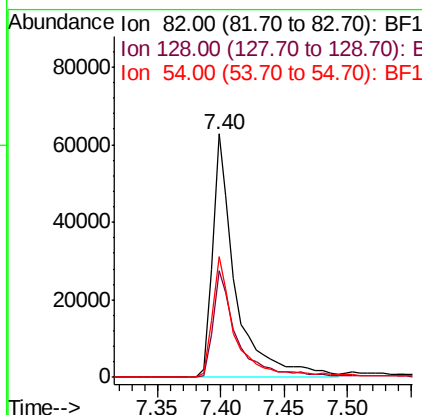
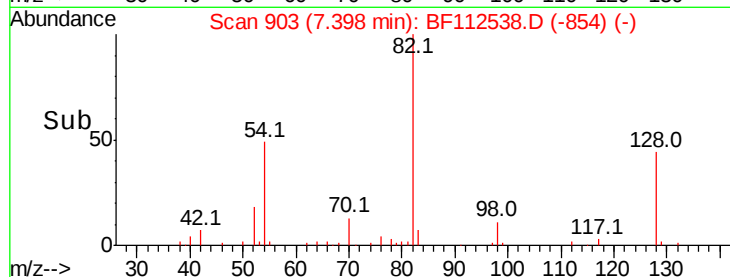
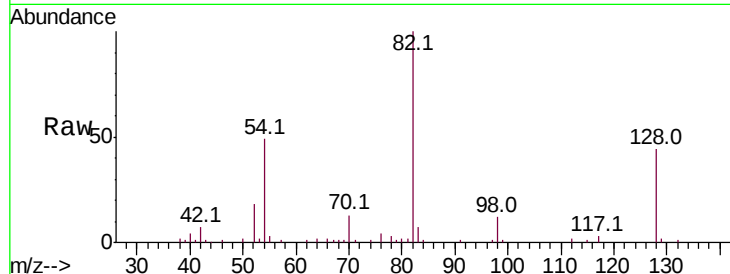
#23
 Nitrobenzene-d5
 Concen: 11.270 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: BF112538.D
 Acq: 13 Feb 2019 14:53

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.6	37.8	56.8
54	49.4	39.7	59.5

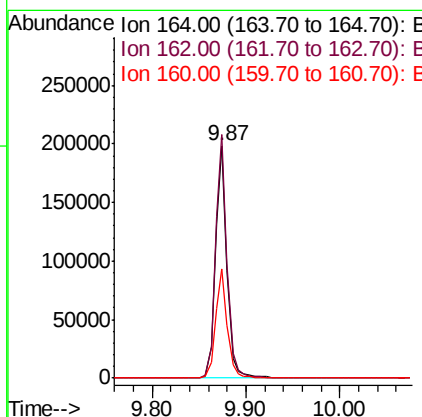
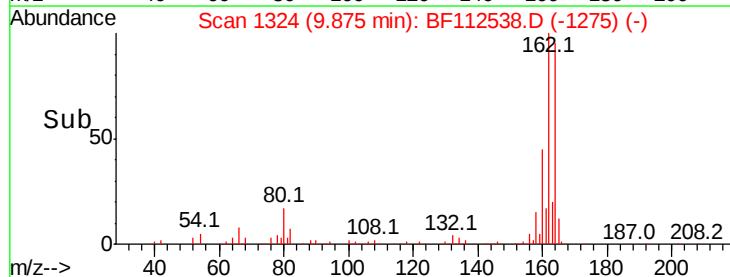
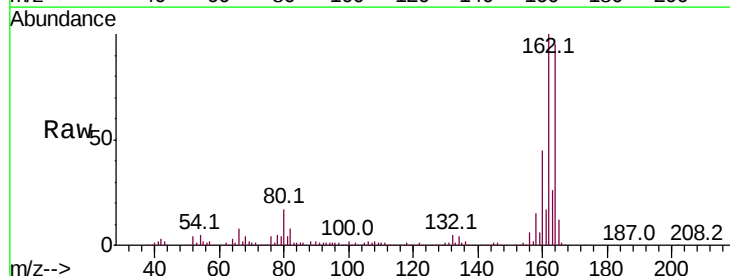
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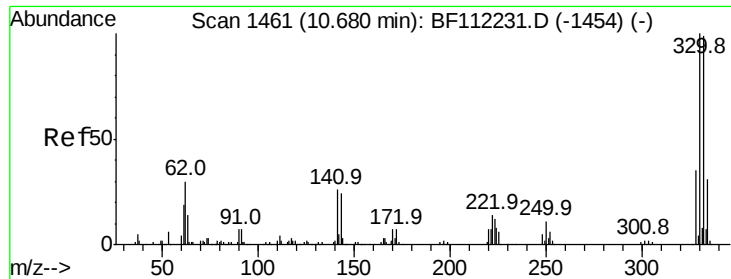
Sohil
 2/14/2019 11:36:16 AM



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: BF112538.D
 Acq: 13 Feb 2019 14:53

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.7	82.2	123.4
160	46.8	36.2	54.4





#42

2,4,6-Tribromophenol

Concen: 16.148 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF112538.D

Acq: 13 Feb 2019 14:53

Instrument :

BNA_F

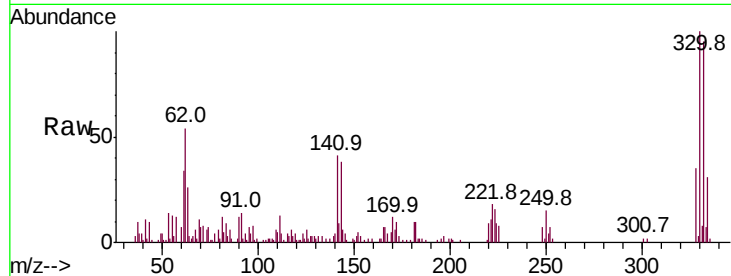
ClientSampleId :

JC-02-021119-E

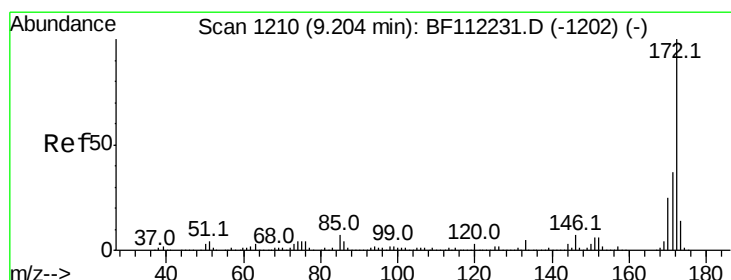
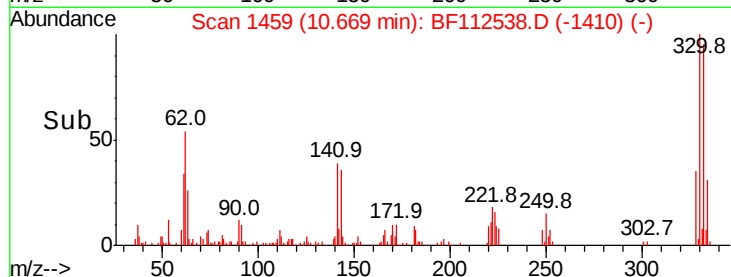
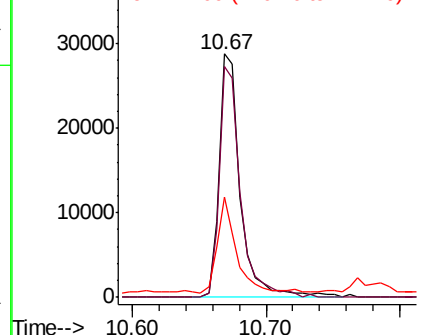
Tot Ion:	330	Resp:	32378
Ion Ratio	Lower	Upper	
330	100		
332	94.5	76.6	114.8
141	34.1	24.3	36.5

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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: 13.628 ng

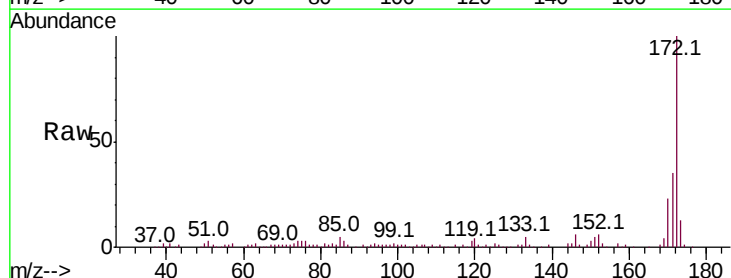
RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

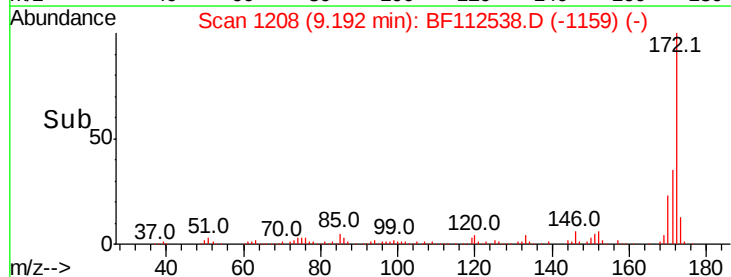
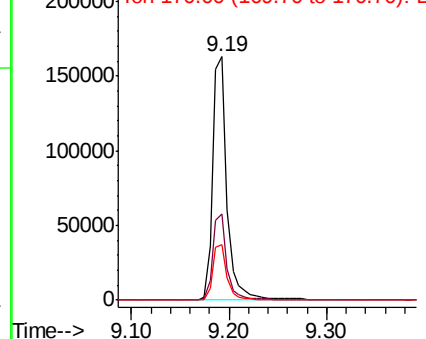
Lab File: BF112538.D

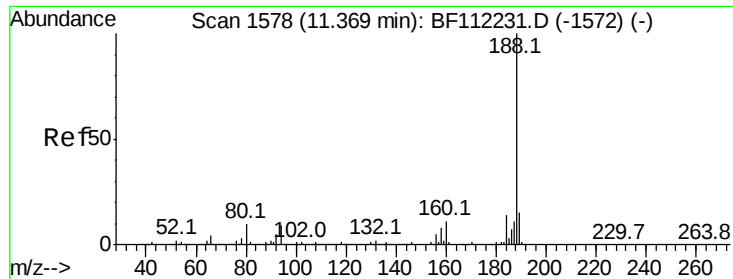
Acq: 13 Feb 2019 14:53

Tgt Ion:	172	Resp:	165985
Ion Ratio	Lower	Upper	
172	100		
171	35.4	30.5	45.7
170	22.6	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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF112538.D

Acq: 13 Feb 2019 14:53

Instrument :

BNA_F

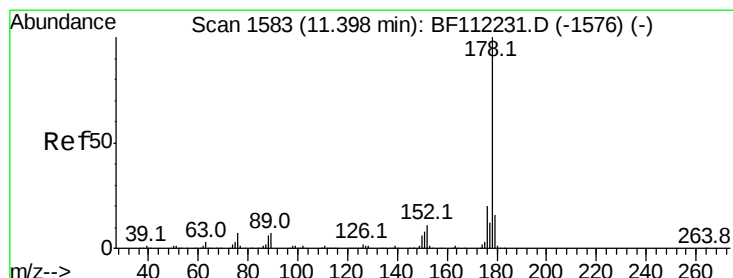
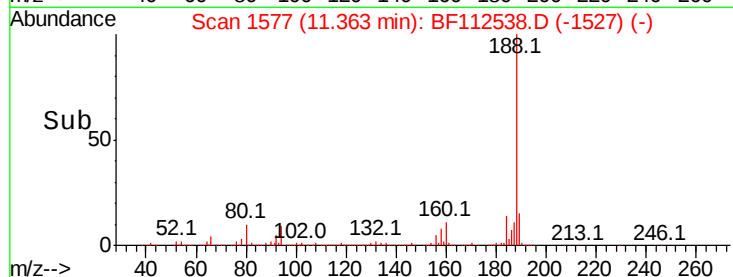
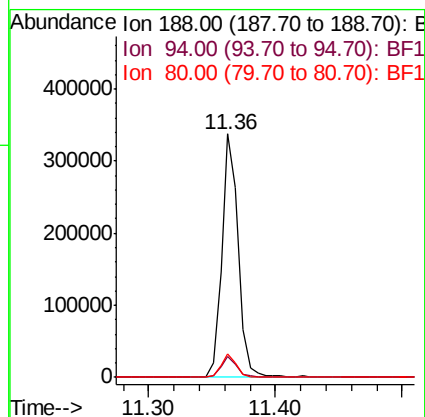
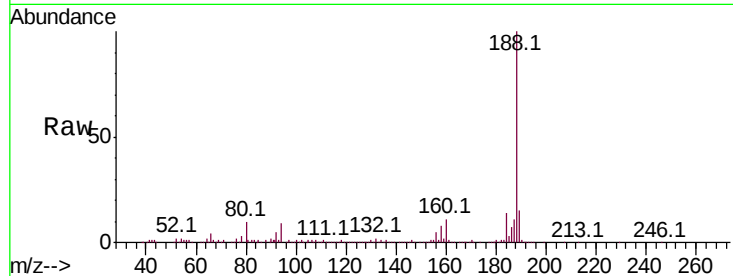
ClientSampleId :

JC-02-021119-E

Tot Ion:	188	Resp:	305838
Ion Ratio	Lower	Upper	
188	100		
94	8.8	8.2	12.2
80	9.5	8.9	13.3

Manual Integrations
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#71

Phenanthrene

Concen: 7.790 ng

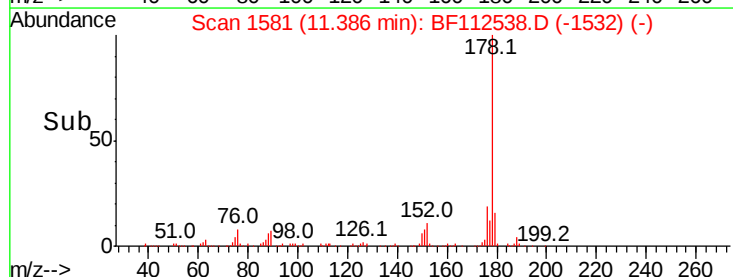
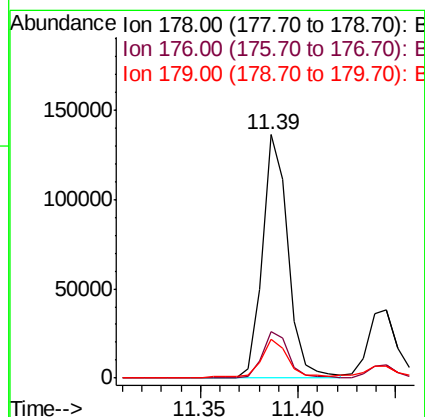
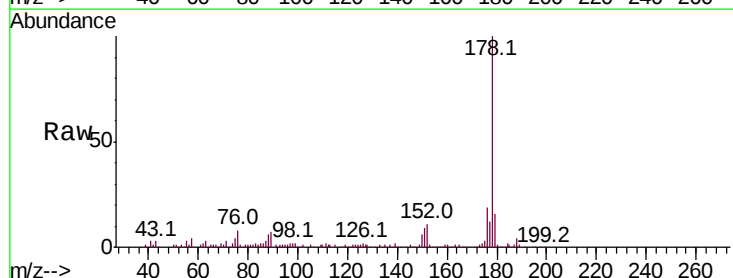
RT: 11.39 min Scan# 1581

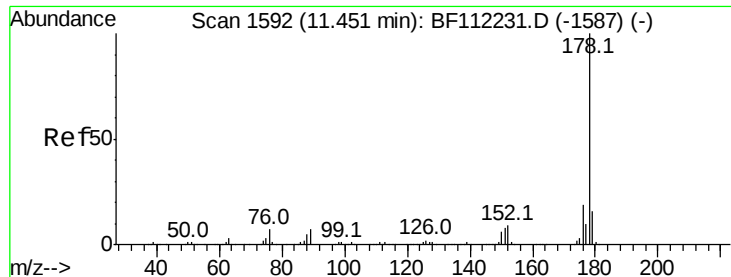
Delta R.T. -0.01 min

Lab File: BF112538.D

Acq: 13 Feb 2019 14:53

Tgt Ion:	178	Resp:	123855
Ion Ratio	Lower	Upper	
178	100		
176	19.1	16.3	24.5
179	16.0	13.0	19.4





#72

Anthracene

Concen: 2.570 ng

RT: 11.45 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BF112538.D

Acq: 13 Feb 2019 14:53

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-E

Tot Ion:178 Resp: 40706

Ion Ratio Lower Upper

178 100

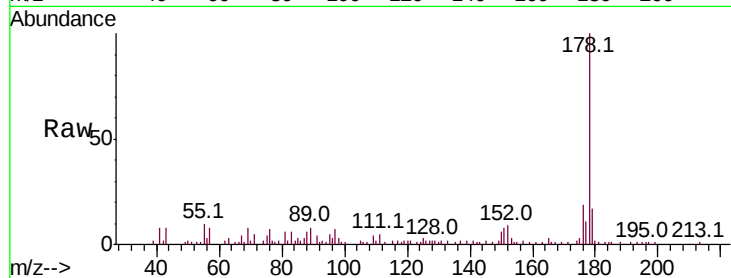
176 18.6 15.5 23.3

179 17.0 12.8 19.2

Manual Integrations
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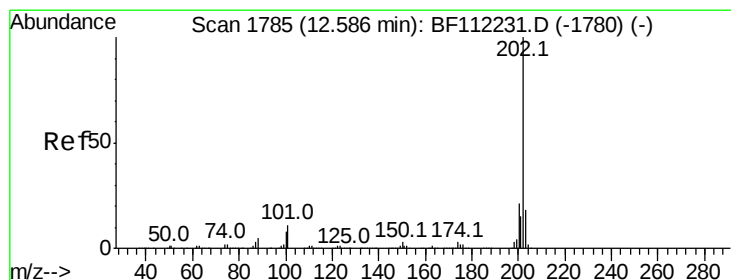
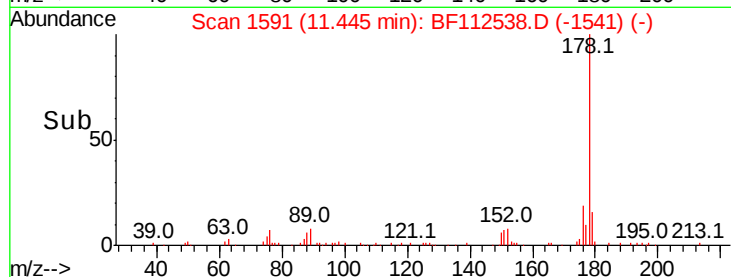
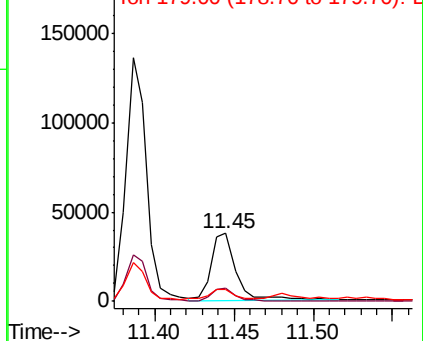
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 7.388 ng

RT: 12.59 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BF112538.D

Acq: 13 Feb 2019 14:53

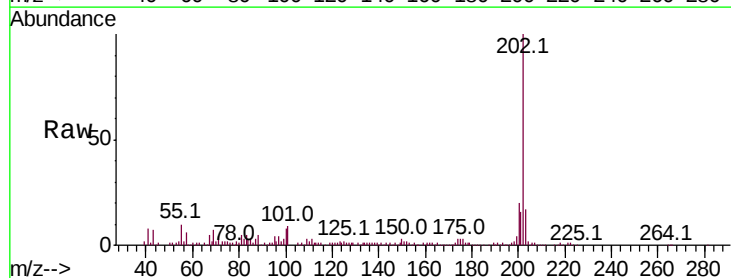
Tgt Ion:202 Resp: 125992

Ion Ratio Lower Upper

202 100

101 9.3 0.0 31.8

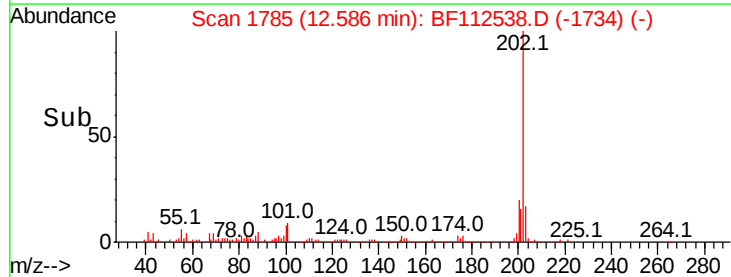
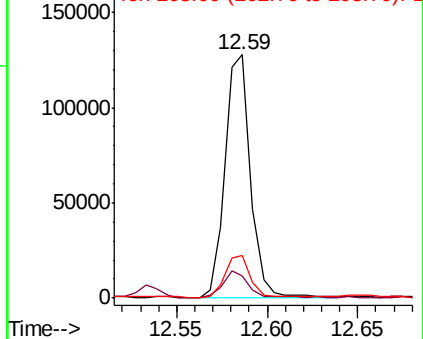
203 17.3 0.0 38.4

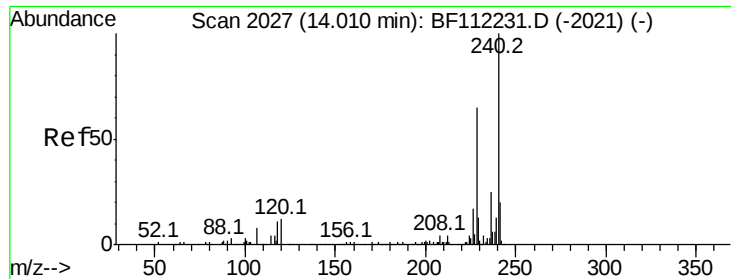


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





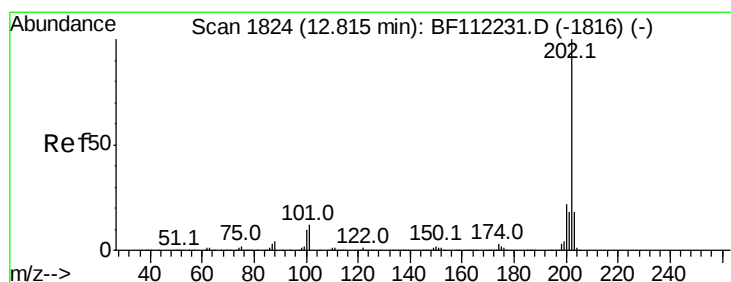
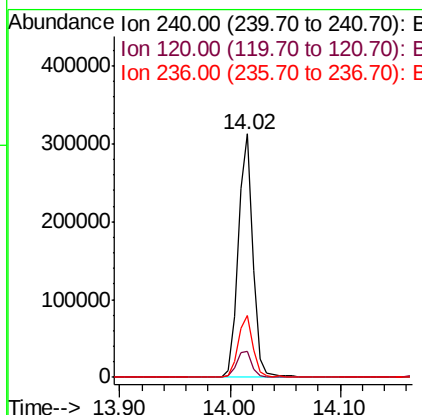
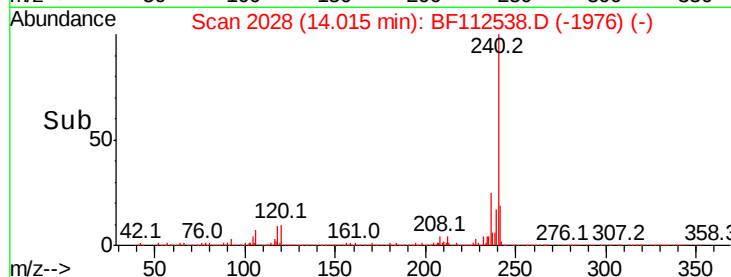
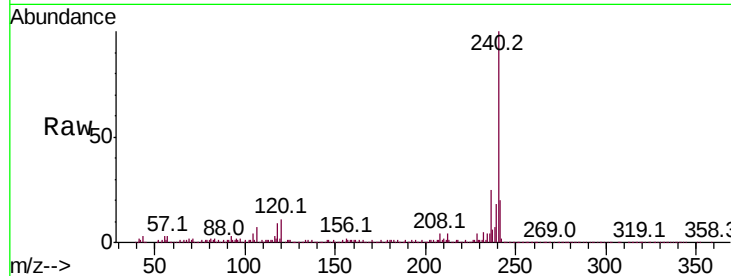
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF112538.D
Acq: 13 Feb 2019 14:53

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

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.5	9.0	13.6
236	25.2	20.7	31.1

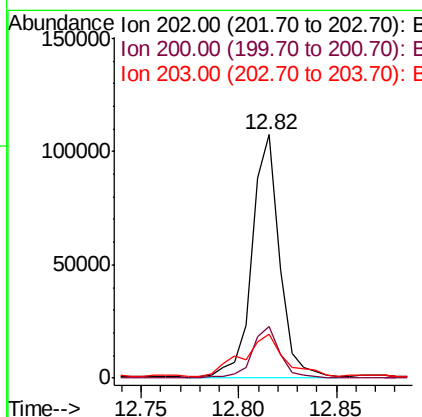
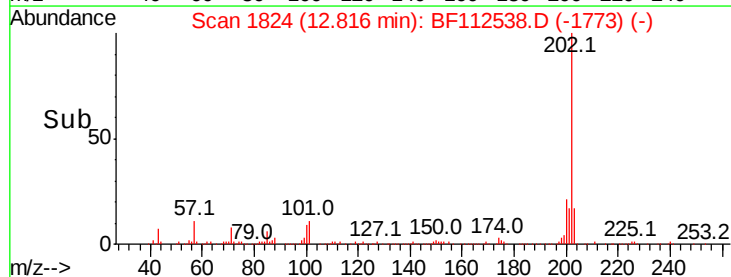
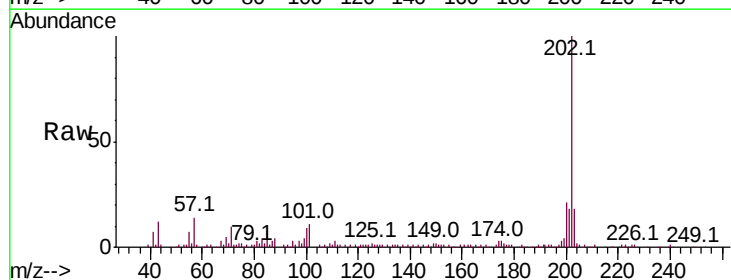
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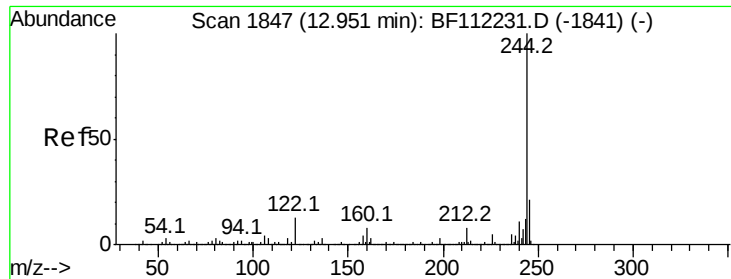
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#78
Pyrene
Concen: 5.212 ng
RT: 12.82 min Scan# 1824
Delta R.T. 0.00 min
Lab File: BF112538.D
Acq: 13 Feb 2019 14:53

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.7	26.5
203	17.9	14.6	22.0





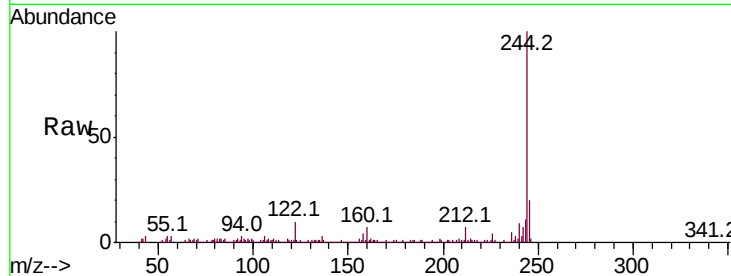
#79
 Terphenyl-d14
 Concen: 10.701 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF112538.D
 Acq: 13 Feb 2019 14:53

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

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.1	5.9	8.9	
122	9.9	9.8	14.6	

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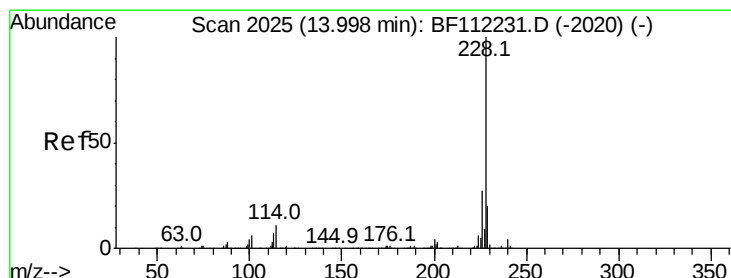
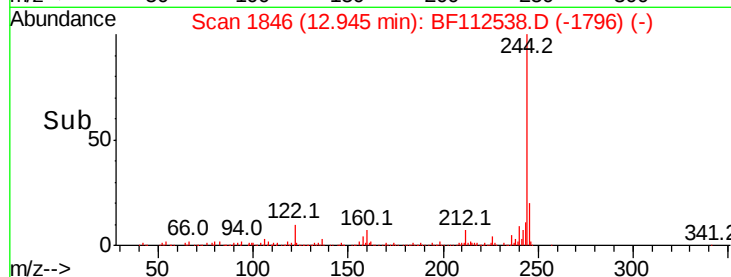
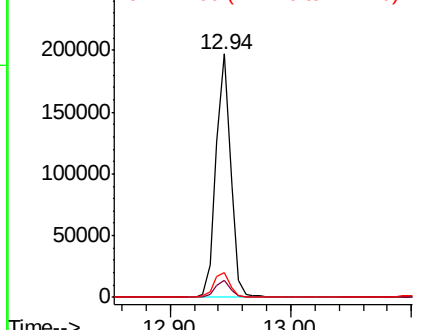


Abundance

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



#81
 Benzo(a)anthracene
 Concen: 3.110 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. 0.01 min
 Lab File: BF112538.D
 Acq: 13 Feb 2019 14:53

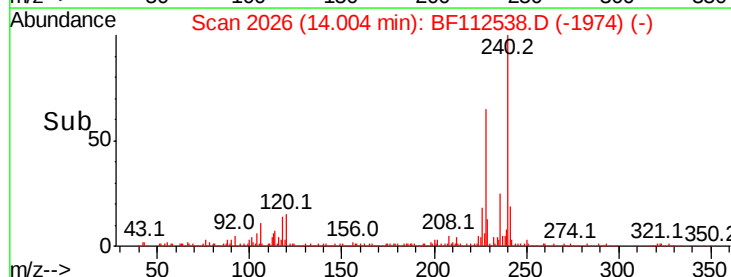
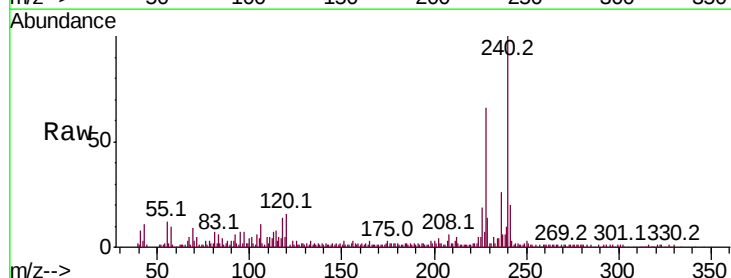
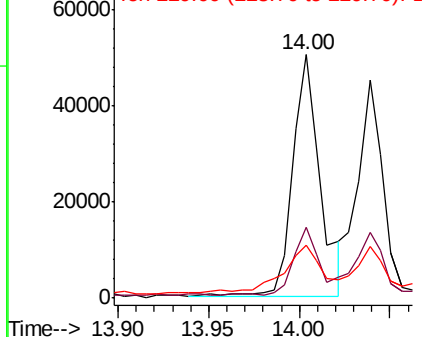
Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	29.0	22.6	34.0	
229	21.8	16.5	24.7	

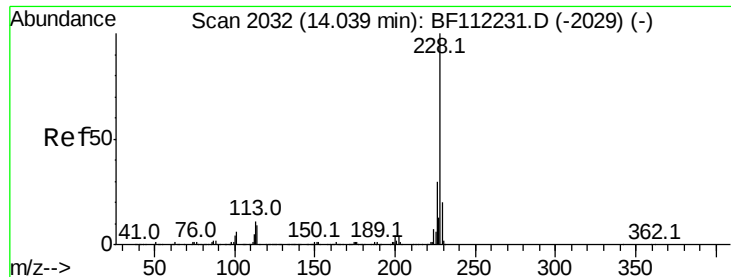
Abundance

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





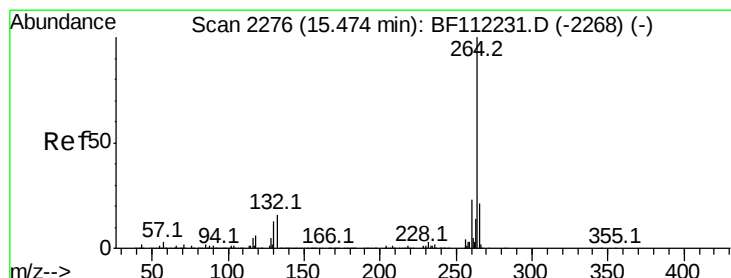
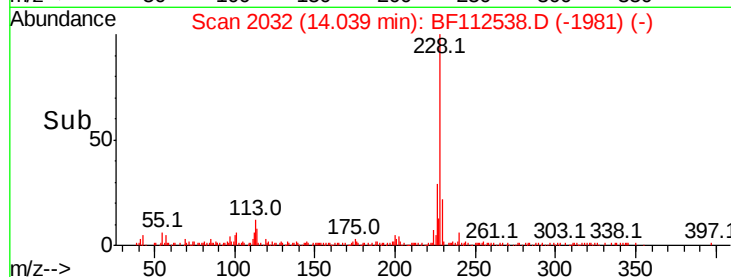
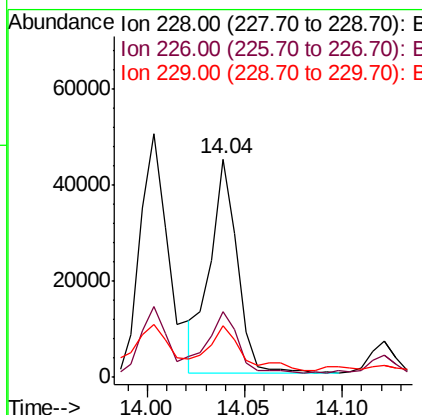
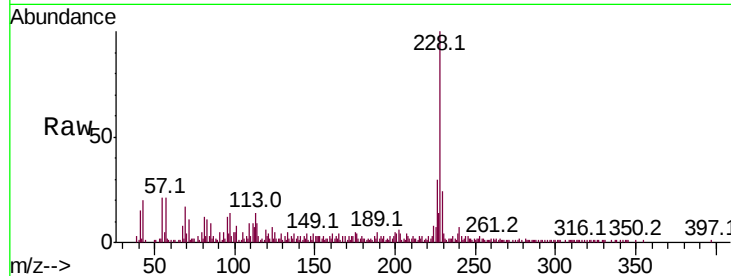
#83
Chrysene
Concen: 2.666 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.00 min
Lab File: BF112538.D
Acq: 13 Feb 2019 14:53

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

Tot Ion:228	Resp:	43172
Ion Ratio	Lower	Upper
228 100		
226 30.2	25.0	37.6
229 23.5	16.6	24.8

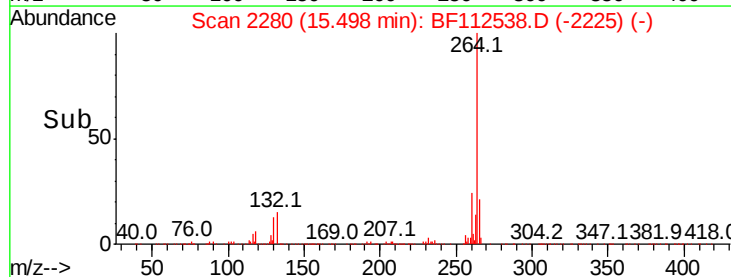
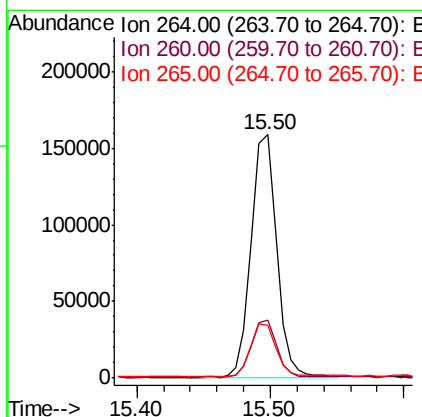
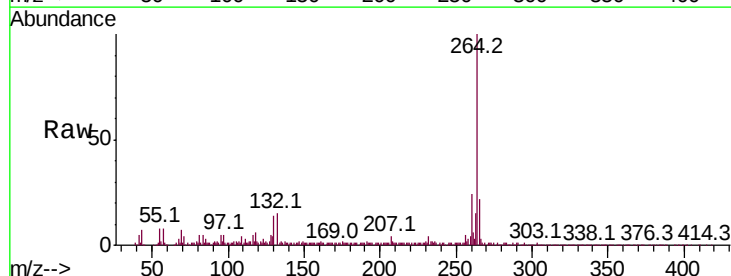
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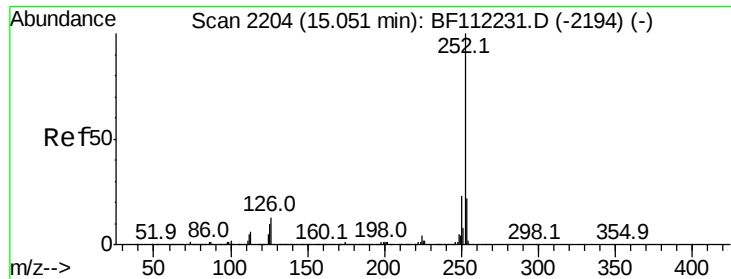
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.02 min
Lab File: BF112538.D
Acq: 13 Feb 2019 14:53

Tgt Ion:264	Resp:	208650
Ion Ratio	Lower	Upper
264 100		
260 24.1	18.2	27.2
265 21.9	17.0	25.4





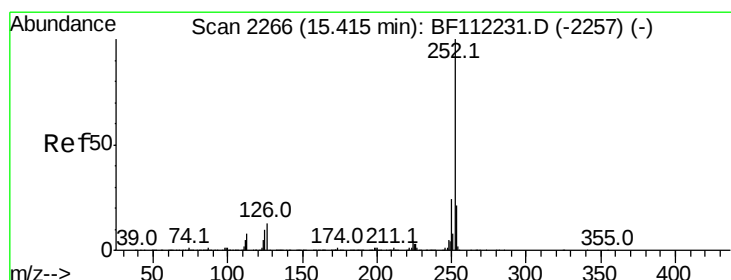
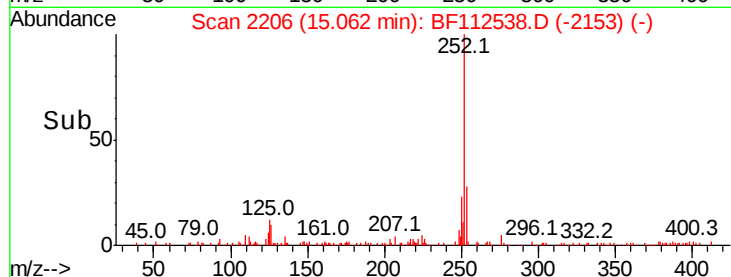
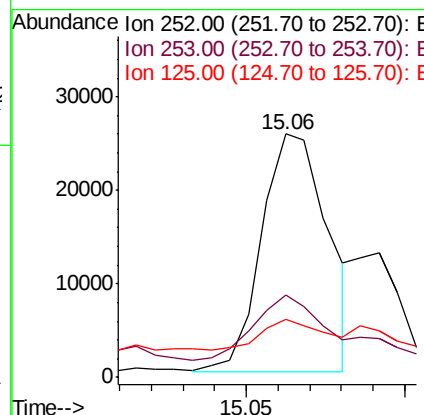
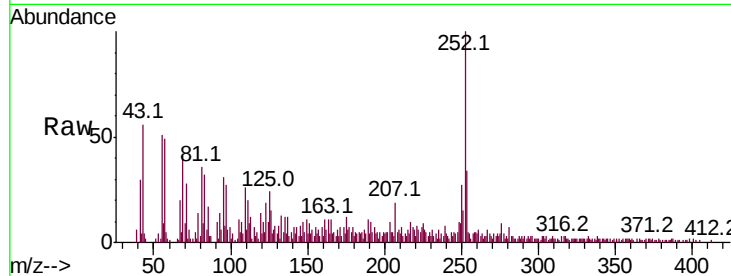
#88
Benzo(b)fluoranthene
Concen: 2.952 ng/mL
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF112538.D
Acq: 13 Feb 2019 14:53

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	33.8	18.0	27.0#
125	23.9	8.7	13.1#

Manual Integrations
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#90
Benzo(a)pyrene
Concen: 2.121 ng/mL
RT: 15.43 min Scan# 2269
Delta R.T. 0.02 min
Lab File: BF112538.D
Acq: 13 Feb 2019 14:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.5	17.5	26.3#
125	29.5	9.0	13.4#

