

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123019\
 Data File : BF118388.D
 Acq On : 30 Dec 2019 18:37
 Operator : JU
 Sample : K6441-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 K321-WC-02

Manual Integrations
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Quant Time: Dec 31 01:30:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	12/31/2019 12:04:15 PM
1) 1,4-Dichlorobenzene-d4	6.85	152	131013	20.00	ng	0.00	
21) Naphthalene-d8	8.14	136	528047	20.00	ng	0.00	
39) Acenaphthene-d10	9.90	164	288630	20.00	ng	0.00	
64) Phenanthrene-d10	11.39	188	535899	20.00	ng	0.00	
76) Chrysene-d12	14.05	240	323643	20.00	ng	0.00	
87) Perylene-d12	15.54	264	339997	20.00	ng	0.00	
System Monitoring Compounds							
5) 2-Fluorophenol	5.47	112	701465	91.39	ng	0.00	
7) Phenol-d6	6.49	99	891911	93.68	ng	0.00	
23) Nitrobenzene-d5	7.42	82	539055	58.39	ng	0.00	
42) 2,4,6-Tribromophenol	10.70	330	319604	89.67	ng	0.00	
45) 2-Fluorobiphenyl	9.22	172	1135997	60.08	ng	0.00	
79) Terphenyl-d14	12.99	244	1313073	67.31	ng	0.00	
Target Compounds							
50) Dimethylphthalate	9.62	163	97465	4.499	ng		Qvalue 100
71) Phenanthrene	11.42	178	749768	25.664	ng		99
72) Anthracene	11.47	178	195554	6.687	ng		98
75) Fluoranthene	12.62	202	1018395	34.541	ng		97
78) Pyrene	12.84	202	877353	33.197	ng		99
81) Benzo(a)anthracene	14.04	228	391697	17.290	ng		99
83) Chrysene	14.07	228	326625	15.058	ng		97
86) Indeno(1,2,3-cd)pyrene	17.05	276	193301	10.459	ng		94
88) Benzo(b)fluoranthene	15.10	252	408790m	18.113	ng		
89) Benzo(k)fluoranthene	15.13	252	140382m	6.478	ng		
90) Benzo(a)pyrene	15.48	252	296320	14.904	ng		98
91) Dibenzo(a,h)anthracene	17.06	278	50590m	2.932	ng		
92) Benzo(a,h,i)perylene	17.51	276	180673	10.841	ng		98

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

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ALS Vial : 9 Sample Multiplier: 1

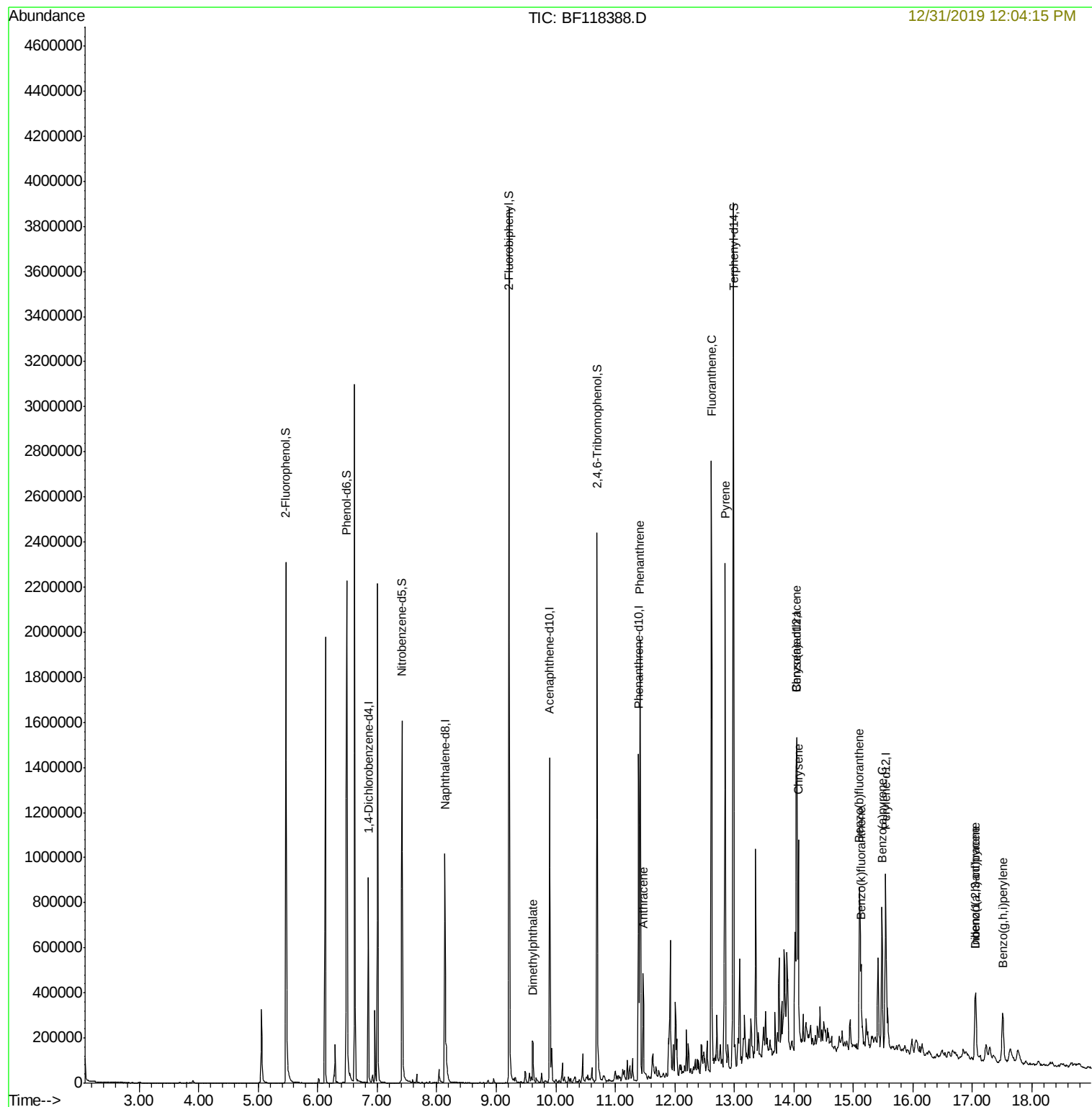
Instrument :
BNA_F
ClientSampleId :
K321-WC-02

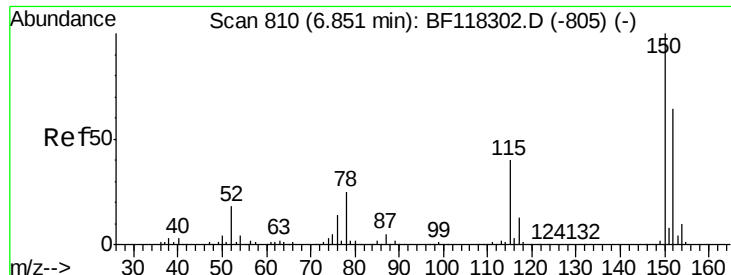
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Quant Time: Dec 31 01:30:39 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 24 15:58:52 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF118388.D
Acq: 30 Dec 2019 18:37

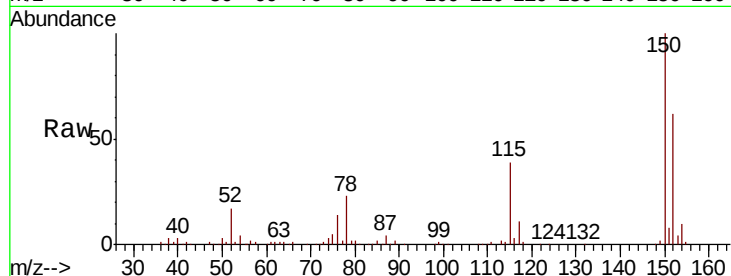
Instrument :
BNA_F
ClientSampleId :
K321-WC-02

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.6	125.4	188.2
115	61.9	50.2	75.4

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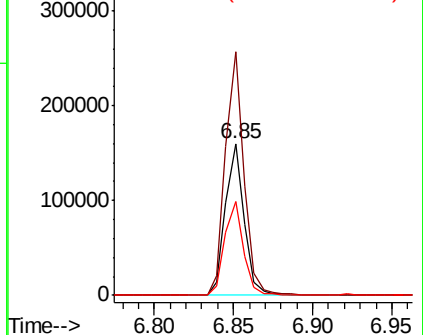


Abundance

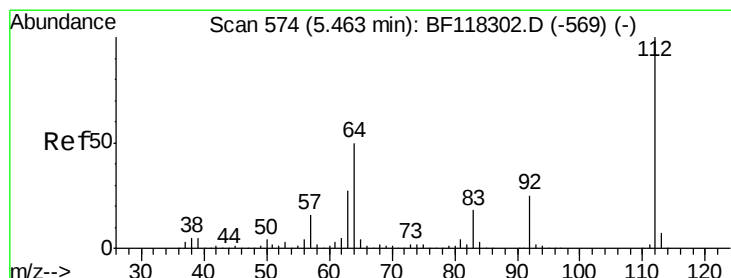
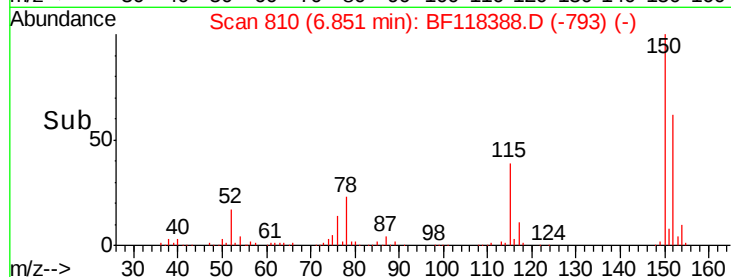
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



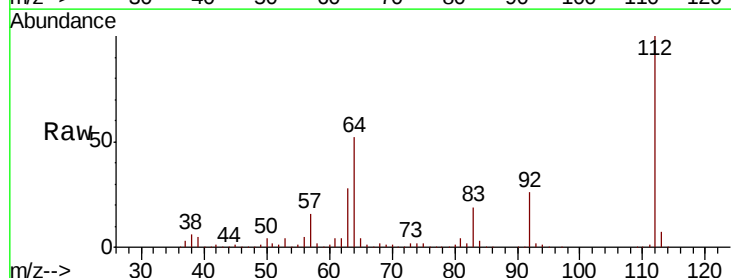
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#5

2-Fluorophenol
Concen: 91.395 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF118388.D
Acq: 30 Dec 2019 18:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.3	39.7	59.5
63	28.3	21.7	32.5

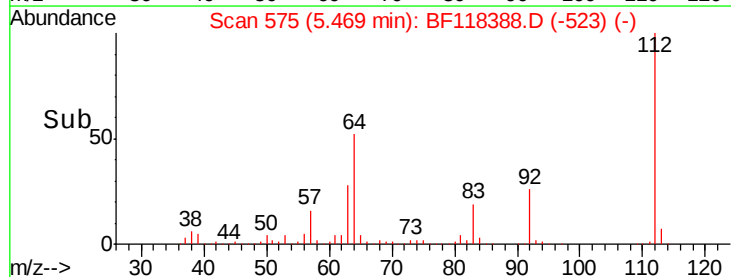
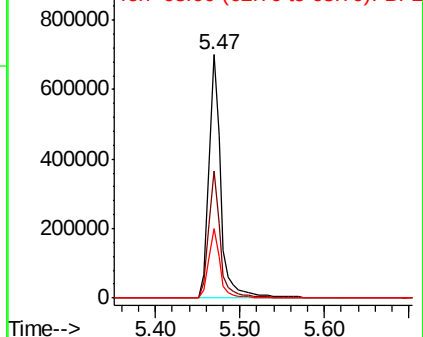


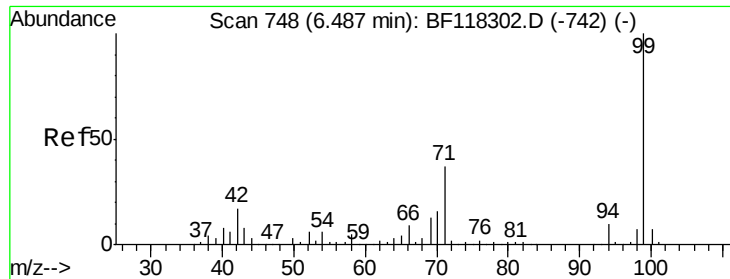
Abundance

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: 93.677 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF118388.D

Acq: 30 Dec 2019 18:37

Instrument :

BNA_F

ClientSampleId :

K321-WC-02

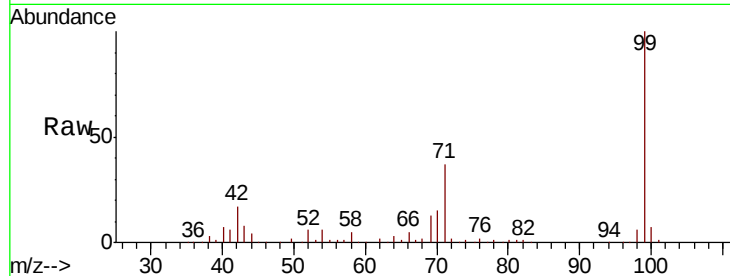
Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		891911		
42	17.2	13.5	20.3		
71	37.2	29.4	44.2		

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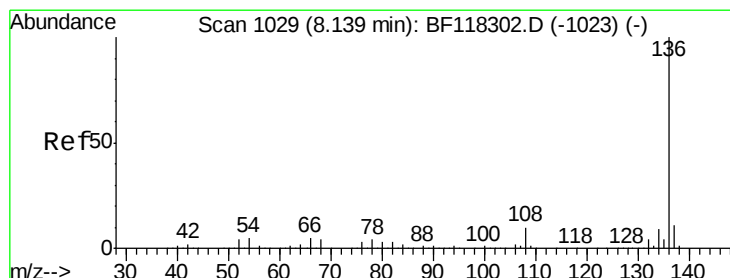
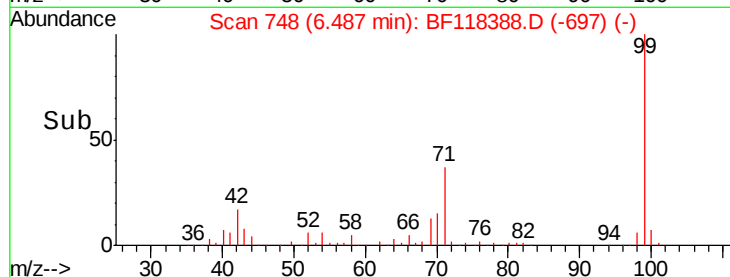
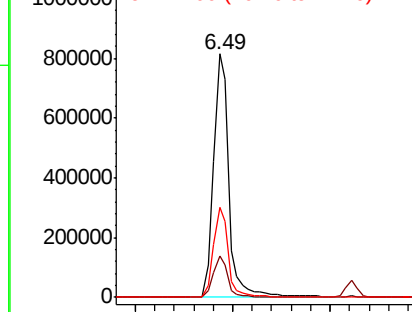
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

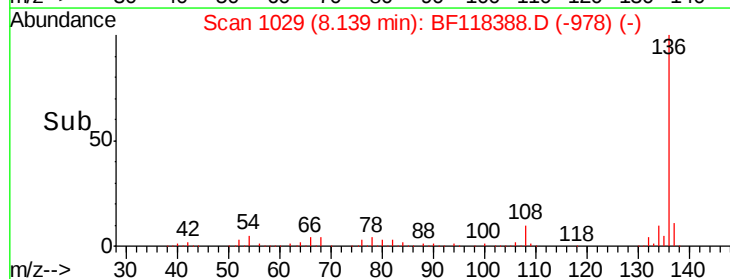
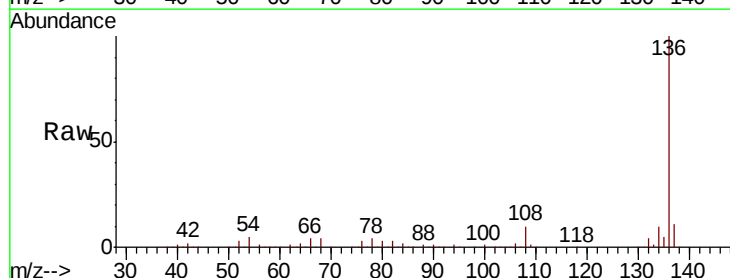
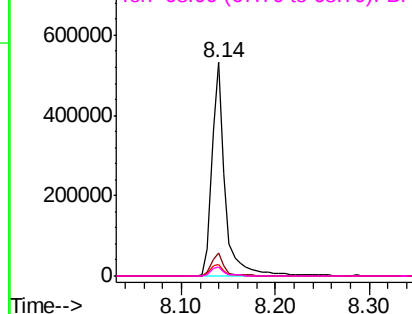
Delta R.T. -0.00 min

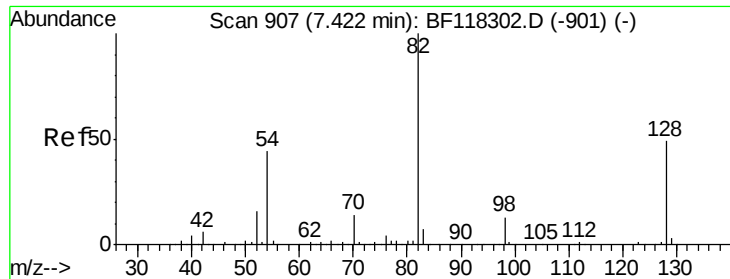
Lab File: BF118388.D

Acq: 30 Dec 2019 18:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		528047		
137	10.9	8.9	13.3		
54	5.2	4.2	6.4		
68	4.2	3.5	5.3		

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





#23
Nitrobenzene-d5
Concen: 58.387 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF118388.D
Acq: 30 Dec 2019 18:37

Instrument :
BNA_F
ClientSampleId :
K321-WC-02

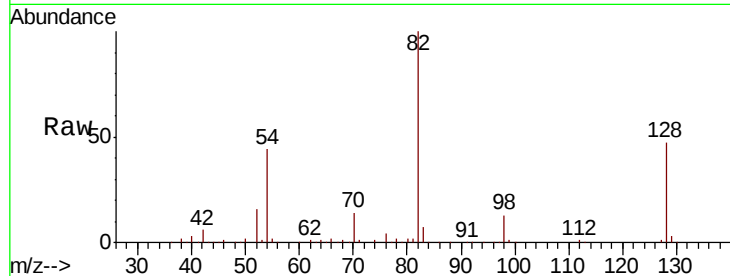
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.9	39.6	59.4	
54	44.4	34.9	52.3	

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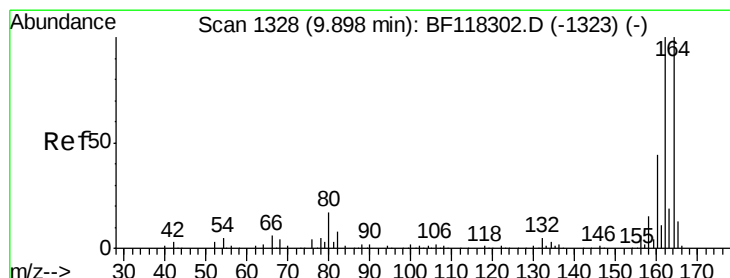
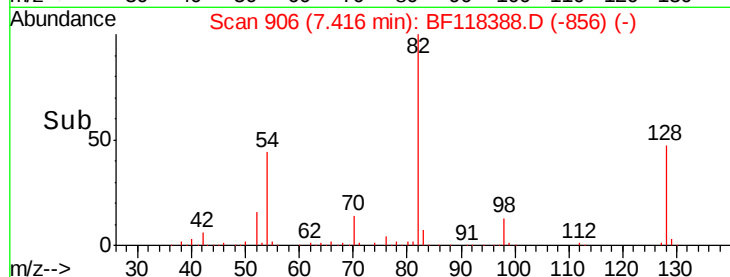
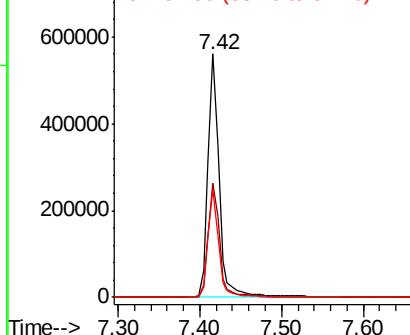
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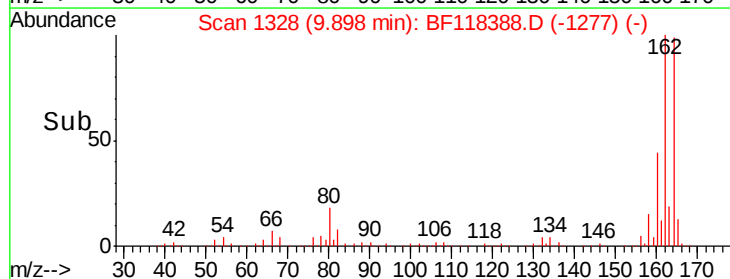
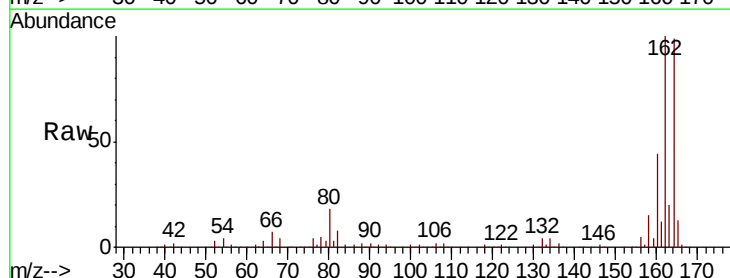
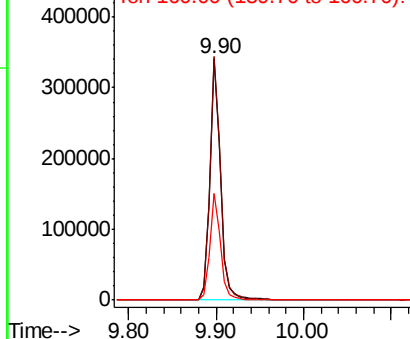
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

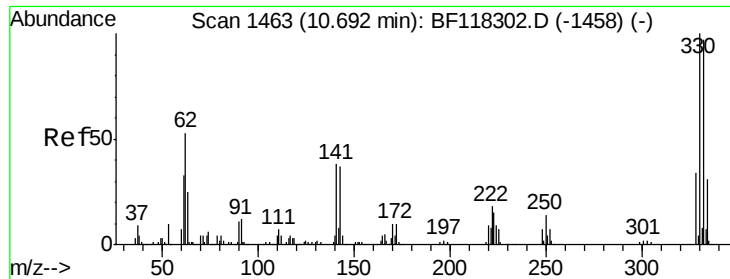


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BF118388.D
Acq: 30 Dec 2019 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.0	80.0	120.0	
160	44.3	34.8	52.2	

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#42
 2,4,6-Tribromophenol
 Concen: 89.666 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: BF118388.D
 Acq: 30 Dec 2019 18:37

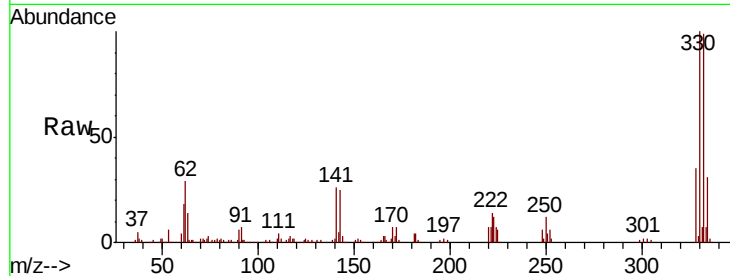
Instrument :
 BNA_F
 ClientSampleId :
 K321-WC-02

Tot Ion	Ratio	Resp	Lower	Upper
330	100	319604		
332	98.9	76.6	114.8	
141	33.1	26.0	39.0	

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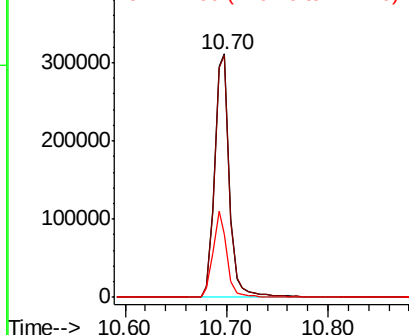


Abundance

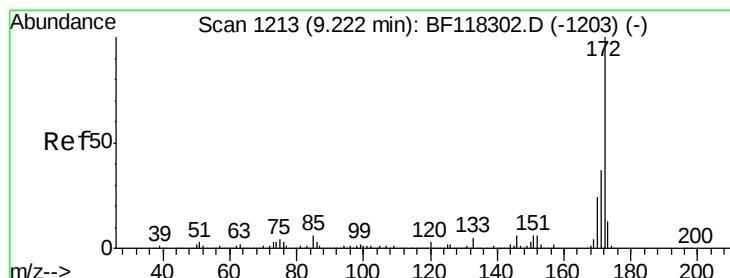
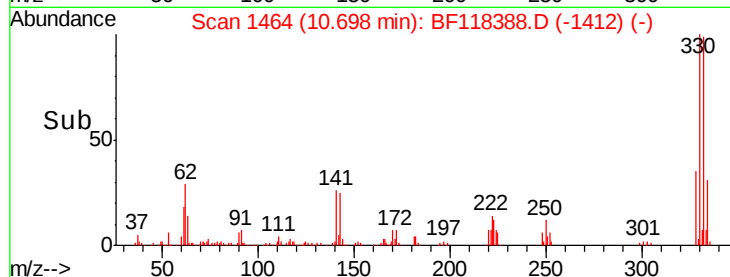
Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

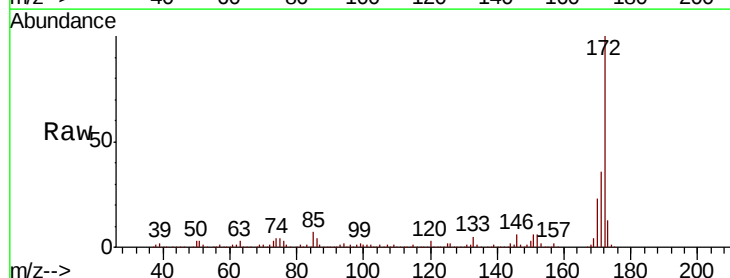


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#45
 2-Fluorobiphenyl
 Concen: 60.079 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: BF118388.D
 Acq: 30 Dec 2019 18:37

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1135997		
171	35.8	29.3	43.9	
170	23.2	19.2	28.8	

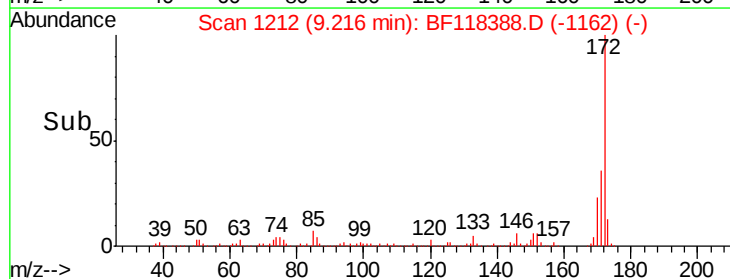
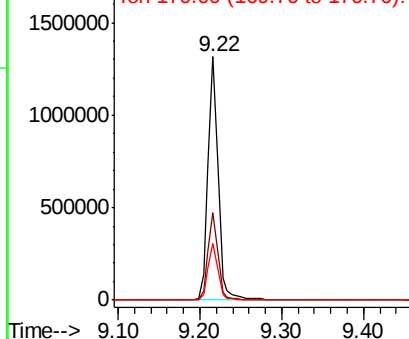


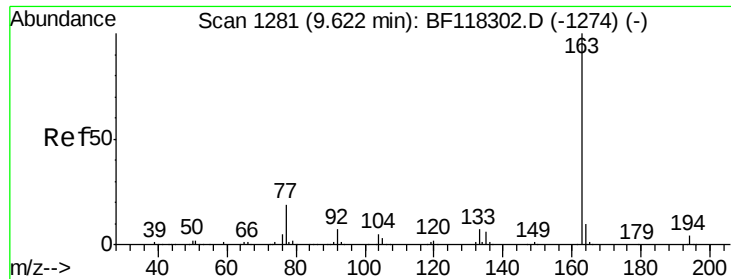
Abundance

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: 4.499 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF118388.D

Acq: 30 Dec 2019 18:37

Instrument :

BNA_F

ClientSampleId :

K321-WC-02

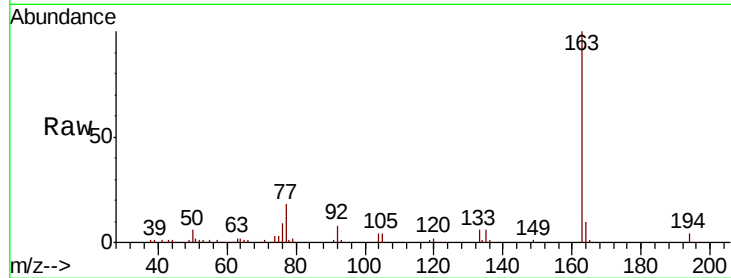
Tot Ion:	163	Resp:	97465
Ion Ratio	Lower	Upper	
163	100		
194	3.9	3.2	4.8
164	9.8	7.9	11.9

Manual Integrations
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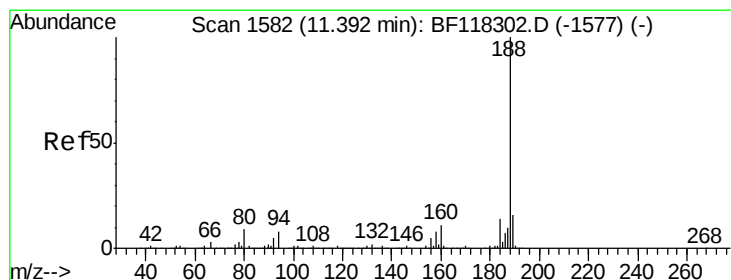
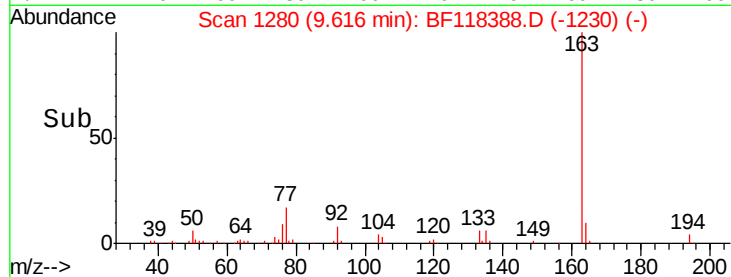
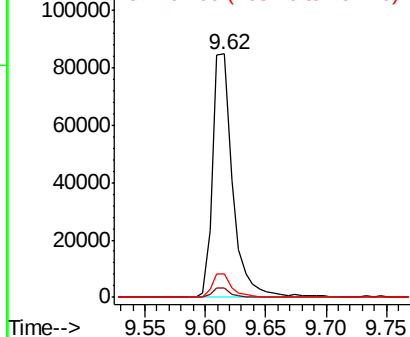
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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

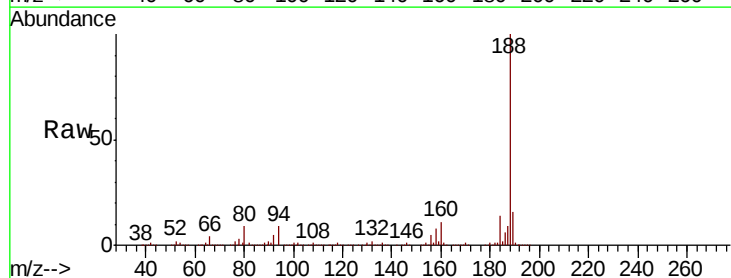
RT: 11.39 min Scan# 1582

Delta R.T. -0.00 min

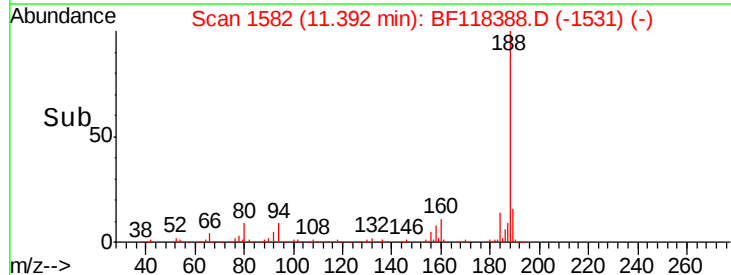
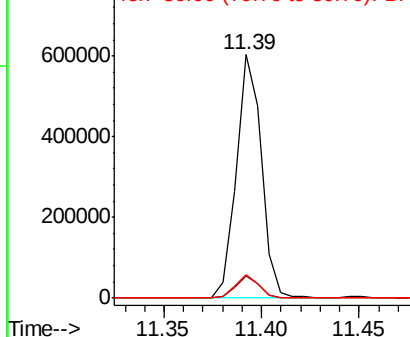
Lab File: BF118388.D

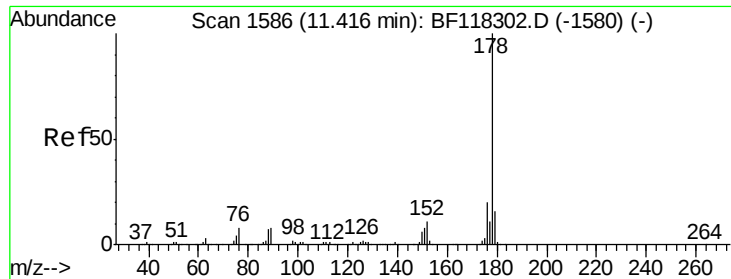
Acq: 30 Dec 2019 18:37

Tgt Ion:	188	Resp:	535899
Ion Ratio	Lower	Upper	
188	100		
94	9.0	6.7	10.1
80	9.5	7.2	10.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 25.664 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BF118388.D

Acq: 30 Dec 2019 18:37

Instrument :

BNA_F

ClientSampleId :

K321-WC-02

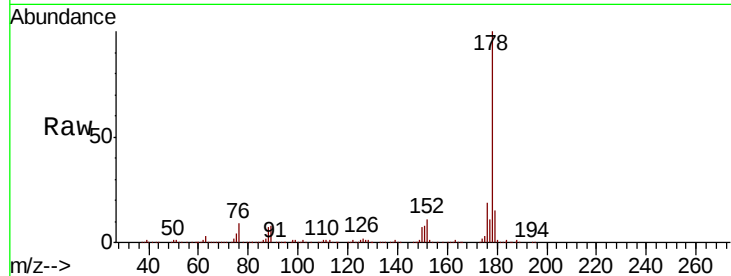
Tot Ion:178	Resp:	749768
Ion Ratio	Lower	Upper
178	100	
176	19.1	15.6 23.4
179	15.5	12.6 19.0

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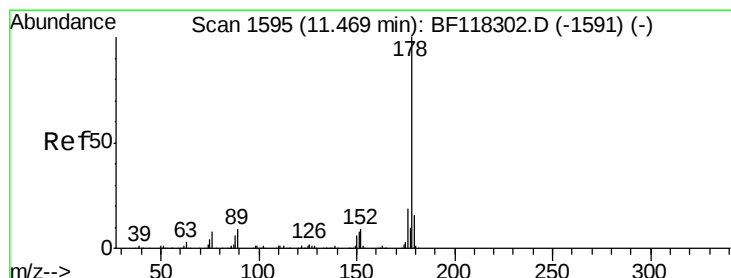
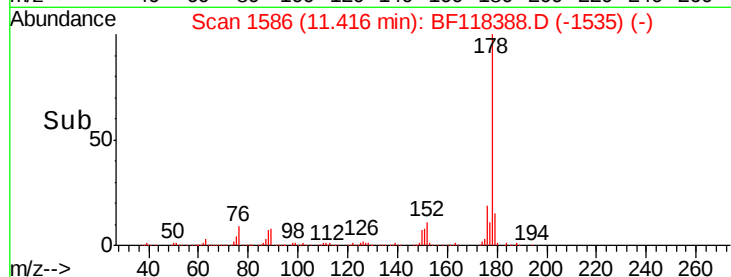
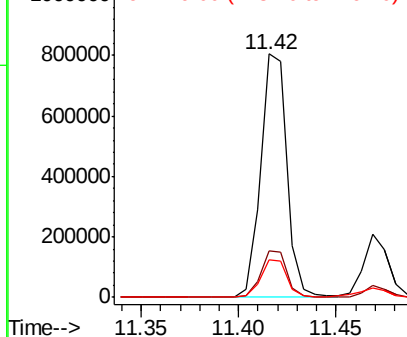
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 6.687 ng

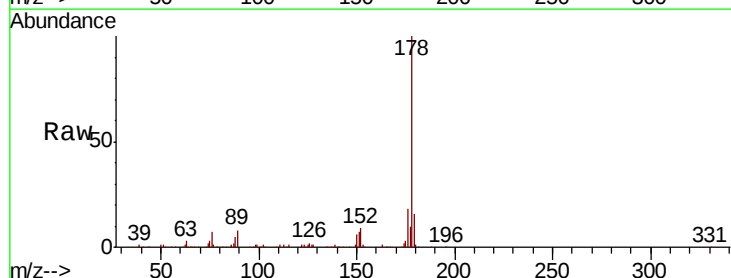
RT: 11.47 min Scan# 1595

Delta R.T. -0.00 min

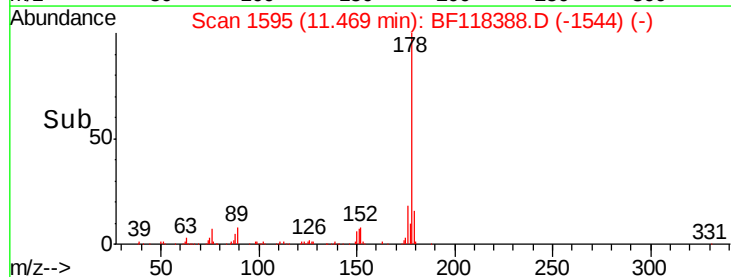
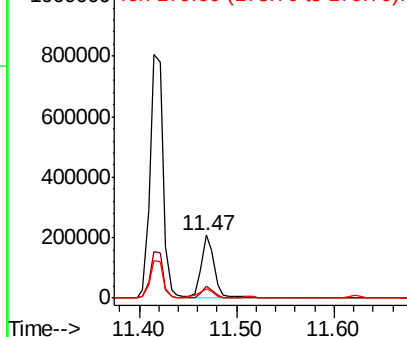
Lab File: BF118388.D

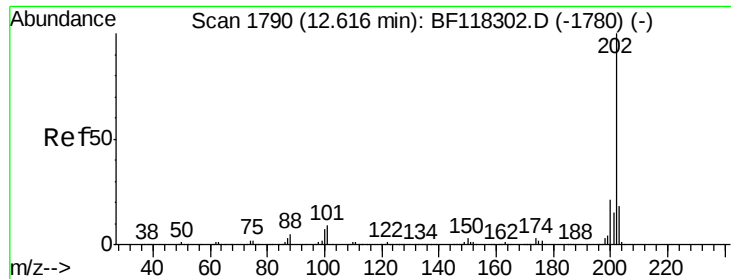
Acq: 30 Dec 2019 18:37

Tgt Ion:178	Resp:	195554
Ion Ratio	Lower	Upper
178	100	
176	18.2	15.2 22.8
179	15.5	12.9 19.3



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: 34.541 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.00 min

Lab File: BF118388.D

Acq: 30 Dec 2019 18:37

Instrument :

BNA_F

ClientSampleId :

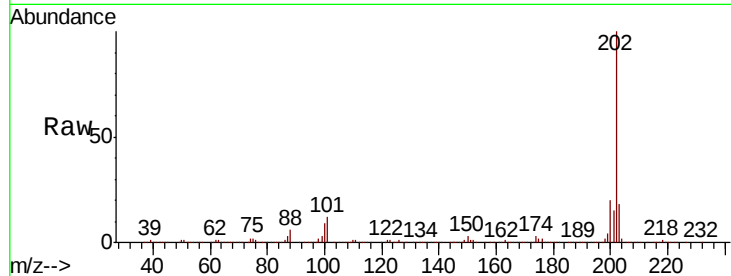
K321-WC-02

Tot Ion:	202	Resp:	1018395
Ion Ratio	Lower	Upper	
202	100		
101	11.8	0.0	29.5
203	17.9	0.0	37.6

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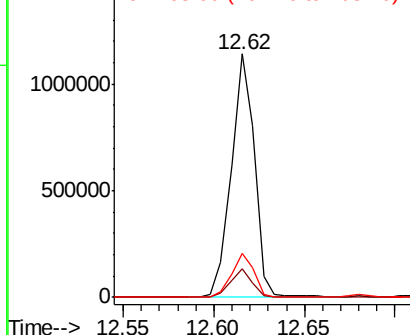


Abundance

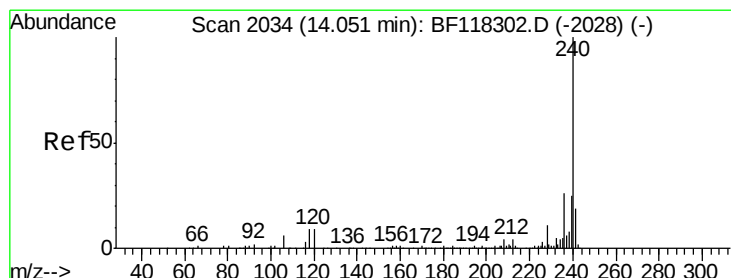
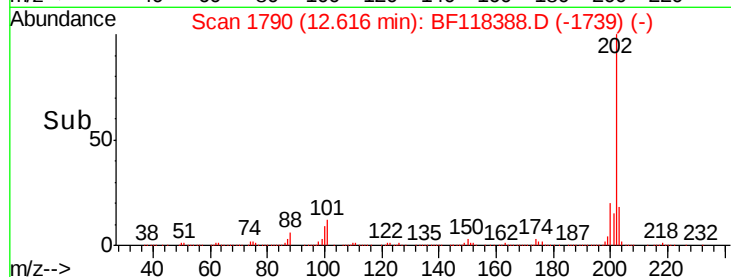
Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



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#76

Chrysene-d12

Concen: 20.000 ng

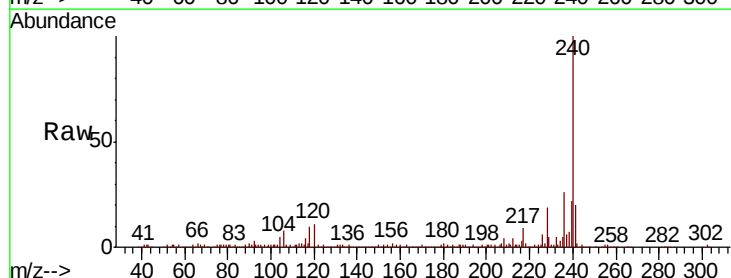
RT: 14.05 min Scan# 2034

Delta R.T. -0.00 min

Lab File: BF118388.D

Acq: 30 Dec 2019 18:37

Tgt Ion:	240	Resp:	323643
Ion Ratio	Lower	Upper	
240	100		
120	10.8	7.1	10.7#
236	26.2	21.0	31.6

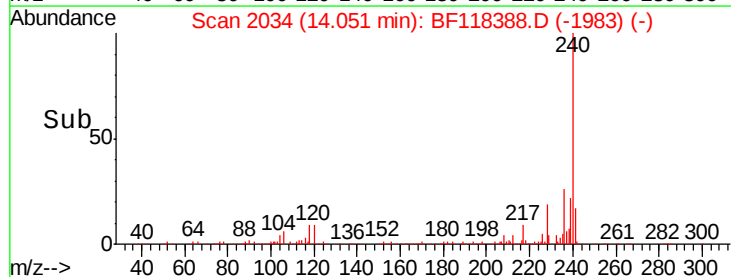
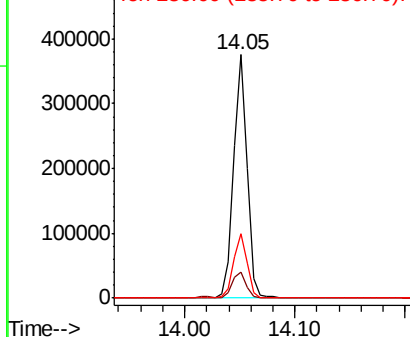


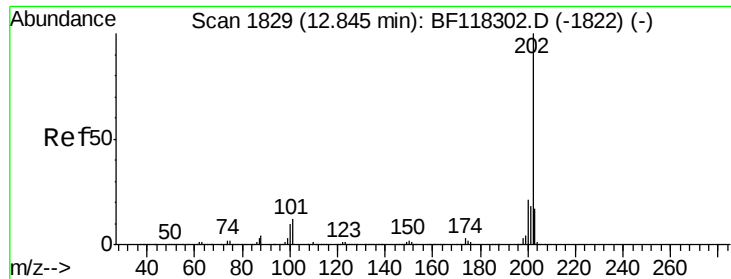
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78
Pvrene
Concen: 33.197 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.00 min
Lab File: BF118388.D
Acq: 30 Dec 2019 18:37

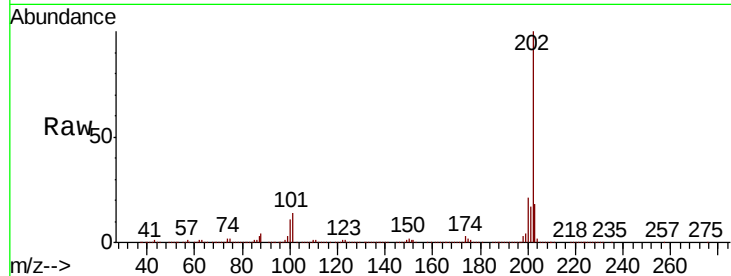
Instrument :
BNA_F
ClientSampleId :
K321-WC-02

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.8	25.2
203	17.8	13.9	20.9

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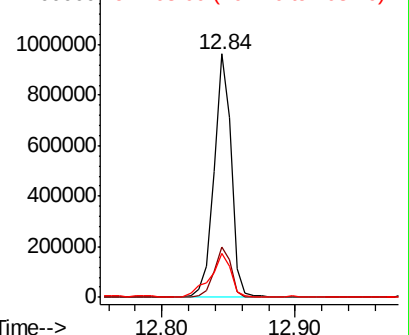


Abundance

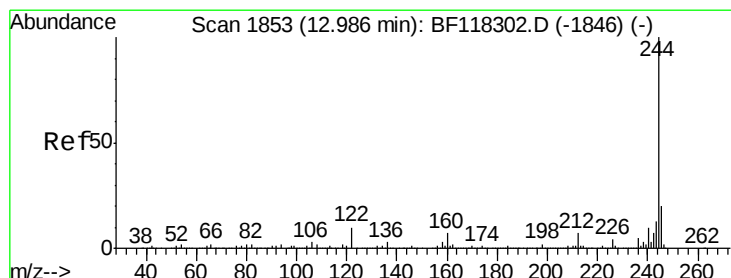
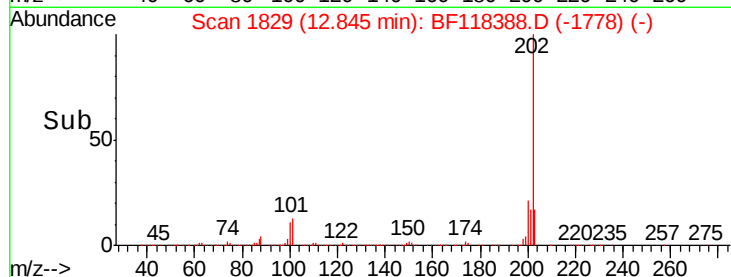
Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

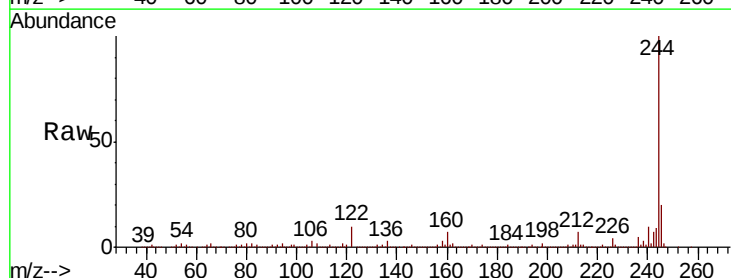


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#79
Terphenyl-d14
Concen: 67.310 ng
RT: 12.99 min Scan# 1853
Delta R.T. -0.00 min
Lab File: BF118388.D
Acq: 30 Dec 2019 18:37

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.2
122	10.5	7.8	11.8

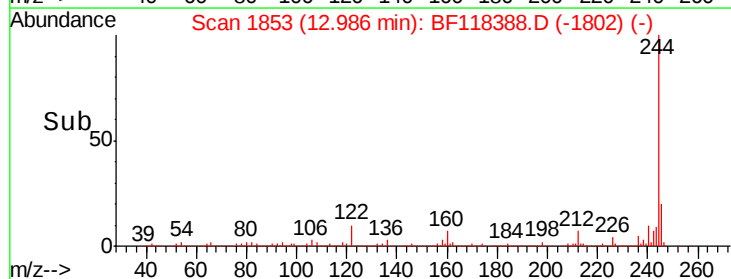
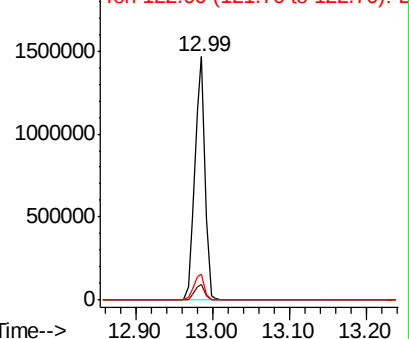


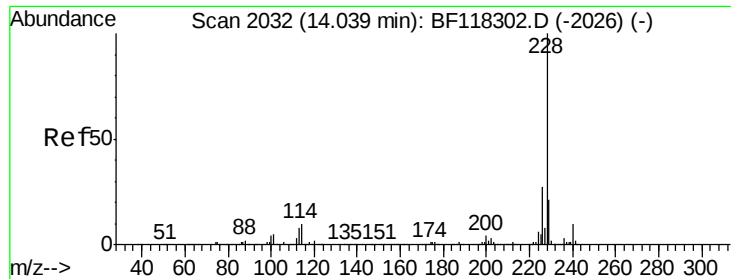
Abundance

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: 17.290 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.00 min

Lab File: BF118388.D

Acq: 30 Dec 2019 18:37

Instrument :

BNA_F

ClientSampleId :

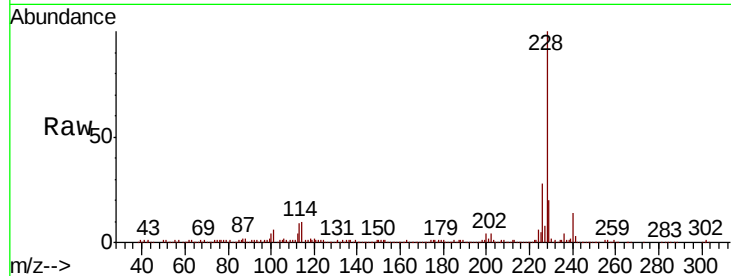
K321-WC-02

Tot Ion:	228	Resp:	391697
Ion Ratio	Lower	Upper	
228	100		
226	27.6	22.0	33.0
229	20.1	16.6	24.8

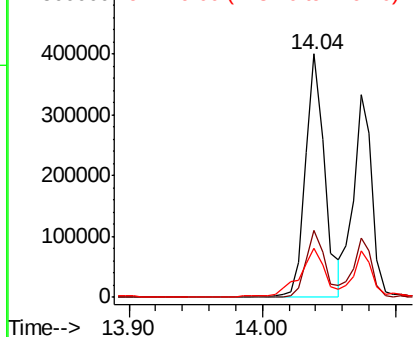
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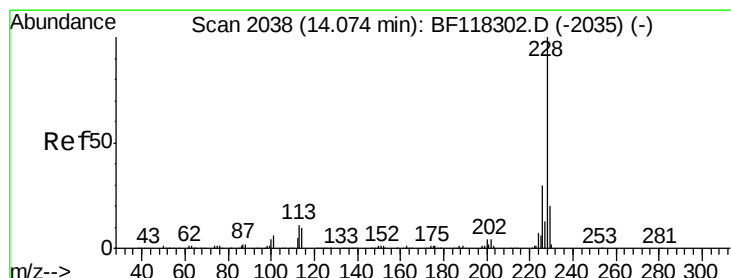
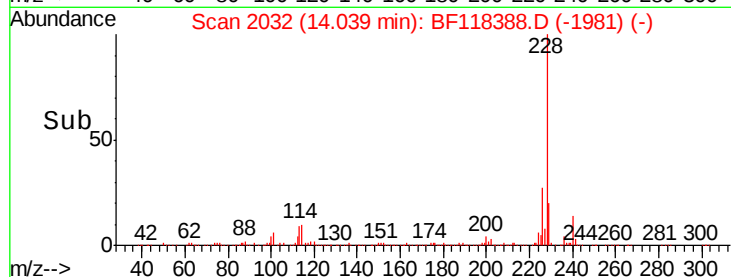
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



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#83

Chrysene

Concen: 15.058 ng

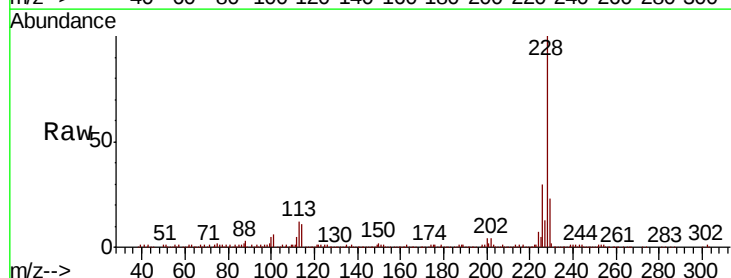
RT: 14.07 min Scan# 2038

Delta R.T. -0.00 min

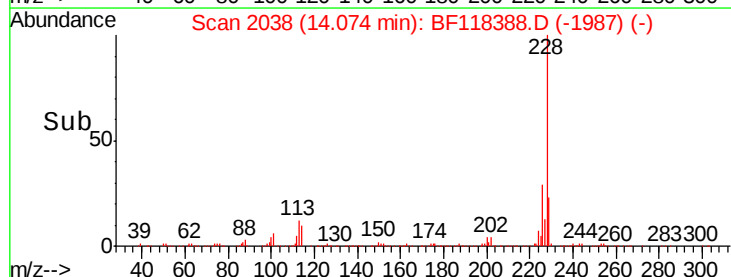
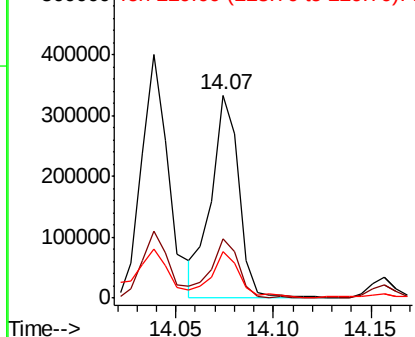
Lab File: BF118388.D

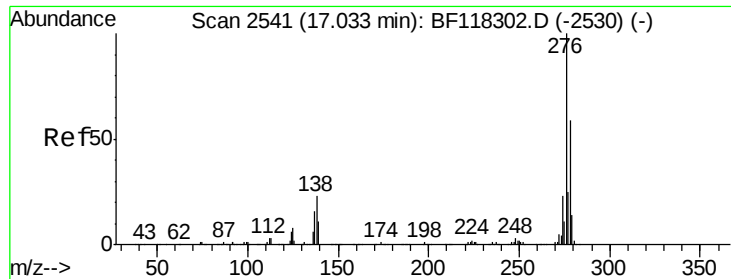
Acq: 30 Dec 2019 18:37

Tgt Ion:	228	Resp:	326625
Ion Ratio	Lower	Upper	
228	100		
226	29.5	23.9	35.9
229	22.9	16.1	24.1



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





#86
Indeno(1,2,3-cd)pyrene
Concen: 10.459 ng
RT: 17.05 min Scan# 2544
Delta R.T. 0.02 min
Lab File: BF118388.D
Acq: 30 Dec 2019 18:37

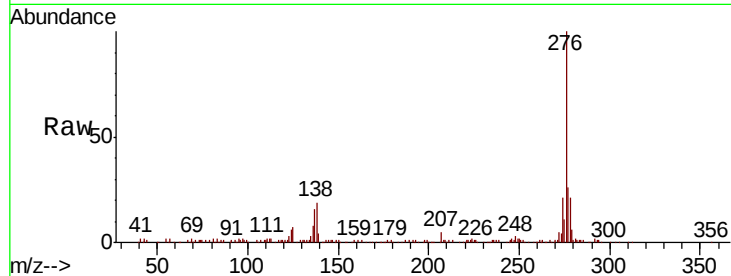
Instrument :
BNA_F
ClientSampleId :
K321-WC-02

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.5	19.5	29.3
277	23.6	20.6	30.8

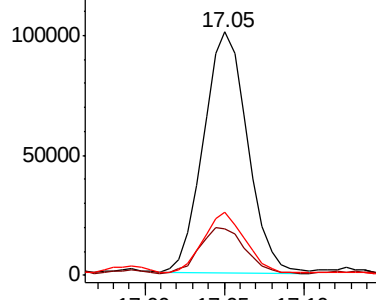
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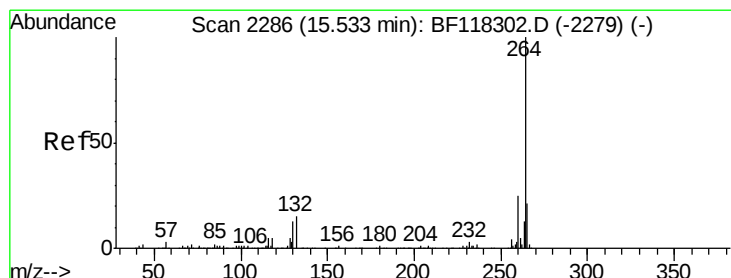
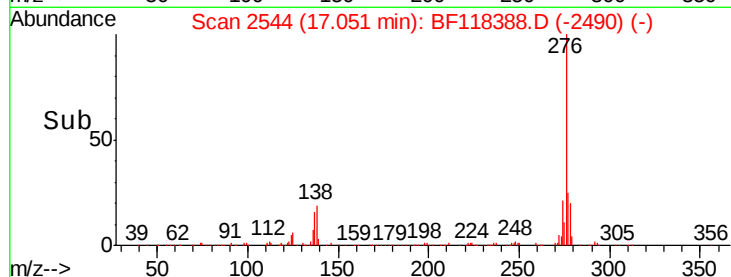
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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

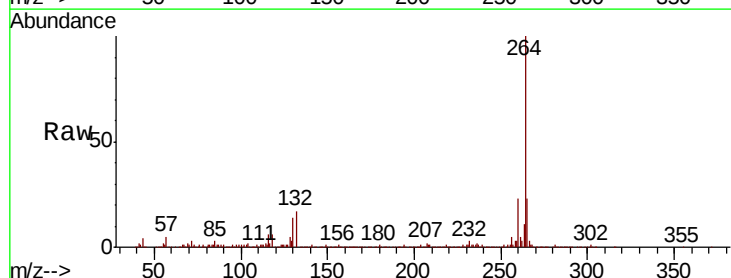


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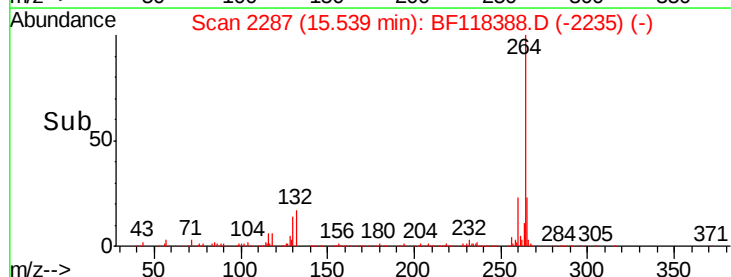
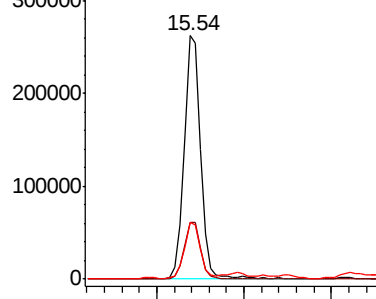


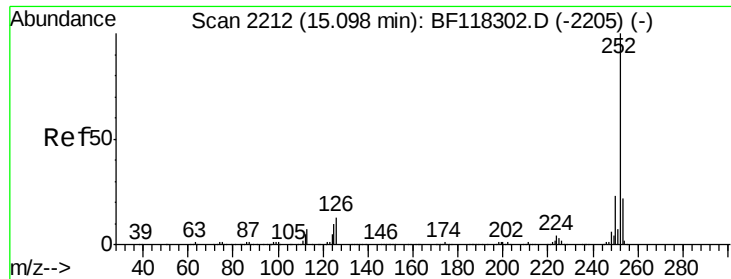
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BF118388.D
Acq: 30 Dec 2019 18:37

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.8	29.6
265	23.1	17.0	25.4



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: 18.113 ng m
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF118388.D
Acq: 30 Dec 2019 18:37

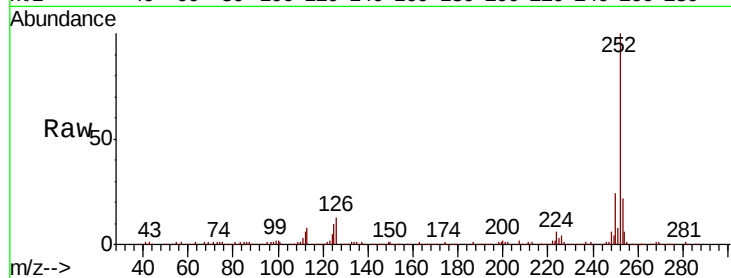
Instrument :
BNA_F
ClientSampleId :
K321-WC-02

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	10.2	7.7	11.5

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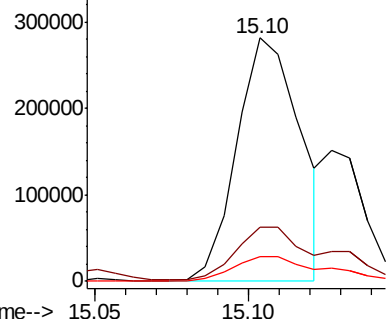


Abundance

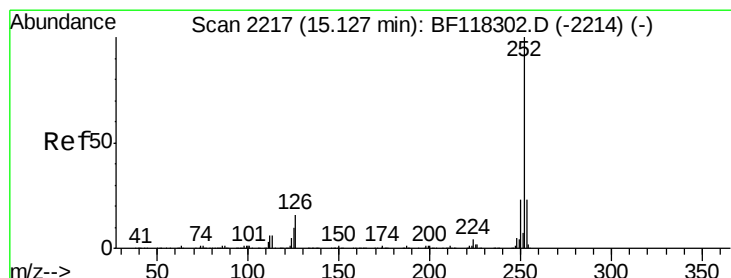
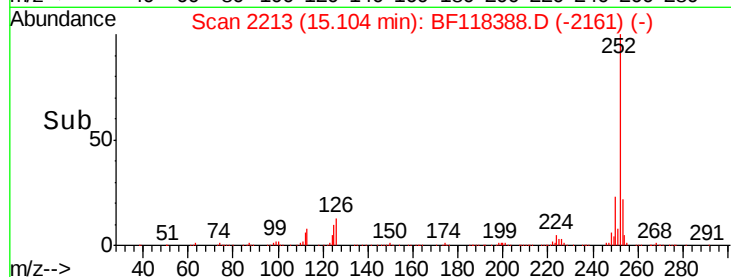
Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



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#89
Benzo(k)fluoranthene
Concen: 6.478 ng m
RT: 15.13 min Scan# 2217
Delta R.T. -0.00 min
Lab File: BF118388.D
Acq: 30 Dec 2019 18:37

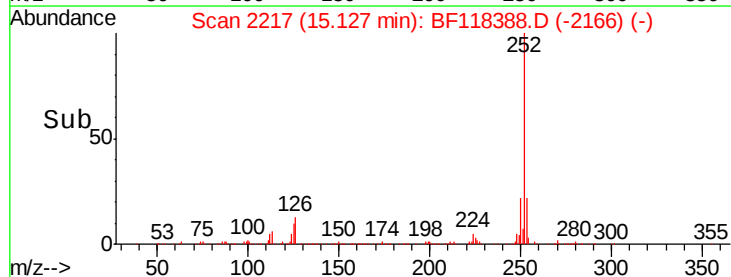
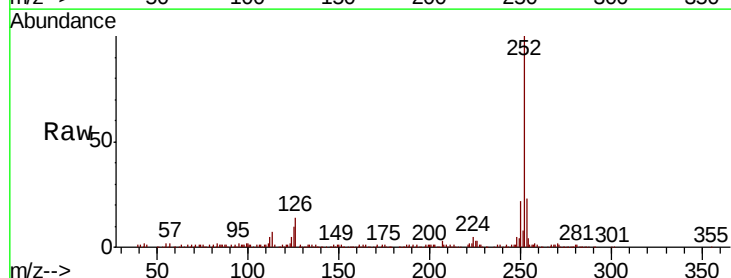
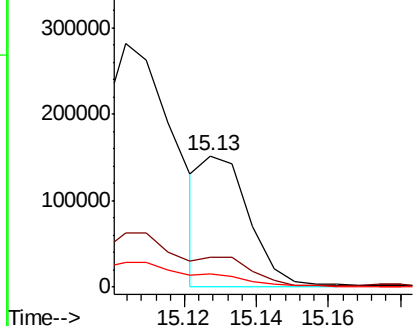
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	10.4	8.0	12.0

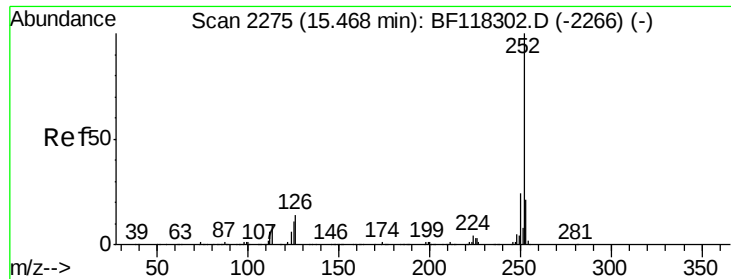
Abundance

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





#90
Benzo(a)pyrene
Concen: 14.904 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.01 min
Lab File: BF118388.D
Acq: 30 Dec 2019 18:37

Instrument :
BNA_F
ClientSampleId :
K321-WC-02

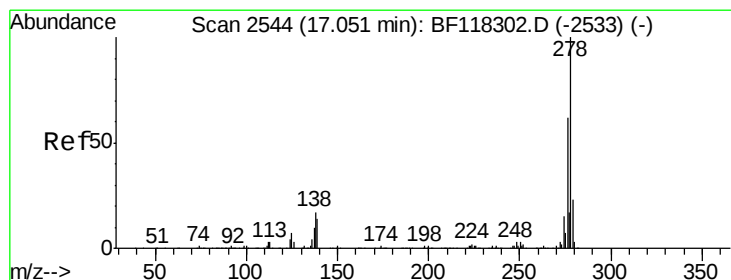
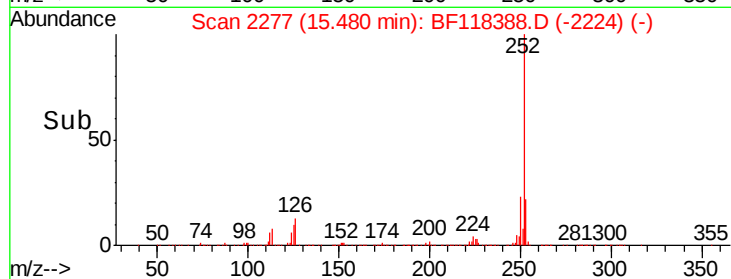
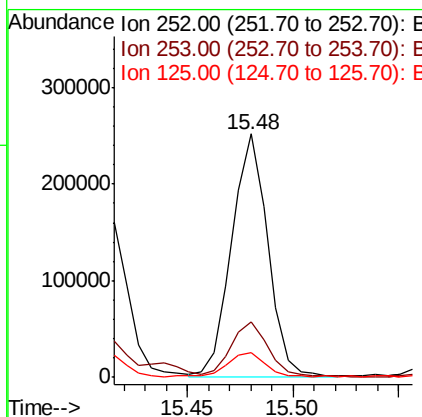
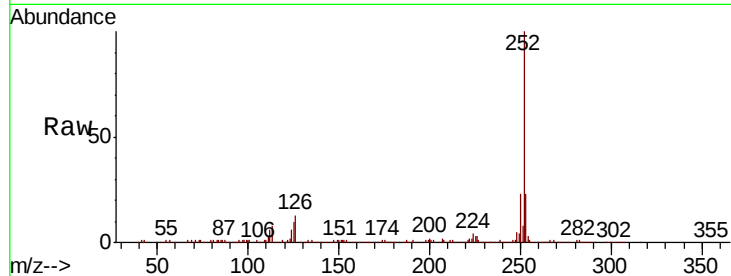
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	10.3	9.0	13.4

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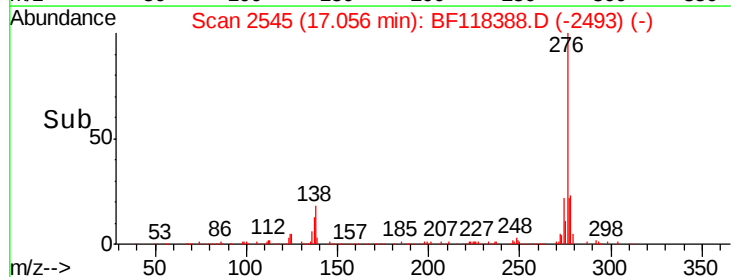
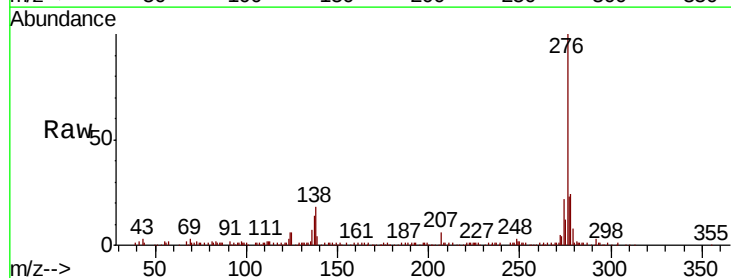
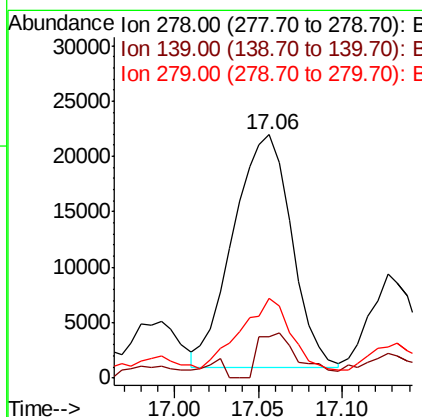
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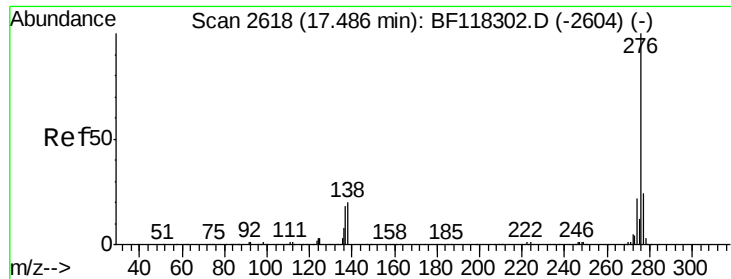
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#91
Dibenzo(a,h)anthracene
Concen: 2.932 ng m
RT: 17.06 min Scan# 2545
Delta R.T. 0.01 min
Lab File: BF118388.D
Acq: 30 Dec 2019 18:37

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.8	11.5	17.3
279	32.6	18.3	27.5#





#92
 Benzo(a,h,i)perylene
 Concen: 10.841 ng
 RT: 17.51 min Scan# 2622
 Delta R.T. 0.02 min
 Lab File: BF118388.D
 Acq: 30 Dec 2019 18:37

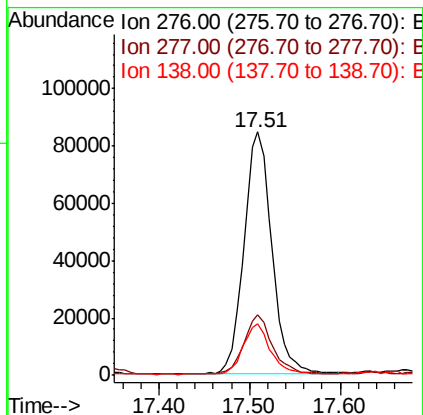
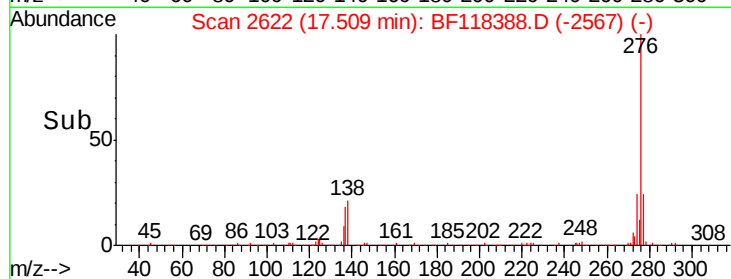
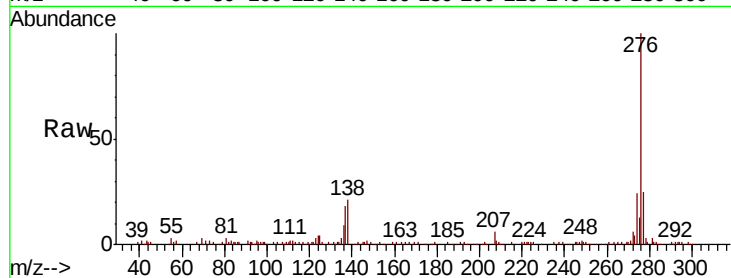
Instrument :
 BNA_F
 ClientSampleId :
 K321-WC-02

Tot Ion:	276	Resp:	180673
Ion Ratio	Lower	Upper	
276	100		
277	24.6	19.1	28.7
138	21.3	16.1	24.1

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