

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030419\
 Data File : BF112821.D
 Acq On : 4 Mar 2019 13:50
 Operator : JU/SJ
 Sample : K1707-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S10

Manual Integrations
 APPROVED

Sohil
 3/5/2019 11:00:38 AM

Quant Time: Mar 05 01:11:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	183741	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	693349	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	322233	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	586012	20.00	ng	0.00
76) Chrysene-d12	13.88	240	444475	20.00	ng	0.00
87) Perylene-d12	15.29	264	443918	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1170941	99.13	ng	0.01
7) Phenol-d6	6.38	99	1551898	104.59	ng	0.01
23) Nitrobenzene-d5	7.30	82	952421	82.20	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	415241	121.38	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1570351	79.33	ng	0.00
79) Terphenyl-d14	12.83	244	1357234	59.19	ng	0.00
Target Compounds						
10) Phenol	6.39	94	69531	4.016	ng	89
50) Dimethylphthalate	9.49	163	122458	5.154	ng	99
71) Phenanthrene	11.27	178	119079	4.084	ng	98
75) Fluoranthene	12.46	202	297740	9.531	ng	98
78) Pyrene	12.69	202	277364	7.402	ng	98
81) Benzo(a)anthracene	13.87	228	166082	5.391	ng	93
83) Chrysene	13.90	228	150475	4.987	ng	97
86) Indeno(1,2,3-cd)pyrene	16.65	276	76186	2.962	ng	# 92
88) Benzo(b)fluoranthene	14.89	252	216815m	7.551	ng	
89) Benzo(k)fluoranthene	14.92	252	55177m	2.121	ng	
90) Benzo(a)pyrene	15.23	252	138782	5.464	ng	99
92) Benzo(a,h,i)perylene	17.06	276	67587	3.106	ng	97

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

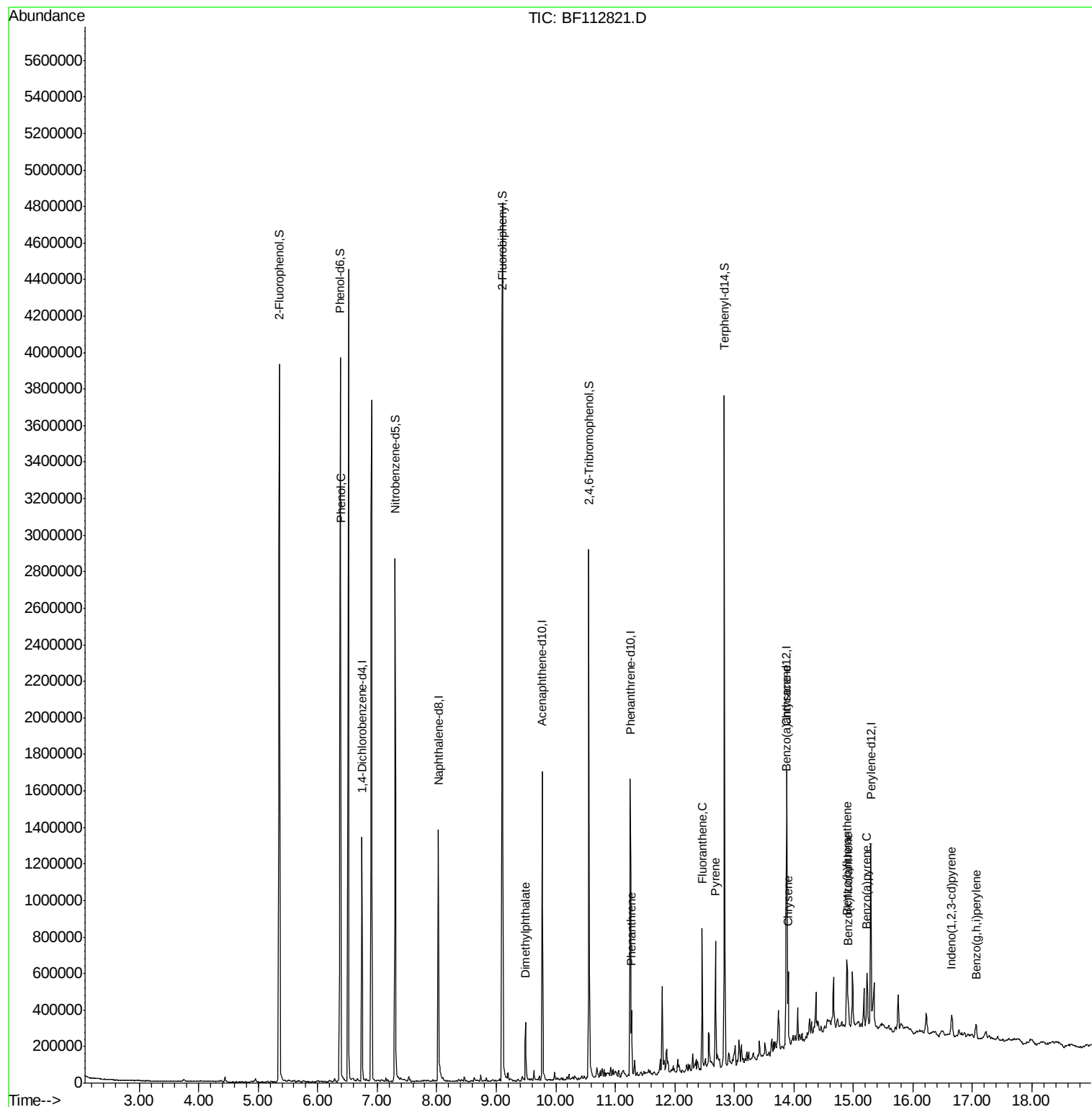
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030419\
Data File : BF112821.D
Acq On : 4 Mar 2019 13:50
Operator : JU/SJ
Sample : K1707-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

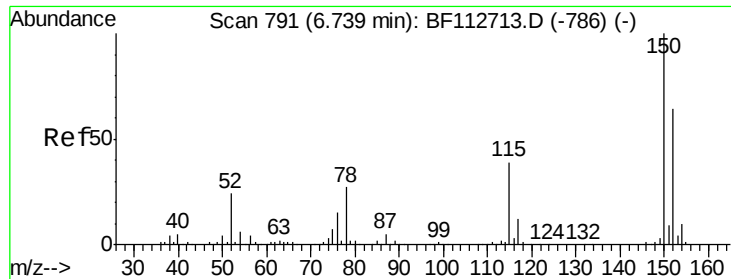
Instrument :
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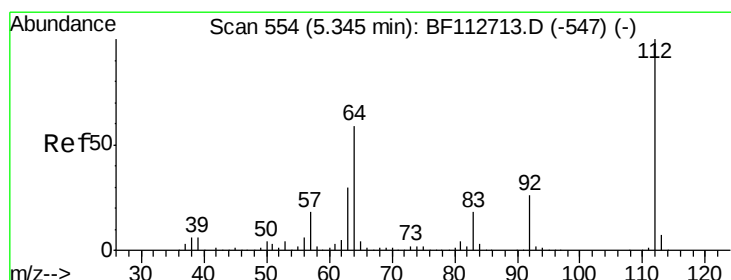
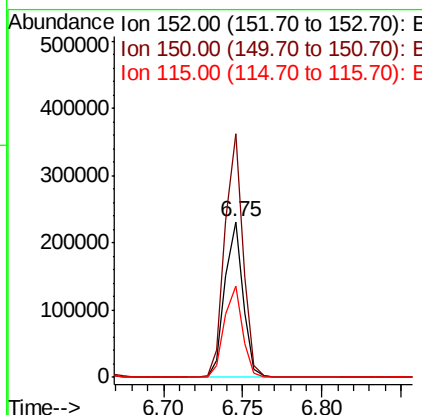
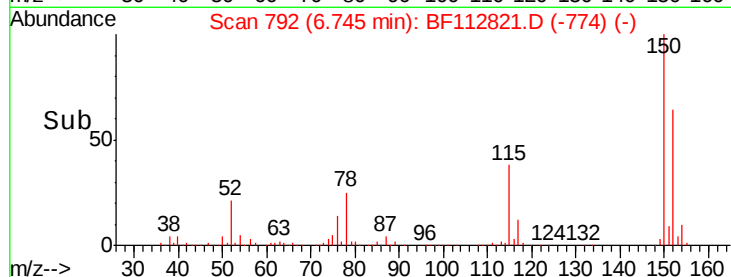
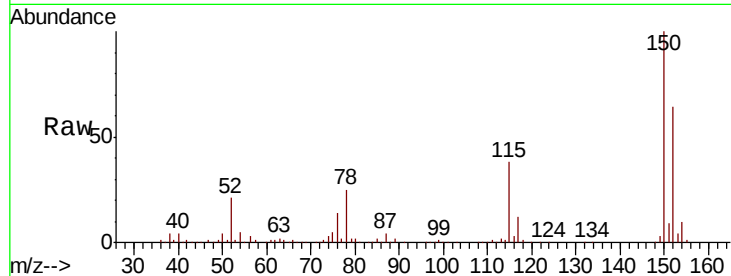
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF112821.D
Acq: 4 Mar 2019 13:50

Instrument :
BNA_F
ClientSampled :
S10

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.2	186.2
115	59.0	48.2	72.4

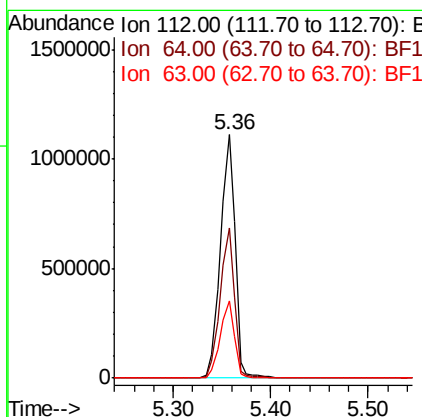
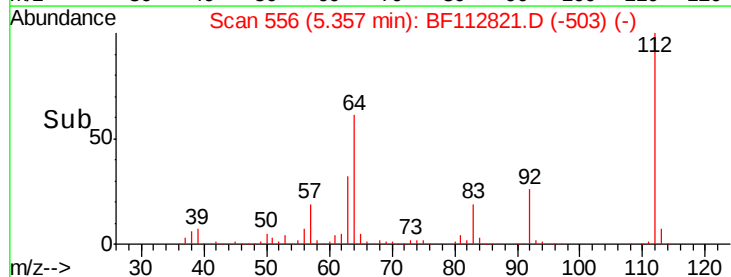
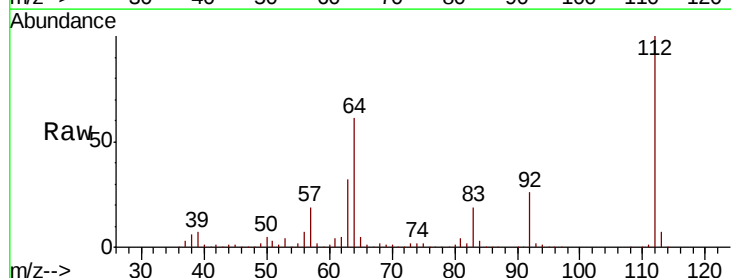
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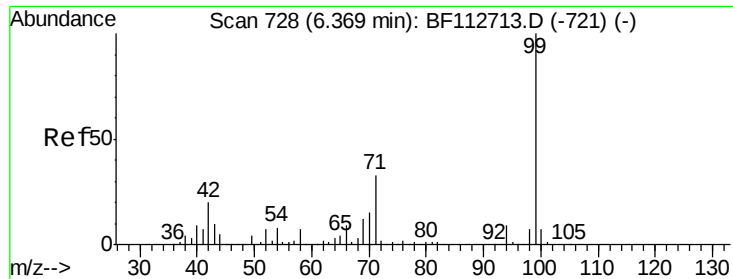
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#5
2-Fluorophenol
Concen: 99.131 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF112821.D
Acq: 4 Mar 2019 13:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.5	47.6	71.4
63	32.0	24.4	36.6





#7

Phenol-d6

Concen: 104.591 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF112821.D

Acq: 4 Mar 2019 13:50

Instrument :

BNA_F

ClientSampled :

S10

Tot Ion: 99 Resp: 1551898

Ion Ratio Lower Upper

99 100

42 20.2 16.3 24.5

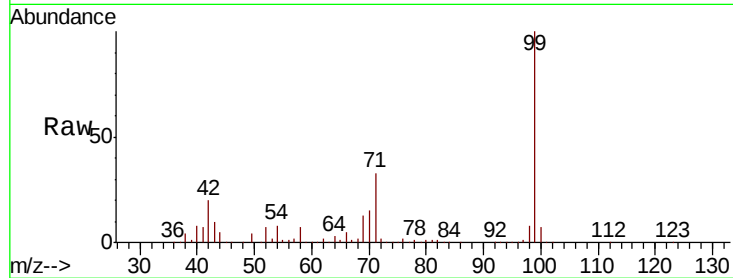
71 33.5 26.2 39.4

Manual Integrations

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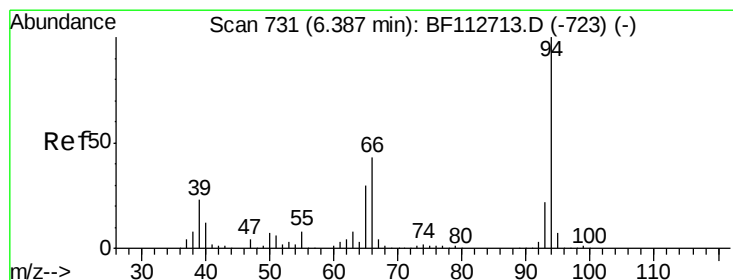
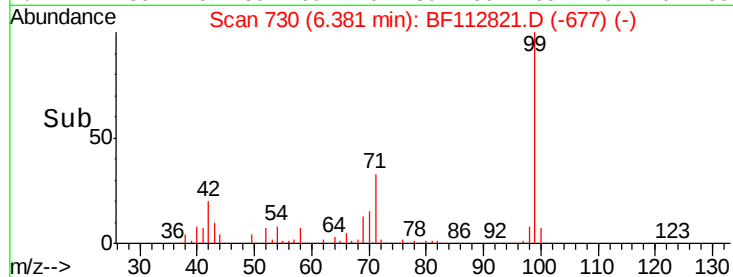
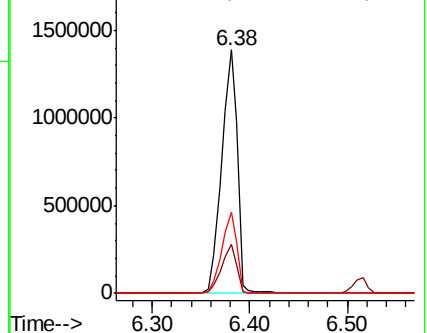
3/5/2019 11:00:38 AM



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: 4.016 ng

RT: 6.39 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF112821.D

Acq: 4 Mar 2019 13:50

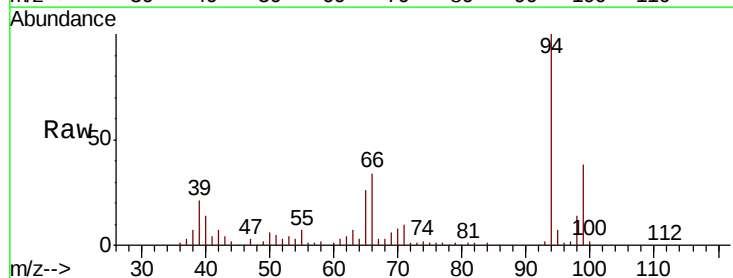
Tgt Ion: 94 Resp: 69531

Ion Ratio Lower Upper

94 100

65 26.3 10.5 50.5

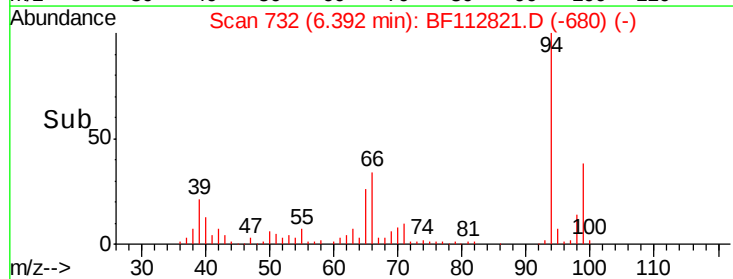
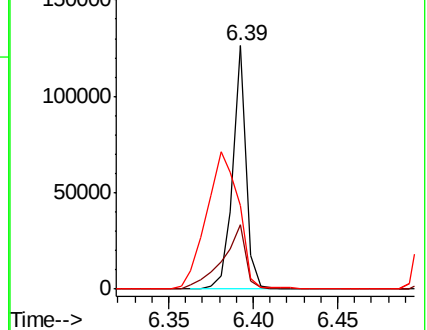
66 34.5 22.6 62.6

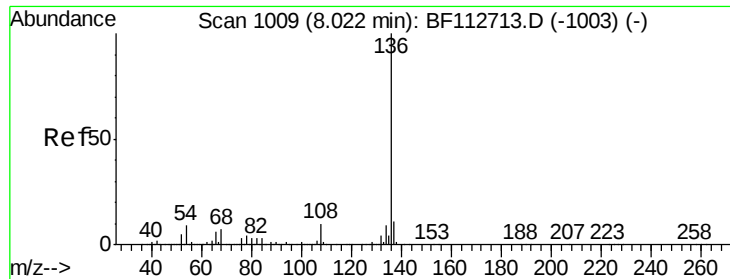


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





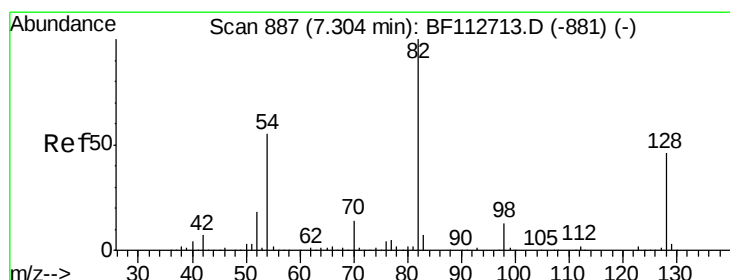
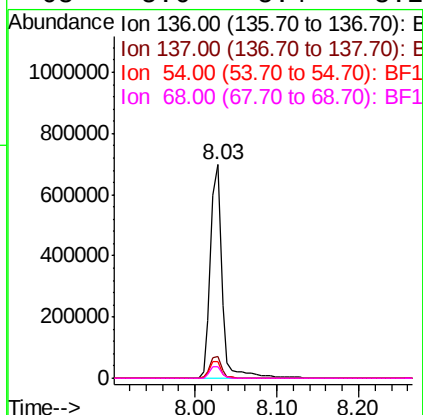
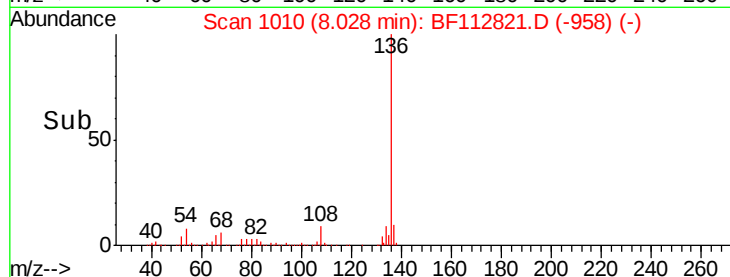
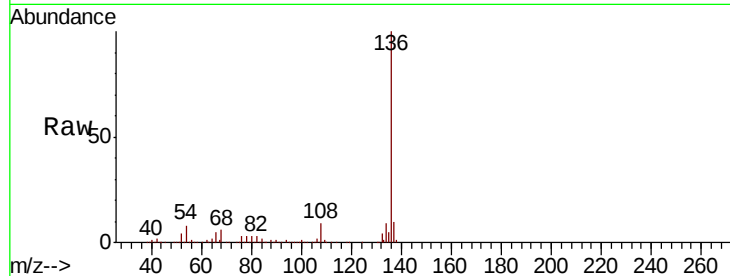
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1010
Delta R.T. 0.01 min
Lab File: BF112821.D
Acq: 4 Mar 2019 13:50

Instrument :
BNA_F
ClientSampled :
S10

Tot Ion	Ratio	Resp	Lower	Upper
136	100	693349		
137	10.4		8.9	13.3
54	7.8		7.3	10.9
68	5.6		5.4	8.2

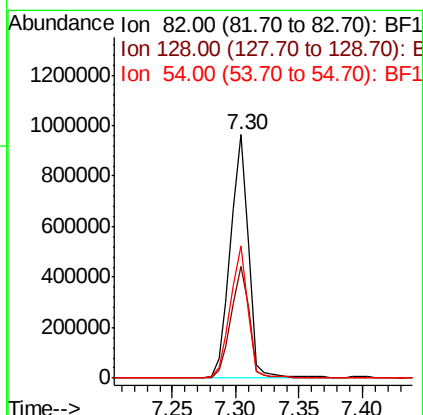
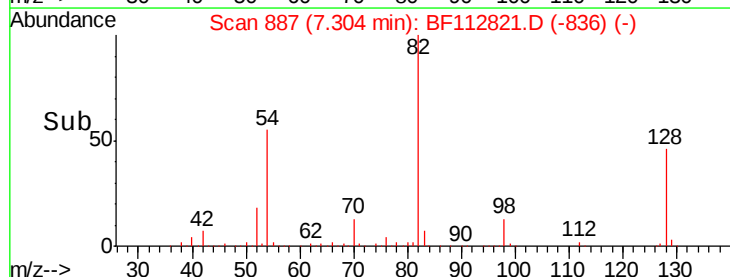
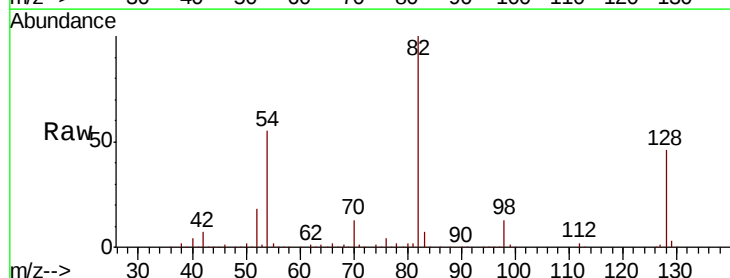
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#23
Nitrobenzene-d5
Concen: 82.197 ng
RT: 7.30 min Scan# 887
Delta R.T. 0.00 min
Lab File: BF112821.D
Acq: 4 Mar 2019 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	952421		
128	46.0		36.3	54.5
54	54.5		43.7	65.5





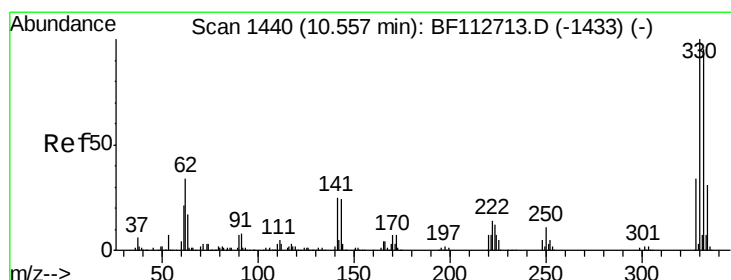
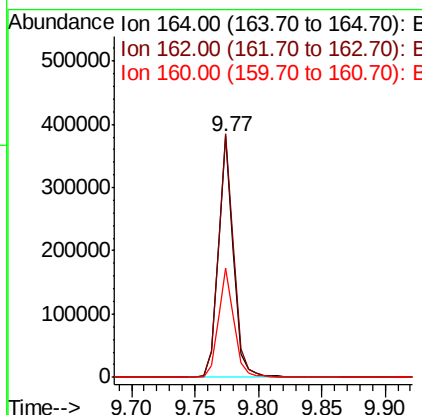
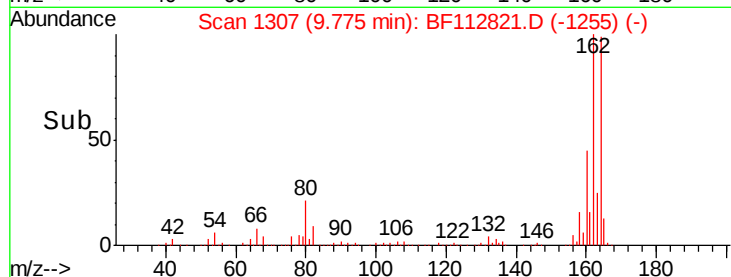
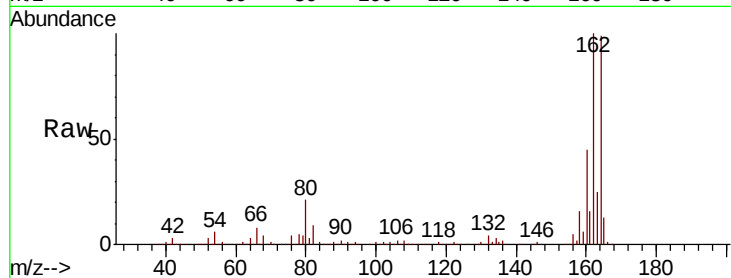
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.01 min
Lab File: BF112821.D
Acq: 4 Mar 2019 13:50

Instrument :
BNA_F
ClientSampled :
S10

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.2	80.6	120.8	
160	45.6	36.0	54.0	

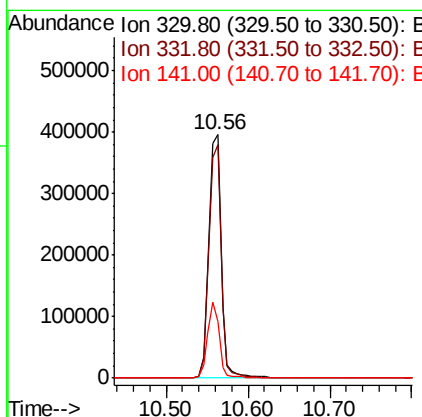
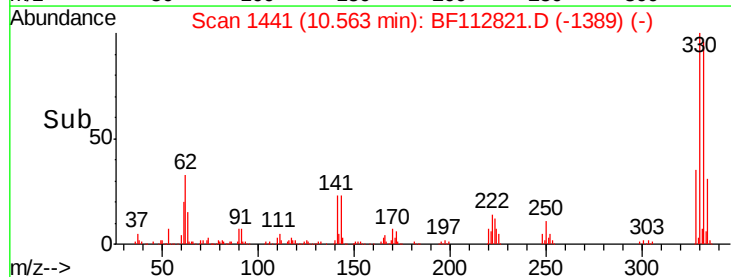
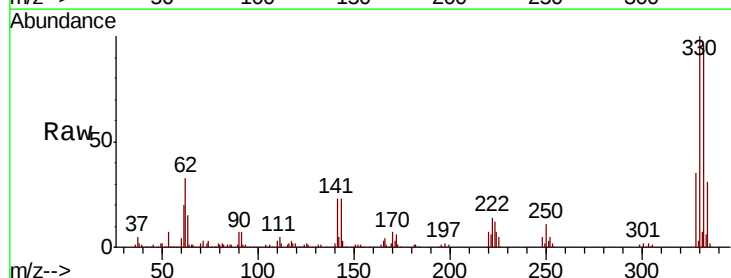
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#42
2,4,6-Tribromophenol
Concen: 121.383 ng
RT: 10.56 min Scan# 1441
Delta R.T. 0.01 min
Lab File: BF112821.D
Acq: 4 Mar 2019 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.2	76.2	114.4	
141	29.9	27.0	40.6	





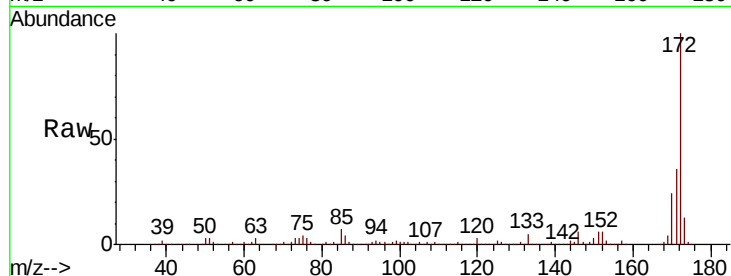
#45
2-Fluorobiphenyl
Concen: 79.332 ng
RT: 9.10 min Scan# 1193
Delta R.T. 0.01 min
Lab File: BF112821.D
Acq: 4 Mar 2019 13:50

Instrument :
BNA_F
ClientSampleId :
S10

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.0	43.4
170	24.5	20.0	30.0

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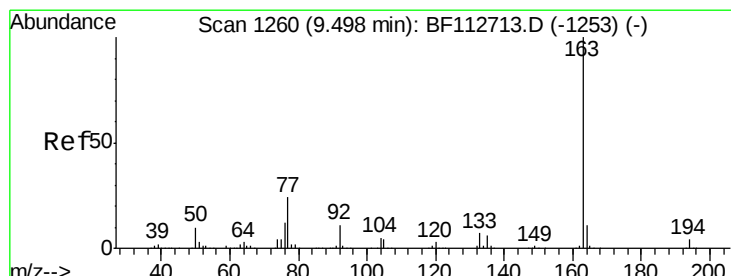
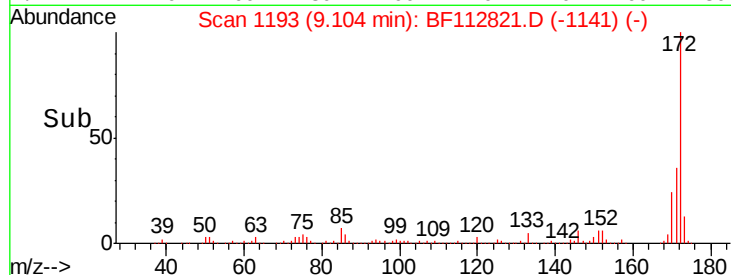
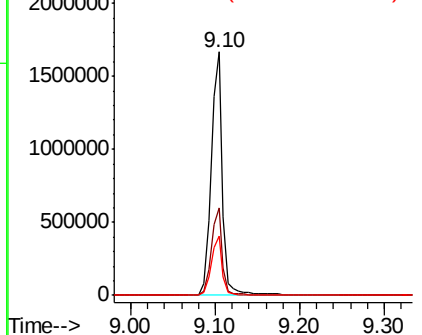


Abundance

Ion 172.00 (171.70 to 172.70): E

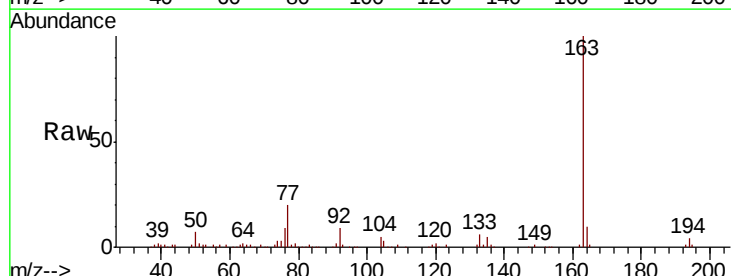
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 5.154 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.01 min
Lab File: BF112821.D
Acq: 4 Mar 2019 13:50

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.0	4.4
164	10.3	8.4	12.6

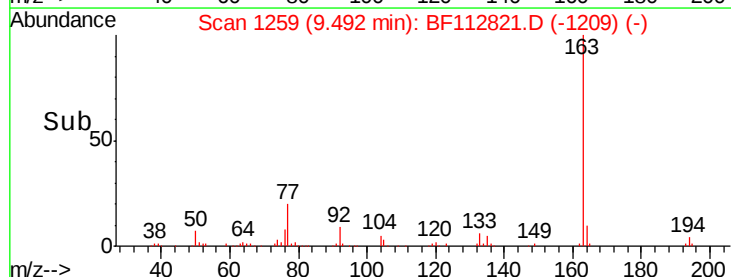
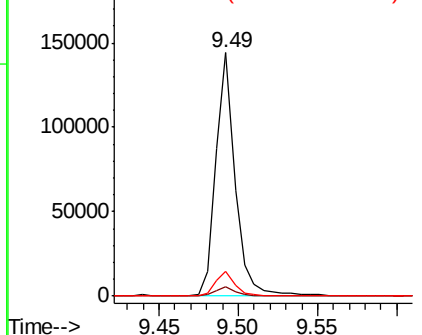


Abundance

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





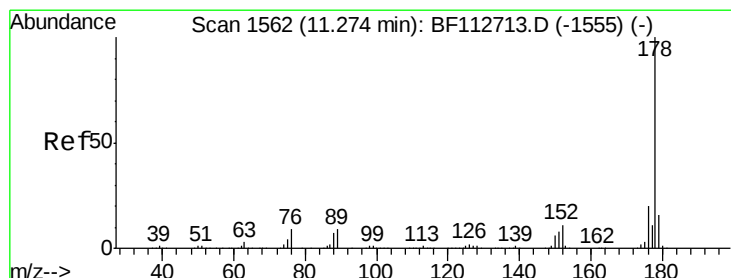
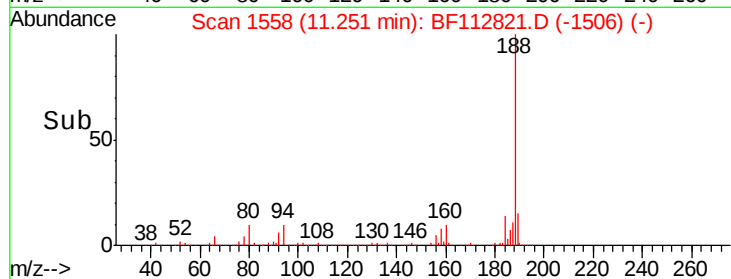
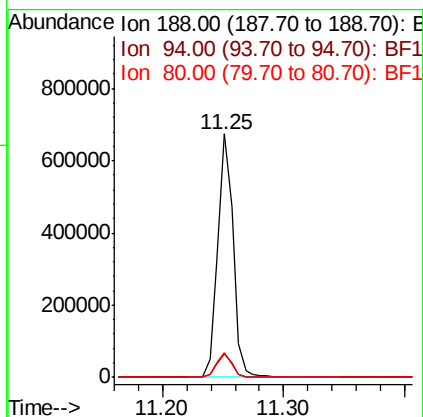
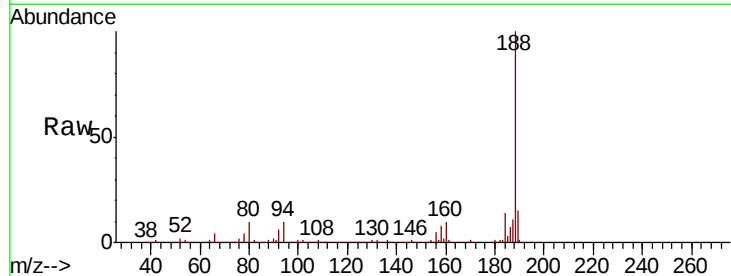
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BF112821.D
Acq: 4 Mar 2019 13:50

Instrument :
BNA_F
ClientSampled :
S10

Tot Ion	Ratio	Resp	Lower	Upper
188	100	586012		
94	9.7		9.0	13.4
80	10.1		9.2	13.8

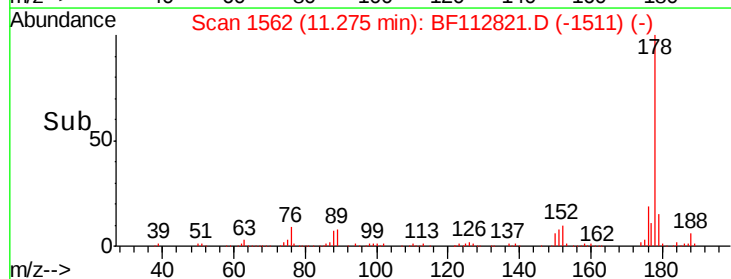
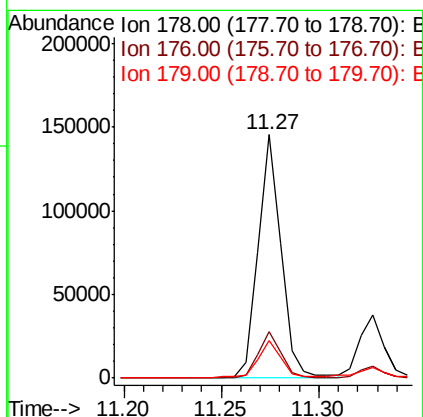
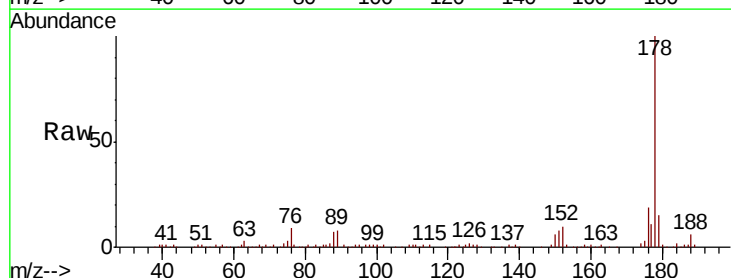
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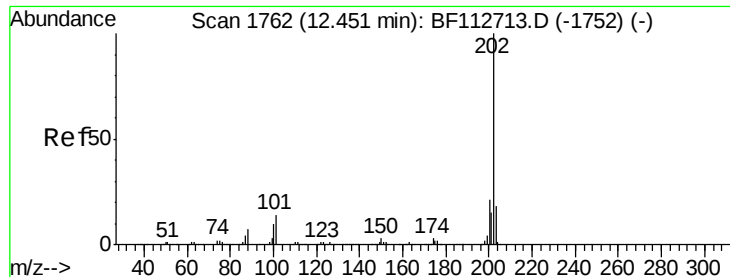
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#71
Phenanthrene
Concen: 4.084 ng
RT: 11.27 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF112821.D
Acq: 4 Mar 2019 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	119079		
176	19.0		16.3	24.5
179	15.3		12.7	19.1





#75

Fluoranthene

Concen: 9.531 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF112821.D

Acq: 4 Mar 2019 13:50

Instrument :

BNA_F

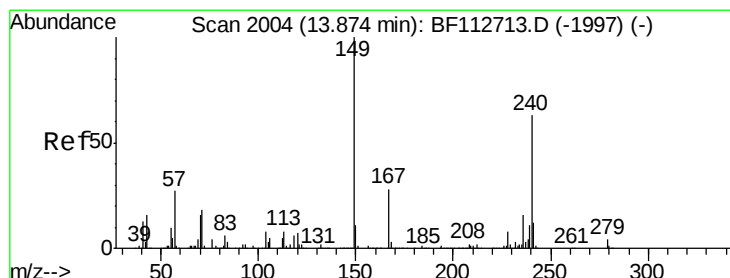
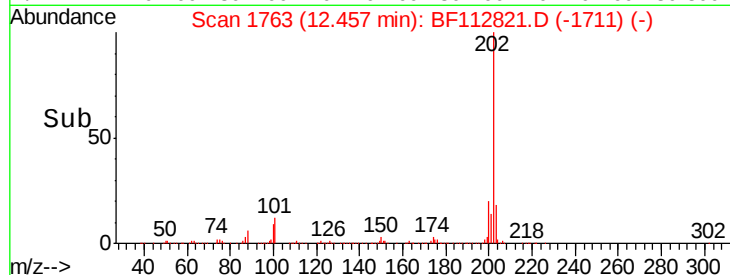
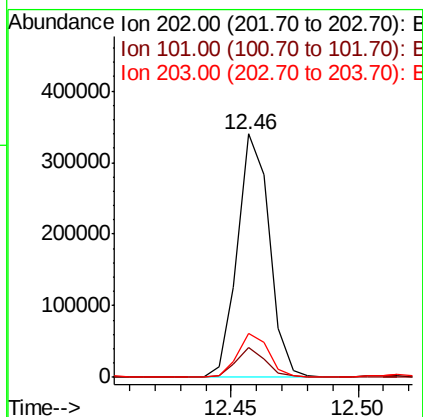
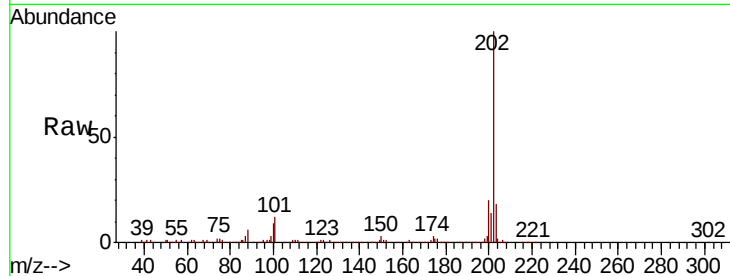
ClientSampled :

S10

Tot Ion:	202	Resp:	297740
Ion Ratio	Lower	Upper	
202	100		
101	12.2	0.0	33.8
203	17.9	0.0	38.4

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

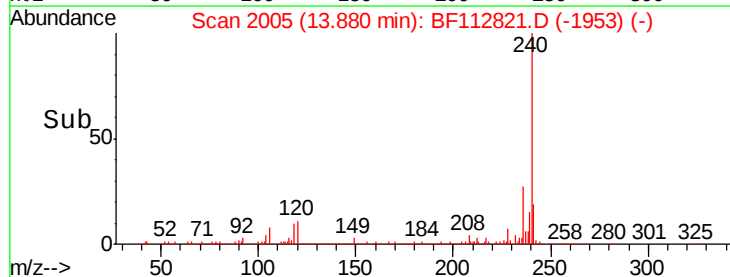
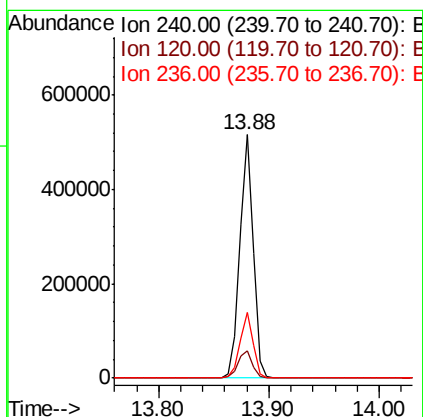
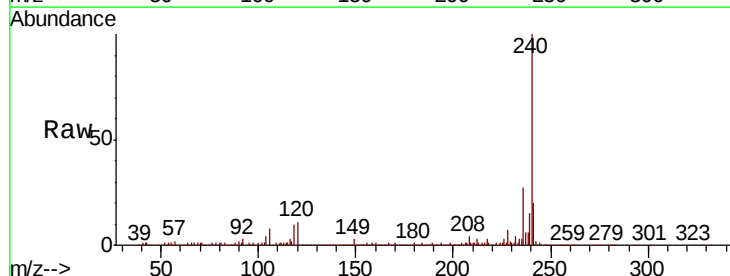
RT: 13.88 min Scan# 2005

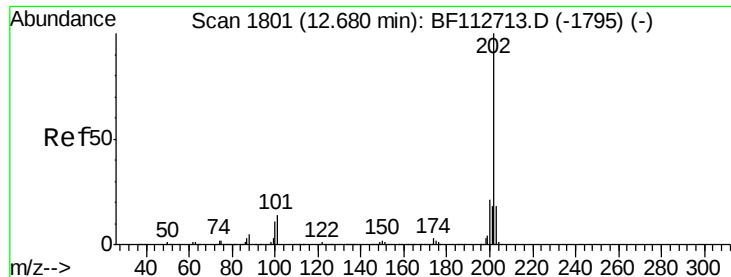
Delta R.T. 0.01 min

Lab File: BF112821.D

Acq: 4 Mar 2019 13:50

Tgt Ion:	240	Resp:	444475
Ion Ratio	Lower	Upper	
240	100		
120	11.1	8.9	13.3
236	26.8	20.7	31.1





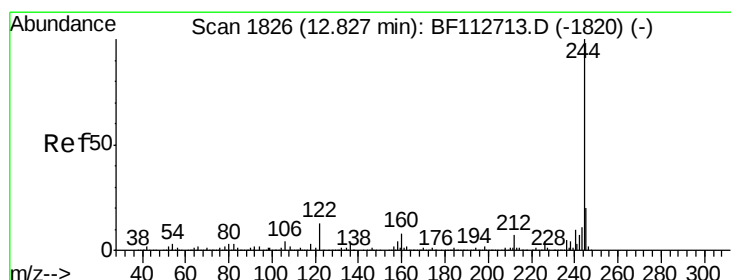
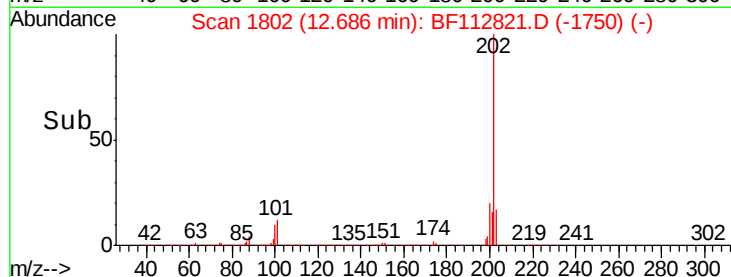
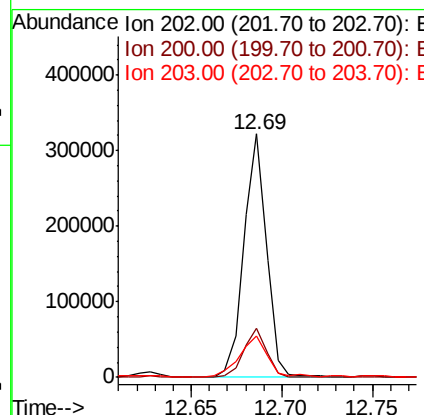
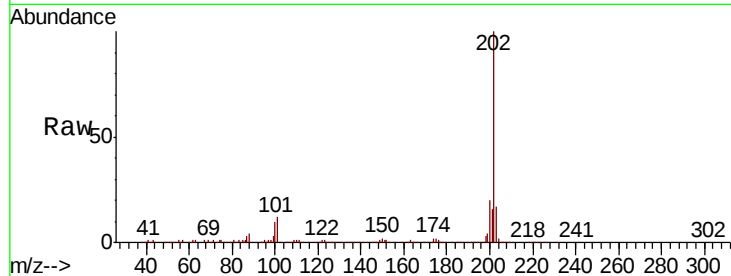
#78
Pvrene
Concen: 7.402 ng
RT: 12.69 min Scan# 1802
Delta R.T. 0.01 min
Lab File: BF112821.D
Acq: 4 Mar 2019 13:50

Instrument :
BNA_F
ClientSampleId :
S10

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.0	25.4
203	17.0	14.4	21.6

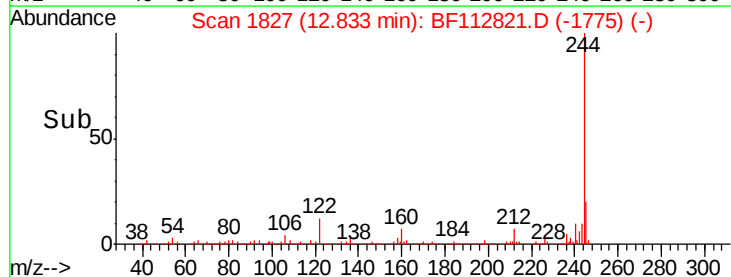
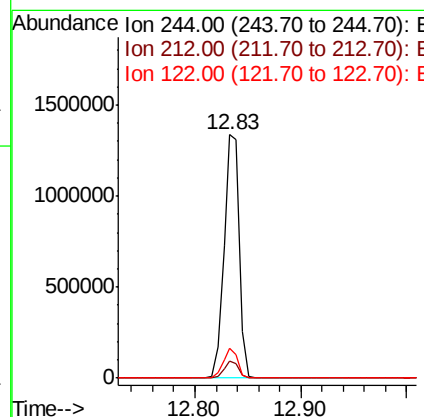
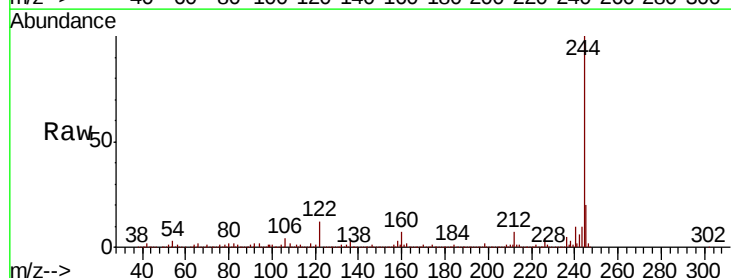
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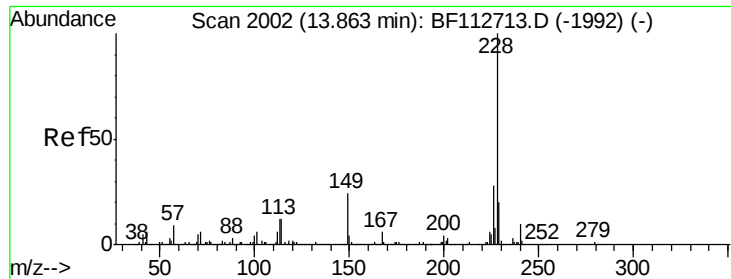
Sohil
3/5/2019 11:00:38 AM



#79
Terphenyl-d14
Concen: 59.193 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.01 min
Lab File: BF112821.D
Acq: 4 Mar 2019 13:50

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	12.4	10.5	15.7





#81

Benzo(a)anthracene

Concen: 5.391 ng

RT: 13.87 min Scan# 2003

Delta R.T. 0.01 min

Lab File: BF112821.D

Acq: 4 Mar 2019 13:50

Instrument :

BNA_F

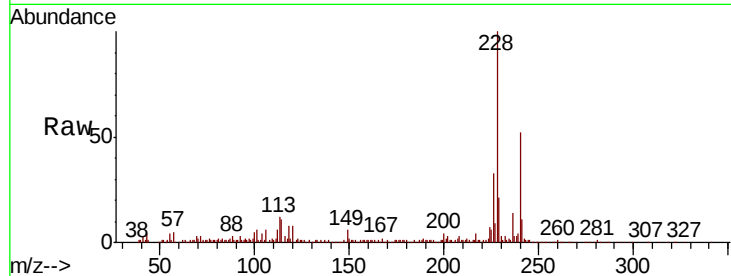
ClientSampled :

S10

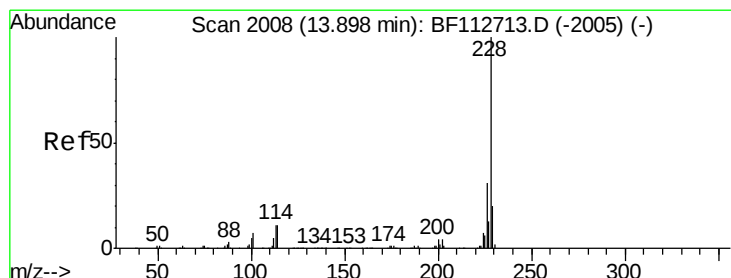
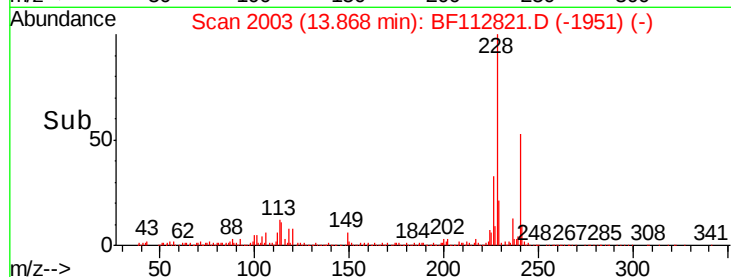
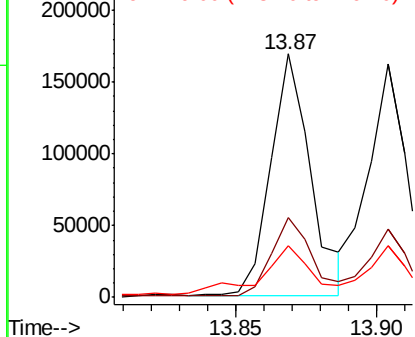
Tot Ion:	228	Resp:	166082
Ion Ratio	Lower	Upper	
228	100		
226	33.0	22.2	33.4
229	21.4	16.0	24.0

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



#83

Chrysene

Concen: 4.987 ng

RT: 13.90 min Scan# 2009

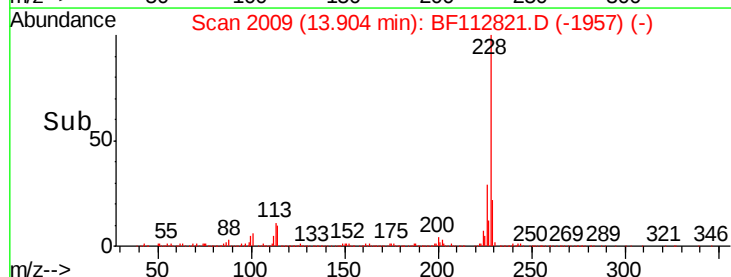
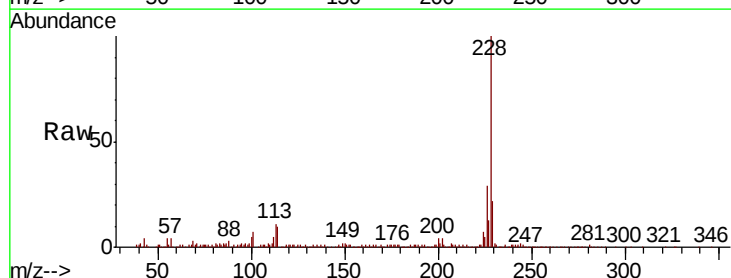
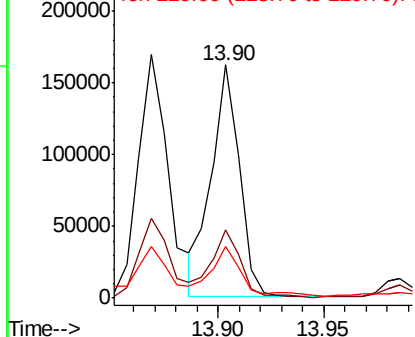
Delta R.T. 0.01 min

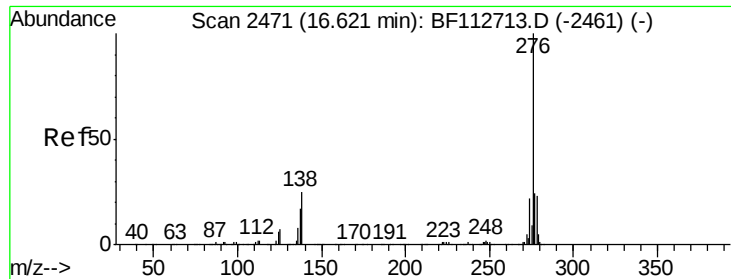
Lab File: BF112821.D

Acq: 4 Mar 2019 13:50

Tgt Ion:	228	Resp:	150475
Ion Ratio	Lower	Upper	
228	100		
226	29.4	24.9	37.3
229	22.0	16.3	24.5

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





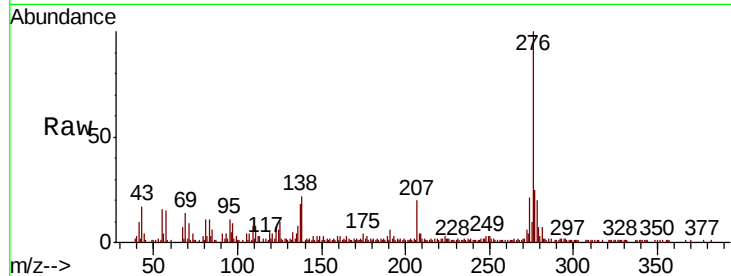
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.962 ng
 RT: 16.65 min Scan# 2476
 Delta R.T. 0.03 min
 Lab File: BF112821.D
 Acq: 4 Mar 2019 13:50

Instrument :
 BNA_F
 ClientSampleId :
 S10

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.1	23.2	34.8#
277	24.0	19.9	29.9

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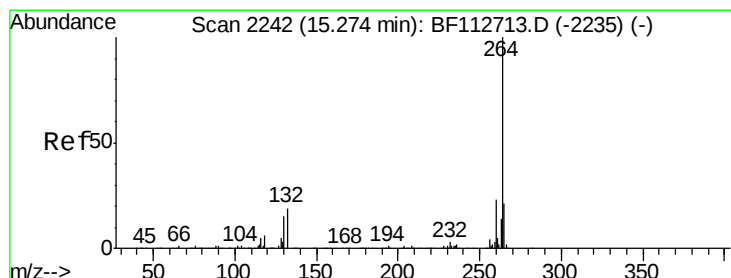
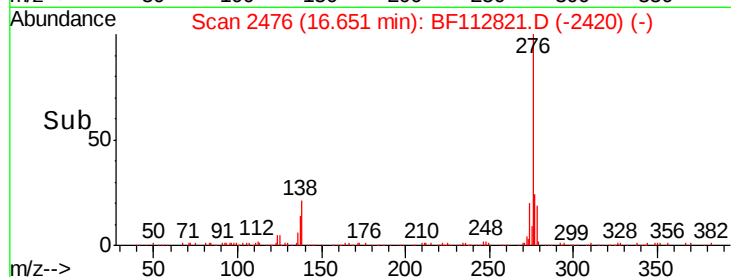
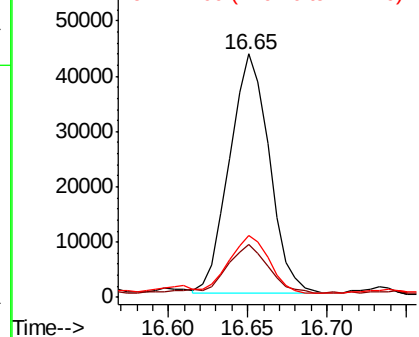


Abundance

Ion 276.00 (275.70 to 276.70): E

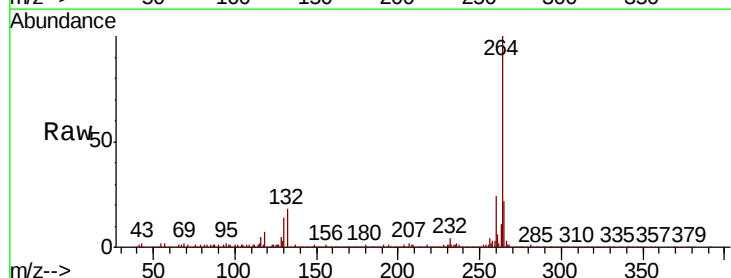
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.29 min Scan# 2245
 Delta R.T. 0.02 min
 Lab File: BF112821.D
 Acq: 4 Mar 2019 13:50

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	22.3	17.2	25.8

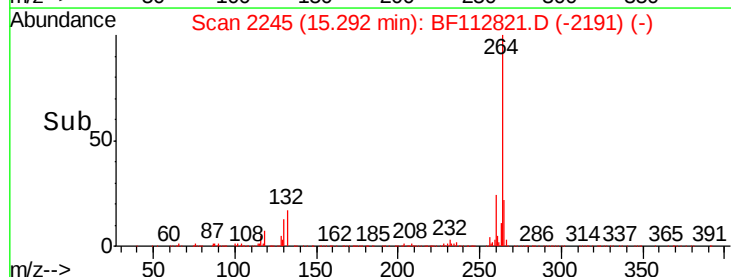
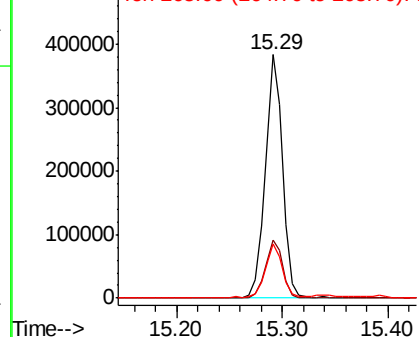


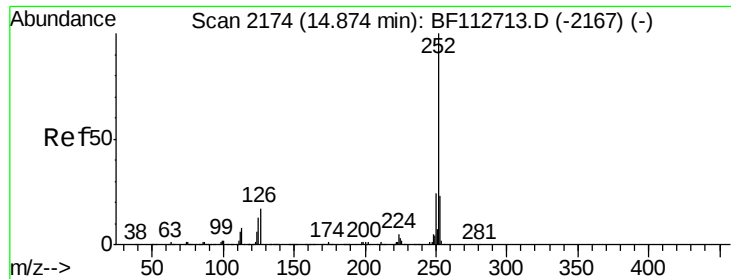
Abundance

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





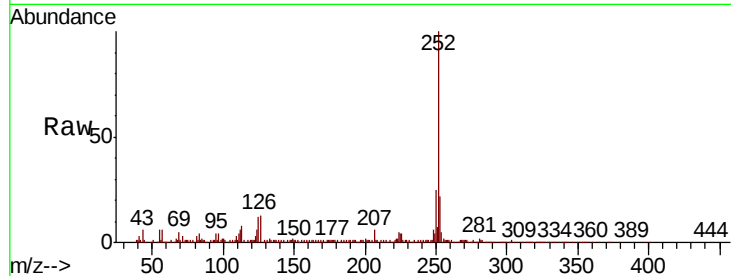
#88
Benzo(b)fluoranthene
Concen: 7.551 ng m
RT: 14.89 min Scan# 2177
Delta R.T. 0.02 min
Lab File: BF112821.D
Acq: 4 Mar 2019 13:50

Instrument :
BNA_F
ClientSampleId :
S10

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.0	27.0
125	11.7	10.2	15.2

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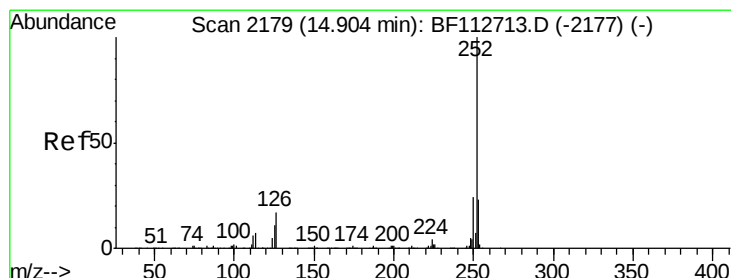
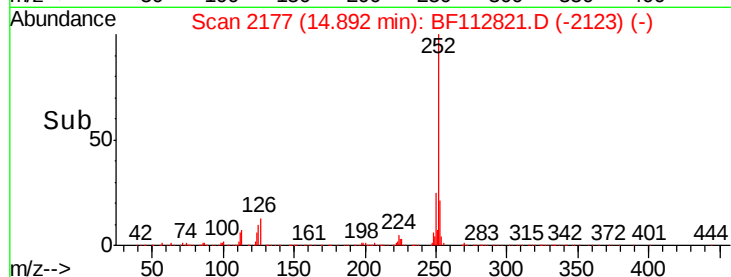
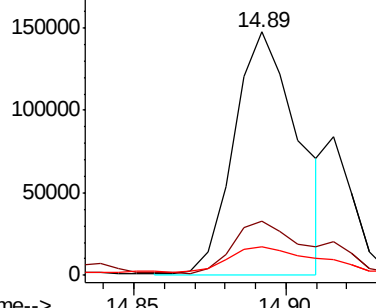


Abundance

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



#89
Benzo(k)fluoranthene
Concen: 2.121 ng m
RT: 14.92 min Scan# 2181
Delta R.T. 0.01 min
Lab File: BF112821.D
Acq: 4 Mar 2019 13:50

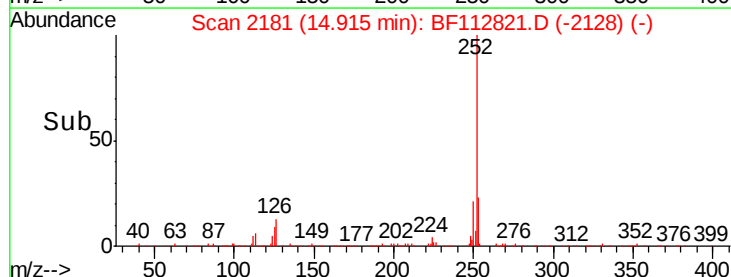
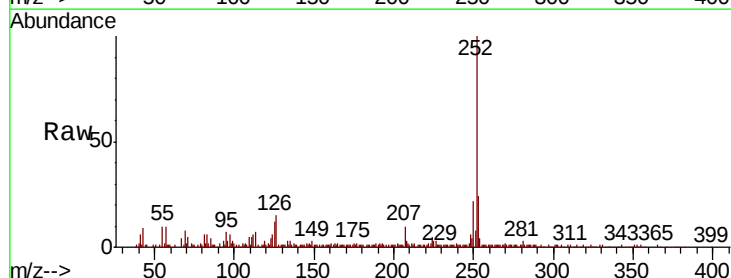
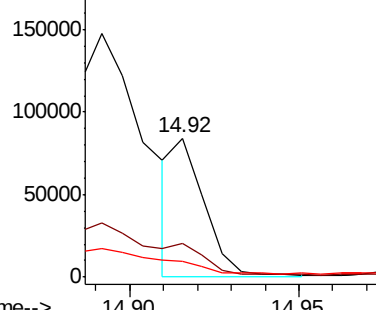
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.2	27.2
125	11.8	9.8	14.6

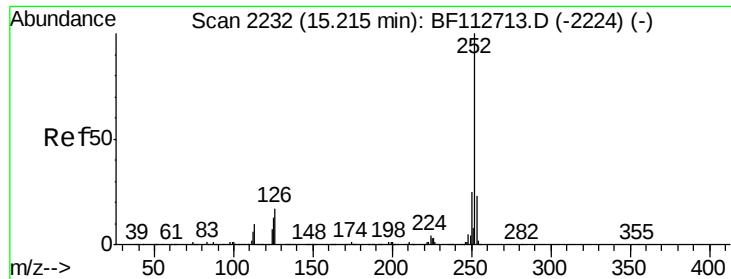
Abundance

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





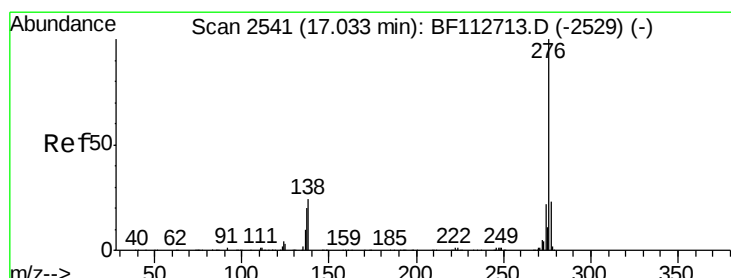
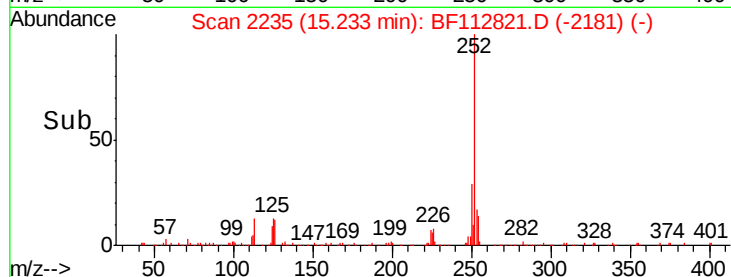
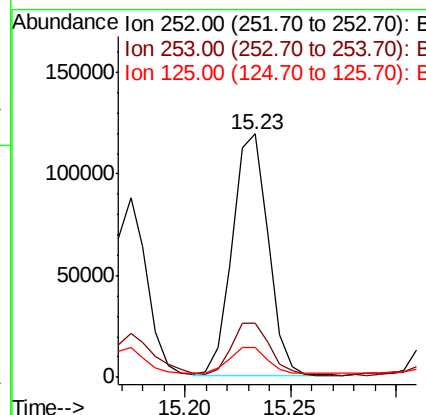
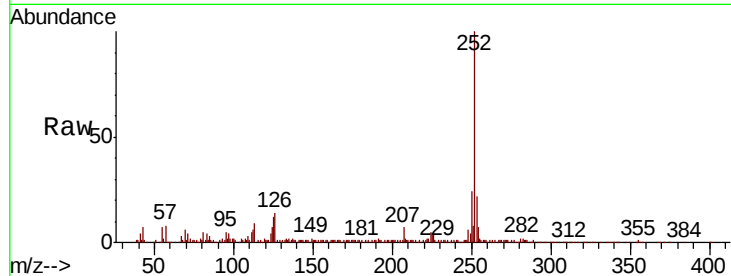
#90
Benzo(a)pyrene
Concen: 5.464 ng
RT: 15.23 min Scan# 2235
Delta R.T. 0.02 min
Lab File: BF112821.D
Acq: 4 Mar 2019 13:50

Instrument :
BNA_F
ClientSampleId :
S10

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.0	27.0
125	12.3	10.7	16.1

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#92
Benzo(g,h,i)perylene
Concen: 3.106 ng
RT: 17.06 min Scan# 2546
Delta R.T. 0.03 min
Lab File: BF112821.D
Acq: 4 Mar 2019 13:50

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.6	27.8
138	21.9	19.4	29.0

