

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
 Data File : BF112990.D
 Acq On : 12 Mar 2019 8:01
 Operator : JU/SJ
 Sample : K1817-08
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW007-030719

Manual Integrations
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Sohil
 3/12/2019 4:29:17 PM

Quant Time: Mar 12 09:40:04 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	6.73	152	168318	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	632800	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	316106	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	666790	20.00	ng	0.00
76) Chrysene-d12	13.86	240	502718	20.00	ng	-0.01
87) Perylene-d12	15.27	264	412232	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	914104	84.48	ng	0.00
7) Phenol-d6	6.37	99	1187323	87.35	ng	0.00
23) Nitrobenzene-d5	7.29	82	702595	66.44	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	377295	112.43	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	1230717	59.62	ng	-0.01
79) Terphenyl-d14	12.82	244	1294045	49.90	ng	0.00
Target Compounds						
10) Phenol	6.38	94	38384	2.420	ng	89
50) Dimethylphthalate	9.48	163	127412	5.466	ng	99
71) Phenanthrene	11.26	178	314080	9.467	ng	97
75) Fluoranthene	12.45	202	382077	10.750	ng	96
78) Pyrene	12.67	202	318694	7.520	ng	97
81) Benzo(a)anthracene	13.85	228	166698	4.784	ng	99
83) Chrysene	13.89	228	155368	4.552	ng	96
88) Benzo(b)fluoranthene	14.87	252	142266m	5.335	ng	
89) Benzo(k)fluoranthene	14.89	252	57341m	2.374	ng	
90) Benzo(a)pyrene	15.21	252	97562	4.137	ng	98

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

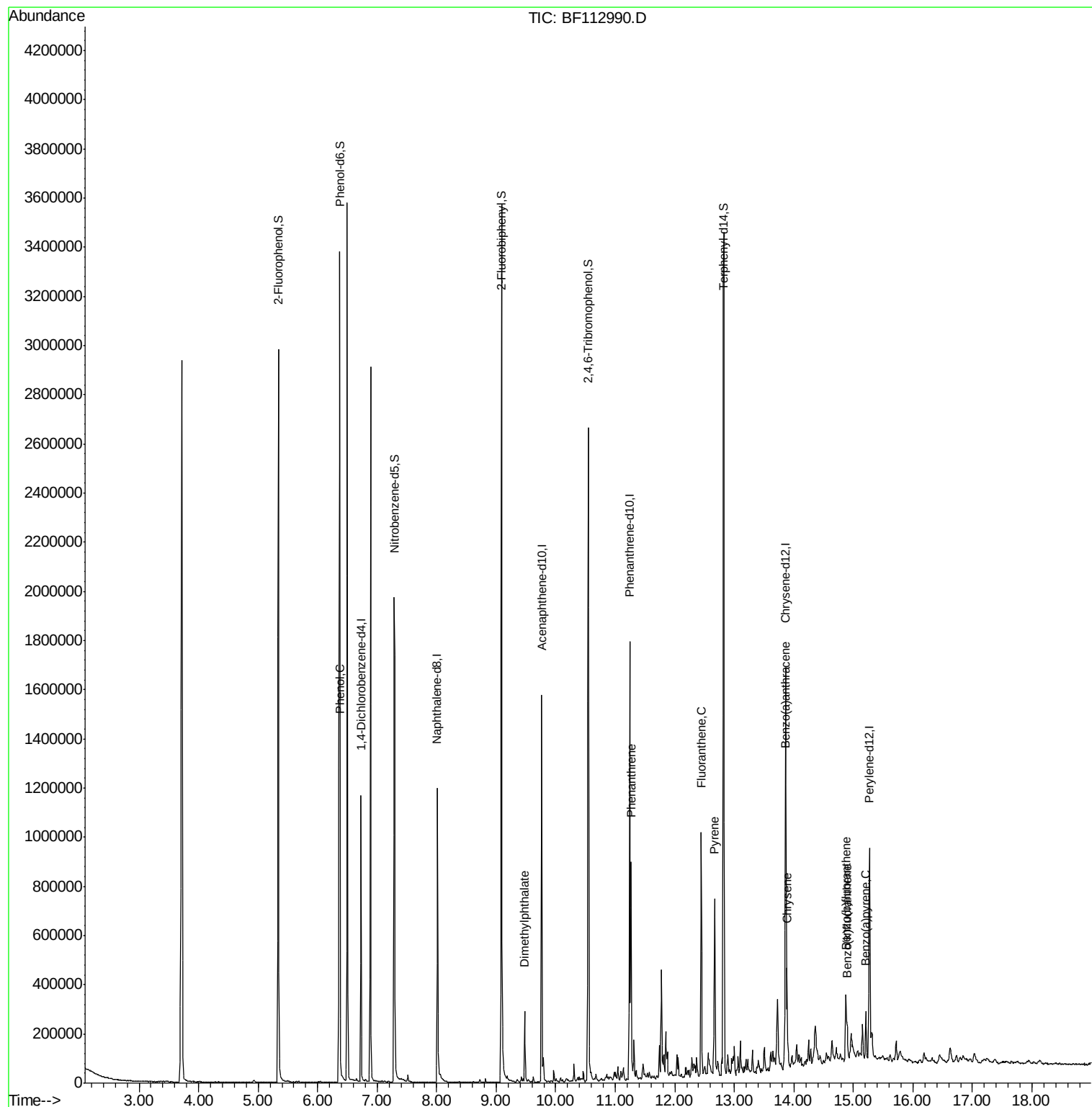
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031119\
Data File : BF112990.D
Acq On : 12 Mar 2019 8:01
Operator : JU/SJ
Sample : K1817-08
Misc :
ALS Vial : 36 Sample Multiplier: 1

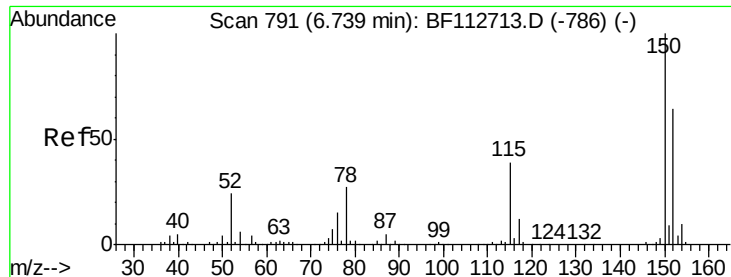
Instrument :
BNA_F
ClientSampleId :
EXT-027-SW007-030719

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#1

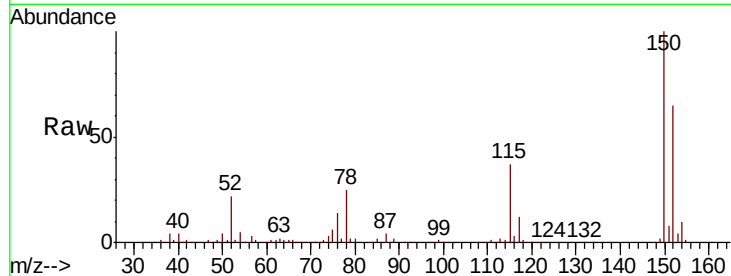
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BF112990.D
 Acq: 12 Mar 2019 8:01

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW007-030719

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.2	186.2
115	58.1	48.2	72.4

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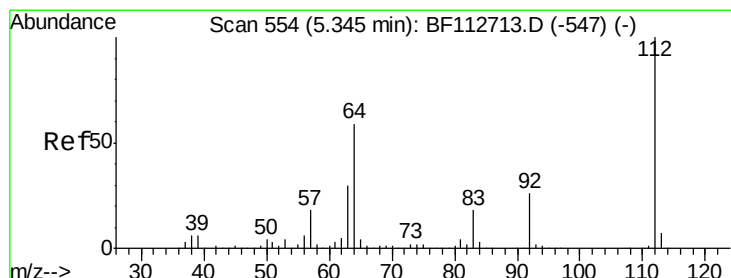
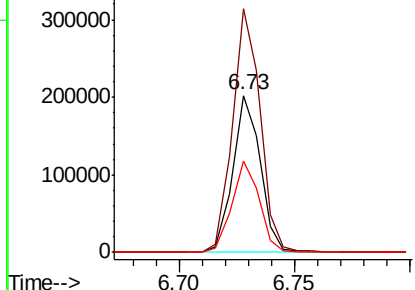
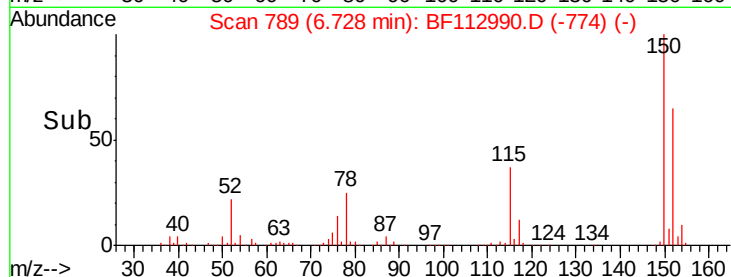


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

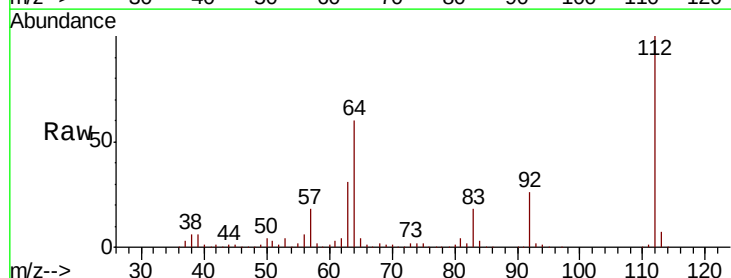
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 84.479 ng
 RT: 5.34 min Scan# 553
 Delta R.T. -0.01 min
 Lab File: BF112990.D
 Acq: 12 Mar 2019 8:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.0	47.6	71.4
63	30.7	24.4	36.6

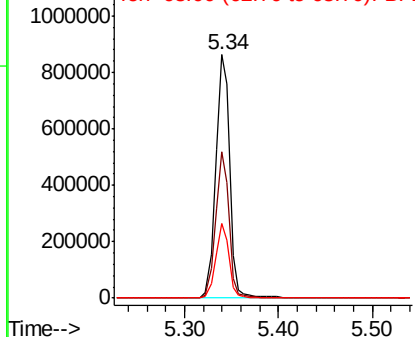
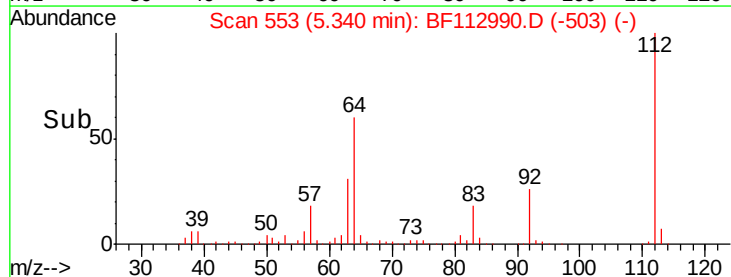


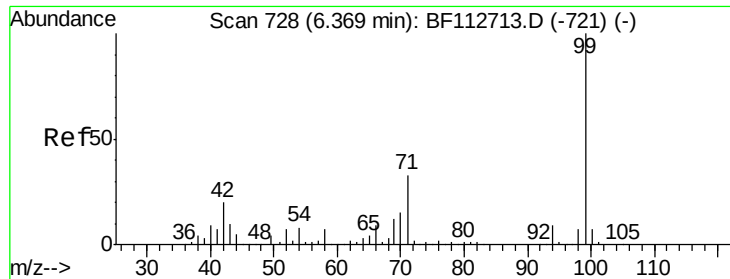
Abundance

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: 87.352 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF112990.D

Acq: 12 Mar 2019 8:01

Instrument :

BNA_F

ClientSampleId :

EXT-027-SW007-030719

Tot Ion: 99 Resp: 1187323

Ion Ratio Lower Upper

99 100

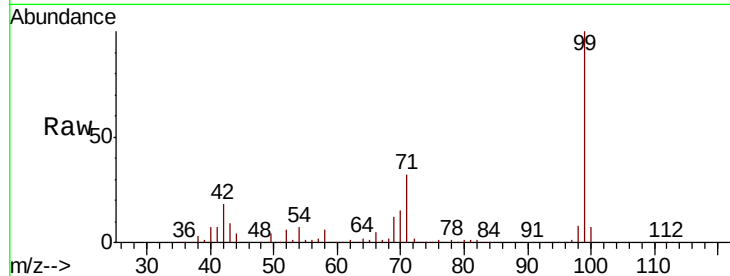
42 18.1 16.3 24.5

71 31.9 26.2 39.4

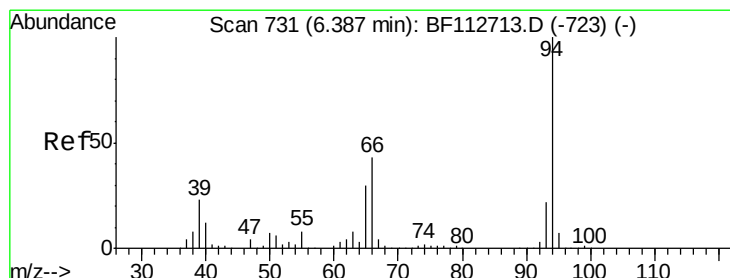
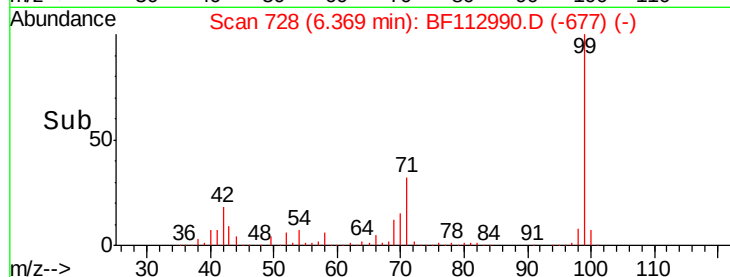
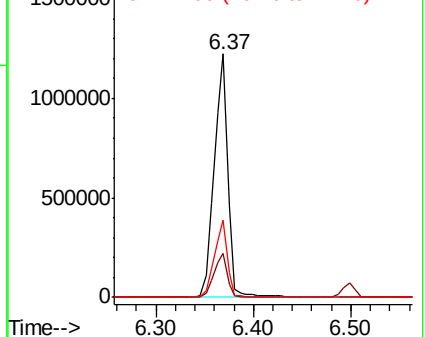
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.420 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF112990.D

Acq: 12 Mar 2019 8:01

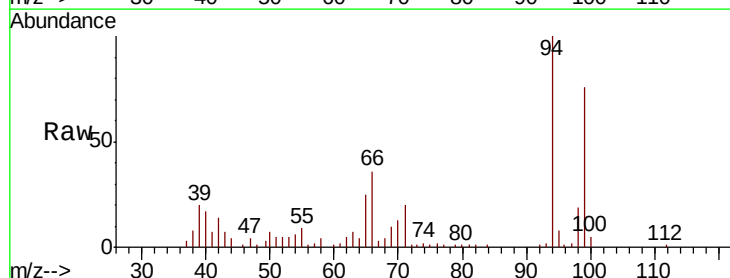
Tgt Ion: 94 Resp: 38384

Ion Ratio Lower Upper

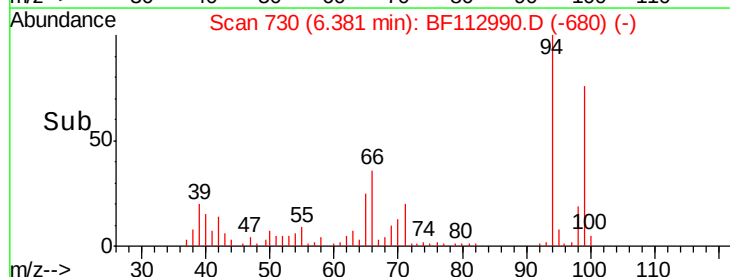
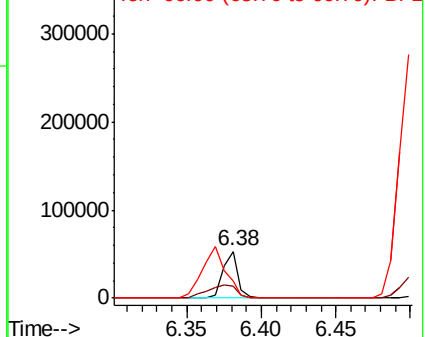
94 100

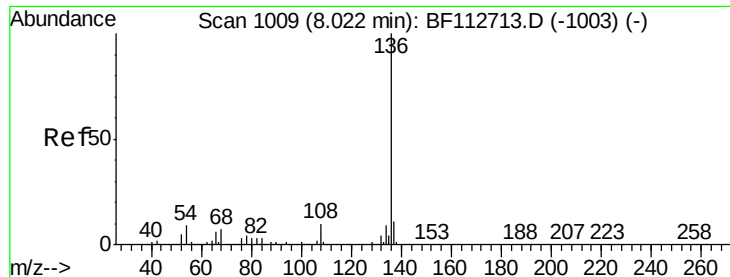
65 24.6 10.5 50.5

66 35.5 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





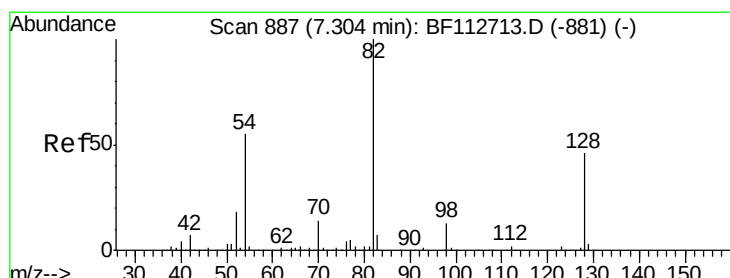
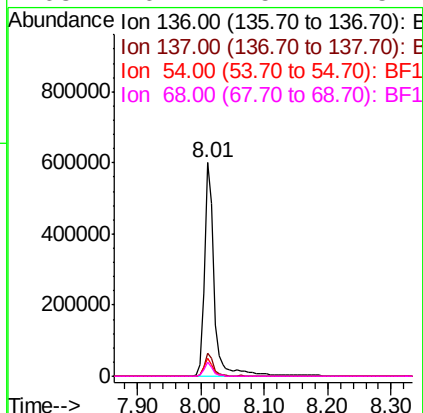
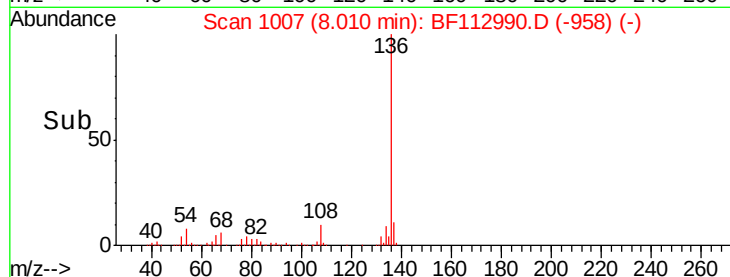
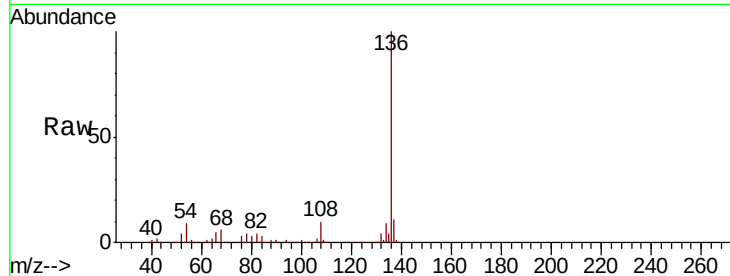
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF112990.D
Acq: 12 Mar 2019 8:01

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW007-030719

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.6	7.3	10.9
68	6.4	5.4	8.2

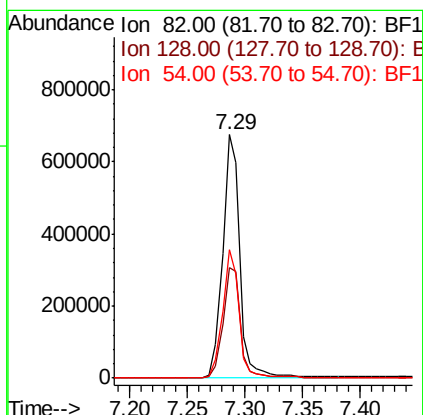
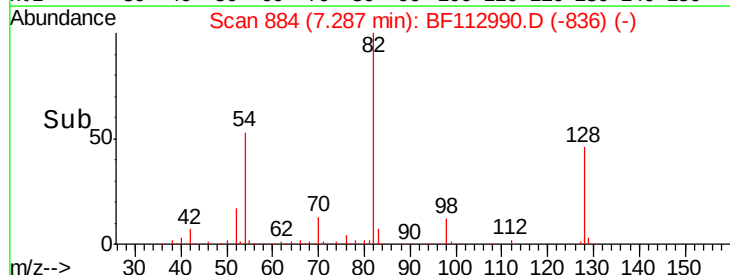
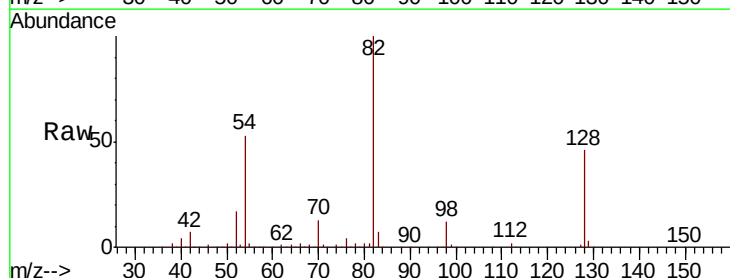
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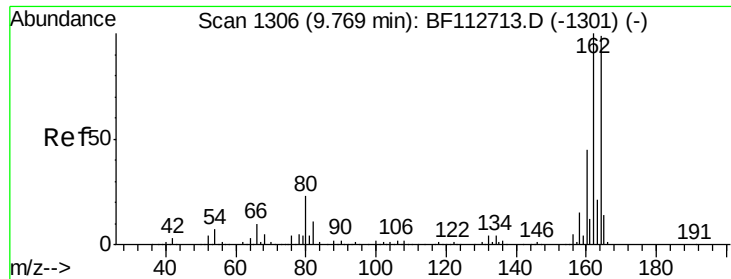
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#23
Nitrobenzene-d5
Concen: 66.438 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF112990.D
Acq: 12 Mar 2019 8:01

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	45.6	36.3	54.5
54	52.7	43.7	65.5





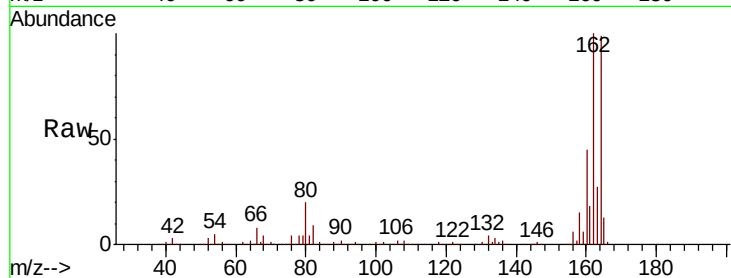
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF112990.D
Acq: 12 Mar 2019 8:01

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW007-030719

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.2	80.6	120.8	
160	45.1	36.0	54.0	

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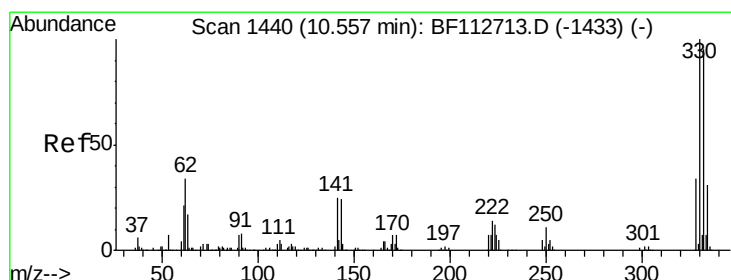
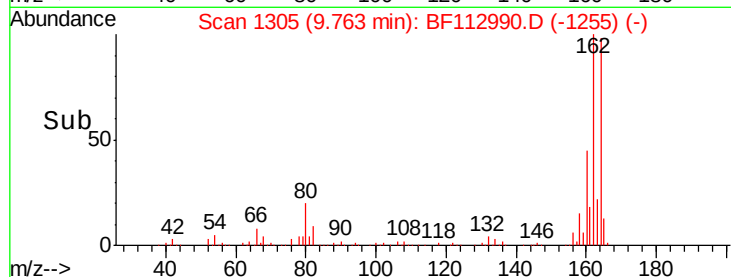
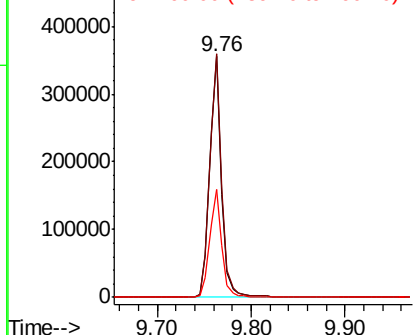


Abundance

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: 112.429 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF112990.D
Acq: 12 Mar 2019 8:01

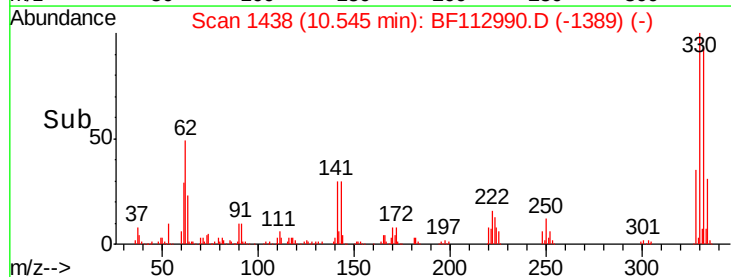
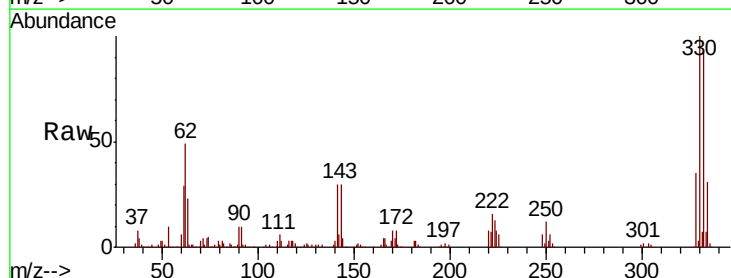
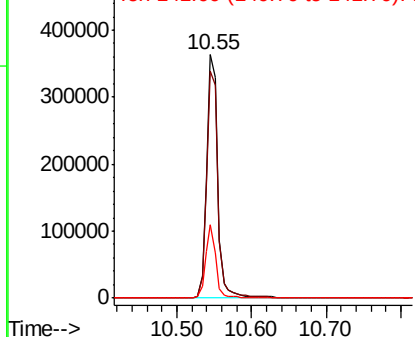
Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.3	76.2	114.4	
141	28.0	27.0	40.6	

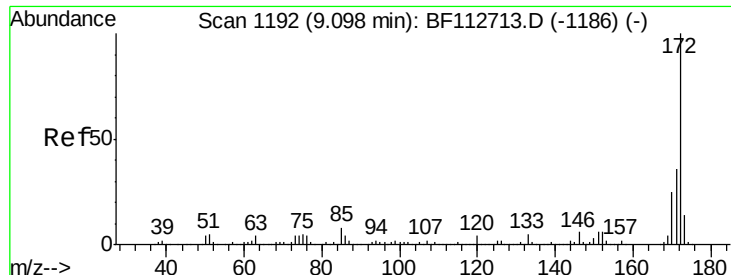
Abundance

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





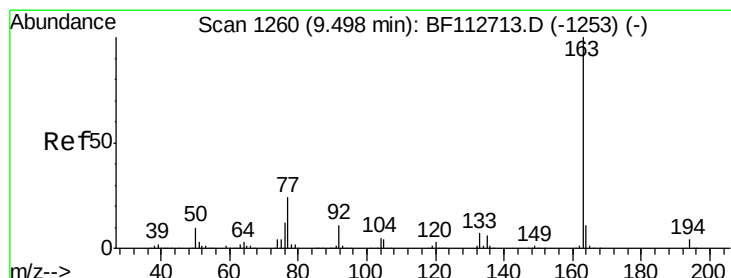
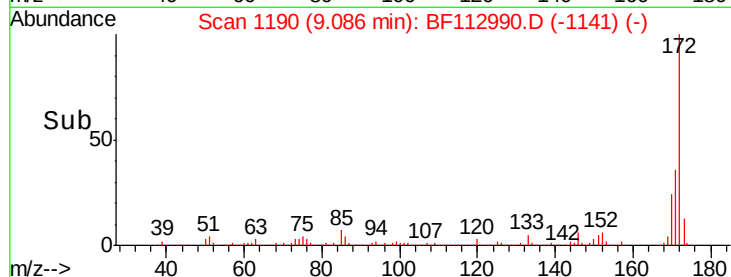
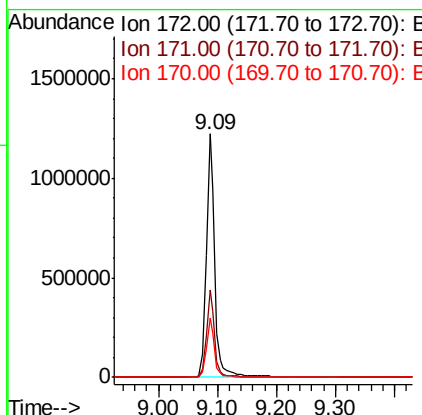
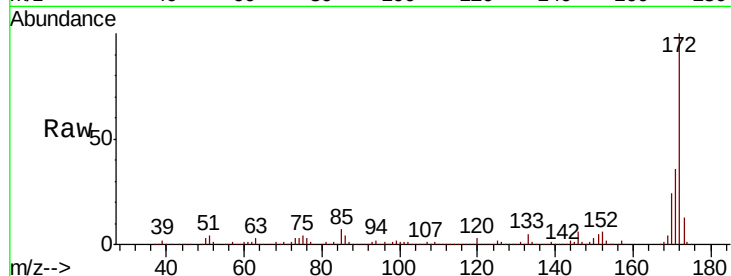
#45
2-Fluorobiphenyl
Concen: 59.618 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF112990.D
Acq: 12 Mar 2019 8:01

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW007-030719

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.0	43.4
170	24.4	20.0	30.0

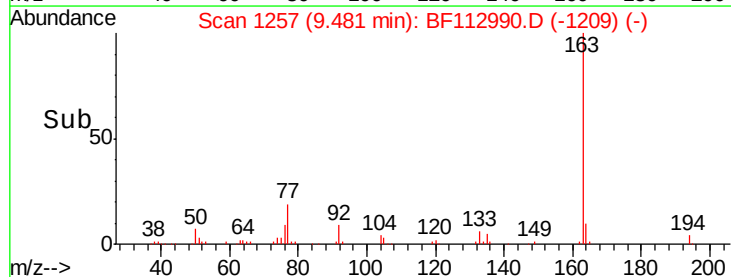
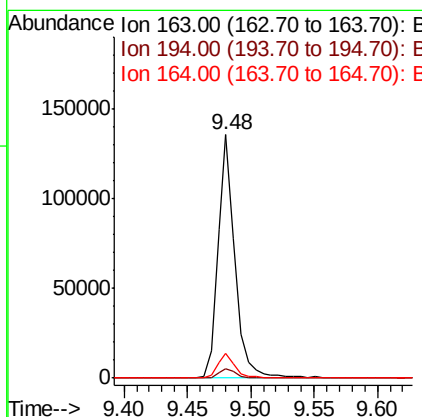
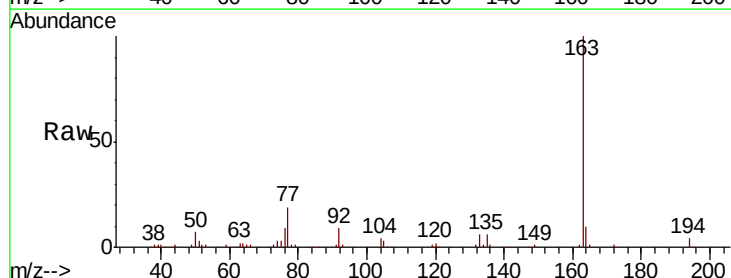
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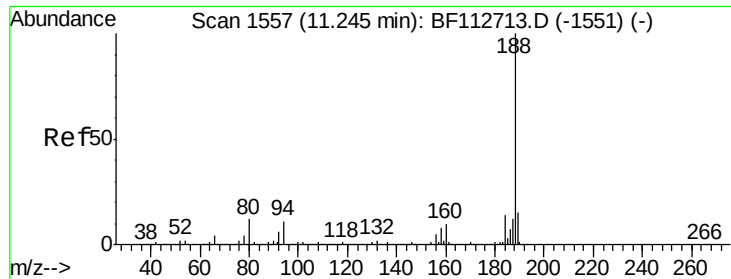
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#50
Dimethylphthalate
Concen: 5.466 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF112990.D
Acq: 12 Mar 2019 8:01

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





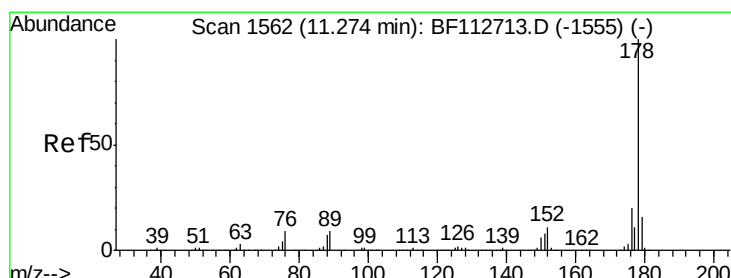
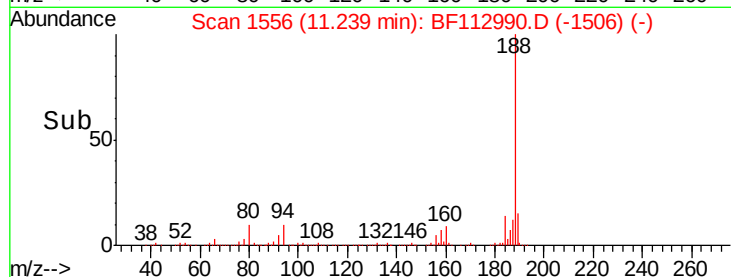
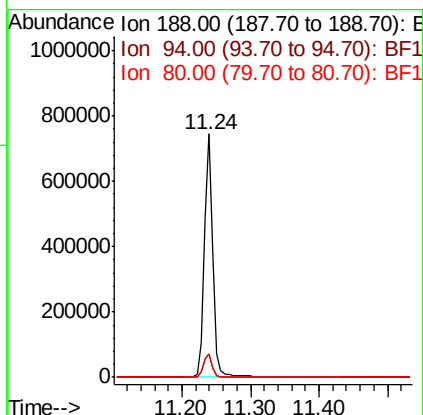
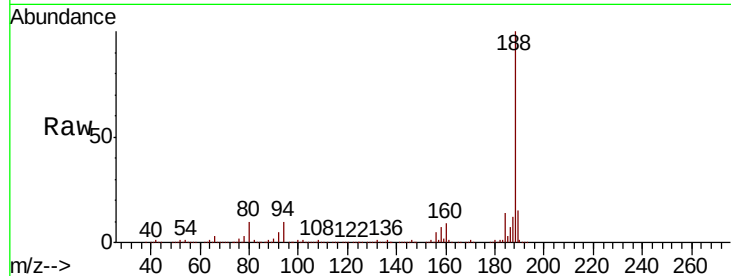
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF112990.D
Acq: 12 Mar 2019 8:01

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW007-030719

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.6	9.0	13.4
80	9.8	9.2	13.8

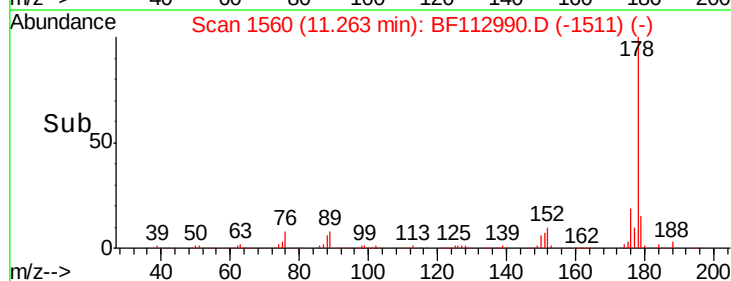
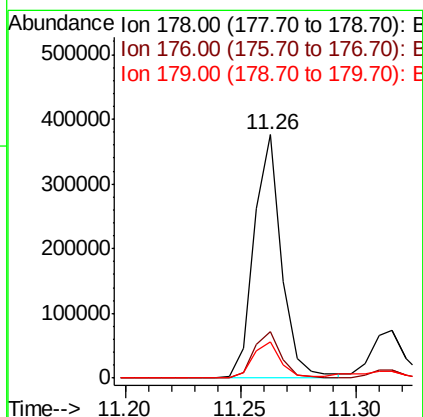
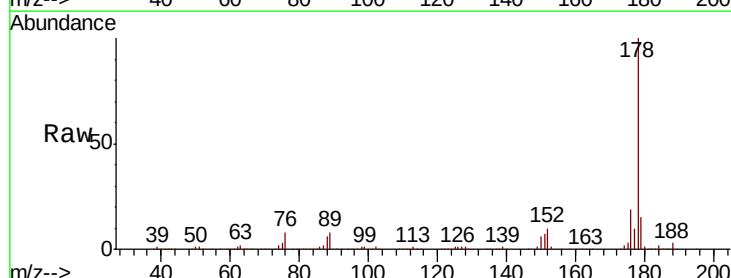
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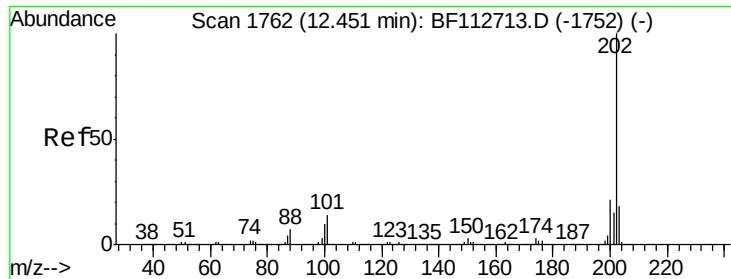
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#71
Phenanthrene
Concen: 9.467 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF112990.D
Acq: 12 Mar 2019 8:01

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.9	16.3	24.5
179	15.1	12.7	19.1





#75

Fluoranthene

Concen: 10.750 ng

RT: 12.45 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF112990.D

Acq: 12 Mar 2019 8:01

Instrument :

BNA_F

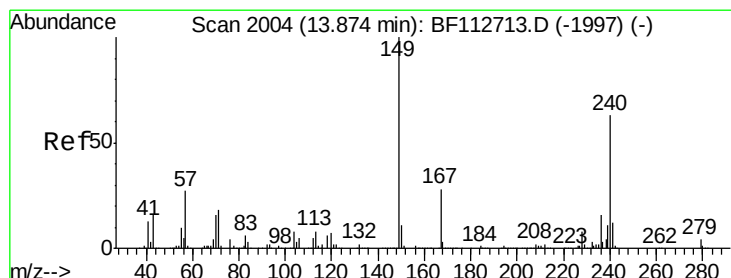
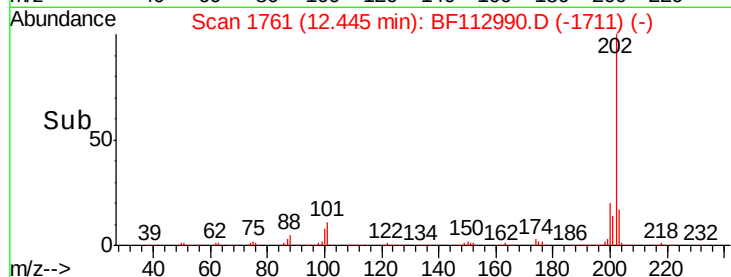
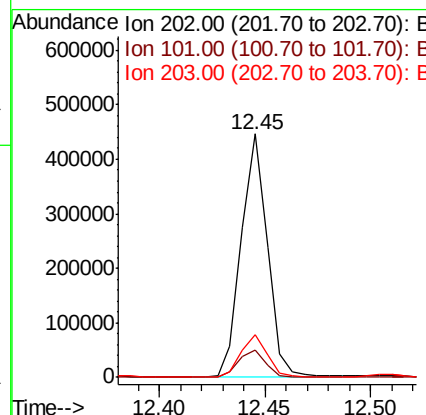
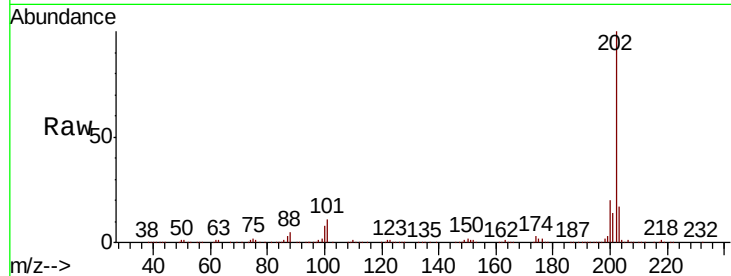
ClientSampleId :

EXT-027-SW007-030719

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.2	0.0	33.8
203	17.4	0.0	38.4

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

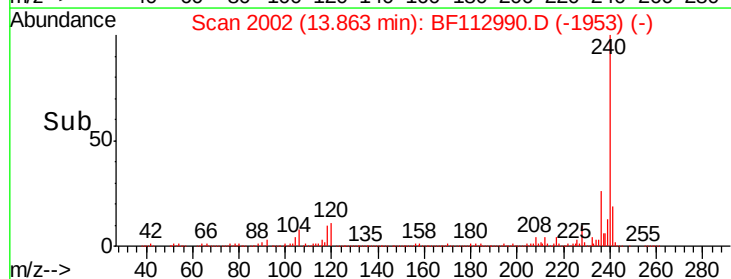
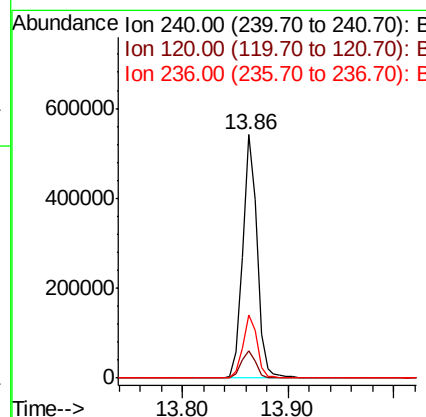
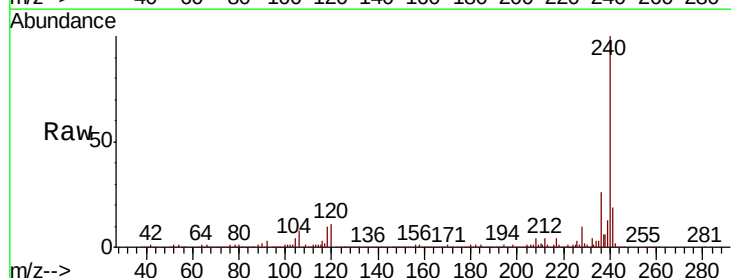
RT: 13.86 min Scan# 2002

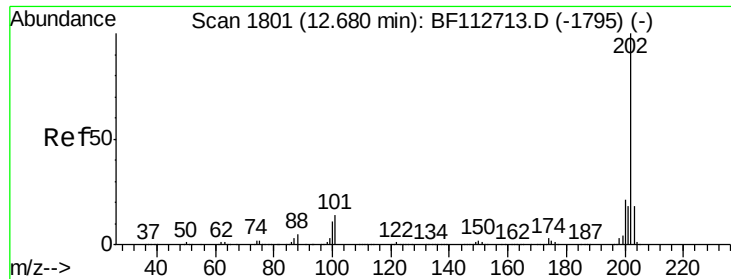
Delta R.T. -0.01 min

Lab File: BF112990.D

Acq: 12 Mar 2019 8:01

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.4	8.9	13.3
236	26.1	20.7	31.1





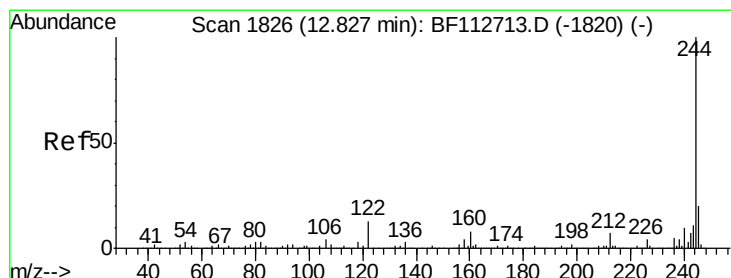
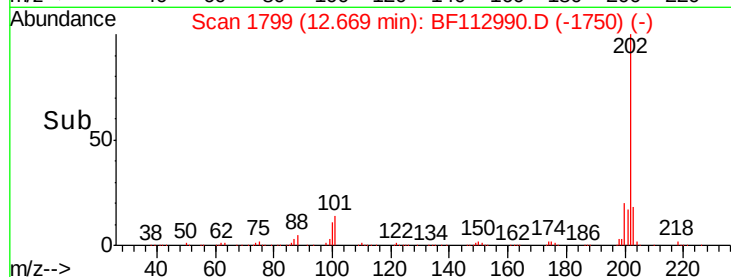
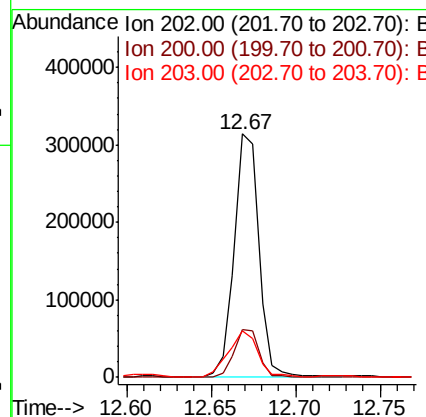
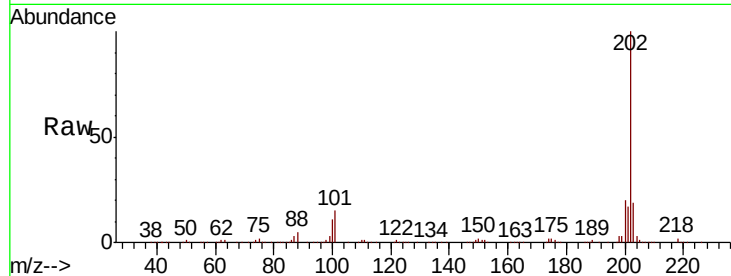
#78
Pvrene
Concen: 7.520 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF112990.D
Acq: 12 Mar 2019 8:01

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW007-030719

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.7	17.0	25.4
203	19.0	14.4	21.6

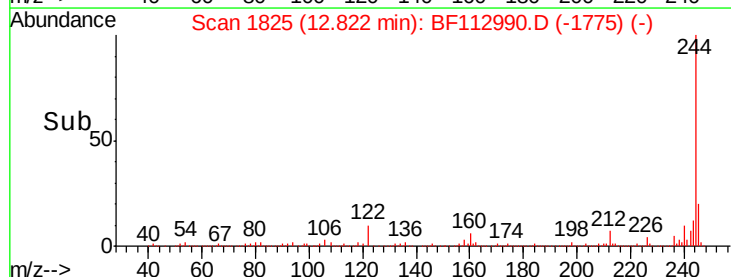
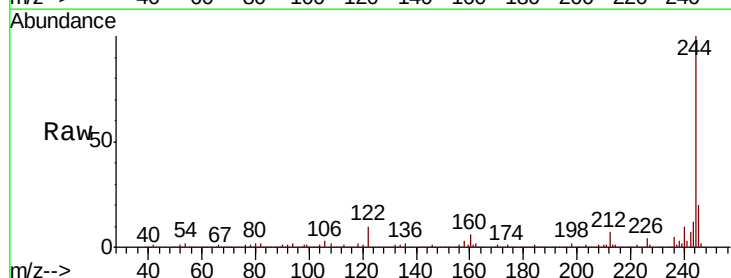
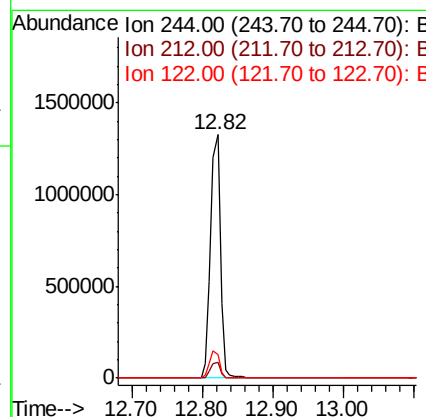
Manual Integrations
APPROVED

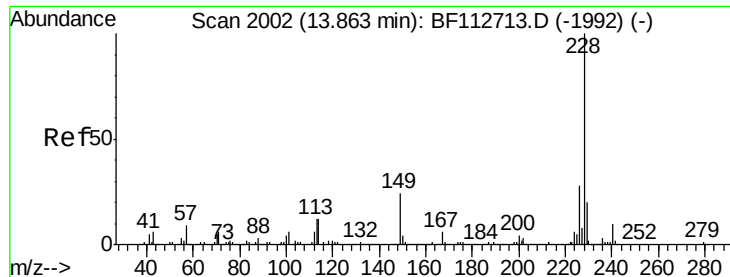
Sohil
3/12/2019 4:29:17 PM



#79
Terphenyl-d14
Concen: 49.899 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF112990.D
Acq: 12 Mar 2019 8:01

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.6	8.4
122	9.9	10.5	15.7#





#81

Benzo(a)anthracene

Concen: 4.784 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF112990.D

Acq: 12 Mar 2019 8:01

Instrument :

BNA_F

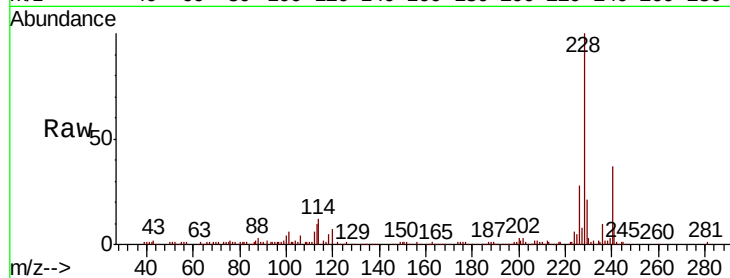
ClientSampleId :

EXT-027-SW007-030719

Tot Ion:	228	Resp:	166698
Ion Ratio		Lower	Upper
228	100		
226	28.0	22.2	33.4
229	20.7	16.0	24.0

Manual Integrations
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Sohil
3/12/2019 4:29:17 PM

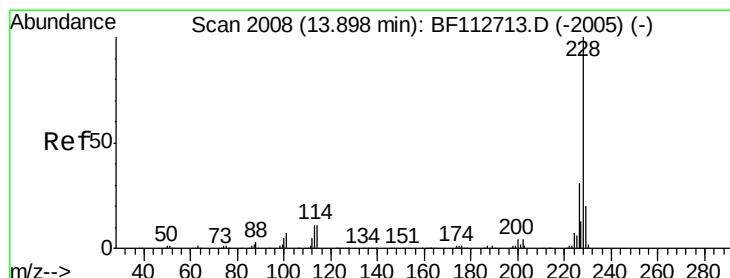
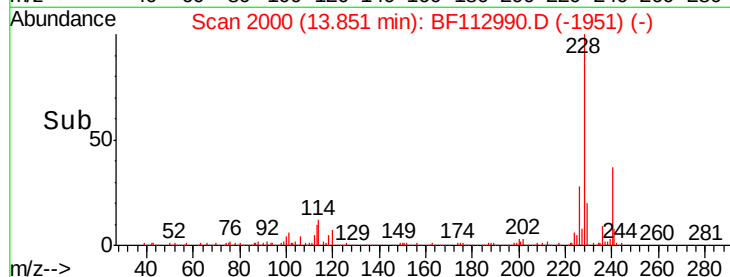
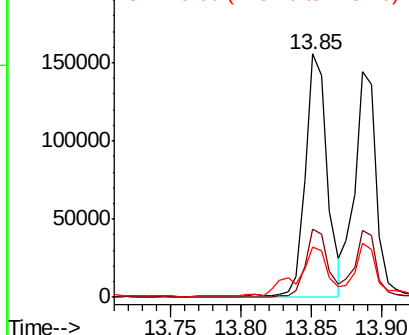


Abundance

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: 4.552 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF112990.D

Acq: 12 Mar 2019 8:01

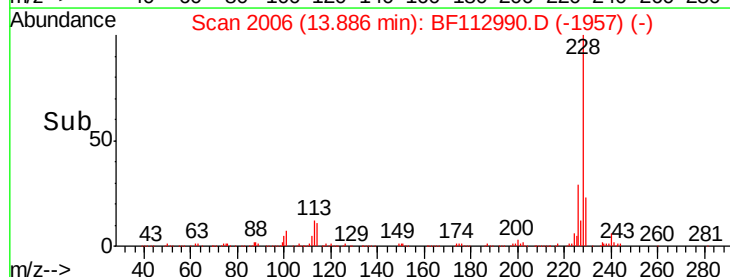
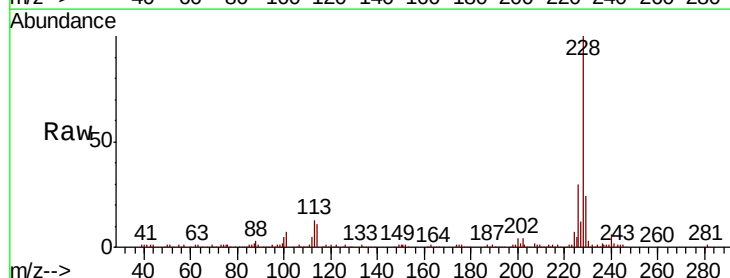
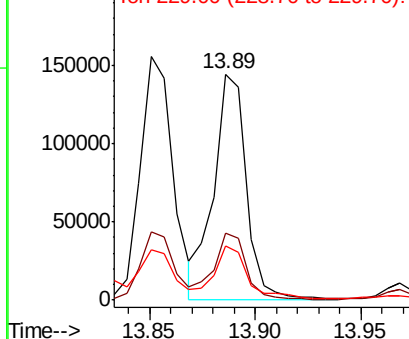
Tgt Ion:	228	Resp:	155368
Ion Ratio		Lower	Upper
228	100		
226	29.7	24.9	37.3
229	23.7	16.3	24.5

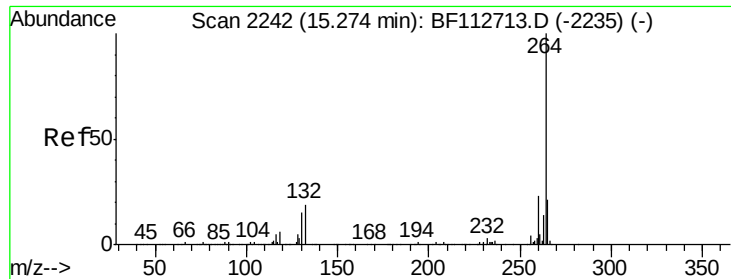
Abundance

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





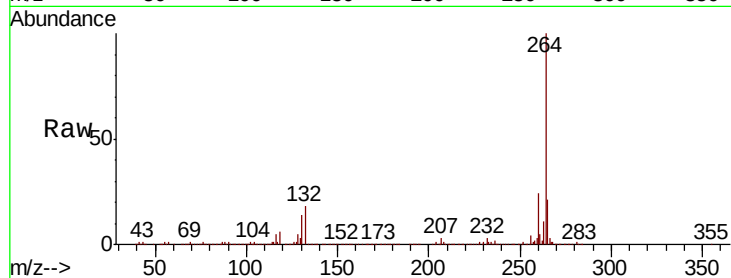
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF112990.D
Acq: 12 Mar 2019 8:01

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW007-030719

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	20.9	17.2	25.8

Manual Integrations
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3/12/2019 4:29:17 PM

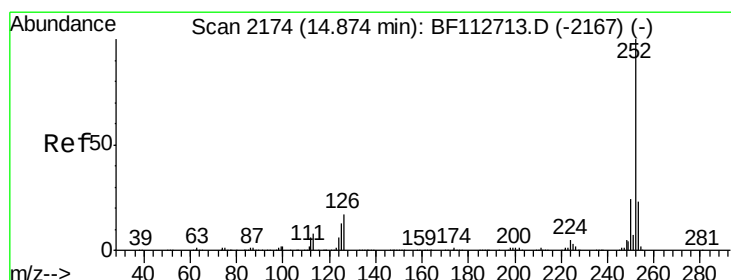
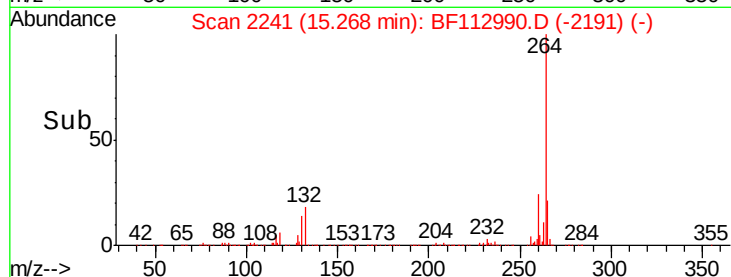
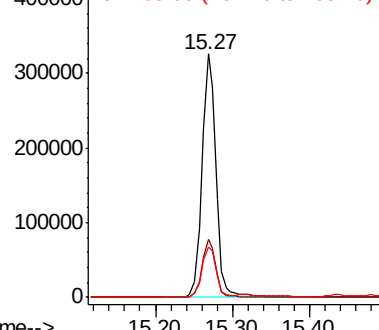


Abundance

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: 5.335 ng m
RT: 14.87 min Scan# 2174
Delta R.T. 0.00 min
Lab File: BF112990.D
Acq: 12 Mar 2019 8:01

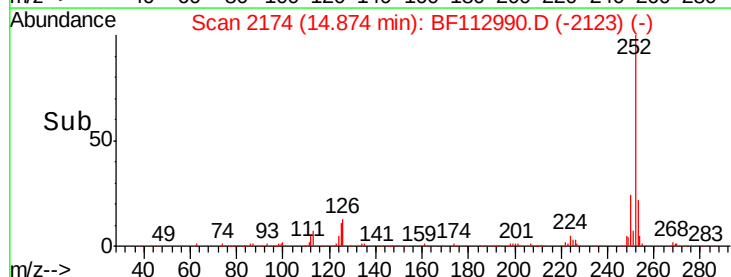
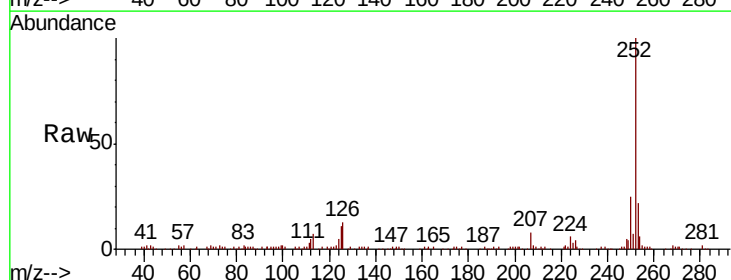
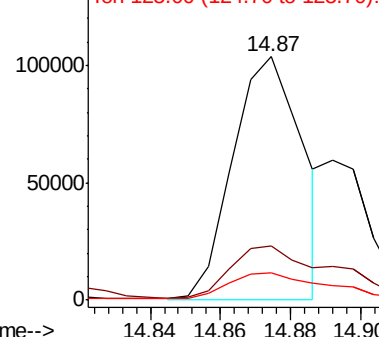
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.0	27.0
125	11.4	10.2	15.2

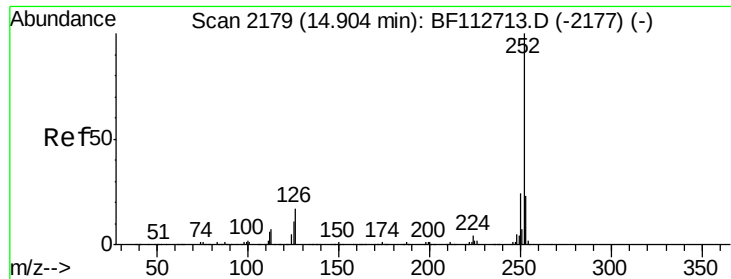
Abundance

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





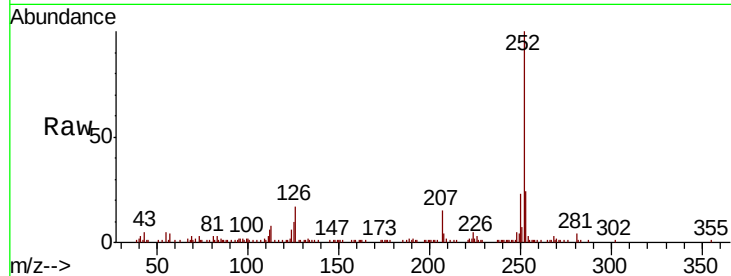
#89
Benzo(k)fluoranthene
Concen: 2.374 ng m
RT: 14.89 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BF112990.D
Acq: 12 Mar 2019 8:01

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW007-030719

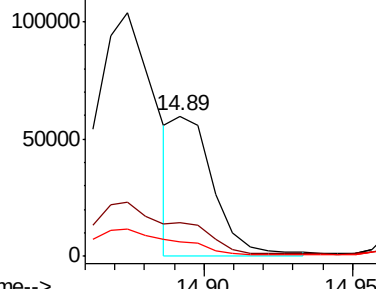
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.2	27.2
125	10.3	9.8	14.6

Manual Integrations
APPROVED

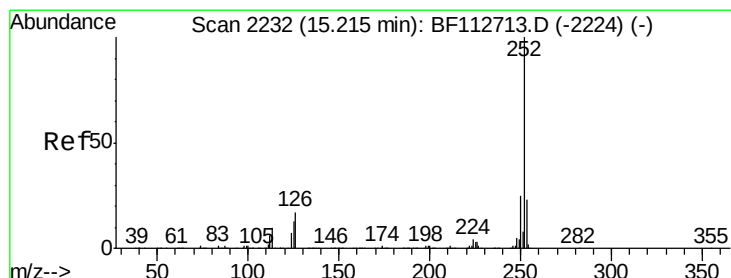
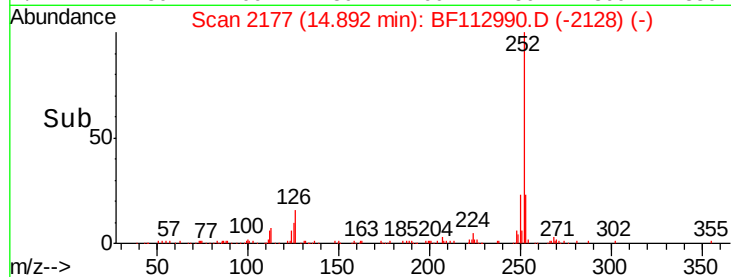
Sohil
3/12/2019 4:29:17 PM



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



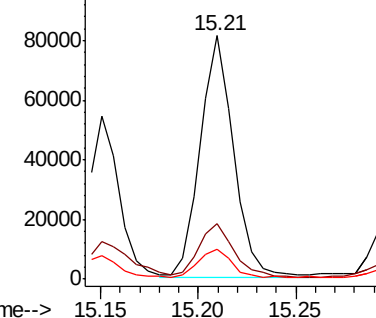
Time-->



#90
Benzo(a)pyrene
Concen: 4.137 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF112990.D
Acq: 12 Mar 2019 8:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	12.0	10.7	16.1

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



Time-->

