

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022719\
 Data File : BF112741.D
 Acq On : 28 Feb 2019 1:42
 Operator : JU/SJ
 Sample : K1595-05
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-E-WALL-GRADE-BEAM

Manual Integrations
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 2/28/2019 12:47:31 PM

Quant Time: Feb 28 04:23:42 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 27 16:08:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	200595	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	734848	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	312924	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	603150	20.00	ng	0.00
76) Chrysene-d12	13.87	240	490122	20.00	ng	0.00
87) Perylene-d12	15.28	264	358744	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	1116368	86.57	ng	0.00
7) Phenol-d6	6.37	99	1420691	87.70	ng	0.00
23) Nitrobenzene-d5	7.30	82	825639	67.23	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	320371	96.44	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1265557	66.54	ng	0.00
79) Terphenyl-d14	12.83	244	1245606	49.27	ng	0.00
Target Compounds						
10) Phenol	6.38	94	54028	2.858	ng	85
50) Dimethylphthalate	9.49	163	114991	4.984	ng	100
71) Phenanthrene	11.27	178	604971	20.160	ng	98
72) Anthracene	11.32	178	131491	4.186	ng	99
73) Carbazole	11.47	167	65154	2.126	ng	98
75) Fluoranthene	12.46	202	781173	24.297	ng	97
78) Pyrene	12.68	202	695377	16.830	ng	99
80) Butylbenzylphthalate	13.30	149	125532	6.883	ng	100
81) Benzo(a)anthracene	13.86	228	341159	10.043	ng	99
83) Chrysene	13.90	228	302800	9.100	ng	96
86) Indeno(1,2,3-cd)pyrene	16.63	276	134996m	4.759	ng	
88) Benzo(b)fluoranthene	14.88	252	321385m	13.850	ng	
89) Benzo(k)fluoranthene	14.90	252	102287m	4.866	ng	
90) Benzo(a)pyrene	15.22	252	213266	10.391	ng	98
91) Dibenzo(a,h)anthracene	16.64	278	35705	2.039	ng	# 86
92) Benzo(g,h,i)perylene	17.04	276	127543	7.252	ng	98

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

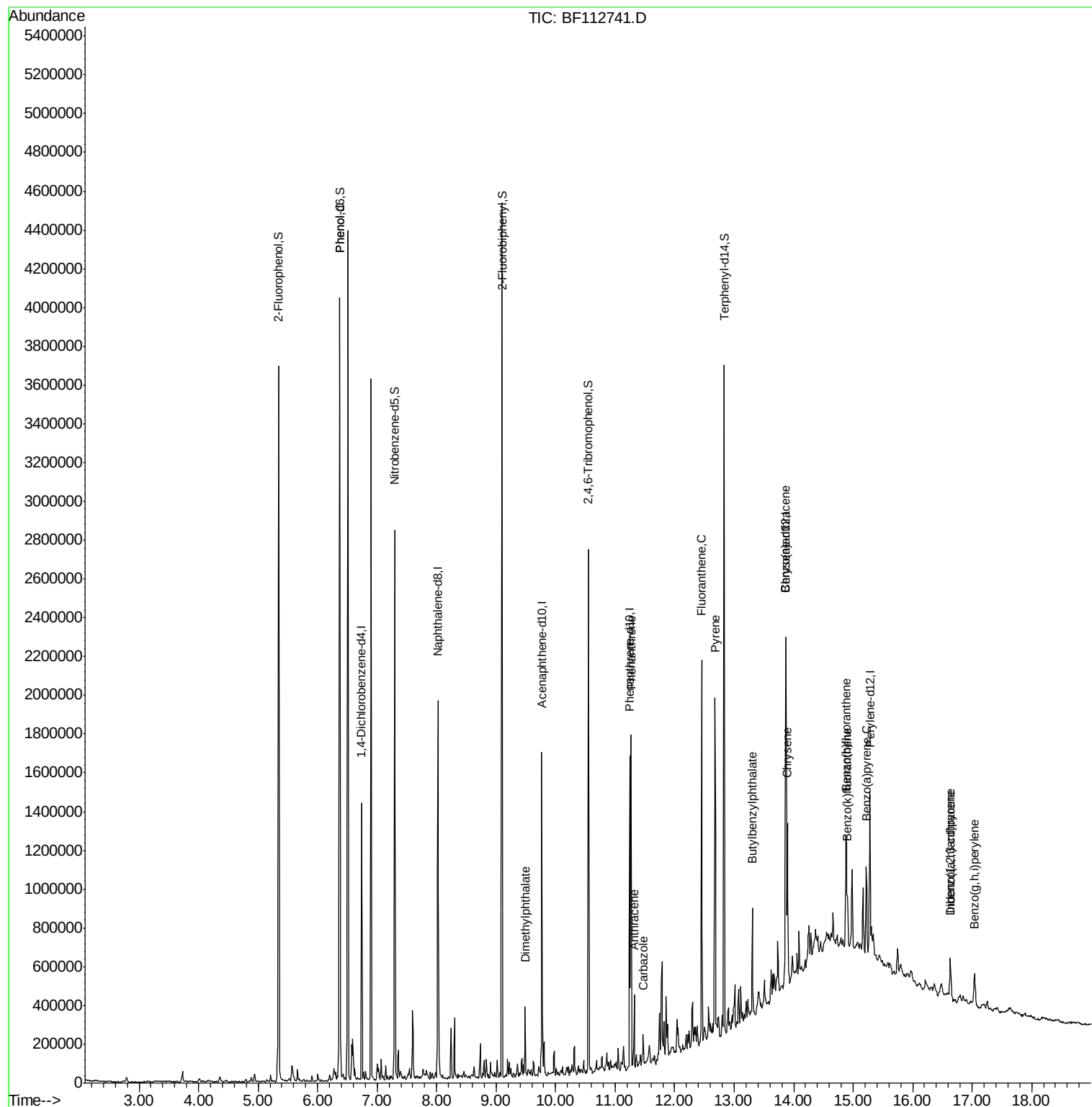
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022719\
Data File : BF112741.D
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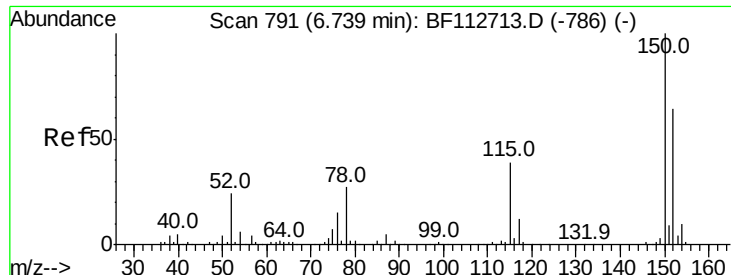
Instrument :
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#1

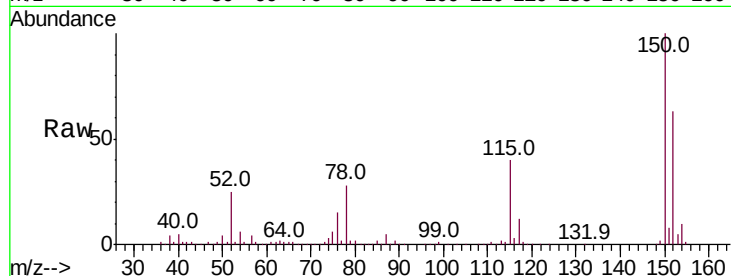
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.00 min
Lab File: BF112741.D
Acq: 28 Feb 2019 1:42

Instrument :
BNA_F
ClientSampleId :
TP-E-WALL-GRADE-BEAM

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	124.2	186.2
115	63.3	48.2	72.4

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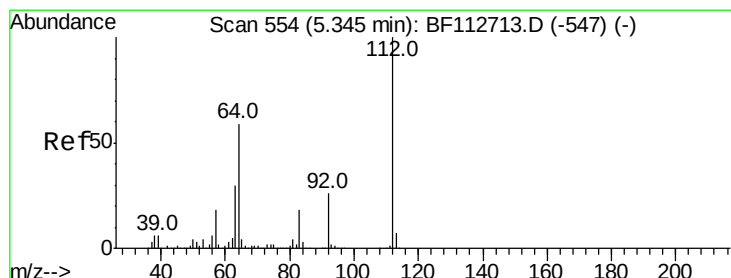
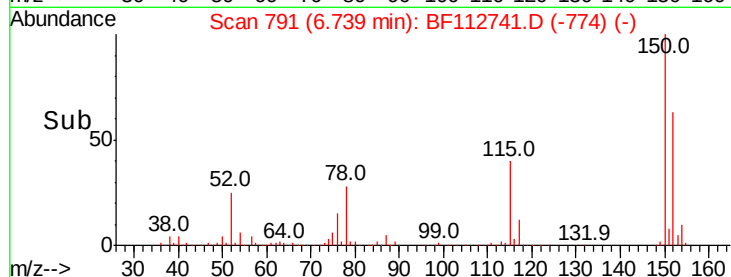
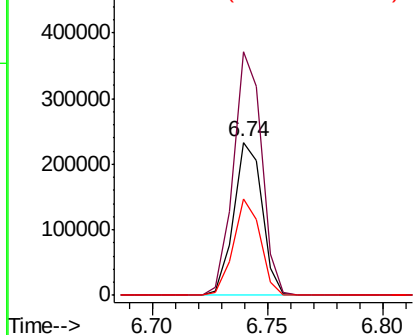


Abundance

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: 86.570 ng
RT: 5.35 min Scan# 554
Delta R.T. -0.00 min
Lab File: BF112741.D
Acq: 28 Feb 2019 1:42

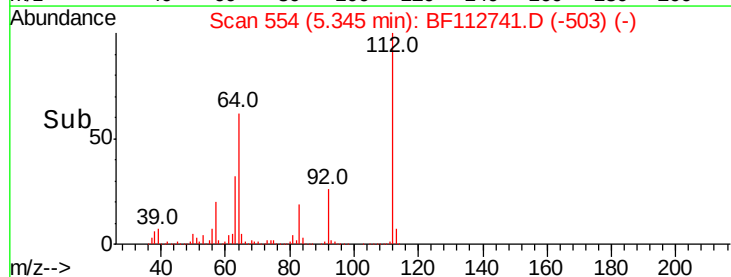
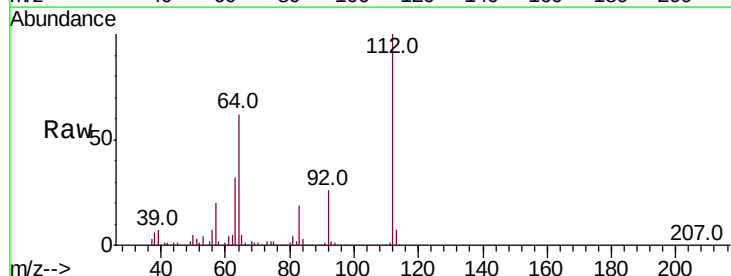
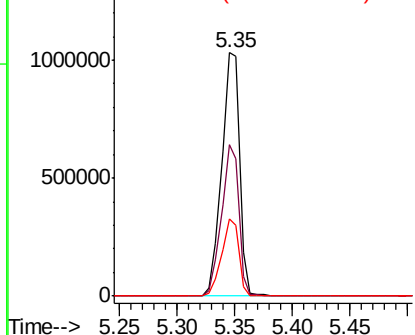
Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.9	47.6	71.4
63	31.9	24.4	36.6

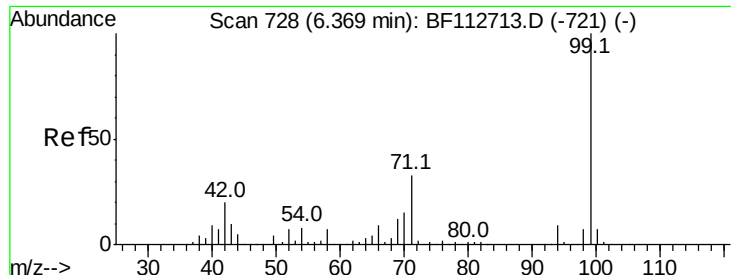
Abundance

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: 87.703 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF112741.D

Acq: 28 Feb 2019 1:42

Instrument :

BNA_F

ClientSampleId :

TP-E-WALL-GRADE-BEAM

Tot Ion: 99 Resp: 1420691

Ion Ratio Lower Upper

99 100

42 19.3 16.3 24.5

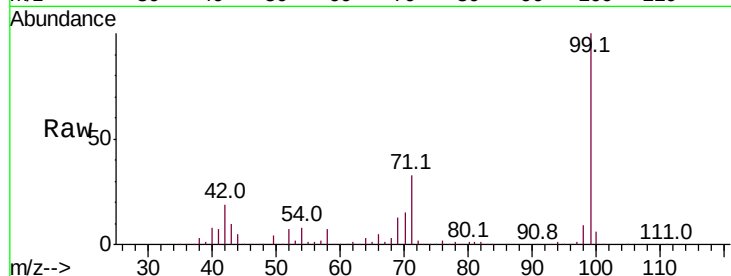
71 32.6 26.2 39.4

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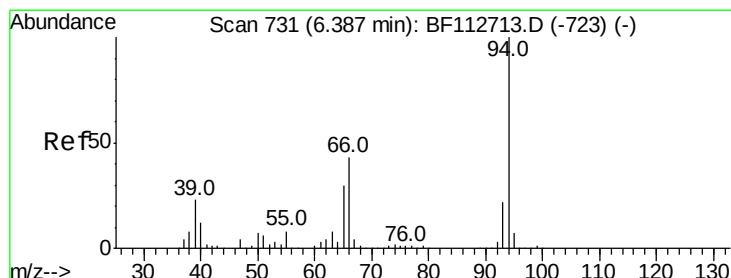
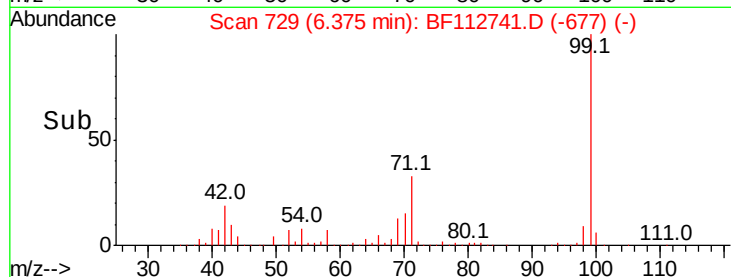
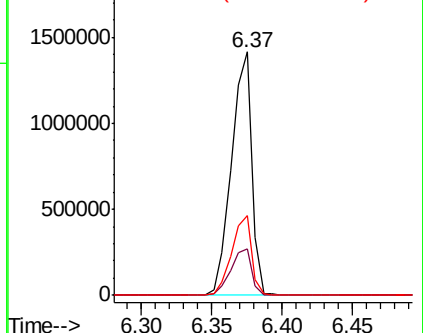
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.858 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BF112741.D

Acq: 28 Feb 2019 1:42

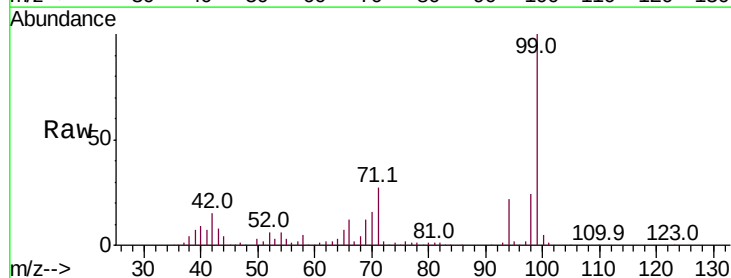
Tgt Ion: 94 Resp: 54028

Ion Ratio Lower Upper

94 100

65 34.1 10.5 50.5

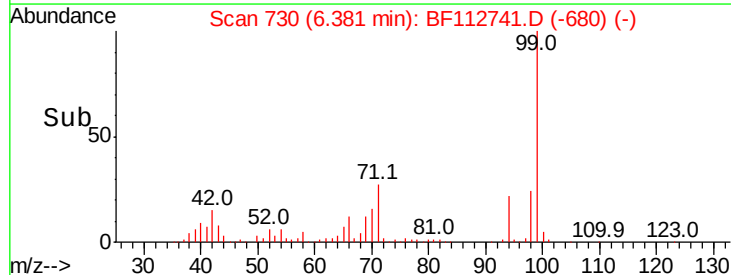
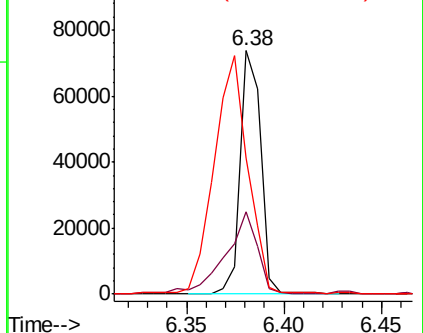
66 55.9 22.6 62.6

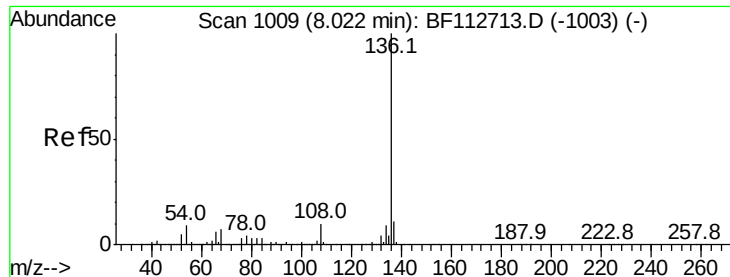


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





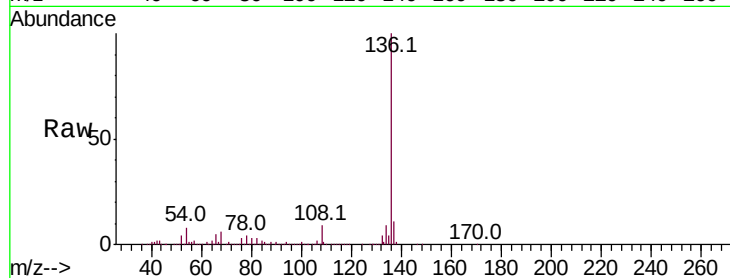
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BF112741.D
Acq: 28 Feb 2019 1:42

Instrument :
BNA_F
ClientSampleId :
TP-E-WALL-GRADE-BEAM

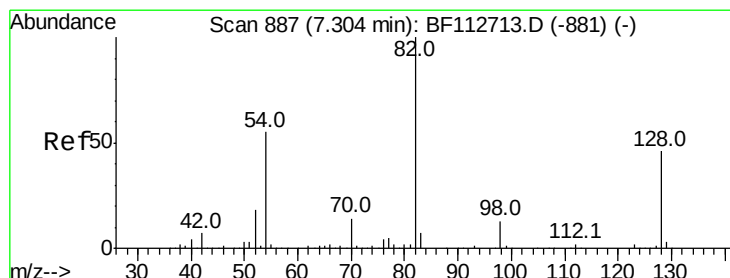
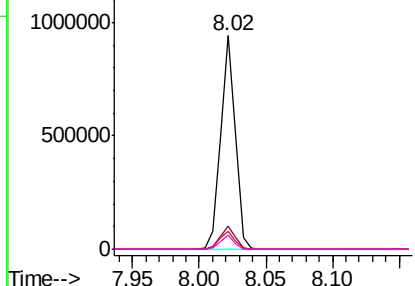
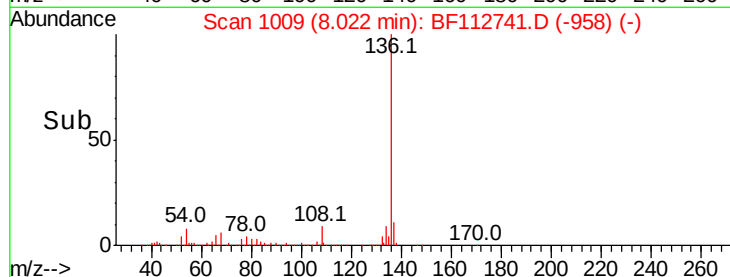
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.9	13.3	
54	8.4	7.3	10.9	
68	6.4	5.4	8.2	

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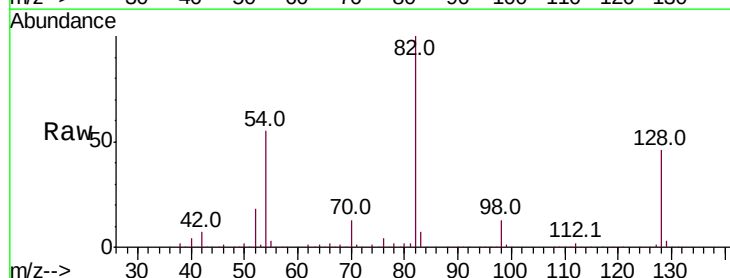


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

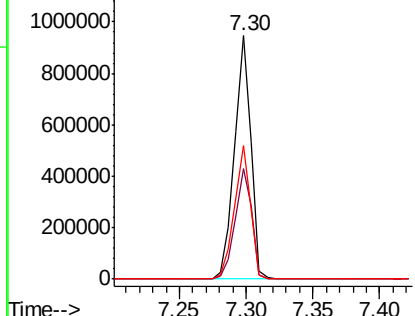
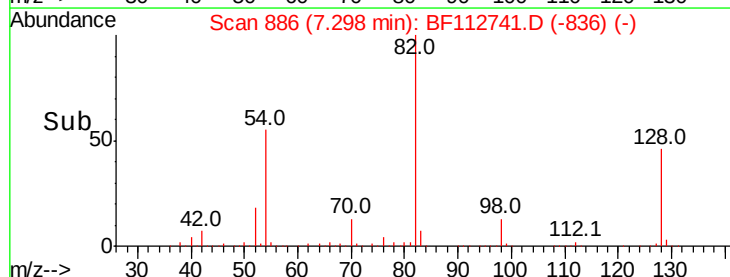


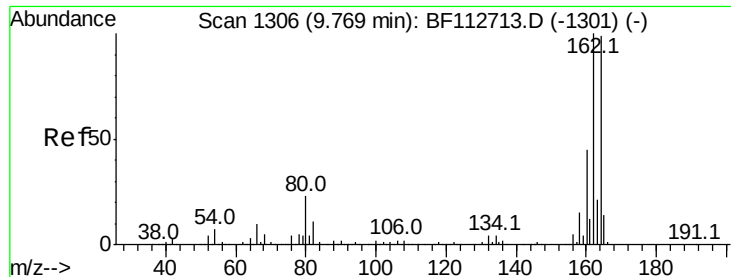
#23
Nitrobenzene-d5
Concen: 67.231 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112741.D
Acq: 28 Feb 2019 1:42

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.6	36.3	54.5	
54	54.8	43.7	65.5	



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





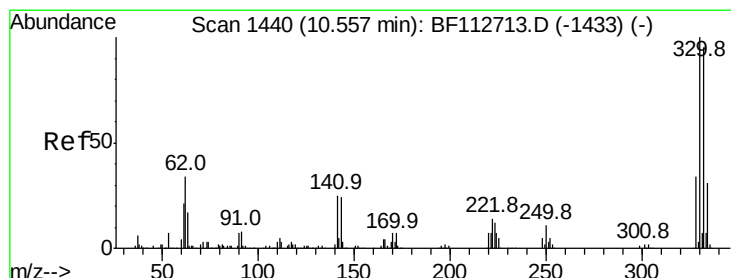
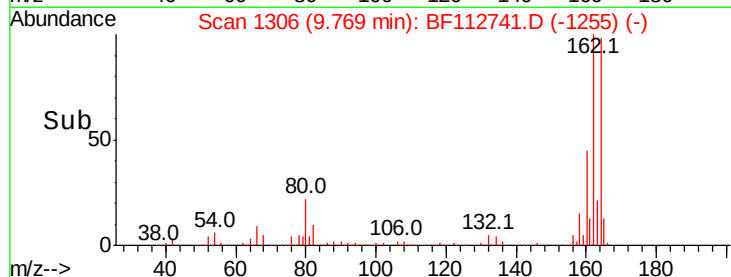
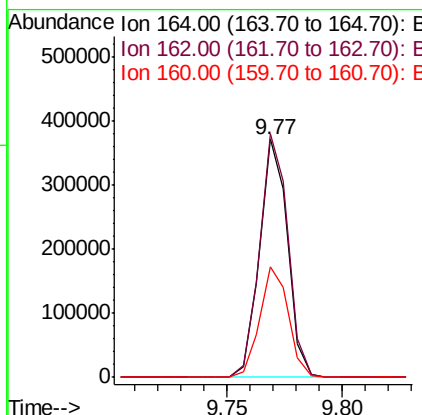
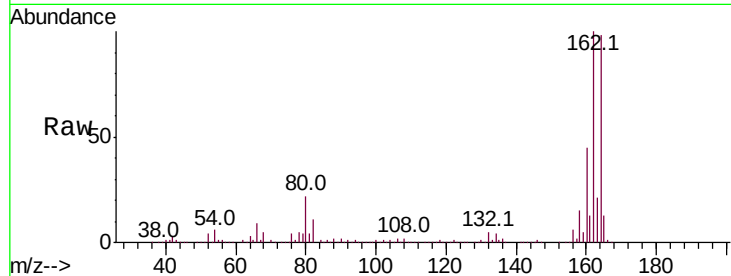
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.00 min
 Lab File: BF112741.D
 Acq: 28 Feb 2019 1:42

Instrument :
 BNA_F
 ClientSampleId :
 TP-E-WALL-GRADE-BEAM

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.2	80.6	120.8
160	46.3	36.0	54.0

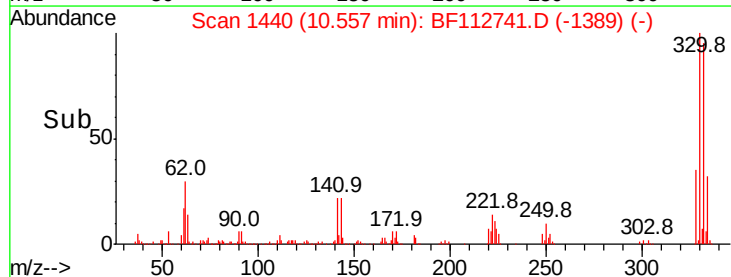
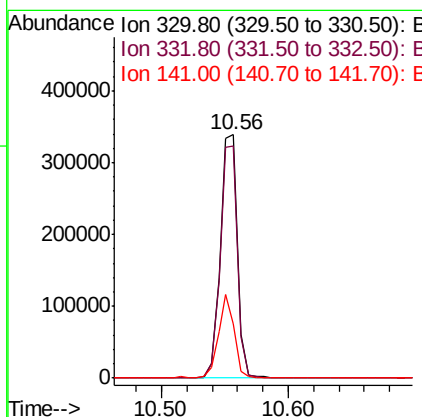
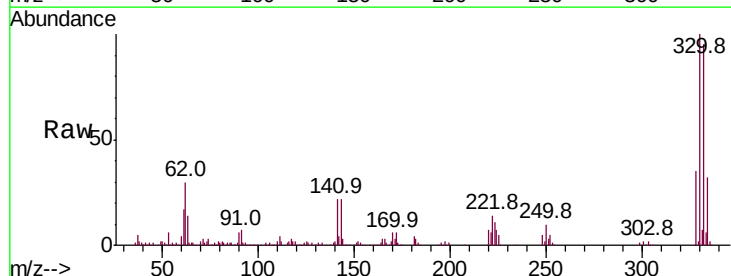
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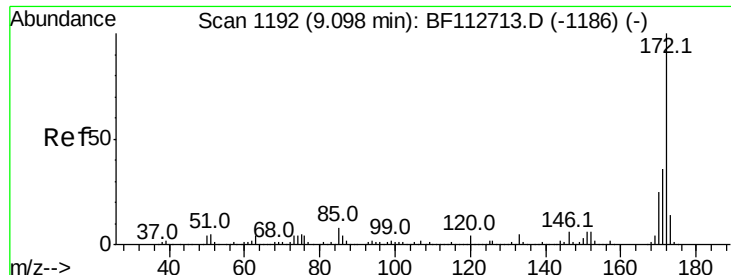
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#42
 2,4,6-Tribromophenol
 Concen: 96.437 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: BF112741.D
 Acq: 28 Feb 2019 1:42

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.2	114.4
141	30.6	27.0	40.6





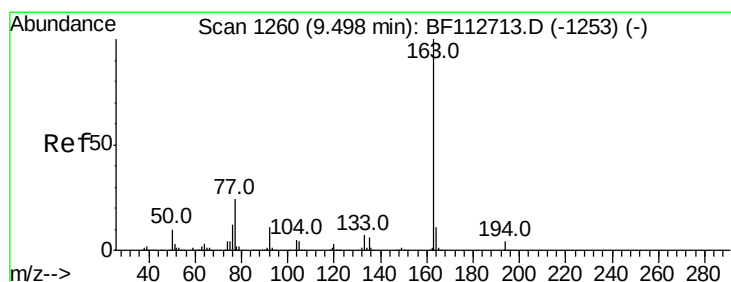
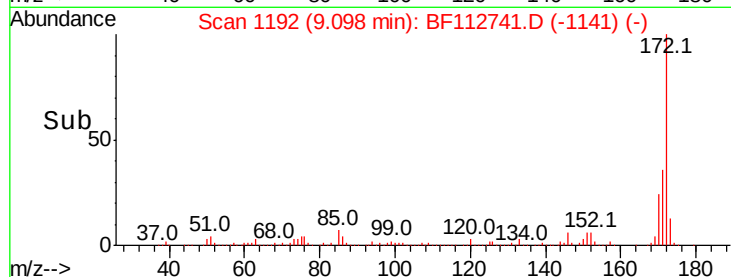
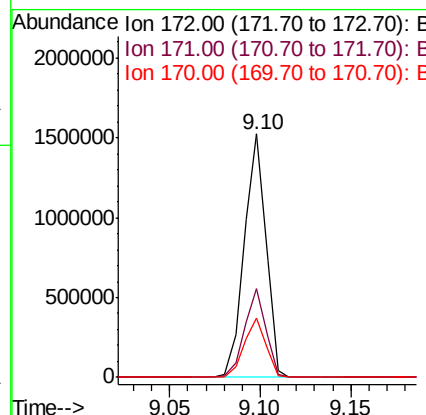
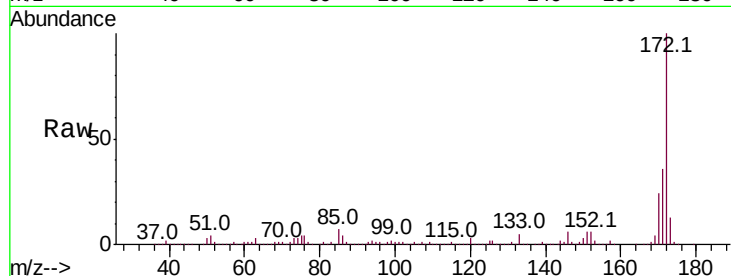
#45
2-Fluorobiphenyl
Concen: 66.542 ng
RT: 9.10 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BF112741.D
Acq: 28 Feb 2019 1:42

Instrument :
BNA_F
ClientSampleId :
TP-E-WALL-GRADE-BEAM

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.0	43.4
170	24.4	20.0	30.0

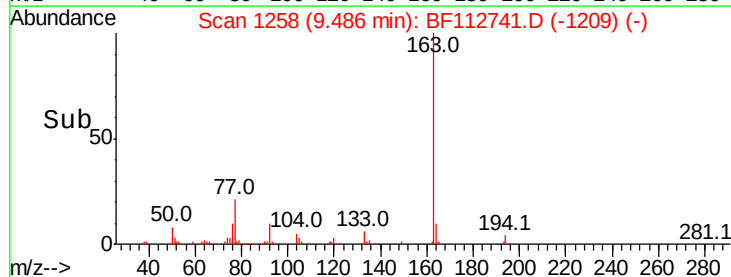
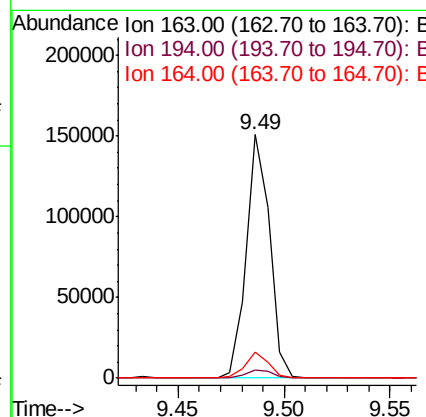
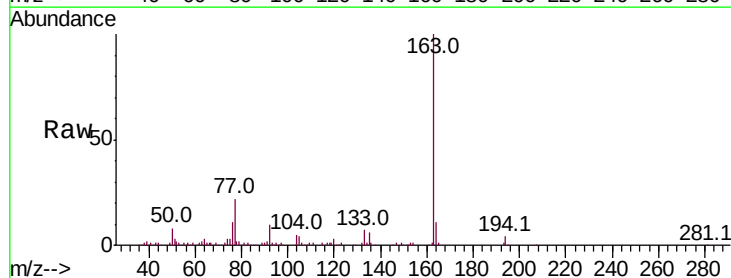
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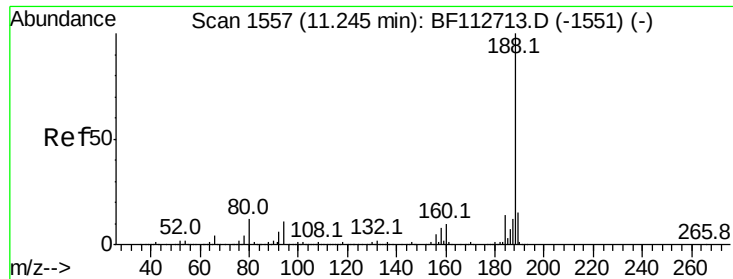
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#50
Dimethylphthalate
Concen: 4.984 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF112741.D
Acq: 28 Feb 2019 1:42

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.0	4.4
164	10.5	8.4	12.6





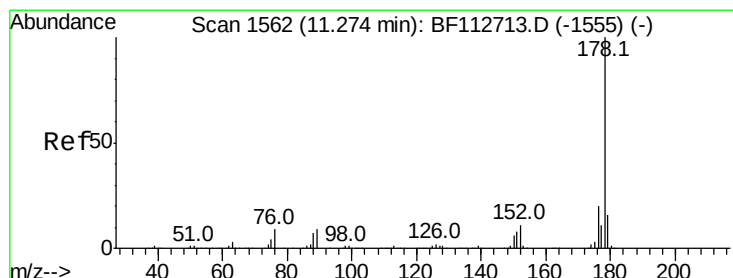
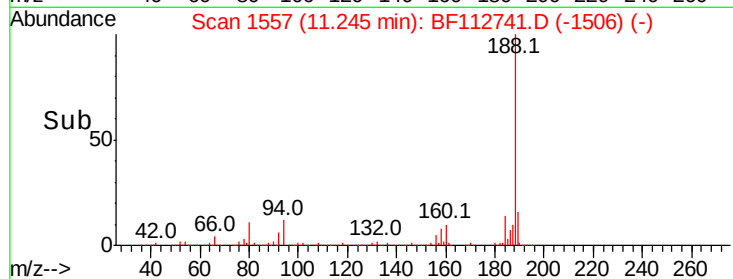
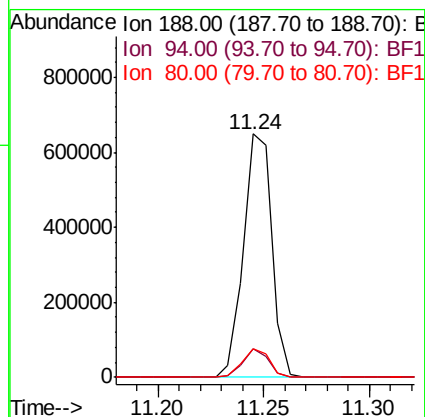
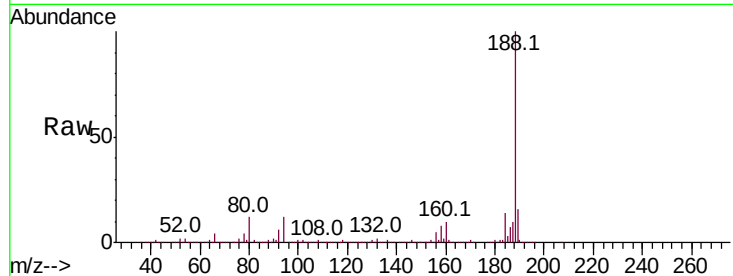
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1557
Delta R.T. -0.00 min
Lab File: BF112741.D
Acq: 28 Feb 2019 1:42

Instrument :
BNA_F
ClientSampleId :
TP-E-WALL-GRADE-BEAM

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.6	9.0	13.4
80	11.5	9.2	13.8

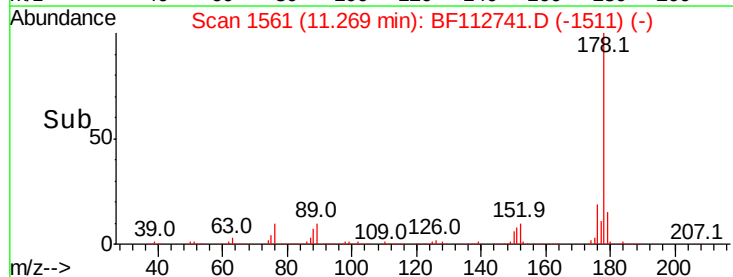
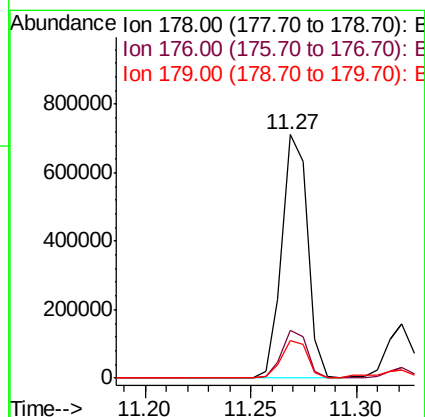
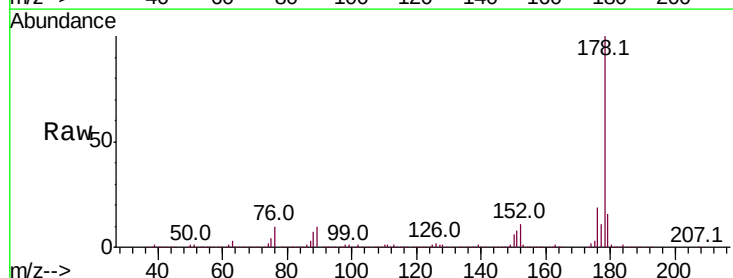
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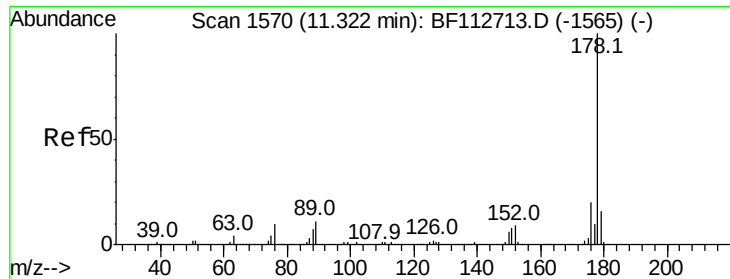
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#71
Phenanthrene
Concen: 20.160 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF112741.D
Acq: 28 Feb 2019 1:42

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.4	16.3	24.5
179	15.5	12.7	19.1





#72

Anthracene

Concen: 4.186 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.00 min

Lab File: BF112741.D

Acq: 28 Feb 2019 1:42

Instrument :

BNA_F

ClientSampleId :

TP-E-WALL-GRADE-BEAM

Tot Ion:178 Resp: 131491

Ion Ratio Lower Upper

178 100

176 19.2 15.8 23.6

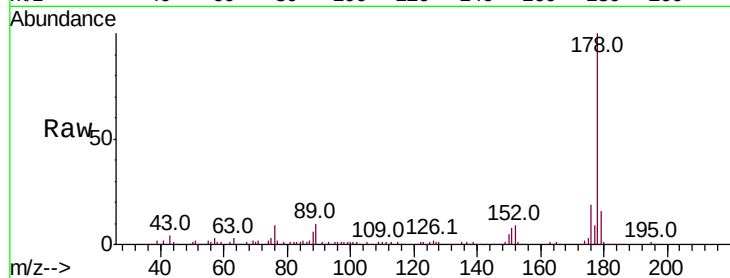
179 15.6 13.0 19.6

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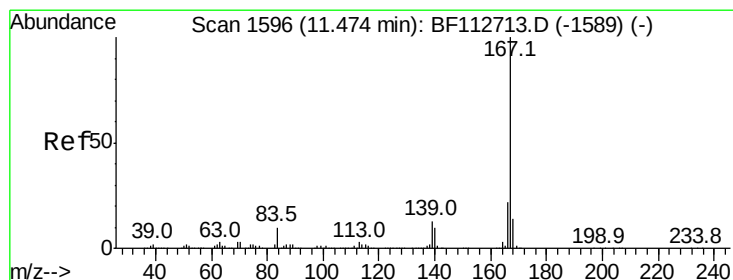
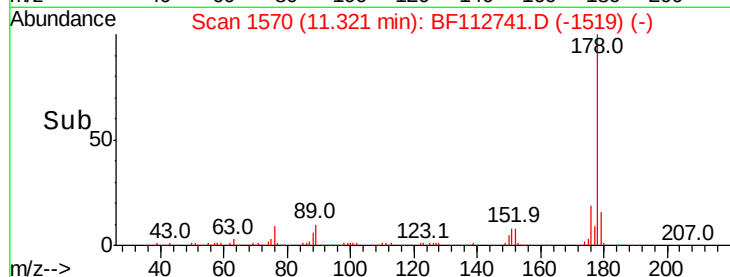
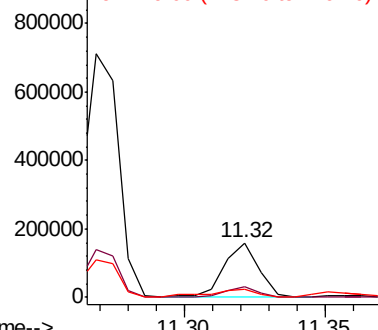
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 2.126 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BF112741.D

Acq: 28 Feb 2019 1:42

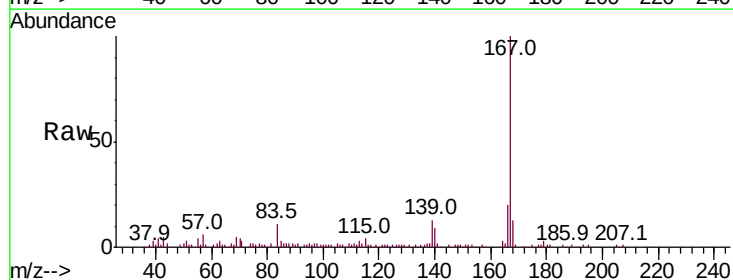
Tgt Ion:167 Resp: 65154

Ion Ratio Lower Upper

167 100

166 20.5 17.5 26.3

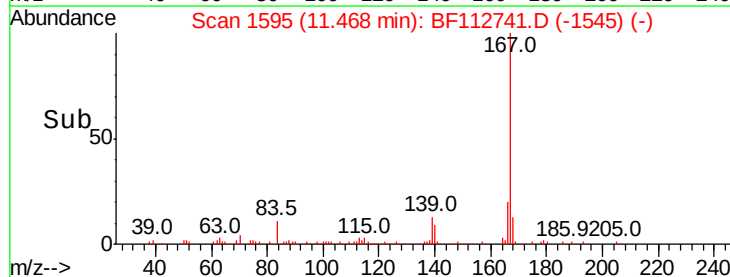
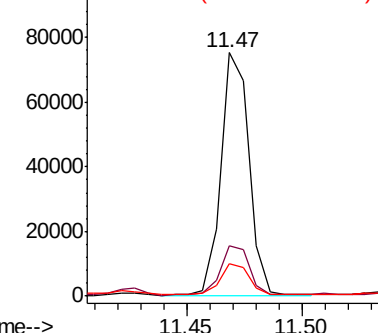
139 13.1 10.8 16.2

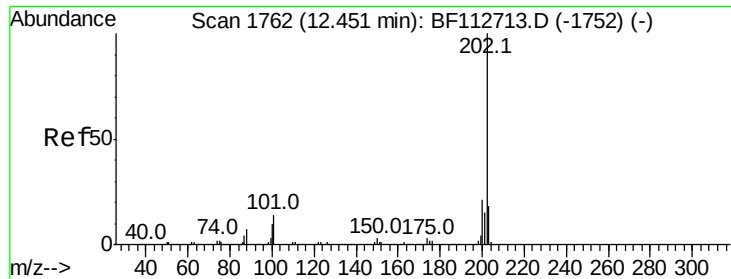


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 24.297 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF112741.D

Acq: 28 Feb 2019 1:42

Instrument :

BNA_F

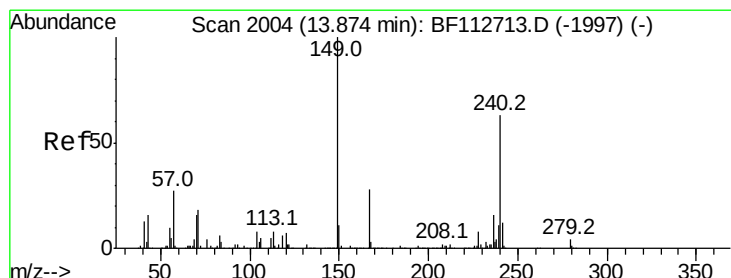
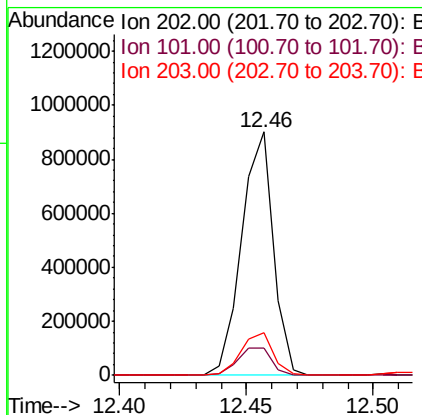
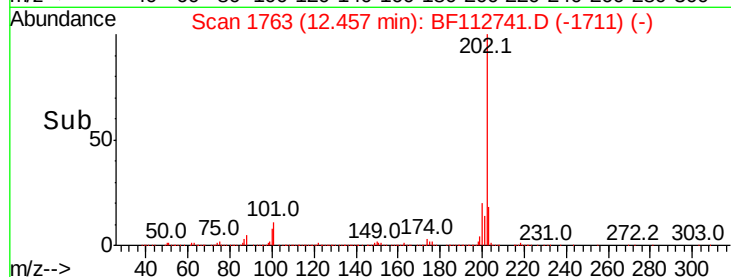
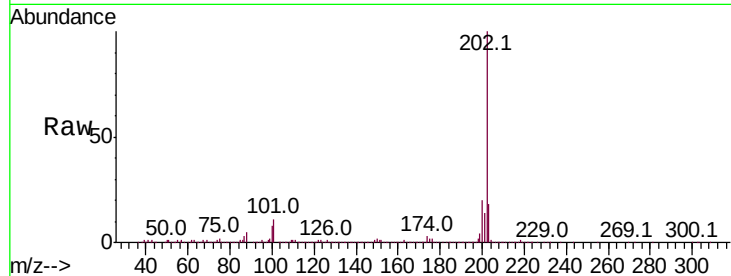
ClientSampleId :

TP-E-WALL-GRADE-BEAM

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	11.3	0.0	33.8		
203	17.7	0.0	38.4		

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

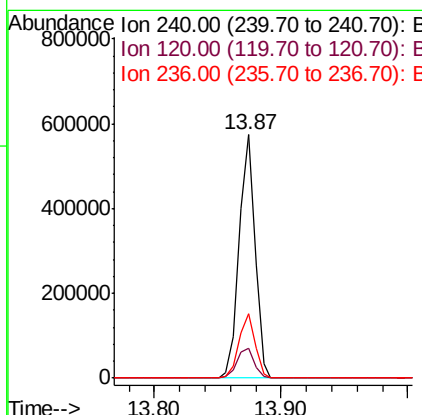
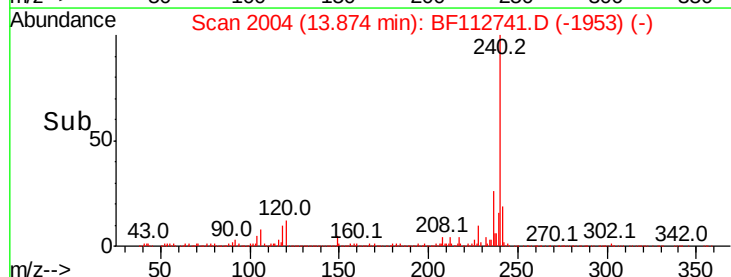
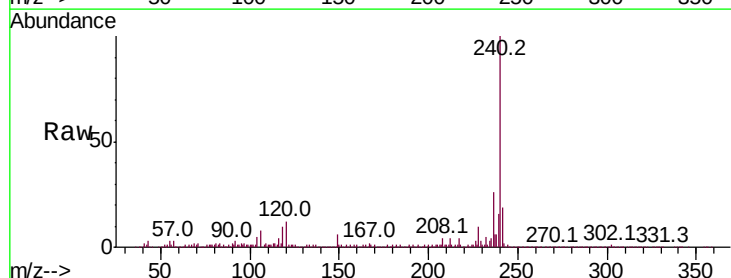
RT: 13.87 min Scan# 2004

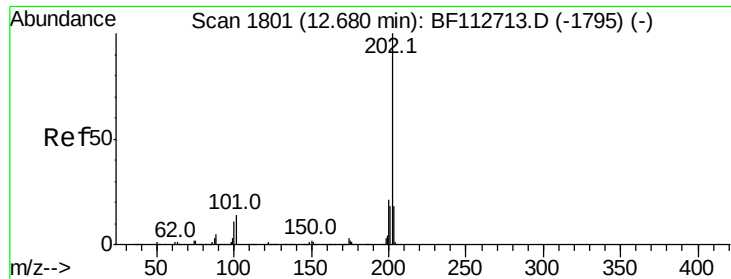
Delta R.T. -0.00 min

Lab File: BF112741.D

Acq: 28 Feb 2019 1:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	12.2	8.9	13.3		
236	26.4	20.7	31.1		





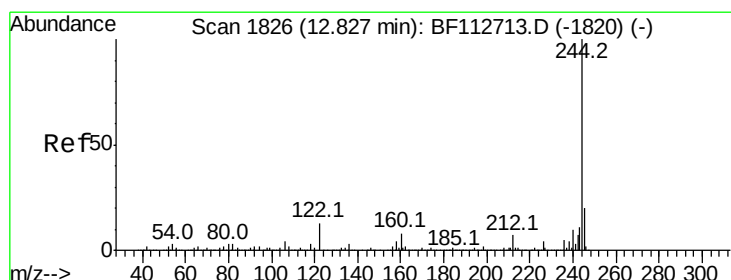
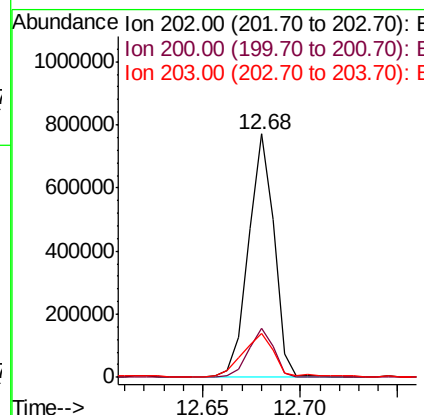
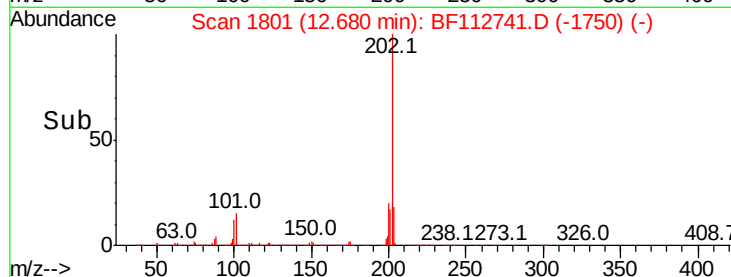
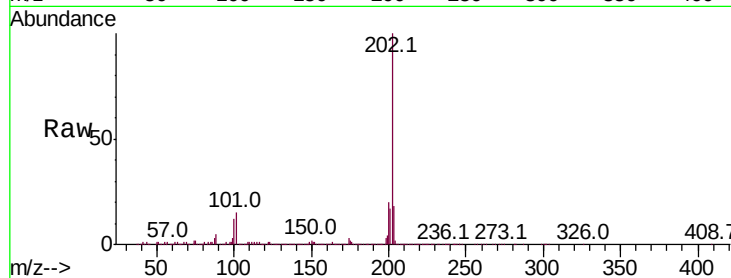
#78
Pvrene
Concen: 16.830 ng
RT: 12.68 min Scan# 1801
Delta R.T. -0.00 min
Lab File: BF112741.D
Acq: 28 Feb 2019 1:42

Instrument :
BNA_F
ClientSampleId :
TP-E-WALL-GRADE-BEAM

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.4	17.0	25.4
203	18.0	14.4	21.6

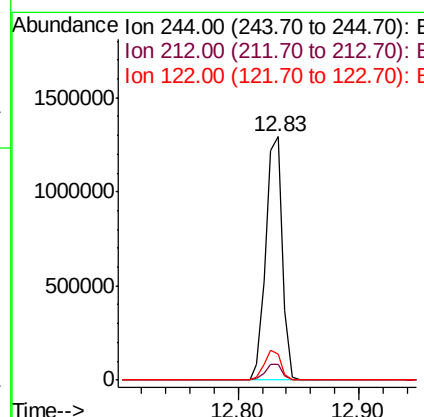
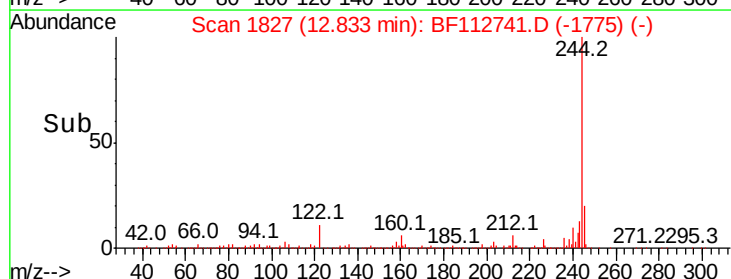
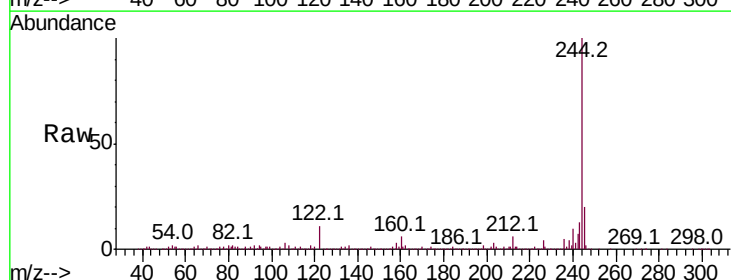
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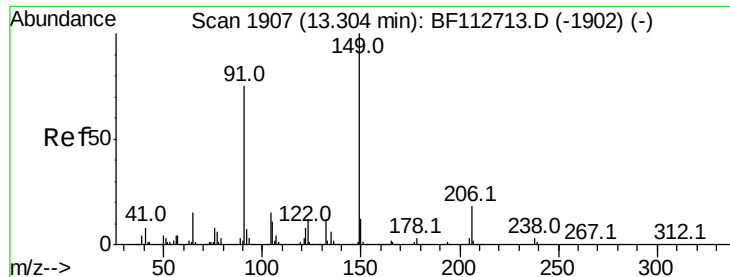
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#79
Terphenyl-d14
Concen: 49.265 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.01 min
Lab File: BF112741.D
Acq: 28 Feb 2019 1:42

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.4	5.6	8.4
122	10.7	10.5	15.7





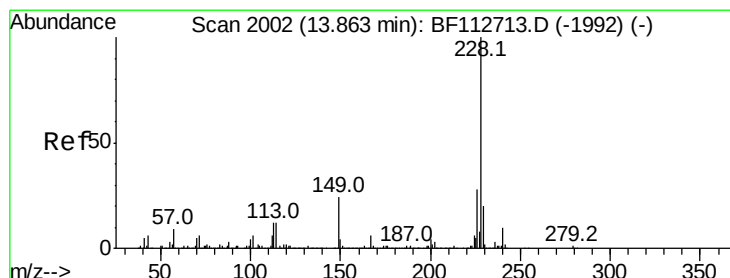
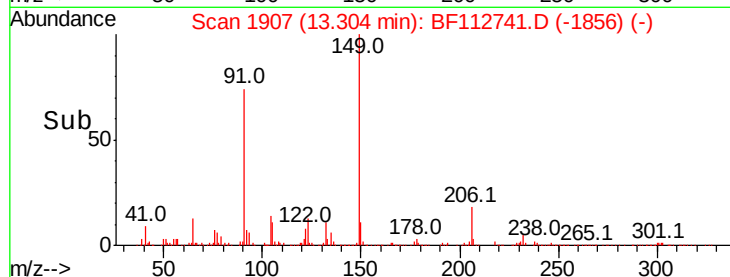
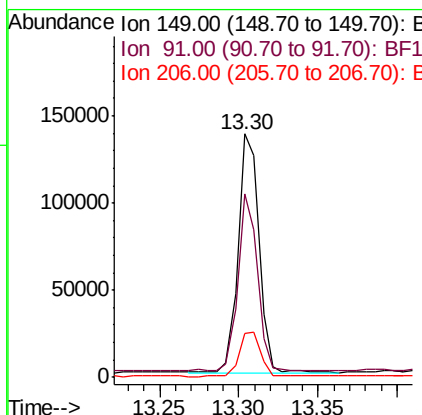
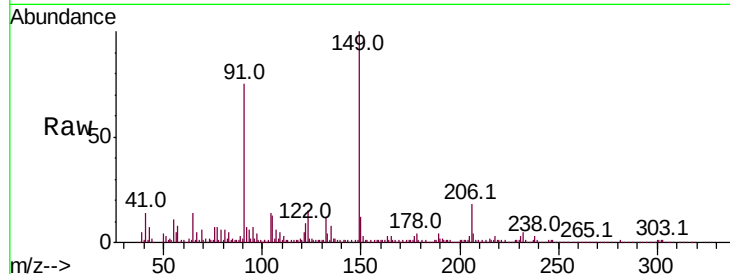
#80
Butylbenzylphthalate
Concen: 6.883 ng
RT: 13.30 min Scan# 1907
Delta R.T. -0.00 min
Lab File: BF112741.D
Acq: 28 Feb 2019 1:42

Instrument :
BNA_F
ClientSampleId :
TP-E-WALL-GRADE-BEAM

Tot Ion	Ratio	Resp Lower	Upper
149	100		
91	75.2	59.9	89.9
206	18.3	14.7	22.1

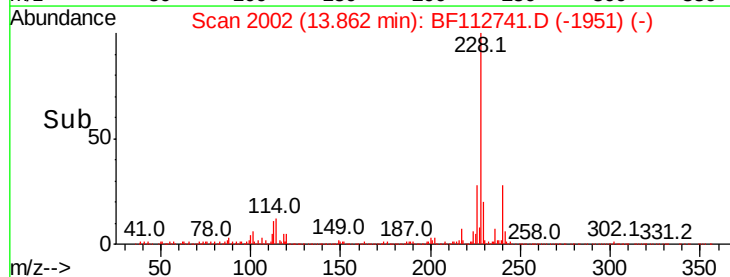
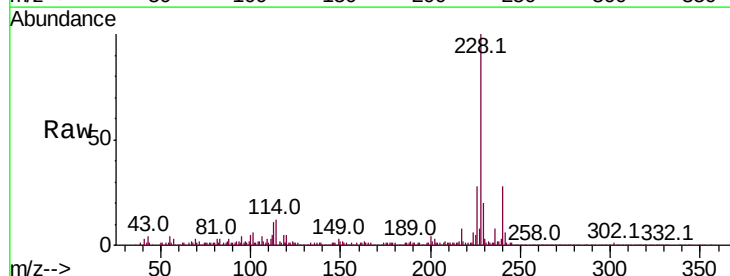
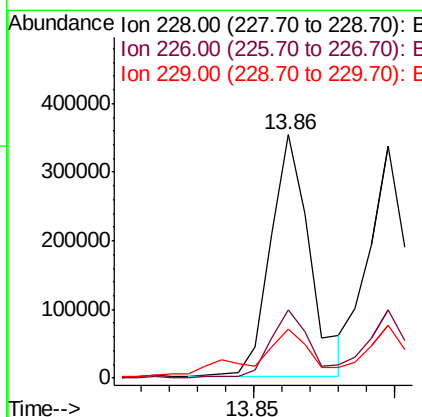
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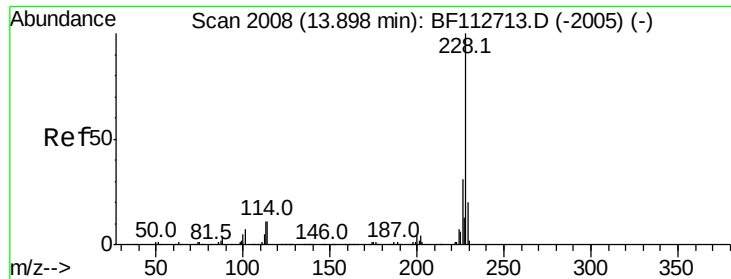
Sohil
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#81
Benzo(a)anthracene
Concen: 10.043 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.00 min
Lab File: BF112741.D
Acq: 28 Feb 2019 1:42

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	28.3	22.2	33.4
229	20.2	16.0	24.0





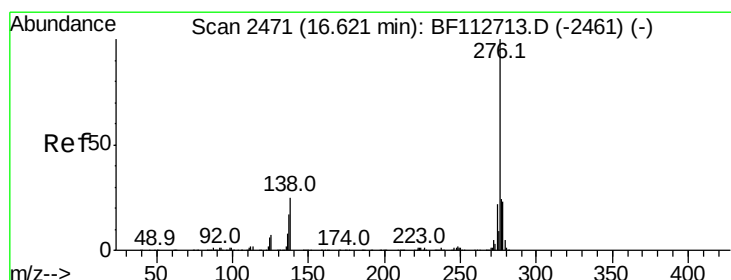
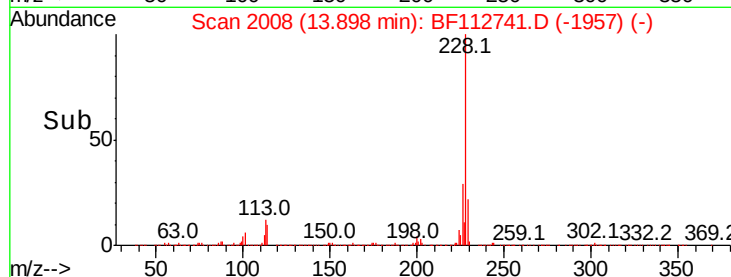
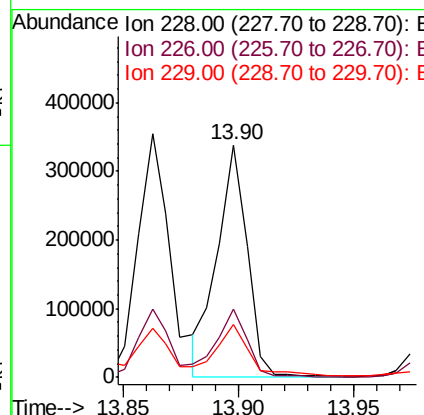
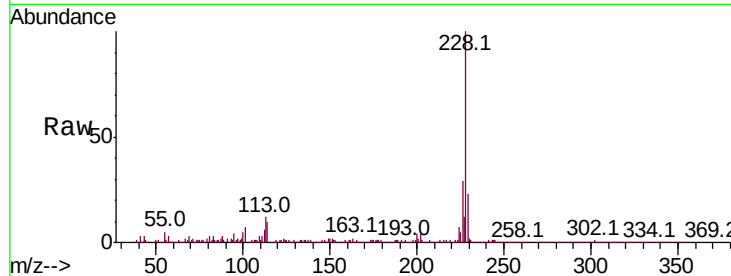
#83
Chrysene
Concen: 9.100 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BF112741.D
Acq: 28 Feb 2019 1:42

Instrument :
BNA_F
ClientSampleId :
TP-E-WALL-GRADE-BEAM

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.9	37.3
229	22.8	16.3	24.5

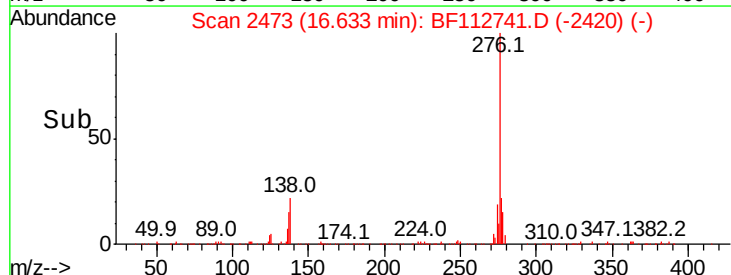
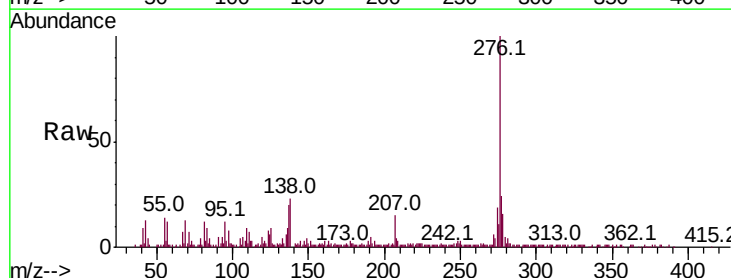
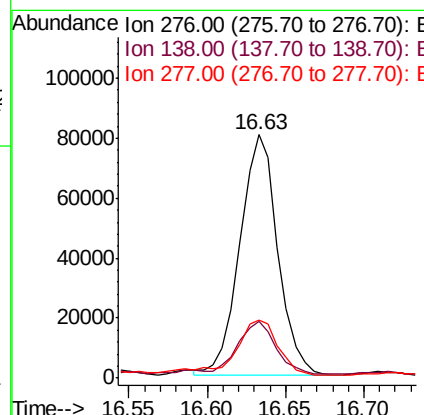
Manual Integrations
APPROVED

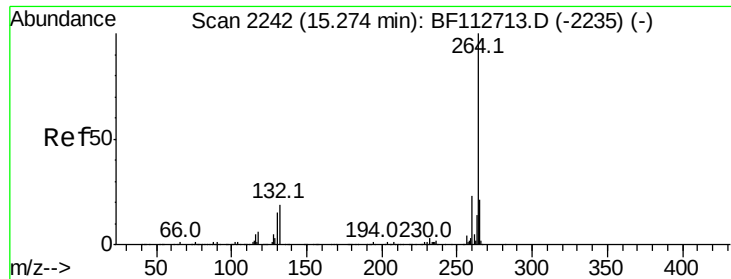
Sohil
2/28/2019 12:47:31 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 4.759 ng m
RT: 16.63 min Scan# 2473
Delta R.T. 0.01 min
Lab File: BF112741.D
Acq: 28 Feb 2019 1:42

Tgt Ion	Ratio	Lower	Upper
276	100		
138	4.8	23.2	34.8#
277	5.0	19.9	29.9#





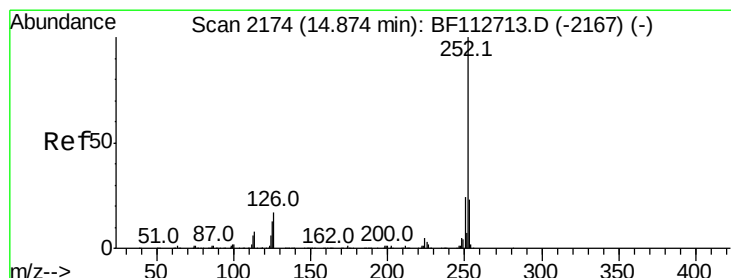
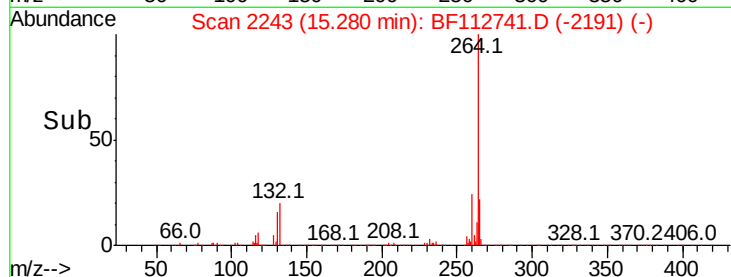
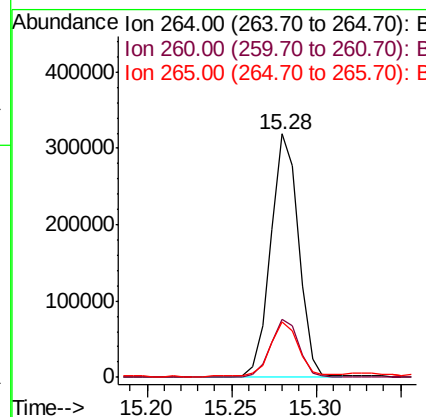
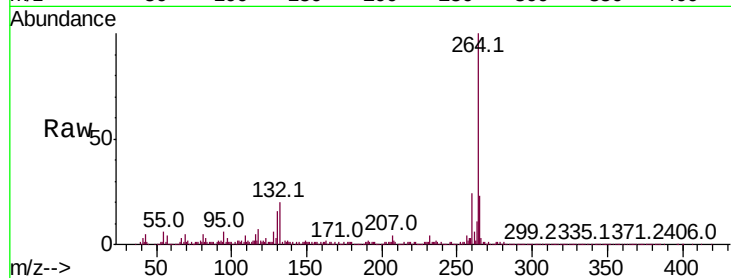
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF112741.D
Acq: 28 Feb 2019 1:42

Instrument :
BNA_F
ClientSampleId :
TP-E-WALL-GRADE-BEAM

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.7	28.1
265	22.7	17.2	25.8

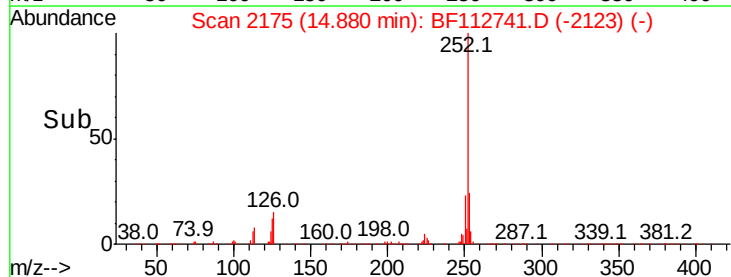
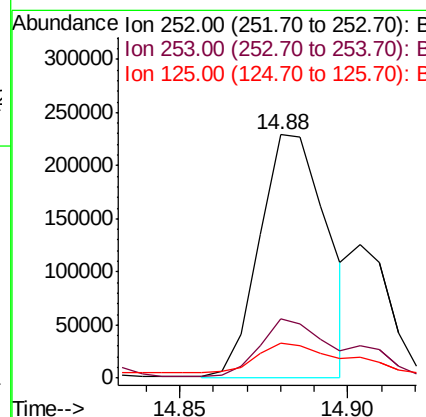
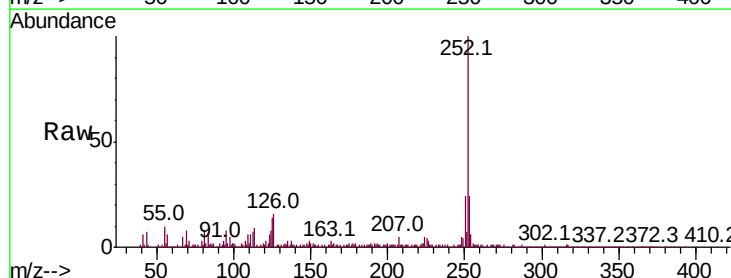
Manual Integrations
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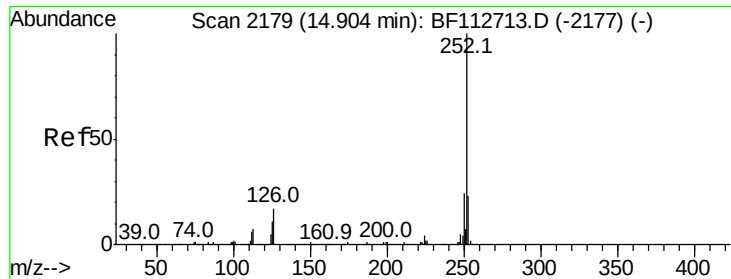
Sohil
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#88
Benzo(b)fluoranthene
Concen: 13.850 ng m
RT: 14.88 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BF112741.D
Acq: 28 Feb 2019 1:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.0	27.0
125	14.3	10.2	15.2





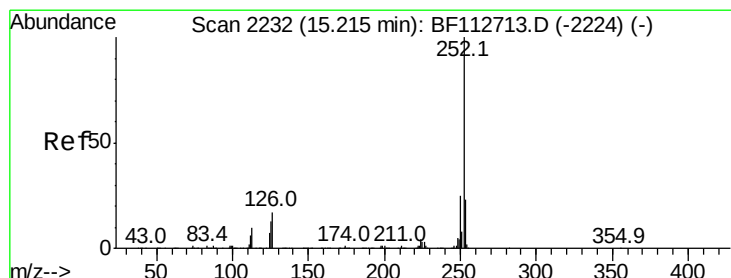
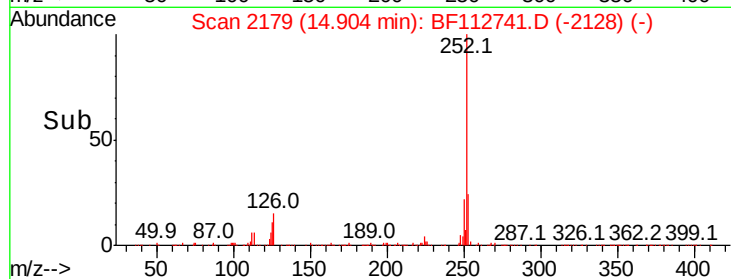
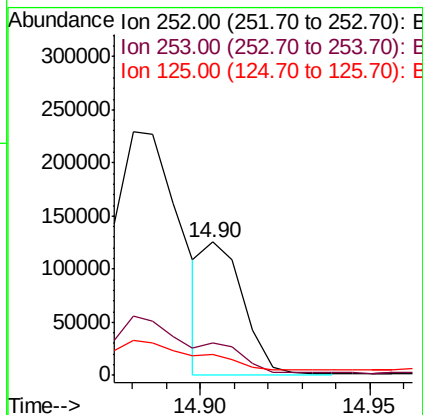
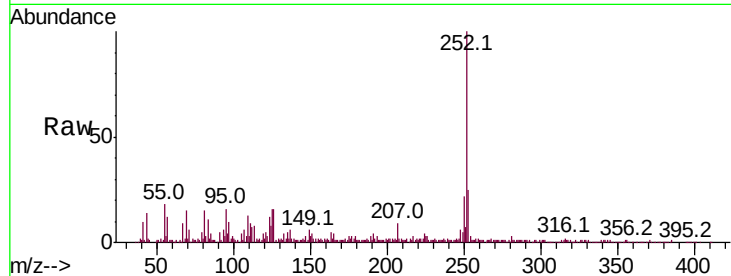
#89
Benzo(k)fluoranthene
Concen: 4.866 ng m
RT: 14.90 min Scan# 2179
Delta R.T. -0.00 min
Lab File: BF112741.D
Acq: 28 Feb 2019 1:42

Instrument :
BNA_F
ClientSampleId :
TP-E-WALL-GRADE-BEAM

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.2	27.2
125	15.8	9.8	14.6

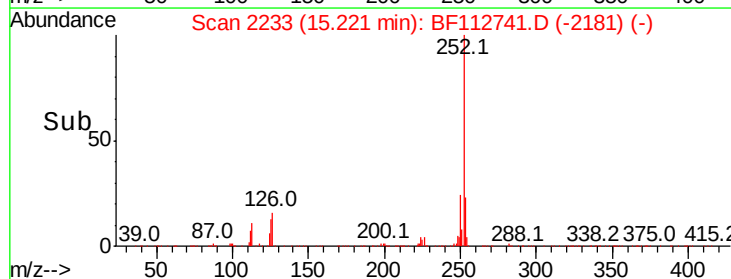
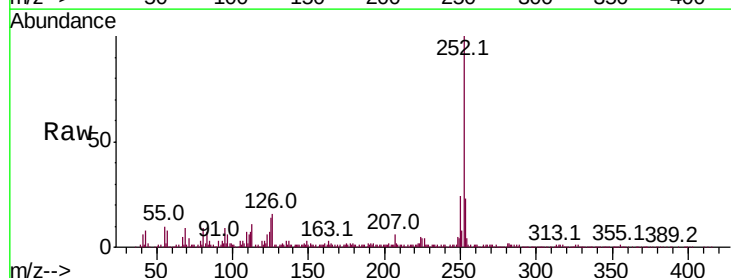
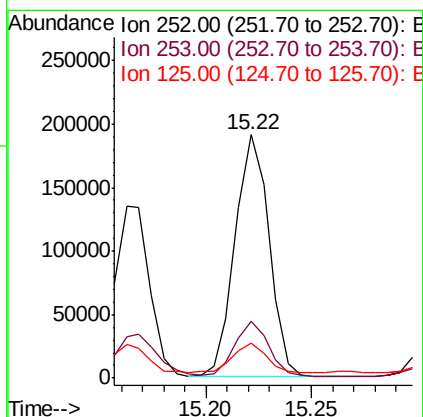
Manual Integrations
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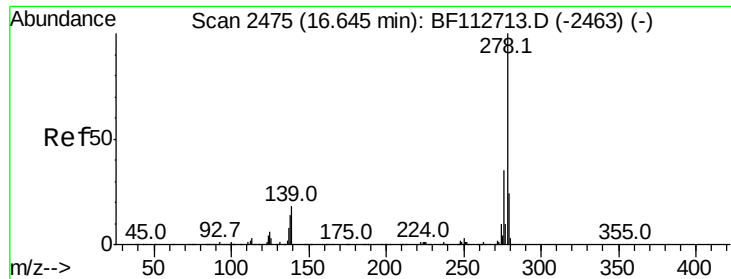
Sohil
2/28/2019 12:47:31 PM



#90
Benzo(a)pyrene
Concen: 10.391 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.01 min
Lab File: BF112741.D
Acq: 28 Feb 2019 1:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	14.3	10.7	16.1





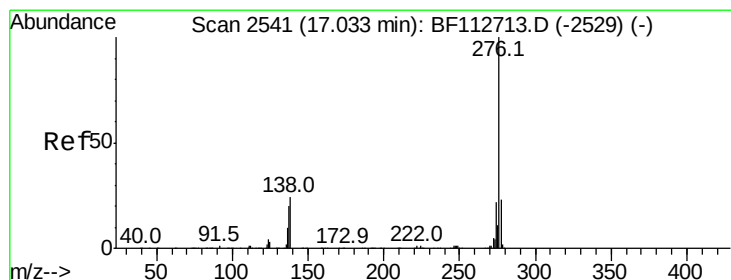
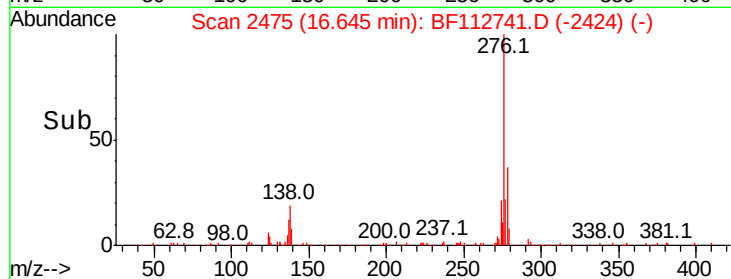
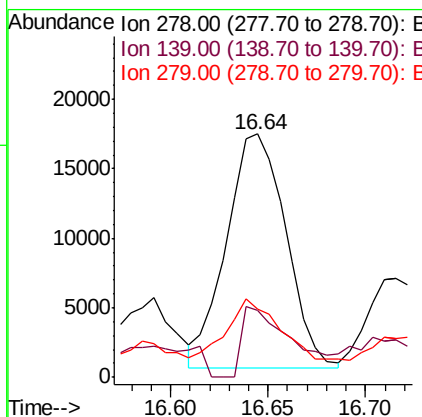
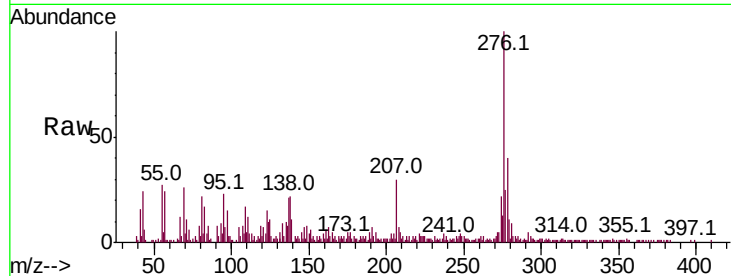
#91
Dibenzo(a,h)anthracene
Concen: 2.039 ng
RT: 16.64 min Scan# 2475
Delta R.T. -0.00 min
Lab File: BF112741.D
Acq: 28 Feb 2019 1:42

Instrument :
BNA_F
ClientSampleId :
TP-E-WALL-GRADE-BEAM

Tot Ion	Ratio	Lower	Upper
278	100		
139	27.6	14.3	21.5#
279	28.1	19.4	29.0

Manual Integrations
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2/28/2019 12:47:31 PM



#92
Benzo(g,h,i)perylene
Concen: 7.252 ng
RT: 17.04 min Scan# 2543
Delta R.T. 0.01 min
Lab File: BF112741.D
Acq: 28 Feb 2019 1:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.6	27.8
138	23.5	19.4	29.0

