

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022819\
 Data File : BF112780.D
 Acq On : 1 Mar 2019 00:00
 Operator : JU/SJ
 Sample : K1654-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE

Manual Integrations
 APPROVED

Sohil
 3/1/2019 3:00:21 PM

Quant Time: Mar 01 07:19:19 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	127322	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	489496	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	228248	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	409431	20.00	ng	0.00
76) Chrysene-d12	13.87	240	264478	20.00	ng	0.00
87) Perylene-d12	15.28	264	304858	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	763109	93.23	ng	0.00
7) Phenol-d6	6.37	99	975218	94.85	ng	0.00
23) Nitrobenzene-d5	7.30	82	571711	69.89	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	253035	104.42	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	997489	73.16	ng	0.00
79) Terphenyl-d14	12.83	244	815731	59.79	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	9.49	163	76978	4.574	ng	100
71) Phenanthrene	11.27	178	194606	9.553	ng	98
75) Fluoranthene	12.45	202	156869	7.188	ng	98
78) Pyrene	12.68	202	115480	5.179	ng	98
81) Benzo(a)anthracene	13.86	228	47453	2.589	ng	100
83) Chrysene	13.90	228	46390	2.584	ng	97
88) Benzo(b)fluoranthene	14.88	252	63610m	3.226	ng	
90) Benzo(a)pyrene	15.22	252	41875	2.401	ng	97

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

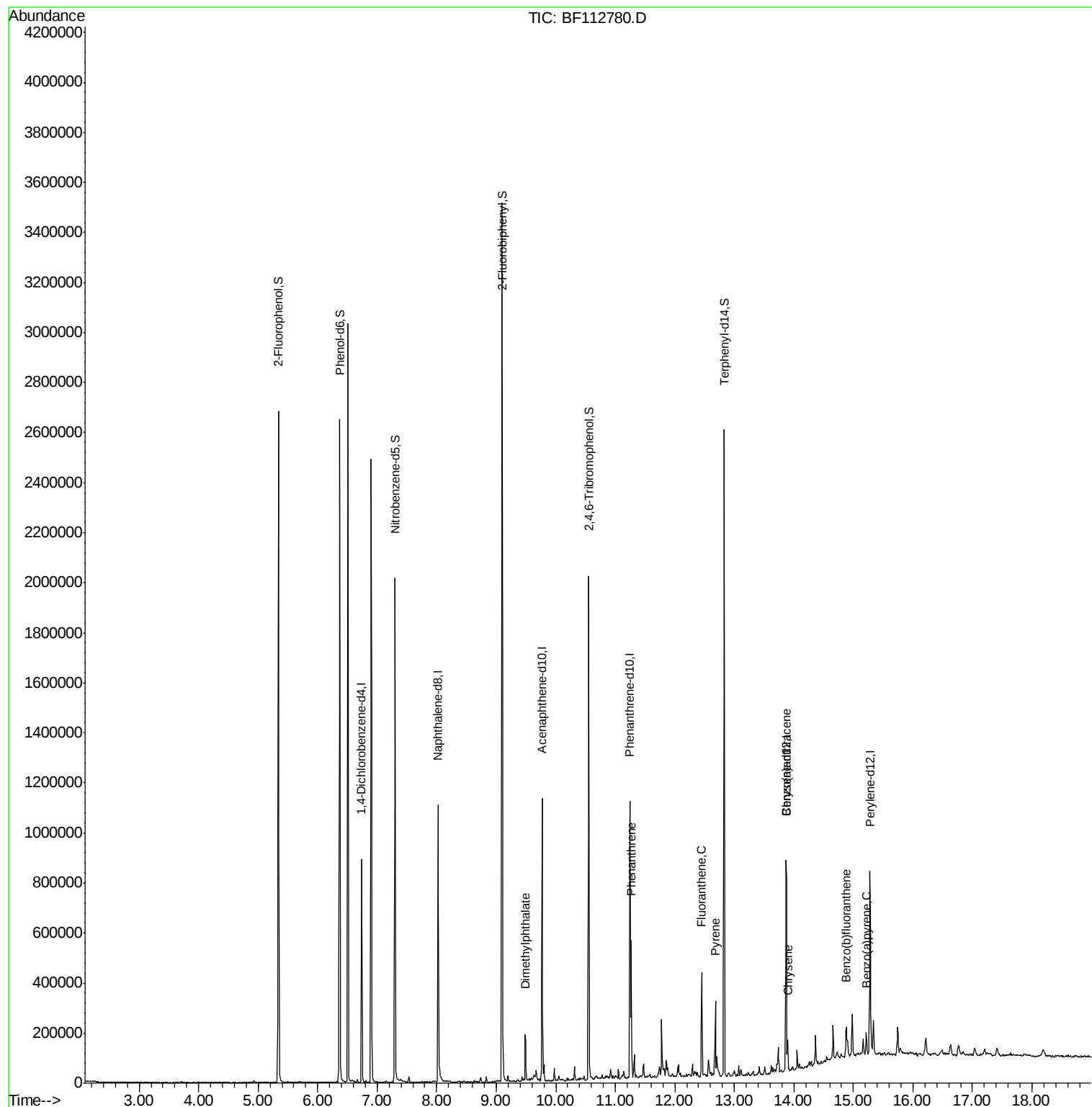
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022819\
Data File : BF112780.D
Acq On : 1 Mar 2019 00:00
Operator : JU/SJ
Sample : K1654-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

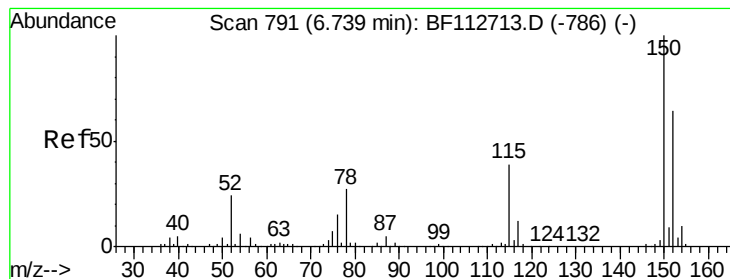
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

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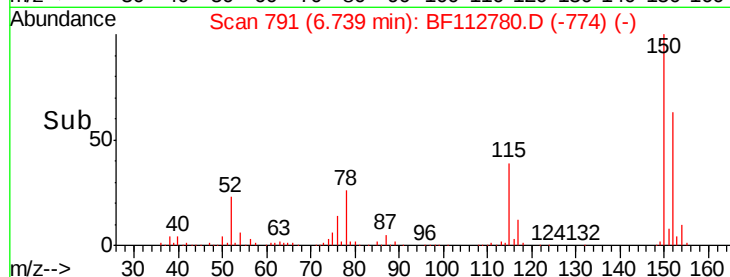
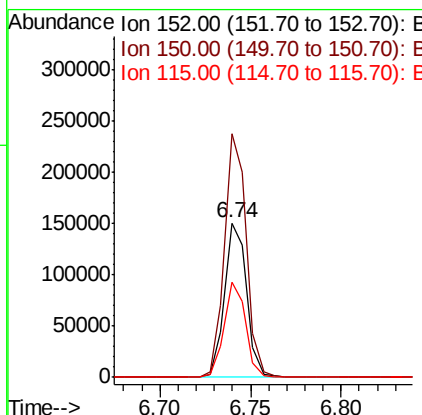
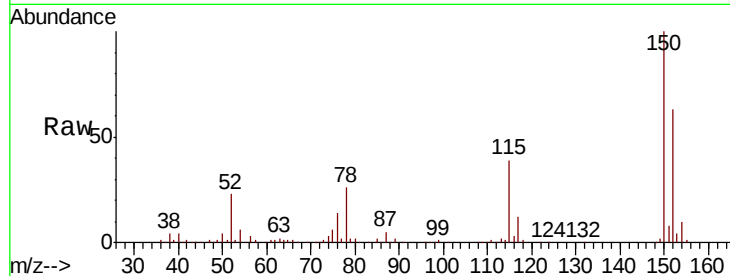
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.74 min Scan# 791
 Delta R.T. 0.00 min
 Lab File: BF112780.D
 Acq: 1 Mar 2019 00:00

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	124.2	186.2
115	61.6	48.2	72.4

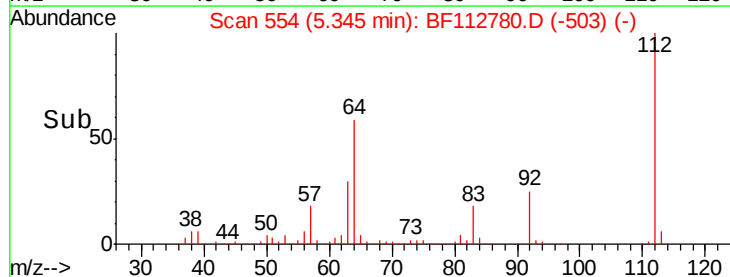
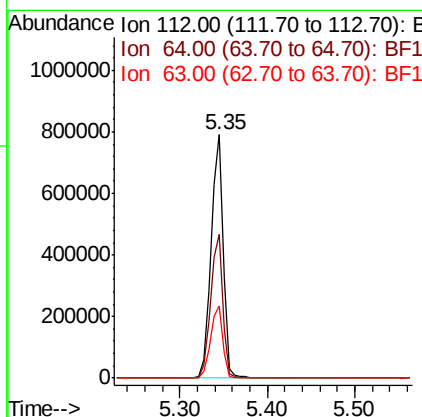
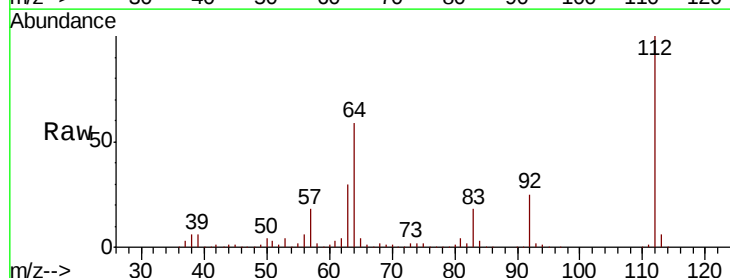
Manual Integrations
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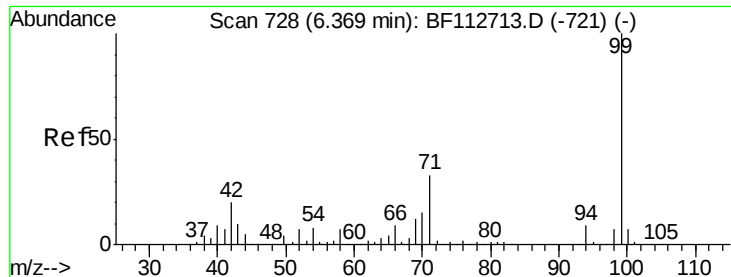
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#5
 2-Fluorophenol
 Concen: 93.232 ng
 RT: 5.35 min Scan# 554
 Delta R.T. 0.00 min
 Lab File: BF112780.D
 Acq: 1 Mar 2019 00:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	47.6	71.4
63	29.7	24.4	36.6





#7

Phenol-d6

Concen: 94.849 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF112780.D

Acq: 1 Mar 2019 00:00

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE

Tot Ion: 99 Resp: 975218

Ion Ratio Lower Upper

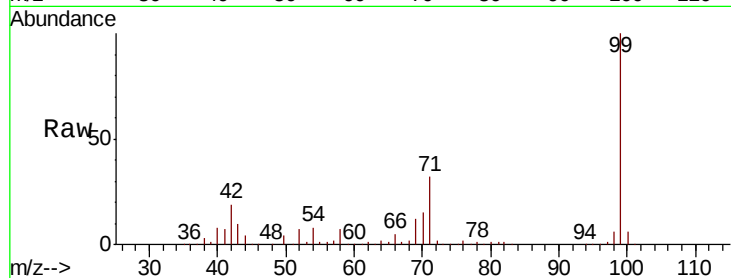
99 100

42 19.2 16.3 24.5

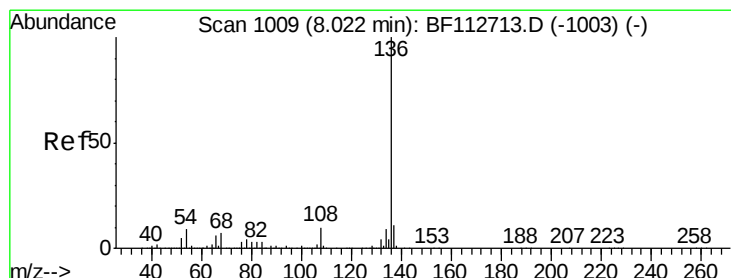
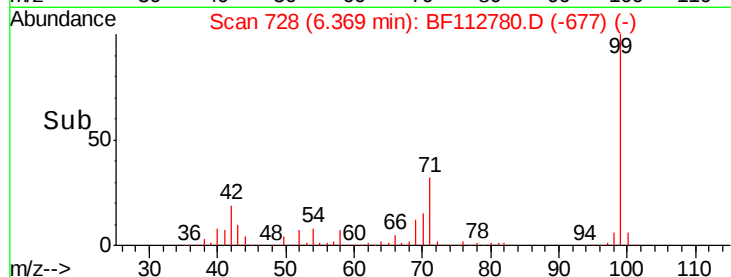
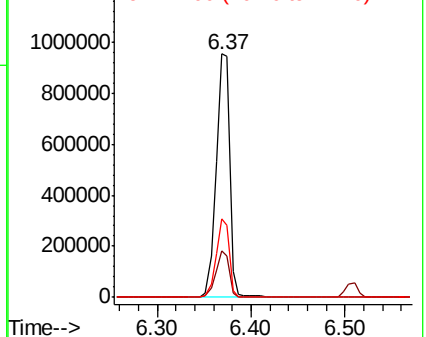
71 32.3 26.2 39.4

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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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BF112780.D

Acq: 1 Mar 2019 00:00

Tgt Ion: 136 Resp: 489496

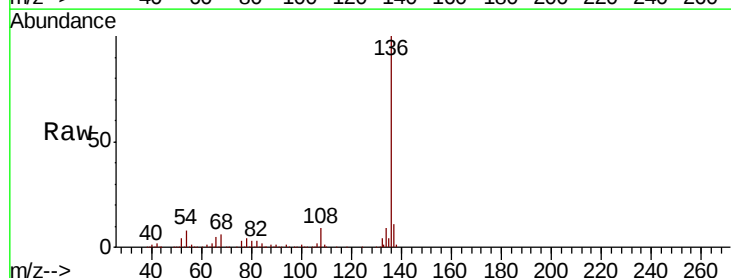
Ion Ratio Lower Upper

136 100

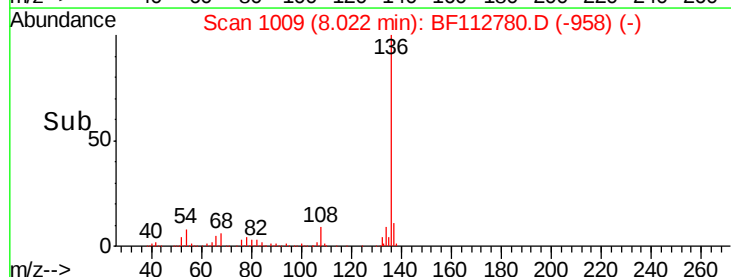
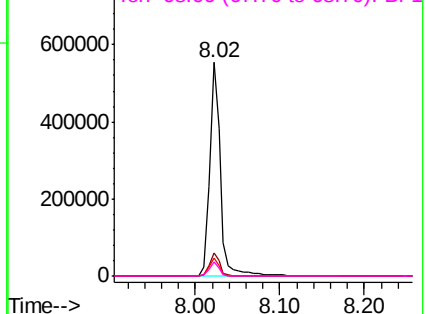
137 10.9 8.9 13.3

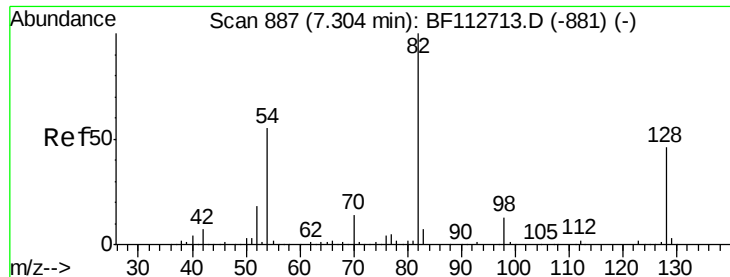
54 8.4 7.3 10.9

68 6.4 5.4 8.2



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





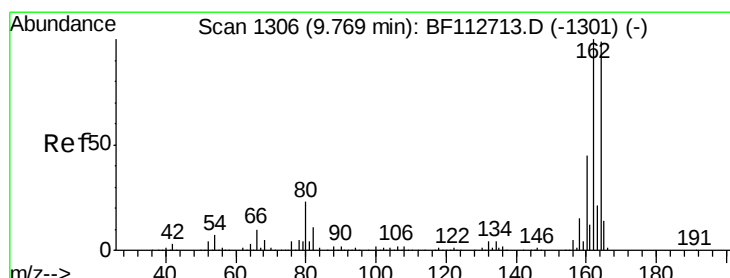
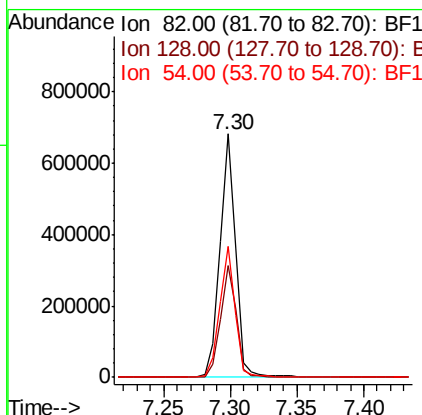
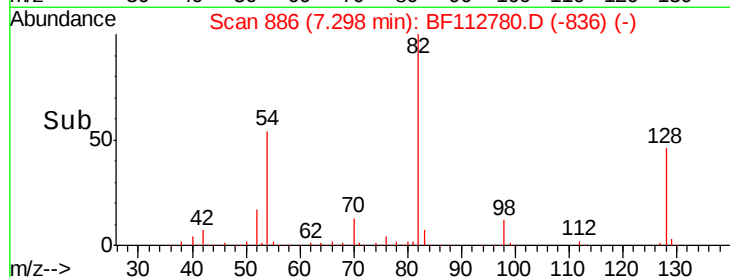
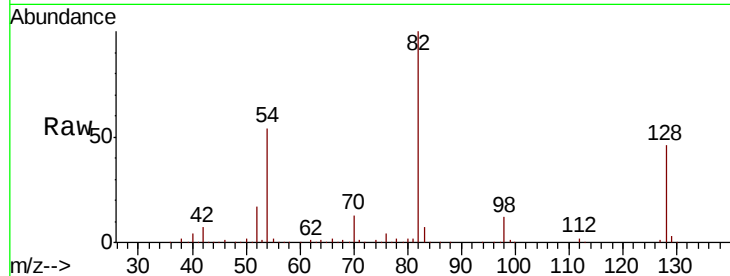
#23
Nitrobenzene-d5
Concen: 69.888 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112780.D
Acq: 1 Mar 2019 00:00

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.8	36.3	54.5
54	54.0	43.7	65.5

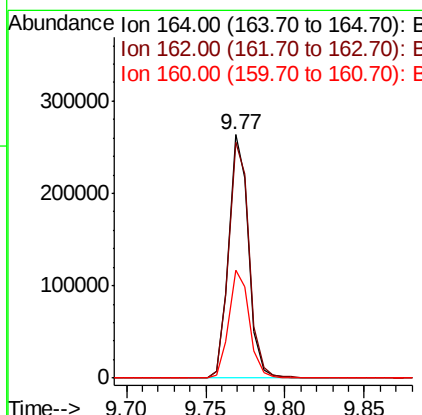
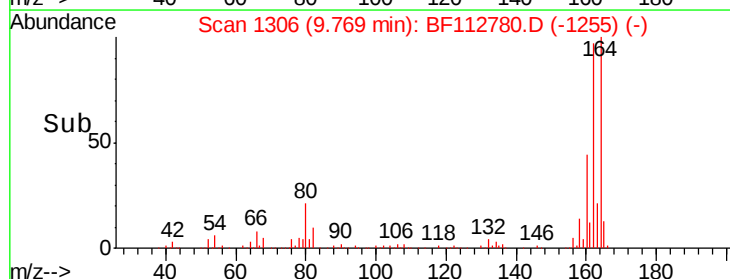
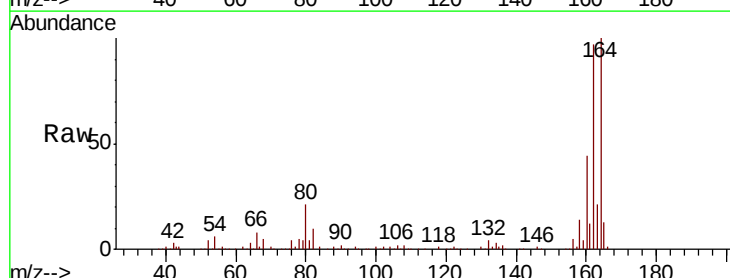
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. 0.00 min
Lab File: BF112780.D
Acq: 1 Mar 2019 00:00

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.7	80.6	120.8
160	44.4	36.0	54.0





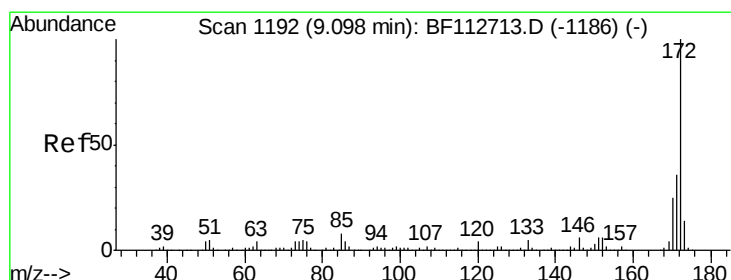
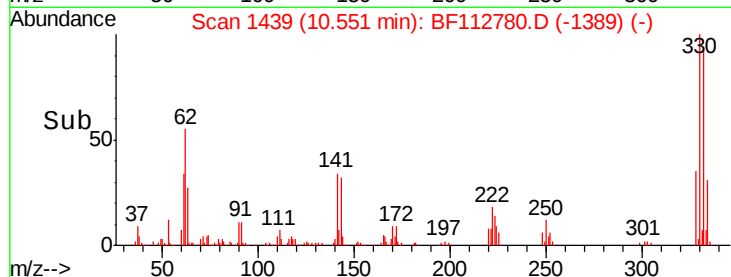
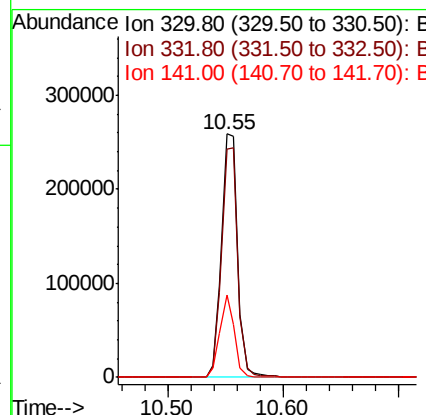
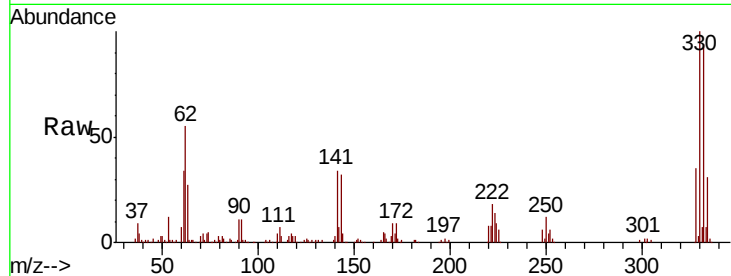
#42
 2,4,6-Tribromophenol
 Concen: 104.424 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF112780.D
 Acq: 1 Mar 2019 00:00

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE

Tot Ion	Ratio	Resp	Lower	Upper
330	100	253035		
332	94.4	76.2	114.4	
141	30.2	27.0	40.6	

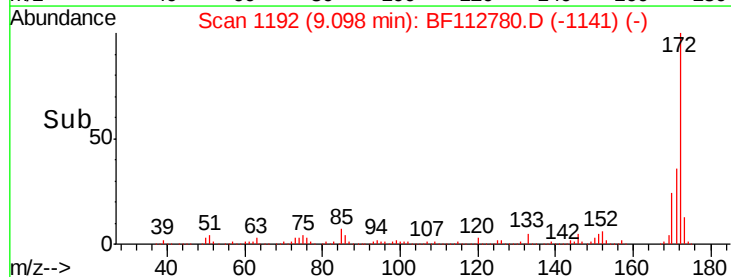
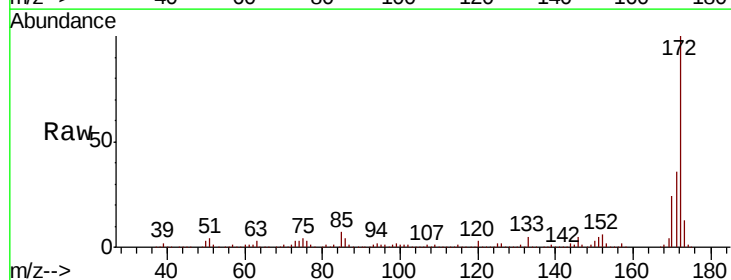
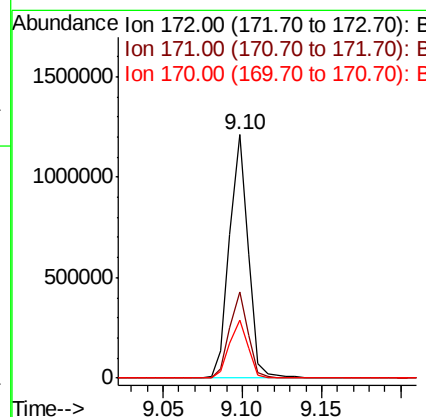
Manual Integrations
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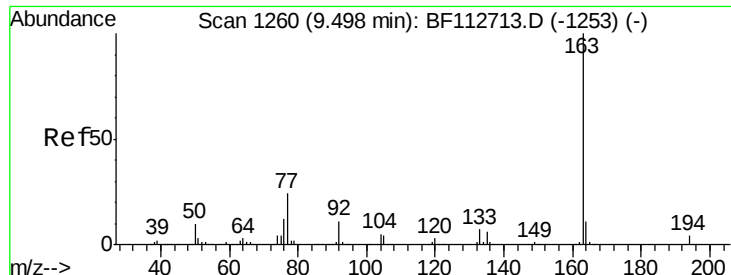
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#45
 2-Fluorobiphenyl
 Concen: 73.162 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: BF112780.D
 Acq: 1 Mar 2019 00:00

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	997489		
171	35.5	29.0	43.4	
170	23.9	20.0	30.0	





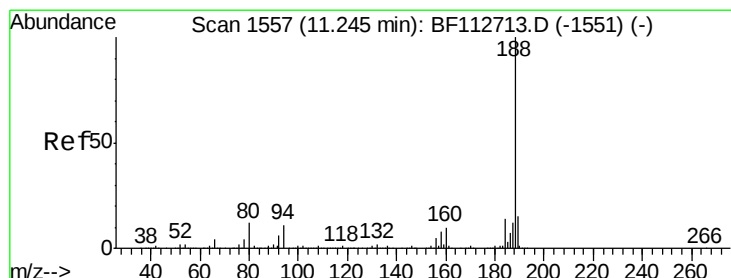
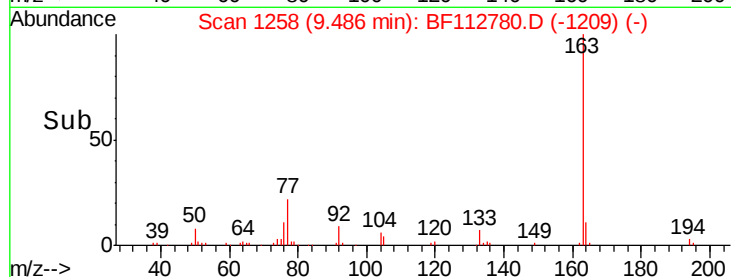
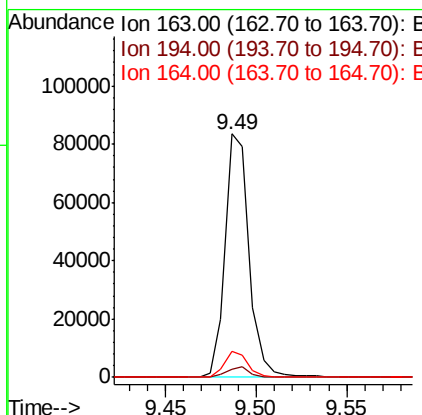
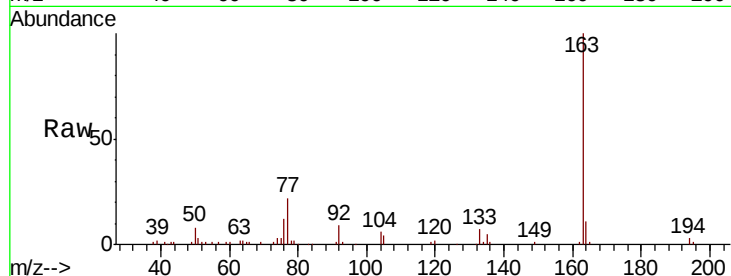
#50
Dimethylphthalate
Concen: 4.574 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF112780.D
Acq: 1 Mar 2019 00:00

Instrument :
BNA_F
ClientSampled :
SOIL-PILE

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.0	4.4
164	10.6	8.4	12.6

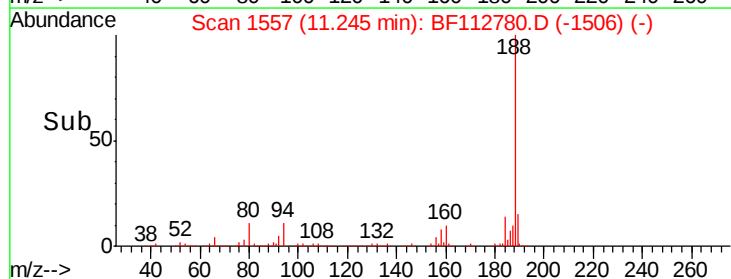
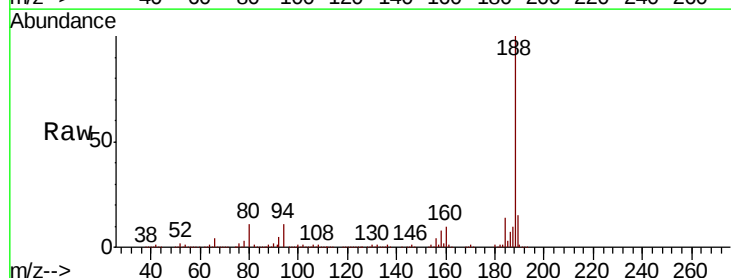
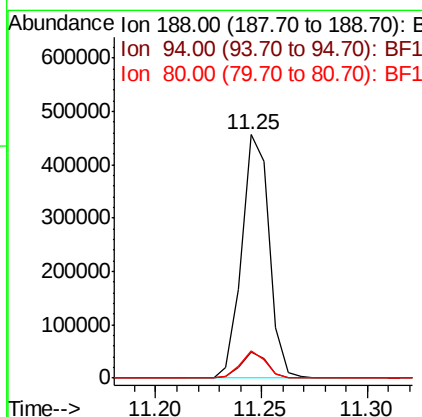
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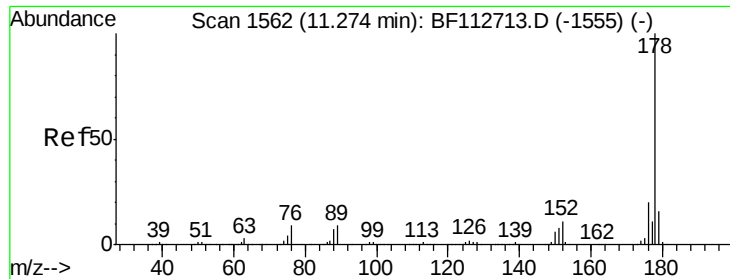
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF112780.D
Acq: 1 Mar 2019 00:00

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.8	9.0	13.4
80	11.2	9.2	13.8





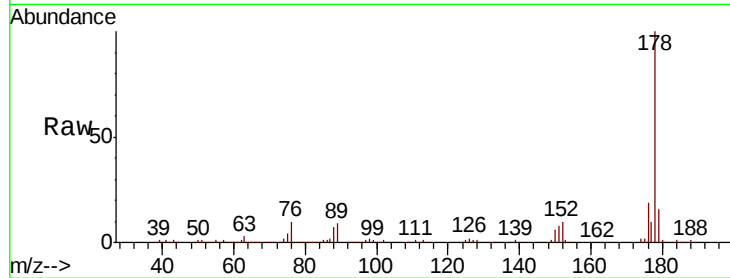
#71
Phenanthrene
Concen: 9.553 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF112780.D
Acq: 1 Mar 2019 00:00

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.3	24.5
179	15.5	12.7	19.1

Manual Integrations
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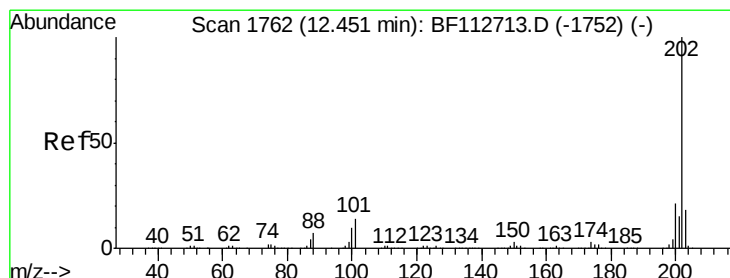
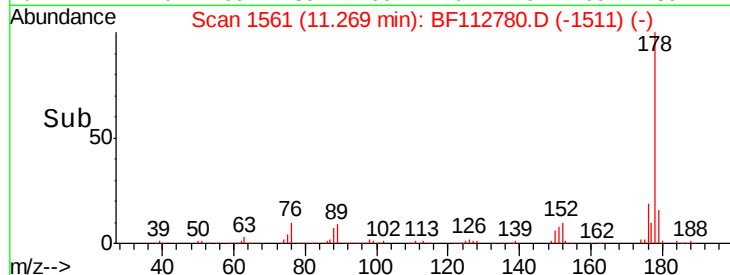
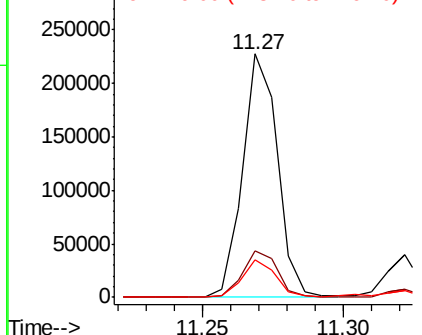


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75
Fluoranthene
Concen: 7.188 ng
RT: 12.45 min Scan# 1762
Delta R.T. 0.00 min
Lab File: BF112780.D
Acq: 1 Mar 2019 00:00

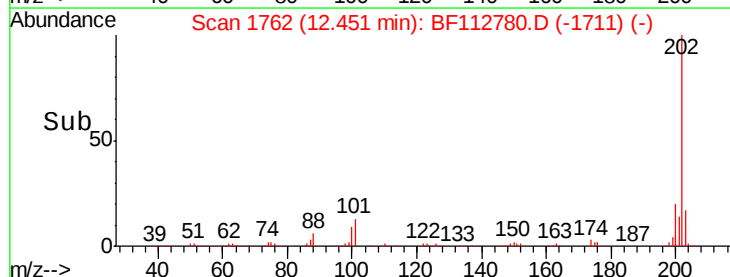
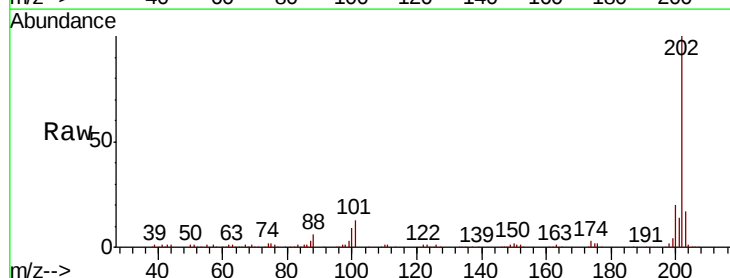
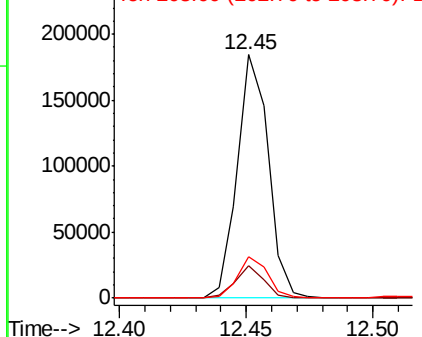
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	33.8
203	17.0	0.0	38.4

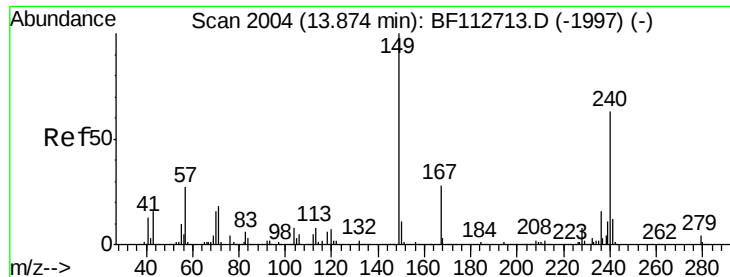
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





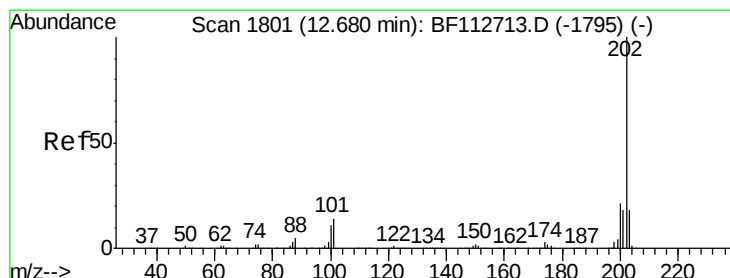
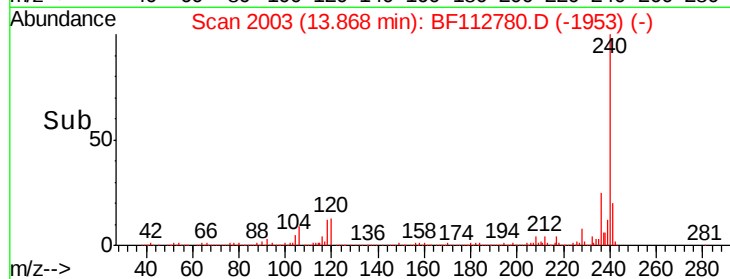
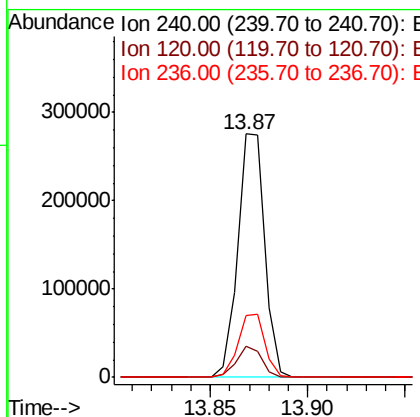
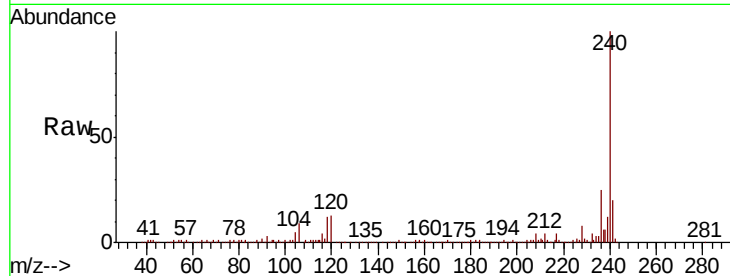
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BF112780.D
Acq: 1 Mar 2019 00:00

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.8	8.9	13.3
236	25.5	20.7	31.1

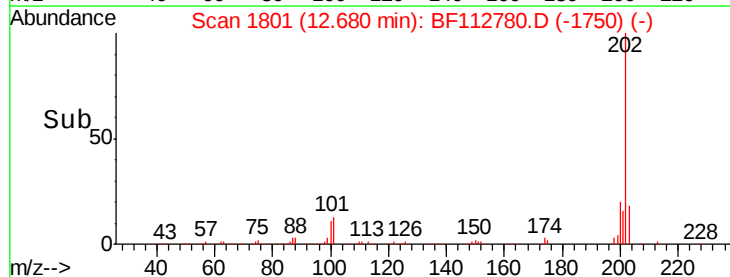
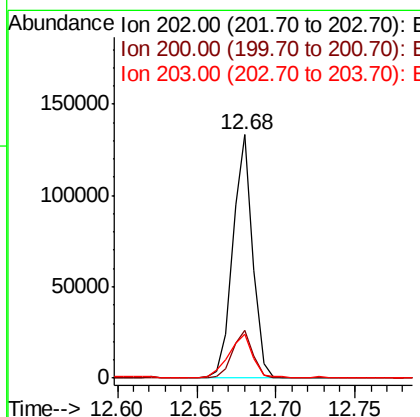
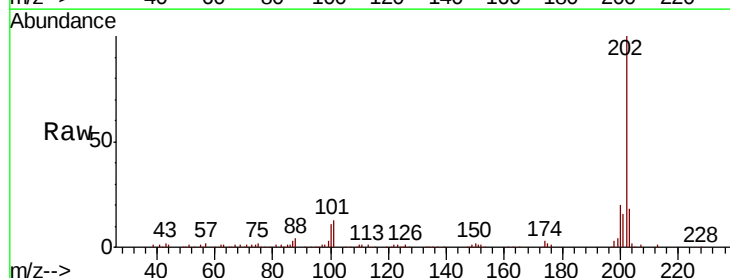
Manual Integrations
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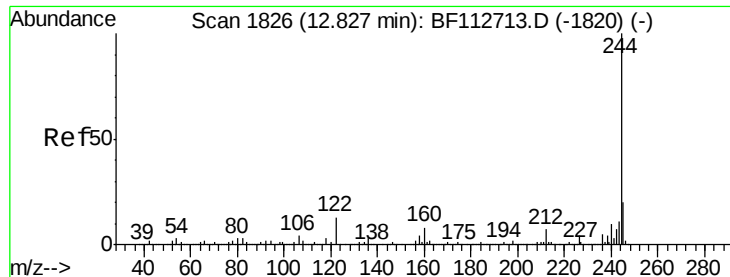
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#78
Pyrene
Concen: 5.179 ng
RT: 12.68 min Scan# 1801
Delta R.T. 0.00 min
Lab File: BF112780.D
Acq: 1 Mar 2019 00:00

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.8	17.0	25.4
203	17.8	14.4	21.6





#79

Terphenyl-d14

Concen: 59.789 ng

RT: 12.83 min Scan# 1826

Delta R.T. 0.00 min

Lab File: BF112780.D

Acq: 1 Mar 2019 00:00

Instrument :

BNA_F

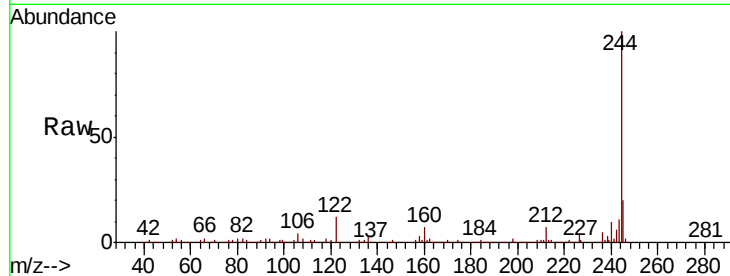
ClientSampled :

SOIL-PILE

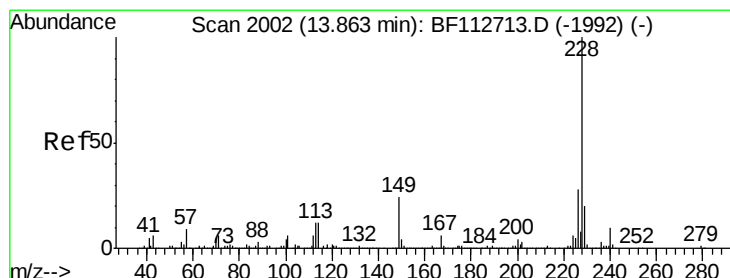
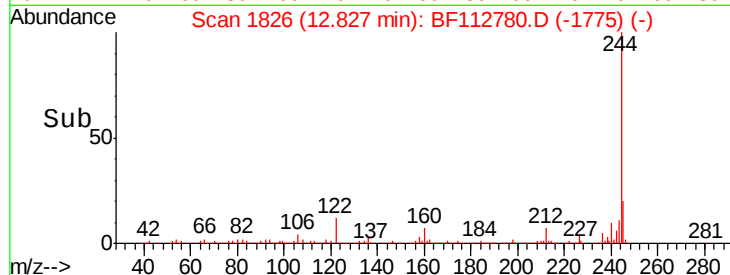
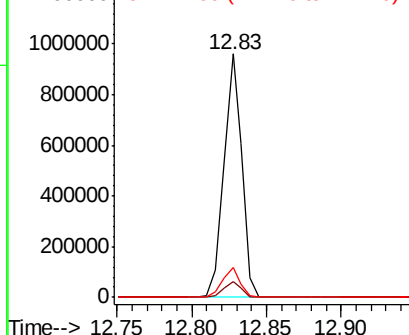
Tot Ion:	244	Resp:	815731
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.6	8.4
122	12.2	10.5	15.7

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 2.589 ng

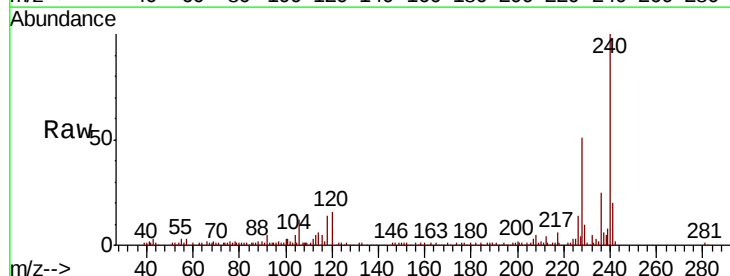
RT: 13.86 min Scan# 2002

Delta R.T. 0.00 min

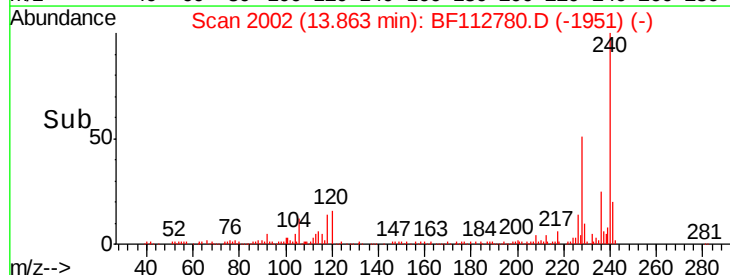
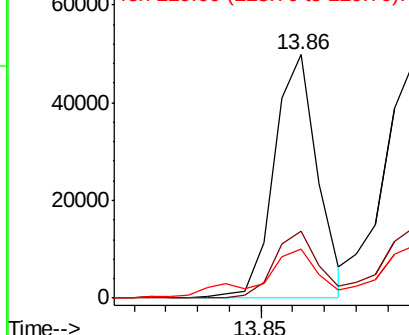
Lab File: BF112780.D

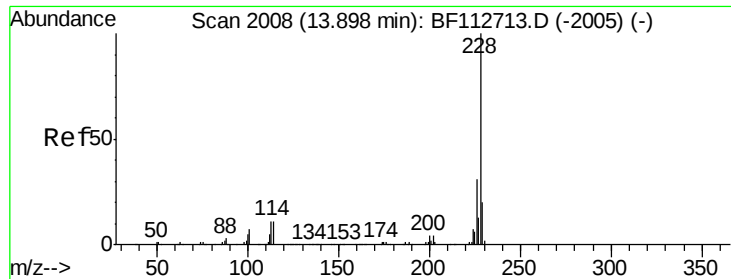
Acq: 1 Mar 2019 00:00

Tgt Ion:	228	Resp:	47453
Ion Ratio	Lower	Upper	
228	100		
226	27.6	22.2	33.4
229	19.9	16.0	24.0



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





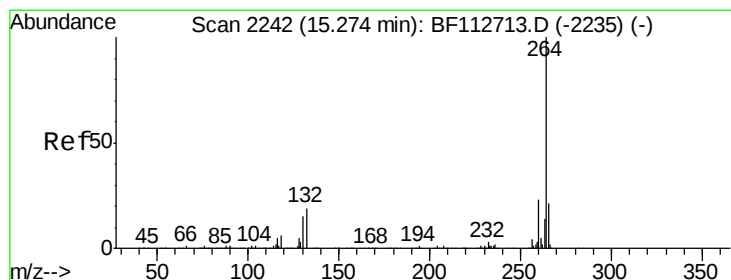
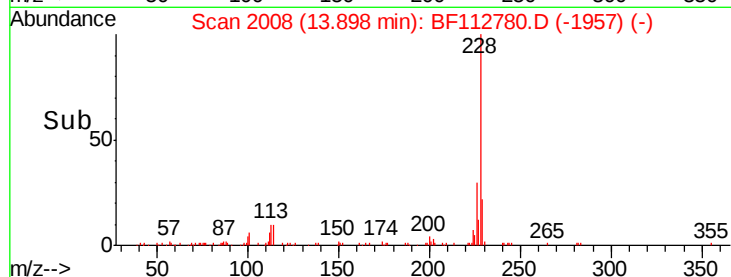
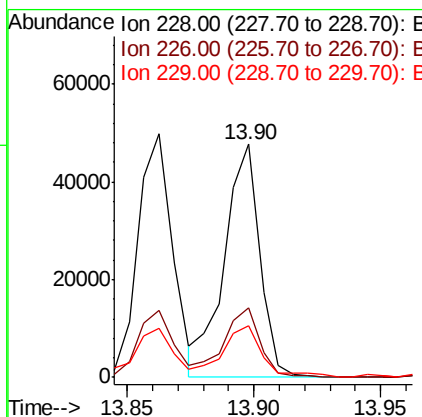
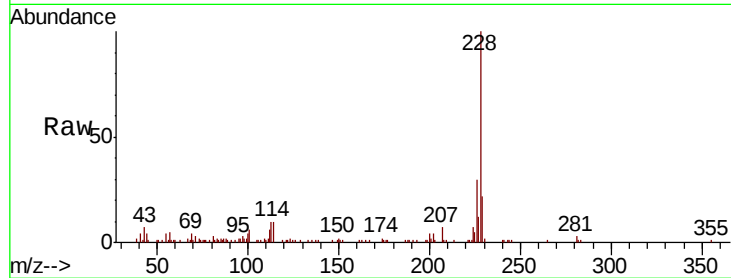
#83
Chrysene
Concen: 2.584 ng
RT: 13.90 min Scan# 2008
Delta R.T. 0.00 min
Lab File: BF112780.D
Acq: 1 Mar 2019 00:00

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.9	37.3
229	22.0	16.3	24.5

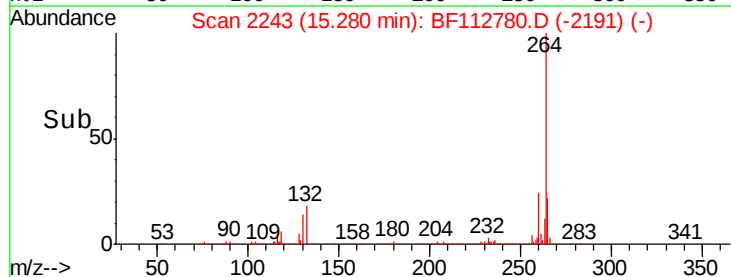
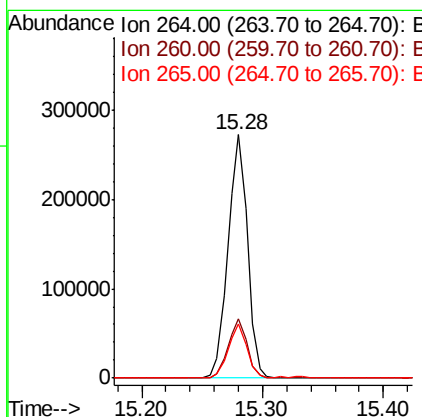
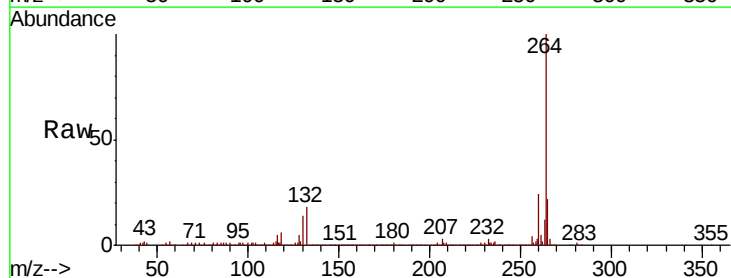
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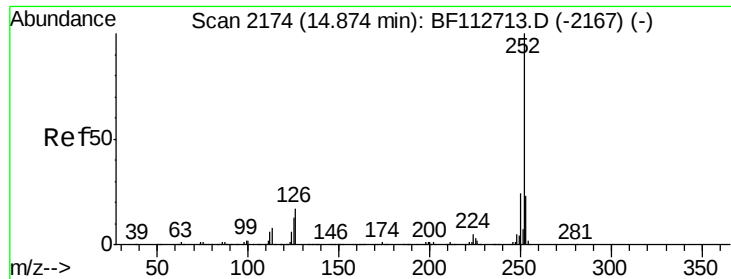
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF112780.D
Acq: 1 Mar 2019 00:00

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.7	28.1
265	22.0	17.2	25.8





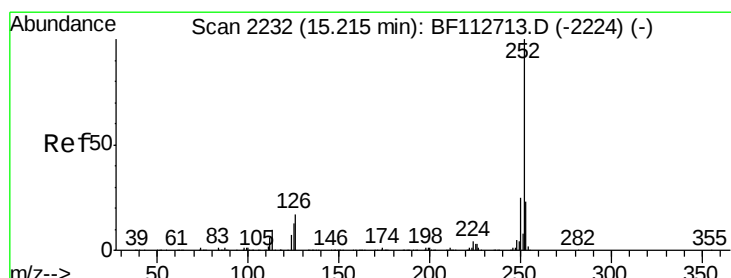
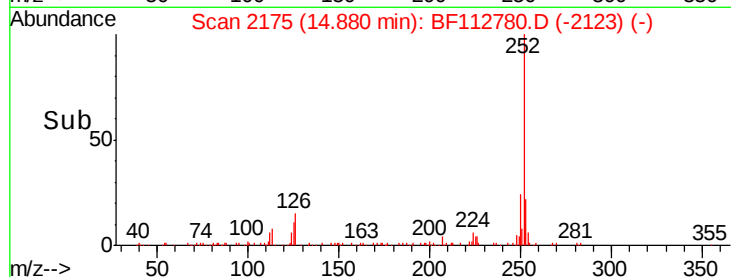
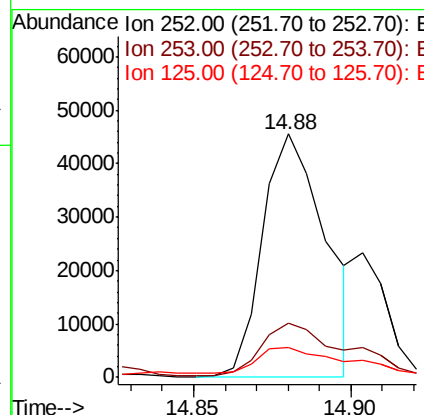
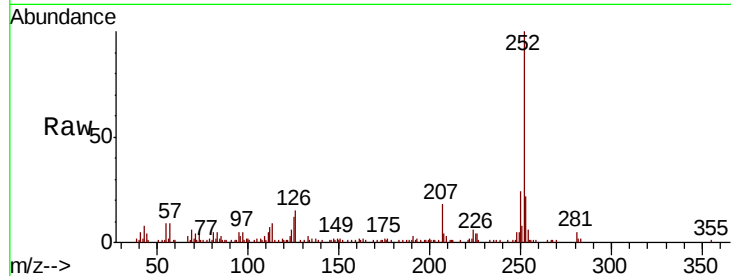
#88
Benzo(b)fluoranthene
Concen: 3.226 ng m
RT: 14.88 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BF112780.D
Acq: 1 Mar 2019 00:00

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	12.4	10.2	15.2

Manual Integrations
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#90
Benzo(a)pyrene
Concen: 2.401 ng
RT: 15.22 min Scan# 2232
Delta R.T. 0.00 min
Lab File: BF112780.D
Acq: 1 Mar 2019 00:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.0	27.0
125	14.9	10.7	16.1

