

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022719\
 Data File : BF112743.D
 Acq On : 28 Feb 2019 2:40
 Operator : JU/SJ
 Sample : K1596-02
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 COMP-14

Manual Integrations
 APPROVED

Sohil
 2/28/2019 12:47:35 PM

Quant Time: Feb 28 04:29:34 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	6.75	152	187465	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	650084	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	287758	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	588106	20.00	ng	0.00
76) Chrysene-d12	13.87	240	425625	20.00	ng	0.00
87) Perylene-d12	15.29	264	291635	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	1137317	94.37	ng	0.00
7) Phenol-d6	6.37	99	1407674	92.99	ng	0.00
23) Nitrobenzene-d5	7.30	82	805260	74.12	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	331954	108.66	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1178762	67.60	ng	0.00
79) Terphenyl-d14	12.83	244	1255230	57.17	ng	0.00
Target Compounds						
10) Phenol	6.39	94	48521	2.747	ng	91
50) Dimethylphthalate	9.49	163	112856	5.319	ng	98
71) Phenanthrene	11.27	178	201782	6.896	ng	97
72) Anthracene	11.32	178	70004	2.286	ng	98
75) Fluoranthene	12.46	202	382753	12.209	ng	96
78) Pyrene	12.68	202	352331	9.819	ng	98
81) Benzo(a)anthracene	13.86	228	154866	5.250	ng	92
83) Chrysene	13.90	228	139000m	4.811	ng	
86) Indeno(1,2,3-cd)pyrene	16.64	276	82689m	3.357	ng	
88) Benzo(b)fluoranthene	14.89	252	177932m	9.432	ng	
89) Benzo(k)fluoranthene	14.91	252	53954m	3.158	ng	
90) Benzo(a)pyrene	15.23	252	115405	6.917	ng	# 92
92) Benzo(a,h,i)perylene	17.06	276	81860	5.726	ng	# 94

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

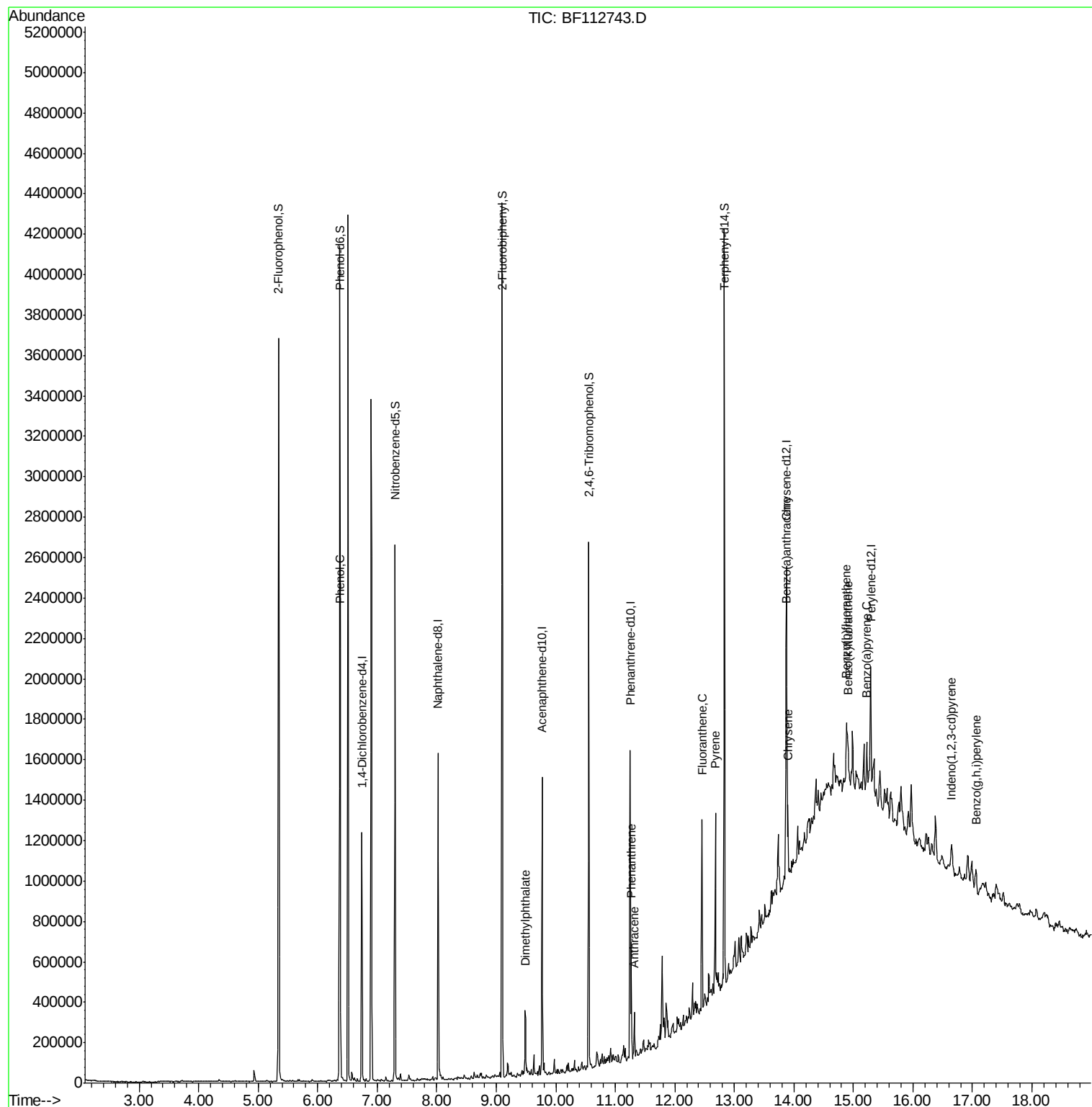
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022719\
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ALS Vial : 26 Sample Multiplier: 1

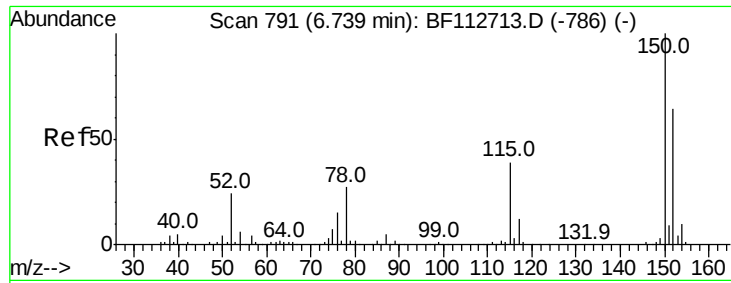
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#1

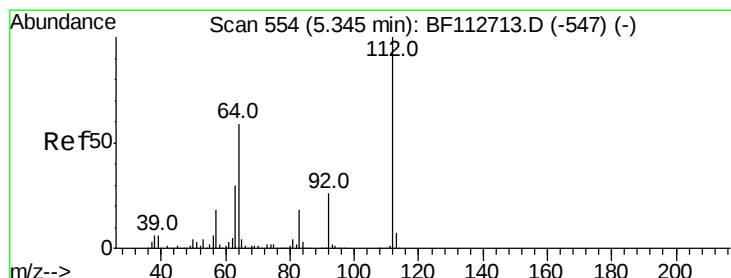
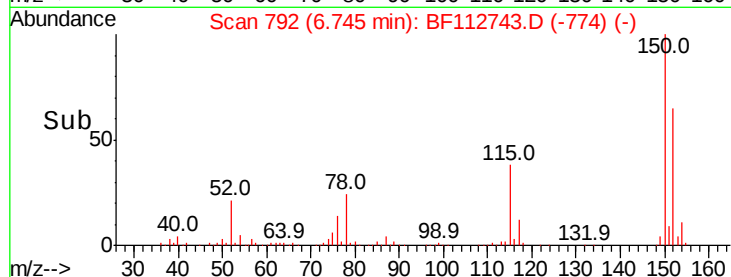
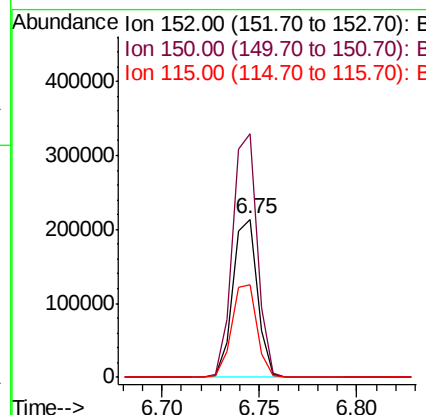
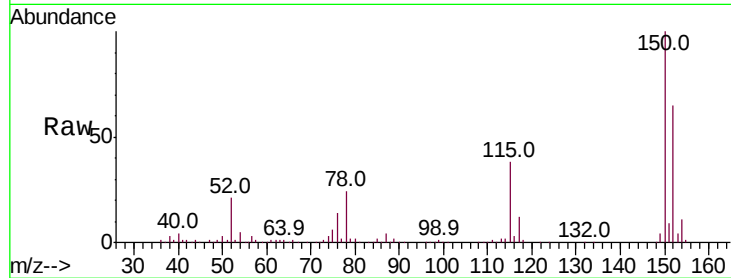
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF112743.D
Acq: 28 Feb 2019 2:40

Instrument :
BNA_F
ClientSampleId :
COMP-14

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	124.2	186.2
115	58.5	48.2	72.4

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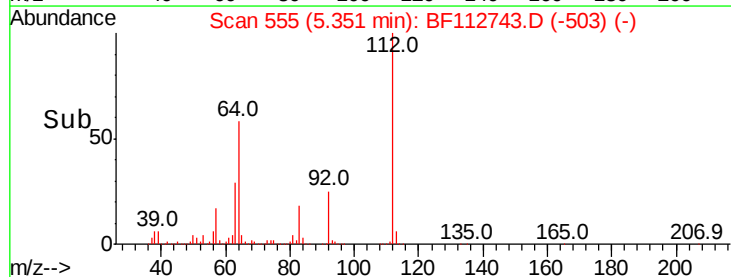
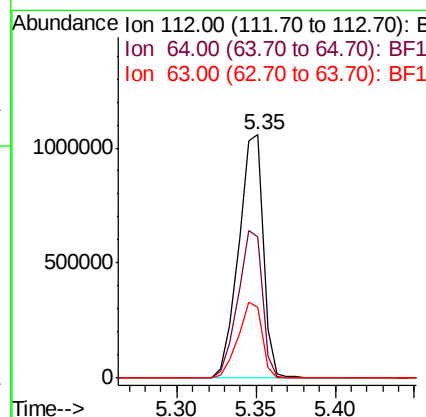
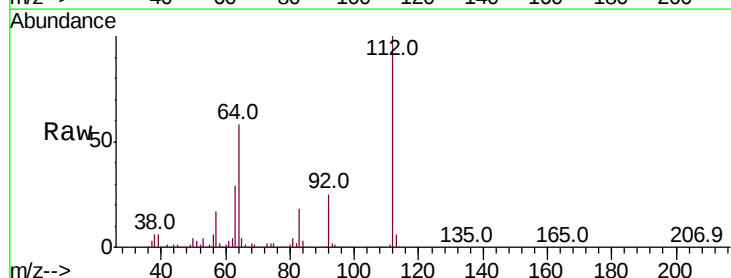
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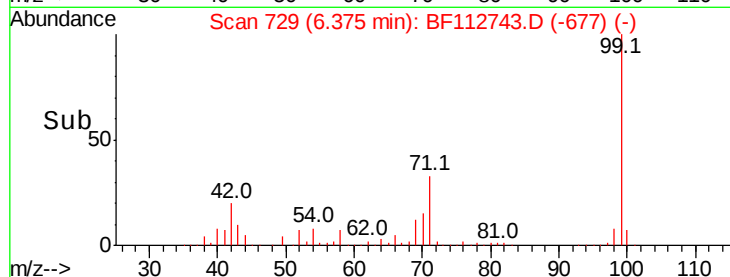
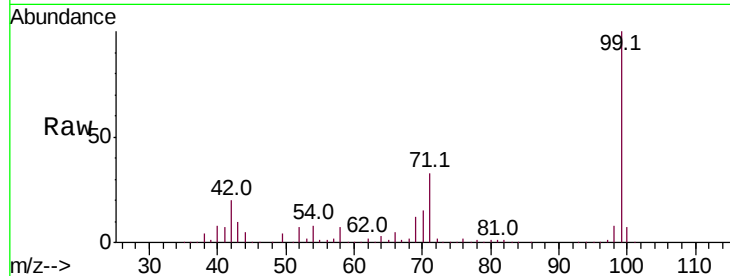
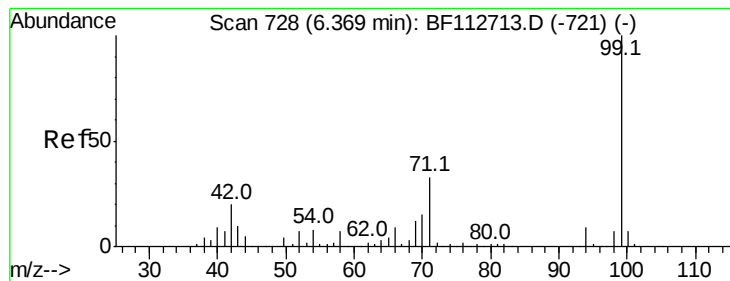


#5

2-Fluorophenol
Concen: 94.372 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF112743.D
Acq: 28 Feb 2019 2:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	47.6	71.4
63	29.3	24.4	36.6





#7

Phenol-d6

Concen: 92.986 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF112743.D

Acq: 28 Feb 2019 2:40

Tot Ion: 99 Resp: 1407674

Ion Ratio Lower Upper

99 100

42 19.7 16.3 24.5

71 33.1 26.2 39.4

Instrument :

BNA_F

ClientSampleId :

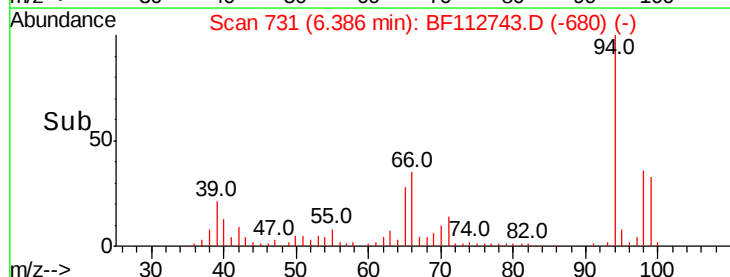
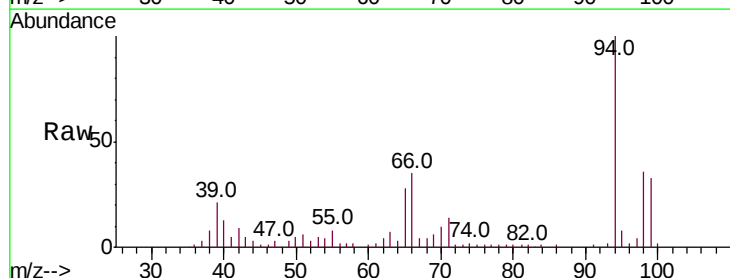
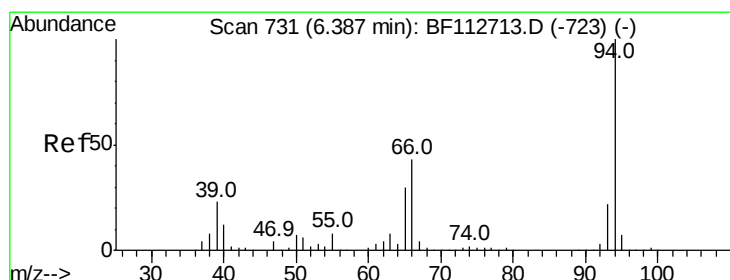
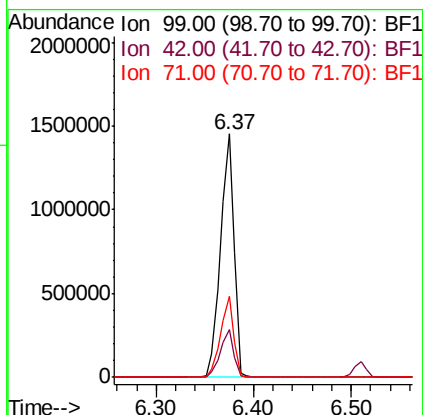
COMP-14

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#10

Phenol

Concen: 2.747 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.00 min

Lab File: BF112743.D

Acq: 28 Feb 2019 2:40

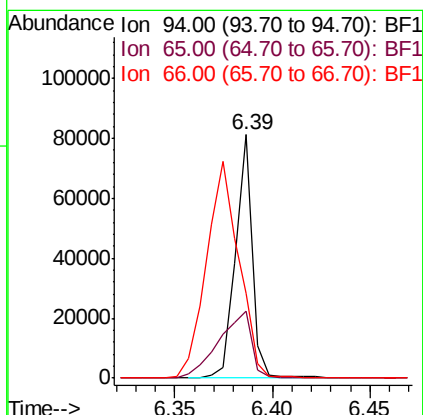
Tgt Ion: 94 Resp: 48521

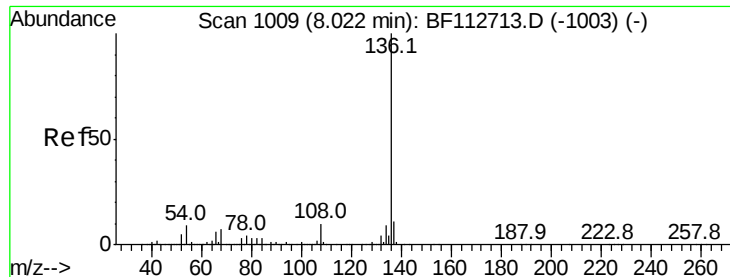
Ion Ratio Lower Upper

94 100

65 27.5 10.5 50.5

66 35.0 22.6 62.6





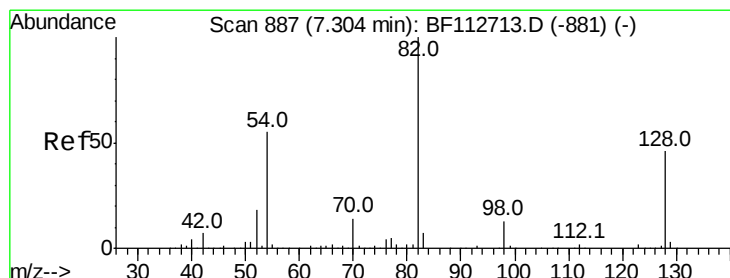
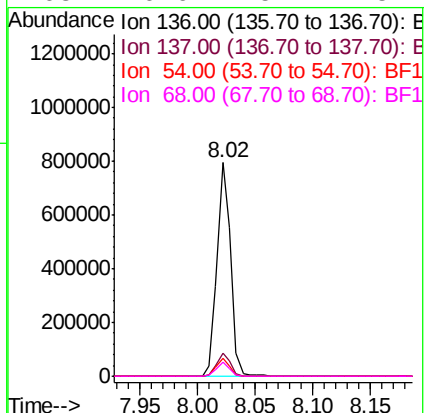
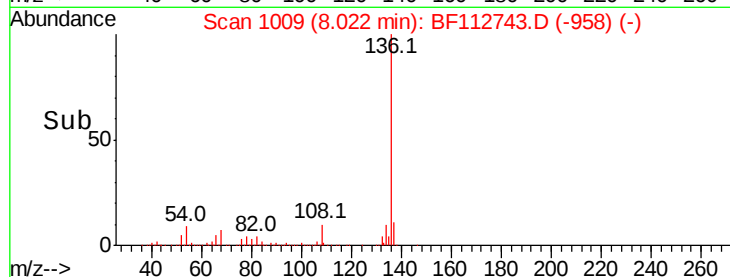
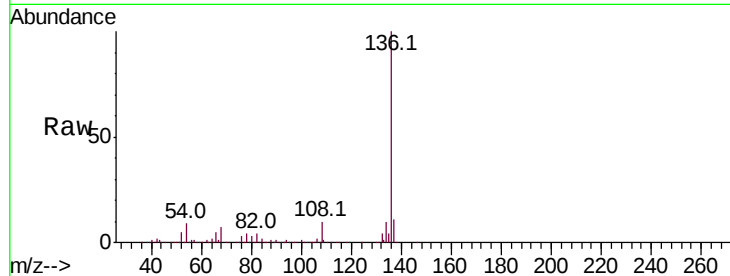
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BF112743.D
Acq: 28 Feb 2019 2:40

Instrument :
BNA_F
ClientSampleId :
COMP-14

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.9	13.3	
54	8.7	7.3	10.9	
68	6.6	5.4	8.2	

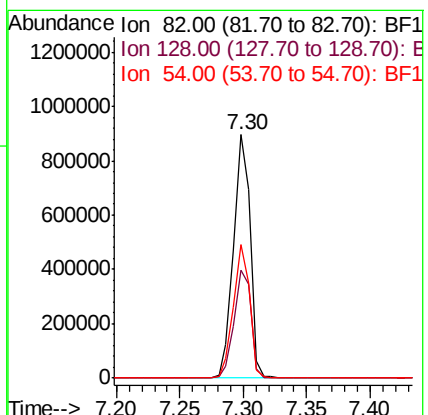
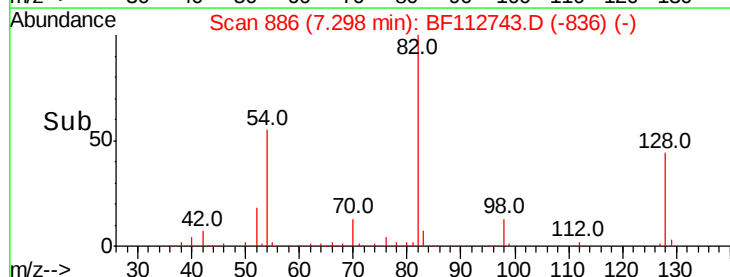
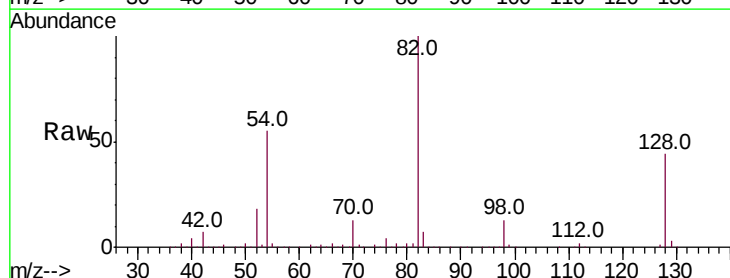
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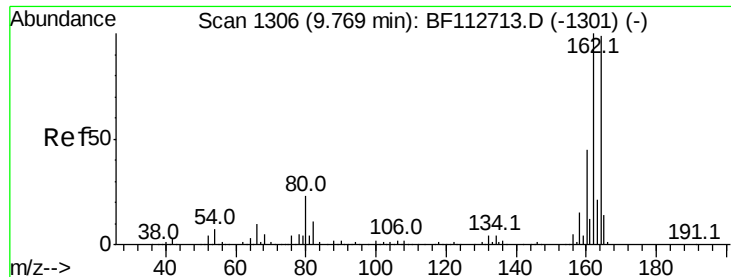
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#23
Nitrobenzene-d5
Concen: 74.121 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112743.D
Acq: 28 Feb 2019 2:40

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.1	36.3	54.5	
54	54.8	43.7	65.5	





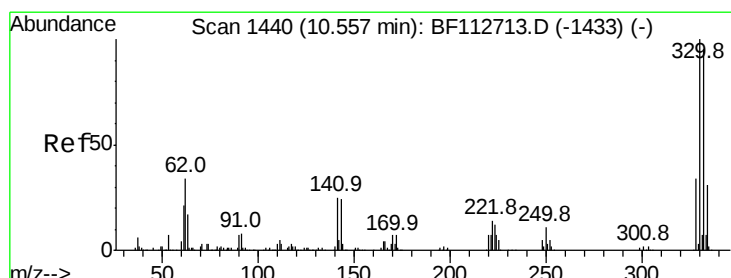
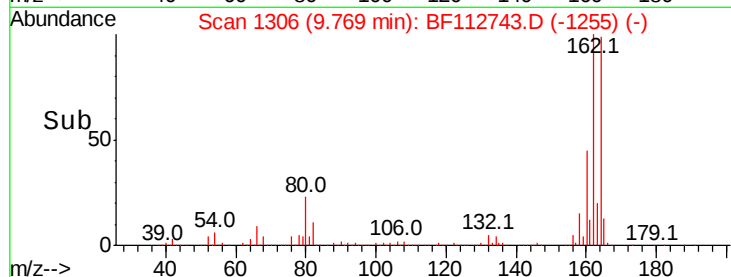
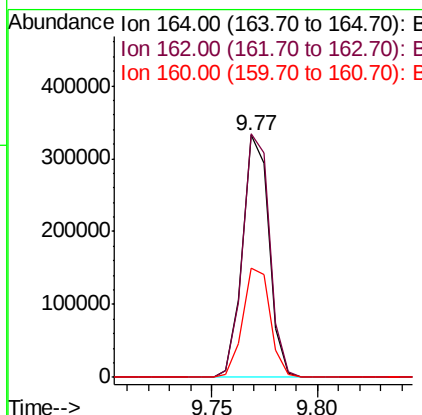
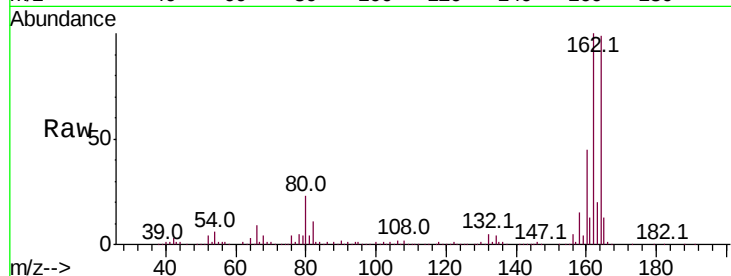
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.00 min
 Lab File: BF112743.D
 Acq: 28 Feb 2019 2:40

Instrument :
 BNA_F
 ClientSampleId :
 COMP-14

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.6	80.6	120.8
160	45.0	36.0	54.0

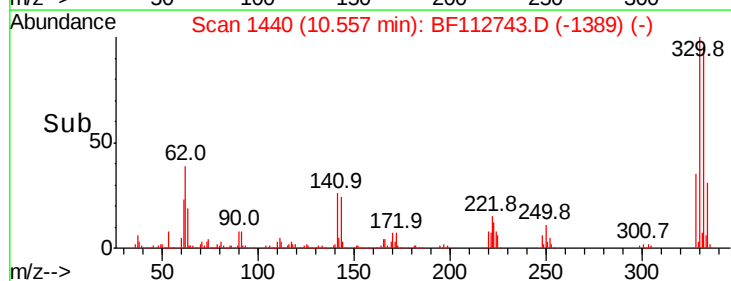
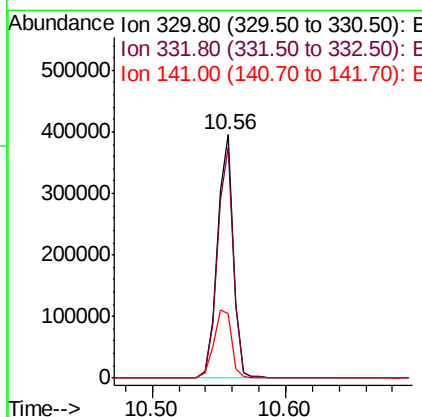
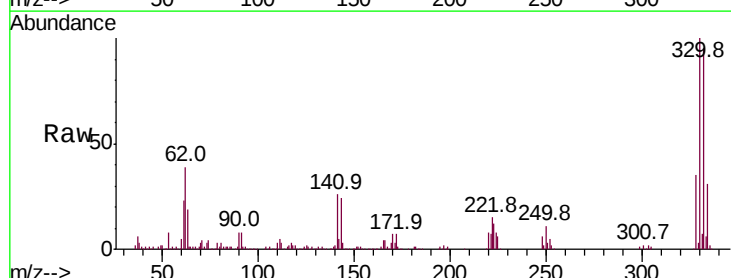
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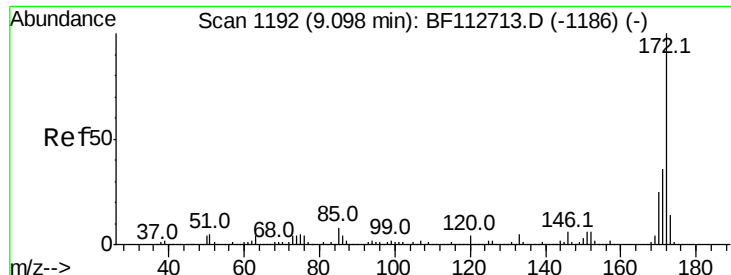
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#42
 2,4,6-Tribromophenol
 Concen: 108.662 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: BF112743.D
 Acq: 28 Feb 2019 2:40

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.2	114.4
141	31.7	27.0	40.6





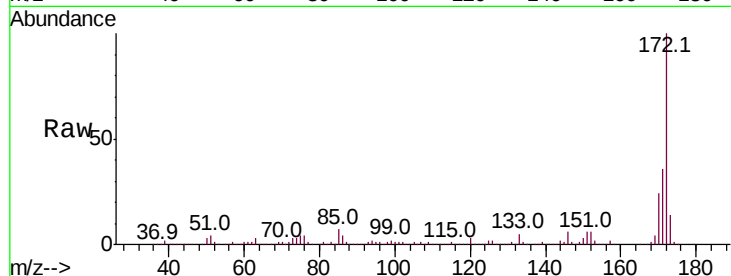
#45
2-Fluorobiphenyl
Concen: 67.600 ng
RT: 9.10 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BF112743.D
Acq: 28 Feb 2019 2:40

Instrument :
BNA_F
ClientSampleId :
COMP-14

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.0	43.4
170	24.2	20.0	30.0

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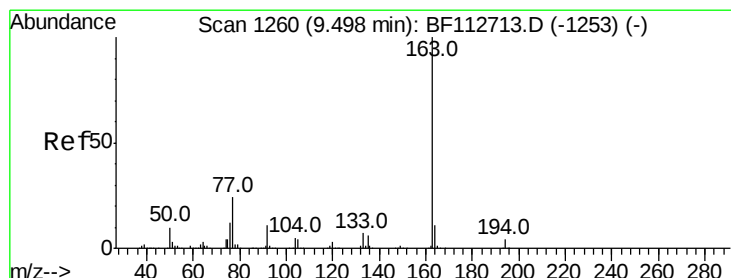
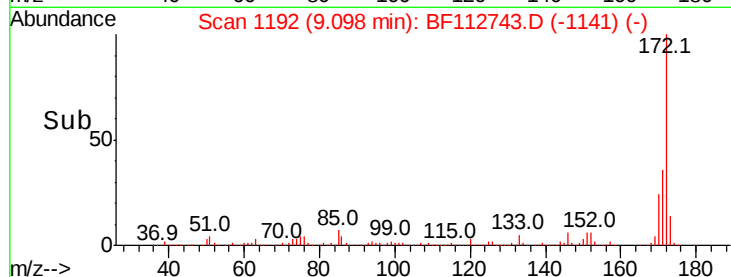
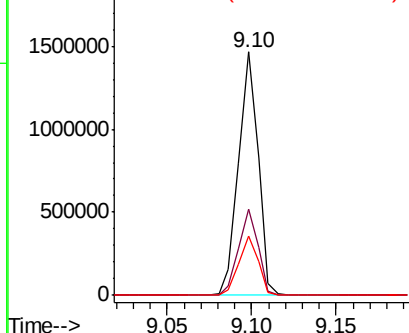


Abundance

Ion 172.00 (171.70 to 172.70): E

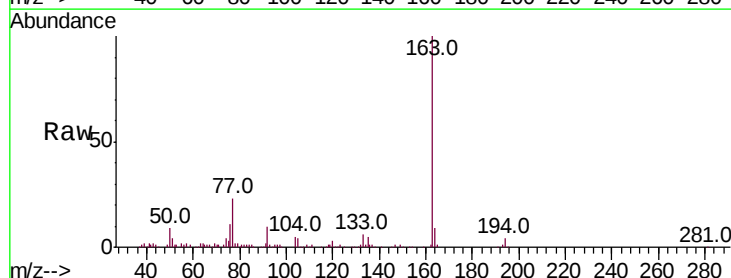
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 5.319 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF112743.D
Acq: 28 Feb 2019 2:40

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.4
164	9.4	8.4	12.6

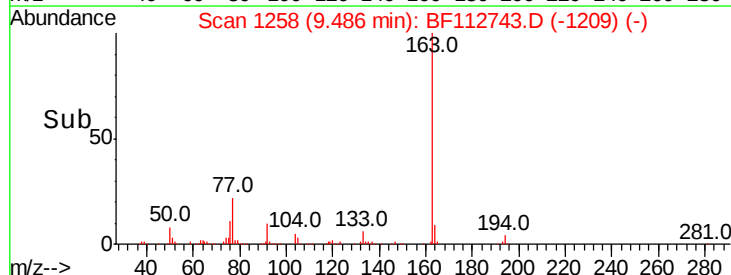
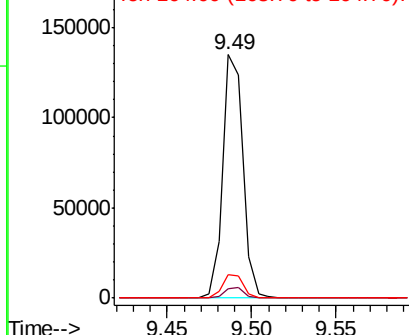


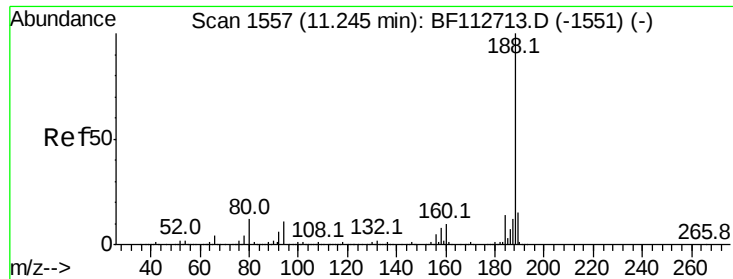
Abundance

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: BF112743.D

Acq: 28 Feb 2019 2:40

Instrument :

BNA_F

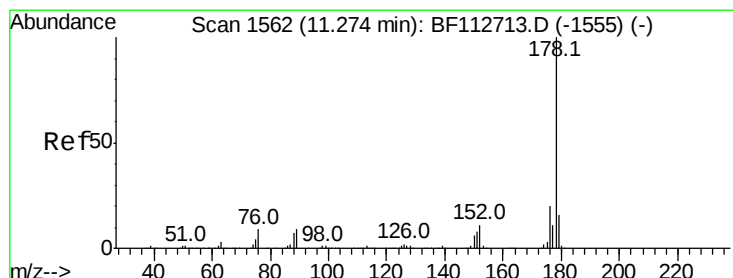
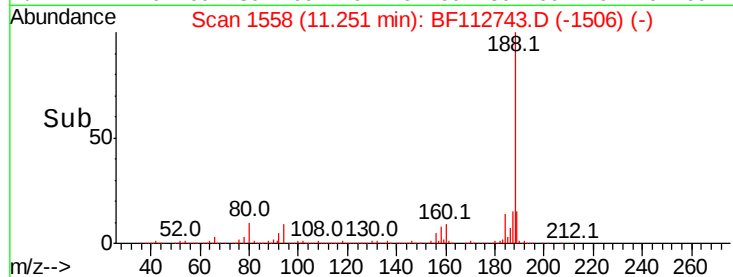
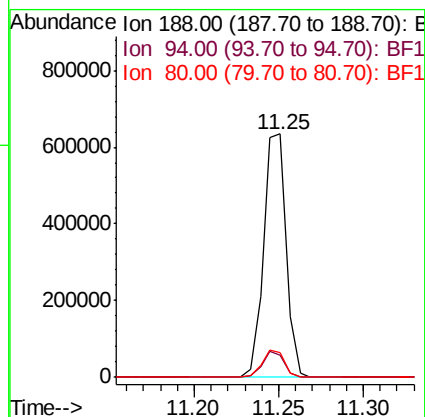
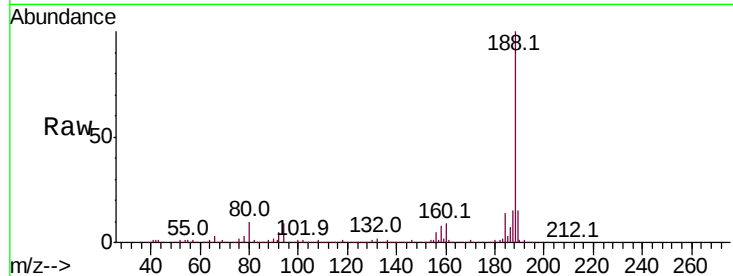
ClientSampleId :

COMP-14

Tot Ion:	188	Resp:	588106
Ion Ratio	Lower	Upper	
188	100		
94	9.3	9.0	13.4
80	10.0	9.2	13.8

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#71

Phenanthrene

Concen: 6.896 ng

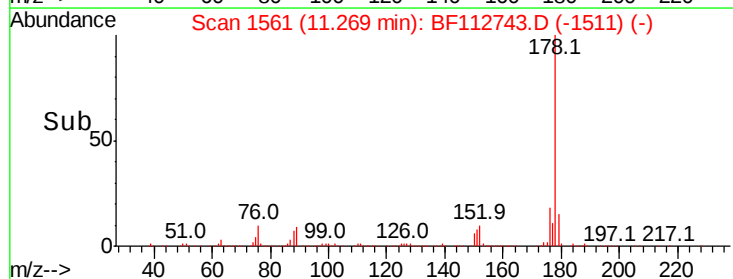
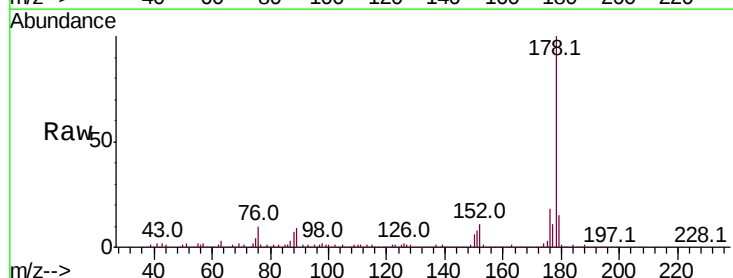
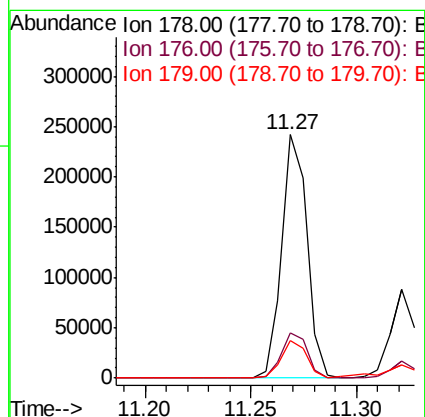
RT: 11.27 min Scan# 1561

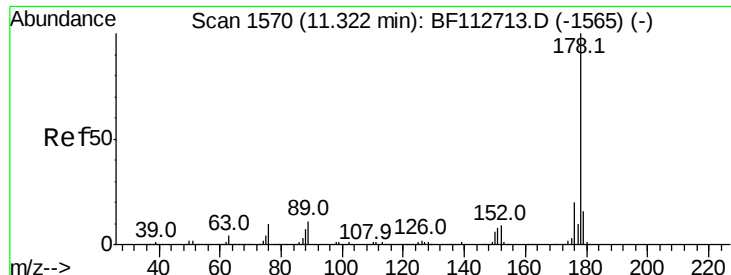
Delta R.T. -0.01 min

Lab File: BF112743.D

Acq: 28 Feb 2019 2:40

Tgt Ion:	178	Resp:	201782
Ion Ratio	Lower	Upper	
178	100		
176	18.4	16.3	24.5
179	15.3	12.7	19.1





#72

Anthracene

Concen: 2.286 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.00 min

Lab File: BF112743.D

Acq: 28 Feb 2019 2:40

Instrument :

BNA_F

ClientSampleId :

COMP-14

Tot Ion:178 Resp: 70004

Ion Ratio Lower Upper

178 100

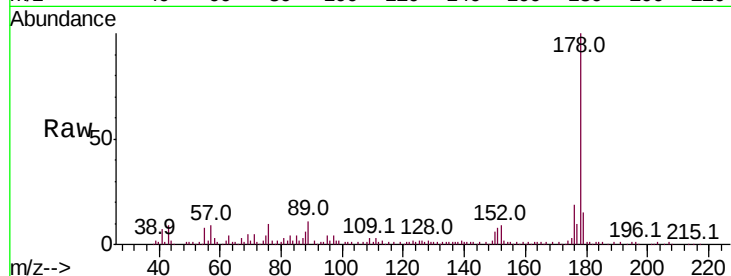
176 18.8 15.8 23.6

179 15.4 13.0 19.6

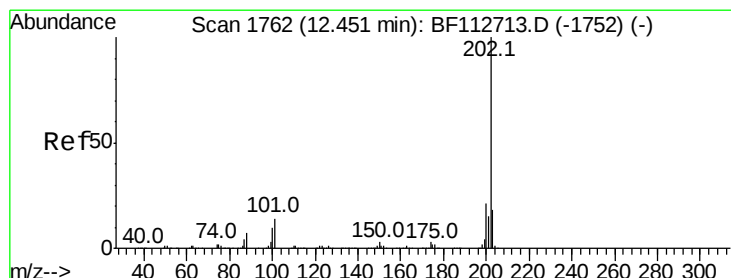
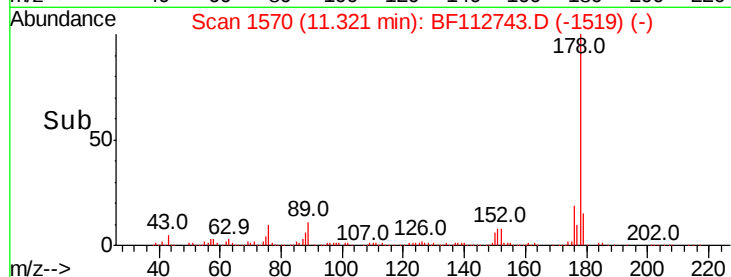
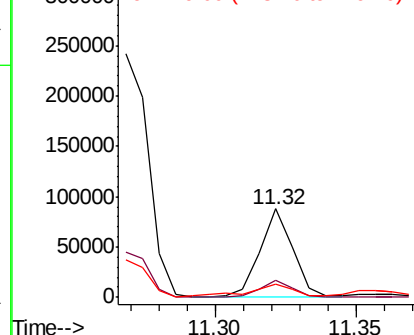
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 12.209 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF112743.D

Acq: 28 Feb 2019 2:40

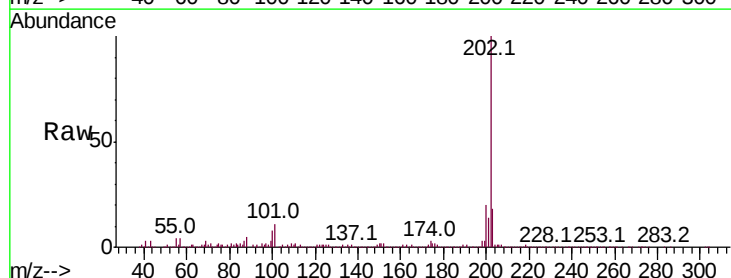
Tgt Ion:202 Resp: 382753

Ion Ratio Lower Upper

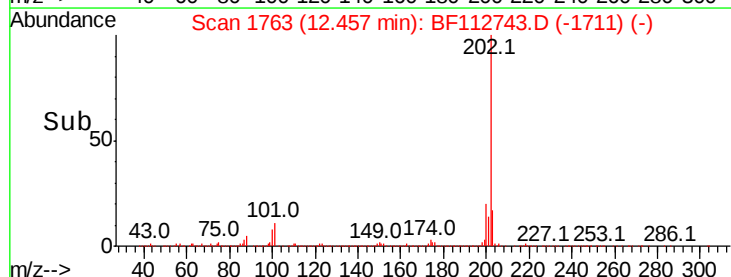
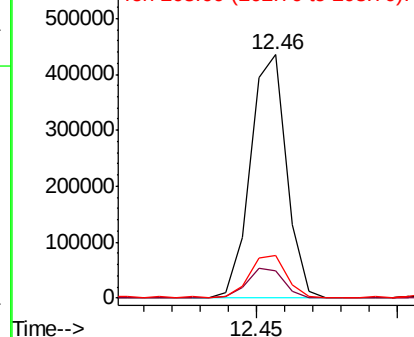
202 100

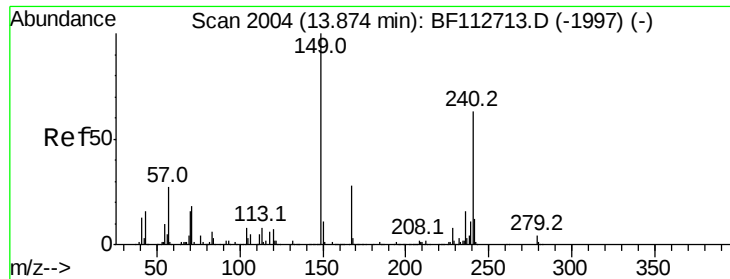
101 11.0 0.0 33.8

203 17.5 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





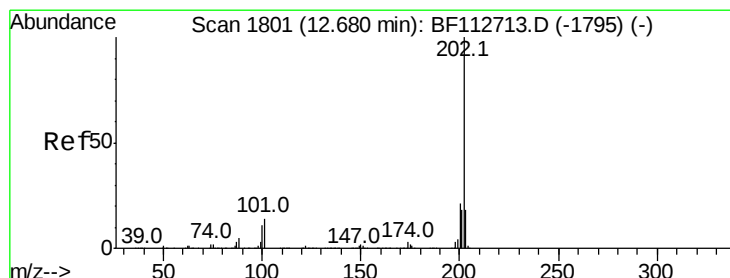
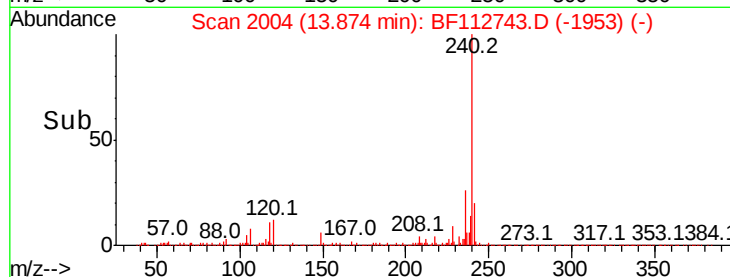
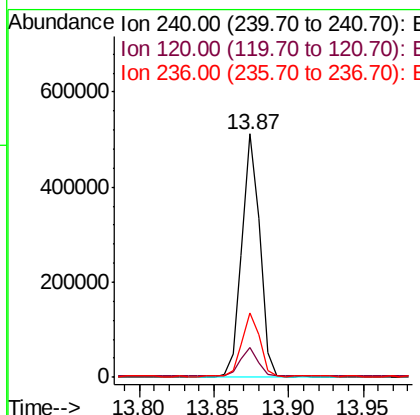
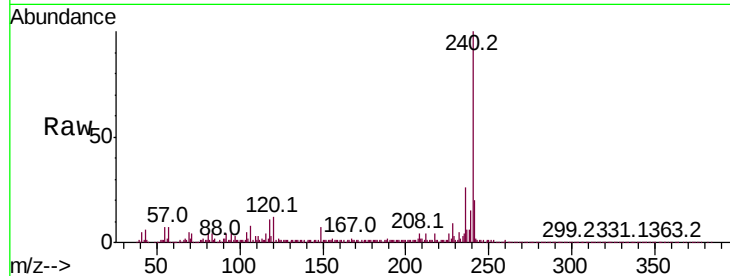
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.00 min
Lab File: BF112743.D
Acq: 28 Feb 2019 2:40

Instrument :
BNA_F
ClientSampleId :
COMP-14

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	12.4	8.9	13.3
236	26.5	20.7	31.1

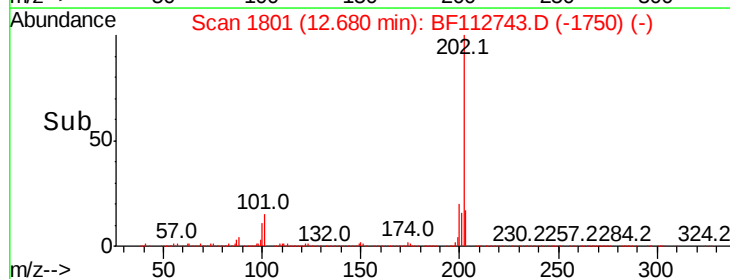
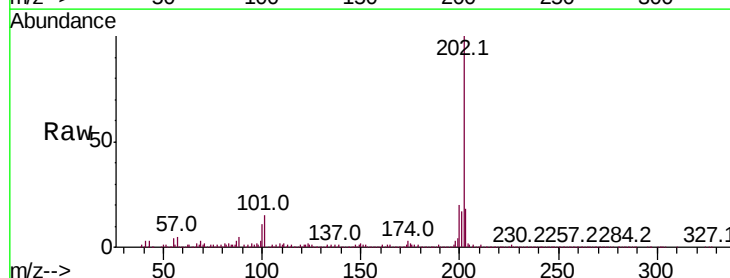
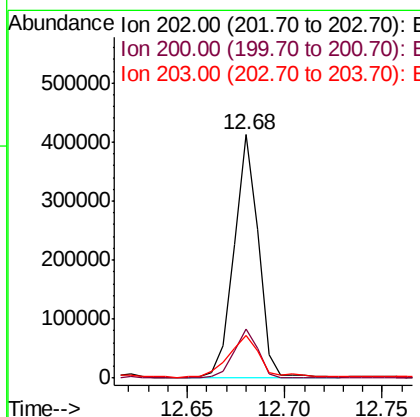
Manual Integrations
APPROVED

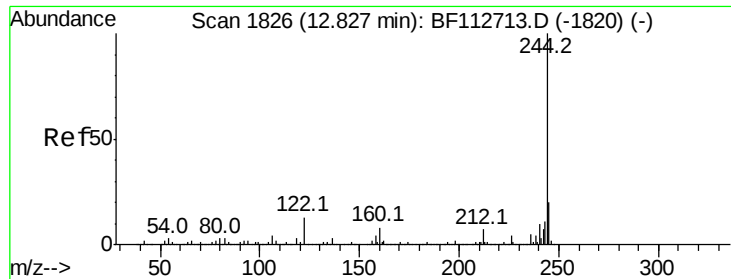
Sohil
2/28/2019 12:47:35 PM



#78
Pyrene
Concen: 9.819 ng
RT: 12.68 min Scan# 1801
Delta R.T. -0.00 min
Lab File: BF112743.D
Acq: 28 Feb 2019 2:40

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	20.1	17.0	25.4
203	17.7	14.4	21.6





#79

Terphenyl-d14

Concen: 57.169 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.01 min

Lab File: BF112743.D

Acq: 28 Feb 2019 2:40

Instrument :

BNA_F

ClientSampleId :

COMP-14

Tot Ion:244 Resp: 1255230

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

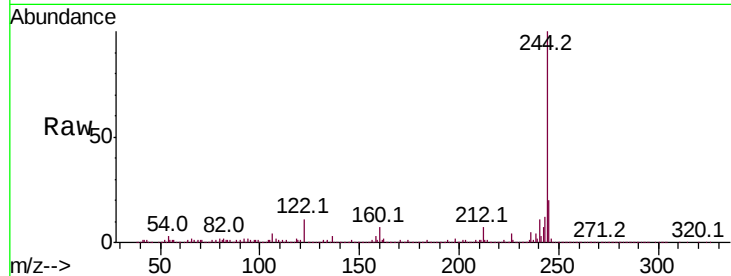
122 11.3 10.5 15.7

Manual Integrations

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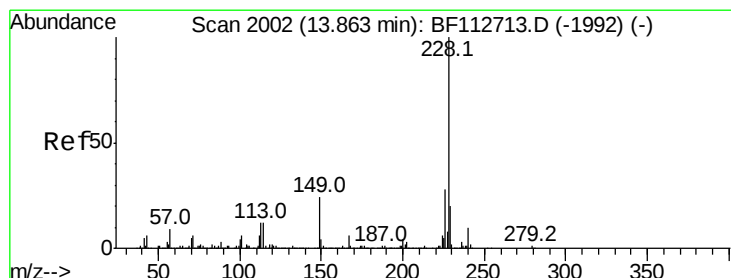
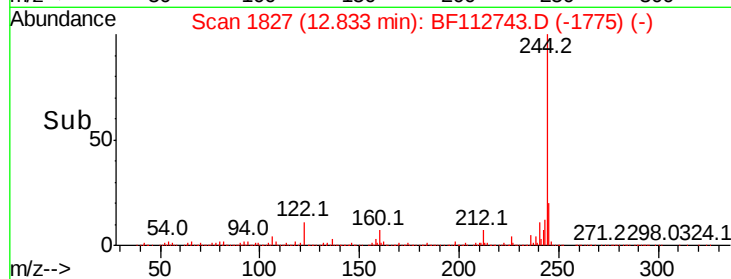
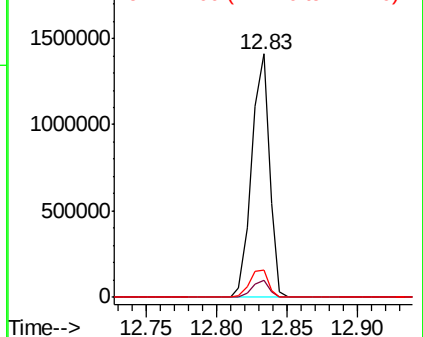
2/28/2019 12:47:35 PM



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: 5.250 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.00 min

Lab File: BF112743.D

Acq: 28 Feb 2019 2:40

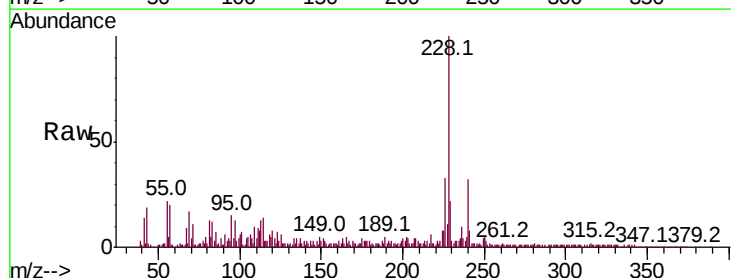
Tgt Ion:228 Resp: 154866

Ion Ratio Lower Upper

228 100

226 33.0 22.2 33.4

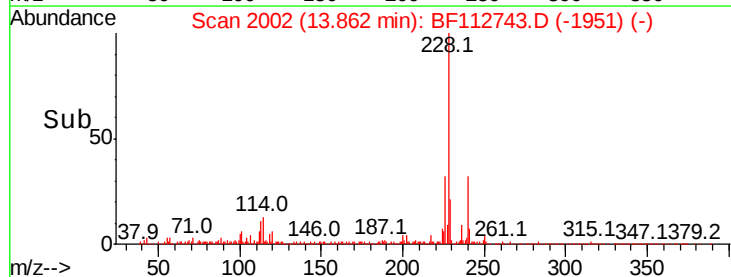
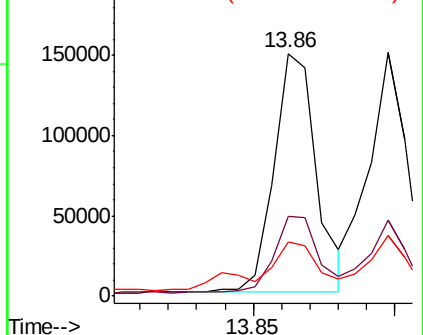
229 22.3 16.0 24.0

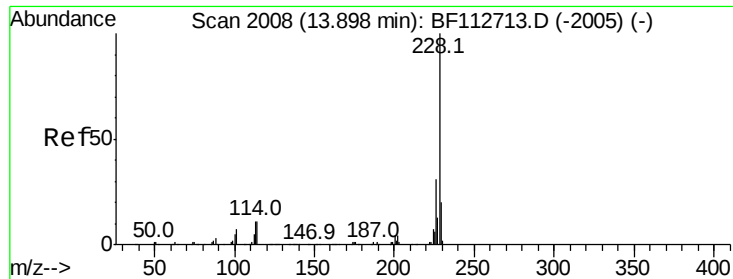


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





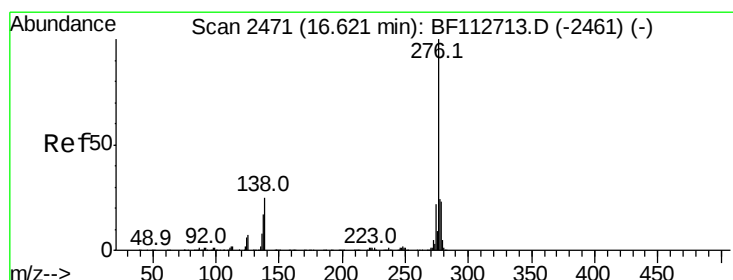
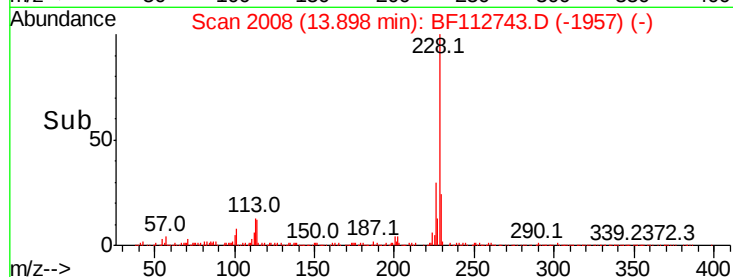
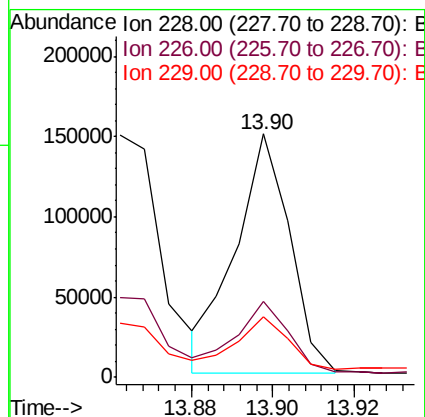
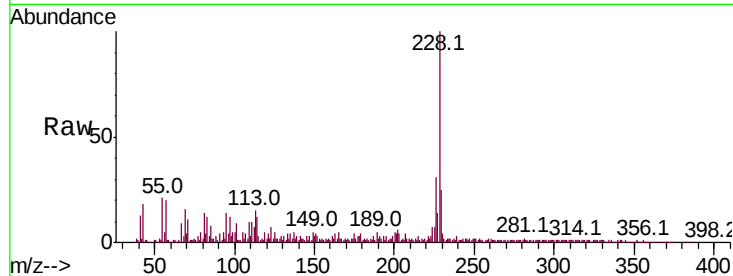
#83
Chrysene
Concen: 4.811 ng m
RT: 13.90 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BF112743.D
Acq: 28 Feb 2019 2:40

Instrument :
BNA_F
ClientSampleId :
COMP-14

Tot Ion:	228	Resp:	139000
Ion Ratio	Lower	Upper	
228	100		
226	31.1	24.9	37.3
229	25.0	16.3	24.5#

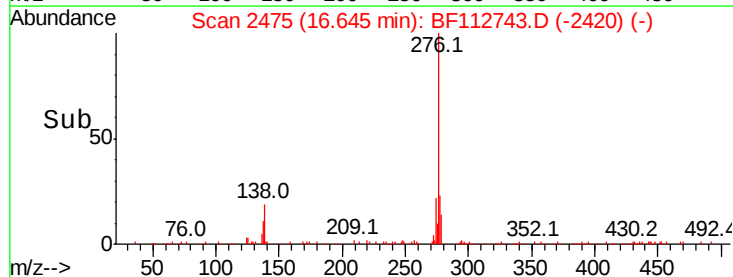
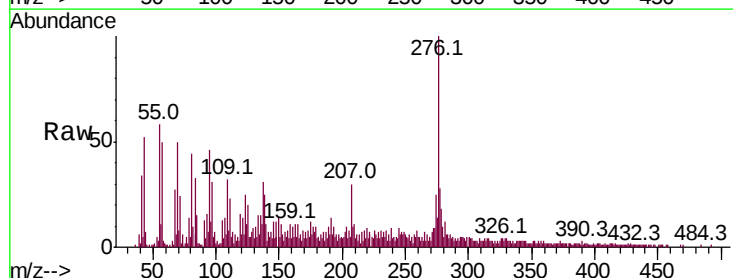
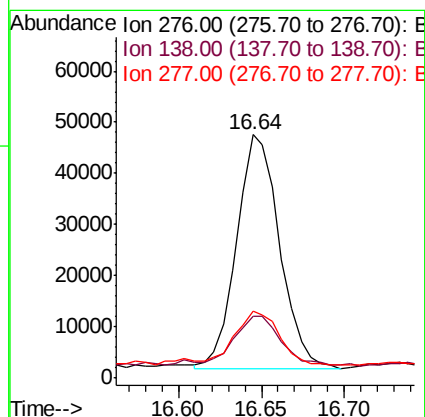
Manual Integrations
APPROVED

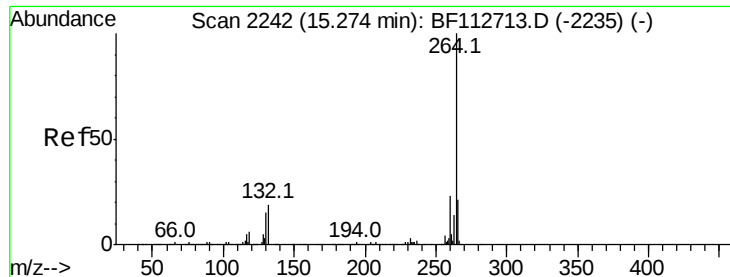
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 3.357 ng m
RT: 16.64 min Scan# 2475
Delta R.T. 0.02 min
Lab File: BF112743.D
Acq: 28 Feb 2019 2:40

Tgt Ion:	276	Resp:	82689
Ion Ratio	Lower	Upper	
276	100		
138	6.3	23.2	34.8#
277	4.7	19.9	29.9#





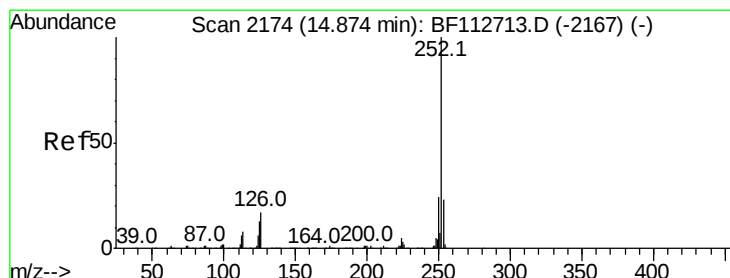
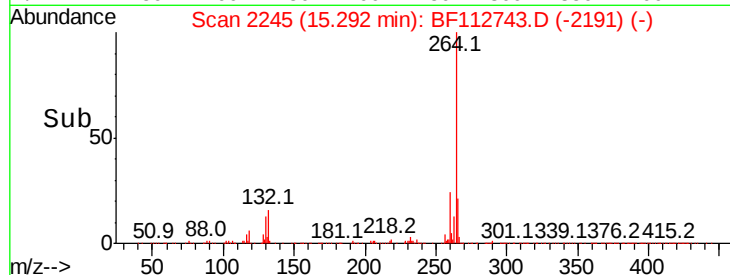
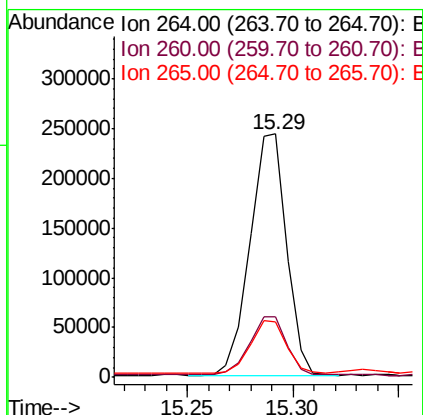
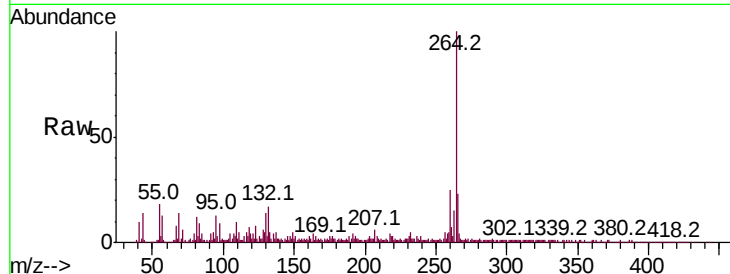
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. 0.02 min
Lab File: BF112743.D
Acq: 28 Feb 2019 2:40

Instrument :
BNA_F
ClientSampleId :
COMP-14

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	18.7	28.1
265	23.0	17.2	25.8

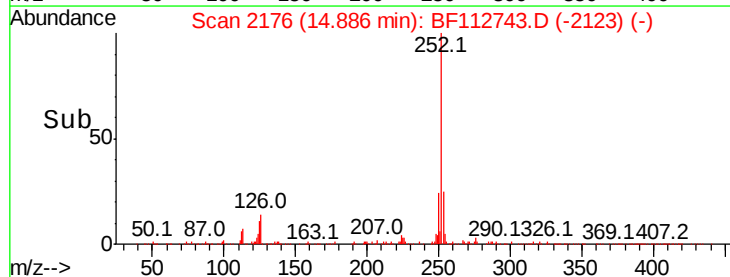
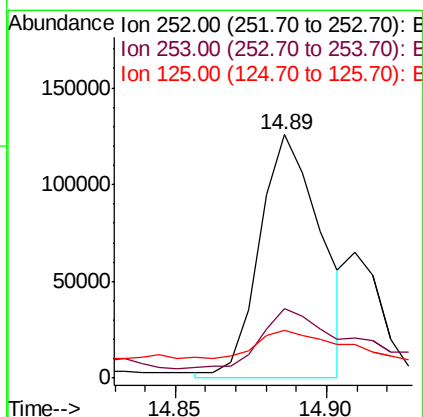
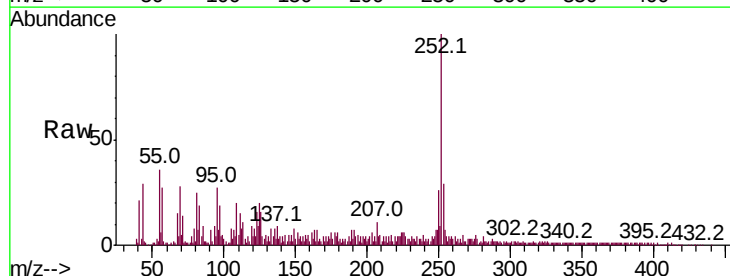
Manual Integrations
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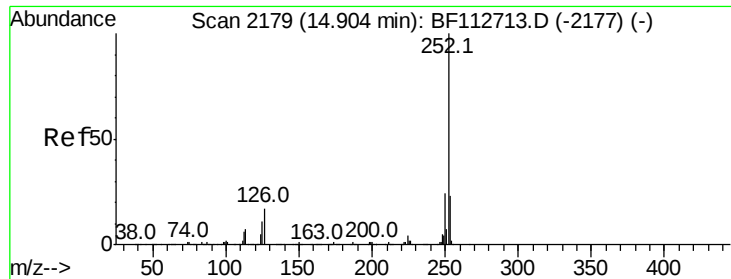
Sohil
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#88
Benzo(b)fluoranthene
Concen: 9.432 ng m
RT: 14.89 min Scan# 2176
Delta R.T. 0.01 min
Lab File: BF112743.D
Acq: 28 Feb 2019 2:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.6	18.0	27.0#
125	19.7	10.2	15.2#





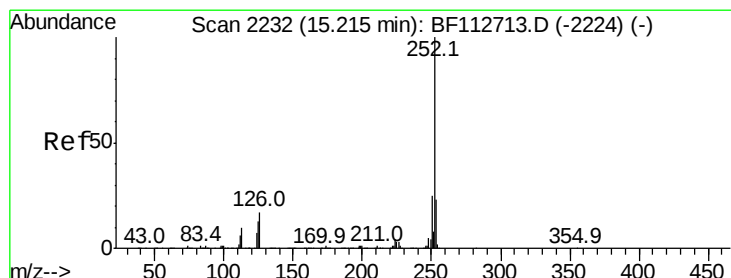
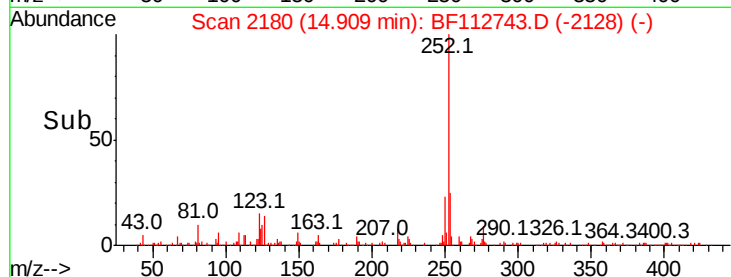
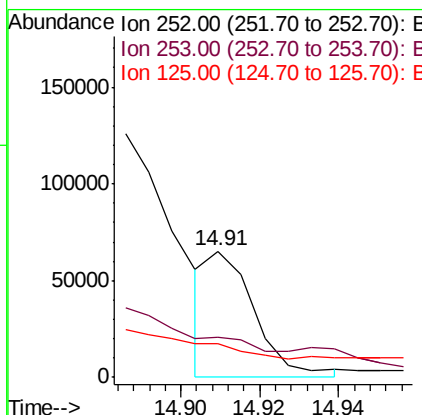
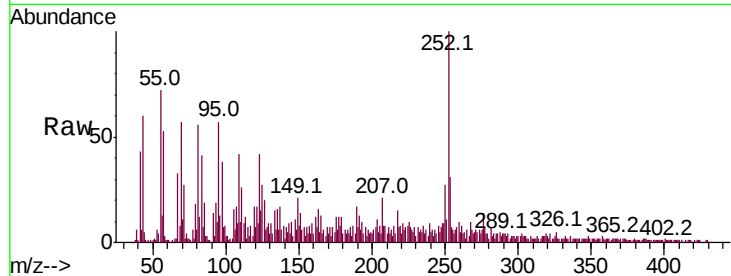
#89
Benzo(k)fluoranthene
Concen: 3.158 ng m
RT: 14.91 min Scan# 2180
Delta R.T. 0.01 min
Lab File: BF112743.D
Acq: 28 Feb 2019 2:40

Instrument :
BNA_F
ClientSampleId :
COMP-14

Tot Ion	Ratio	Lower	Upper
252	100		
253	31.4	18.2	27.2#
125	27.0	9.8	14.6#

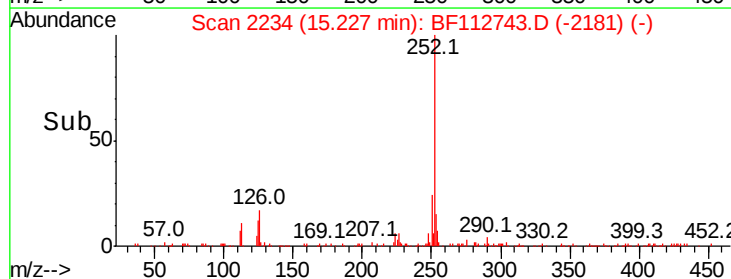
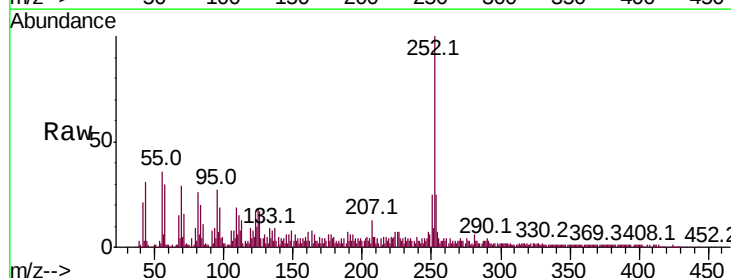
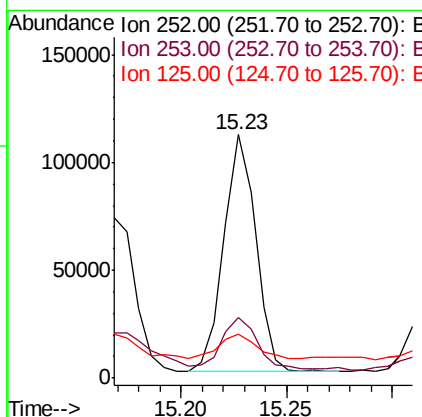
Manual Integrations
APPROVED

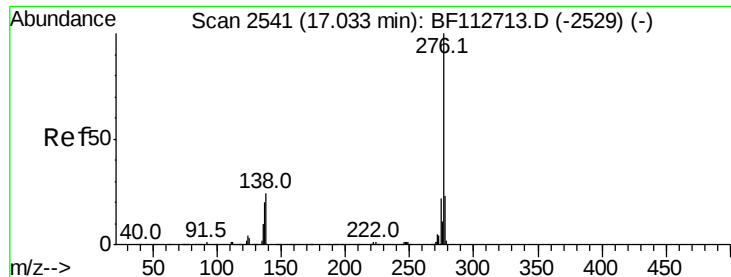
Sohil
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#90
Benzo(a)pyrene
Concen: 6.917 ng
RT: 15.23 min Scan# 2234
Delta R.T. 0.01 min
Lab File: BF112743.D
Acq: 28 Feb 2019 2:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.0	27.0
125	18.1	10.7	16.1#





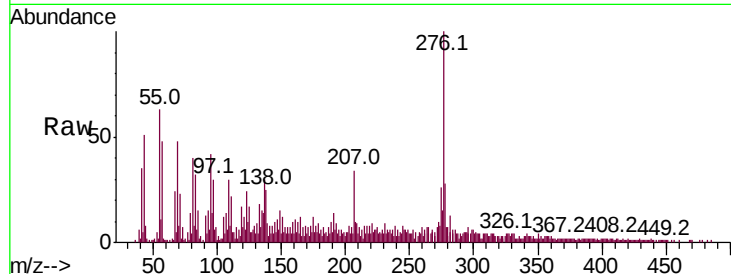
#92
 Benzo(a,h,i)perylene
 Concen: 5.726 ng
 RT: 17.06 min Scan# 2545
 Delta R.T. 0.02 min
 Lab File: BF112743.D
 Acq: 28 Feb 2019 2:40

Instrument :
 BNA_F
 ClientSampleId :
 COMP-14

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.2	18.6	27.8#
138	25.4	19.4	29.0

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

