

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020918\
 Data File : BF102898.D
 Acq On : 9 Feb 2018 19:32
 Operator : SJ/JU
 Sample : J1512-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-2334

Manual Integrations
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Sohil
 2/13/2018 4:37:05 AM

Quant Time: Feb 09 22:54:17 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	175542	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	695779	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	279042	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	419327	20.00	ng	0.00
75) Chrysene-d12	14.05	240	351776	20.00	ng	0.00
86) Perylene-d12	15.54	264	340938	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1152655	99.72	ng	0.01
7) Phenol-d6	6.52	99	1353826	97.27	ng	0.01
23) Nitrobenzene-d5	7.45	82	881301	87.87	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	210948	93.92	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1211846	72.06	ng	0.00
78) Terphenyl-d14	13.00	244	854979	57.55	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.52	94	80769	5.415	ng	79
49) Dimethylphthalate	9.63	163	157497	7.239	ng	99
70) Phenanthrene	11.43	178	58351	2.499	ng	100
74) Fluoranthene	12.63	202	143853	6.122	ng	97
77) Pyrene	12.86	202	137121	4.971	ng	98
80) Benzo(a)anthracene	14.04	228	86540	3.912	ng	96
82) Chrysene	14.07	228	87359	3.917	ng	98
83) Bis(2-ethylhexyl)phthalate	14.02	149	43898	2.598	ng	# 98
85) Indeno(1,2,3-cd)pyrene	17.03	276	45012	2.434	ng	97
87) Benzo(b)fluoranthene	15.10	252	120941m	5.471	ng	
88) Benzo(k)fluoranthene	15.13	252	47578m	2.253	ng	
89) Benzo(a)pyrene	15.47	252	78895	3.965	ng	97
91) Benzo(a,h,i)perylene	17.49	276	39444	2.495	ng	96

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

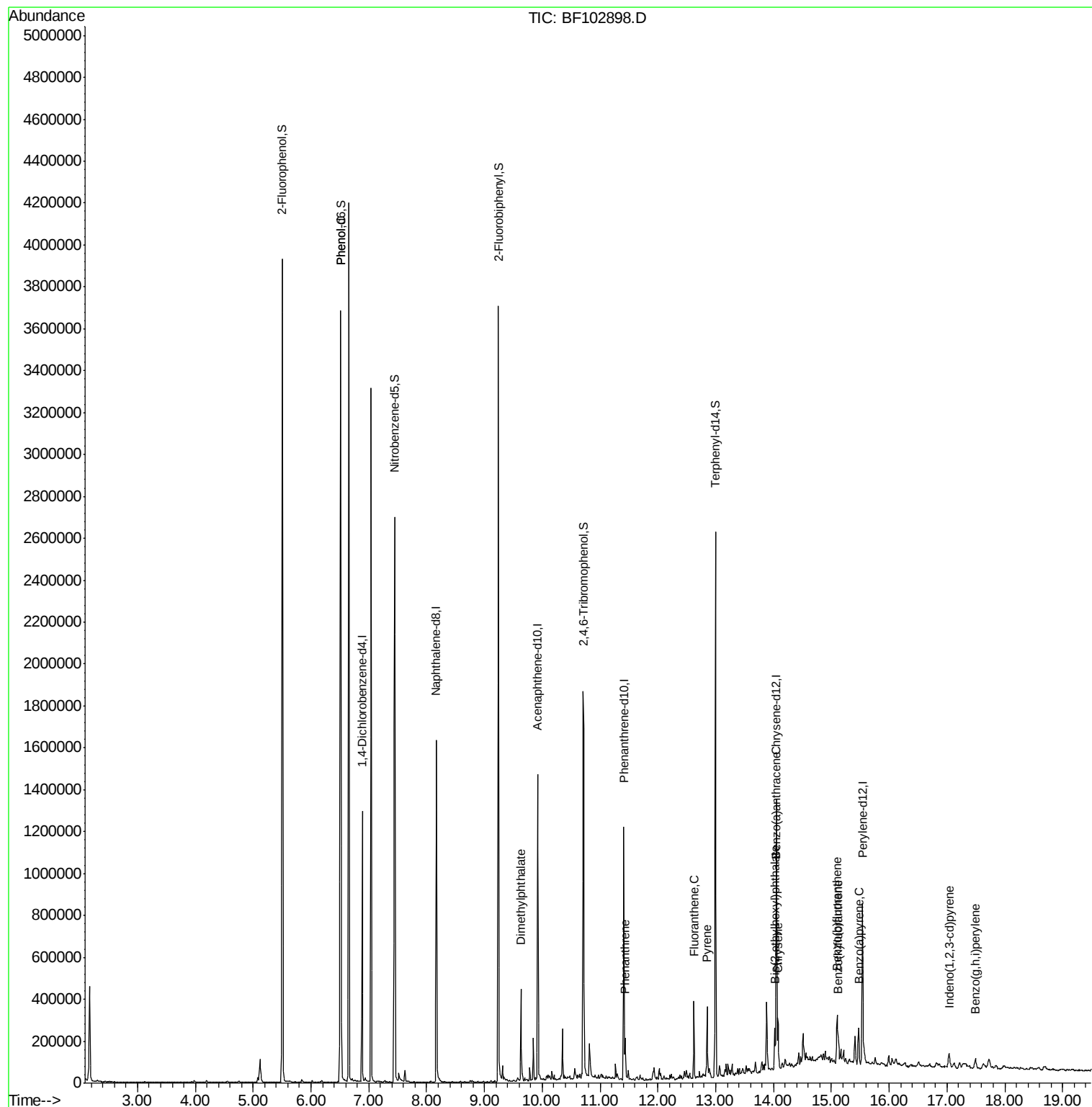
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020918\
Data File : BF102898.D
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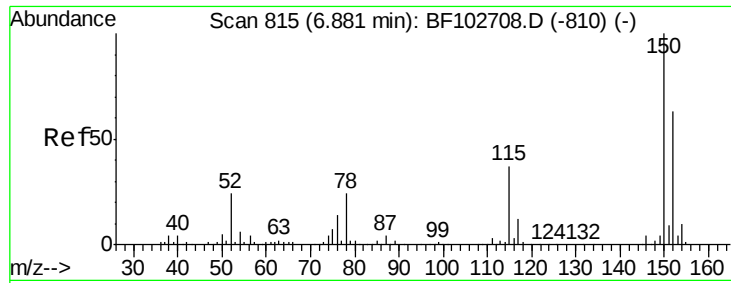
Instrument :
BNA_F
ClientSampled :
RO-2334

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Quant Time: Feb 09 22:54:17 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

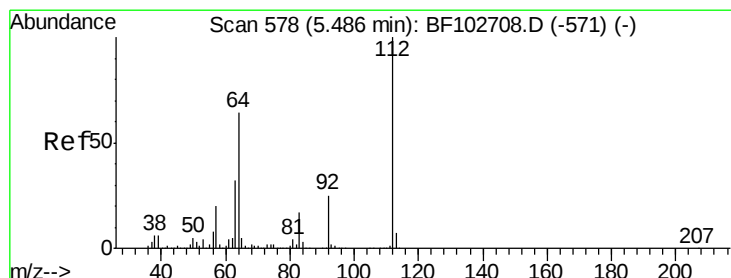
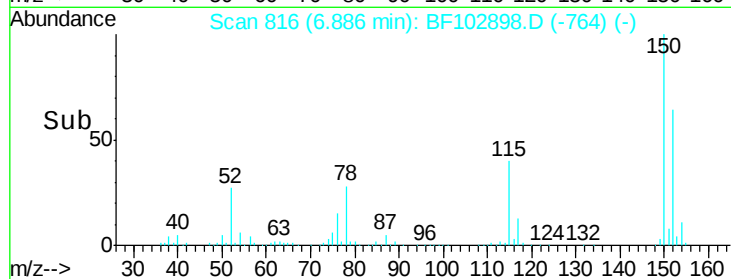
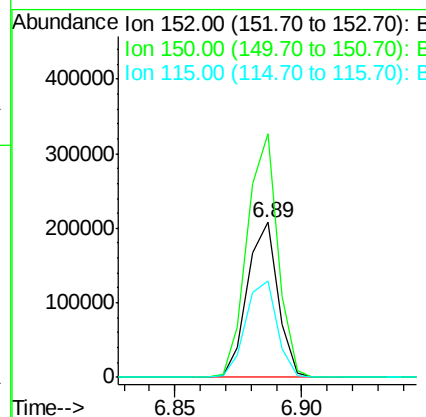
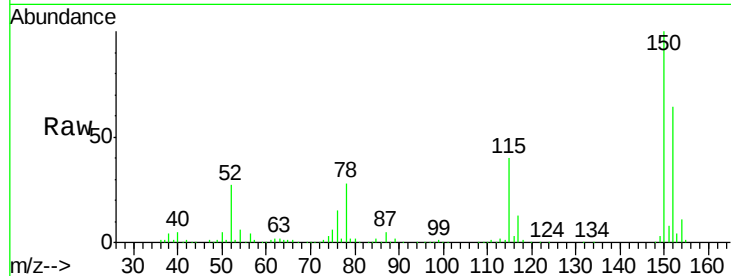
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF102898.D
Acq: 9 Feb 2018 19:32

Instrument :
BNA_F
ClientSampleId :
RO-2334

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.6	186.8
115	62.6	50.1	75.1

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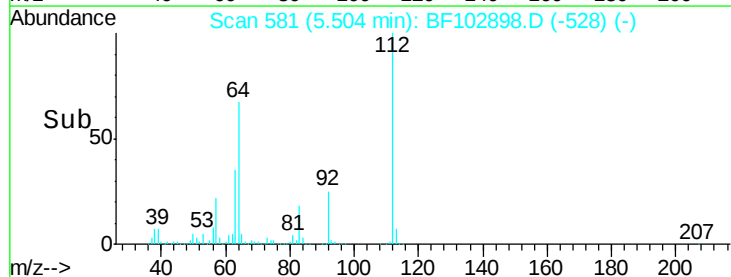
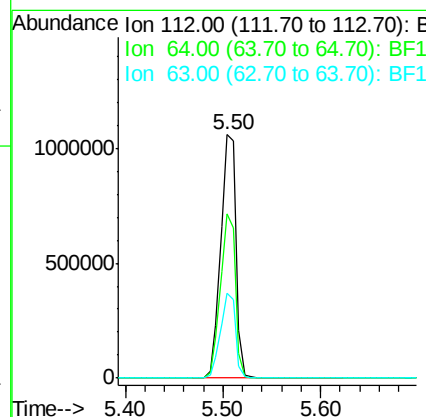
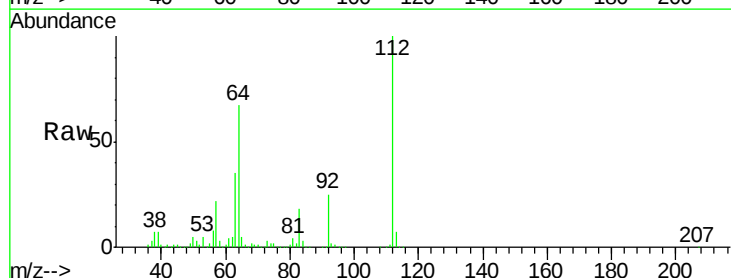
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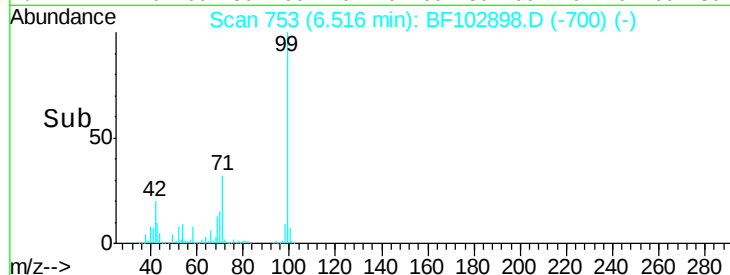
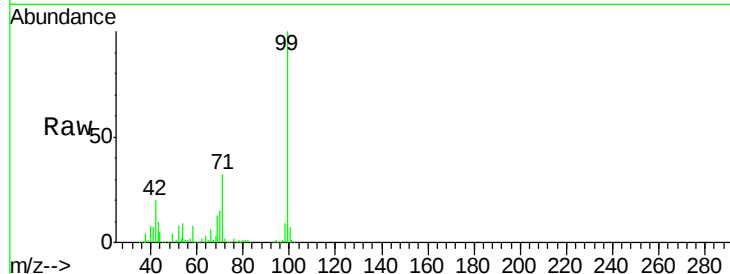


#5

2-Fluorophenol
Concen: 99.720 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF102898.D
Acq: 9 Feb 2018 19:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.2	47.9	71.9
63	35.0	23.7	35.5





#7

Phenol-d6

Concen: 97.273 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF102898.D

Acq: 9 Feb 2018 19:32

Tot Ion: 99 Resp: 1353826

Ion Ratio Lower Upper

99 100

42 20.0 14.5 21.7

71 32.1 25.4 38.0

Instrument :

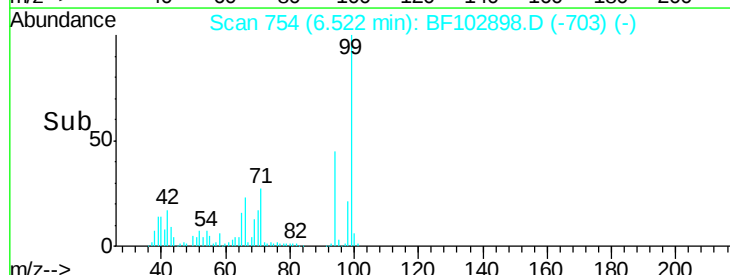
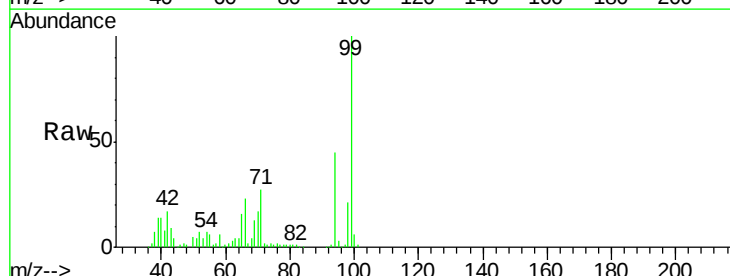
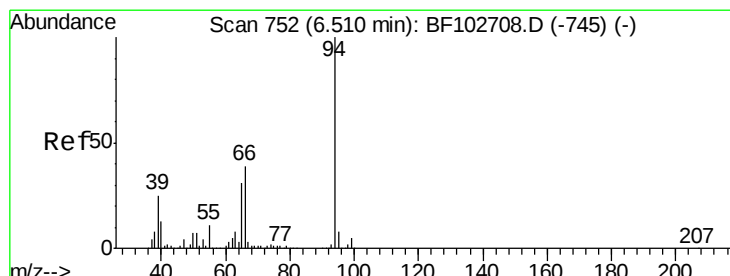
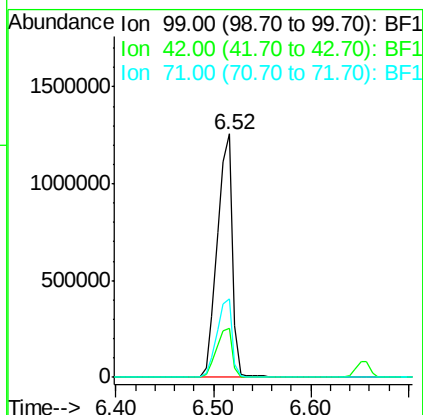
BNA_F

ClientSampleId :

RO-2334

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#10

Phenol

Concen: 5.415 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF102898.D

Acq: 9 Feb 2018 19:32

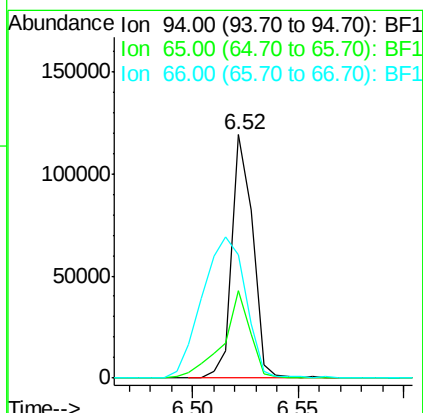
Tgt Ion: 94 Resp: 80769

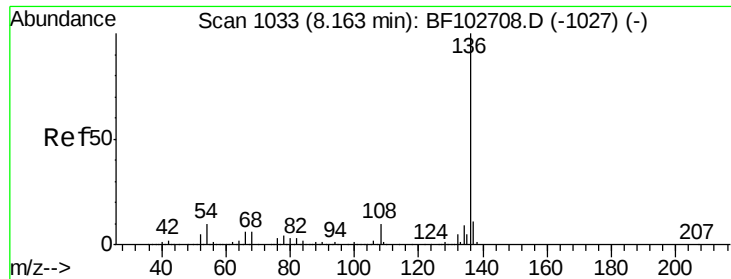
Ion Ratio Lower Upper

94 100

65 36.2 7.9 47.9

66 50.8 16.2 56.2





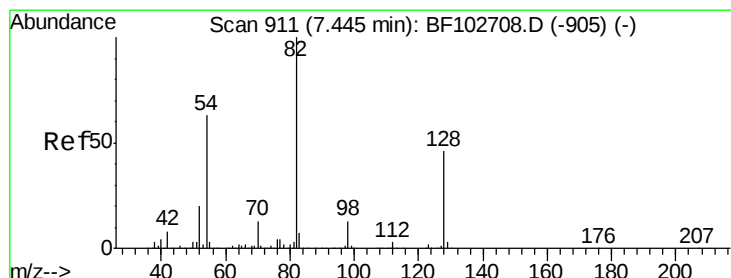
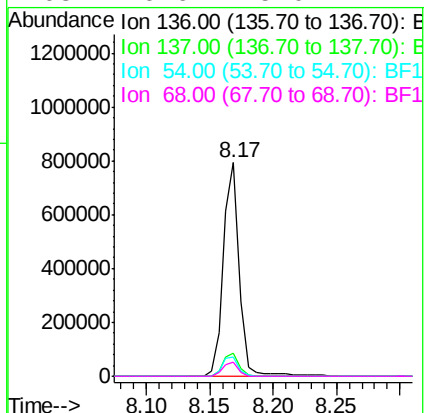
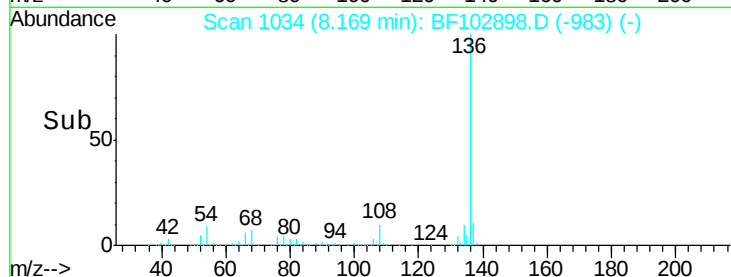
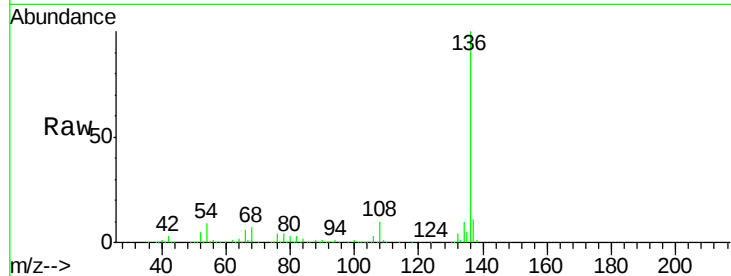
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BF102898.D
Acq: 9 Feb 2018 19:32

Instrument :
BNA_F
ClientSampleId :
RO-2334

Tot Ion	Ratio	Resp	Lower	Upper
136	100	695779		
137	10.9		8.9	13.3
54	9.2		6.6	9.8
68	6.6		5.0	7.4

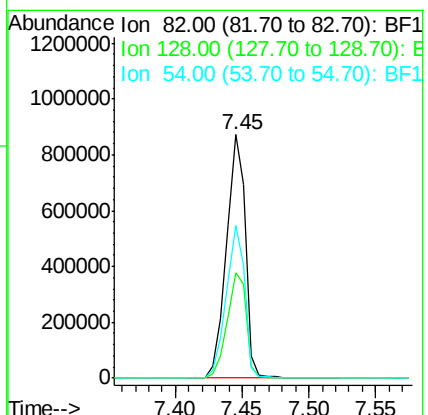
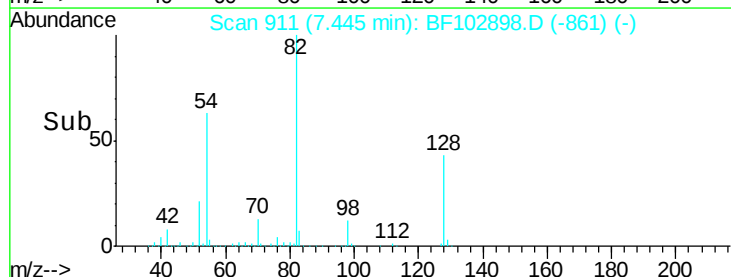
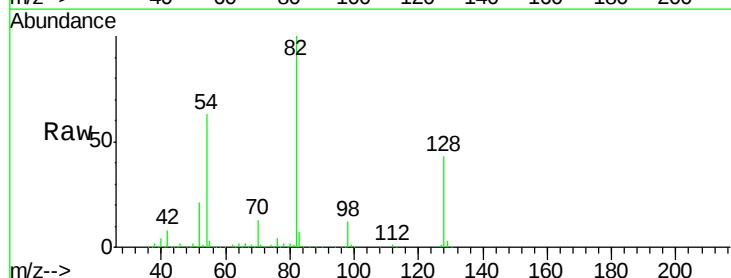
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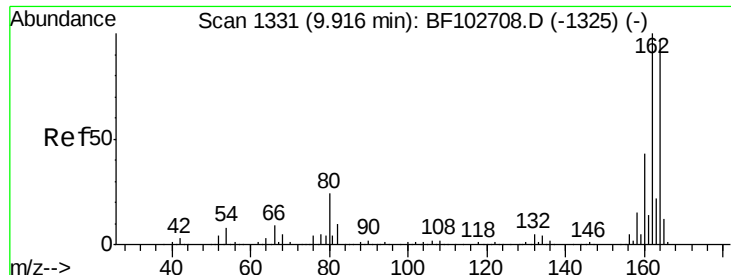
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#23
Nitrobenzene-d5
Concen: 87.868 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF102898.D
Acq: 9 Feb 2018 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	881301		
128	43.2		36.1	54.1
54	62.8		41.4	62.2#





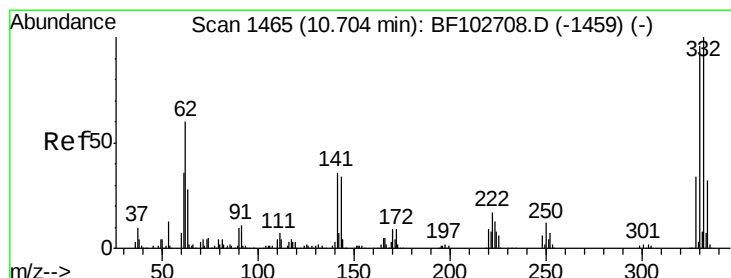
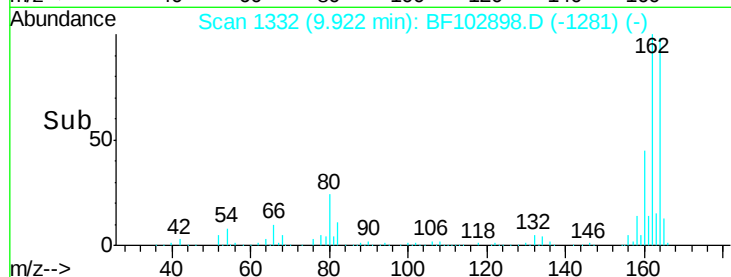
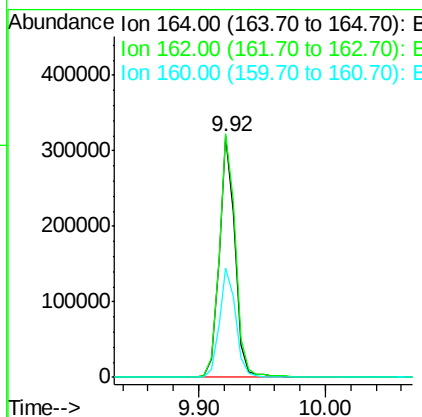
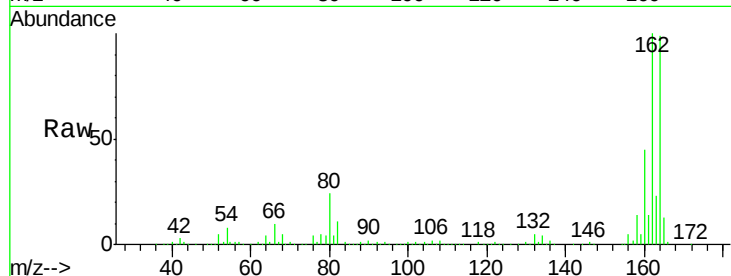
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: BF102898.D
 Acq: 9 Feb 2018 19:32

Instrument :
 BNA_F
 ClientSampleId :
 RO-2334

Tot Ion	Ratio	Resp	Lower	Upper
164	100	279042		
162	101.0	86.1	129.1	
160	45.4	38.3	57.5	

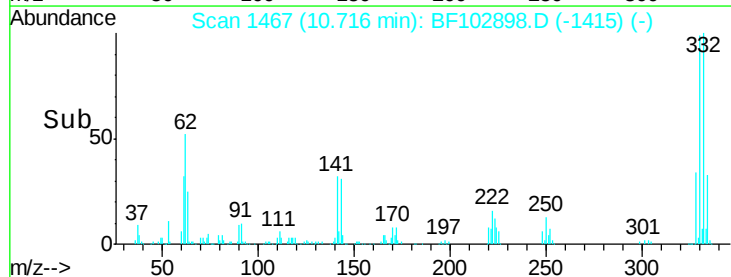
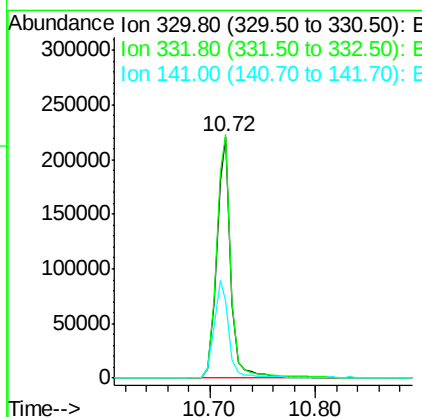
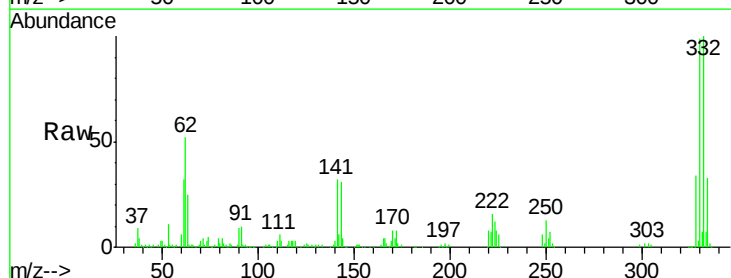
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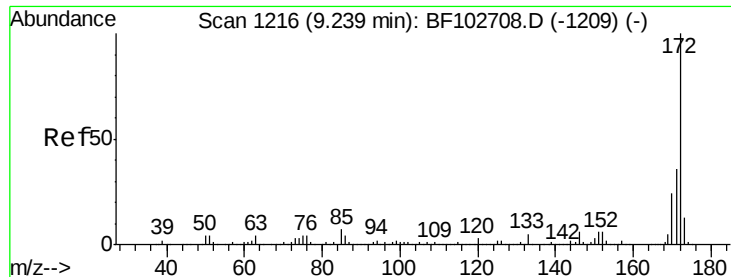
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#41
 2,4,6-Tribromophenol
 Concen: 93.923 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.01 min
 Lab File: BF102898.D
 Acq: 9 Feb 2018 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	210948		
332	103.7	77.0	115.6	
141	43.0	29.9	44.9	





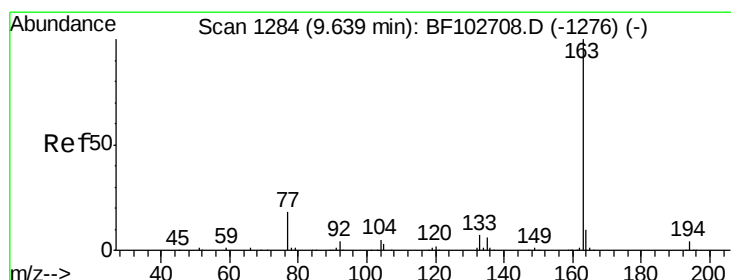
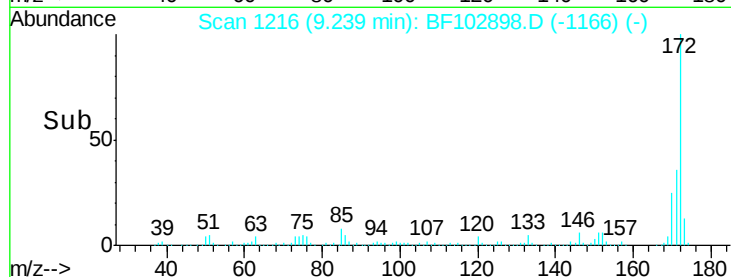
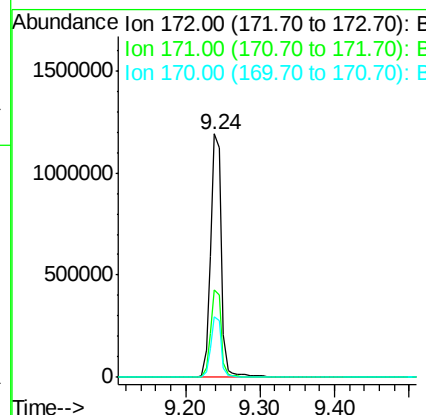
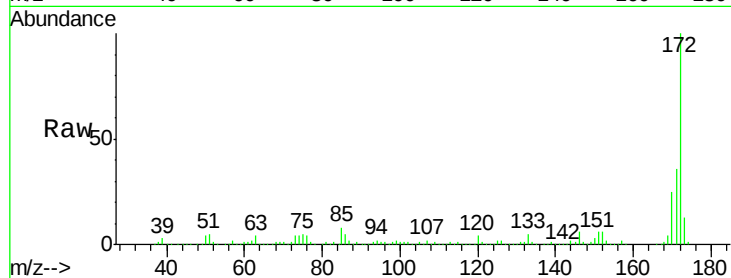
#44
2-Fluorobiphenyl
Concen: 72.064 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF102898.D
Acq: 9 Feb 2018 19:32

Instrument :
BNA_F
ClientSampleId :
RO-2334

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	24.8	19.6	29.4

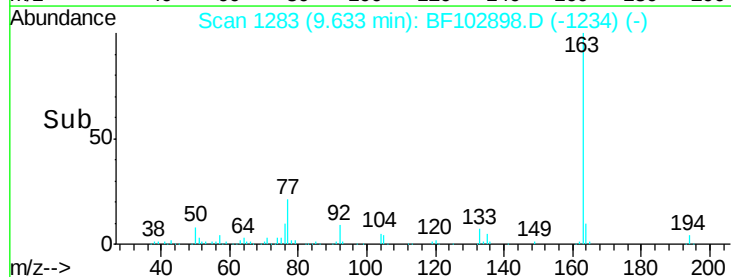
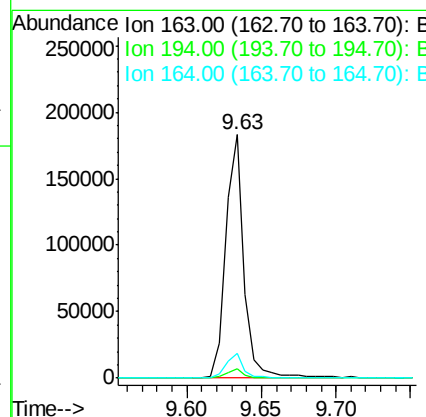
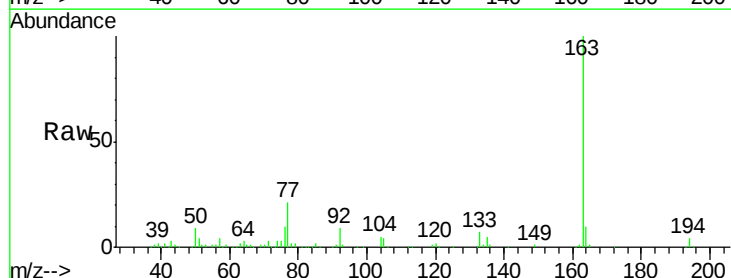
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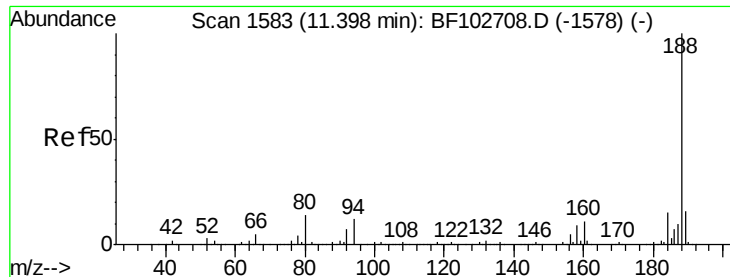
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#49
Dimethylphthalate
Concen: 7.239 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF102898.D
Acq: 9 Feb 2018 19:32

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	10.0	8.2	12.2





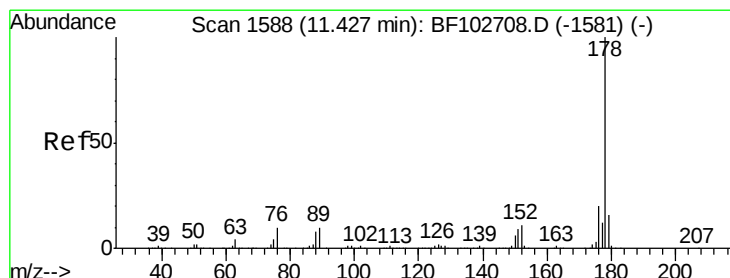
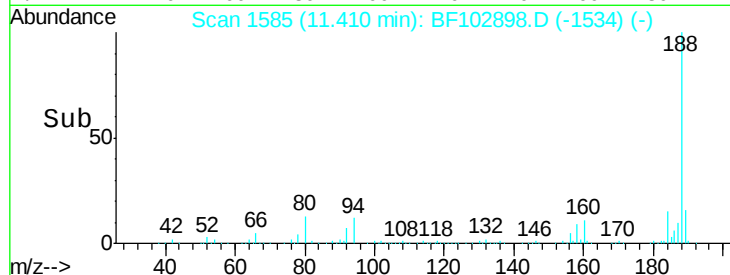
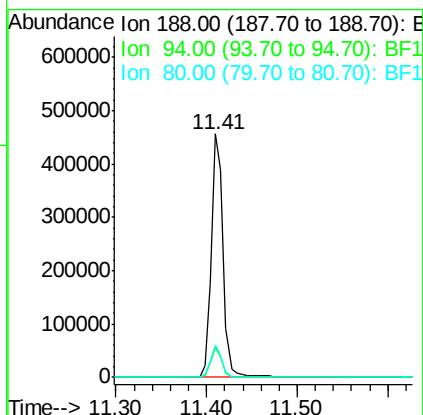
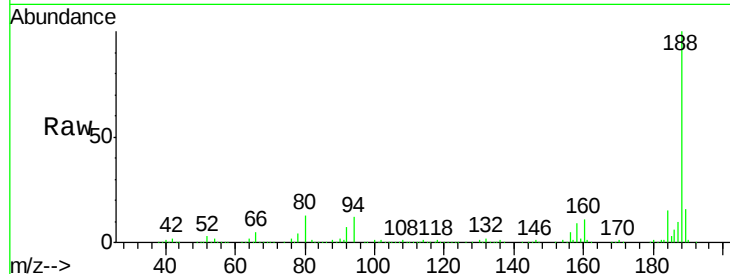
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF102898.D
Acq: 9 Feb 2018 19:32

Instrument :
BNA_F
ClientSampleId :
RO-2334

Tot Ion	Ratio	Resp	Lower	Upper
188	100	419327		
94	12.4	8.5	12.7	
80	13.5	9.2	13.8	

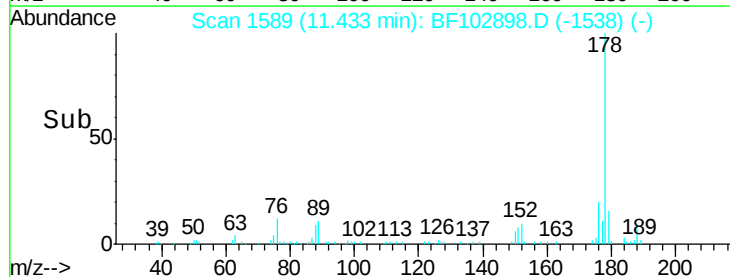
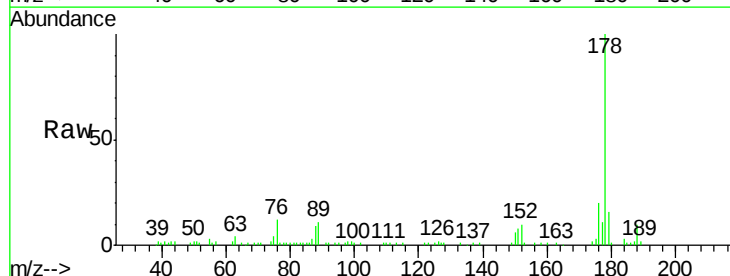
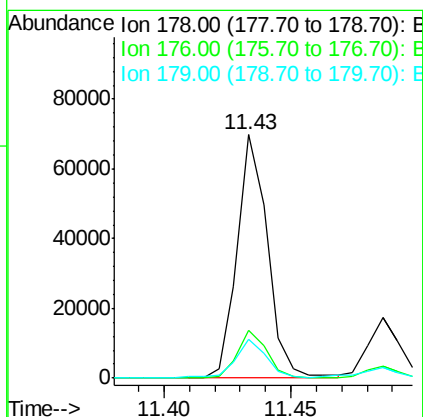
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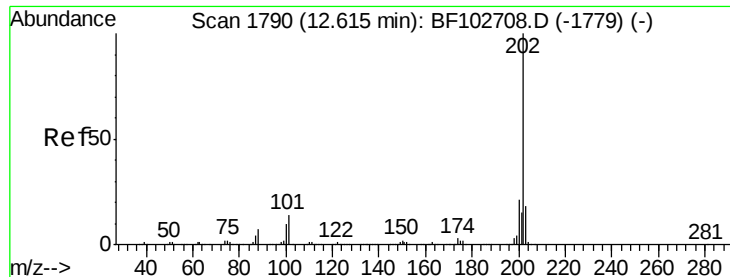
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#70
Phenanthrene
Concen: 2.499 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.00 min
Lab File: BF102898.D
Acq: 9 Feb 2018 19:32

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	58351		
176	19.8	15.8	23.8	
179	15.9	13.0	19.6	





#74

Fluoranthene

Concen: 6.122 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.01 min

Lab File: BF102898.D

Acq: 9 Feb 2018 19:32

Instrument :

BNA_F

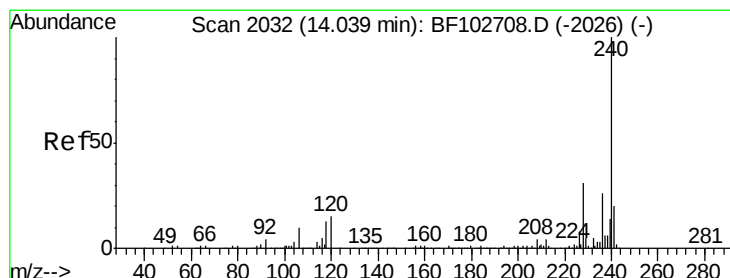
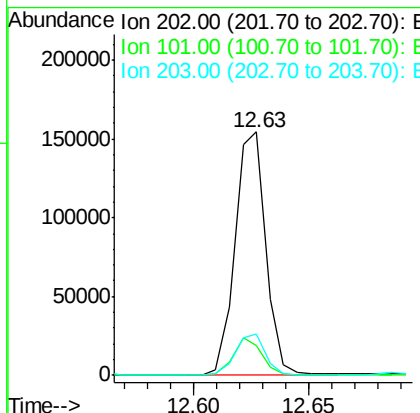
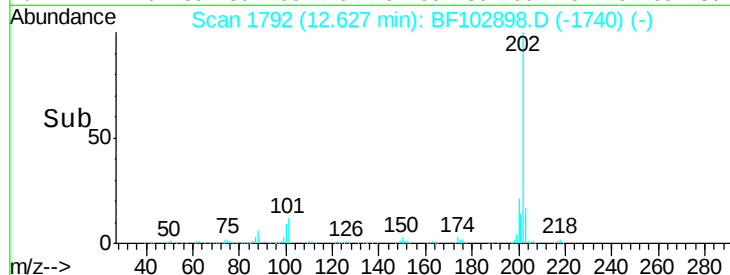
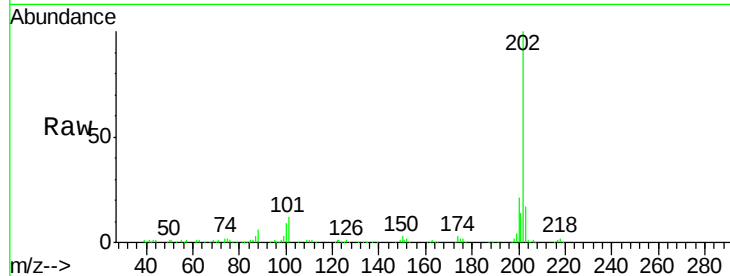
ClientSampleId :

RO-2334

Tot Ion:	202	Resp:	143853
Ion Ratio		Lower	Upper
202	100		
101	12.3	0.0	34.1
203	17.1	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

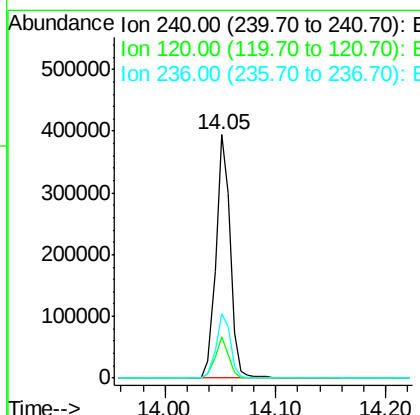
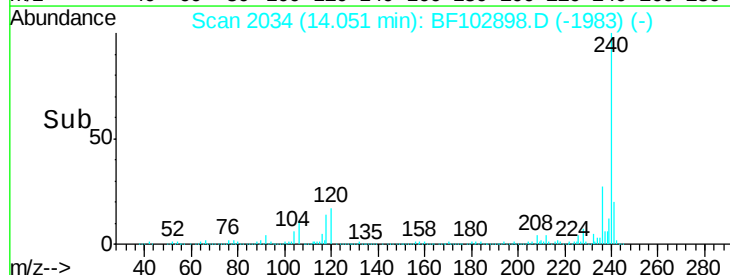
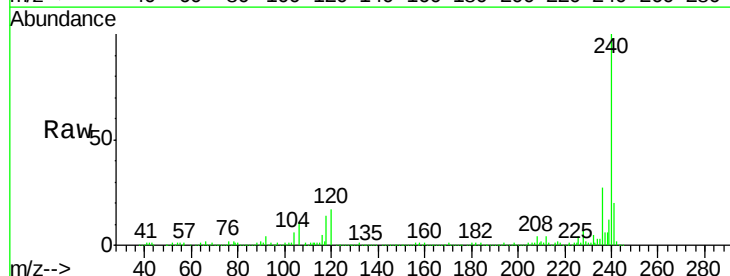
RT: 14.05 min Scan# 2034

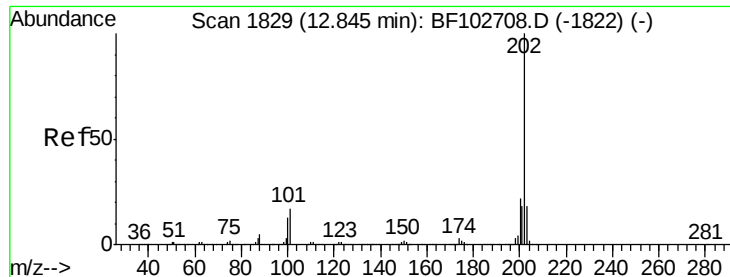
Delta R.T. -0.00 min

Lab File: BF102898.D

Acq: 9 Feb 2018 19:32

Tgt Ion:	240	Resp:	351776
Ion Ratio		Lower	Upper
240	100		
120	16.8	9.5	14.3#
236	26.7	20.7	31.1





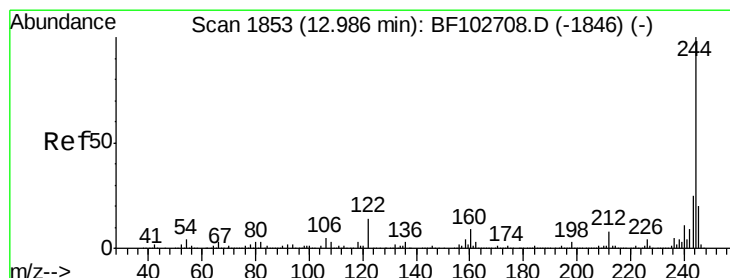
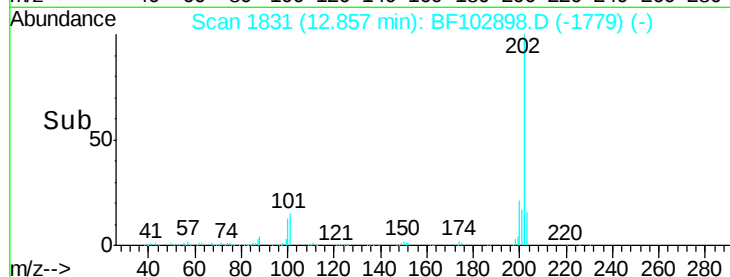
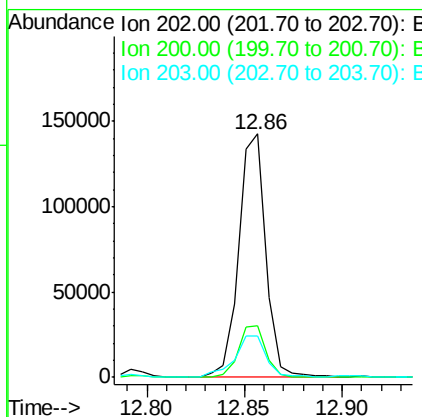
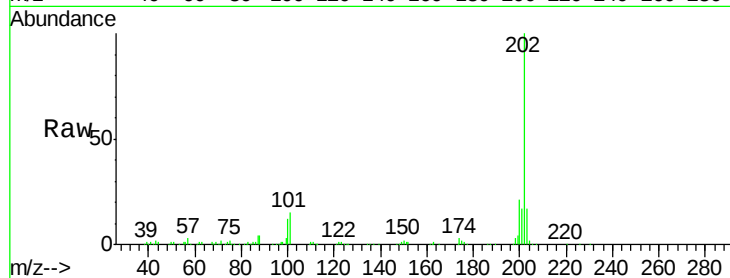
#77
Pvrene
Concen: 4.971 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.01 min
Lab File: BF102898.D
Acq: 9 Feb 2018 19:32

Instrument :
BNA_F
ClientSampleId :
RO-2334

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.3	17.4	26.2
203	16.8	14.3	21.5

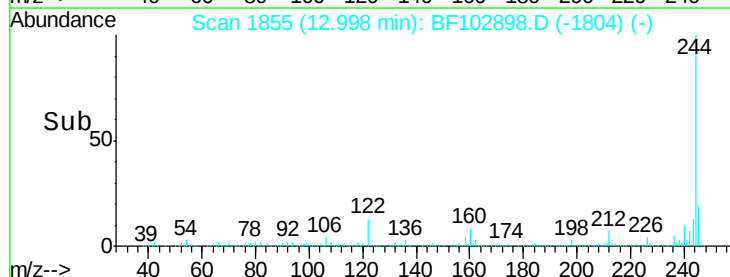
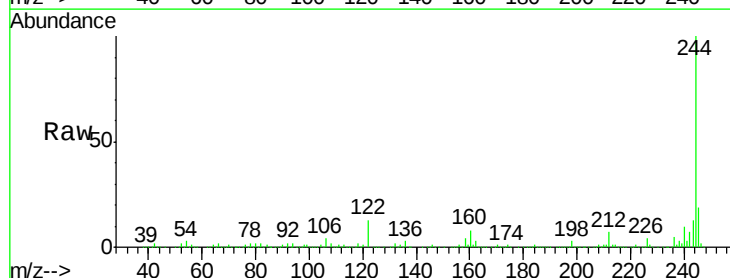
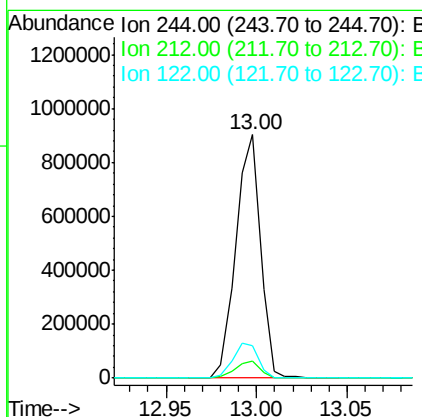
Manual Integrations
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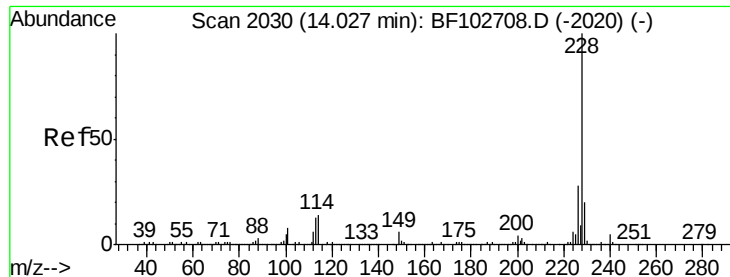
Sohil
2/13/2018 4:37:05 AM



#78
Terphenyl-d14
Concen: 57.548 ng
RT: 13.00 min Scan# 1855
Delta R.T. -0.00 min
Lab File: BF102898.D
Acq: 9 Feb 2018 19:32

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.1	5.4	8.0
122	13.4	11.0	16.4





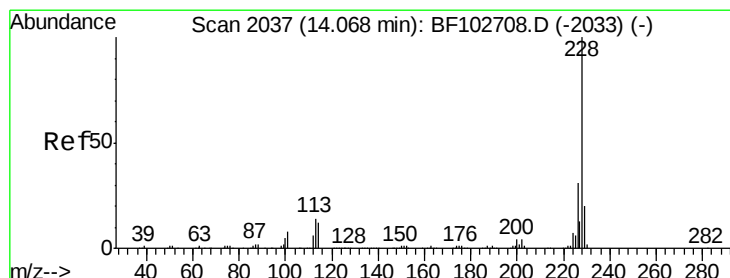
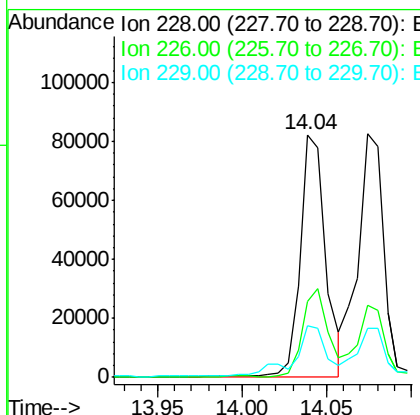
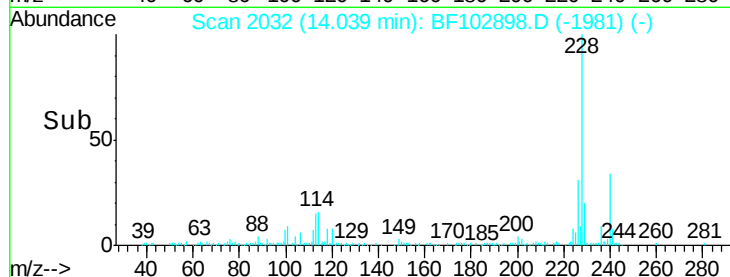
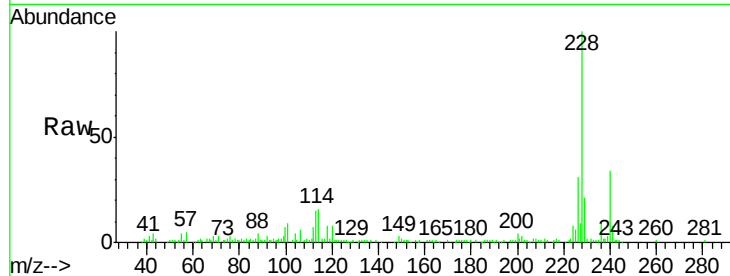
#80
Benzo(a)anthracene
Concen: 3.912 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BF102898.D
Acq: 9 Feb 2018 19:32

Instrument :
BNA_F
ClientSampled :
RO-2334

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.1	22.6	33.8
229	21.0	15.8	23.6

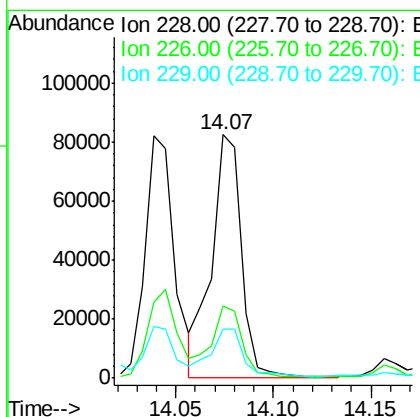
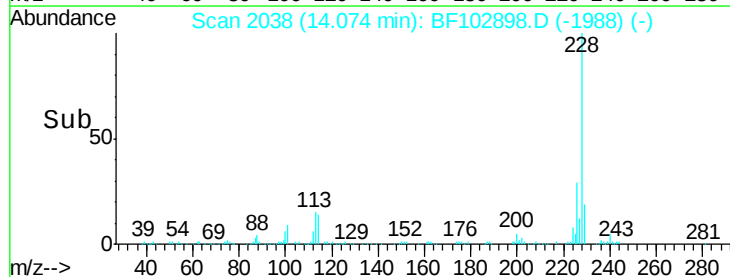
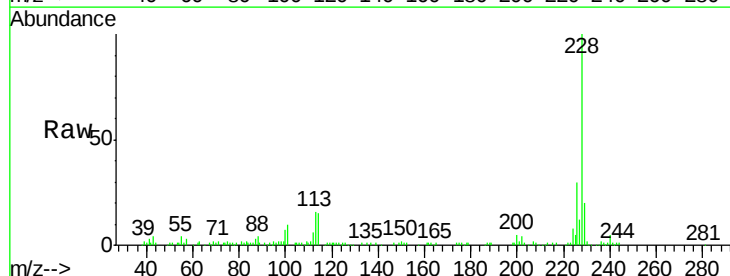
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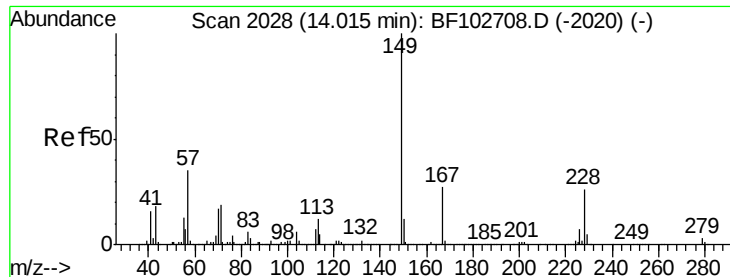
Sohil
2/13/2018 4:37:05 AM



#82
Chrysene
Concen: 3.917 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF102898.D
Acq: 9 Feb 2018 19:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.0	37.6
229	20.3	16.2	24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.598 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.00 min

Lab File: BF102898.D

Acq: 9 Feb 2018 19:32

Instrument :

BNA_F

ClientSampleId :

RO-2334

Tot Ion:149 Resp: 43898

Ion Ratio Lower Upper

149 100

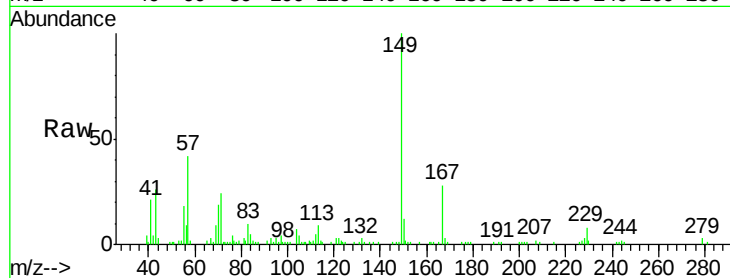
167 27.9 21.3 31.9

279 2.8 3.0 4.4#

Manual Integrations
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Sohil

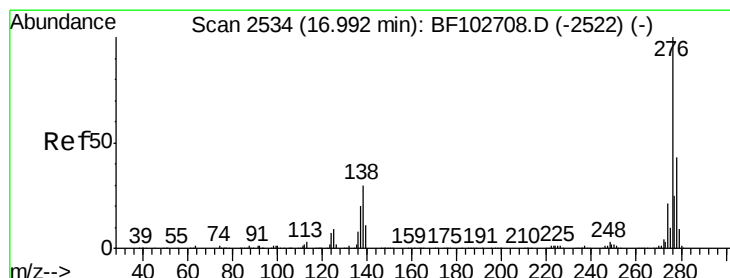
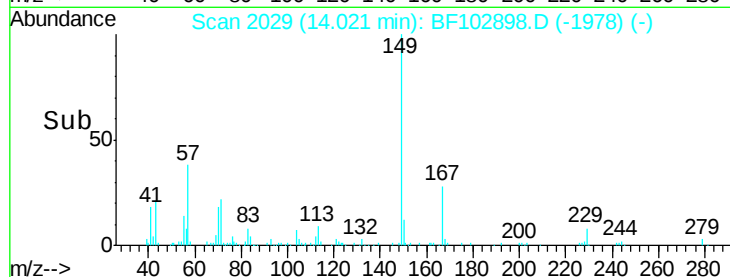
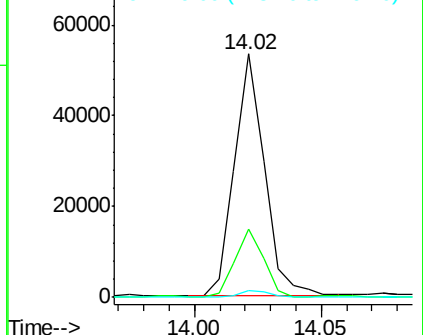
2/13/2018 4:37:05 AM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.434 ng

RT: 17.03 min Scan# 2541

Delta R.T. 0.02 min

Lab File: BF102898.D

Acq: 9 Feb 2018 19:32

Tgt Ion:276 Resp: 45012

Ion Ratio Lower Upper

276 100

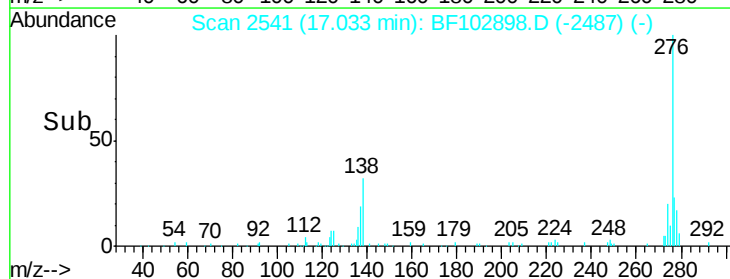
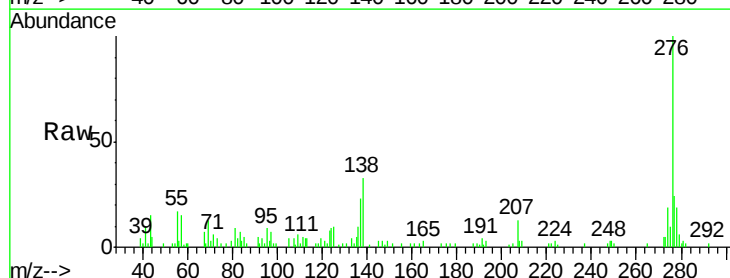
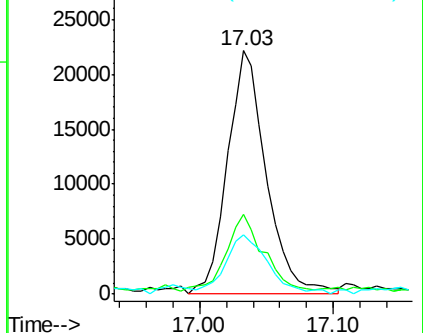
138 29.8 25.0 37.6

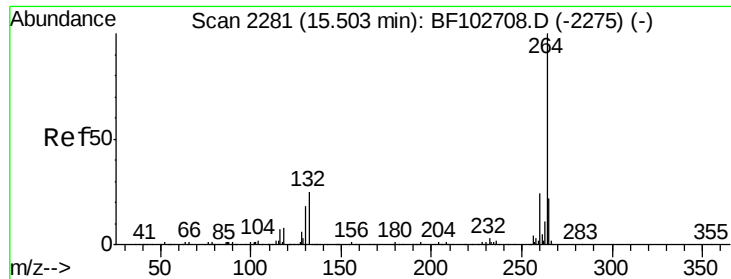
277 26.4 20.1 30.1

Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





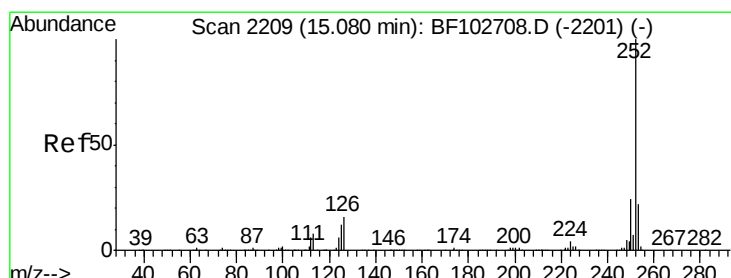
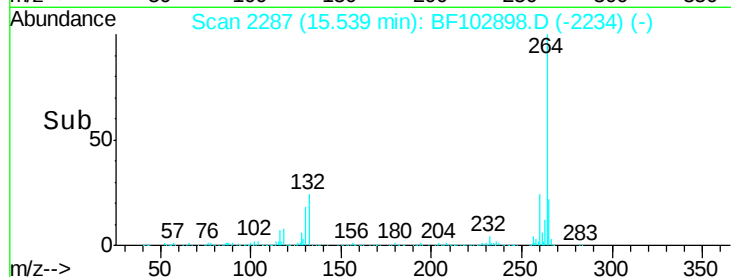
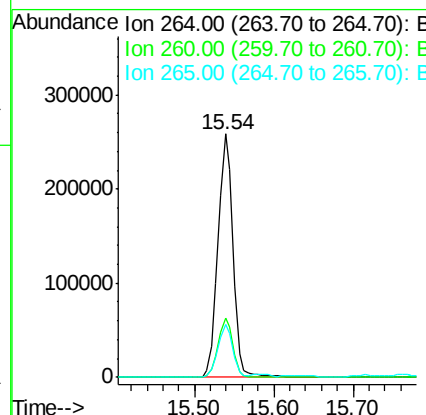
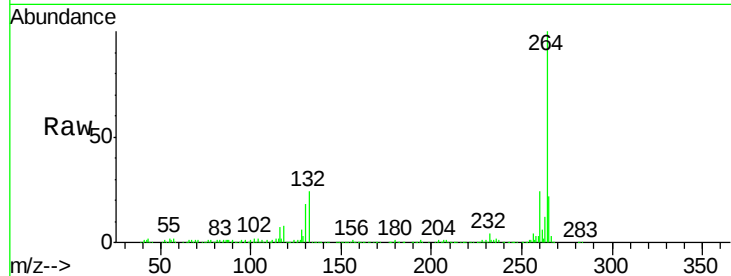
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BF102898.D
Acq: 9 Feb 2018 19:32

Instrument :
BNA_F
ClientSampleId :
RO-2334

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.8	17.5	26.3

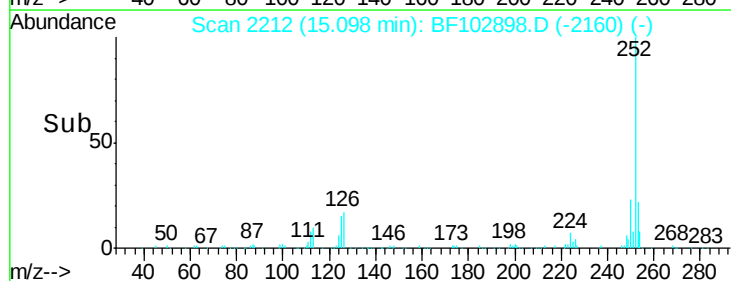
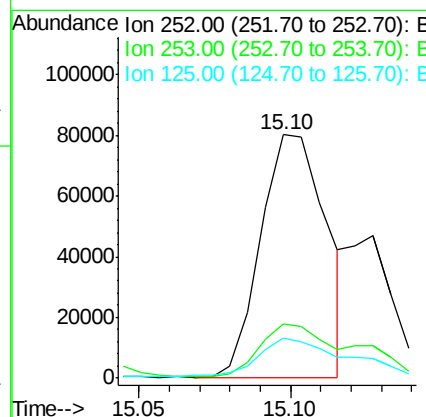
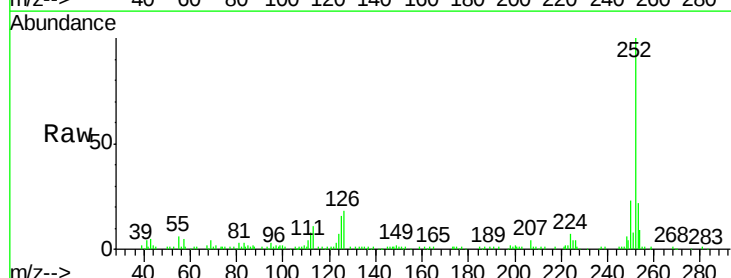
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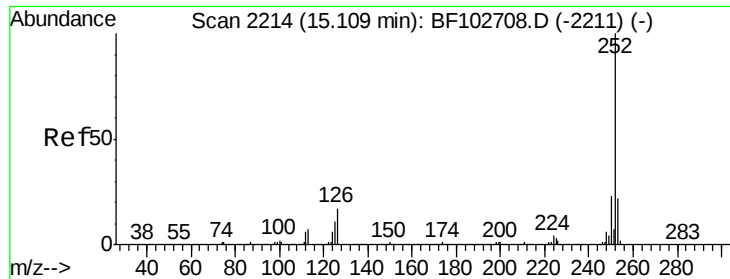
Sohil
2/13/2018 4:37:05 AM



#87
Benzo(b)fluoranthene
Concen: 5.471 ng m
RT: 15.10 min Scan# 2212
Delta R.T. 0.01 min
Lab File: BF102898.D
Acq: 9 Feb 2018 19:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.6
125	16.4	9.0	13.6





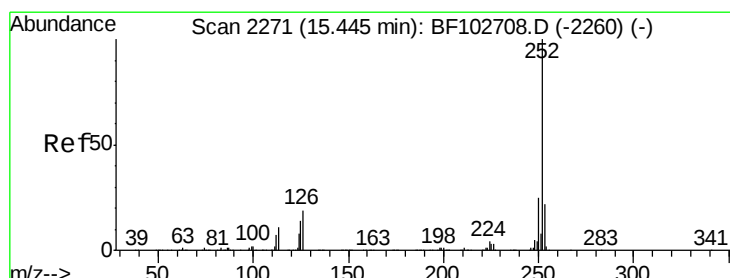
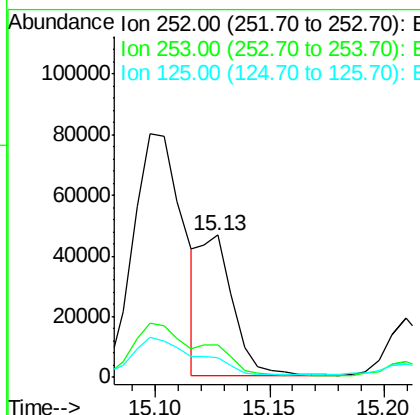
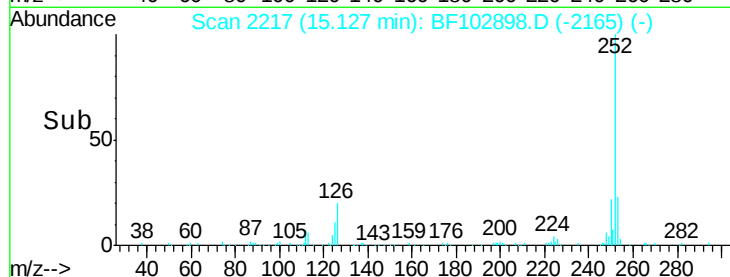
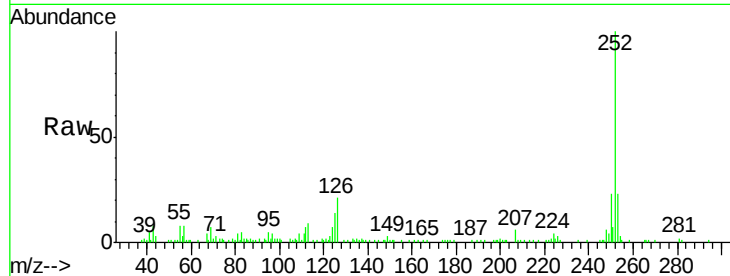
#88
Benzo(k)fluoranthene
Concen: 2.253 ng m
RT: 15.13 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF102898.D
Acq: 9 Feb 2018 19:32

Instrument :
BNA_F
ClientSampled :
RO-2334

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	13.6	10.2	15.2

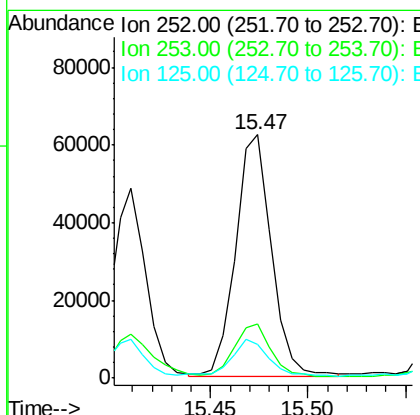
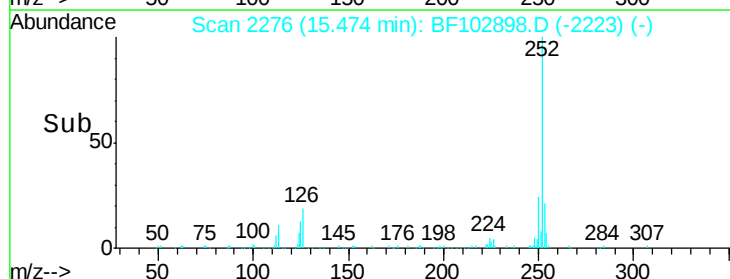
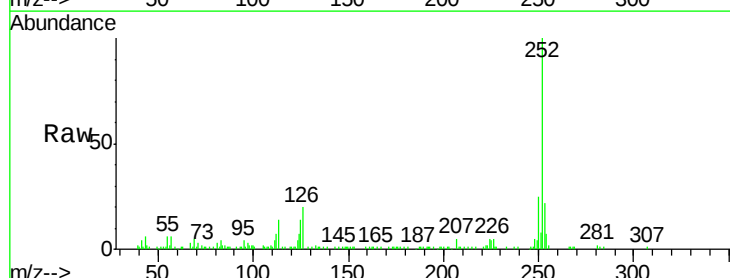
Manual Integrations
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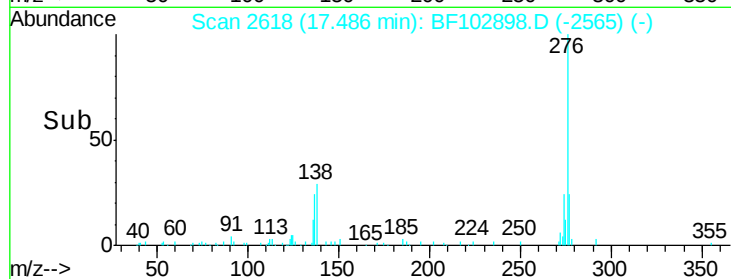
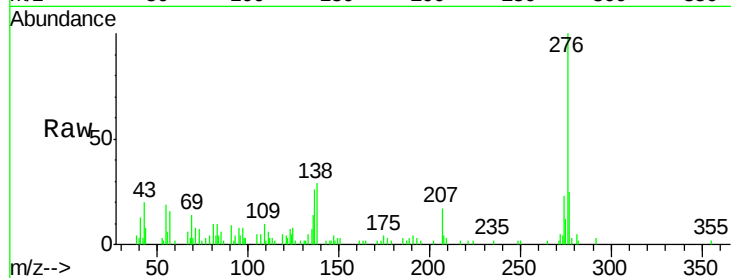
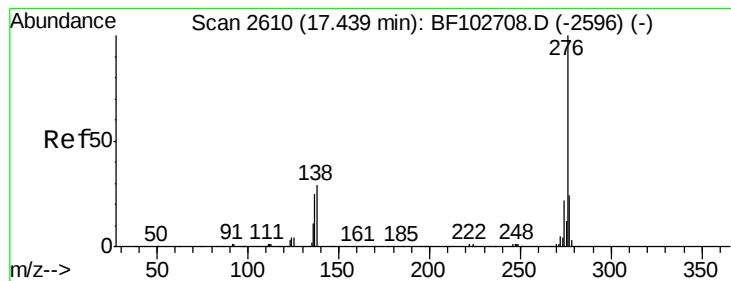
Sohil
2/13/2018 4:37:05 AM



#89
Benzo(a)pyrene
Concen: 3.965 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF102898.D
Acq: 9 Feb 2018 19:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.1	25.7
125	14.1	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 2.495 ng

RT: 17.49 min Scan# 2618

Delta R.T. 0.01 min

Lab File: BF102898.D

Acq: 9 Feb 2018 19:32

Instrument :

BNA_F

ClientSampleId :

RO-2334

Tot Ion:	276	Resp:	39444
Ion Ratio	Lower	Upper	
276	100		
277	24.9	17.9	26.9
138	28.6	21.8	32.8

Manual Integrations
APPROVED

Sohil
2/13/2018 4:37:05 AM

