

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF021218\
 Data File : BF102945.D
 Acq On : 13 Feb 2018 3:13
 Operator : SJ/JU
 Sample : J1526-01DL 5X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-1-2DL

Manual Integrations
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Sohil
 2/13/2018 11:26:37 AM

Quant Time: Feb 13 05:30:36 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	6.88	152	171340	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	699004	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	282246	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	402178	20.00	ng	0.00
75) Chrysene-d12	14.06	240	304441	20.00	ng	0.00
86) Perylene-d12	15.54	264	284852	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	250966	22.24	ng	0.00
7) Phenol-d6	6.50	99	298876	22.00	ng	0.00
23) Nitrobenzene-d5	7.44	82	184169	18.28	ng	-0.01
41) 2,4,6-Tribromophenol	10.71	330	39052	17.19	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	303139	17.82	ng	0.00
78) Terphenyl-d14	12.99	244	187396	14.57	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.78	152	61287	2.108	ng	98
49) Dimethylphthalate	9.63	163	62196	2.826	ng	97
51) Acenaphthene	9.95	154	47628	2.740	ng	99
54) Dibenzofuran	10.13	168	50466	2.060	ng	96
57) Fluorene	10.47	166	142997	8.022	ng	98
70) Phenanthrene	11.44	178	1030246	45.996	ng	99
71) Anthracene	11.49	178	445851	19.571	ng	99
74) Fluoranthene	12.63	202	1034648	45.911	ng	97
77) Pyrene	12.86	202	995208	41.688	ng	100
80) Benzo(a)anthracene	14.04	228	519303	27.123	ng	98
82) Chrysene	14.08	228	468173	24.257	ng	98
85) Indeno(1,2,3-cd)pyrene	17.03	276	132670	8.288	ng	98
87) Benzo(b)fluoranthene	15.10	252	505435m	27.368	ng	
88) Benzo(k)fluoranthene	15.13	252	128869m	7.303	ng	
89) Benzo(a)pyrene	15.47	252	353361	21.257	ng	# 96
90) Dibenzo(a,h)anthracene	17.04	278	39403m	2.920	ng	
91) Benzo(a,h,i)perylene	17.49	276	124241	9.408	ng	97

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

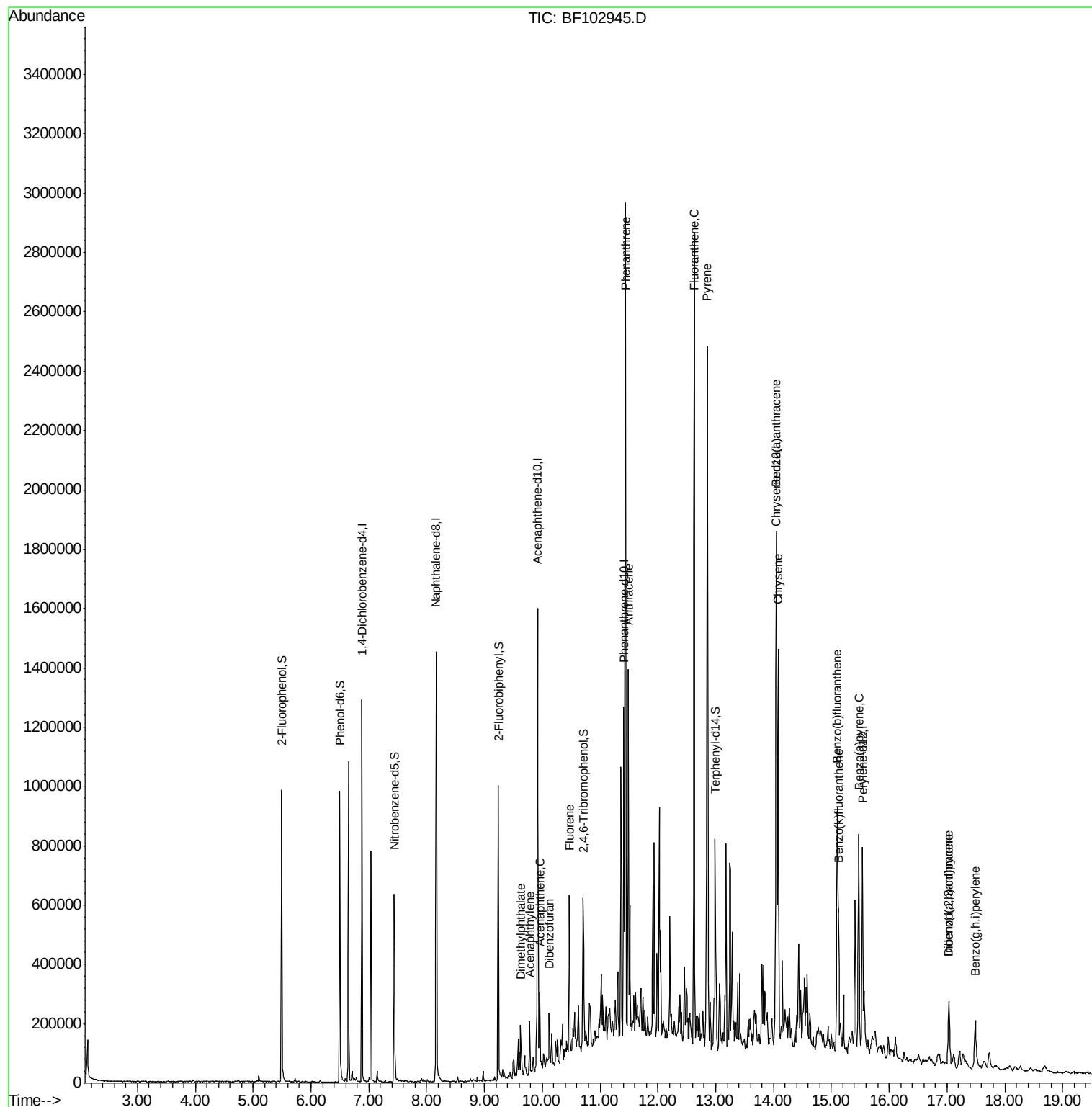
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF021218\
Data File : BF102945.D
Acq On : 13 Feb 2018 3:13
Operator : SJ/JU
Sample : J1526-01DL 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

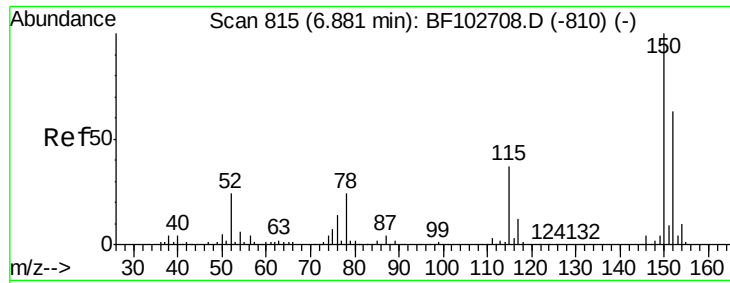
Instrument :
BNA_F
ClientSampleId :
RO-1-2DL

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Quant Time: Feb 13 05:30:36 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

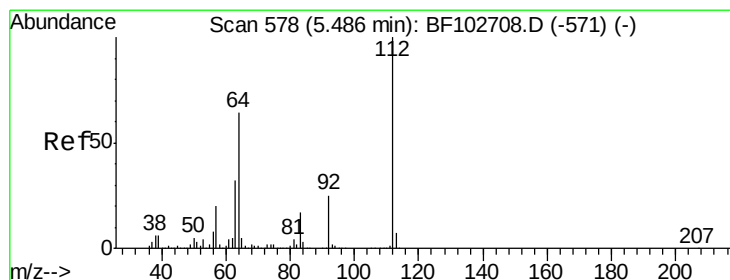
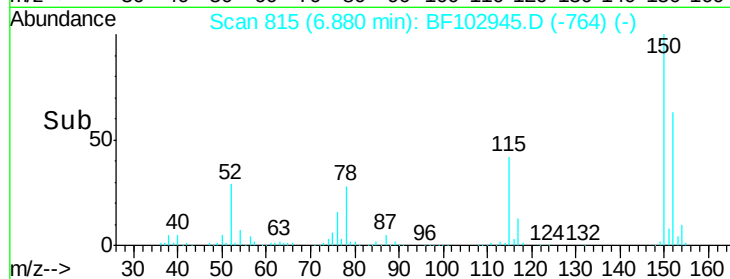
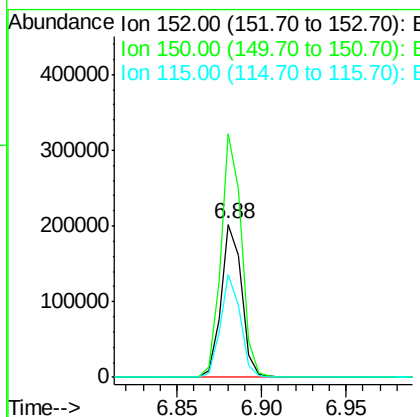
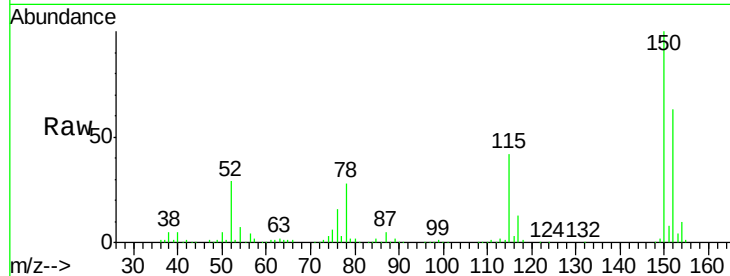
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF102945.D
Acq: 13 Feb 2018 3:13

Instrument :
BNA_F
ClientSampleId :
RO-1-2DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	124.6	186.8
115	67.4	50.1	75.1

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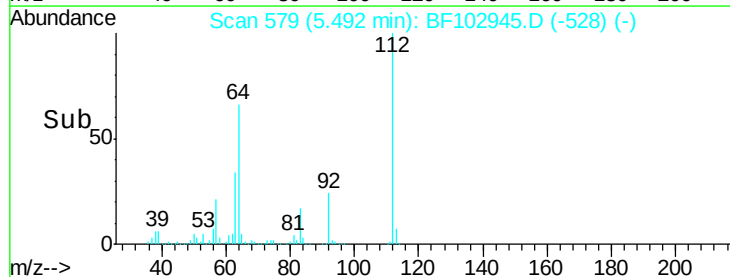
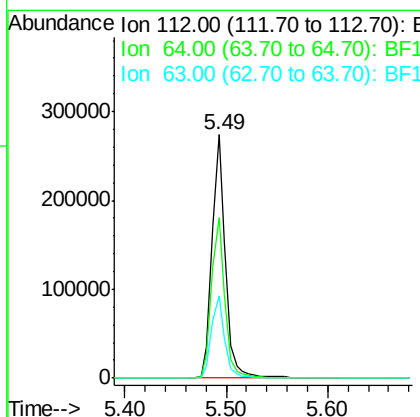
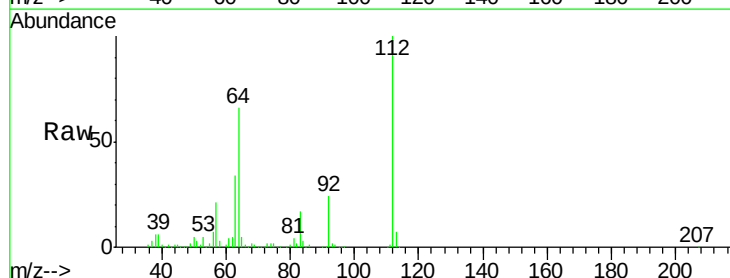
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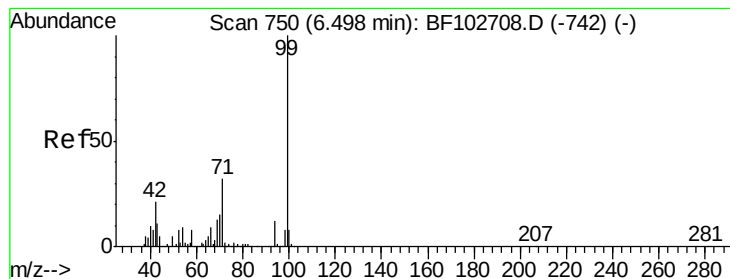


#5

2-Fluorophenol
Concen: 22.244 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.00 min
Lab File: BF102945.D
Acq: 13 Feb 2018 3:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.0	47.9	71.9
63	33.9	23.7	35.5





#7

Phenol-d6

Concen: 22.001 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF102945.D

Acq: 13 Feb 2018 3:13

Instrument :

BNA_F

ClientSampleId :

RO-1-2DL

Tot Ion: 99 Resp: 298876

Ion Ratio Lower Upper

99 100

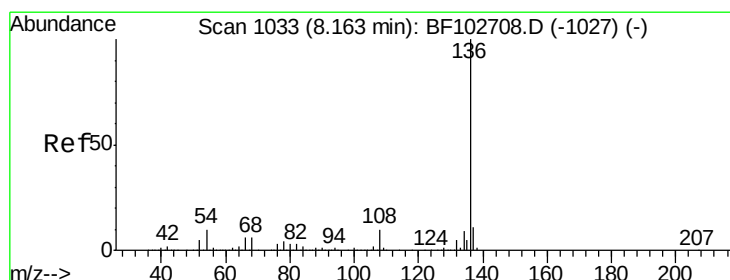
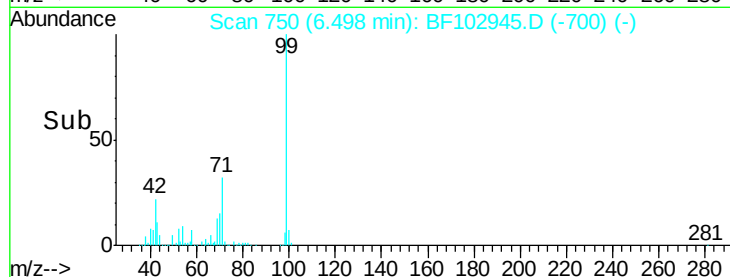
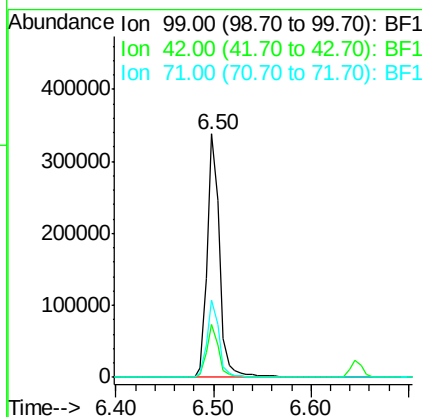
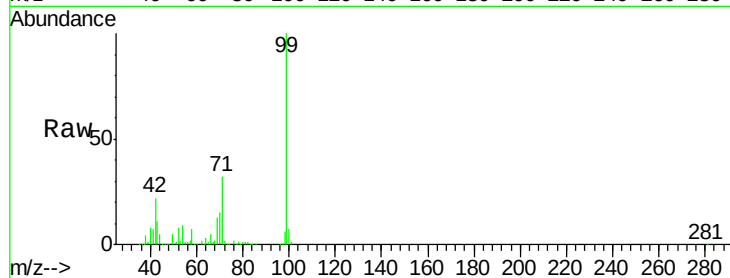
42 21.8 14.5 21.7#

71 31.6 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BF102945.D

Acq: 13 Feb 2018 3:13

Tgt Ion: 136 Resp: 699004

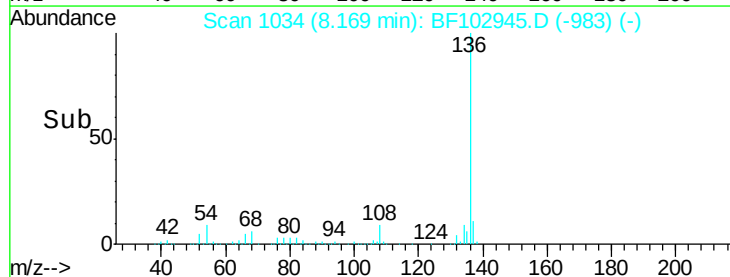
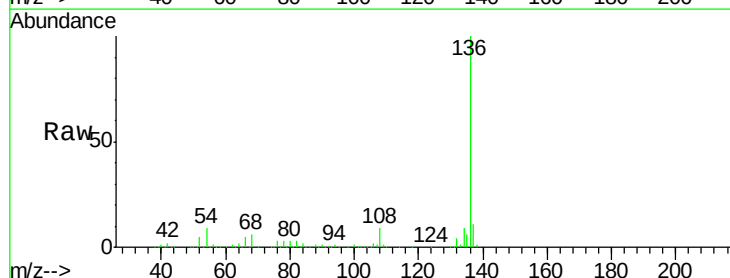
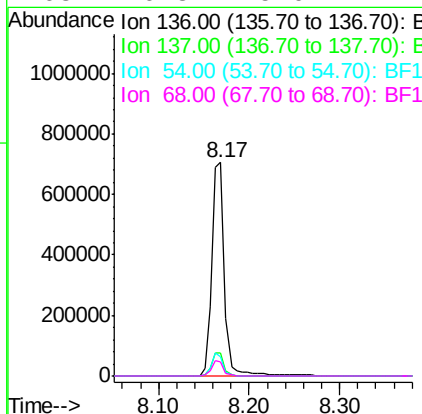
Ion Ratio Lower Upper

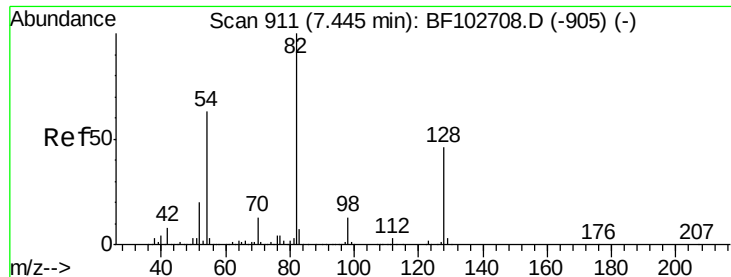
136 100

137 10.6 8.9 13.3

54 8.8 6.6 9.8

68 6.3 5.0 7.4





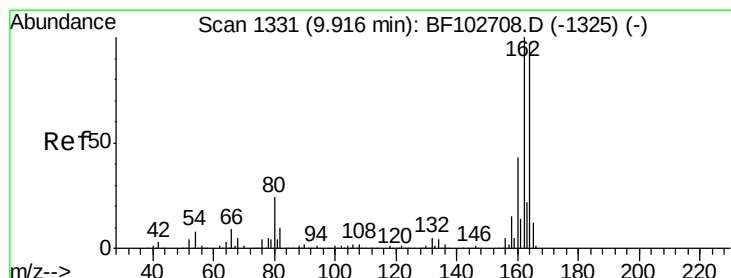
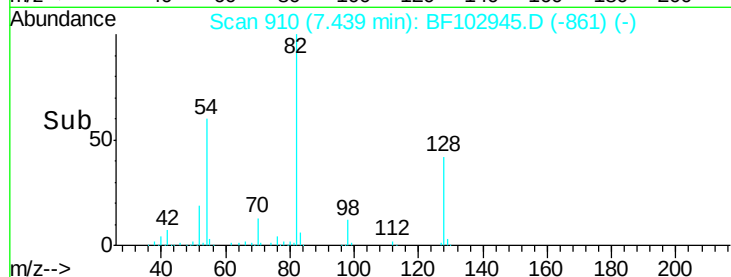
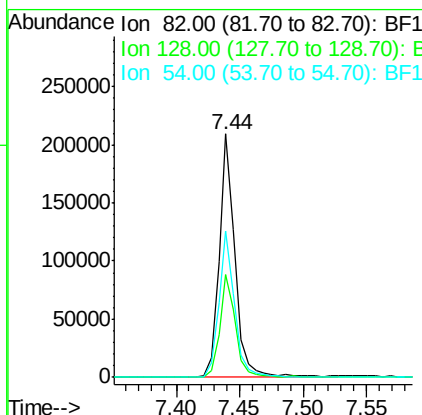
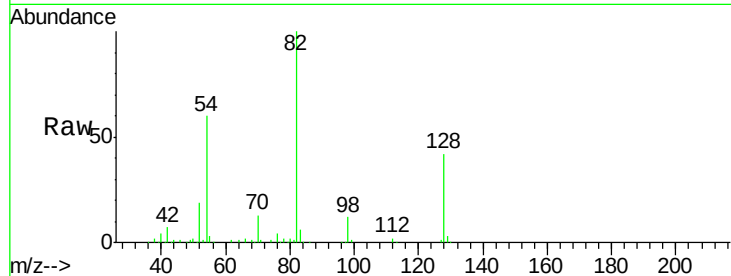
#23
 Nitrobenzene-d5
 Concen: 18.277 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: BF102945.D
 Acq: 13 Feb 2018 3:13

Instrument :
 BNA_F
 ClientSampled :
 RO-1-2DL

Tot Ion	Ratio	Resp	Lower	Upper
82	100	184169		
128	42.1	36.1	54.1	
54	60.1	41.4	62.2	

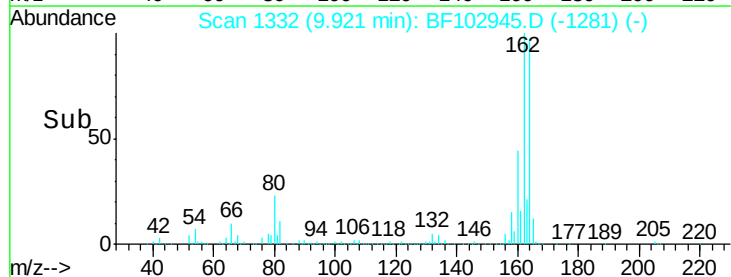
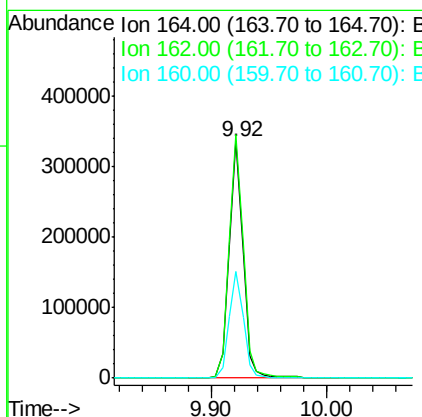
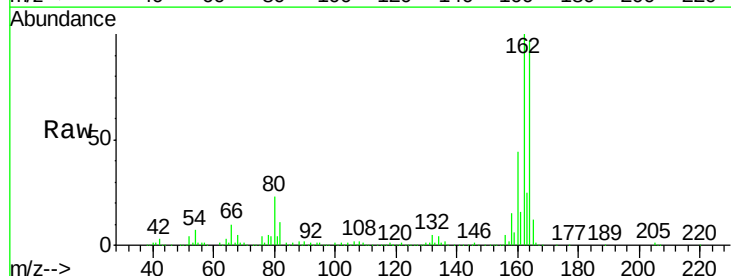
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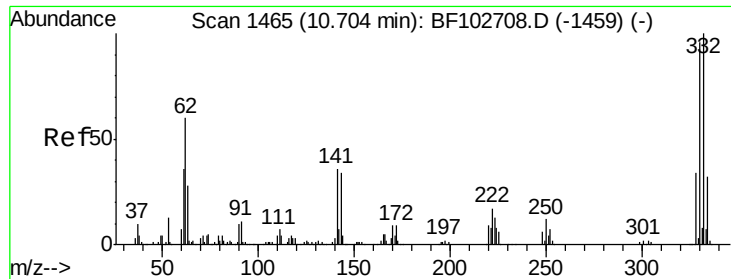
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: BF102945.D
 Acq: 13 Feb 2018 3:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	282246		
162	102.8	86.1	129.1	
160	44.9	38.3	57.5	





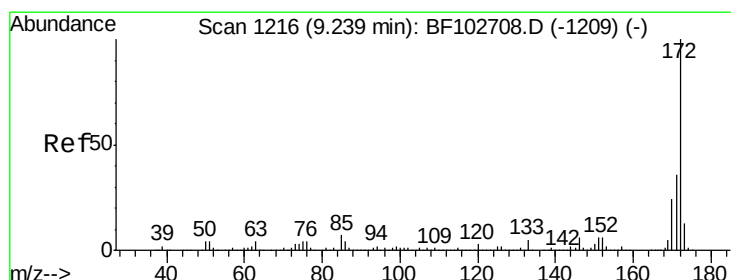
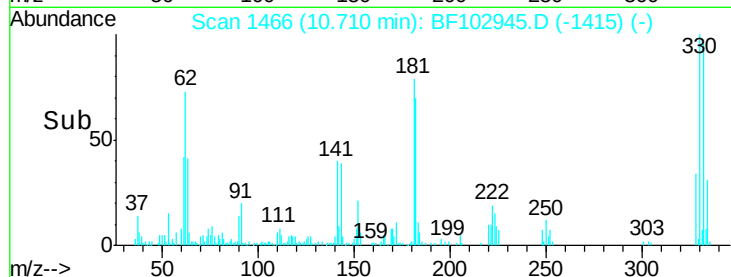
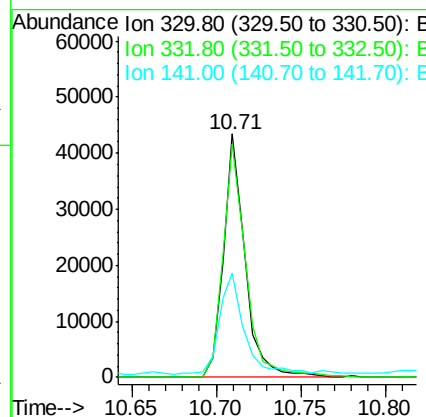
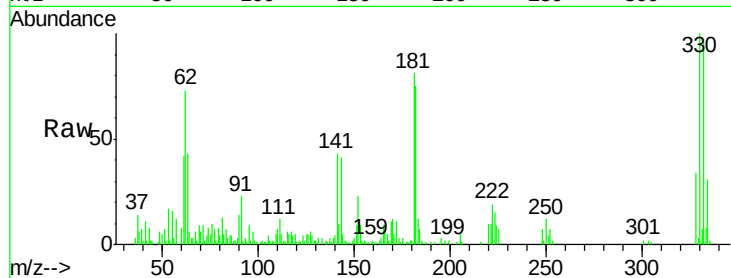
#41
 2,4,6-Tribromophenol
 Concen: 17.190 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF102945.D
 Acq: 13 Feb 2018 3:13

Instrument :
 BNA_F
 ClientSampled :
 RO-1-2DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	101.7	77.0	115.6
141	47.4	29.9	44.9

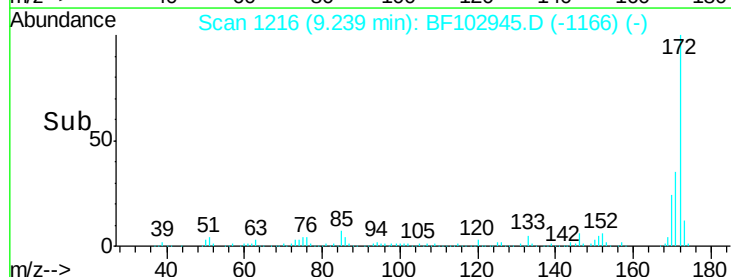
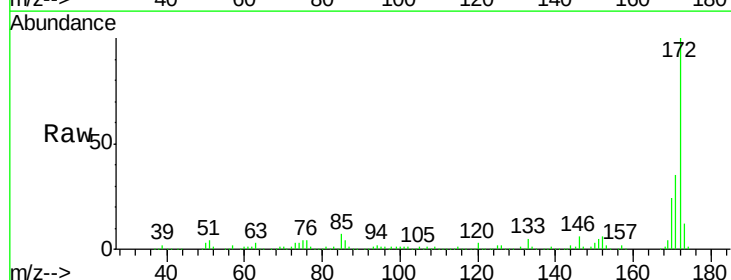
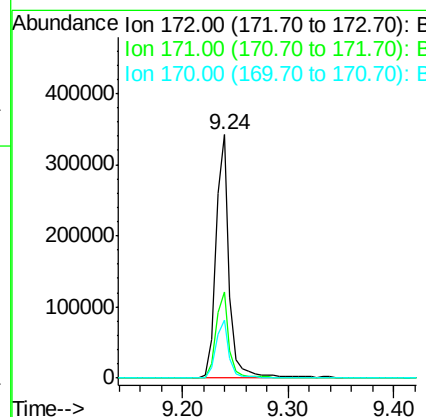
Manual Integrations
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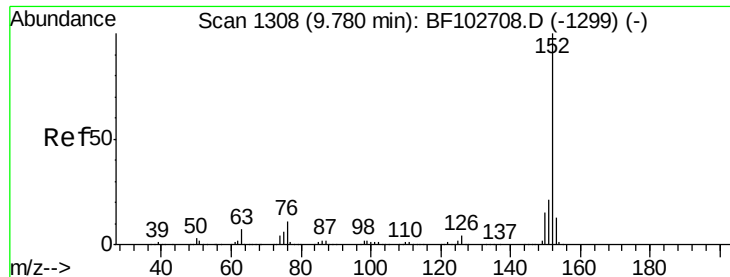
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#44
 2-Fluorobiphenyl
 Concen: 17.822 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF102945.D
 Acq: 13 Feb 2018 3:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	23.9	19.6	29.4





#48

Acenaphthylene

Concen: 2.108 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF102945.D

Acq: 13 Feb 2018 3:13

Instrument :

BNA_F

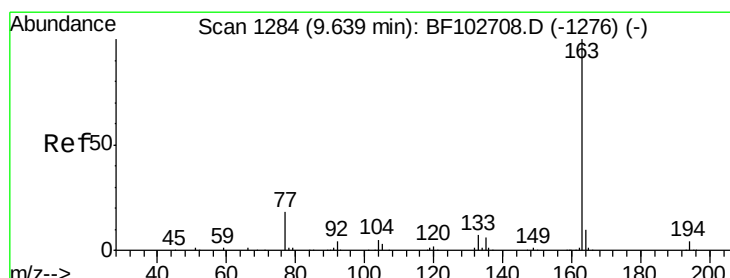
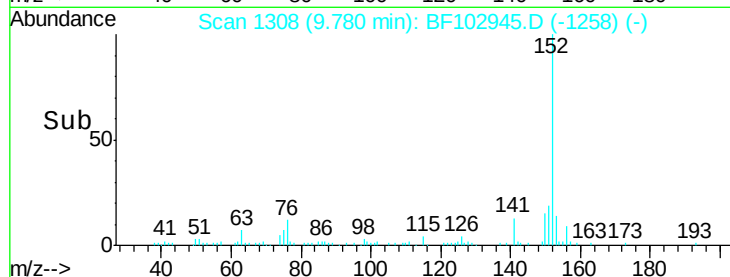
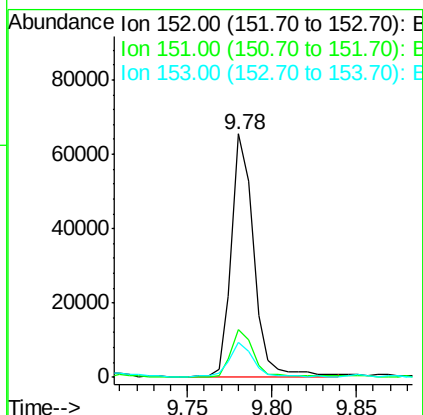
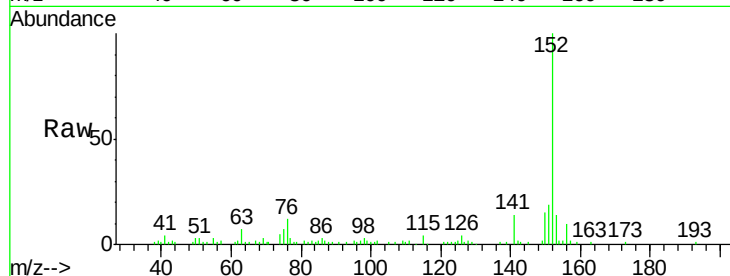
ClientSampleId :

RO-1-2DL

Tot Ion:	152	Resp:	61287
Ion Ratio	Lower	Upper	
152	100		
151	19.5	16.3	24.5
153	14.2	10.7	16.1

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#49

Dimethylphthalate

Concen: 2.826 ng

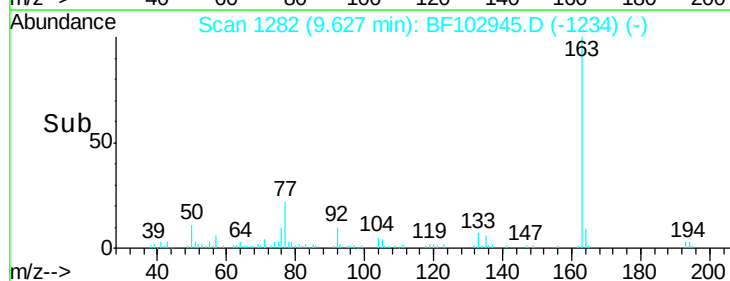
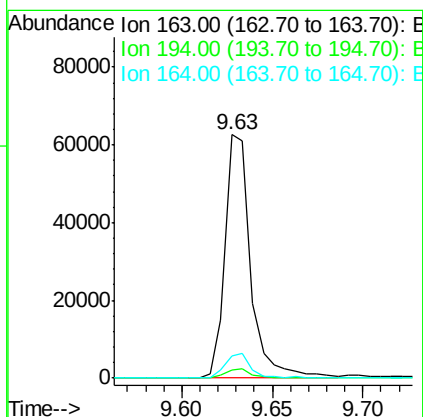
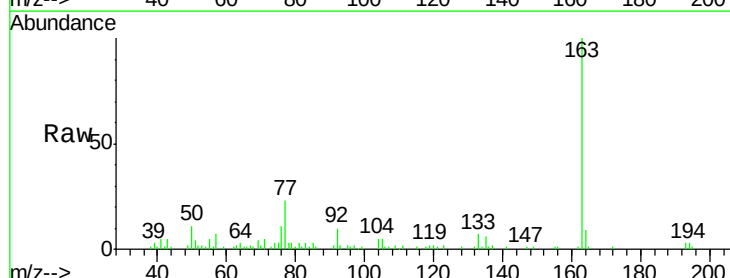
RT: 9.63 min Scan# 1282

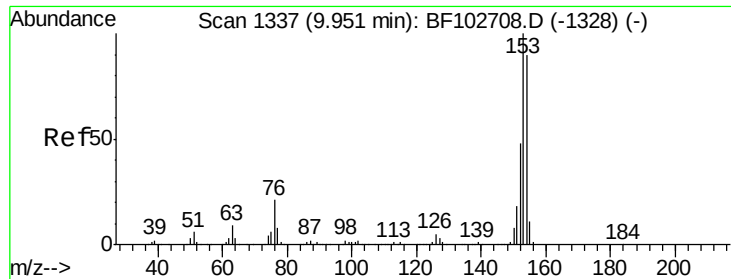
Delta R.T. -0.02 min

Lab File: BF102945.D

Acq: 13 Feb 2018 3:13

Tgt Ion:	163	Resp:	62196
Ion Ratio	Lower	Upper	
163	100		
194	3.1	2.7	4.1
164	8.9	8.2	12.2





#51

Acenaphthene

Concen: 2.740 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF102945.D

Acq: 13 Feb 2018 3:13

Instrument :

BNA_F

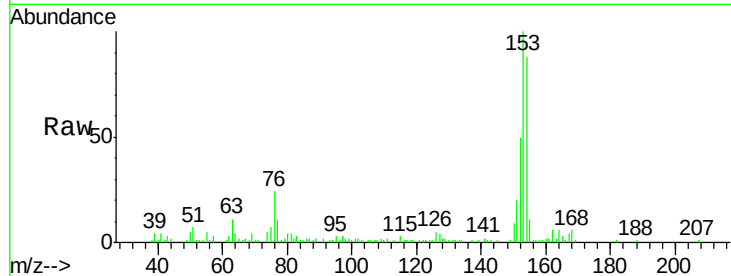
ClientSampleId :

RO-1-2DL

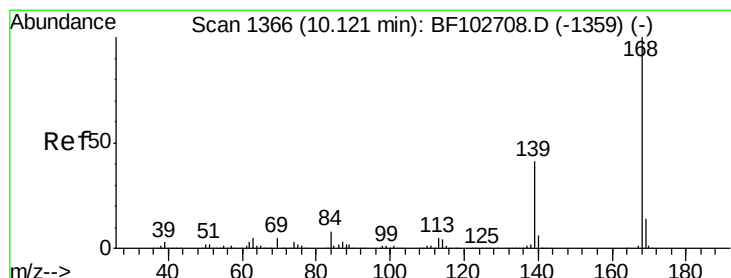
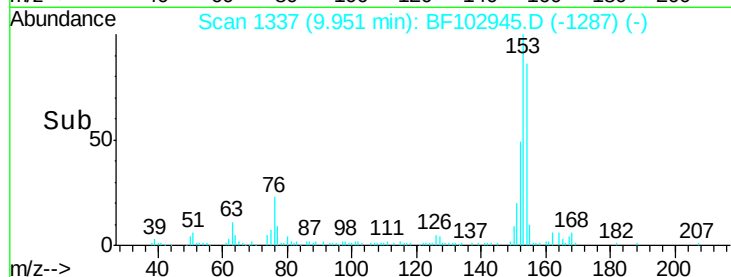
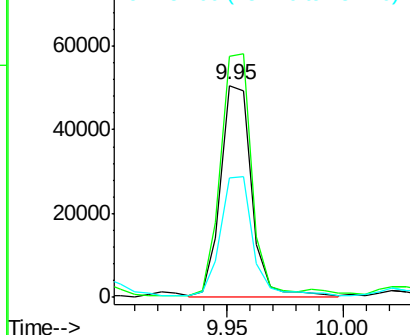
Tot Ion:	154	Resp:	47628
Ion Ratio	Lower	Upper	
154	100		
153	114.2	91.2	136.8
152	56.7	43.8	65.8

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.060 ng

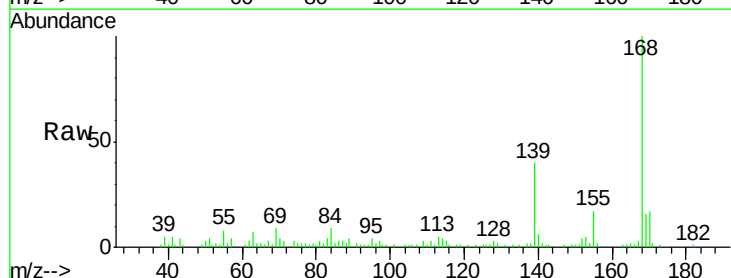
RT: 10.13 min Scan# 1367

Delta R.T. -0.00 min

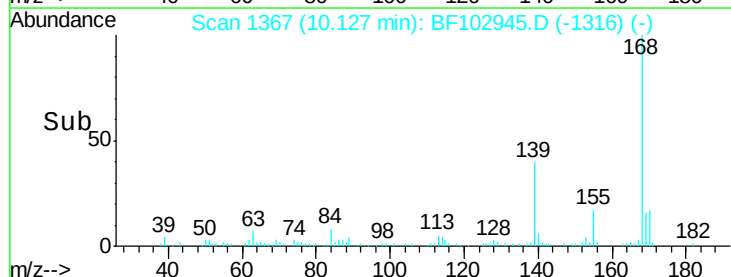
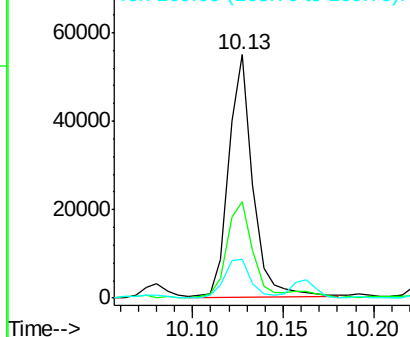
Lab File: BF102945.D

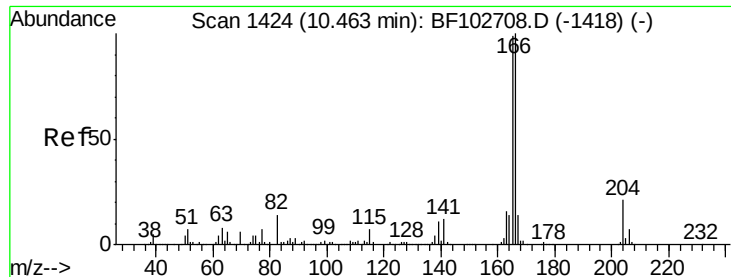
Acq: 13 Feb 2018 3:13

Tgt Ion:	168	Resp:	50466
Ion Ratio	Lower	Upper	
168	100		
139	39.7	30.1	45.1
169	15.9	10.9	16.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





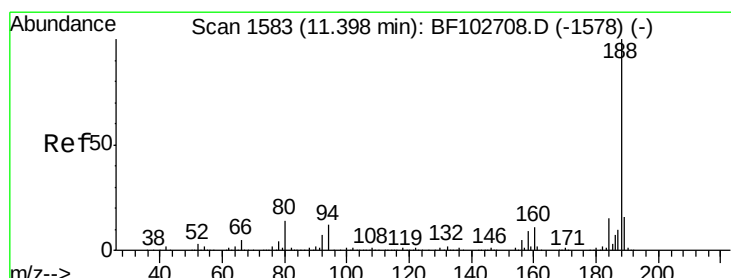
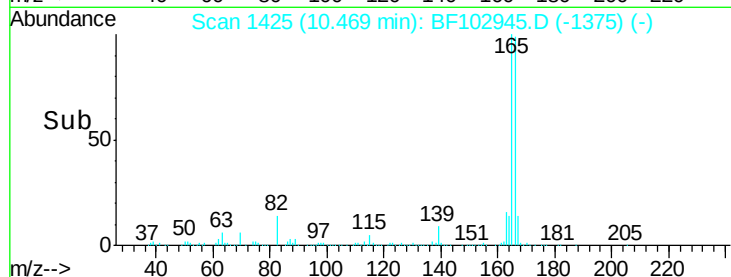
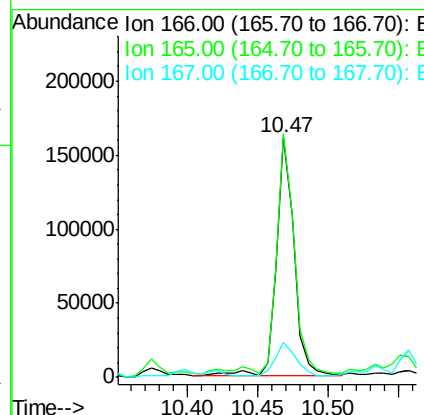
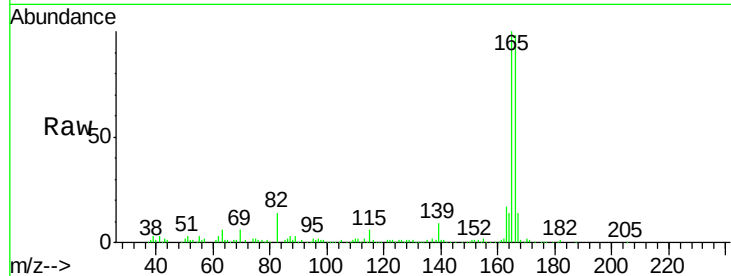
#57
Fluorene
 Concen: 8.022 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: BF102945.D
 Acq: 13 Feb 2018 3:13

Instrument :
 BNA_F
 ClientSampleId :
 RO-1-2DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	101.7	79.8	119.8
167	14.6	10.6	16.0

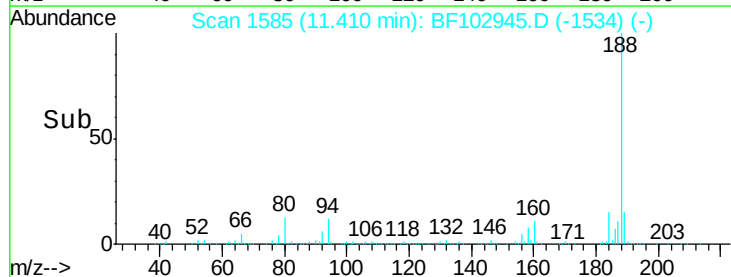
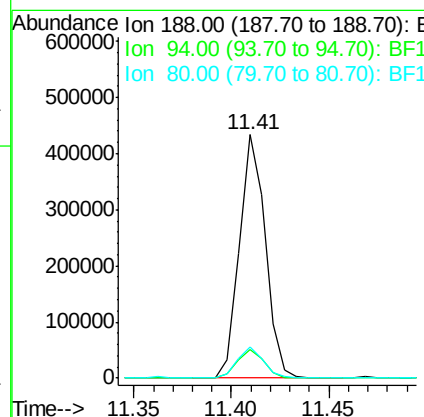
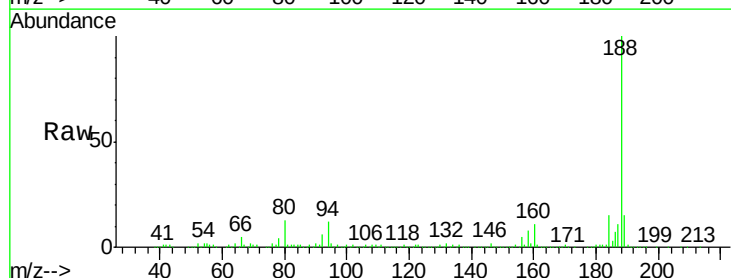
Manual Integrations
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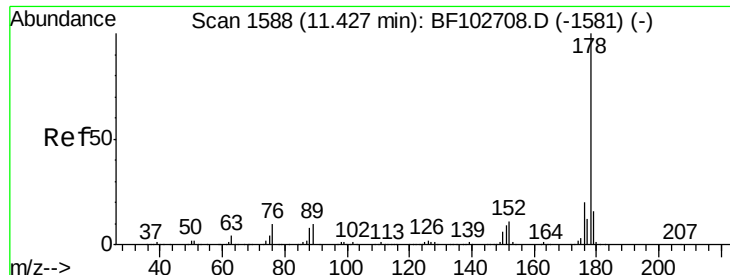
Sohil
 2/13/2018 11:26:37 AM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: BF102945.D
 Acq: 13 Feb 2018 3:13

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.8	8.5	12.7
80	12.8	9.2	13.8





#70

Phenanthrene

Concen: 45.996 ng

RT: 11.44 min Scan# 1590

Delta R.T. 0.01 min

Lab File: BF102945.D

Acq: 13 Feb 2018 3:13

Instrument :

BNA_F

ClientSampled :

RO-1-2DL

Tot Ion:178 Resp: 1030246

Ion Ratio Lower Upper

178 100

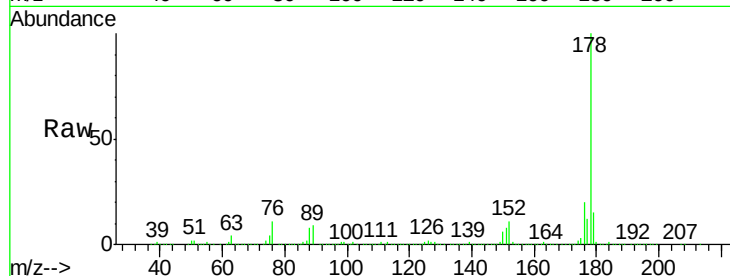
176 19.6 15.8 23.8

179 15.3 13.0 19.6

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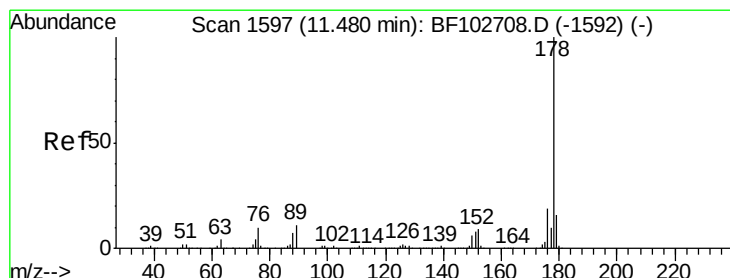
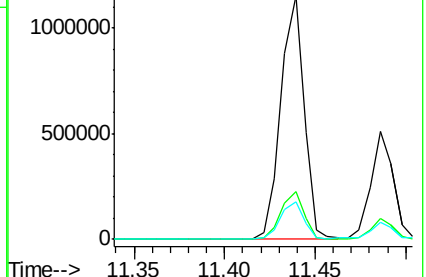
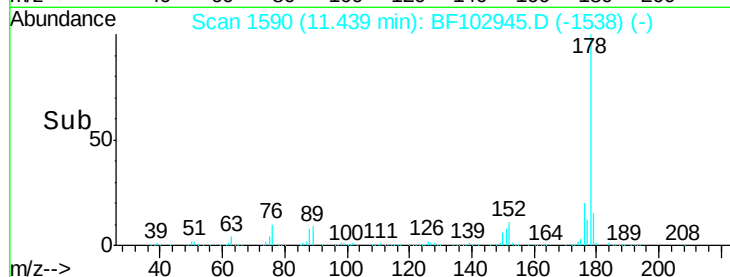
2/13/2018 11:26:37 AM



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



#71

Anthracene

Concen: 19.571 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.00 min

Lab File: BF102945.D

Acq: 13 Feb 2018 3:13

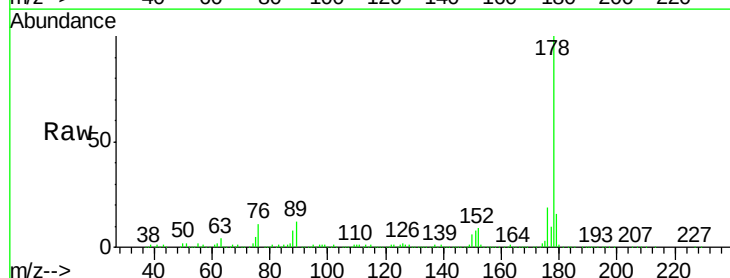
Tgt Ion:178 Resp: 445851

Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.2

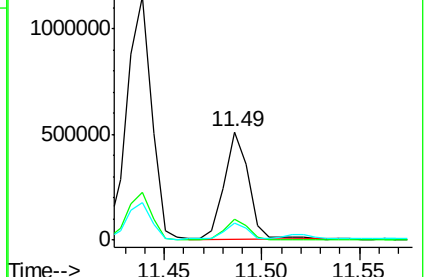
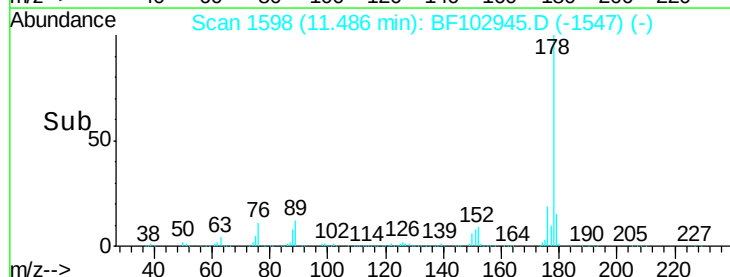
179 15.6 12.6 19.0

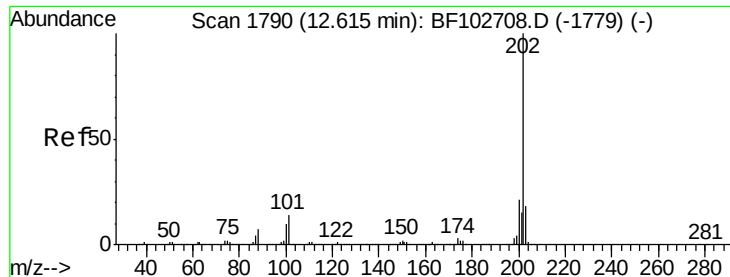


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 45.911 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.01 min

Lab File: BF102945.D

Acq: 13 Feb 2018 3:13

Instrument :

BNA_F

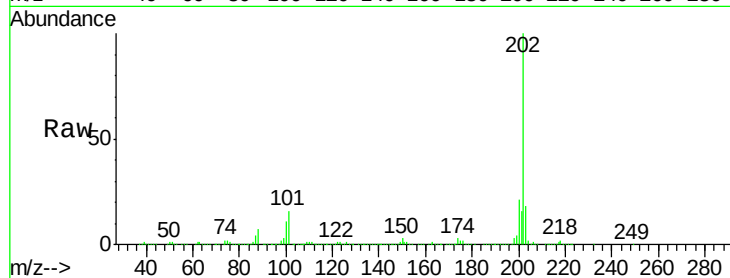
ClientSampled :

RO-1-2DL

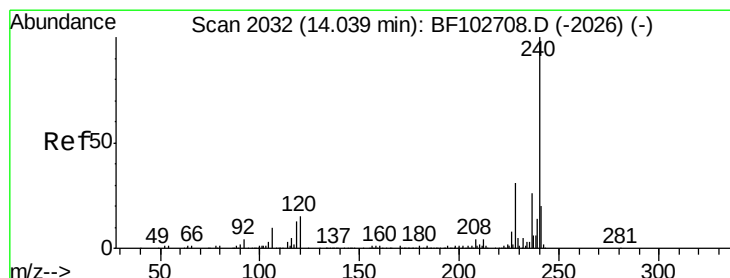
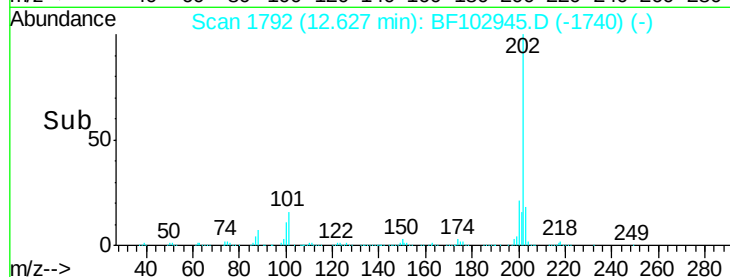
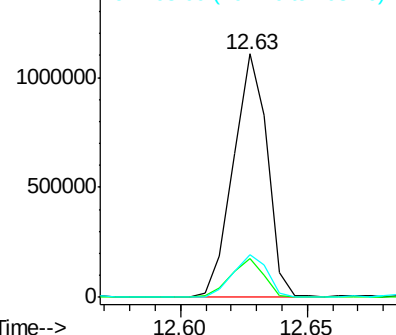
Tot Ion:	202	Resp:	1034648
Ion Ratio	Lower	Upper	
202	100		
101	15.9	0.0	34.1
203	17.6	0.0	38.1

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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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

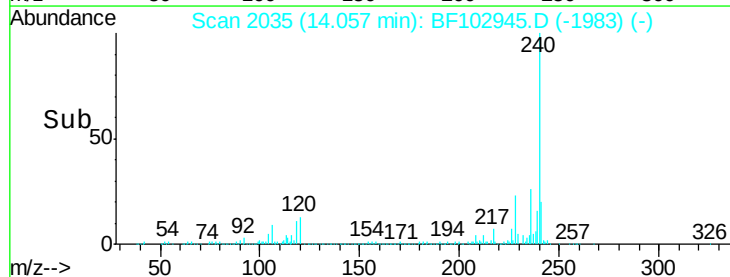
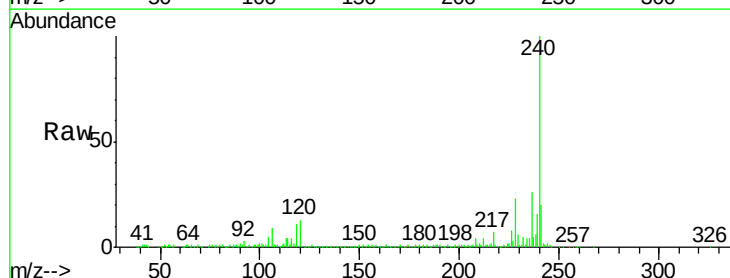
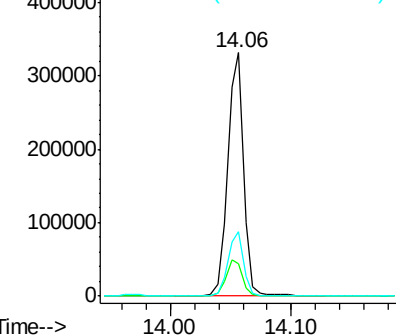
Delta R.T. 0.01 min

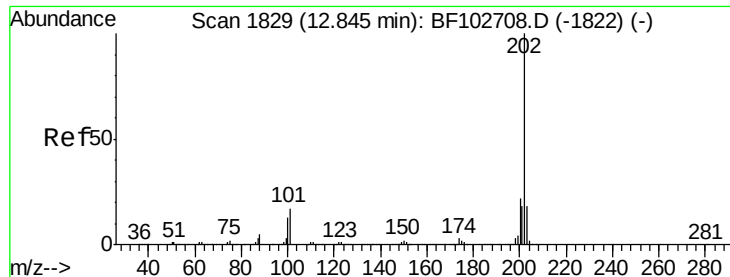
Lab File: BF102945.D

Acq: 13 Feb 2018 3:13

Tgt Ion:	240	Resp:	304441
Ion Ratio	Lower	Upper	
240	100		
120	13.1	9.5	14.3
236	26.3	20.7	31.1

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





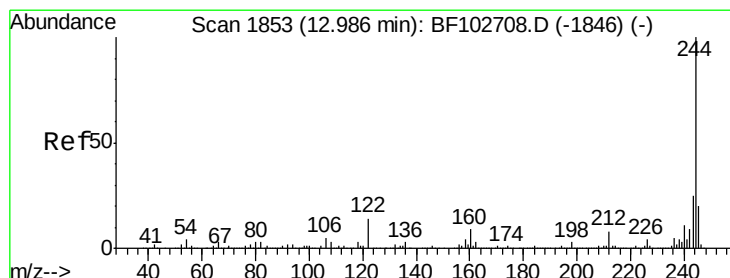
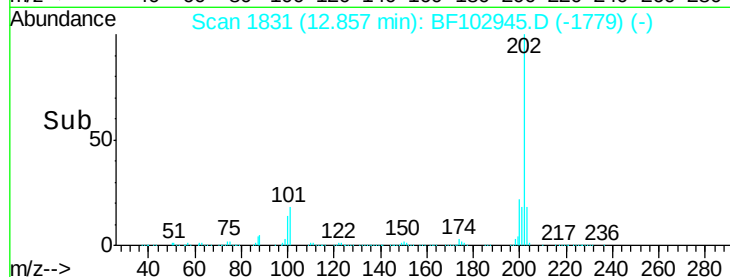
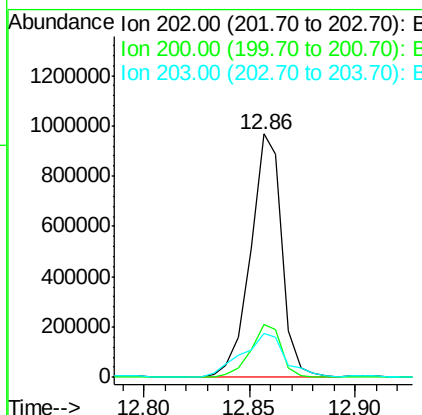
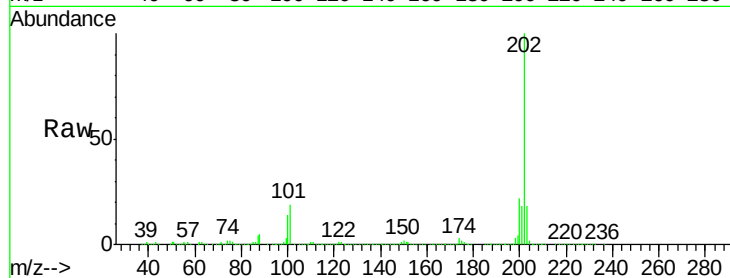
#77
Pvrene
Concen: 41.688 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.01 min
Lab File: BF102945.D
Acq: 13 Feb 2018 3:13

Instrument :
BNA_F
ClientSampleId :
RO-1-2DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.6	17.4	26.2
203	18.0	14.3	21.5

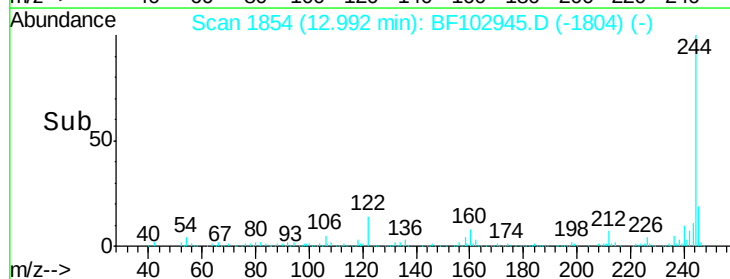
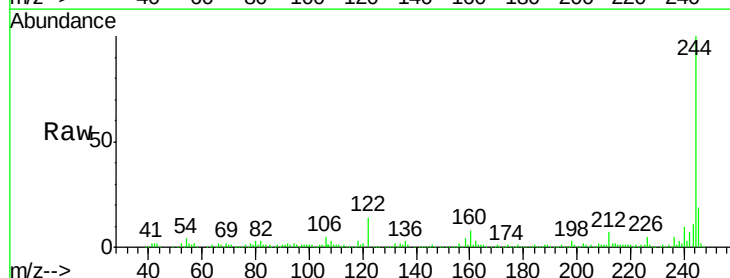
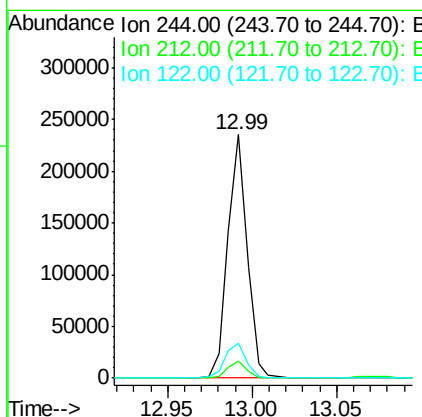
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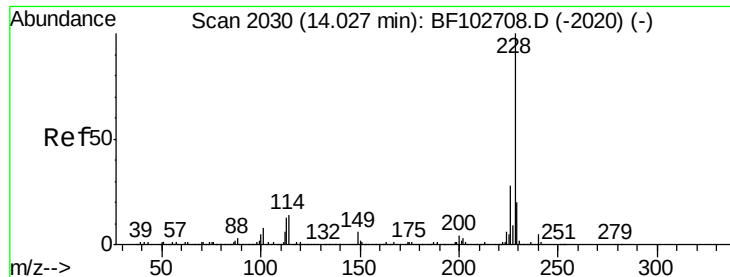
Sohil
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#78
Terphenyl-d14
Concen: 14.575 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF102945.D
Acq: 13 Feb 2018 3:13

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.2	5.4	8.0
122	14.3	11.0	16.4





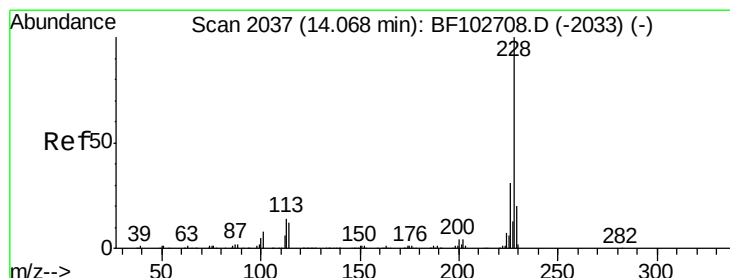
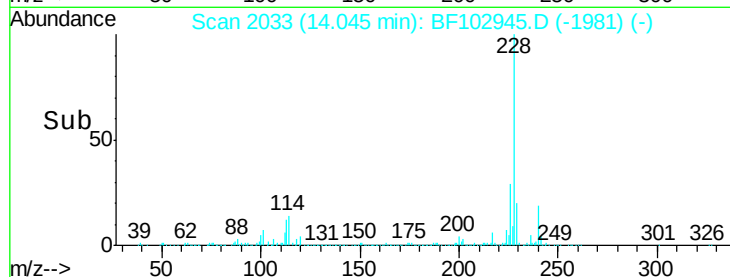
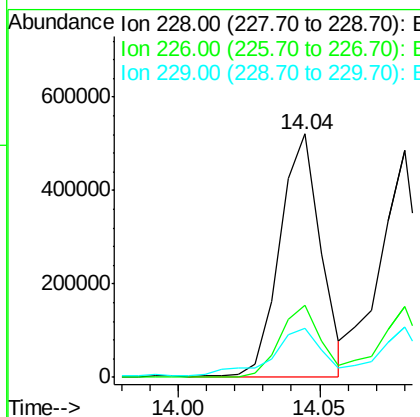
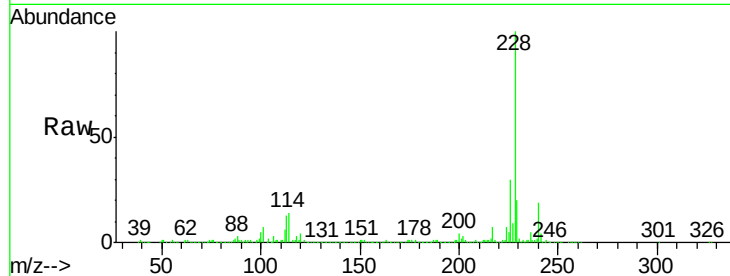
#80
Benzo(a)anthracene
Concen: 27.123 ng
RT: 14.04 min Scan# 2033
Delta R.T. 0.01 min
Lab File: BF102945.D
Acq: 13 Feb 2018 3:13

Instrument :
BNA_F
ClientSampled :
RO-1-2DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.6	33.8
229	20.3	15.8	23.6

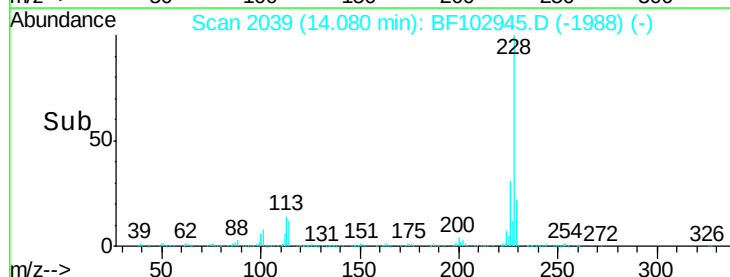
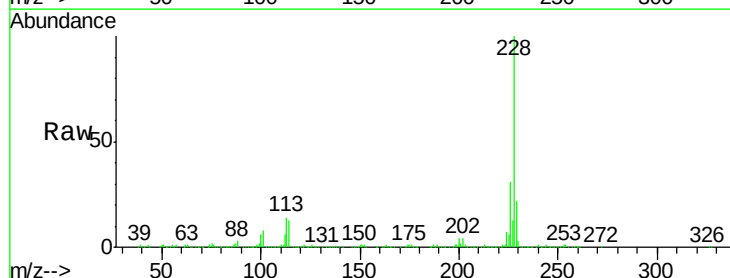
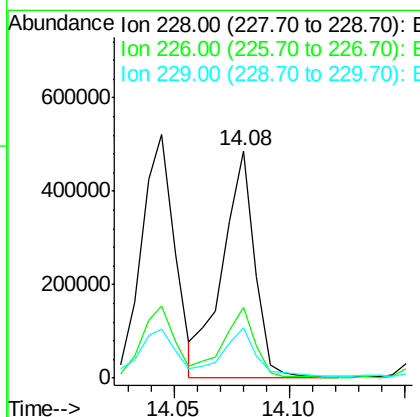
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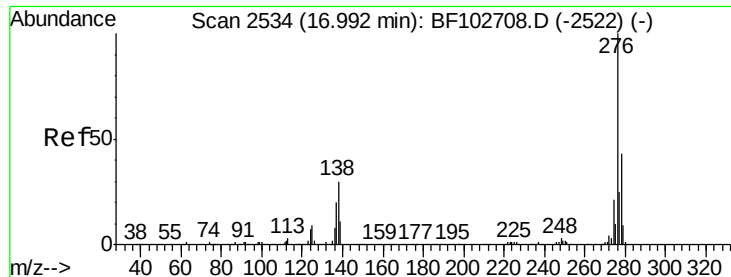
Sohil
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#82
Chrysene
Concen: 24.257 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.00 min
Lab File: BF102945.D
Acq: 13 Feb 2018 3:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.0	37.6
229	22.3	16.2	24.4





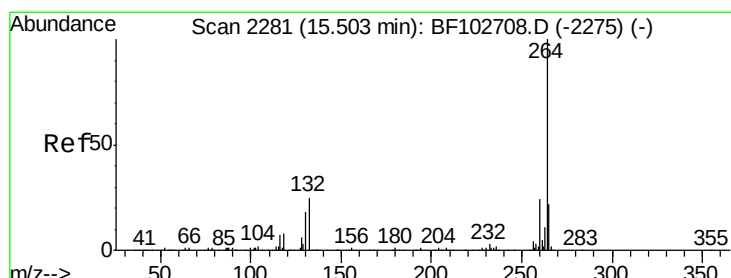
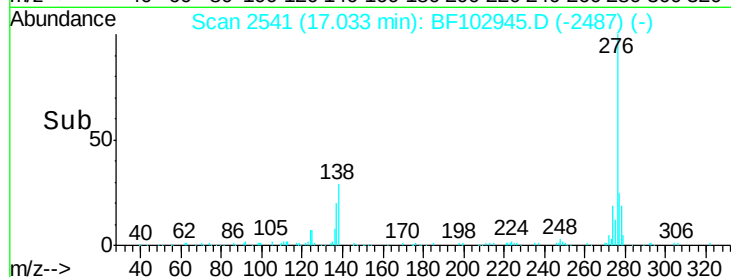
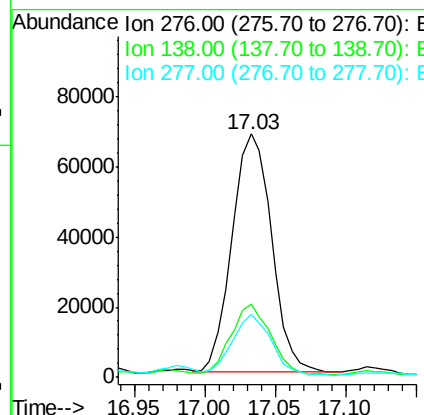
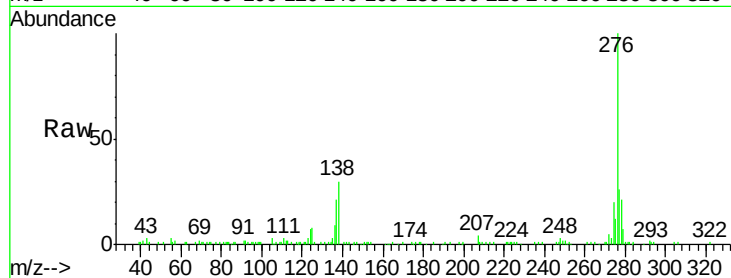
#85
Indeno(1,2,3-cd)pyrene
Concen: 8.288 ng
RT: 17.03 min Scan# 2541
Delta R.T. 0.02 min
Lab File: BF102945.D
Acq: 13 Feb 2018 3:13

Instrument :
BNA_F
ClientSampleId :
RO-1-2DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.8	25.0	37.6
277	25.7	20.1	30.1

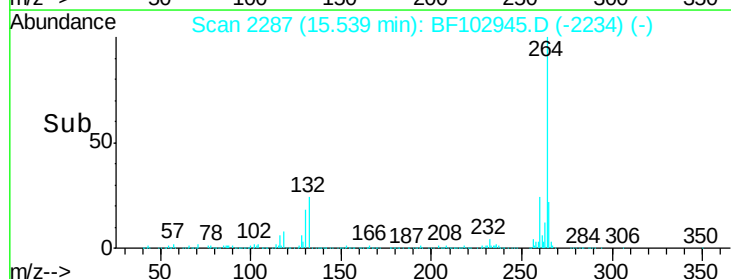
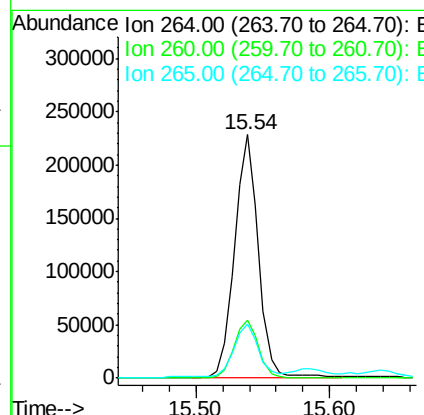
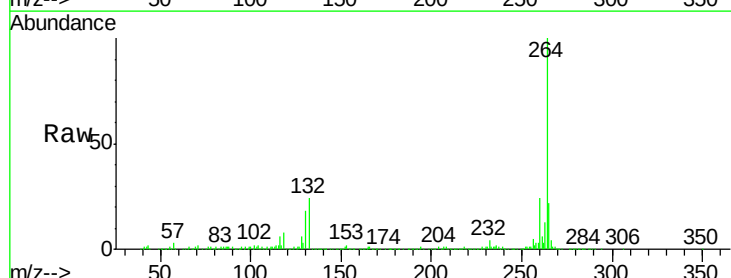
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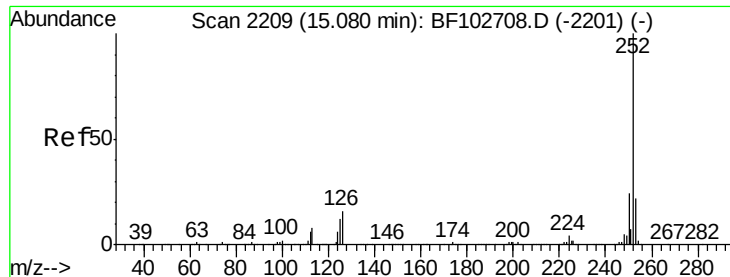
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BF102945.D
Acq: 13 Feb 2018 3:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	22.2	17.5	26.3





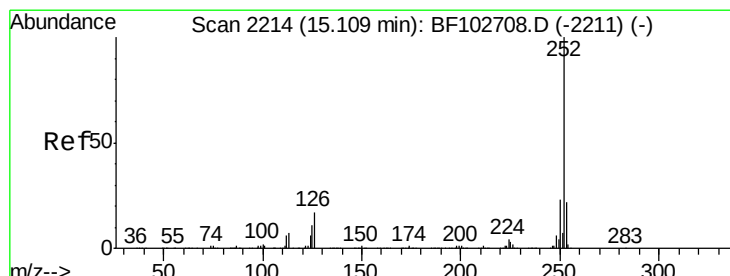
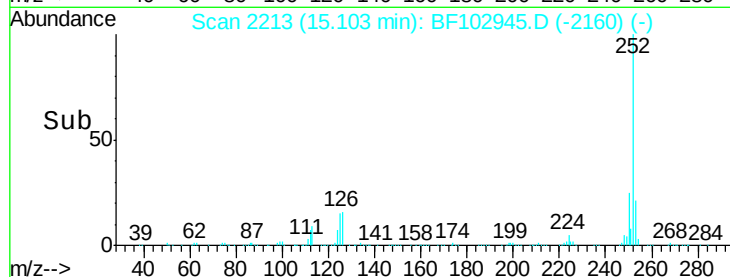
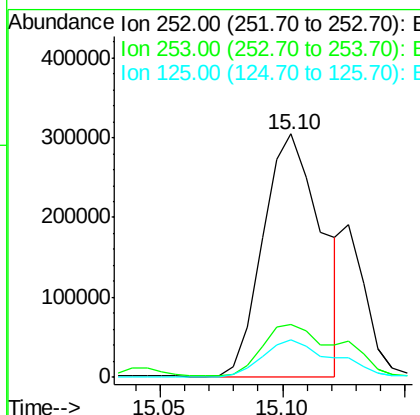
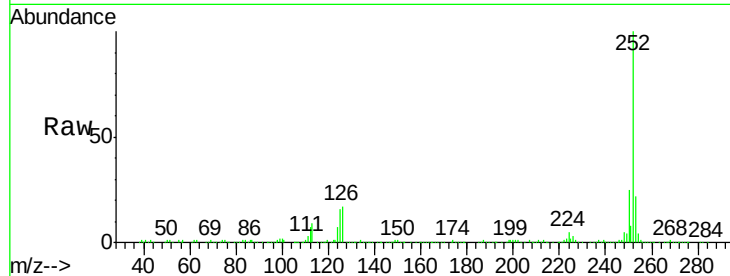
#87
Benzo(b)fluoranthene
Concen: 27.368 ng m
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF102945.D
Acq: 13 Feb 2018 3:13

Instrument :
BNA_F
ClientSampleId :
RO-1-2DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.6
125	15.7	9.0	13.6

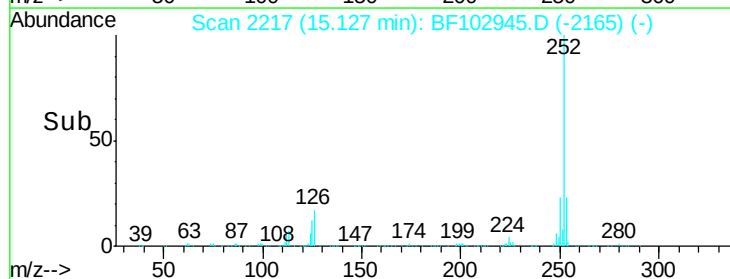
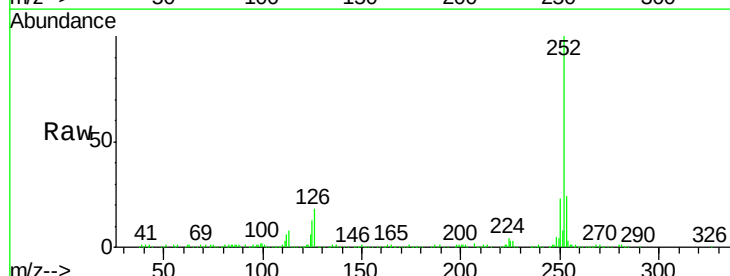
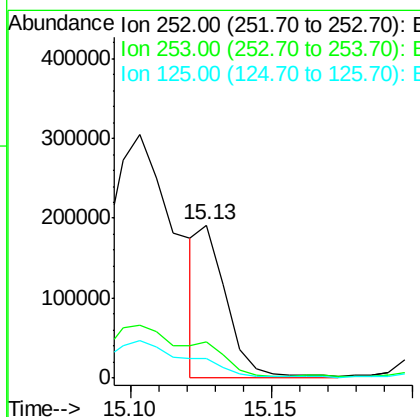
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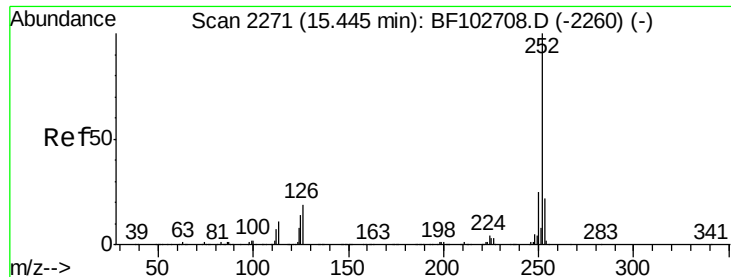
Sohil
2/13/2018 11:26:37 AM



#88
Benzo(k)fluoranthene
Concen: 7.303 ng m
RT: 15.13 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF102945.D
Acq: 13 Feb 2018 3:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	12.9	10.2	15.2





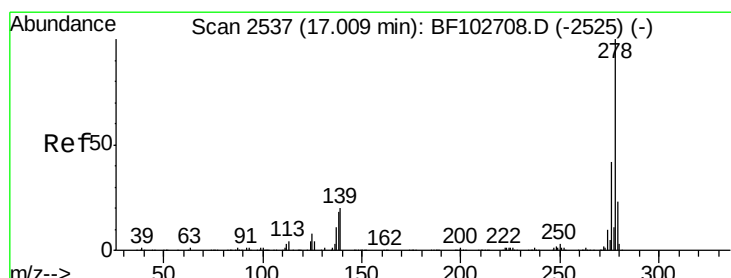
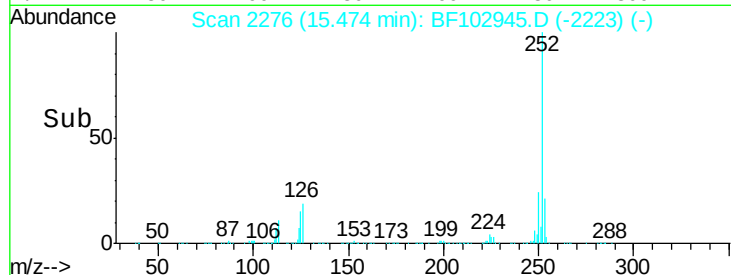
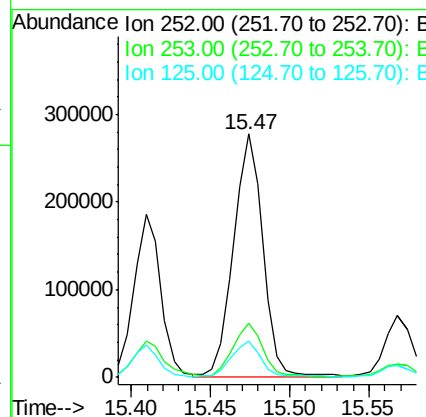
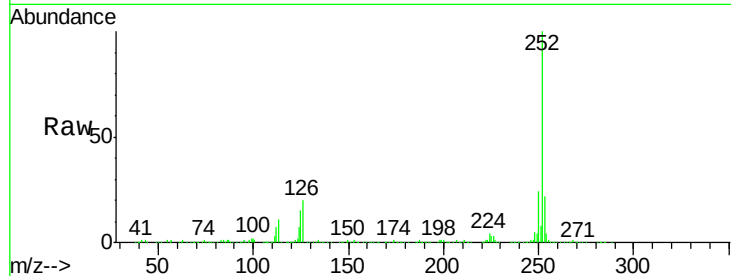
#89
Benzo(a)pyrene
Concen: 21.257 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF102945.D
Acq: 13 Feb 2018 3:13

Instrument :
BNA_F
ClientSampleId :
RO-1-2DL

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.1	17.1	25.7
125	15.1	9.8	14.6

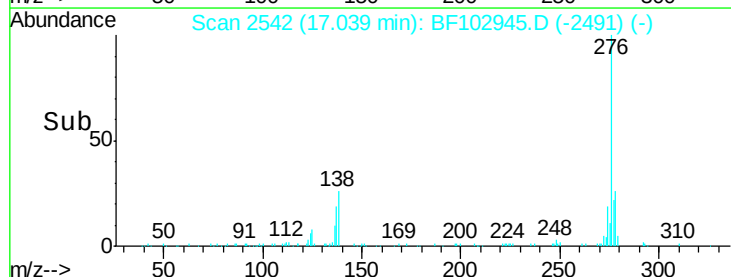
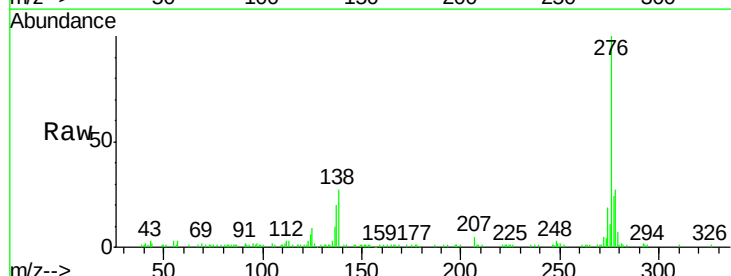
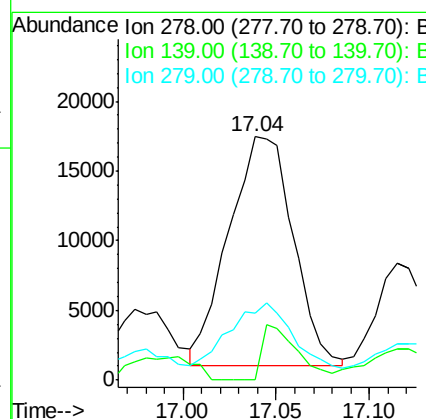
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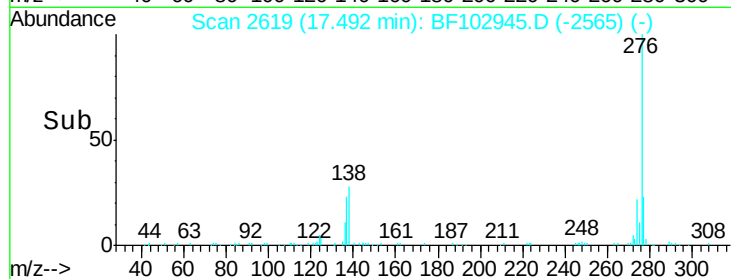
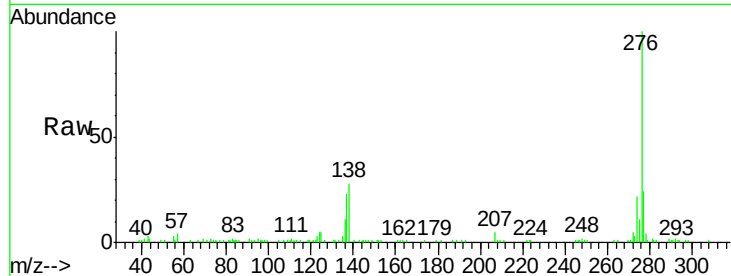
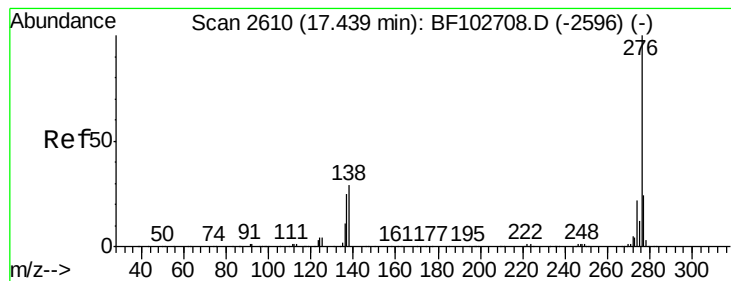
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 2.920 ng m
RT: 17.04 min Scan# 2542
Delta R.T. -0.00 min
Lab File: BF102945.D
Acq: 13 Feb 2018 3:13

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	0.0	15.9	23.9
279	27.7	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 9.408 ng

RT: 17.49 min Scan# 2619

Delta R.T. 0.02 min

Lab File: BF102945.D

Acq: 13 Feb 2018 3:13

Instrument :

BNA_F

ClientSampleId :

RO-1-2DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.9	17.9	26.9
138	28.3	21.8	32.8

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