

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF021218\
 Data File : BF102939.D
 Acq On : 13 Feb 2018 00:33
 Operator : SJ/JU
 Sample : J1522-02 50X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-06

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

Quant Time: Feb 13 02:39:15 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	160798	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	628425	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	246412	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	339391	20.00	ng	0.00
75) Chrysene-d12	14.05	240	284644	20.00	ng	0.00
86) Perylene-d12	15.54	264	265387	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	3868	0.37	ng	0.00
7) Phenol-d6	6.50	99	5581	0.44	ng	0.00
23) Nitrobenzene-d5	7.44	82	3379	0.37	ng	-0.01
41) 2,4,6-Tribromophenol	10.71	330	430	0.22	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	6767	0.46	ng	0.00
78) Terphenyl-d14	12.99	244	4787	0.40	ng	0.00
Target Compounds						
31) Naphthalene	8.19	128	1553309	50.591	ng	99
37) 2-Methylnaphthalene	8.88	142	161331	8.026	ng	100
45) 1,1'-Biphenyl	9.34	154	47353	2.282	ng	95
48) Acenaphthylene	9.78	152	277583	10.938	ng	99
54) Dibenzofuran	10.13	168	182589	8.537	ng	98
57) Fluorene	10.47	166	218125	14.017	ng	100
70) Phenanthrene	11.44	178	944063	49.946	ng	99
71) Anthracene	11.49	178	374768	19.494	ng	99
72) Carbazole	11.64	167	145073	7.703	ng	97
74) Fluoranthene	12.63	202	754057	39.651	ng	99
77) Pyrene	12.86	202	607930	27.236	ng	99
80) Benzo(a)anthracene	14.04	228	315166m	17.606	ng	
82) Chrysene	14.08	228	276265	15.309	ng	97
85) Indeno(1,2,3-cd)pyrene	17.03	276	87880	5.872	ng	97
87) Benzo(b)fluoranthene	15.10	252	295754m	17.189	ng	
88) Benzo(k)fluoranthene	15.13	252	124296m	7.560	ng	
89) Benzo(a)pyrene	15.47	252	222465	14.364	ng	97
91) Benzo(g,h,i)perylene	17.49	276	78011	6.340	ng	98

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

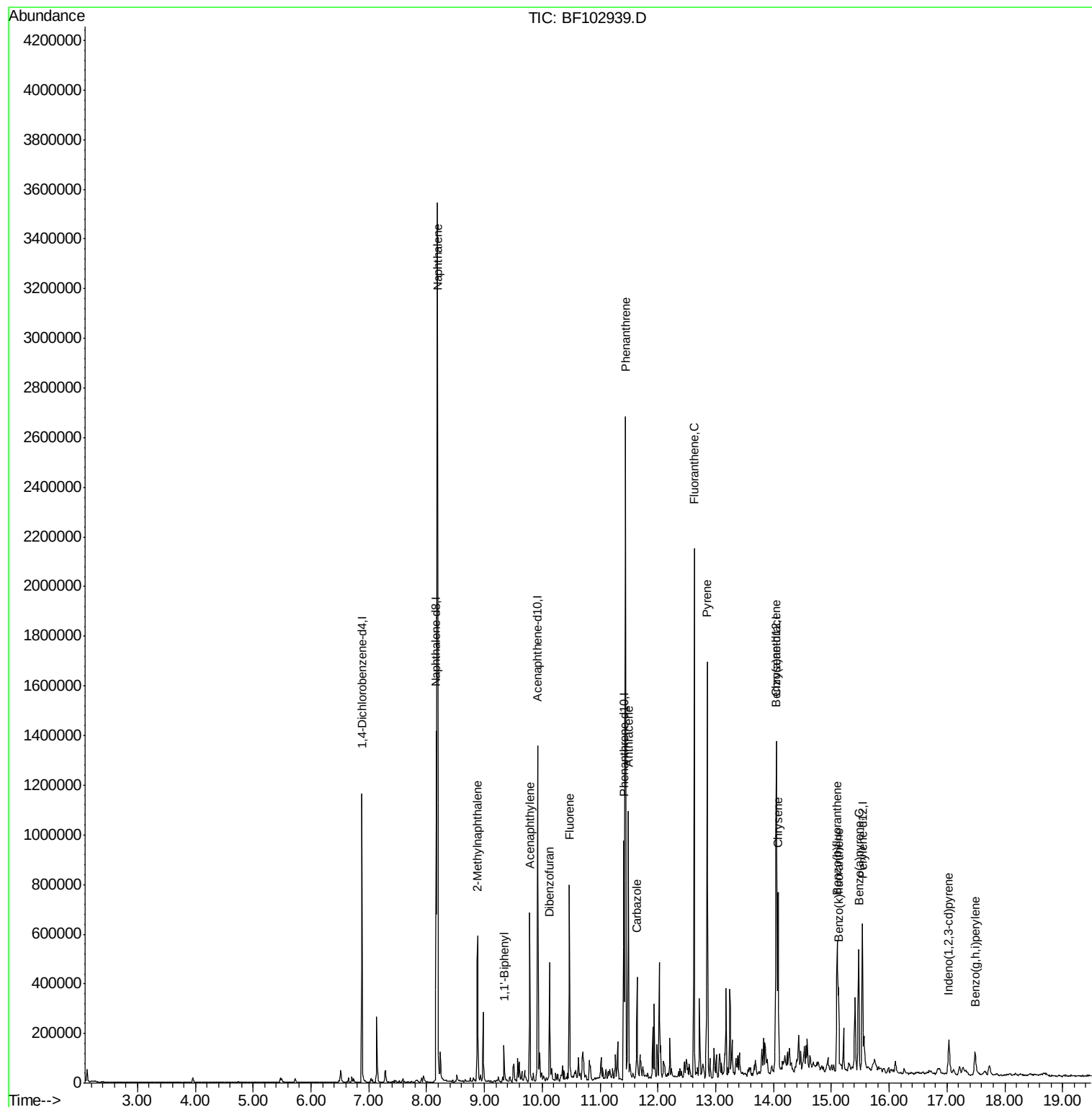
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF021218\
Data File : BF102939.D
Acq On : 13 Feb 2018 00:33
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ALS Vial : 32 Sample Multiplier: 1

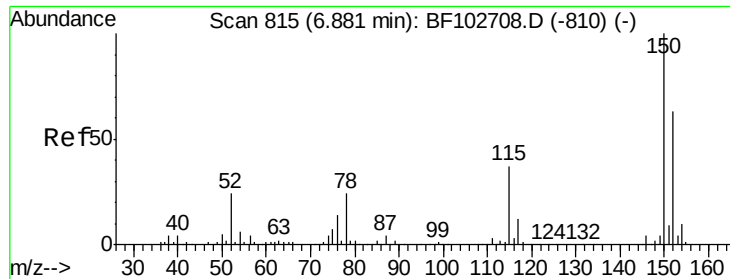
Instrument :
BNA_F
ClientSampleId :
SP-06

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
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#1

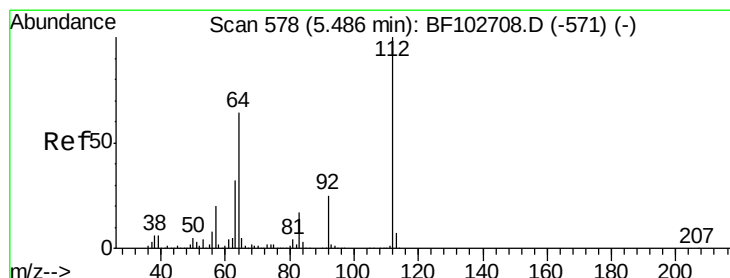
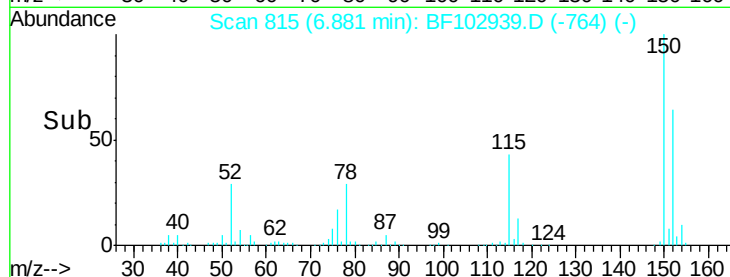
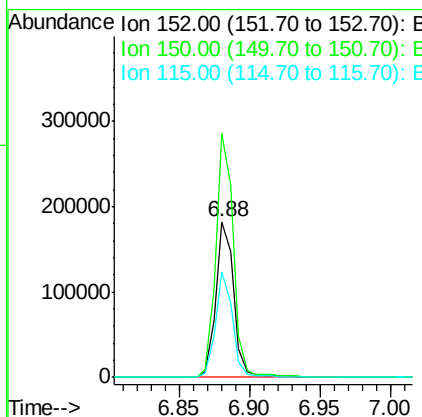
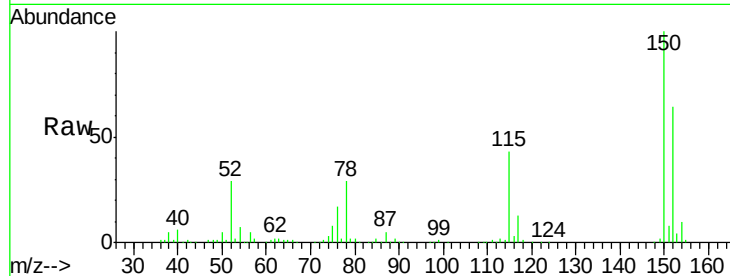
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF102939.D
Acq: 13 Feb 2018 00:33

Instrument :
BNA_F
ClientSampled :
SP-06

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.6	186.8
115	67.5	50.1	75.1

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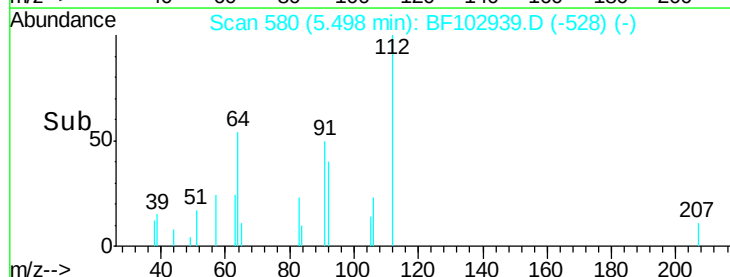
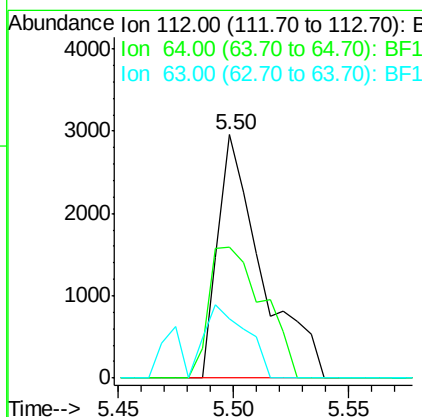
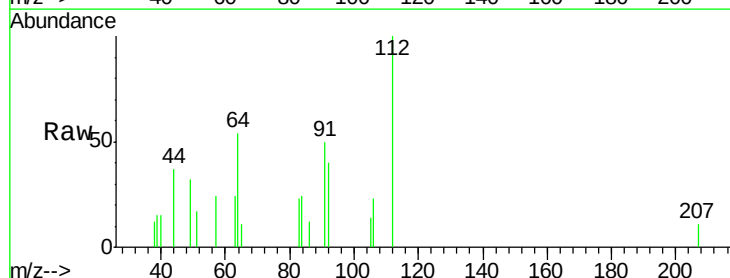
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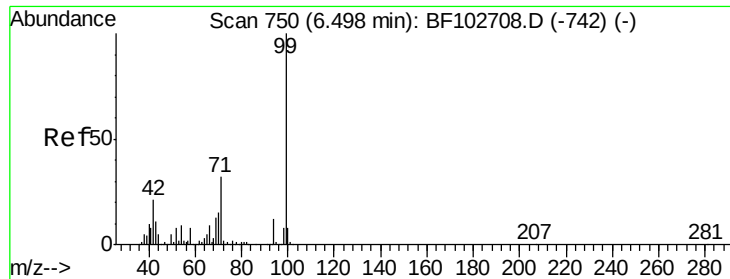


#5

2-Fluorophenol
Concen: 0.365 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF102939.D
Acq: 13 Feb 2018 00:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.9	47.9	71.9
63	24.1	23.7	35.5





#7

Phenol-d6

Concen: 0.438 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF102939.D

Acq: 13 Feb 2018 00:33

Instrument :

BNA_F

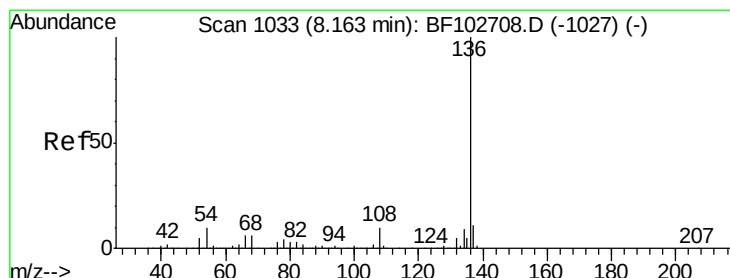
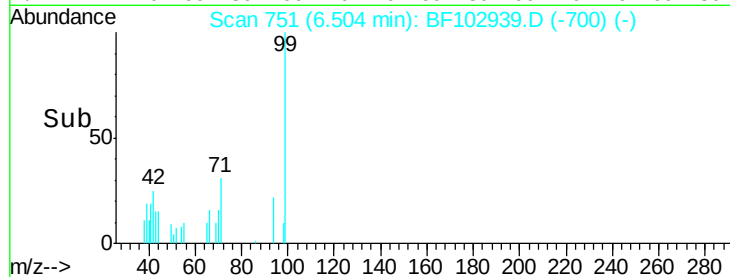
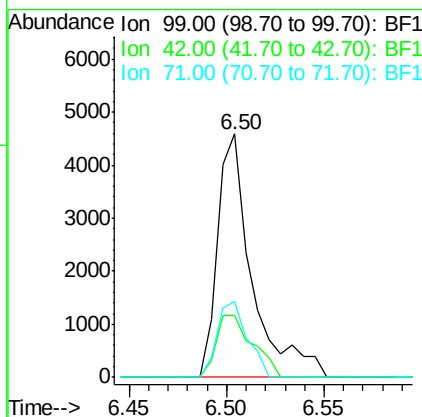
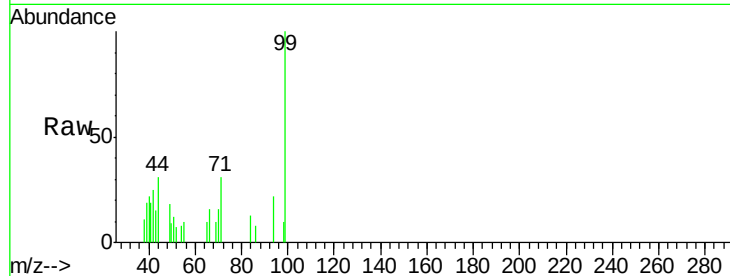
ClientSampleId :

SP-06

Tot Ion:	99	Resp:	5581
Ion Ratio	Lower	Upper	
99	100		
42	25.2	14.5	21.7#
71	31.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

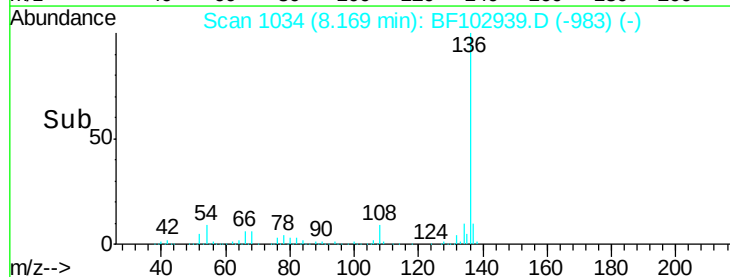
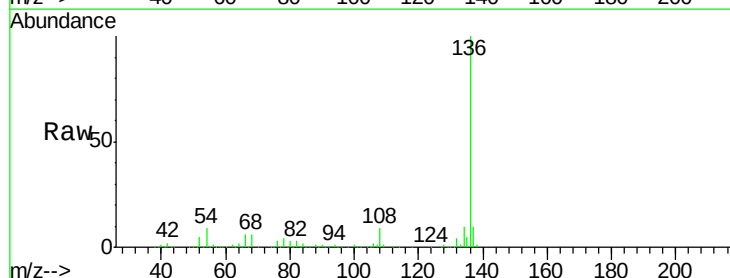
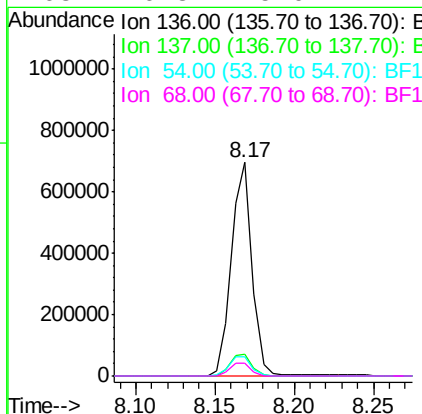
RT: 8.17 min Scan# 1034

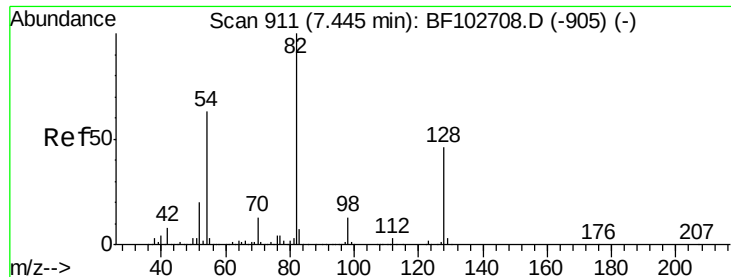
Delta R.T. -0.00 min

Lab File: BF102939.D

Acq: 13 Feb 2018 00:33

Tgt Ion:	136	Resp:	628425
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.9	13.3
54	9.2	6.6	9.8
68	6.3	5.0	7.4





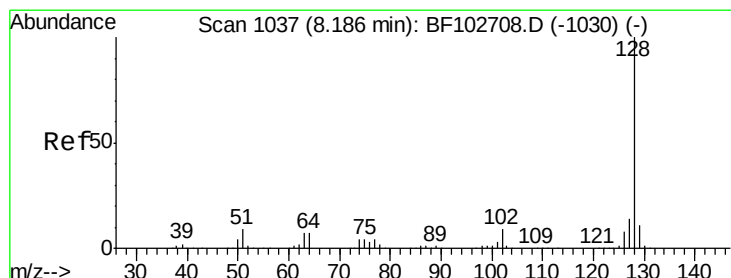
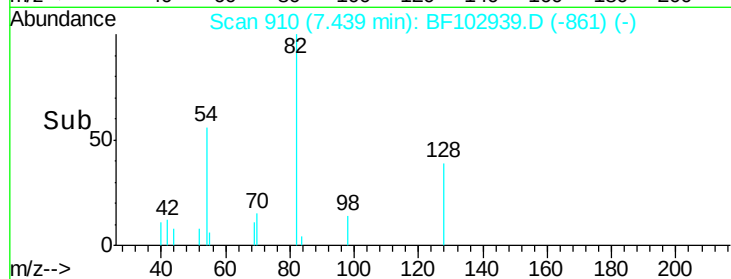
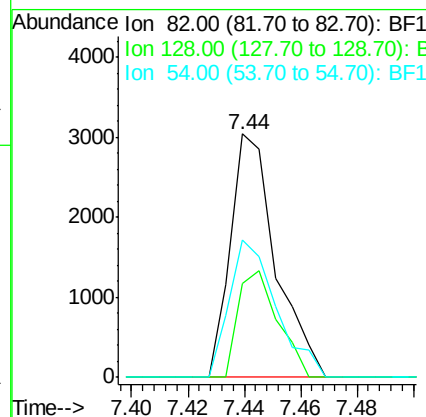
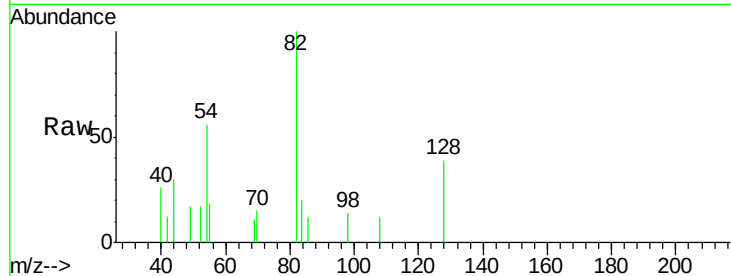
#23
 Nitrobenzene-d5
 Concen: 0.373 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: BF102939.D
 Acq: 13 Feb 2018 00:33

Instrument :
 BNA_F
 ClientSampled :
 SP-06

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.7	36.1	54.1
54	56.3	41.4	62.2

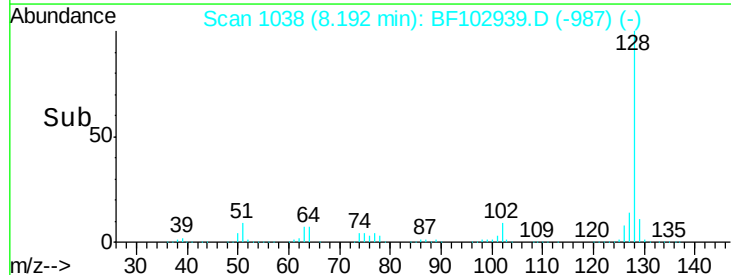
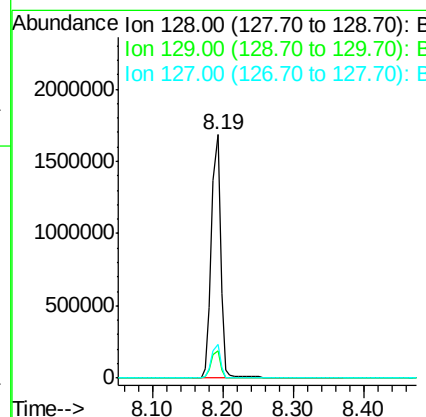
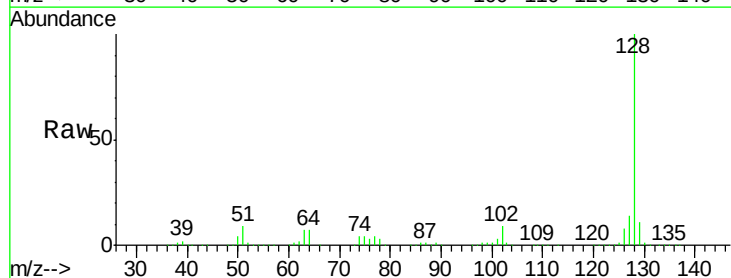
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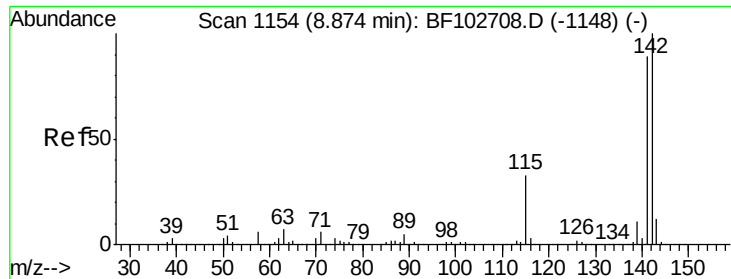
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#31
 Naphthalene
 Concen: 50.591 ng
 RT: 8.19 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: BF102939.D
 Acq: 13 Feb 2018 00:33

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.8	13.2
127	13.8	10.9	16.3





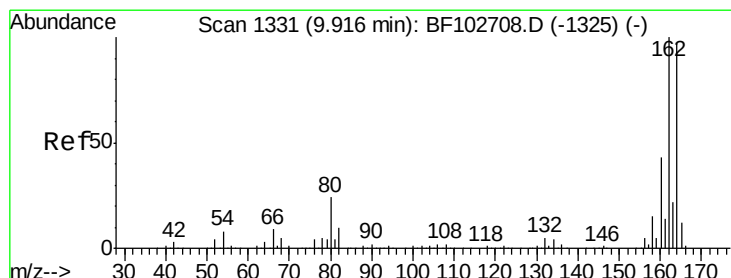
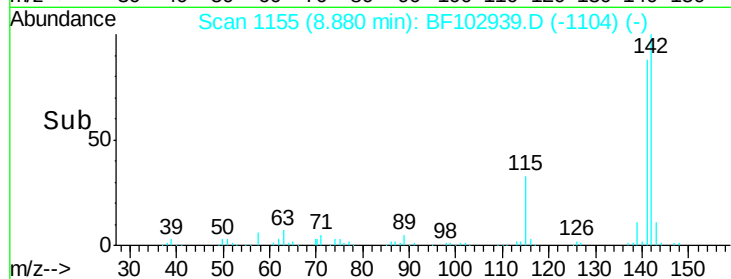
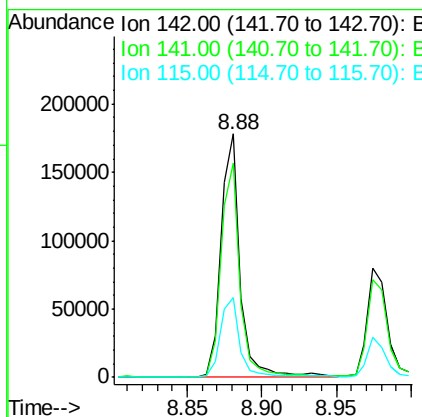
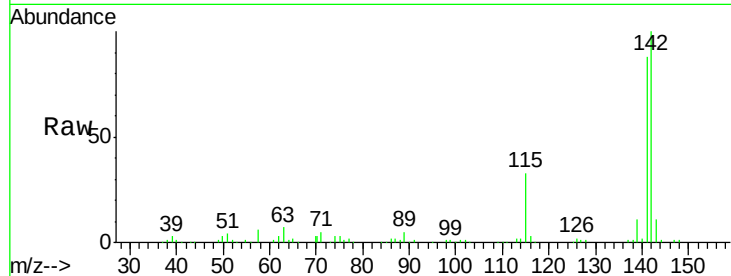
#37
2-Methylnaphthalene
Concen: 8.026 ng
RT: 8.88 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BF102939.D
Acq: 13 Feb 2018 00:33

Instrument :
BNA_F
ClientSampled :
SP-06

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.8	106.2
115	32.5	26.1	39.1

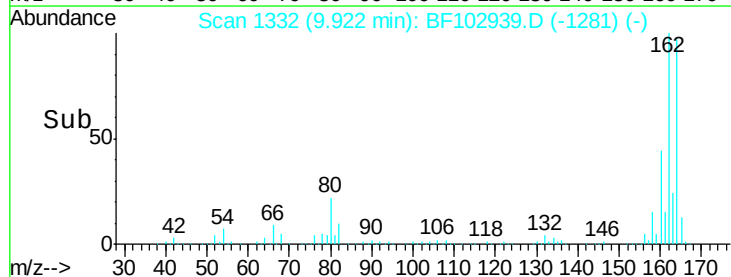
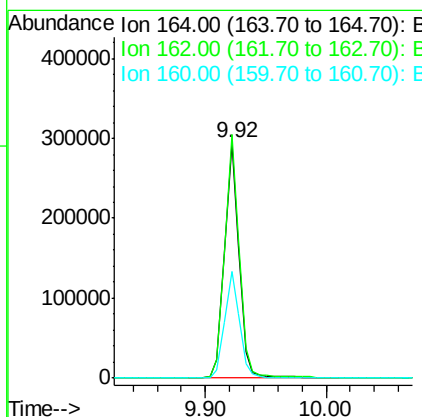
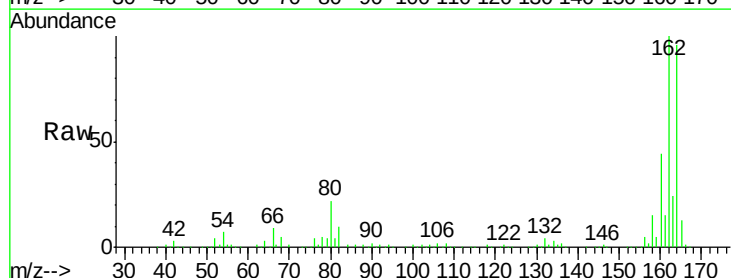
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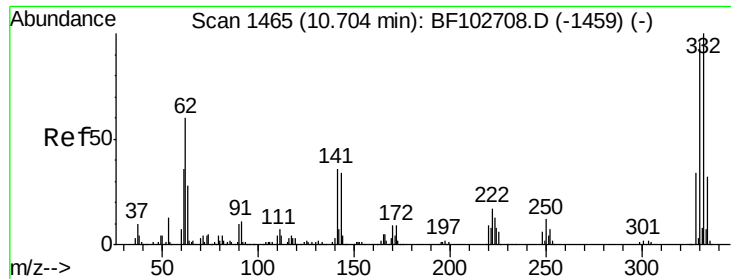
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.00 min
Lab File: BF102939.D
Acq: 13 Feb 2018 00:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.7	86.1	129.1
160	45.3	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 0.217 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.00 min

Lab File: BF102939.D

Acq: 13 Feb 2018 00:33

Instrument :

BNA_F

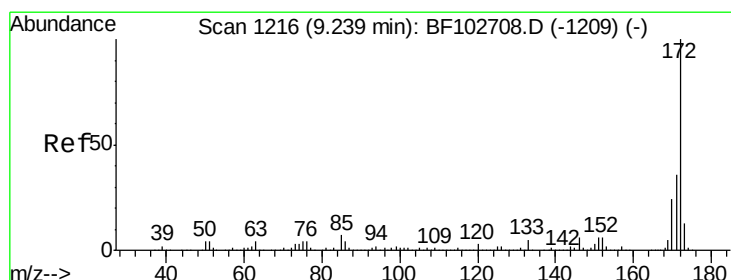
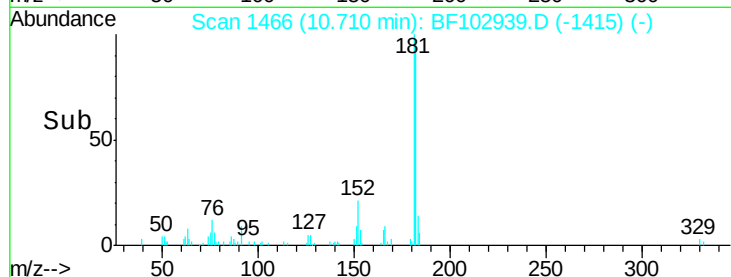
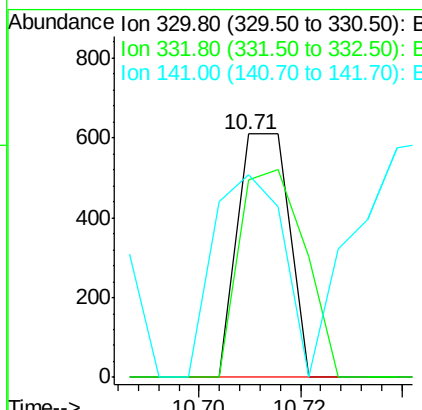
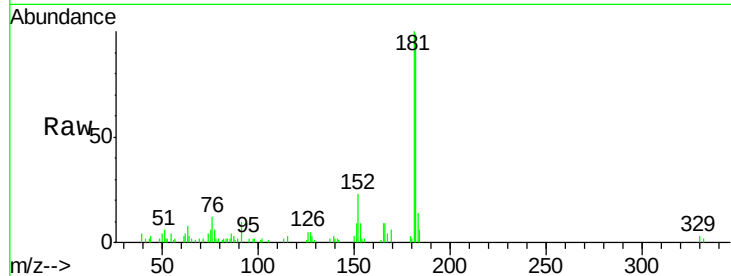
ClientSampled :

SP-06

Tot Ion:	330	Resp:	430
Ion Ratio	Lower	Upper	
330	100		
332	108.1	77.0	115.6
141	112.8	29.9	44.9#

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#44

2-Fluorobiphenyl

Concen: 0.456 ng

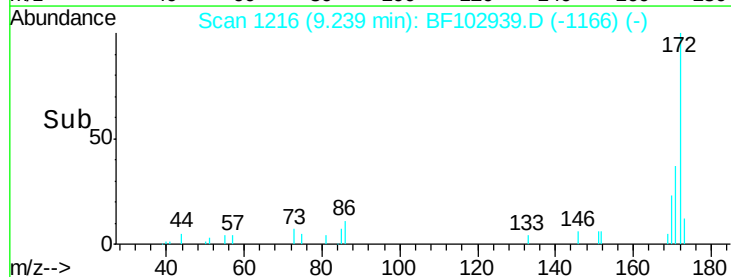
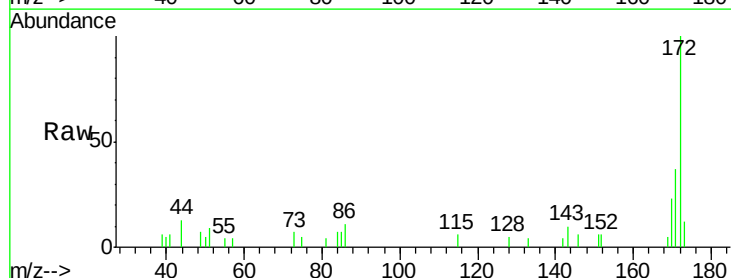
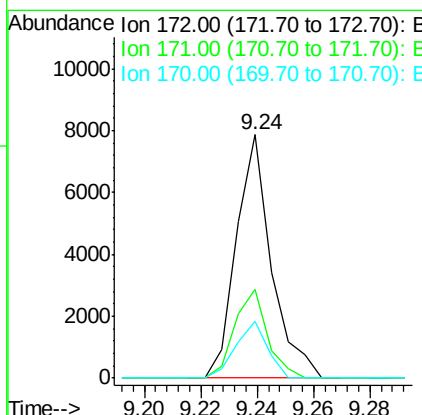
RT: 9.24 min Scan# 1216

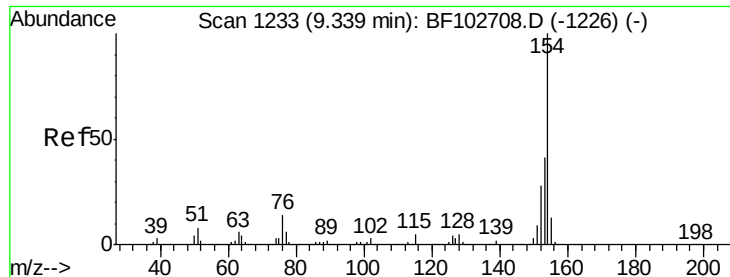
Delta R.T. -0.01 min

Lab File: BF102939.D

Acq: 13 Feb 2018 00:33

Tgt Ion:	172	Resp:	6767
Ion Ratio	Lower	Upper	
172	100		
171	36.7	29.7	44.5
170	23.3	19.6	29.4





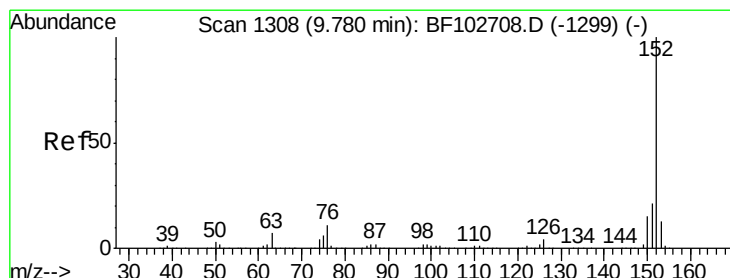
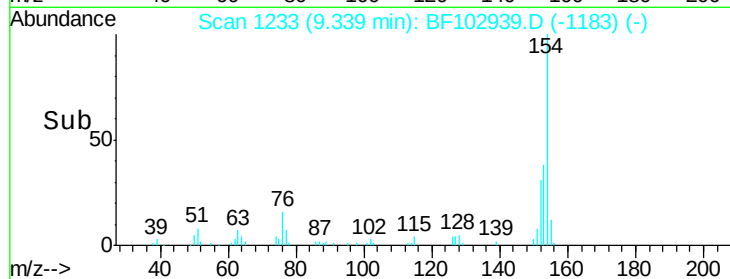
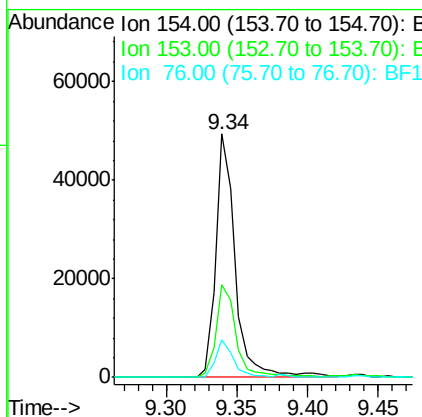
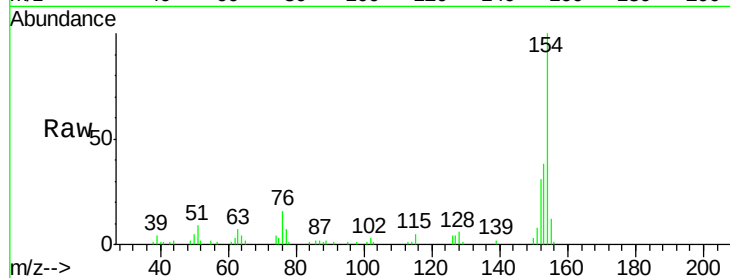
#45
 1,1'-Biphenyl
 Concen: 2.282 ng
 RT: 9.34 min Scan# 1233
 Delta R.T. -0.01 min
 Lab File: BF102939.D
 Acq: 13 Feb 2018 00:33

Instrument :
 BNA_F
 ClientSampleId :
 SP-06

Tot Ion:	154	Resp:	47353
Ion Ratio	Lower	Upper	
154	100		
153	38.1	21.3	61.3
76	15.6	0.0	34.0

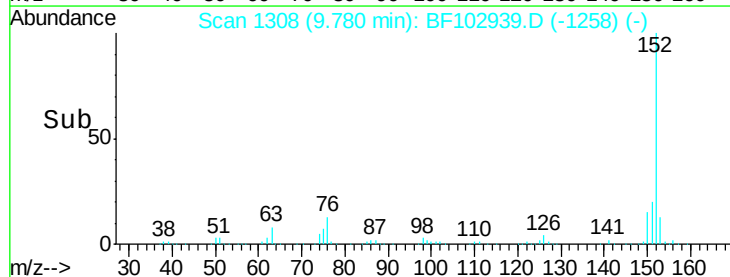
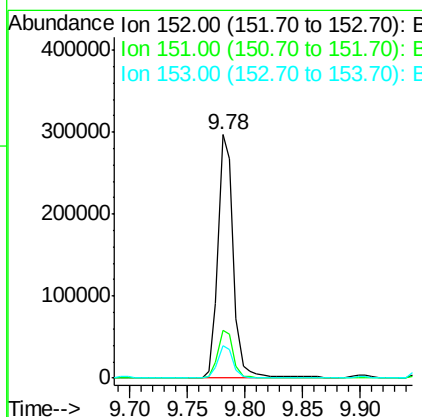
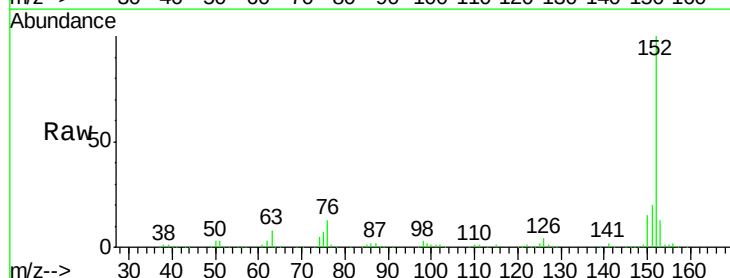
Manual Integrations
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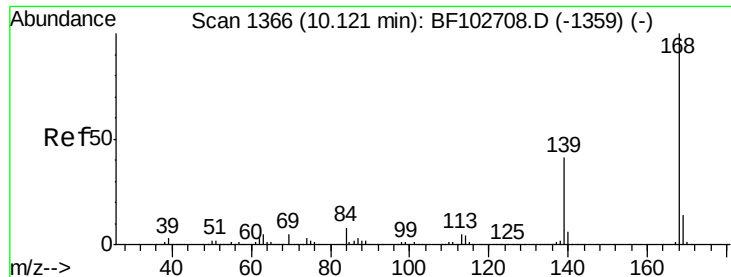
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#48
 Acenaphthylene
 Concen: 10.938 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. -0.01 min
 Lab File: BF102939.D
 Acq: 13 Feb 2018 00:33

Tgt Ion:	152	Resp:	277583
Ion Ratio	Lower	Upper	
152	100		
151	19.8	16.3	24.5
153	13.5	10.7	16.1





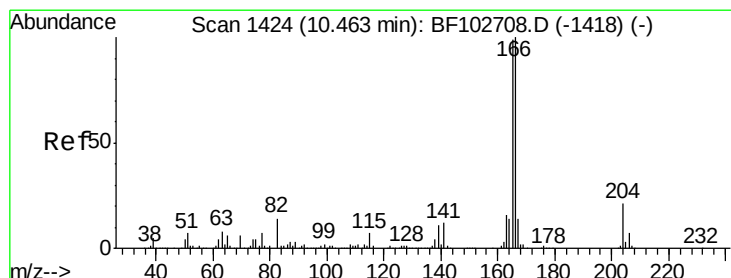
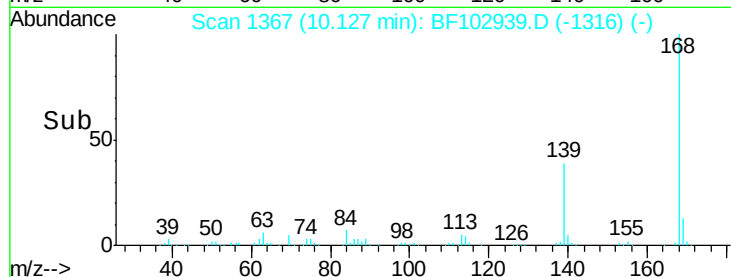
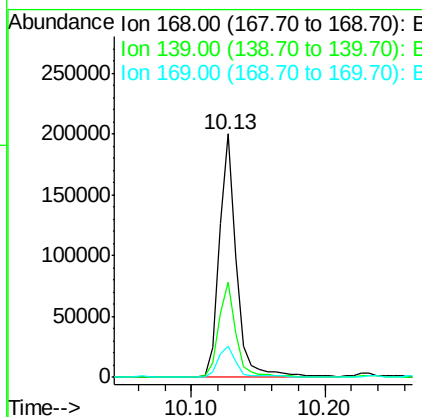
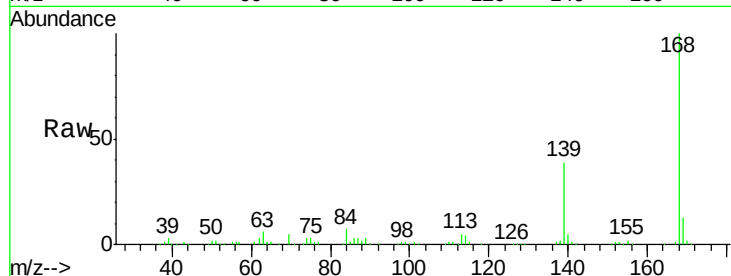
#54
Dibenzenofuran
Concen: 8.537 ng
RT: 10.13 min Scan# 1367
Delta R.T. -0.00 min
Lab File: BF102939.D
Acq: 13 Feb 2018 00:33

Instrument :
BNA_F
ClientSampled :
SP-06

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.0	30.1	45.1
169	13.0	10.9	16.3

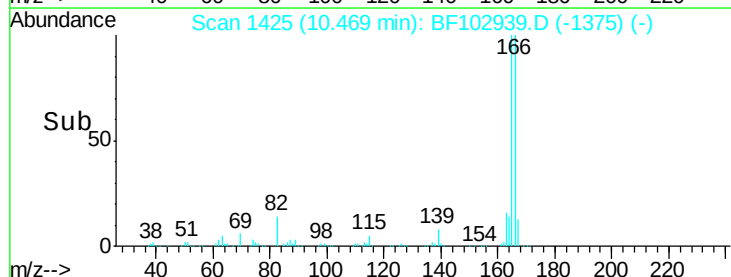
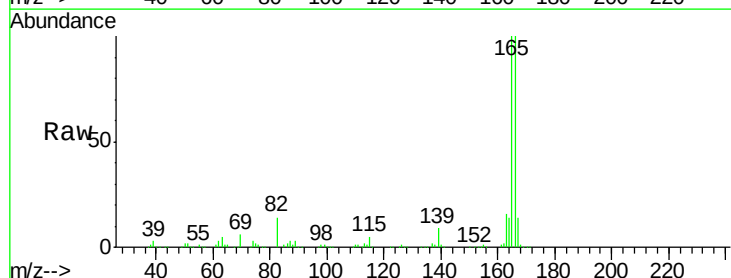
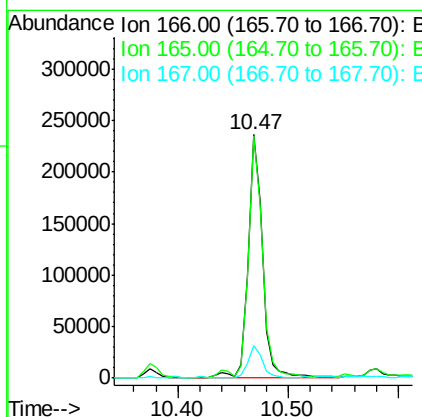
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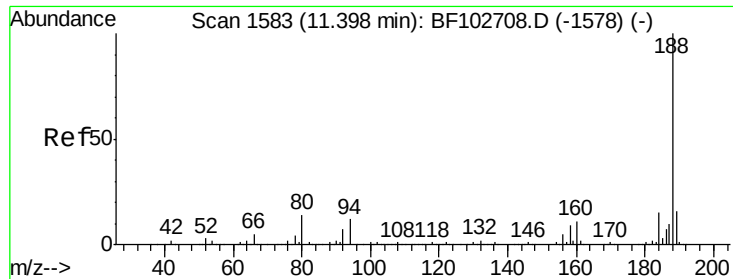
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#57
Fluorene
Concen: 14.017 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.01 min
Lab File: BF102939.D
Acq: 13 Feb 2018 00:33

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.7	79.8	119.8
167	13.5	10.6	16.0





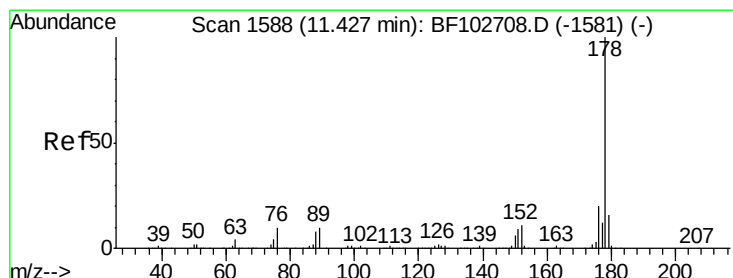
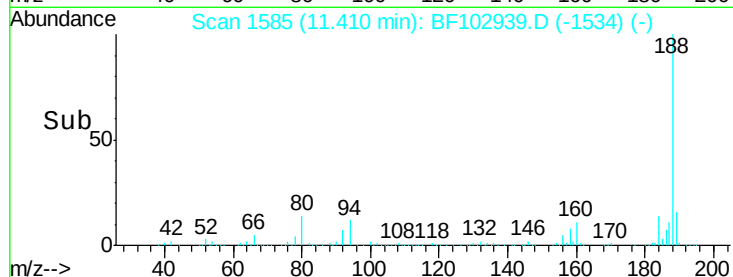
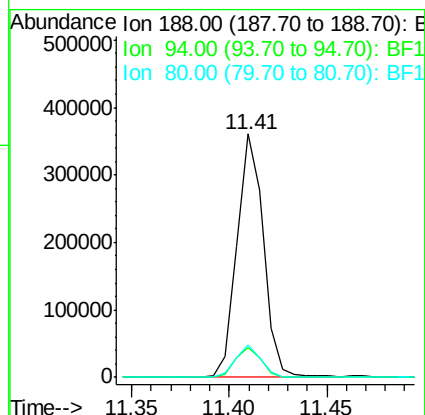
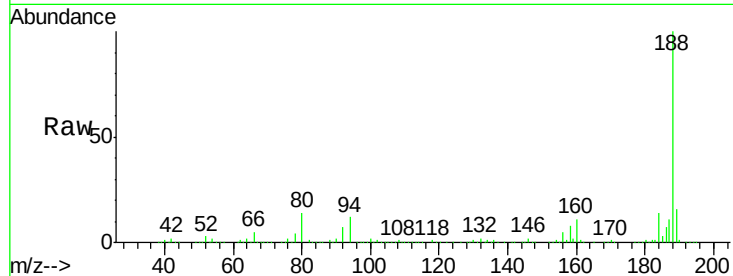
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF102939.D
Acq: 13 Feb 2018 00:33

Instrument :
BNA_F
ClientSampleId :
SP-06

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	12.2	8.5	12.7
80	13.6	9.2	13.8

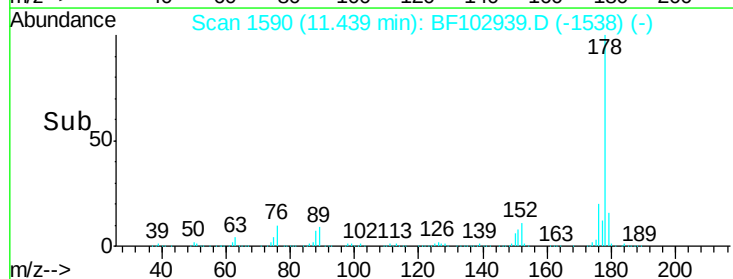
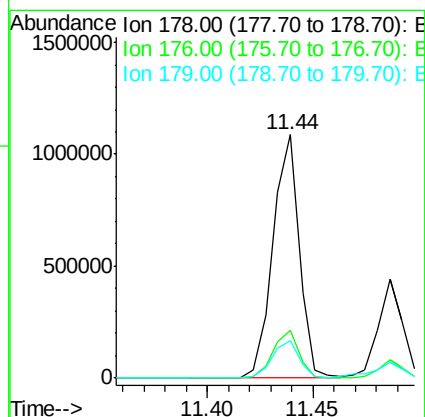
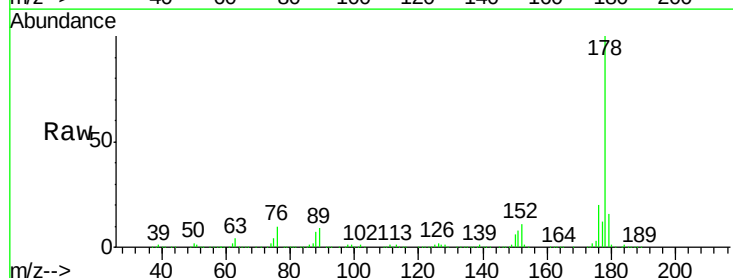
Manual Integrations
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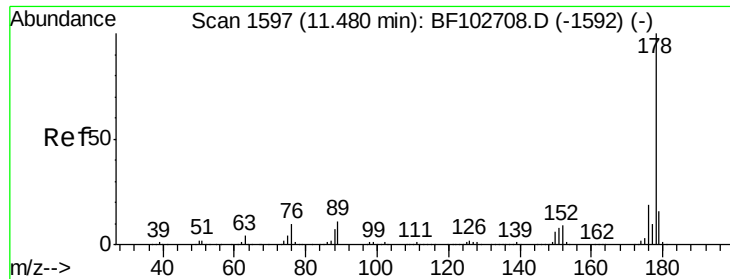
Sohil
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#70
Phenanthrene
Concen: 49.946 ng
RT: 11.44 min Scan# 1590
Delta R.T. 0.01 min
Lab File: BF102939.D
Acq: 13 Feb 2018 00:33

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.9	15.8	23.8
179	15.6	13.0	19.6





#71

Anthracene

Concen: 19.494 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.00 min

Lab File: BF102939.D

Acq: 13 Feb 2018 00:33

Instrument :

BNA_F

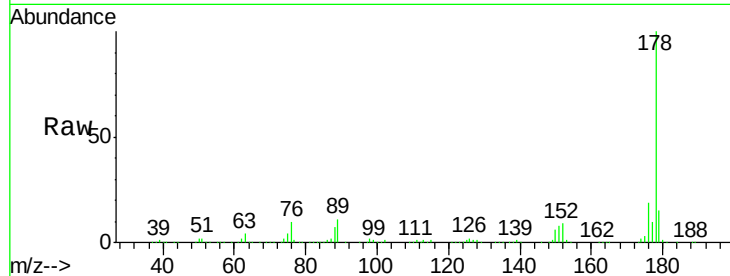
ClientSampleId :

SP-06

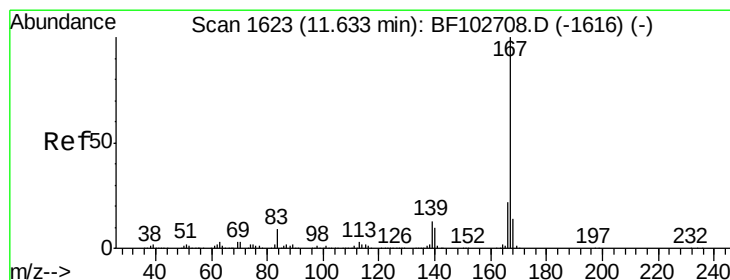
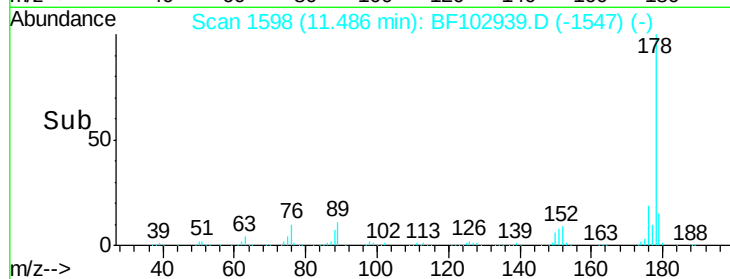
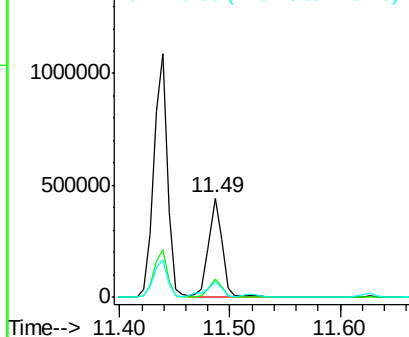
Tot Ion:	178	Resp:	374768
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.4	23.2
179	15.5	12.6	19.0

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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



#72

Carbazole

Concen: 7.703 ng

RT: 11.64 min Scan# 1624

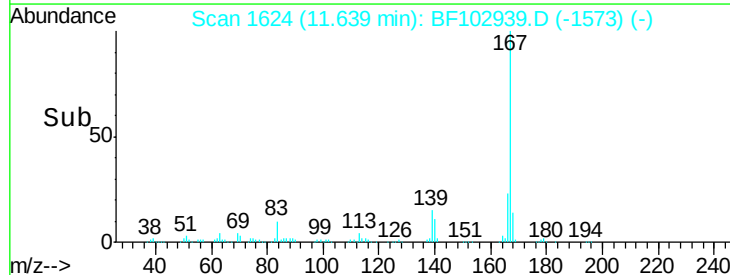
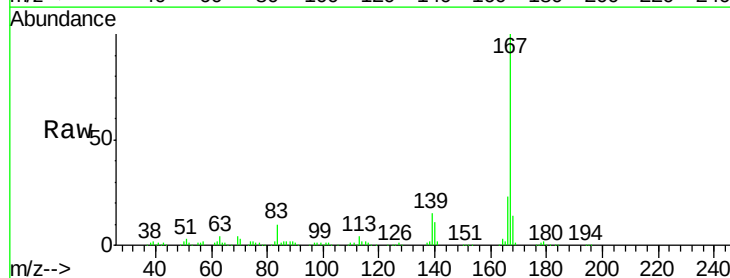
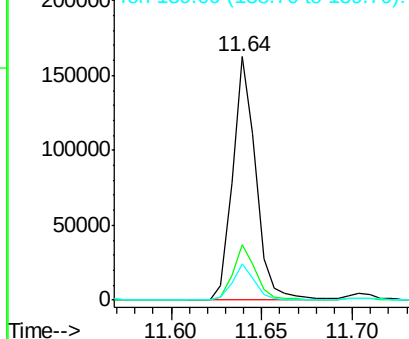
Delta R.T. -0.00 min

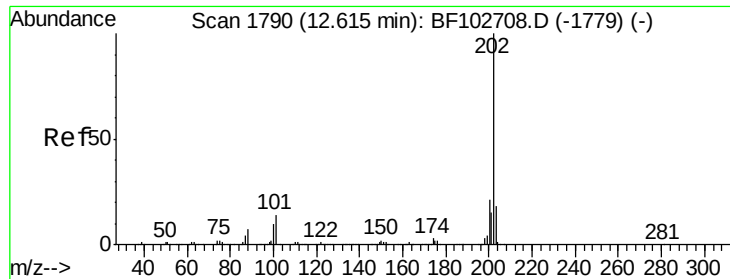
Lab File: BF102939.D

Acq: 13 Feb 2018 00:33

Tgt Ion:	167	Resp:	145073
Ion Ratio	Lower	Upper	
167	100		
166	23.0	17.6	26.4
139	15.0	10.9	16.3

Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 39.651 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.01 min

Lab File: BF102939.D

Acq: 13 Feb 2018 00:33

Instrument :

BNA_F

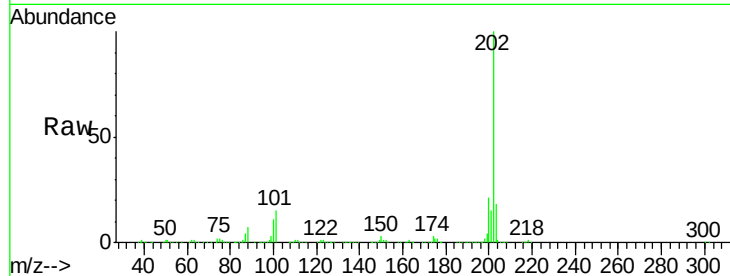
ClientSampleId :

SP-06

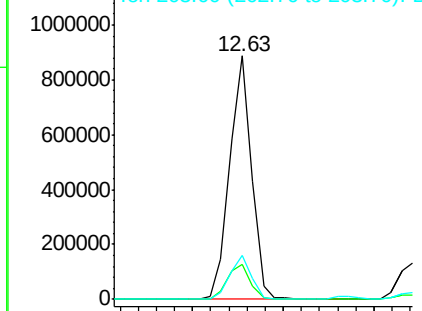
Tot Ion:	202	Resp:	754057
Ion Ratio		Lower	Upper
202	100		
101	14.6	0.0	34.1
203	18.1	0.0	38.1

Manual Integrations
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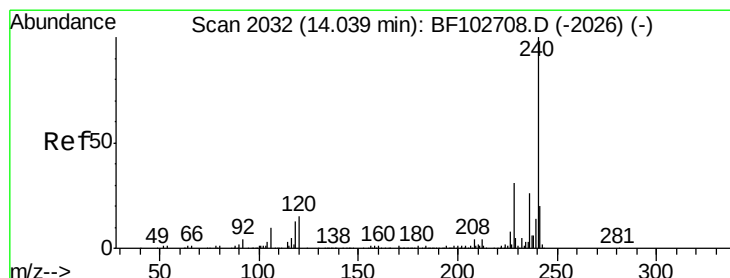
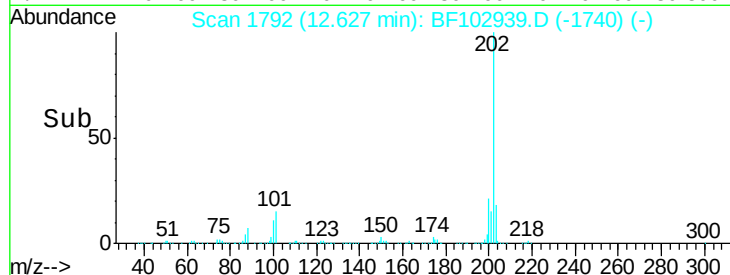
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

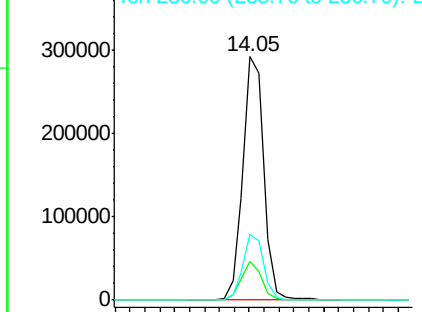
Delta R.T. -0.00 min

Lab File: BF102939.D

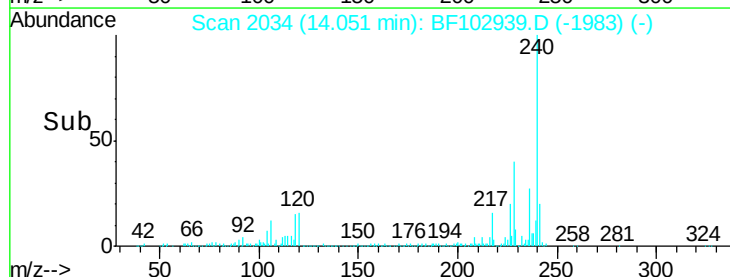
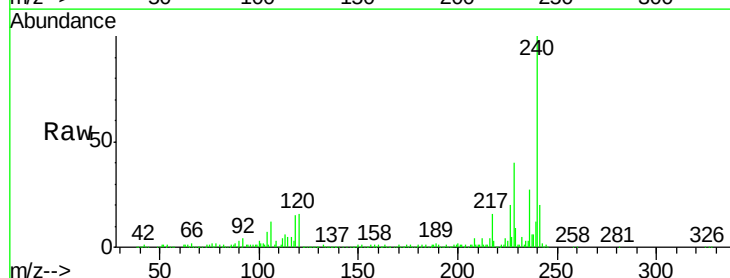
Acq: 13 Feb 2018 00:33

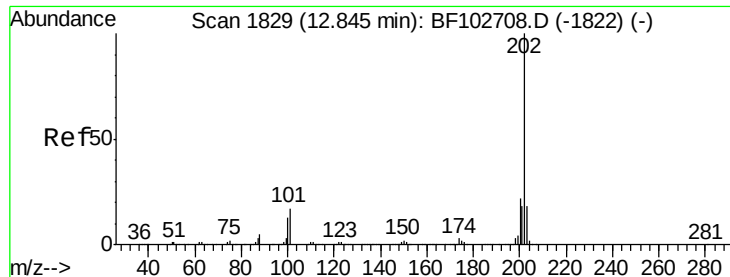
Tgt Ion:	240	Resp:	284644
Ion Ratio		Lower	Upper
240	100		
120	15.9	9.5	14.3#
236	27.1	20.7	31.1

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



Time-->





#77

Pvrene

Concen: 27.236 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.01 min

Lab File: BF102939.D

Acq: 13 Feb 2018 00:33

Instrument :

BNA_F

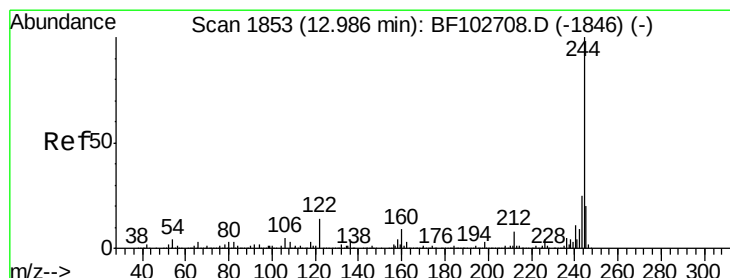
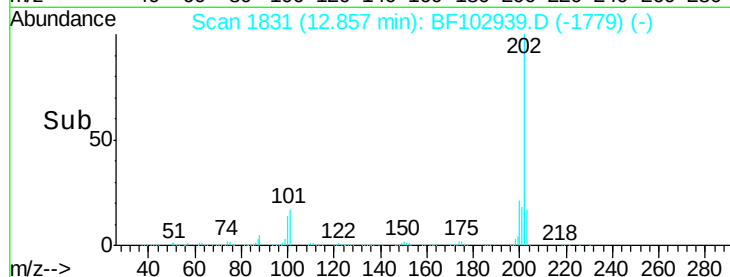
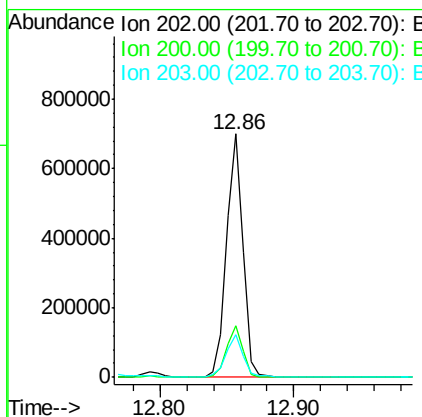
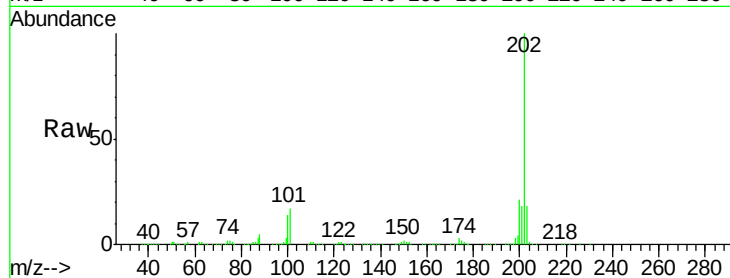
ClientSampleId :

SP-06

Tot Ion:	202	Resp:	607930
Ion Ratio		Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.6	14.3	21.5

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#78

Terphenyl-d14

Concen: 0.398 ng

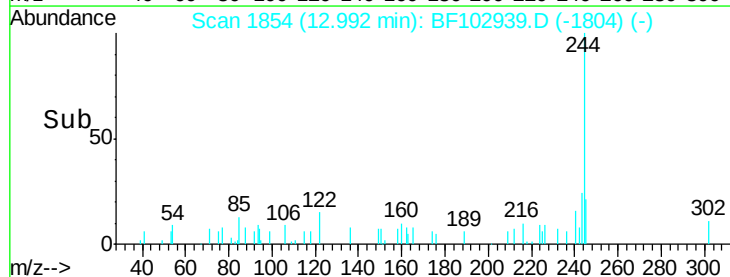
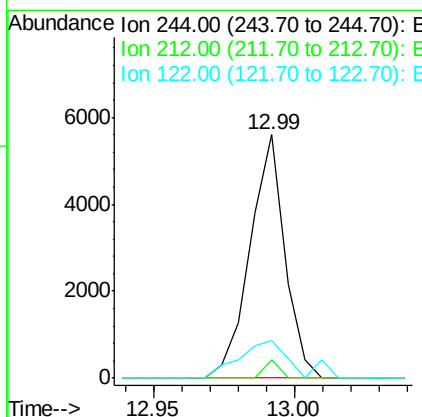
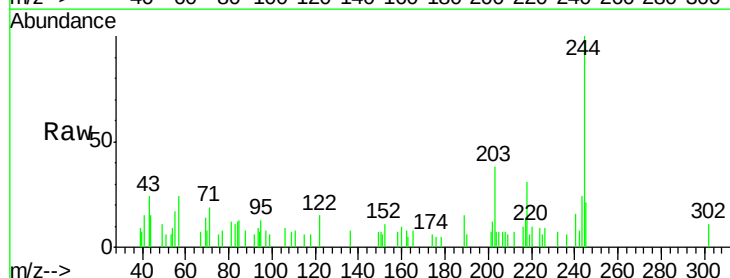
RT: 12.99 min Scan# 1854

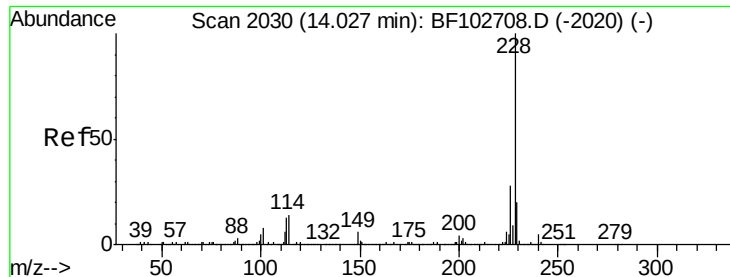
Delta R.T. -0.01 min

Lab File: BF102939.D

Acq: 13 Feb 2018 00:33

Tgt Ion:	244	Resp:	4787
Ion Ratio		Lower	Upper
244	100		
212	7.4	5.4	8.0
122	15.4	11.0	16.4





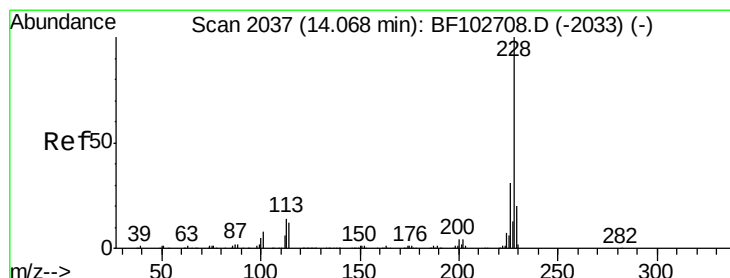
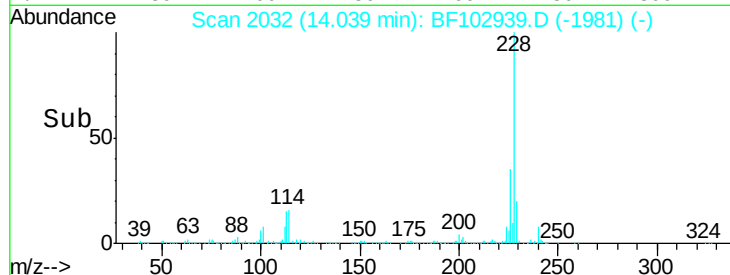
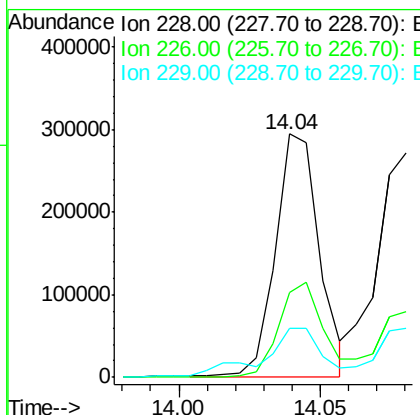
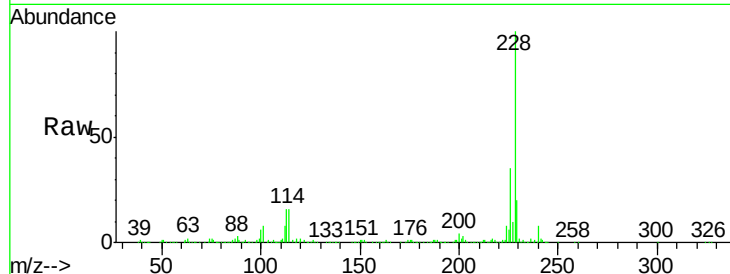
#80
Benzo(a)anthracene
Concen: 17.606 ng m
RT: 14.04 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BF102939.D
Acq: 13 Feb 2018 00:33

Instrument :
BNA_F
ClientSampled :
SP-06

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.8	22.6	33.8#
229	20.2	15.8	23.6

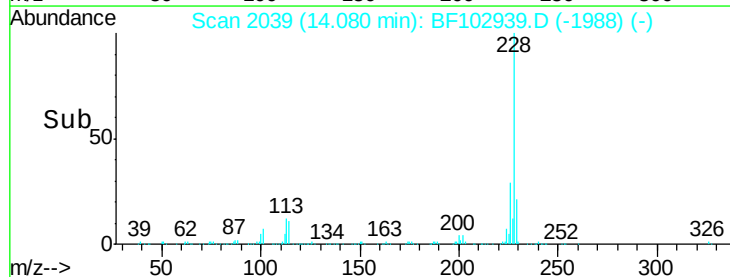
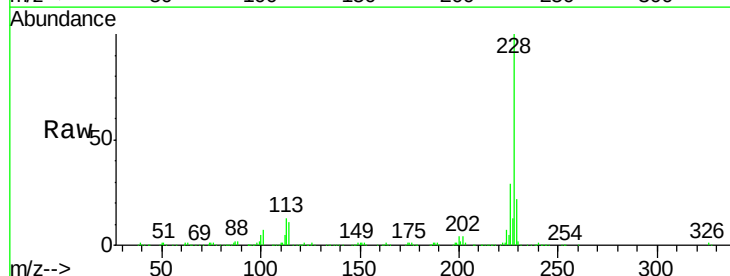
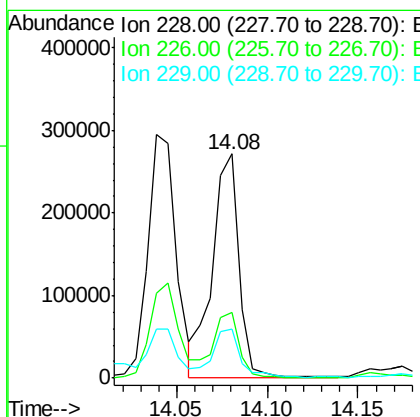
Manual Integrations
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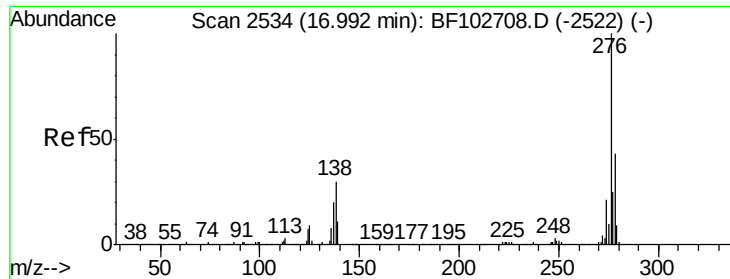
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#82
Chrysene
Concen: 15.309 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.00 min
Lab File: BF102939.D
Acq: 13 Feb 2018 00:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.0	37.6
229	21.8	16.2	24.4





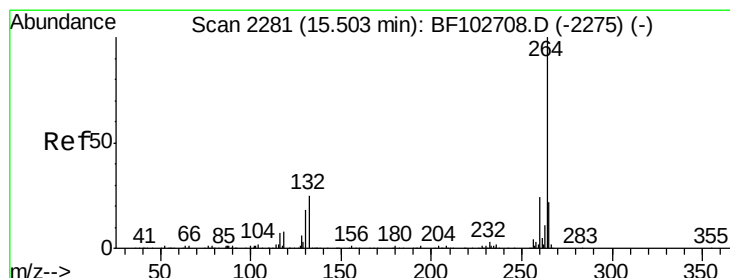
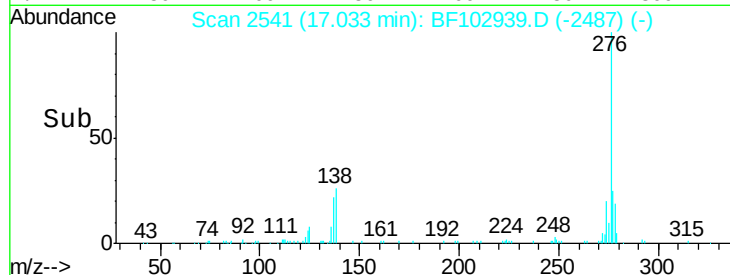
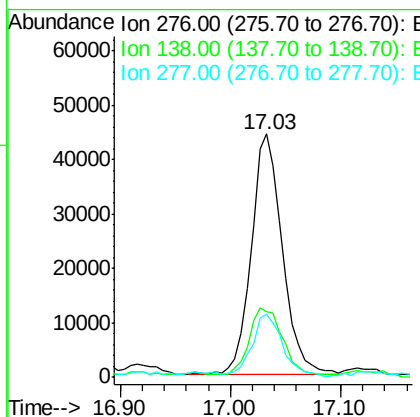
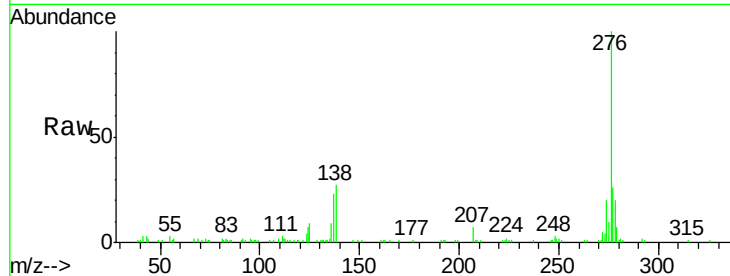
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.872 ng
 RT: 17.03 min Scan# 2541
 Delta R.T. 0.02 min
 Lab File: BF102939.D
 Acq: 13 Feb 2018 00:33

Instrument :
 BNA_F
 ClientSampleId :
 SP-06

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.3	25.0	37.6
277	26.3	20.1	30.1

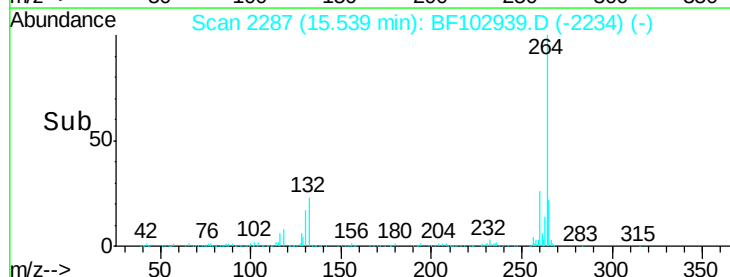
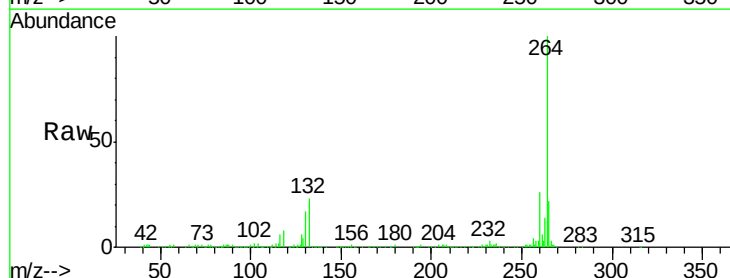
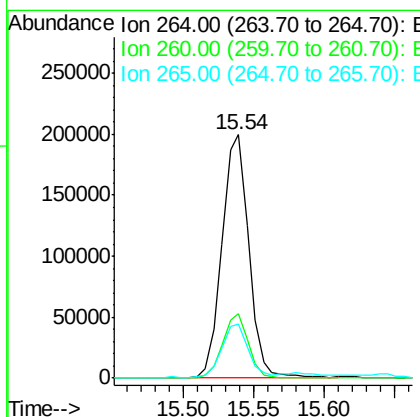
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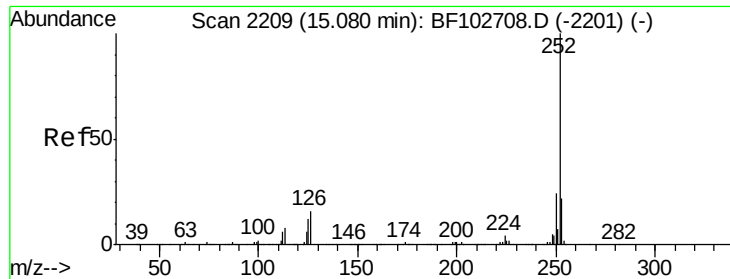
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2287
 Delta R.T. 0.01 min
 Lab File: BF102939.D
 Acq: 13 Feb 2018 00:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.3	19.2	28.8
265	22.5	17.5	26.3





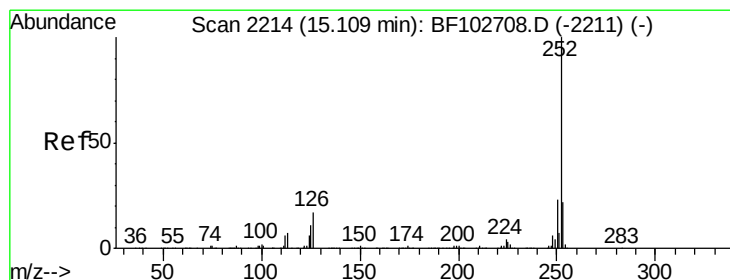
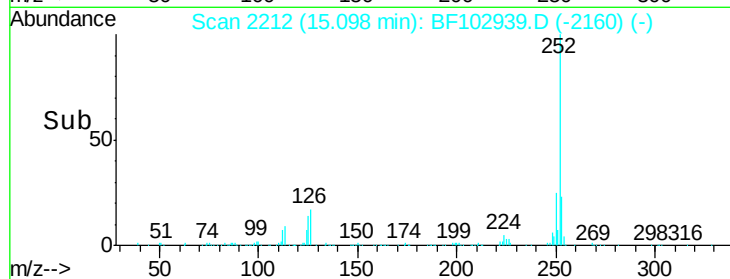
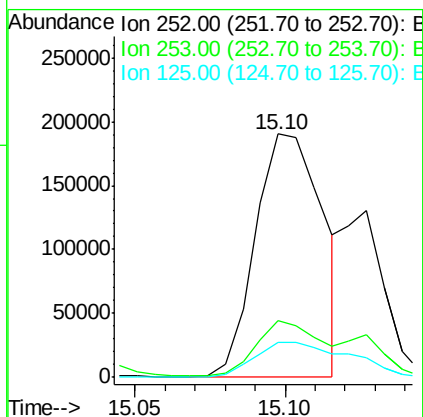
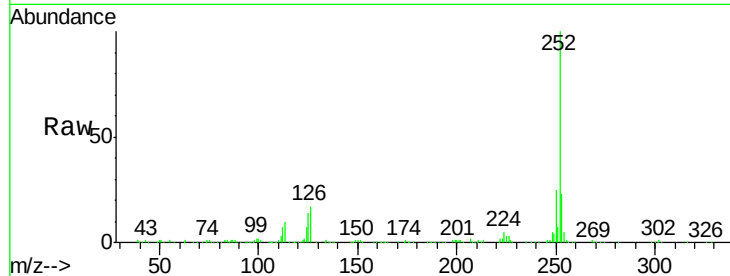
#87
Benzo(b)fluoranthene
Concen: 17.189 ng m
RT: 15.10 min Scan# 2212
Delta R.T. 0.01 min
Lab File: BF102939.D
Acq: 13 Feb 2018 00:33

Instrument :
BNA_F
ClientSampled :
SP-06

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.6
125	14.3	9.0	13.6

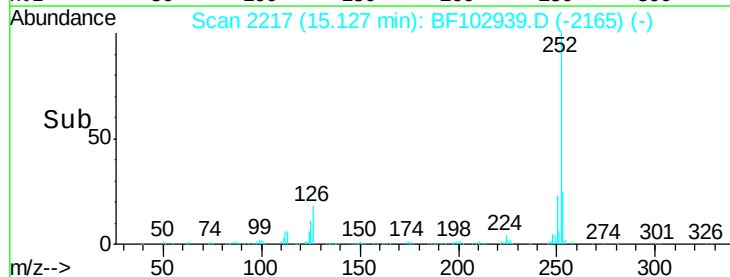
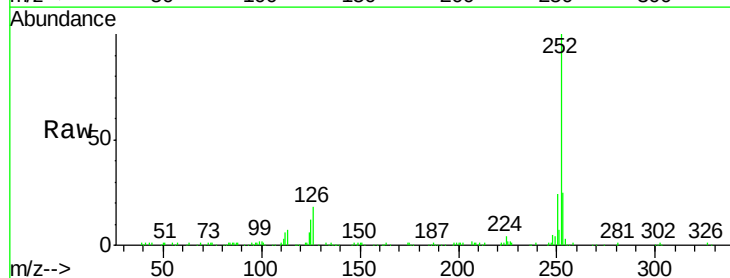
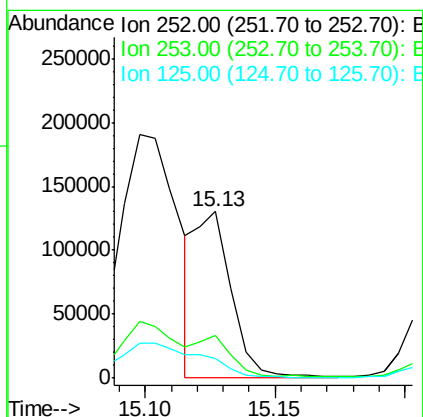
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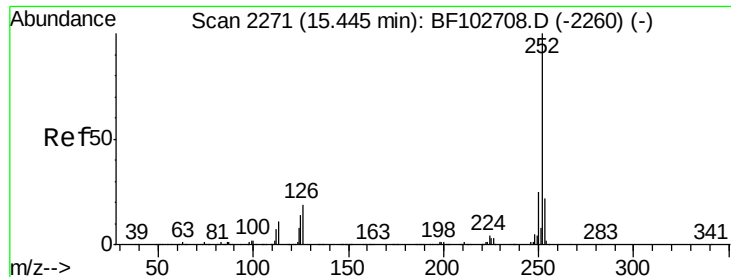
Sohil
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#88
Benzo(k)fluoranthene
Concen: 7.560 ng m
RT: 15.13 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF102939.D
Acq: 13 Feb 2018 00:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.9	26.9
125	11.8	10.2	15.2





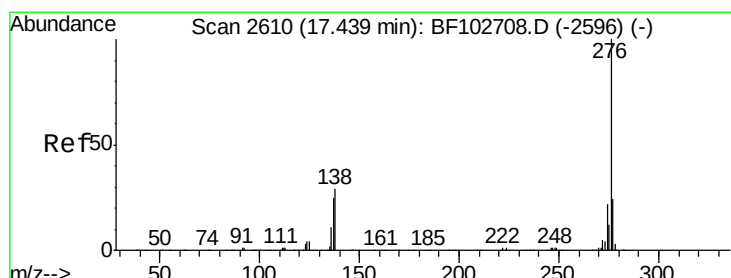
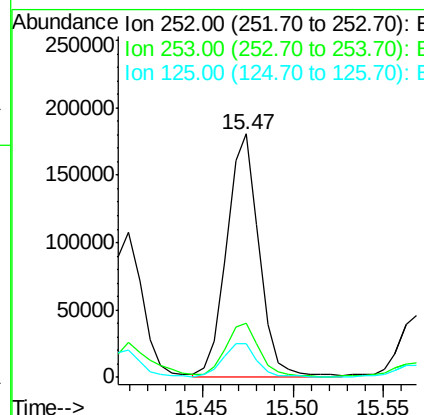
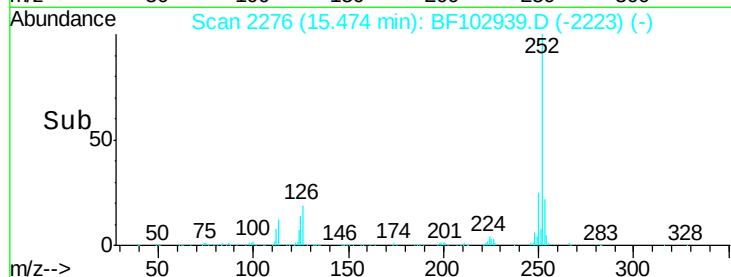
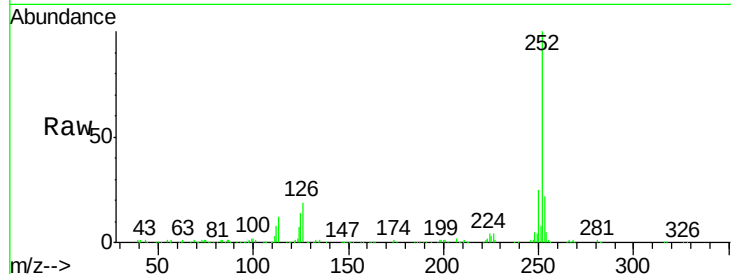
#89
Benzo(a)pyrene
Concen: 14.364 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF102939.D
Acq: 13 Feb 2018 00:33

Instrument :
BNA_F
ClientSampled :
SP-06

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	14.1	9.8	14.6

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2/13/2018 11:26:13 AM



#91
Benzo(g,h,i)perylene
Concen: 6.340 ng
RT: 17.49 min Scan# 2619
Delta R.T. 0.02 min
Lab File: BF102939.D
Acq: 13 Feb 2018 00:33

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.7	17.9	26.9
138	28.8	21.8	32.8

