

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF021218\
 Data File : BF102946.D
 Acq On : 13 Feb 2018 3:40
 Operator : SJ/JU
 Sample : J1519-01 20X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A2 SB71 SW 7

Manual Integrations
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Sohil
 2/13/2018 11:26:39 AM

Quant Time: Feb 13 05:34:43 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	175533	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	693354	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	269530	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	363378	20.00	ng	0.00
75) Chrysene-d12	14.06	240	282887	20.00	ng	0.00
86) Perylene-d12	15.54	264	268259	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	52722	4.56	ng	0.00
7) Phenol-d6	6.50	99	65092	4.68	ng	0.00
23) Nitrobenzene-d5	7.44	82	41764	4.18	ng	-0.01
41) 2,4,6-Tribromophenol	10.71	330	7272	3.35	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	75652	4.66	ng	0.00
78) Terphenyl-d14	12.99	244	46944	3.93	ng	0.00
Target Compounds						
31) Naphthalene	8.19	128	124914	3.687	ng	99
48) Acenaphthylene	9.78	152	297952	10.734	ng	99
57) Fluorene	10.47	166	48070	2.824	ng	99
70) Phenanthrene	11.43	178	385587	19.053	ng	99
71) Anthracene	11.49	178	203570	9.890	ng	99
74) Fluoranthene	12.63	202	872655	42.858	ng	98
77) Pyrene	12.86	202	841669	37.942	ng	99
80) Benzo(a)anthracene	14.04	228	545360m	30.654	ng	
82) Chrysene	14.08	228	518945m	28.936	ng	
85) Indeno(1,2,3-cd)pyrene	17.04	276	231130	15.539	ng	96
87) Benzo(b)fluoranthene	15.10	252	689029m	39.617	ng	
88) Benzo(k)fluoranthene	15.13	252	261904m	15.760	ng	
89) Benzo(a)pyrene	15.48	252	502022	32.068	ng	97
90) Dibenzo(a,h)anthracene	17.04	278	65793m	5.178	ng	
91) Benzo(a,h,i)perylene	17.50	276	216480	17.406	ng	97

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

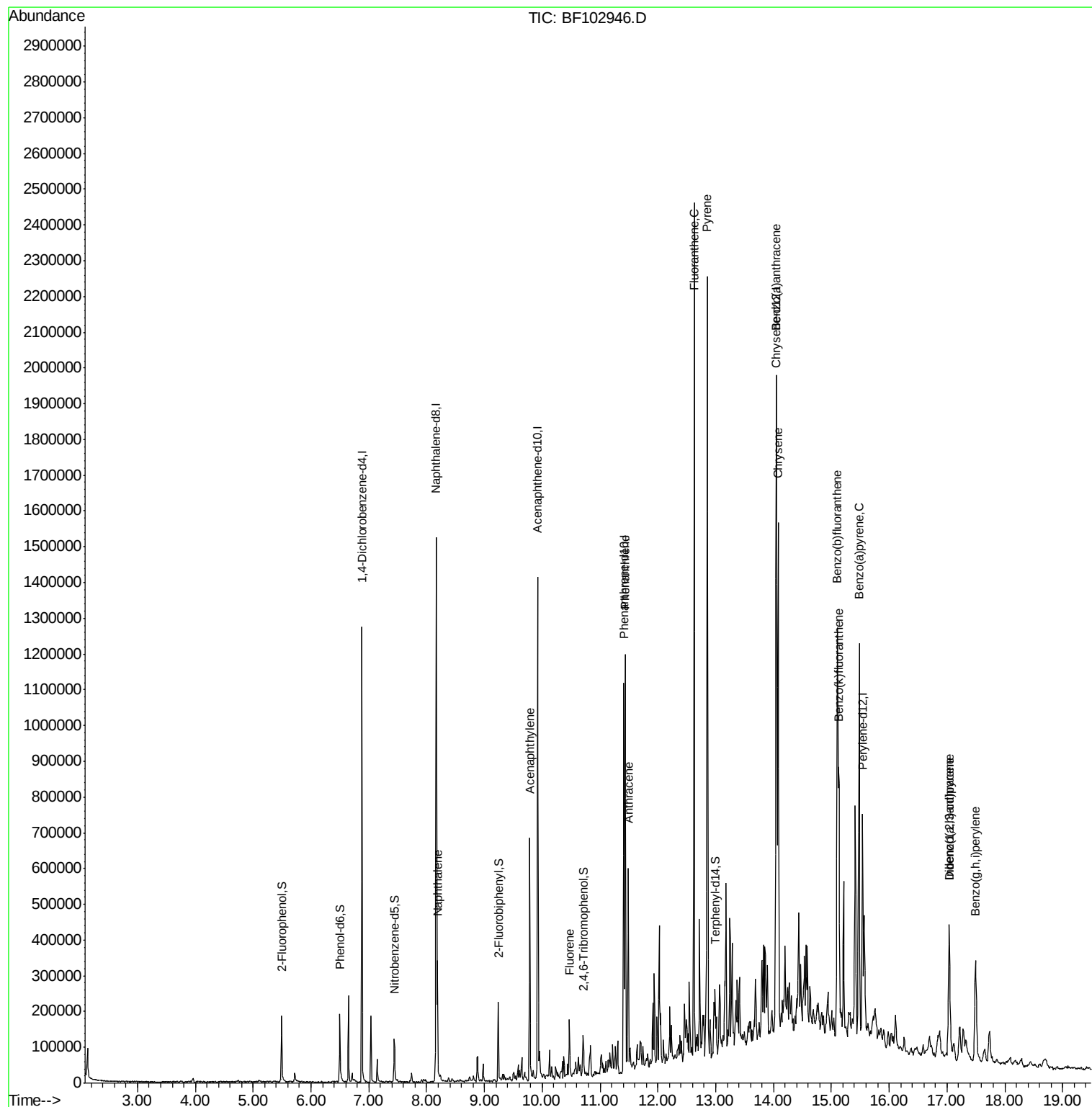
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF021218\
Data File : BF102946.D
Acq On : 13 Feb 2018 3:40
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Quant Time: Feb 13 05:34:43 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
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#1

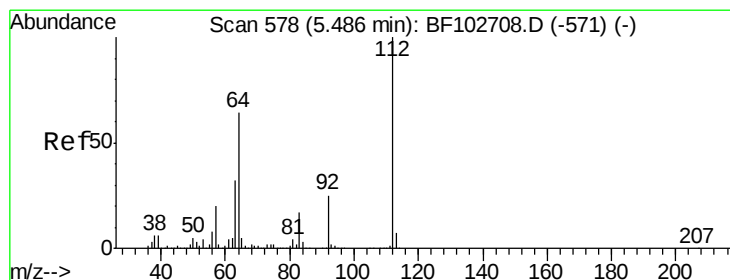
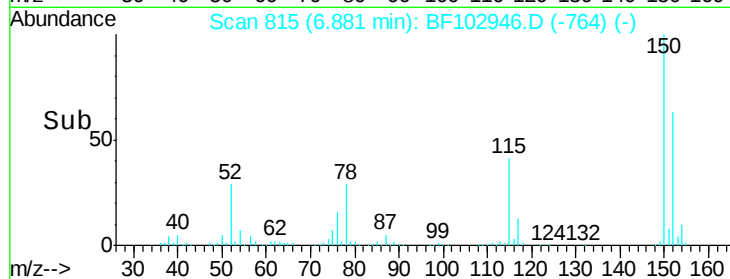
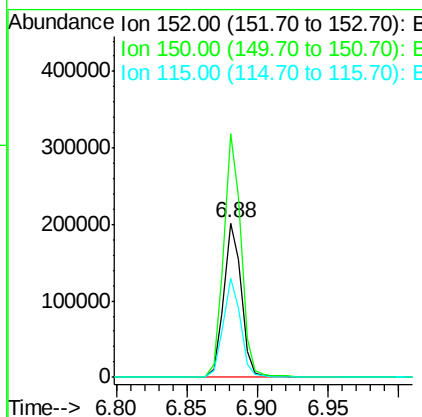
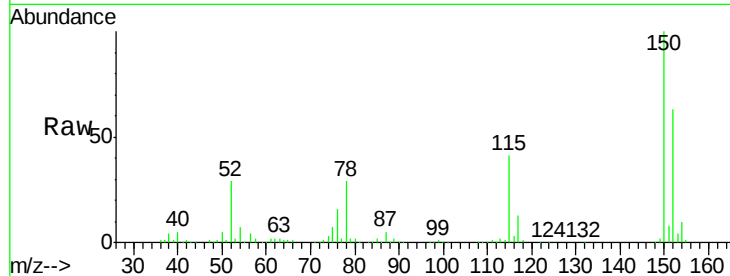
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF102946.D
Acq: 13 Feb 2018 3:40

Instrument :
BNA_F
ClientSampleId :
A2 SB71 SW 7

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.6	186.8
115	64.4	50.1	75.1

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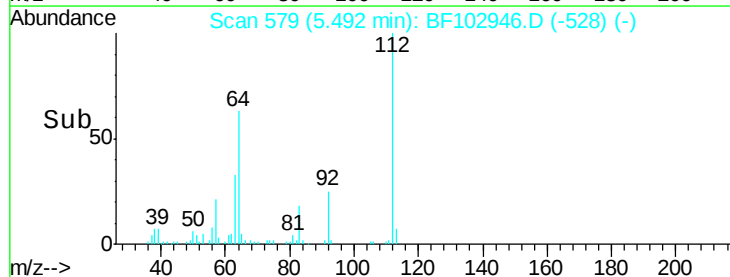
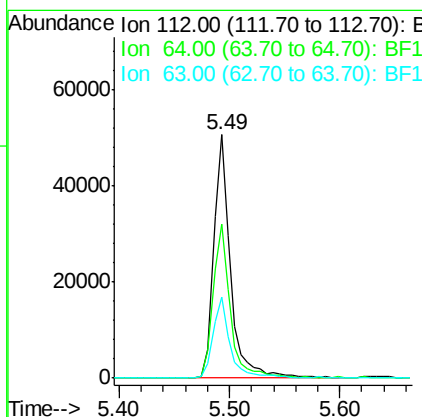
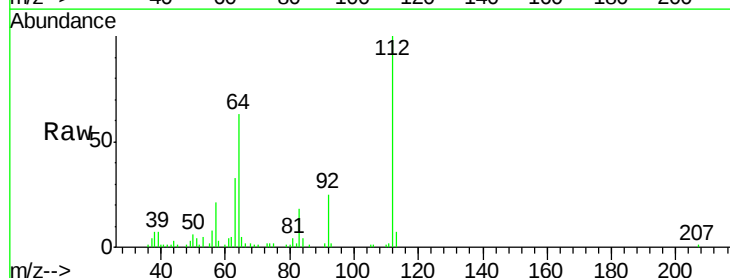
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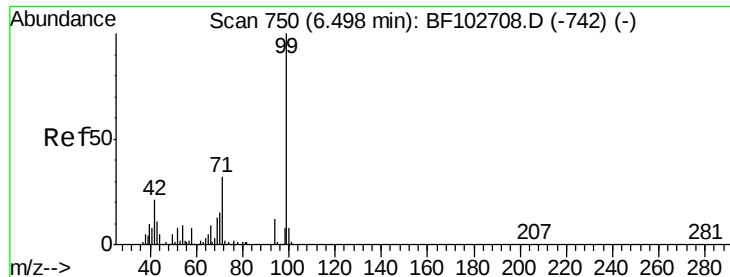


#5

2-Fluorophenol
Concen: 4.561 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.00 min
Lab File: BF102946.D
Acq: 13 Feb 2018 3:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.4	47.9	71.9
63	33.4	23.7	35.5





#7

Phenol-d6

Concen: 4.677 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF102946.D

Acq: 13 Feb 2018 3:40

Instrument :

BNA_F

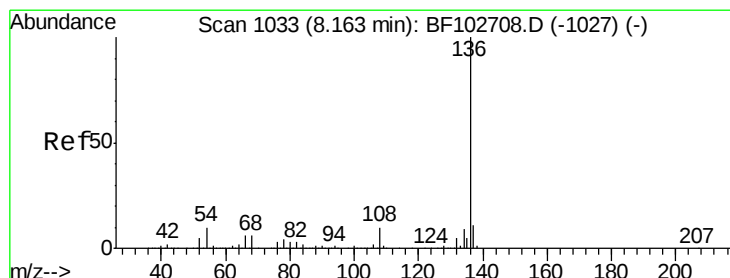
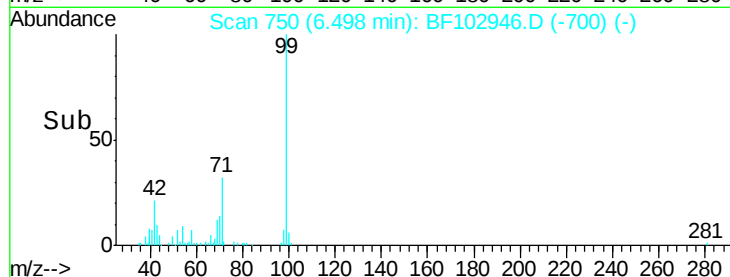
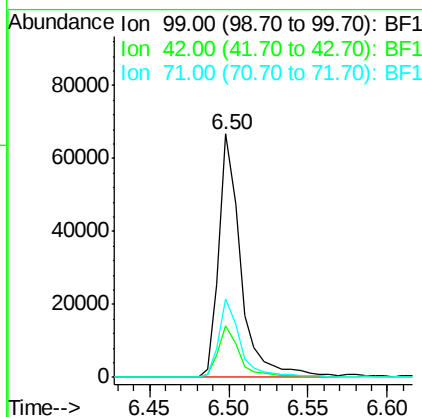
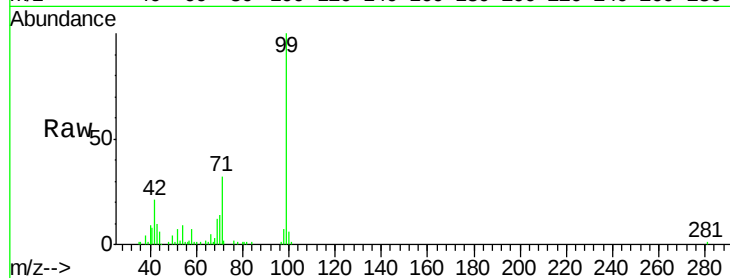
ClientSampleId :

A2 SB71 SW 7

Tot Ion:	99	Resp:	65092
Ion Ratio	Lower	Upper	
99	100		
42	21.3	14.5	21.7
71	32.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

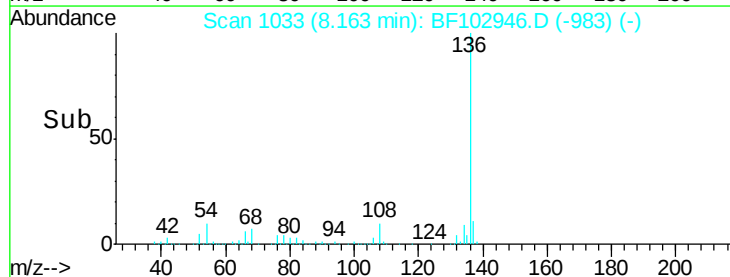
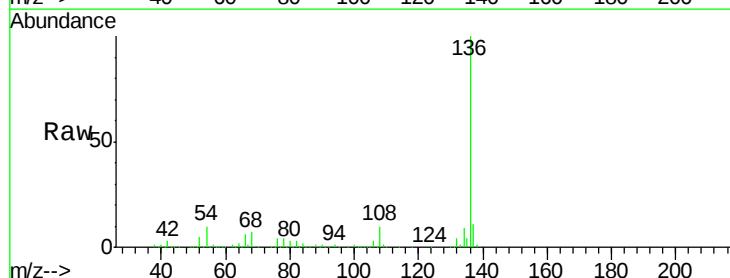
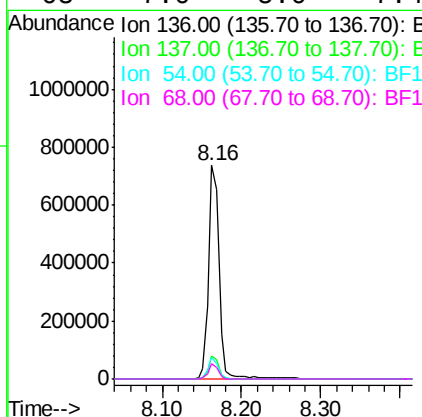
RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF102946.D

Acq: 13 Feb 2018 3:40

Tgt Ion:	136	Resp:	693354
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	10.4	6.6	9.8#
68	7.0	5.0	7.4





#23

Nitrobenzene-d5

Concen: 4.179 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF102946.D

Acq: 13 Feb 2018 3:40

Instrument :

BNA_F

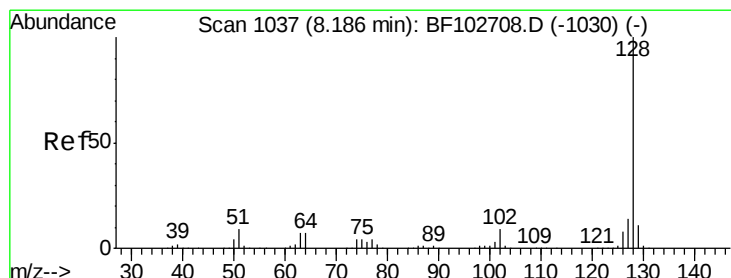
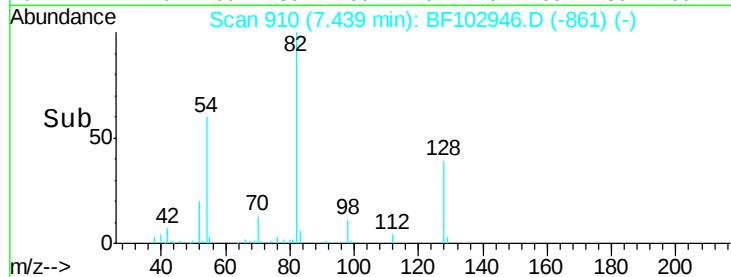
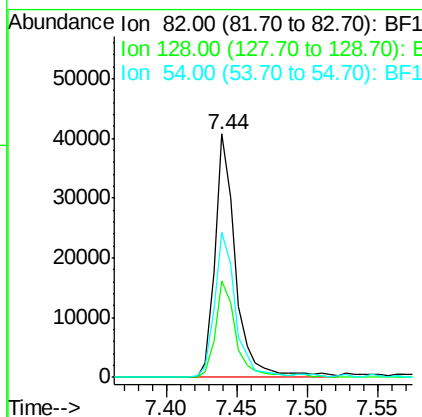
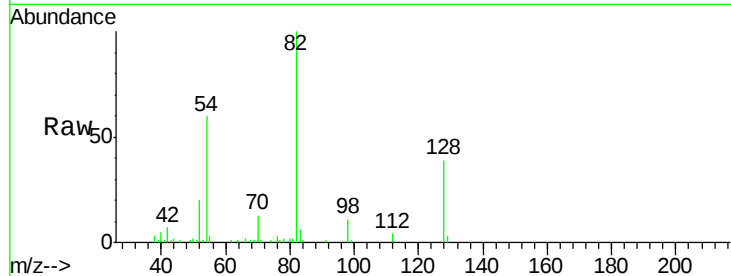
ClientSampleId :

A2 SB71 SW 7

Tot Ion:	82	Resp:	41764
Ion Ratio	Lower	Upper	
82	100		
128	39.4	36.1	54.1
54	59.7	41.4	62.2

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#31

Naphthalene

Concen: 3.687 ng

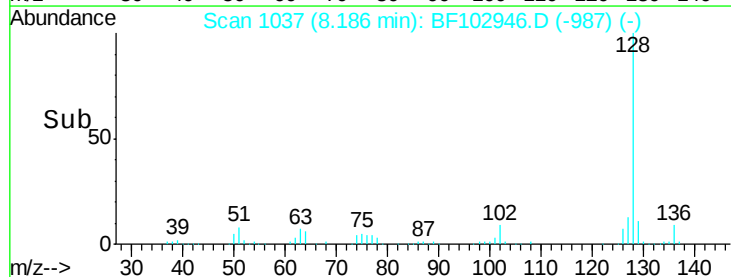
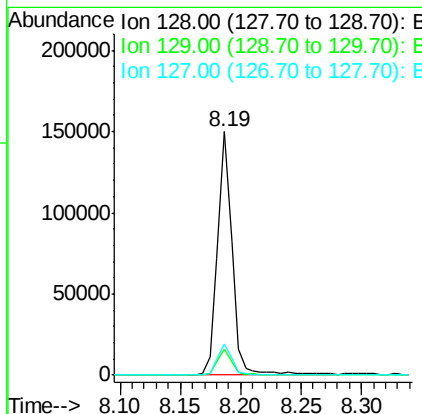
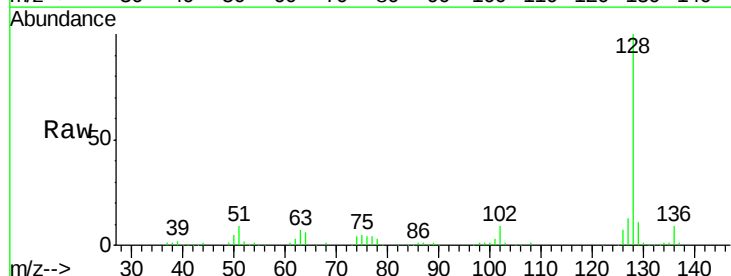
RT: 8.19 min Scan# 1037

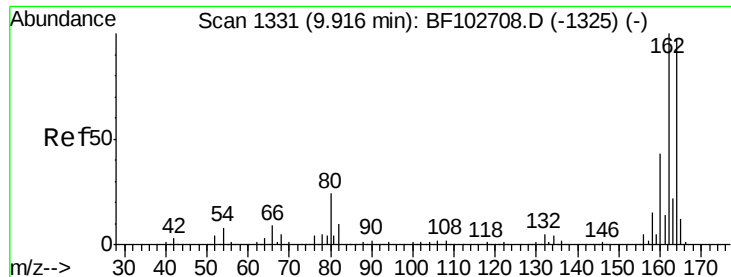
Delta R.T. -0.01 min

Lab File: BF102946.D

Acq: 13 Feb 2018 3:40

Tgt Ion:	128	Resp:	124914
Ion Ratio	Lower	Upper	
128	100		
129	10.9	8.8	13.2
127	13.0	10.9	16.3





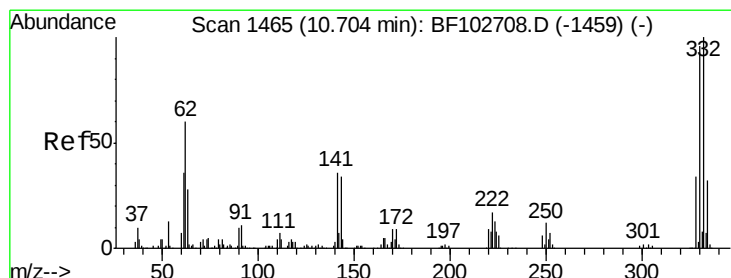
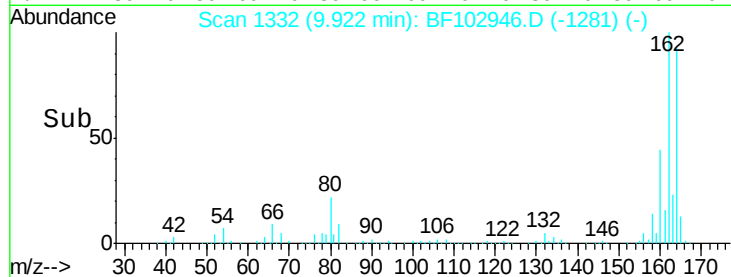
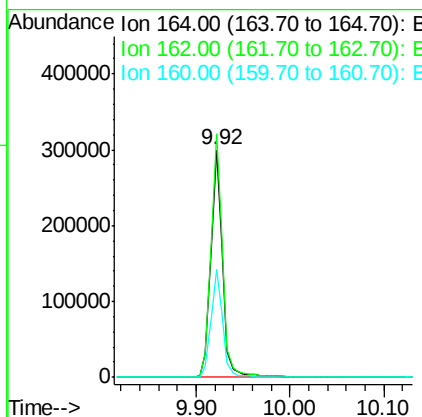
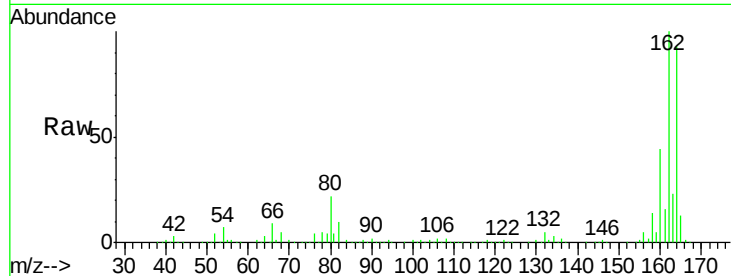
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: BF102946.D
 Acq: 13 Feb 2018 3:40

Instrument :
 BNA_F
 ClientSampleId :
 A2 SB71 SW 7

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	107.2	86.1	129.1	
160	47.4	38.3	57.5	

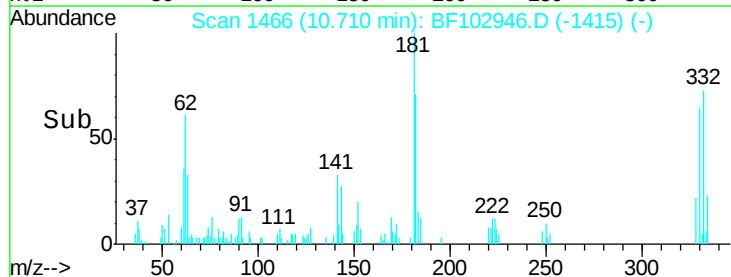
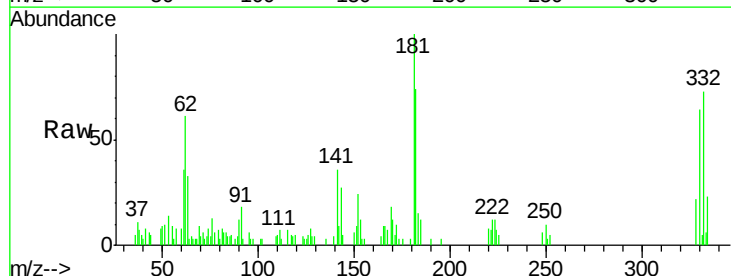
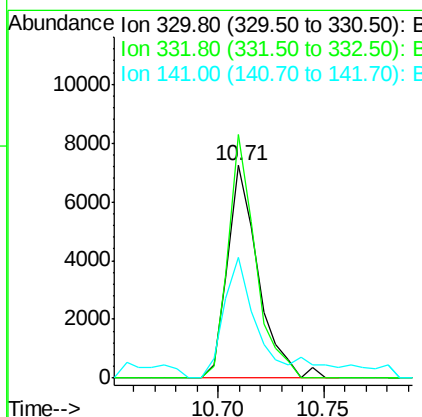
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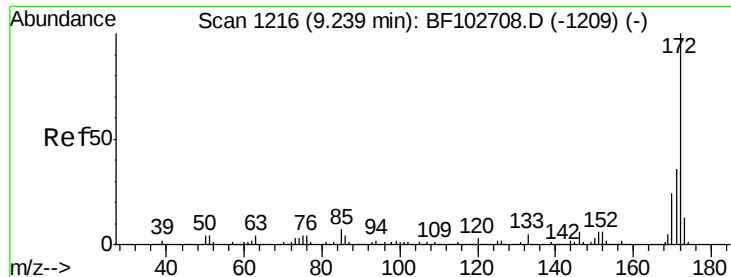
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#41
 2,4,6-Tribromophenol
 Concen: 3.352 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF102946.D
 Acq: 13 Feb 2018 3:40

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	101.7	77.0	115.6	
141	57.9	29.9	44.9	





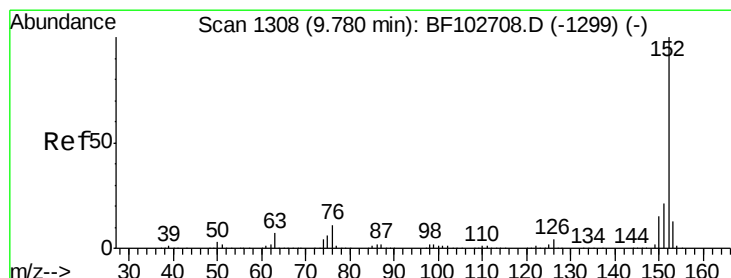
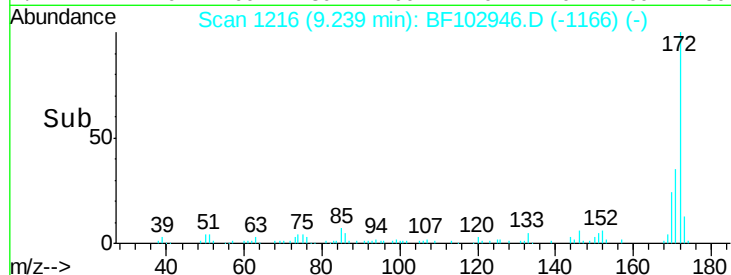
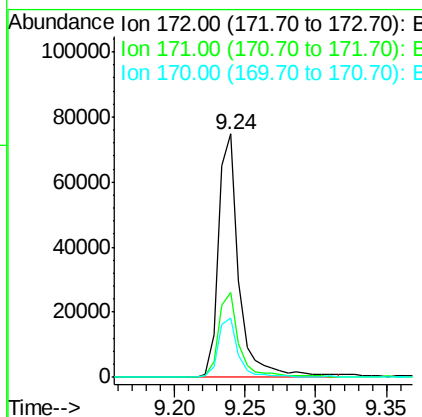
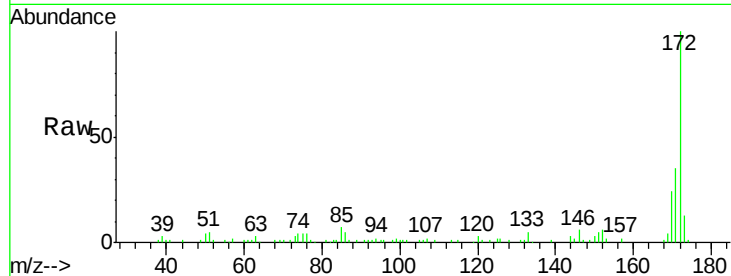
#44
2-Fluorobiphenyl
Concen: 4.657 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF102946.D
Acq: 13 Feb 2018 3:40

Instrument :
BNA_F
ClientSampleId :
A2 SB71 SW 7

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.1	29.7	44.5	
170	24.2	19.6	29.4	

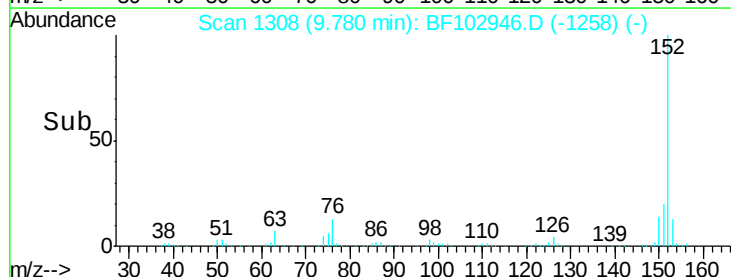
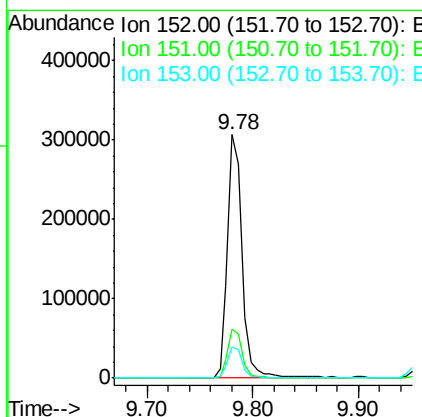
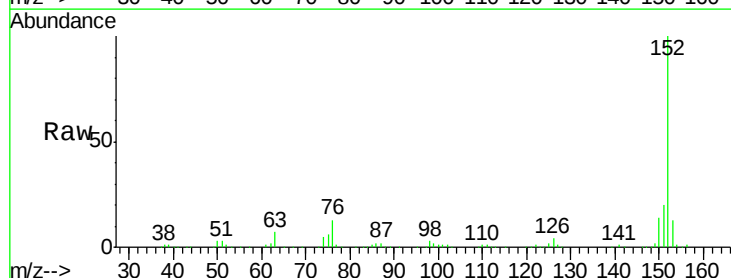
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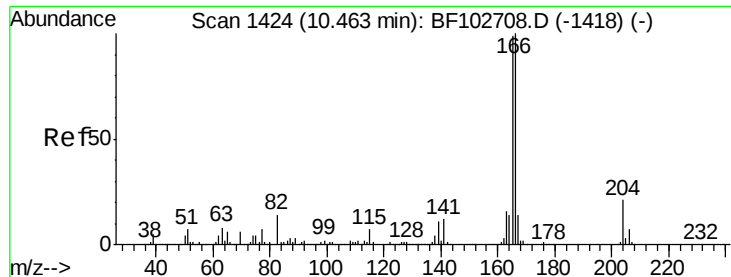
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#48
Acenaphthylene
Concen: 10.734 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF102946.D
Acq: 13 Feb 2018 3:40

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
151	20.4	16.3	24.5	
153	12.8	10.7	16.1	





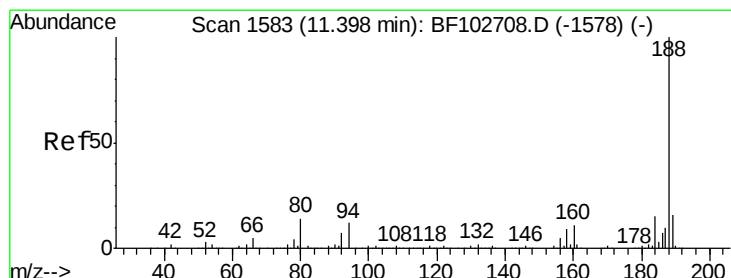
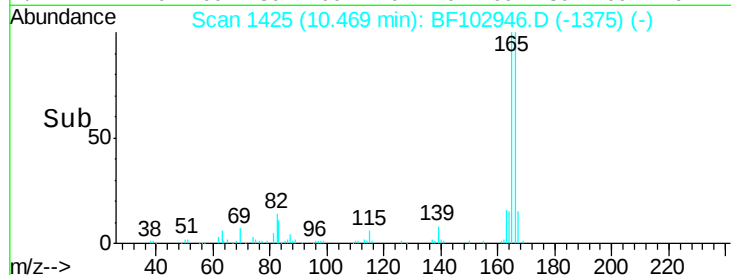
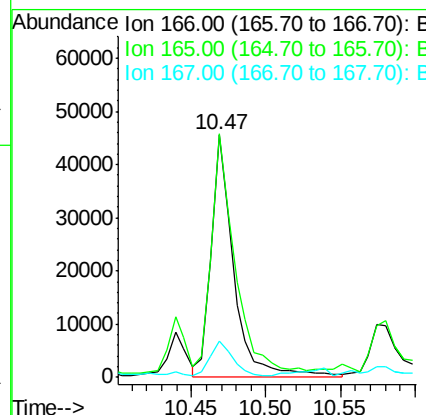
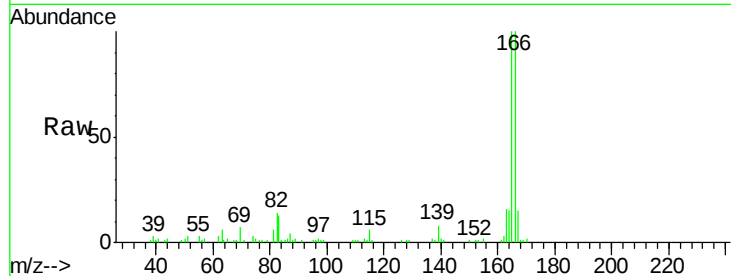
#57
Fluorene
 Concen: 2.824 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: BF102946.D
 Acq: 13 Feb 2018 3:40

Instrument :
 BNA_F
 ClientSampleId :
 A2 SB71 SW 7

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.4	79.8	119.8
167	14.8	10.6	16.0

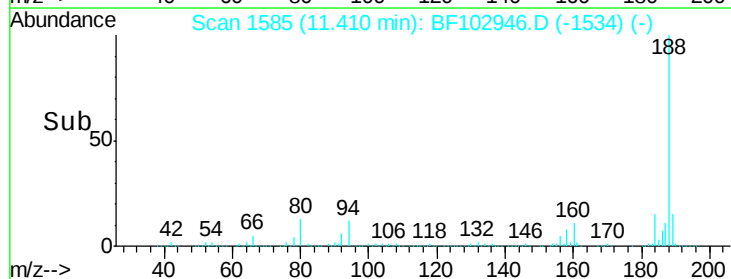
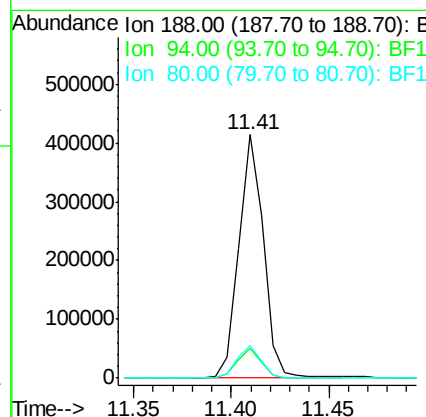
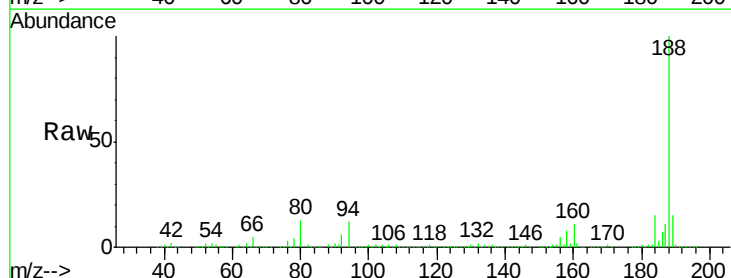
Manual Integrations
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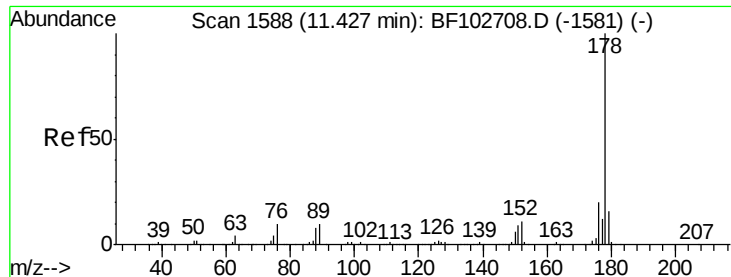
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: BF102946.D
 Acq: 13 Feb 2018 3:40

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.1	8.5	12.7
80	13.1	9.2	13.8





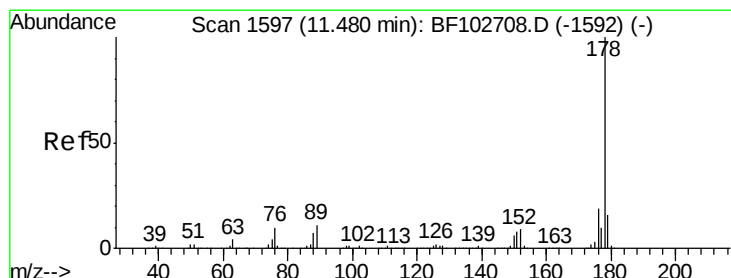
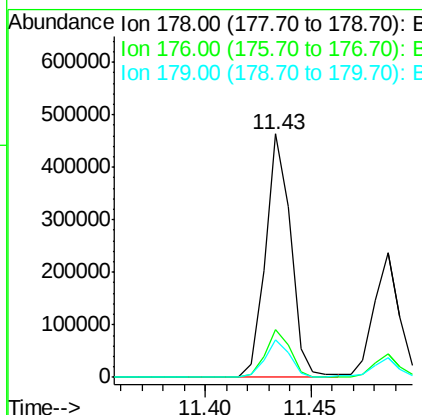
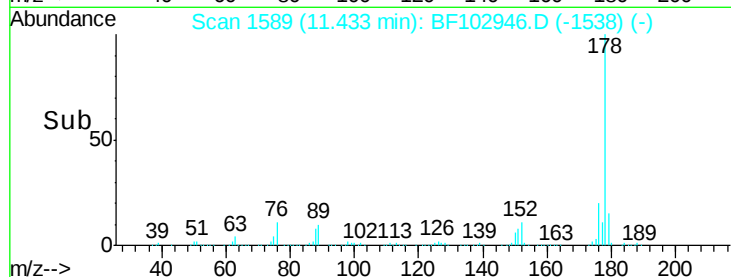
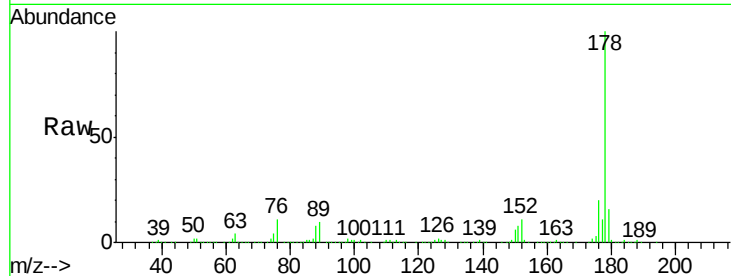
#70
Phenanthrene
Concen: 19.053 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.00 min
Lab File: BF102946.D
Acq: 13 Feb 2018 3:40

Instrument :
BNA_F
ClientSampleId :
A2 SB71 SW 7

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.6	13.0	19.6

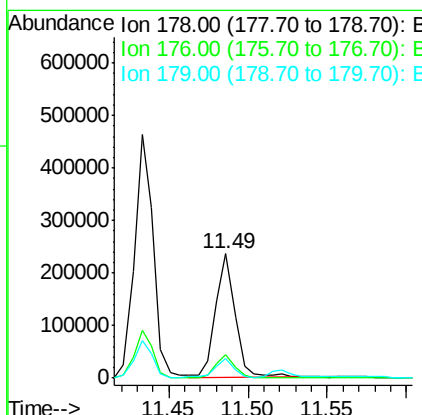
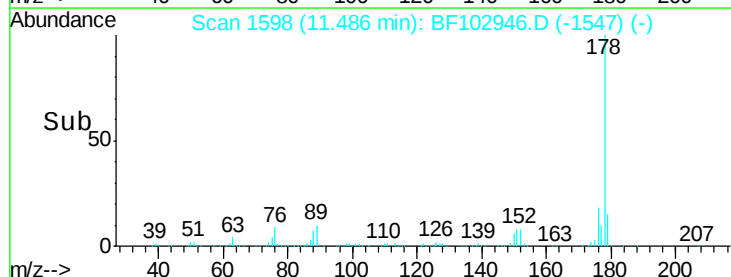
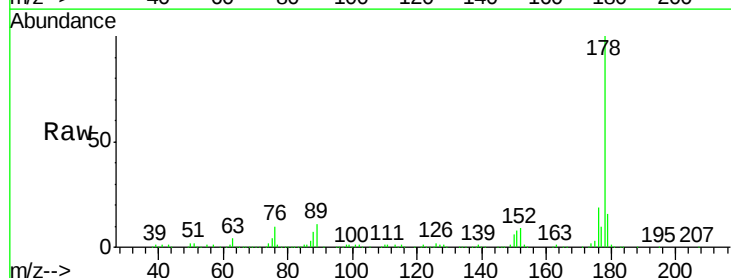
Manual Integrations
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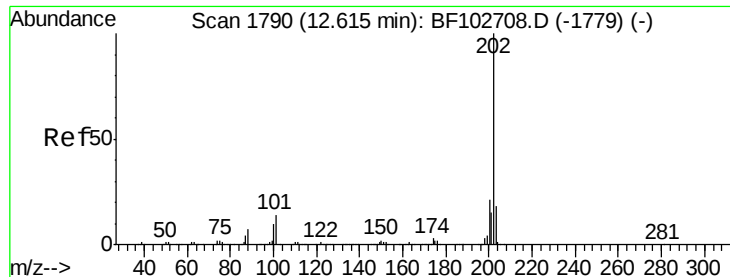
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#71
Anthracene
Concen: 9.890 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.00 min
Lab File: BF102946.D
Acq: 13 Feb 2018 3:40

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	15.6	12.6	19.0





#74

Fluoranthene

Concen: 42.858 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.01 min

Lab File: BF102946.D

Acq: 13 Feb 2018 3:40

Instrument :

BNA_F

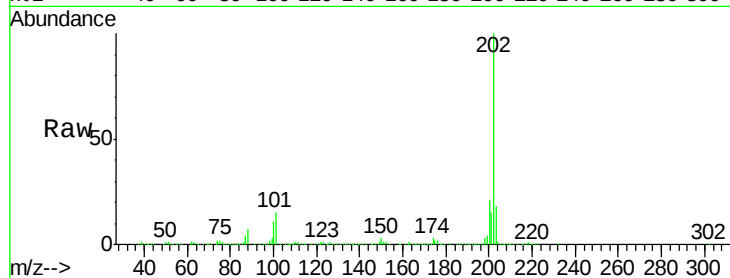
ClientSampleId :

A2 SB71 SW 7

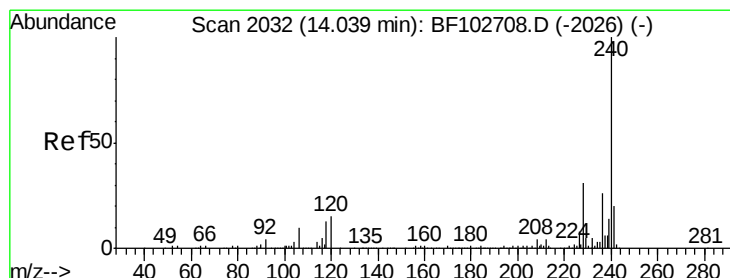
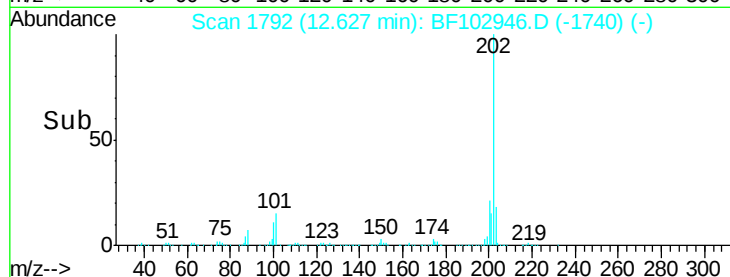
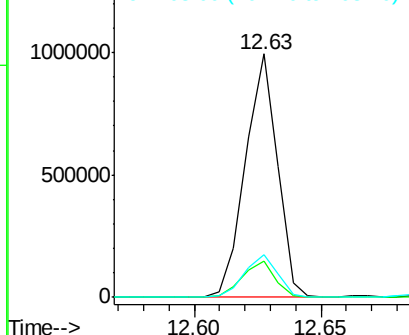
Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	15.1	0.0	34.1
203	17.6	0.0	38.1

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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

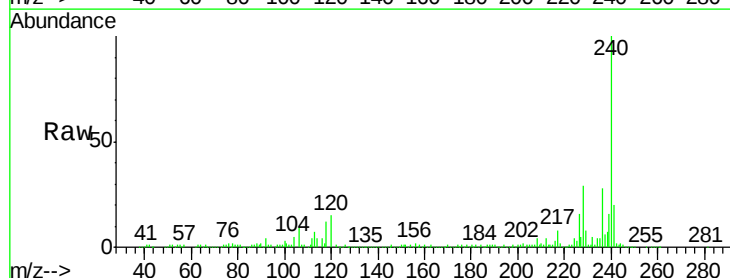
RT: 14.06 min Scan# 2035

Delta R.T. 0.01 min

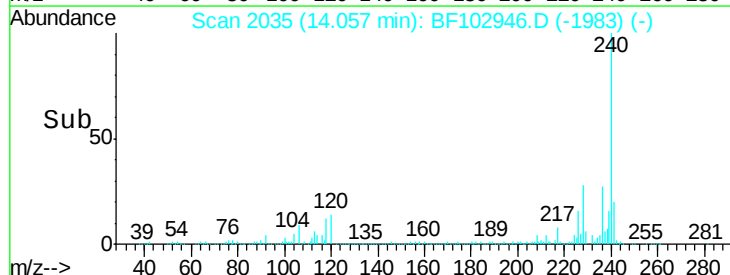
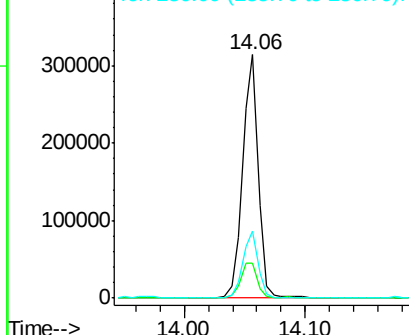
Lab File: BF102946.D

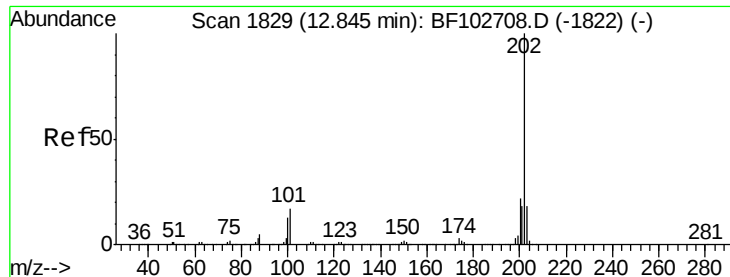
Acq: 13 Feb 2018 3:40

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	14.5	9.5	14.3#
236	27.6	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: 37.942 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.01 min

Lab File: BF102946.D

Acq: 13 Feb 2018 3:40

Instrument :

BNA_F

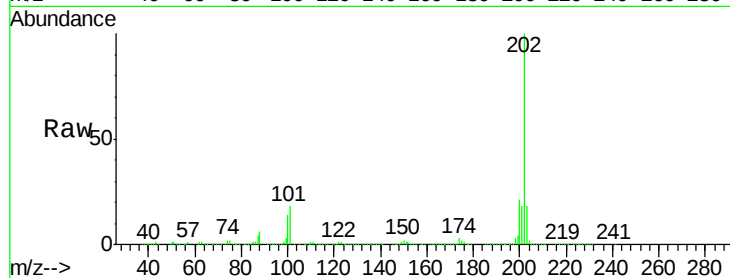
ClientSampleId :

A2 SB71 SW 7

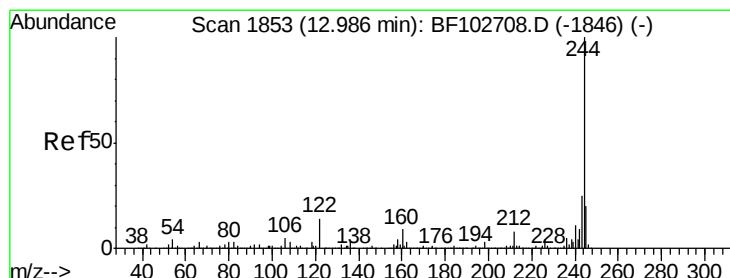
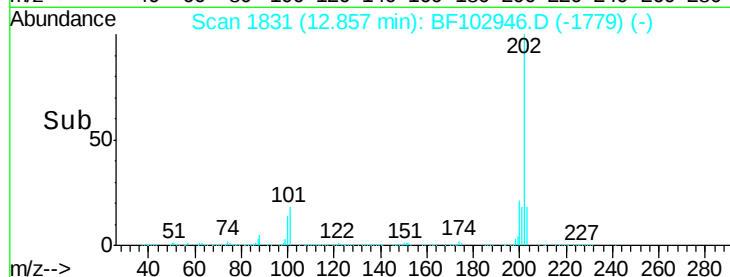
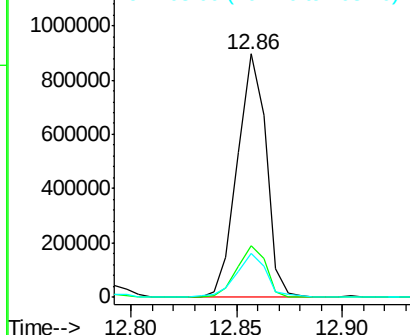
Tot Ion:	202	Resp:	841669
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.4	26.2
203	18.0	14.3	21.5

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 3.929 ng

RT: 12.99 min Scan# 1854

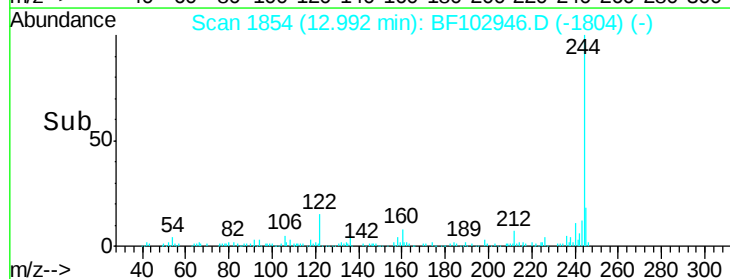
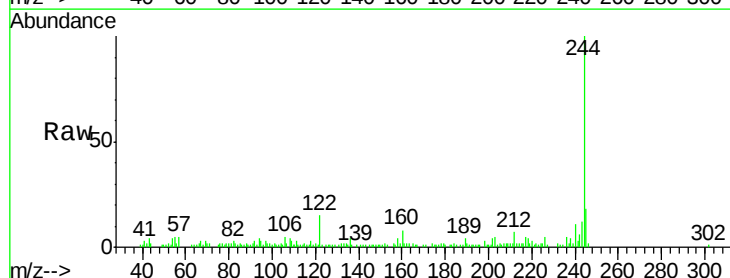
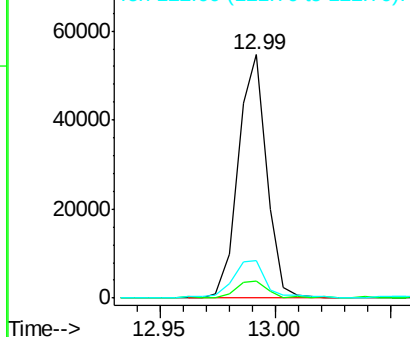
Delta R.T. -0.01 min

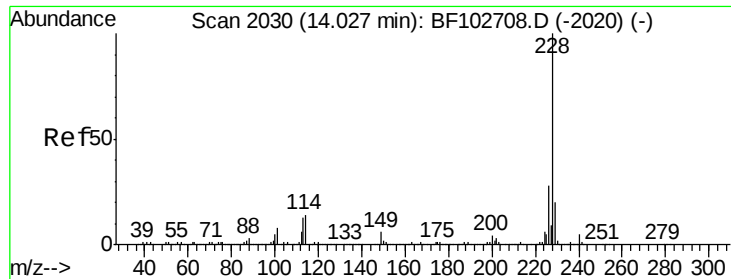
Lab File: BF102946.D

Acq: 13 Feb 2018 3:40

Tgt Ion:	244	Resp:	46944
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.4	8.0
122	15.4	11.0	16.4

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





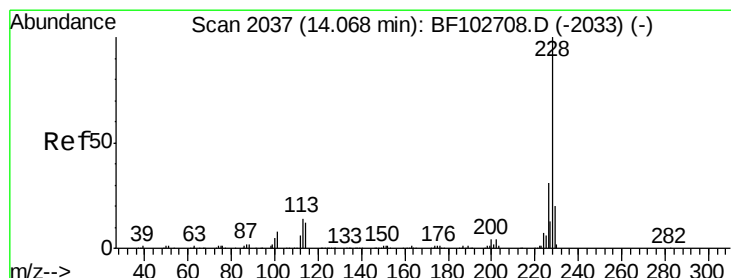
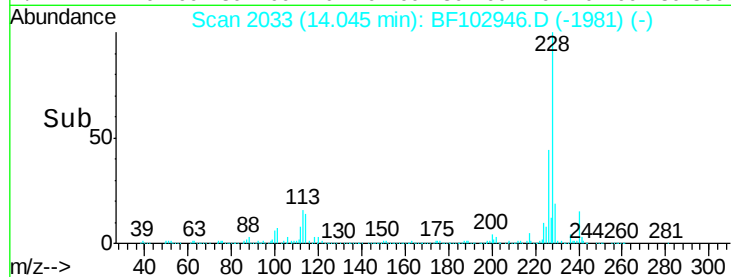
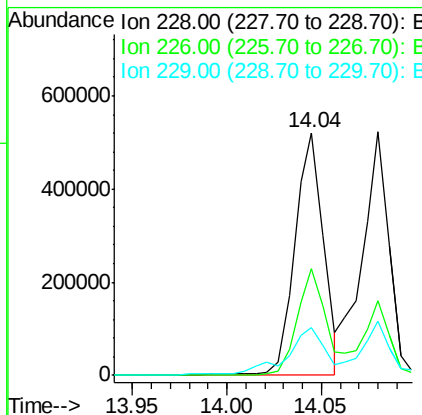
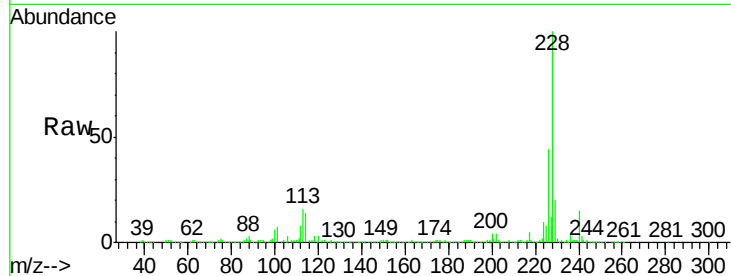
#80
Benzo(a)anthracene
Concen: 30.654 ng m
RT: 14.04 min Scan# 2033
Delta R.T. 0.01 min
Lab File: BF102946.D
Acq: 13 Feb 2018 3:40

Instrument :
BNA_F
ClientSampleId :
A2 SB71 SW 7

Tot Ion	Ratio	Lower	Upper
228	100		
226	43.9	22.6	33.8#
229	19.8	15.8	23.6

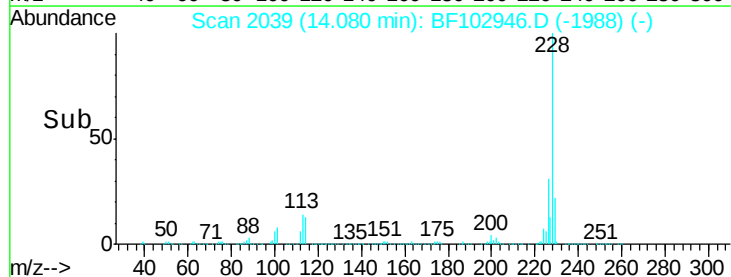
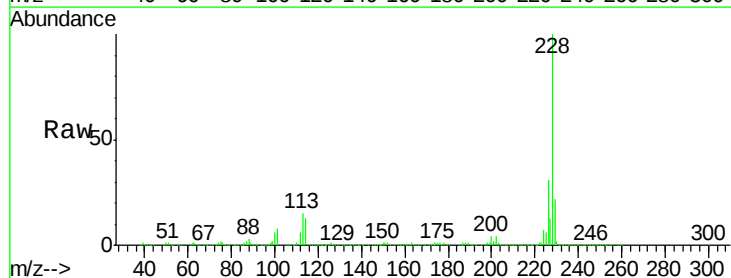
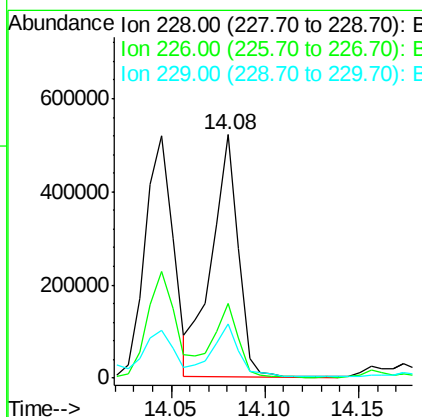
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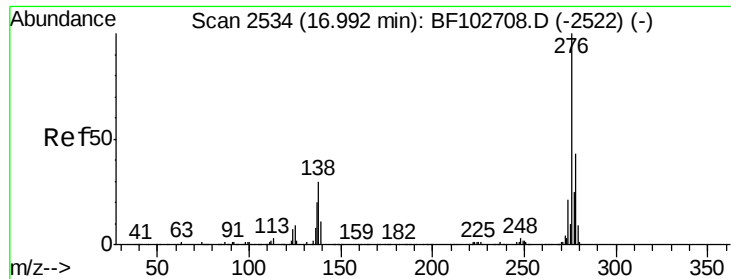
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#82
Chrysene
Concen: 28.936 ng m
RT: 14.08 min Scan# 2039
Delta R.T. -0.00 min
Lab File: BF102946.D
Acq: 13 Feb 2018 3:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	22.3	16.2	24.4





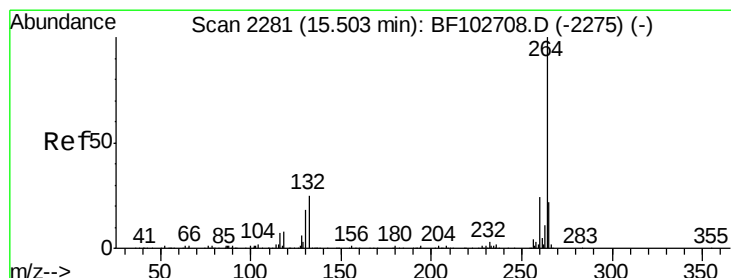
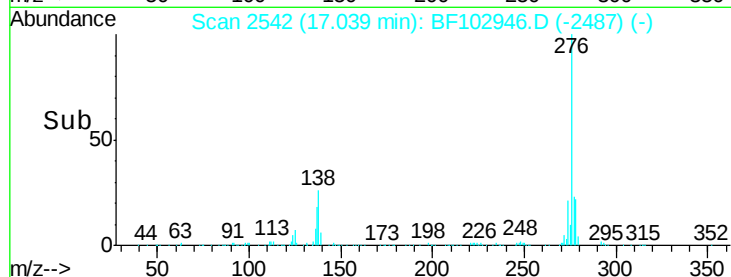
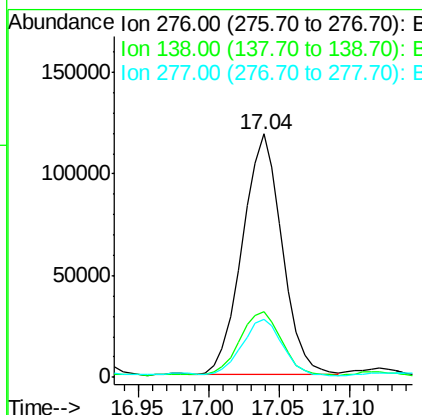
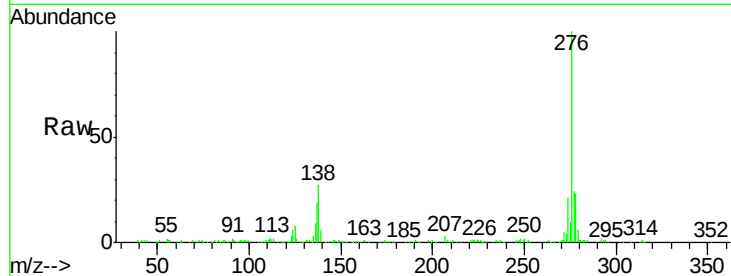
#85
Indeno(1,2,3-cd)pyrene
Concen: 15.539 ng
RT: 17.04 min Scan# 2542
Delta R.T. 0.02 min
Lab File: BF102946.D
Acq: 13 Feb 2018 3:40

Instrument :
BNA_F
ClientSampleId :
A2 SB71 SW 7

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.3	25.0	37.6
277	23.8	20.1	30.1

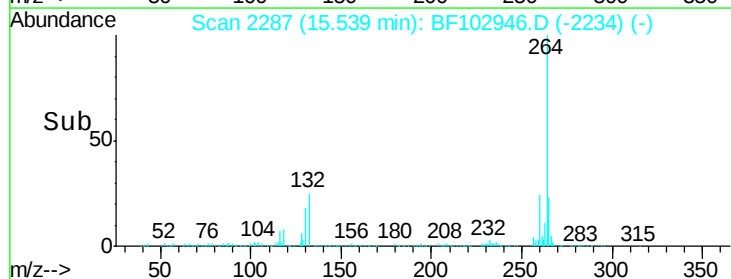
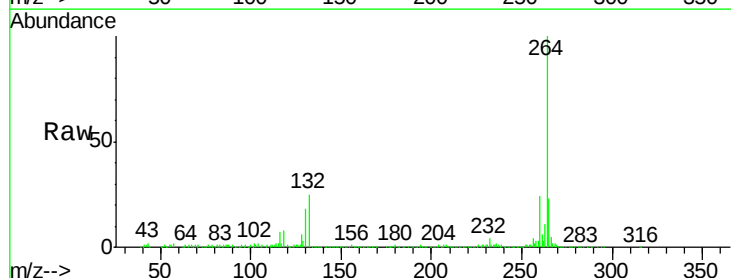
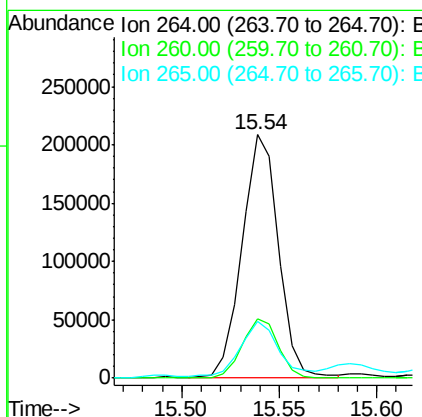
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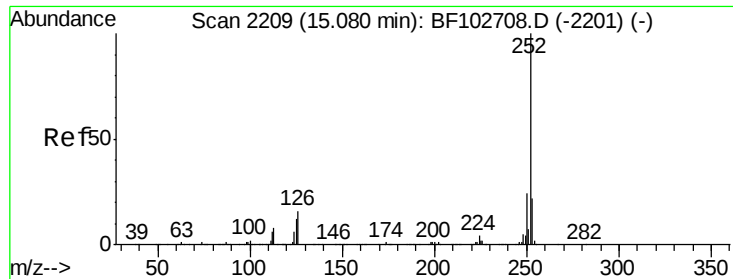
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BF102946.D
Acq: 13 Feb 2018 3:40

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	23.1	17.5	26.3





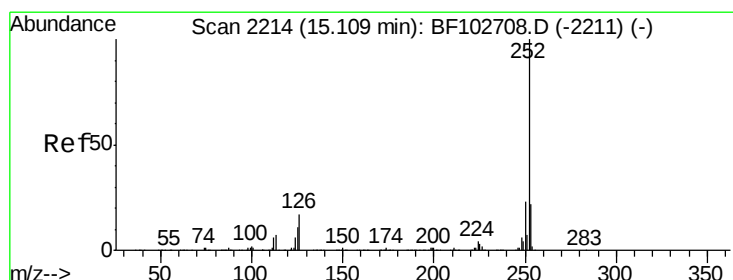
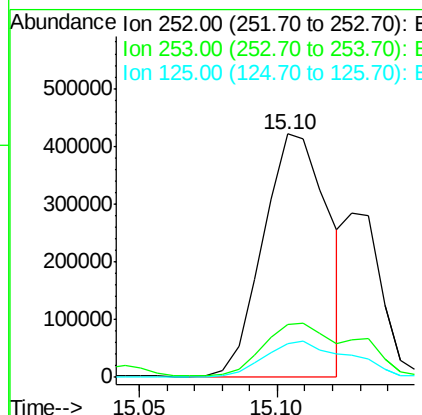
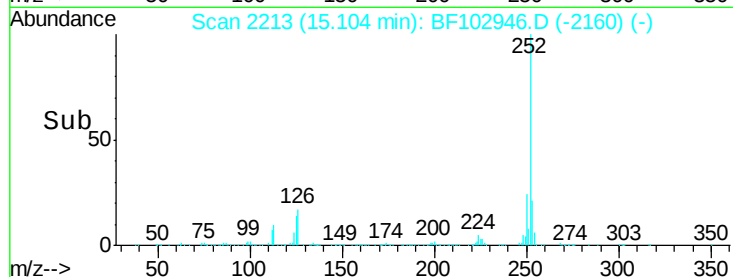
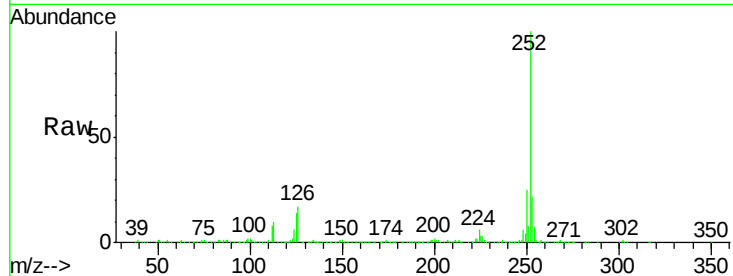
#87
Benzo(b)fluoranthene
Concen: 39.617 ng m
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF102946.D
Acq: 13 Feb 2018 3:40

Instrument :
BNA_F
ClientSampleId :
A2 SB71 SW 7

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.0	25.6
125	13.9	9.0	13.6

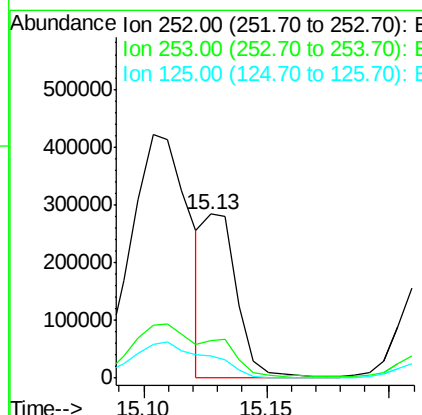
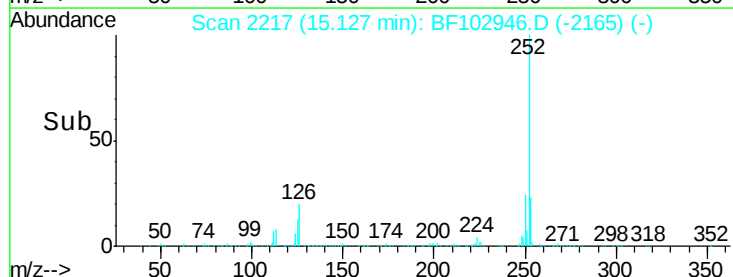
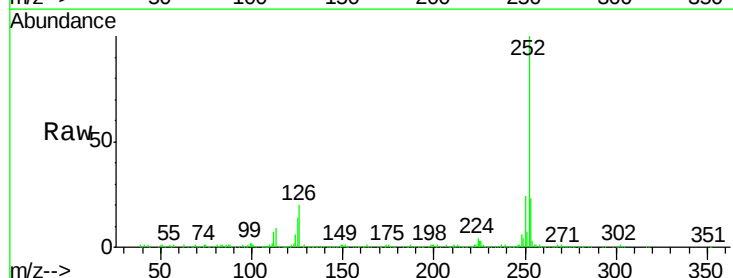
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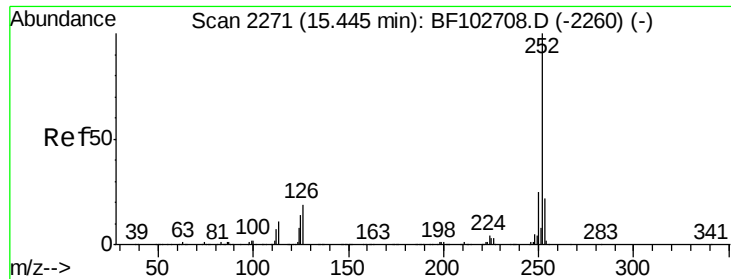
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#88
Benzo(k)fluoranthene
Concen: 15.760 ng m
RT: 15.13 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF102946.D
Acq: 13 Feb 2018 3:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	13.8	10.2	15.2





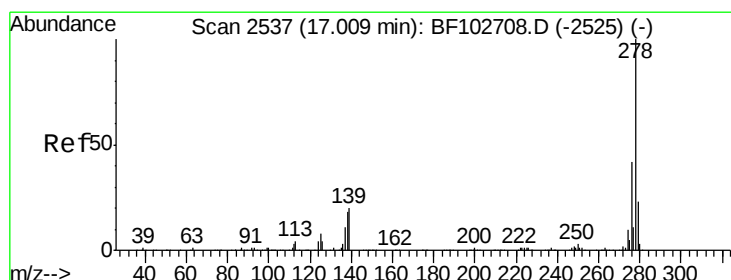
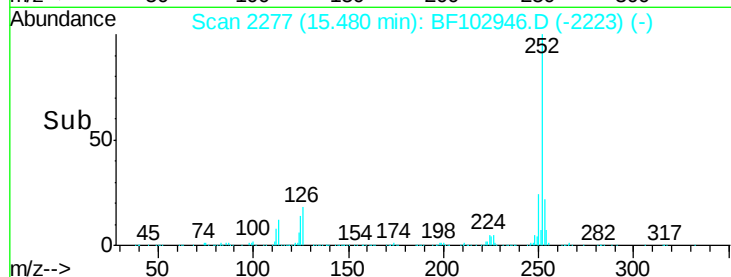
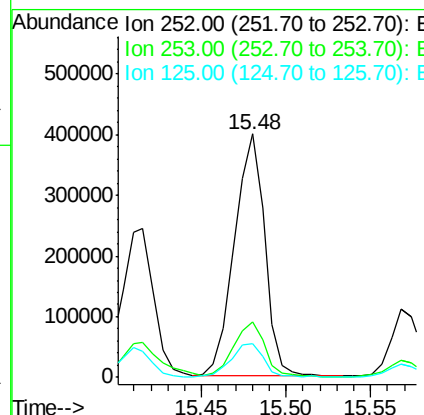
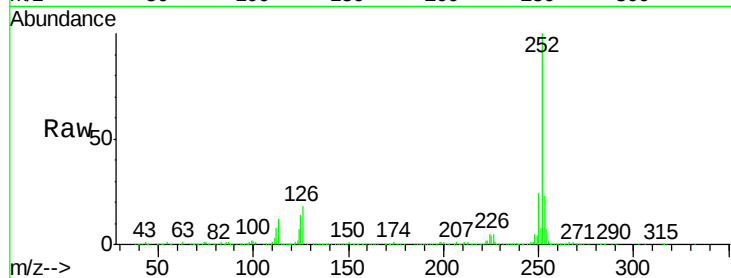
#89
Benzo(a)pyrene
Concen: 32.068 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.02 min
Lab File: BF102946.D
Acq: 13 Feb 2018 3:40

Instrument :
BNA_F
ClientSampleId :
A2 SB71 SW 7

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	13.8	9.8	14.6

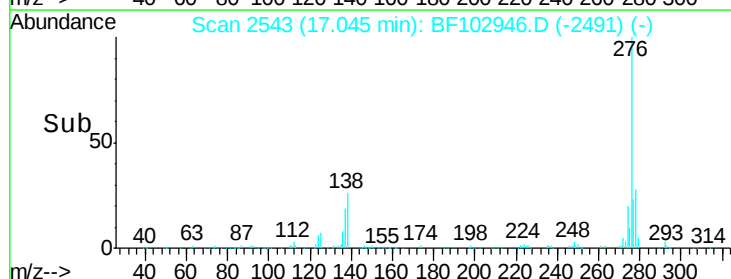
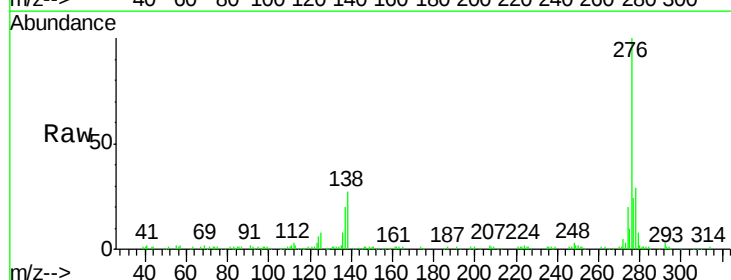
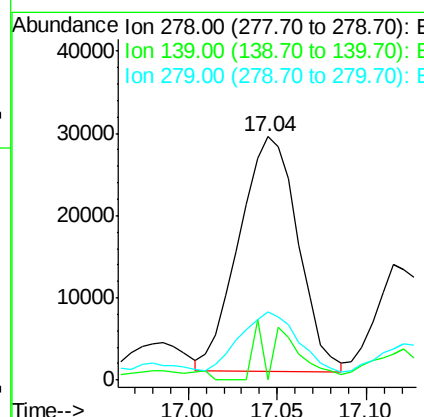
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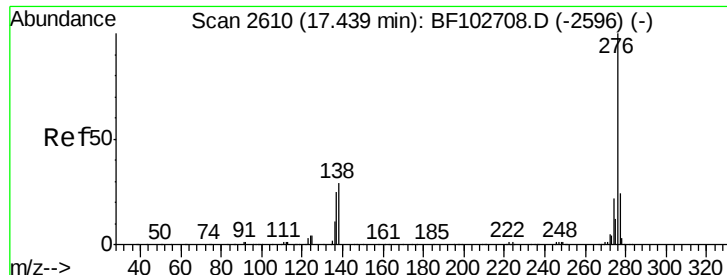
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#90
Dibenzo(a,h)anthracene
Concen: 5.178 ng m
RT: 17.04 min Scan# 2543
Delta R.T. 0.01 min
Lab File: BF102946.D
Acq: 13 Feb 2018 3:40

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	27.9	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 17.406 ng
 RT: 17.50 min Scan# 2620
 Delta R.T. 0.02 min
 Lab File: BF102946.D
 Acq: 13 Feb 2018 3:40

Instrument :
 BNA_F
 ClientSampleId :
 A2 SB71 SW 7

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	24.6	17.9	26.9
138	28.4	21.8	32.8

Manual Integrations
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