

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF021218\
 Data File : BF102949.D
 Acq On : 13 Feb 2018 5:00
 Operator : SJ/JU
 Sample : J1519-05 20X
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A2 SB40 NW 8

Manual Integrations
 APPROVED

Sohil
 2/13/2018 11:26:45 AM

Quant Time: Feb 13 06:21:52 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	160354	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	647458	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	261853	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	377365	20.00	ng	0.00
75) Chrysene-d12	14.06	240	293593	20.00	ng	0.00
86) Perylene-d12	15.54	264	265074	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	49159	4.66	ng	0.00
7) Phenol-d6	6.50	99	56370	4.43	ng	0.00
23) Nitrobenzene-d5	7.44	82	34343	3.68	ng	-0.01
41) 2,4,6-Tribromophenol	10.71	330	7026	3.33	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	63911	4.05	ng	0.00
78) Terphenyl-d14	12.99	244	42942	3.46	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.19	128	69426	2.195	ng	99
48) Acenaphthylene	9.78	152	138541	5.137	ng	98
57) Fluorene	10.47	166	38364	2.320	ng	93
70) Phenanthrene	11.43	178	386708	18.400	ng	99
71) Anthracene	11.49	178	138725	6.490	ng	99
74) Fluoranthene	12.63	202	604706	28.598	ng	99
77) Pyrene	12.86	202	516070	22.416	ng	99
80) Benzo(a)anthracene	14.04	228	344222	18.643	ng	93
82) Chrysene	14.08	228	333831	17.935	ng	97
85) Indeno(1,2,3-cd)pyrene	17.04	276	151525	9.816	ng	96
87) Benzo(b)fluoranthene	15.10	252	419423m	24.405	ng	
88) Benzo(k)fluoranthene	15.13	252	119515m	7.278	ng	
89) Benzo(a)pyrene	15.47	252	269763	17.439	ng	95
90) Dibenzo(a,h)anthracene	17.04	278	39593	3.153	ng	# 78
91) Benzo(a,h,i)perylene	17.50	276	150978	12.285	ng	98

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

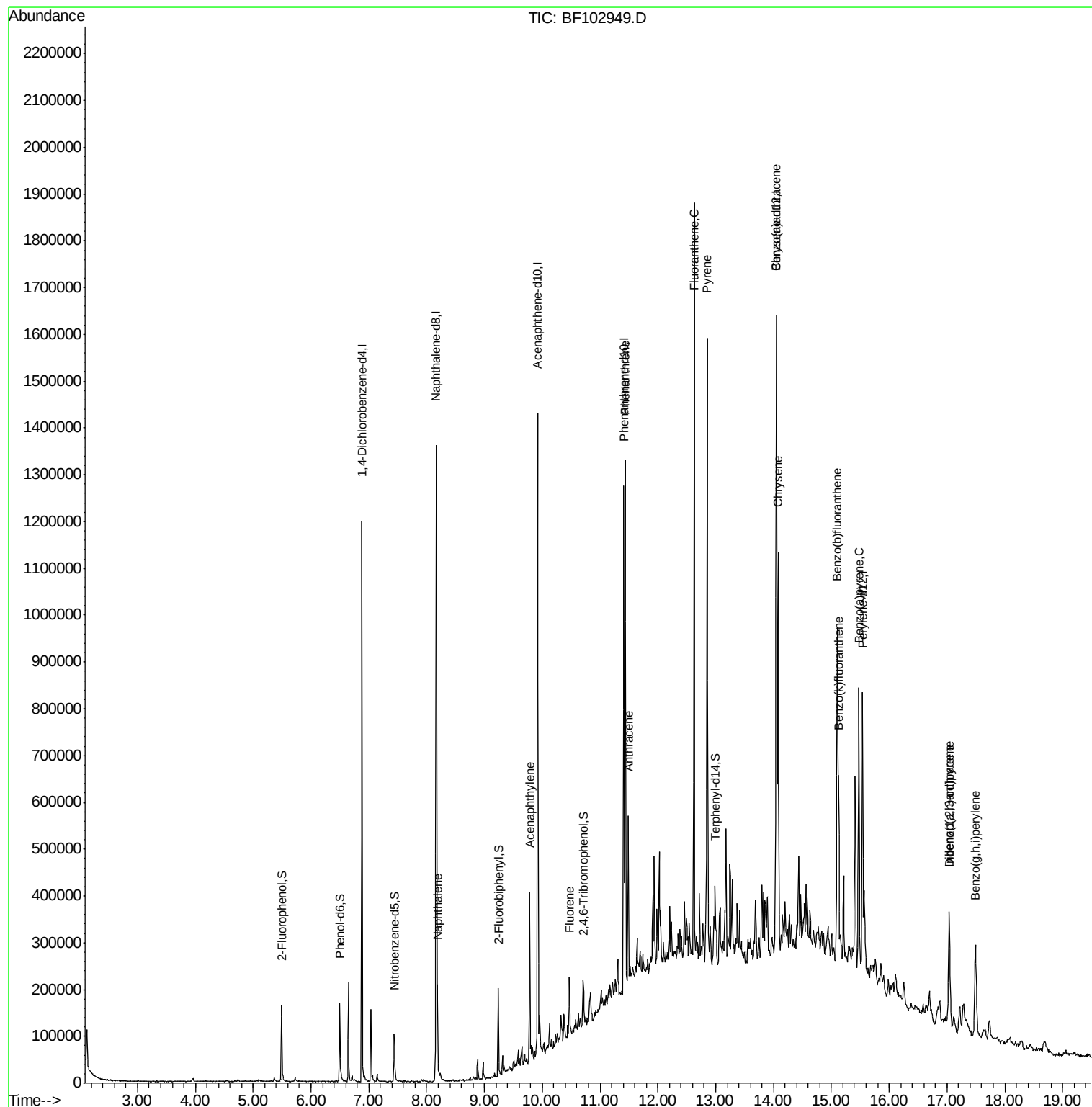
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF021218\
Data File : BF102949.D
Acq On : 13 Feb 2018 5:00
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A2 SB40_NW_8

Manual Integrations
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Quant Time: Feb 13 06:21:52 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
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#1

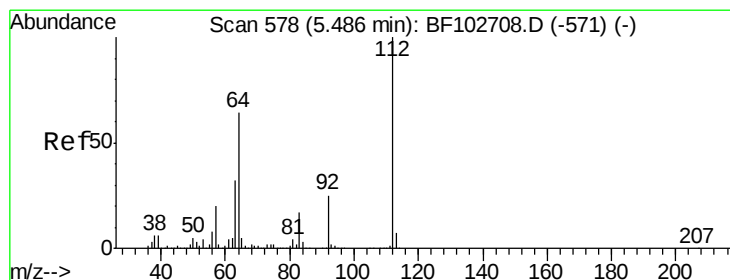
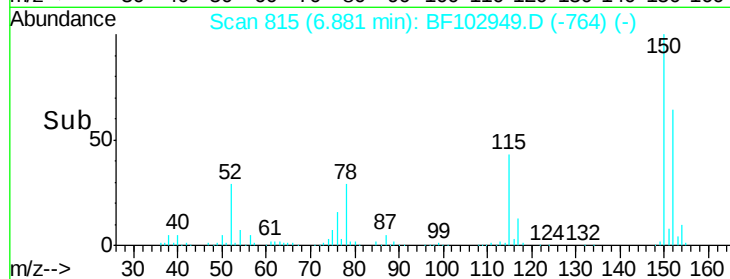
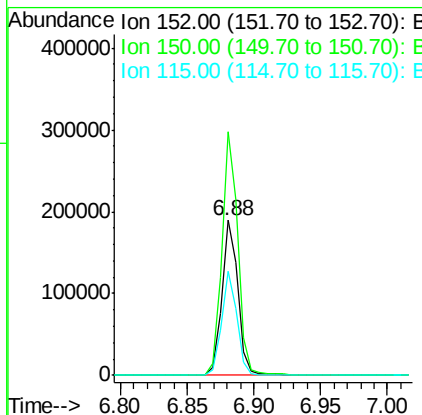
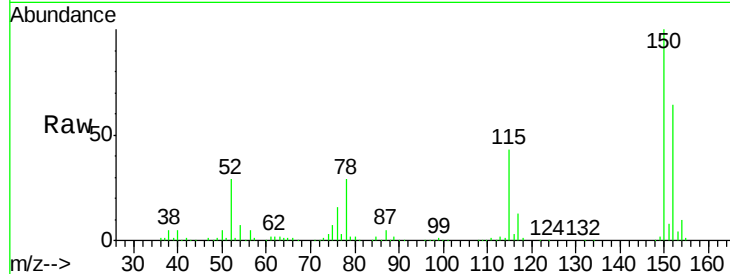
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF102949.D
Acq: 13 Feb 2018 5:00

Instrument :
BNA_F
ClientSampleId :
A2_SB40_NW_8

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.6	186.8
115	66.9	50.1	75.1

Manual Integrations
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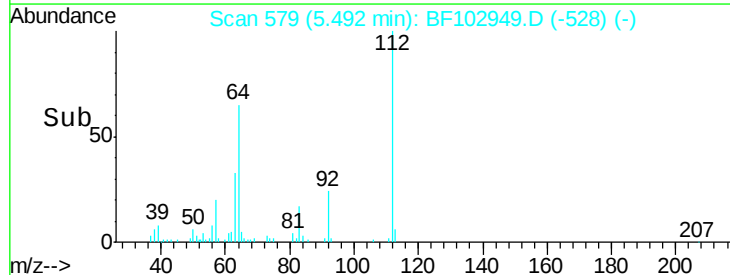
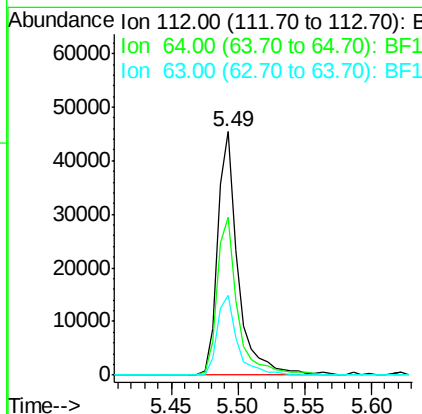
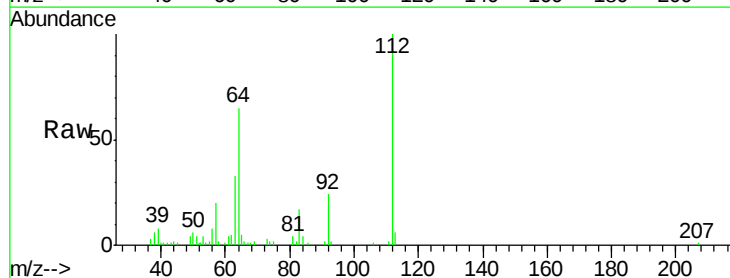
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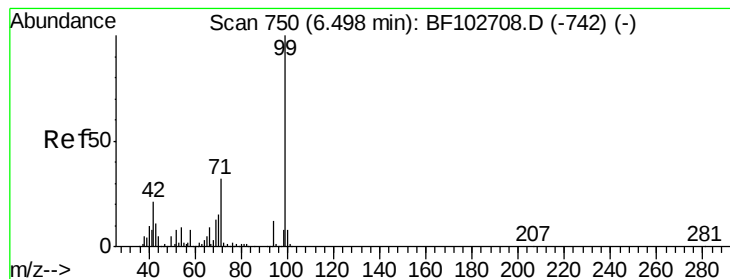


#5

2-Fluorophenol
Concen: 4.656 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.00 min
Lab File: BF102949.D
Acq: 13 Feb 2018 5:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.0	47.9	71.9
63	32.8	23.7	35.5





#7

Phenol-d6

Concen: 4.434 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF102949.D

Acq: 13 Feb 2018 5:00

Instrument :

BNA_F

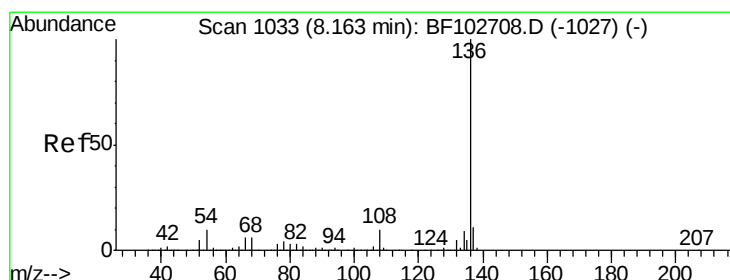
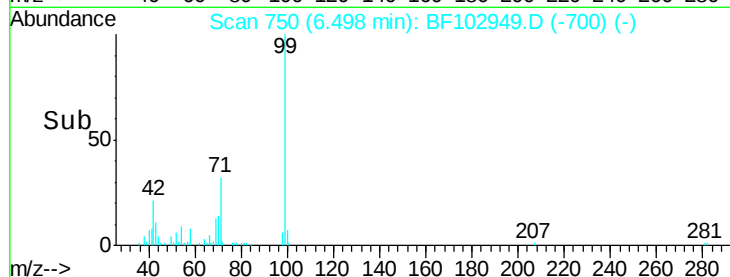
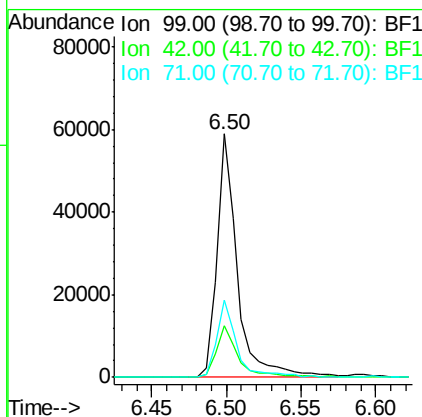
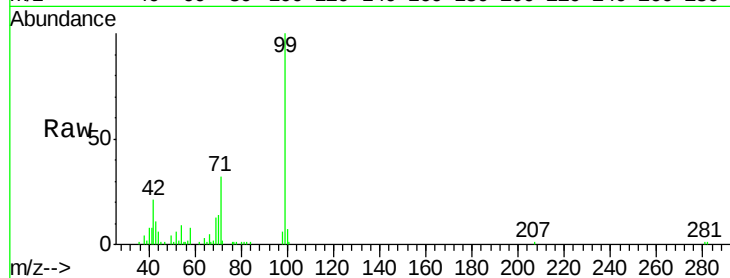
ClientSampleId :

A2_SB40_NW_8

Tot Ion:	99	Resp:	56370
Ion Ratio	Lower	Upper	
99	100		
42	21.1	14.5	21.7
71	31.6	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

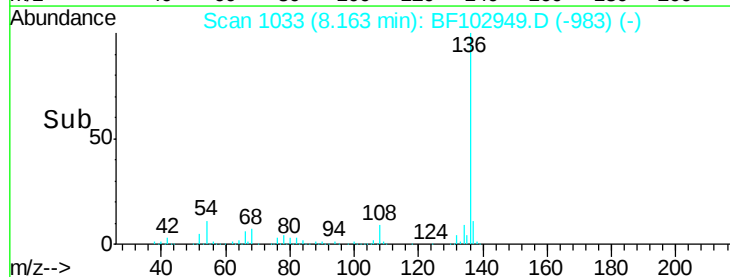
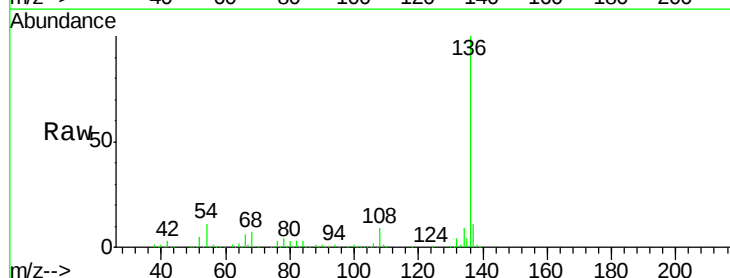
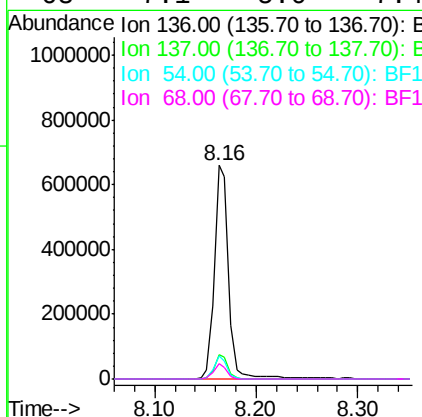
RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF102949.D

Acq: 13 Feb 2018 5:00

Tgt Ion:	136	Resp:	647458
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	10.7	6.6	9.8
68	7.1	5.0	7.4





#23

Nitrobenzene-d5

Concen: 3.680 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF102949.D

Acq: 13 Feb 2018 5:00

Instrument :

BNA_F

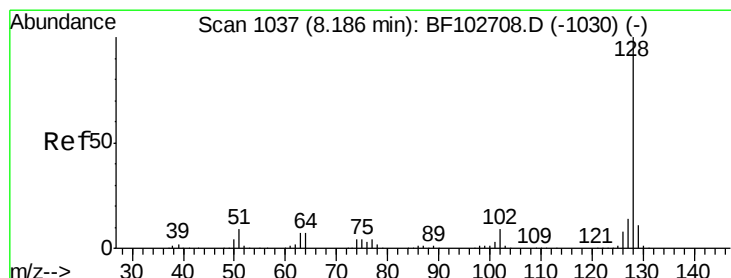
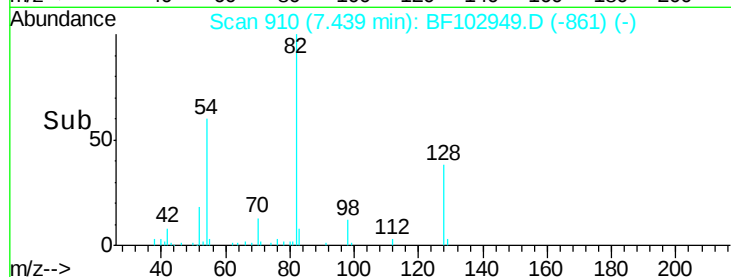
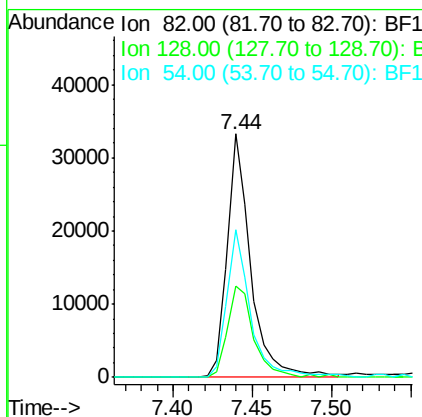
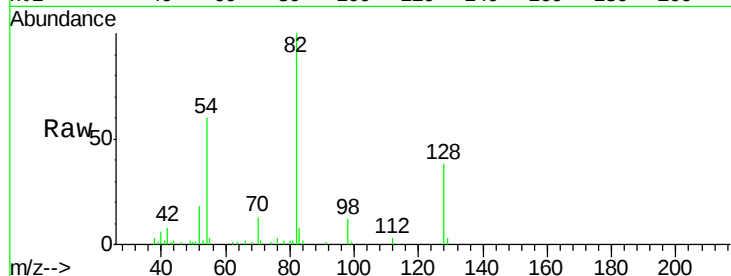
ClientSampleId :

A2_SB40_NW_8

Tot Ion:	82	Resp:	34343
Ion Ratio	Lower	Upper	
82	100		
128	37.7	36.1	54.1
54	60.5	41.4	62.2

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#31

Naphthalene

Concen: 2.195 ng

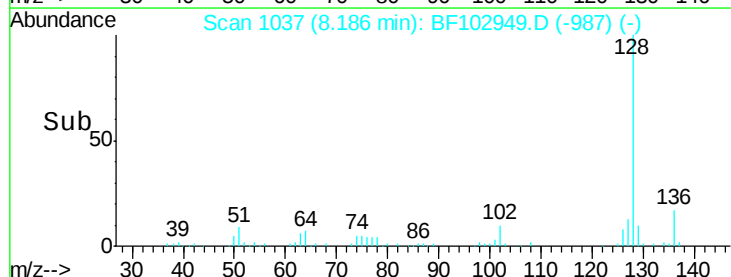
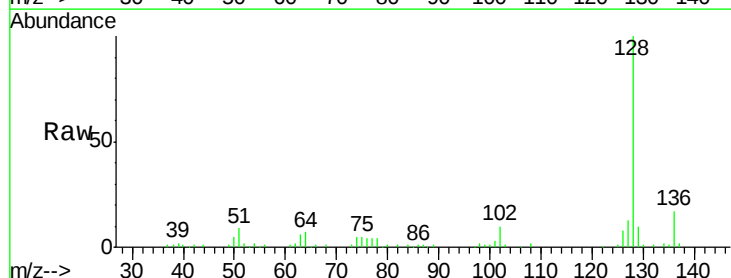
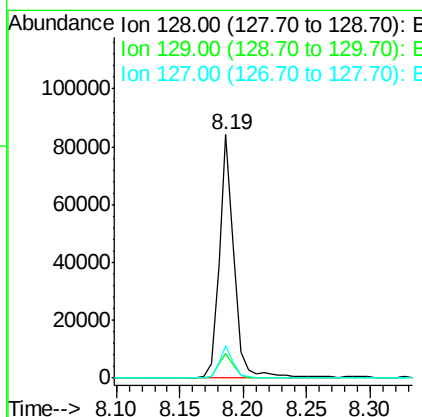
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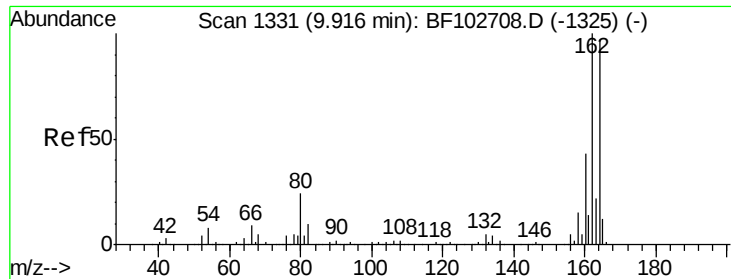
Delta R.T. -0.01 min

Lab File: BF102949.D

Acq: 13 Feb 2018 5:00

Tgt Ion:	128	Resp:	69426
Ion Ratio	Lower	Upper	
128	100		
129	10.1	8.8	13.2
127	13.4	10.9	16.3





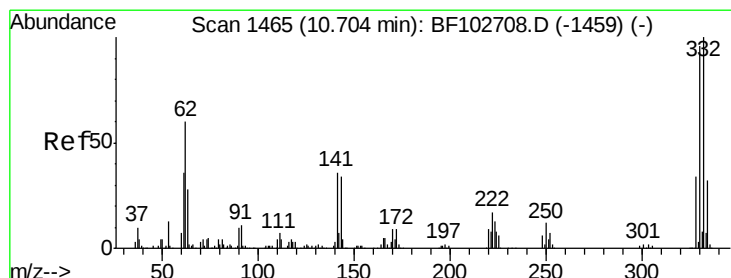
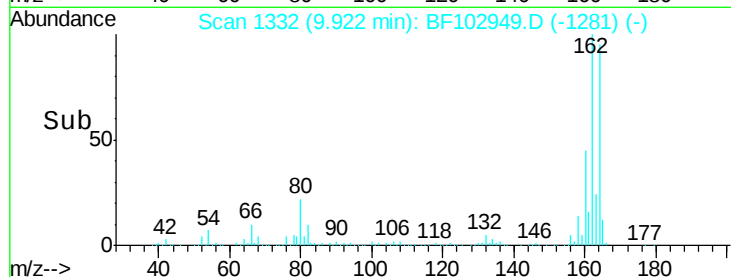
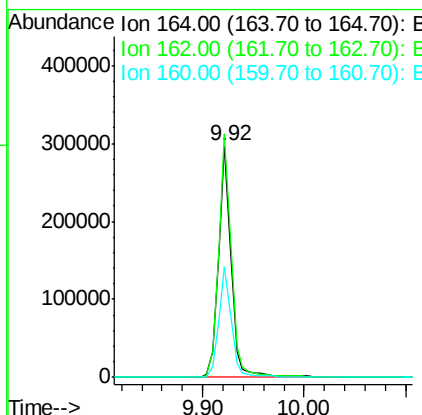
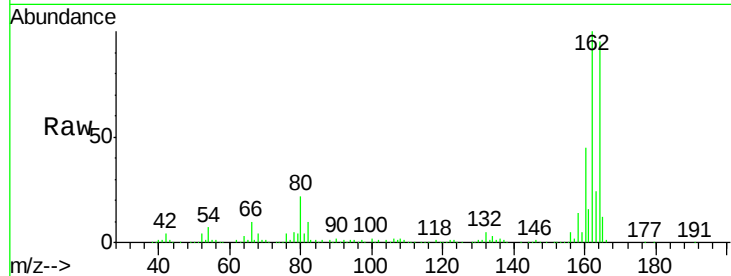
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.00 min
Lab File: BF102949.D
Acq: 13 Feb 2018 5:00

Instrument :
BNA_F
ClientSampleId :
A2_SB40_NW_8

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.3	86.1	129.1	
160	47.6	38.3	57.5	

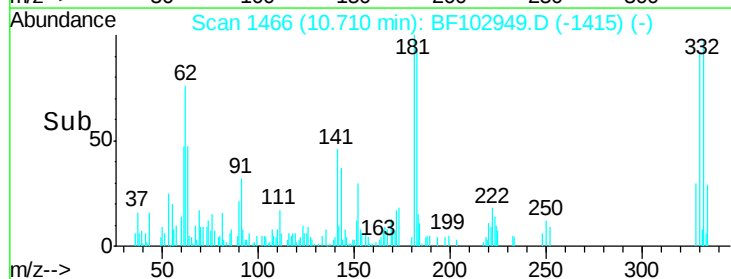
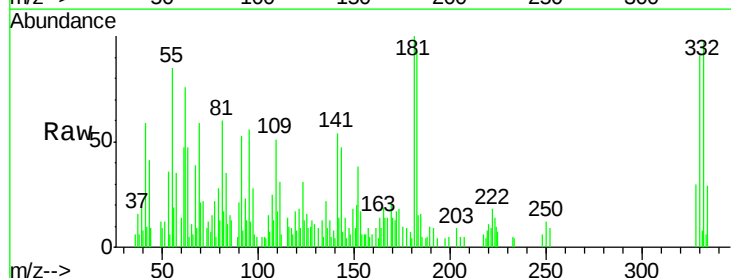
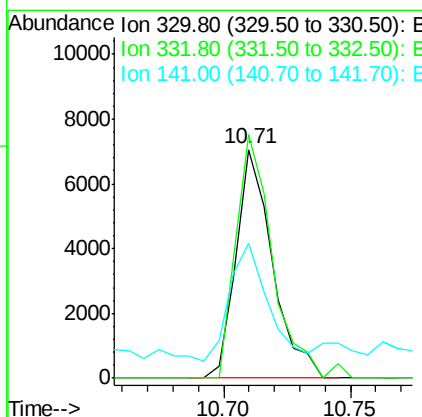
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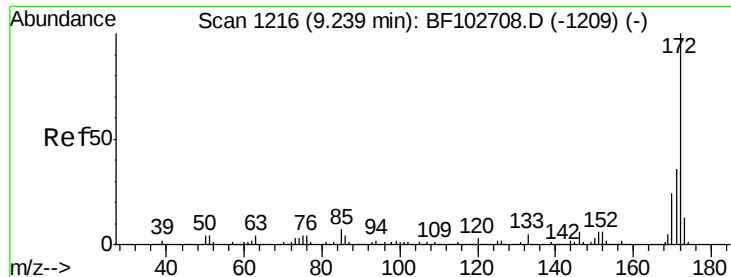
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#41
2,4,6-Tribromophenol
Concen: 3.334 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.00 min
Lab File: BF102949.D
Acq: 13 Feb 2018 5:00

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	108.1	77.0	115.6	
141	53.5	29.9	44.9#	





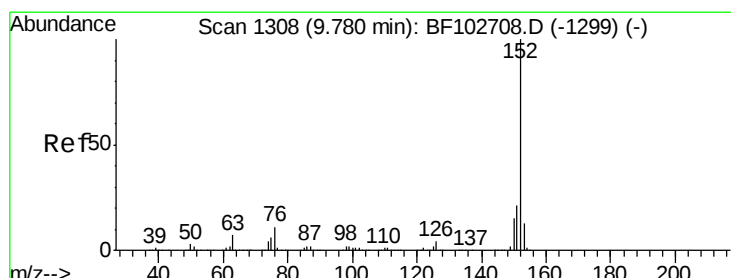
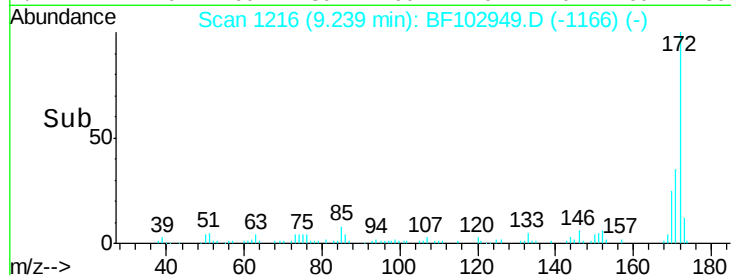
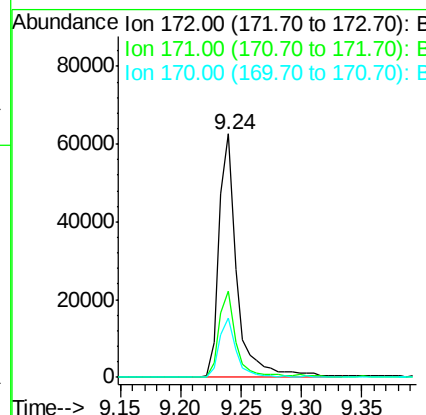
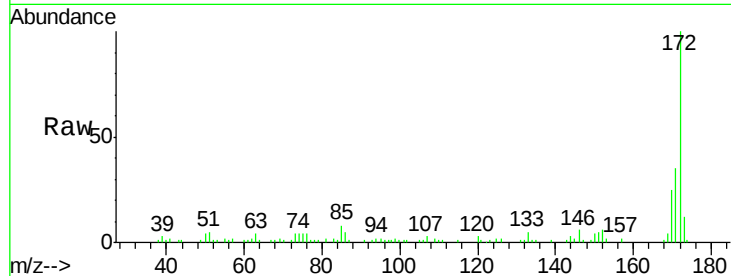
#44
2-Fluorobiphenyl
Concen: 4.050 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF102949.D
Acq: 13 Feb 2018 5:00

Instrument :
BNA_F
ClientSampleId :
A2_SB40_NW_8

Tot Ion	Ratio	Resp	Lower	Upper
172	100	63911		
171	35.3		29.7	44.5
170	24.5		19.6	29.4

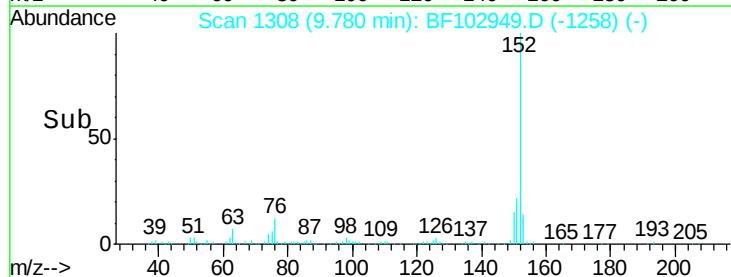
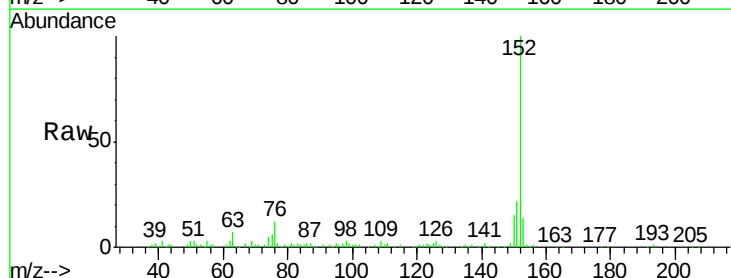
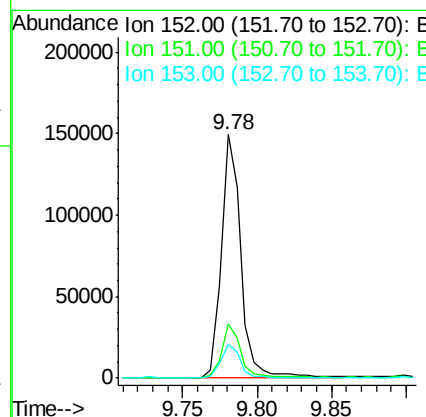
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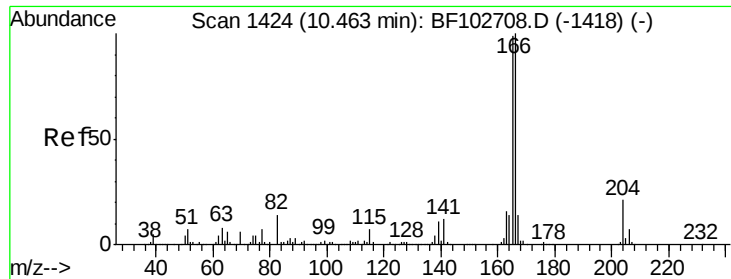
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#48
Acenaphthylene
Concen: 5.137 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF102949.D
Acq: 13 Feb 2018 5:00

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	138541		
151	22.1		16.3	24.5
153	13.6		10.7	16.1





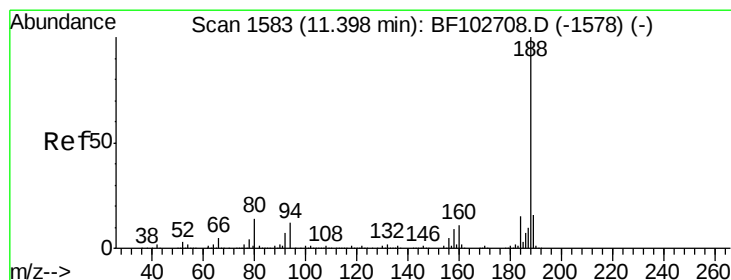
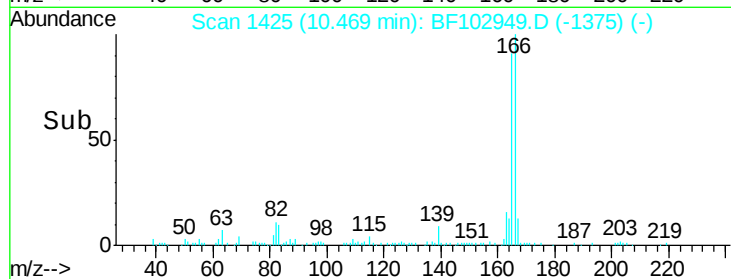
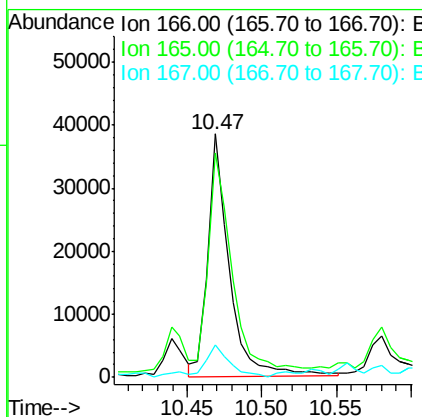
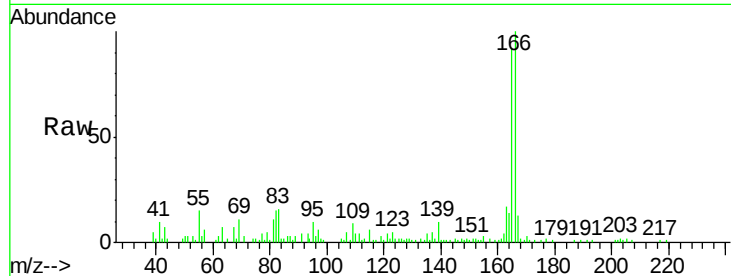
#57
Fluorene
 Concen: 2.320 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: BF102949.D
 Acq: 13 Feb 2018 5:00

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB40_NW_8

Tot Ion	Ratio	Lower	Upper
166	100		
165	92.2	79.8	119.8
167	13.1	10.6	16.0

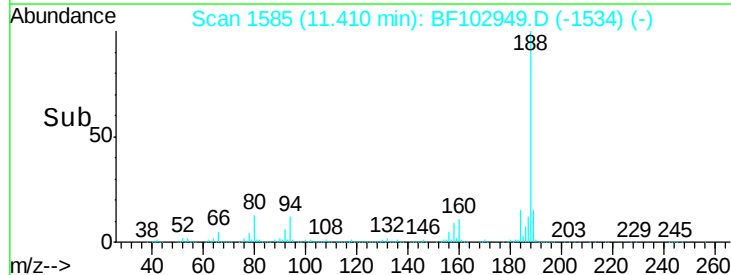
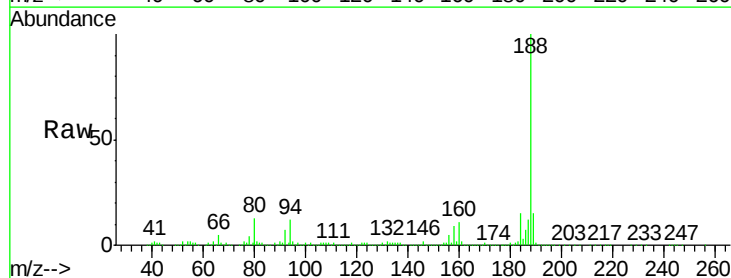
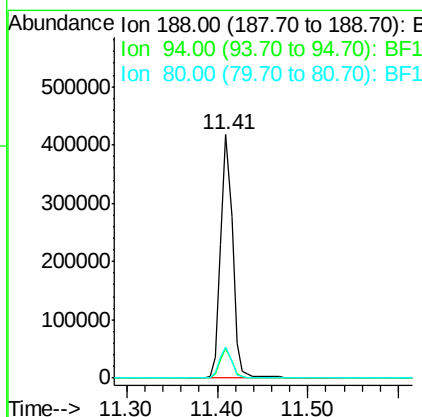
Manual Integrations
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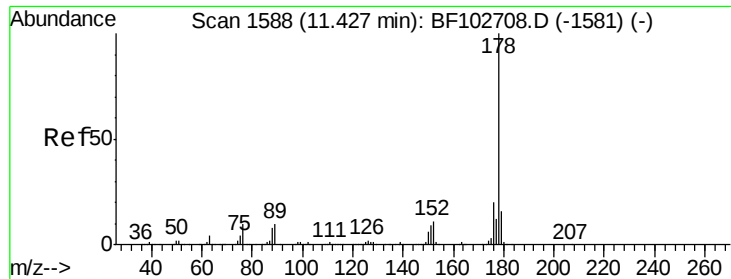
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: BF102949.D
 Acq: 13 Feb 2018 5:00

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.3	8.5	12.7
80	12.9	9.2	13.8





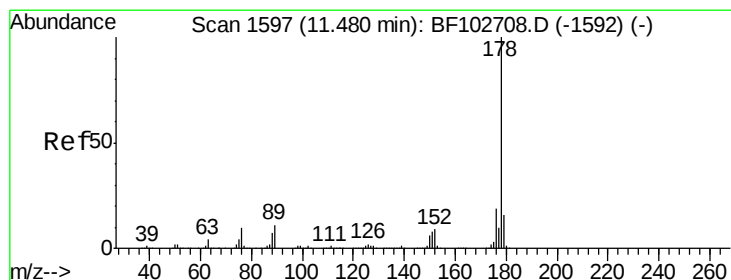
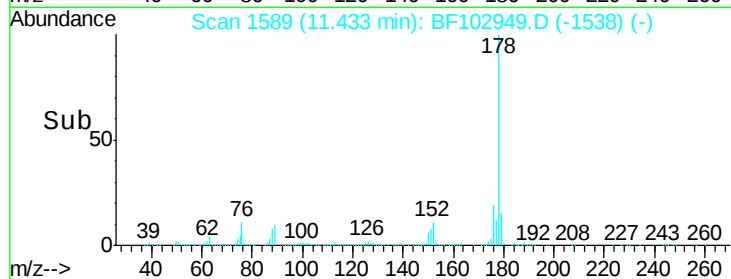
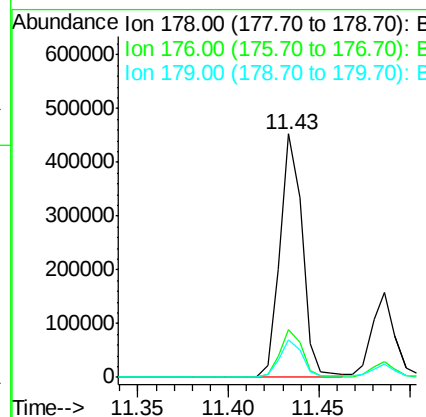
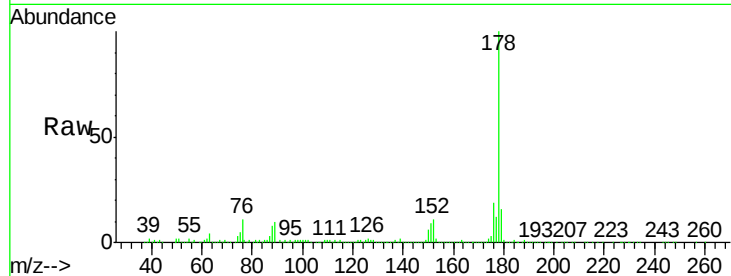
#70
Phenanthrene
Concen: 18.400 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.00 min
Lab File: BF102949.D
Acq: 13 Feb 2018 5:00

Instrument :
BNA_F
ClientSampleId :
A2_SB40_NW_8

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

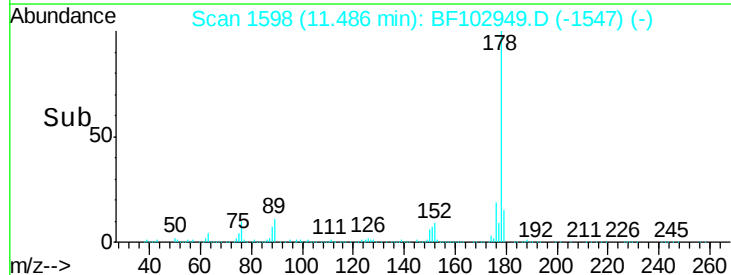
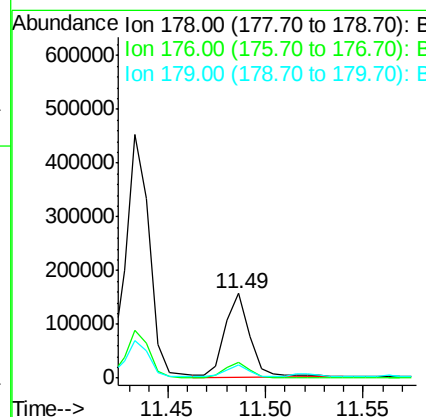
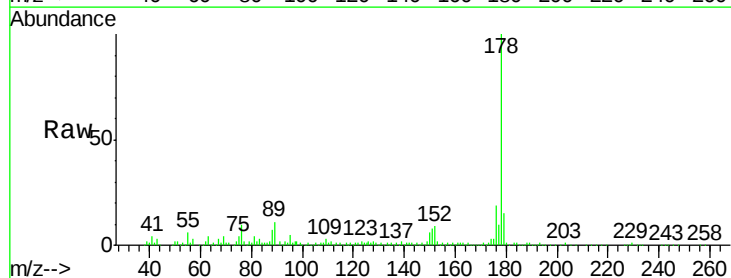
Manual Integrations
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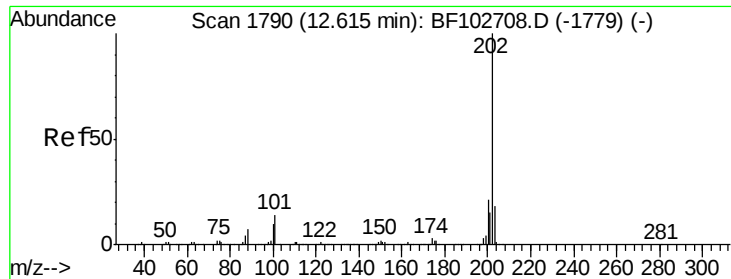
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#71
Anthracene
Concen: 6.490 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.00 min
Lab File: BF102949.D
Acq: 13 Feb 2018 5:00

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.4	12.6	19.0





#74

Fluoranthene

Concen: 28.598 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.01 min

Lab File: BF102949.D

Acq: 13 Feb 2018 5:00

Instrument :

BNA_F

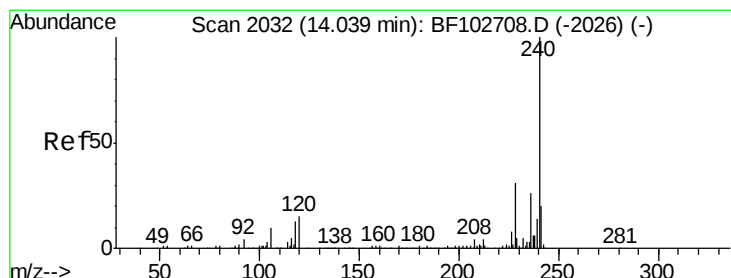
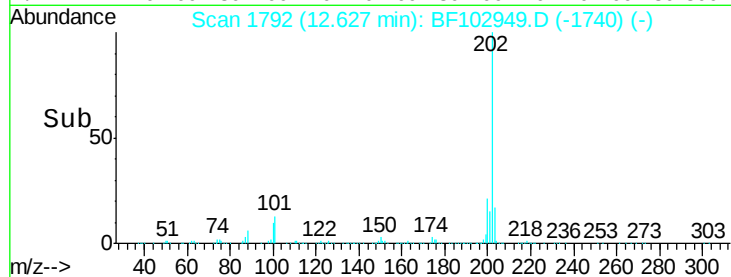
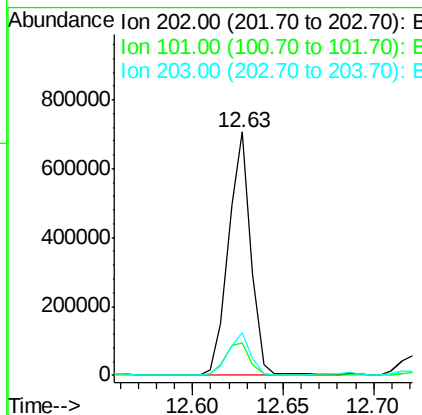
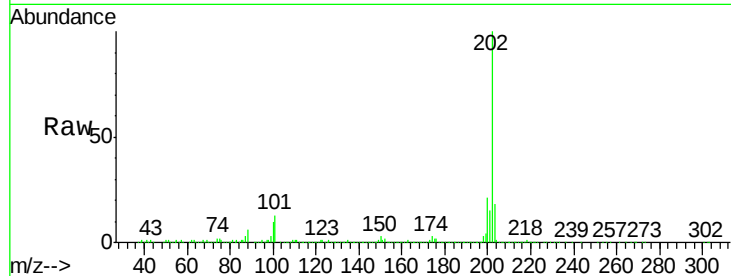
ClientSampleId :

A2_SB40_NW_8

Tot Ion:	202	Resp:	604706
Ion Ratio	Lower	Upper	
202	100		
101	13.4	0.0	34.1
203	17.5	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

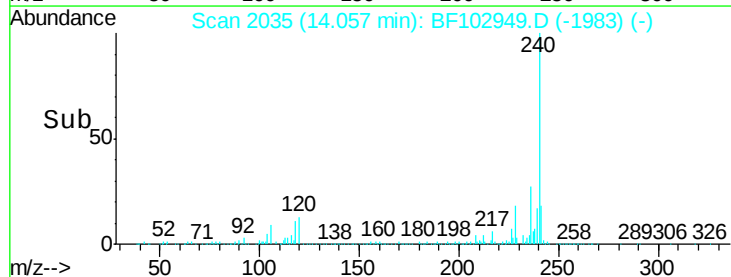
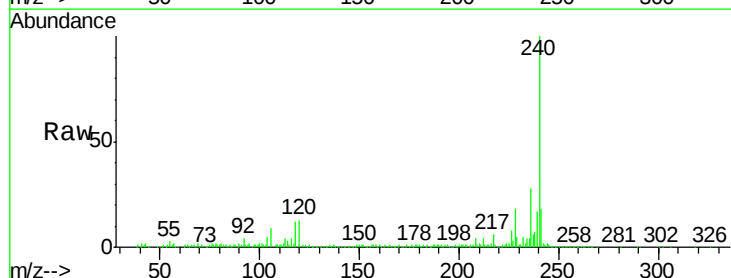
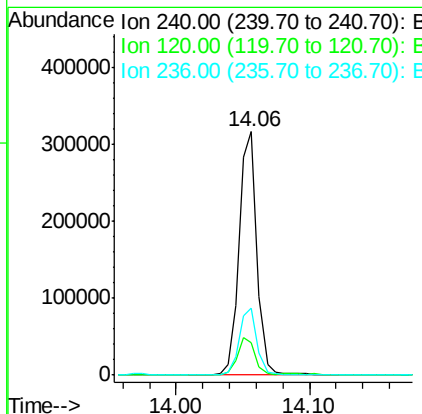
RT: 14.06 min Scan# 2035

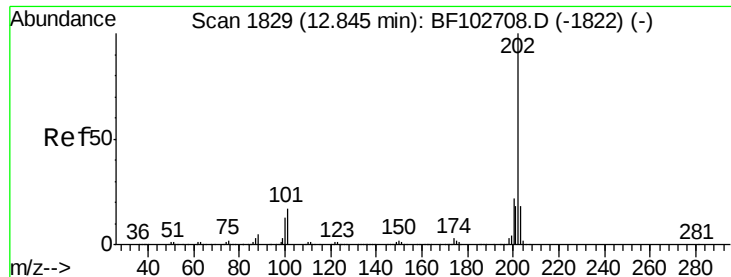
Delta R.T. 0.01 min

Lab File: BF102949.D

Acq: 13 Feb 2018 5:00

Tgt Ion:	240	Resp:	293593
Ion Ratio	Lower	Upper	
240	100		
120	13.3	9.5	14.3
236	27.7	20.7	31.1





#77

Pvrene

Concen: 22.416 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.01 min

Lab File: BF102949.D

Acq: 13 Feb 2018 5:00

Instrument :

BNA_F

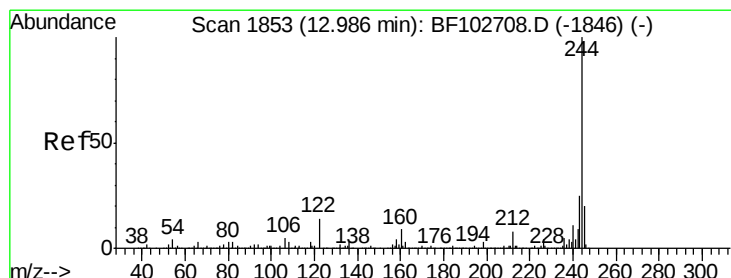
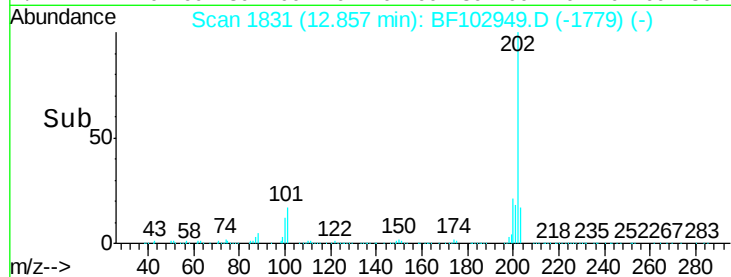
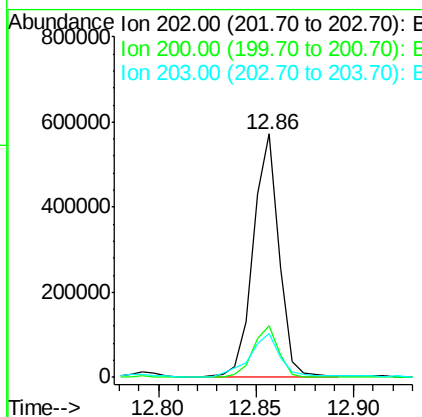
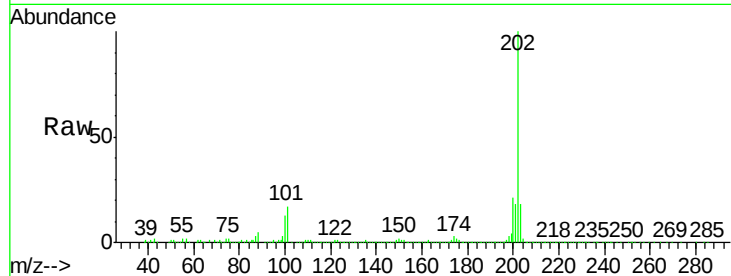
ClientSampleId :

A2_SB40_NW_8

Tot Ion:	202	Resp:	516070
Ion Ratio		Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.9	14.3	21.5

Manual Integrations
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#78

Terphenyl-d14

Concen: 3.463 ng

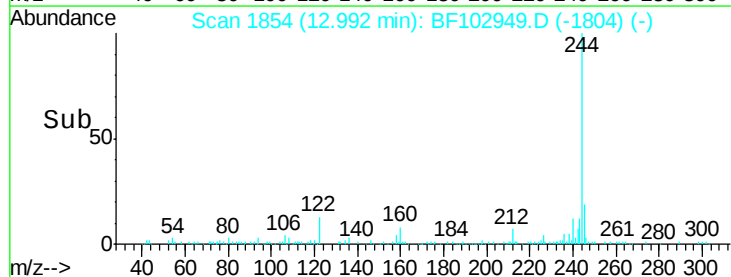
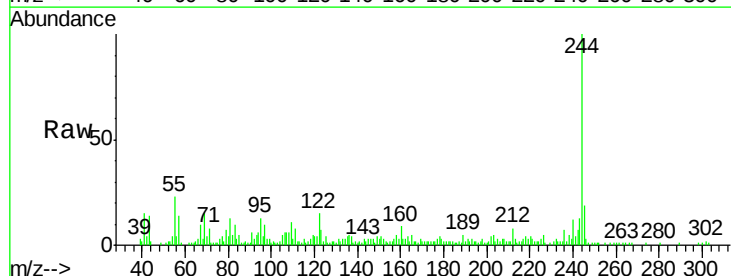
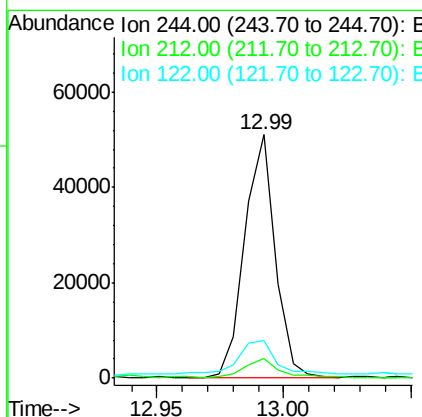
RT: 12.99 min Scan# 1854

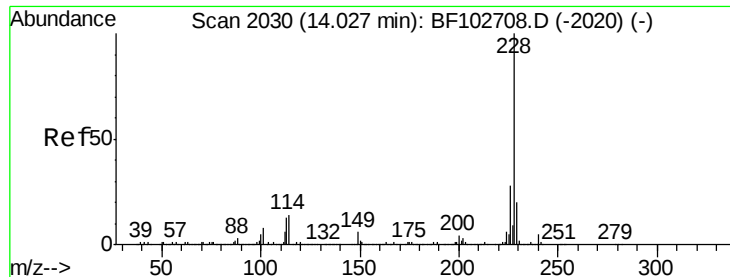
Delta R.T. -0.01 min

Lab File: BF102949.D

Acq: 13 Feb 2018 5:00

Tgt Ion:	244	Resp:	42942
Ion Ratio		Lower	Upper
244	100		
212	8.0	5.4	8.0
122	15.2	11.0	16.4





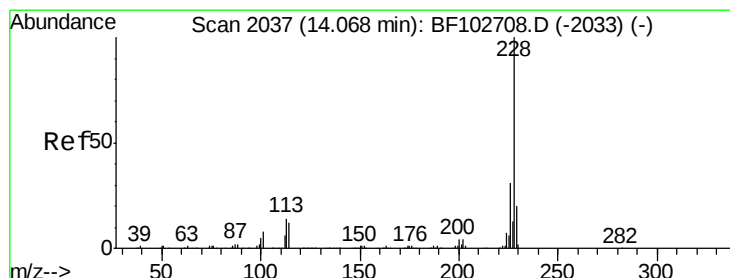
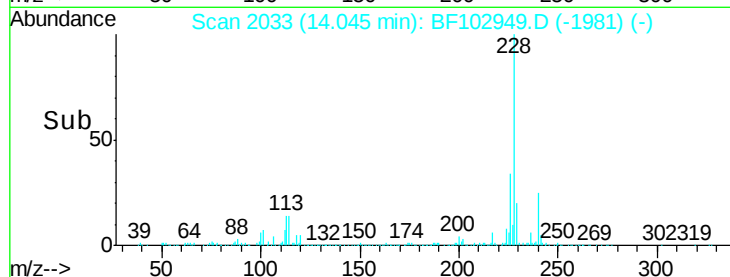
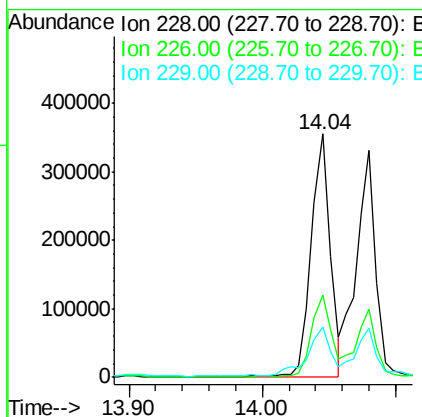
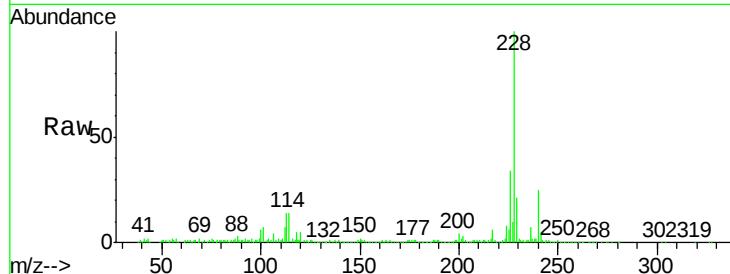
#80
Benzo(a)anthracene
Concen: 18.643 ng
RT: 14.04 min Scan# 2033
Delta R.T. 0.01 min
Lab File: BF102949.D
Acq: 13 Feb 2018 5:00

Instrument :
BNA_F
ClientSampleId :
A2_SB40_NW_8

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.8	22.6	33.8
229	20.6	15.8	23.6

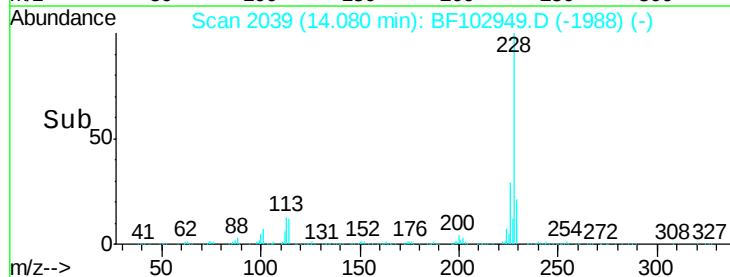
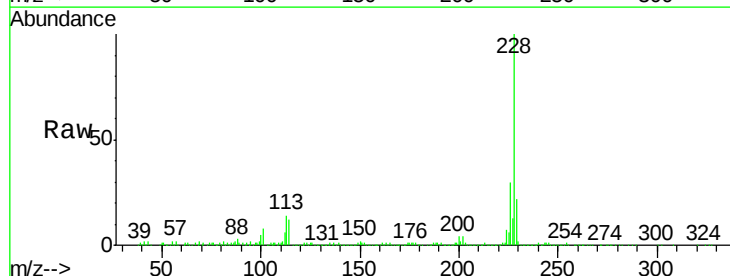
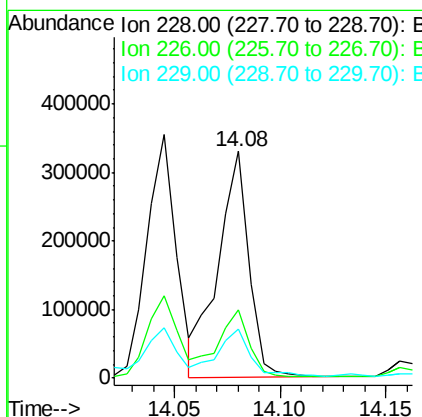
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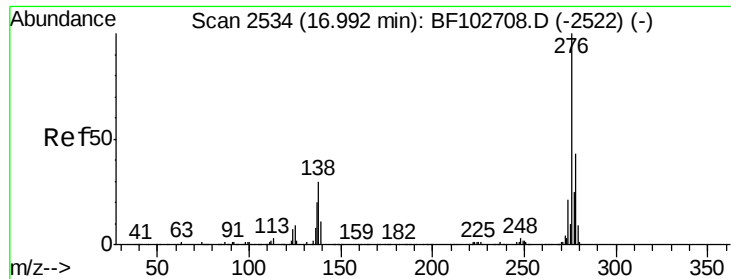
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#82
Chrysene
Concen: 17.935 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.00 min
Lab File: BF102949.D
Acq: 13 Feb 2018 5:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	21.7	16.2	24.4





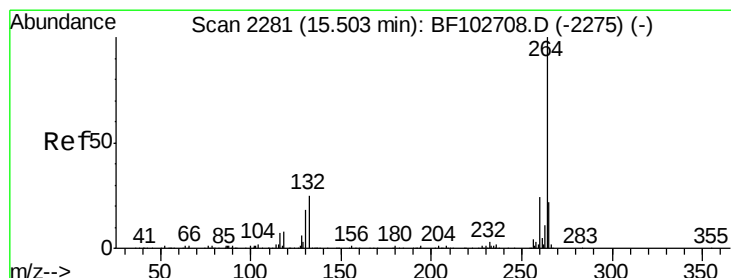
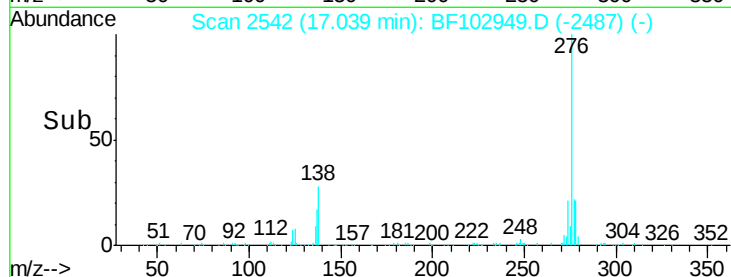
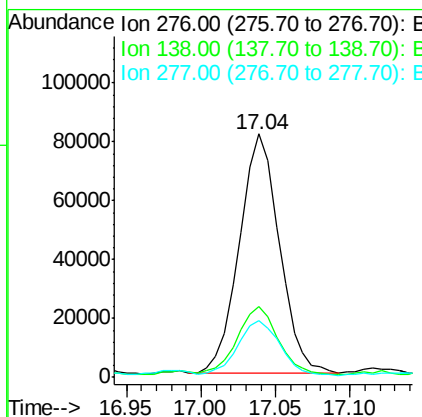
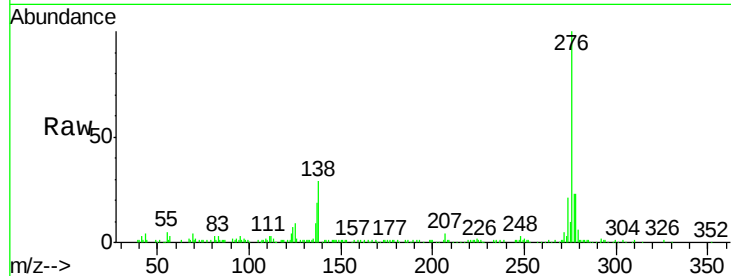
#85
Indeno(1,2,3-cd)pyrene
Concen: 9.816 ng
RT: 17.04 min Scan# 2542
Delta R.T. 0.02 min
Lab File: BF102949.D
Acq: 13 Feb 2018 5:00

Instrument :
BNA_F
ClientSampleId :
A2_SB40_NW_8

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.3	25.0	37.6
277	24.3	20.1	30.1

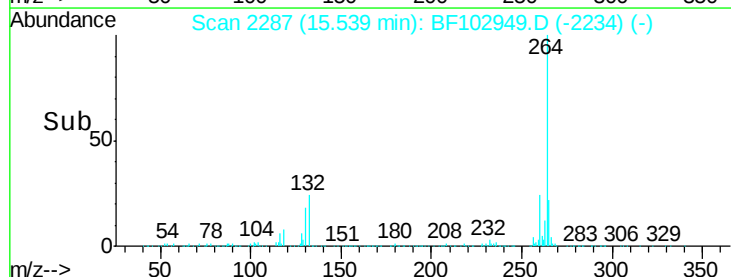
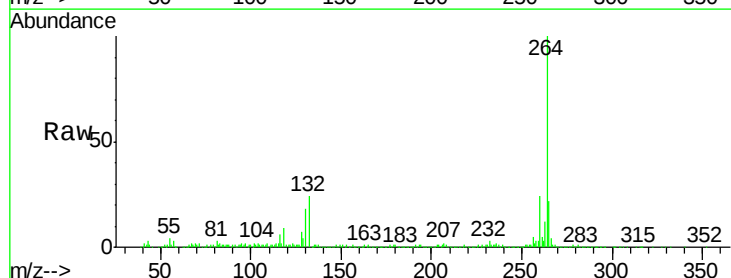
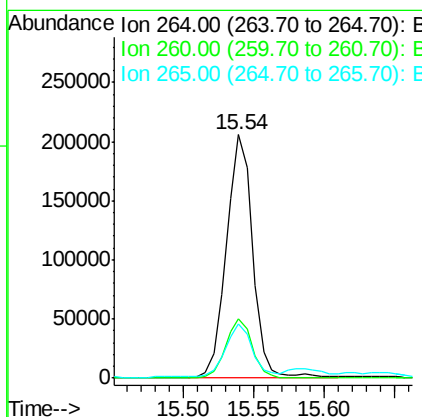
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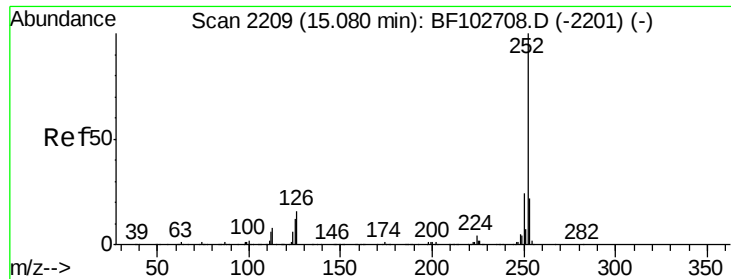
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. 0.01 min
Lab File: BF102949.D
Acq: 13 Feb 2018 5:00

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.4	17.5	26.3





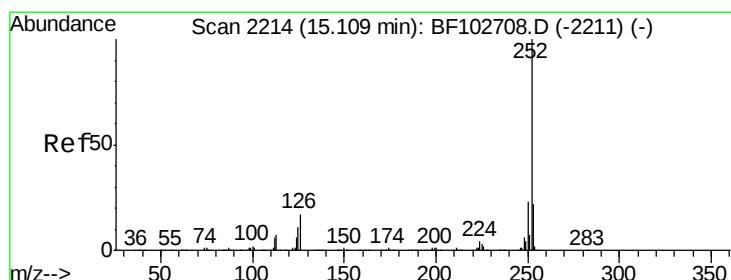
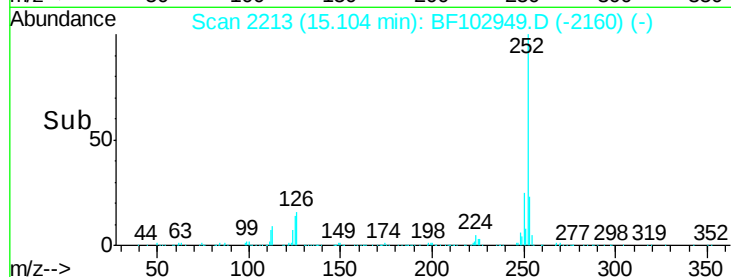
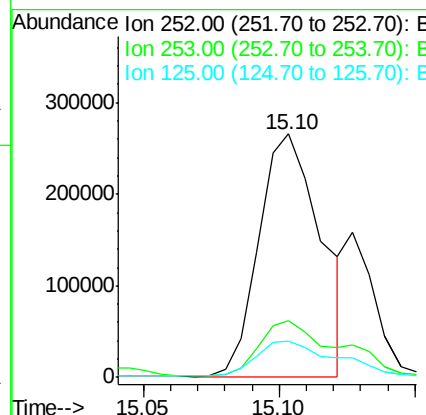
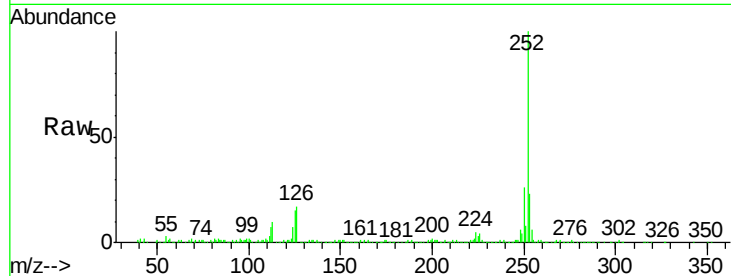
#87
Benzo(b)fluoranthene
Concen: 24.405 ng m
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF102949.D
Acq: 13 Feb 2018 5:00

Instrument :
BNA_F
ClientSampleId :
A2_SB40_NW_8

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	15.0	9.0	13.6

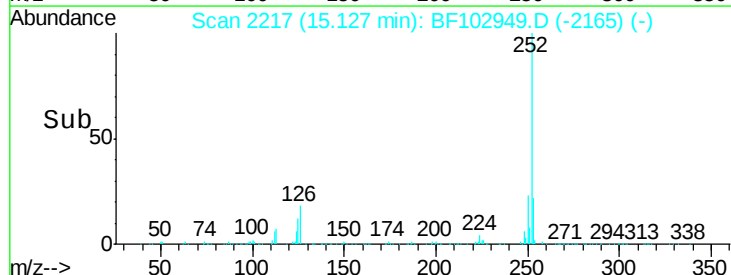
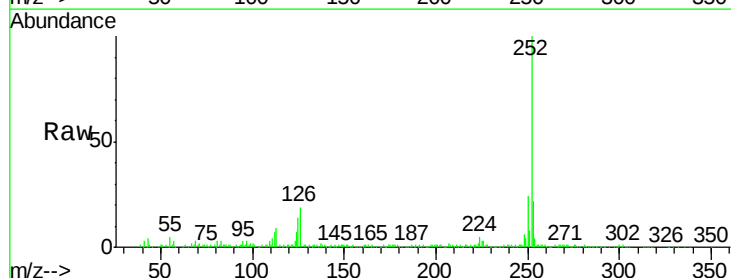
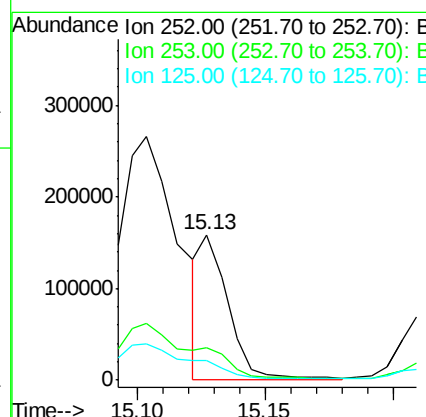
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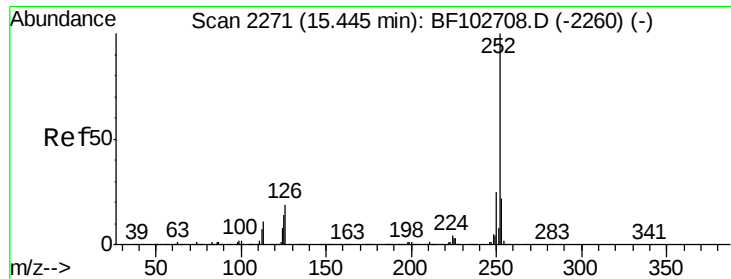
Sohil
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#88
Benzo(k)fluoranthene
Concen: 7.278 ng m
RT: 15.13 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF102949.D
Acq: 13 Feb 2018 5:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	13.6	10.2	15.2





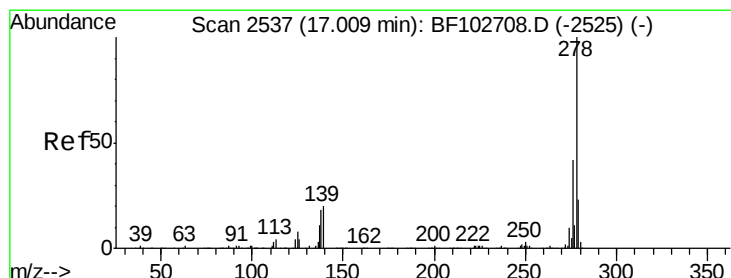
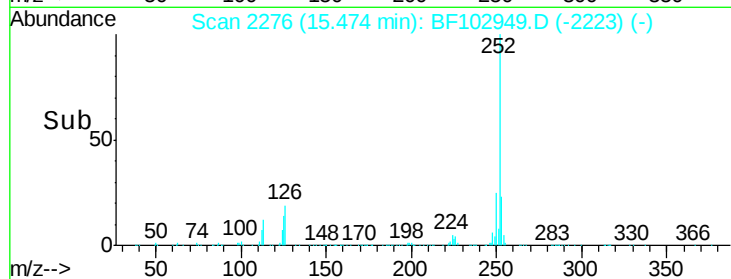
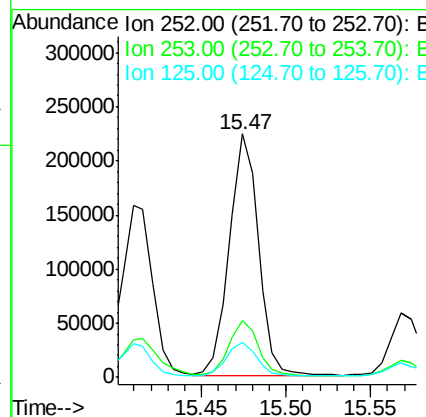
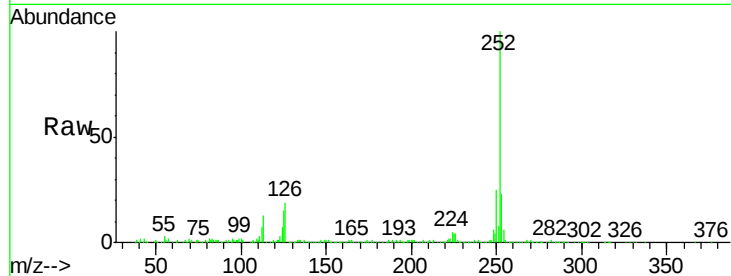
#89
Benzo(a)pyrene
Concen: 17.439 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF102949.D
Acq: 13 Feb 2018 5:00

Instrument :
BNA_F
ClientSampleId :
A2_SB40_NW_8

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	14.6	9.8	14.6

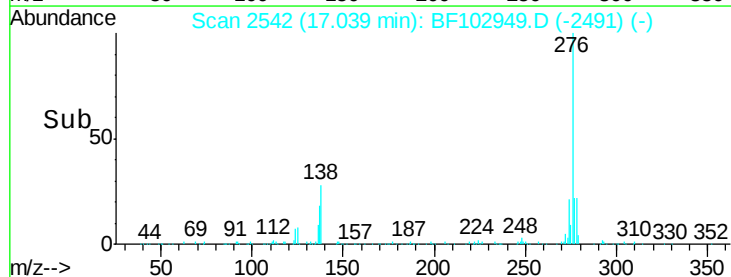
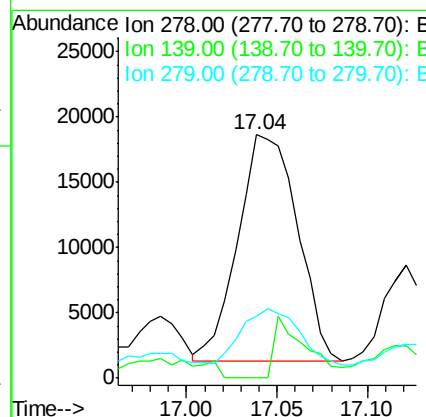
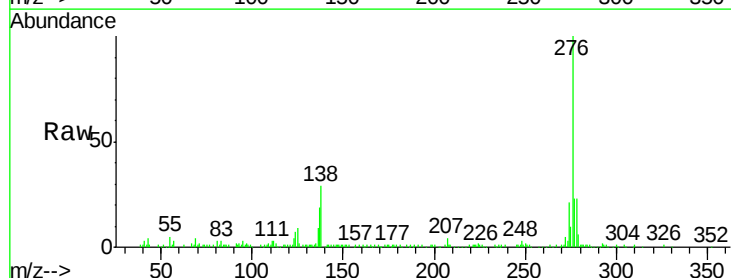
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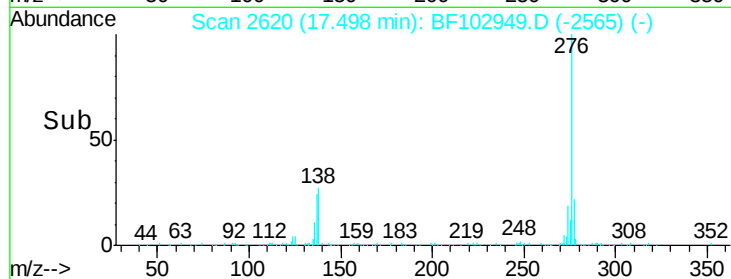
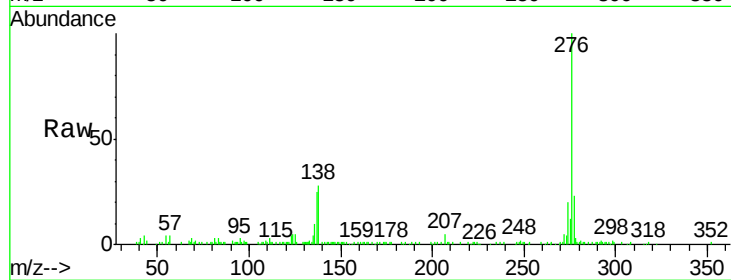
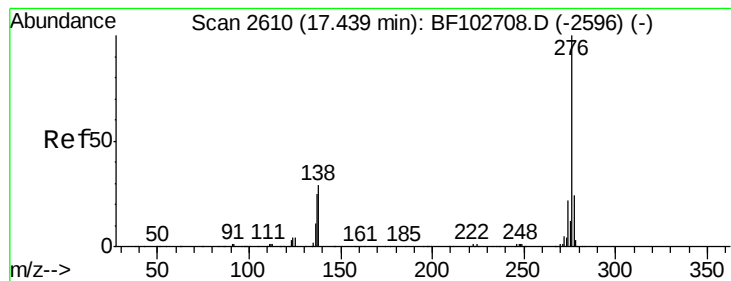
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 3.153 ng
RT: 17.04 min Scan# 2542
Delta R.T. -0.00 min
Lab File: BF102949.D
Acq: 13 Feb 2018 5:00

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	25.3	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 12.285 ng

RT: 17.50 min Scan# 2620

Delta R.T. 0.02 min

Lab File: BF102949.D

Acq: 13 Feb 2018 5:00

Tot Ion:	276	Resp:	150978
Ion Ratio		Lower	Upper
276	100		
277	23.4	17.9	26.9
138	27.9	21.8	32.8

Instrument :

BNA_F

ClientSampleId :

A2_SB40_NW_8

Manual Integrations
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2/13/2018 11:26:45 AM

