

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF032218\
 Data File : BF103844.D
 Acq On : 22 Mar 2018 11:28
 Operator : JU/SJ
 Sample : J1946-02DL 4X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-104(22-23)DL

Manual Integrations
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Quant Time: Mar 23 09:16:16 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 22 11:56:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	150017	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	619791	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	291466	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	529544	20.00	ng	0.00
75) Chrysene-d12	14.16	240	343216	20.00	ng	0.00
86) Perylene-d12	15.70	264	331853	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	290406	29.44	ng	-0.01
7) Phenol-d6	6.58	99	353785	29.32	ng	-0.02
23) Nitrobenzene-d5	7.53	82	210012	23.63	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	87777	35.03	ng	-0.01
44) 2-Fluorobiphenyl	9.32	172	365575	20.01	ng	-0.01
78) Terphenyl-d14	13.09	244	333492	22.55	ng	0.00
Target Compounds						
31) Naphthalene	8.27	128	151505	4.839	ng	99
48) Acenaphthylene	9.87	152	137852	4.605	ng	97
54) Dibenzofuran	10.22	168	51912	2.045	ng	99
57) Fluorene	10.56	166	71782	3.644	ng	96
70) Phenanthrene	11.53	178	901349	31.116	ng	99
71) Anthracene	11.58	178	351573	11.950	ng	99
72) Carbazole	11.73	167	72262	2.527	ng	98
74) Fluoranthene	12.73	202	1613018	54.050	ng	99
77) Pyrene	12.96	202	1394018	55.306	ng	99
80) Benzo(a)anthracene	14.15	228	694525m	31.968	ng	
82) Chrysene	14.19	228	649783m	31.376	ng	
85) Indeno(1,2,3-cd)pyrene	17.28	276	439601m	24.306	ng	
87) Benzo(b)fluoranthene	15.24	252	743447m	35.460	ng	
88) Benzo(k)fluoranthene	15.27	252	244371m	12.125	ng	
89) Benzo(a)pyrene	15.63	252	536983	28.238	ng	95
90) Dibenzo(a,h)anthracene	17.29	278	97031	5.893	ng	96
91) Benzo(g,h,i)perylene	17.76	276	447092	27.910	ng	96

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

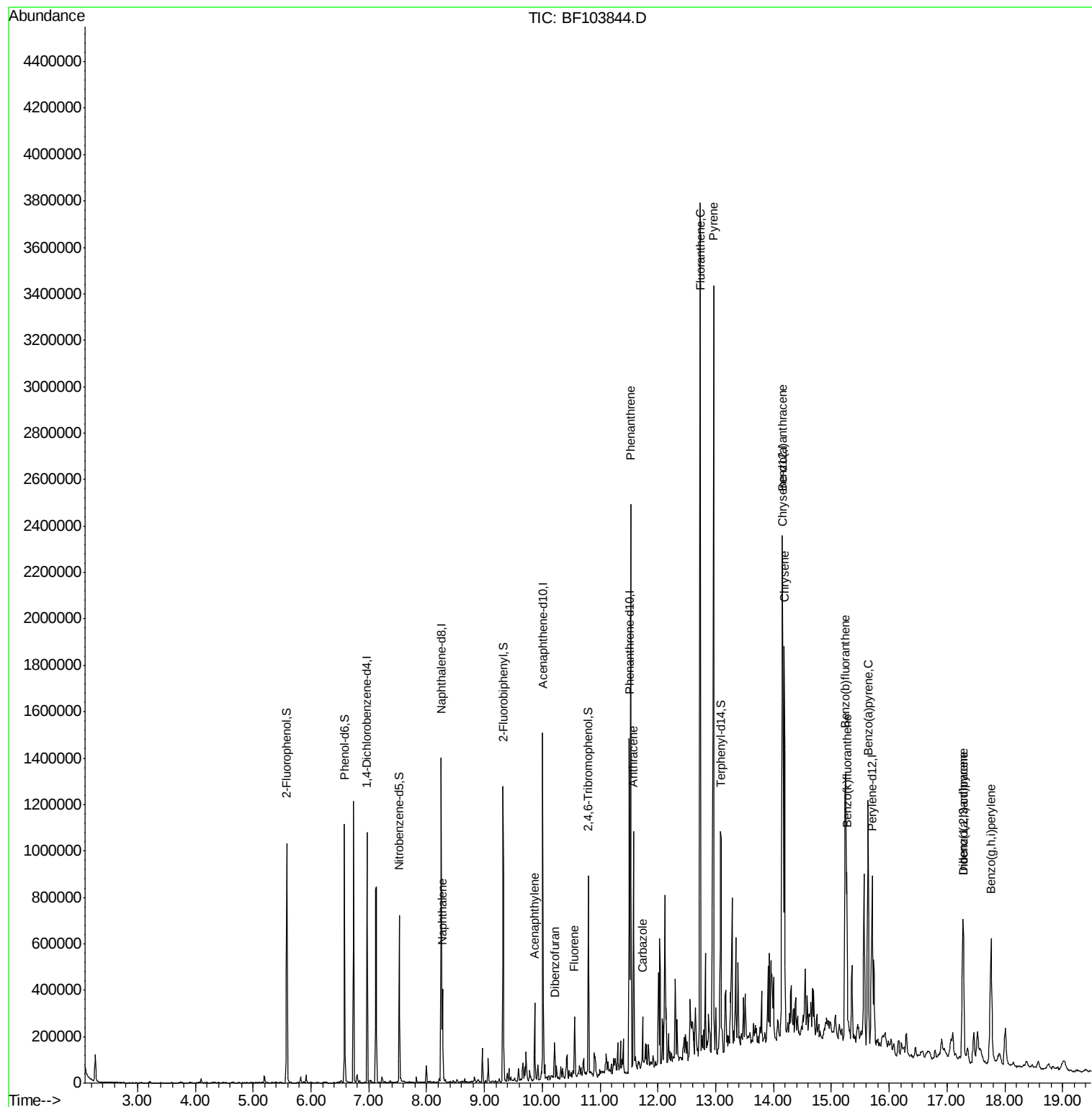
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF032218\
Data File : BF103844.D
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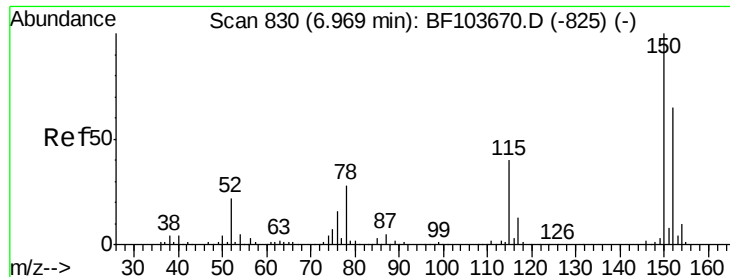
Instrument :
BNA_F
ClientSampleId :
SB-104(22-23)DL

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Quant Time: Mar 23 09:16:16 2018
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
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#1

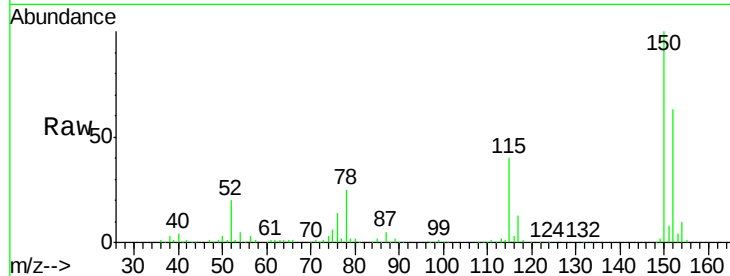
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF103844.D
Acq: 22 Mar 2018 11:28

Instrument :
BNA_F
ClientSampleId :
SB-104(22-23)DL

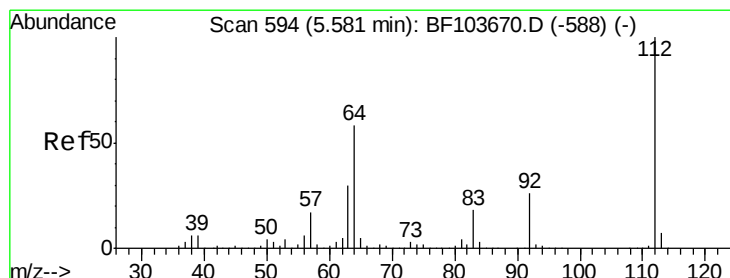
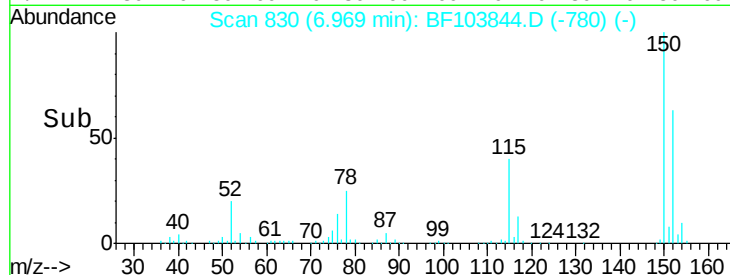
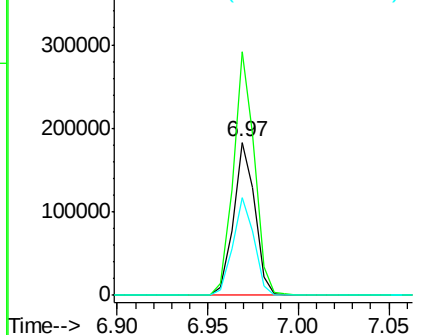
Tgt Ion	Ratio	Lower	Upper
152	100		
150	159.1	124.6	186.8
115	64.0	50.1	75.1

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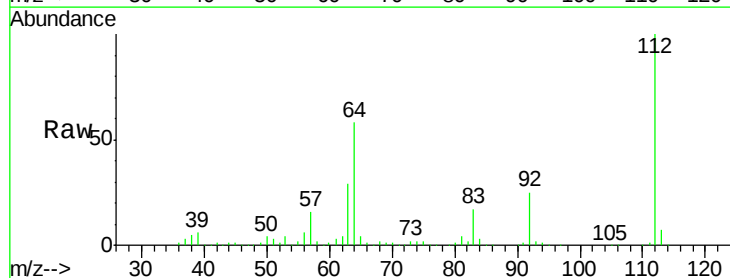
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



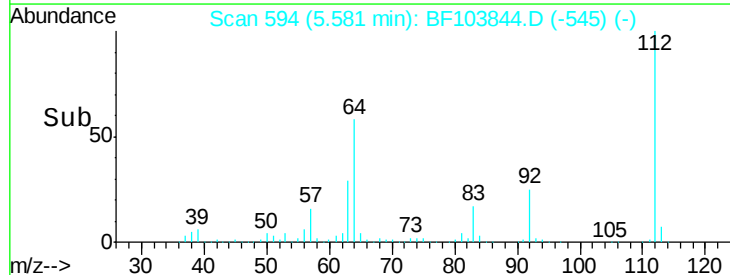
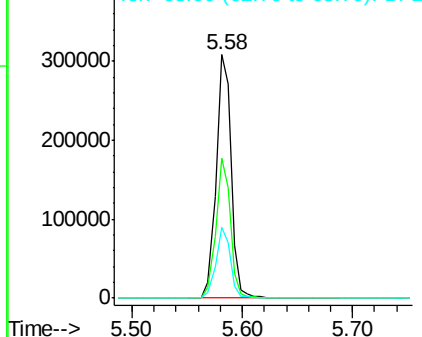
#5

2-Fluorophenol
Concen: 29.444 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.01 min
Lab File: BF103844.D
Acq: 22 Mar 2018 11:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	47.9	71.9
63	28.9	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 29.319 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.02 min

Lab File: BF103844.D

Acq: 22 Mar 2018 11:28

Instrument :

BNA_F

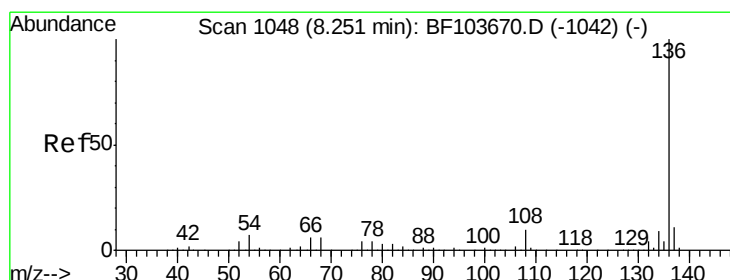
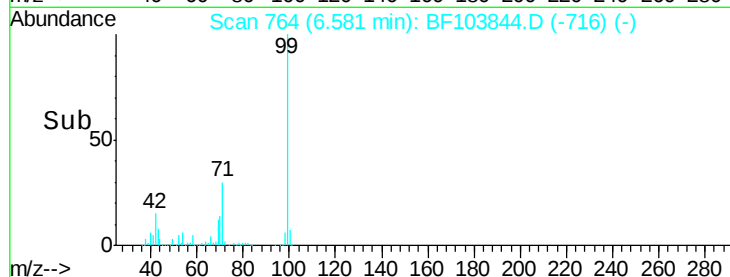
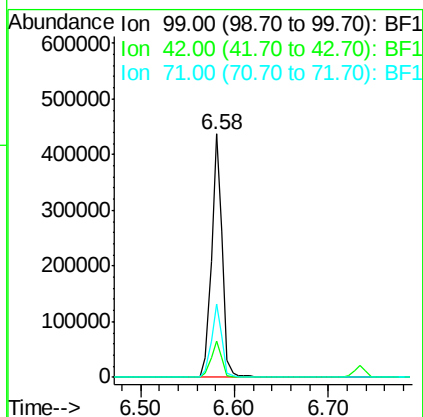
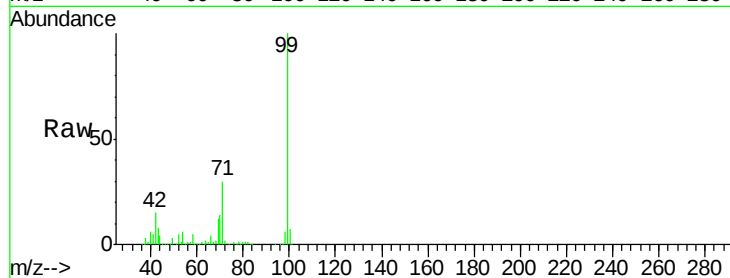
ClientSampleId :

SB-104(22-23)DL

Tgt Ion	Ratio	Lower	Upper
99	100		
42	14.9	14.5	21.7
71	30.4	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

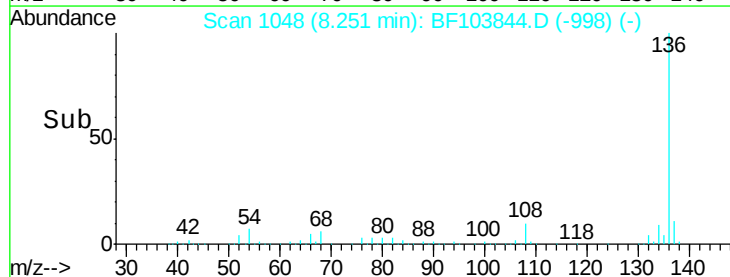
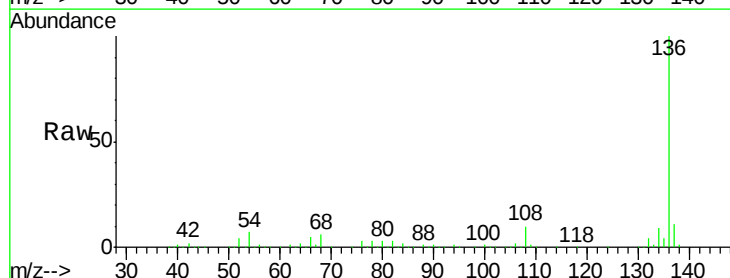
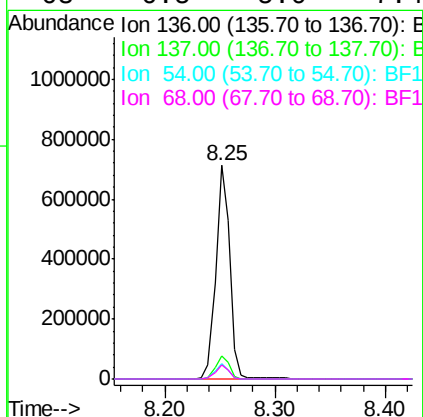
RT: 8.25 min Scan# 1048

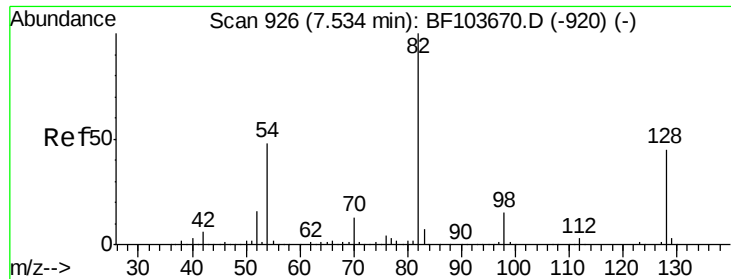
Delta R.T. -0.01 min

Lab File: BF103844.D

Acq: 22 Mar 2018 11:28

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.4	6.6	9.8
68	6.5	5.0	7.4





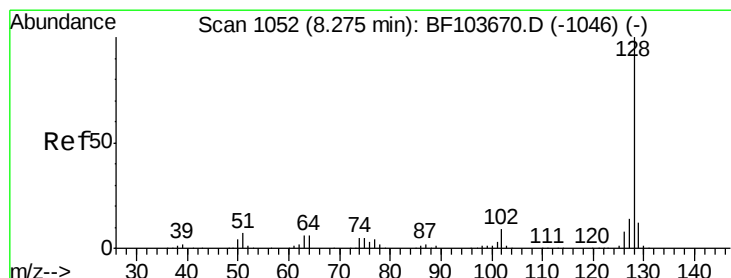
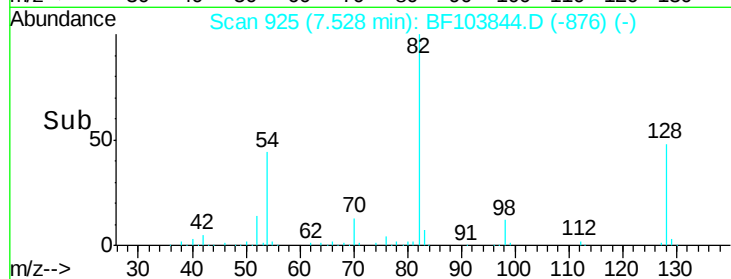
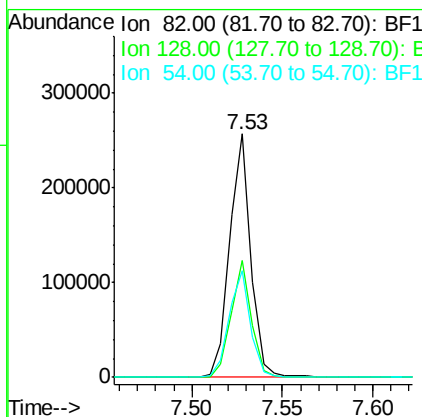
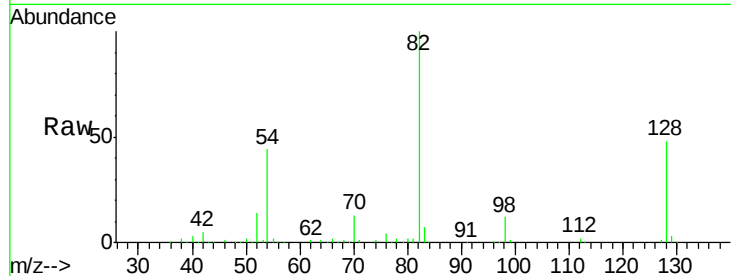
#23
 Nitrobenzene-d5
 Concen: 23.630 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: BF103844.D
 Acq: 22 Mar 2018 11:28

Instrument :
 BNA_F
 ClientSampleId :
 SB-104(22-23)DL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	48.1	36.1	54.1
54	44.0	41.4	62.2

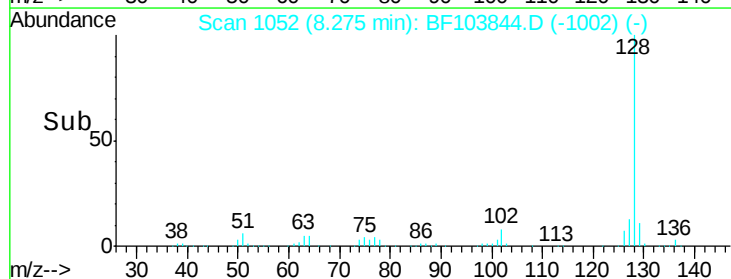
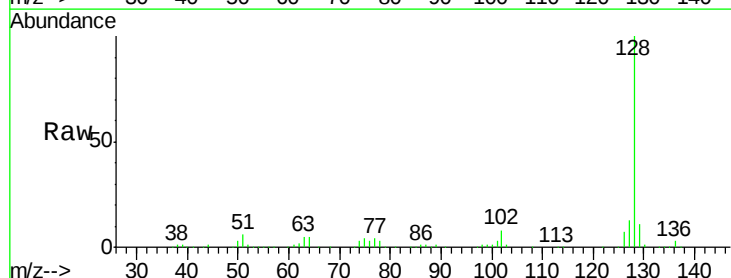
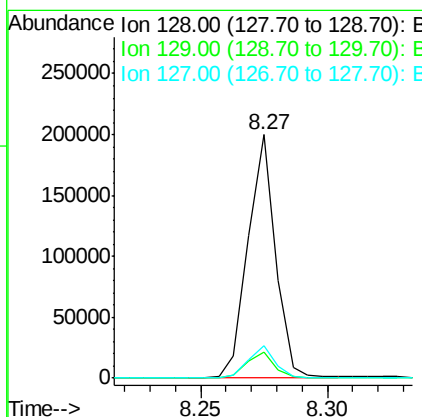
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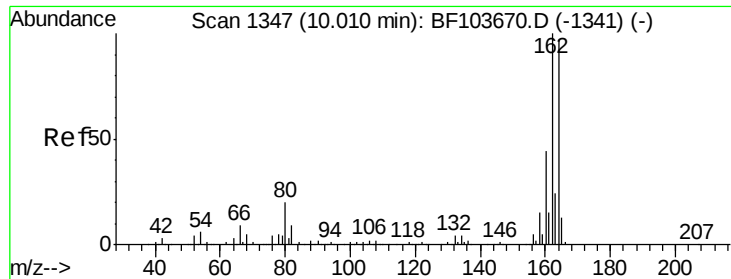
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#31
 Naphthalene
 Concen: 4.839 ng
 RT: 8.27 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: BF103844.D
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Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.8	13.2
127	13.2	10.9	16.3





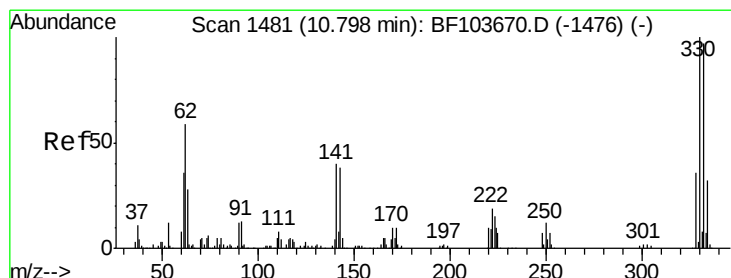
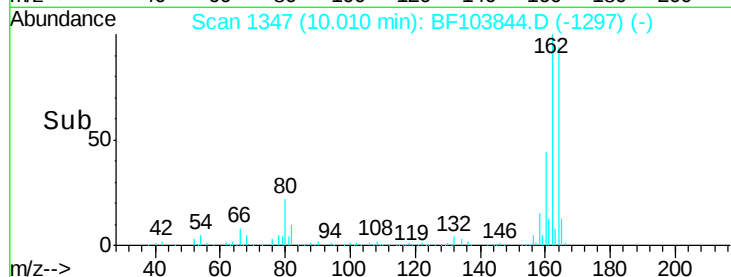
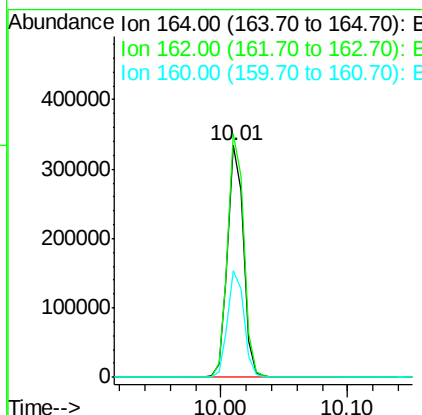
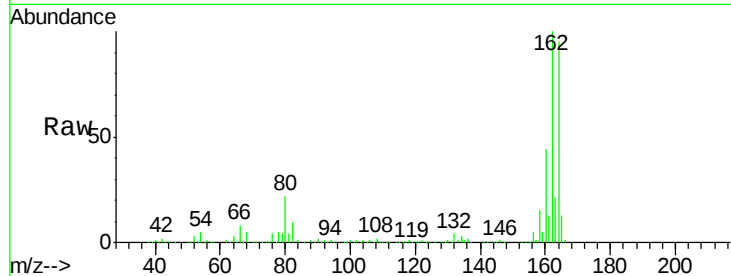
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BF103844.D
Acq: 22 Mar 2018 11:28

Instrument :
BNA_F
ClientSampleId :
SB-104(22-23)DL

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	291466		
162	104.9	86.1	129.1	
160	46.1	38.3	57.5	

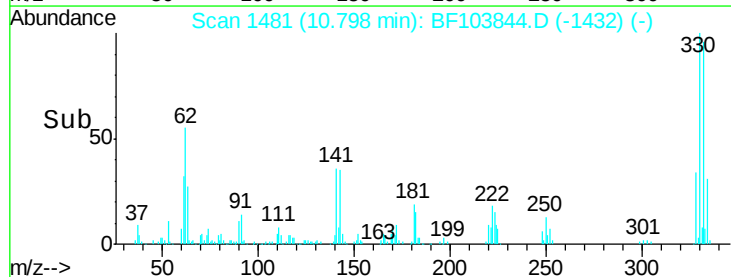
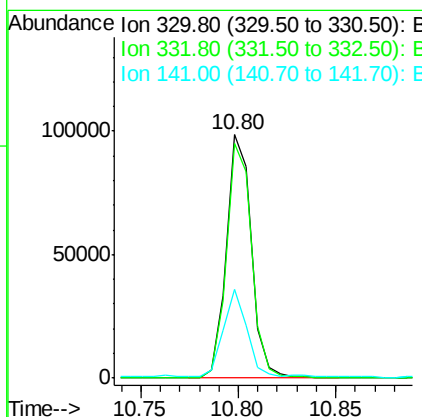
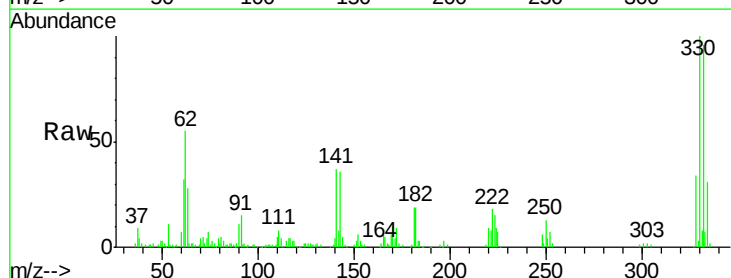
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#41
2,4,6-Tribromophenol
Concen: 35.026 ng
RT: 10.80 min Scan# 1481
Delta R.T. -0.01 min
Lab File: BF103844.D
Acq: 22 Mar 2018 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	87777		
332	96.8	77.0	115.6	
141	34.8	29.9	44.9	





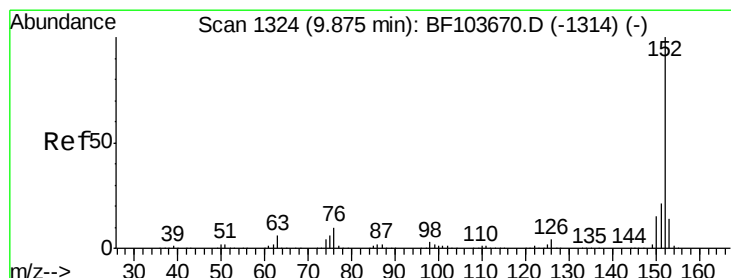
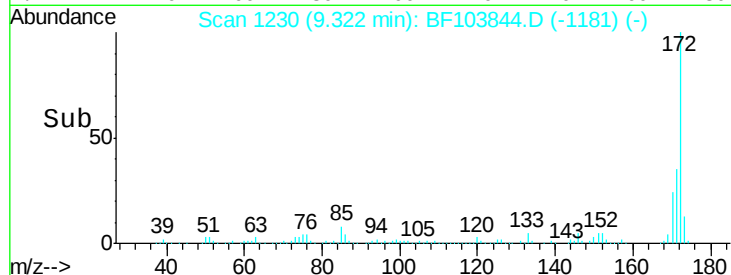
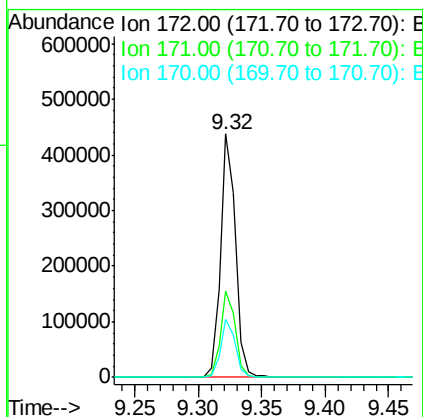
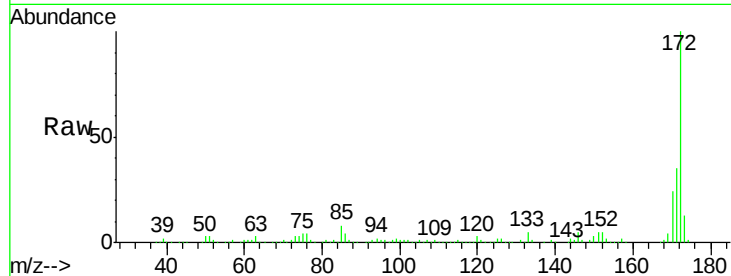
#44
2-Fluorobiphenyl
Concen: 20.007 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.01 min
Lab File: BF103844.D
Acq: 22 Mar 2018 11:28

Instrument :
BNA_F
ClientSampleId :
SB-104(22-23)DL

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	365575		
171	35.4	29.7	44.5	
170	24.1	19.6	29.4	

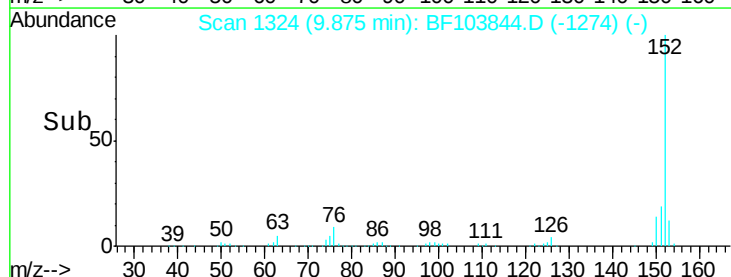
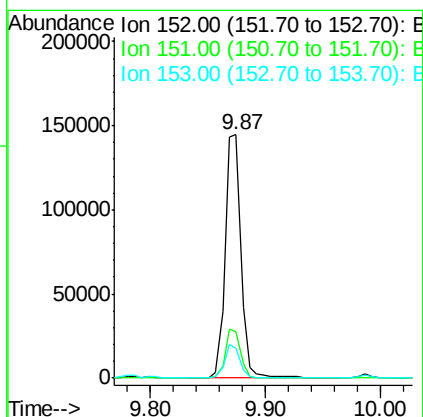
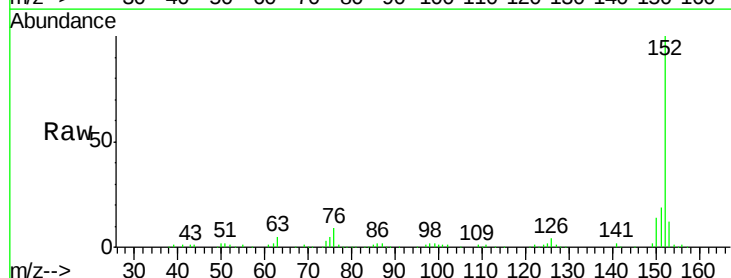
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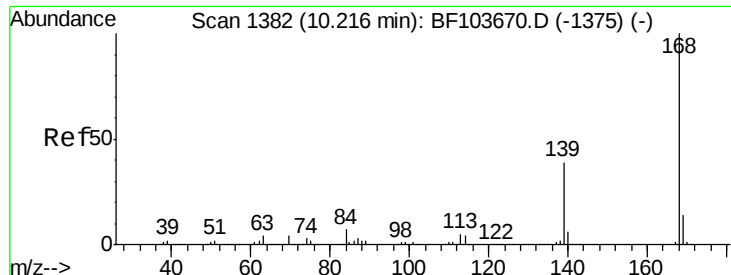
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#48
Acenaphthylene
Concen: 4.605 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF103844.D
Acq: 22 Mar 2018 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	137852		
151	19.1	16.3	24.5	
153	12.4	10.7	16.1	





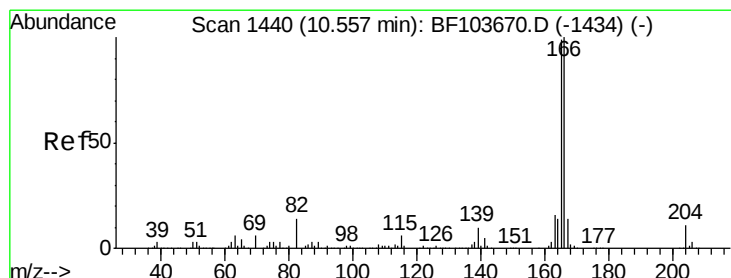
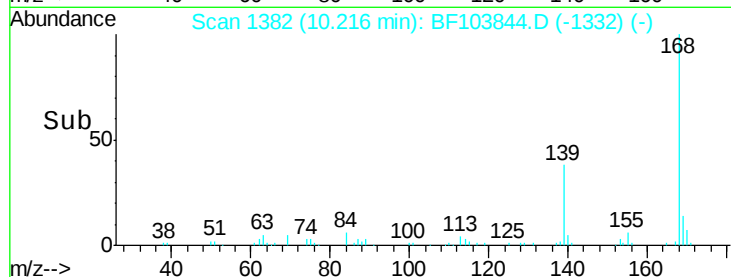
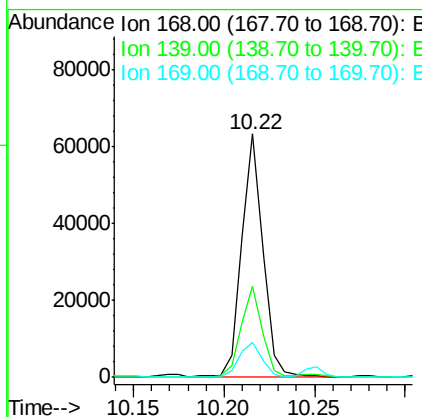
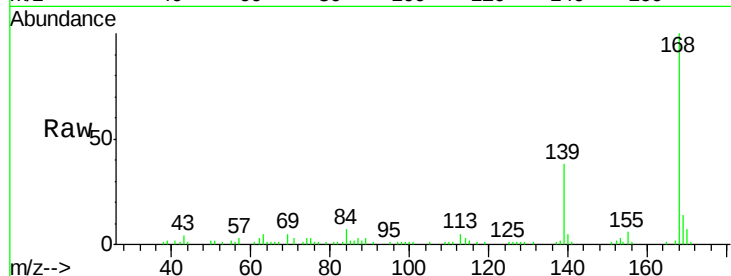
#54
Dibenzenofuran
Concen: 2.045 ng
RT: 10.22 min Scan# 1382
Delta R.T. -0.01 min
Lab File: BF103844.D
Acq: 22 Mar 2018 11:28

Instrument :
BNA_F
ClientSampleId :
SB-104(22-23)DL

Tgt Ion	Ratio	Lower	Upper
168	100		
139	37.6	30.1	45.1
169	14.4	10.9	16.3

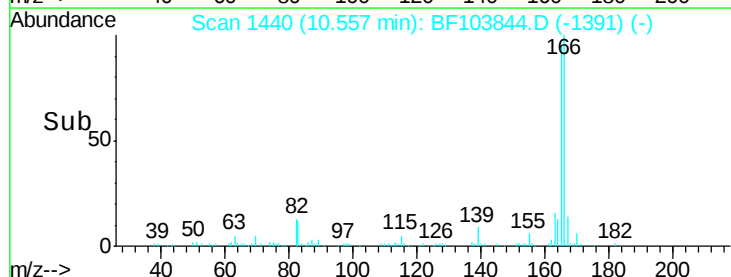
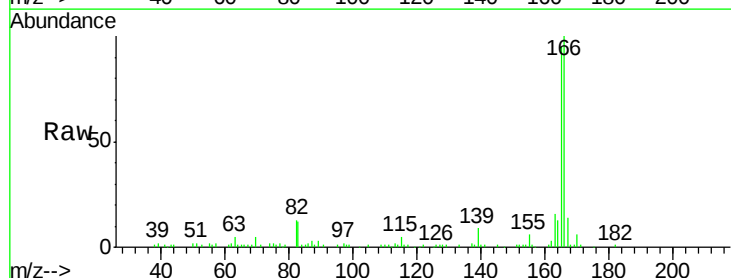
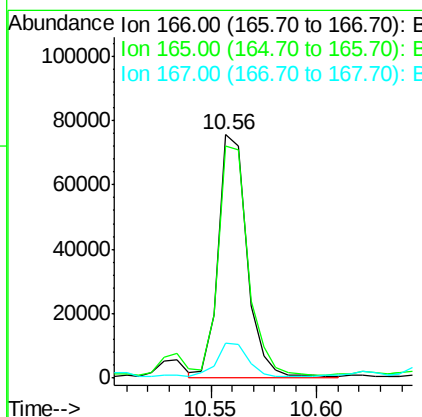
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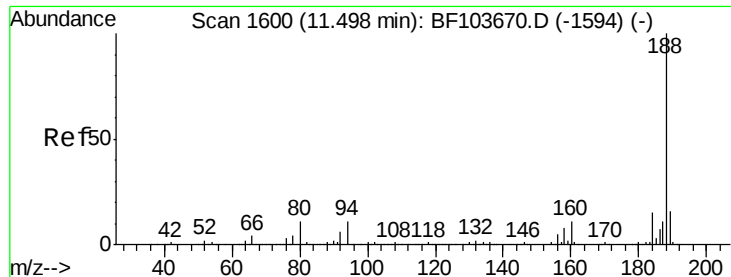
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#57
Fluorene
Concen: 3.644 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF103844.D
Acq: 22 Mar 2018 11:28

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.1	79.8	119.8
167	14.2	10.6	16.0





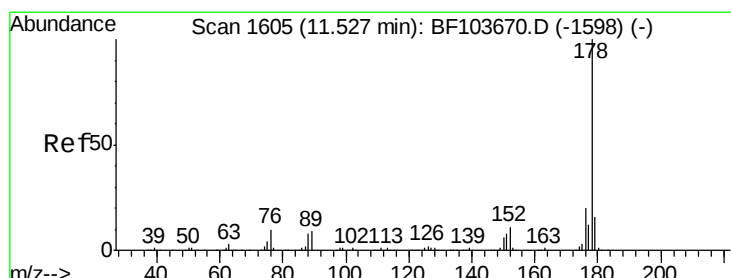
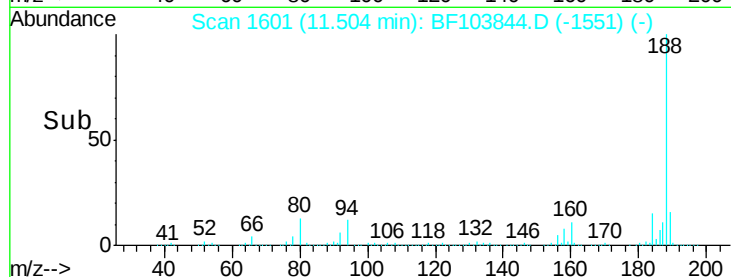
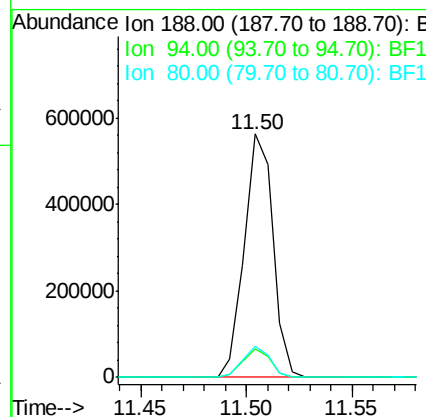
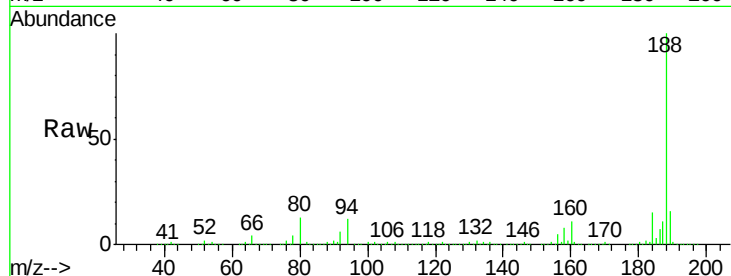
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF103844.D
Acq: 22 Mar 2018 11:28

Instrument :
BNA_F
ClientSampleId :
SB-104(22-23)DL

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	12.0	8.5	12.7
80	12.8	9.2	13.8

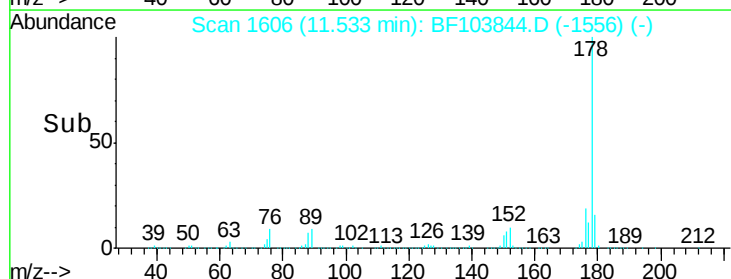
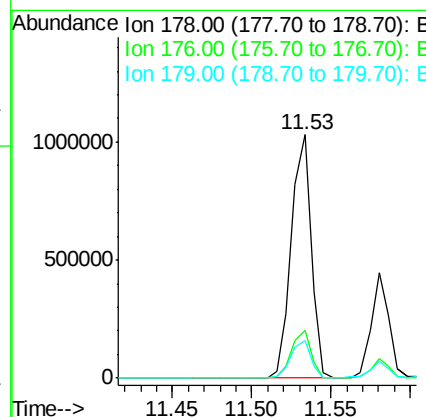
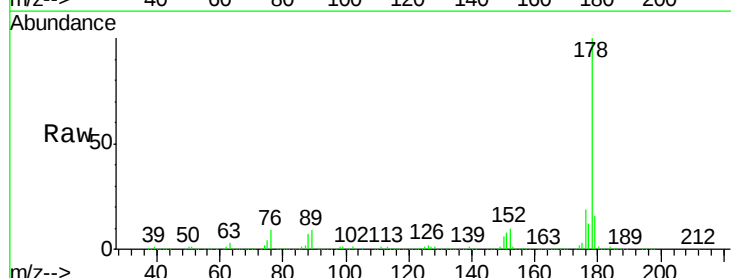
Manual Integrations
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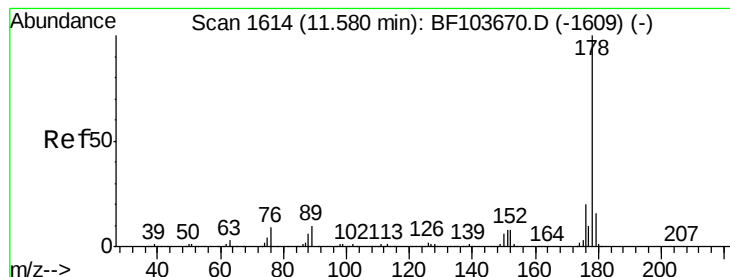
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#70
Phenanthrene
Concen: 31.116 ng
RT: 11.53 min Scan# 1606
Delta R.T. -0.01 min
Lab File: BF103844.D
Acq: 22 Mar 2018 11:28

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.6	13.0	19.6





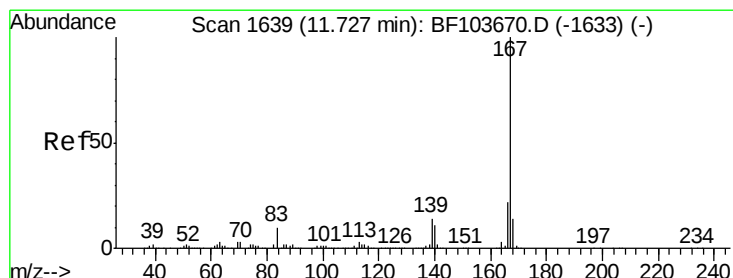
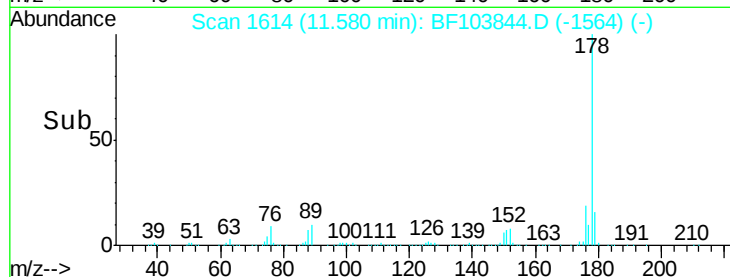
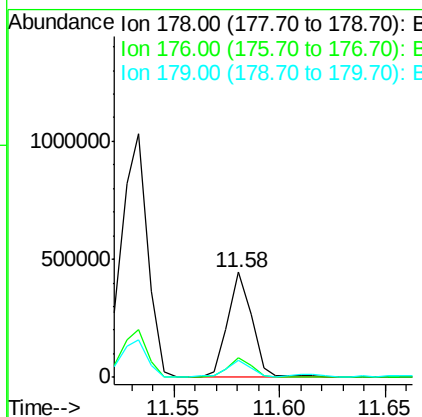
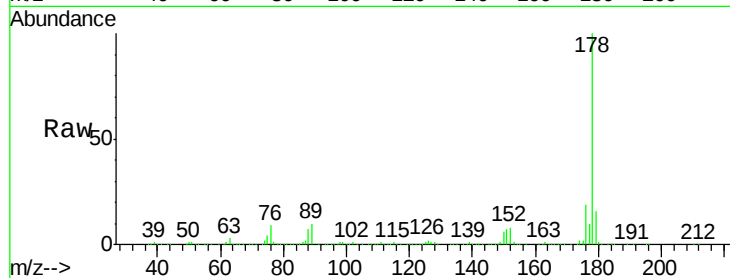
#71
 Anthracene
 Concen: 11.950 ng
 RT: 11.58 min Scan# 1614
 Delta R.T. -0.01 min
 Lab File: BF103844.D
 Acq: 22 Mar 2018 11:28

Instrument :
 BNA_F
 ClientSampleId :
 SB-104(22-23)DL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	16.0	12.6	19.0

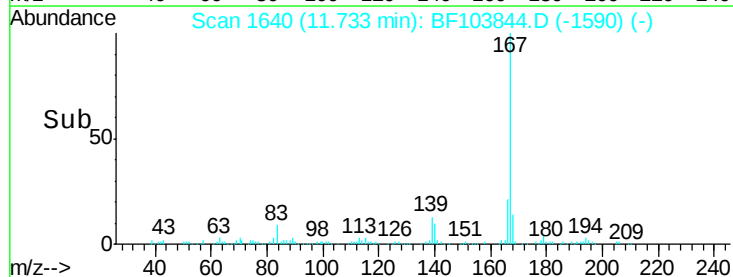
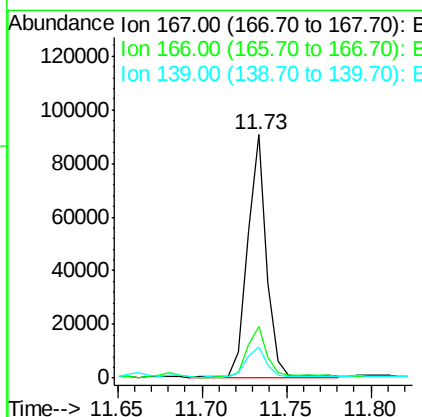
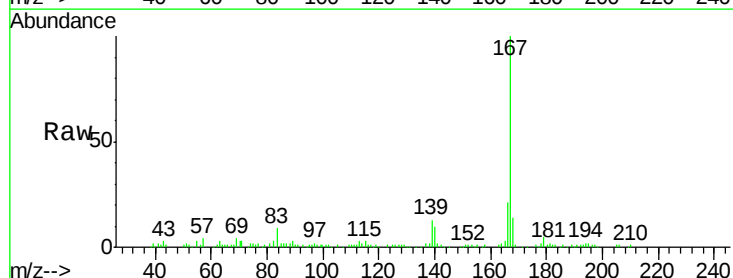
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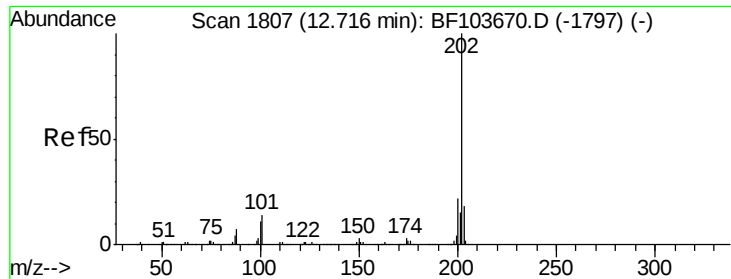
Sohil
 3/23/2018 2:46:22 PM



#72
 Carbazole
 Concen: 2.527 ng
 RT: 11.73 min Scan# 1640
 Delta R.T. -0.01 min
 Lab File: BF103844.D
 Acq: 22 Mar 2018 11:28

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.6	26.4
139	13.0	10.9	16.3





#74

Fluoranthene

Concen: 54.050 ng

RT: 12.73 min Scan# 1810

Delta R.T. 0.01 min

Lab File: BF103844.D

Acq: 22 Mar 2018 11:28

Instrument :

BNA_F

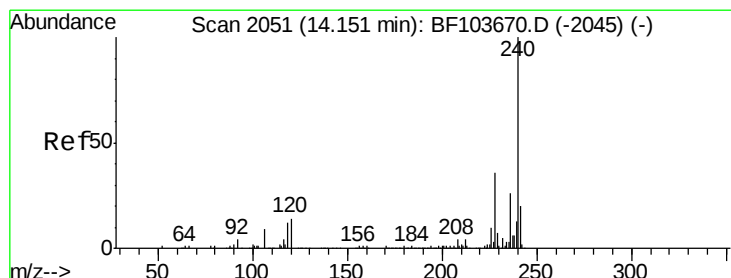
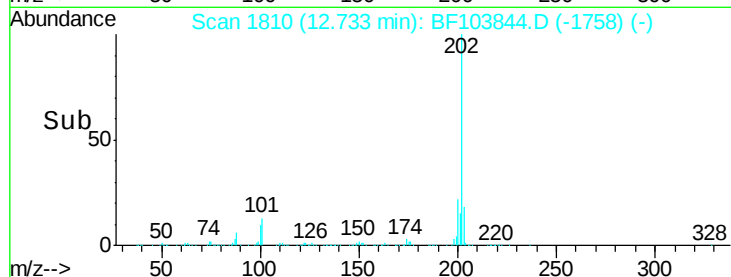
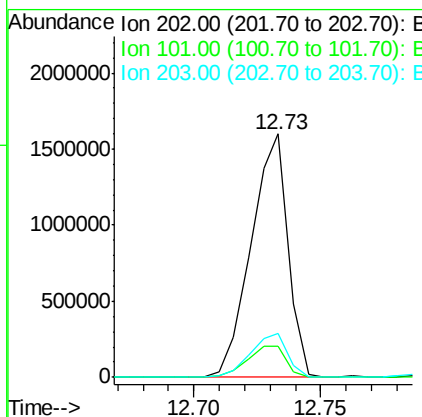
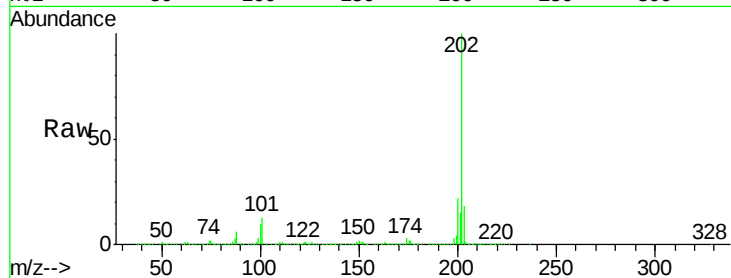
ClientSampleId :

SB-104(22-23)DL

Tgt Ion:	202	Resp:	1613018
Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	34.1
203	18.1	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

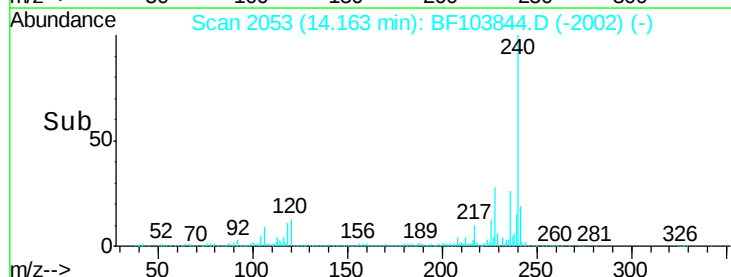
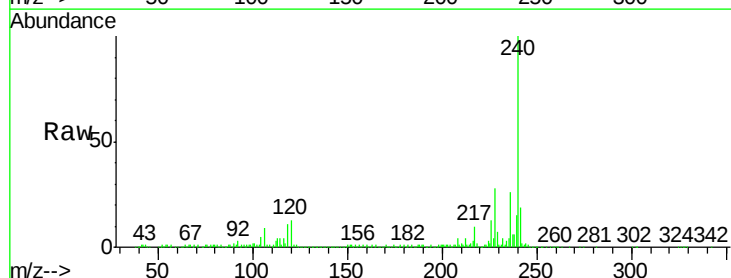
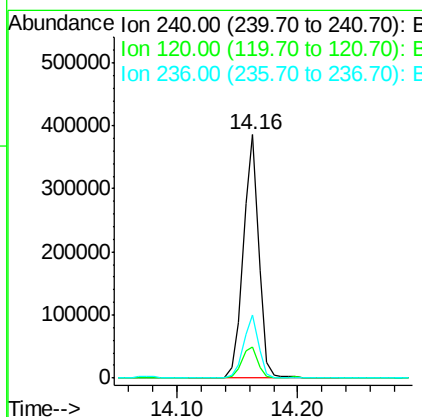
RT: 14.16 min Scan# 2053

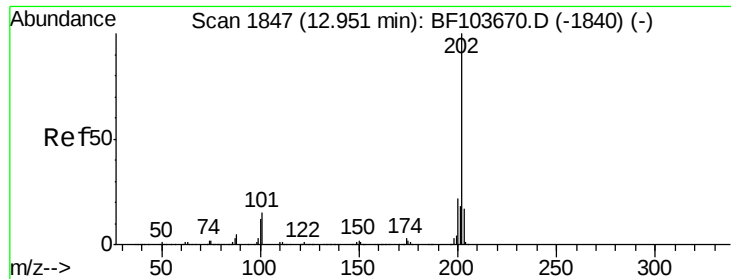
Delta R.T. 0.00 min

Lab File: BF103844.D

Acq: 22 Mar 2018 11:28

Tgt Ion:	240	Resp:	343216
Ion	Ratio	Lower	Upper
240	100		
120	12.8	9.5	14.3
236	26.0	20.7	31.1





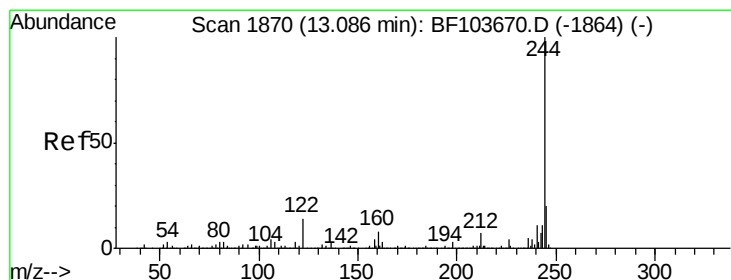
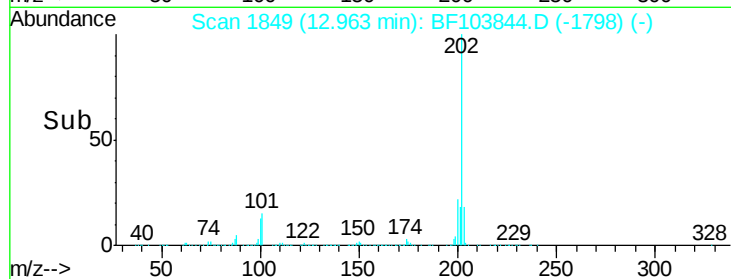
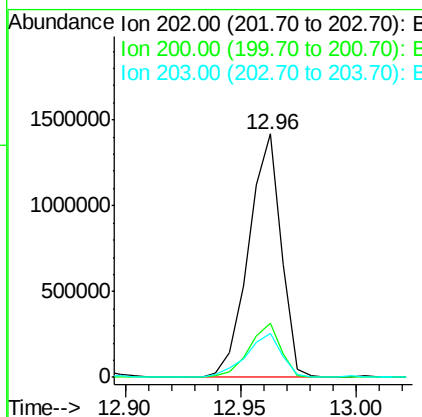
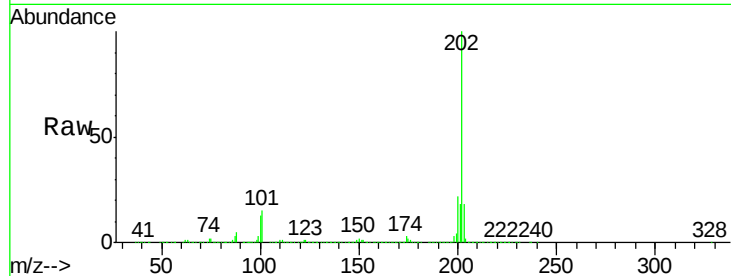
#77
 Pyrene
 Concen: 55.306 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. 0.00 min
 Lab File: BF103844.D
 Acq: 22 Mar 2018 11:28

Instrument :
 BNA_F
 ClientSampleId :
 SB-104(22-23)DL

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.4	26.2
203	18.3	14.3	21.5

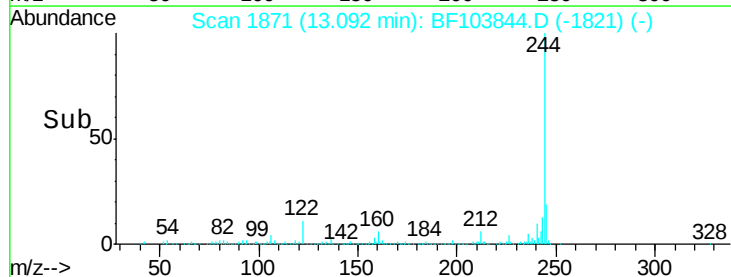
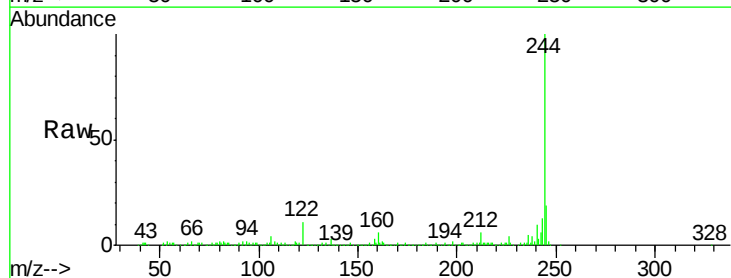
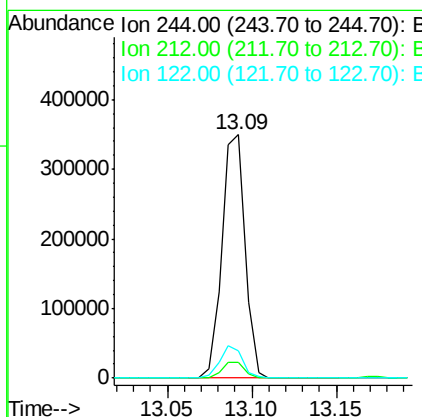
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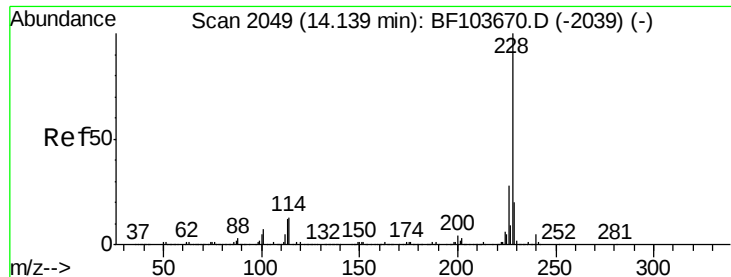
Sohil
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#78
 Terphenyl-d14
 Concen: 22.554 ng
 RT: 13.09 min Scan# 1871
 Delta R.T. -0.01 min
 Lab File: BF103844.D
 Acq: 22 Mar 2018 11:28

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	11.3	11.0	16.4





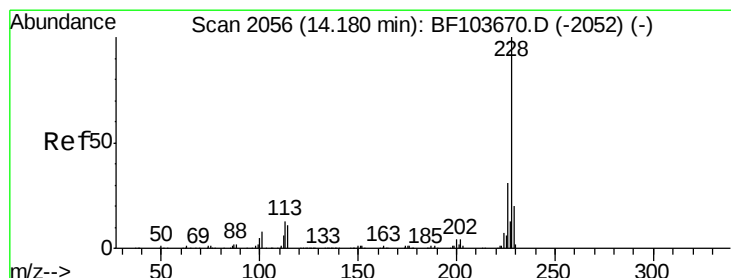
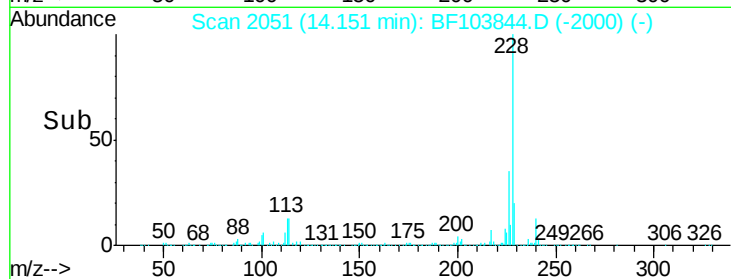
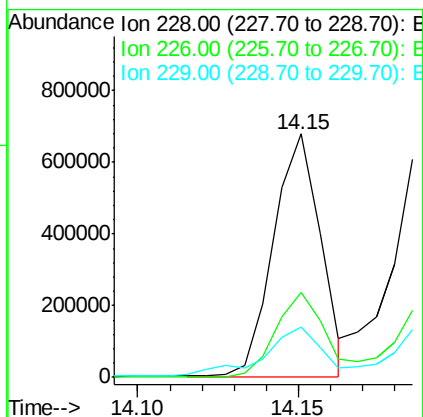
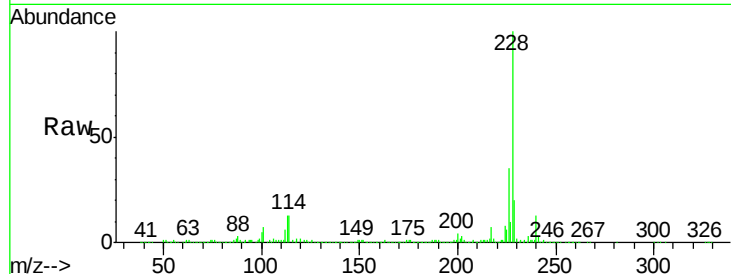
#80
Benzo(a)anthracene
Concen: 31.968 ng m
RT: 14.15 min Scan# 2051
Delta R.T. 0.00 min
Lab File: BF103844.D
Acq: 22 Mar 2018 11:28

Instrument :
BNA_F
ClientSampleId :
SB-104(22-23)DL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.9	22.6	33.8#
229	20.5	15.8	23.6

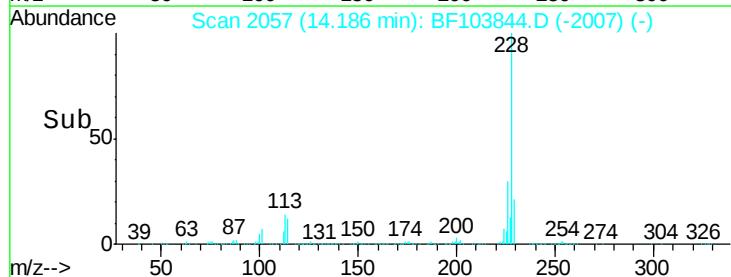
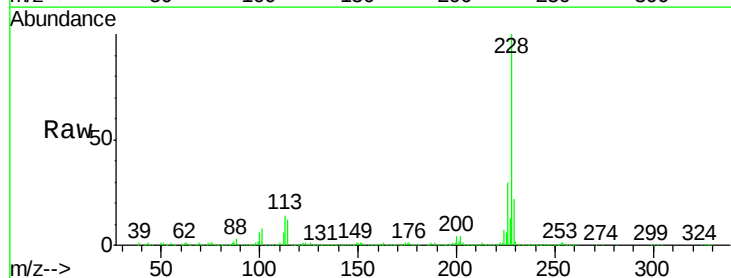
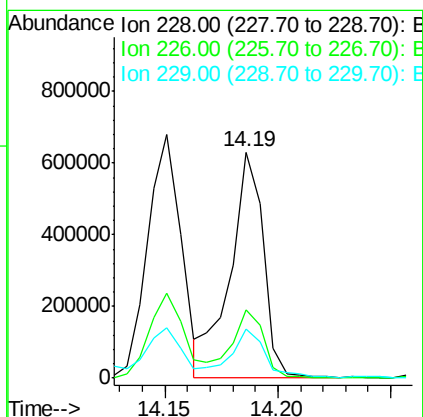
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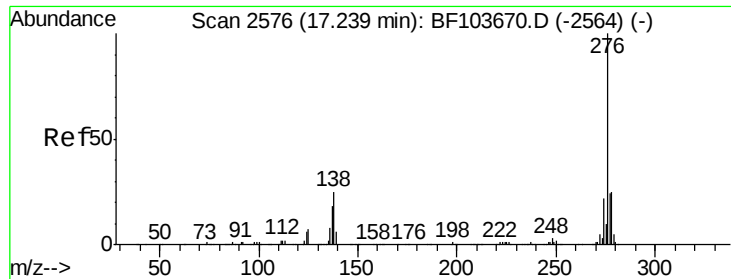
Sohil
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#82
Chrysene
Concen: 31.376 ng m
RT: 14.19 min Scan# 2057
Delta R.T. -0.01 min
Lab File: BF103844.D
Acq: 22 Mar 2018 11:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	21.8	16.2	24.4





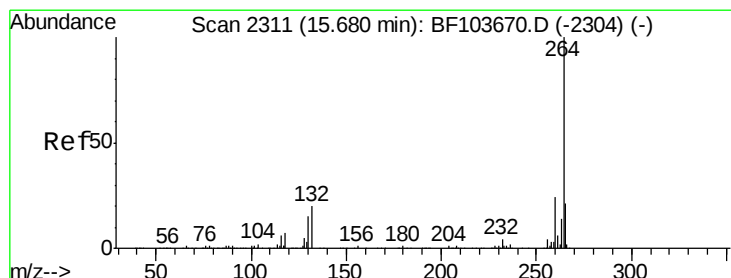
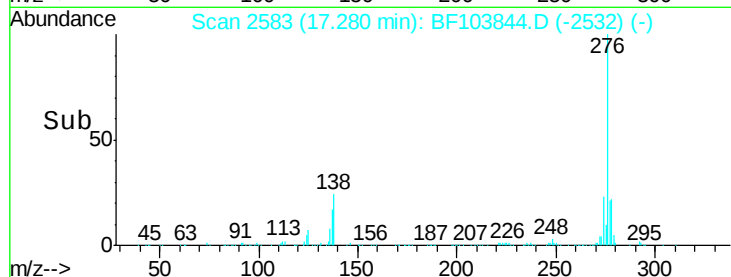
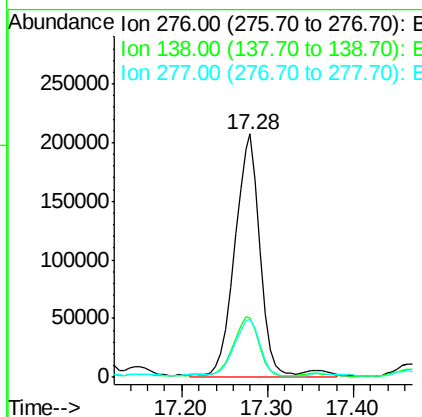
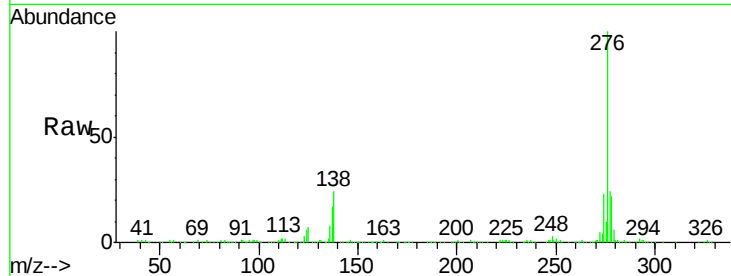
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 24.306 ng m
 RT: 17.28 min Scan# 2583
 Delta R.T. 0.00 min
 Lab File: BF103844.D
 Acq: 22 Mar 2018 11:28

Instrument :
 BNA_F
 ClientSampleId :
 SB-104(22-23)DL

Tgt Ion	Ratio	Lower	Upper
276	100		
138	4.8	25.0	37.6#
277	4.6	20.1	30.1#

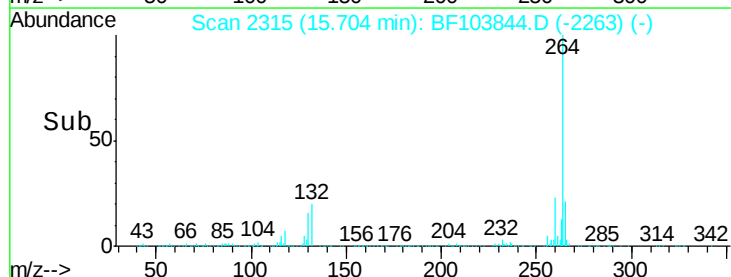
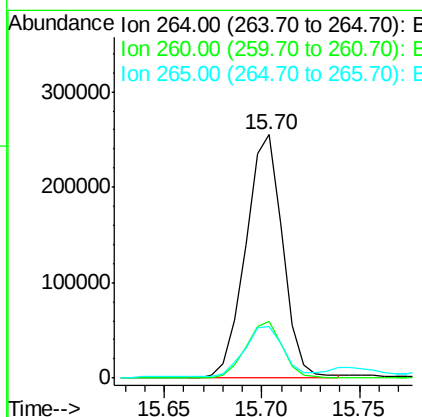
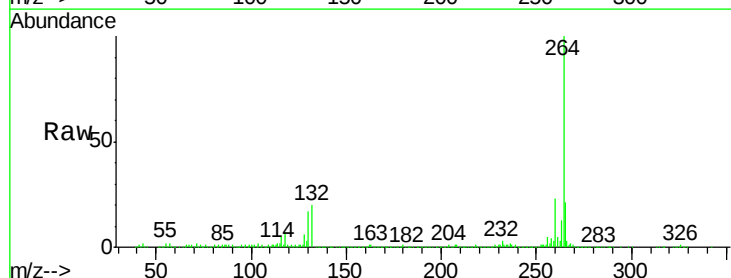
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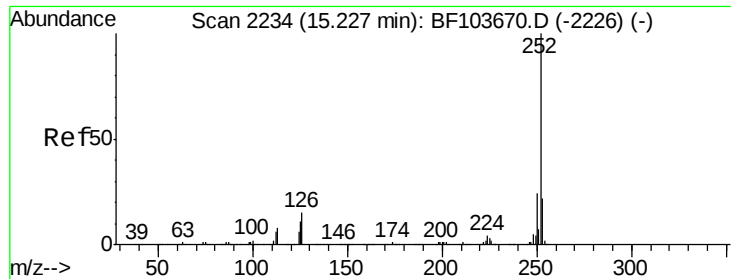
Sohil
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.70 min Scan# 2315
 Delta R.T. 0.01 min
 Lab File: BF103844.D
 Acq: 22 Mar 2018 11:28

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.1	17.5	26.3





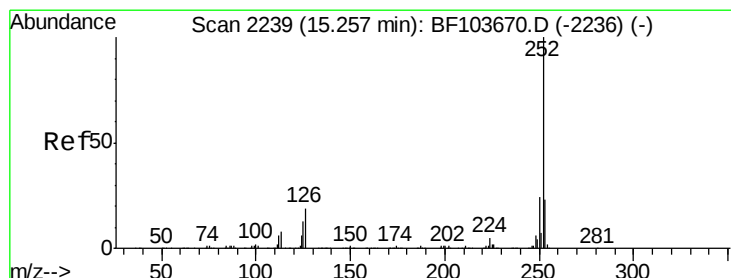
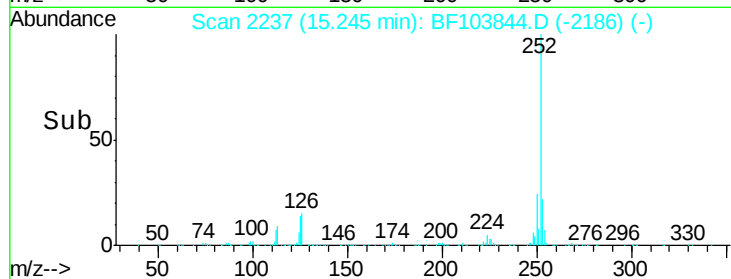
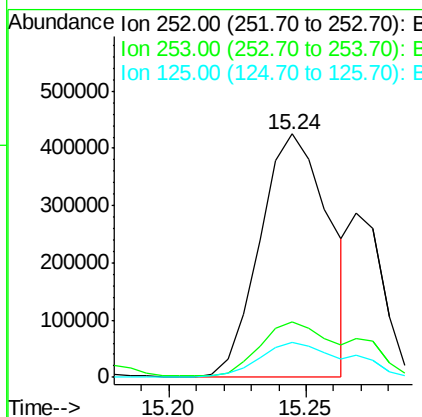
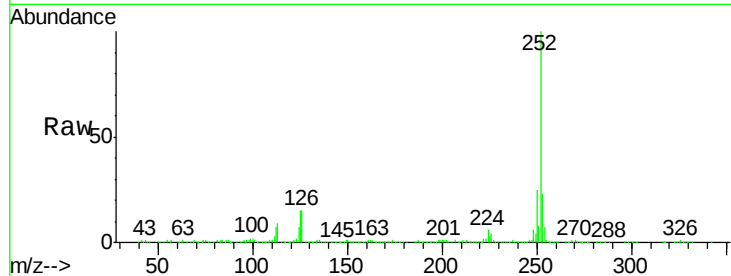
#87
Benzo(b)fluoranthene
Concen: 35.460 ng m
RT: 15.24 min Scan# 2237
Delta R.T. 0.00 min
Lab File: BF103844.D
Acq: 22 Mar 2018 11:28

Instrument :
BNA_F
ClientSampleId :
SB-104(22-23)DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	14.5	9.0	13.6

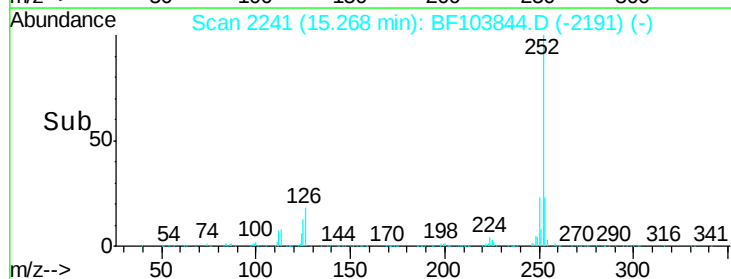
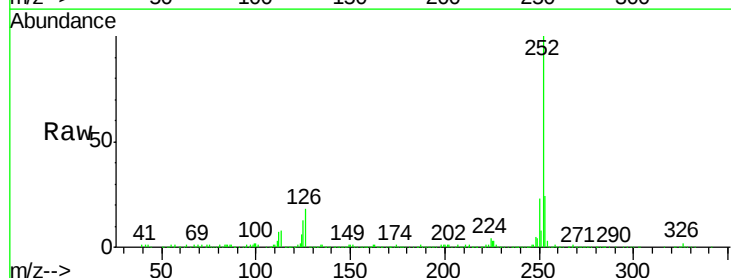
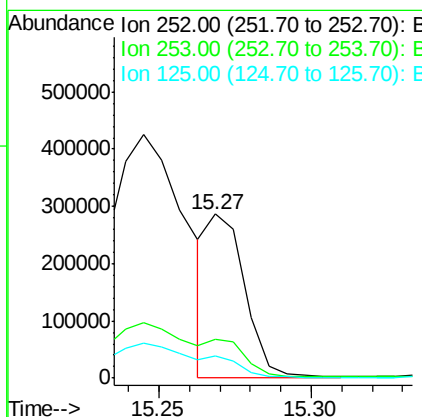
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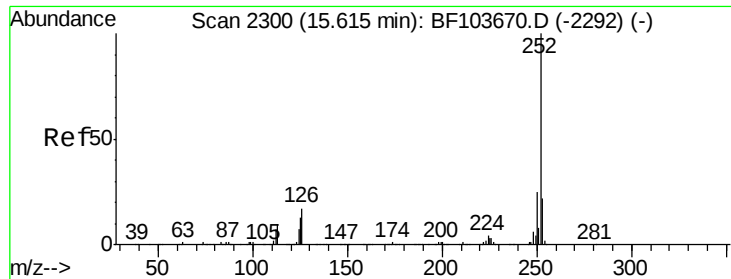
Sohil
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#88
Benzo(k)fluoranthene
Concen: 12.125 ng m
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF103844.D
Acq: 22 Mar 2018 11:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	13.2	10.2	15.2





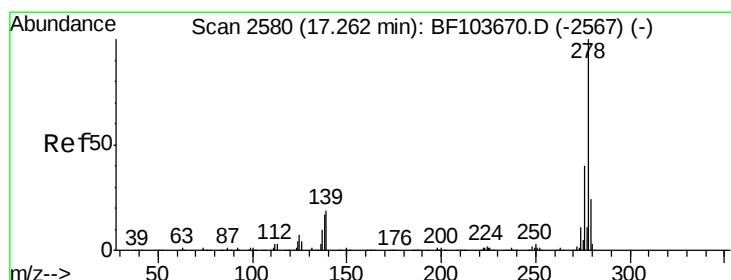
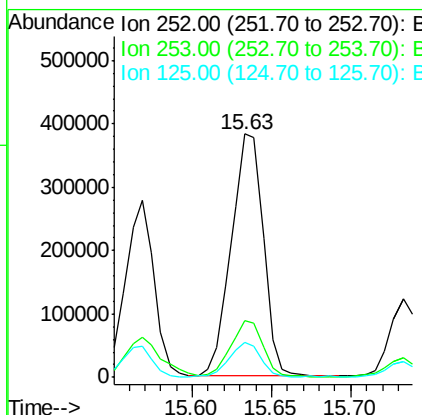
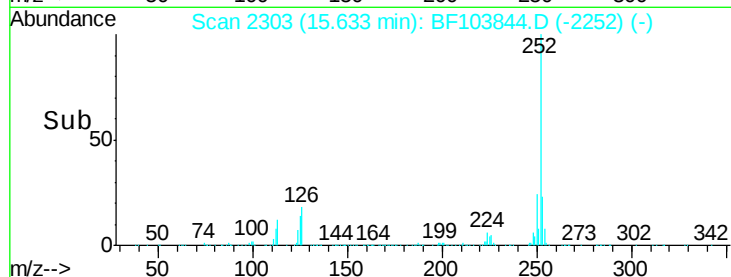
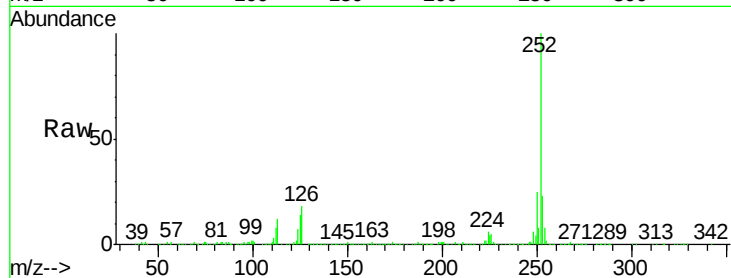
#89
Benzo(a)pyrene
Concen: 28.238 ng
RT: 15.63 min Scan# 2303
Delta R.T. 0.00 min
Lab File: BF103844.D
Acq: 22 Mar 2018 11:28

Instrument :
BNA_F
ClientSampleId :
SB-104(22-23)DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	14.4	9.8	14.6

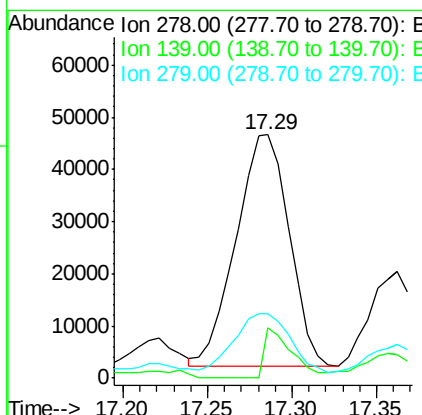
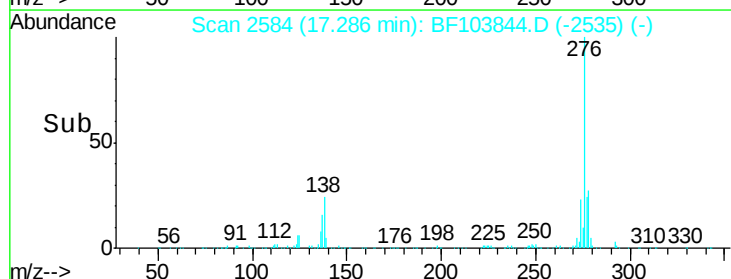
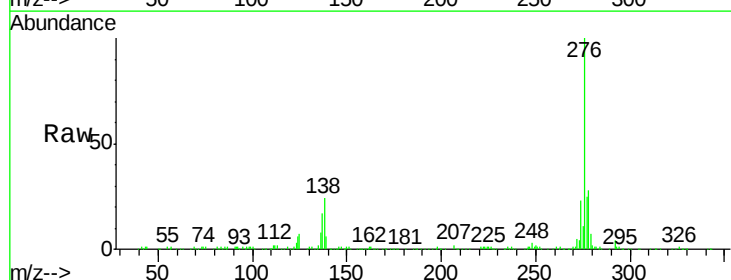
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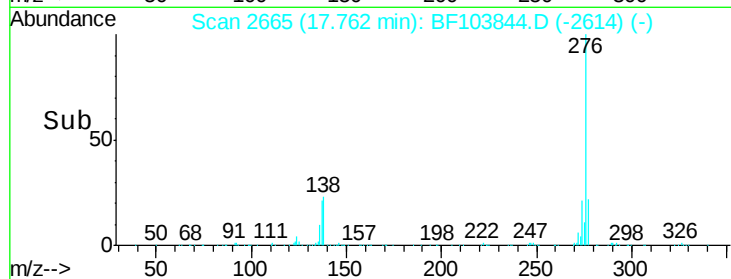
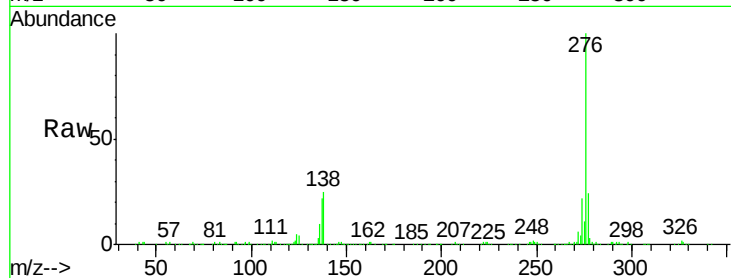
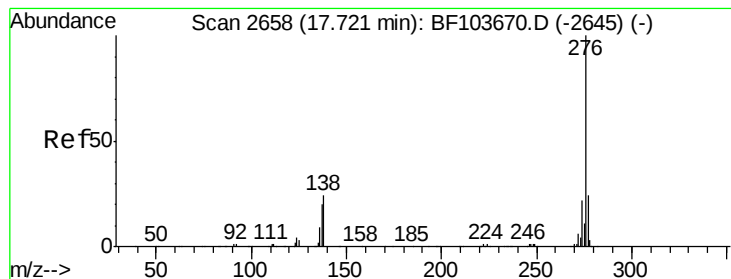
Sohil
3/23/2018 2:46:22 PM



#90
Dibenzo(a,h)anthracene
Concen: 5.893 ng
RT: 17.29 min Scan# 2584
Delta R.T. -0.01 min
Lab File: BF103844.D
Acq: 22 Mar 2018 11:28

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.6	15.9	23.9
279	26.7	19.0	28.4





#91

Benzo(g,h,i)perylene

Concen: 27.910 ng

RT: 17.76 min Scan# 2665

Delta R.T. 0.00 min

Lab File: BF103844.D

Acq: 22 Mar 2018 11:28

Instrument :

BNA_F

ClientSampleId :

SB-104(22-23)DL

Tgt Ion:	276	Resp:	447092
Ion Ratio	Lower	Upper	
276	100		
277	23.7	17.9	26.9
138	24.9	21.8	32.8

Manual Integrations
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