

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF021518\
 Data File : BF103024.D
 Acq On : 15 Feb 2018 18:16
 Operator : SJ/JU
 Sample : J1540-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CB-3-LINE-NW@3

Manual Integrations
 APPROVED

Sohil
 2/16/2018 2:31:17 PM

Quant Time: Feb 16 00:46:31 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 15 14:08:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	178111	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	726724	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	307682	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	408636	20.00	ng	0.01
75) Chrysene-d12	14.09	240	161192	20.00	ng	0.04
86) Perylene-d12	15.59	264	201110	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1208218	103.02	ng	0.00
7) Phenol-d6	6.51	99	1455054	103.04	ng	0.00
23) Nitrobenzene-d5	7.44	82	920371	87.86	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	232158	93.75	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1358343	73.26	ng	0.00
78) Terphenyl-d14	13.00	244	858055	126.04	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.52	94	130552	8.627	ng	99
31) Naphthalene	8.18	128	520540	14.661	ng	99
37) 2-Methylnaphthalene	8.87	142	227060	9.768	ng	98
45) 1,1'-Biphenyl	9.33	154	94703	3.654	ng	97
48) Acenaphthylene	9.77	152	83654	2.640	ng	# 96
49) Dimethylphthalate	9.63	163	127534	5.316	ng	99
51) Acenaphthene	9.95	154	1010561	53.326	ng	99
54) Dibenzofuran	10.12	168	1008148	37.749	ng	97
57) Fluorene	10.47	166	1271609	65.443	ng	100
70) Phenanthrene	11.46	178	5715648	251.145	ng	99
71) Anthracene	11.50	178	2551502	110.229	ng	99
72) Carbazole	11.64	167	1461075	64.429	ng	98
74) Fluoranthene	12.66	202	5982698	261.281	ng	99
77) Pyrene	12.89	202	4875527	385.723	ng	97
80) Benzo(a)anthracene	14.07	228	2963346	292.316	ng	98
82) Chrysene	14.12	228	2451961m	239.940	ng	
85) Indeno(1,2,3-cd)pyrene	17.13	276	1591519	187.779	ng	94
87) Benzo(b)fluoranthene	15.16	252	3051124m	234.005	ng	
88) Benzo(k)fluoranthene	15.18	252	837570m	67.230	ng	
89) Benzo(a)pyrene	15.54	252	2058367	175.383	ng	95
90) Dibenzo(a,h)anthracene	17.13	278	397805m	41.760	ng	
91) Benzo(g,h,i)perylene	17.59	276	1563147	167.647	ng	97

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

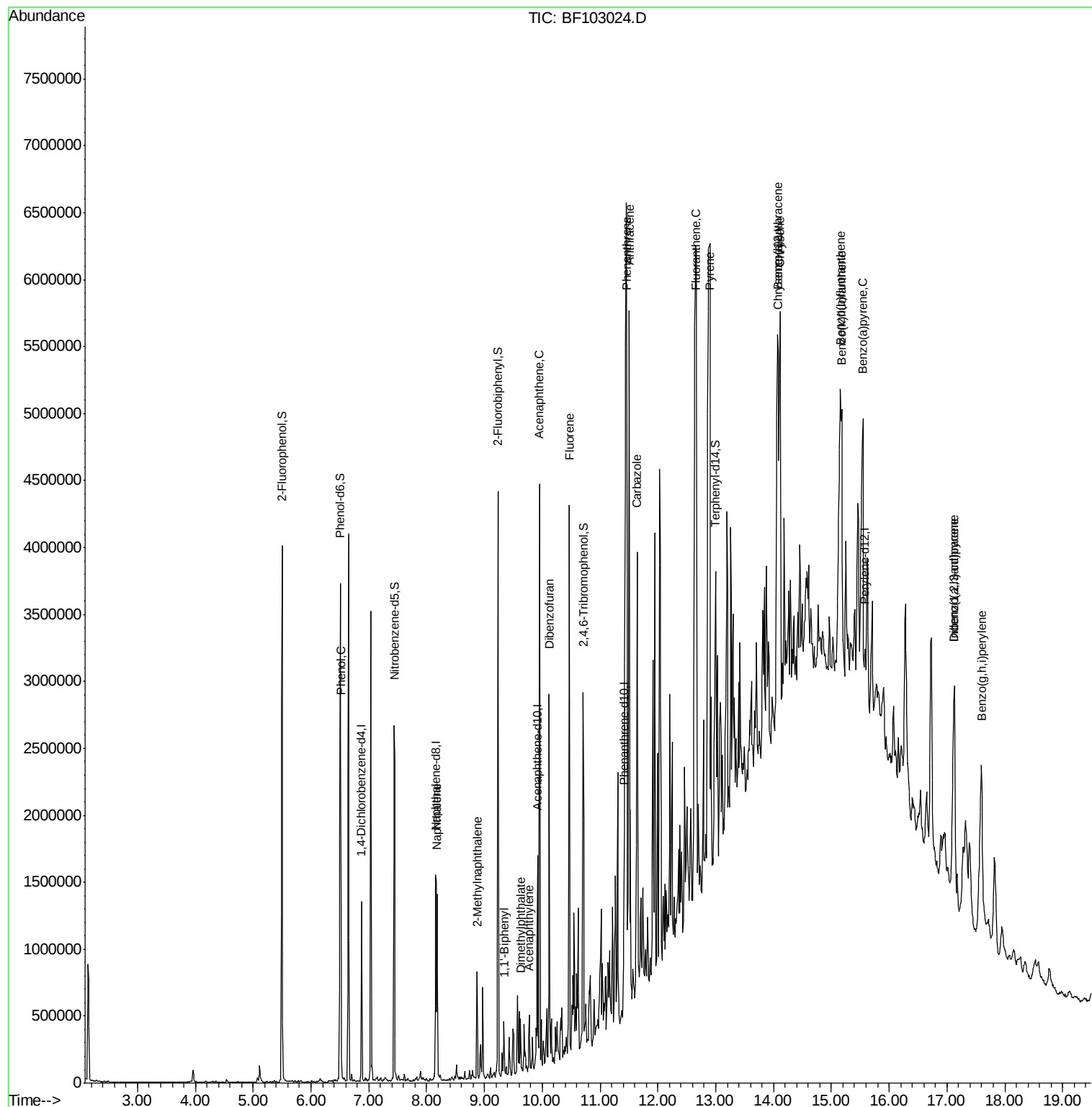
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF021518\
Data File : BF103024.D
Acq On : 15 Feb 2018 18:16
Operator : SJ/JU
Sample : J1540-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

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CB-3-LINE-NW@3

Manual Integrations
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#1

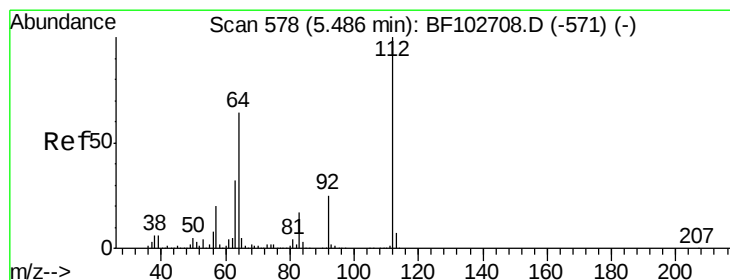
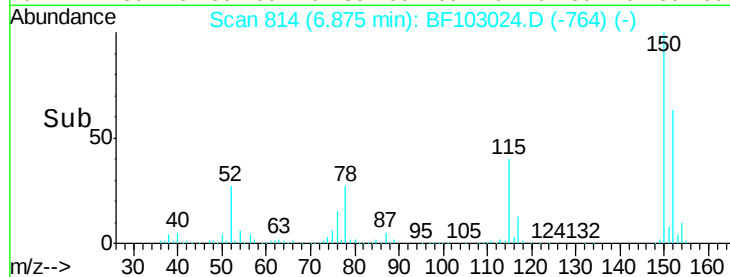
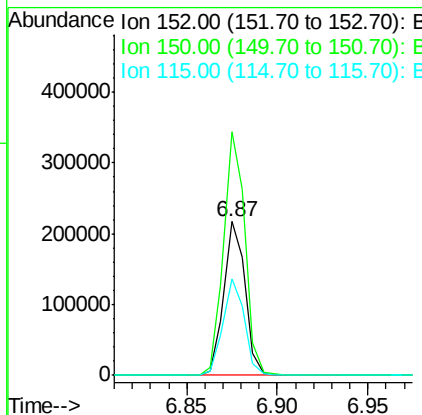
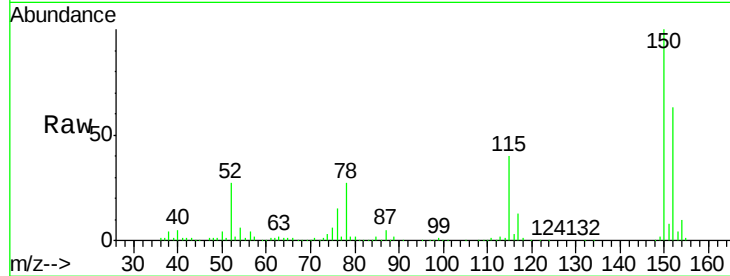
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103024.D
Acq: 15 Feb 2018 18:16

Instrument :
BNA_F
ClientSampleId :
CB-3-LINE-NW@3

Tgt	Ion	Ratio	Lower	Upper
152	100			
150	158.7	124.6	186.8	
115	63.1	50.1	75.1	

Manual Integrations
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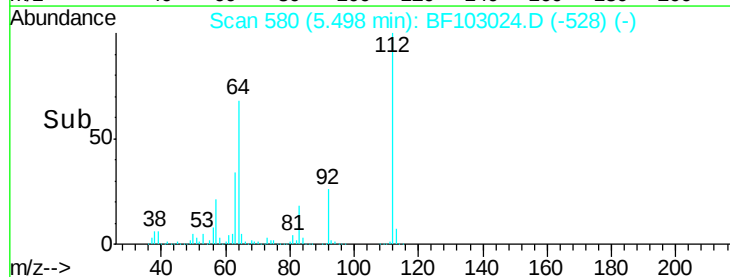
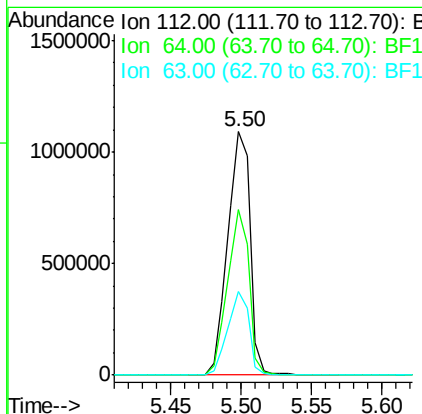
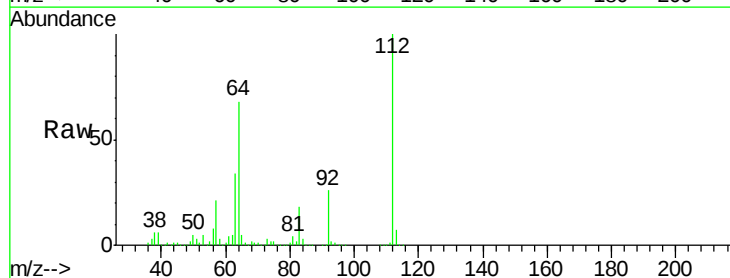
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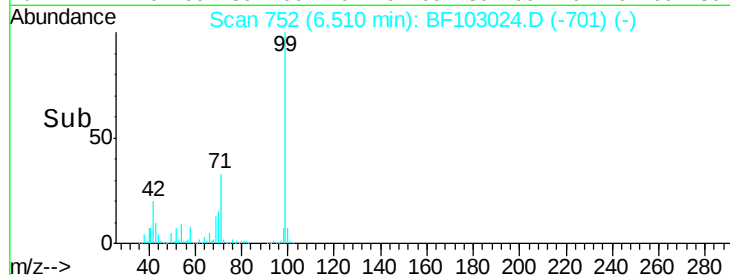
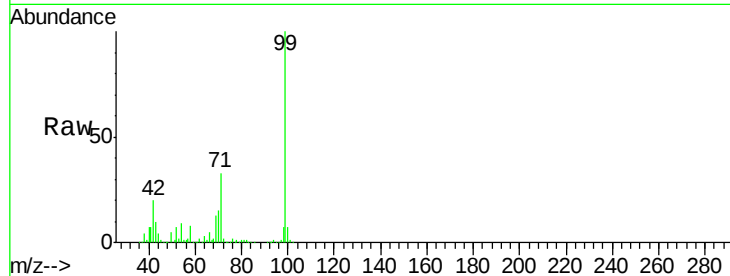


#5

2-Fluorophenol
Concen: 103.019 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103024.D
Acq: 15 Feb 2018 18:16

Tgt	Ion	Ratio	Lower	Upper
112	100			
64	67.9	47.9	71.9	
63	34.4	23.7	35.5	





#7

Phenol-d6

Concen: 103.039 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF103024.D

Acq: 15 Feb 2018 18:16

Tgt Ion:	99	Resp:	1455054
Ion	Ratio	Lower	Upper
99	100		
42	19.6	14.5	21.7
71	33.3	25.4	38.0

Instrument :

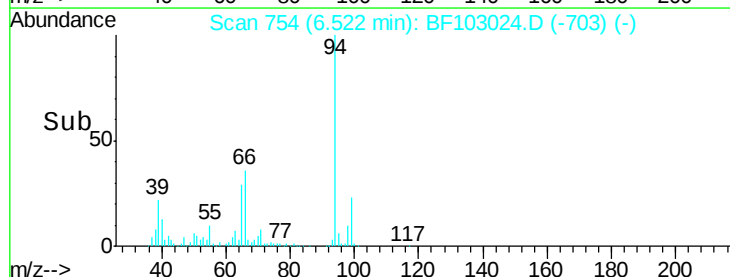
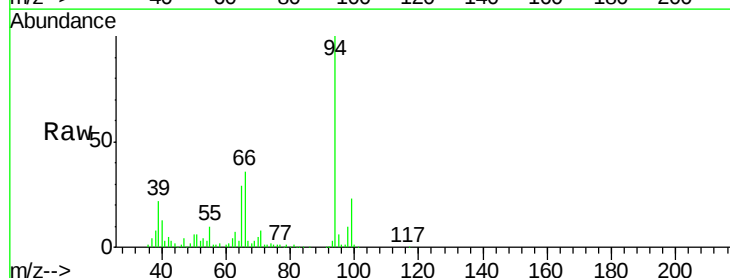
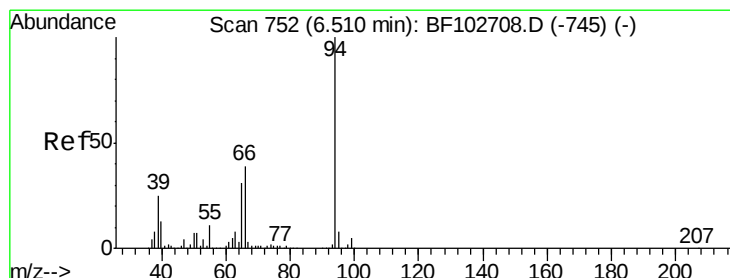
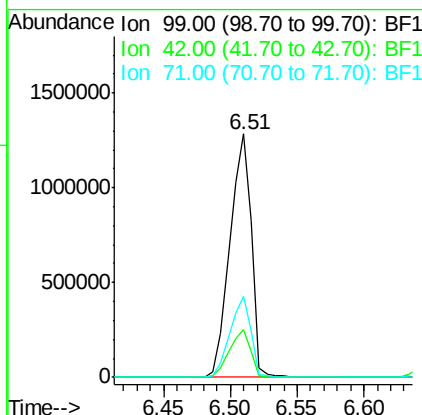
BNA_F

ClientSampleId :

CB-3-LINE-NW@3

Manual Integrations
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#10

Phenol

Concen: 8.627 ng

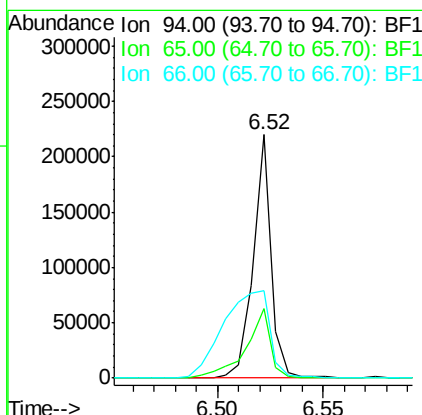
RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF103024.D

Acq: 15 Feb 2018 18:16

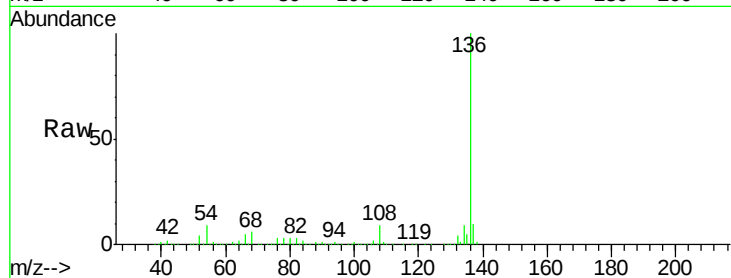
Tgt Ion:	94	Resp:	130552
Ion	Ratio	Lower	Upper
94	100		
65	28.6	7.9	47.9
66	36.2	16.2	56.2





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BF103024.D
Acq: 15 Feb 2018 18:16

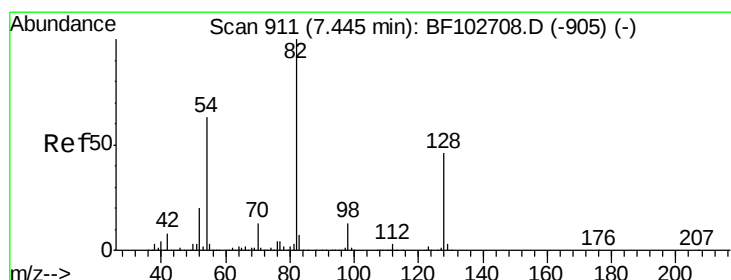
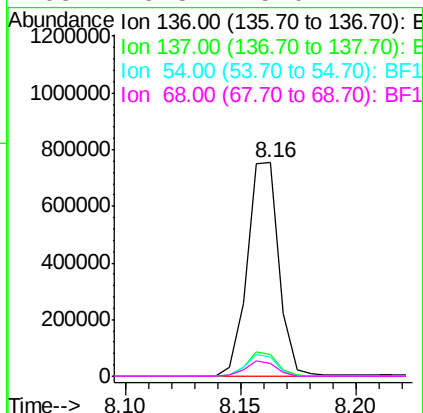
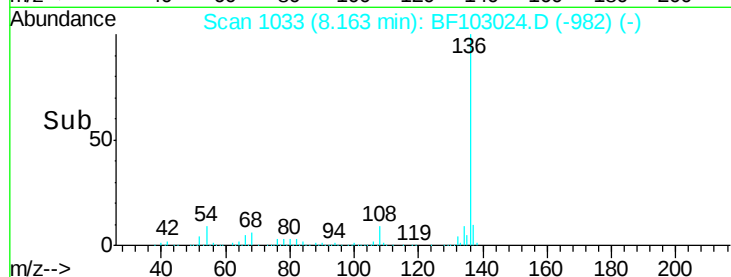
Instrument :
BNA_F
ClientSampleId :
CB-3-LINE-NW@3



Tgt Ion	Ratio	Resp	Lower	Upper
136	100	726724		
137	10.1	8.9	13.3	
54	9.0	6.6	9.8	
68	5.8	5.0	7.4	

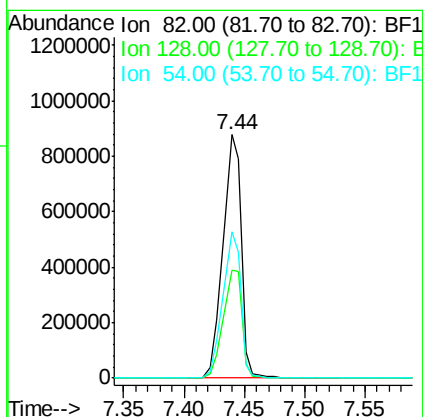
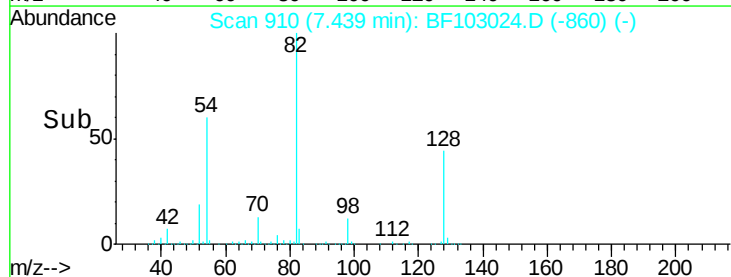
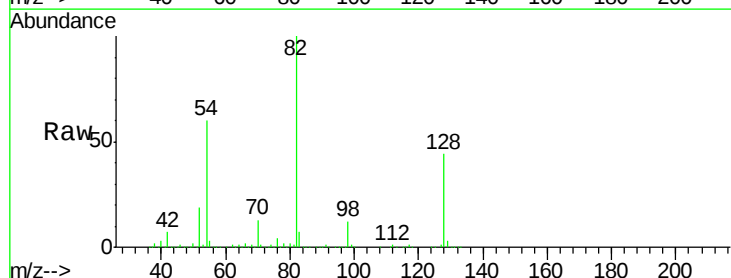
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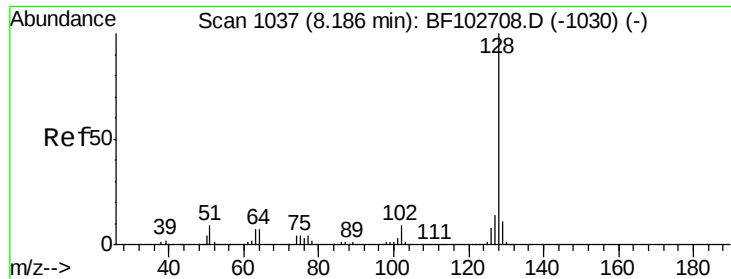
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#23
Nitrobenzene-d5
Concen: 87.855 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103024.D
Acq: 15 Feb 2018 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	920371		
128	44.3	36.1	54.1	
54	60.0	41.4	62.2	





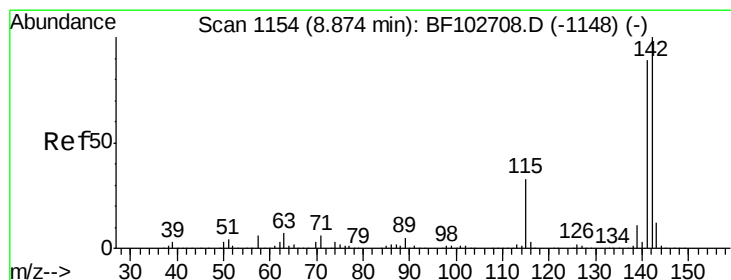
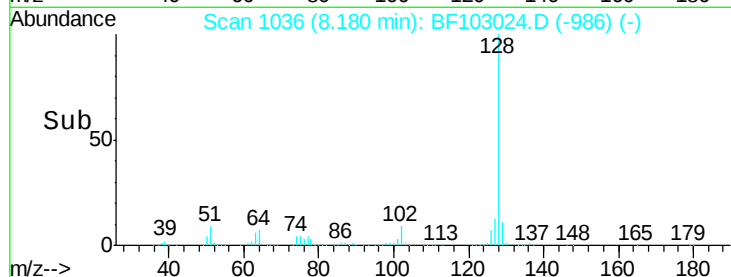
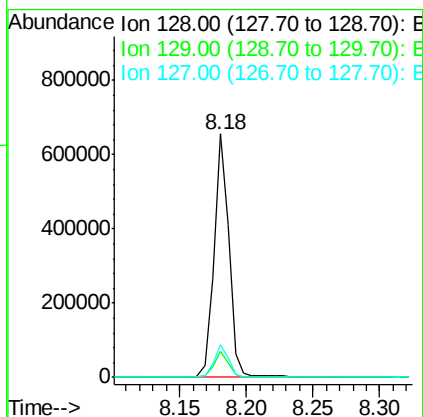
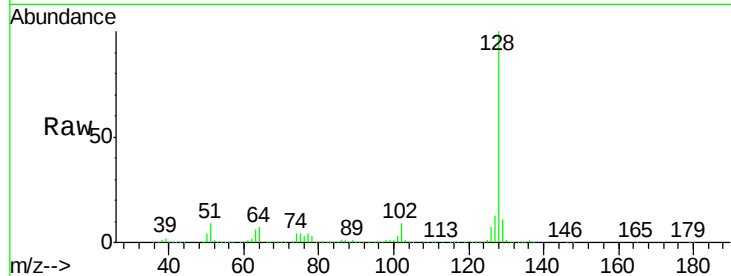
#31
Naphthalene
Concen: 14.661 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF103024.D
Acq: 15 Feb 2018 18:16

Instrument :
BNA_F
ClientSampleId :
CB-3-LINE-NW@3

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.8	13.2
127	13.3	10.9	16.3

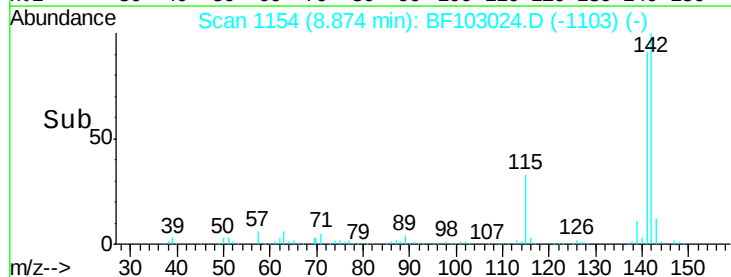
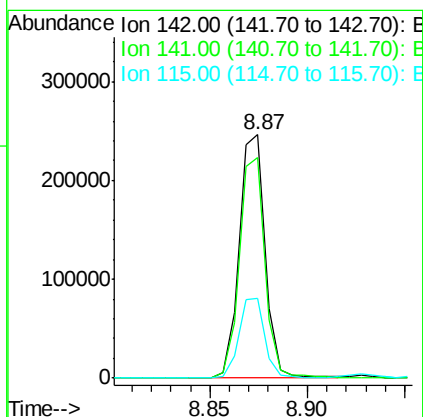
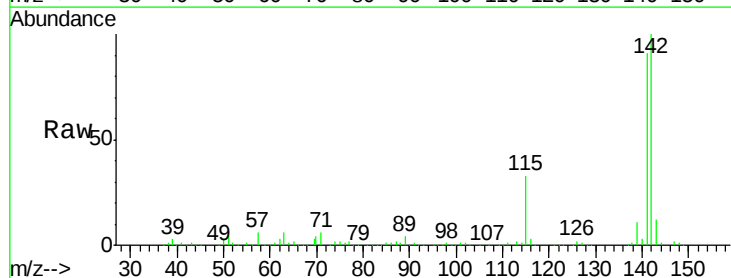
Manual Integrations
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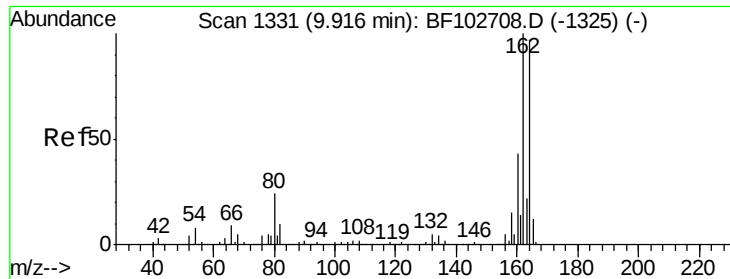
Sohil
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#37
2-Methylnaphthalene
Concen: 9.768 ng
RT: 8.87 min Scan# 1154
Delta R.T. -0.00 min
Lab File: BF103024.D
Acq: 15 Feb 2018 18:16

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.7	70.8	106.2
115	32.7	26.1	39.1





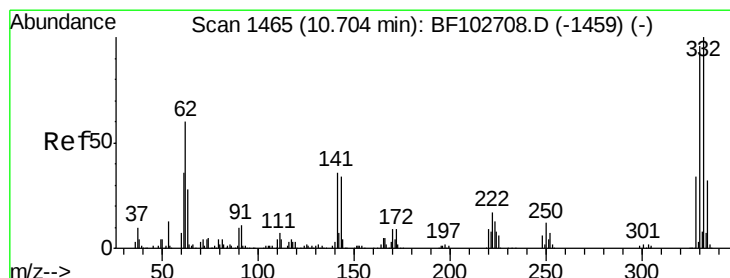
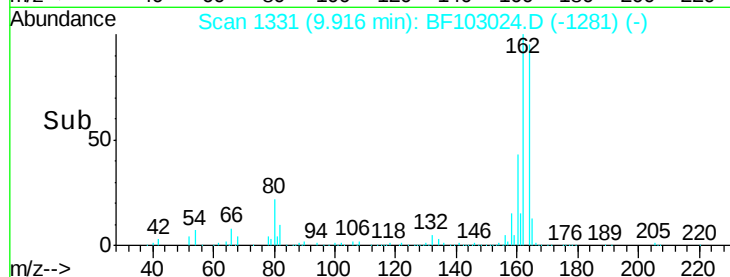
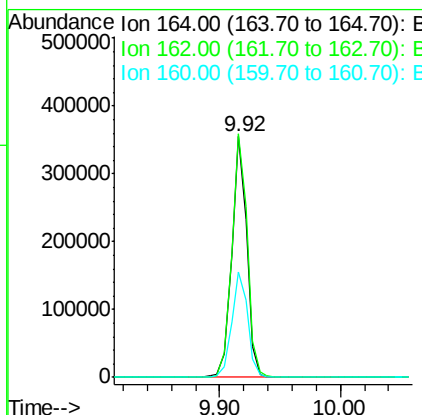
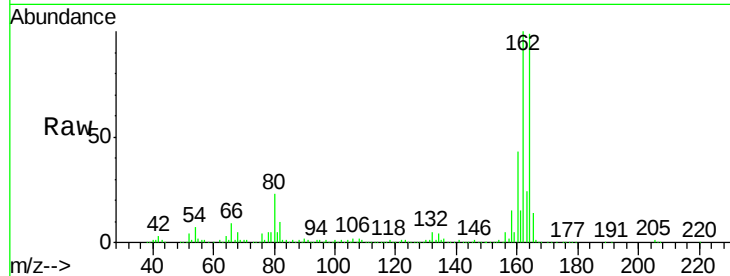
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF103024.D
 Acq: 15 Feb 2018 18:16

Instrument :
 BNA_F
 ClientSampleId :
 CB-3-LINE-NW@3

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	307682		
162	101.1	86.1	129.1	
160	43.6	38.3	57.5	

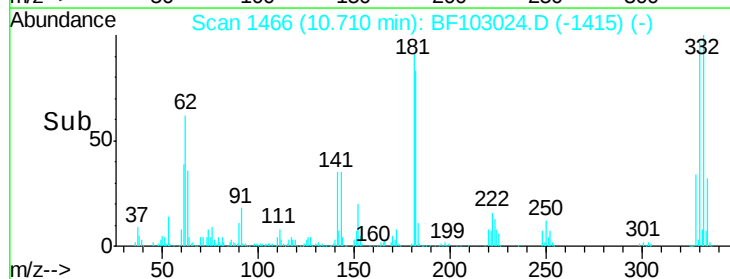
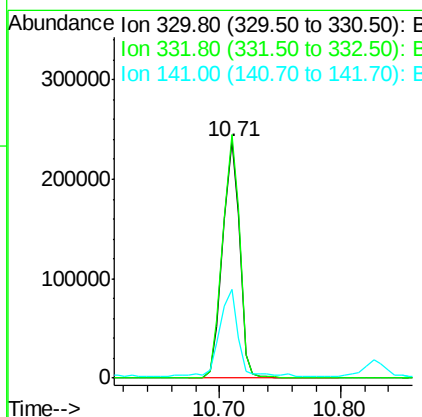
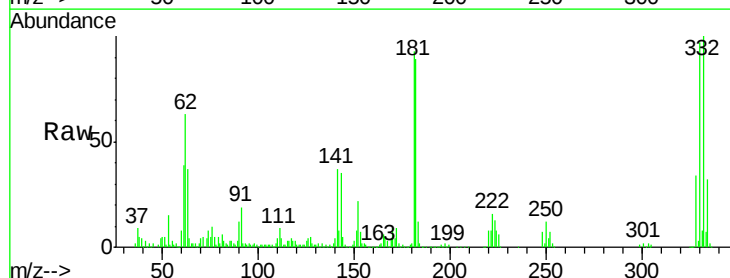
Manual Integrations
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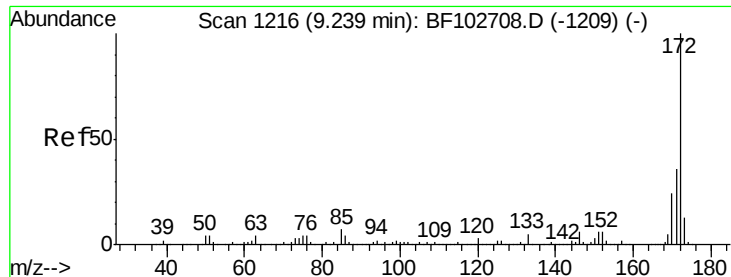
Sohil
 2/16/2018 2:31:17 PM



#41
 2,4,6-Tribromophenol
 Concen: 93.745 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF103024.D
 Acq: 15 Feb 2018 18:16

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	232158		
332	103.3	77.0	115.6	
141	41.0	29.9	44.9	





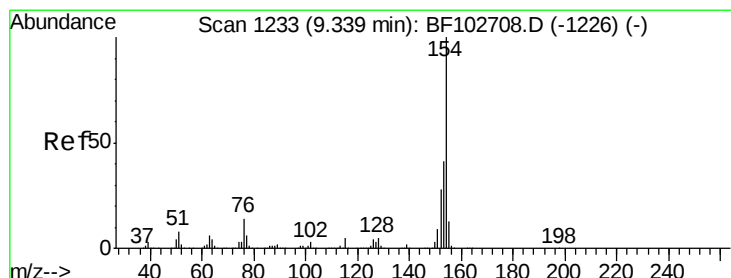
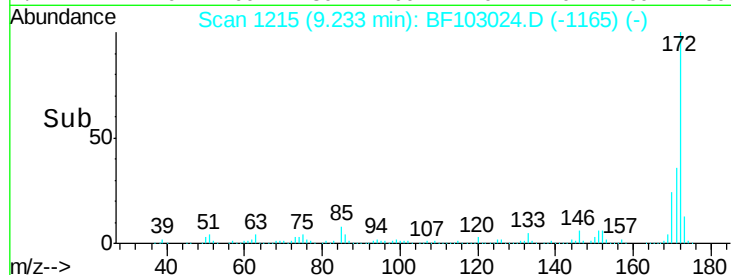
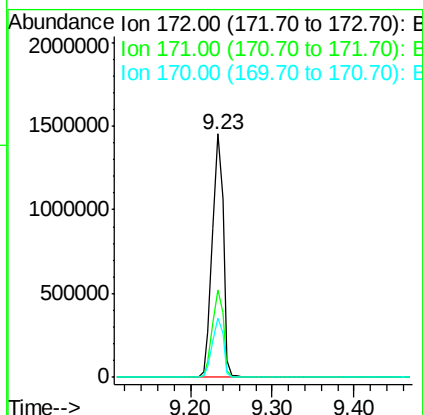
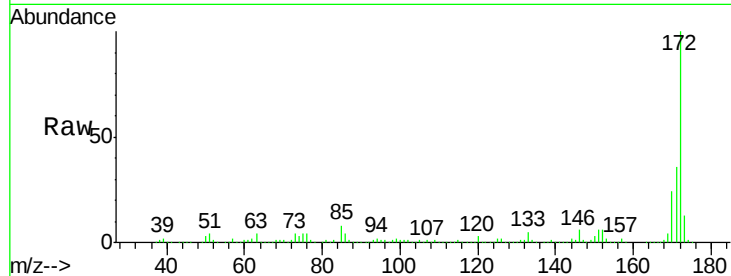
#44
 2-Fluorobiphenyl
 Concen: 73.257 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF103024.D
 Acq: 15 Feb 2018 18:16

Instrument :
 BNA_F
 ClientSampleId :
 CB-3-LINE-NW@3

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.4	19.6	29.4

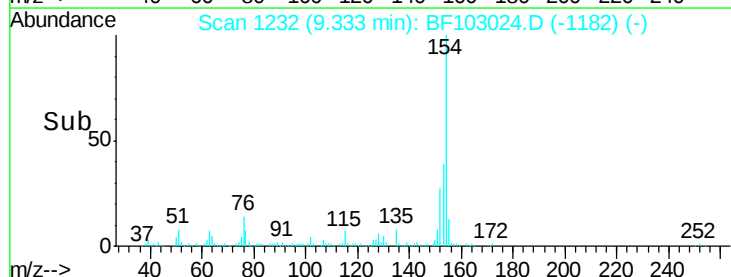
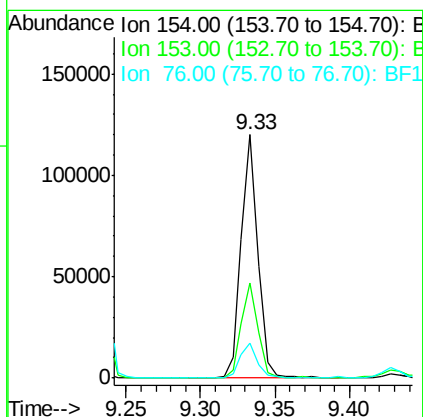
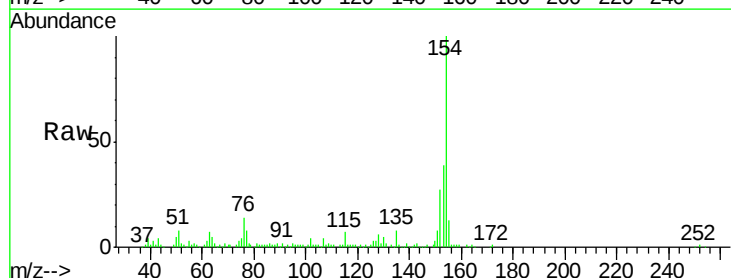
Manual Integrations
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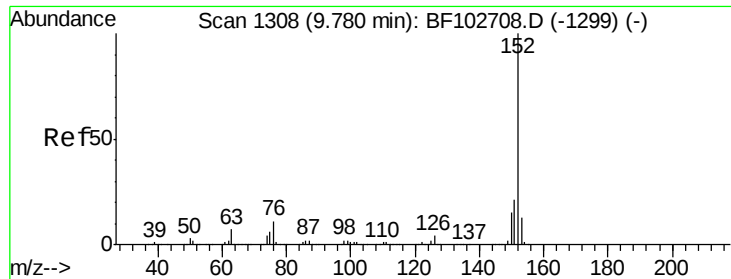
Sohil
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#45
 1,1'-Biphenyl
 Concen: 3.654 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. -0.01 min
 Lab File: BF103024.D
 Acq: 15 Feb 2018 18:16

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.1	21.3	61.3
76	14.2	0.0	34.0





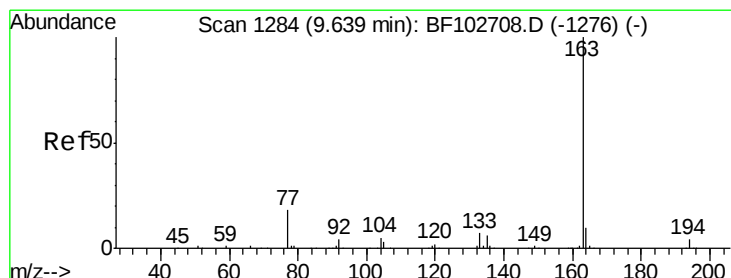
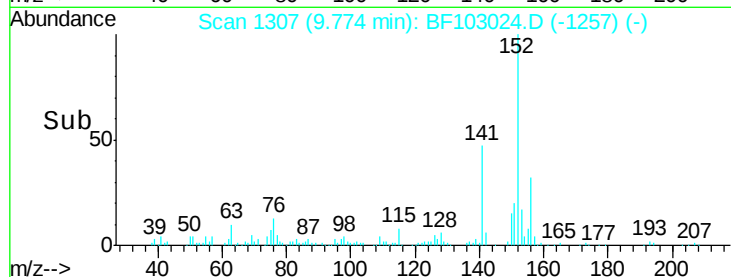
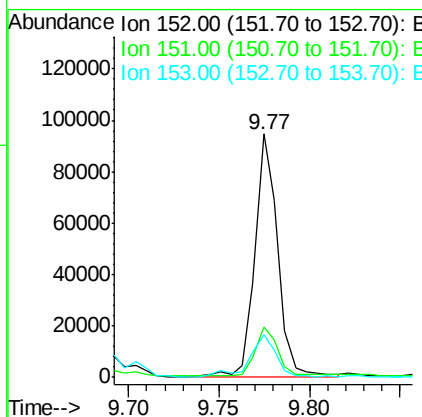
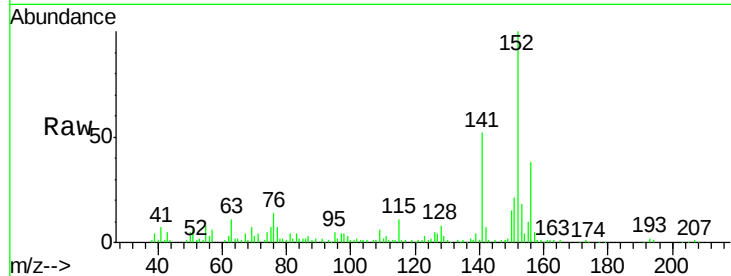
#48
Acenaphthylene
Concen: 2.640 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF103024.D
Acq: 15 Feb 2018 18:16

Instrument :
BNA_F
ClientSampleId :
CB-3-LINE-NW@3

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.3	24.5
153	17.7	10.7	16.1

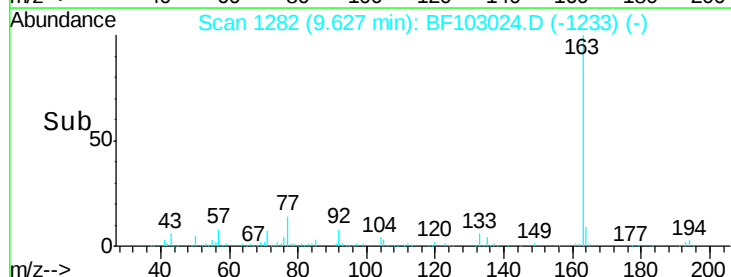
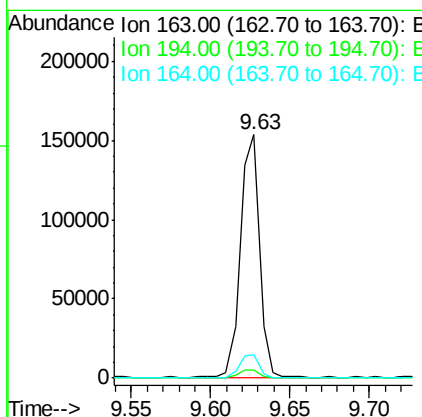
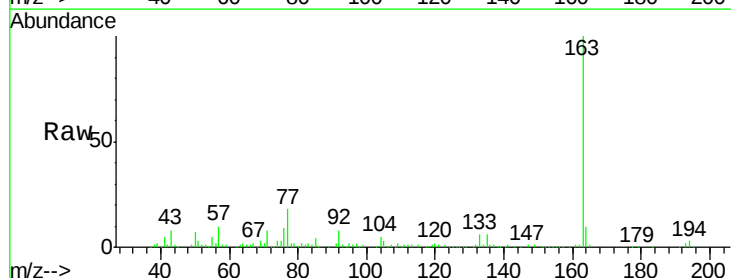
Manual Integrations
APPROVED

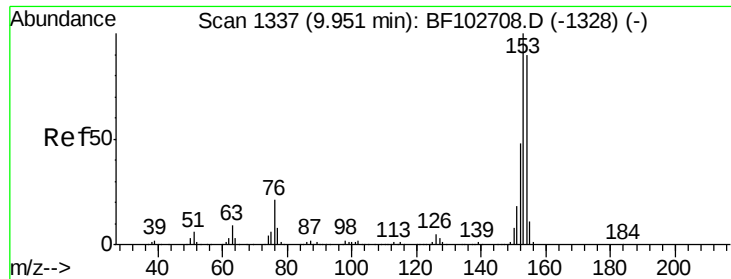
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#49
Dimethylphthalate
Concen: 5.316 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF103024.D
Acq: 15 Feb 2018 18:16

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.7	4.1
164	9.5	8.2	12.2





#51

Acenaphthene

Concen: 53.326 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF103024.D

Acq: 15 Feb 2018 18:16

Instrument :

BNA_F

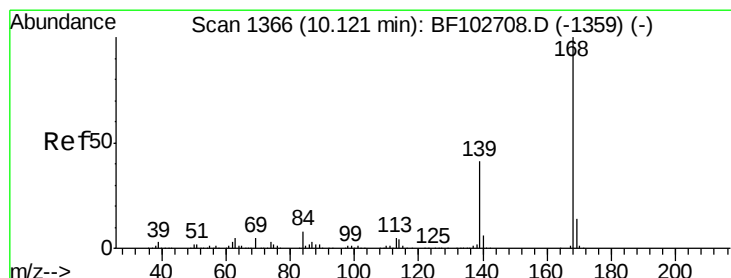
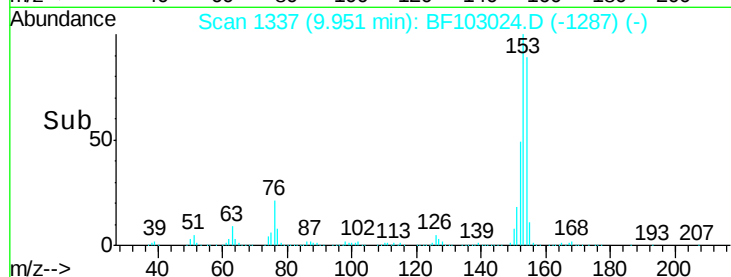
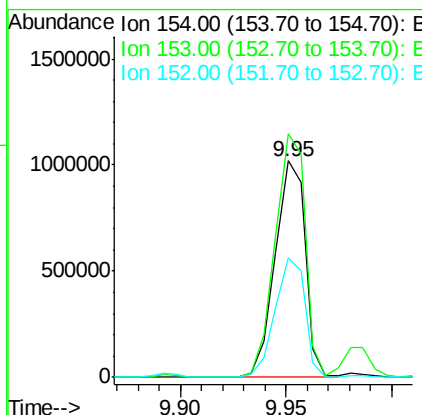
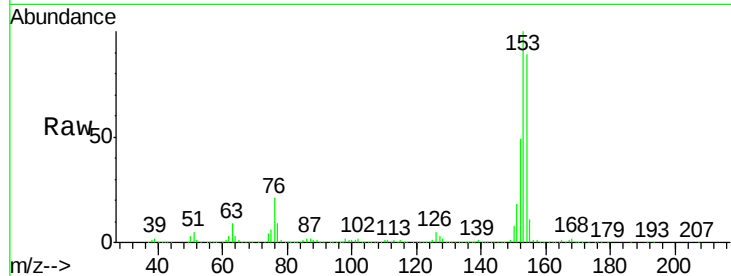
ClientSampleId :

CB-3-LINE-NW@3

Tgt Ion:	154	Resp:	1010561
Ion	Ratio	Lower	Upper
154	100		
153	112.6	91.2	136.8
152	55.0	43.8	65.8

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#54

Dibenzofuran

Concen: 37.749 ng

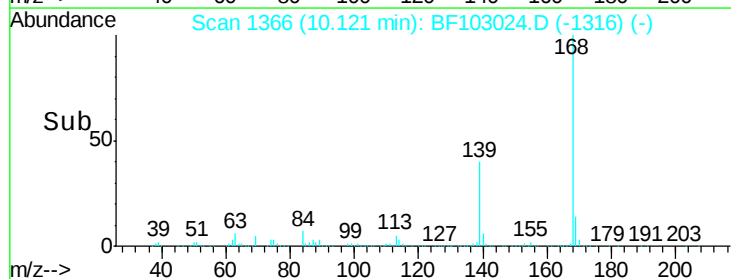
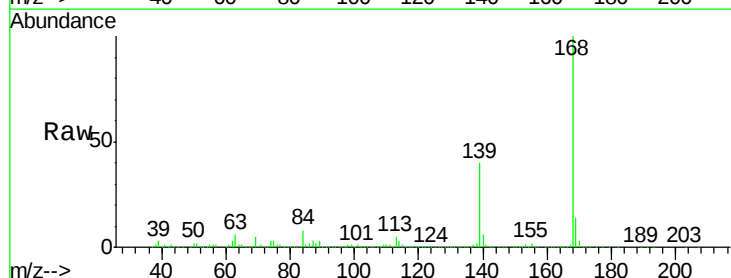
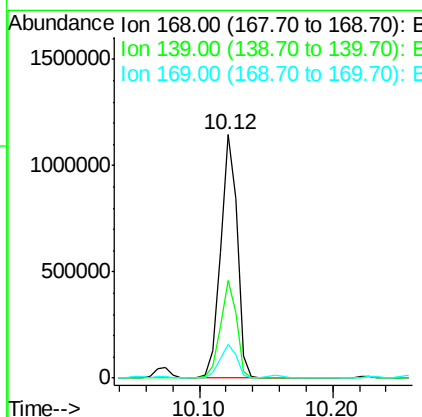
RT: 10.12 min Scan# 1366

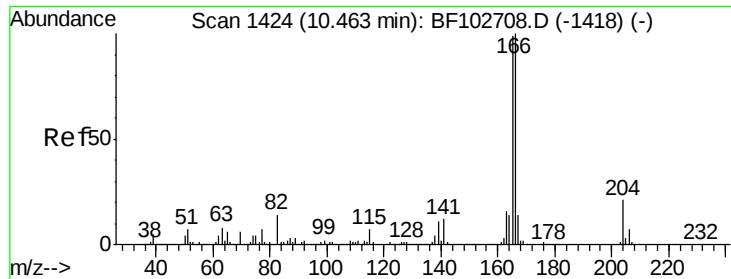
Delta R.T. -0.01 min

Lab File: BF103024.D

Acq: 15 Feb 2018 18:16

Tgt Ion:	168	Resp:	1008148
Ion	Ratio	Lower	Upper
168	100		
139	40.2	30.1	45.1
169	14.0	10.9	16.3





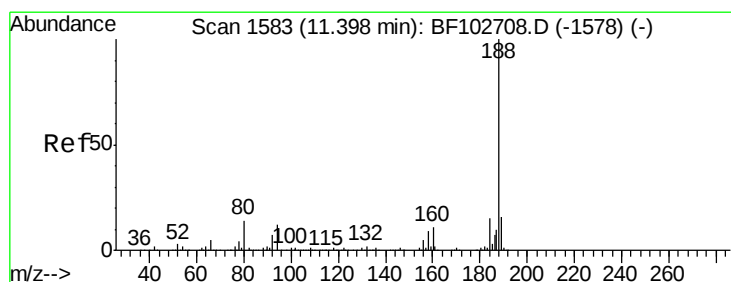
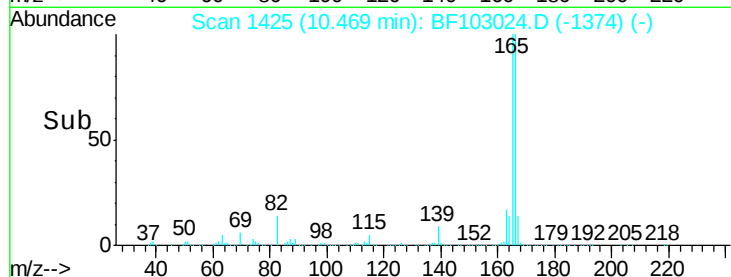
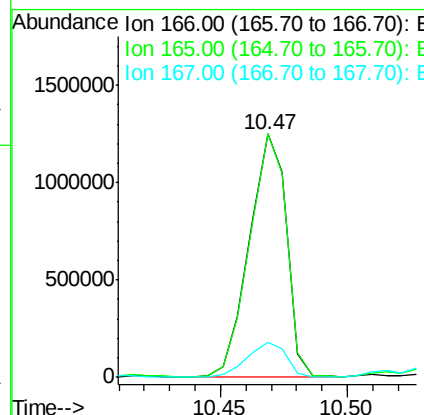
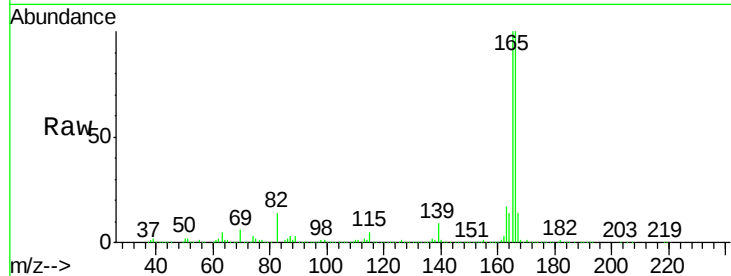
#57
 Fluorene
 Concen: 65.443 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.00 min
 Lab File: BF103024.D
 Acq: 15 Feb 2018 18:16

Instrument :
 BNA_F
 ClientSampleId :
 CB-3-LINE-NW@3

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.9	79.8	119.8
167	14.4	10.6	16.0

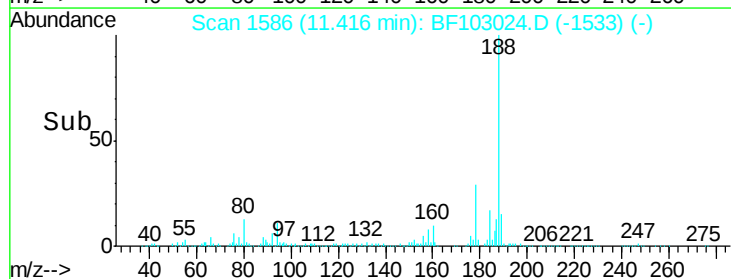
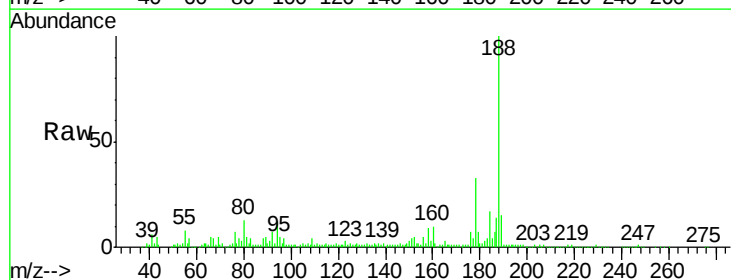
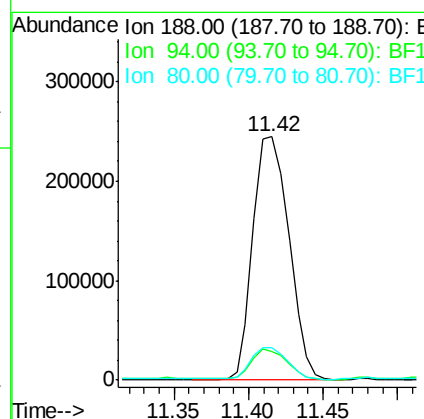
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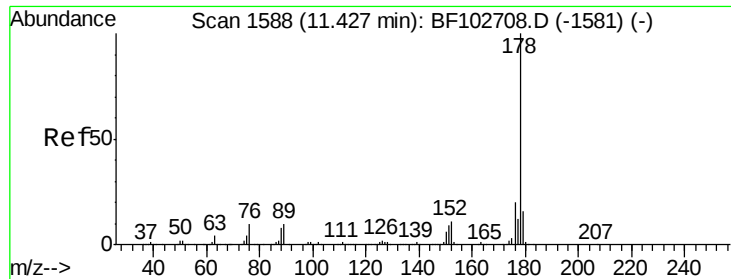
Sohil
 2/16/2018 2:31:17 PM



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: BF103024.D
 Acq: 15 Feb 2018 18:16

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.6	8.5	12.7
80	13.3	9.2	13.8





#70

Phenanthrene

Concen: 251.145 ng

RT: 11.46 min Scan# 1593

Delta R.T. 0.02 min

Lab File: BF103024.D

Acq: 15 Feb 2018 18:16

Instrument :

BNA_F

ClientSampleId :

CB-3-LINE-NW@3

Tgt Ion:178 Resp: 5715648

Ion Ratio Lower Upper

178 100

176 20.2 15.8 23.8

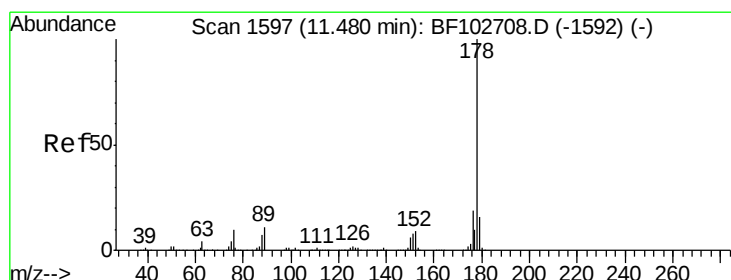
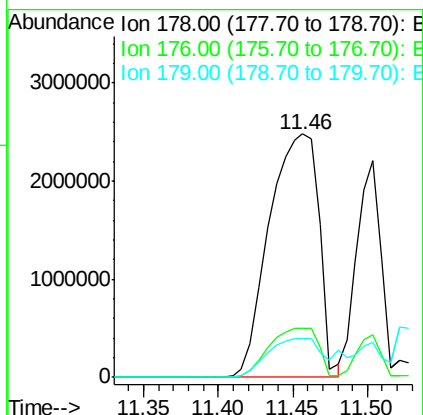
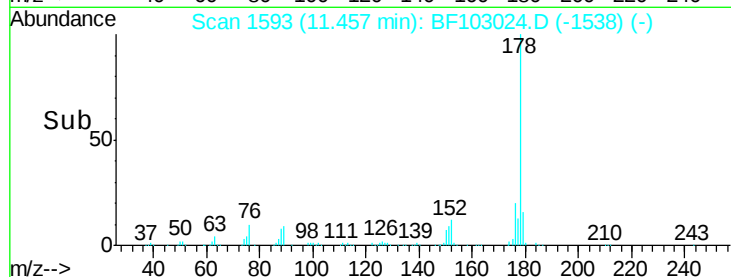
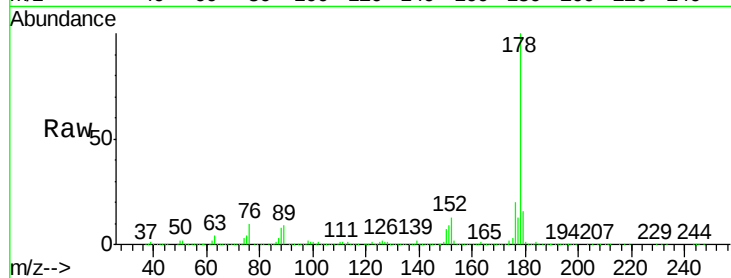
179 16.2 13.0 19.6

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#71

Anthracene

Concen: 110.229 ng

RT: 11.50 min Scan# 1601

Delta R.T. 0.02 min

Lab File: BF103024.D

Acq: 15 Feb 2018 18:16

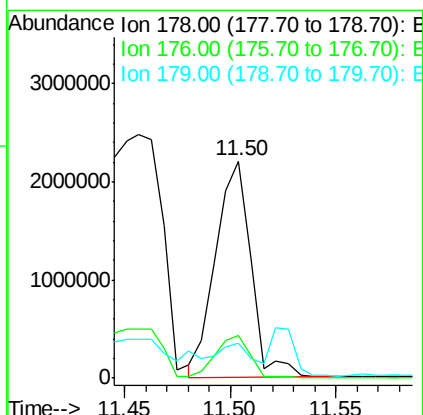
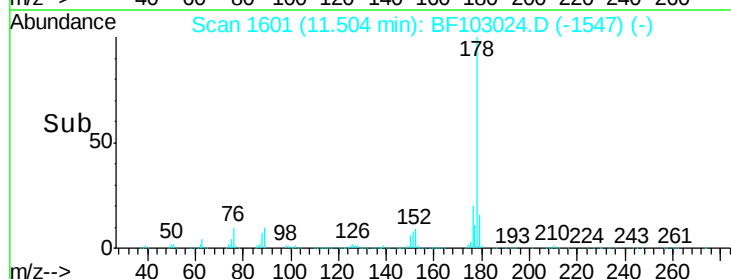
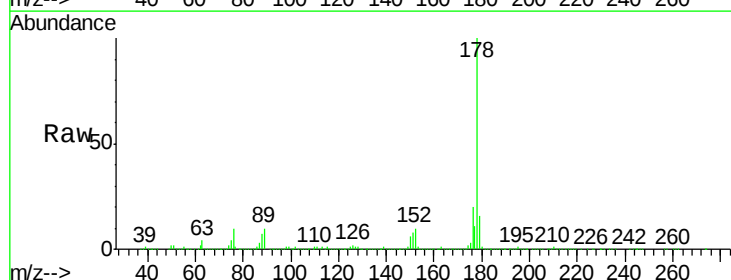
Tgt Ion:178 Resp: 2551502

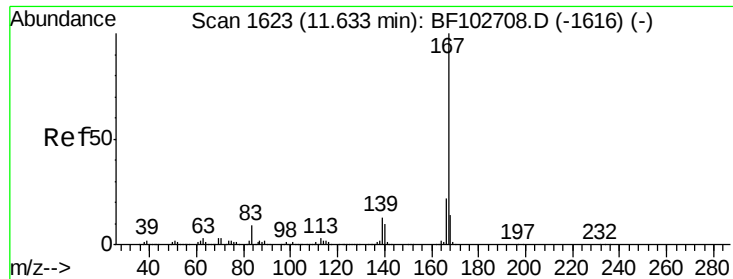
Ion Ratio Lower Upper

178 100

176 19.9 15.4 23.2

179 16.2 12.6 19.0





#72

Carbazole

Concen: 64.429 ng

RT: 11.64 min Scan# 1625

Delta R.T. 0.01 min

Lab File: BF103024.D

Acq: 15 Feb 2018 18:16

Instrument :

BNA_F

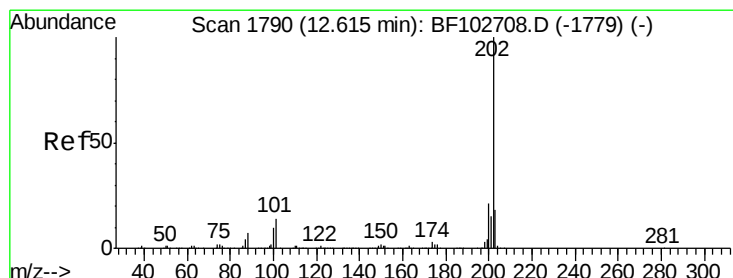
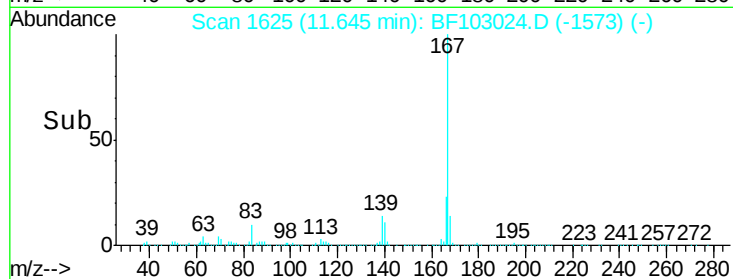
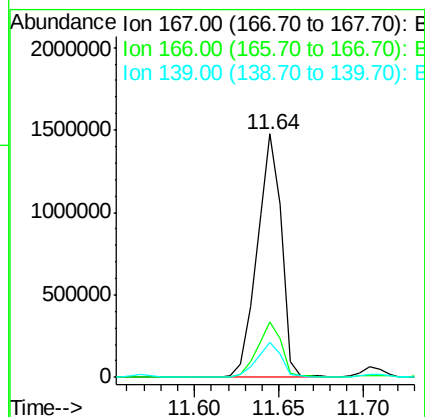
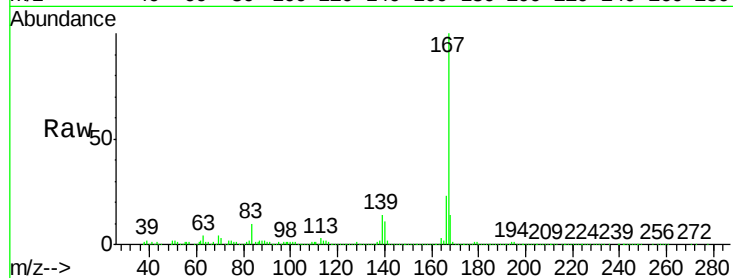
ClientSampleId :

CB-3-LINE-NW@3

Tgt Ion:	167	Resp:	1461075
Ion	Ratio	Lower	Upper
167	100		
166	22.7	17.6	26.4
139	14.3	10.9	16.3

Manual Integrations
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#74

Fluoranthene

Concen: 261.281 ng

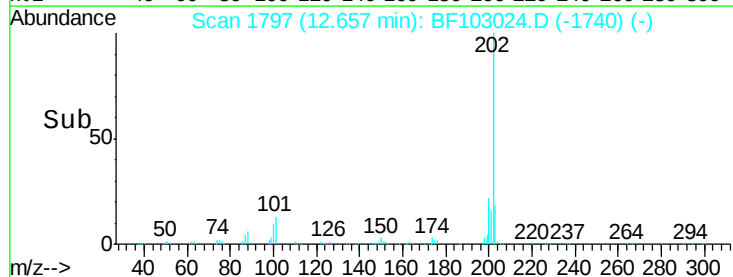
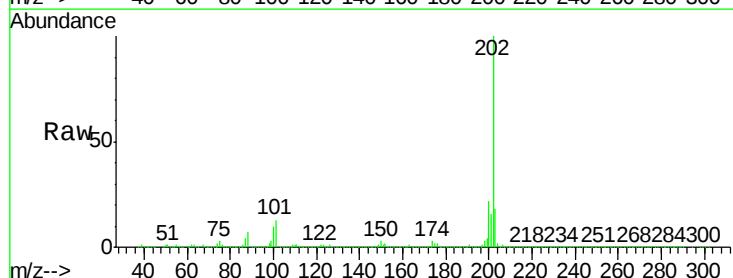
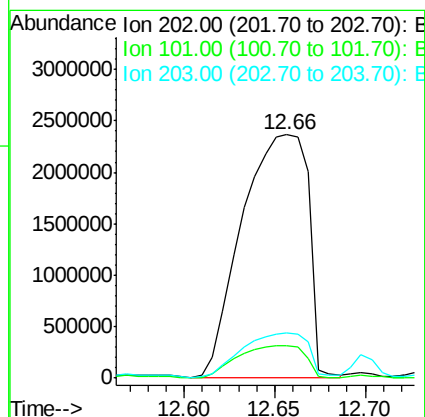
RT: 12.66 min Scan# 1797

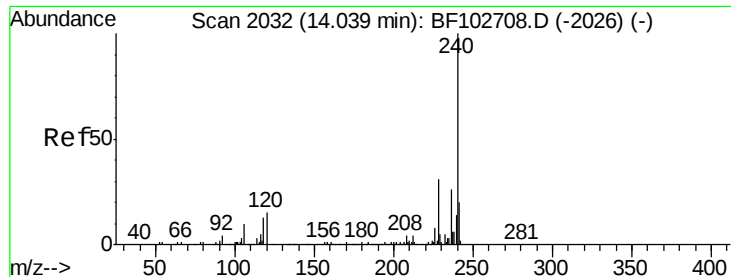
Delta R.T. 0.04 min

Lab File: BF103024.D

Acq: 15 Feb 2018 18:16

Tgt Ion:	202	Resp:	5982698
Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	34.1
203	18.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.09 min Scan# 2040

Delta R.T. 0.04 min

Lab File: BF103024.D

Acq: 15 Feb 2018 18:16

Instrument :

BNA_F

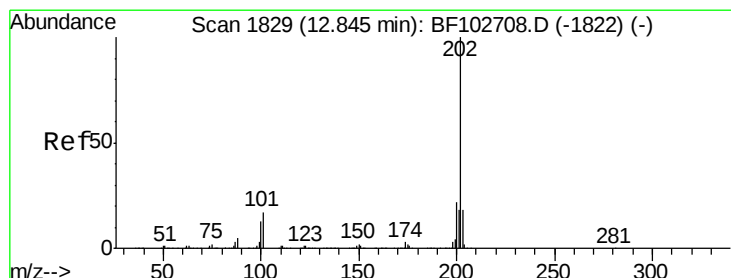
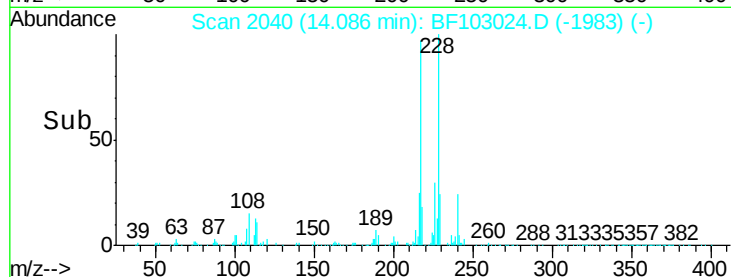
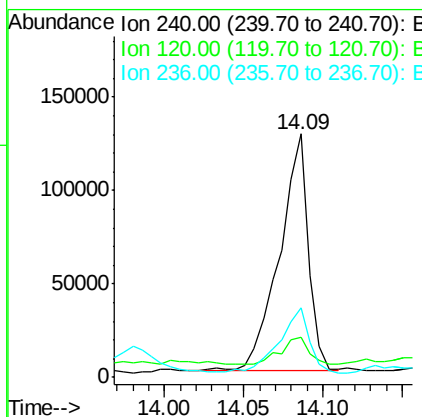
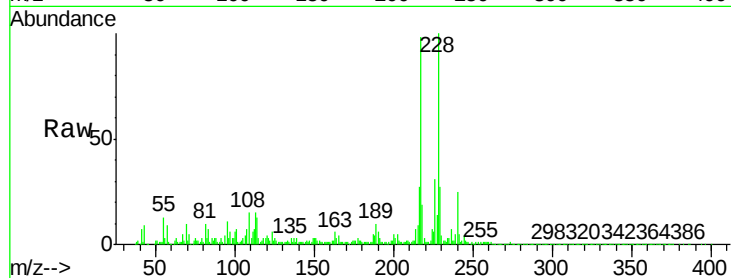
ClientSampleId :

CB-3-LINE-NW@3

Tgt Ion:	240	Resp:	161192
Ion Ratio	Lower	Upper	
240	100		
120	16.2	9.5	14.3#
236	28.4	20.7	31.1

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#77

Pyrene

Concen: 385.723 ng

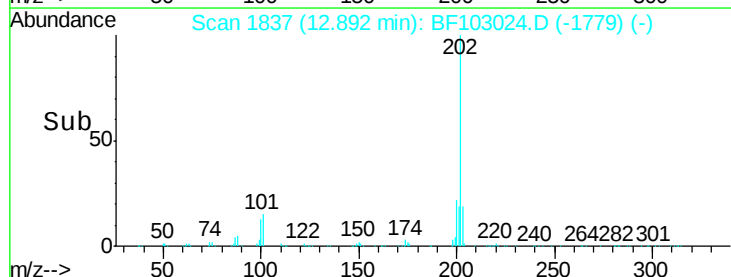
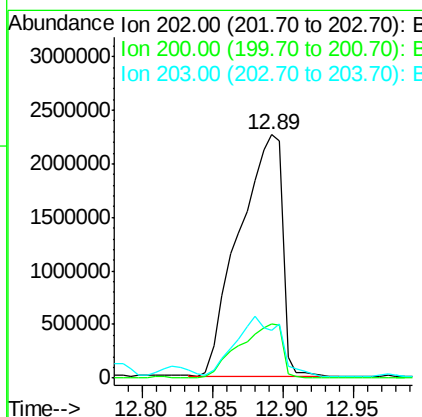
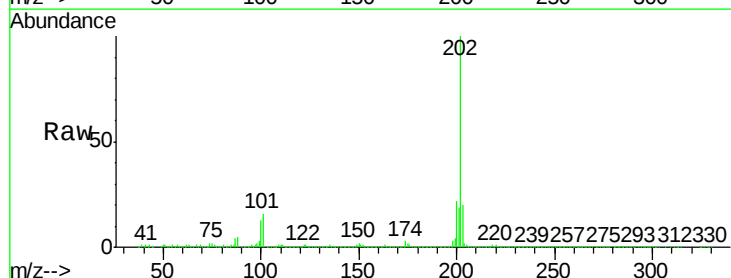
RT: 12.89 min Scan# 1837

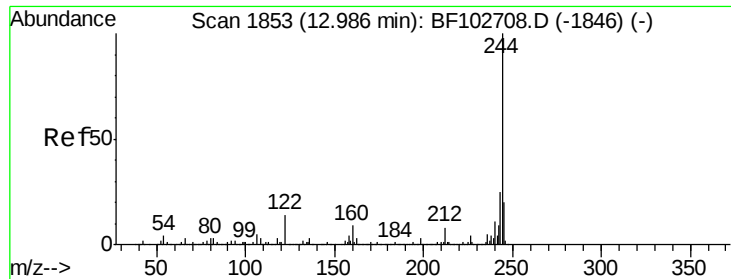
Delta R.T. 0.04 min

Lab File: BF103024.D

Acq: 15 Feb 2018 18:16

Tgt Ion:	202	Resp:	4875527
Ion Ratio	Lower	Upper	
202	100		
200	22.3	17.4	26.2
203	19.8	14.3	21.5





#78

Terphenyl-d14

Concen: 126.041 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.01 min

Lab File: BF103024.D

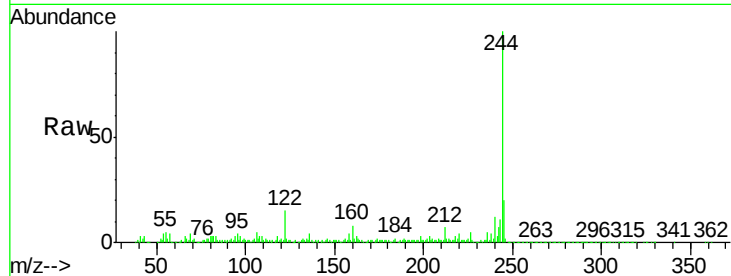
Acq: 15 Feb 2018 18:16

Instrument :

BNA_F

ClientSampleId :

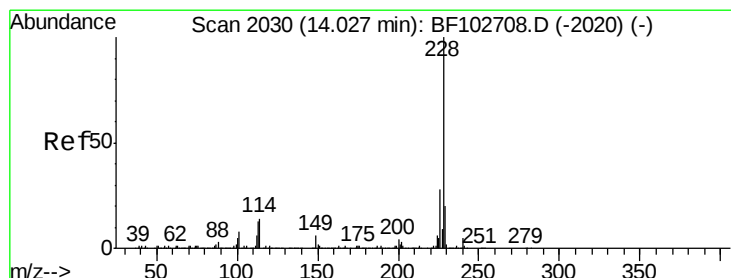
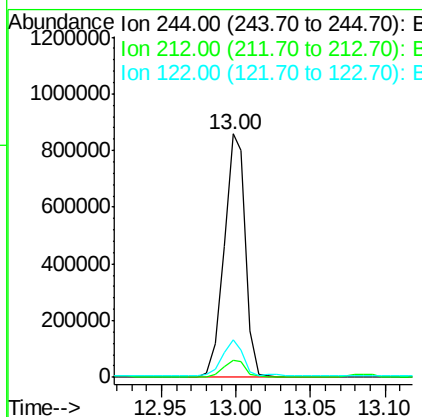
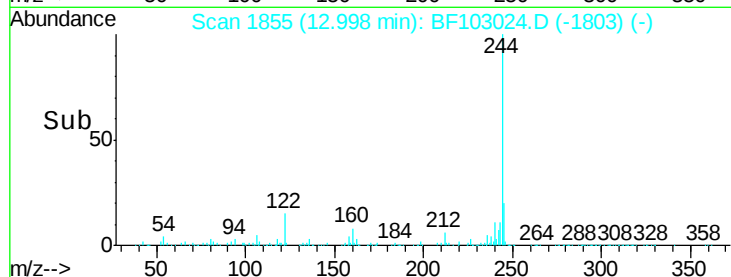
CB-3-LINE-NW@3



Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	15.2	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 292.316 ng

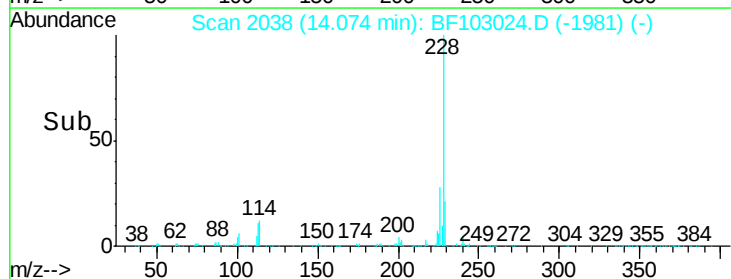
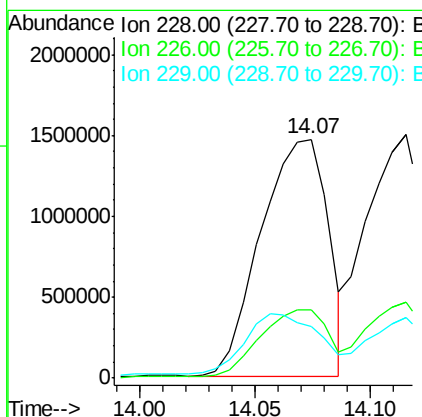
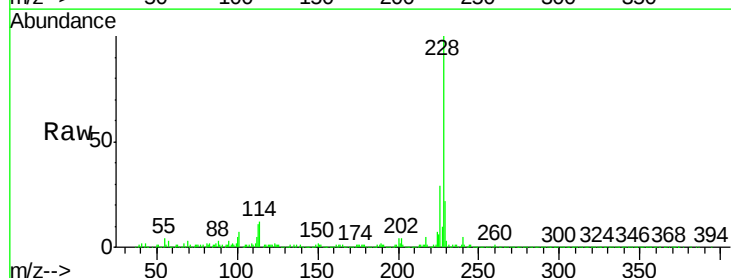
RT: 14.07 min Scan# 2038

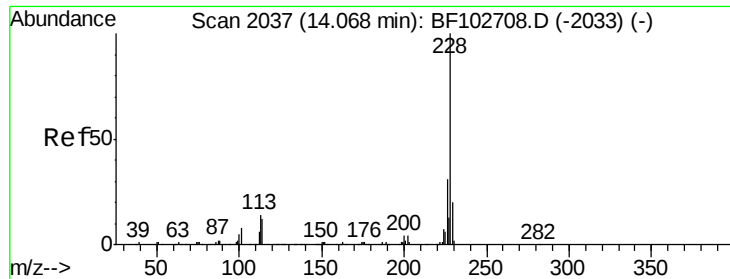
Delta R.T. 0.04 min

Lab File: BF103024.D

Acq: 15 Feb 2018 18:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	21.7	15.8	23.6





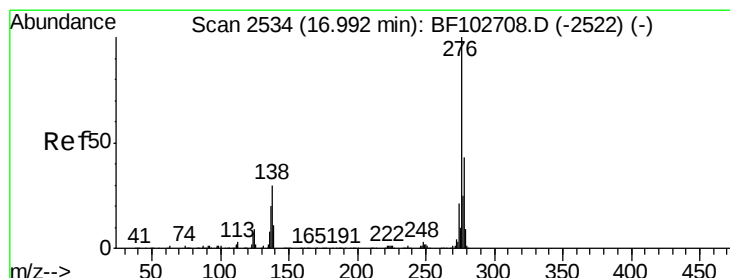
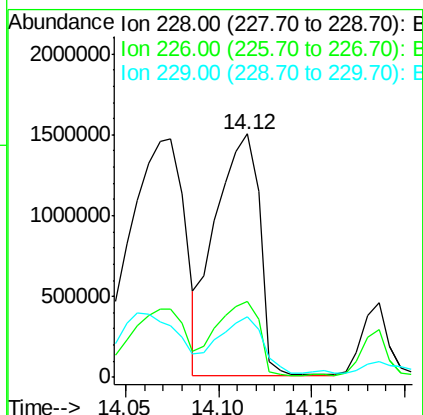
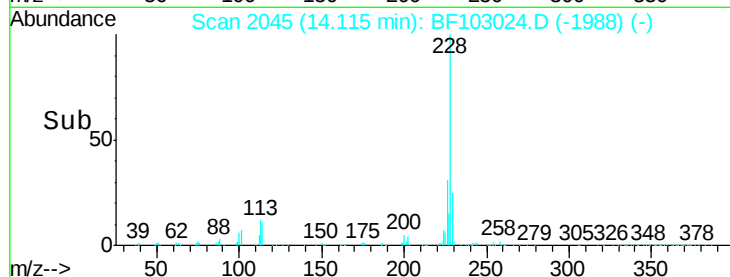
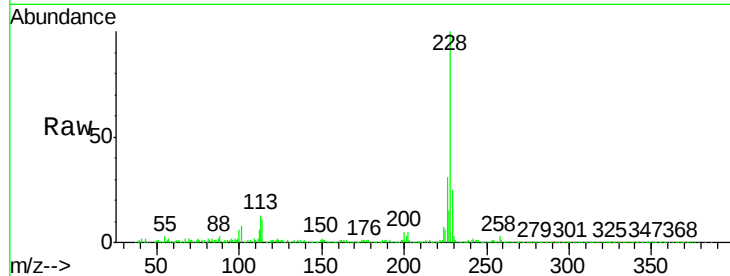
#82
Chrysene
Concen: 239.940 ng m
RT: 14.12 min Scan# 2045
Delta R.T. 0.04 min
Lab File: BF103024.D
Acq: 15 Feb 2018 18:16

Instrument :
BNA_F
ClientSampleId :
CB-3-LINE-NW@3

Tgt Ion:228 Resp: 2451961
Ion Ratio Lower Upper
228 100
226 31.0 25.0 37.6
229 25.1 16.2 24.4#

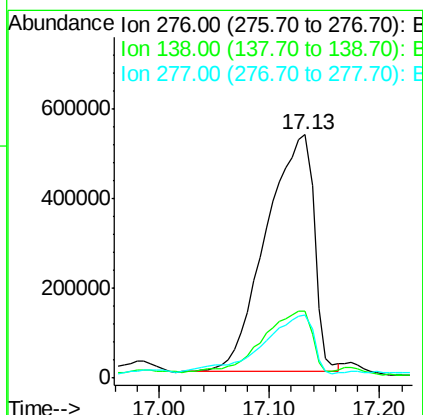
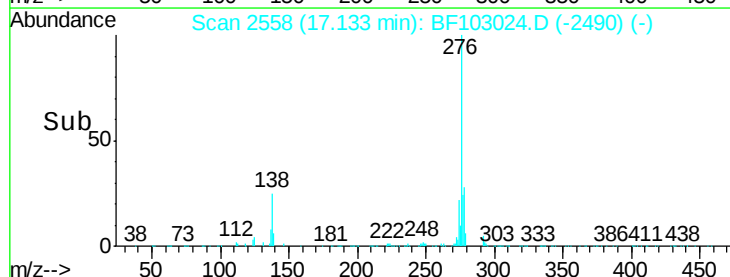
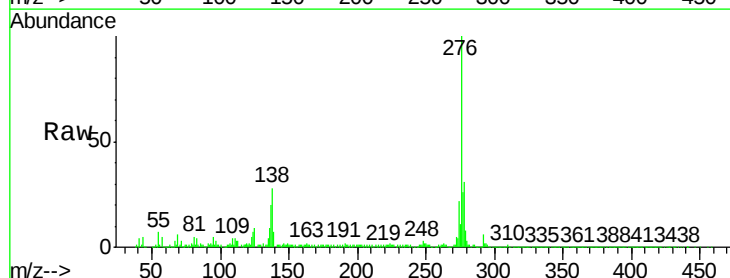
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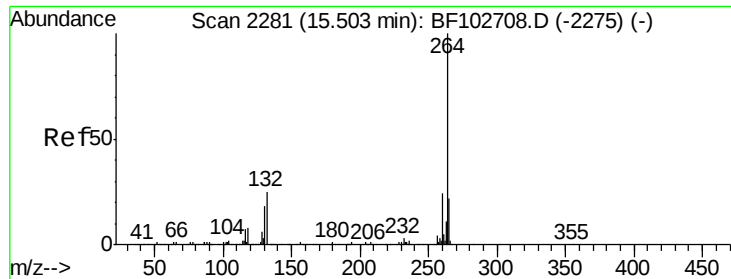
Sohil
2/16/2018 2:31:17 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 187.779 ng
RT: 17.13 min Scan# 2558
Delta R.T. 0.10 min
Lab File: BF103024.D
Acq: 15 Feb 2018 18:16

Tgt Ion:276 Resp: 1591519
Ion Ratio Lower Upper
276 100
138 26.1 25.0 37.6
277 26.5 20.1 30.1





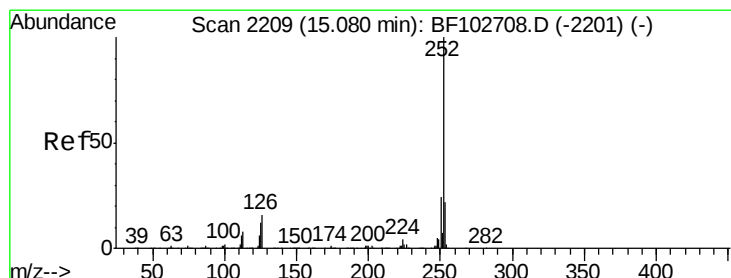
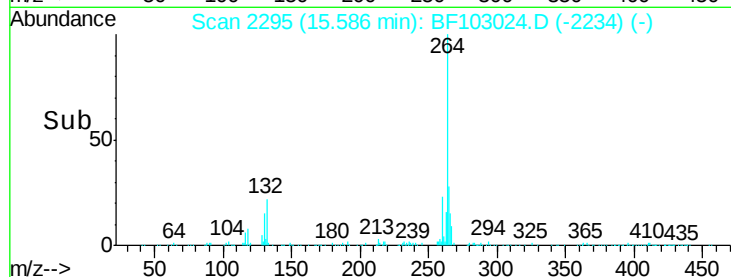
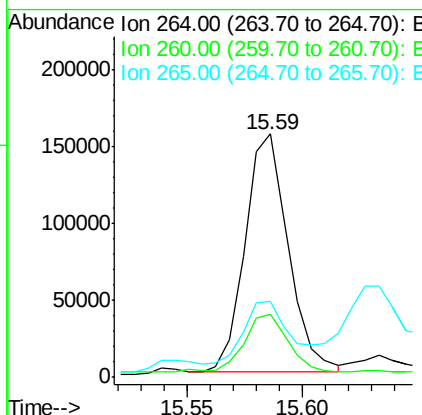
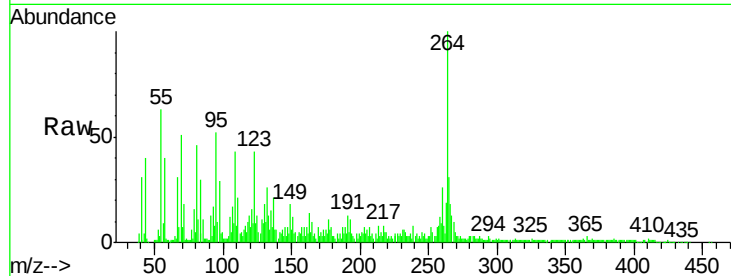
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.59 min Scan# 2295
Delta R.T. 0.06 min
Lab File: BF103024.D
Acq: 15 Feb 2018 18:16

Instrument :
BNA_F
ClientSampleId :
CB-3-LINE-NW@3

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.1	19.2	28.8
265	31.3	17.5	26.3

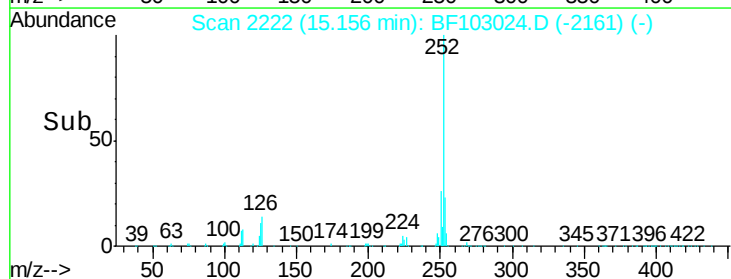
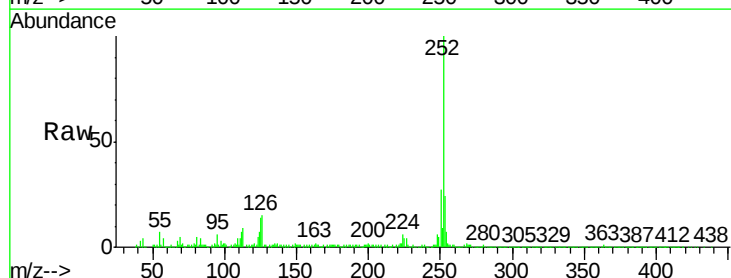
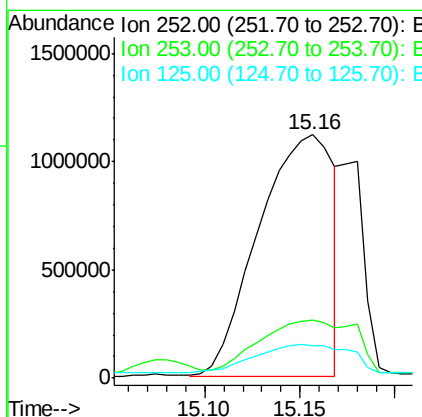
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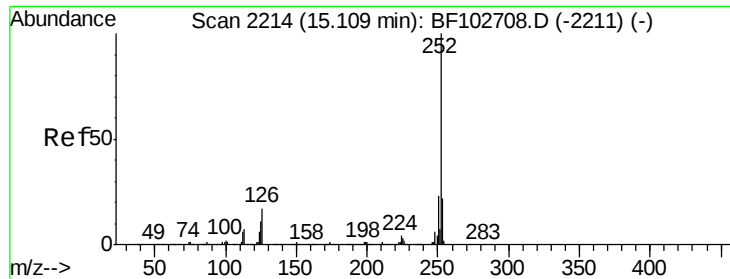
Sohil
2/16/2018 2:31:17 PM



#87
Benzo(b)fluoranthene
Concen: 234.005 ng m
RT: 15.16 min Scan# 2222
Delta R.T. 0.06 min
Lab File: BF103024.D
Acq: 15 Feb 2018 18:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.6
125	13.6	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 67.230 ng m

RT: 15.18 min Scan# 2226

Delta R.T. 0.05 min

Lab File: BF103024.D

Acq: 15 Feb 2018 18:16

Instrument :

BNA_F

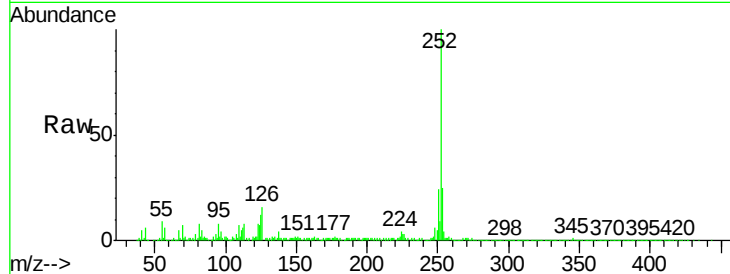
ClientSampleId :

CB-3-LINE-NW@3

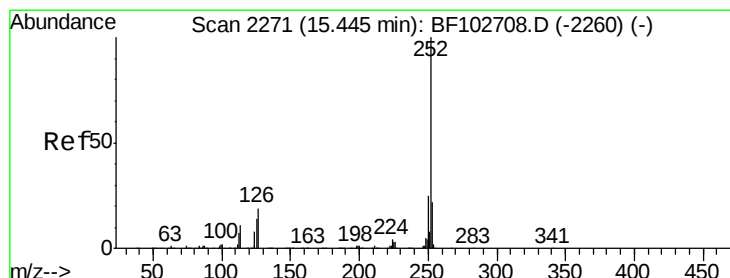
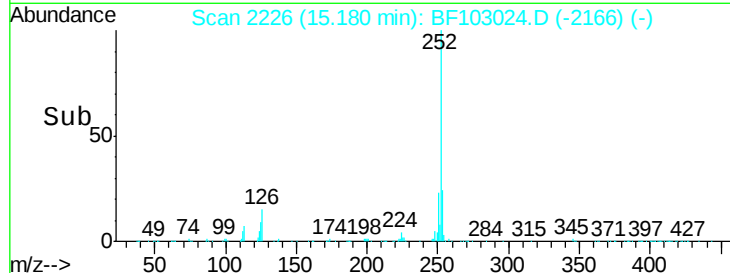
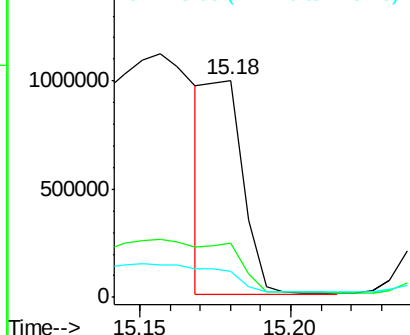
Tgt Ion:	252	Resp:	837570
Ion Ratio	Lower	Upper	
252	100		
253	25.2	17.9	26.9
125	11.9	10.2	15.2

Manual Integrations
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Sohil
2/16/2018 2:31:17 PM



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 175.383 ng

RT: 15.54 min Scan# 2288

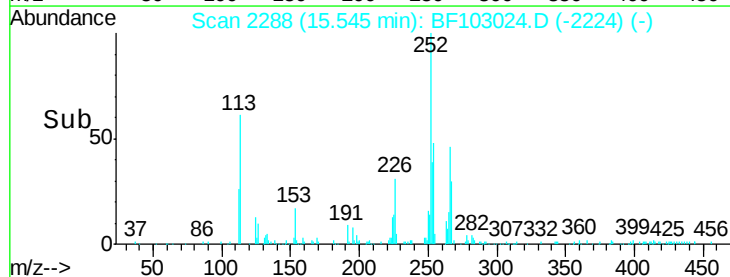
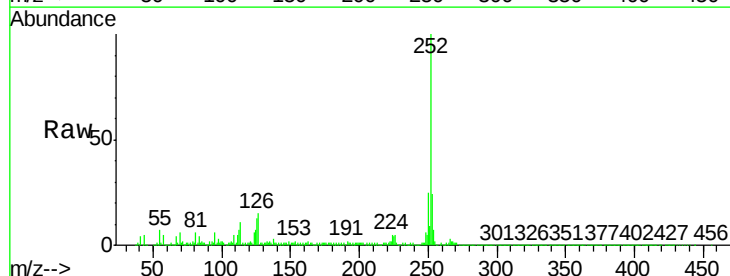
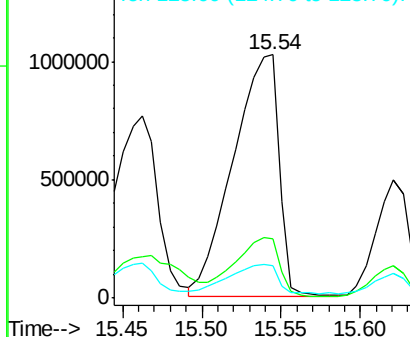
Delta R.T. 0.08 min

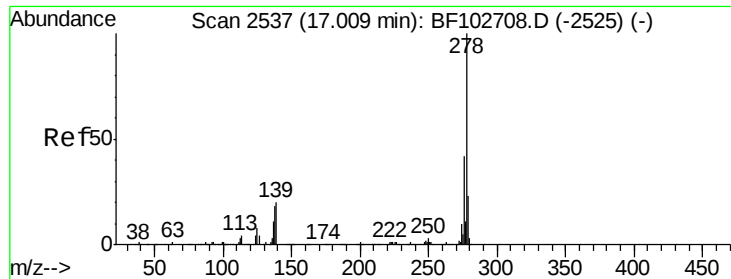
Lab File: BF103024.D

Acq: 15 Feb 2018 18:16

Tgt Ion:	252	Resp:	2058367
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.1	25.7
125	13.1	9.8	14.6

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





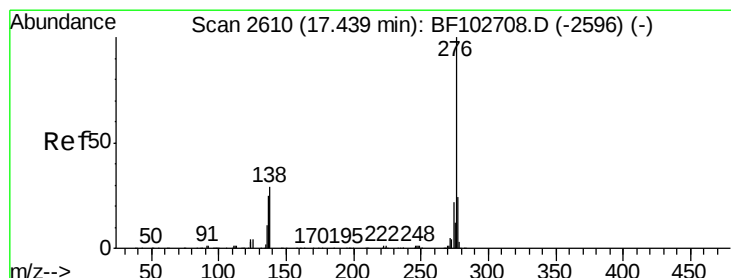
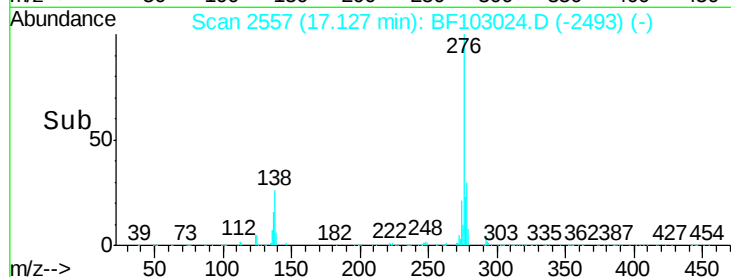
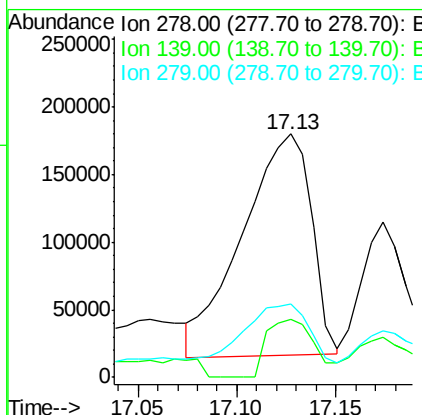
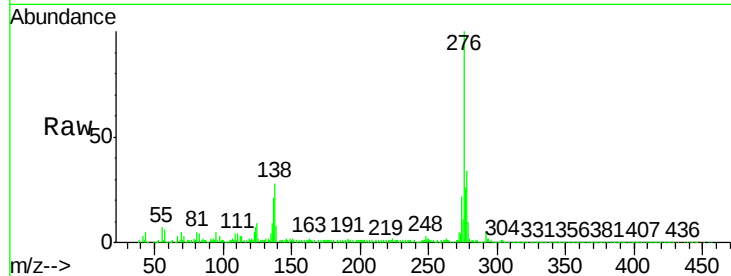
#90
Dibenzo(a,h)anthracene
Concen: 41.760 ng m
RT: 17.13 min Scan# 2557
Delta R.T. 0.08 min
Lab File: BF103024.D
Acq: 15 Feb 2018 18:16

Instrument :
BNA_F
ClientSampleId :
CB-3-LINE-NW@3

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.6	15.9	23.9
279	30.0	19.0	28.4

Manual Integrations
APPROVED

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2/16/2018 2:31:17 PM



#91
Benzo(g,h,i)perylene
Concen: 167.647 ng
RT: 17.59 min Scan# 2636
Delta R.T. 0.10 min
Lab File: BF103024.D
Acq: 15 Feb 2018 18:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	17.9	26.9
138	28.3	21.8	32.8

