

Data Path : U:\HPCHEM1\BNA F\DATA\BF010518\
 Data File : BF101926.D
 Acq On : 5 Jan 2018 13:40
 Operator : SJ/JU
 Sample : J1004-14
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-14-COMP

Manual Integrations
 APPROVED

Quant Time: Jan 05 15:16:17 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 05 12:29:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	133772	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	521198	20.00	ng	0.00
38) Acenaphthene-d10	9.81	164	195739	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	291794	20.00	ng	0.00
75) Chrysene-d12	13.96	240	258764	20.00	ng	0.00
86) Perylene-d12	15.43	264	216047	20.00	ng	0.00

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System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	980002	109.13	ng	0.00
7) Phenol-d6	6.43	99	1181997	105.76	ng	0.00
23) Nitrobenzene-d5	7.35	82	735150	78.52	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	142054	75.32	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	899072	71.25	ng	0.00
78) Terphenyl-d14	12.89	244	566858	52.81	ng	0.00

1/8/2018 4:21:45 PM

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	9.53	163	97865	6.216	ng	99
70) Phenanthrene	11.33	178	181972	11.214	ng	99
71) Anthracene	11.39	178	42299	2.552	ng	95
74) Fluoranthene	12.53	202	270651	15.890	ng	98
77) Pyrene	12.76	202	269510	13.878	ng	98
80) Benzo(a)anthracene	13.95	228	151083	8.842	ng	96
82) Chrysene	13.99	228	134397	8.331	ng	99
85) Indeno(1,2,3-cd)pyrene	16.94	276	50378	3.507	ng	92
87) Benzo(b)fluoranthene	15.01	252	148723m	11.294	ng	
88) Benzo(k)fluoranthene	15.03	252	35049m	2.737	ng	
89) Benzo(a)pyrene	15.38	252	98784	8.137	ng	# 95
91) Benzo(a,h,i)perylene	17.40	276	45497	4.408	ng	# 89

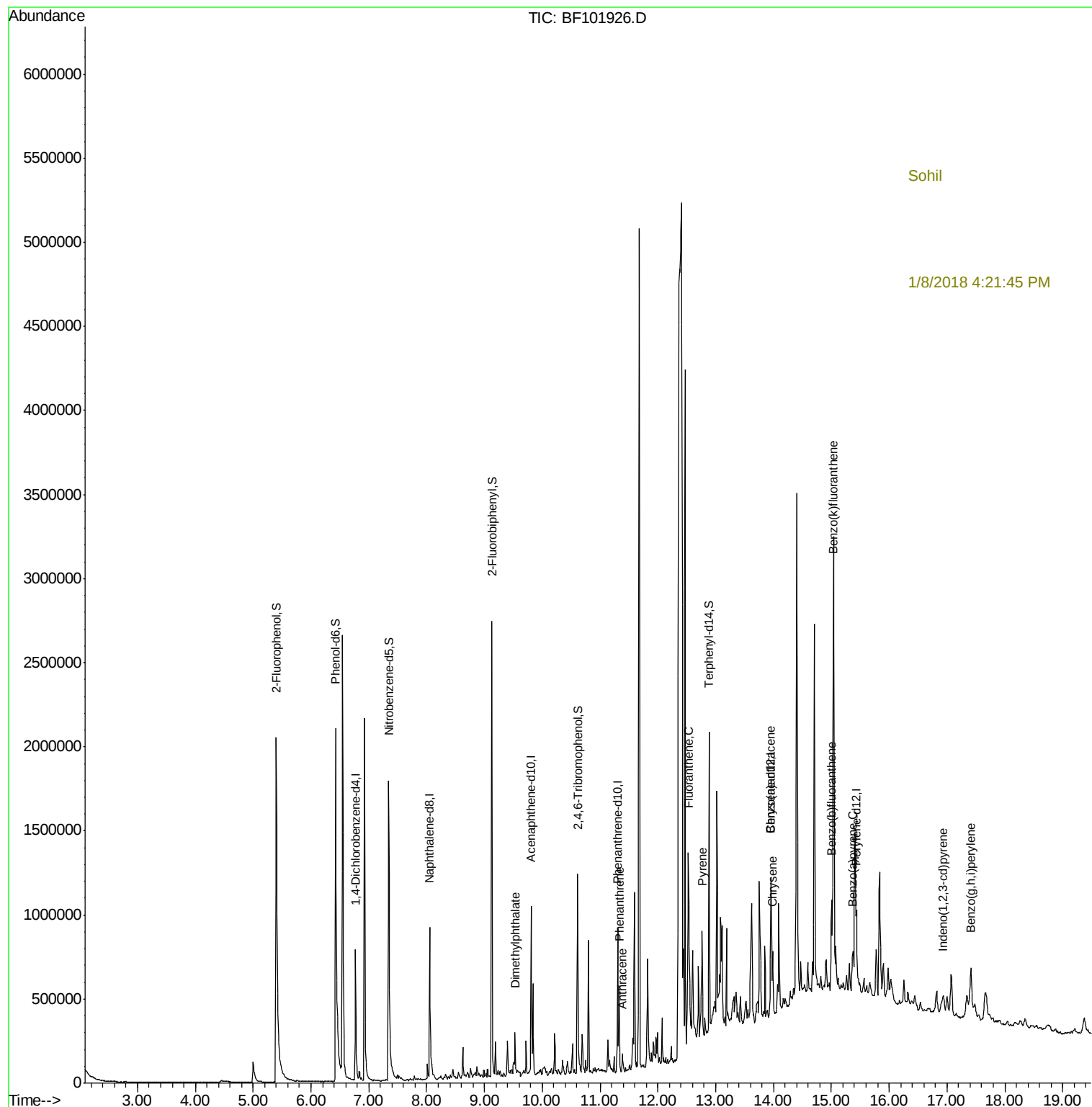
(#) = qualifier out of range (m) = manual integration (+) = signals summed

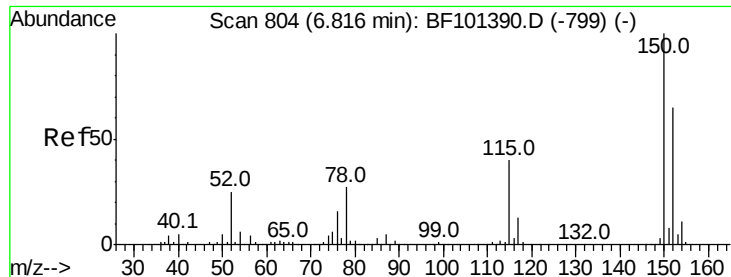
Data Path : U:\HPCHEM1\BNA F\DATA\BF010518\
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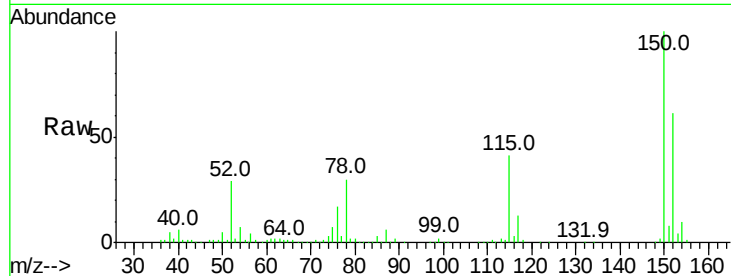
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.00 min
Lab File: BF101926.D
Acq: 5 Jan 2018 13:40

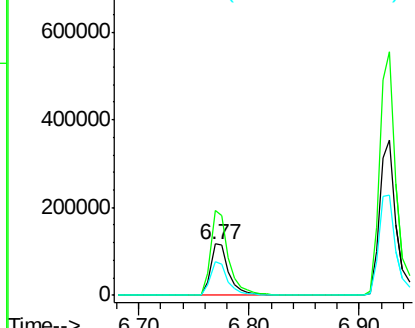
Instrument :
BNA_F
ClientSampleId :
SB-14-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	164.4	124.6	186.8
115	66.7	50.1	75.1

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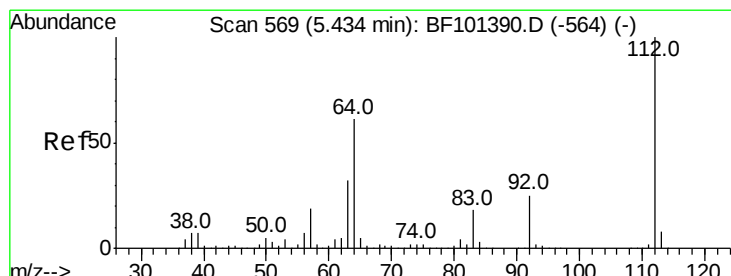
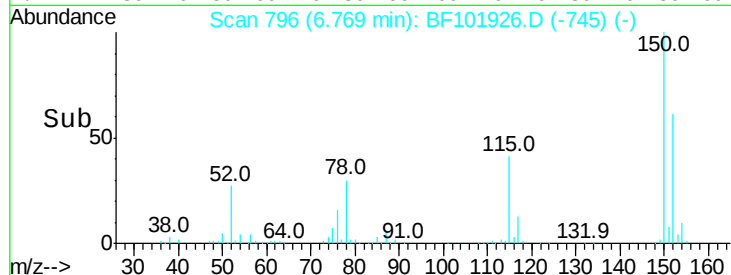


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



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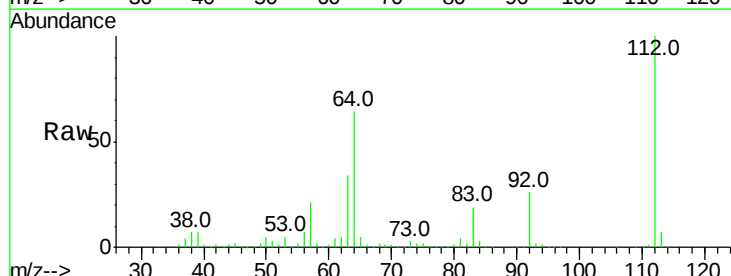
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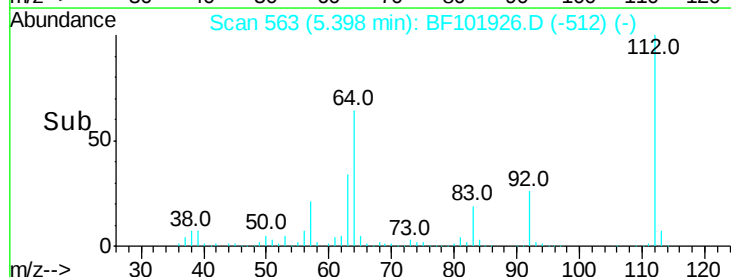
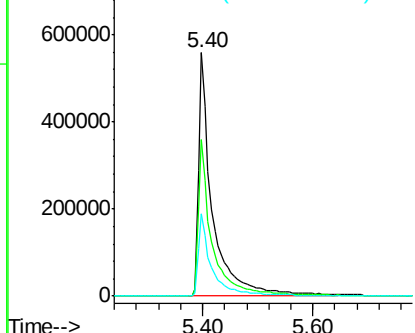
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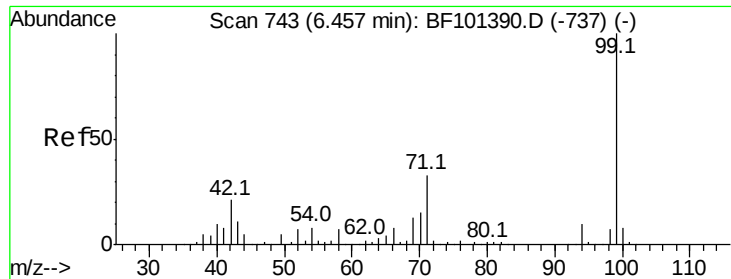
2-Fluorophenol
Concen: 109.125 ng
RT: 5.40 min Scan# 563
Delta R.T. -0.00 min
Lab File: BF101926.D
Acq: 5 Jan 2018 13:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.4	47.9	71.9
63	33.7	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: 105.756 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.00 min

Lab File: BF101926.D

Acq: 5 Jan 2018 13:40

Instrument :

BNA_F

ClientSampled :

SB-14-COMP

Tot Ion: 99 Resp: 1181997

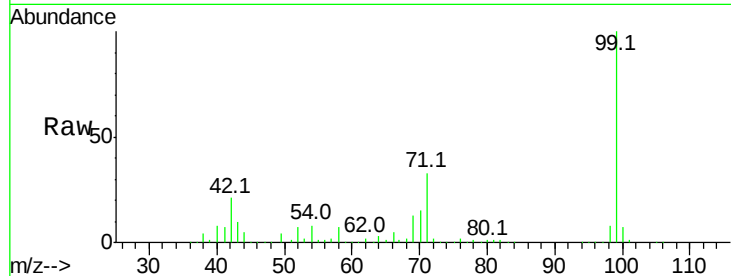
Ion Ratio Lower Upper

99 100

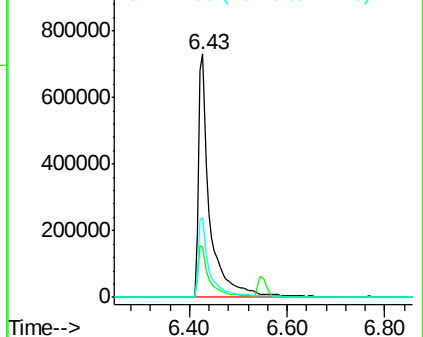
42 20.7 14.5 21.7

71 32.5 25.4 38.0

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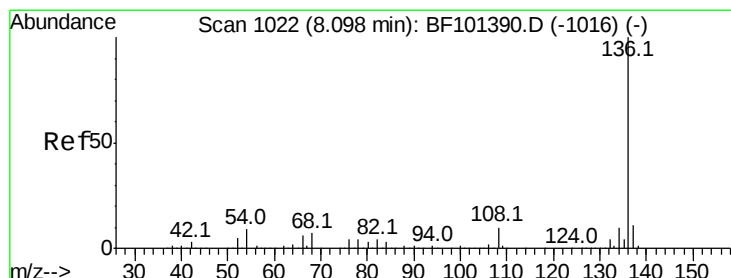
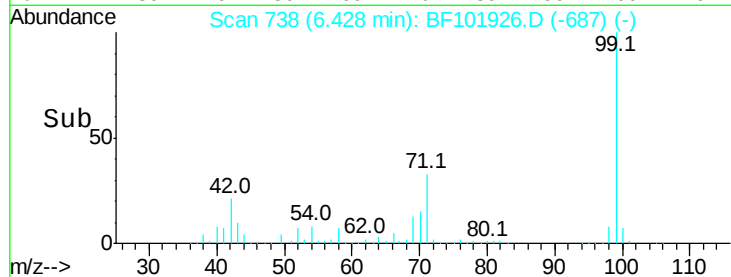


Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



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1/8/2018 4:21:45 PM



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1015

Delta R.T. 0.01 min

Lab File: BF101926.D

Acq: 5 Jan 2018 13:40

Tgt Ion: 136 Resp: 521198

Ion Ratio Lower Upper

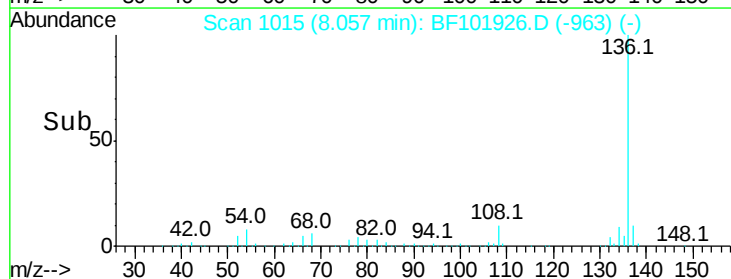
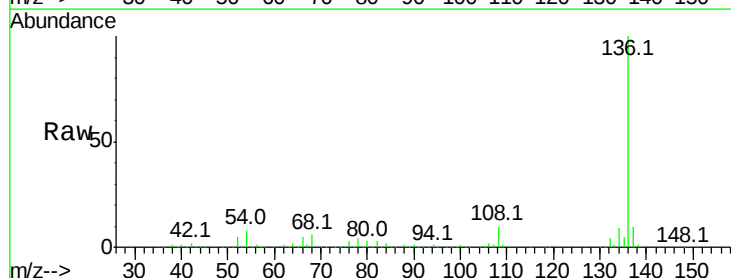
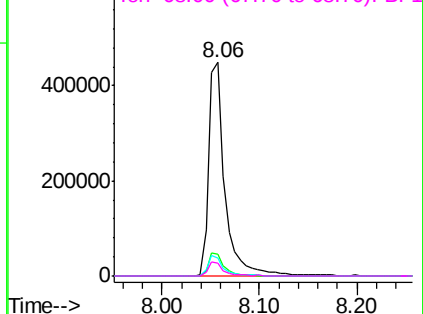
136 100

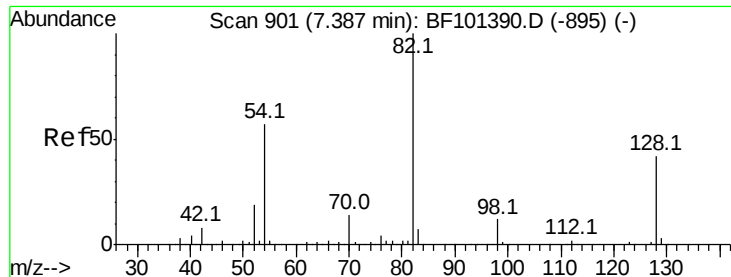
137 10.1 8.9 13.3

54 8.2 6.6 9.8

68 6.3 5.0 7.4

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1



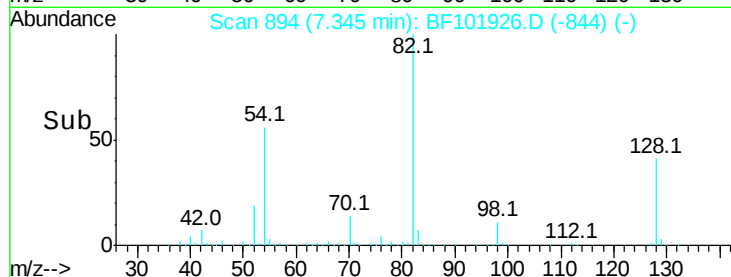
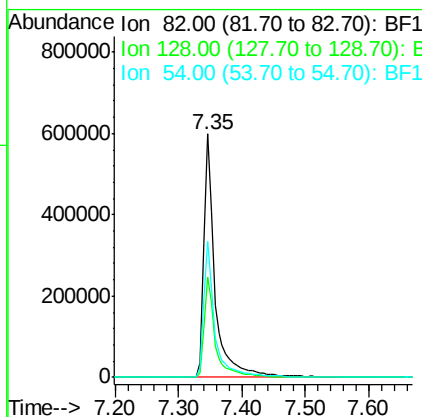
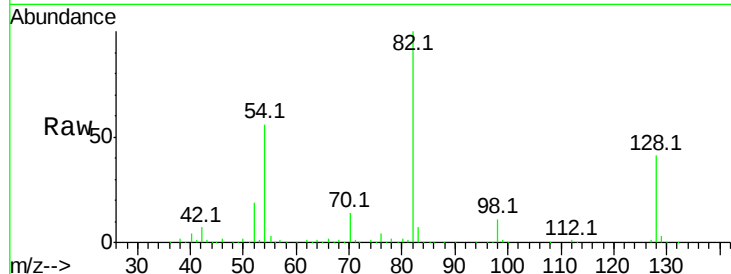


#23
Nitrobenzene-d5
Concen: 78.517 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF101926.D
Acq: 5 Jan 2018 13:40

Instrument :
BNA_F
ClientSampleId :
SB-14-COMP

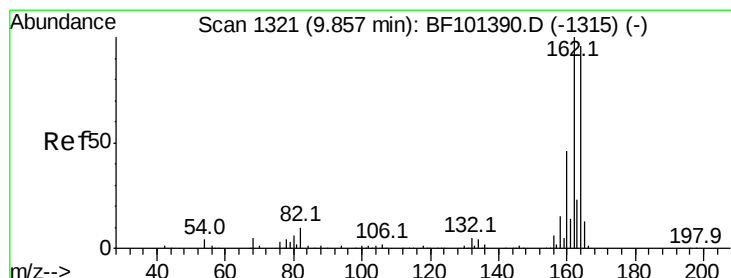
Tot Ion	Ratio	Lower	Upper
82	100		
128	41.3	36.1	54.1
54	55.8	41.4	62.2

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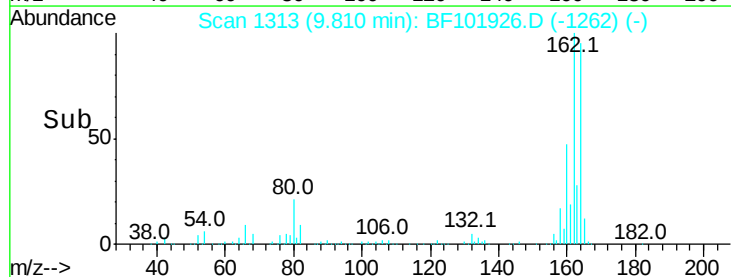
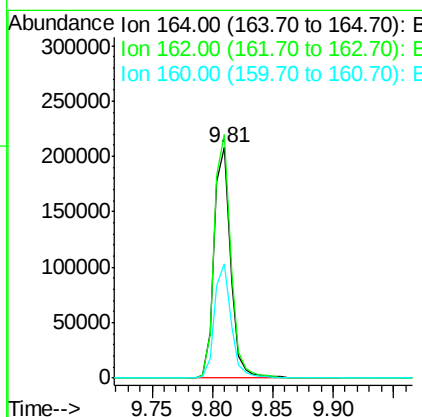
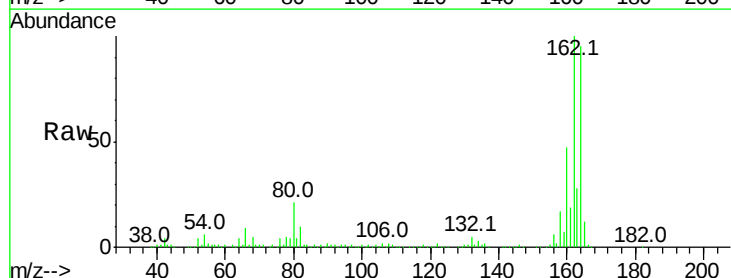
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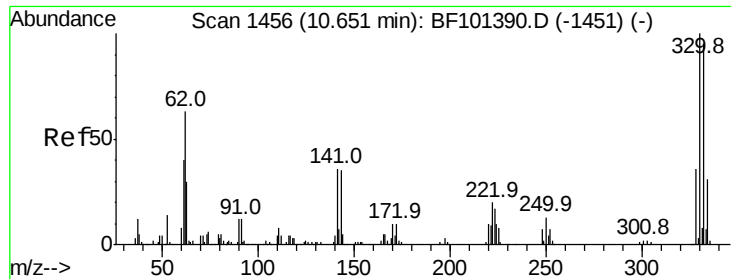
1/8/2018 4:21:45 PM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.00 min
Lab File: BF101926.D
Acq: 5 Jan 2018 13:40

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.7	86.1	129.1
160	49.7	38.3	57.5



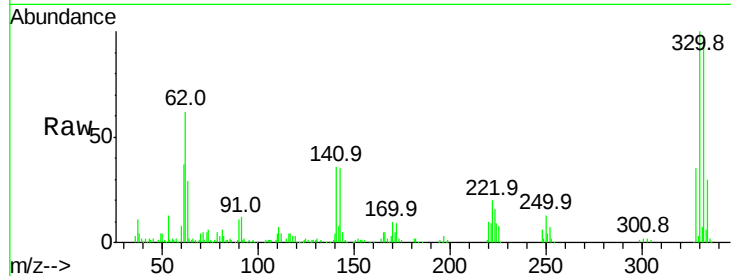


#41
 2,4,6-Tribromophenol
 Concen: 75.316 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. -0.00 min
 Lab File: BF101926.D
 Acq: 5 Jan 2018 13:40

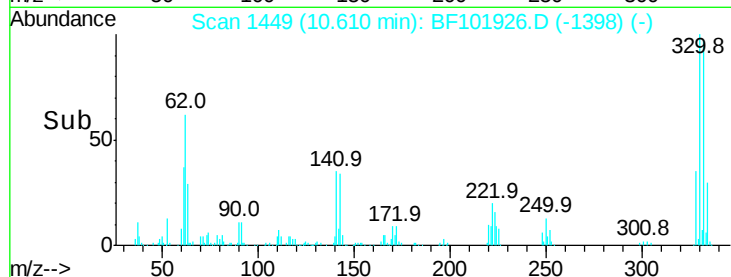
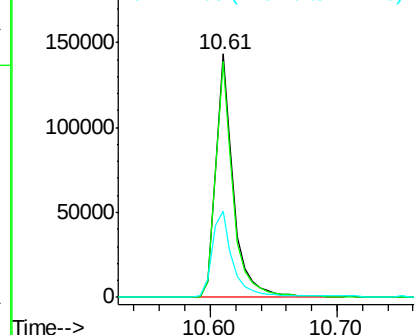
Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	41.3	29.9	44.9

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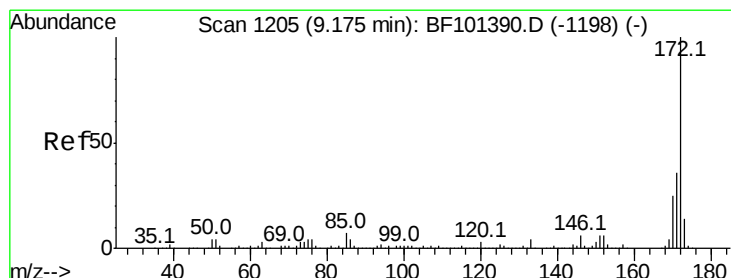


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E



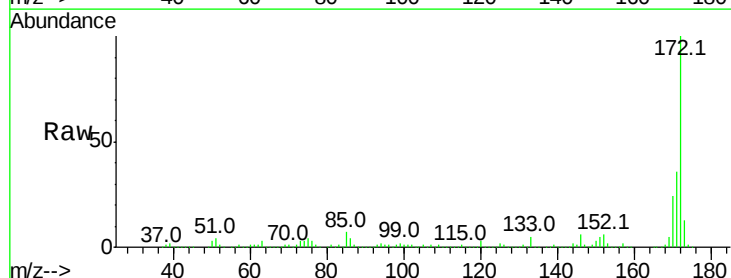
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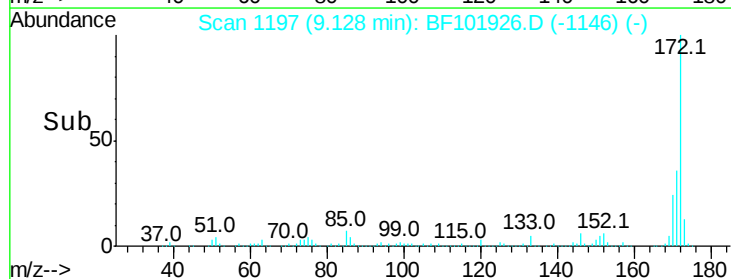
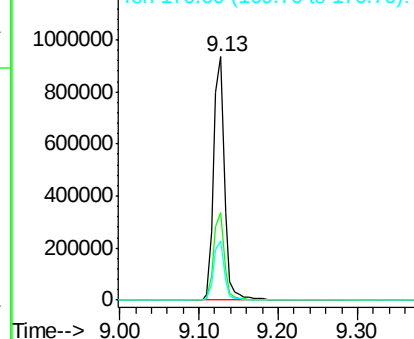


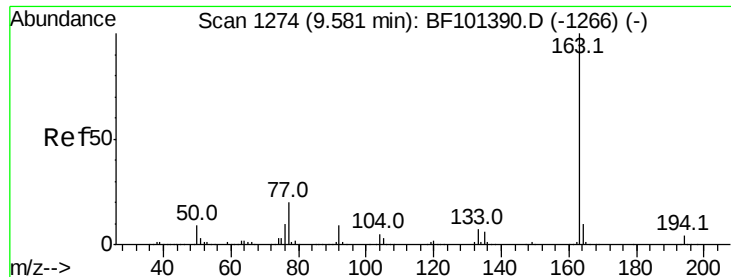
#44
 2-Fluorobiphenyl
 Concen: 71.252 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.00 min
 Lab File: BF101926.D
 Acq: 5 Jan 2018 13:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.5	19.6	29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



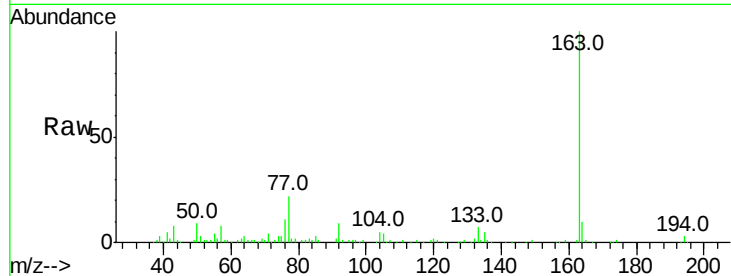


#49
Dimethylphthalate
Concen: 6.216 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.01 min
Lab File: BF101926.D
Acq: 5 Jan 2018 13:40

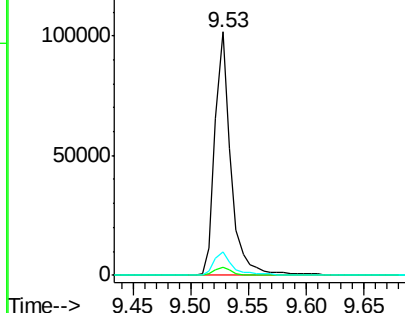
Instrument :
BNA_F
ClientSampleId :
SB-14-COMP

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.3	2.7	4.1	
164	9.7	8.2	12.2	

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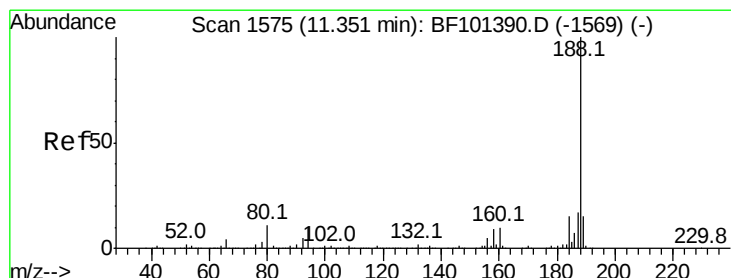
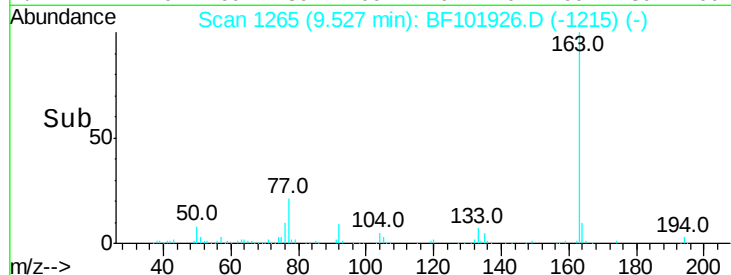


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



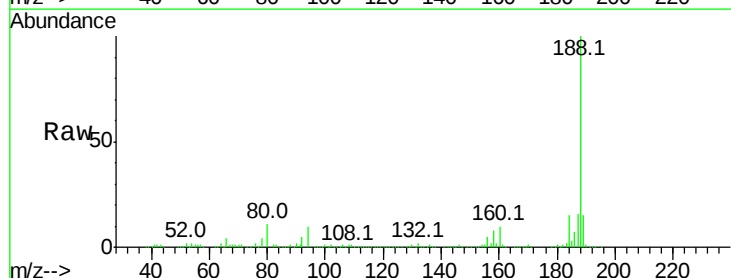
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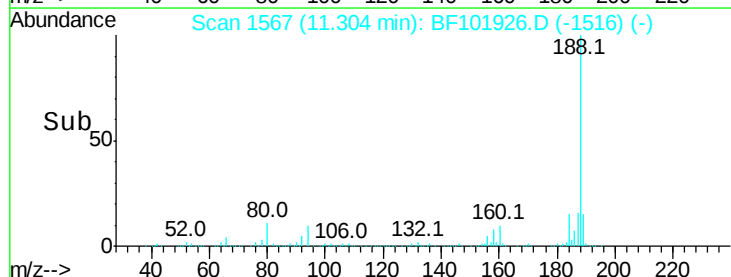
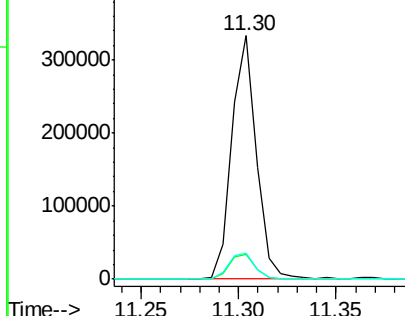


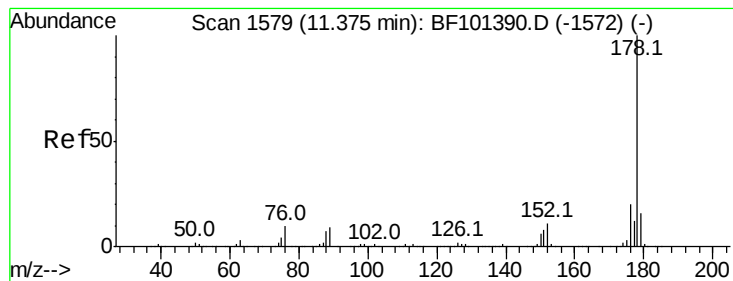
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1567
Delta R.T. -0.00 min
Lab File: BF101926.D
Acq: 5 Jan 2018 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	10.1	8.5	12.7	
80	10.9	9.2	13.8	



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 11.214 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BF101926.D

Acq: 5 Jan 2018 13:40

Instrument :

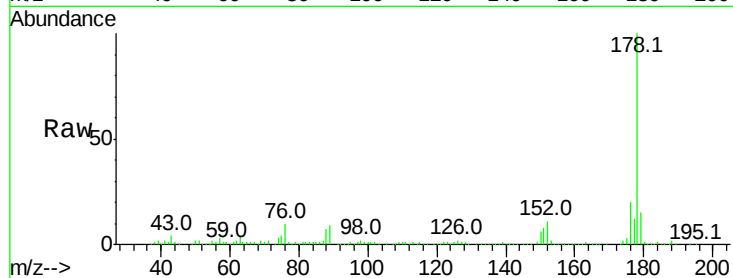
BNA_F

ClientSampleId :

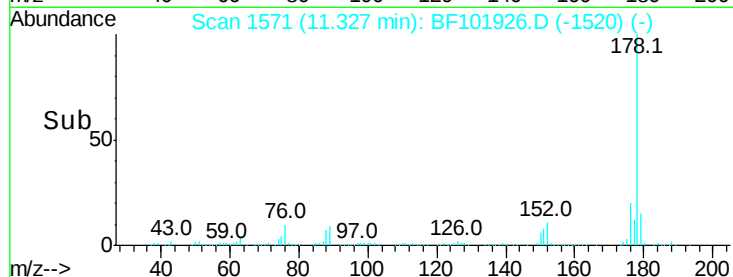
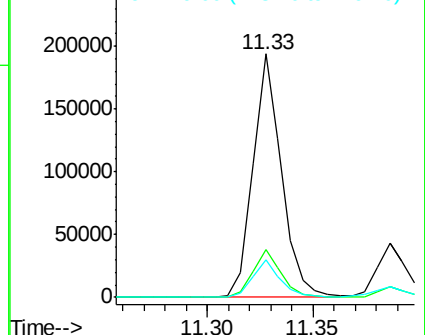
SB-14-COMP

Tot Ion:178	Resp:	181972
Ion Ratio	Lower	Upper
178	100	
176	19.9	15.8 23.8
179	15.5	13.0 19.6

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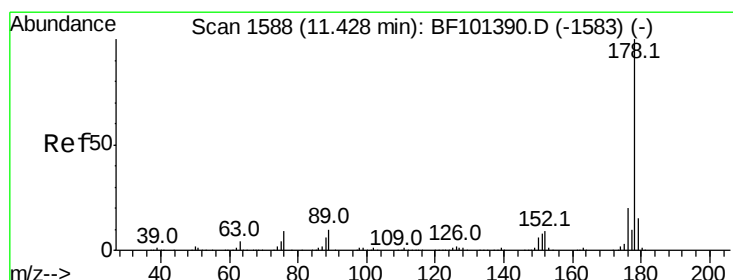


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



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1/8/2018 4:21:45 PM



#71

Anthracene

Concen: 2.552 ng

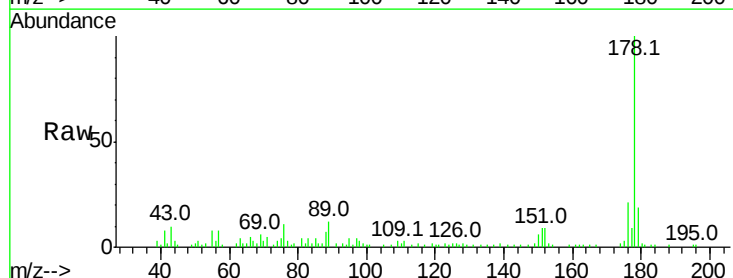
RT: 11.39 min Scan# 1581

Delta R.T. 0.01 min

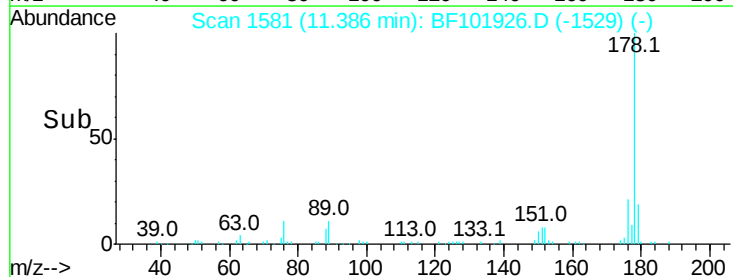
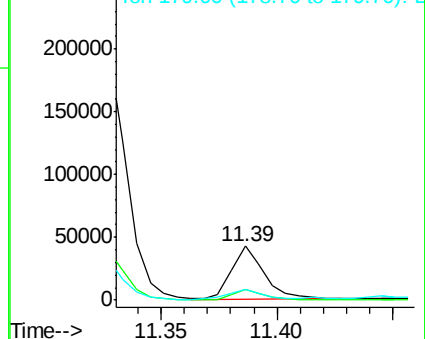
Lab File: BF101926.D

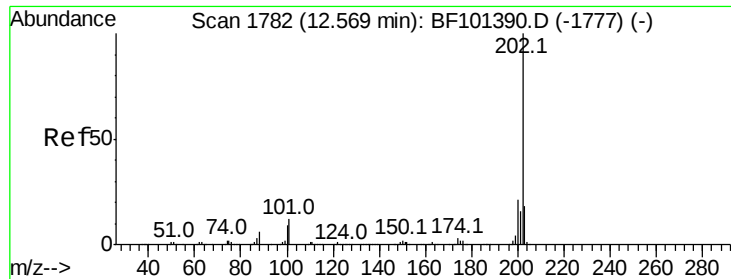
Acq: 5 Jan 2018 13:40

Tgt Ion:178	Resp:	42299
Ion Ratio	Lower	Upper
178	100	
176	20.5	15.4 23.2
179	18.7	12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 15.890 ng

RT: 12.53 min Scan# 1775

Delta R.T. 0.01 min

Lab File: BF101926.D

Acq: 5 Jan 2018 13:40

Instrument :

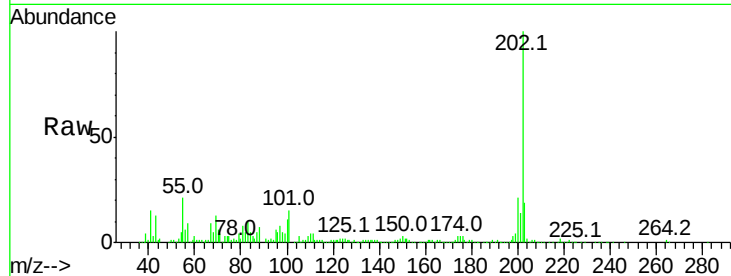
BNA_F

ClientSampled :

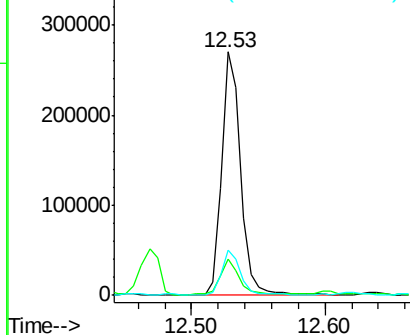
SB-14-COMP

Tot Ion:	202	Resp:	270651
Ion Ratio		Lower	Upper
202	100		
101	15.0	0.0	34.1
203	18.8	0.0	38.1

Manual Integrations
APPROVED

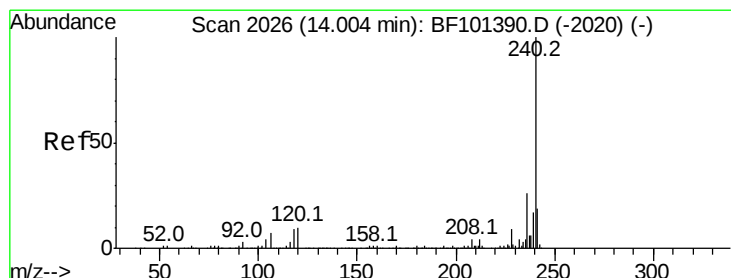
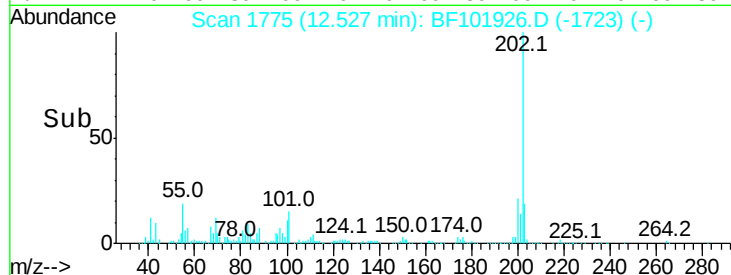


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



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1/8/2018 4:21:45 PM



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

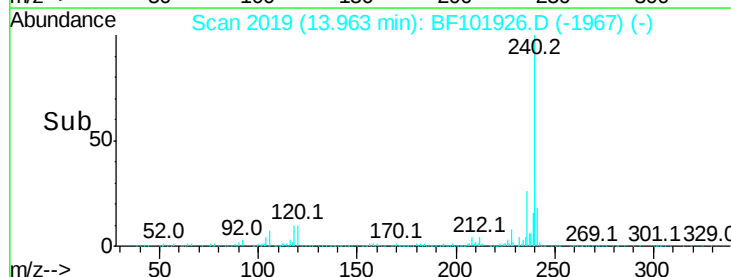
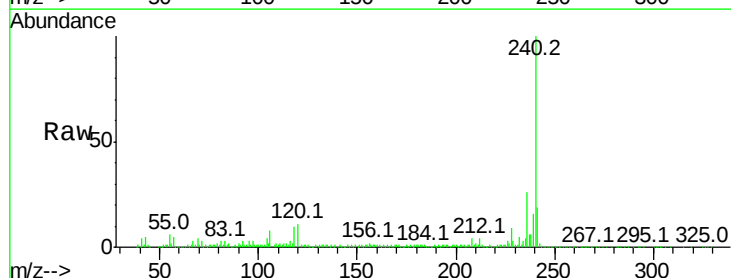
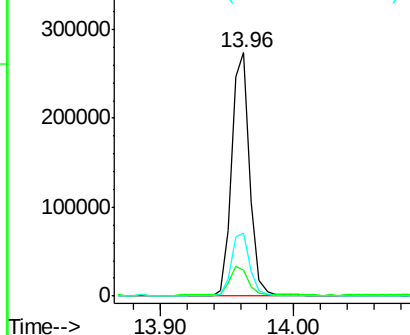
Delta R.T. 0.01 min

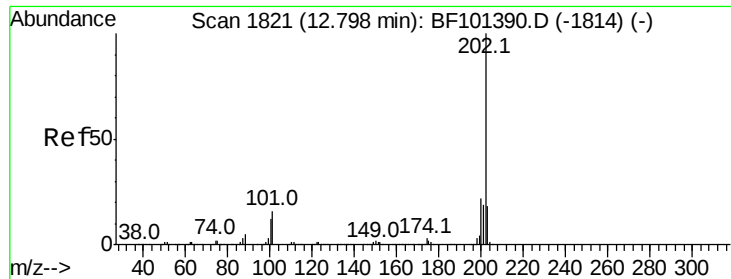
Lab File: BF101926.D

Acq: 5 Jan 2018 13:40

Tgt Ion:	240	Resp:	258764
Ion Ratio		Lower	Upper
240	100		
120	10.7	9.5	14.3
236	25.8	20.7	31.1

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 13.878 ng

RT: 12.76 min Scan# 1815

Delta R.T. 0.01 min

Lab File: BF101926.D

Acq: 5 Jan 2018 13:40

Instrument :

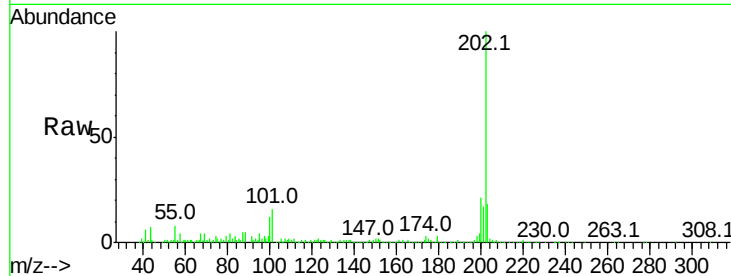
BNA_F

ClientSampleId :

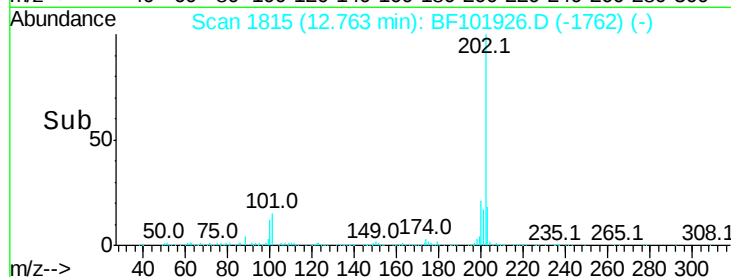
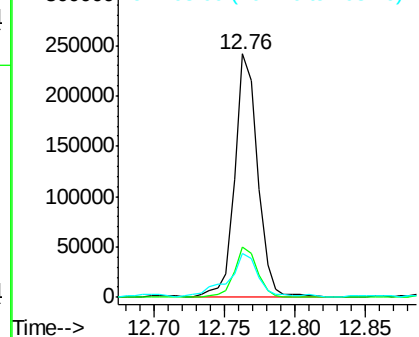
SB-14-COMP

Tot Ion:	202	Resp:	269510
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.4	26.2
203	18.2	14.3	21.5

Manual Integrations
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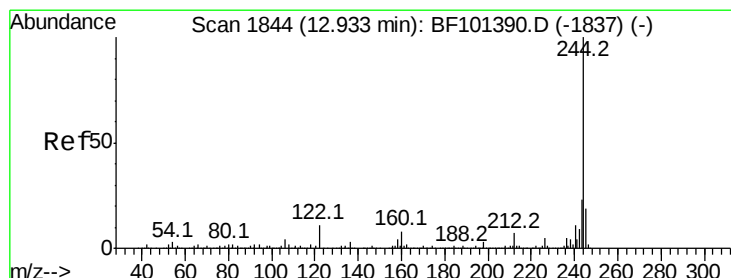


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



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1/8/2018 4:21:45 PM



#78

Terphenyl-d14

Concen: 52.811 ng

RT: 12.89 min Scan# 1836

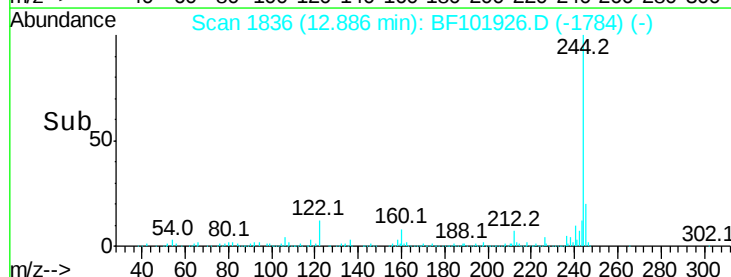
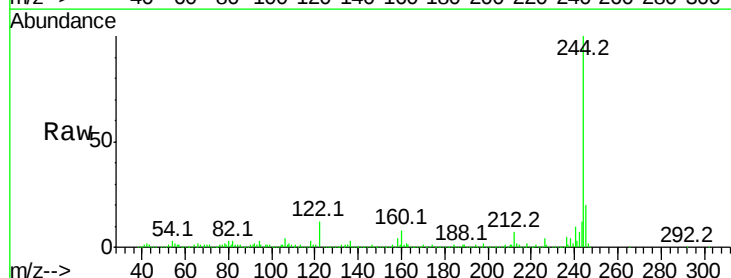
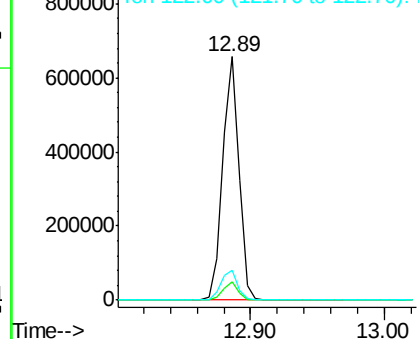
Delta R.T. 0.01 min

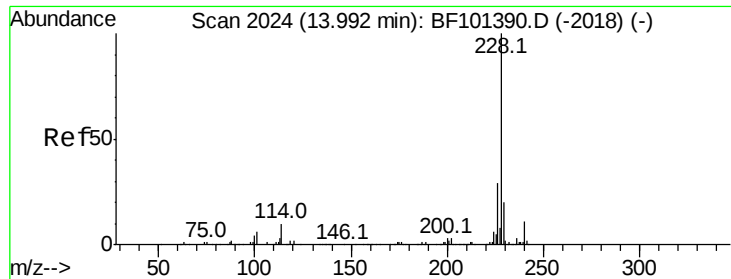
Lab File: BF101926.D

Acq: 5 Jan 2018 13:40

Tgt Ion:	244	Resp:	566858
Ion Ratio	Lower	Upper	
244	100		
212	7.3	5.4	8.0
122	12.1	11.0	16.4

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



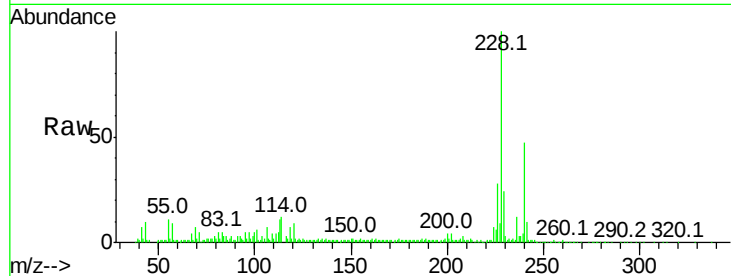


#80
Benzo(a)anthracene
Concen: 8.842 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.01 min
Lab File: BF101926.D
Acq: 5 Jan 2018 13:40

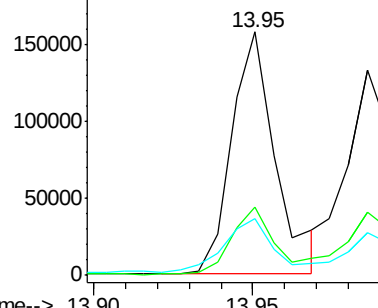
Instrument :
BNA_F
ClientSampleId :
SB-14-COMP

Tot Ion	Ratio	Resp	Lower	Upper
228	100	151083		
226	28.1	22.6	33.8	
229	23.5	15.8	23.6	

Manual Integrations
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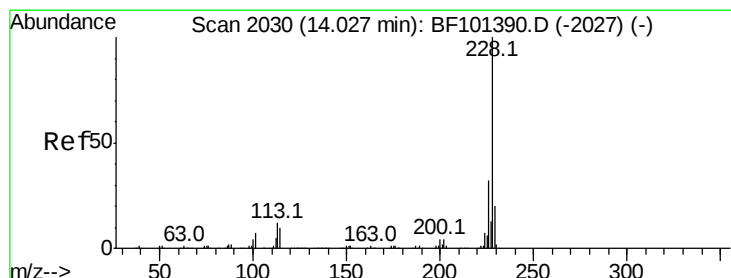
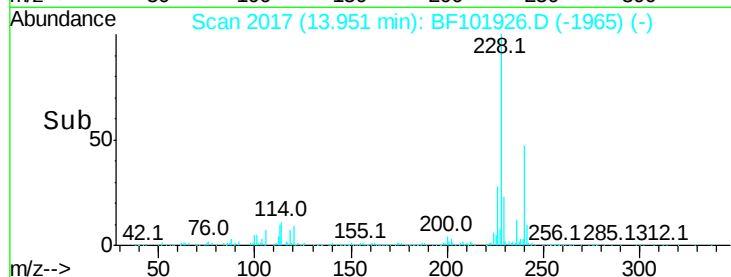


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



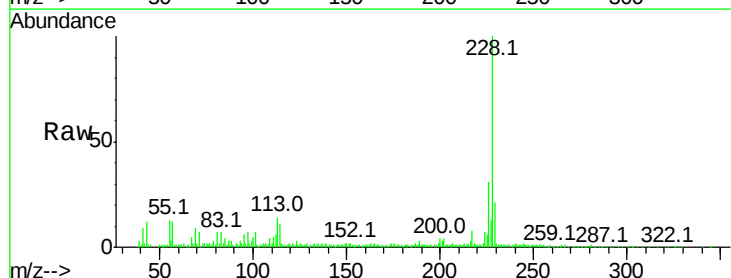
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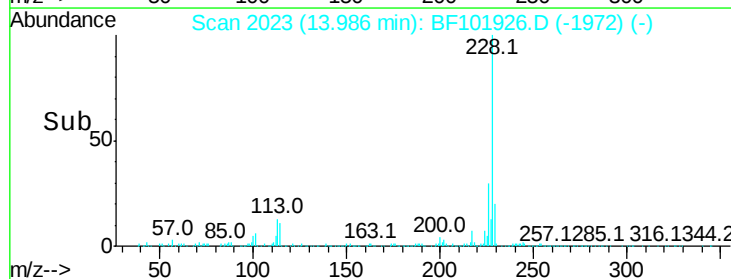
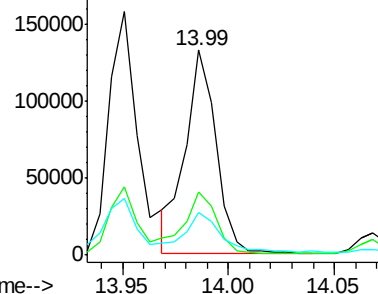


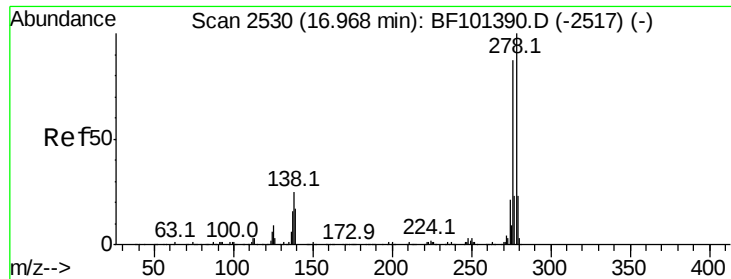
#82
Chrysene
Concen: 8.331 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.00 min
Lab File: BF101926.D
Acq: 5 Jan 2018 13:40

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	134397		
226	30.8	25.0	37.6	
229	20.8	16.2	24.4	



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



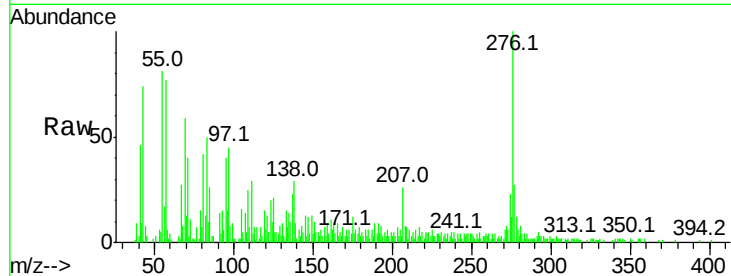


#85
Indeno(1,2,3-cd)pyrene
Concen: 3.507 ng
RT: 16.94 min Scan# 2525
Delta R.T. 0.03 min
Lab File: BF101926.D
Acq: 5 Jan 2018 13:40

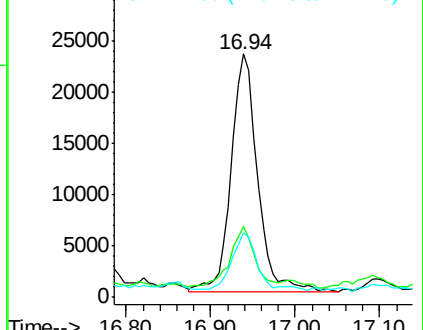
Instrument :
BNA_F
ClientSampleId :
SB-14-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.1	25.0	37.6
277	23.1	20.1	30.1

Manual Integrations
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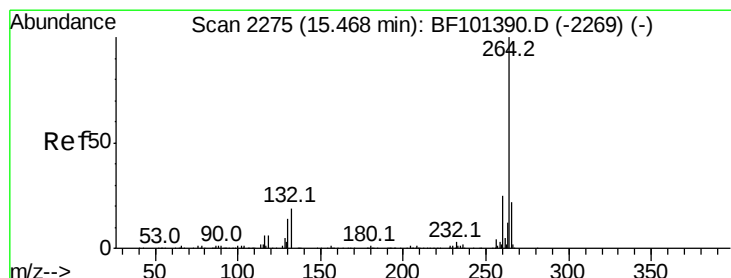
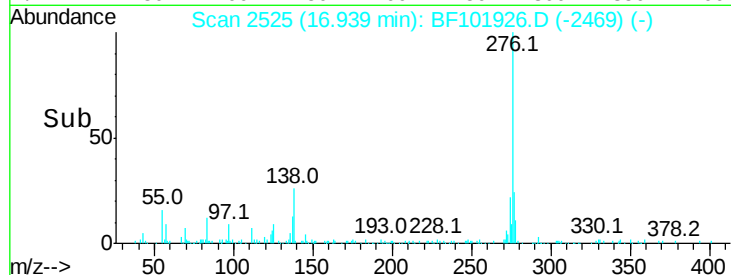


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



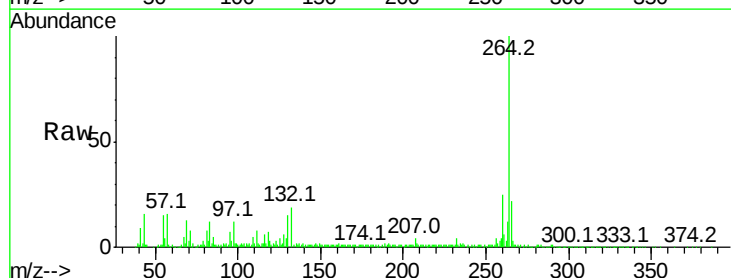
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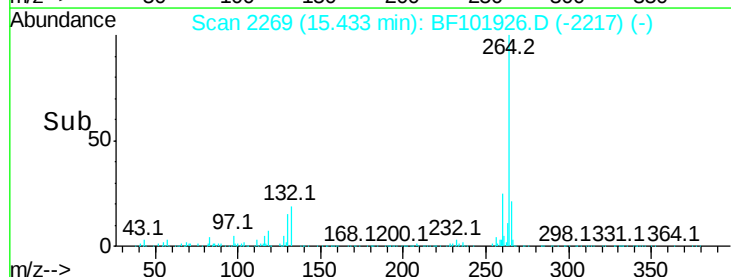
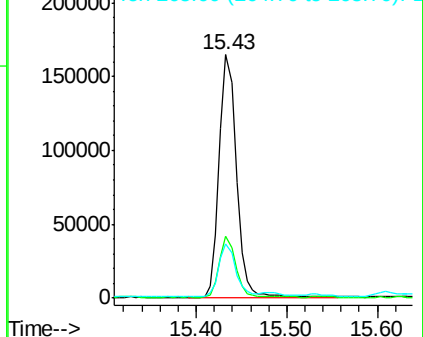


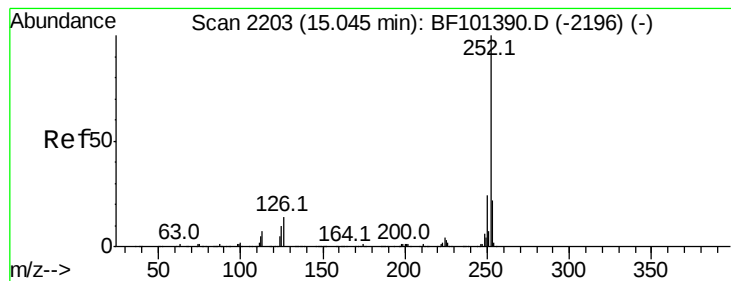
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.01 min
Lab File: BF101926.D
Acq: 5 Jan 2018 13:40

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.2	28.8
265	22.1	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 11.294 ng m

RT: 15.01 min Scan# 2197

Delta R.T. 0.01 min

Lab File: BF101926.D

Acq: 5 Jan 2018 13:40

Instrument :

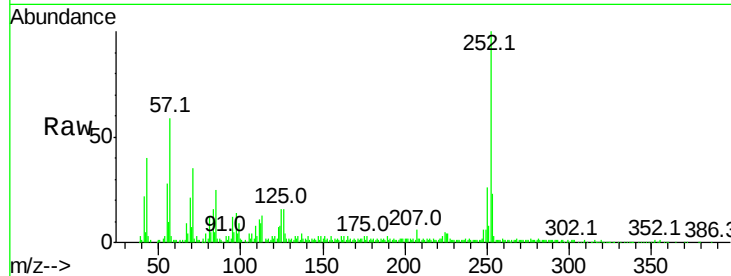
BNA_F

ClientSampleId :

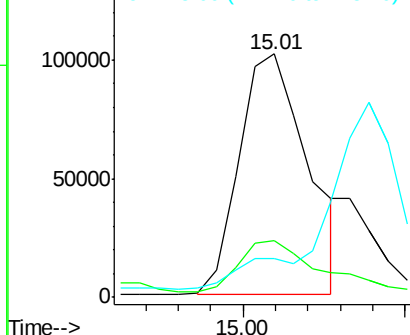
SB-14-COMP

Tot Ion:	252	Resp:	148723
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.0	25.6
125	16.1	9.0	13.6#

Manual Integrations
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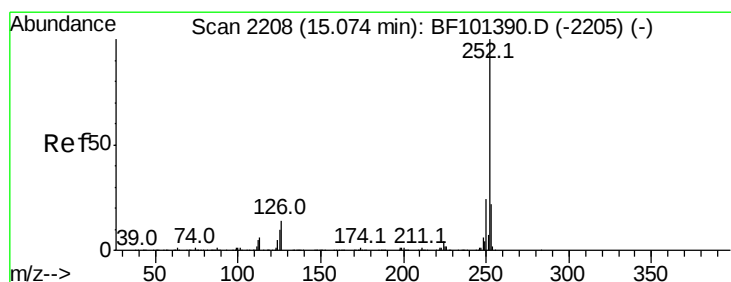
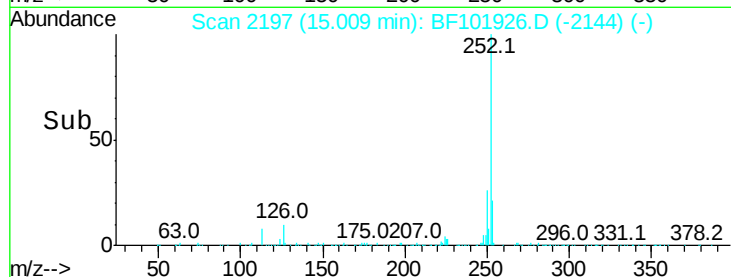


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



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1/8/2018 4:21:45 PM



#88

Benzo(k)fluoranthene

Concen: 2.737 ng m

RT: 15.03 min Scan# 2200

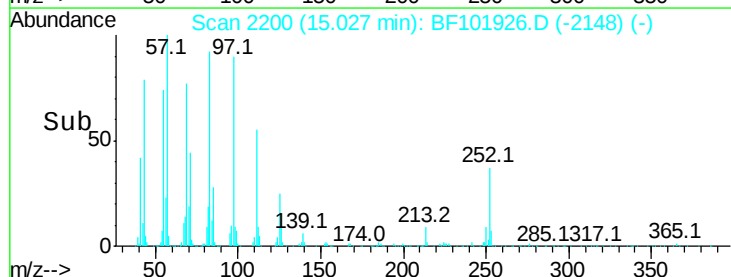
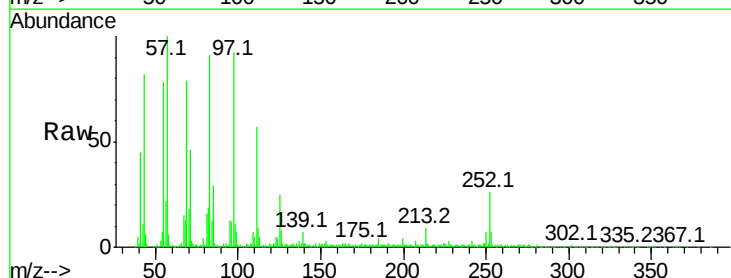
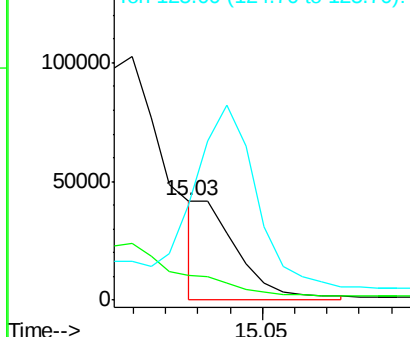
Delta R.T. 0.01 min

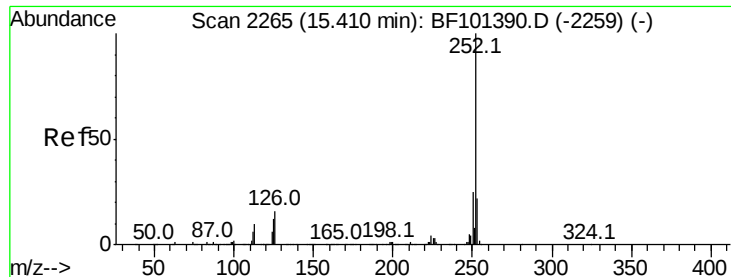
Lab File: BF101926.D

Acq: 5 Jan 2018 13:40

Tgt Ion:	252	Resp:	35049
Ion Ratio	Lower	Upper	
252	100		
253	25.4	17.9	26.9
125	96.2	10.2	15.2#

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



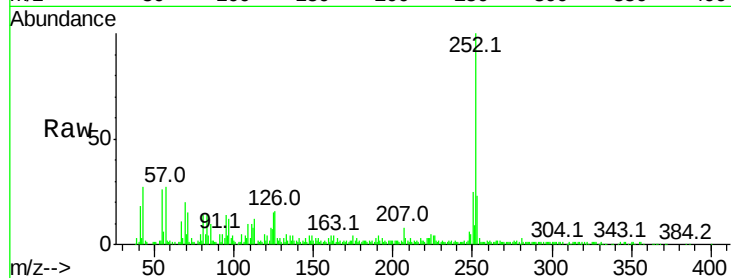


#89
Benzo(a)pyrene
Concen: 8.137 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.01 min
Lab File: BF101926.D
Acq: 5 Jan 2018 13:40

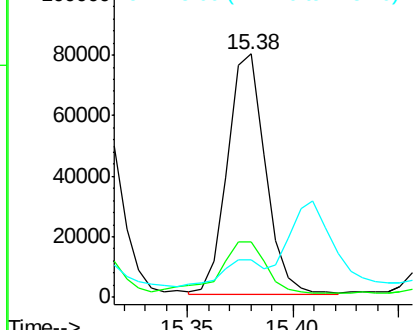
Instrument :
BNA_F
ClientSampleId :
SB-14-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	15.4	9.8	14.6

Manual Integrations
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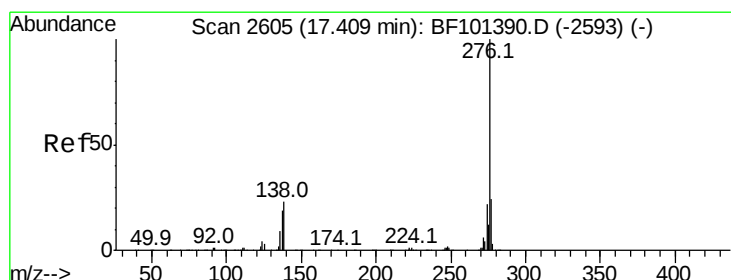
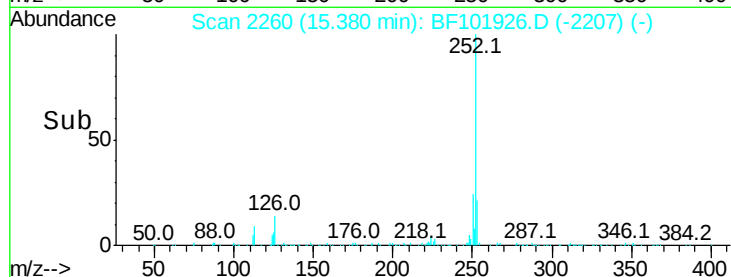


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



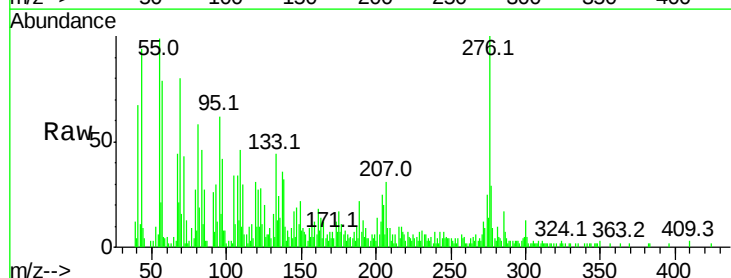
Sohil

1/8/2018 4:21:45 PM



#91
Benzo(g,h,i)perylene
Concen: 4.408 ng
RT: 17.40 min Scan# 2603
Delta R.T. 0.04 min
Lab File: BF101926.D
Acq: 5 Jan 2018 13:40

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.7	17.9	26.9
138	31.8	21.8	32.8



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

