

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
 Data File : BF104842.D
 Acq On : 26 Apr 2018 17:34
 Operator : JU/SJ
 Sample : J2155-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-042418-A

Manual Integrations
 APPROVED

Sohil
 4/27/2018 6:58:44 PM

Quant Time: Apr 27 12:08:42 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 25 14:01:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	113593	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	459915	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	199593	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	324614	20.00	ng	0.00
75) Chrysene-d12	13.97	240	250637	20.00	ng	-0.01
86) Perylene-d12	15.44	264	227348	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	747583	100.63	ng	0.00
7) Phenol-d6	6.45	99	901034	98.71	ng	0.00
23) Nitrobenzene-d5	7.36	82	562389	79.85	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	205620	99.31	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	915946	72.50	ng	0.00
78) Terphenyl-d14	12.92	244	745705	67.83	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.55	163	80217	5.097	ng	99
74) Fluoranthene	12.55	202	122360	6.478	ng	97
77) Pyrene	12.77	202	118229	6.364	ng	98
80) Benzo(a)anthracene	13.97	228	78804	5.263	ng	99
82) Chrysene	14.00	228	91499	5.949	ng	98
85) Indeno(1,2,3-cd)pyrene	16.90	276	31396	2.403	ng	# 90
87) Benzo(b)fluoranthene	15.02	252	102915m	7.167	ng	
88) Benzo(k)fluoranthene	15.04	252	27331m	2.016	ng	
89) Benzo(a)pyrene	15.38	252	58985	4.591	ng	# 94
91) Benzo(g,h,i)perylene	17.35	276	34227	3.348	ng	96

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

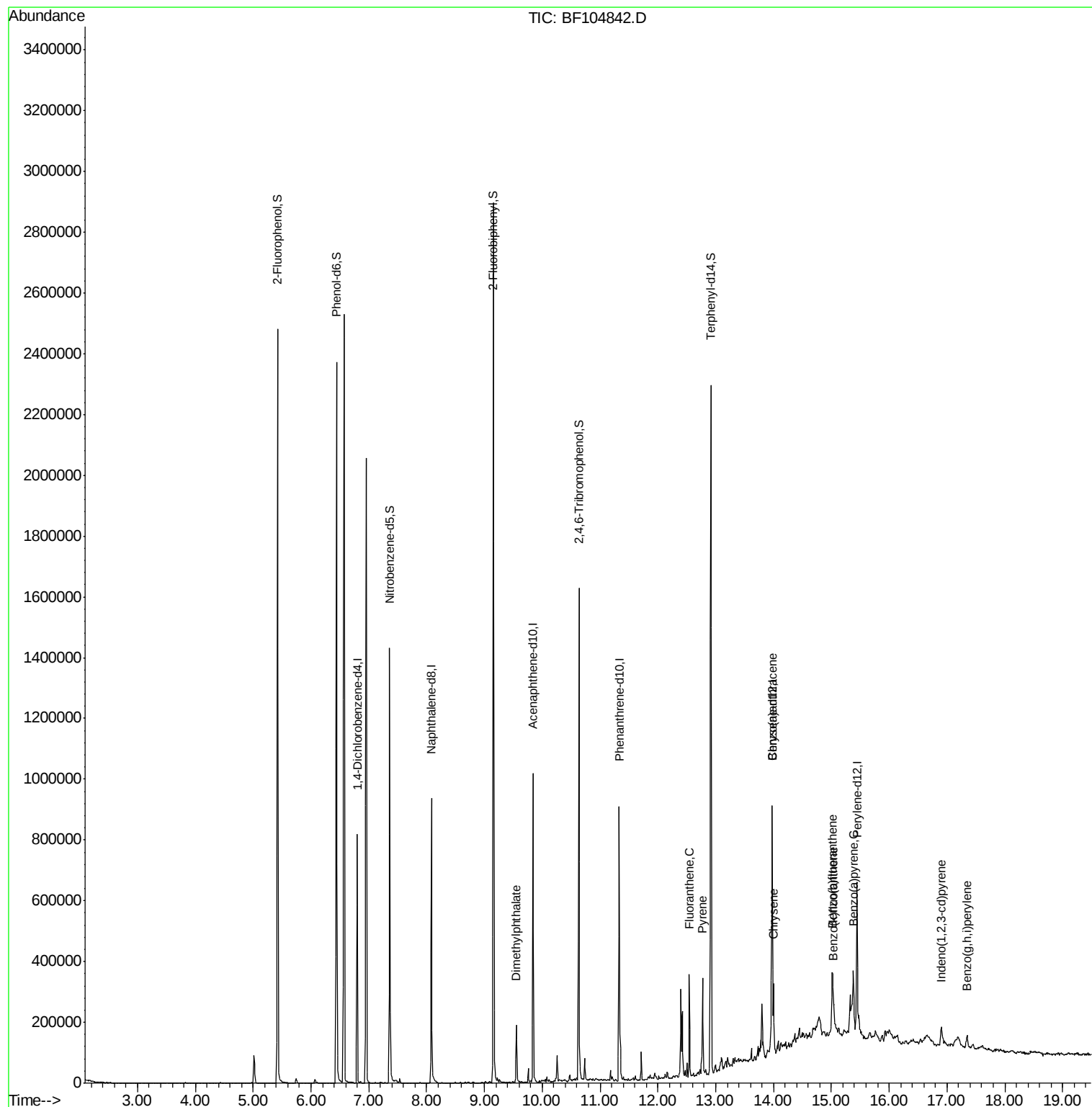
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
Data File : BF104842.D
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Operator : JU/SJ
Sample : J2155-07
Misc :
ALS Vial : 13 Sample Multiplier: 1

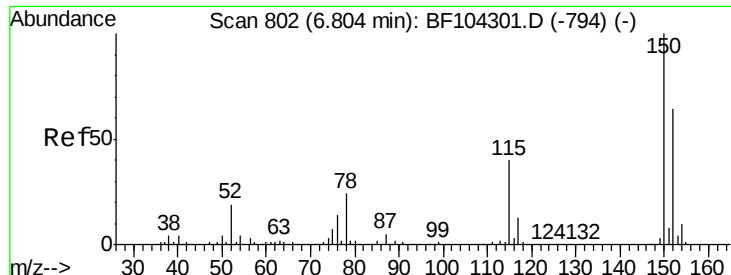
Instrument :
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NB-08-042418-A

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#1

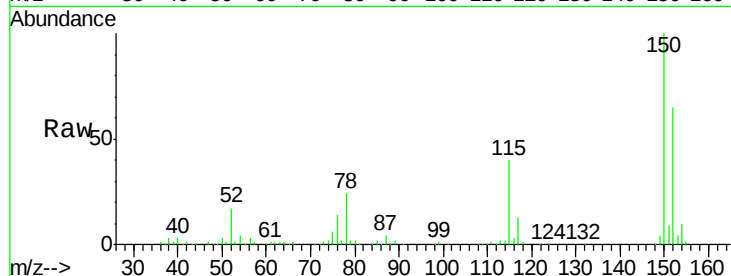
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104842.D
Acq: 26 Apr 2018 17:34

Instrument :
BNA_F
ClientSampleId :
NB-08-042418-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	124.6	186.8
115	60.9	50.1	75.1

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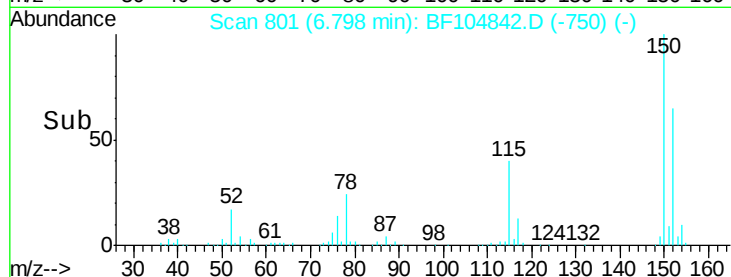
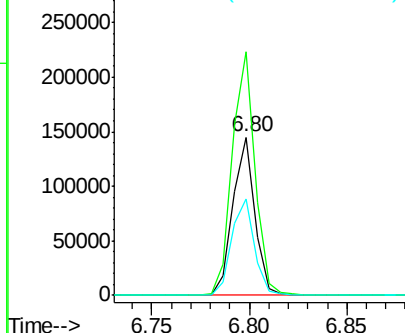


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

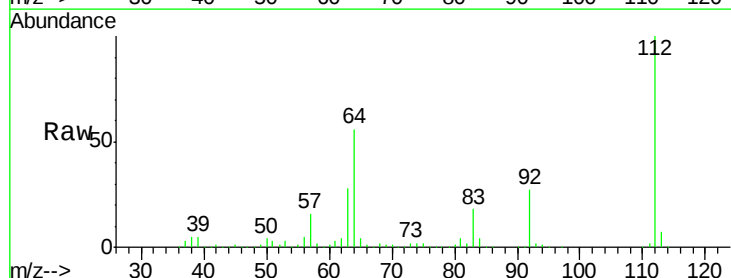
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 100.631 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104842.D
Acq: 26 Apr 2018 17:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.7	47.9	71.9
63	28.2	23.7	35.5

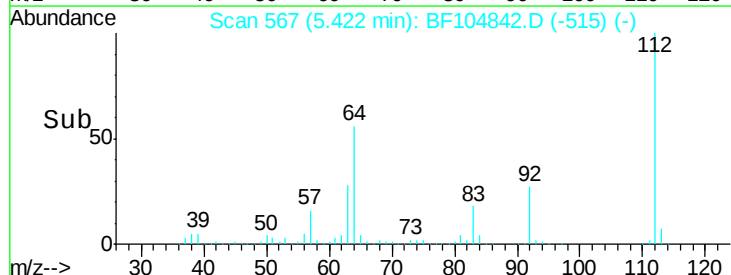
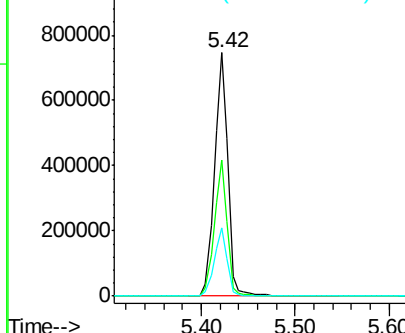


Abundance

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: 98.713 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF104842.D

Acq: 26 Apr 2018 17:34

Instrument :

BNA_F

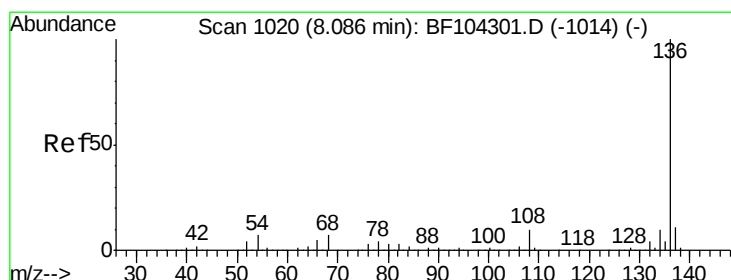
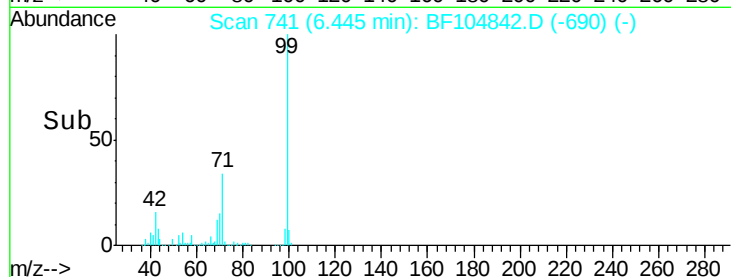
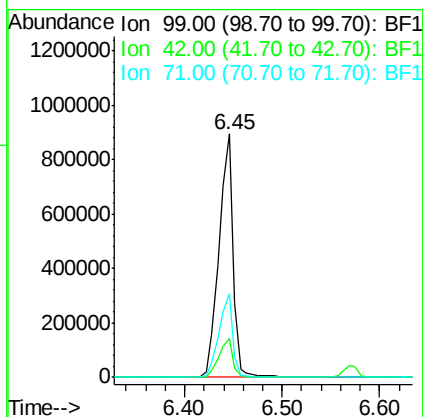
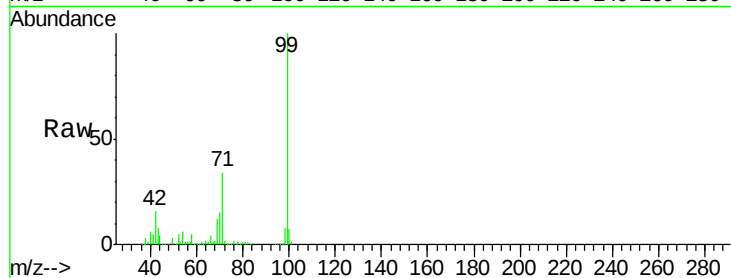
ClientSampleId :

NB-08-042418-A

Tot Ion:	99	Resp:	901034
Ion	Ratio	Lower	Upper
99	100		
42	15.7	14.5	21.7
71	34.2	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

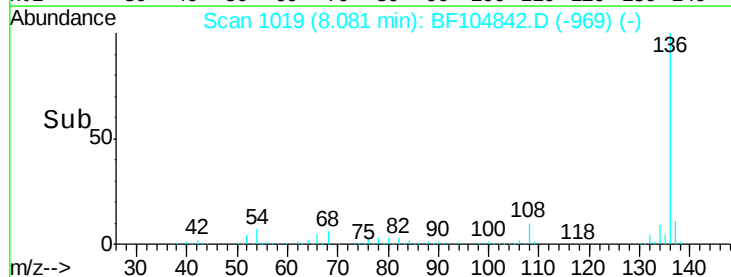
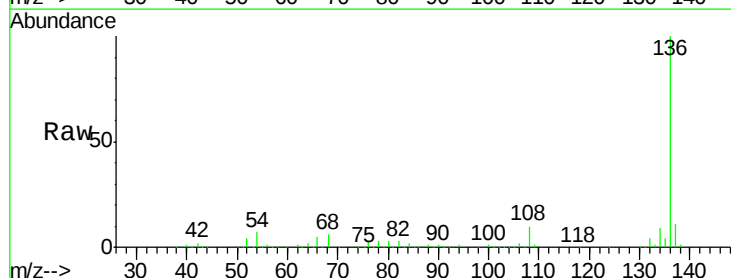
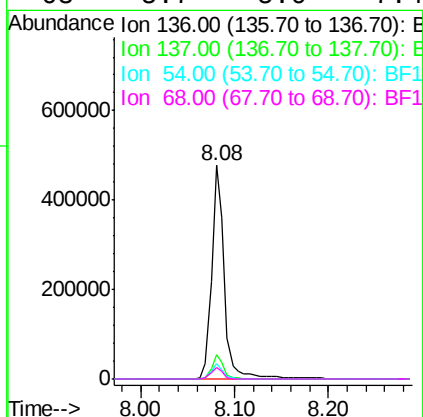
RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF104842.D

Acq: 26 Apr 2018 17:34

Tgt Ion:	136	Resp:	459915
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.0	6.6	9.8
68	5.7	5.0	7.4





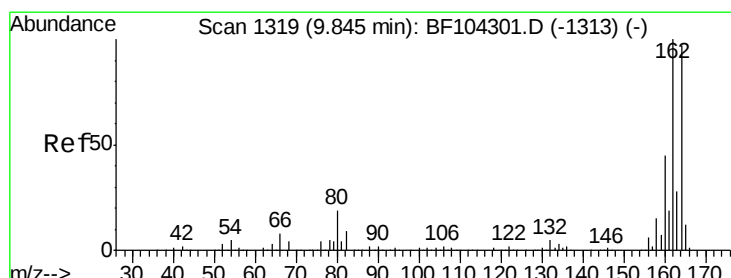
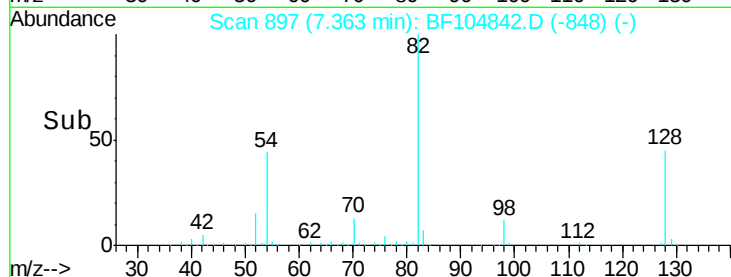
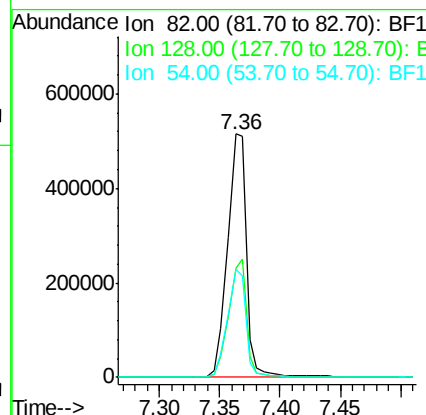
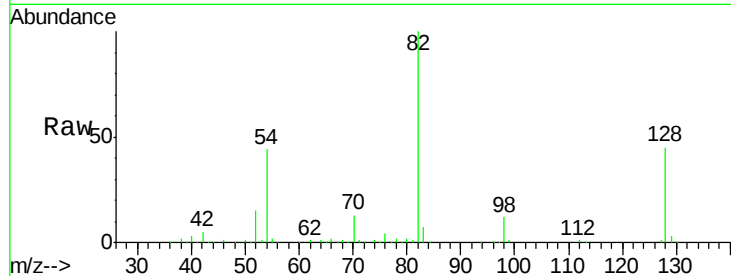
#23
 Nitrobenzene-d5
 Concen: 79.847 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: BF104842.D
 Acq: 26 Apr 2018 17:34

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-042418-A

Tot Ion	Ratio	Resp	Lower	Upper
82	100	562389		
128	44.9		36.1	54.1
54	44.4		41.4	62.2

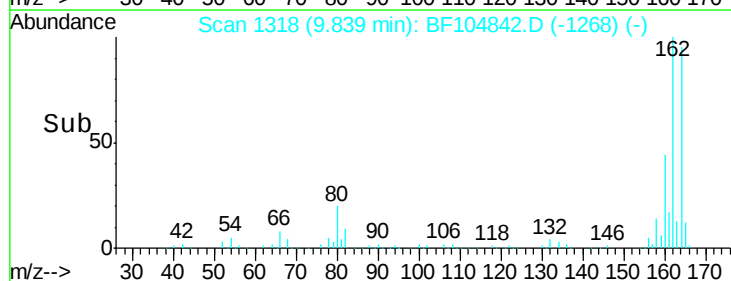
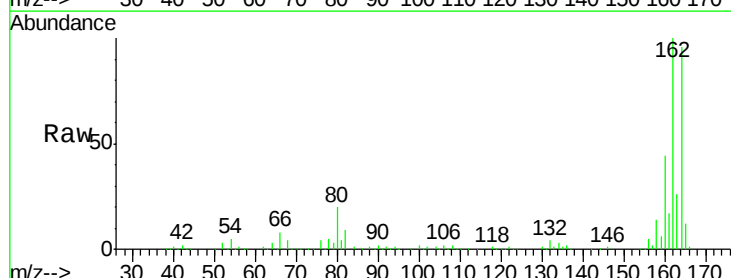
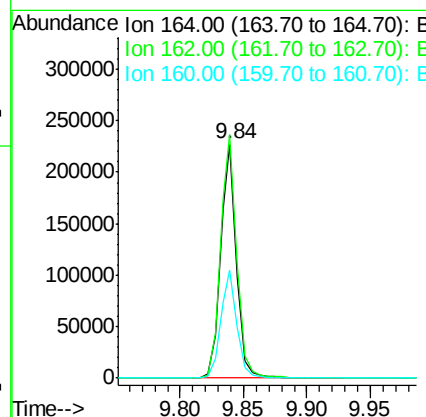
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF104842.D
 Acq: 26 Apr 2018 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	199593		
162	104.1		86.1	129.1
160	46.1		38.3	57.5





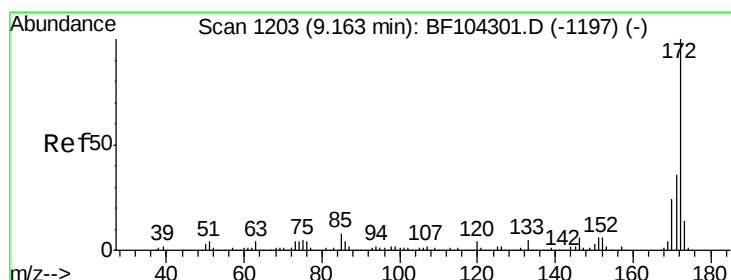
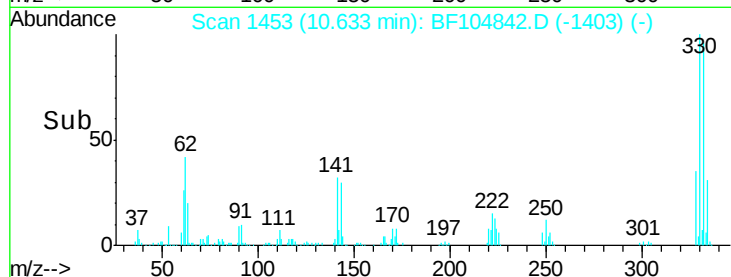
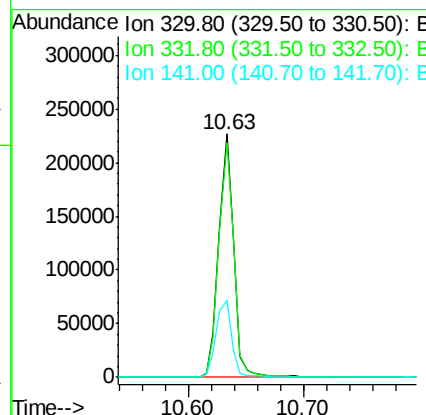
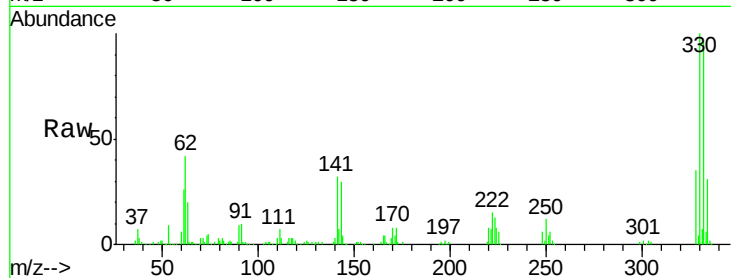
#41
 2,4,6-Tribromophenol
 Concen: 99.313 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104842.D
 Acq: 26 Apr 2018 17:34

Instrument :
 BNA_F
 ClientSampleId :
 NB-08-042418-A

Tot Ion	Ratio	Resp	Lower	Upper
330	100	205620		
332	97.4	77.0	115.6	
141	34.0	29.9	44.9	

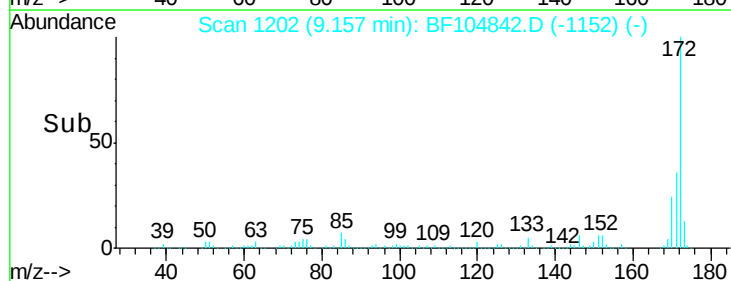
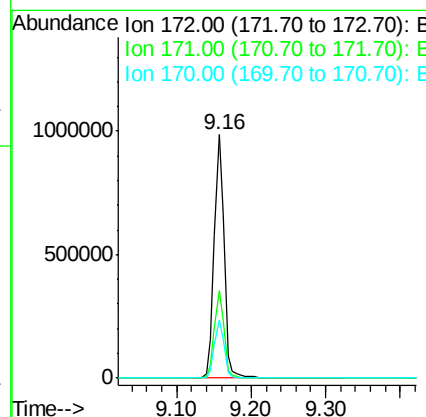
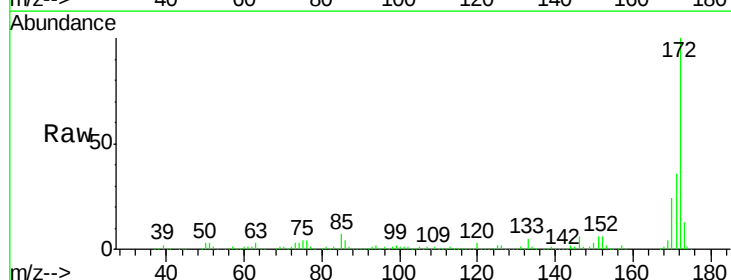
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#44
 2-Fluorobiphenyl
 Concen: 72.496 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104842.D
 Acq: 26 Apr 2018 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	915946		
171	36.2	29.7	44.5	
170	24.1	19.6	29.4	





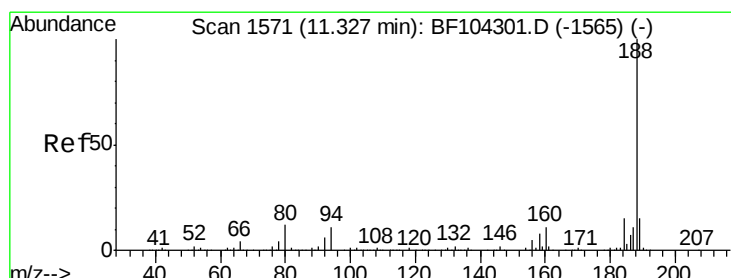
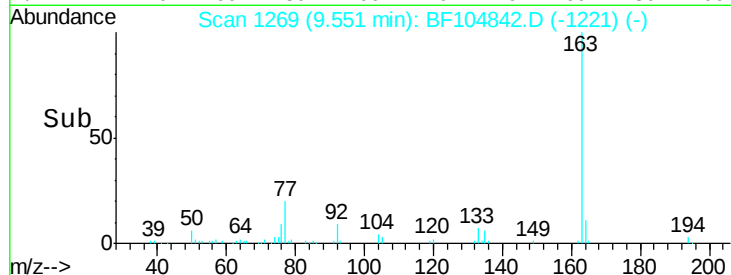
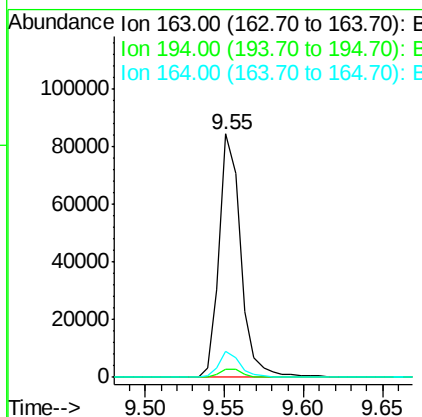
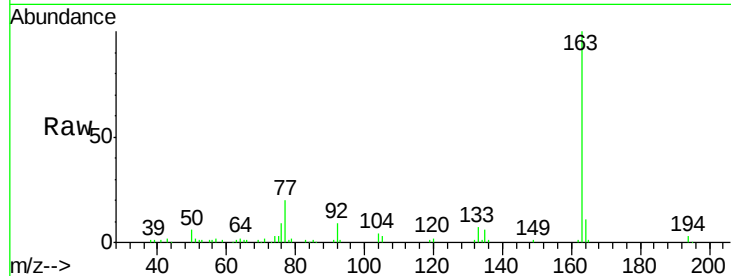
#49
Dimethylphthalate
Concen: 5.097 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF104842.D
Acq: 26 Apr 2018 17:34

Instrument :
BNA_F
ClientSampleId :
NB-08-042418-A

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	10.5	8.2	12.2

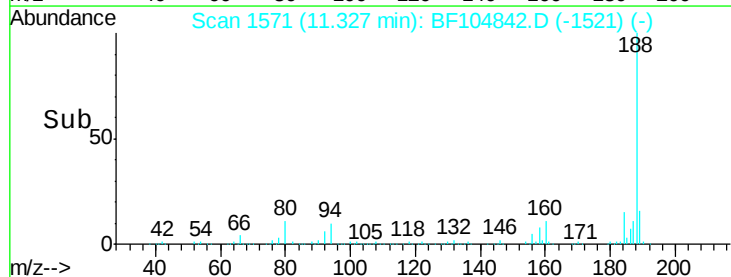
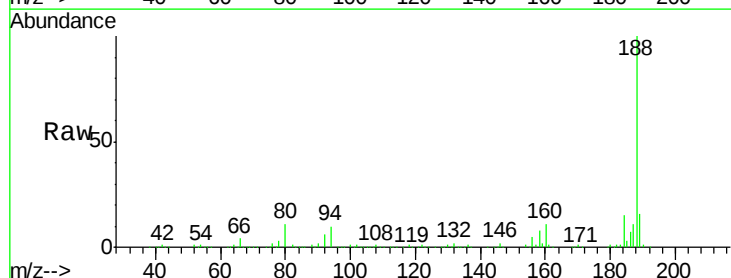
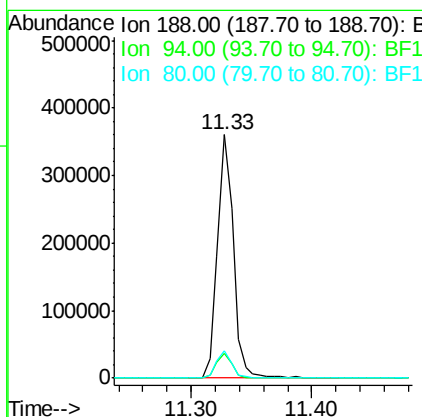
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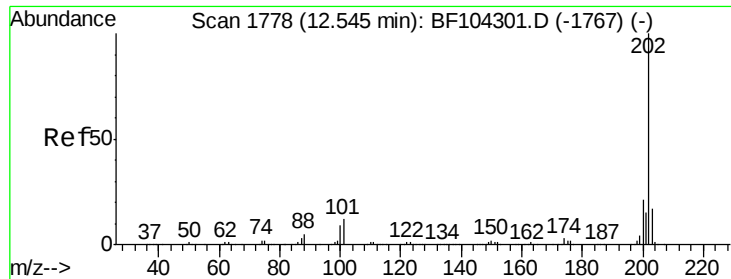
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104842.D
Acq: 26 Apr 2018 17:34

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.5	12.7
80	11.4	9.2	13.8





#74

Fluoranthene

Concen: 6.478 ng

RT: 12.55 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF104842.D

Acq: 26 Apr 2018 17:34

Instrument :

BNA_F

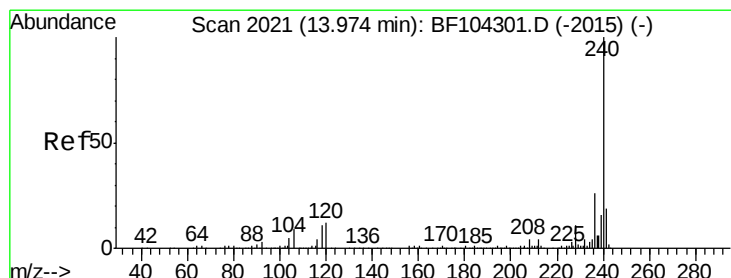
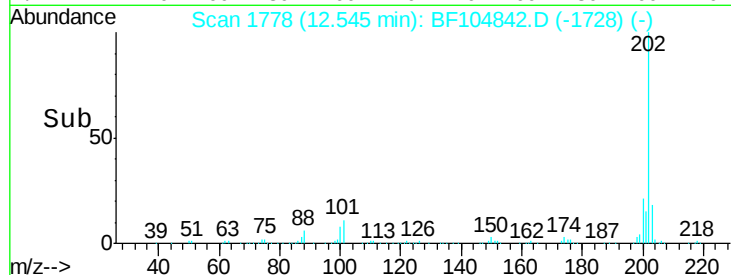
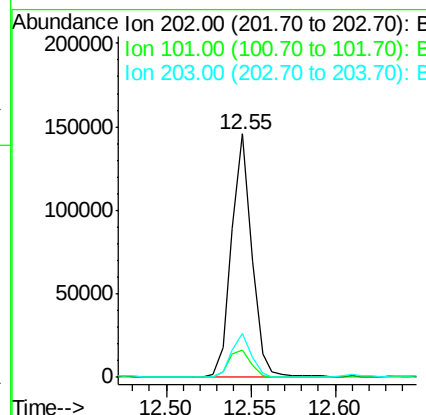
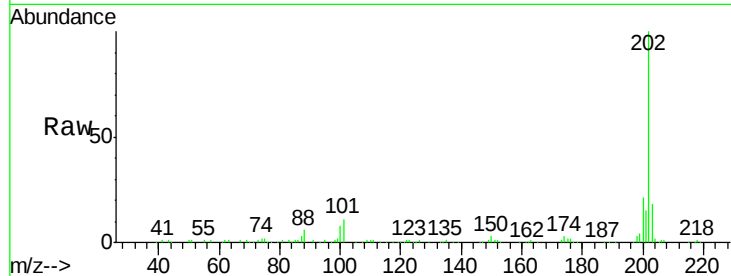
ClientSampleId :

NB-08-042418-A

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.5	0.0	34.1
203	18.1	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

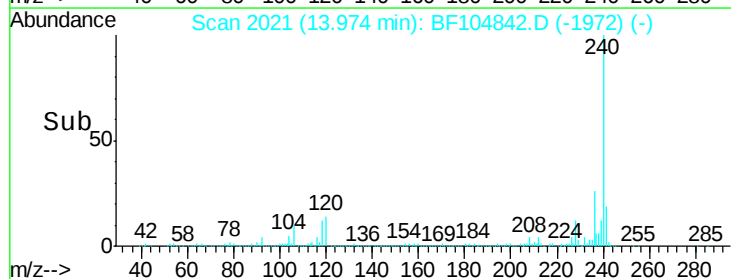
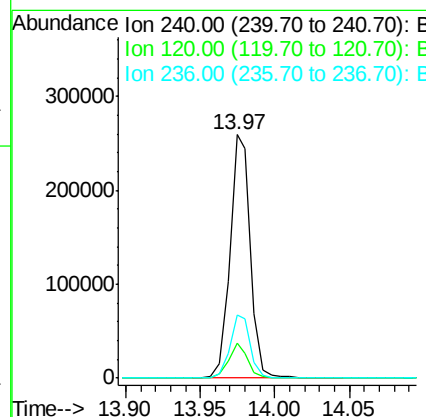
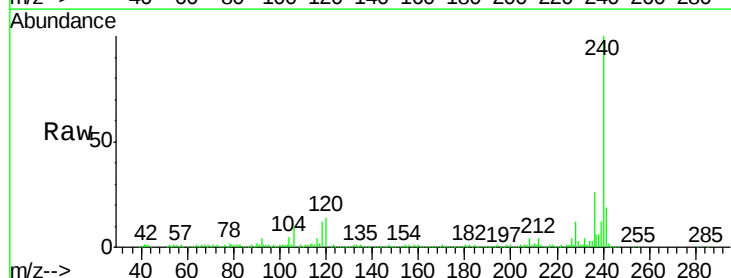
RT: 13.97 min Scan# 2021

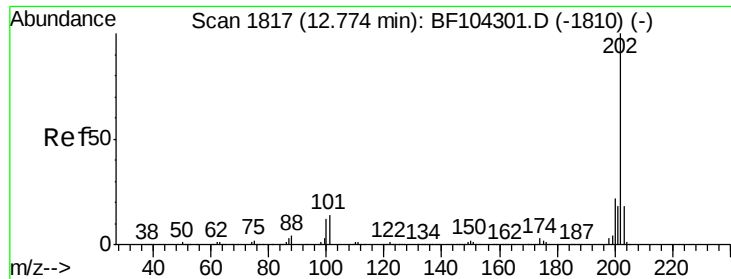
Delta R.T. -0.01 min

Lab File: BF104842.D

Acq: 26 Apr 2018 17:34

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.1	9.5	14.3
236	25.7	20.7	31.1





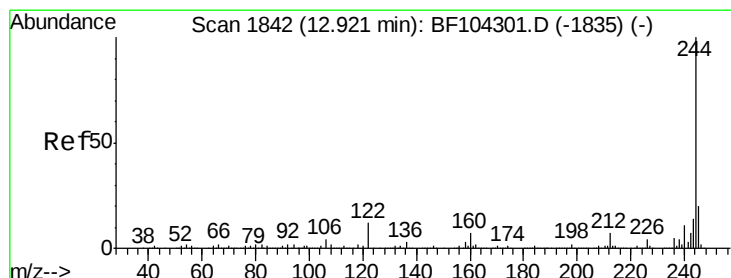
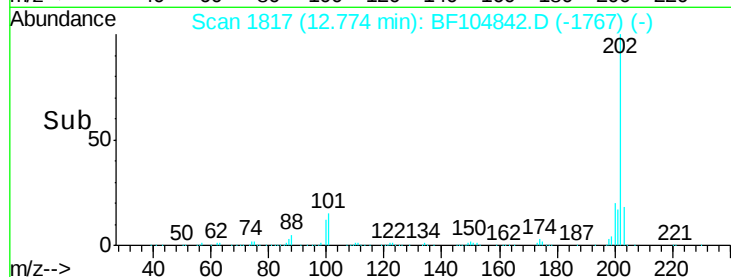
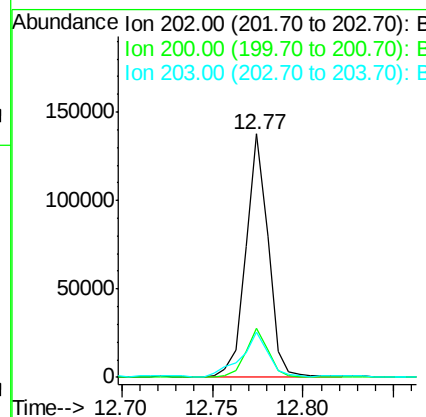
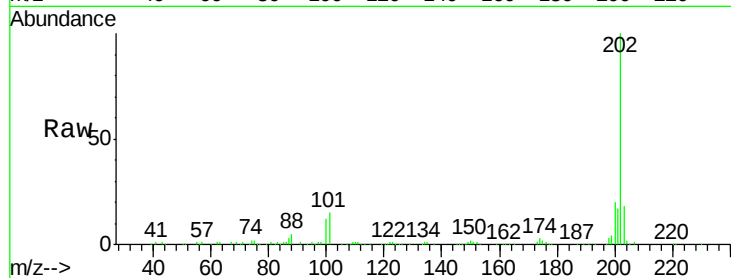
#77
Pvrene
Concen: 6.364 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF104842.D
Acq: 26 Apr 2018 17:34

Instrument :
BNA_F
ClientSampleId :
NB-08-042418-A

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.4	26.2
203	18.4	14.3	21.5

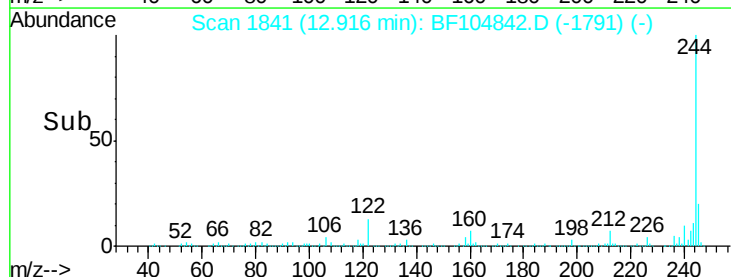
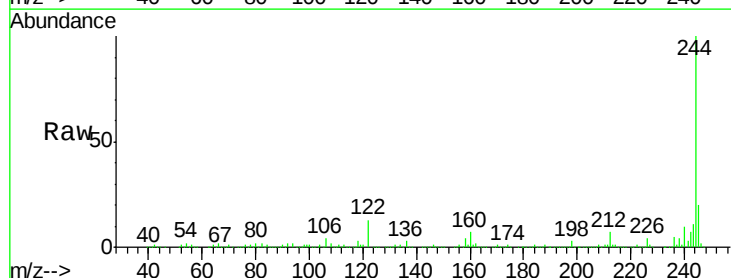
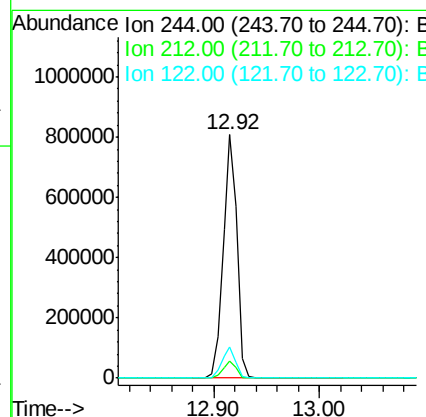
Manual Integrations
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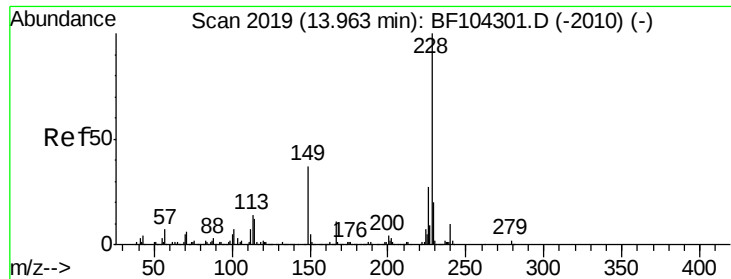
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#78
Terphenyl-d14
Concen: 67.830 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF104842.D
Acq: 26 Apr 2018 17:34

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	12.6	11.0	16.4





#80

Benzo(a)anthracene

Concen: 5.263 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF104842.D

Acq: 26 Apr 2018 17:34

Instrument :

BNA_F

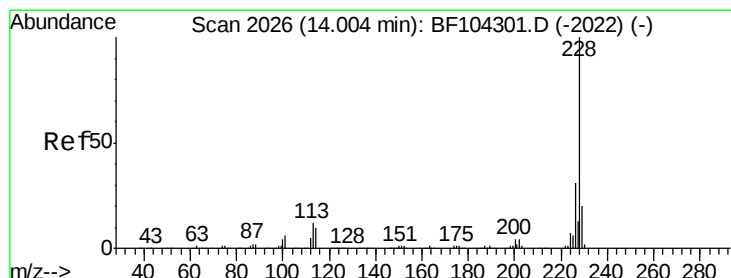
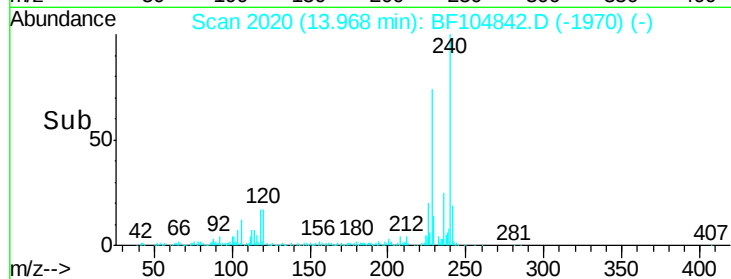
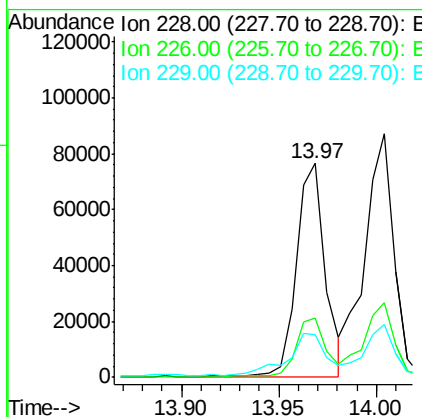
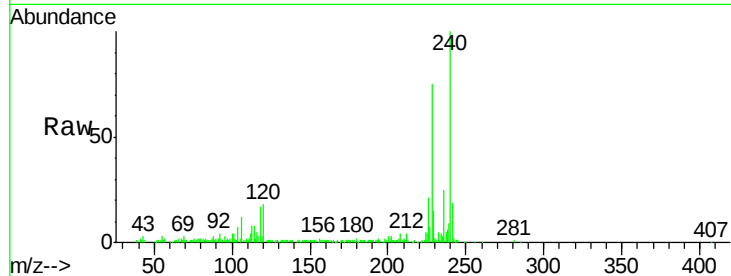
ClientSampleId :

NB-08-042418-A

Tot Ion:	228	Resp:	78804
Ion Ratio	Lower	Upper	
228	100		
226	27.8	22.6	33.8
229	20.1	15.8	23.6

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#82

Chrysene

Concen: 5.949 ng

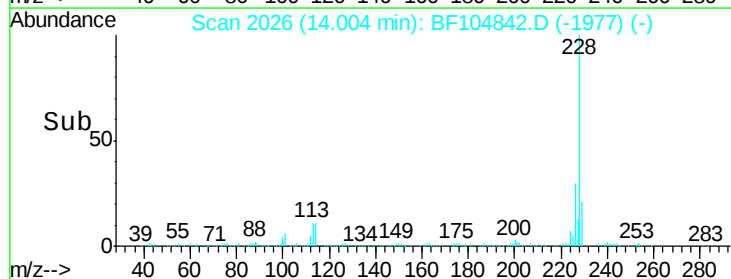
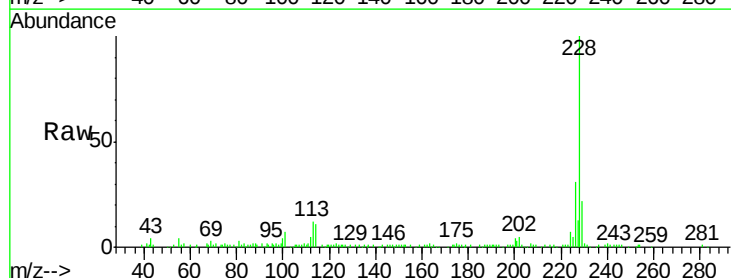
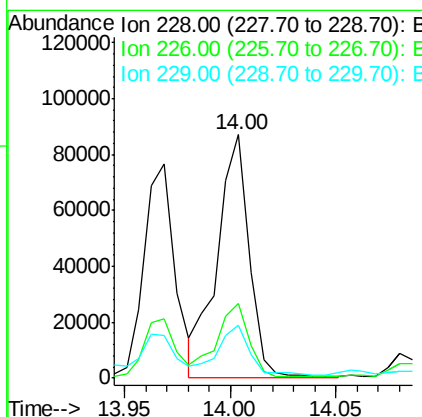
RT: 14.00 min Scan# 2026

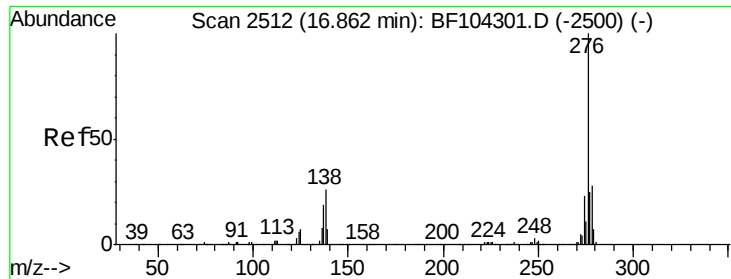
Delta R.T. -0.01 min

Lab File: BF104842.D

Acq: 26 Apr 2018 17:34

Tgt Ion:	228	Resp:	91499
Ion Ratio	Lower	Upper	
228	100		
226	30.7	25.0	37.6
229	21.8	16.2	24.4





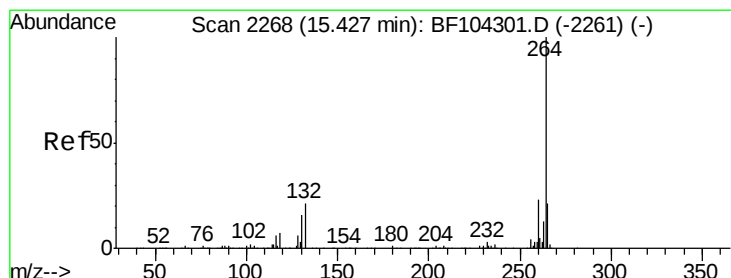
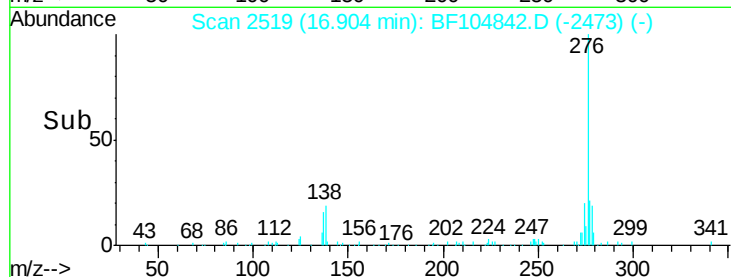
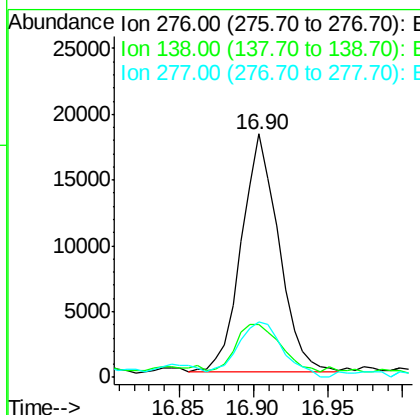
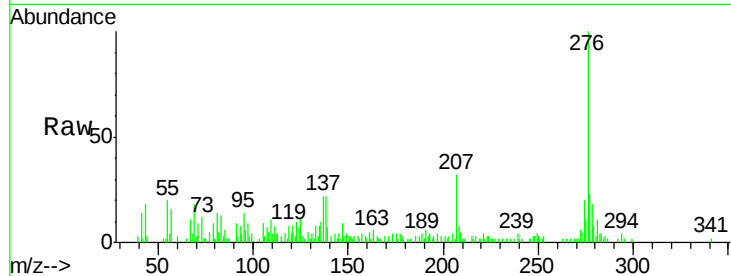
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.403 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.03 min
Lab File: BF104842.D
Acq: 26 Apr 2018 17:34

Instrument :
BNA_F
ClientSampleId :
NB-08-042418-A

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.1	25.0	37.6#
277	28.4	20.1	30.1

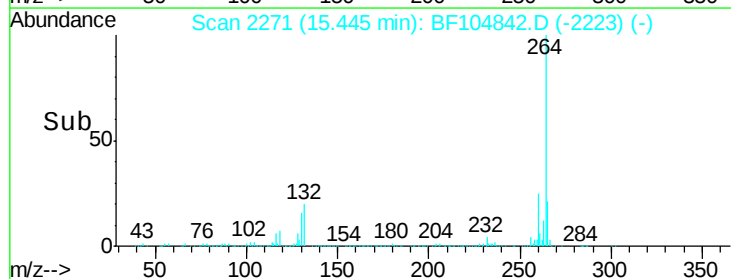
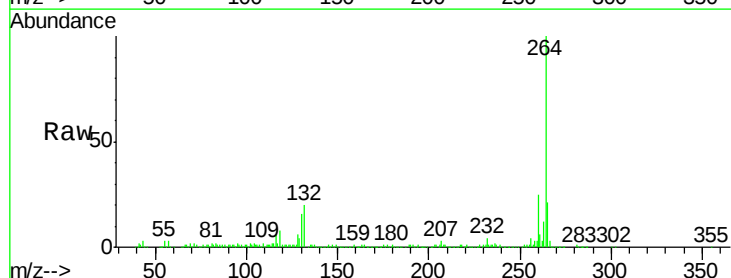
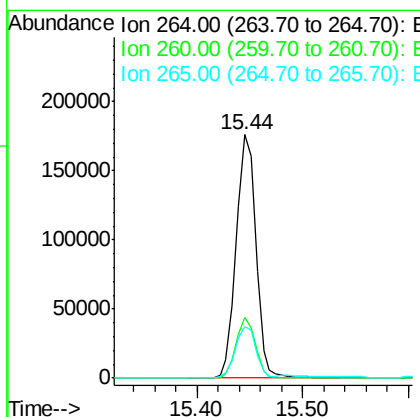
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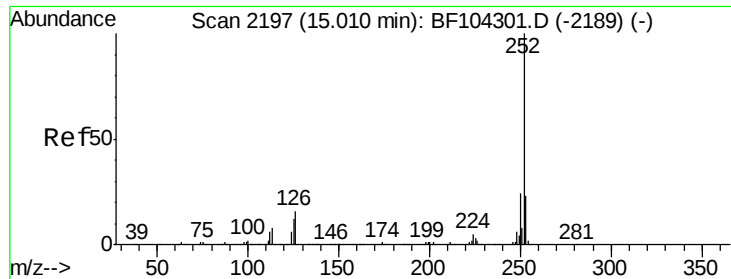
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.02 min
Lab File: BF104842.D
Acq: 26 Apr 2018 17:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	21.4	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 7.167 ng m

RT: 15.02 min Scan# 2198

Delta R.T. -0.02 min

Lab File: BF104842.D

Acq: 26 Apr 2018 17:34

Instrument :

BNA_F

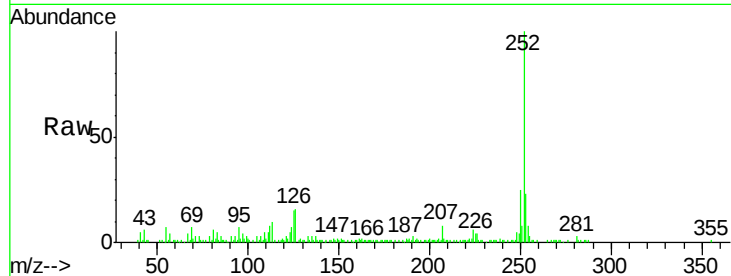
ClientSampleId :

NB-08-042418-A

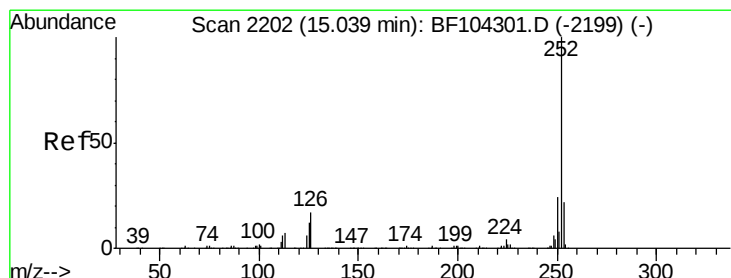
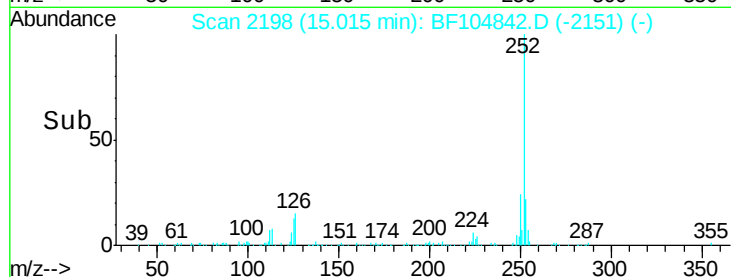
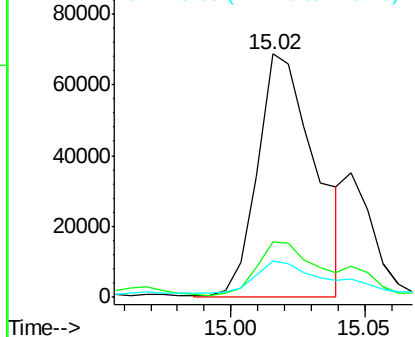
Tot Ion:	252	Resp:	102915
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.0	25.6
125	15.0	9.0	13.6

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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



#88

Benzo(k)fluoranthene

Concen: 2.016 ng m

RT: 15.04 min Scan# 2203

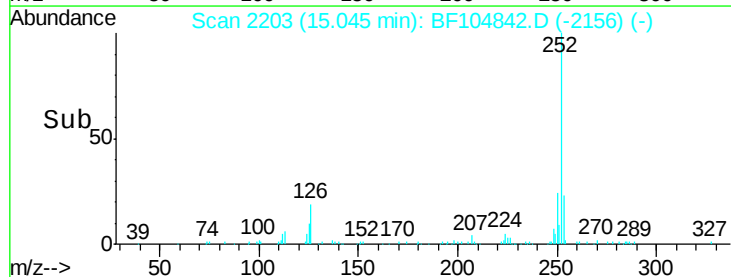
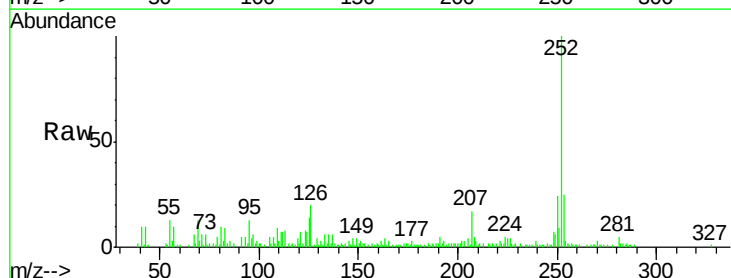
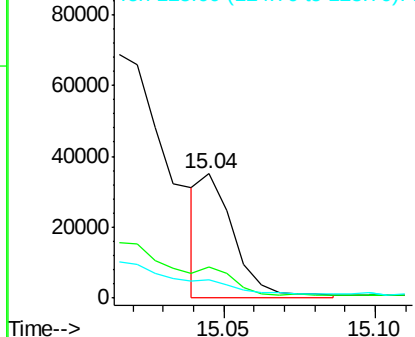
Delta R.T. -0.02 min

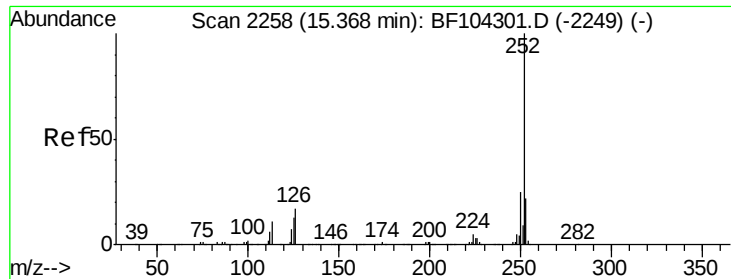
Lab File: BF104842.D

Acq: 26 Apr 2018 17:34

Tgt Ion:	252	Resp:	27331
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.9	26.9
125	14.4	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





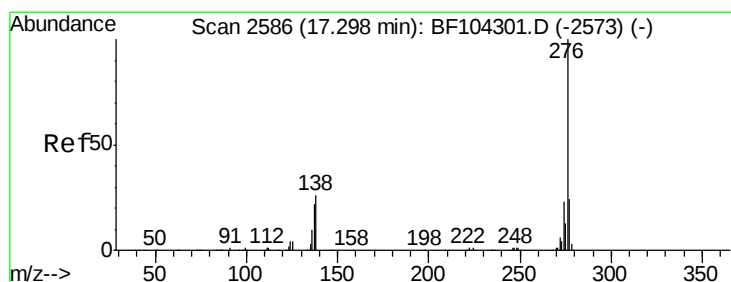
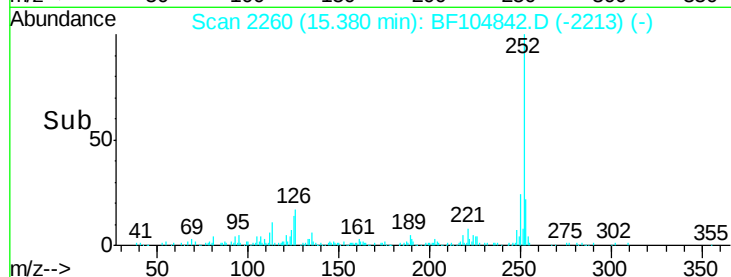
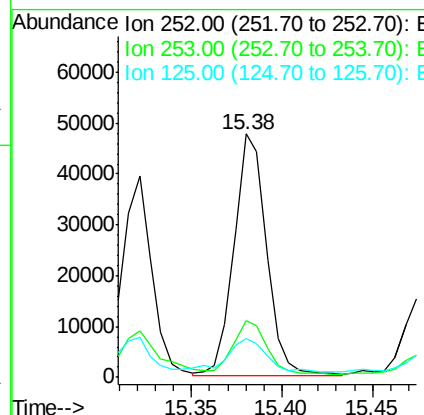
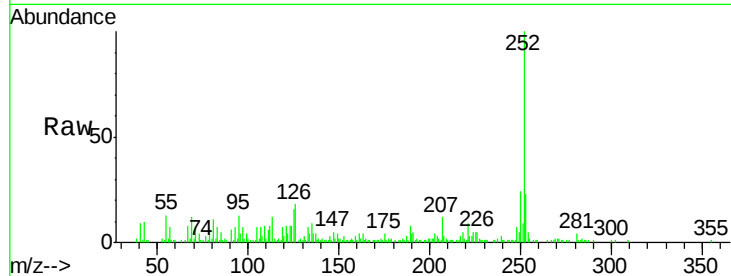
#89
Benzo(a)pyrene
Concen: 4.591 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.02 min
Lab File: BF104842.D
Acq: 26 Apr 2018 17:34

Instrument :
BNA_F
ClientSampleId :
NB-08-042418-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	15.8	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 3.348 ng
RT: 17.35 min Scan# 2595
Delta R.T. -0.03 min
Lab File: BF104842.D
Acq: 26 Apr 2018 17:34

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.7	17.9	26.9
138	27.4	21.8	32.8

