

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
 Data File : BF104567.D
 Acq On : 17 Apr 2018 17:57
 Operator : JU/SJ
 Sample : J2393-01RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 3-4-DENSE-GRADE-AGG-RCARE

Manual Integrations
 APPROVED

Sohil
 4/18/2018 3:00:42 PM

Quant Time: Apr 18 01:03:02 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 17 17:08:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	132251	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	537092	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	241165	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	393021	20.00	ng	0.00
75) Chrysene-d12	13.97	240	267648	20.00	ng	0.00
86) Perylene-d12	15.44	264	270575	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	23423	2.71	ng	0.00
7) Phenol-d6	6.43	99	340414	32.03	ng	-0.01
23) Nitrobenzene-d5	7.37	82	554718	67.44	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	456	0.18	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	990246	64.87	ng	0.00
78) Terphenyl-d14	12.92	244	776537	66.15	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.56	163	121393	6.383	ng	99
70) Phenanthrene	11.36	178	133495	6.099	ng	98
74) Fluoranthene	12.55	202	150814	6.595	ng	97
77) Pyrene	12.77	202	135248	6.817	ng	98
80) Benzo(a)anthracene	13.96	228	62463	3.906	ng	98
82) Chrysene	14.00	228	54917	3.344	ng	96
85) Indeno(1,2,3-cd)pyrene	16.89	276	28304	2.029	ng	94
87) Benzo(b)fluoranthene	15.01	252	75866m	4.439	ng	
89) Benzo(a)pyrene	15.37	252	49883	3.262	ng	# 92
91) Benzo(g,h,i)perylene	17.32	276	29310	2.409	ng	# 95

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

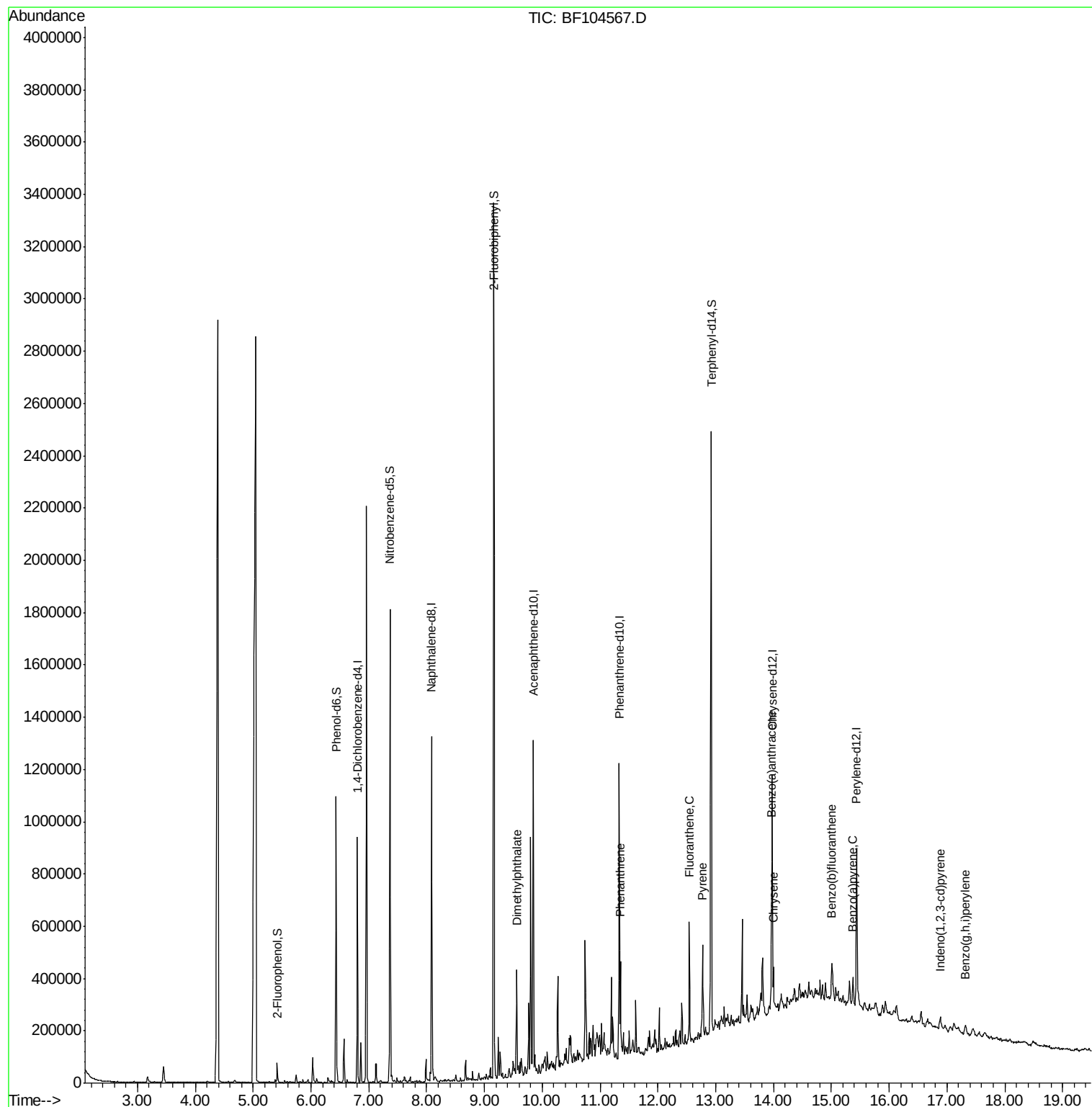
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041718\
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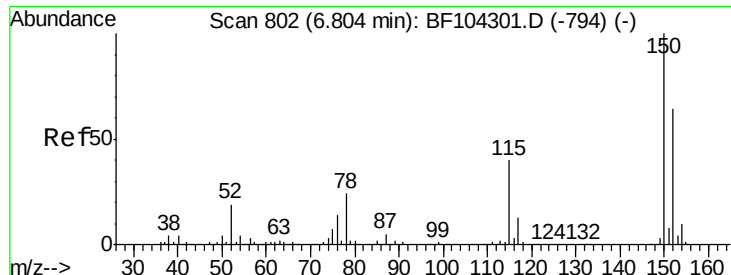
Instrument :
BNA_F
ClientSampleId :
3-4-DENSE-GRADE-AGG-RCARE

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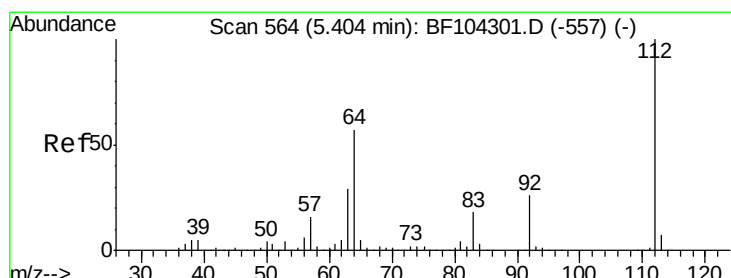
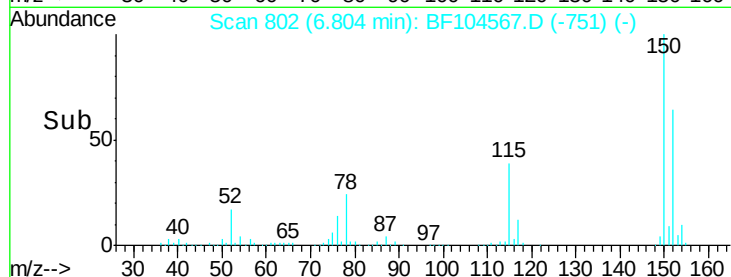
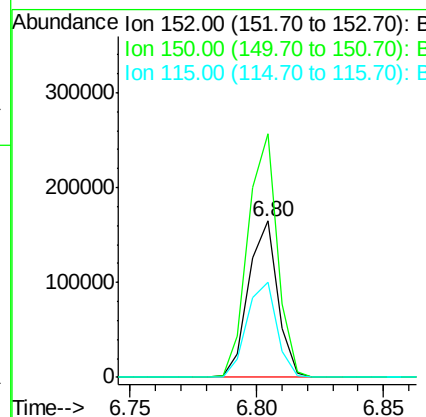
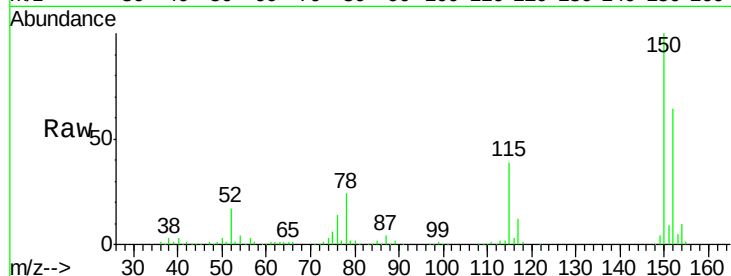
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. 0.00 min
 Lab File: BF104567.D
 Acq: 17 Apr 2018 17:57

Instrument :
 BNA_F
 ClientSampleId :
 3-4-DENSE-GRADE-AGG-RCARE

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.6	186.8
115	60.9	50.1	75.1

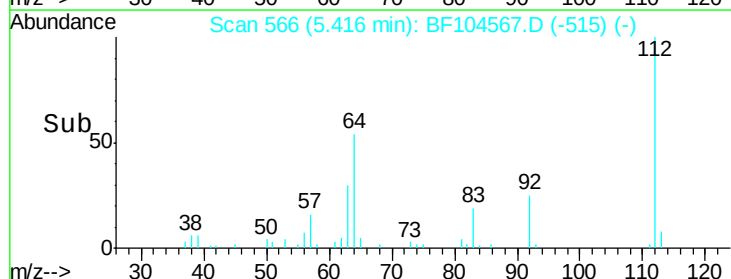
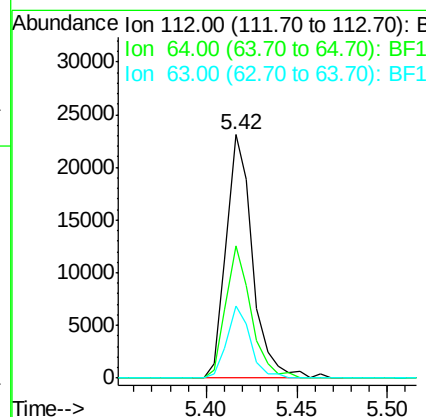
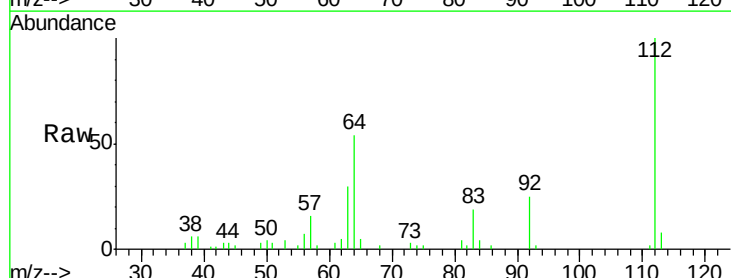
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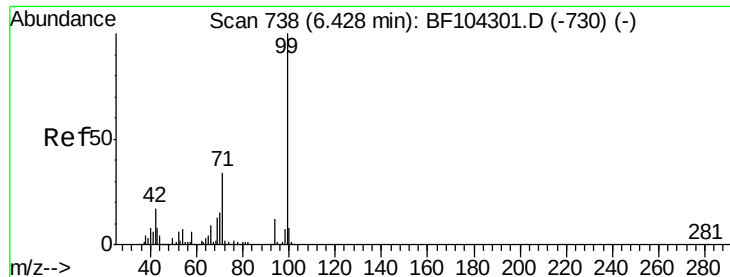
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#5
 2-Fluorophenol
 Concen: 2.708 ng
 RT: 5.42 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: BF104567.D
 Acq: 17 Apr 2018 17:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.3	47.9	71.9
63	29.8	23.7	35.5





#7

Phenol-d6

Concen: 32.033 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104567.D

Acq: 17 Apr 2018 17:57

Instrument :

BNA_F

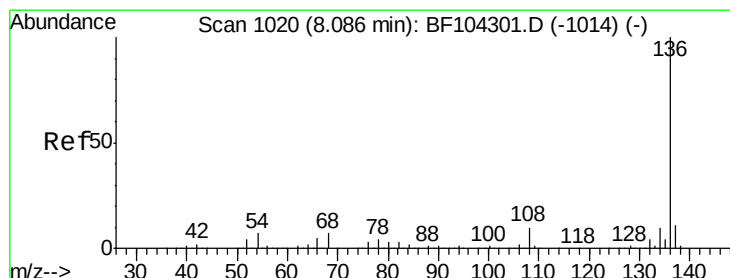
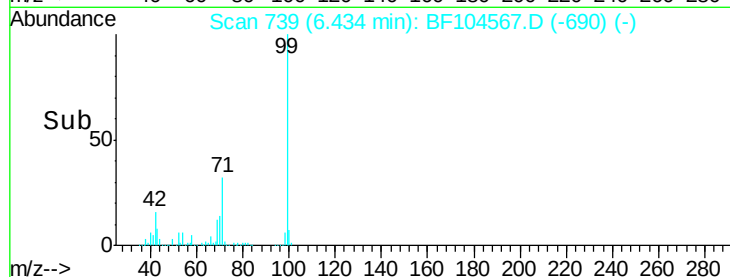
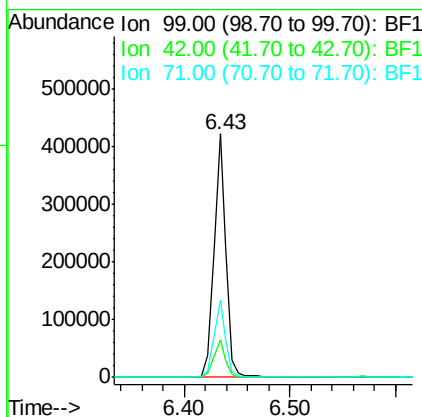
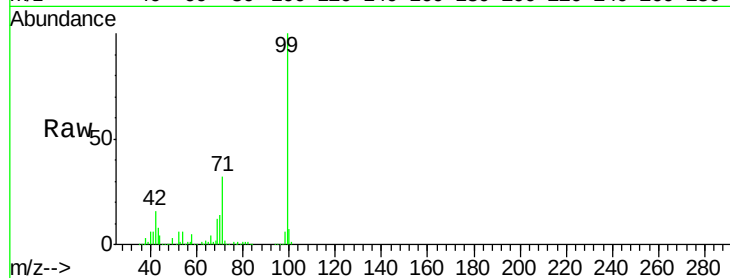
ClientSampleId :

3-4-DENSE-GRADE-AGG-RCARE

Tot Ion:	99	Resp:	340414
Ion	Ratio	Lower	Upper
99	100		
42	15.6	14.5	21.7
71	31.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

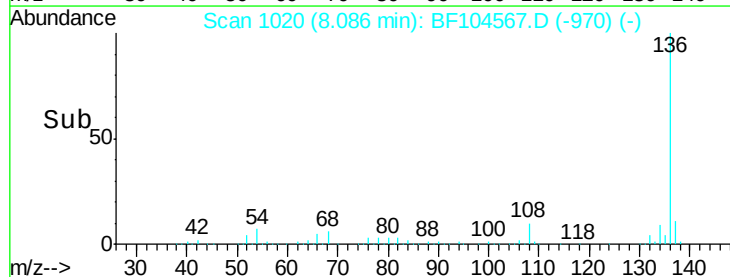
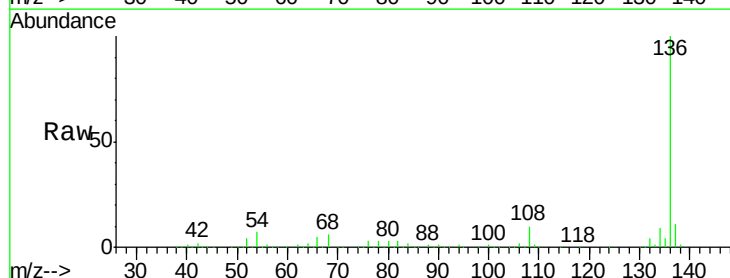
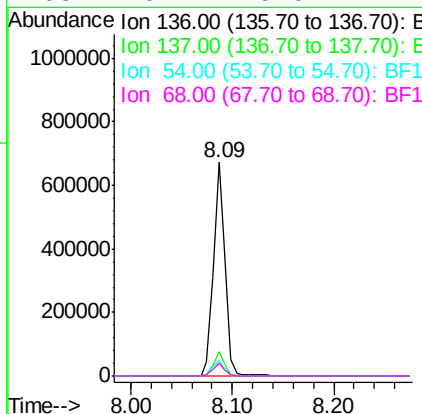
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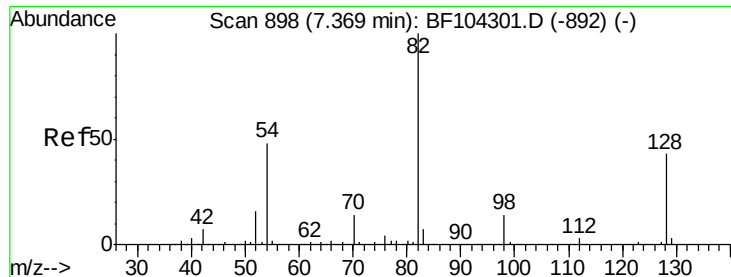
Delta R.T. -0.01 min

Lab File: BF104567.D

Acq: 17 Apr 2018 17:57

Tgt Ion:	136	Resp:	537092
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	7.0	6.6	9.8
68	6.2	5.0	7.4





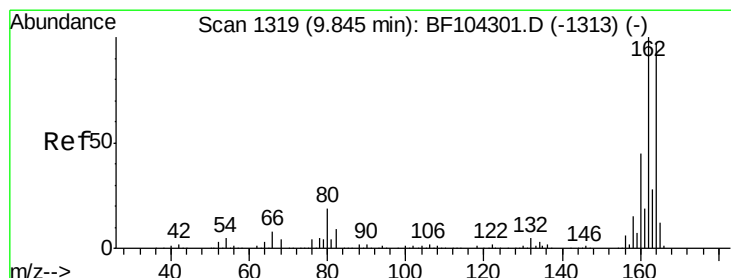
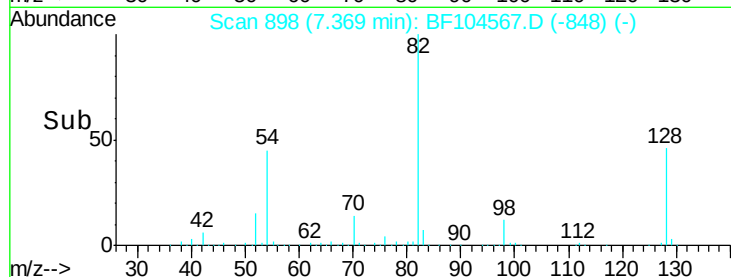
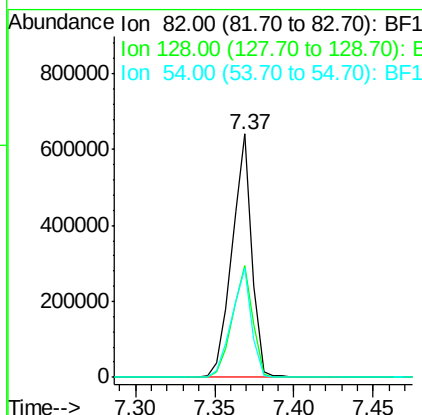
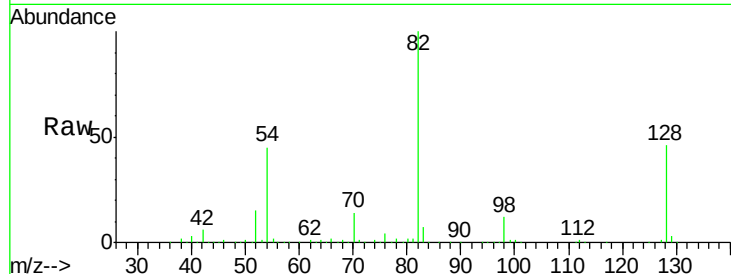
#23
Nitrobenzene-d5
Concen: 67.441 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104567.D
Acq: 17 Apr 2018 17:57

Instrument :
BNA_F
ClientSampleId :
3-4-DENSE-GRADE-AGG-RCARE

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.1	54.1
54	45.0	41.4	62.2

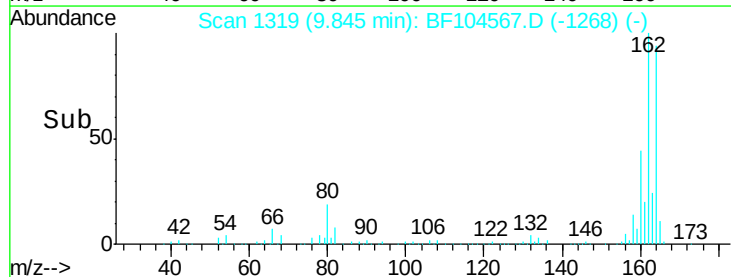
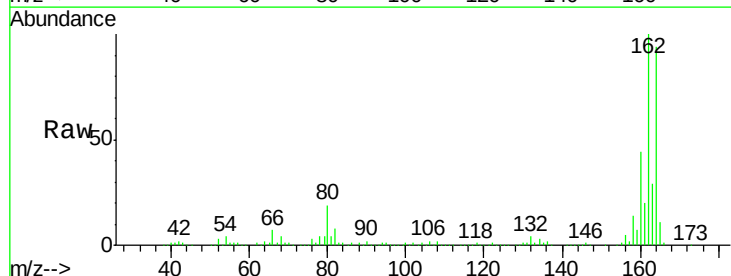
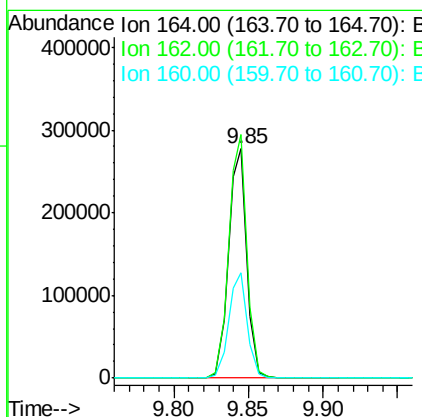
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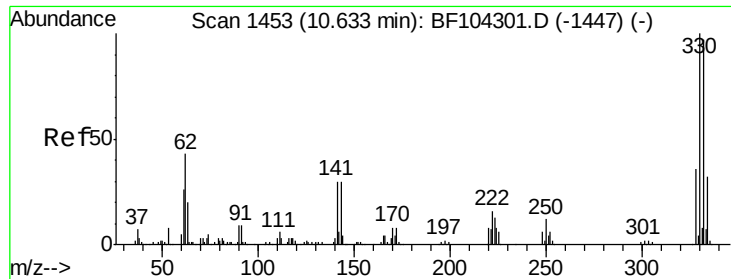
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.00 min
Lab File: BF104567.D
Acq: 17 Apr 2018 17:57

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.2	86.1	129.1
160	46.2	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 0.182 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF104567.D

Acq: 17 Apr 2018 17:57

Instrument :

BNA_F

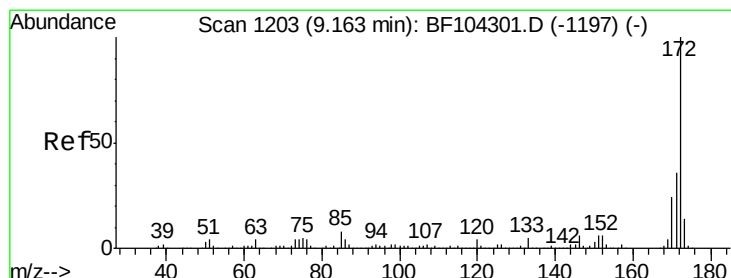
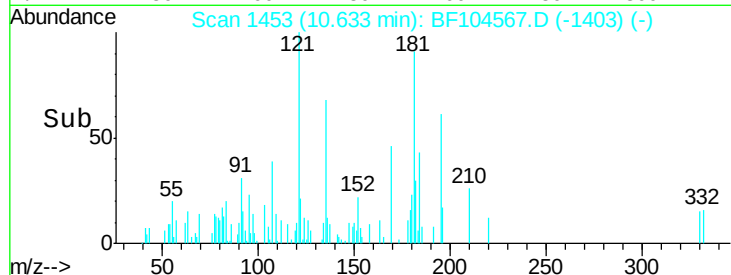
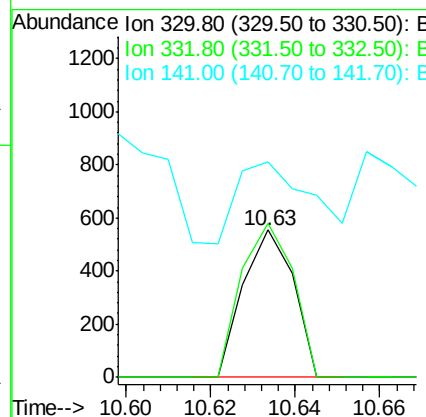
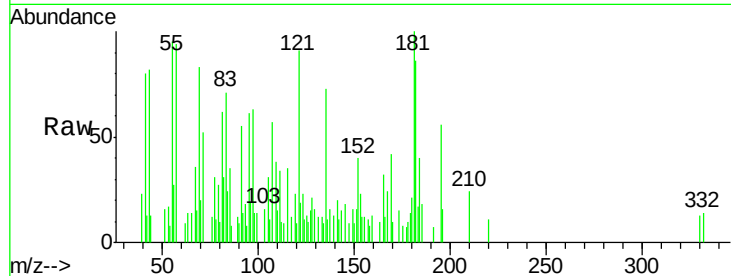
ClientSampleId :

3-4-DENSE-GRADE-AGG-RCARE

Tot Ion:	330	Resp:	456
Ion Ratio	Lower	Upper	
330	100		
332	108.8	77.0	115.6
141	81.1	29.9	44.9#

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#44

2-Fluorobiphenyl

Concen: 64.866 ng

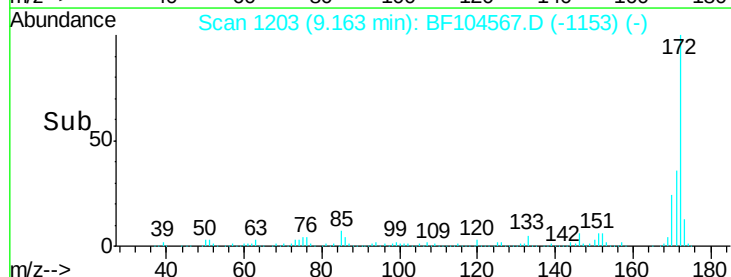
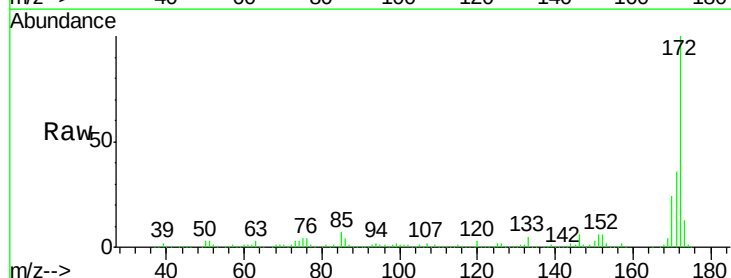
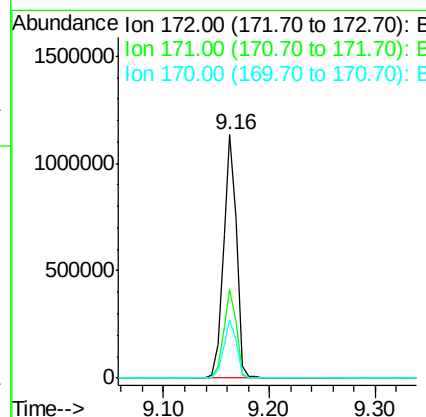
RT: 9.16 min Scan# 1203

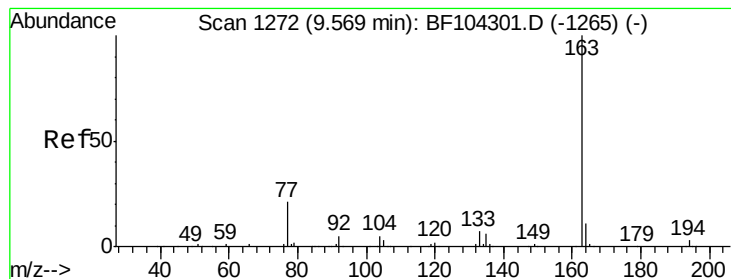
Delta R.T. -0.01 min

Lab File: BF104567.D

Acq: 17 Apr 2018 17:57

Tgt Ion:	172	Resp:	990246
Ion Ratio	Lower	Upper	
172	100		
171	36.3	29.7	44.5
170	24.0	19.6	29.4





#49

Dimethylphthalate

Concen: 6.383 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BF104567.D

Acq: 17 Apr 2018 17:57

Instrument :

BNA_F

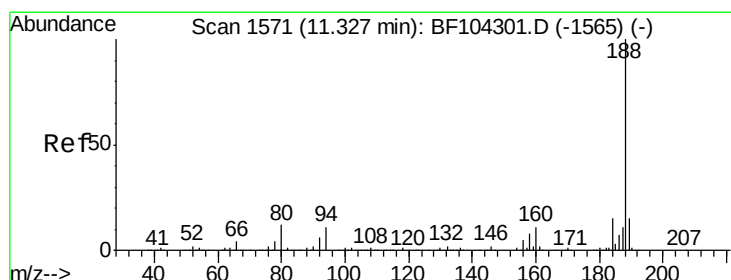
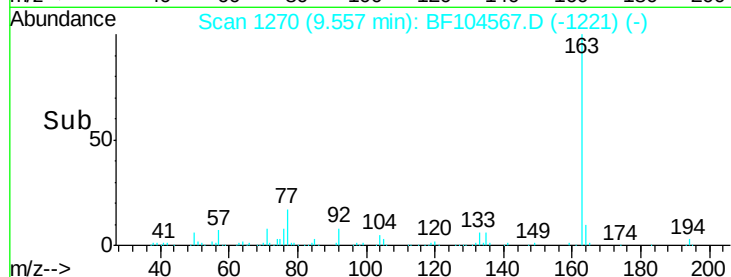
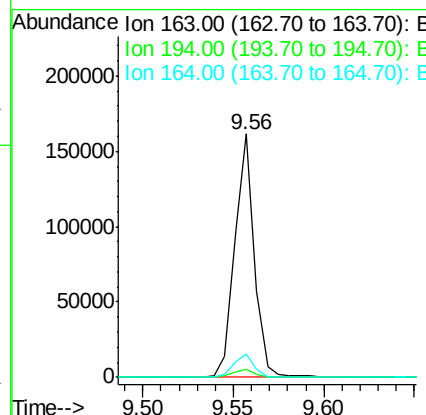
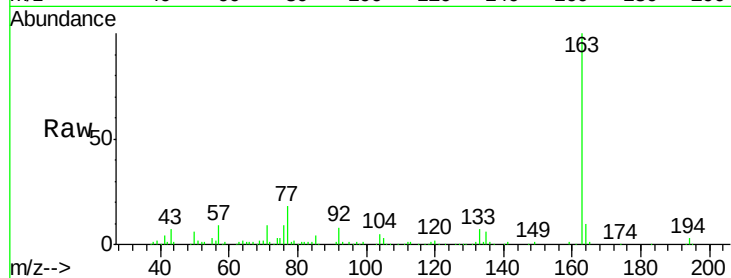
ClientSampleId :

3-4-DENSE-GRADE-AGG-RCARE

Tot Ion:	163	Resp:	121393
Ion Ratio	Lower	Upper	
163	100		
194	3.4	2.7	4.1
164	9.7	8.2	12.2

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#63

Phenanthrene-d10

Concen: 20.000 ng

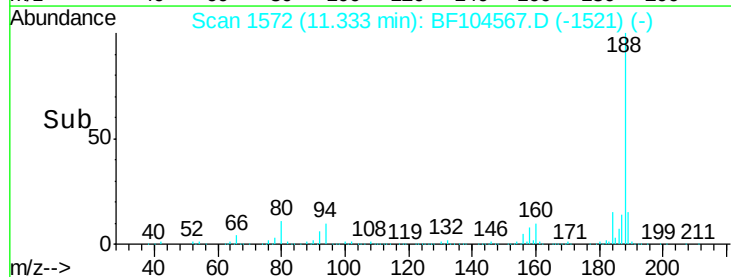
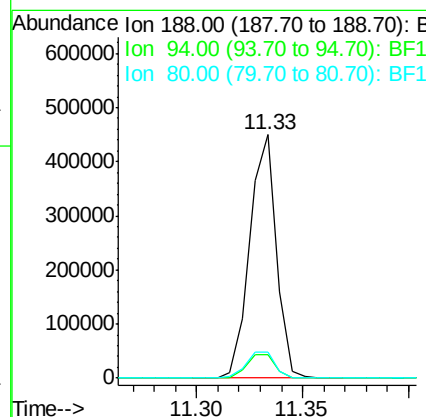
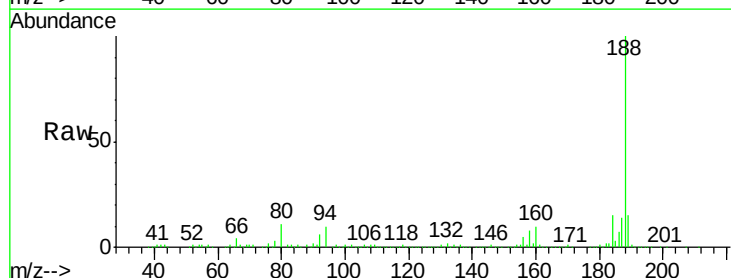
RT: 11.33 min Scan# 1572

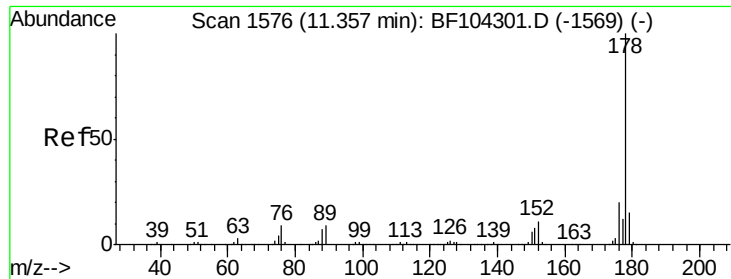
Delta R.T. 0.00 min

Lab File: BF104567.D

Acq: 17 Apr 2018 17:57

Tgt Ion:	188	Resp:	393021
Ion Ratio	Lower	Upper	
188	100		
94	9.6	8.5	12.7
80	10.8	9.2	13.8





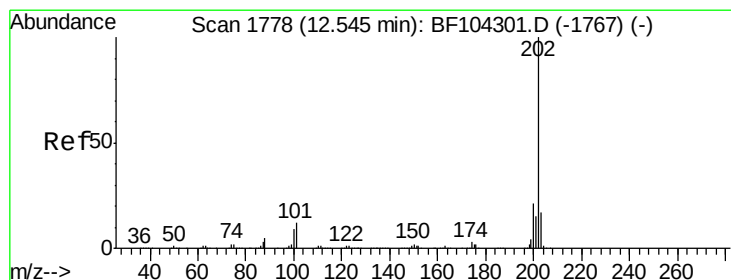
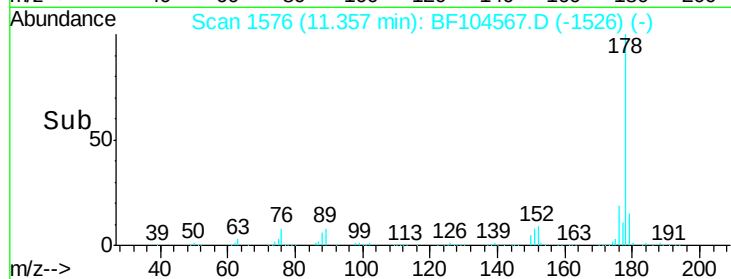
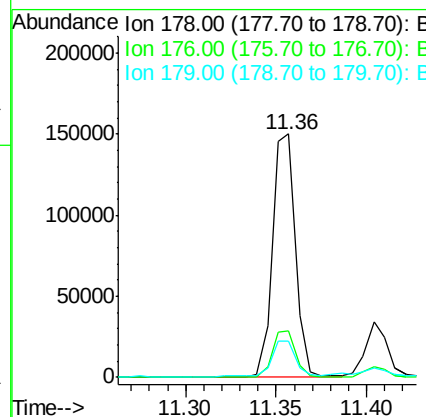
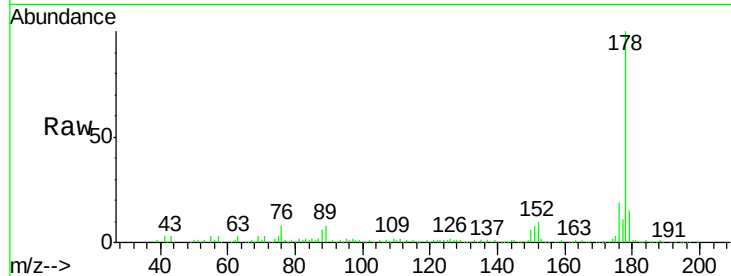
#70
Phenanthrene
Concen: 6.099 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF104567.D
Acq: 17 Apr 2018 17:57

Instrument :
BNA_F
ClientSampleId :
3-4-DENSE-GRADE-AGG-RCARE

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.1	13.0	19.6

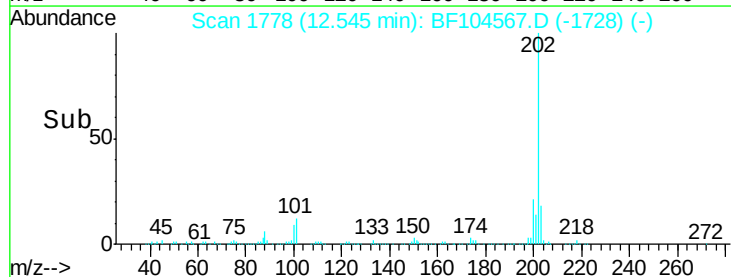
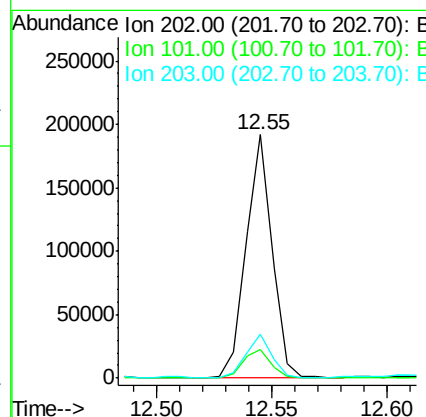
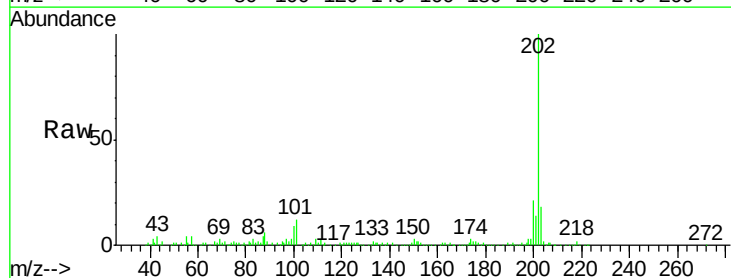
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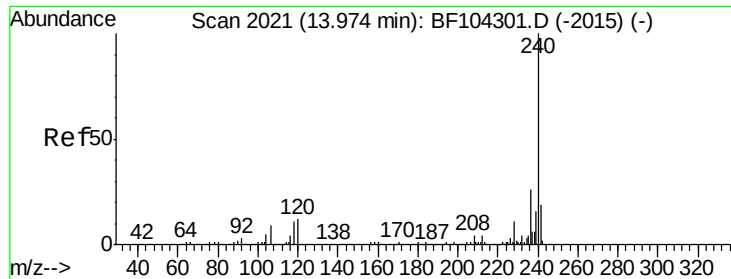
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#74
Fluoranthene
Concen: 6.595 ng
RT: 12.55 min Scan# 1778
Delta R.T. -0.01 min
Lab File: BF104567.D
Acq: 17 Apr 2018 17:57

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	34.1
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF104567.D

Acq: 17 Apr 2018 17:57

Instrument :

BNA_F

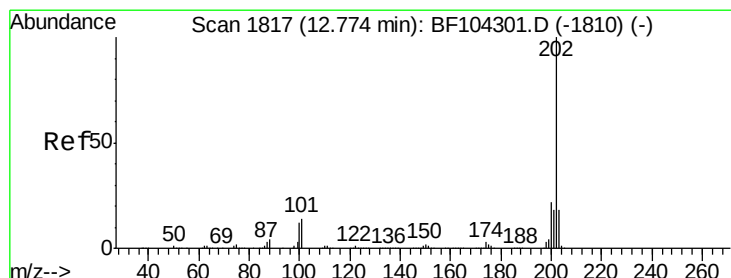
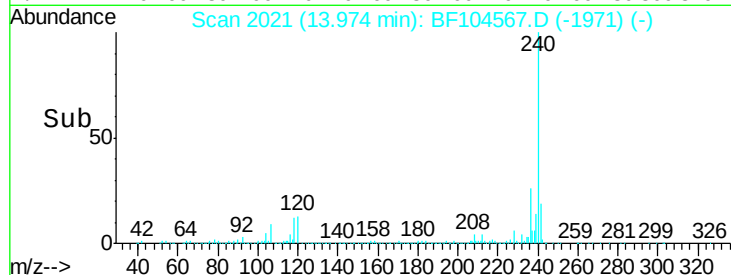
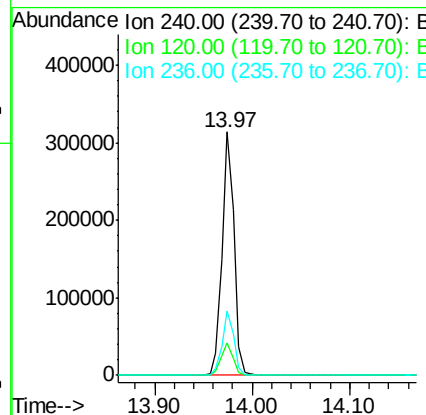
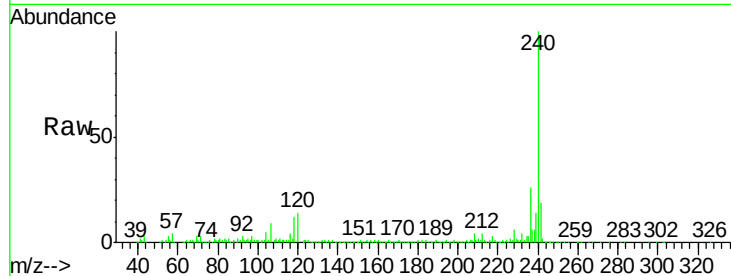
ClientSampleId :

3-4-DENSE-GRADE-AGG-RCARE

Tot Ion:	240	Resp:	267648
Ion Ratio	Lower	Upper	
240	100		
120	13.5	9.5	14.3
236	26.4	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 6.817 ng

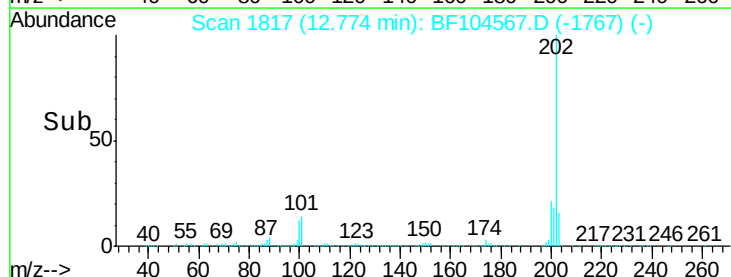
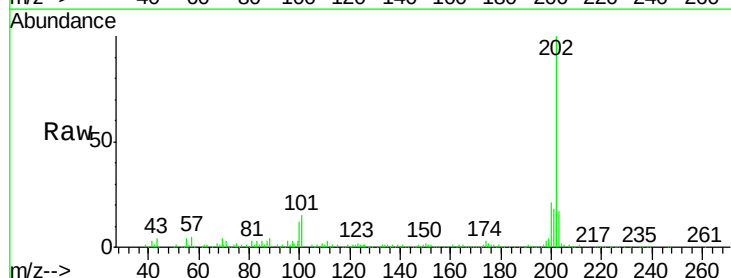
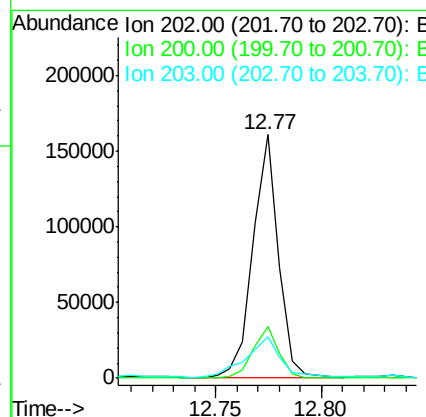
RT: 12.77 min Scan# 1817

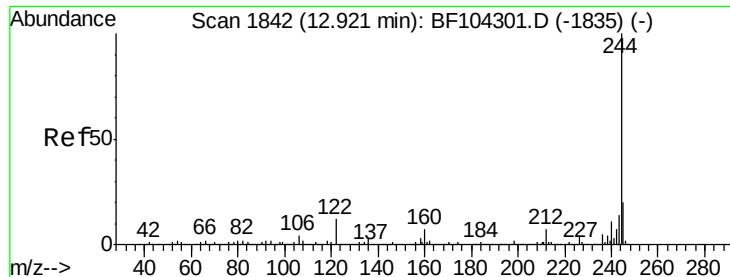
Delta R.T. -0.01 min

Lab File: BF104567.D

Acq: 17 Apr 2018 17:57

Tgt Ion:	202	Resp:	135248
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.4	26.2
203	17.1	14.3	21.5





#78

Terphenyl-d14

Concen: 66.146 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF104567.D

Acq: 17 Apr 2018 17:57

Instrument :

BNA_F

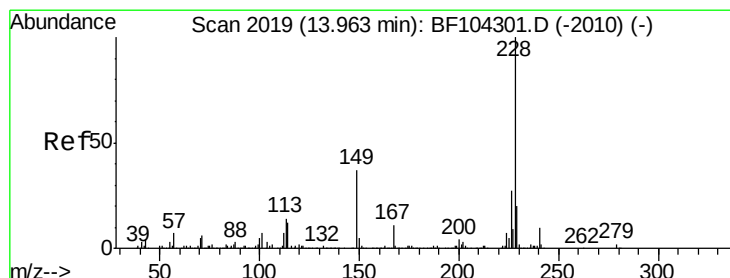
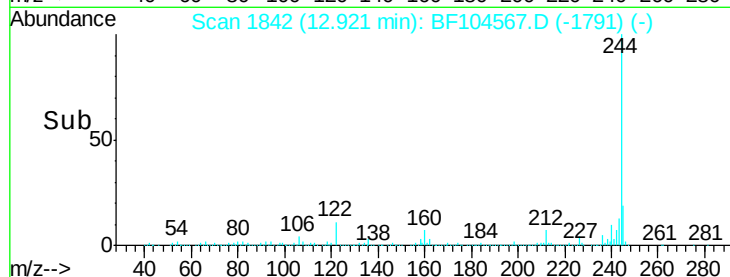
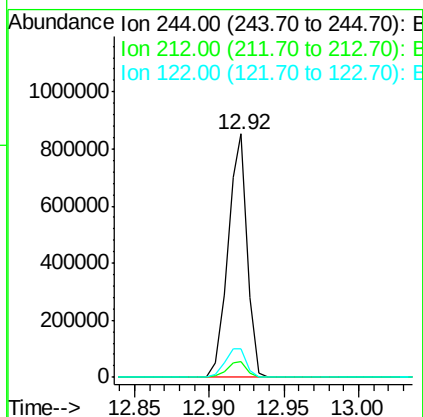
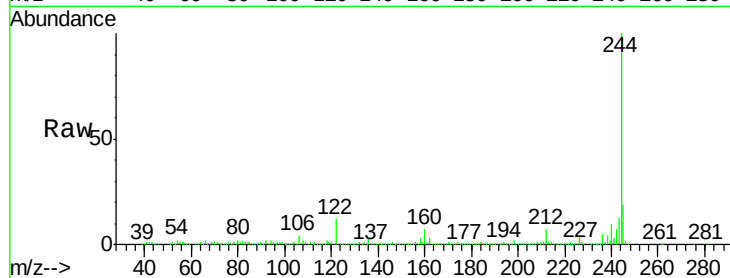
ClientSampleId :

3-4-DENSE-GRADE-AGG-RCARE

Tot Ion:	244	Resp:	776537
Ion Ratio		Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.5	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 3.906 ng

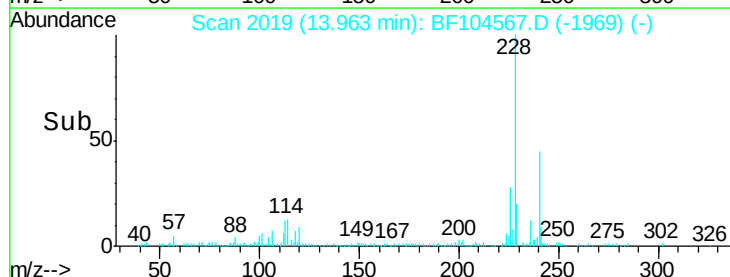
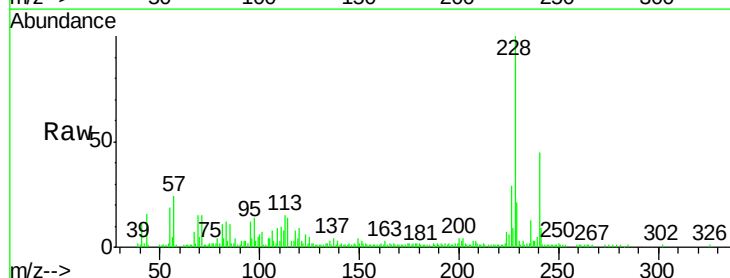
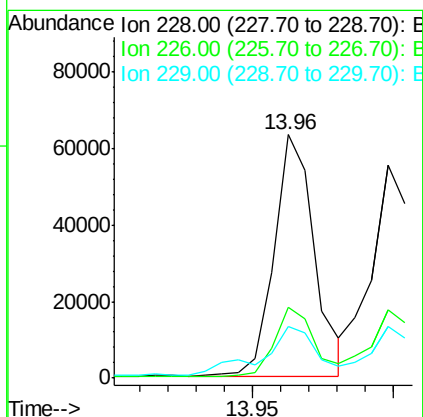
RT: 13.96 min Scan# 2019

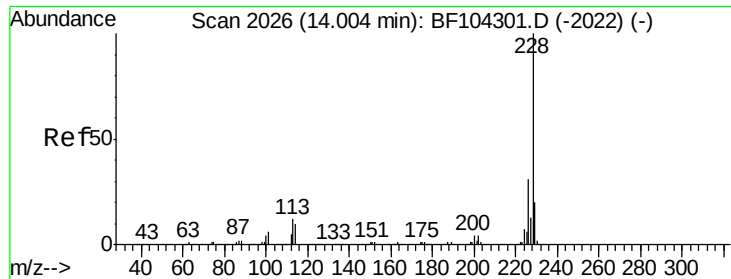
Delta R.T. -0.01 min

Lab File: BF104567.D

Acq: 17 Apr 2018 17:57

Tgt Ion:	228	Resp:	62463
Ion Ratio		Lower	Upper
228	100		
226	28.9	22.6	33.8
229	21.0	15.8	23.6





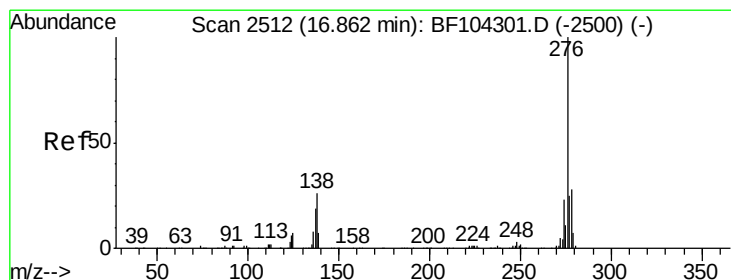
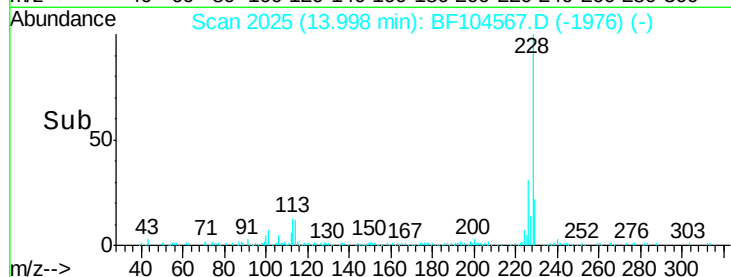
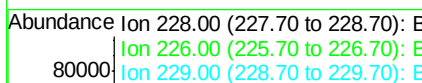
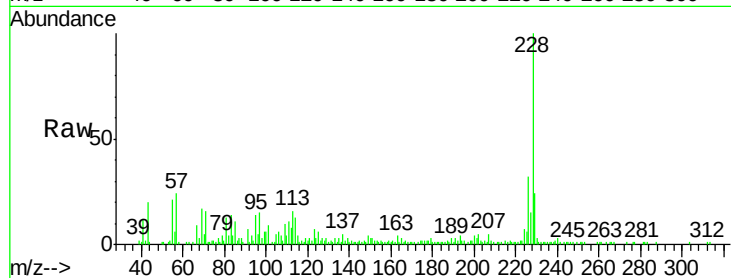
#82
Chrysene
Concen: 3.344 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF104567.D
Acq: 17 Apr 2018 17:57

Instrument :
BNA_F
ClientSampleId :
3-4-DENSE-GRADE-AGG-RCARE

Tot Ion:228	Resp:	54917
Ion Ratio	Lower	Upper
228 100		
226 31.9	25.0	37.6
229 24.1	16.2	24.4

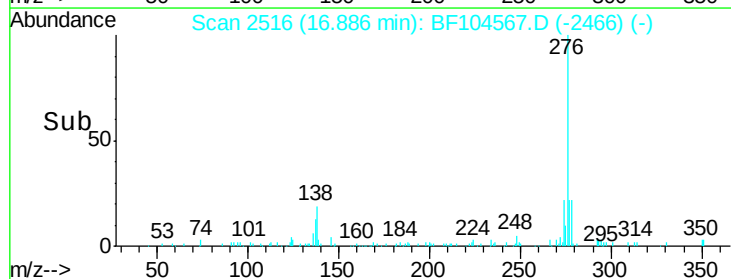
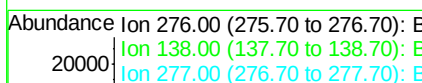
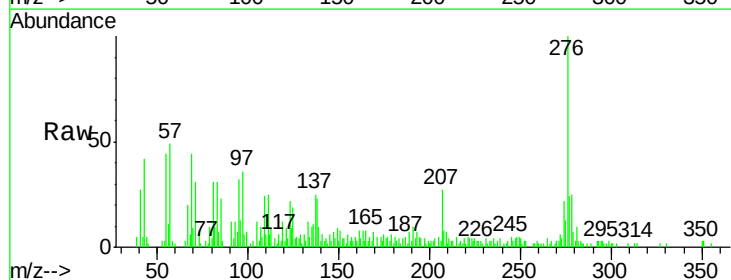
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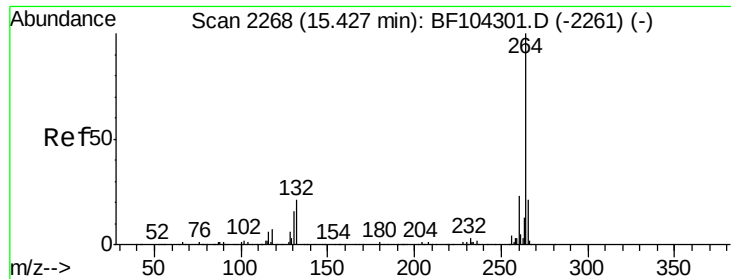
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.029 ng
RT: 16.89 min Scan# 2516
Delta R.T. -0.01 min
Lab File: BF104567.D
Acq: 17 Apr 2018 17:57

Tgt Ion:276	Resp:	28304
Ion Ratio	Lower	Upper
276 100		
138 25.6	25.0	37.6
277 25.5	20.1	30.1





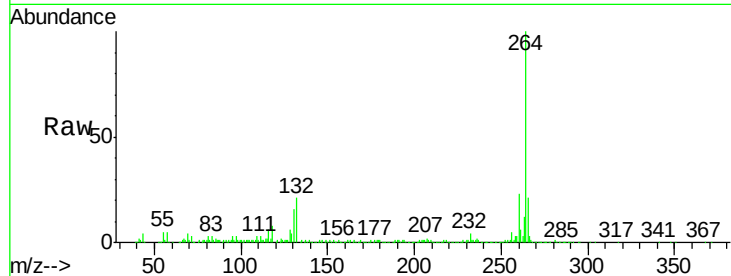
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.00 min
Lab File: BF104567.D
Acq: 17 Apr 2018 17:57

Instrument :
BNA_F
ClientSampleId :
3-4-DENSE-GRADE-AGG-RCARE

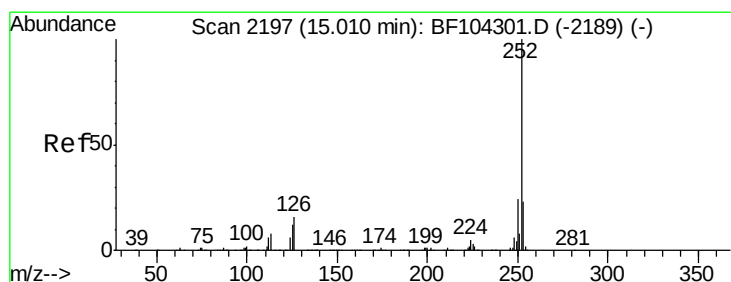
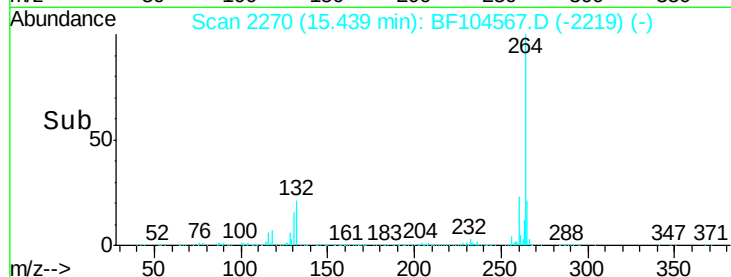
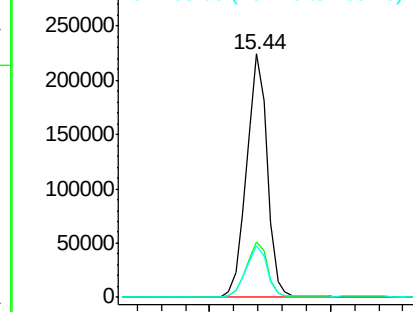
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.2	28.8
265	21.1	17.5	26.3

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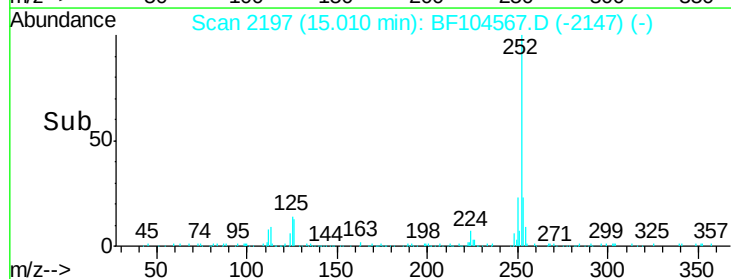
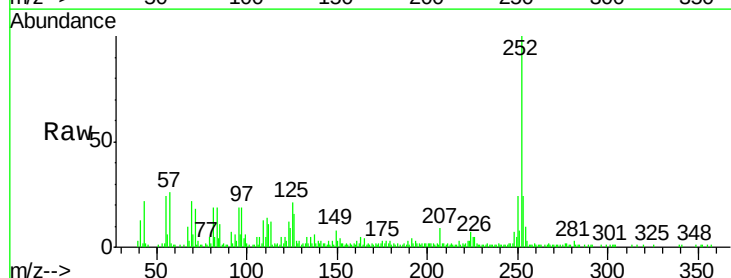
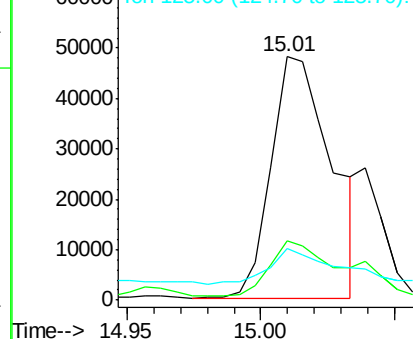
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

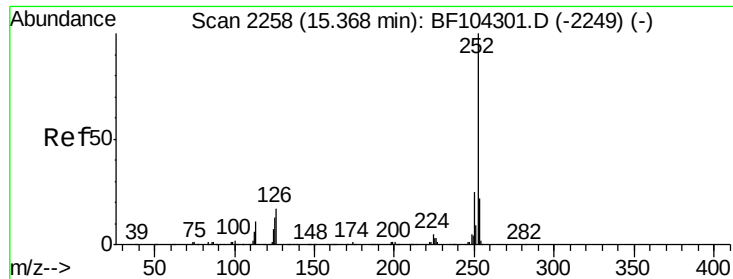


#87
Benzo(b)fluoranthene
Concen: 4.439 ng m
RT: 15.01 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BF104567.D
Acq: 17 Apr 2018 17:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.0	25.6
125	21.4	9.0	13.6#

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





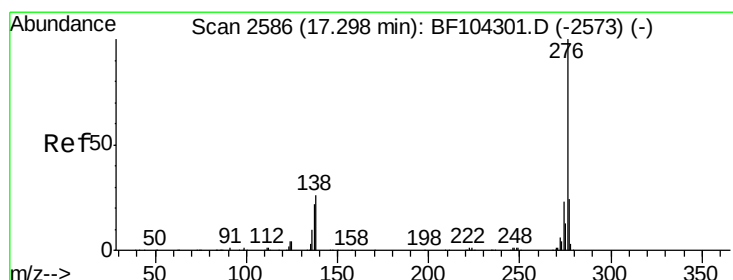
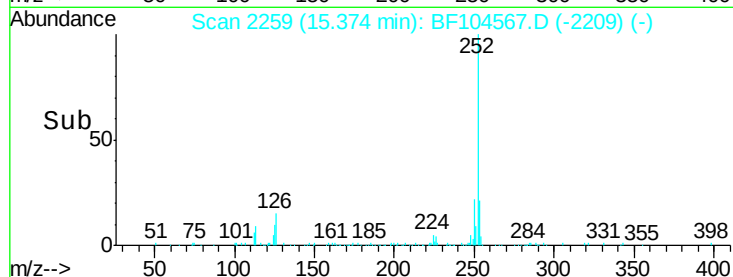
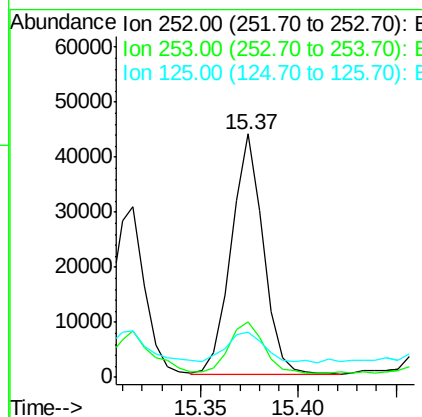
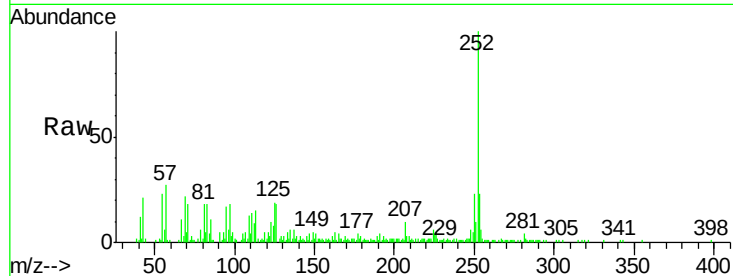
#89
Benzo(a)pyrene
Concen: 3.262 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF104567.D
Acq: 17 Apr 2018 17:57

Instrument :
BNA_F
ClientSampleId :
3-4-DENSE-GRADE-AGG-RCARE

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	18.6	9.8	14.6

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#91
Benzo(g,h,i)perylene
Concen: 2.409 ng
RT: 17.32 min Scan# 2590
Delta R.T. -0.01 min
Lab File: BF104567.D
Acq: 17 Apr 2018 17:57

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.5	17.9	26.9
138	27.7	21.8	32.8

