

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
 Data File : BF104542.D
 Acq On : 16 Apr 2018 19:34
 Operator : JU/SJ
 Sample : J2393-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Sohil
 4/17/2018 10:09:04 AM

Quant Time: Apr 17 01:16:48 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 16 12:15:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	151927	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	628124	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	286823	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	492903	20.00	ng	0.00
75) Chrysene-d12	13.98	240	292143	20.00	ng	-0.01
86) Perylene-d12	15.44	264	300305	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	26632	2.68	ng	0.00
7) Phenol-d6	6.44	99	391087	32.03	ng	-0.01
23) Nitrobenzene-d5	7.37	82	644758	67.03	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	677	0.23	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1158180	63.79	ng	0.00
78) Terphenyl-d14	12.93	244	979124	76.41	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.56	163	142337	6.293	ng	98
70) Phenanthrene	11.36	178	167952	6.119	ng	96
74) Fluoranthene	12.55	202	192385	6.708	ng	99
77) Pyrene	12.78	202	176375	8.145	ng	99
80) Benzo(a)anthracene	13.97	228	67396	3.862	ng	96
82) Chrysene	14.01	228	63729	3.555	ng	98
85) Indeno(1,2,3-cd)pyrene	16.90	276	36430	2.392	ng	95
87) Benzo(b)fluoranthene	15.02	252	75871m	4.000	ng	
89) Benzo(a)pyrene	15.38	252	55103	3.247	ng	# 89
91) Benzo(g,h,i)perylene	17.34	276	33376	2.472	ng	# 91

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

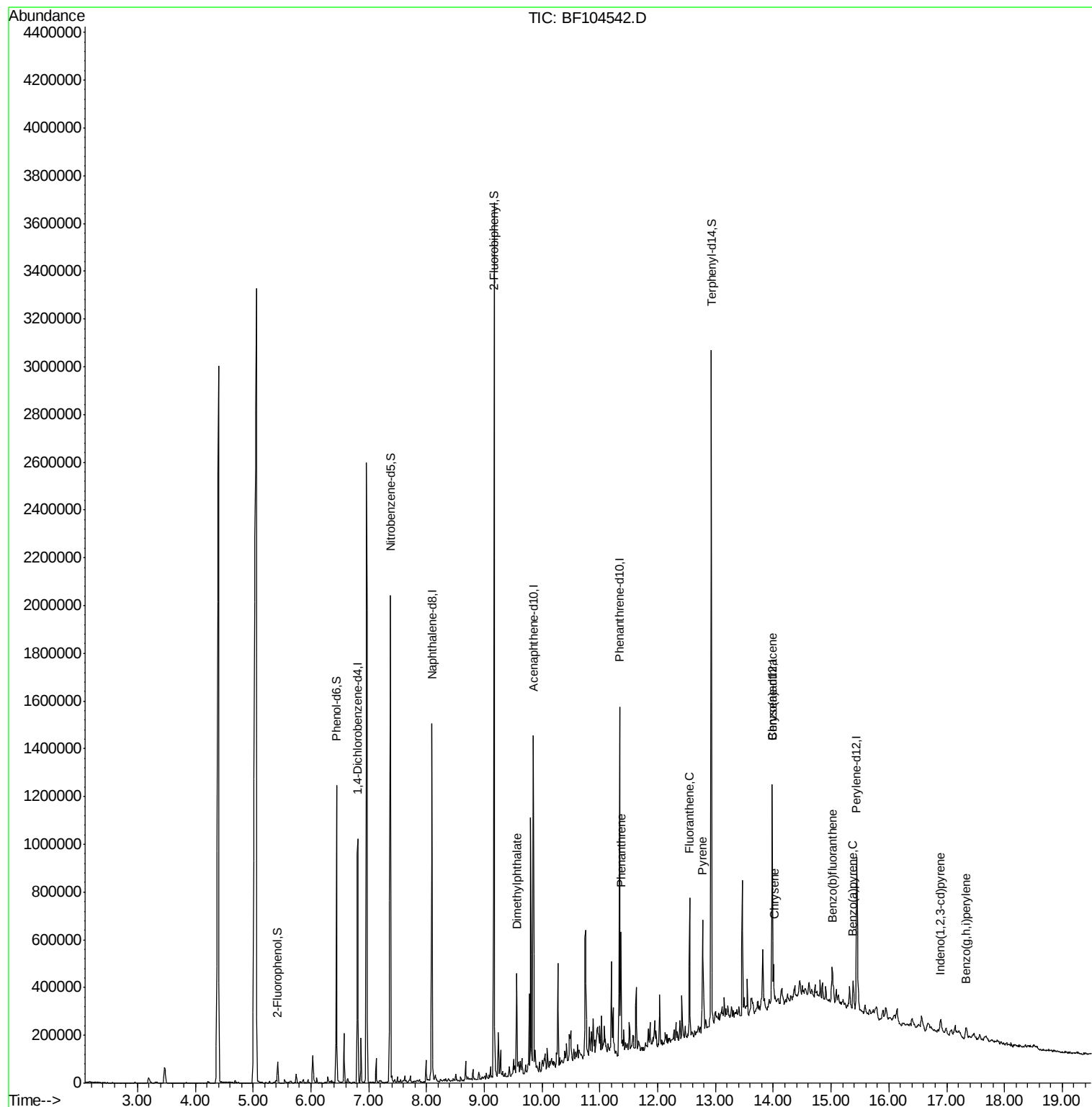
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
Data File : BF104542.D
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Operator : JU/SJ
Sample : J2393-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

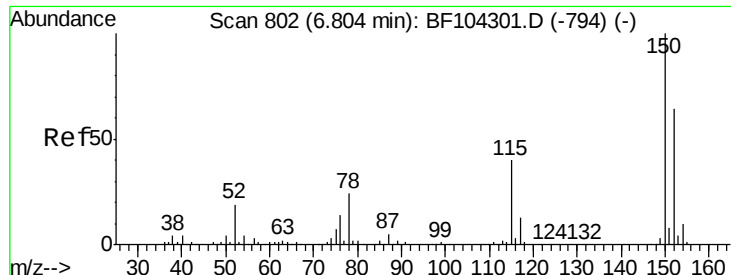
Instrument :
BNA_F
ClientSampleId :
3-4-DENSE-GRADE-AGG-RCA

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#1

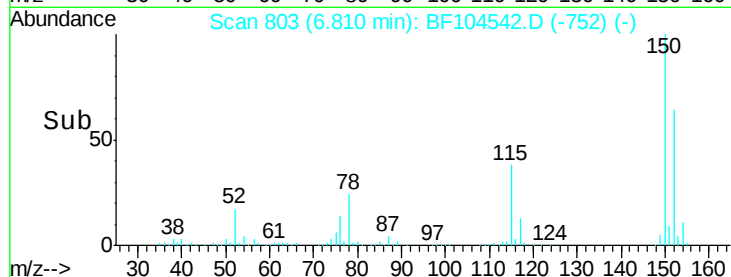
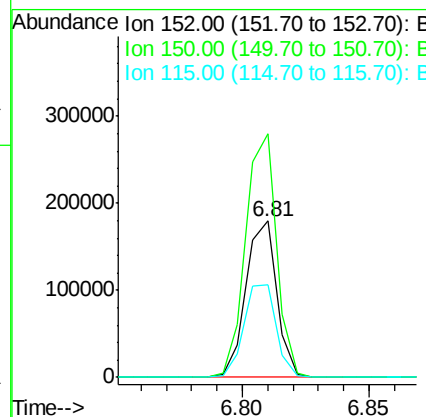
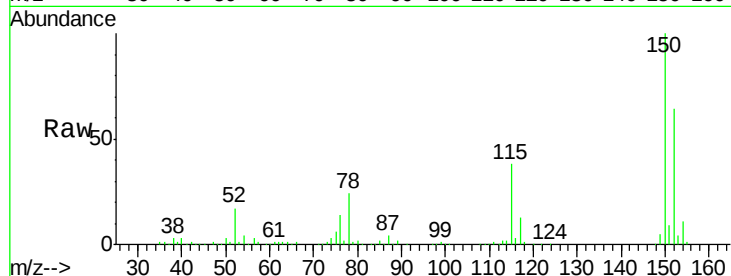
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF104542.D
Acq: 16 Apr 2018 19:34

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.6	186.8
115	59.7	50.1	75.1

Manual Integrations
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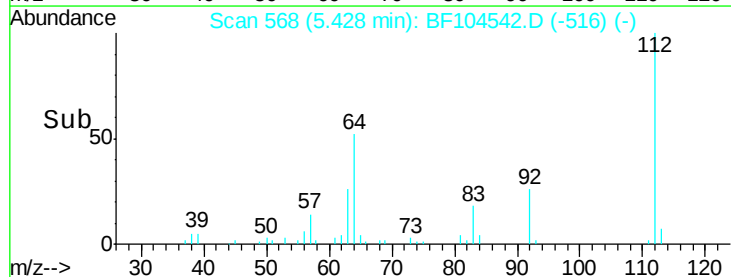
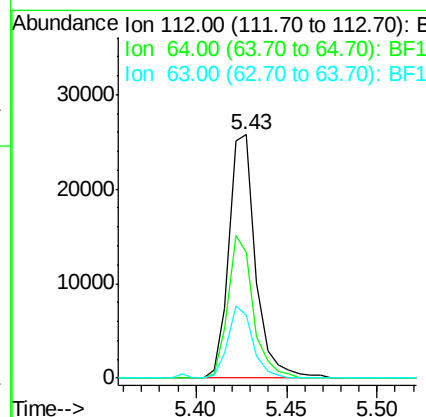
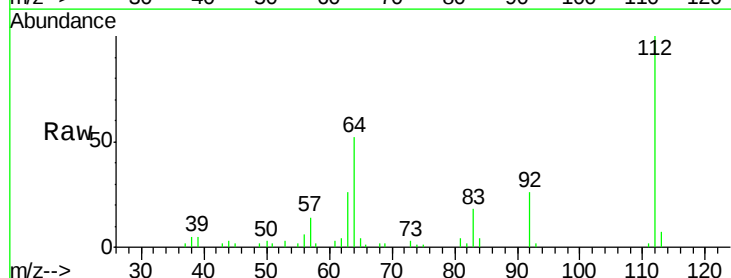
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#5

2-Fluorophenol
Concen: 2.680 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104542.D
Acq: 16 Apr 2018 19:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.8	47.9	71.9
63	26.0	23.7	35.5





#7

Phenol-d6

Concen: 32.035 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104542.D

Acq: 16 Apr 2018 19:34

Instrument :

BNA_F

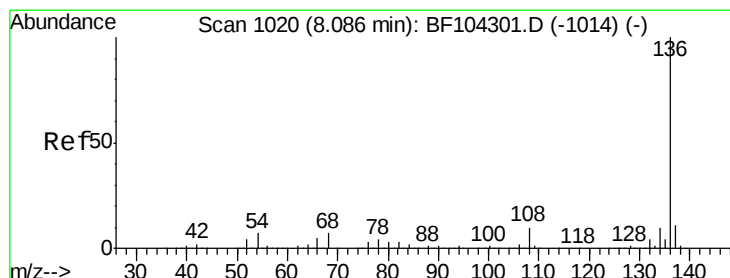
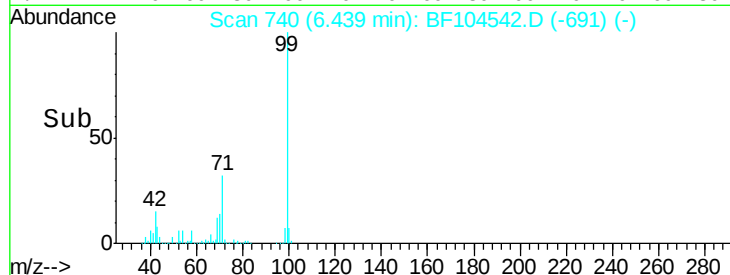
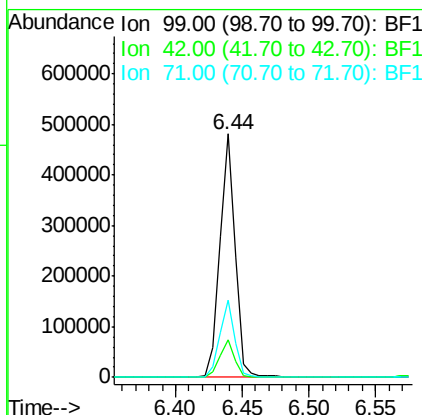
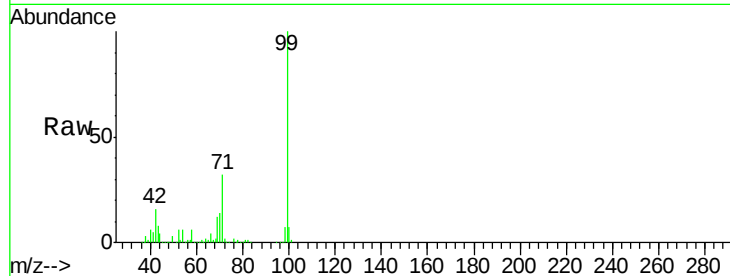
ClientSampleId :

3-4-DENSE-GRADE-AGG-RCA

Tot Ion:	99	Resp:	391087
Ion	Ratio	Lower	Upper
99	100		
42	15.6	14.5	21.7
71	31.6	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

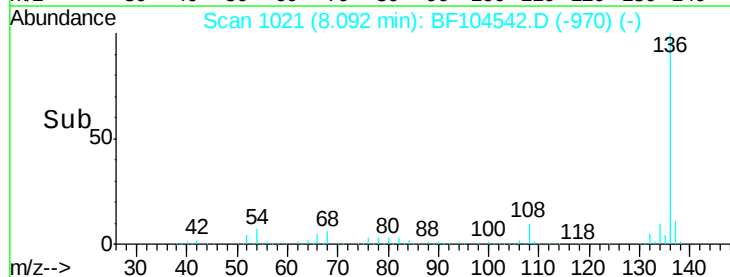
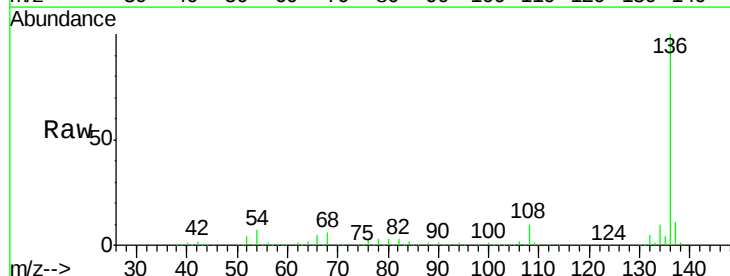
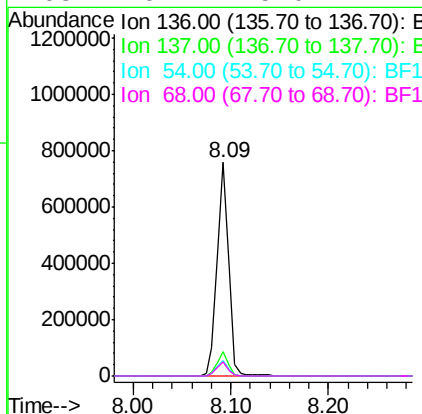
RT: 8.09 min Scan# 1021

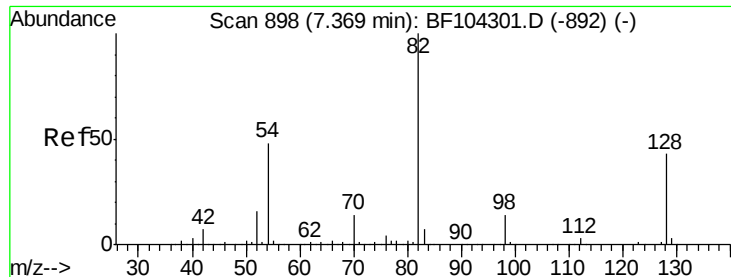
Delta R.T. -0.00 min

Lab File: BF104542.D

Acq: 16 Apr 2018 19:34

Tgt Ion:	136	Resp:	628124
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.2	6.6	9.8
68	6.4	5.0	7.4





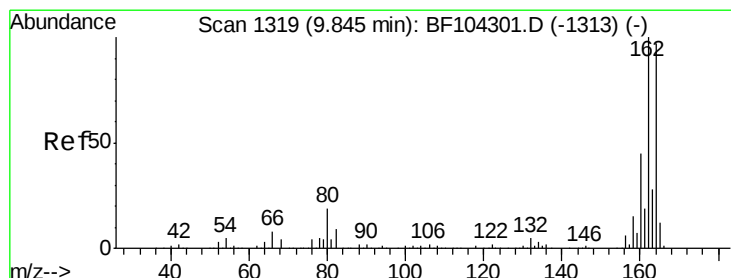
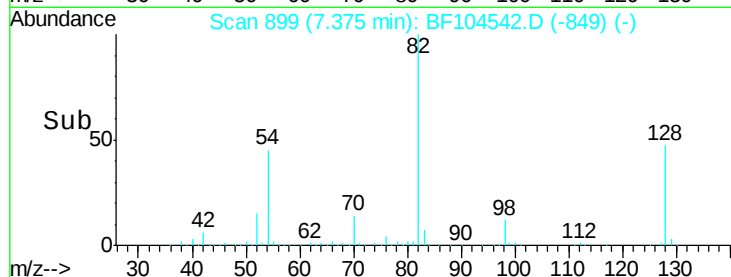
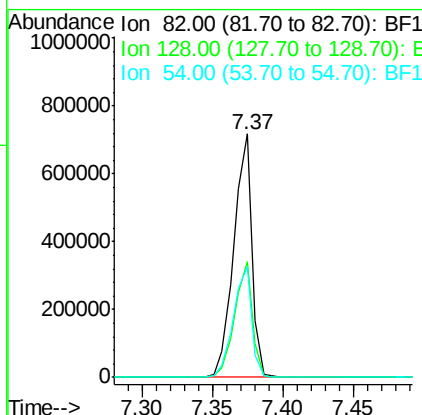
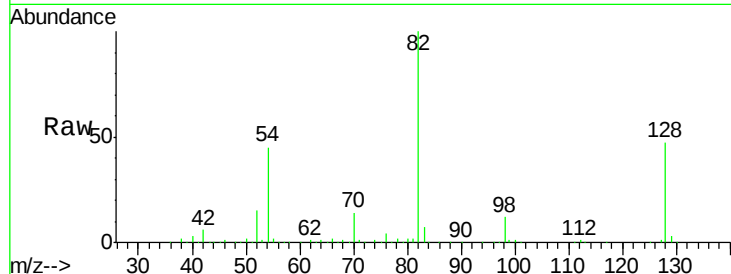
#23
 Nitrobenzene-d5
 Concen: 67.027 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: BF104542.D
 Acq: 16 Apr 2018 19:34

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.3	36.1	54.1
54	45.3	41.4	62.2

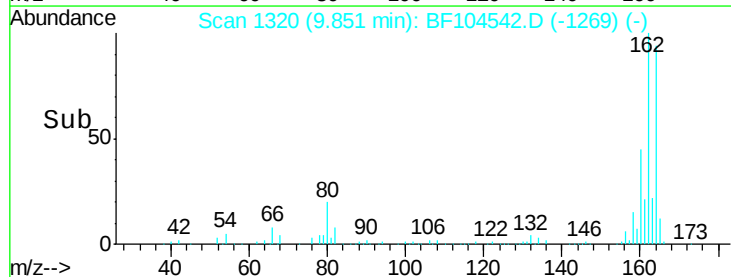
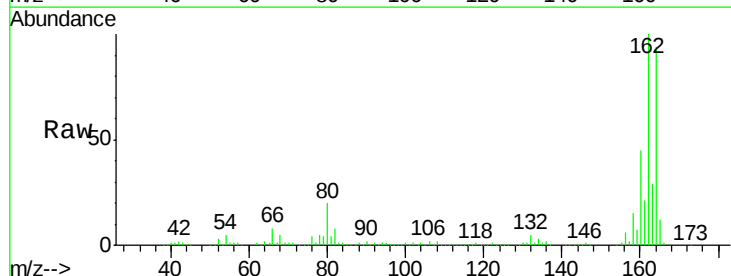
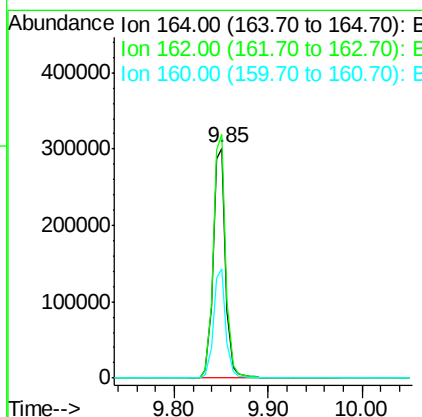
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: BF104542.D
 Acq: 16 Apr 2018 19:34

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.9	86.1	129.1
160	47.5	38.3	57.5





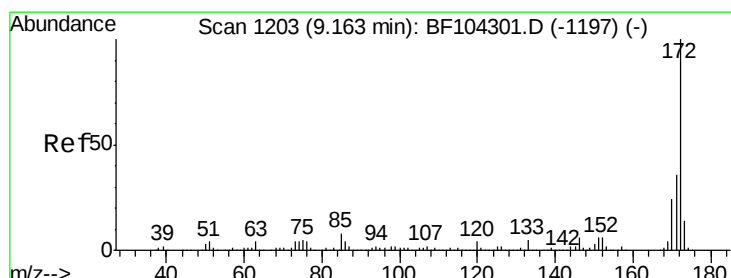
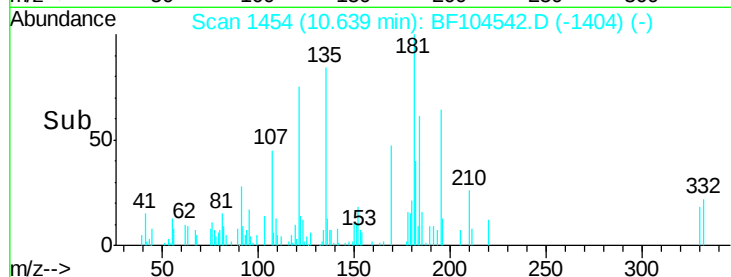
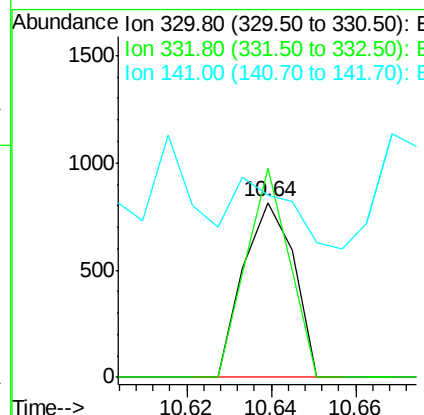
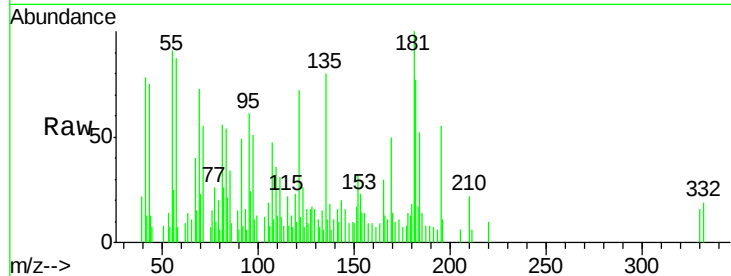
#41
 2,4,6-Tribromophenol
 Concen: 0.228 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF104542.D
 Acq: 16 Apr 2018 19:34

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	102.2	77.0	115.6
141	44.0	29.9	44.9

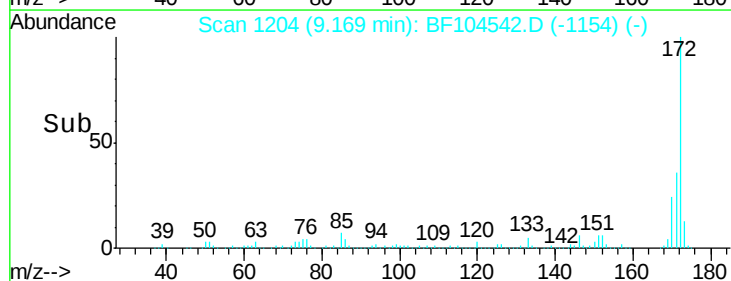
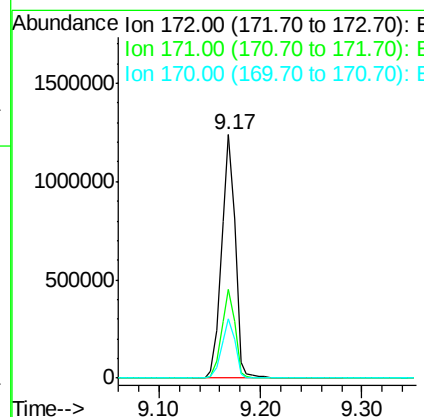
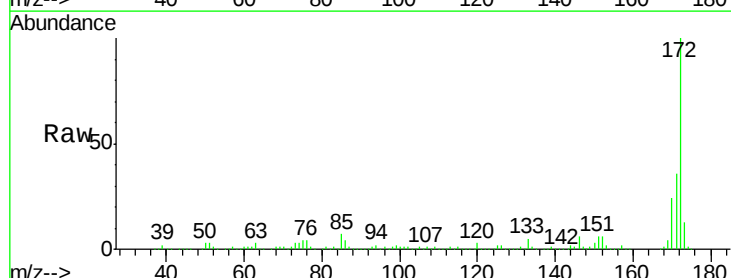
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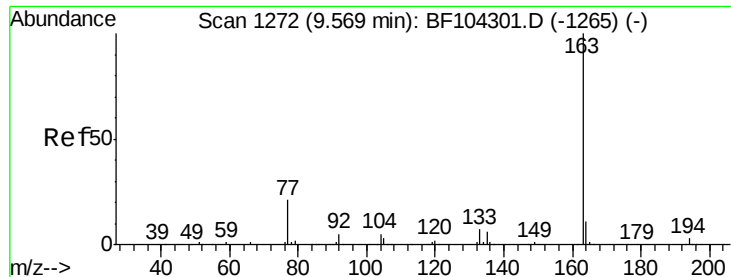
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#44
 2-Fluorobiphenyl
 Concen: 63.790 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF104542.D
 Acq: 16 Apr 2018 19:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.3	19.6	29.4





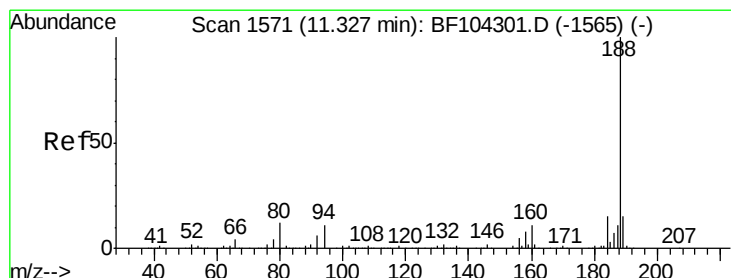
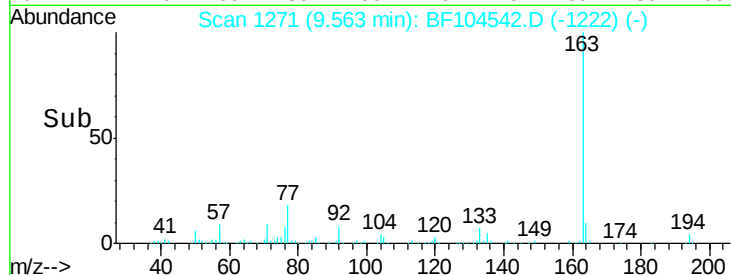
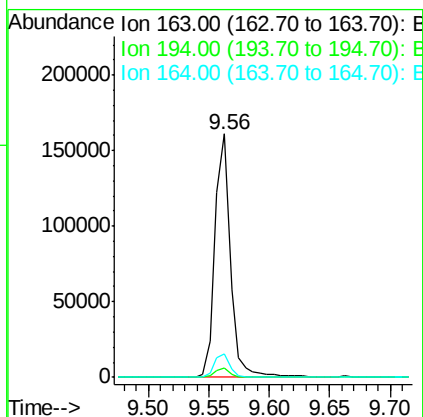
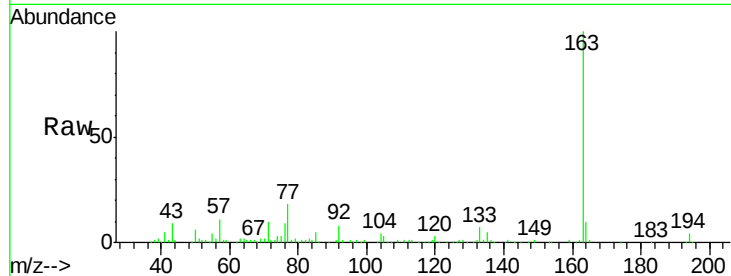
#49
Dimethylphthalate
Concen: 6.293 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104542.D
Acq: 16 Apr 2018 19:34

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

Tot Ion:	163	Resp:	142337
Ion Ratio	Lower	Upper	
163	100		
194	3.9	2.7	4.1
164	9.6	8.2	12.2

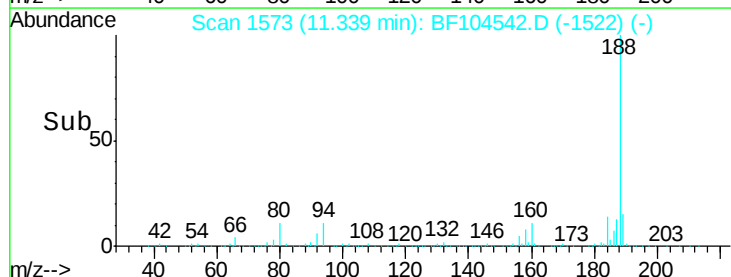
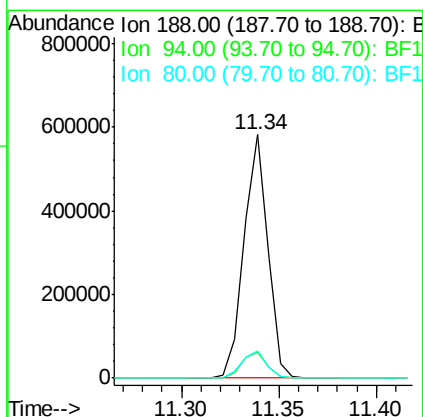
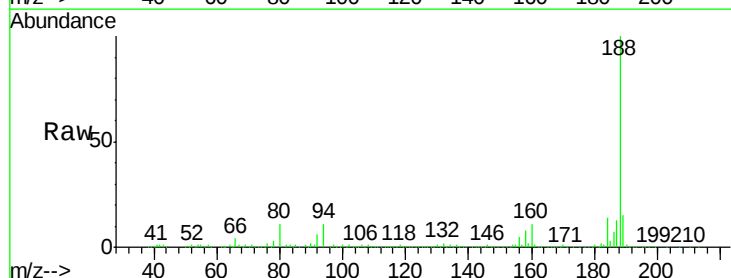
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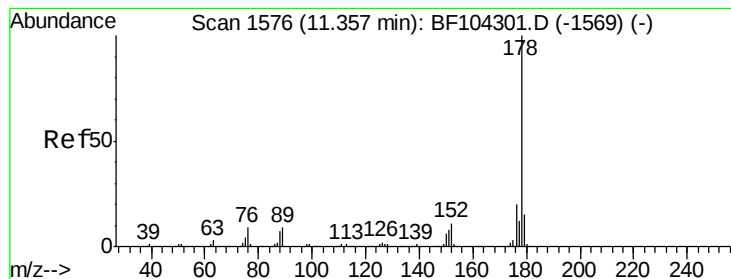
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BF104542.D
Acq: 16 Apr 2018 19:34

Tgt Ion:	188	Resp:	492903
Ion Ratio	Lower	Upper	
188	100		
94	10.7	8.5	12.7
80	11.4	9.2	13.8





#70

Phenanthrene

Concen: 6.119 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF104542.D

Acq: 16 Apr 2018 19:34

Instrument :

BNA_F

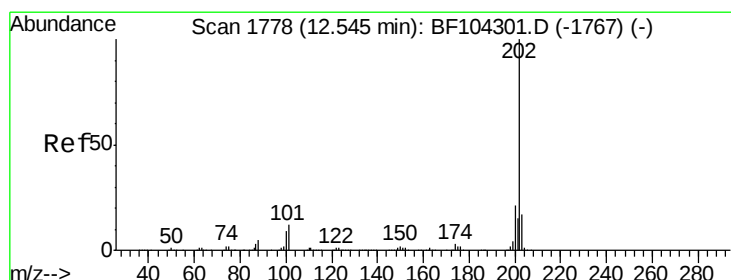
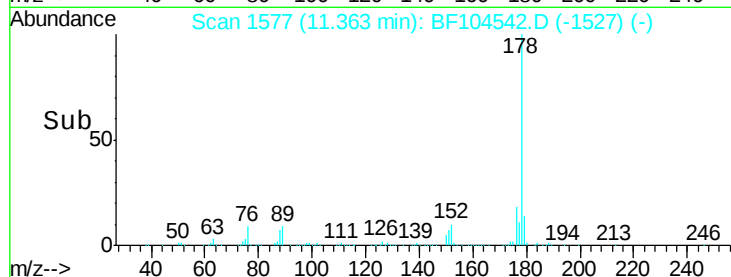
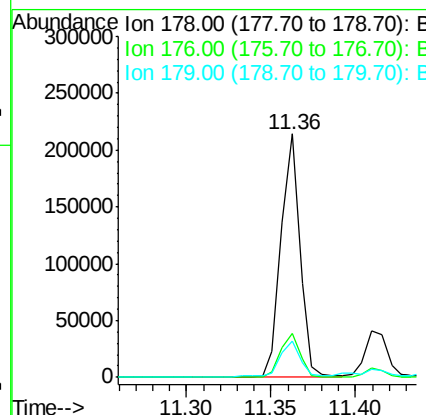
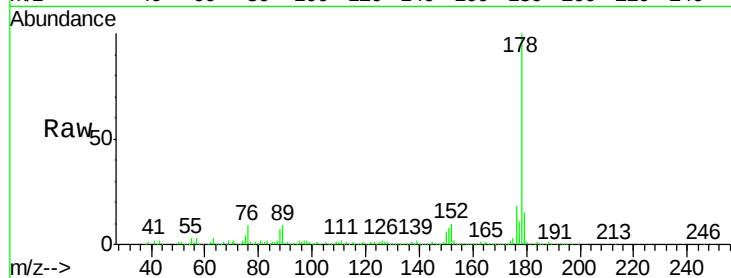
ClientSampleId :

3-4-DENSE-GRADE-AGG-RCA

Tot Ion:	178	Resp:	167952
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.8	23.8
179	14.8	13.0	19.6

Manual Integrations
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#74

Fluoranthene

Concen: 6.708 ng

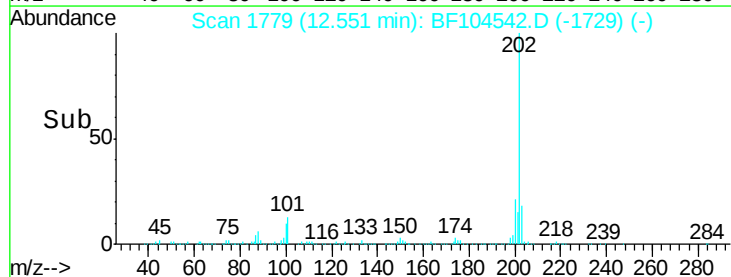
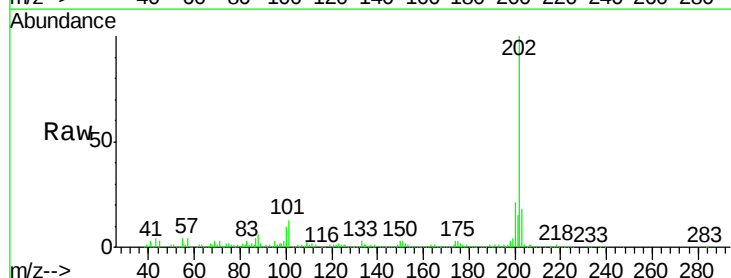
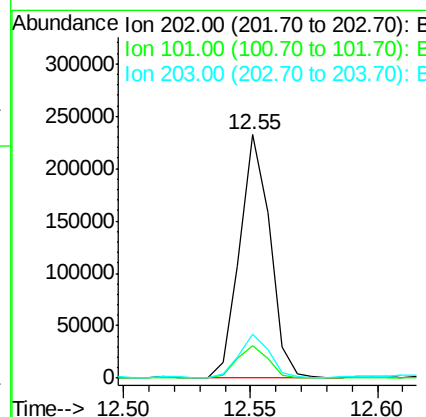
RT: 12.55 min Scan# 1779

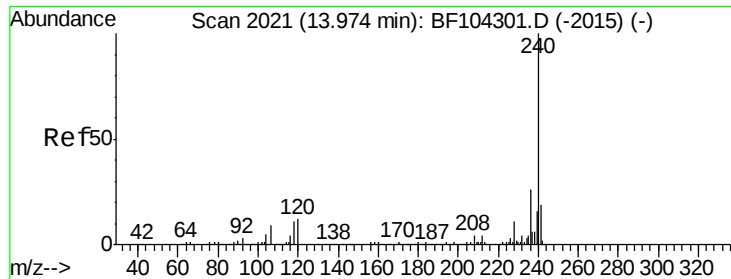
Delta R.T. -0.01 min

Lab File: BF104542.D

Acq: 16 Apr 2018 19:34

Tgt Ion:	202	Resp:	192385
Ion Ratio	Lower	Upper	
202	100		
101	13.5	0.0	34.1
203	18.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104542.D

Acq: 16 Apr 2018 19:34

Instrument :

BNA_F

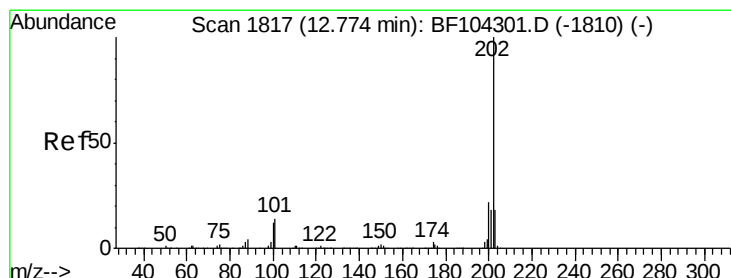
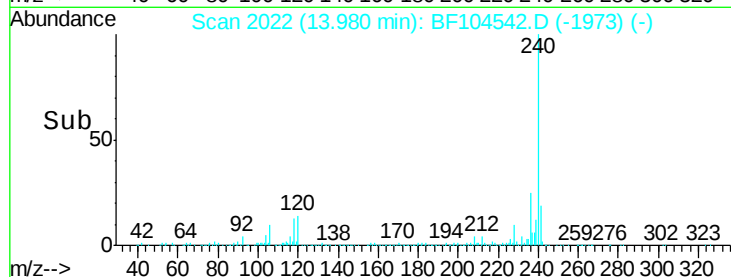
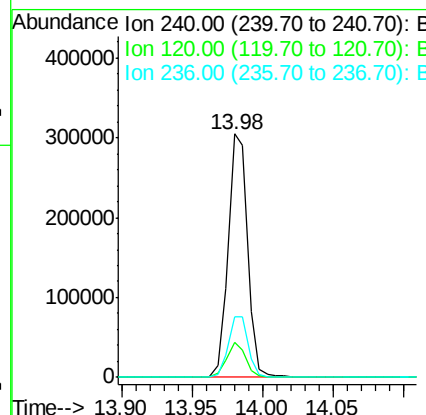
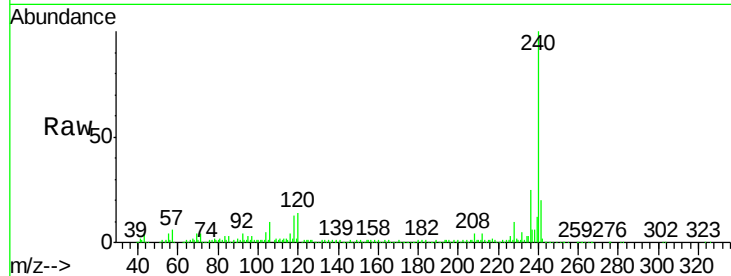
ClientSampleId :

3-4-DENSE-GRADE-AGG-RCA

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.4	9.5	14.3#
236	25.0	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 8.145 ng

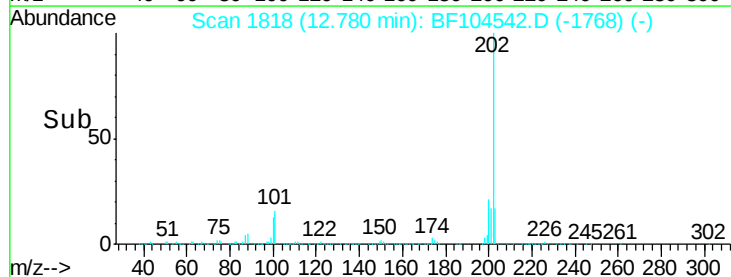
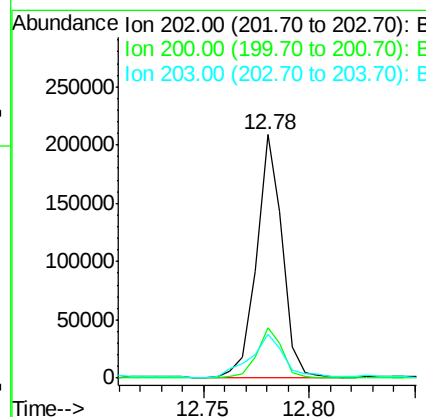
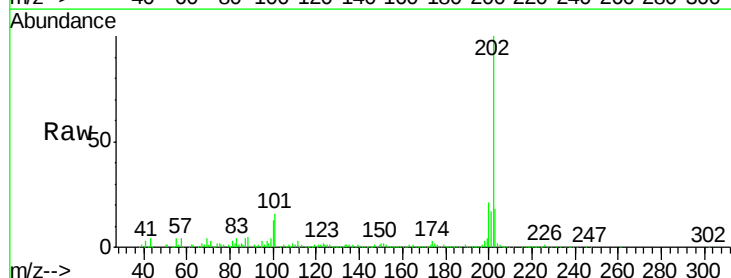
RT: 12.78 min Scan# 1818

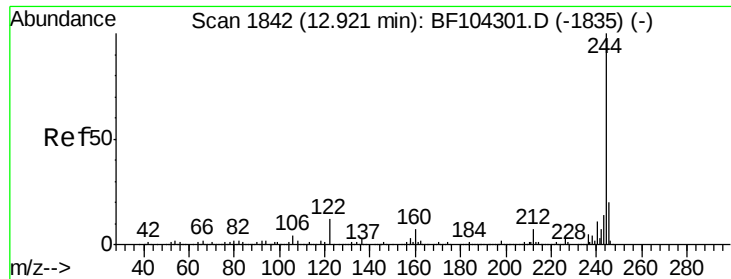
Delta R.T. -0.01 min

Lab File: BF104542.D

Acq: 16 Apr 2018 19:34

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.4	26.2
203	18.0	14.3	21.5





#78

Terphenyl-d14

Concen: 76.409 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.00 min

Lab File: BF104542.D

Acq: 16 Apr 2018 19:34

Instrument :

BNA_F

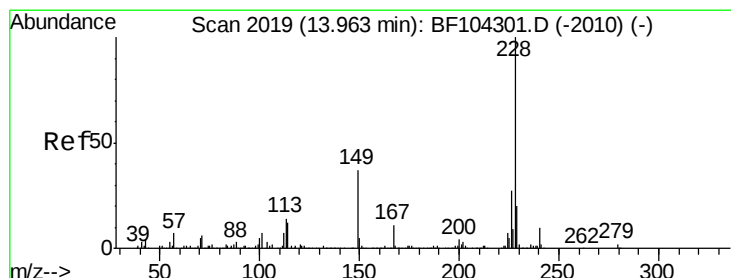
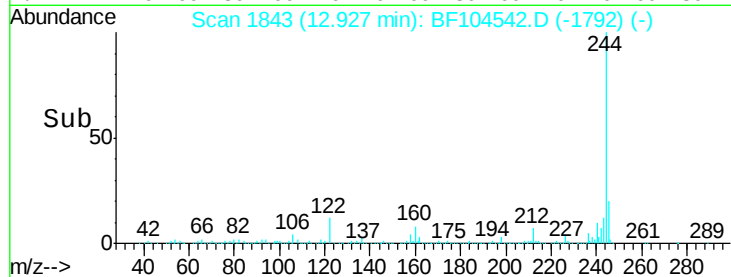
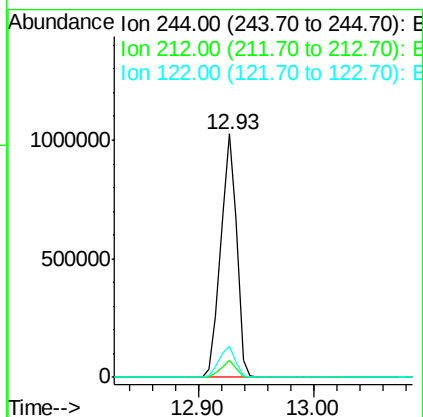
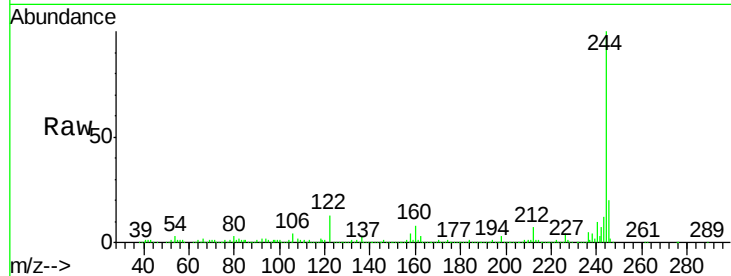
ClientSampleId :

3-4-DENSE-GRADE-AGG-RCA

Tot Ion:	244	Resp:	979124
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.4	8.0
122	12.6	11.0	16.4

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 3.862 ng

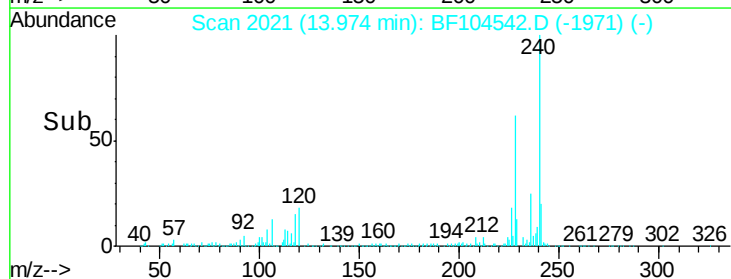
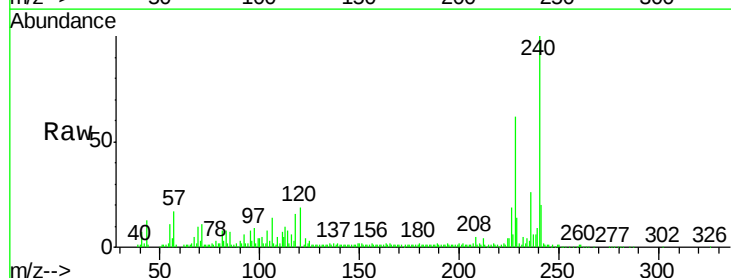
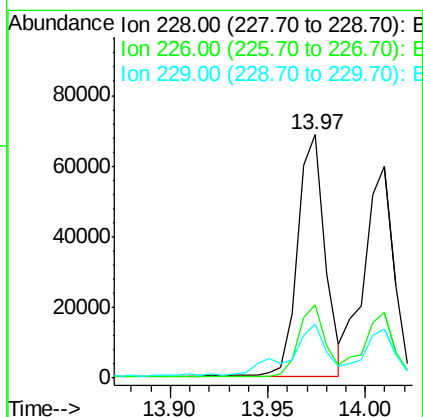
RT: 13.97 min Scan# 2021

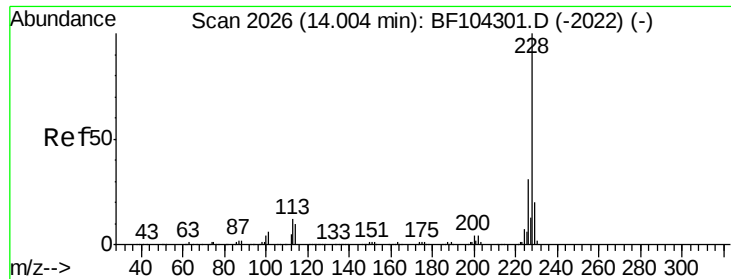
Delta R.T. -0.01 min

Lab File: BF104542.D

Acq: 16 Apr 2018 19:34

Tgt Ion:	228	Resp:	67396
Ion Ratio	Lower	Upper	
228	100		
226	30.2	22.6	33.8
229	22.2	15.8	23.6





#82

Chrysene

Concen: 3.555 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF104542.D

Acq: 16 Apr 2018 19:34

Instrument :

BNA_F

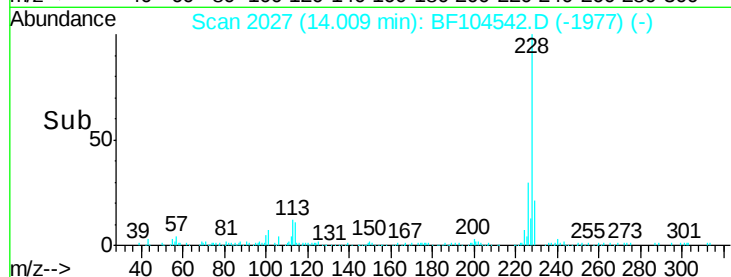
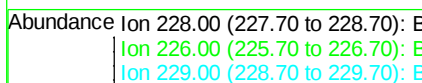
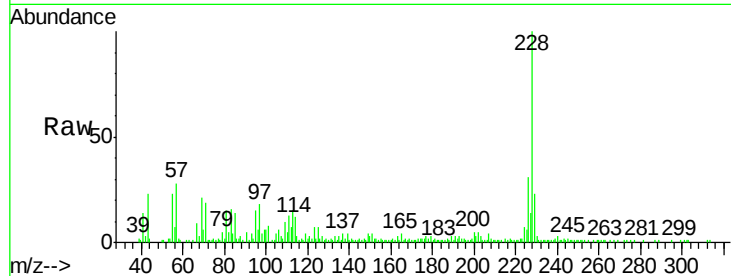
ClientSampleId :

3-4-DENSE-GRADE-AGG-RCA

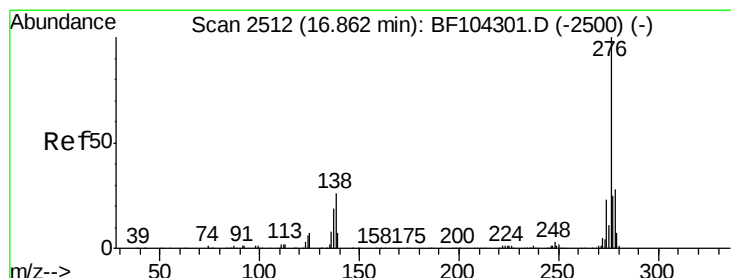
Tot Ion:	228	Resp:	63729
Ion Ratio	Lower	Upper	
228	100		
226	31.2	25.0	37.6
229	23.0	16.2	24.4

Manual Integrations
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Time-->



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.392 ng

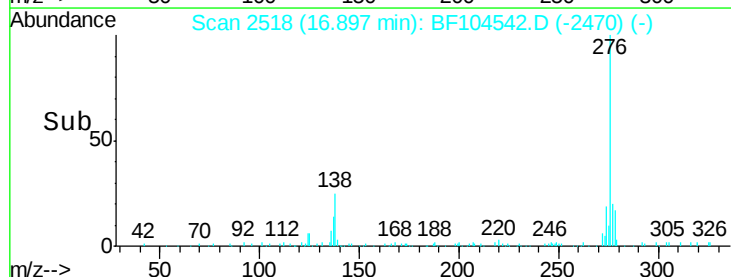
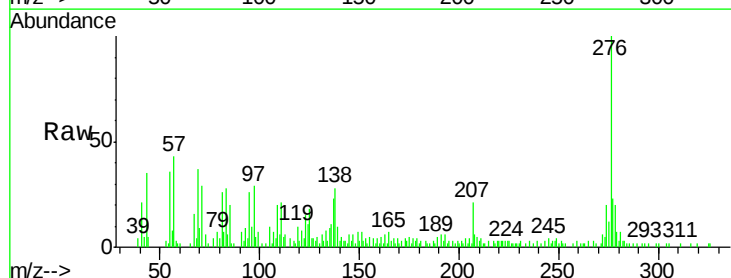
RT: 16.90 min Scan# 2518

Delta R.T. -0.02 min

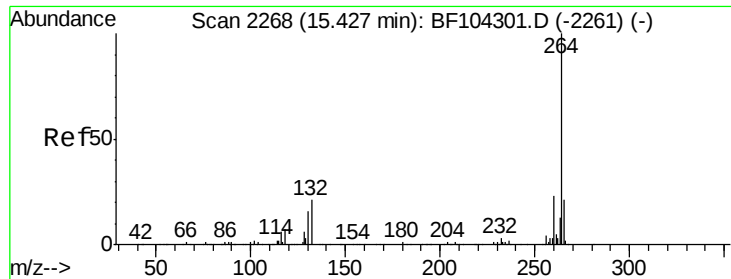
Lab File: BF104542.D

Acq: 16 Apr 2018 19:34

Tgt Ion:	276	Resp:	36430
Ion Ratio	Lower	Upper	
276	100		
138	27.1	25.0	37.6
277	24.4	20.1	30.1



Time-->



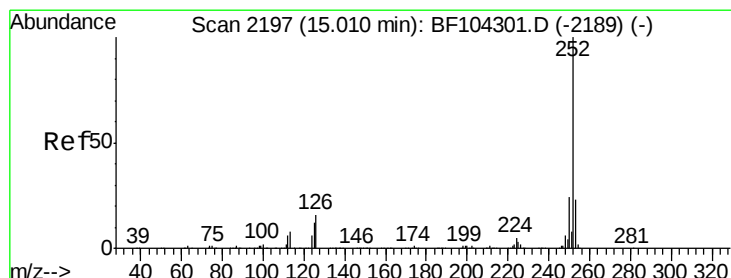
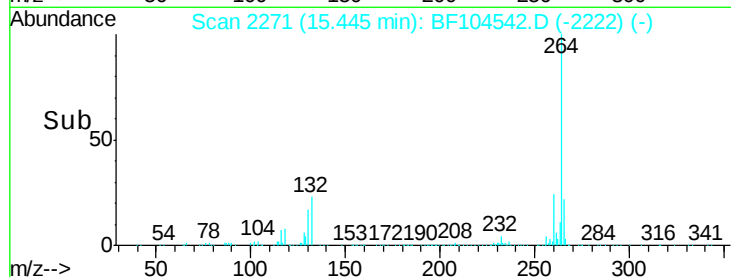
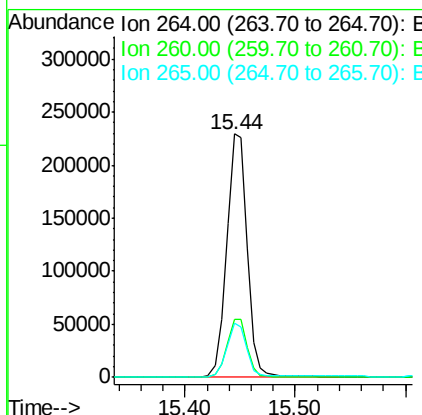
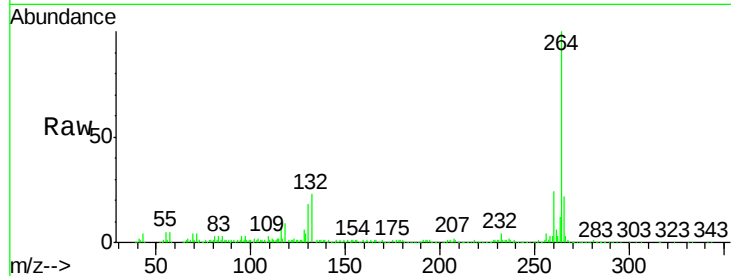
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF104542.D
Acq: 16 Apr 2018 19:34

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.1	17.5	26.3

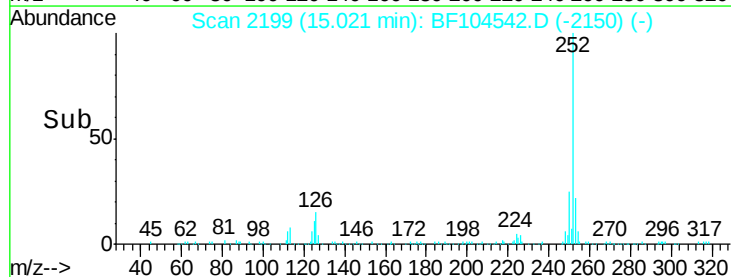
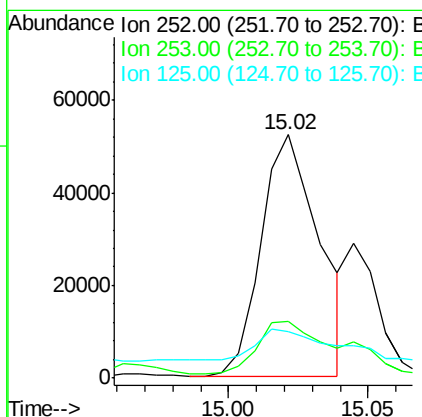
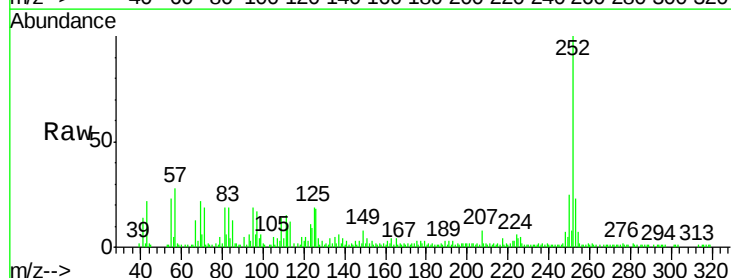
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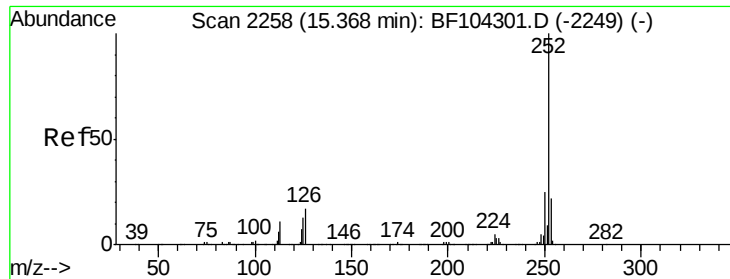
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#87
Benzo(b)fluoranthene
Concen: 4.000 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF104542.D
Acq: 16 Apr 2018 19:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	19.2	9.0	13.6#





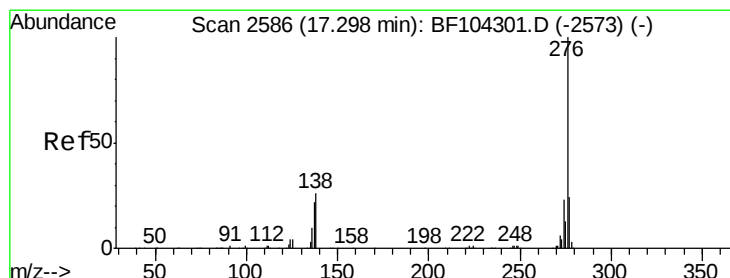
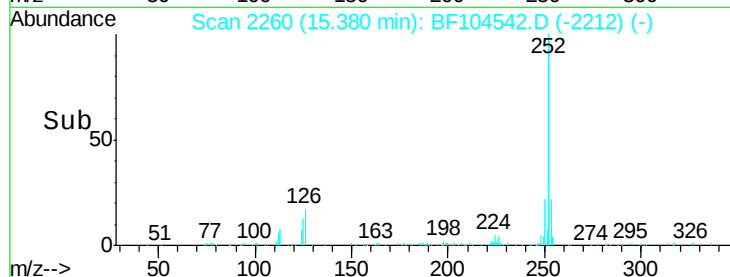
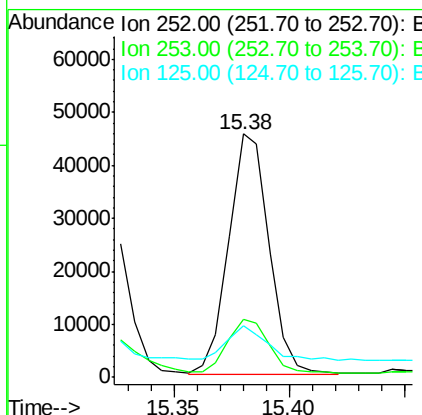
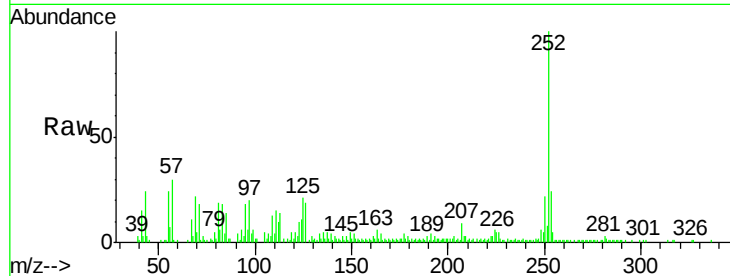
#89
Benzo(a)pyrene
Concen: 3.247 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.02 min
Lab File: BF104542.D
Acq: 16 Apr 2018 19:34

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	21.0	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.472 ng
RT: 17.34 min Scan# 2593
Delta R.T. -0.02 min
Lab File: BF104542.D
Acq: 16 Apr 2018 19:34

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.9	17.9	26.9
138	30.5	21.8	32.8

