

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF022218\
 Data File : BF103166.D
 Acq On : 22 Feb 2018 17:03
 Operator : SJ/JU
 Sample : J1640-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2-2-DENSE-GRADE-AGG-RCA

Manual Integrations
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Sohil
 2/23/2018 10:20:39 AM

Quant Time: Feb 23 03:23:02 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 22 14:52:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	161407	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	684370	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	289021	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	421717	20.00	ng	0.00
75) Chrysene-d12	14.04	240	265689	20.00	ng	0.00
86) Perylene-d12	15.54	264	298304	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	26863	2.52	ng	0.01
7) Phenol-d6	6.50	99	432535	33.12	ng	0.00
23) Nitrobenzene-d5	7.43	82	614683	51.29	ng	0.00
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.23	172	971144	52.66	ng	0.00
78) Terphenyl-d14	12.98	244	622003	56.28	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.62	163	100518	4.335	ng	99
59) Diethylphthalate	10.32	149	49102	2.214	ng	98
70) Phenanthrene	11.42	178	84561	3.644	ng	97
74) Fluoranthene	12.62	202	111228	4.769	ng	99
77) Pyrene	12.84	202	108833	5.254	ng	98
80) Benzo(a)anthracene	14.03	228	55775	3.235	ng	98
82) Chrysene	14.07	228	51491	3.076	ng	97
85) Indeno(1,2,3-cd)pyrene	17.05	276	35932	2.712	ng	99
87) Benzo(b)fluoranthene	15.10	252	84812	4.324	ng	# 91
89) Benzo(a)pyrene	15.47	252	60513	3.455	ng	# 93
91) Benzo(g,h,i)perylene	17.51	276	35924	2.716	ng	# 87

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

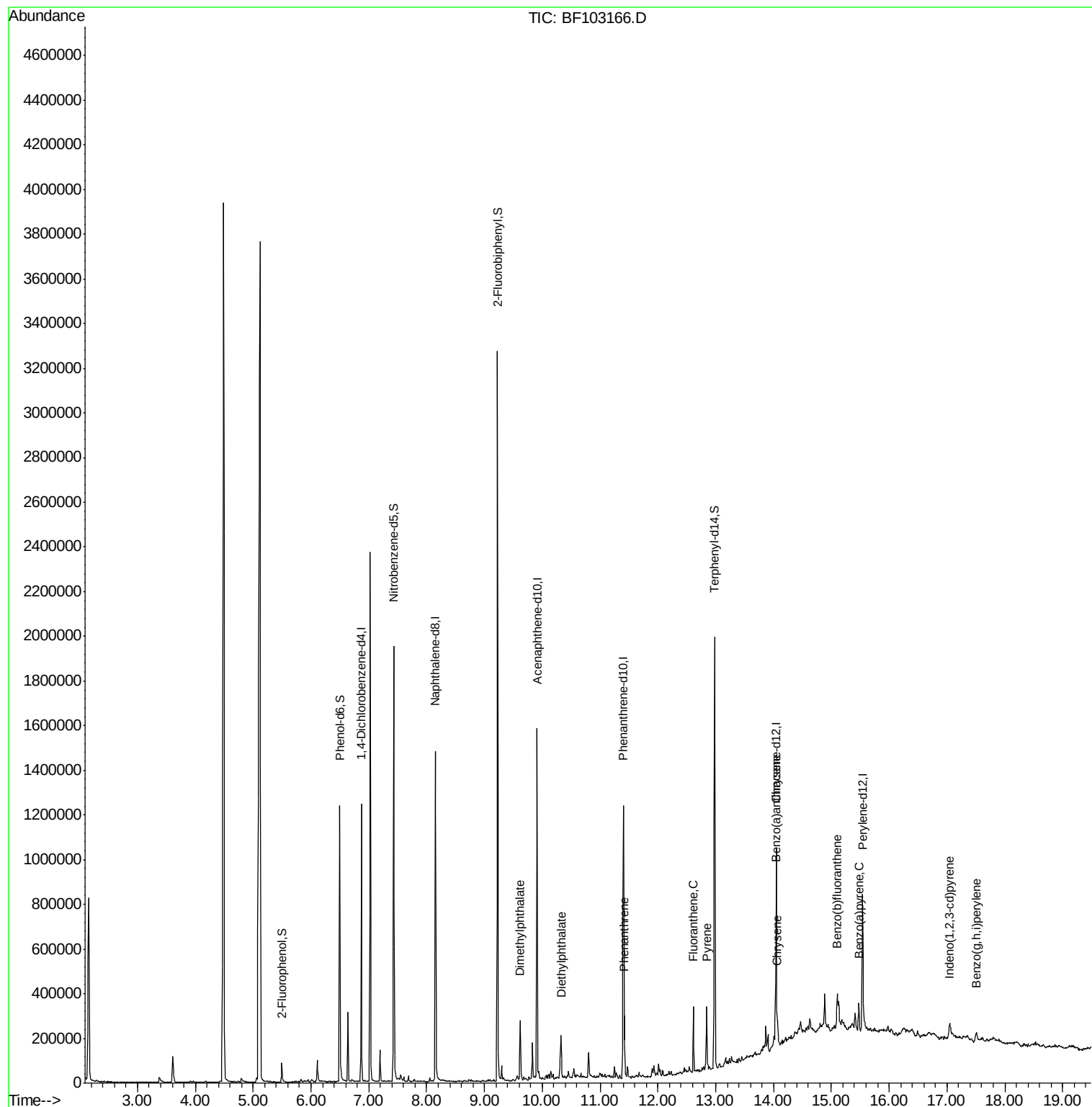
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022218\
Data File : BF103166.D
Acq On : 22 Feb 2018 17:03
Operator : SJ/JU
Sample : J1640-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

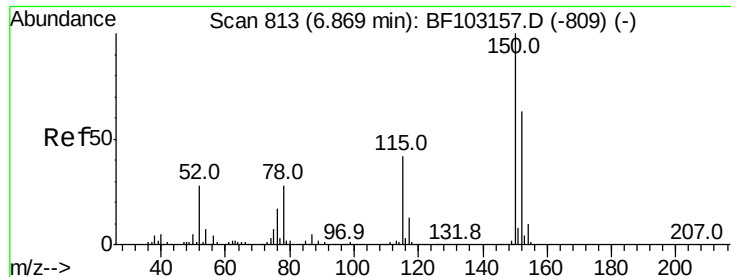
Instrument :
BNA_F
ClientSampleId :
2-2-DENSE-GRADE-AGG-RCA

Manual Integrations
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

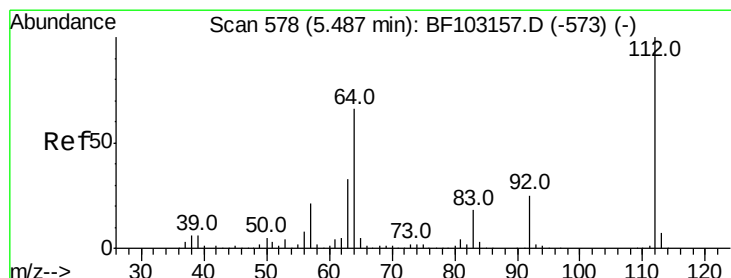
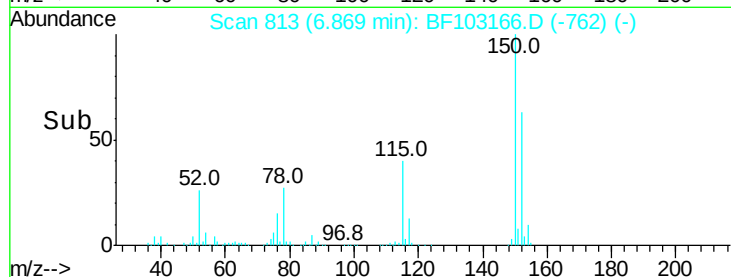
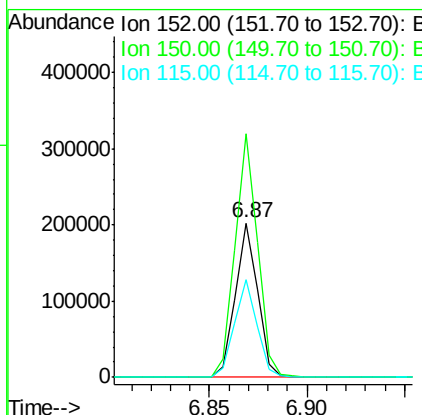
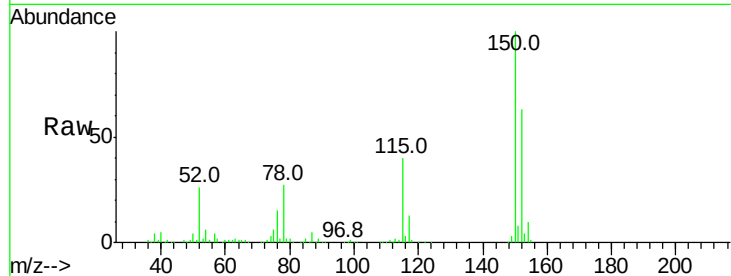
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF103166.D
Acq: 22 Feb 2018 17:03

Instrument :
BNA_F
ClientSampleId :
2-2-DENSE-GRADE-AGG-RCA

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	124.6	186.8
115	63.7	50.1	75.1

Manual Integrations
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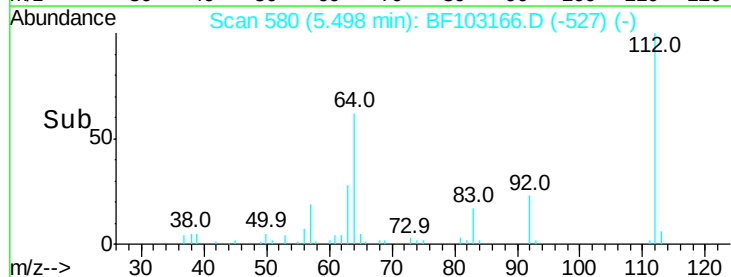
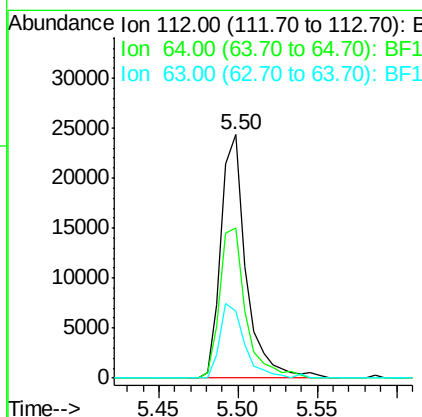
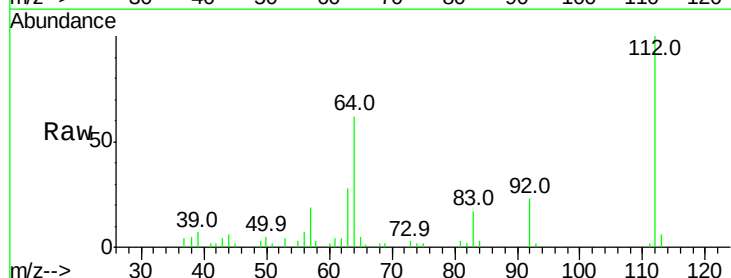
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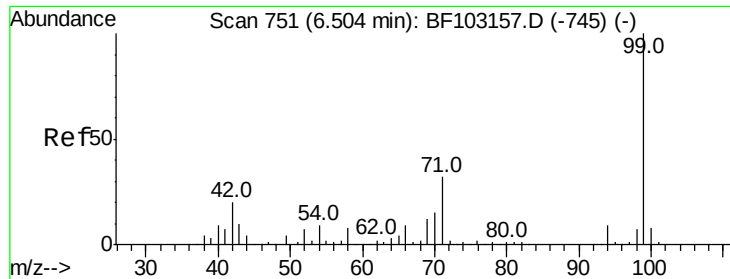


#5

2-Fluorophenol
Concen: 2.517 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103166.D
Acq: 22 Feb 2018 17:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.8	47.9	71.9
63	27.7	23.7	35.5





#7

Phenol-d6

Concen: 33.122 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF103166.D

Acq: 22 Feb 2018 17:03

Instrument :

BNA_F

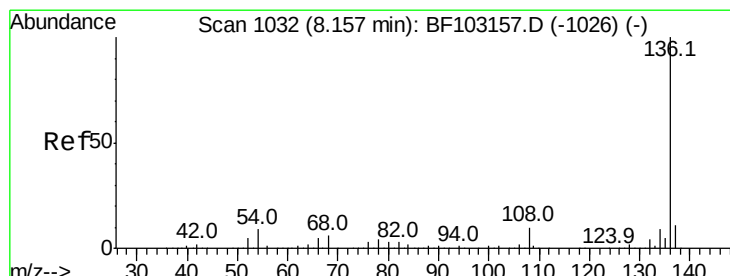
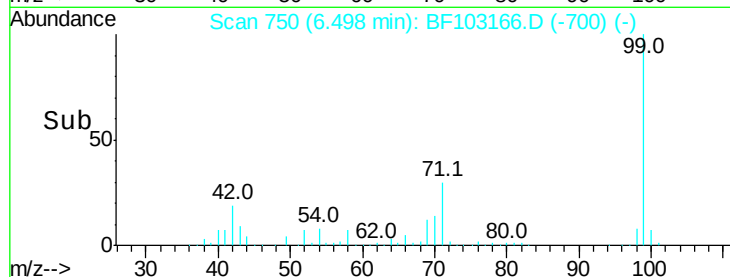
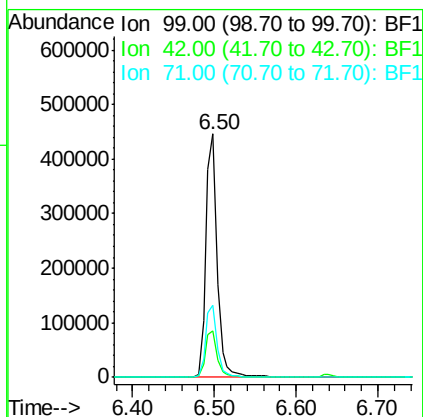
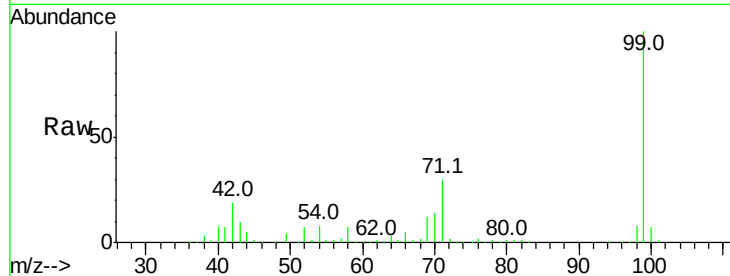
ClientSampleId :

2-2-DENSE-GRADE-AGG-RCA

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		432535		
42	19.1	14.5	21.7		
71	29.8	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

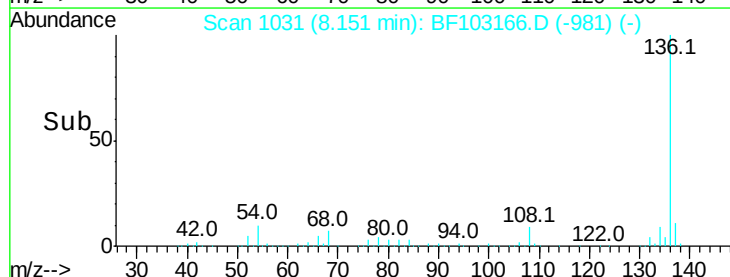
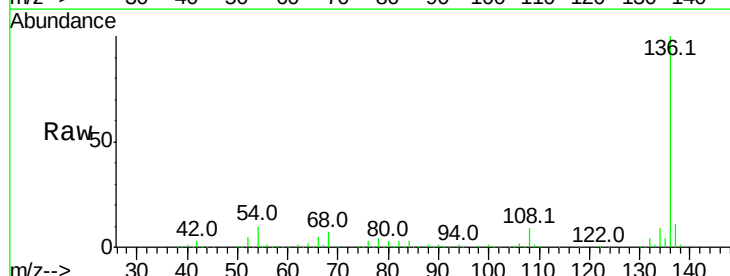
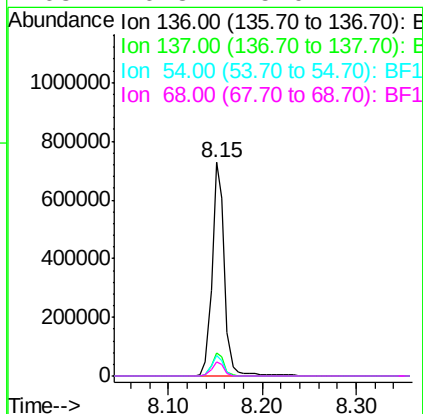
RT: 8.15 min Scan# 1031

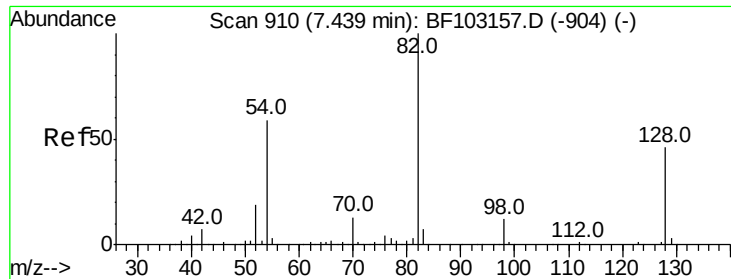
Delta R.T. -0.01 min

Lab File: BF103166.D

Acq: 22 Feb 2018 17:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		684370		
137	10.9	8.9	13.3		
54	9.9	6.6	9.8		
68	6.8	5.0	7.4		





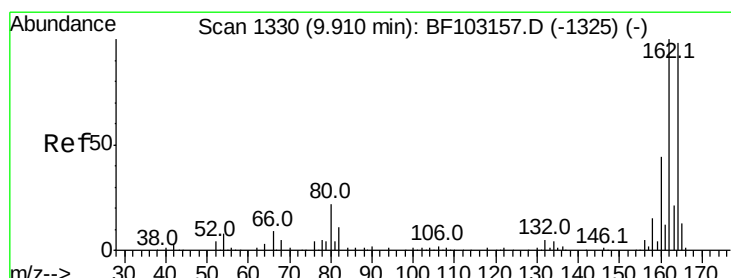
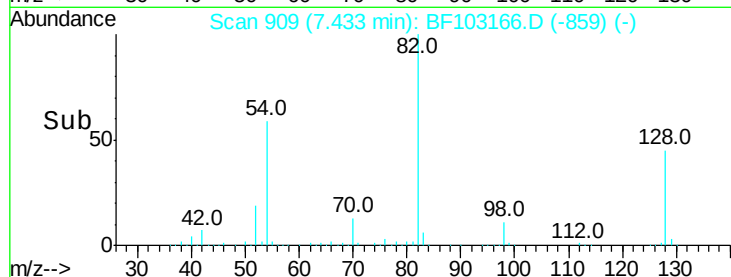
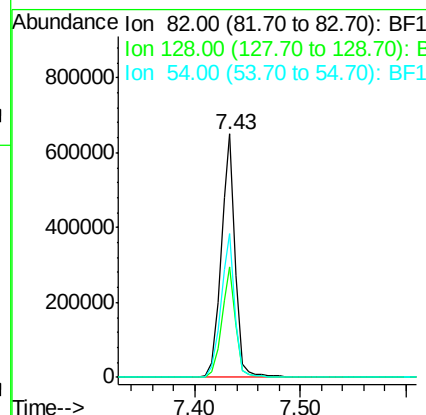
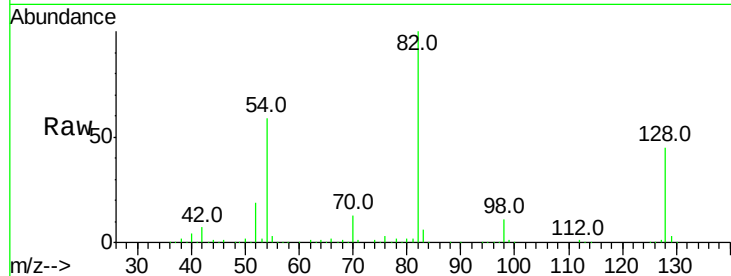
#23
 Nitrobenzene-d5
 Concen: 51.293 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: BF103166.D
 Acq: 22 Feb 2018 17:03

Instrument :
 BNA_F
 ClientSampleId :
 2-2-DENSE-GRADE-AGG-RCA

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.3	36.1	54.1
54	59.0	41.4	62.2

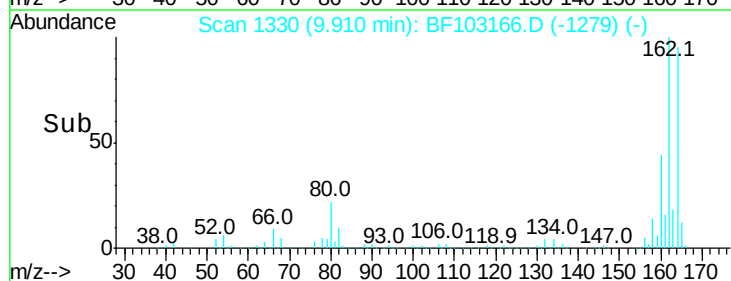
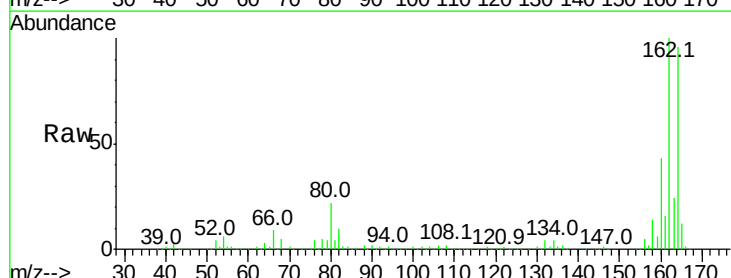
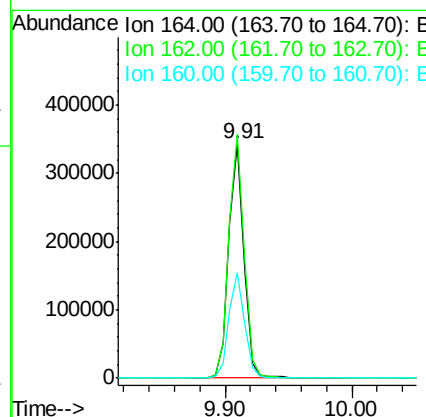
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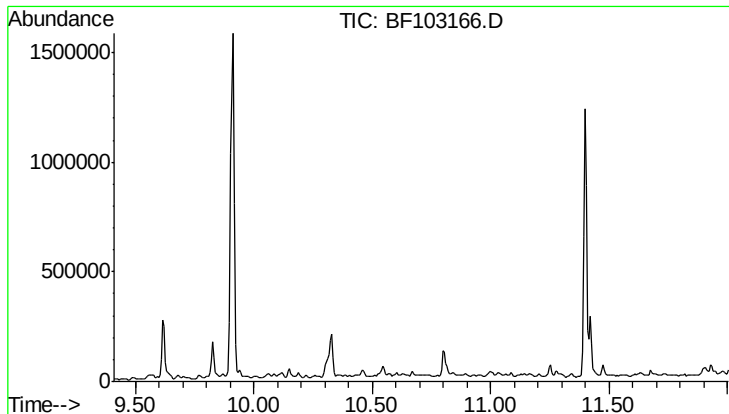
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: BF103166.D
 Acq: 22 Feb 2018 17:03

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.2	86.1	129.1
160	45.3	38.3	57.5





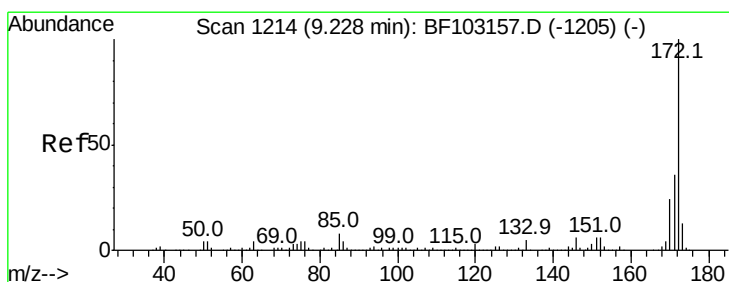
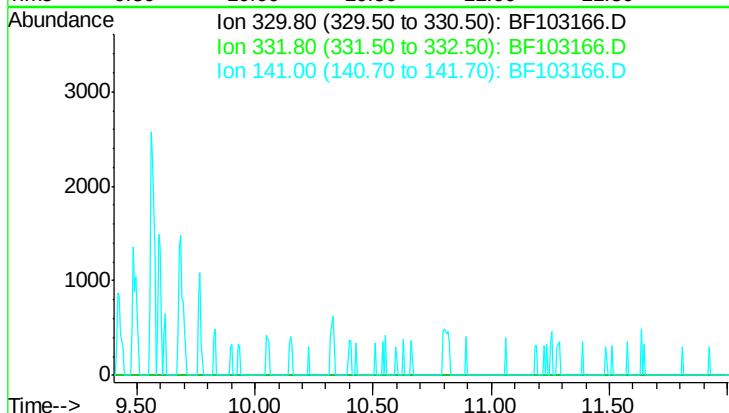
#41
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 10.70 min
 Lab File: BF103166.D
 Acq: 22 Feb 2018 17:03

Instrument :
 BNA_F
 ClientSampleId :
 2-2-DENSE-GRADE-AGG-RCA

Tot Ion	330	332	141
Exp Ratio	100	96.3	37.4

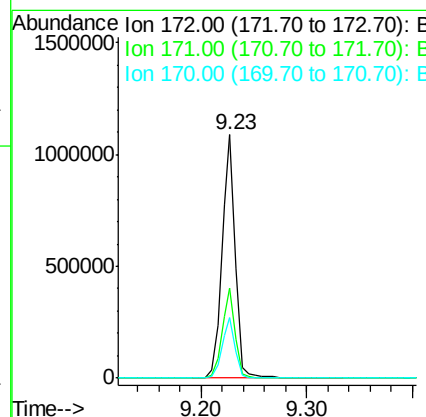
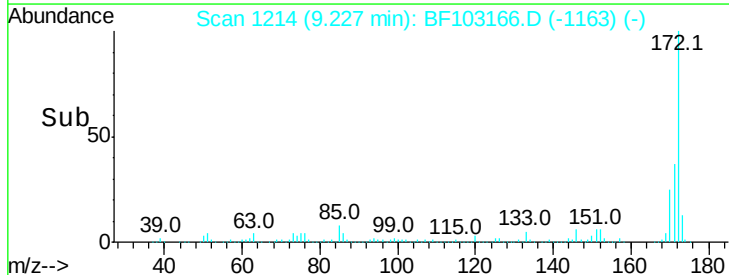
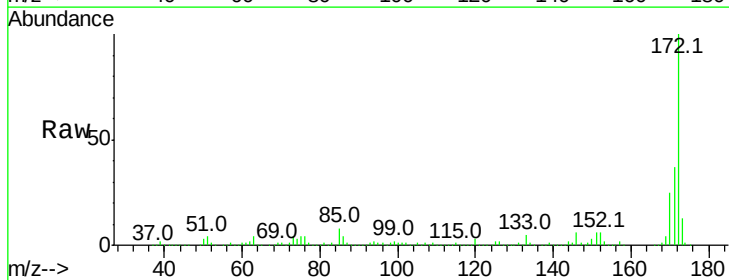
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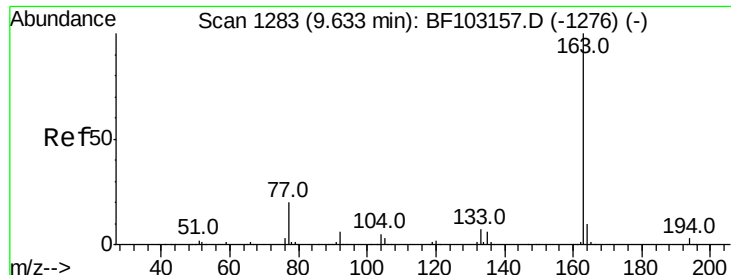
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#44
 2-Fluorobiphenyl
 Concen: 52.664 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: BF103166.D
 Acq: 22 Feb 2018 17:03

Tgt Ion	172	Resp	Lower	Upper
Ion Ratio	100			
171	36.8	29.7	44.5	
170	25.0	19.6	29.4	





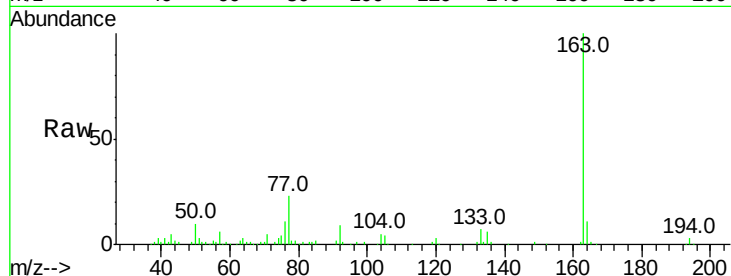
#49
 Dimethylphthalate
 Concen: 4.335 ng
 RT: 9.62 min Scan# 1280
 Delta R.T. -0.02 min
 Lab File: BF103166.D
 Acq: 22 Feb 2018 17:03

Instrument :
 BNA_F
 ClientSampleId :
 2-2-DENSE-GRADE-AGG-RCA

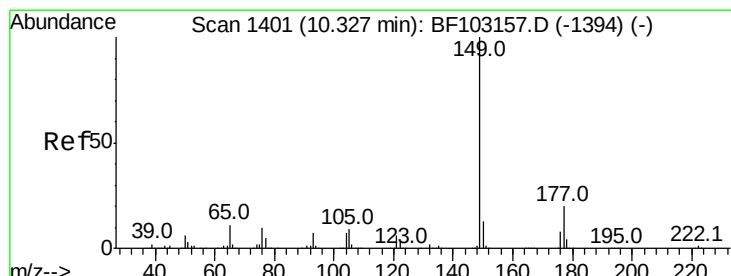
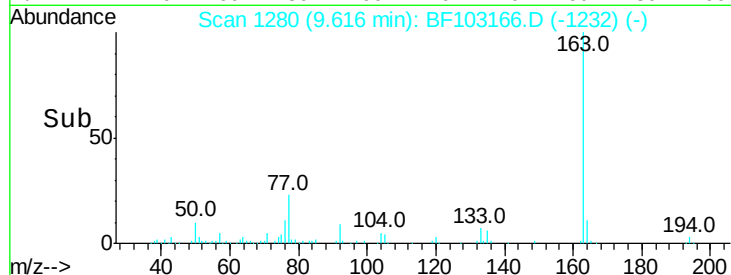
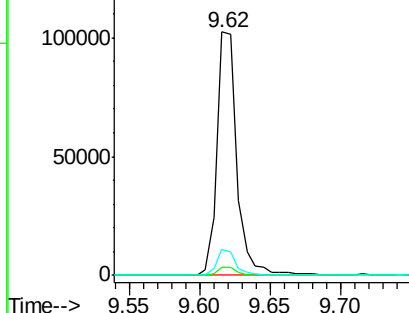
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.2	2.7	4.1	
164	10.6	8.2	12.2	

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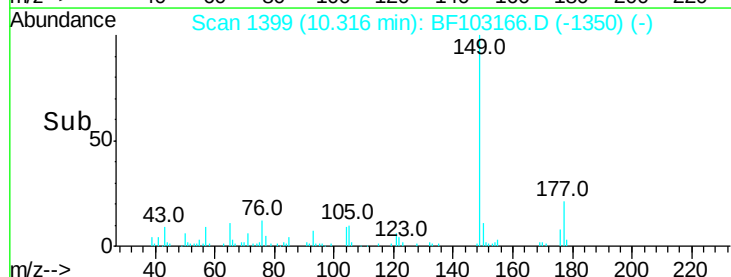
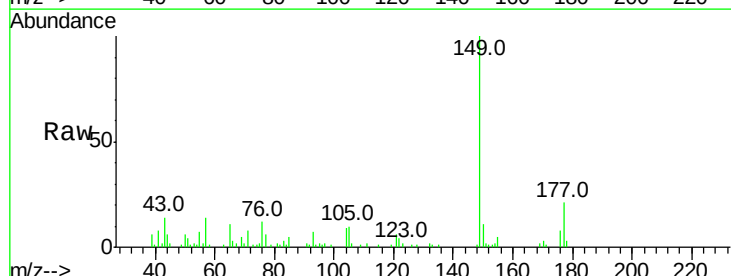
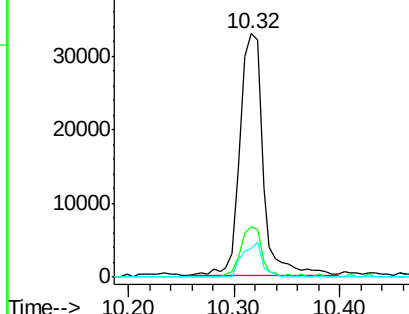
Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

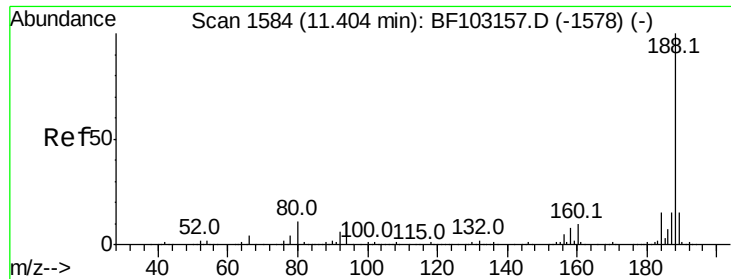


#59
 Diethylphthalate
 Concen: 2.214 ng
 RT: 10.32 min Scan# 1399
 Delta R.T. -0.01 min
 Lab File: BF103166.D
 Acq: 22 Feb 2018 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
149	100			
177	20.7	16.1	24.1	
150	11.5	10.1	15.1	

Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E





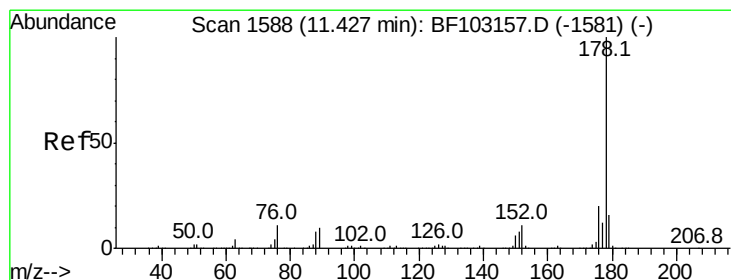
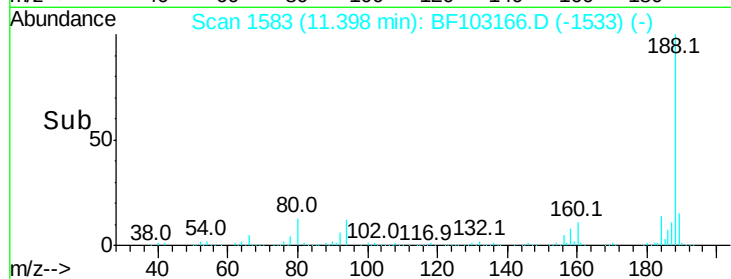
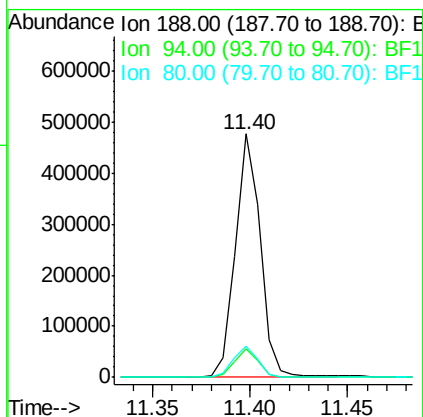
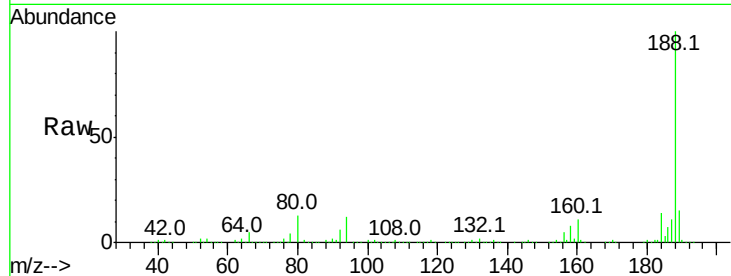
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF103166.D
Acq: 22 Feb 2018 17:03

Instrument :
BNA_F
ClientSampleId :
2-2-DENSE-GRADE-AGG-RCA

Tot Ion	Ratio	Resp	Lower	Upper
188	100	421717		
94	12.0		8.5	12.7
80	12.7		9.2	13.8

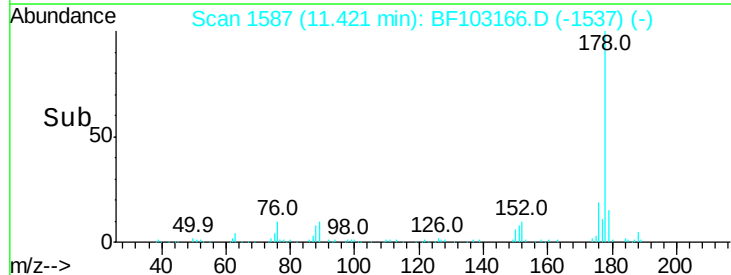
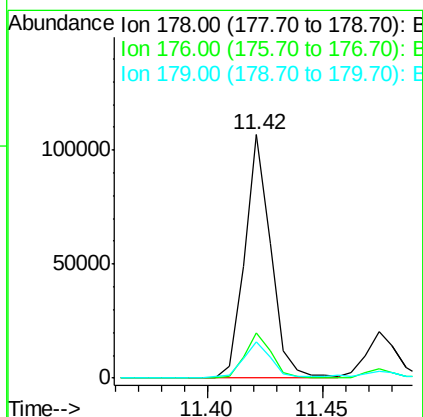
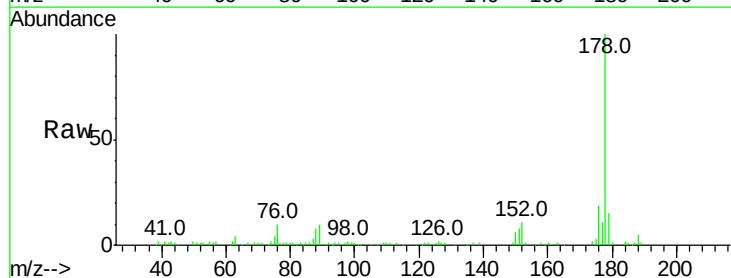
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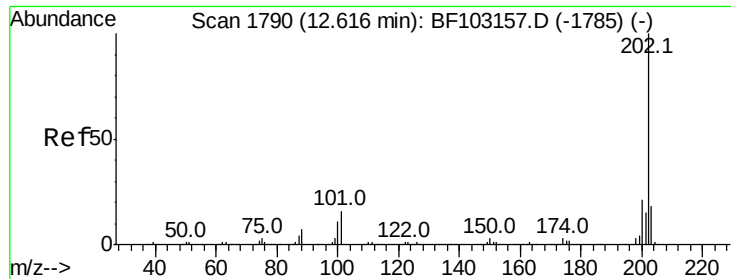
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#70
Phenanthrene
Concen: 3.644 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF103166.D
Acq: 22 Feb 2018 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	84561		
176	18.7		15.8	23.8
179	14.7		13.0	19.6





#74

Fluoranthene

Concen: 4.769 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.00 min

Lab File: BF103166.D

Acq: 22 Feb 2018 17:03

Instrument :

BNA_F

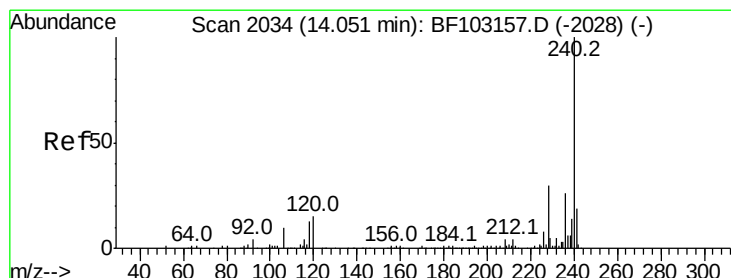
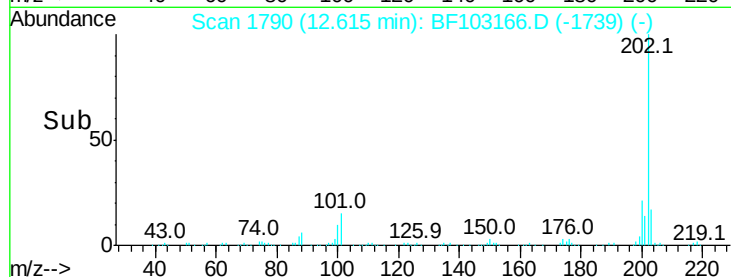
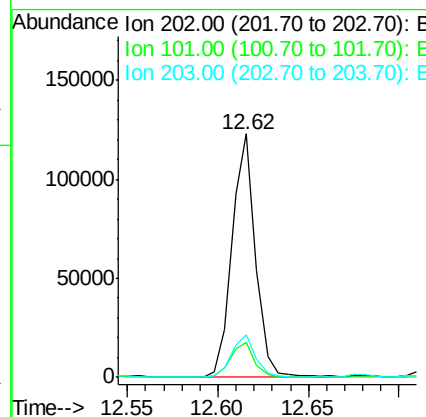
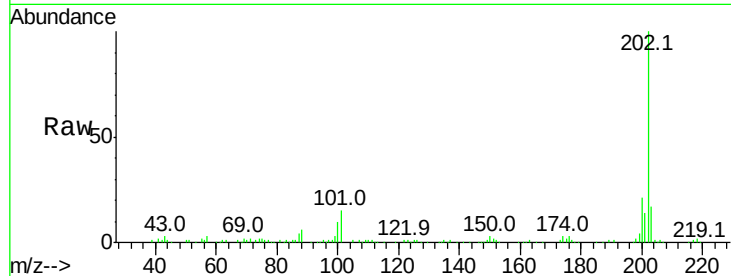
ClientSampleId :

2-2-DENSE-GRADE-AGG-RCA

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.5	0.0	34.1
203	17.4	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

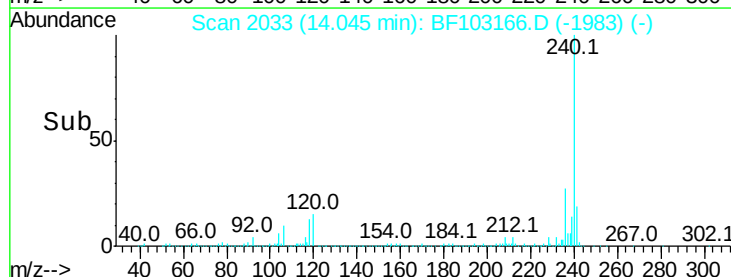
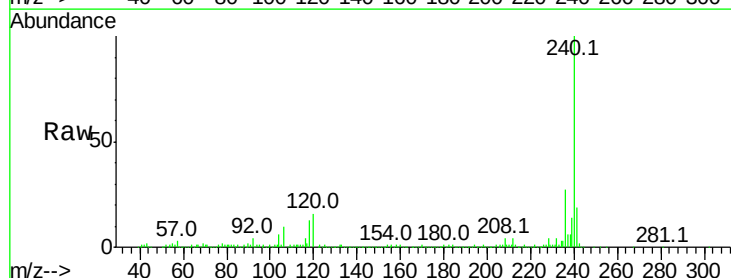
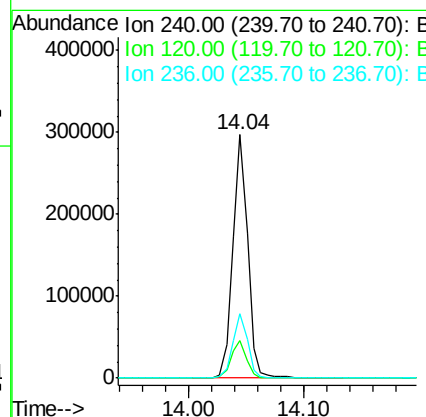
RT: 14.04 min Scan# 2033

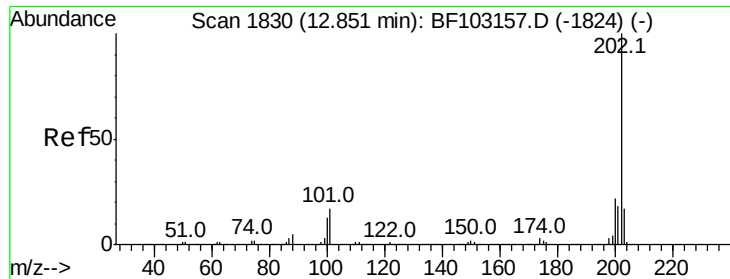
Delta R.T. -0.01 min

Lab File: BF103166.D

Acq: 22 Feb 2018 17:03

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.6	9.5	14.3#
236	26.7	20.7	31.1





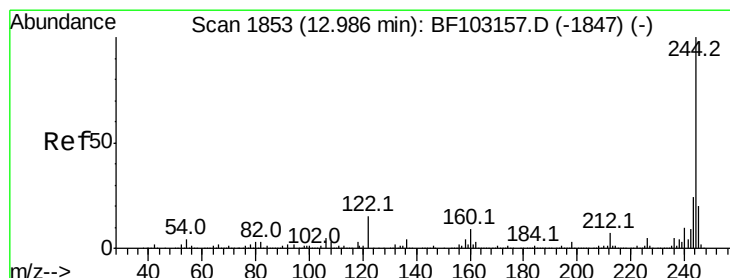
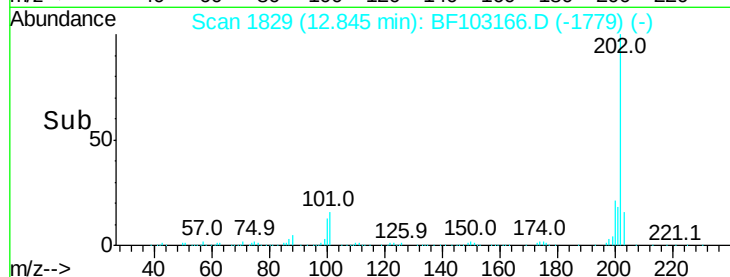
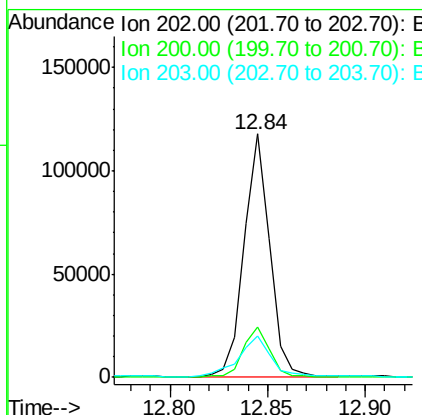
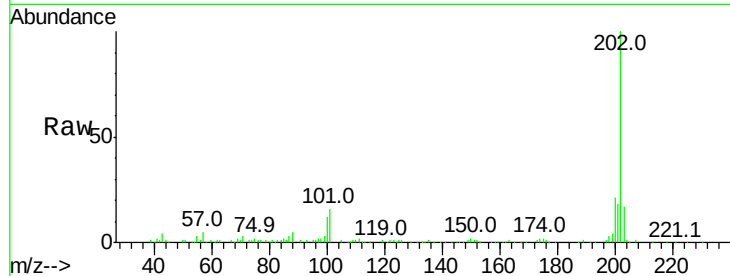
#77
Pvrene
Concen: 5.254 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF103166.D
Acq: 22 Feb 2018 17:03

Instrument :
BNA_F
ClientSampleId :
2-2-DENSE-GRADE-AGG-RCA

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.7	17.4	26.2
203	17.1	14.3	21.5

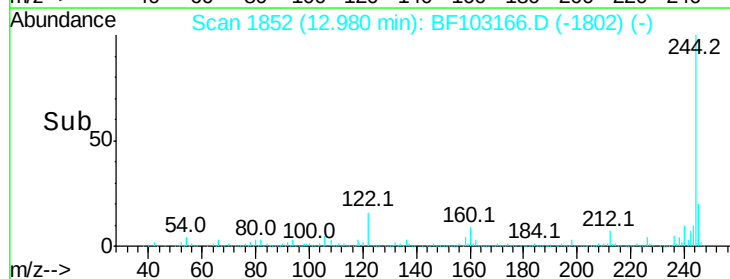
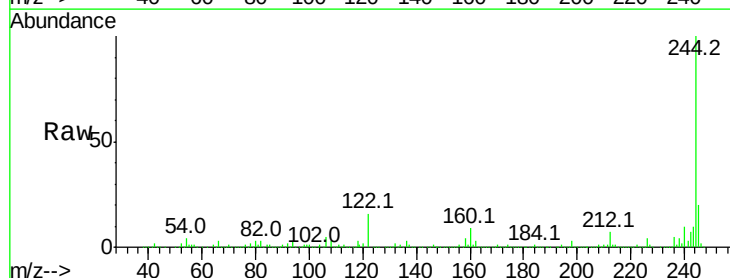
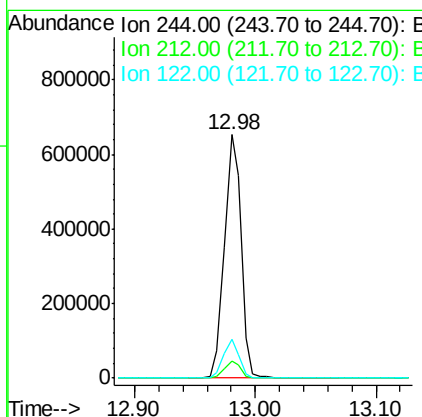
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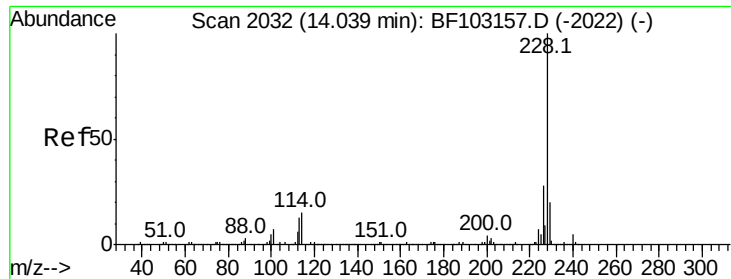
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#78
Terphenyl-d14
Concen: 56.277 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BF103166.D
Acq: 22 Feb 2018 17:03

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.0	5.4	8.0
122	15.9	11.0	16.4





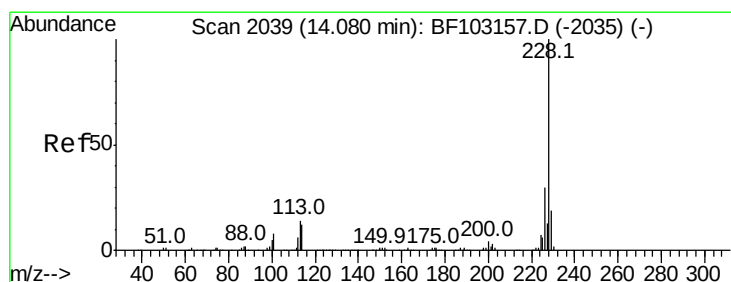
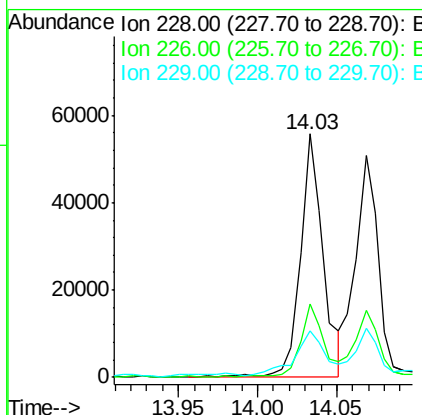
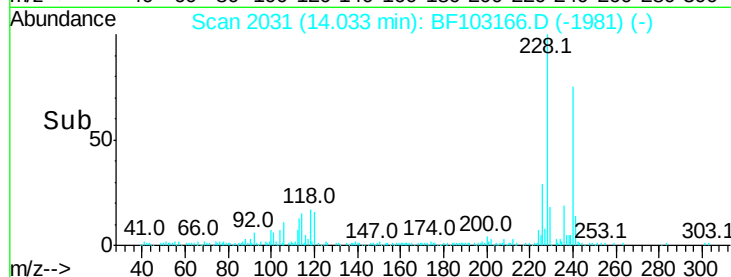
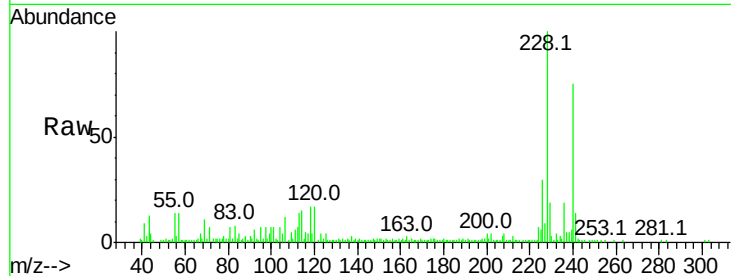
#80
Benzo(a)anthracene
Concen: 3.235 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF103166.D
Acq: 22 Feb 2018 17:03

Instrument :
BNA_F
ClientSampleId :
2-2-DENSE-GRADE-AGG-RCA

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.6	33.8
229	19.3	15.8	23.6

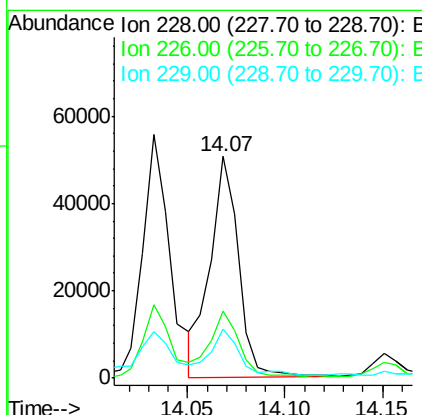
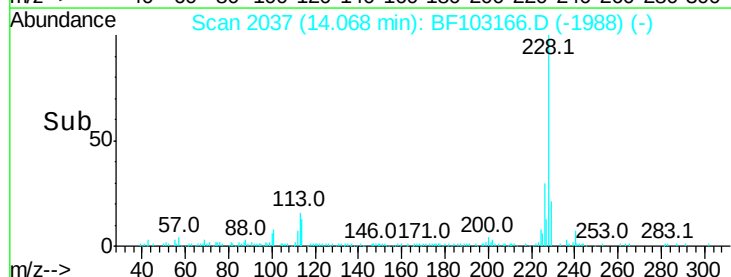
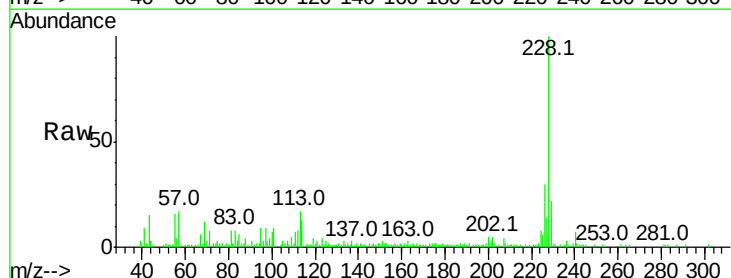
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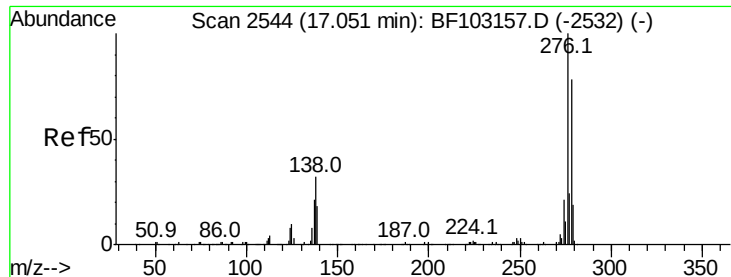
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#82
Chrysene
Concen: 3.076 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF103166.D
Acq: 22 Feb 2018 17:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	22.2	16.2	24.4





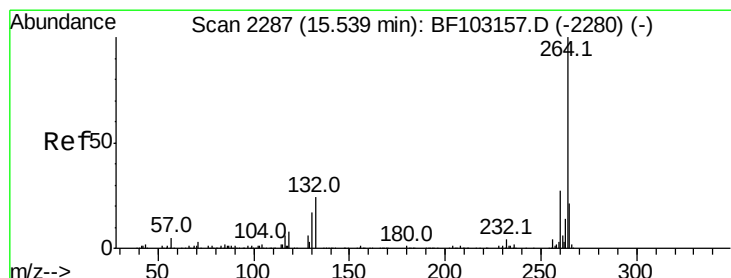
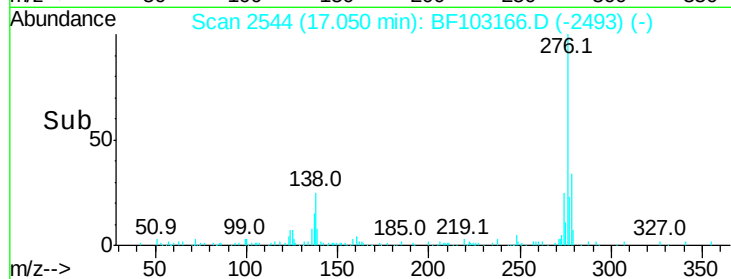
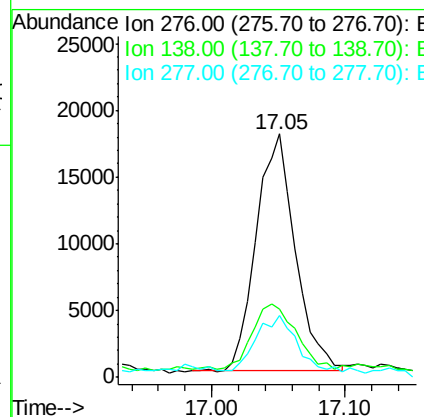
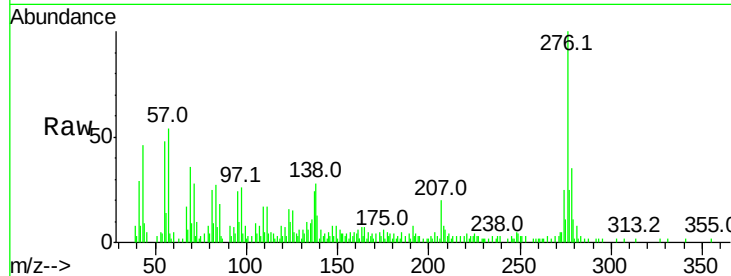
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.712 ng
RT: 17.05 min Scan# 2544
Delta R.T. -0.00 min
Lab File: BF103166.D
Acq: 22 Feb 2018 17:03

Instrument :
BNA_F
ClientSampleId :
2-2-DENSE-GRADE-AGG-RCA

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.3	25.0	37.6
277	25.8	20.1	30.1

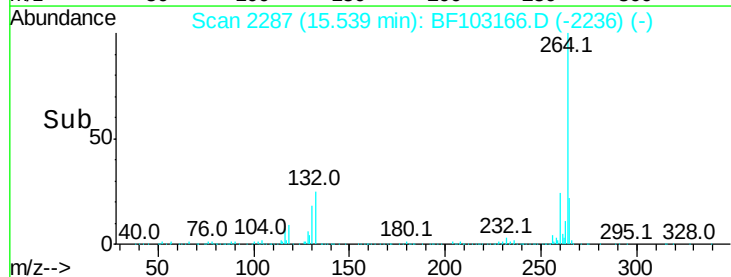
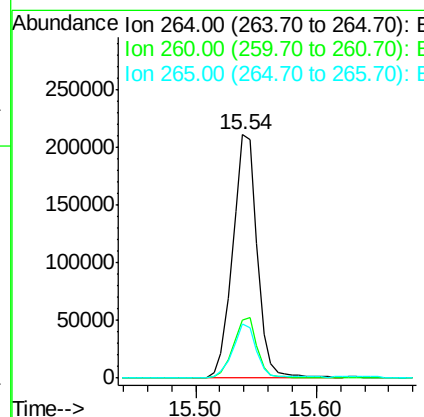
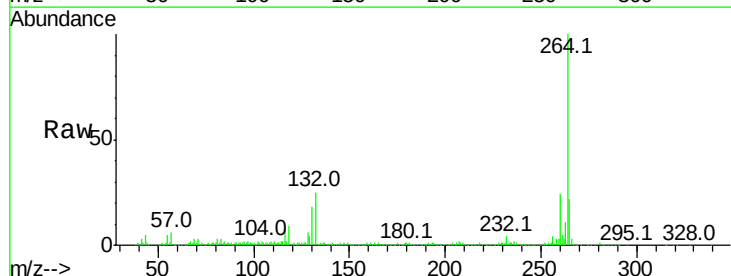
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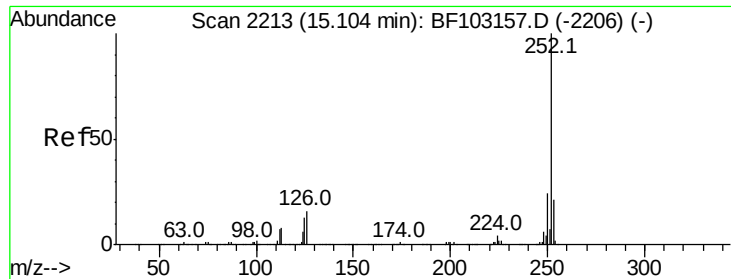
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2287
Delta R.T. -0.00 min
Lab File: BF103166.D
Acq: 22 Feb 2018 17:03

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.4	17.5	26.3





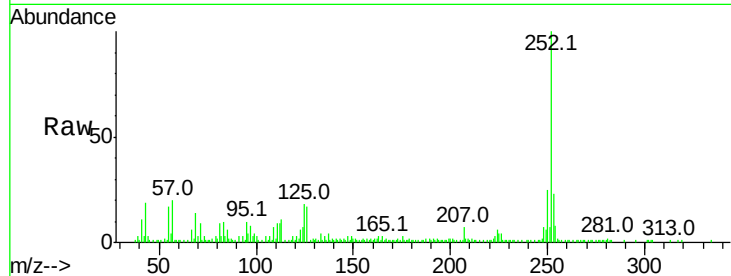
#87
Benzo(b)fluoranthene
Concen: 4.324 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.00 min
Lab File: BF103166.D
Acq: 22 Feb 2018 17:03

Instrument :
BNA_F
ClientSampleId :
2-2-DENSE-GRADE-AGG-RCA

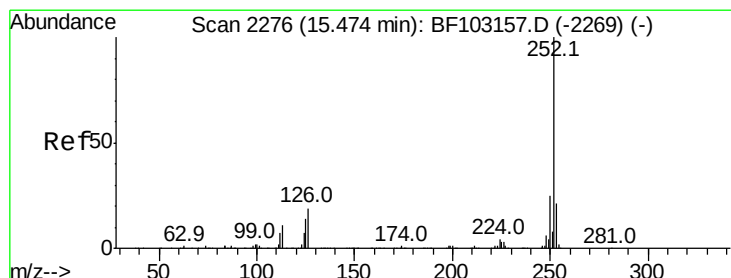
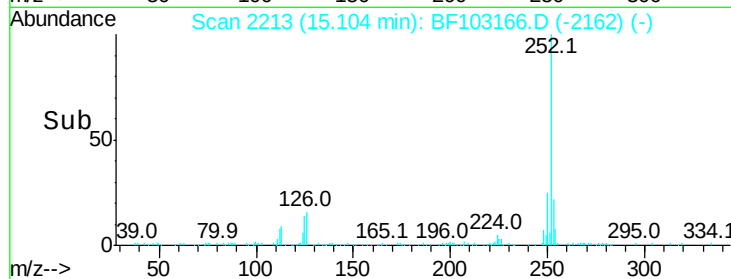
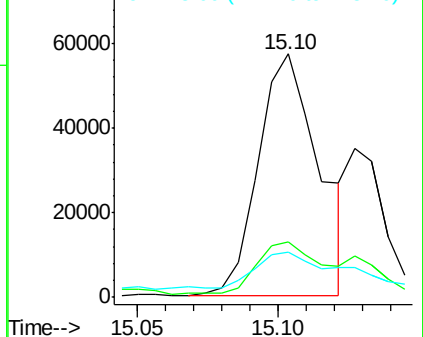
Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.8	17.0	25.6
125	18.5	9.0	13.6#

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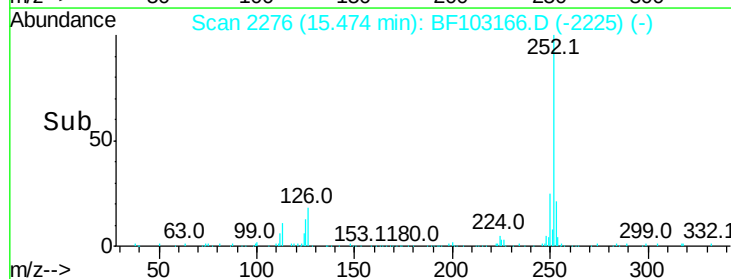
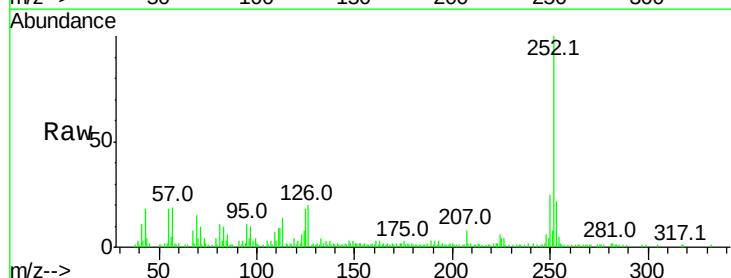
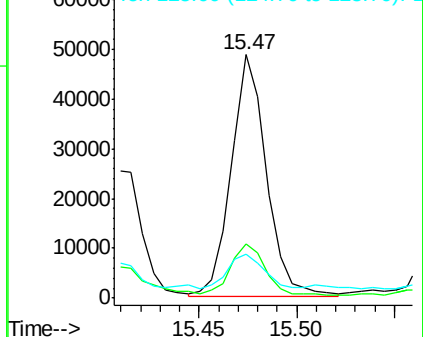
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

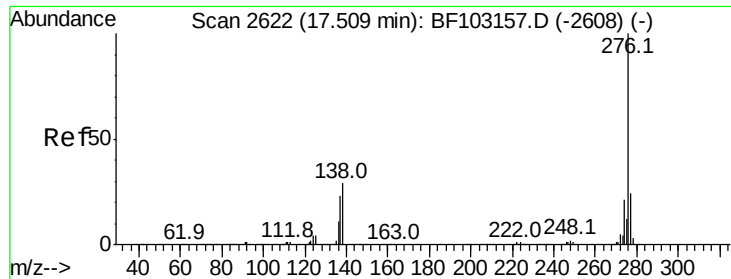


#89
Benzo(a)pyrene
Concen: 3.455 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.00 min
Lab File: BF103166.D
Acq: 22 Feb 2018 17:03

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	22.4	17.1	25.7
125	17.9	9.8	14.6#

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





#91
 Benzo(a,h,i)perylene
 Concen: 2.716 ng
 RT: 17.51 min Scan# 2622
 Delta R.T. -0.00 min
 Lab File: BF103166.D
 Acq: 22 Feb 2018 17:03

Instrument :
 BNA_F
 ClientSampleId :
 2-2-DENSE-GRADE-AGG-RCA

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.0	17.9	26.9#
138	35.1	21.8	32.8#

Manual Integrations
 APPROVED

Sohil
 2/23/2018 10:20:39 AM

