

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
 Data File : BF103274.D
 Acq On : 27 Feb 2018 20:14
 Operator : SJ/JU
 Sample : J1675-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-223

Manual Integrations
 APPROVED

Sohil
 2/28/2018 11:17:54 AM

Quant Time: Feb 28 00:58:10 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 17:05:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	140309	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	565496	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	222672	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	328967	20.00	ng	0.00
75) Chrysene-d12	14.06	240	240497	20.00	ng	0.00
86) Perylene-d12	15.56	264	173980	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	716072	77.19	ng	0.00
7) Phenol-d6	6.51	99	1068594	94.13	ng	0.00
23) Nitrobenzene-d5	7.44	82	685872	69.26	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	91498	48.55	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	951532	70.69	ng	0.00
78) Terphenyl-d14	12.99	244	626817	62.65	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.62	163	89200	4.994	ng	99
57) Fluorene	10.46	166	34969	2.258	ng	99
70) Phenanthrene	11.43	178	163461	9.029	ng	98
71) Anthracene	11.48	178	46631	2.512	ng	96
74) Fluoranthene	12.62	202	195763	10.761	ng	98
77) Pyrene	12.85	202	198769	10.601	ng	99
80) Benzo(a)anthracene	14.04	228	74702m	4.787	ng	
82) Chrysene	14.08	228	78622m	5.189	ng	
87) Benzo(b)fluoranthene	15.12	252	67560m	5.906	ng	
89) Benzo(a)pyrene	15.50	252	43037	4.213	ng	# 78
91) Benzo(g,h,i)perylene	17.55	276	23270	3.016	ng	# 91

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

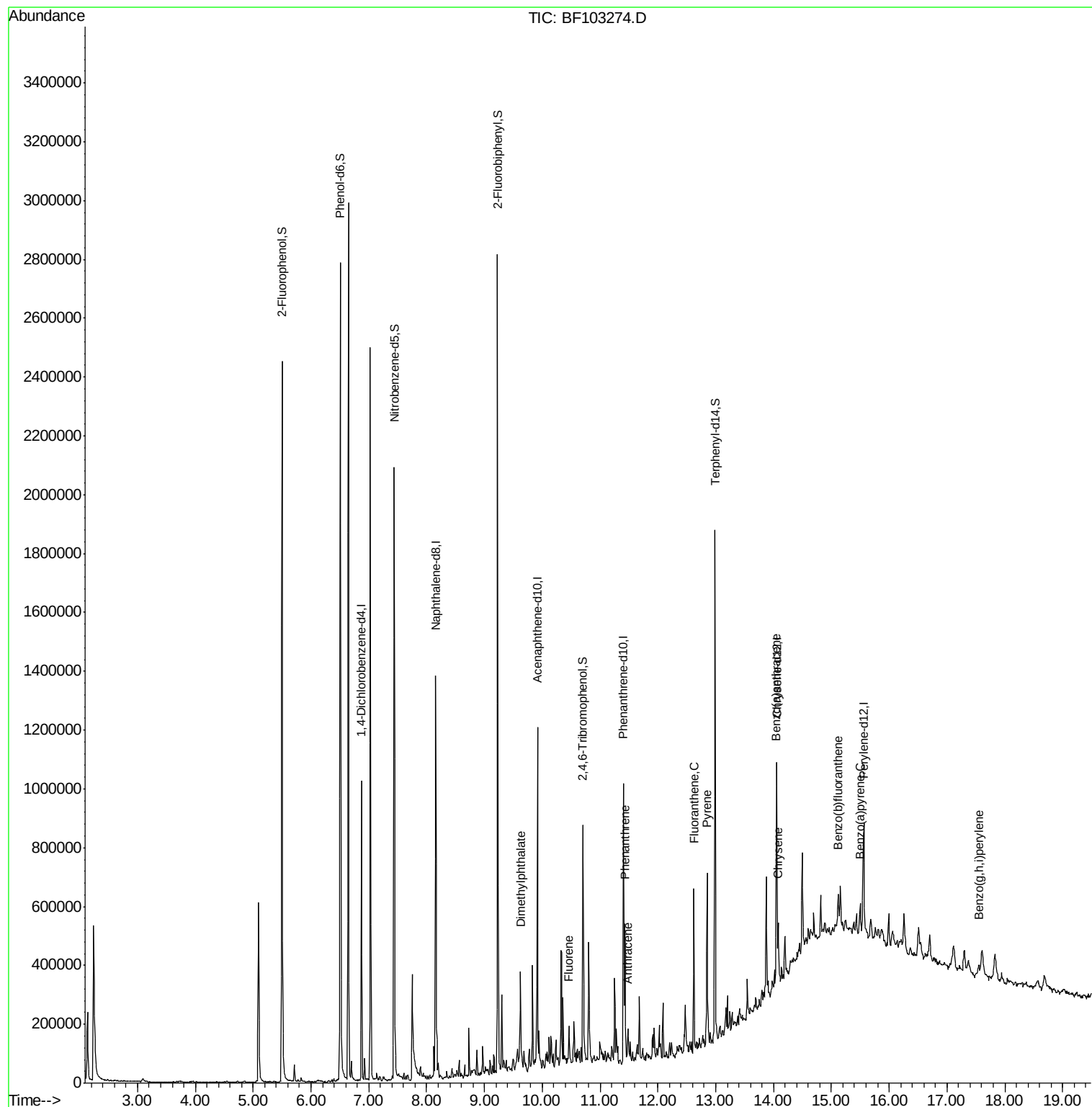
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022718\
Data File : BF103274.D
Acq On : 27 Feb 2018 20:14
Operator : SJ/JU
Sample : J1675-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

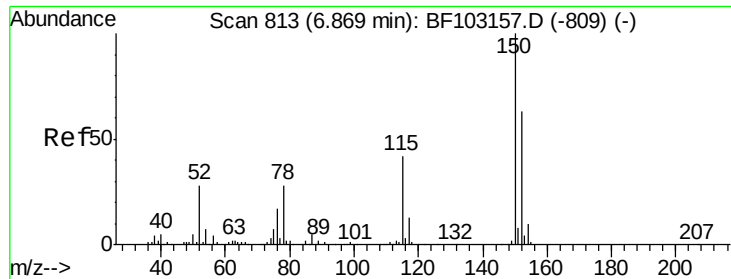
Instrument :
BNA_F
ClientSampleId :
VNJ-223

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Response via : Initial Calibration





#1

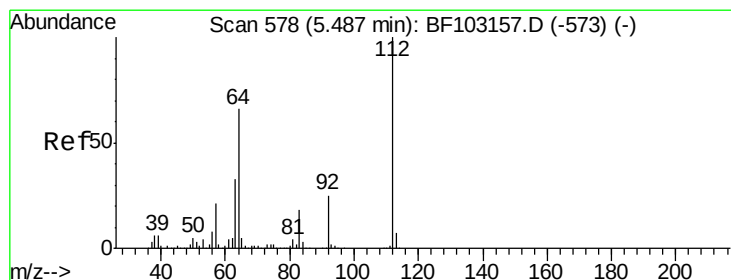
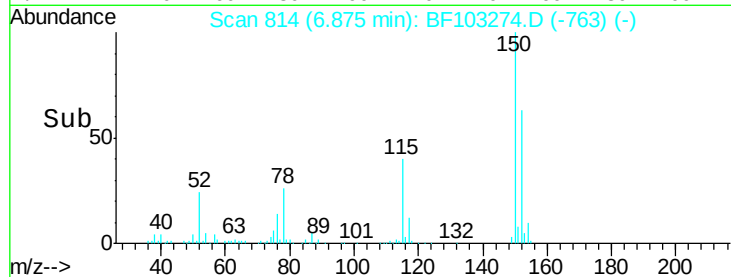
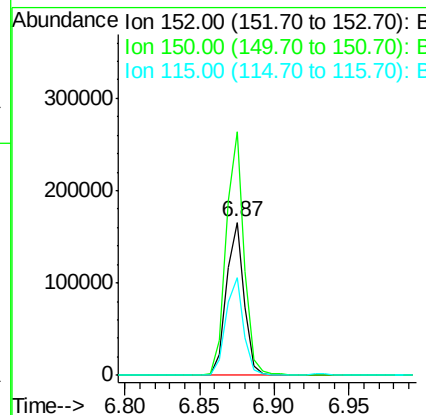
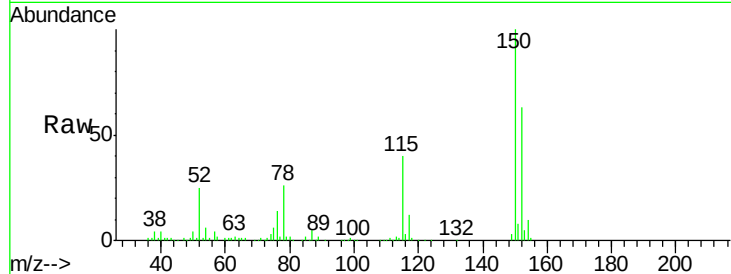
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF103274.D
Acq: 27 Feb 2018 20:14

Instrument :
BNA_F
ClientSampleId :
VNJ-223

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	124.6	186.8
115	63.6	50.1	75.1

Manual Integrations
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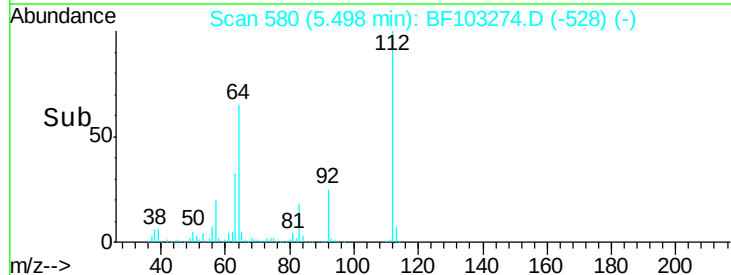
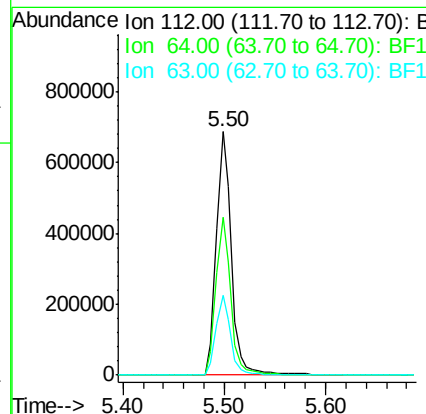
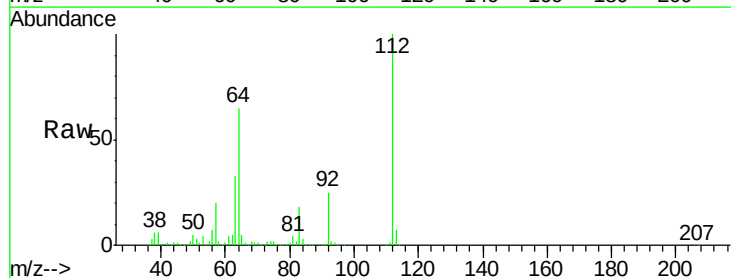
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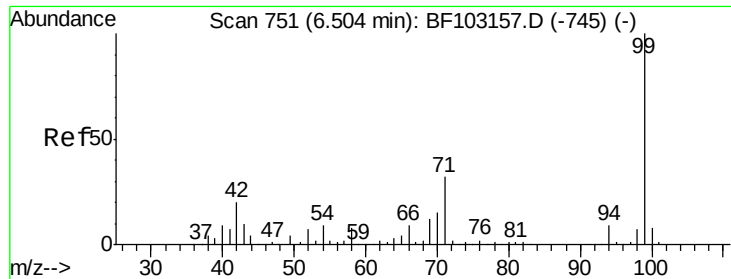


#5

2-Fluorophenol
Concen: 77.187 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103274.D
Acq: 27 Feb 2018 20:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.9	47.9	71.9
63	32.9	23.7	35.5





#7

Phenol-d6

Concen: 94.134 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF103274.D

Acq: 27 Feb 2018 20:14

Instrument :

BNA_F

ClientSampled :

VNJ-223

Tot Ion: 99 Resp: 1068594

Ion Ratio Lower Upper

99 100

42 20.0 14.5 21.7

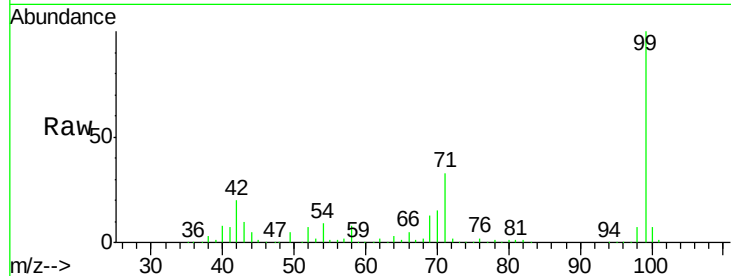
71 33.0 25.4 38.0

Manual Integrations

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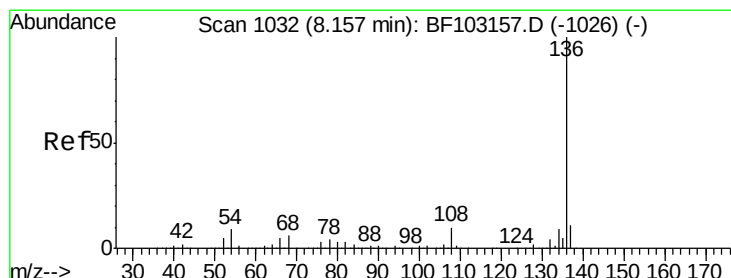
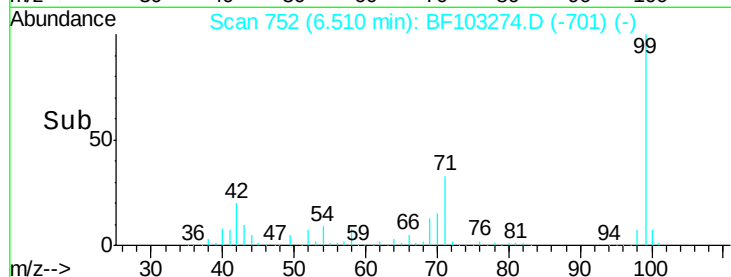
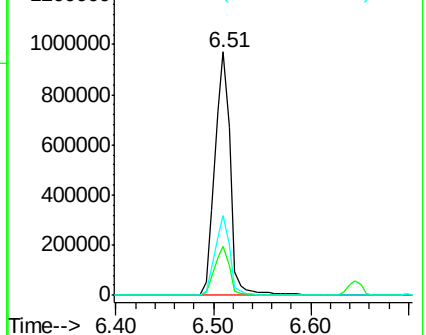
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BF103274.D

Acq: 27 Feb 2018 20:14

Tgt Ion: 136 Resp: 565496

Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 9.4 6.6 9.8

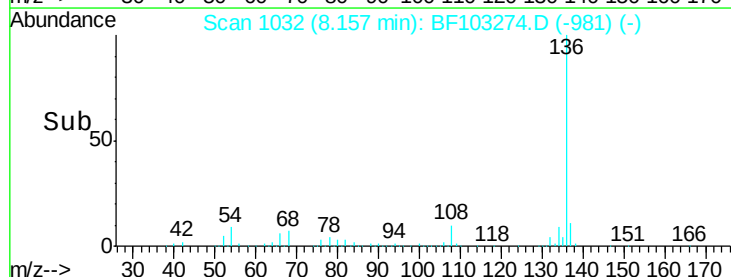
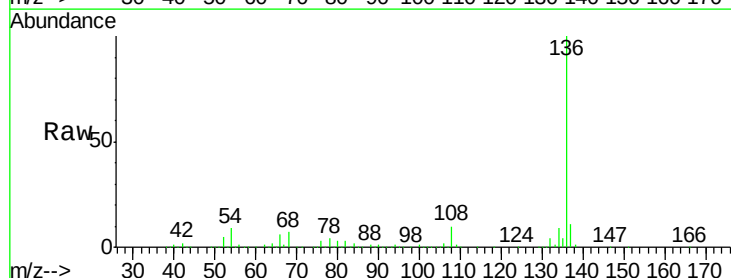
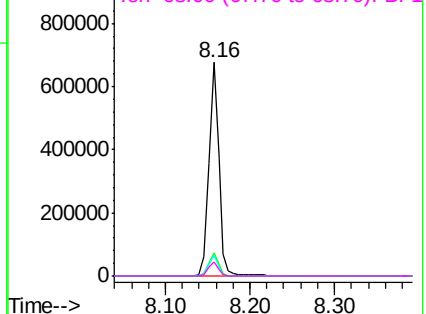
68 6.7 5.0 7.4

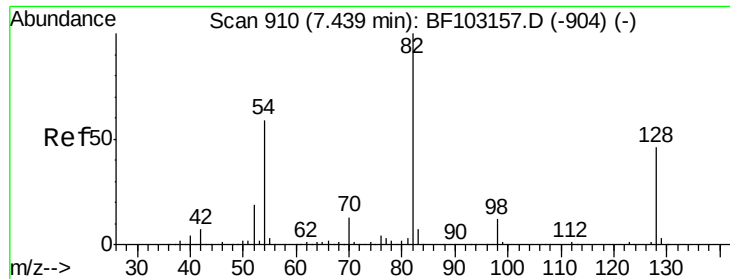
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





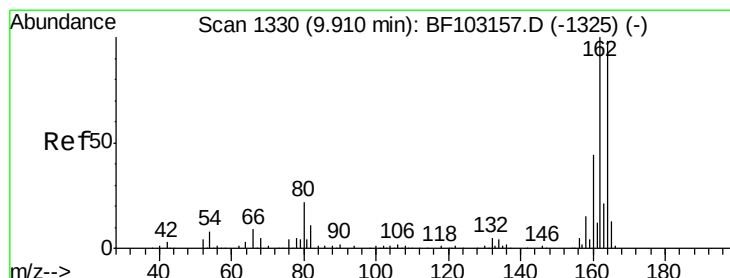
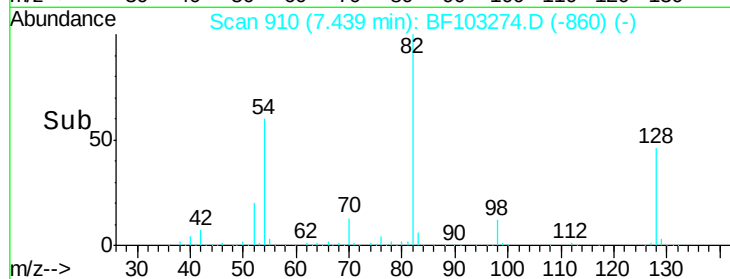
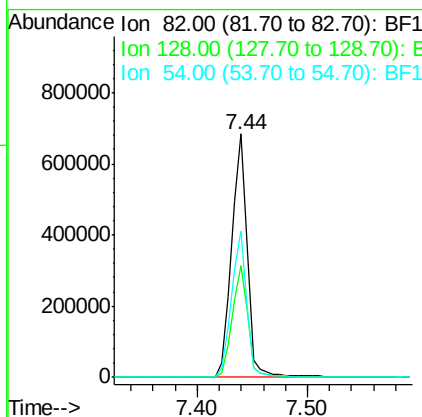
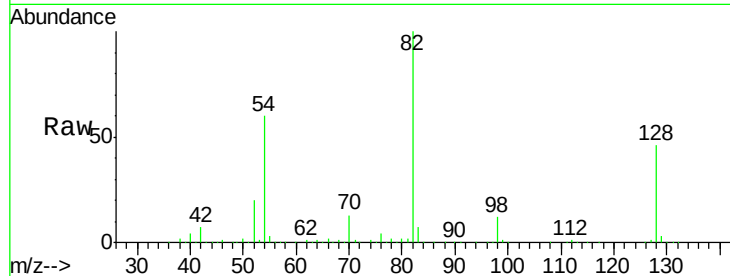
#23
Nitrobenzene-d5
Concen: 69.265 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103274.D
Acq: 27 Feb 2018 20:14

Instrument :
BNA_F
ClientSampleId :
VNJ-223

Tot Ion	Ratio	Resp	Lower	Upper
82	100	685872		
128	45.9		36.1	54.1
54	60.2		41.4	62.2

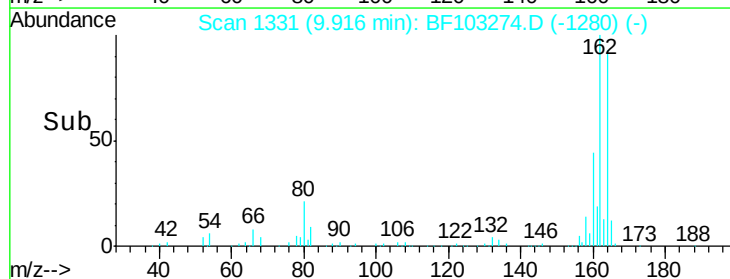
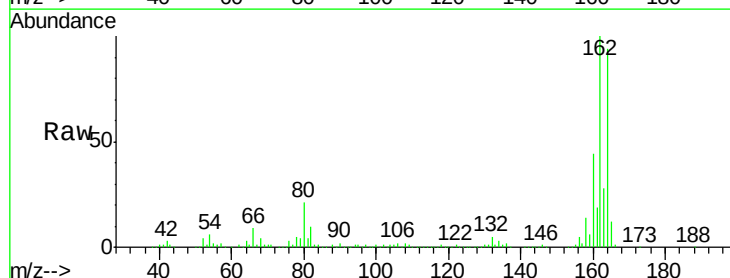
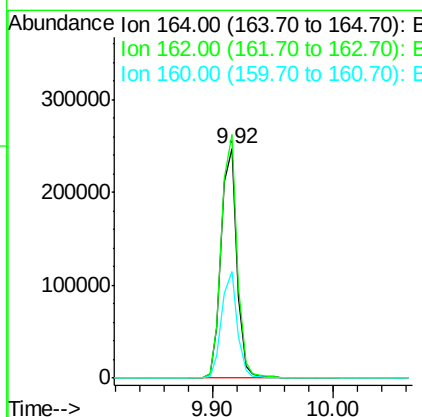
Manual Integrations
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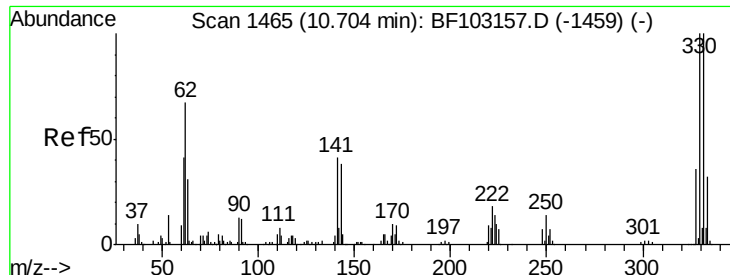
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.00 min
Lab File: BF103274.D
Acq: 27 Feb 2018 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	222672		
162	106.3		86.1	129.1
160	46.8		38.3	57.5





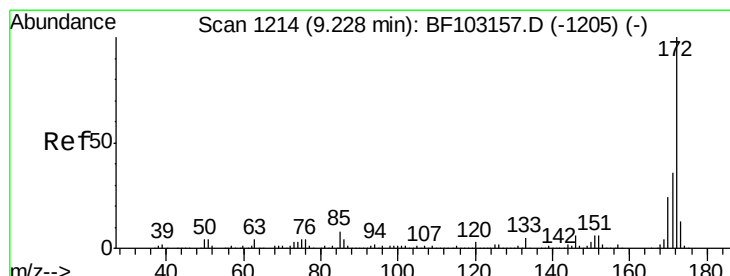
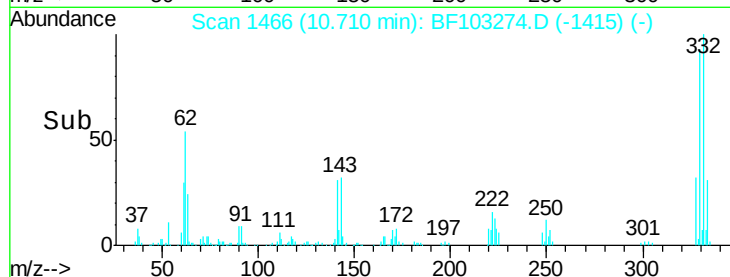
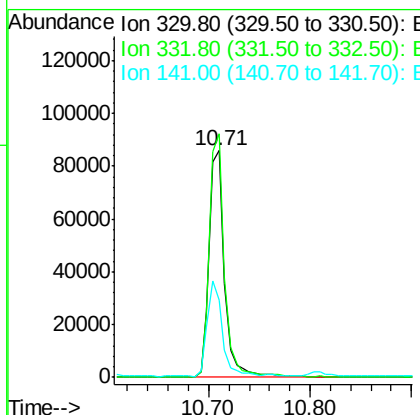
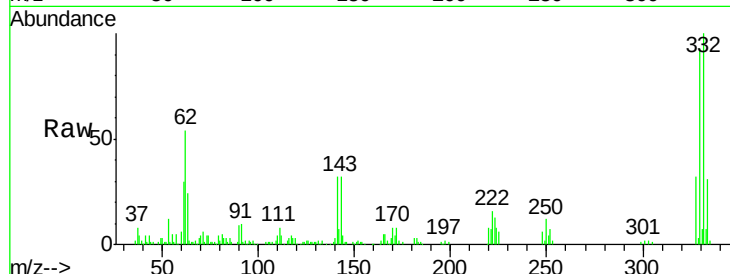
#41
 2,4,6-Tribromophenol
 Concen: 48.545 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF103274.D
 Acq: 27 Feb 2018 20:14

Instrument :
 BNA_F
 ClientSampled :
 VNJ-223

Tot Ion	Ratio	Lower	Upper
330	100		
332	105.5	77.0	115.6
141	42.1	29.9	44.9

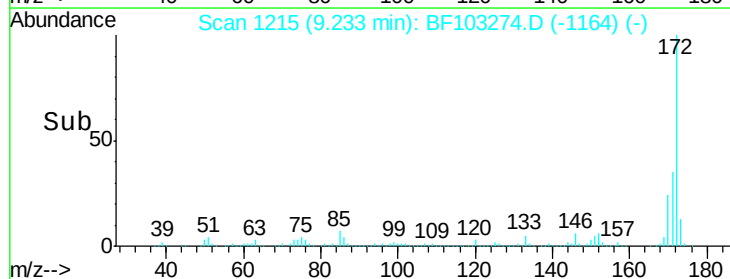
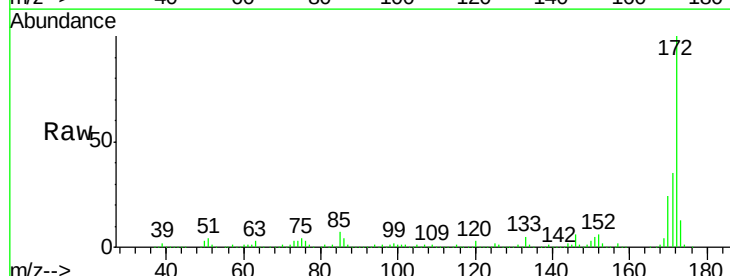
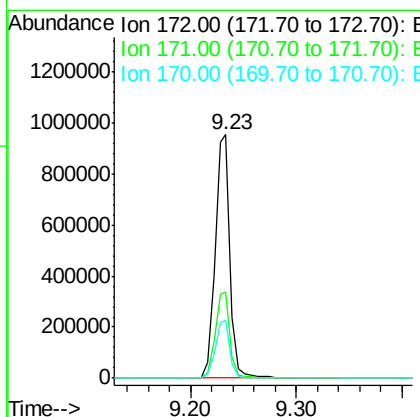
Manual Integrations
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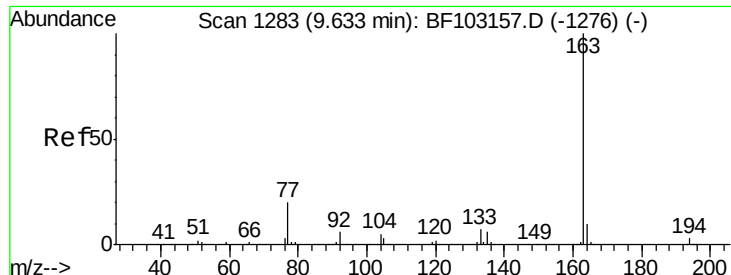
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#44
 2-Fluorobiphenyl
 Concen: 70.690 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.00 min
 Lab File: BF103274.D
 Acq: 27 Feb 2018 20:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	24.0	19.6	29.4





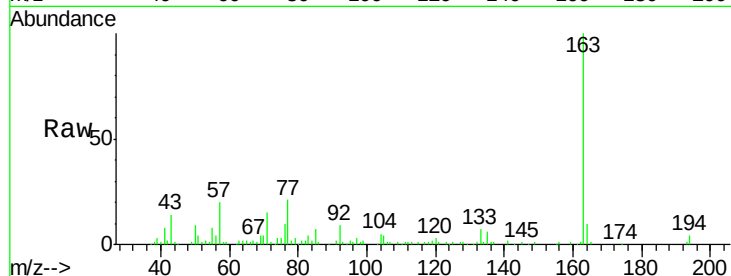
#49
Dimethylphthalate
Concen: 4.994 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103274.D
Acq: 27 Feb 2018 20:14

Instrument :
BNA_F
ClientSampled :
VNJ-223

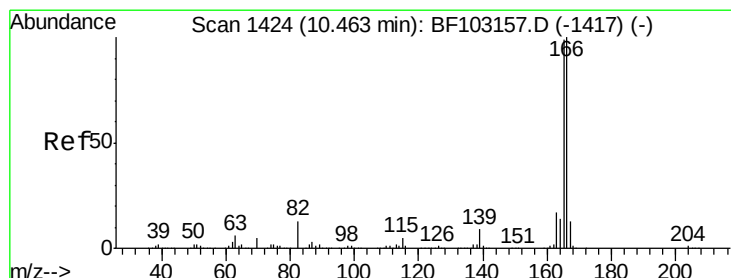
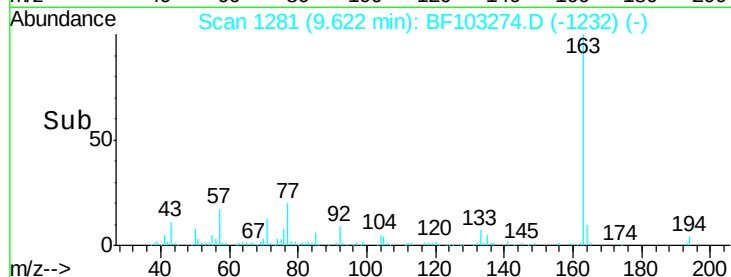
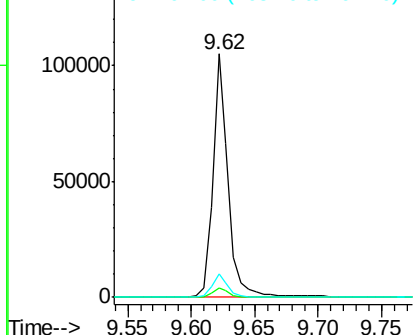
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	9.7	8.2	12.2

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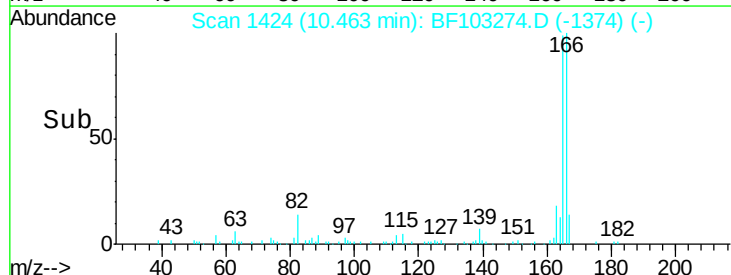
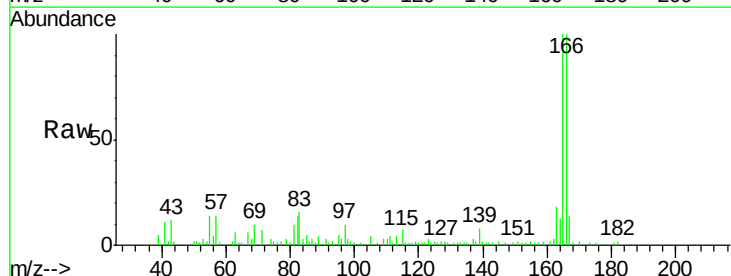
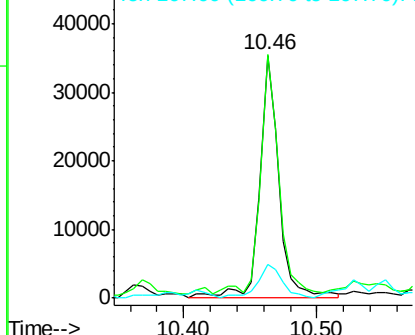
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

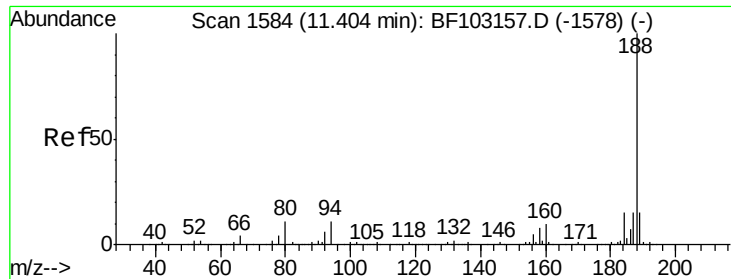


#57
Fluorene
Concen: 2.258 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF103274.D
Acq: 27 Feb 2018 20:14

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.2	79.8	119.8
167	13.9	10.6	16.0

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





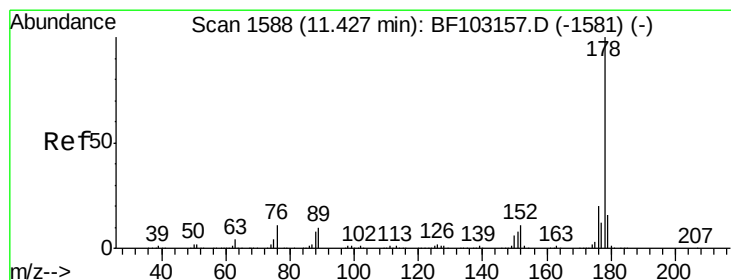
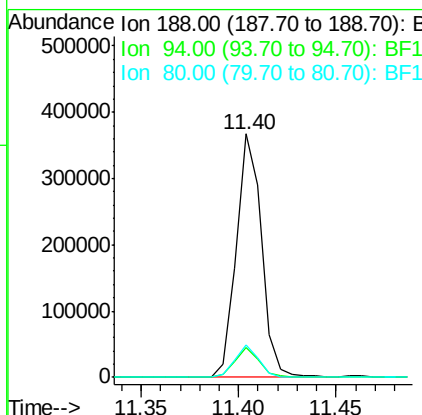
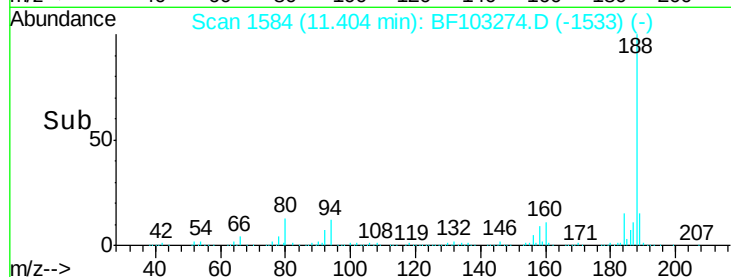
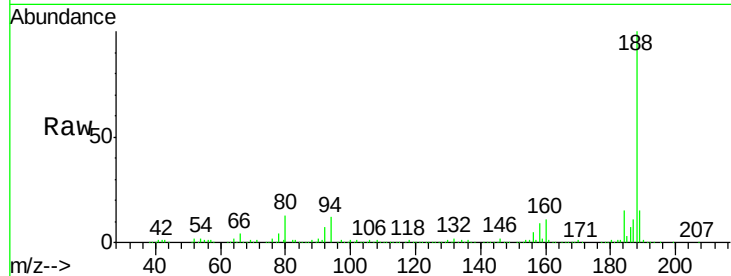
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.00 min
Lab File: BF103274.D
Acq: 27 Feb 2018 20:14

Instrument :
BNA_F
ClientSampled :
VNJ-223

Tot Ion	Ratio	Resp	Lower	Upper
188	100	328967		
94	12.4		8.5	12.7
80	13.1		9.2	13.8

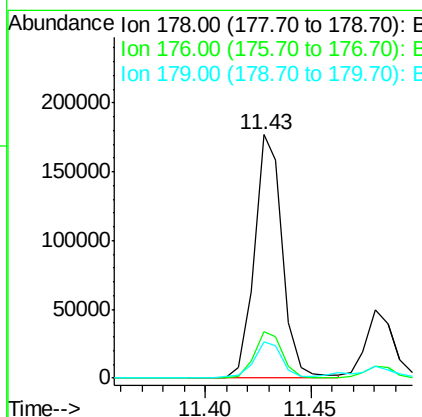
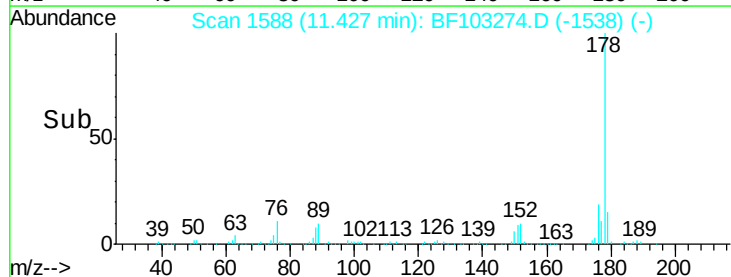
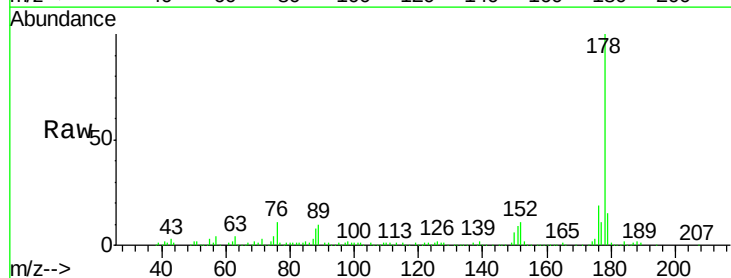
Manual Integrations
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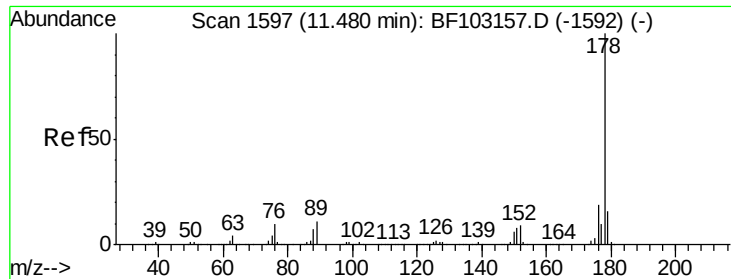
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#70
Phenanthrene
Concen: 9.029 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF103274.D
Acq: 27 Feb 2018 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	163461		
176	19.1		15.8	23.8
179	14.9		13.0	19.6





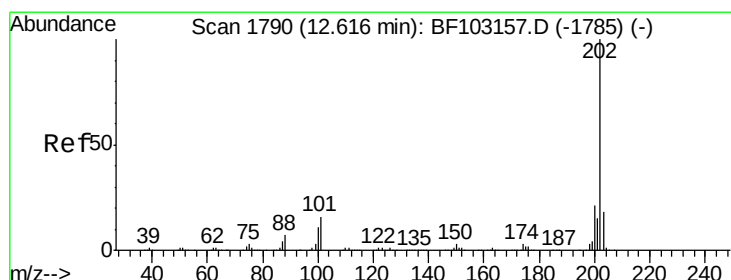
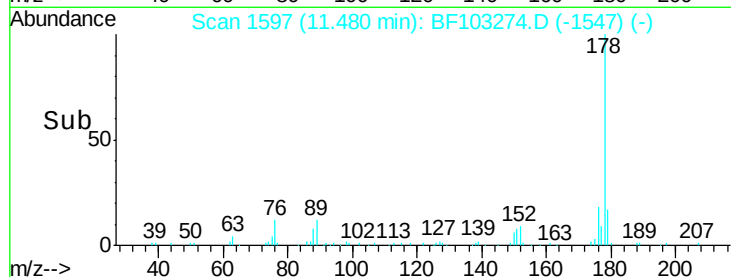
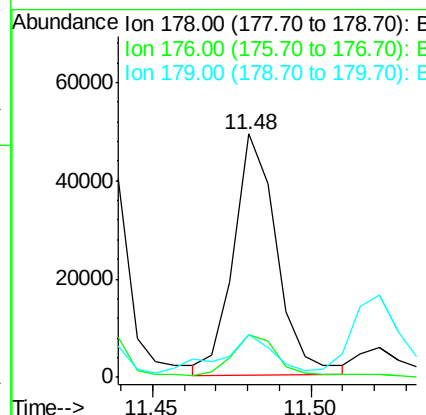
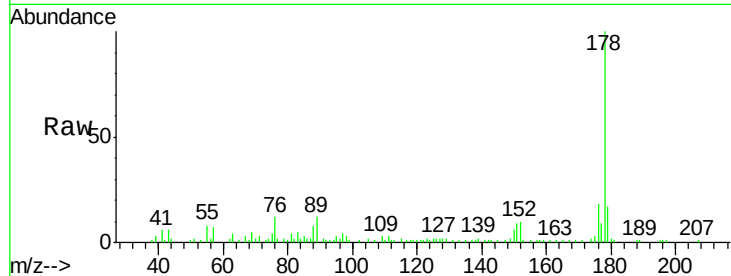
#71
 Anthracene
 Concen: 2.512 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF103274.D
 Acq: 27 Feb 2018 20:14

Instrument :
 BNA_F
 ClientSampled :
 VNJ-223

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.4	23.2
179	17.3	12.6	19.0

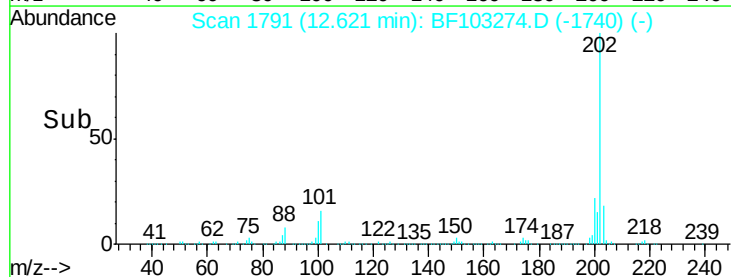
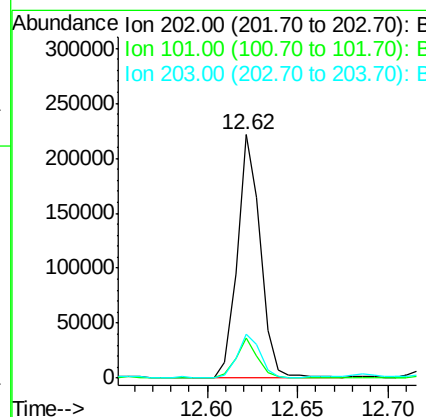
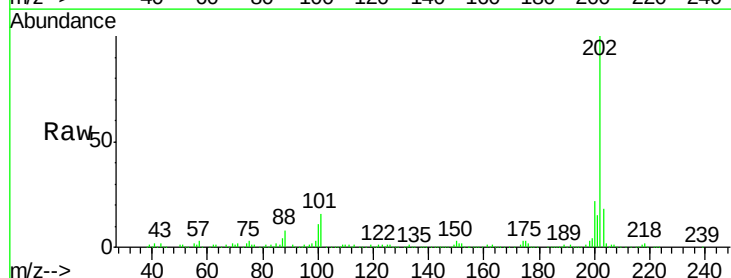
Manual Integrations
 APPROVED

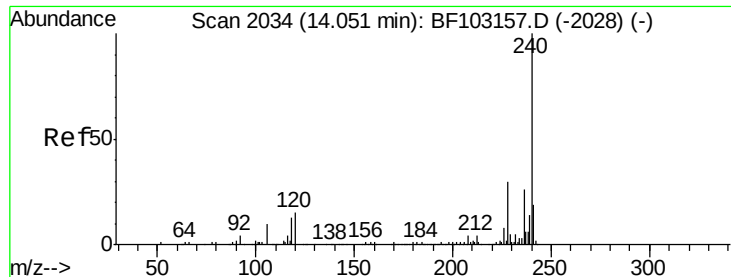
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#74
 Fluoranthene
 Concen: 10.761 ng
 RT: 12.62 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: BF103274.D
 Acq: 27 Feb 2018 20:14

Tgt Ion	Ratio	Lower	Upper
202	100		
101	16.3	0.0	34.1
203	18.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BF103274.D

Acq: 27 Feb 2018 20:14

Instrument :

BNA_F

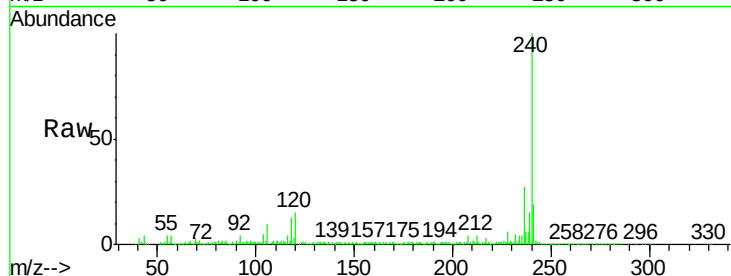
ClientSampleId :

VNJ-223

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.5	9.5	14.3
236	26.9	20.7	31.1

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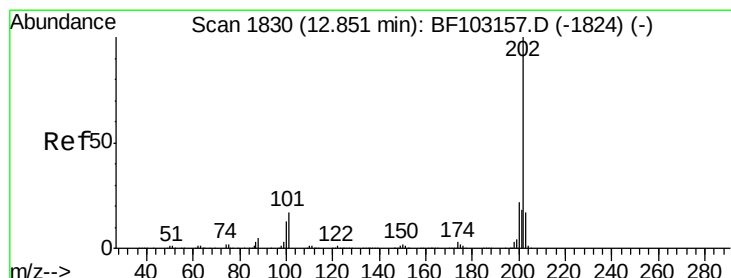
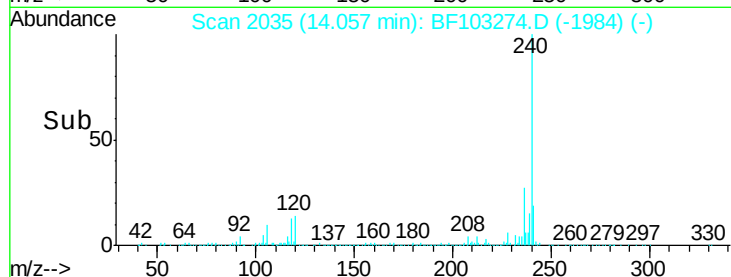
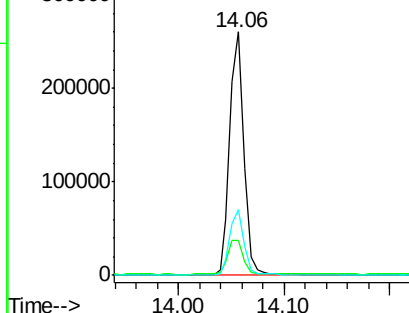
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 10.601 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF103274.D

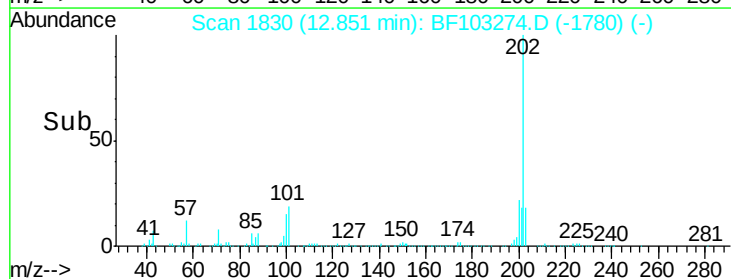
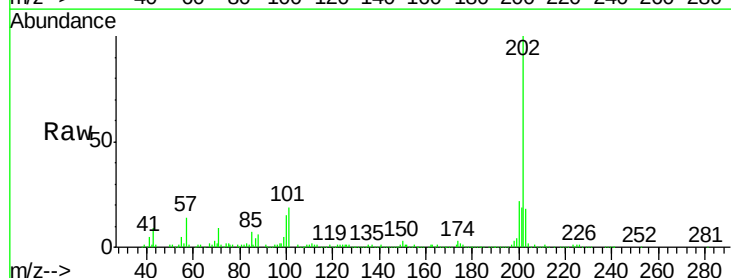
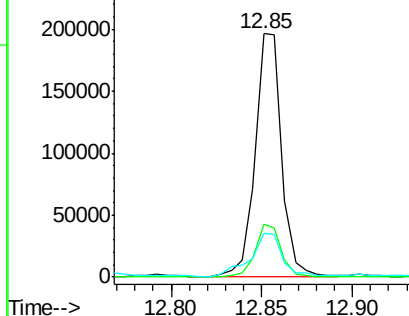
Acq: 27 Feb 2018 20:14

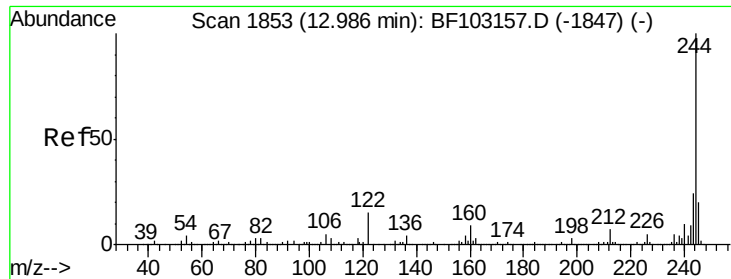
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.4	26.2
203	18.3	14.3	21.5

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





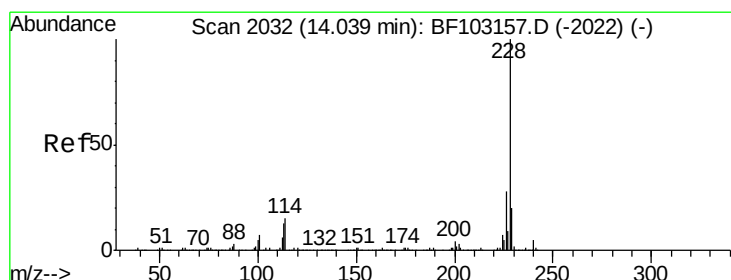
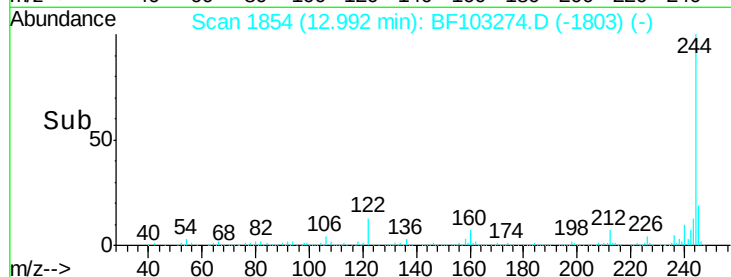
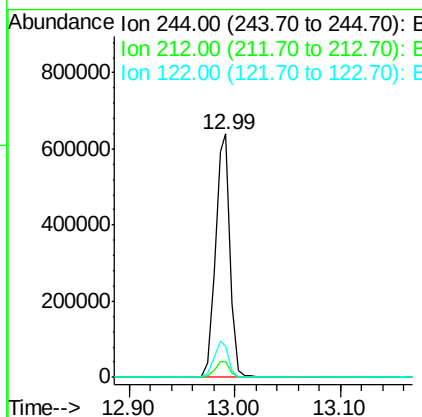
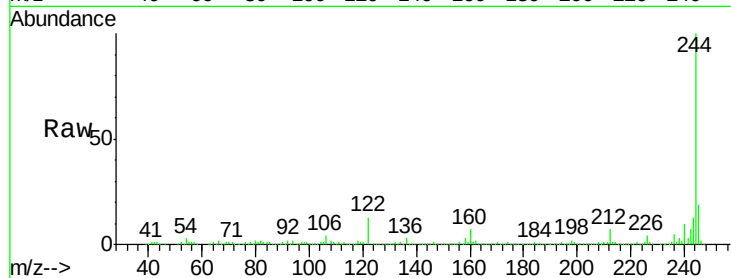
#78
 Terphenyl-d14
 Concen: 62.653 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: BF103274.D
 Acq: 27 Feb 2018 20:14

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-223

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	12.7	11.0	16.4

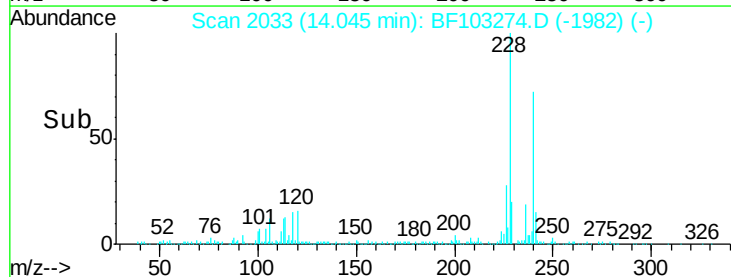
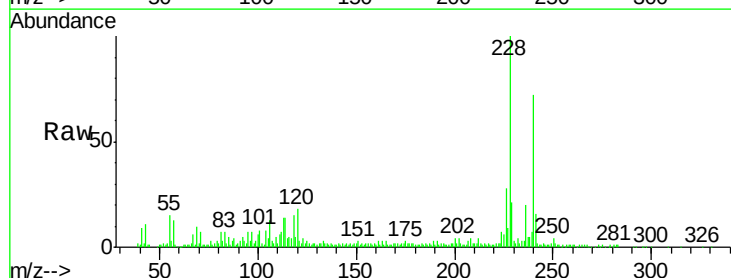
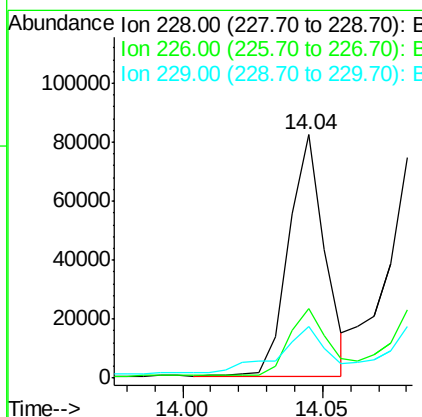
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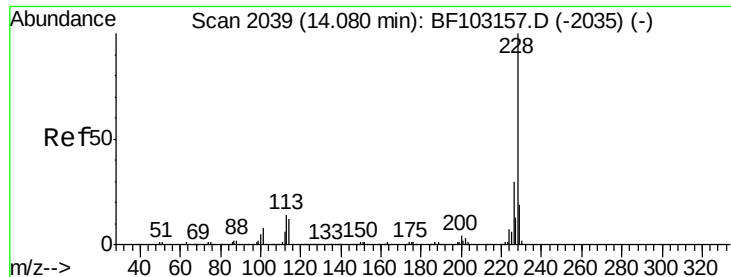
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#80
 Benzo(a)anthracene
 Concen: 4.787 ng m
 RT: 14.04 min Scan# 2033
 Delta R.T. -0.00 min
 Lab File: BF103274.D
 Acq: 27 Feb 2018 20:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	33.8
229	21.3	15.8	23.6





#82

Chrysene

Concen: 5.189 ng/mL

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF103274.D

Acq: 27 Feb 2018 20:14

Instrument :

BNA_F

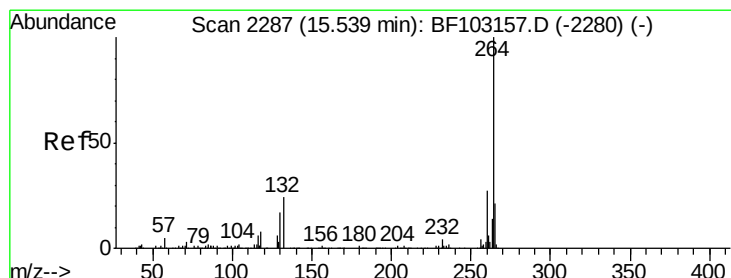
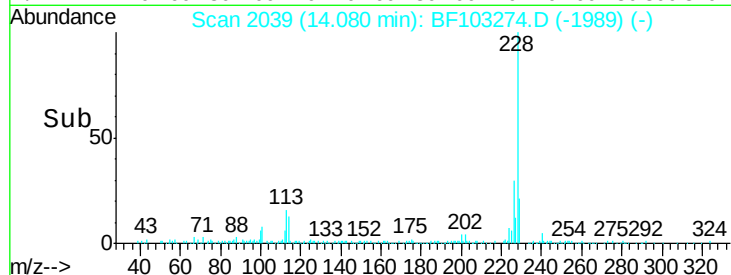
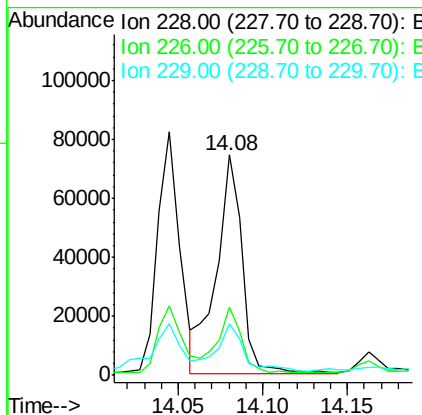
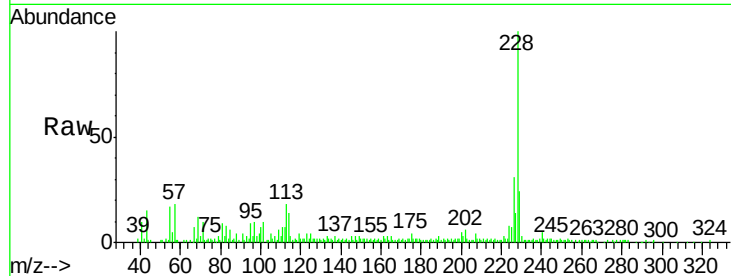
ClientSampled :

VNJ-223

Tot Ion:	228	Resp:	78622
Ion Ratio	Lower	Upper	
228	100		
226	31.0	25.0	37.6
229	23.5	16.2	24.4

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#86

Perylene-d12

Concen: 20.000 ng/mL

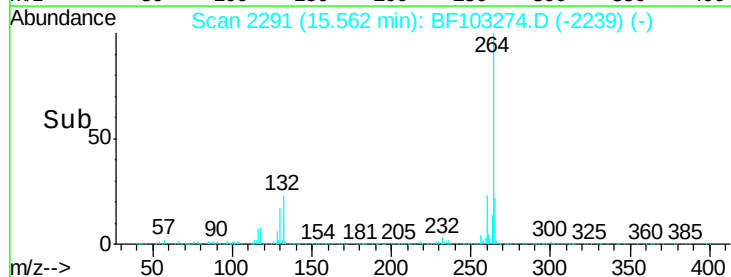
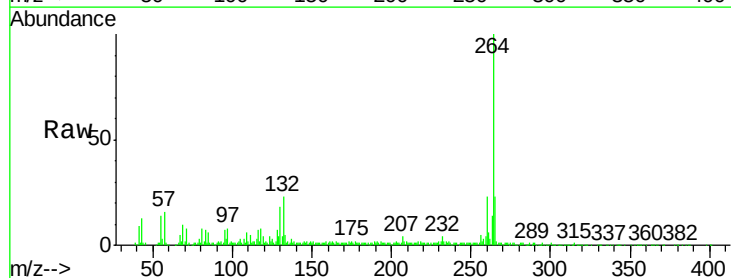
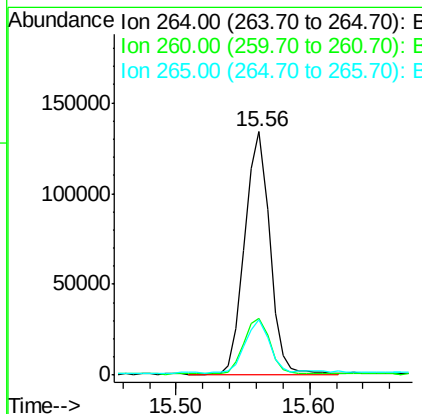
RT: 15.56 min Scan# 2291

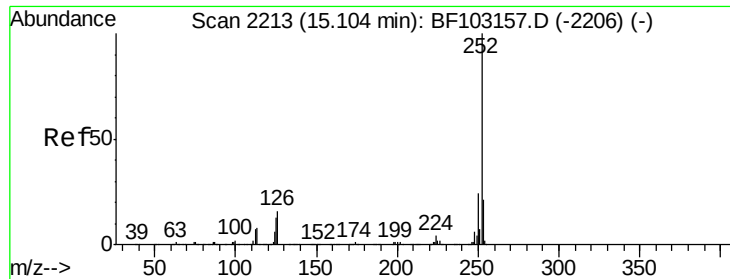
Delta R.T. 0.01 min

Lab File: BF103274.D

Acq: 27 Feb 2018 20:14

Tgt Ion:	264	Resp:	173980
Ion Ratio	Lower	Upper	
264	100		
260	23.4	19.2	28.8
265	22.7	17.5	26.3





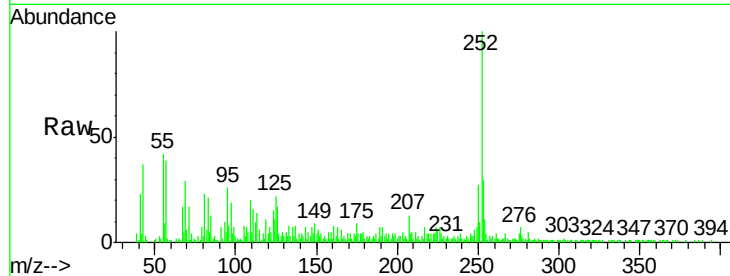
#87
Benzo(b)fluoranthene
Concen: 5.906 ng m
RT: 15.12 min Scan# 2216
Delta R.T. 0.01 min
Lab File: BF103274.D
Acq: 27 Feb 2018 20:14

Instrument :
BNA_F
ClientSampleId :
VNJ-223

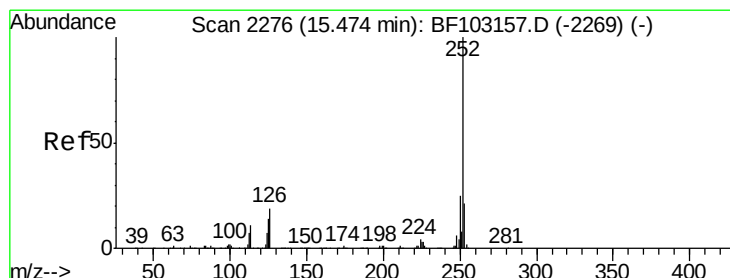
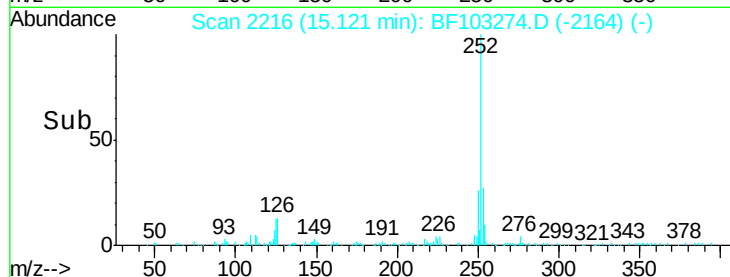
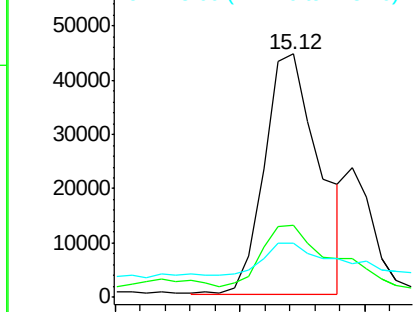
Tot Ion	Ratio	Lower	Upper
252	100		
253	29.5	17.0	25.6#
125	22.3	9.0	13.6#

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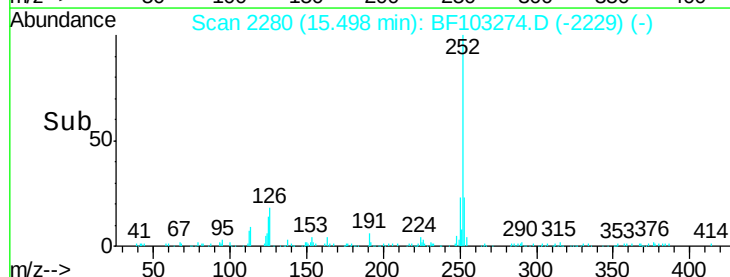
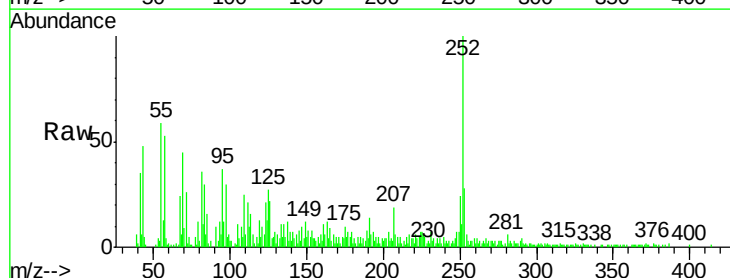
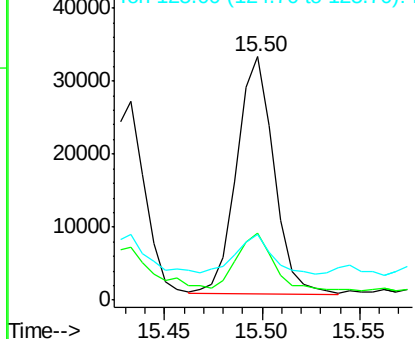
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

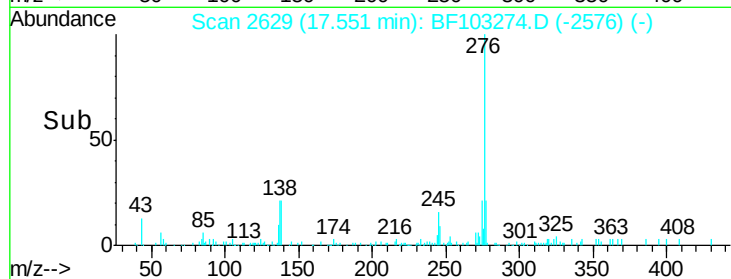
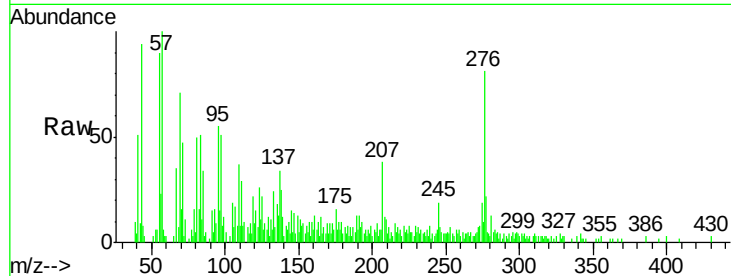
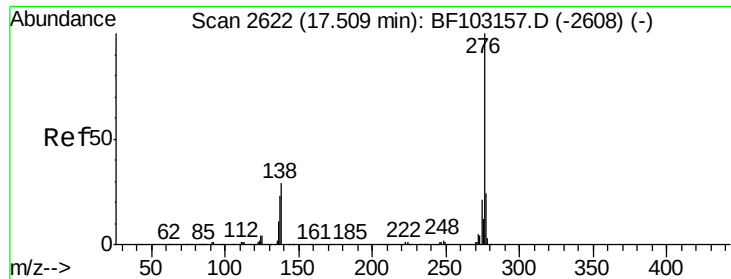


#89
Benzo(a)pyrene
Concen: 4.213 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.00 min
Lab File: BF103274.D
Acq: 27 Feb 2018 20:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.6	17.1	25.7#
125	26.8	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: 3.016 ng
RT: 17.55 min Scan# 2629
Delta R.T. 0.01 min
Lab File: BF103274.D
Acq: 27 Feb 2018 20:14

Instrument :
BNA_F
ClientSampleId :
VNJ-223

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.5	17.9	26.9#
138	30.9	21.8	32.8

Manual Integrations
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