

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022019\
 Data File : BF112643.D
 Acq On : 20 Feb 2019 15:51
 Operator : JU/SJ
 Sample : K1349-11 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-021919-B

Manual Integrations
 APPROVED

Sohil
 2/21/2019 10:03:43 AM

Quant Time: Feb 20 17:58:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 20 16:59:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	82001	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	338730	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	160269	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	276758	20.00	ng	0.00
76) Chrysene-d12	14.00	240	215769	20.00	ng	0.00
87) Perylene-d12	15.47	264	222126	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	83998	21.76	ng	0.01
7) Phenol-d6	6.49	99	112234	20.92	ng	0.00
23) Nitrobenzene-d5	7.39	82	71118	12.10	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	33814	18.13	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	164379	14.51	ng	0.00
79) Terphenyl-d14	12.92	244	148851	12.99	ng	-0.01

Target Compounds

						Qvalue
52) Acenaphthene	9.89	154	58461	6.145	ng	97
55) Dibenzofuran	10.07	168	40809	2.807	ng	95
58) Fluorene	10.41	166	60796	5.588	ng	94
71) Phenanthrene	11.37	178	566394	39.365	ng	97
72) Anthracene	11.42	178	173242	12.087	ng	97
73) Carbazole	11.59	167	54392	3.847	ng	96
75) Fluoranthene	12.57	202	745855	48.331	ng	99
78) Pyrene	12.80	202	618513	41.404	ng	99
81) Benzo(a)anthracene	13.99	228	333547	26.297	ng	99
83) Chrysene	14.02	228	250952	20.727	ng	97
86) Indeno(1,2,3-cd)pyrene	16.96	276	136043	14.180	ng	# 91
88) Benzo(b)fluoranthene	15.04	252	357643m	26.922	ng	
89) Benzo(k)fluoranthene	15.06	252	125364m	9.852	ng	
90) Benzo(a)pyrene	15.41	252	260595	21.802	ng	99
91) Dibenzo(a,h)anthracene	16.95	278	34345	3.565	ng	# 94
92) Benzo(g,h,i)perylene	17.42	276	119270	13.123	ng	97

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

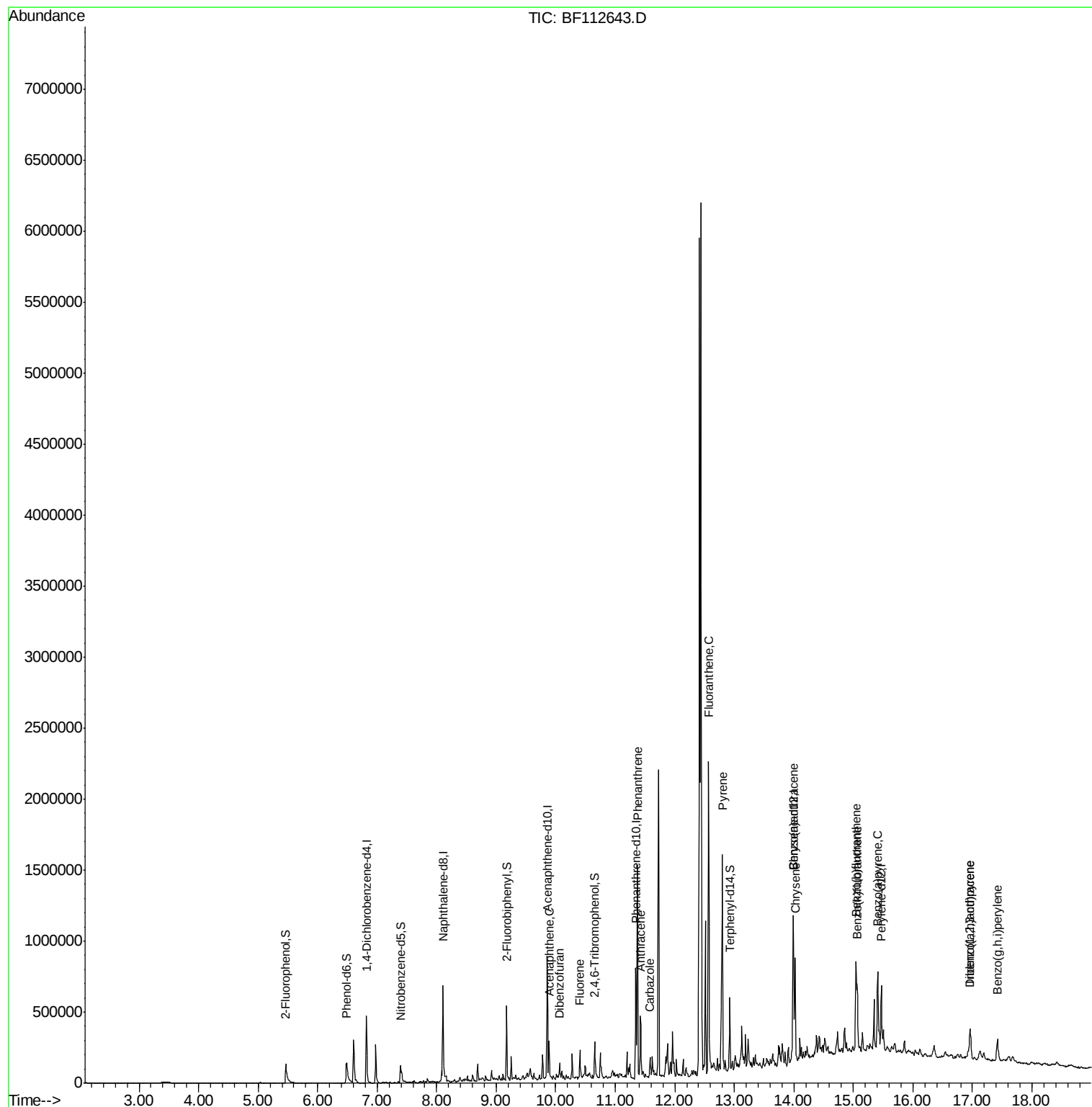
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022019\
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ALS Vial : 9 Sample Multiplier: 1

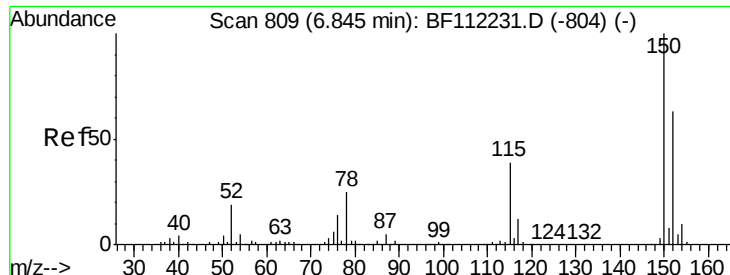
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

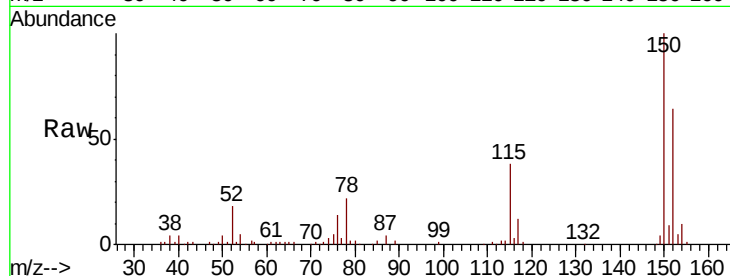
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF112643.D
Acq: 20 Feb 2019 15:51

Instrument :
BNA_F
ClientSampleId :
OR-02-021919-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	127.4	191.0
115	59.2	45.5	68.3

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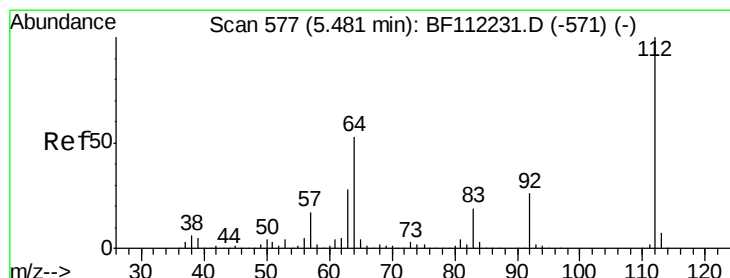
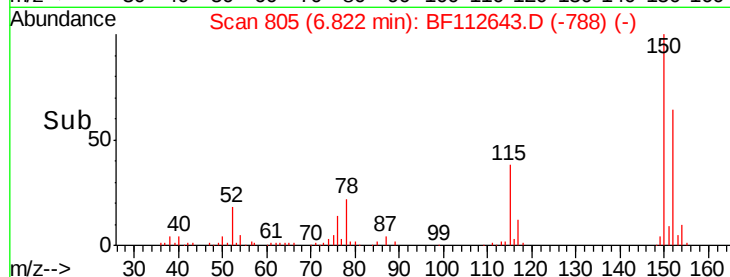
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

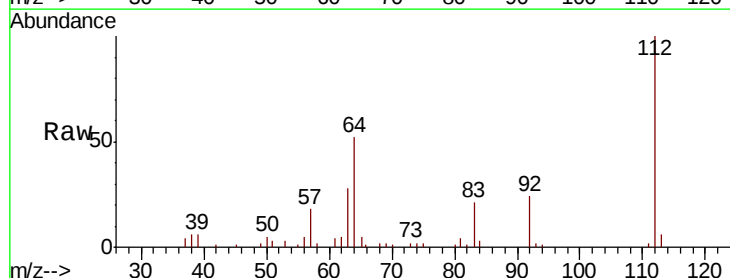
Time-->



#5

2-Fluorophenol
Concen: 21.758 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF112643.D
Acq: 20 Feb 2019 15:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.3	45.7	68.5
63	28.4	23.6	35.4



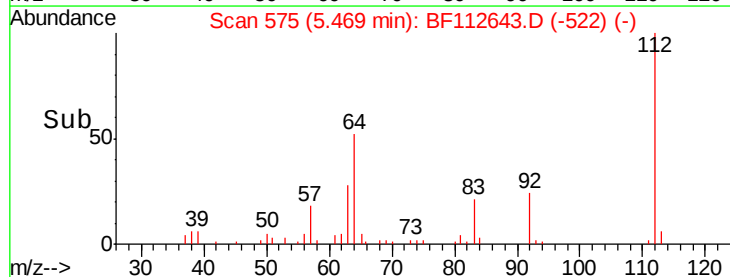
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Time-->





#7

Phenol-d6

Concen: 20.922 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.01 min

Lab File: BF112643.D

Acq: 20 Feb 2019 15:51

Instrument :

BNA_F

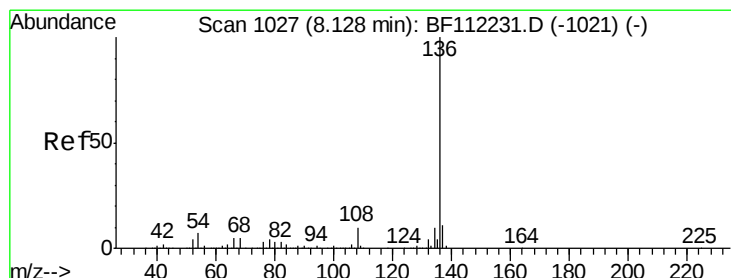
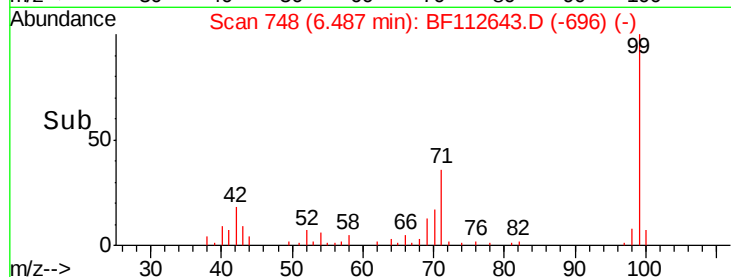
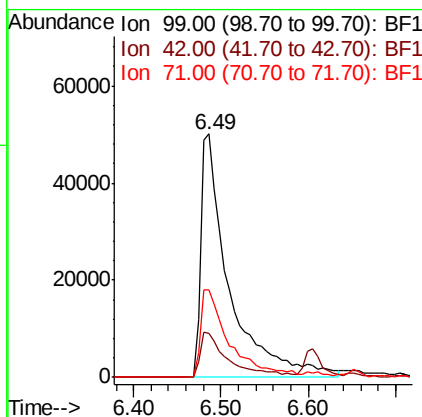
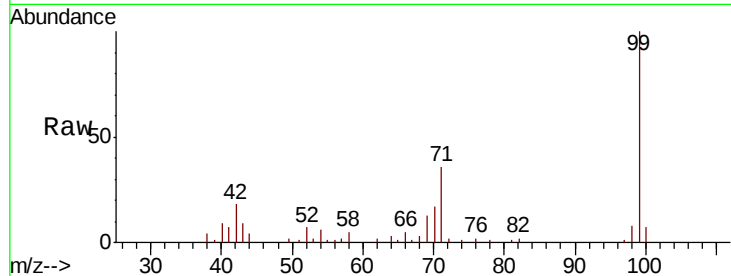
ClientSampleId :

OR-02-021919-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		112234		
42	17.8	15.1	22.7		
71	35.9	26.9	40.3		

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#21

Naphthalene-d8

Concen: 20.000 ng

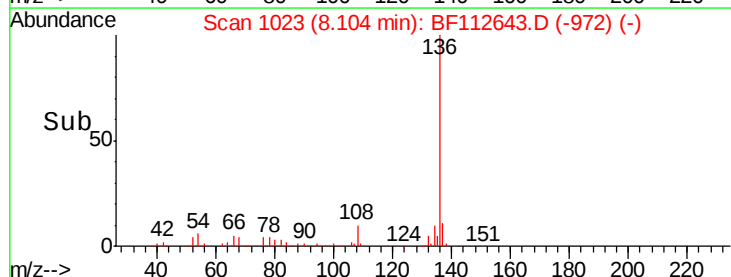
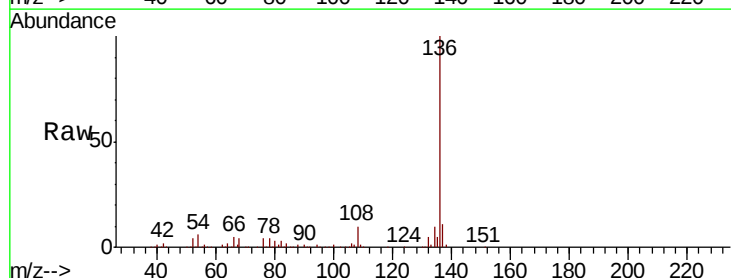
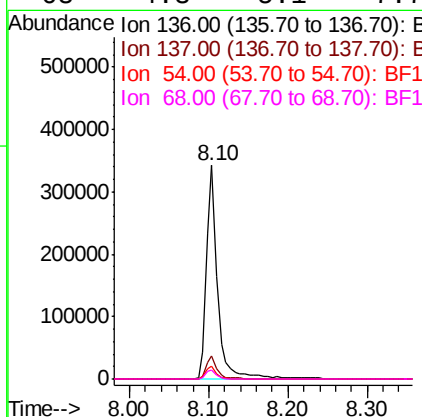
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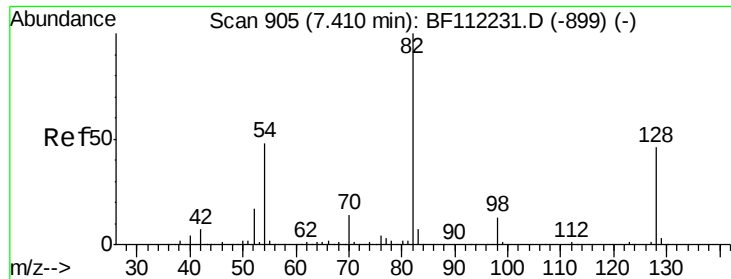
Delta R.T. 0.00 min

Lab File: BF112643.D

Acq: 20 Feb 2019 15:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		338730		
137	10.5	9.1	13.7		
54	6.2	5.9	8.9		
68	4.3	5.1	7.7#		





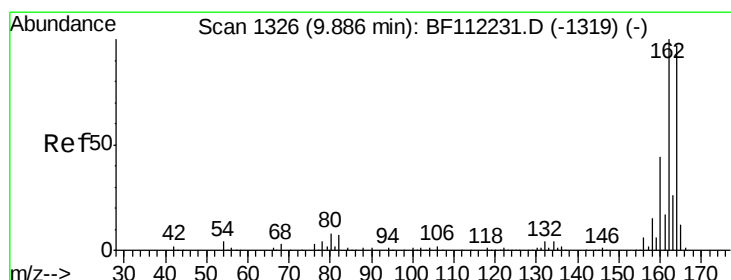
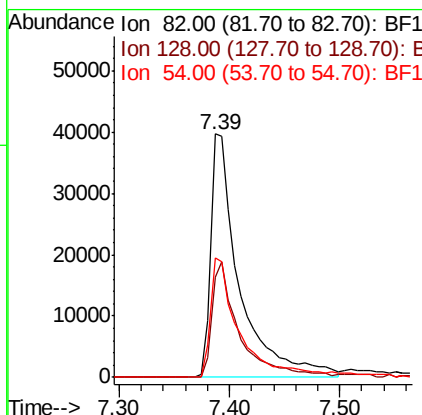
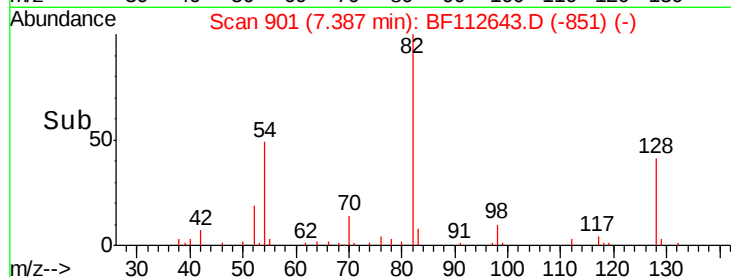
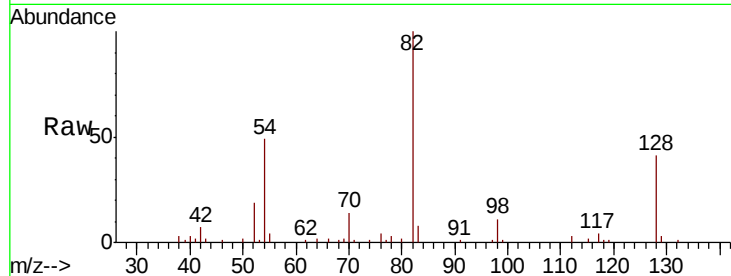
#23
Nitrobenzene-d5
Concen: 12.098 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF112643.D
Acq: 20 Feb 2019 15:51

Instrument :
BNA_F
ClientSampleId :
OR-02-021919-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.2	37.8	56.8
54	49.1	39.7	59.5

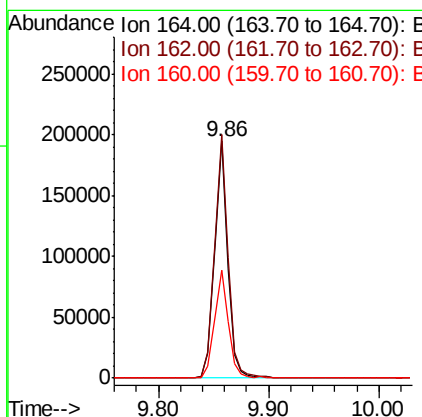
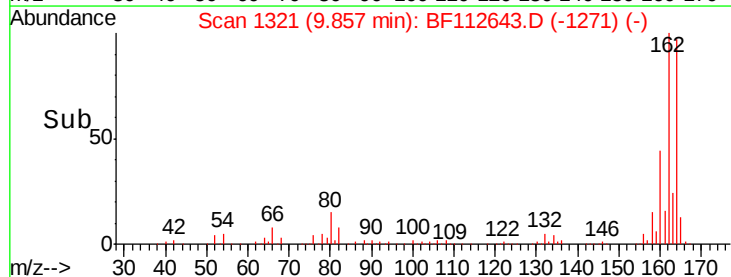
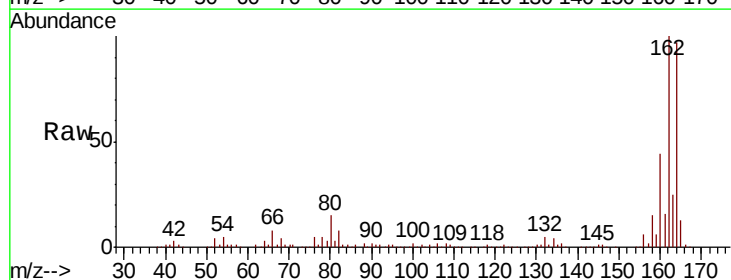
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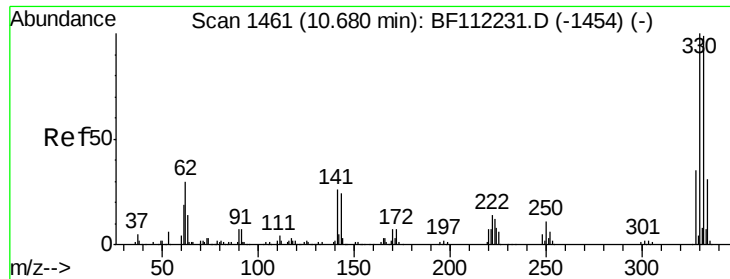
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BF112643.D
Acq: 20 Feb 2019 15:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.8	82.2	123.4
160	45.3	36.2	54.4





#42

2,4,6-Tribromophenol

Concen: 18.126 ng

RT: 10.66 min Scan# 1457

Delta R.T. 0.00 min

Lab File: BF112643.D

Acq: 20 Feb 2019 15:51

Instrument :

BNA_F

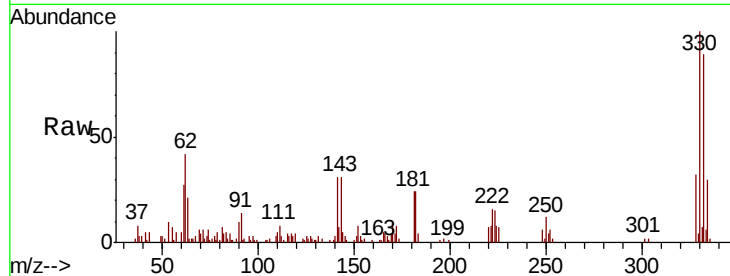
ClientSampleId :

OR-02-021919-B

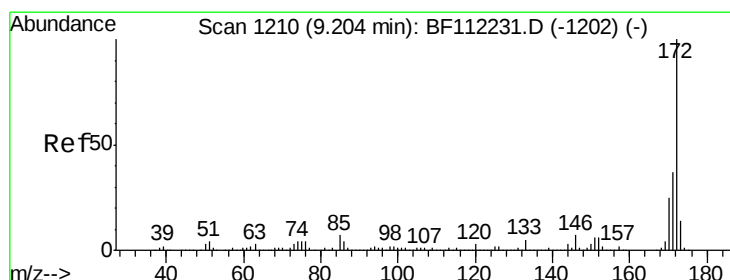
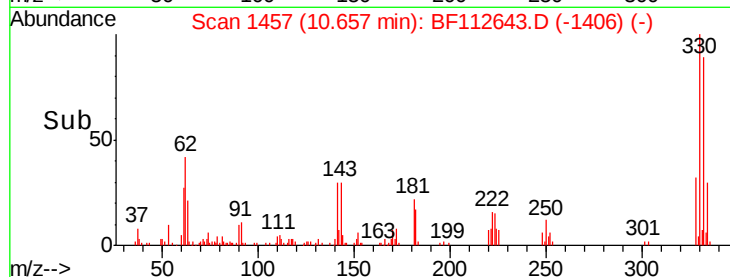
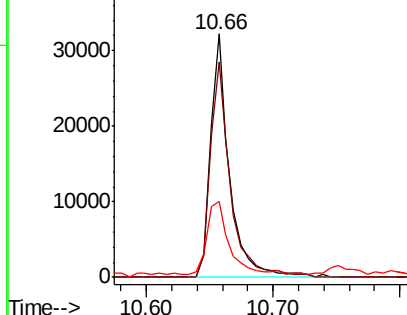
Tot Ion:	330	Resp:	33814
Ion Ratio	Lower	Upper	
330	100		
332	93.9	76.6	114.8
141	35.0	24.3	36.5

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 14.506 ng

RT: 9.17 min Scan# 1205

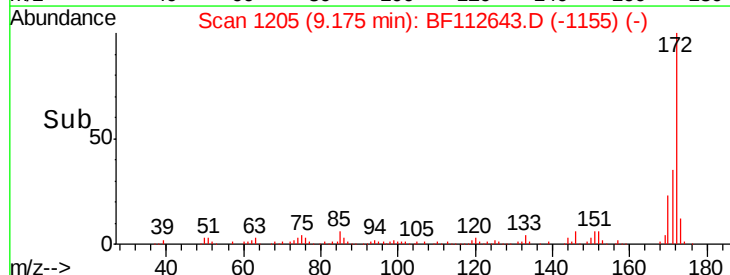
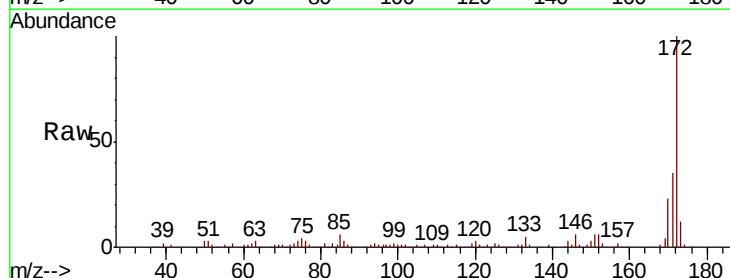
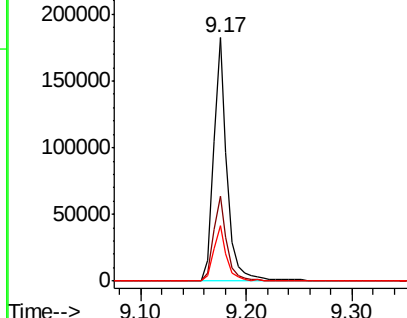
Delta R.T. -0.01 min

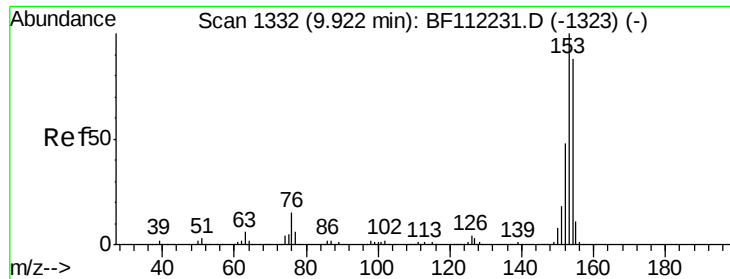
Lab File: BF112643.D

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Tgt Ion:	172	Resp:	164379
Ion Ratio	Lower	Upper	
172	100		
171	34.6	30.5	45.7
170	23.0	20.2	30.4

Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





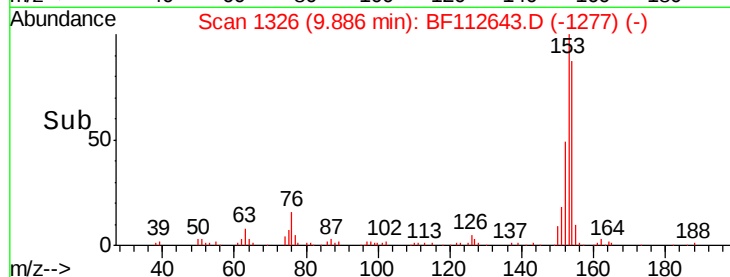
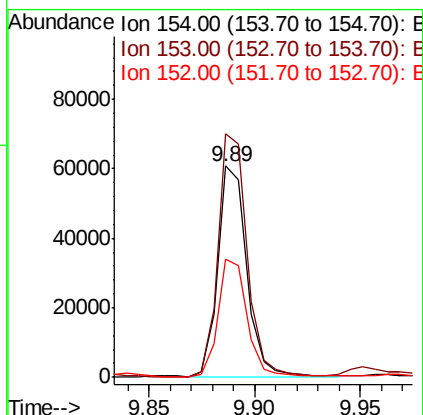
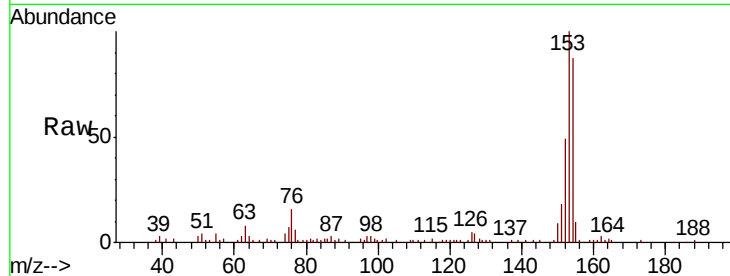
#52
Acenaphthene
Concen: 6.145 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF112643.D
Acq: 20 Feb 2019 15:51

Instrument :
BNA_F
ClientSampleId :
OR-02-021919-B

Tot Ion	Ratio	Lower	Upper
154	100		
153	115.3	89.8	134.6
152	55.9	43.5	65.3

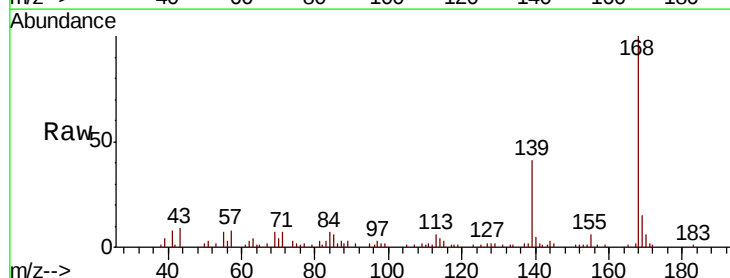
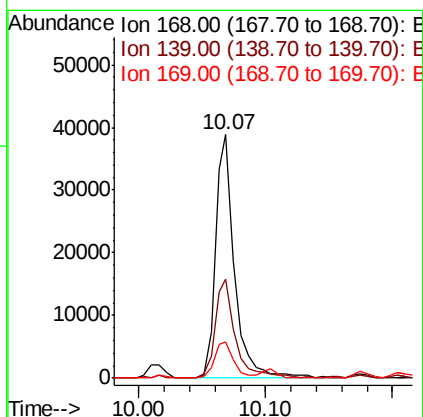
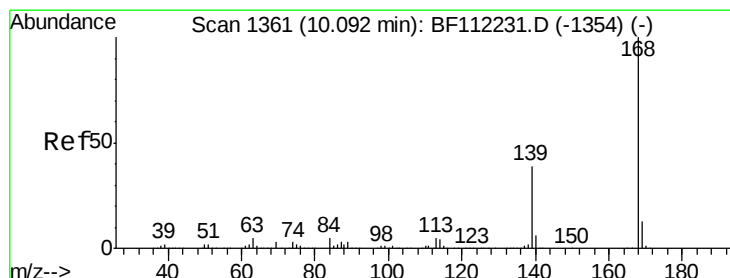
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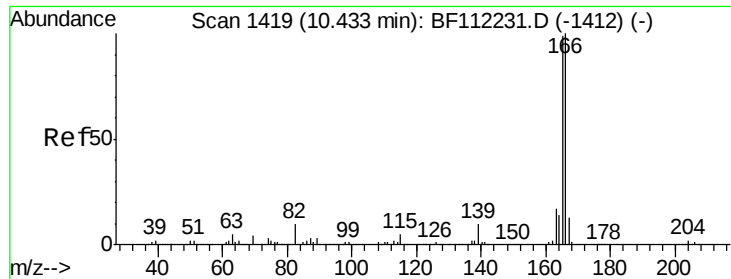
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#55
Dibenzofuran
Concen: 2.807 ng
RT: 10.07 min Scan# 1357
Delta R.T. 0.00 min
Lab File: BF112643.D
Acq: 20 Feb 2019 15:51

Tgt Ion	Ratio	Lower	Upper
168	100		
139	40.7	29.2	43.8
169	14.7	11.4	17.0





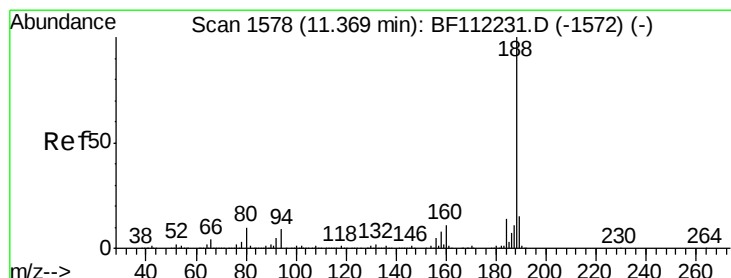
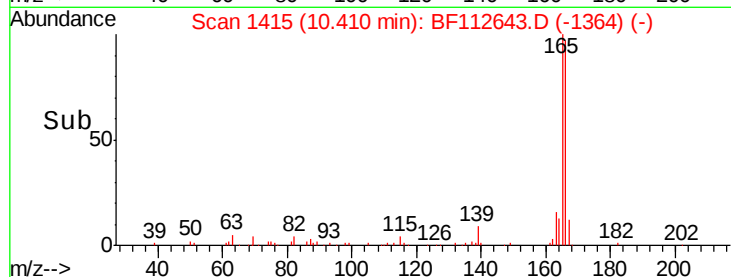
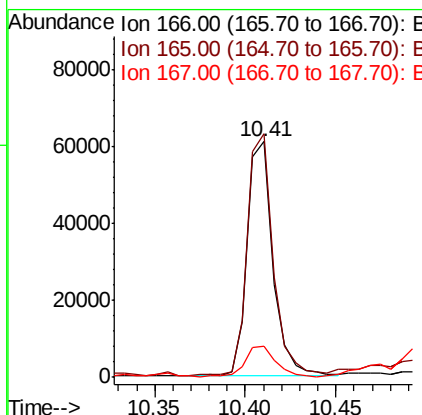
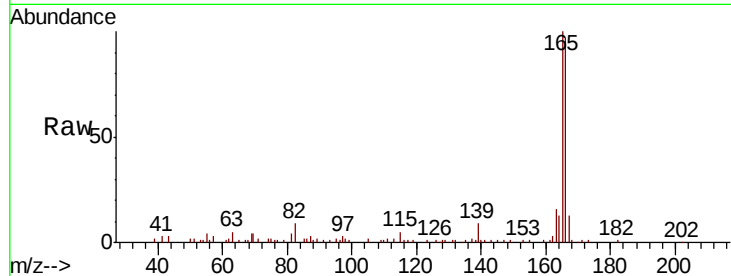
#58
 Fluorene
 Concen: 5.588 ng
 RT: 10.41 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: BF112643.D
 Acq: 20 Feb 2019 15:51

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-021919-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	103.3	77.1	115.7		
167	13.3	11.3	16.9		

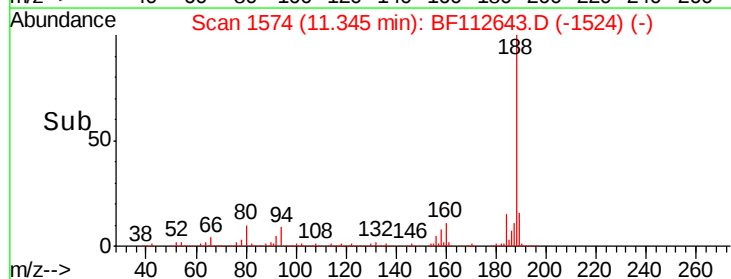
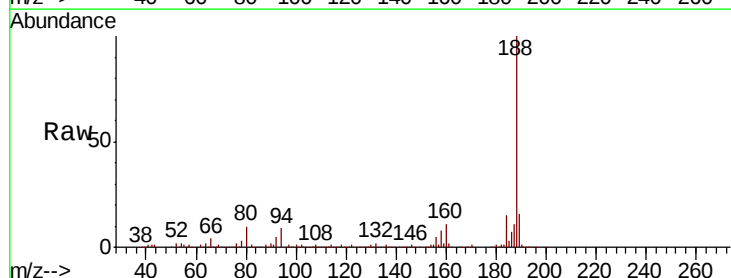
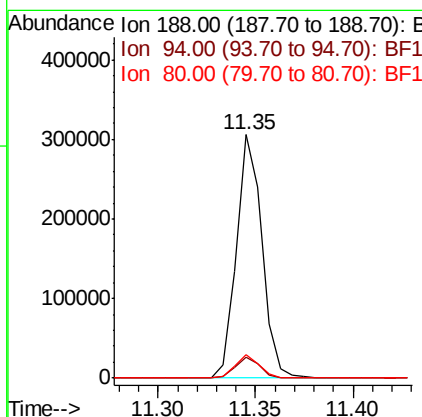
Manual Integrations
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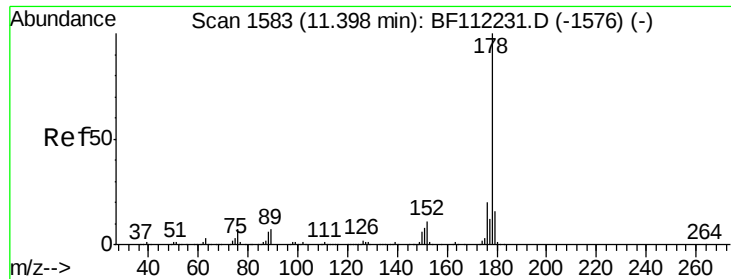
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: BF112643.D
 Acq: 20 Feb 2019 15:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	8.5	8.2	12.2		
80	9.6	8.9	13.3		





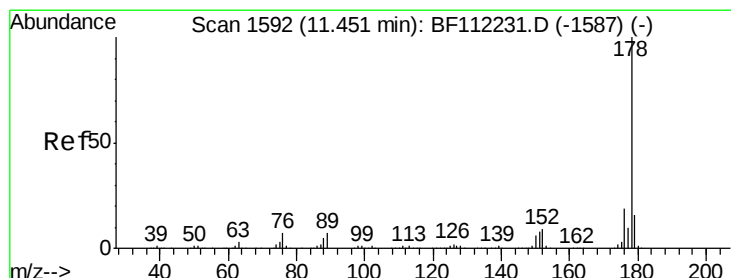
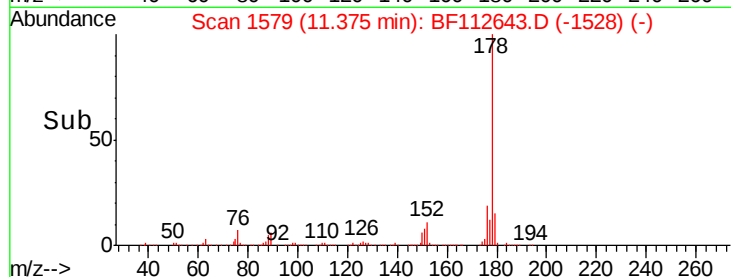
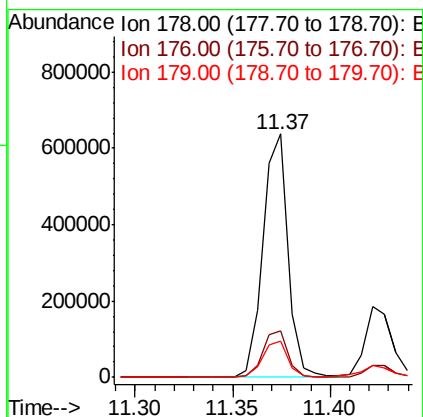
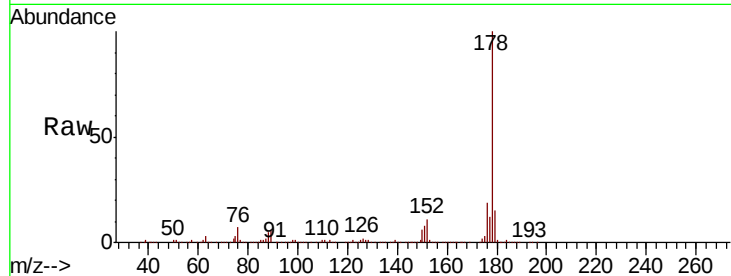
#71
Phenanthrene
Concen: 39.365 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BF112643.D
Acq: 20 Feb 2019 15:51

Instrument :
BNA_F
ClientSampleId :
OR-02-021919-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.3	24.5
179	15.1	13.0	19.4

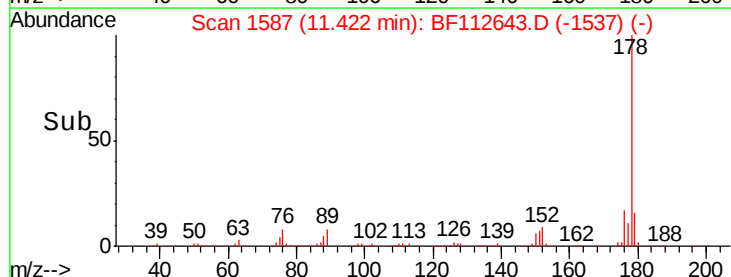
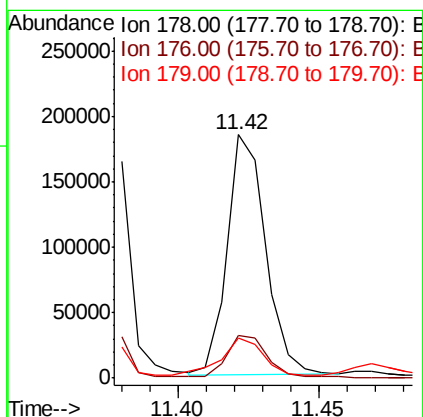
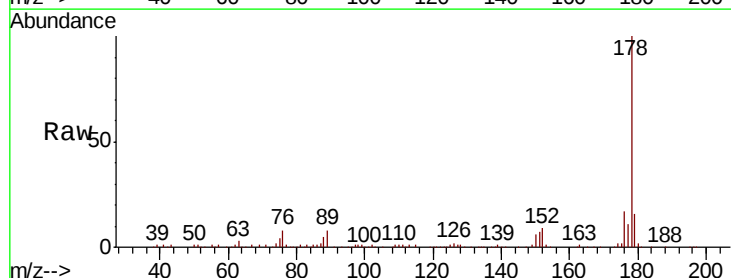
Manual Integrations
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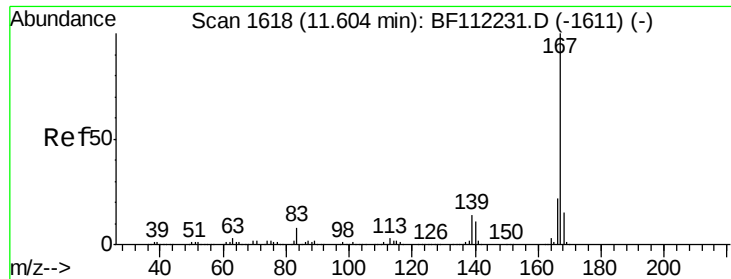
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#72
Anthracene
Concen: 12.087 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF112643.D
Acq: 20 Feb 2019 15:51

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.5	23.3
179	16.5	12.8	19.2





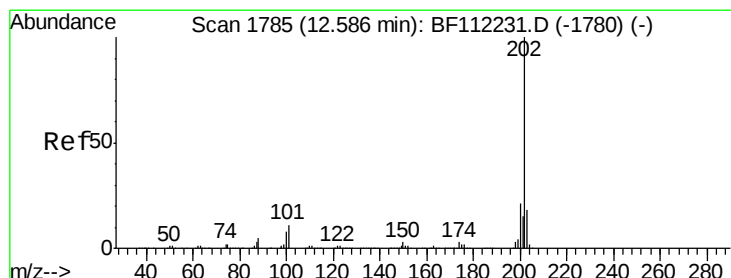
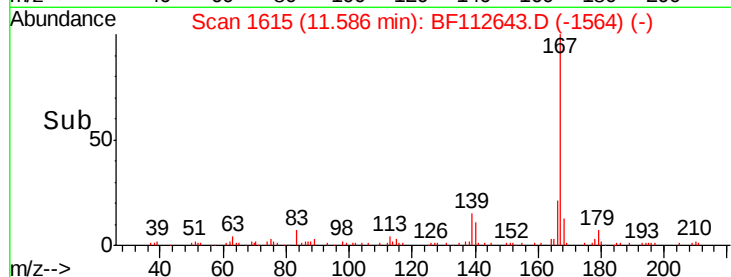
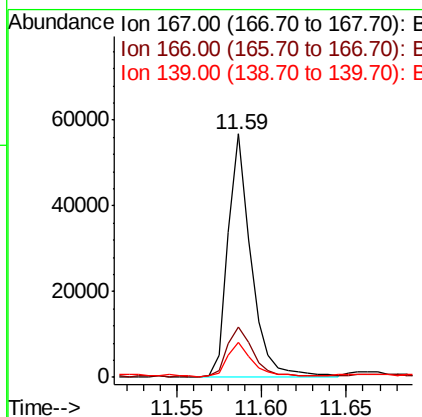
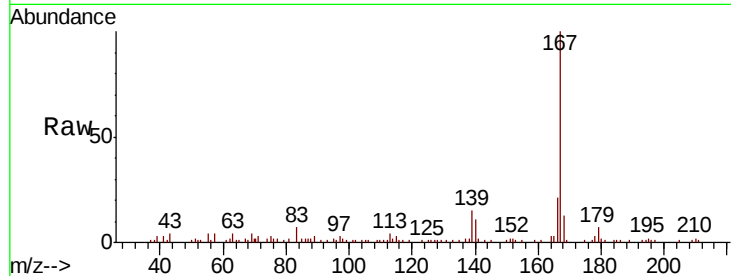
#73
 Carbazole
 Concen: 3.847 ng
 RT: 11.59 min Scan# 1615
 Delta R.T. 0.00 min
 Lab File: BF112643.D
 Acq: 20 Feb 2019 15:51

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-021919-B

Tot Ion	Ratio	Lower	Upper
167	100		
166	20.6	17.9	26.9
139	14.5	10.2	15.2

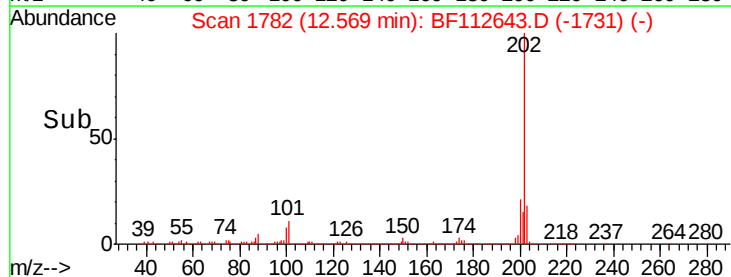
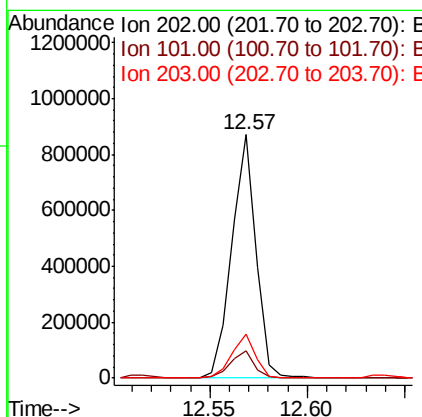
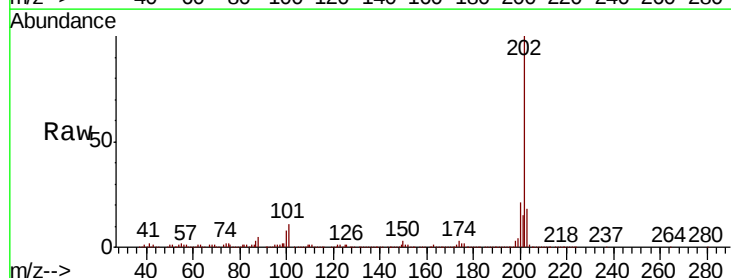
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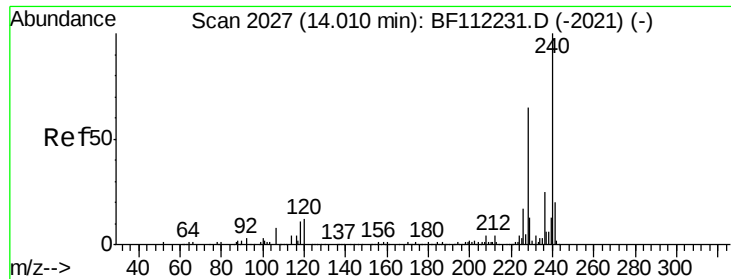
Sohil
 2/21/2019 10:03:43 AM



#75
 Fluoranthene
 Concen: 48.331 ng
 RT: 12.57 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: BF112643.D
 Acq: 20 Feb 2019 15:51

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	31.8
203	18.0	0.0	38.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2025

Delta R.T. 0.00 min

Lab File: BF112643.D

Acq: 20 Feb 2019 15:51

Instrument :

BNA_F

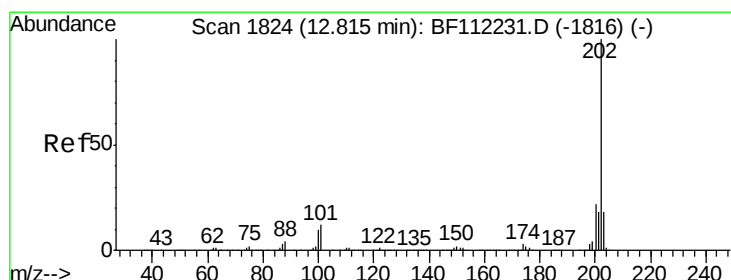
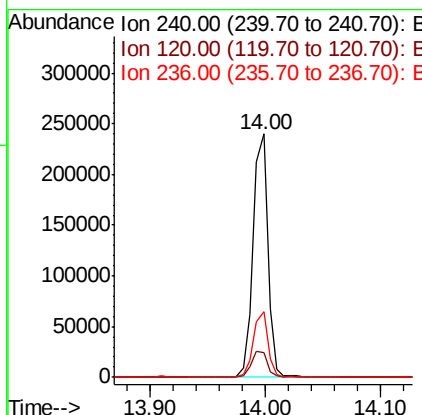
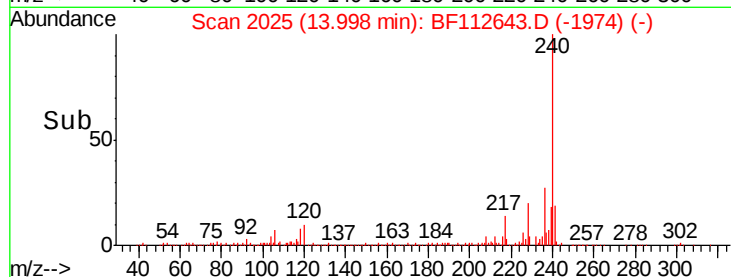
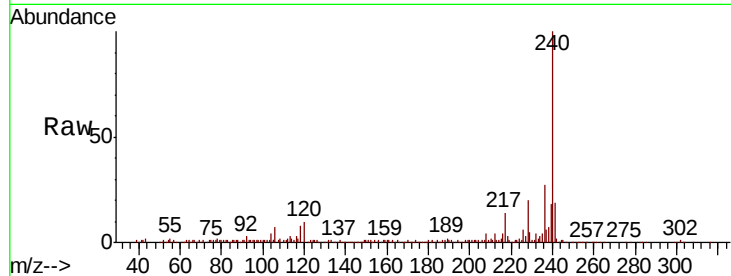
ClientSampleId :

OR-02-021919-B

Tot Ion:	240	Resp:	215769
Ion Ratio	Lower	Upper	
240	100		
120	10.2	9.0	13.6
236	26.8	20.7	31.1

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#78

Pyrene

Concen: 41.404 ng

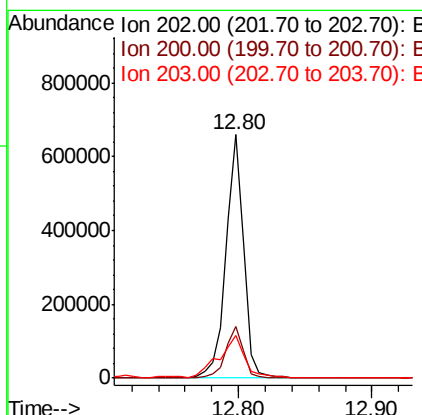
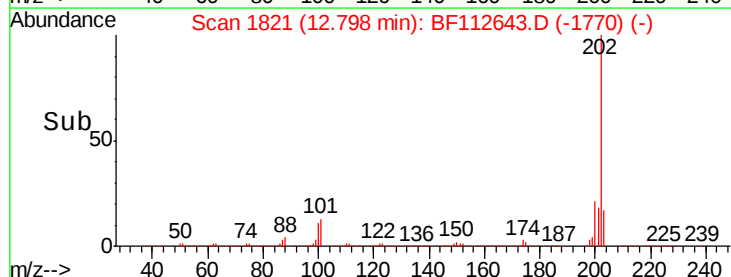
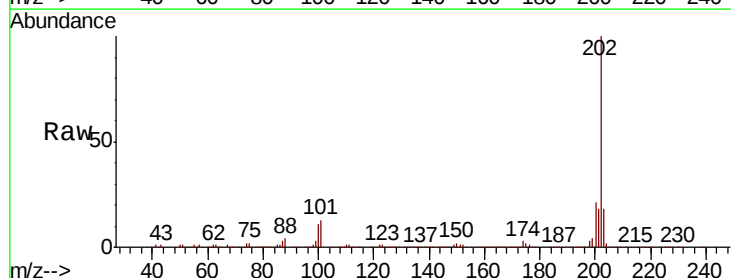
RT: 12.80 min Scan# 1821

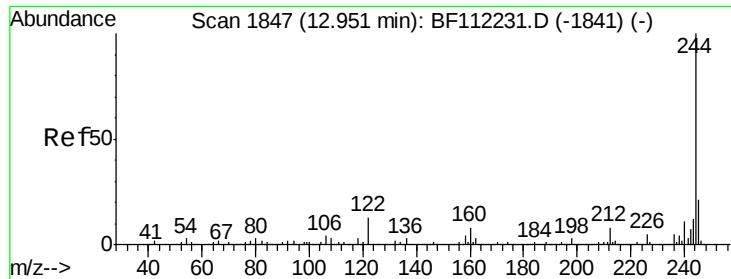
Delta R.T. 0.00 min

Lab File: BF112643.D

Acq: 20 Feb 2019 15:51

Tgt Ion:	202	Resp:	618513
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.7	26.5
203	17.6	14.6	22.0





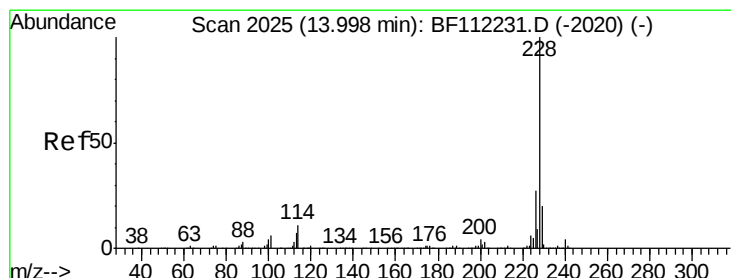
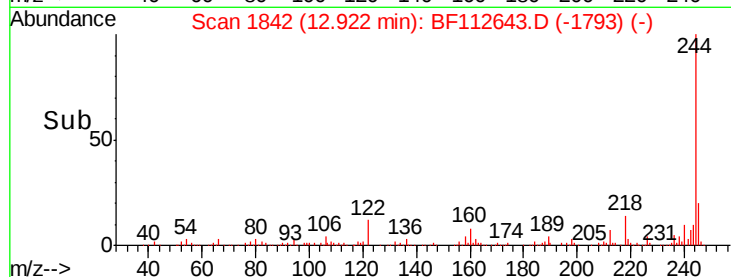
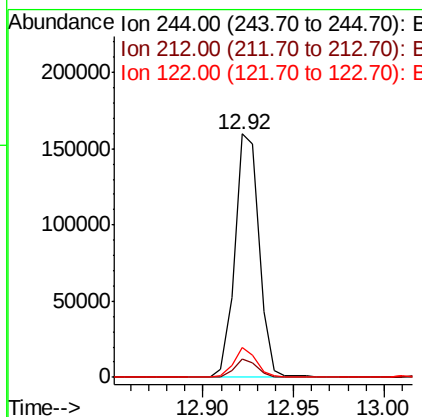
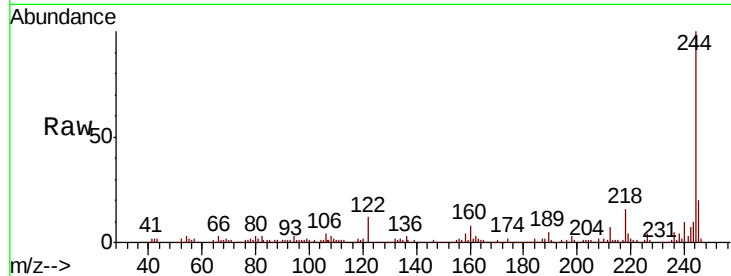
#79
 Terphenyl-d14
 Concen: 12.993 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. -0.01 min
 Lab File: BF112643.D
 Acq: 20 Feb 2019 15:51

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-021919-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.9	8.9
122	12.3	9.8	14.6

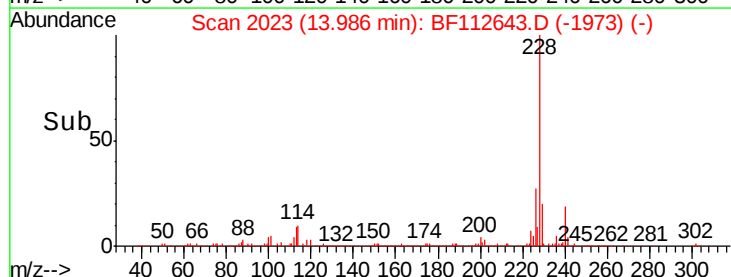
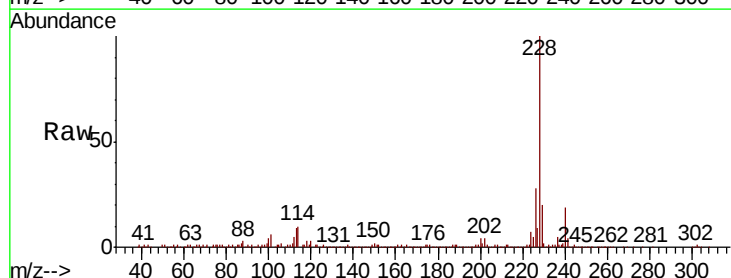
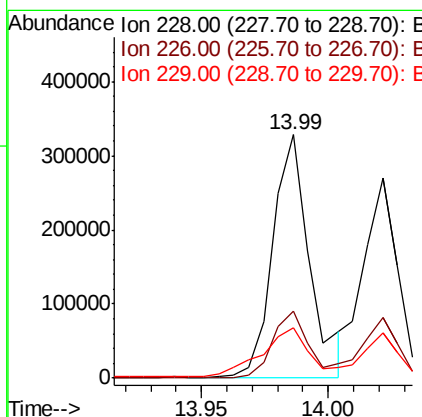
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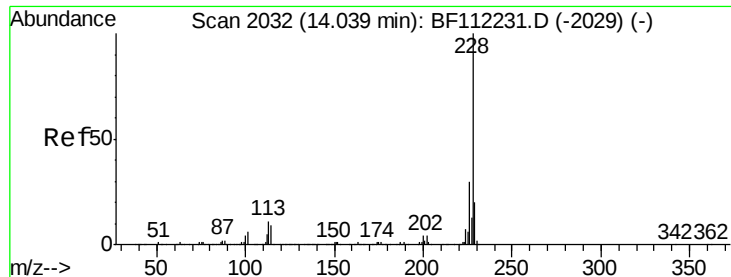
Sohil
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#81
 Benzo(a)anthracene
 Concen: 26.297 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF112643.D
 Acq: 20 Feb 2019 15:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.6	34.0
229	20.5	16.5	24.7





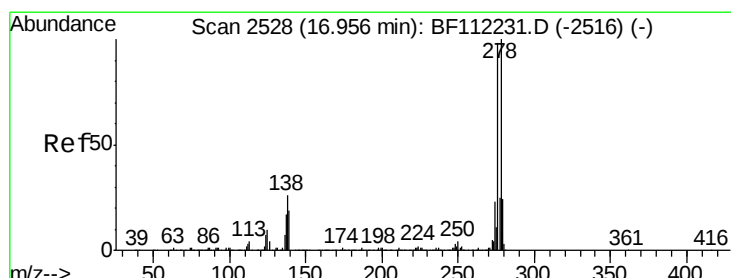
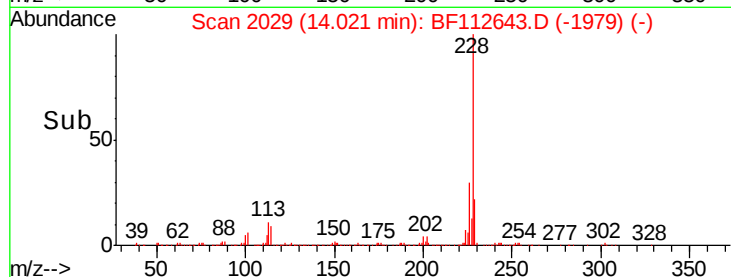
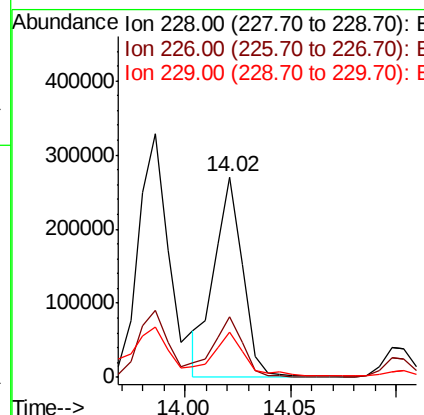
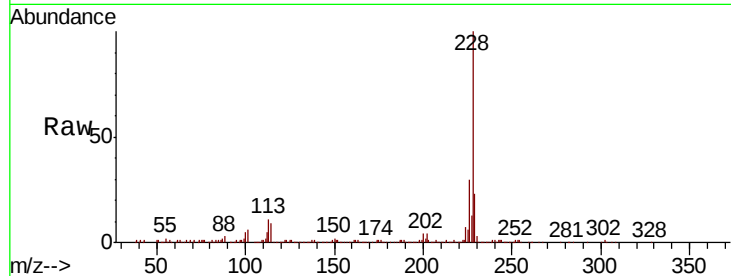
#83
Chrysene
Concen: 20.727 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF112643.D
Acq: 20 Feb 2019 15:51

Instrument :
BNA_F
ClientSampleId :
OR-02-021919-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	22.5	16.6	24.8

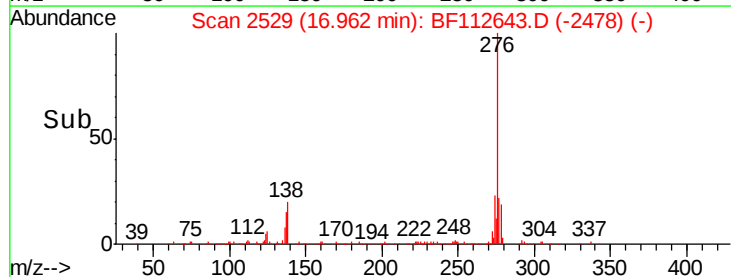
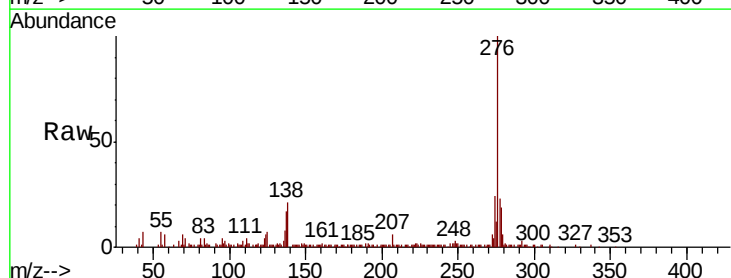
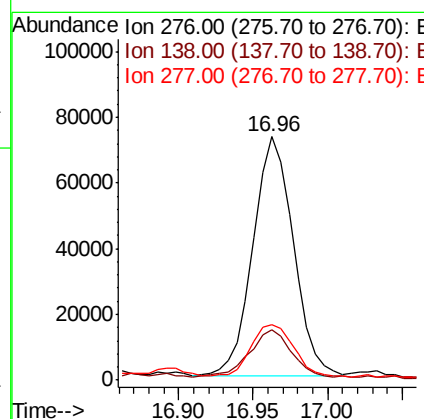
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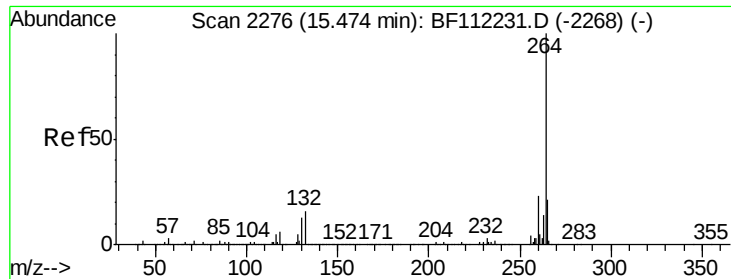
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#86
Indeno(1,2,3-cd)pyrene
Concen: 14.180 ng
RT: 16.96 min Scan# 2529
Delta R.T. 0.00 min
Lab File: BF112643.D
Acq: 20 Feb 2019 15:51

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.6	22.6	34.0#
277	24.2	20.3	30.5





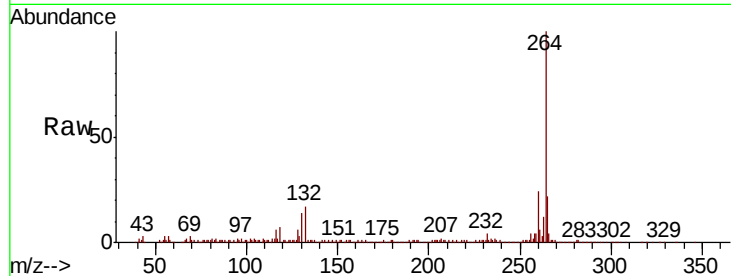
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.00 min
Lab File: BF112643.D
Acq: 20 Feb 2019 15:51

Instrument :
BNA_F
ClientSampleId :
OR-02-021919-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.2	27.2
265	22.5	17.0	25.4

Manual Integrations
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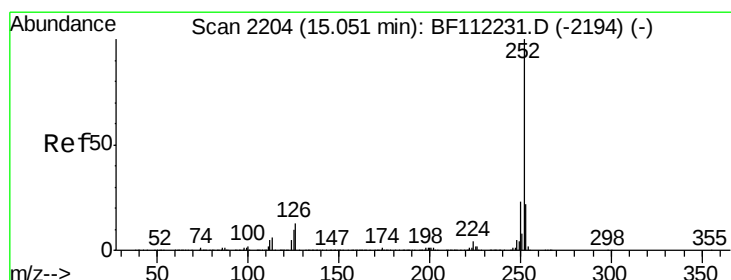
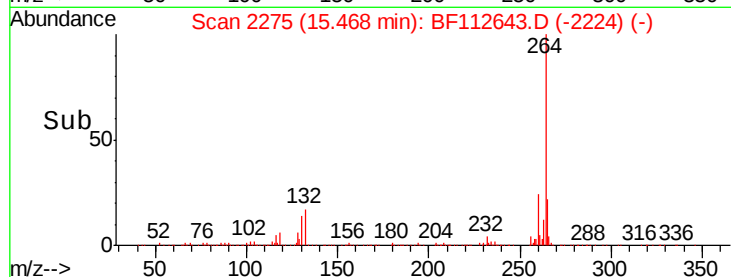
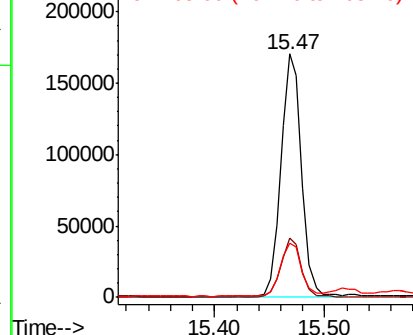


Abundance

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



#88
Benzo(b)fluoranthene
Concen: 26.922 ng m
RT: 15.04 min Scan# 2203
Delta R.T. 0.01 min
Lab File: BF112643.D
Acq: 20 Feb 2019 15:51

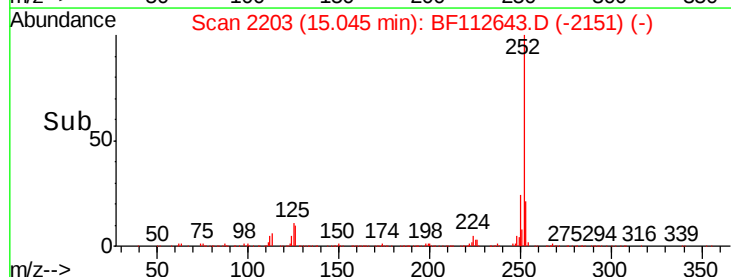
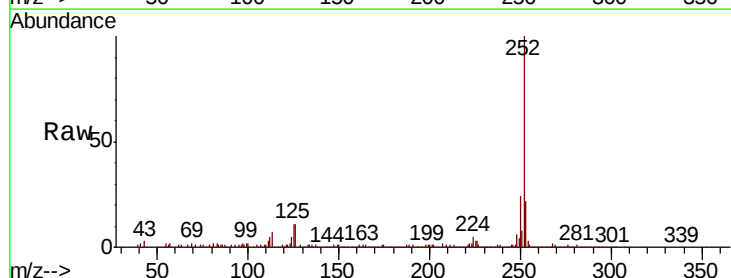
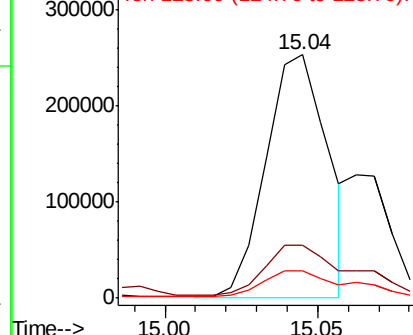
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.0	27.0
125	11.3	8.7	13.1

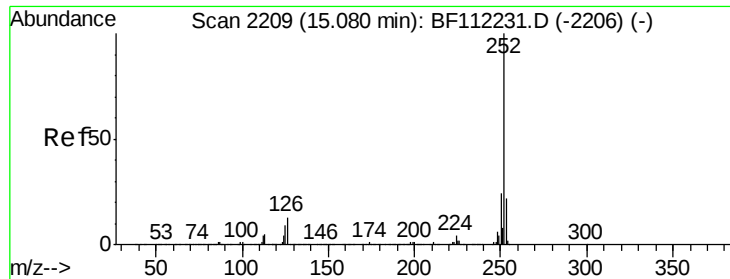
Abundance

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





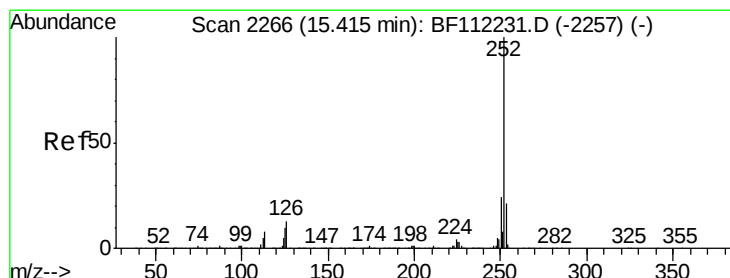
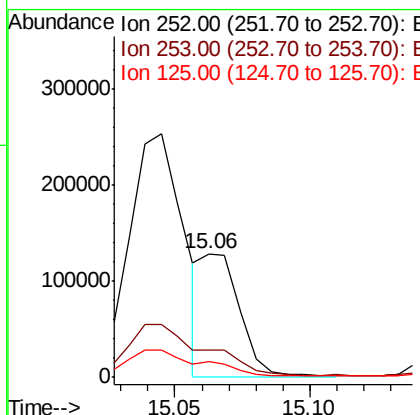
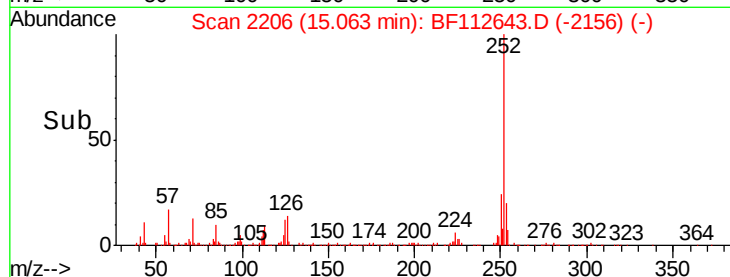
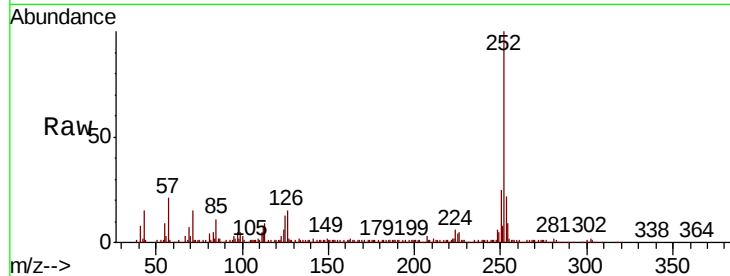
#89
Benzo(k)fluoranthene
Concen: 9.852 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF112643.D
Acq: 20 Feb 2019 15:51

Instrument :
BNA_F
ClientSampleId :
OR-02-021919-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.0	27.0
125	12.6	9.1	13.7

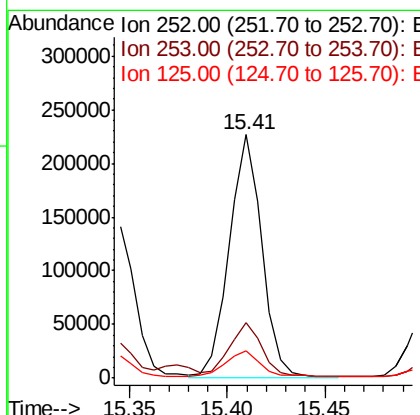
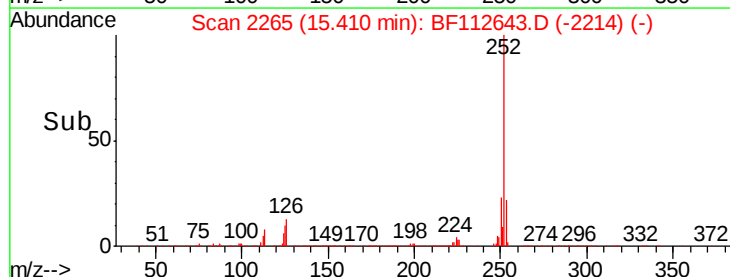
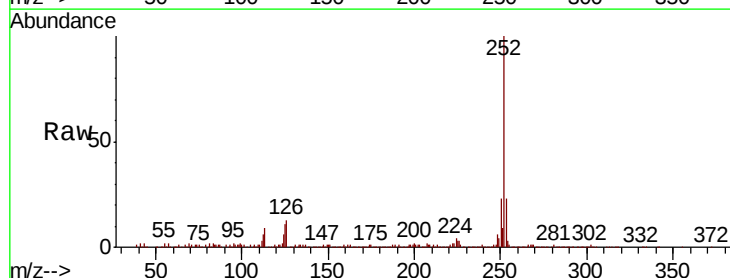
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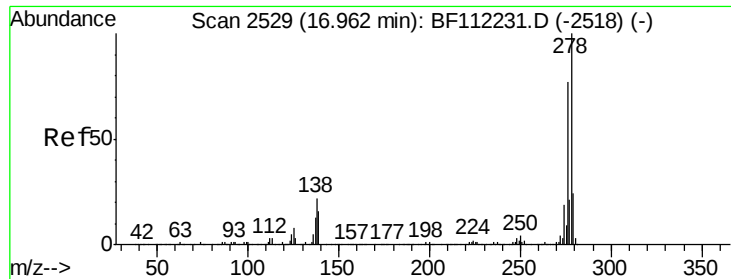
Sohil
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#90
Benzo(a)pyrene
Concen: 21.802 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.00 min
Lab File: BF112643.D
Acq: 20 Feb 2019 15:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	11.1	9.0	13.4





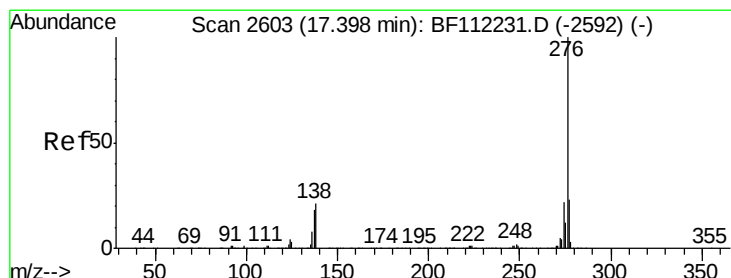
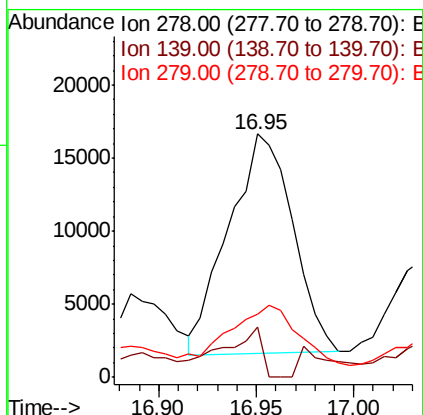
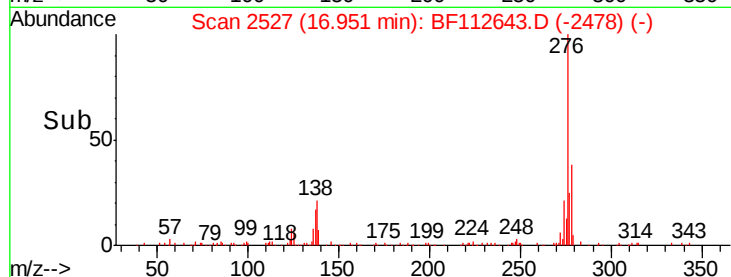
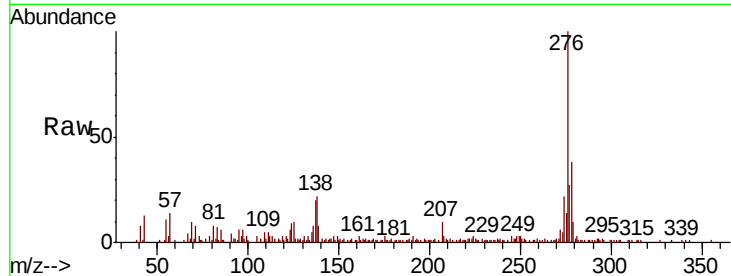
#91
Dibenzo(a,h)anthracene
Concen: 3.565 ng
RT: 16.95 min Scan# 2527
Delta R.T. -0.01 min
Lab File: BF112643.D
Acq: 20 Feb 2019 15:51

Instrument :
BNA_F
ClientSampleId :
OR-02-021919-B

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.7	13.7	20.5#
279	25.9	19.0	28.6

Manual Integrations
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2/21/2019 10:03:43 AM



#92
Benzo(g,h,i)perylene
Concen: 13.123 ng
RT: 17.42 min Scan# 2607
Delta R.T. 0.01 min
Lab File: BF112643.D
Acq: 20 Feb 2019 15:51

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.1	19.4	29.0
138	23.5	19.1	28.7

