

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022019\
 Data File : BF112642.D
 Acq On : 20 Feb 2019 15:22
 Operator : JU/SJ
 Sample : K1349-09 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

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

Manual Integrations
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Sohil
 2/21/2019 10:03:41 AM

Quant Time: Feb 20 17:54:51 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	78995	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	322325	20.00	ng	0.00
39) Acenaphthene-d10	9.86	164	155943	20.00	ng	0.00
64) Phenanthrene-d10	11.35	188	271809	20.00	ng	0.00
76) Chrysene-d12	13.99	240	203899	20.00	ng	0.00
87) Perylene-d12	15.47	264	212212	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	70903	19.06	ng	0.01
7) Phenol-d6	6.49	99	105821	20.48	ng	0.00
23) Nitrobenzene-d5	7.39	82	65639	11.73	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	29839	16.44	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	148117	13.43	ng	0.00
79) Terphenyl-d14	12.92	244	128051	11.83	ng	-0.01
Target Compounds						
31) Naphthalene	8.13	128	43779	2.904	ng	Qvalue 97
52) Acenaphthene	9.89	154	56895	6.146	ng	99
55) Dibenzofuran	10.07	168	46263	3.271	ng	95
58) Fluorene	10.41	166	62872	5.939	ng	97
71) Phenanthrene	11.37	178	490430	34.706	ng	98
72) Anthracene	11.43	178	141496	10.052	ng	97
73) Carbazole	11.59	167	53216	3.833	ng	99
75) Fluoranthene	12.56	202	478618	31.579	ng	98
78) Pyrene	12.79	202	387719	27.465	ng	99
81) Benzo(a)anthracene	13.98	228	183944	15.346	ng	97
83) Chrysene	14.02	228	158321	13.837	ng	97
86) Indeno(1,2,3-cd)pyrene	16.96	276	82733	9.126	ng	# 91
88) Benzo(b)fluoranthene	15.04	252	209286m	16.491	ng	
89) Benzo(k)fluoranthene	15.06	252	66392m	5.461	ng	
90) Benzo(a)pyrene	15.41	252	153329	13.427	ng	98
91) Dibenzo(a,h)anthracene	16.96	278	20544	2.232	ng	# 74
92) Benzo(g,h,i)perylene	17.42	276	76499	8.810	ng	96

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

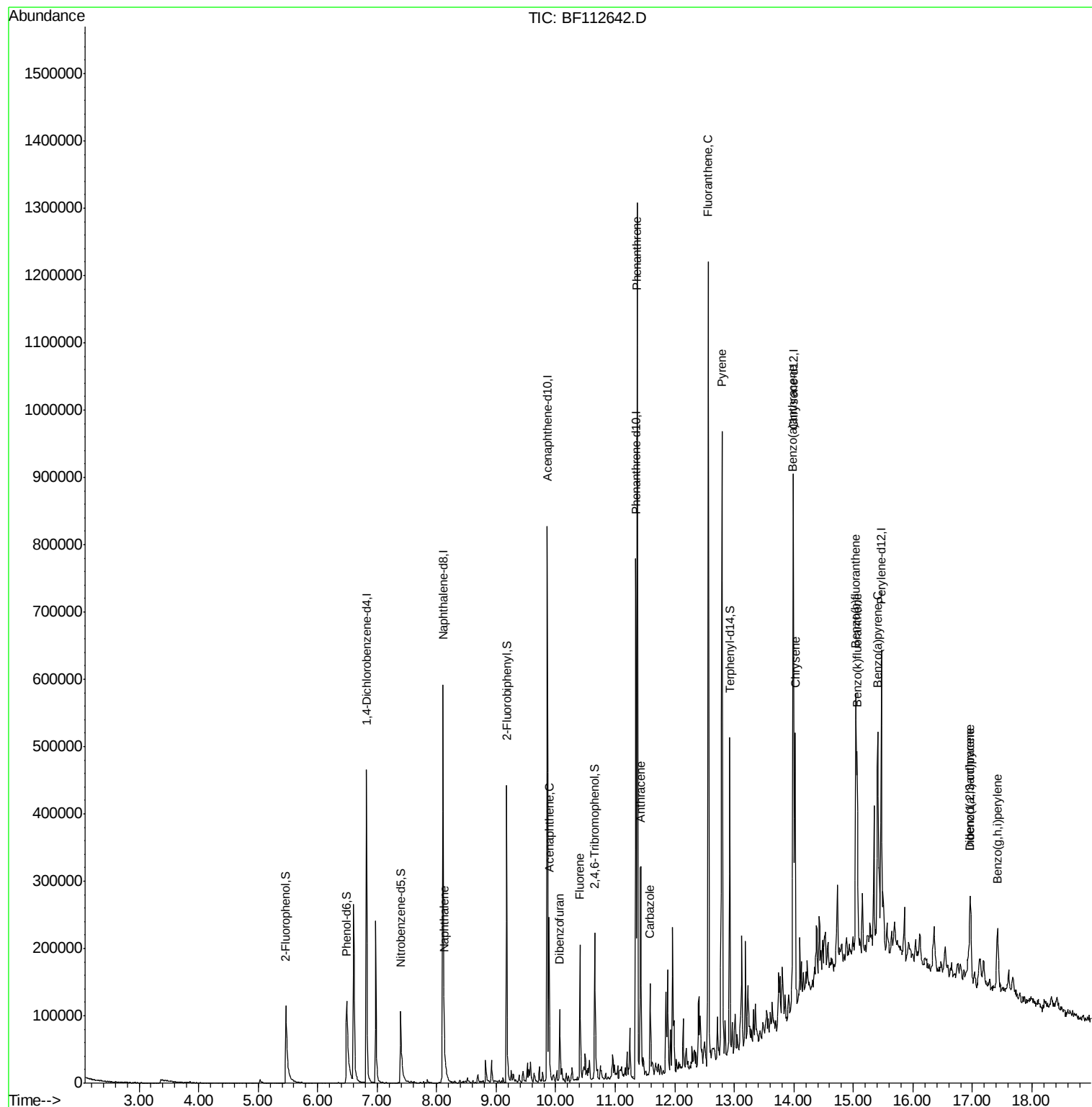
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022019\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
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#1

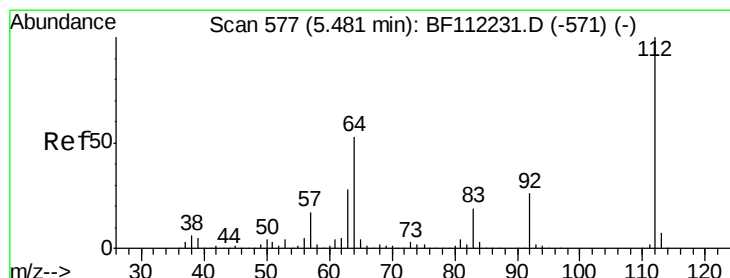
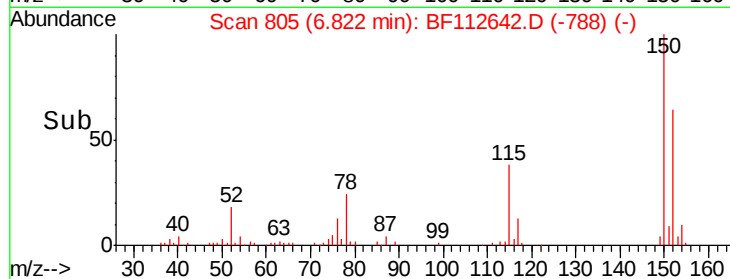
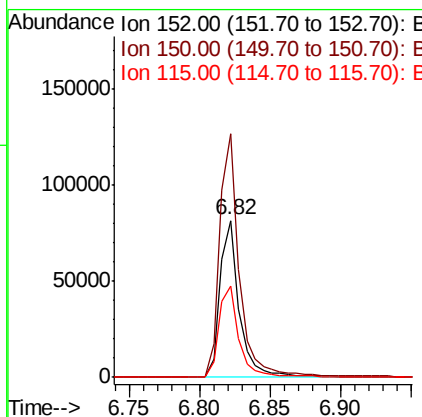
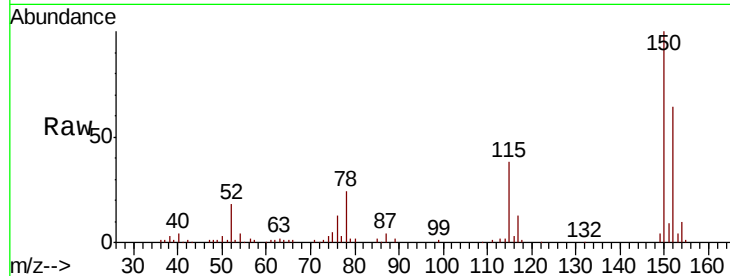
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF112642.D
Acq: 20 Feb 2019 15:22

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	127.4	191.0
115	58.5	45.5	68.3

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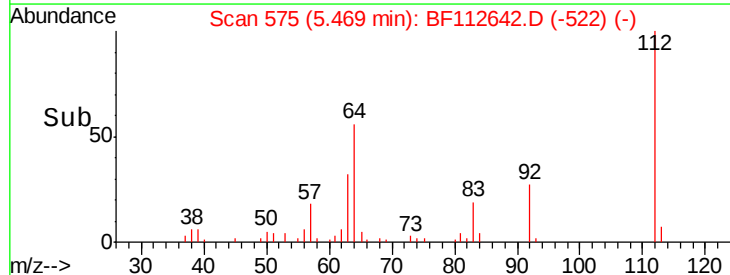
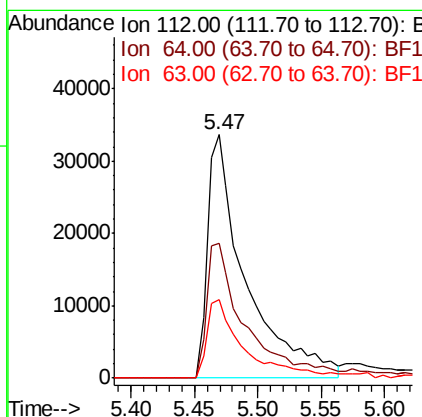
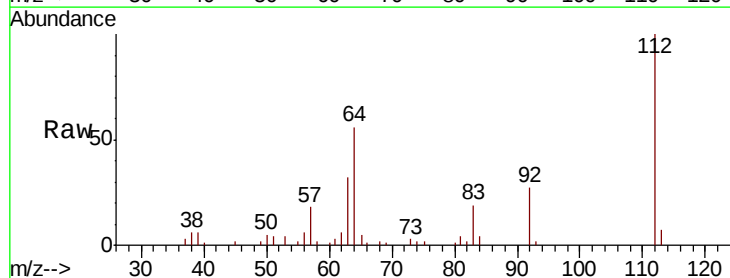
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#5

2-Fluorophenol
Concen: 19.065 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF112642.D
Acq: 20 Feb 2019 15:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.6	45.7	68.5
63	32.2	23.6	35.4





#7

Phenol-d6

Concen: 20.477 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.01 min

Lab File: BF112642.D

Acq: 20 Feb 2019 15:22

Instrument :

BNA_F

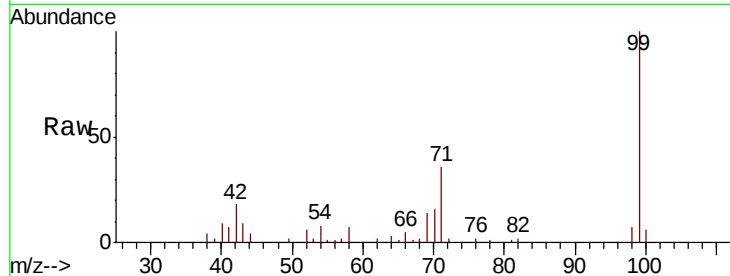
ClientSampleId :

OR-02-021919-A

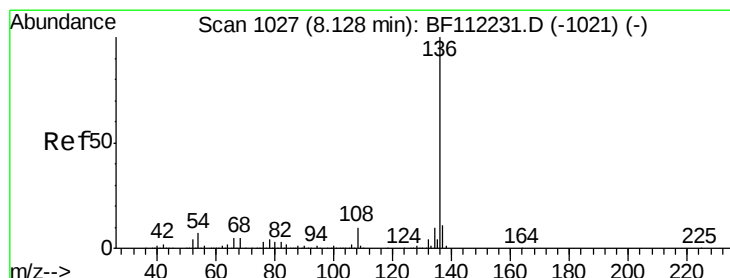
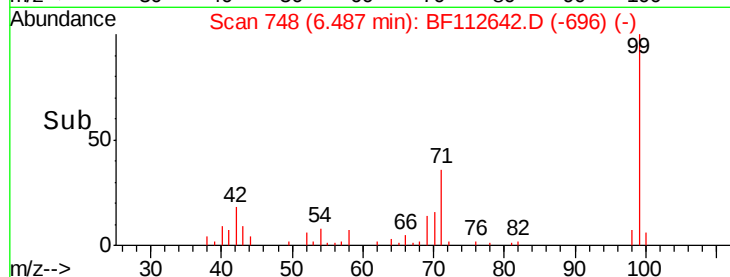
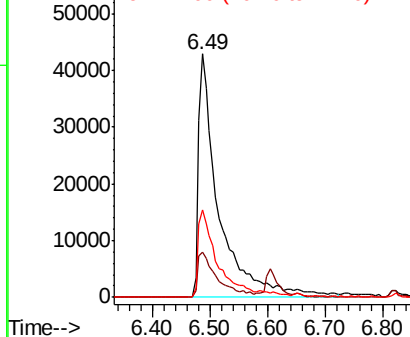
Tot Ion:	99	Resp:	105821
Ion Ratio	Lower	Upper	
99	100		
42	18.5	15.1	22.7
71	36.1	26.9	40.3

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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: 8.10 min Scan# 1023

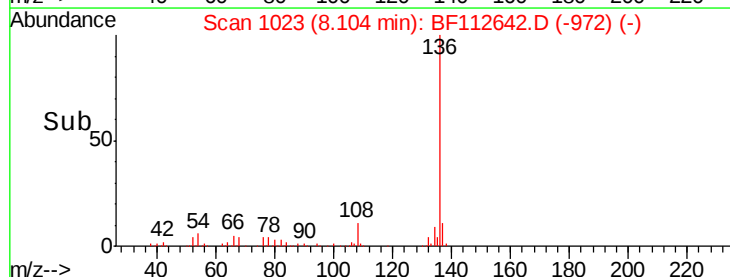
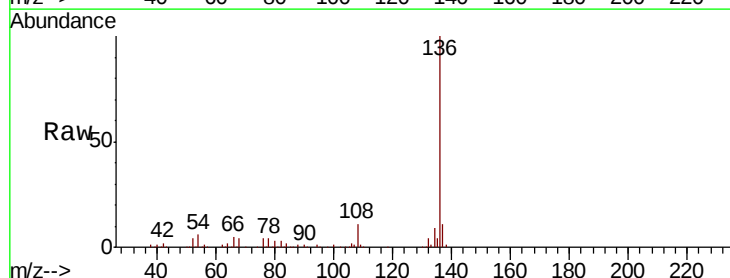
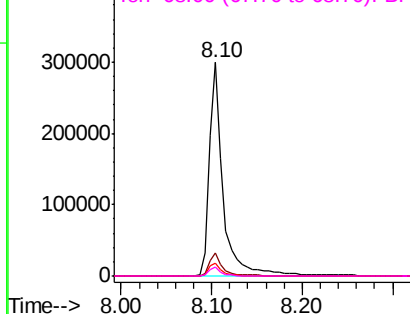
Delta R.T. 0.00 min

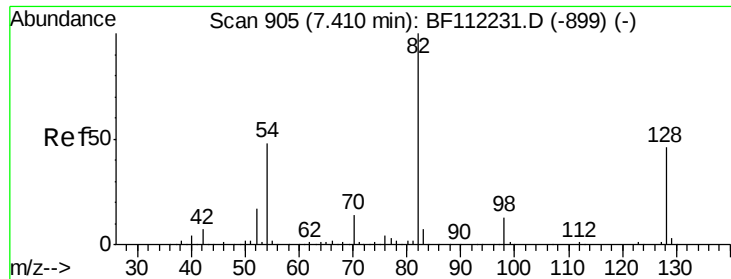
Lab File: BF112642.D

Acq: 20 Feb 2019 15:22

Tgt Ion:	136	Resp:	322325
Ion Ratio	Lower	Upper	
136	100		
137	10.7	9.1	13.7
54	5.9	5.9	8.9
68	4.1	5.1	7.7#

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





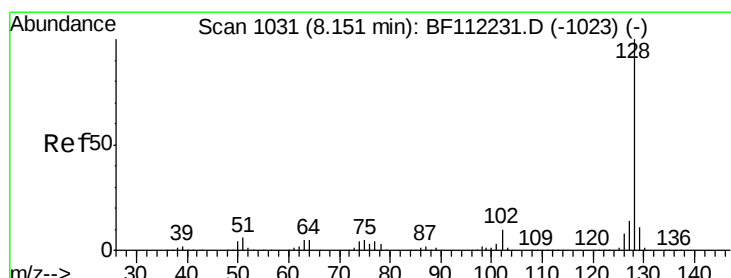
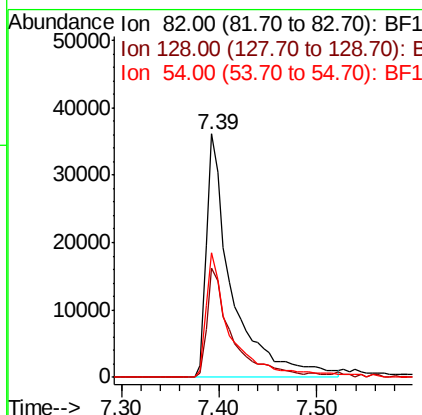
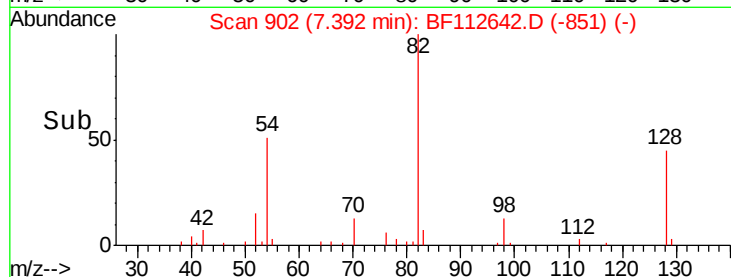
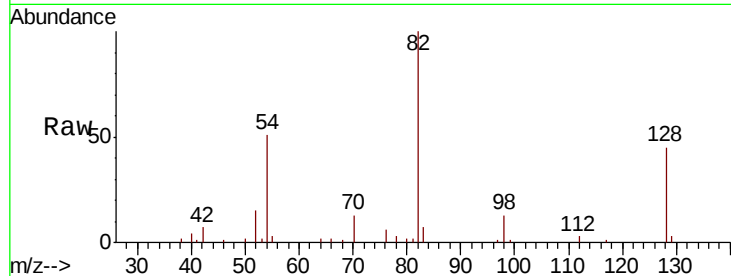
#23
 Nitrobenzene-d5
 Concen: 11.734 ng
 RT: 7.39 min Scan# 902
 Delta R.T. 0.00 min
 Lab File: BF112642.D
 Acq: 20 Feb 2019 15:22

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.0	37.8	56.8
54	51.4	39.7	59.5

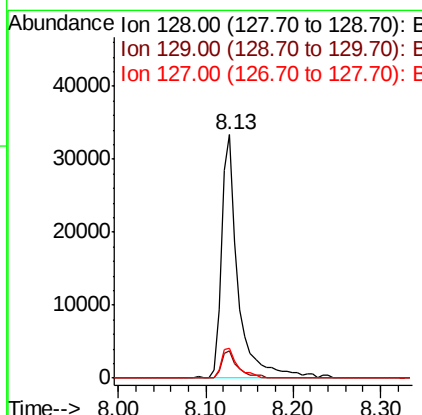
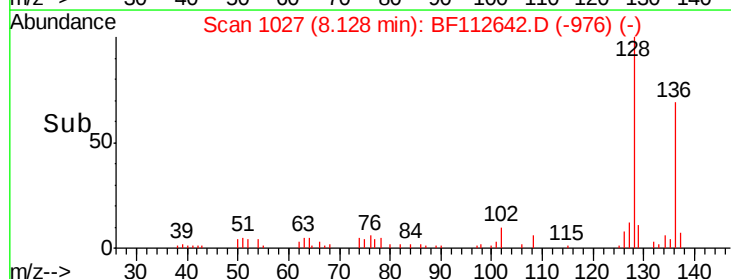
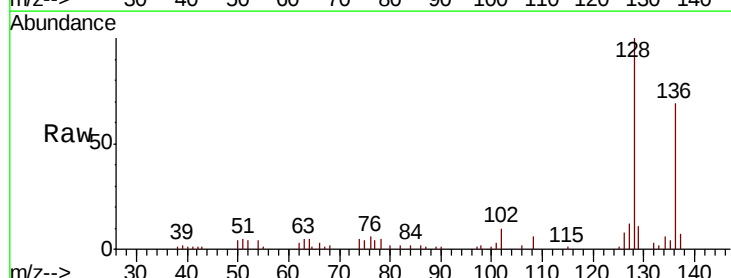
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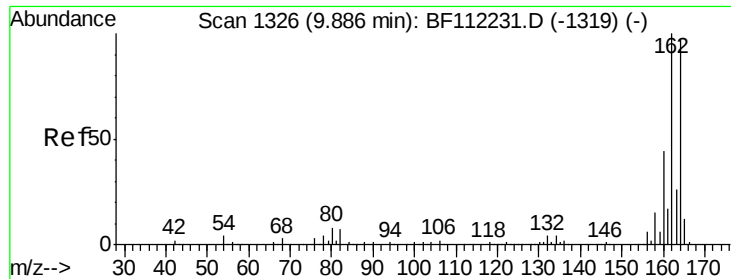
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#31
 Naphthalene
 Concen: 2.904 ng
 RT: 8.13 min Scan# 1027
 Delta R.T. 0.00 min
 Lab File: BF112642.D
 Acq: 20 Feb 2019 15:22

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.6	14.4
127	12.4	11.1	16.7





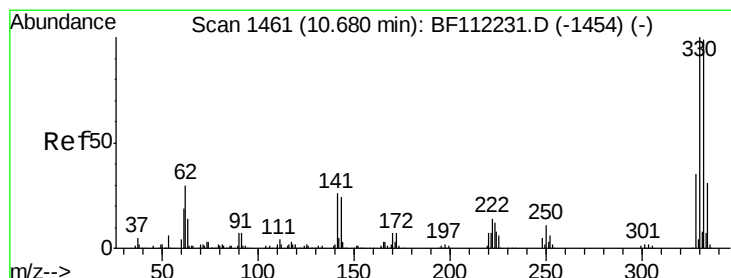
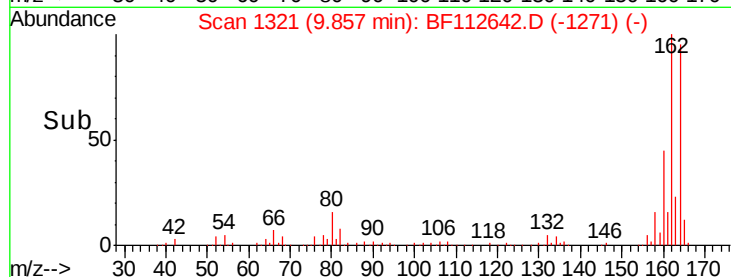
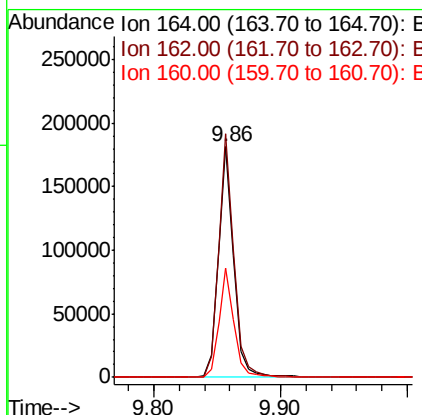
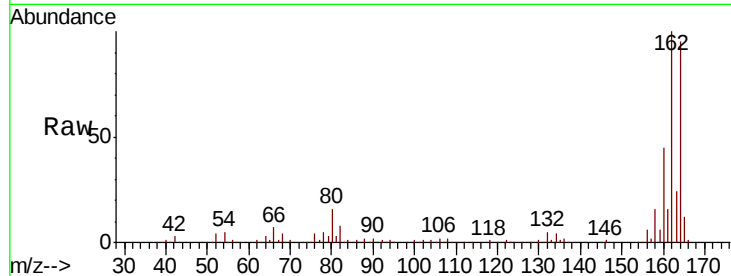
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BF112642.D
Acq: 20 Feb 2019 15:22

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

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.6	82.2	123.4
160	47.3	36.2	54.4

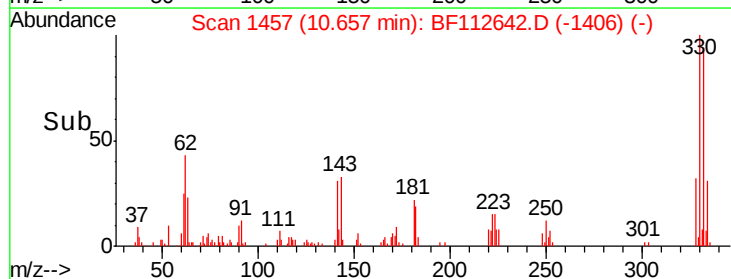
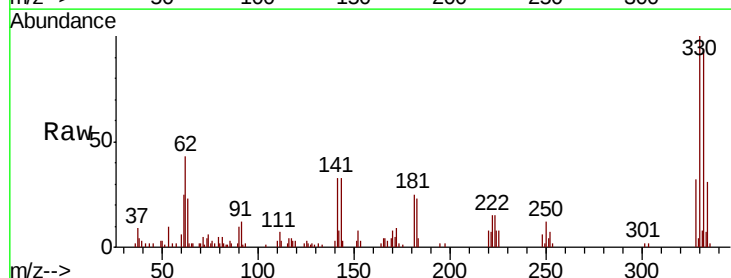
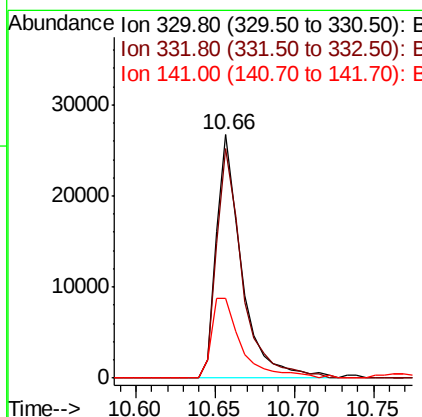
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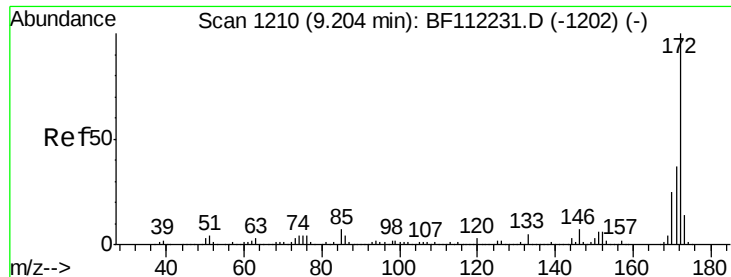
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#42
2,4,6-Tribromophenol
Concen: 16.439 ng
RT: 10.66 min Scan# 1457
Delta R.T. 0.00 min
Lab File: BF112642.D
Acq: 20 Feb 2019 15:22

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.6	114.8
141	38.8	24.3	36.5#





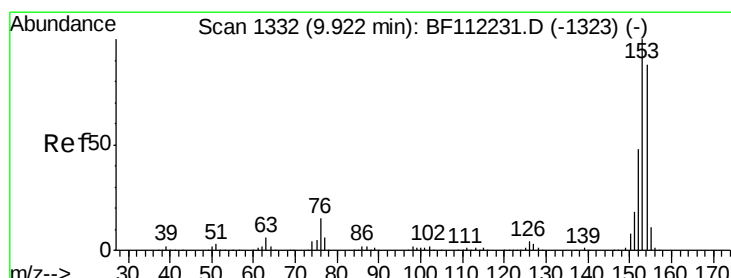
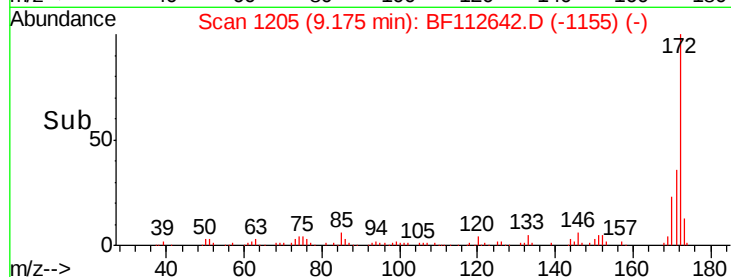
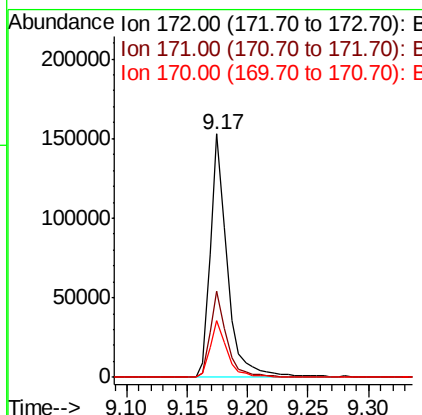
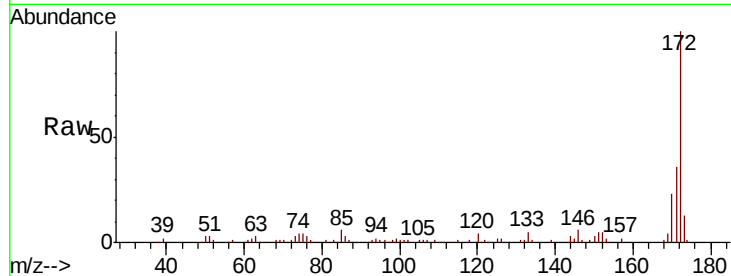
#45
2-Fluorobiphenyl
Concen: 13.434 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.01 min
Lab File: BF112642.D
Acq: 20 Feb 2019 15:22

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

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	30.5	45.7
170	23.2	20.2	30.4

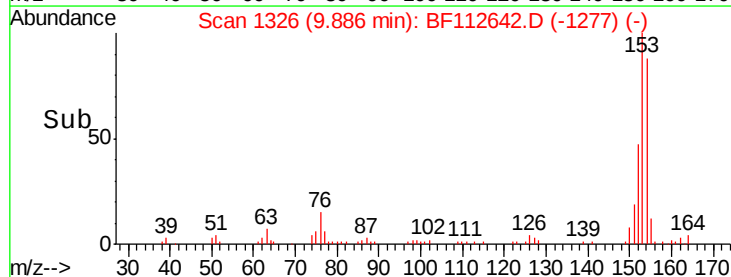
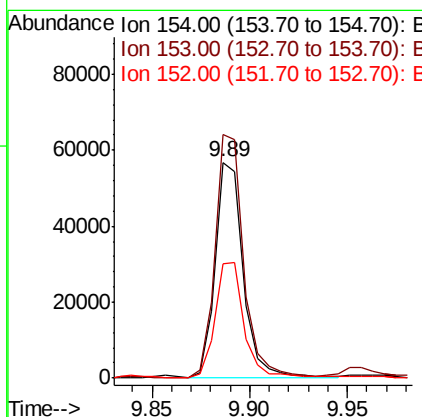
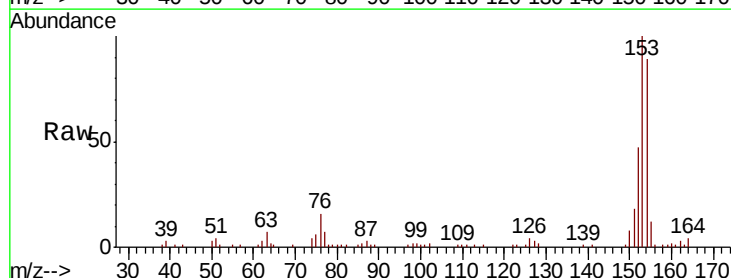
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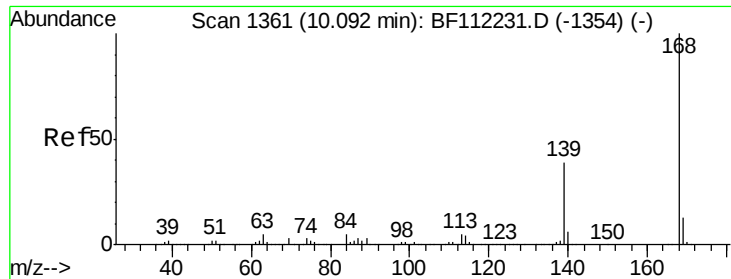
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#52
Acenaphthene
Concen: 6.146 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF112642.D
Acq: 20 Feb 2019 15:22

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.8	89.8	134.6
152	52.8	43.5	65.3





#55

Dibenzenofuran

Concen: 3.271 ng

RT: 10.07 min Scan# 1357

Delta R.T. 0.00 min

Lab File: BF112642.D

Acq: 20 Feb 2019 15:22

Instrument :

BNA_F

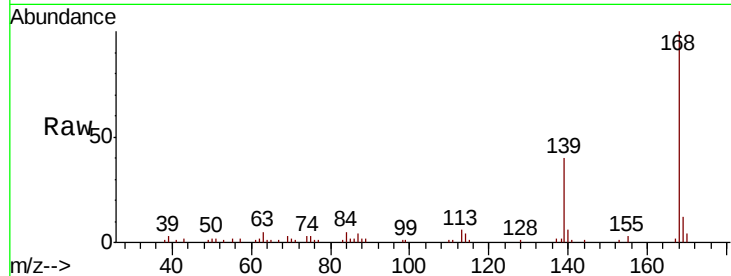
ClientSampleId :

OR-02-021919-A

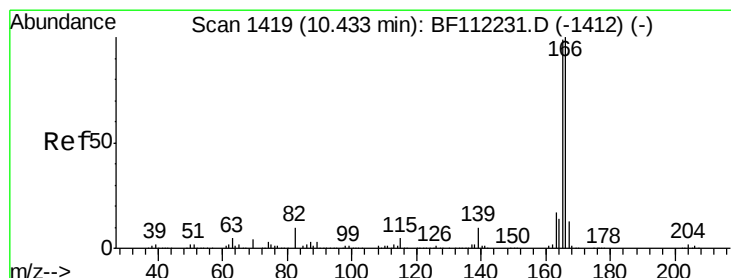
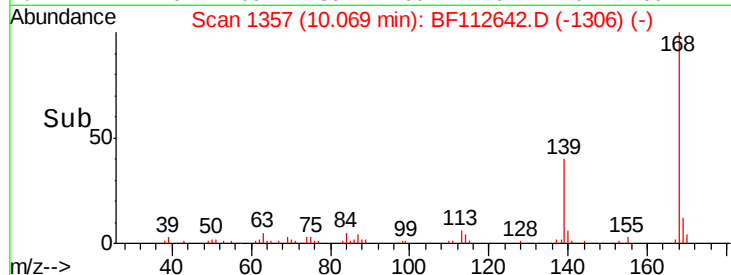
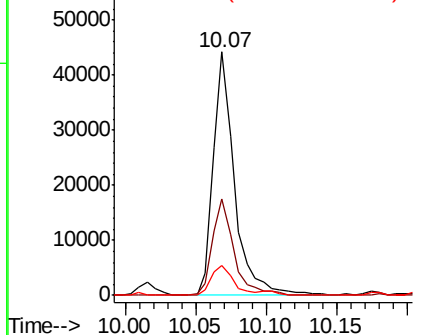
Tot Ion:	168	Resp:	46263
Ion Ratio	Lower	Upper	
168	100		
139	39.8	29.2	43.8
169	12.2	11.4	17.0

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Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E



#58

Fluorene

Concen: 5.939 ng

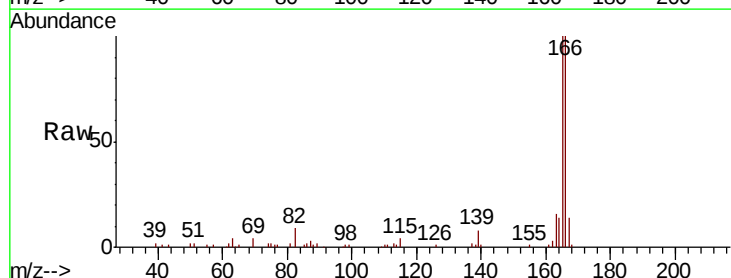
RT: 10.41 min Scan# 1415

Delta R.T. 0.00 min

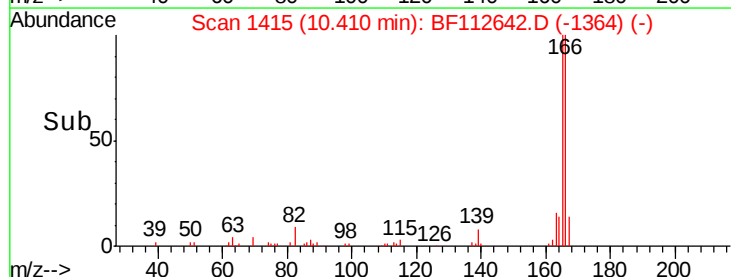
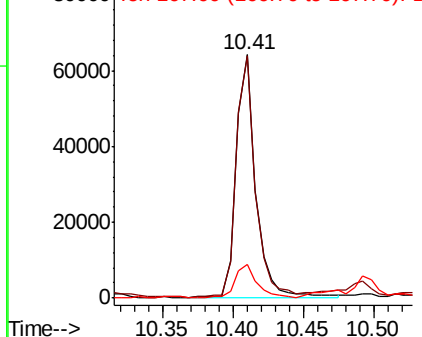
Lab File: BF112642.D

Acq: 20 Feb 2019 15:22

Tgt Ion:	166	Resp:	62872
Ion Ratio	Lower	Upper	
166	100		
165	99.7	77.1	115.7
167	14.0	11.3	16.9



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





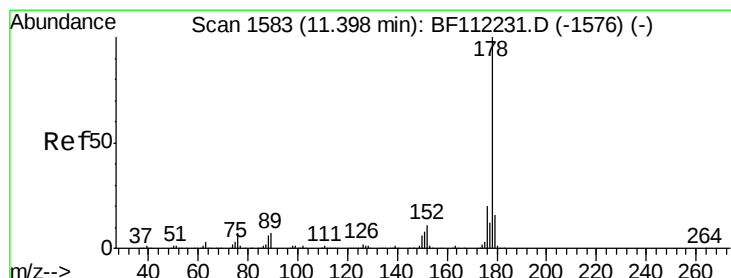
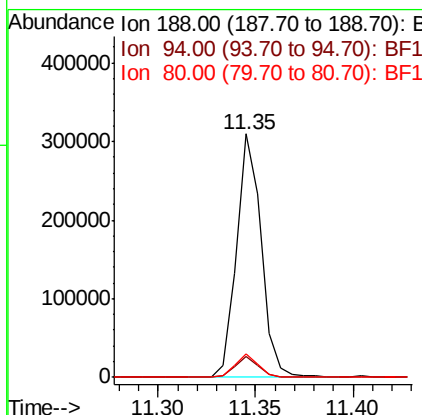
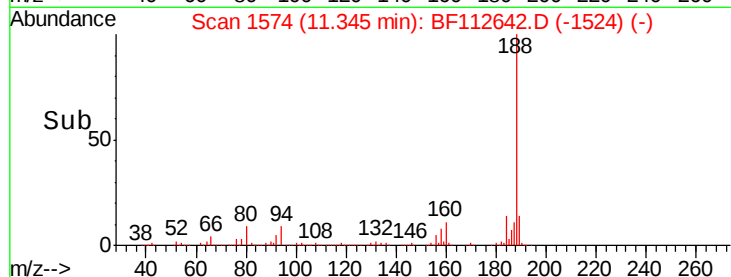
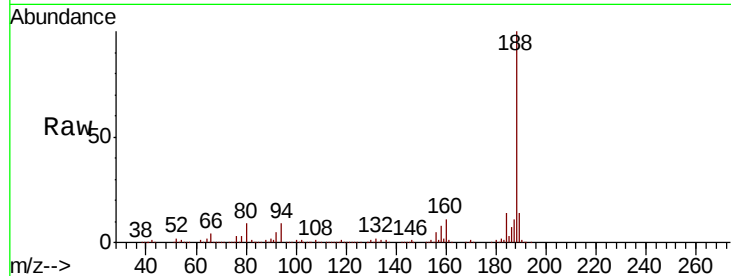
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF112642.D
Acq: 20 Feb 2019 15:22

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

Tot Ion	Ratio	Resp	Lower	Upper
188	100	271809		
94	8.5		8.2	12.2
80	9.5		8.9	13.3

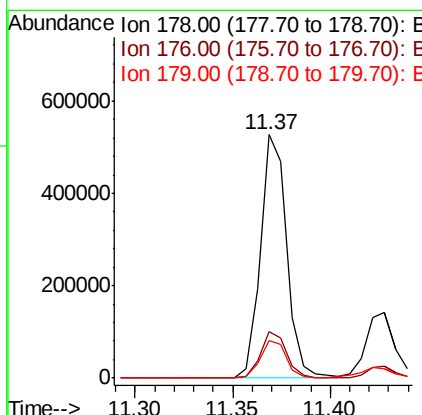
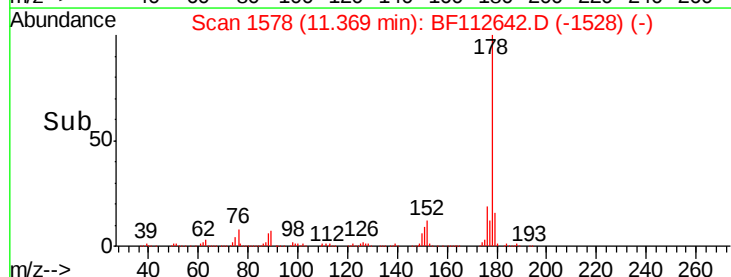
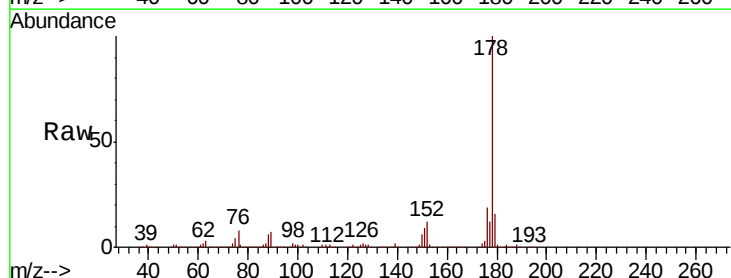
Manual Integrations
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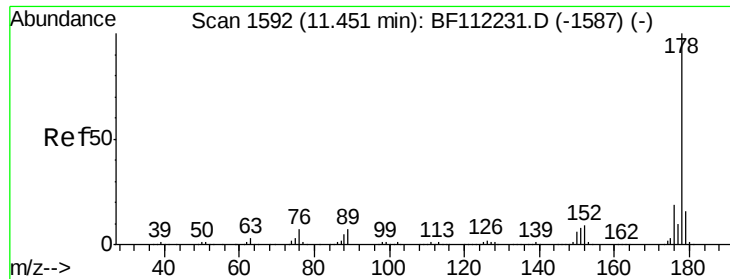
Sohil
2/21/2019 10:03:41 AM



#71
Phenanthrene
Concen: 34.706 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF112642.D
Acq: 20 Feb 2019 15:22

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	490430		
176	19.2		16.3	24.5
179	15.6		13.0	19.4





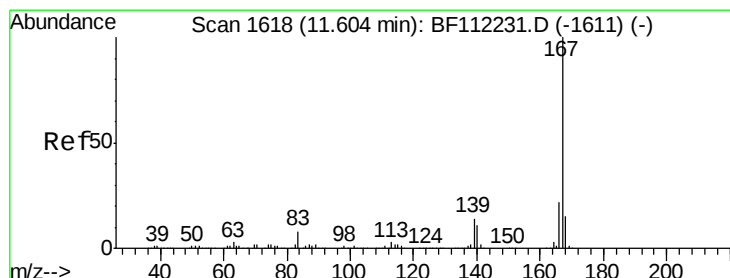
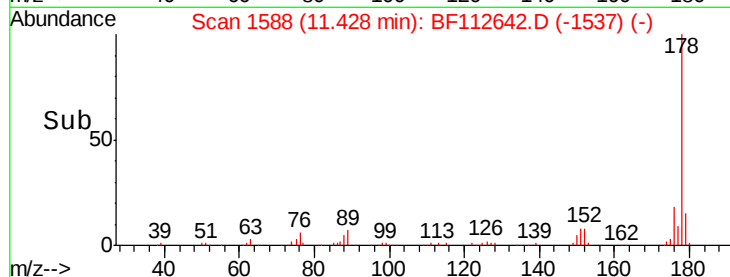
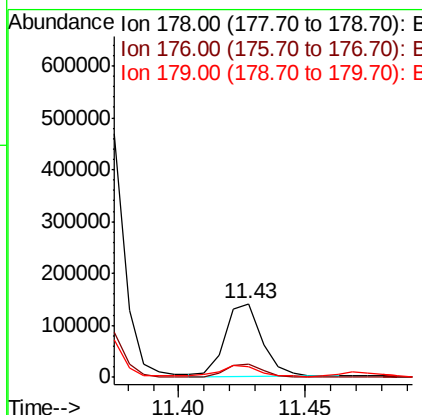
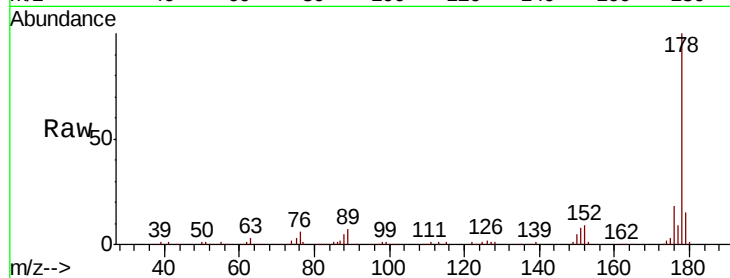
#72
 Anthracene
 Concen: 10.052 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: BF112642.D
 Acq: 20 Feb 2019 15:22

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.5	23.3
179	14.8	12.8	19.2

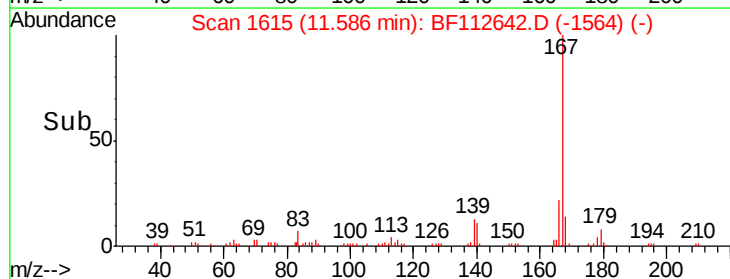
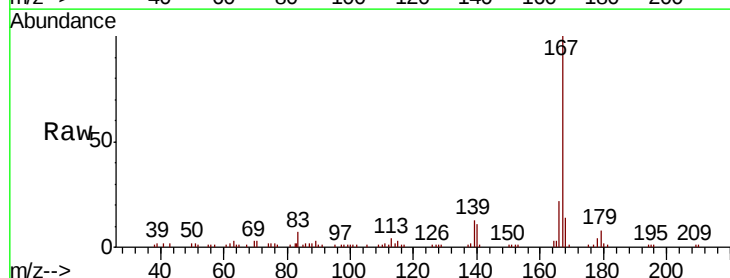
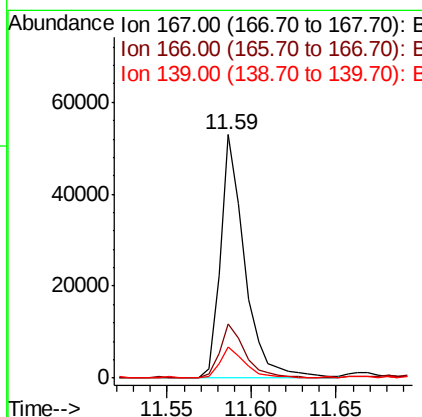
Manual Integrations
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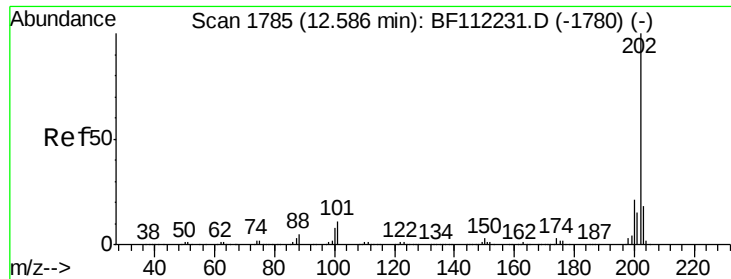
Sohil
 2/21/2019 10:03:41 AM



#73
 Carbazole
 Concen: 3.833 ng
 RT: 11.59 min Scan# 1615
 Delta R.T. 0.00 min
 Lab File: BF112642.D
 Acq: 20 Feb 2019 15:22

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.9	26.9
139	12.9	10.2	15.2





#75

Fluoranthene

Concen: 31.579 ng

RT: 12.56 min Scan# 1781

Delta R.T. -0.01 min

Lab File: BF112642.D

Acq: 20 Feb 2019 15:22

Instrument :

BNA_F

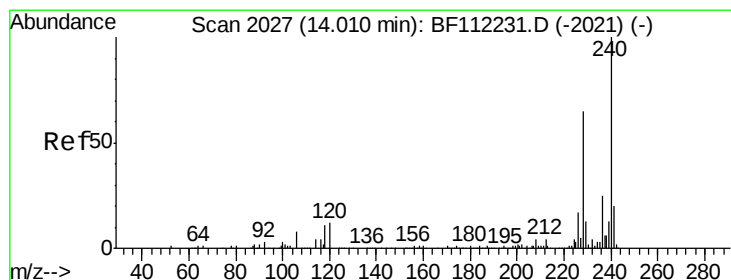
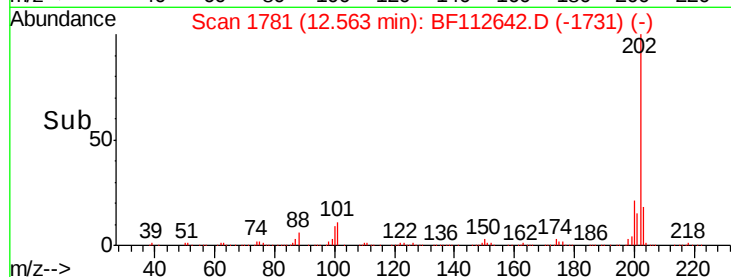
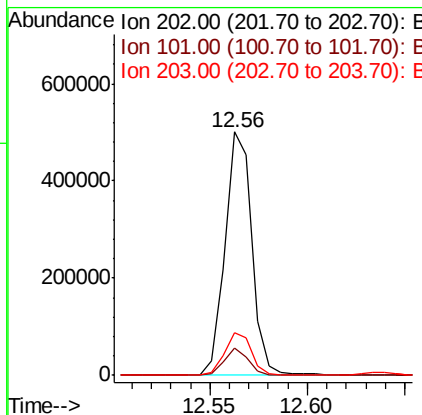
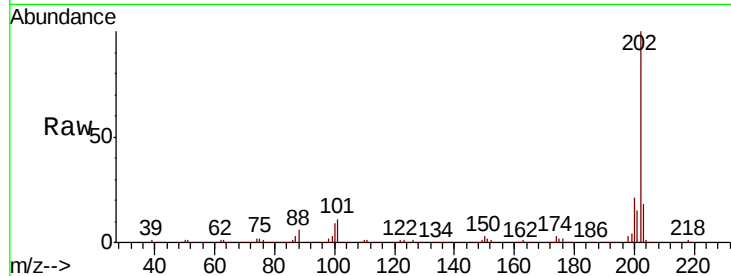
ClientSampleId :

OR-02-021919-A

Tot Ion:	202	Resp:	478618
Ion Ratio	Lower	Upper	
202	100		
101	11.2	0.0	31.8
203	17.7	0.0	38.4

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#76

Chrysene-d12

Concen: 20.000 ng

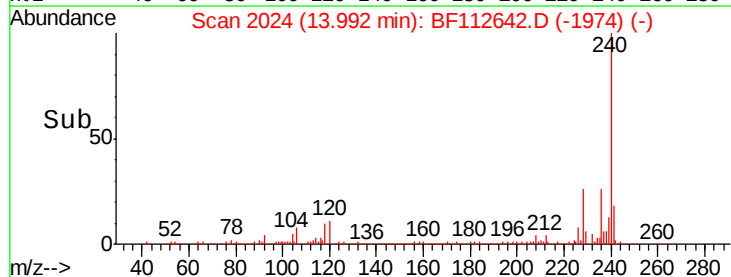
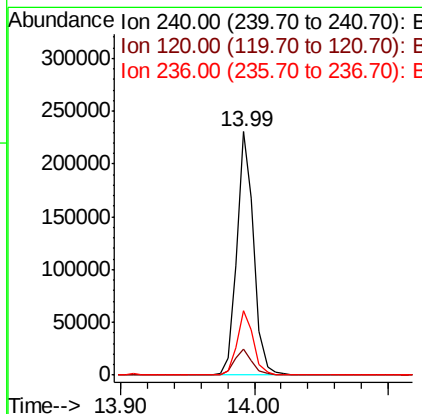
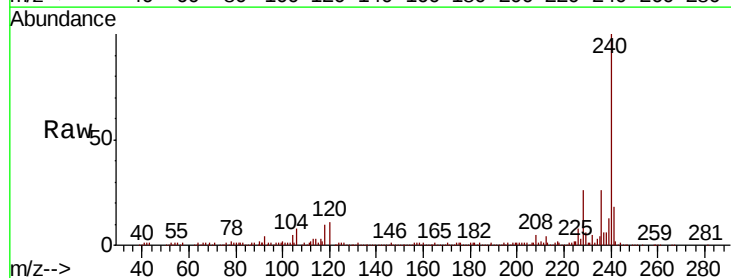
RT: 13.99 min Scan# 2024

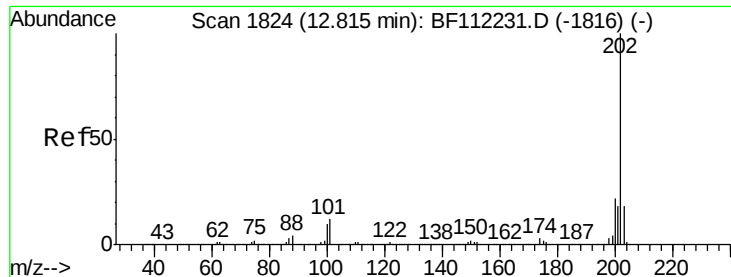
Delta R.T. -0.01 min

Lab File: BF112642.D

Acq: 20 Feb 2019 15:22

Tgt Ion:	240	Resp:	203899
Ion Ratio	Lower	Upper	
240	100		
120	10.8	9.0	13.6
236	26.3	20.7	31.1





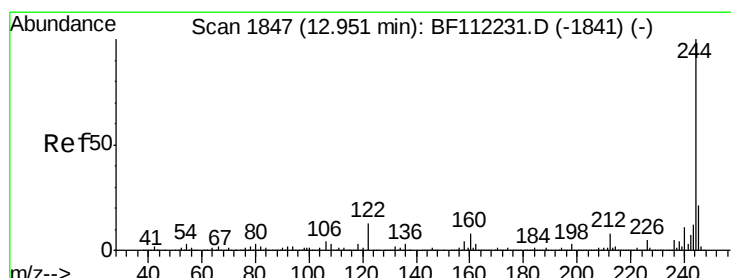
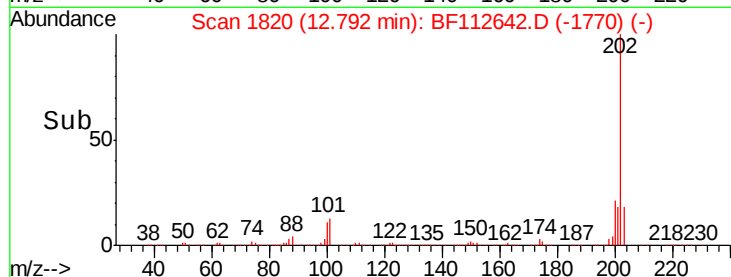
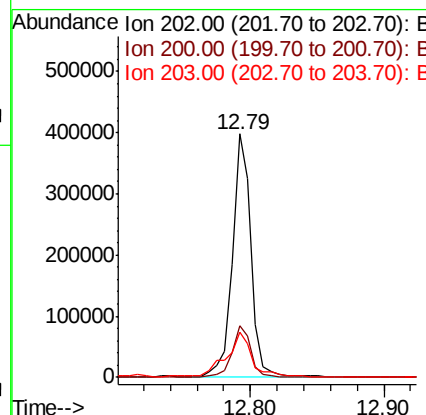
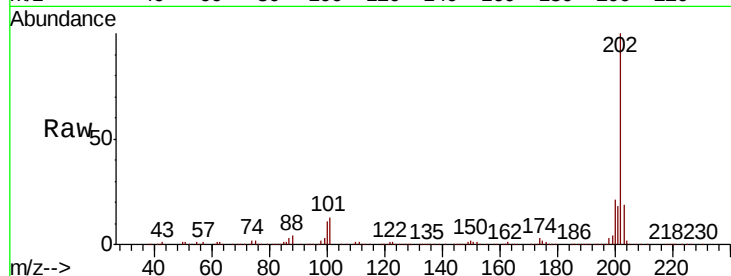
#78
Pvrene
Concen: 27.465 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF112642.D
Acq: 20 Feb 2019 15:22

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

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.7	26.5
203	18.7	14.6	22.0

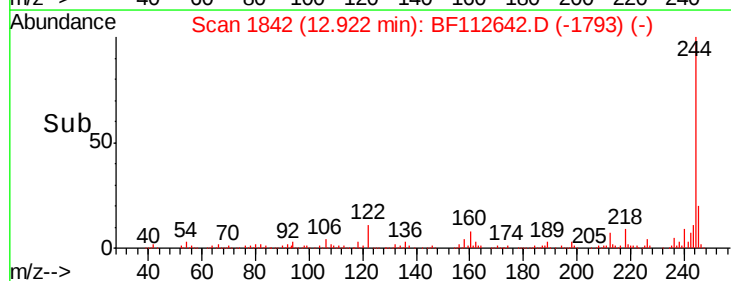
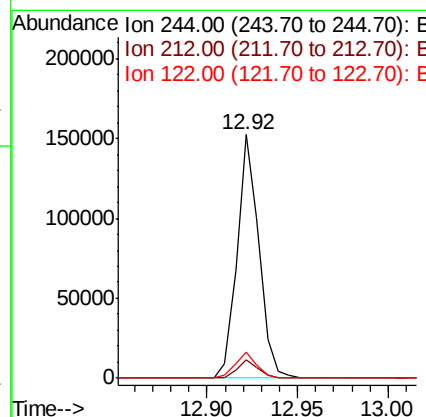
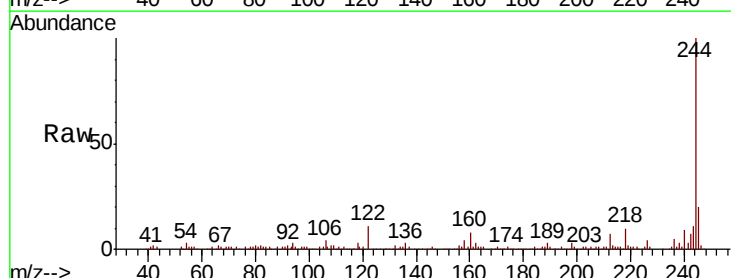
Manual Integrations
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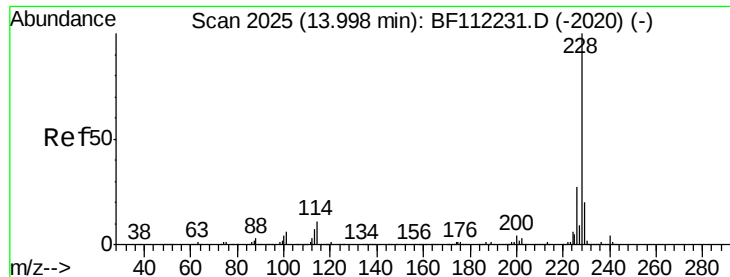
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#79
Terphenyl-d14
Concen: 11.828 ng
RT: 12.92 min Scan# 1842
Delta R.T. -0.01 min
Lab File: BF112642.D
Acq: 20 Feb 2019 15:22

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.9	8.9
122	10.8	9.8	14.6





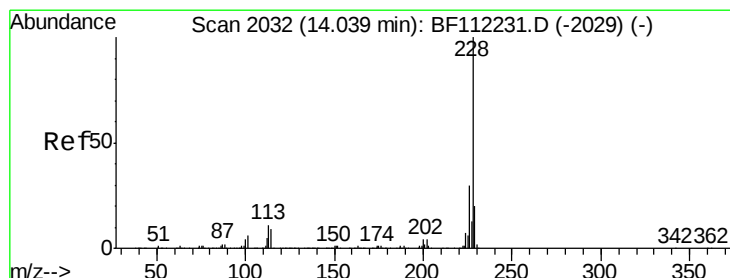
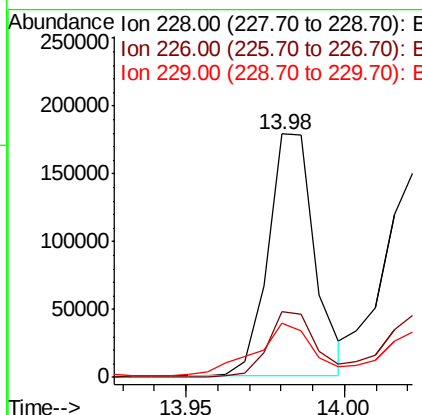
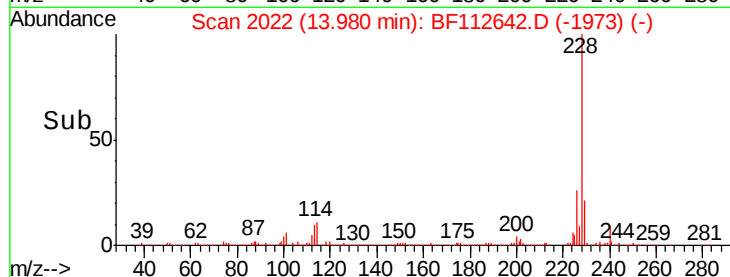
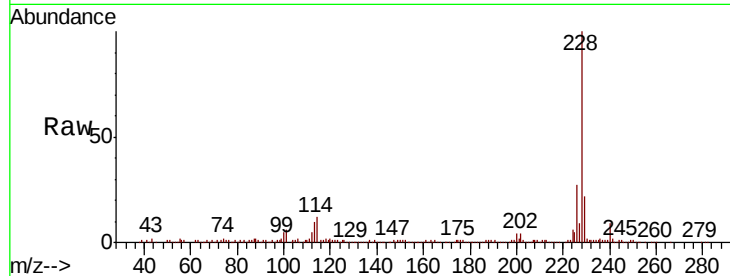
#81
Benzo(a)anthracene
Concen: 15.346 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF112642.D
Acq: 20 Feb 2019 15:22

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.7	22.6	34.0
229	22.2	16.5	24.7

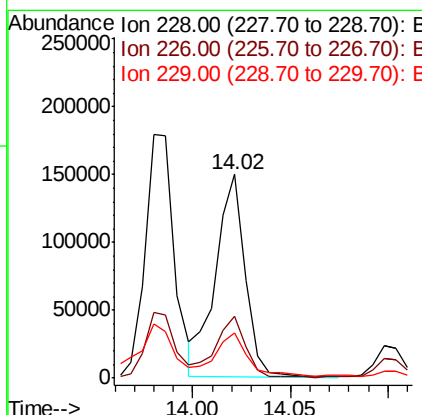
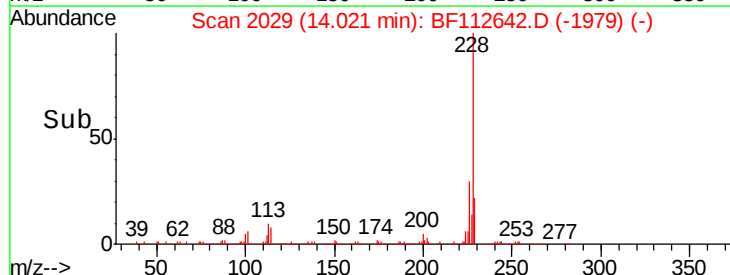
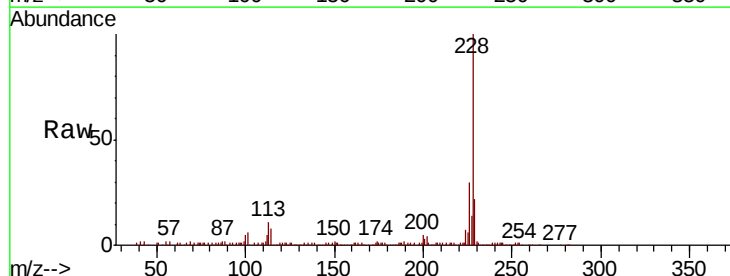
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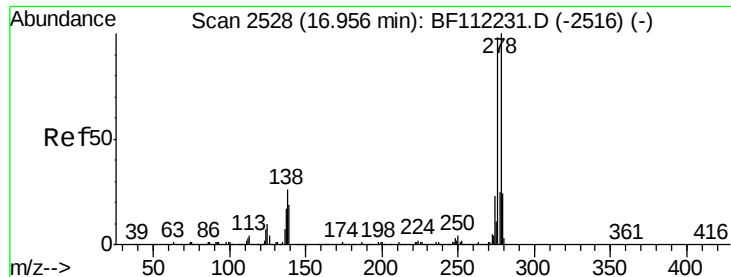
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#83
Chrysene
Concen: 13.837 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF112642.D
Acq: 20 Feb 2019 15:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	22.3	16.6	24.8





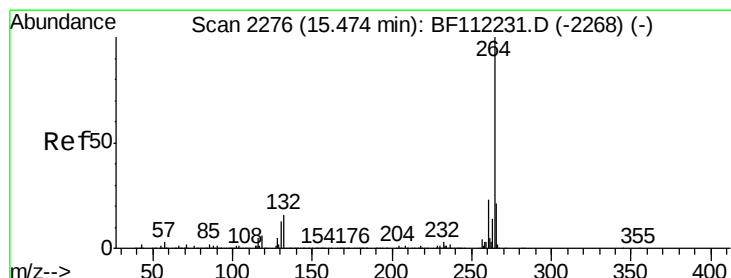
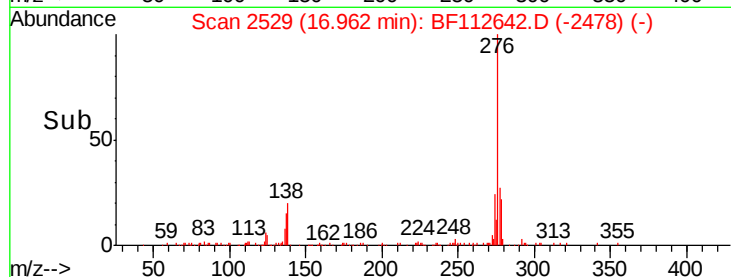
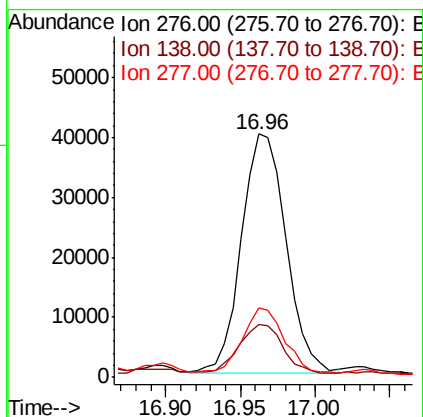
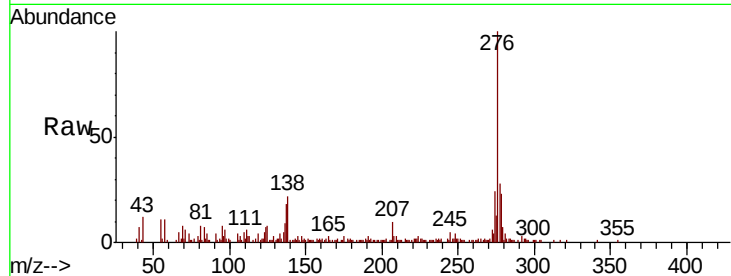
#86
Indeno(1,2,3-cd)pyrene
Concen: 9.126 ng
RT: 16.96 min Scan# 2529
Delta R.T. 0.00 min
Lab File: BF112642.D
Acq: 20 Feb 2019 15:22

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.7	22.6	34.0#
277	25.5	20.3	30.5

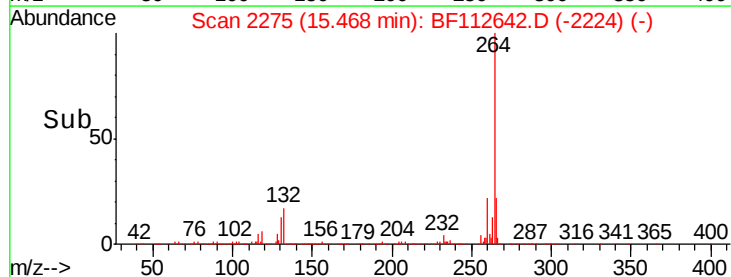
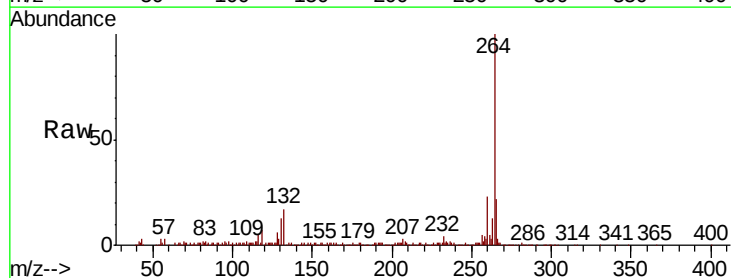
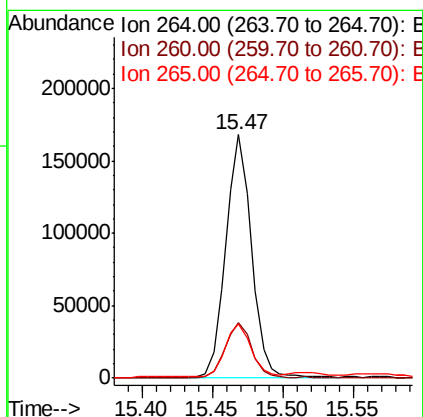
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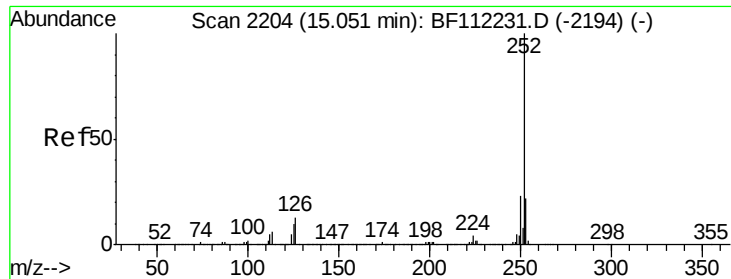
Sohil
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.00 min
Lab File: BF112642.D
Acq: 20 Feb 2019 15:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.2	27.2
265	22.3	17.0	25.4





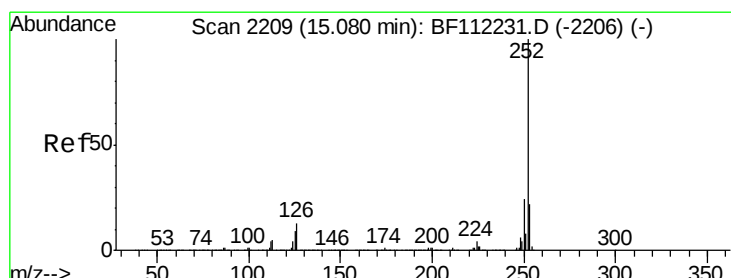
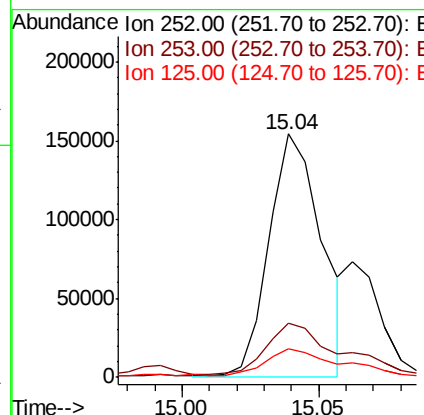
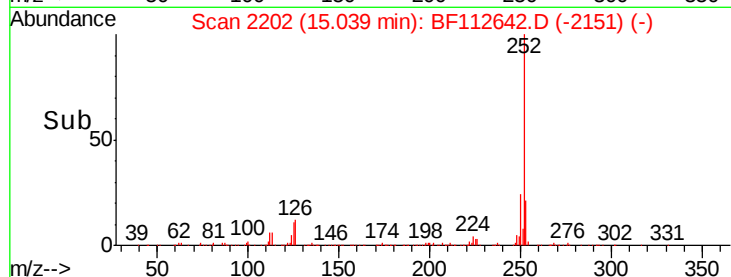
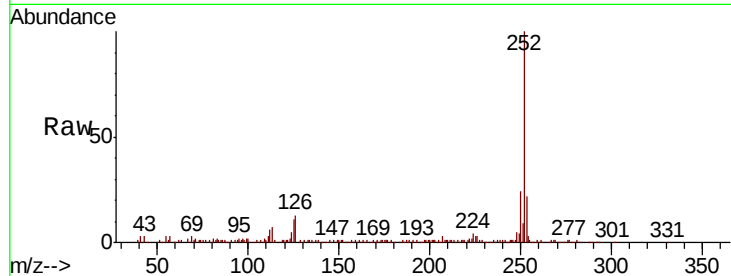
#88
Benzo(b)fluoranthene
Concen: 16.491 ng m
RT: 15.04 min Scan# 2202
Delta R.T. 0.00 min
Lab File: BF112642.D
Acq: 20 Feb 2019 15:22

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.0	27.0
125	11.5	8.7	13.1

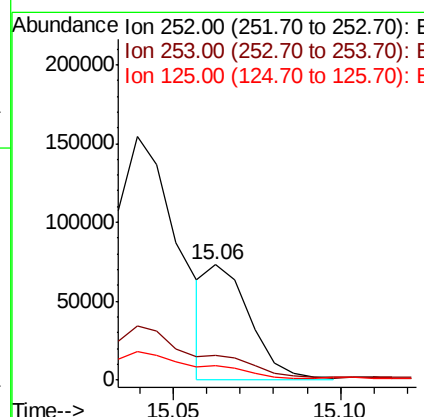
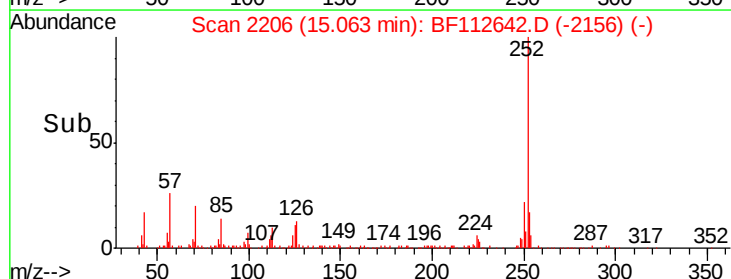
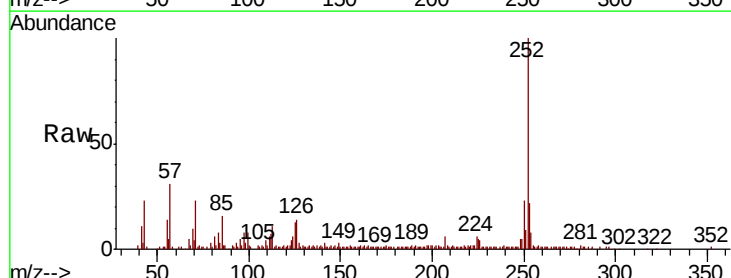
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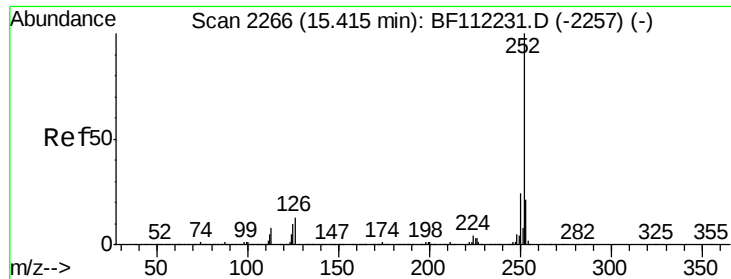
Sohil
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#89
Benzo(k)fluoranthene
Concen: 5.461 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF112642.D
Acq: 20 Feb 2019 15:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.0	27.0
125	12.5	9.1	13.7





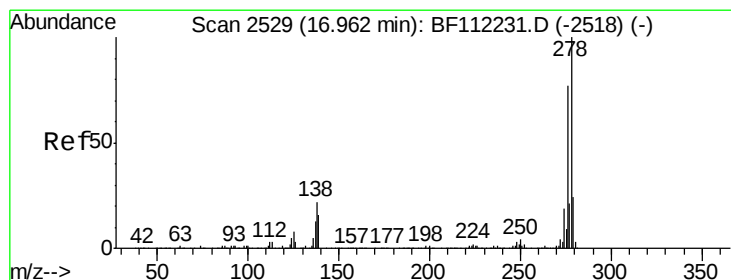
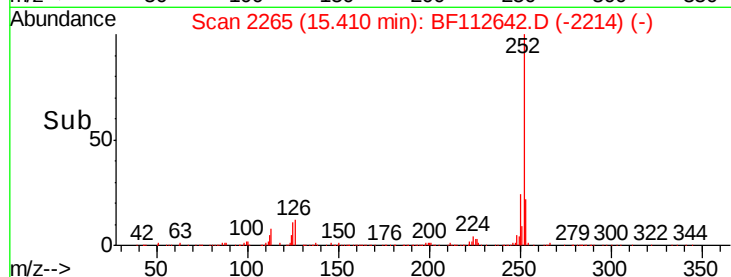
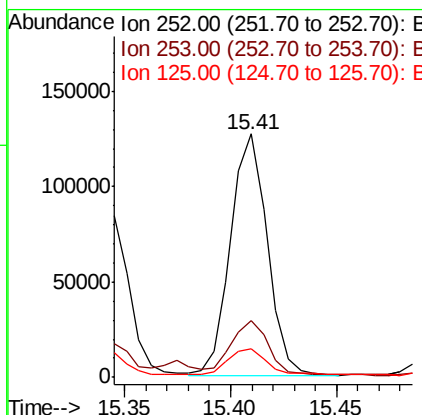
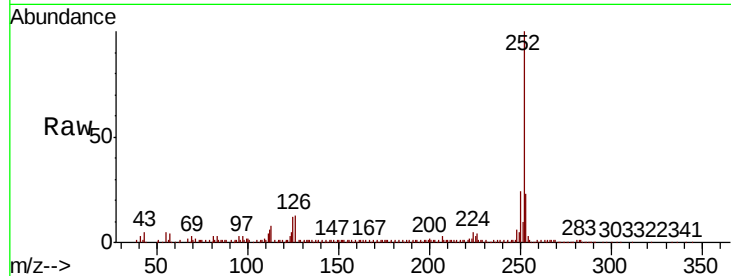
#90
Benzo(a)pyrene
Concen: 13.427 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.00 min
Lab File: BF112642.D
Acq: 20 Feb 2019 15:22

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.5	26.3
125	11.8	9.0	13.4

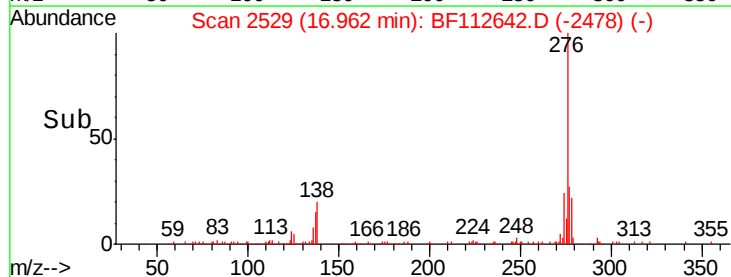
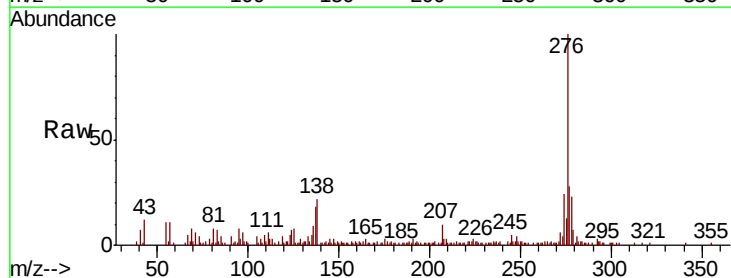
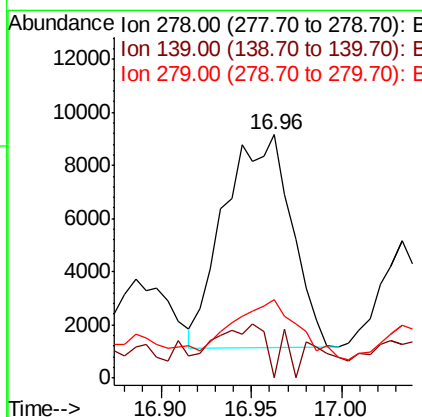
Manual Integrations
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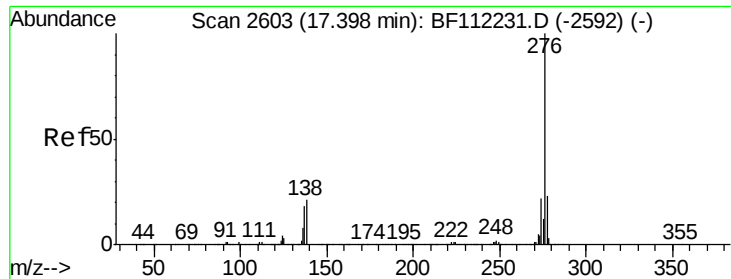
Sohil
2/21/2019 10:03:41 AM



#91
Dibenzo(a,h)anthracene
Concen: 2.232 ng
RT: 16.96 min Scan# 2529
Delta R.T. 0.00 min
Lab File: BF112642.D
Acq: 20 Feb 2019 15:22

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.7	20.5#
279	32.3	19.0	28.6#





#92
 Benzo(a,h,i)perylene
 Concen: 8.810 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. 0.01 min
 Lab File: BF112642.D
 Acq: 20 Feb 2019 15:22

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

Tot Ion:	276	Resp:	76499
Ion Ratio	Lower	Upper	
276	100		
277	24.3	19.4	29.0
138	20.0	19.1	28.7

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