

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030119\
 Data File : BF112811.D
 Acq On : 1 Mar 2019 20:26
 Operator : JU/SJ
 Sample : K1675-15
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Z-3-2-B

Manual Integrations
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Quant Time: Mar 02 00:21:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	158993	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	564234	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	232099	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	438504	20.00	ng	0.00
76) Chrysene-d12	13.88	240	434175	20.00	ng	0.00
87) Perylene-d12	15.29	264	338592	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.36	112	944407	92.40	ng	0.01
7) Phenol-d6	6.37	99	1176735	91.65	ng	0.00
23) Nitrobenzene-d5	7.30	82	681887	72.32	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	285331	115.80	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1142916	80.44	ng	0.00
79) Terphenyl-d14	12.83	244	1198768	53.52	ng	0.00

Target Compounds

						Qvalue
50) Dimethylphthalate	9.49	163	83192	4.861	ng	98
71) Phenanthrene	11.27	178	625633	28.676	ng	99
72) Anthracene	11.32	178	117621	5.150	ng	97
73) Carbazole	11.47	167	70808	3.178	ng	99
75) Fluoranthene	12.46	202	981915	42.008	ng	98
78) Pyrene	12.69	202	868084	23.717	ng	99
81) Benzo(a)anthracene	13.87	228	461200	15.327	ng	99
83) Chrysene	13.90	228	462710	15.698	ng	98
86) Indeno(1,2,3-cd)pyrene	16.64	276	173555m	6.907	ng	
88) Benzo(b)fluoranthene	14.89	252	486862m	22.230	ng	
89) Benzo(k)fluoranthene	14.91	252	144867m	7.302	ng	
90) Benzo(a)pyrene	15.23	252	284878	14.706	ng	97
91) Dibenzo(a,h)anthracene	16.65	278	48700	2.946	ng	92
92) Benzo(a,h,i)perylene	17.05	276	157596	9.494	ng	96

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



#1

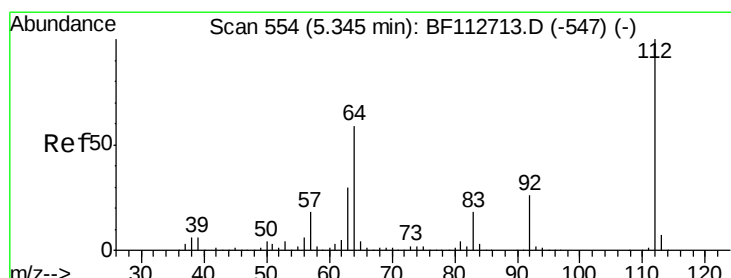
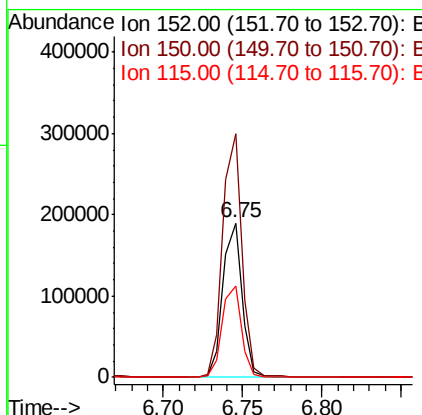
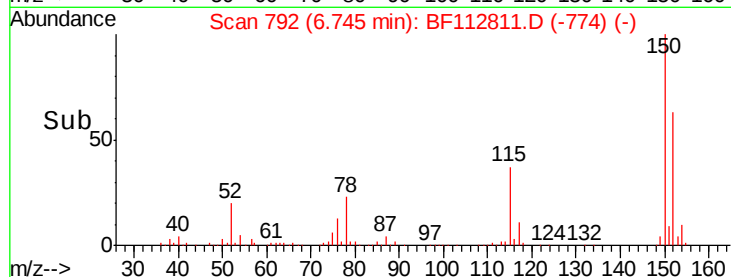
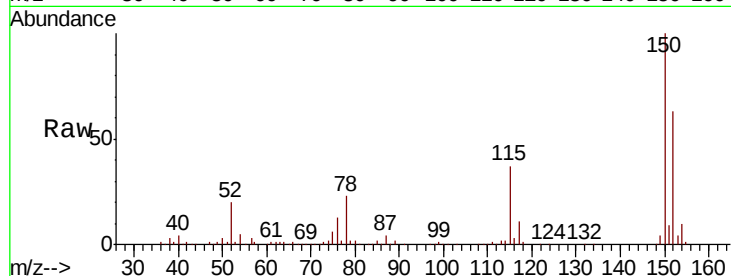
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF112811.D
Acq: 1 Mar 2019 20:26

Instrument :
BNA_F
ClientSampled :
Z-3-2-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.2	186.2
115	58.9	48.2	72.4

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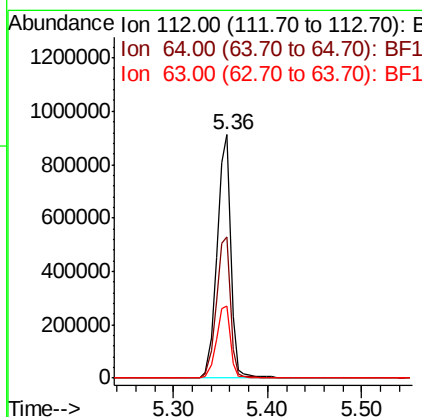
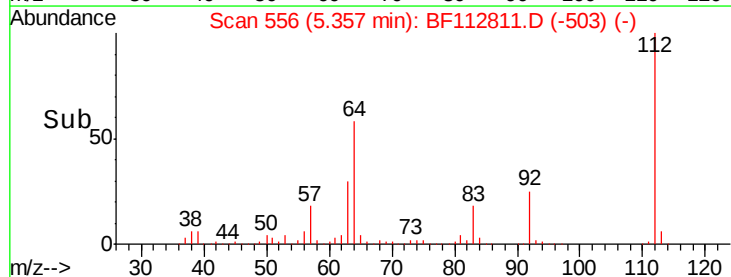
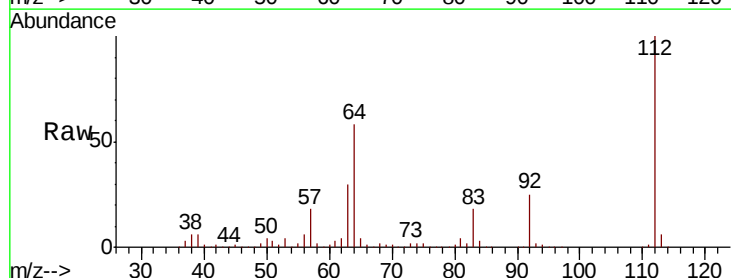
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#5

2-Fluorophenol
Concen: 92.398 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF112811.D
Acq: 1 Mar 2019 20:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	47.6	71.4
63	29.6	24.4	36.6





#7

Phenol-d6

Concen: 91.651 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF112811.D

Acq: 1 Mar 2019 20:26

Instrument :

BNA_F

ClientSampleId :

Z-3-2-B

Tot Ion: 99 Resp: 1176735

Ion Ratio Lower Upper

99 100

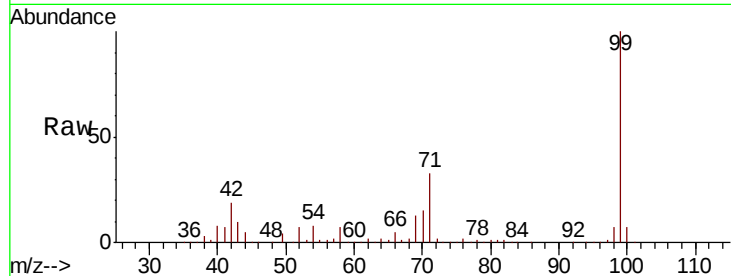
42 19.5 16.3 24.5

71 33.5 26.2 39.4

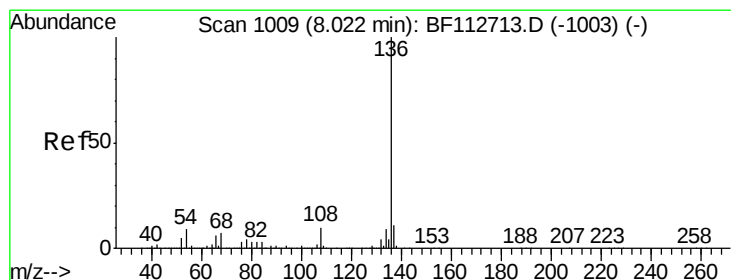
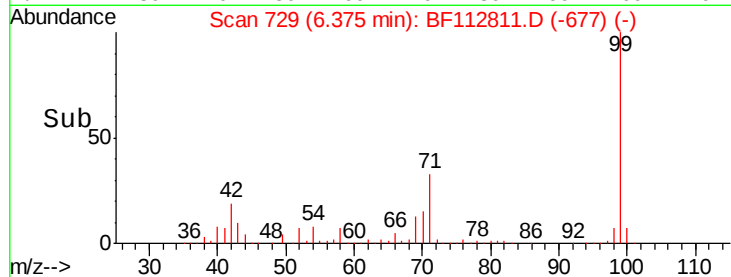
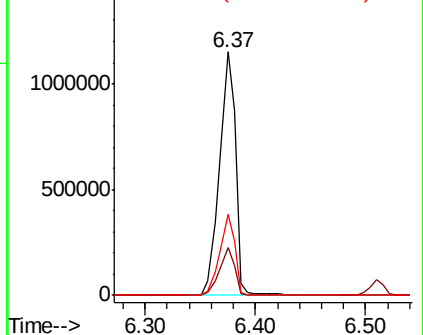
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BF112811.D

Acq: 1 Mar 2019 20:26

Tgt Ion: 136 Resp: 564234

Ion Ratio Lower Upper

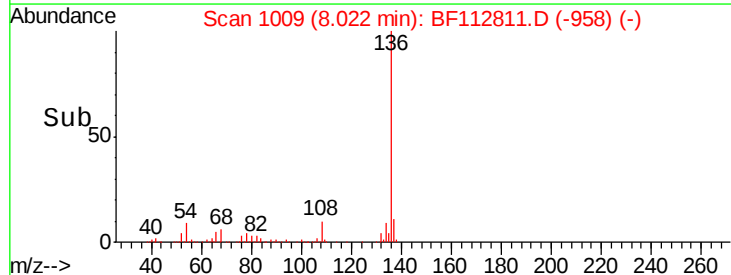
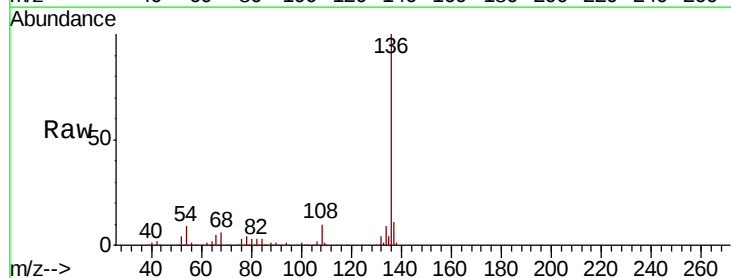
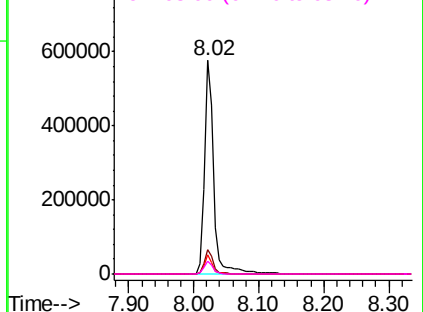
136 100

137 11.2 8.9 13.3

54 8.7 7.3 10.9

68 6.2 5.4 8.2

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





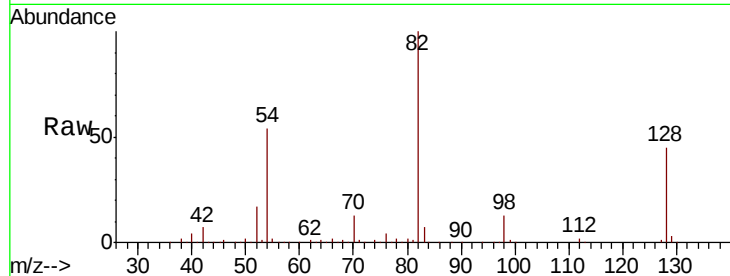
#23
Nitrobenzene-d5
Concen: 72.315 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112811.D
Acq: 1 Mar 2019 20:26

Instrument :
BNA_F
ClientSampled :
Z-3-2-B

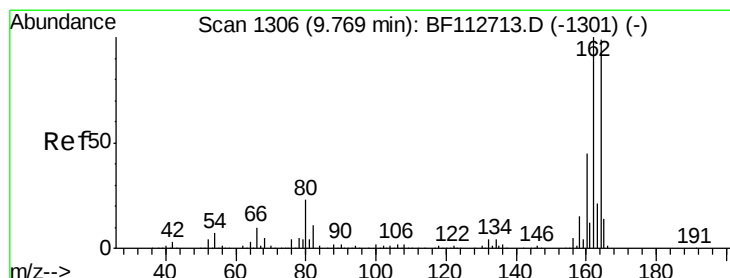
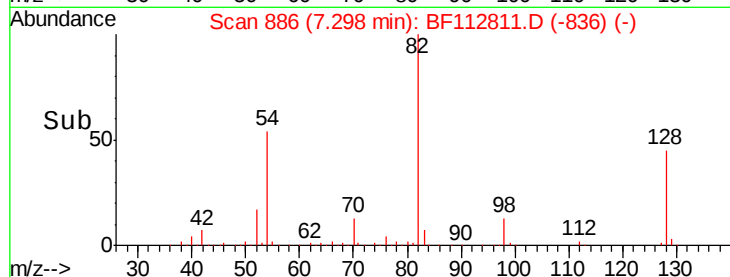
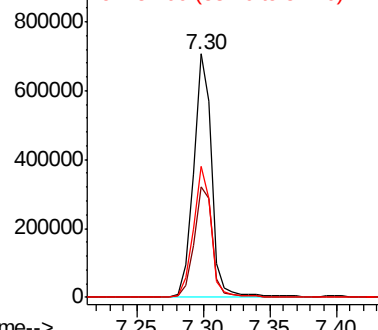
Tot Ion	Ratio	Lower	Upper
82	100		
128	45.3	36.3	54.5
54	54.0	43.7	65.5

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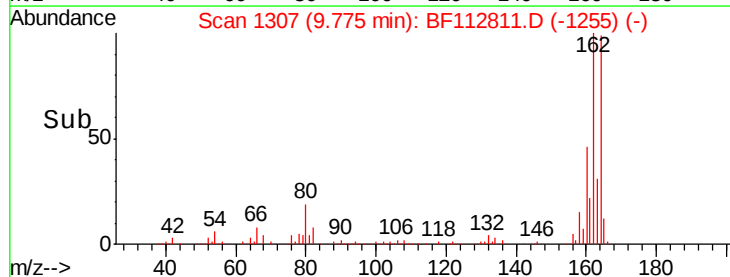
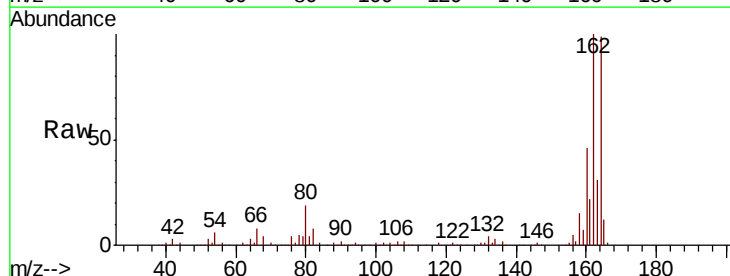
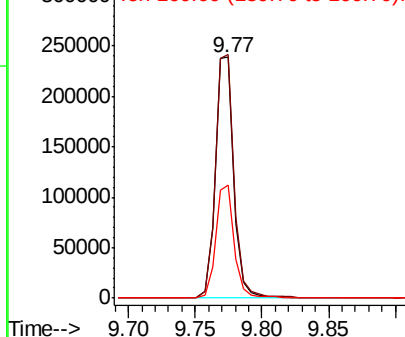
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.01 min
Lab File: BF112811.D
Acq: 1 Mar 2019 20:26

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.6	120.8
160	46.8	36.0	54.0

Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 115.799 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.00 min

Lab File: BF112811.D

Acq: 1 Mar 2019 20:26

Instrument :

BNA_F

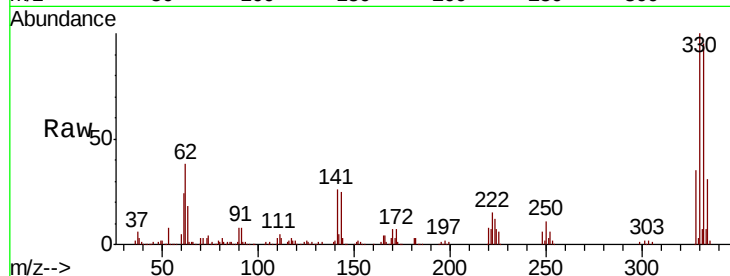
ClientSampled :

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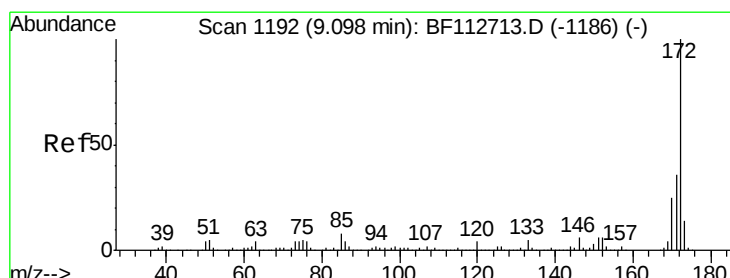
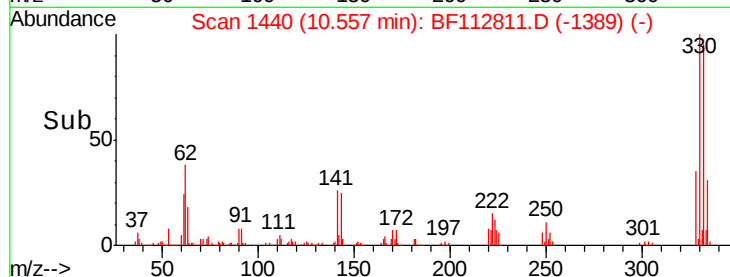
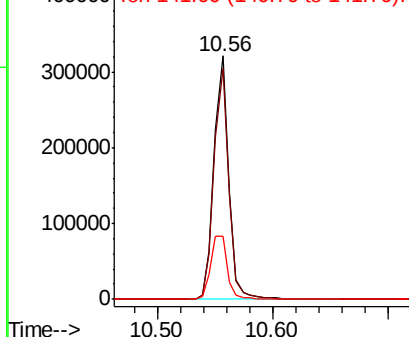
Tot Ion:	330	Resp:	285331
Ion Ratio	Lower	Upper	
330	100		
332	95.6	76.2	114.4
141	29.6	27.0	40.6

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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: 80.437 ng

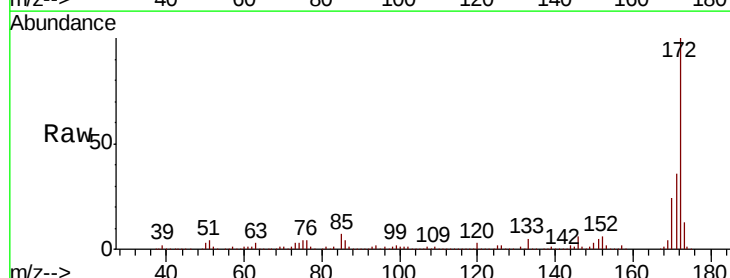
RT: 9.10 min Scan# 1192

Delta R.T. 0.00 min

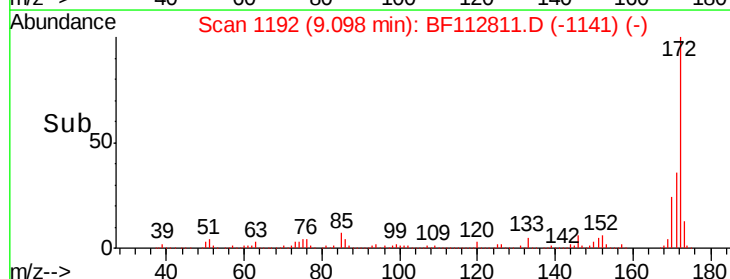
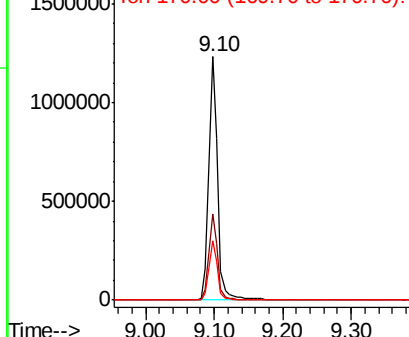
Lab File: BF112811.D

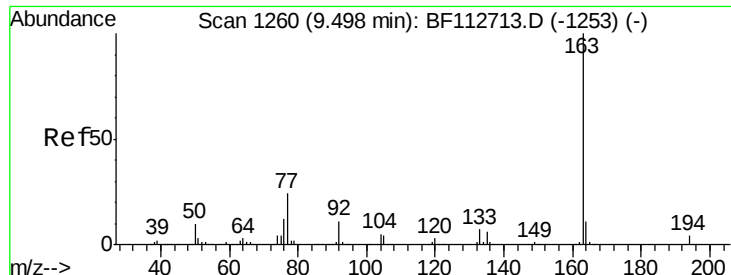
Acq: 1 Mar 2019 20:26

Tgt Ion:	172	Resp:	1142916
Ion Ratio	Lower	Upper	
172	100		
171	35.6	29.0	43.4
170	24.2	20.0	30.0



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





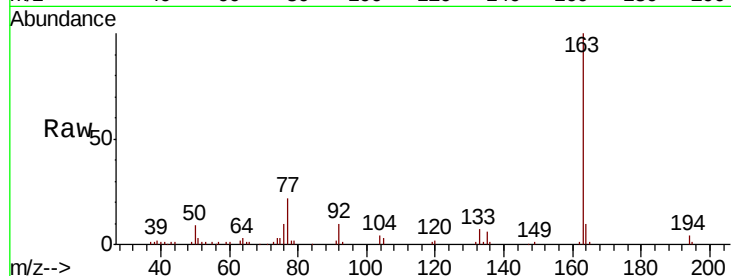
#50
Dimethylphthalate
Concen: 4.861 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF112811.D
Acq: 1 Mar 2019 20:26

Instrument :
BNA_F
ClientSampleId :
Z-3-2-B

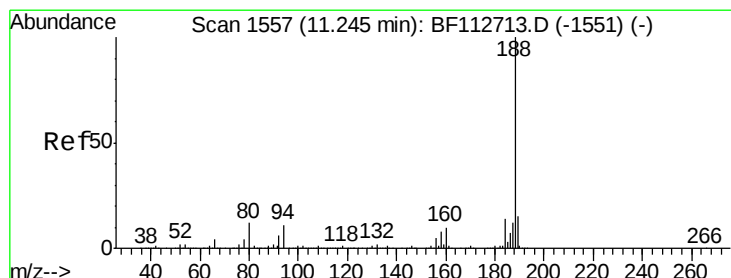
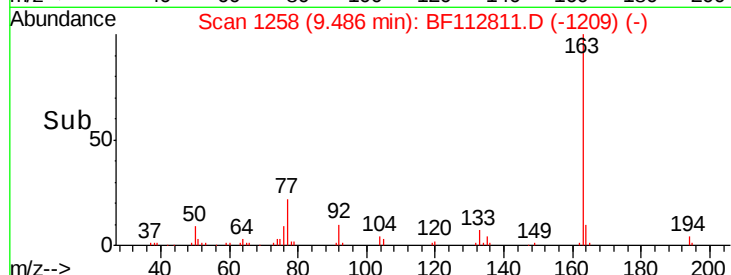
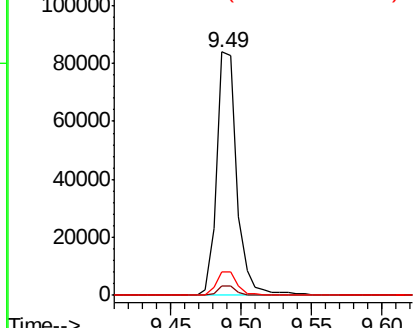
Tot Ion:	163	Resp:	83192
Ion Ratio	Lower	Upper	
163	100		
194	3.7	3.0	4.4
164	9.7	8.4	12.6

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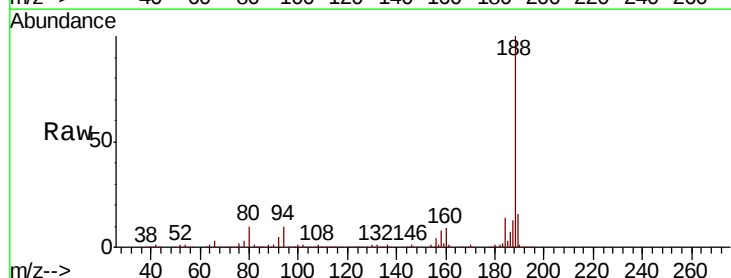


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

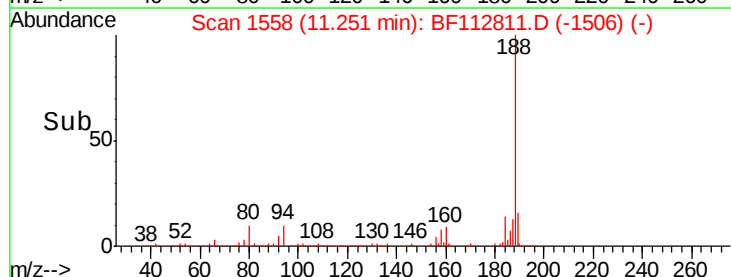
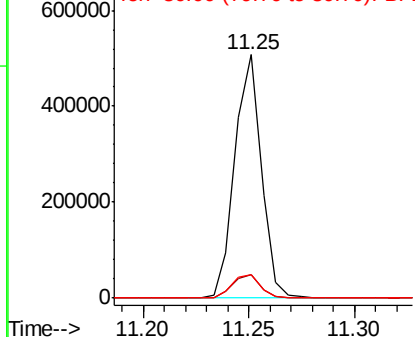


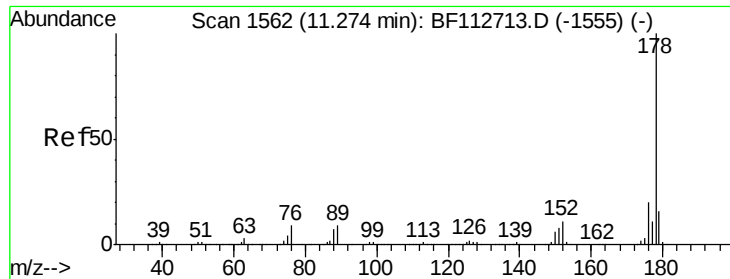
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BF112811.D
Acq: 1 Mar 2019 20:26

Tgt Ion:	188	Resp:	438504
Ion Ratio	Lower	Upper	
188	100		
94	9.7	9.0	13.4
80	9.6	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 28.676 ng

RT: 11.27 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BF112811.D

Acq: 1 Mar 2019 20:26

Instrument :

BNA_F

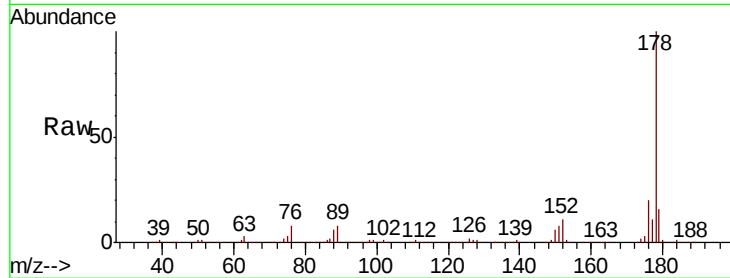
ClientSampled :

Z-3-2-B

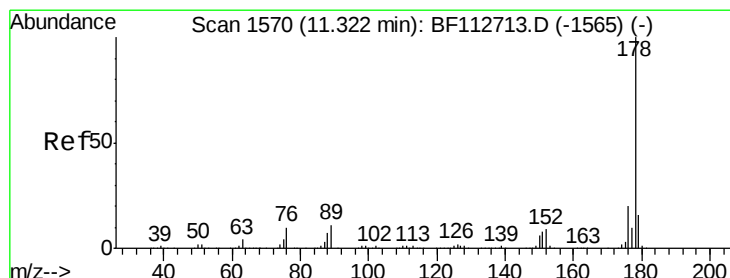
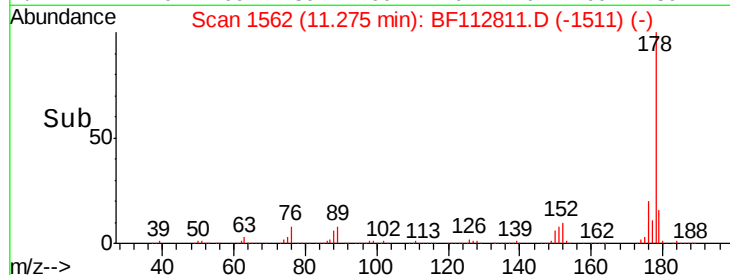
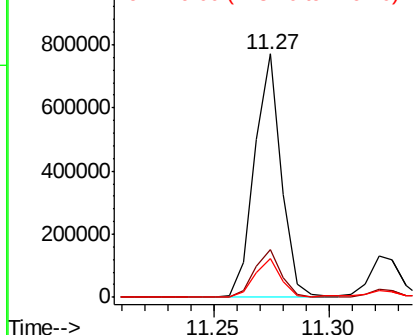
Tot Ion:	178	Resp:	625633
Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.3	24.5
179	16.0	12.7	19.1

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 5.150 ng

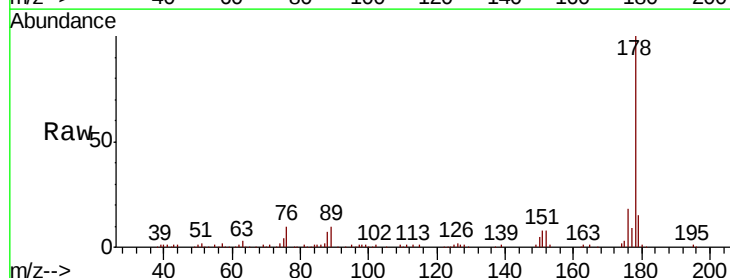
RT: 11.32 min Scan# 1570

Delta R.T. 0.00 min

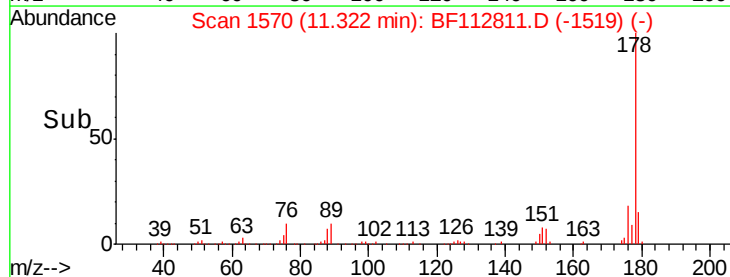
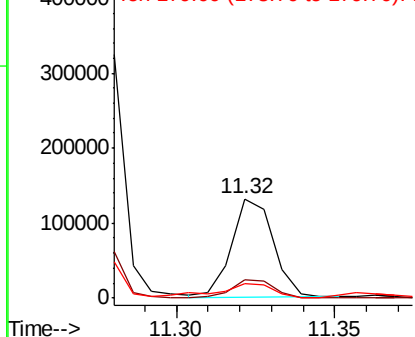
Lab File: BF112811.D

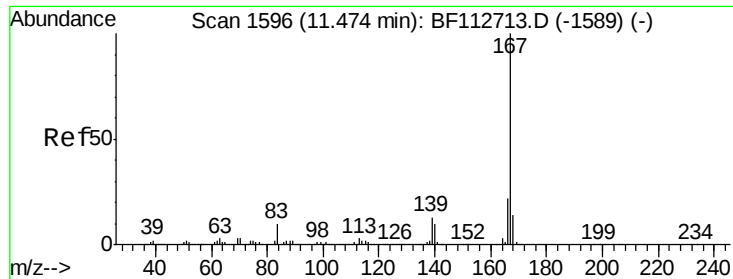
Acq: 1 Mar 2019 20:26

Tgt Ion:	178	Resp:	117621
Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.8	23.6
179	15.0	13.0	19.6



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





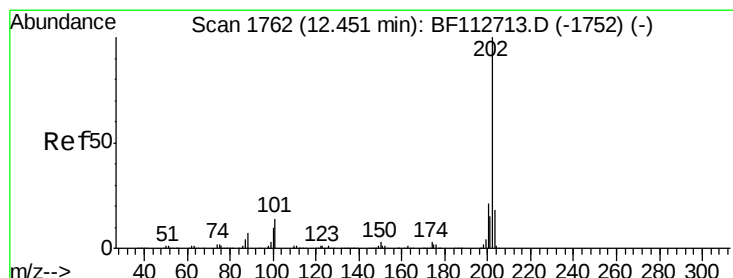
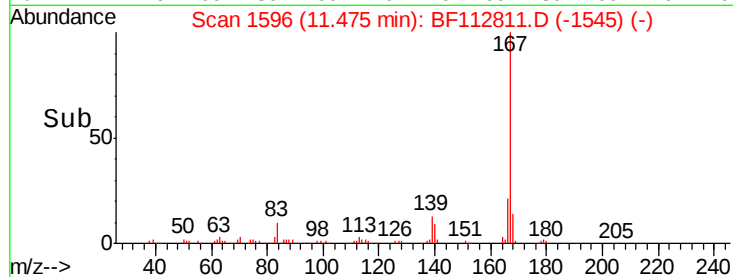
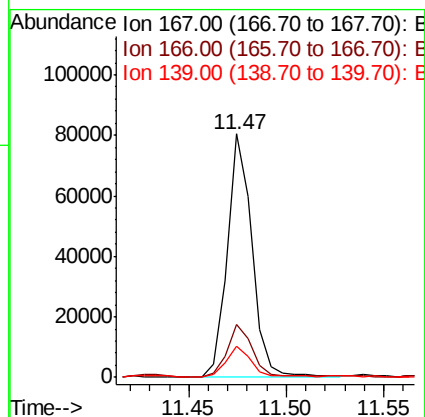
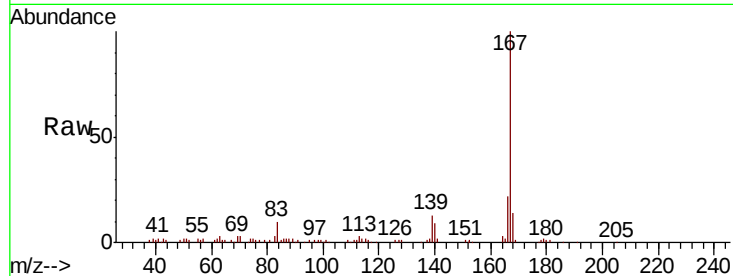
#73
 Carbazole
 Concen: 3.178 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: BF112811.D
 Acq: 1 Mar 2019 20:26

Instrument :
 BNA_F
 ClientSampled :
 Z-3-2-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
167	100		70808		
166	21.9	17.5	26.3		
139	12.8	10.8	16.2		

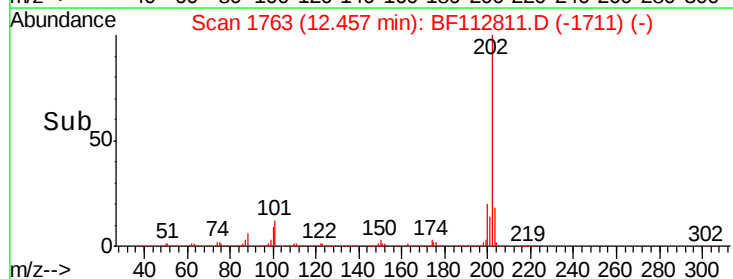
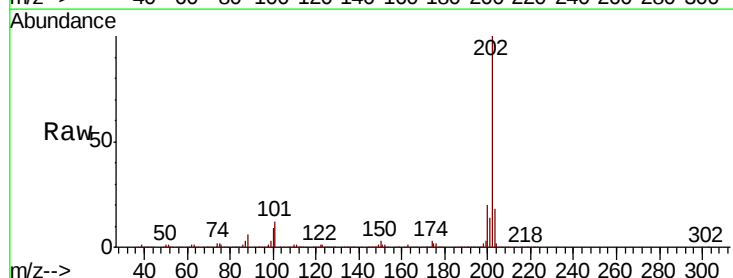
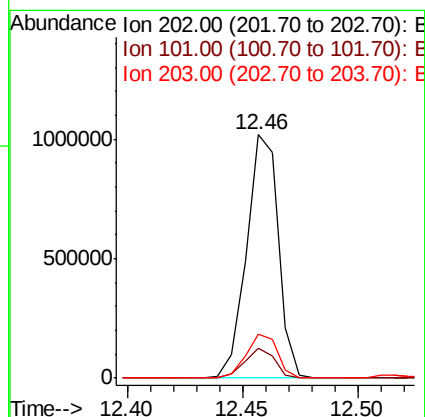
Manual Integrations
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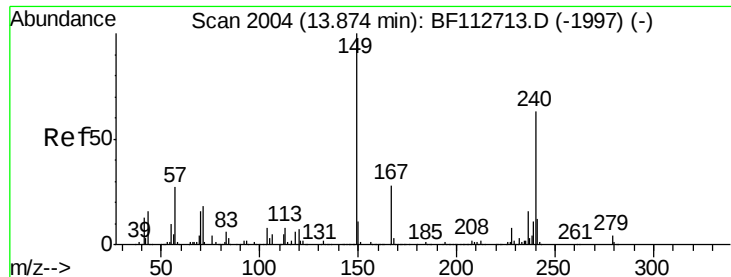
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#75
 Fluoranthene
 Concen: 42.008 ng
 RT: 12.46 min Scan# 1763
 Delta R.T. 0.01 min
 Lab File: BF112811.D
 Acq: 1 Mar 2019 20:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100		981915		
101	12.5	0.0	33.8		
203	17.9	0.0	38.4		





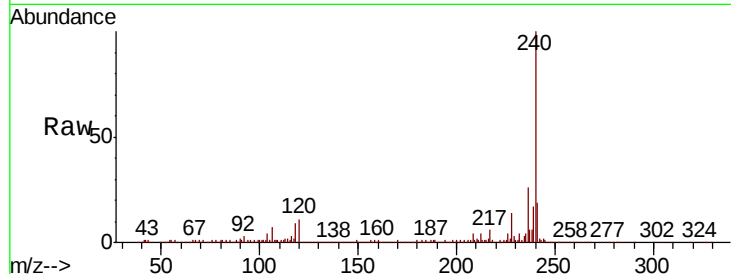
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.88 min Scan# 2005
Delta R.T. 0.01 min
Lab File: BF112811.D
Acq: 1 Mar 2019 20:26

Instrument :
BNA_F
ClientSampled :
Z-3-2-B

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.9	13.3
236	26.2	20.7	31.1

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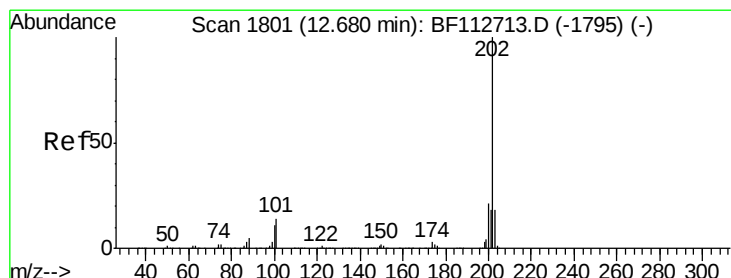
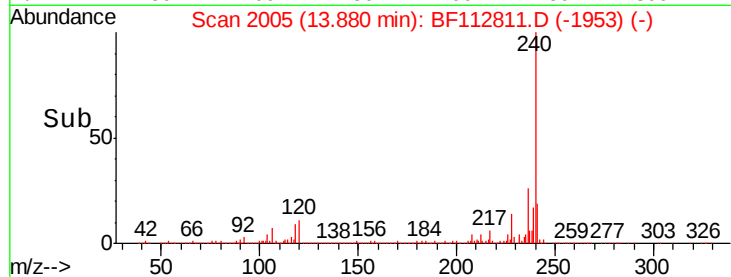
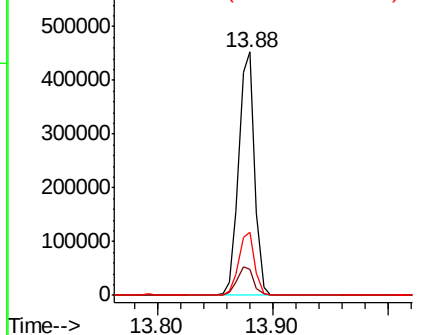


Abundance

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



#78
Pyrene
Concen: 23.717 ng
RT: 12.69 min Scan# 1802
Delta R.T. 0.01 min
Lab File: BF112811.D
Acq: 1 Mar 2019 20:26

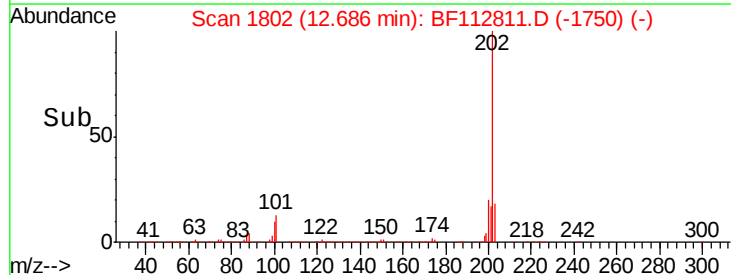
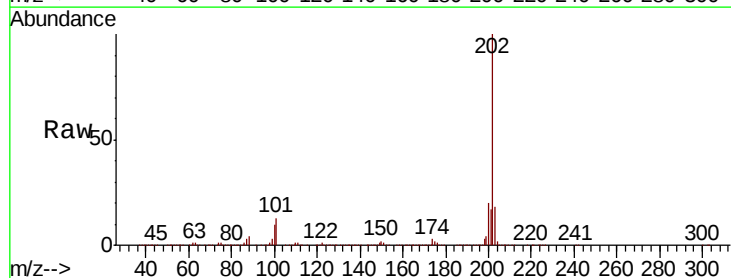
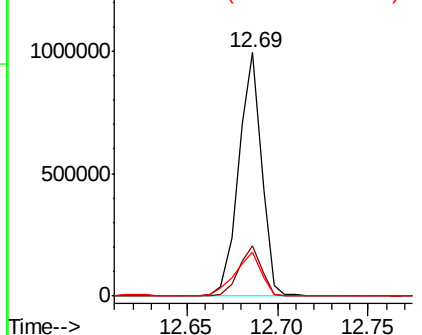
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.0	25.4
203	18.0	14.4	21.6

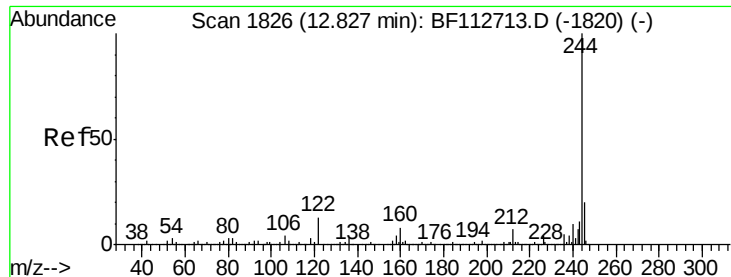
Abundance

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





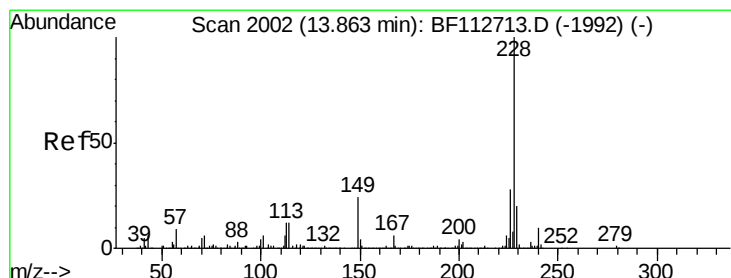
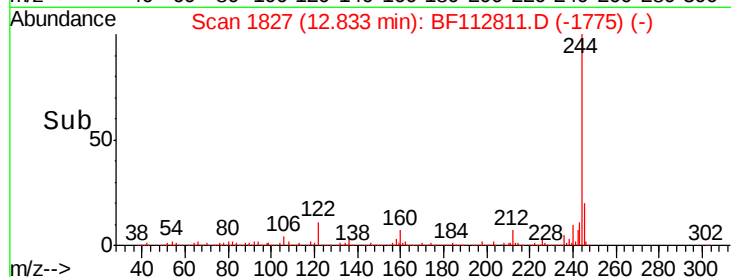
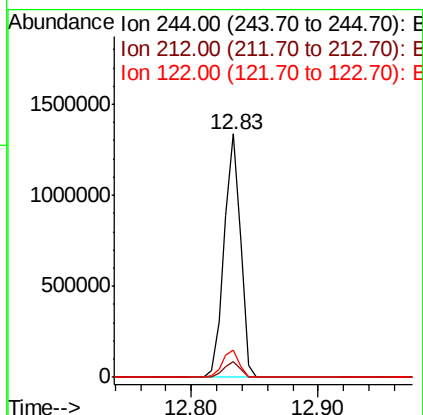
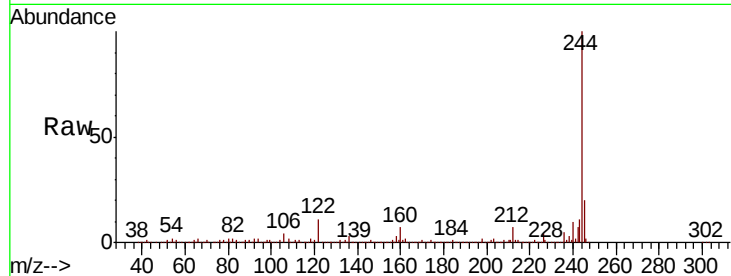
#79
 Terphenyl-d14
 Concen: 53.522 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: BF112811.D
 Acq: 1 Mar 2019 20:26

Instrument :
 BNA_F
 ClientSampleId :
 Z-3-2-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.6	8.4
122	11.1	10.5	15.7

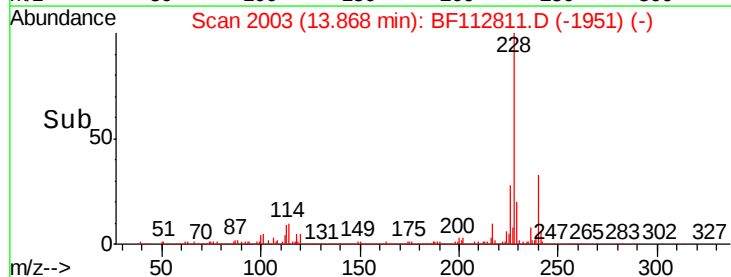
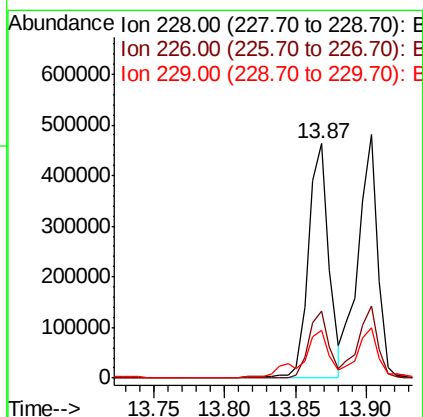
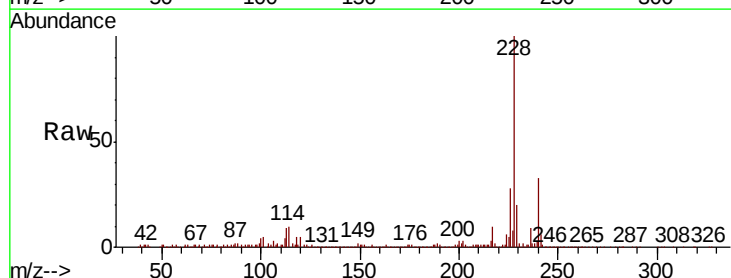
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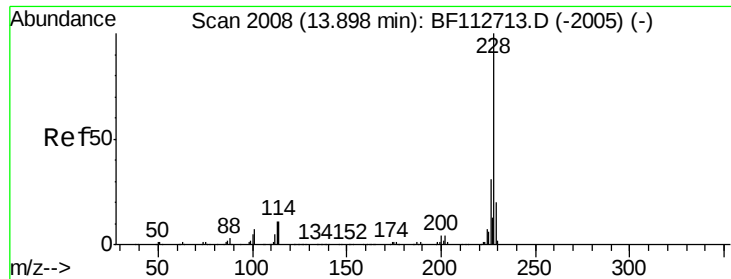
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#81
 Benzo(a)anthracene
 Concen: 15.327 ng
 RT: 13.87 min Scan# 2003
 Delta R.T. 0.01 min
 Lab File: BF112811.D
 Acq: 1 Mar 2019 20:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.2	33.4
229	20.1	16.0	24.0





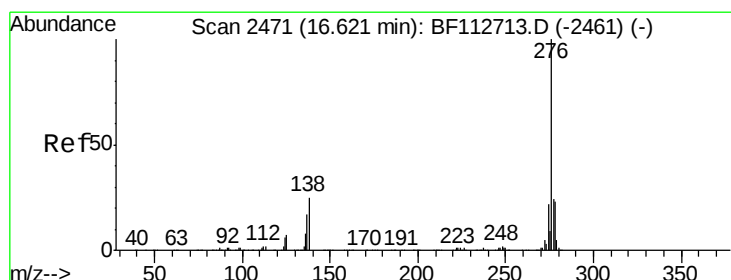
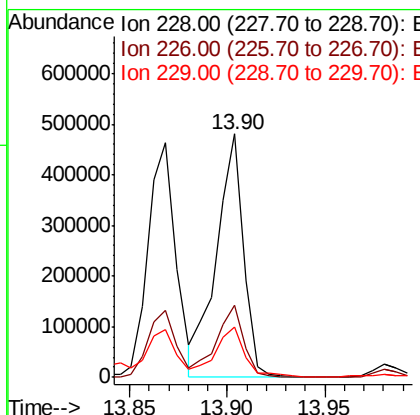
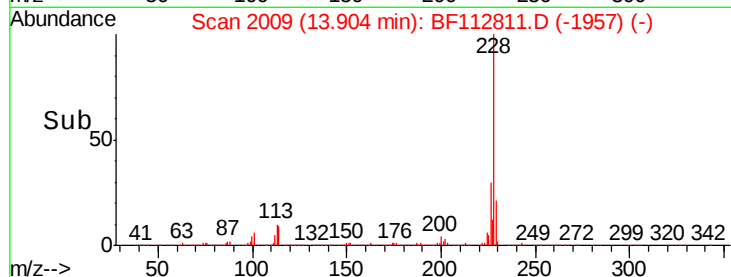
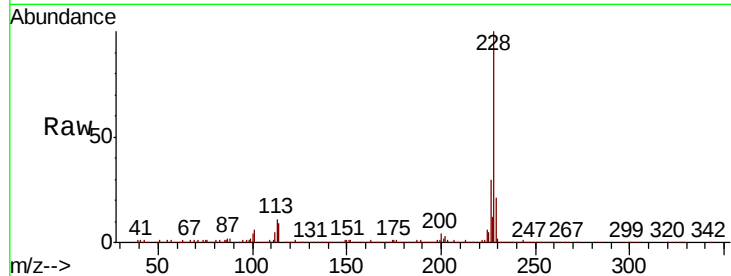
#83
 Chrysene
 Concen: 15.698 ng
 RT: 13.90 min Scan# 2009
 Delta R.T. 0.01 min
 Lab File: BF112811.D
 Acq: 1 Mar 2019 20:26

Instrument :
 BNA_F
 ClientSampleId :
 Z-3-2-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.9	37.3
229	20.9	16.3	24.5

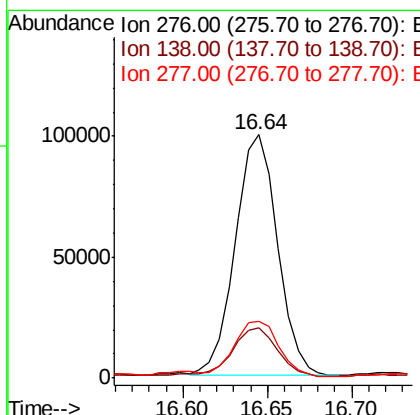
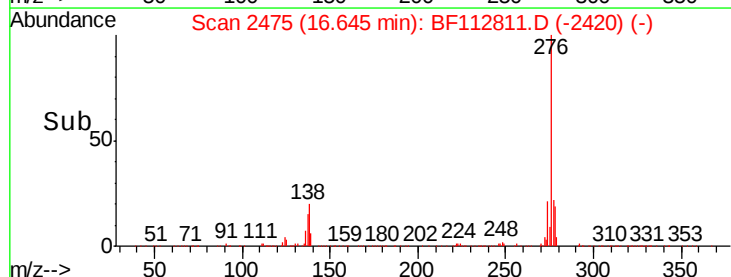
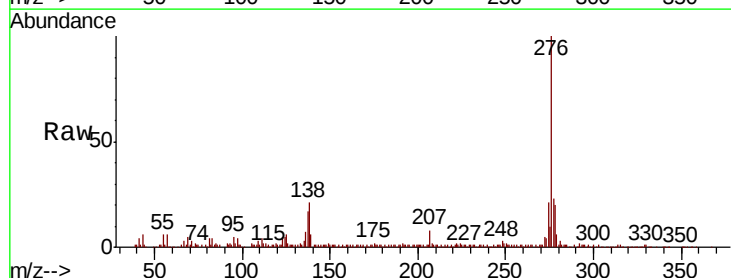
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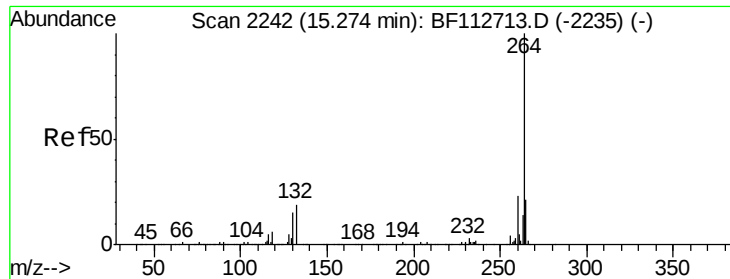
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#86
 Indeno(1,2,3-cd)pyrene
 Concen: 6.907 ng m
 RT: 16.64 min Scan# 2475
 Delta R.T. 0.02 min
 Lab File: BF112811.D
 Acq: 1 Mar 2019 20:26

Tgt Ion	Ratio	Lower	Upper
276	100		
138	5.0	23.2	34.8#
277	5.0	19.9	29.9#





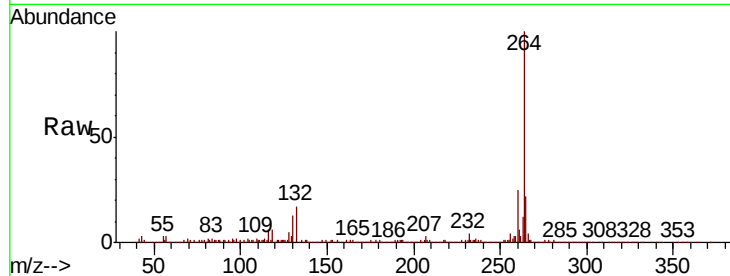
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.01 min
Lab File: BF112811.D
Acq: 1 Mar 2019 20:26

Instrument :
BNA_F
ClientSampled :
Z-3-2-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	18.7	28.1
265	22.4	17.2	25.8

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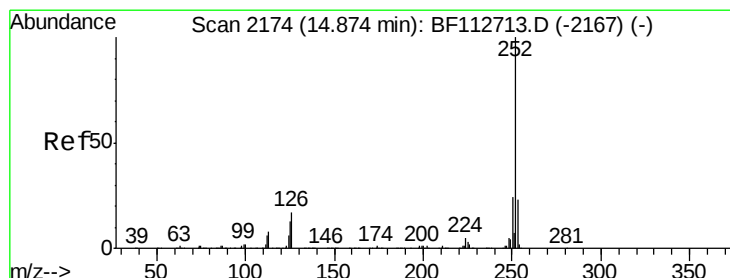
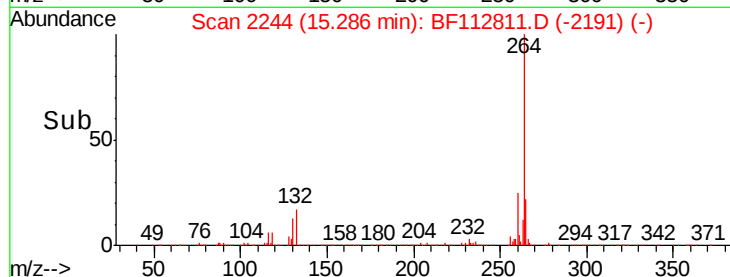
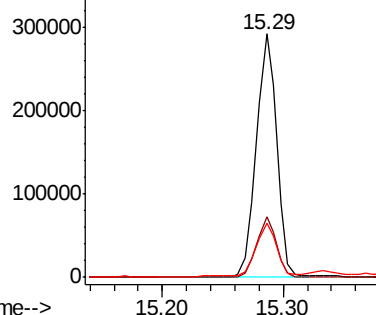


Abundance

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: 22.230 ng m
RT: 14.89 min Scan# 2176
Delta R.T. 0.01 min
Lab File: BF112811.D
Acq: 1 Mar 2019 20:26

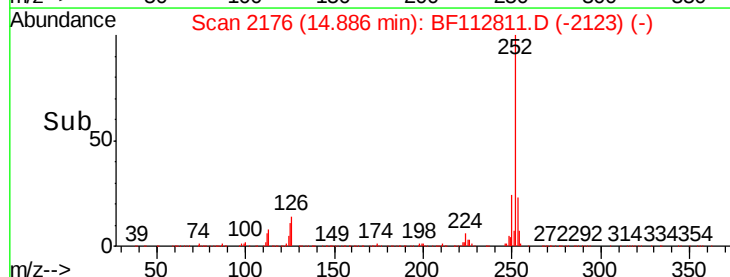
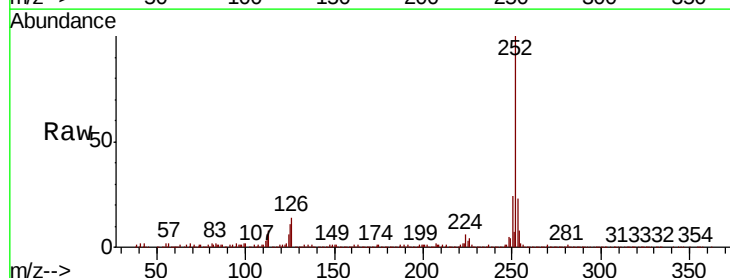
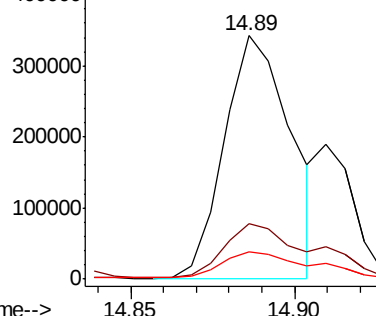
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	11.4	10.2	15.2

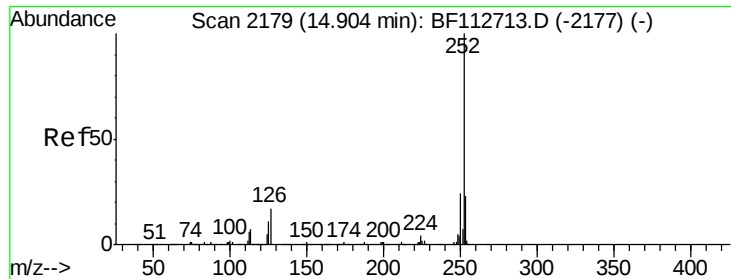
Abundance

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





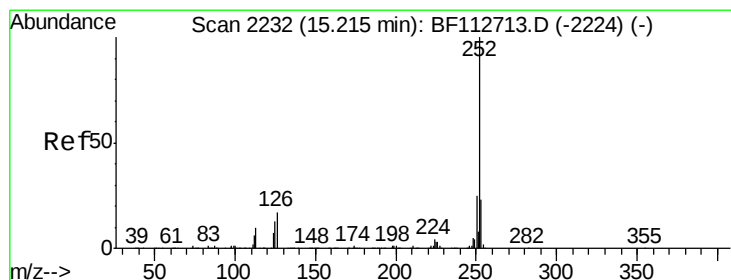
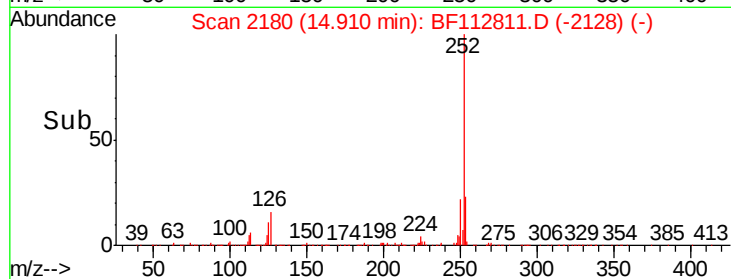
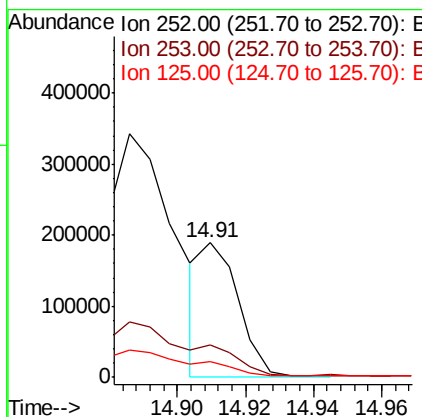
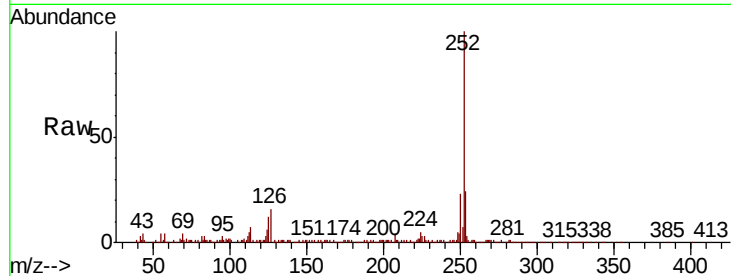
#89
Benzo(k)fluoranthene
Concen: 7.302 ng m
RT: 14.91 min Scan# 2180
Delta R.T. 0.01 min
Lab File: BF112811.D
Acq: 1 Mar 2019 20:26

Instrument :
BNA_F
ClientSampleId :
Z-3-2-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.2
125	11.7	9.8	14.6

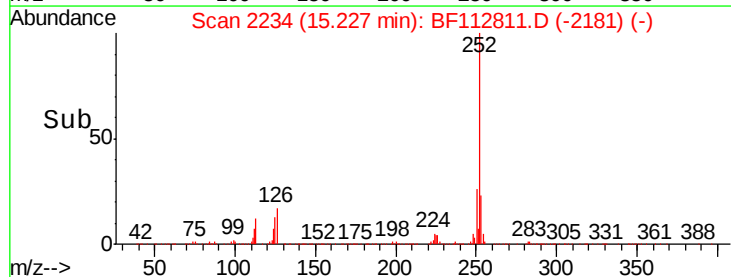
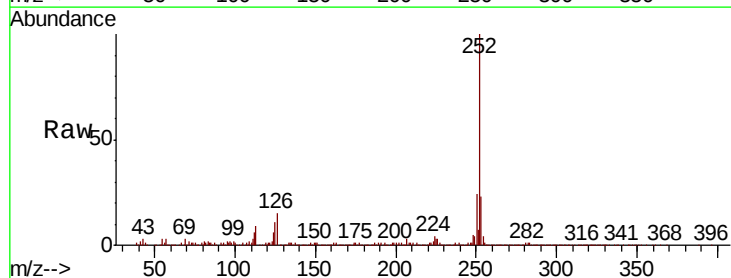
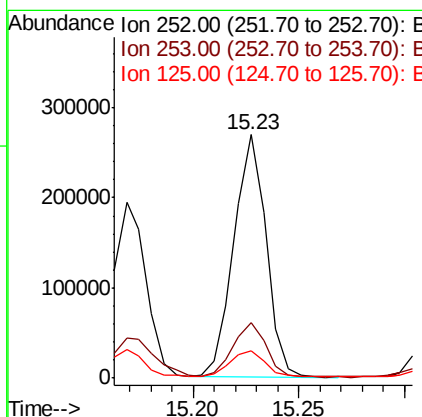
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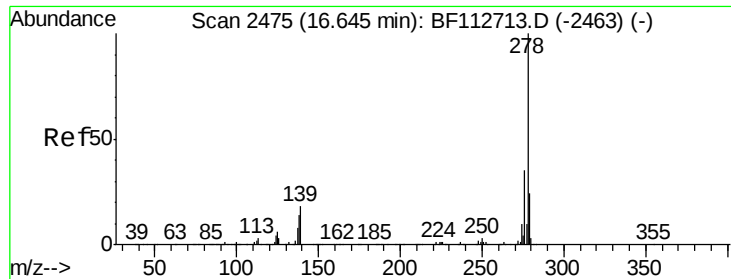
Sohil
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#90
Benzo(a)pyrene
Concen: 14.706 ng
RT: 15.23 min Scan# 2234
Delta R.T. 0.01 min
Lab File: BF112811.D
Acq: 1 Mar 2019 20:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	11.1	10.7	16.1





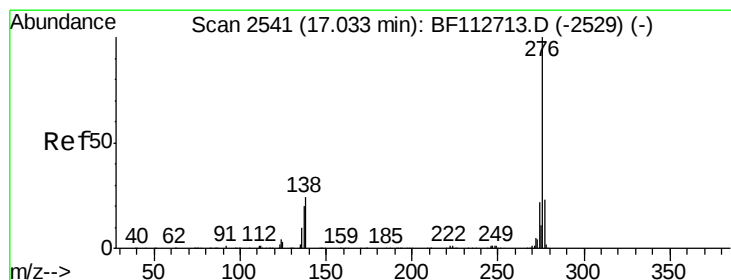
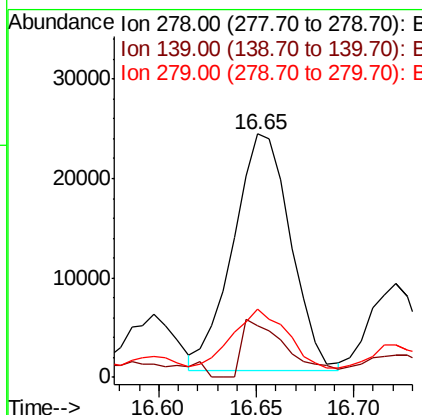
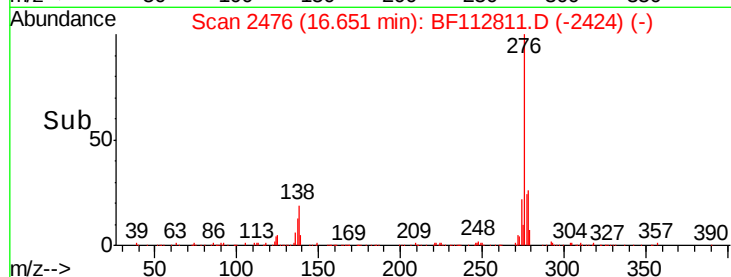
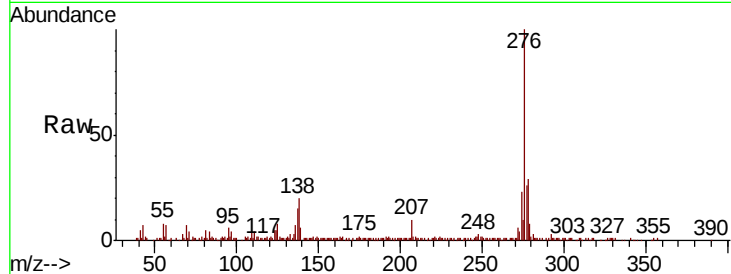
#91
Dibenzo(a,h)anthracene
Concen: 2.946 ng
RT: 16.65 min Scan# 2476
Delta R.T. 0.01 min
Lab File: BF112811.D
Acq: 1 Mar 2019 20:26

Instrument :
BNA_F
ClientSampleId :
Z-3-2-B

Tot Ion:	278	Resp:	48700
Ion	Ratio	Lower	Upper
278	100		
139	21.1	14.3	21.5
279	28.3	19.4	29.0

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 9.494 ng
RT: 17.05 min Scan# 2544
Delta R.T. 0.02 min
Lab File: BF112811.D
Acq: 1 Mar 2019 20:26

Tgt Ion:	276	Resp:	157596
Ion	Ratio	Lower	Upper
276	100		
277	22.5	18.6	27.8
138	21.4	19.4	29.0

