

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032719\
 Data File : BF113340.D
 Acq On : 27 Mar 2019 19:39
 Operator : JU/SJ
 Sample : K2097-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-19

Manual Integrations
 APPROVED

Sohil
 3/28/2019 8:41:18 AM

Quant Time: Mar 28 04:14:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	183831	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	687219	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	316749	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	567718	20.00	ng	0.00
76) Chrysene-d12	13.84	240	410349	20.00	ng	0.00
87) Perylene-d12	15.24	264	422405	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	991692	88.21	ng	0.00
7) Phenol-d6	6.35	99	1299292	91.35	ng	0.00
23) Nitrobenzene-d5	7.26	82	790069	68.24	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	336579	86.02	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1438422	67.56	ng	0.00
79) Terphenyl-d14	12.79	244	1189614	63.90	ng	0.00
Target Compounds						
10) Phenol	6.36	94	60239	3.710	ng	Qvalue # 67
49) Acenaphthylene	9.59	152	85463	2.595	ng	99
50) Dimethylphthalate	9.45	163	118531	5.050	ng	100
71) Phenanthrene	11.23	178	91007	3.228	ng	96
72) Anthracene	11.29	178	83088	2.901	ng	100
73) Carbazole	11.44	167	77666	2.842	ng	99
75) Fluoranthene	12.42	202	594478	18.652	ng	99
78) Pyrene	12.64	202	551024	19.378	ng	98
81) Benzo(a)anthracene	13.83	228	358375	15.257	ng	94
83) Chrysene	13.86	228	525359	22.020	ng	98
86) Indeno(1,2,3-cd)pyrene	16.59	276	236357	11.543	ng	97
88) Benzo(b)fluoranthene	14.84	252	791667m	30.171	ng	
89) Benzo(k)fluoranthene	14.87	252	215282m	9.343	ng	
90) Benzo(a)pyrene	15.18	252	312233	13.422	ng	98
91) Dibenzo(a,h)anthracene	16.59	278	65223	3.243	ng	# 79
92) Benzo(g,h,i)perylene	16.99	276	207910	10.252	ng	97

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

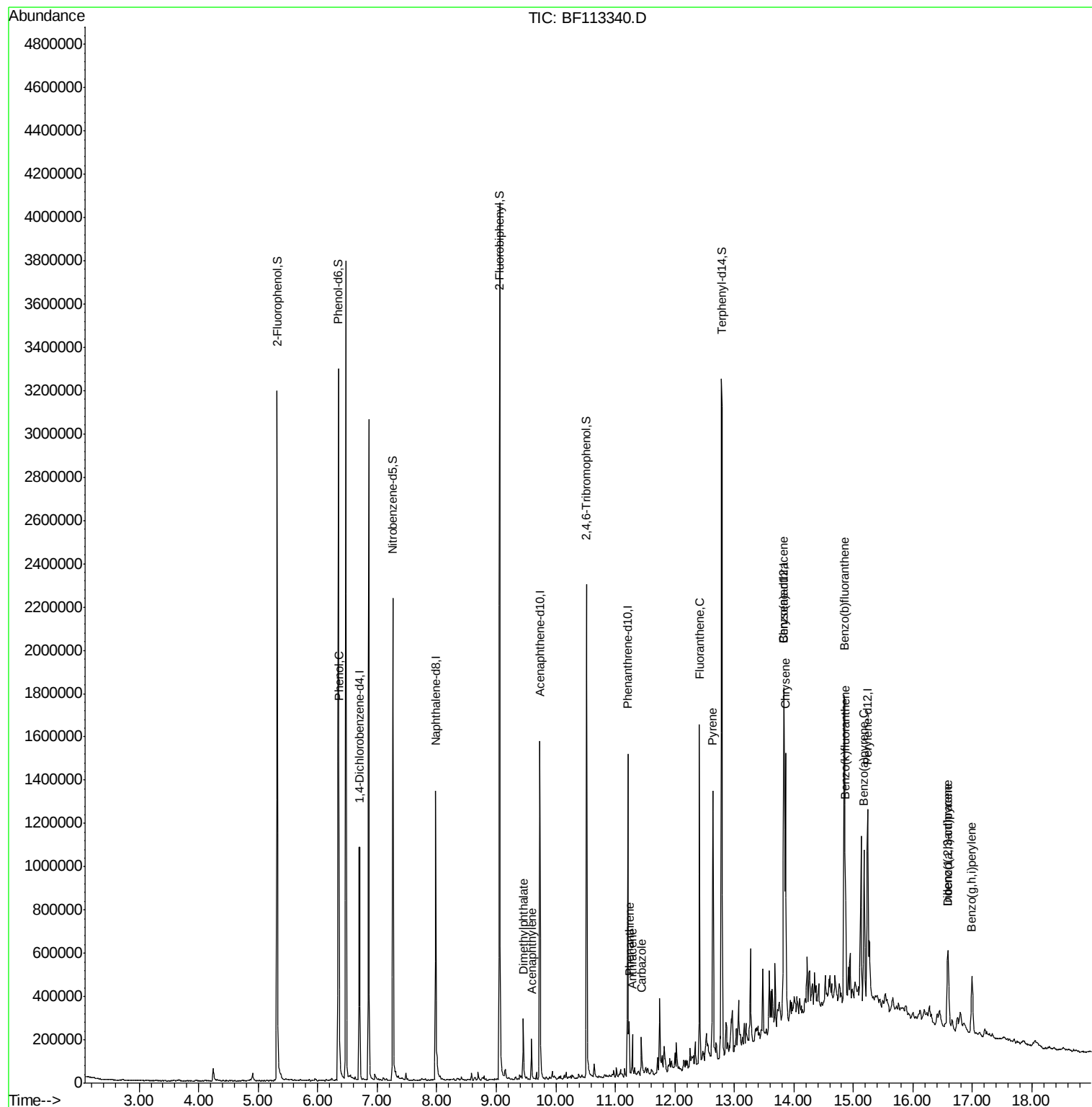
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032719\
Data File : BF113340.D
Acq On : 27 Mar 2019 19:39
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF032519.M
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#1

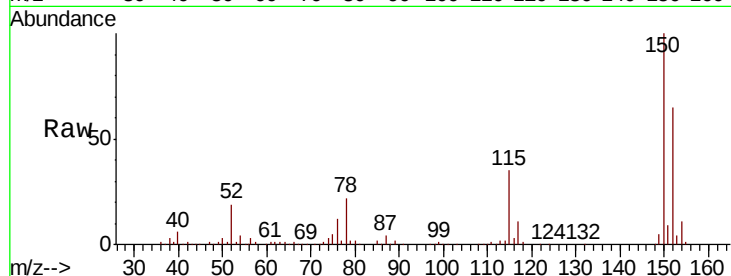
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. 0.00 min
Lab File: BF113340.D
Acq: 27 Mar 2019 19:39

Instrument :
BNA_F
ClientSampleId :
CS-19

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.7	187.1
115	54.1	46.0	69.0

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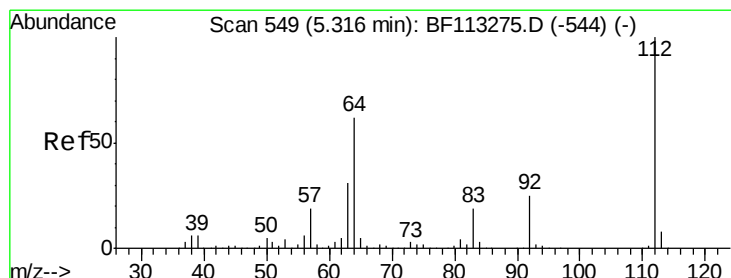
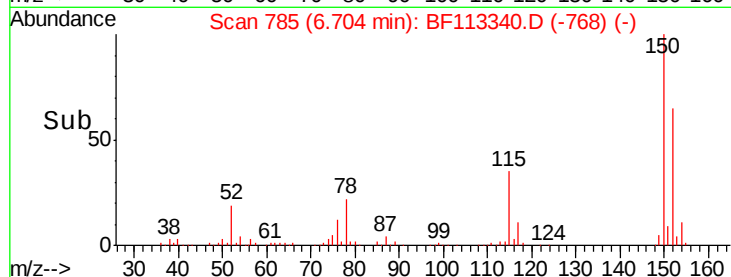
Abundance

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

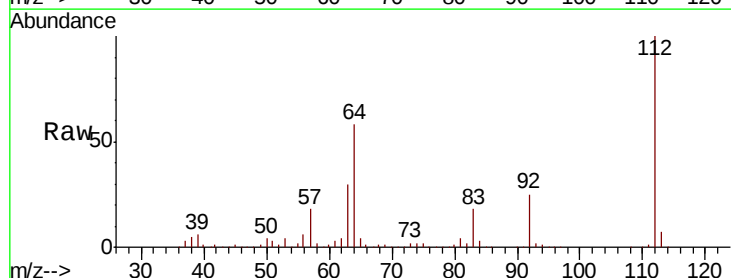
Time-->



#5

2-Fluorophenol
Concen: 88.208 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF113340.D
Acq: 27 Mar 2019 19:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	49.2	73.8
63	29.6	24.9	37.3



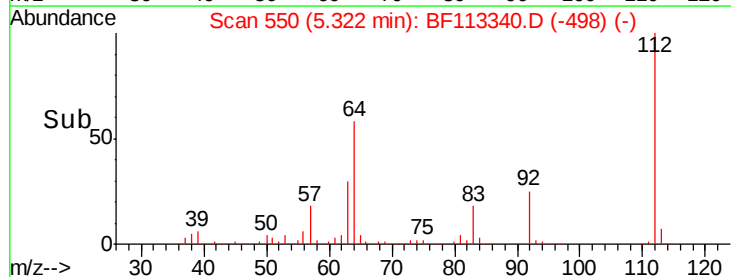
Abundance

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: 91.354 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF113340.D

Acq: 27 Mar 2019 19:39

Instrument :

BNA_F

ClientSampled :

CS-19

Tot Ion: 99 Resp: 1299292

Ion Ratio Lower Upper

99 100

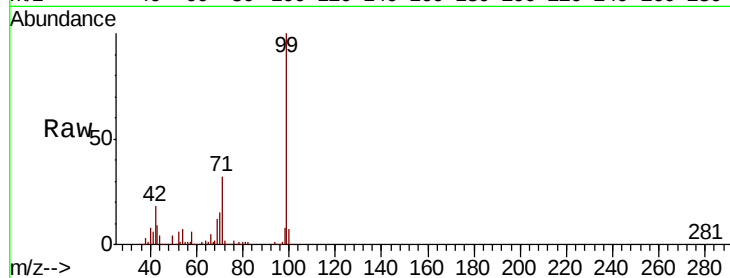
42 17.7 14.8 22.2

71 31.6 24.9 37.3

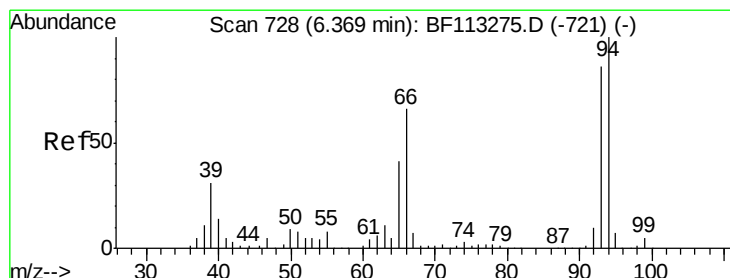
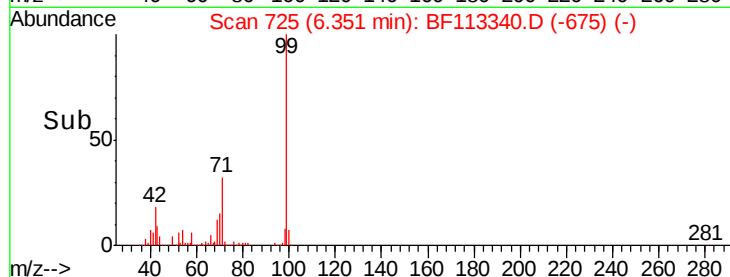
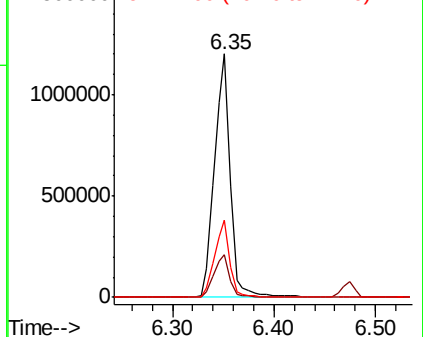
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.710 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113340.D

Acq: 27 Mar 2019 19:39

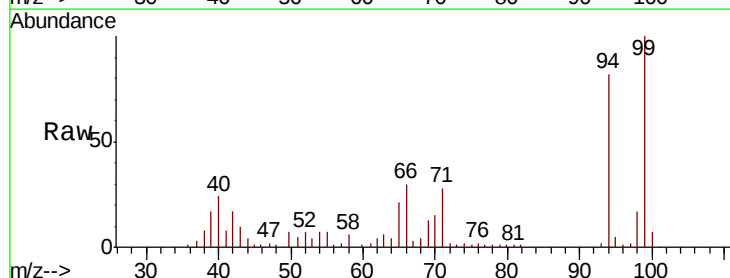
Tgt Ion: 94 Resp: 60239

Ion Ratio Lower Upper

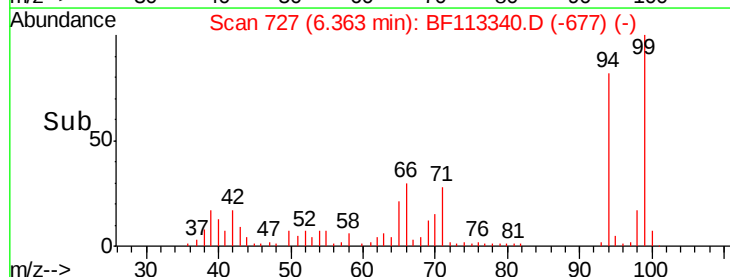
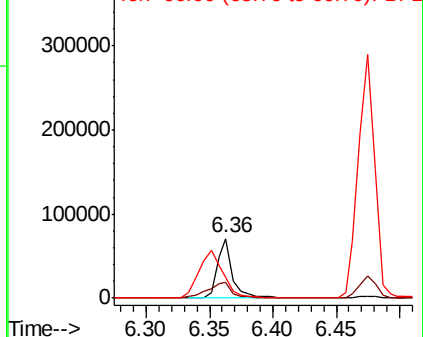
94 100

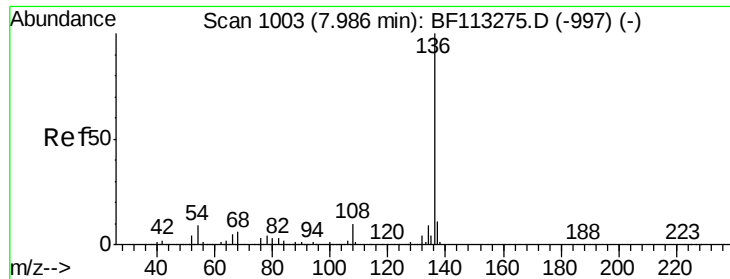
65 25.4 21.4 61.4

66 35.9 46.4 86.4#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





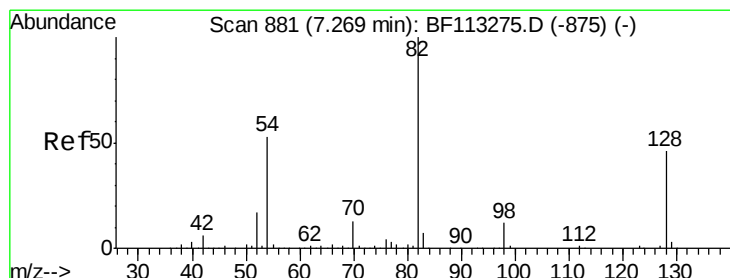
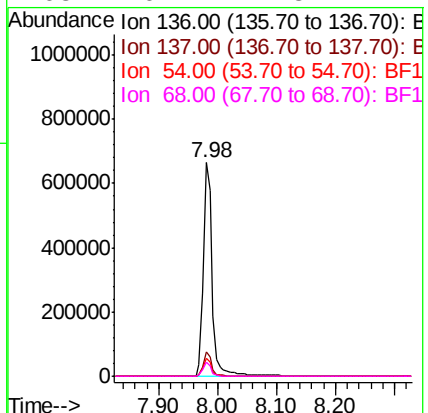
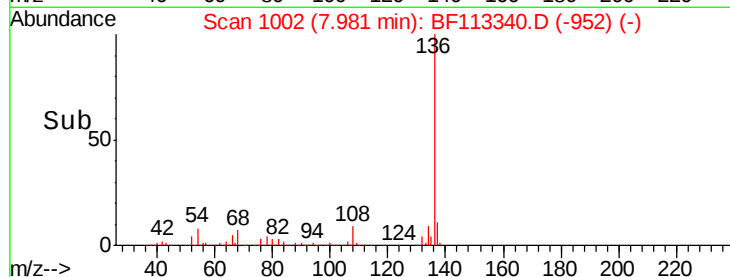
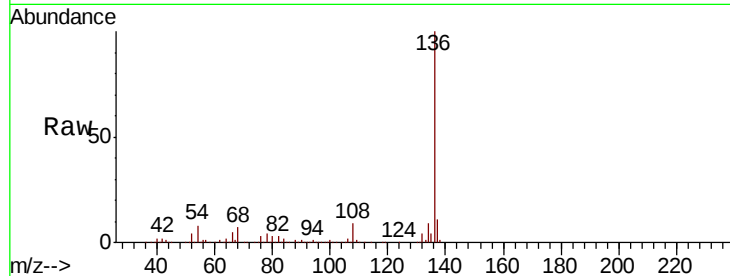
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF113340.D
Acq: 27 Mar 2019 19:39

Instrument :
BNA_F
ClientSampled :
CS-19

Tot Ion	Ratio	Resp	Lower	Upper
136	100	687219		
137	11.1		8.9	13.3
54	8.3		7.0	10.6
68	6.7		4.8	7.2

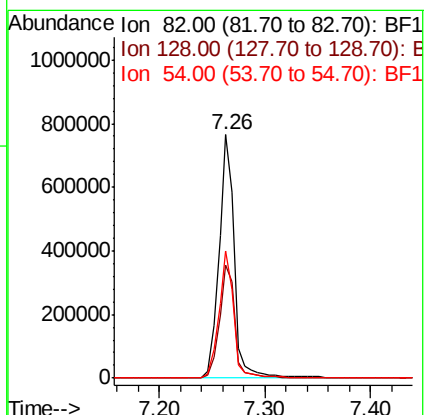
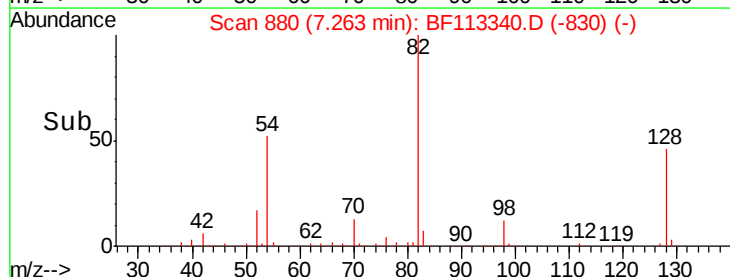
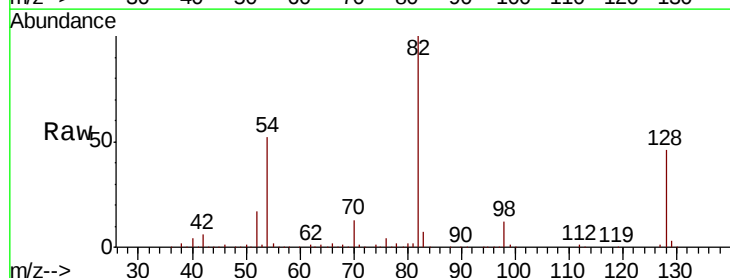
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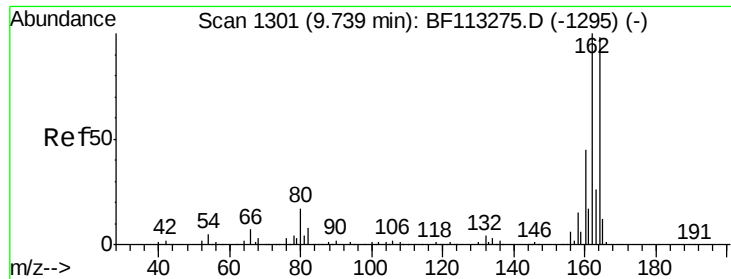
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#23
Nitrobenzene-d5
Concen: 68.237 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF113340.D
Acq: 27 Mar 2019 19:39

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	790069		
128	46.3		36.5	54.7
54	52.4		42.2	63.2





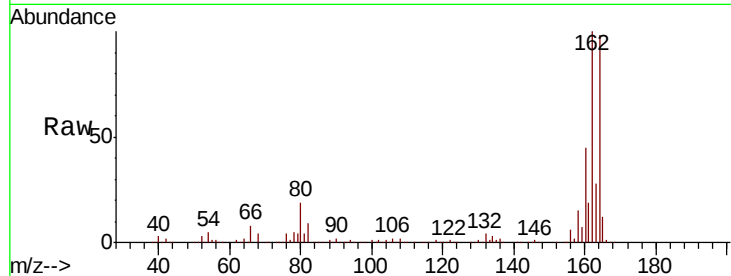
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF113340.D
Acq: 27 Mar 2019 19:39

Instrument :
BNA_F
ClientSampled :
CS-19

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.2	81.8	122.6
160	46.2	36.4	54.6

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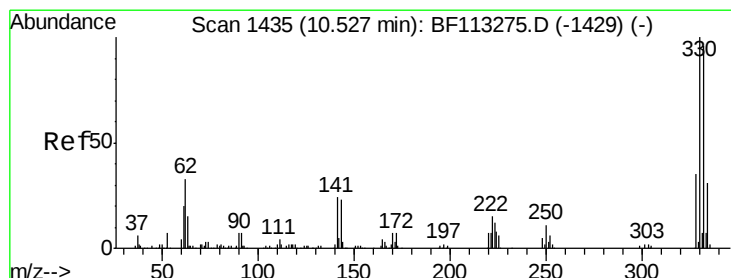
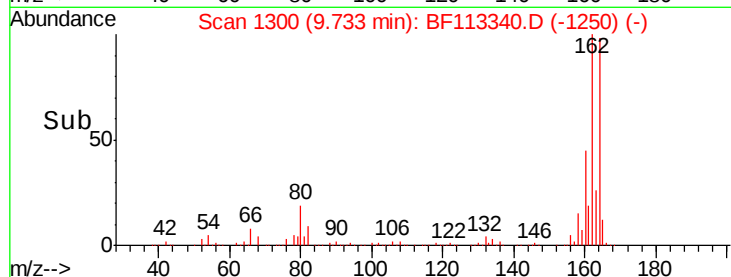
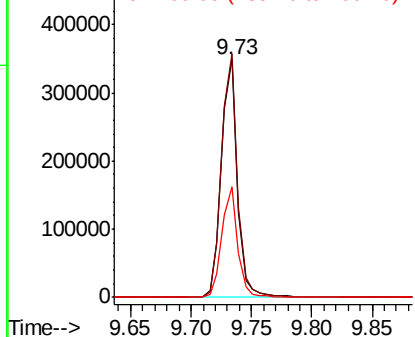


Abundance

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: 86.025 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BF113340.D
Acq: 27 Mar 2019 19:39

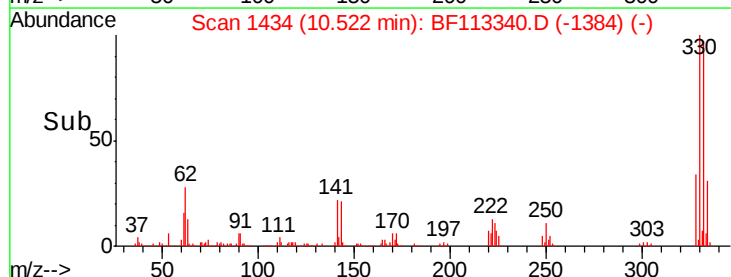
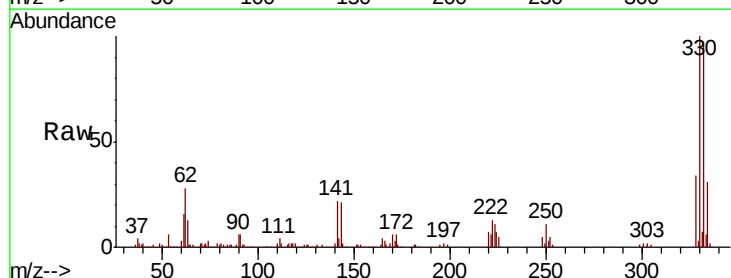
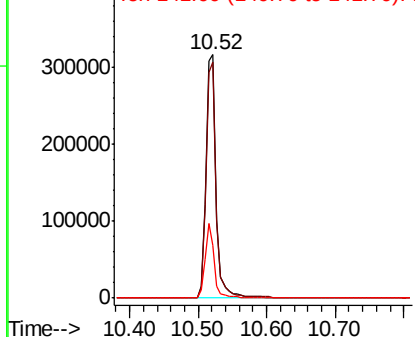
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.8	116.6
141	27.9	22.7	34.1

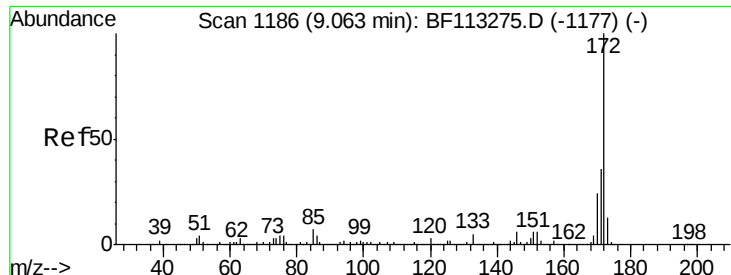
Abundance

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





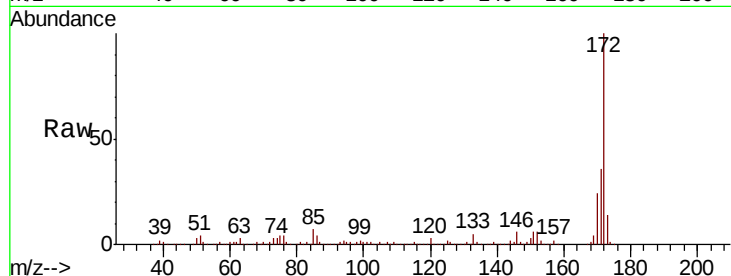
#45
2-Fluorobiphenyl
Concen: 67.558 ng
RT: 9.06 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF113340.D
Acq: 27 Mar 2019 19:39

Instrument :
BNA_F
ClientSampleId :
CS-19

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.0	43.6
170	24.3	19.5	29.3

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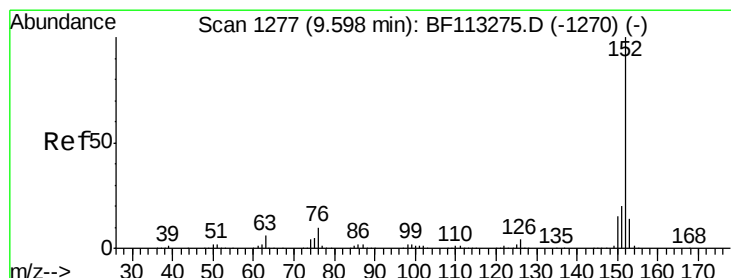
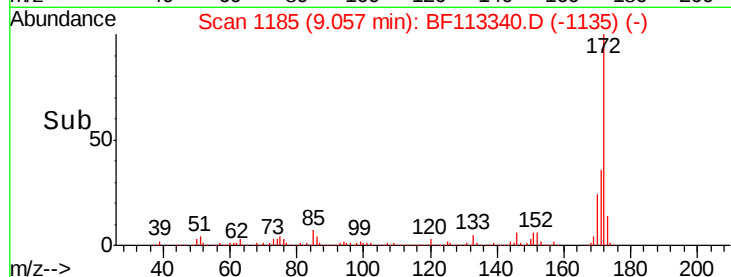
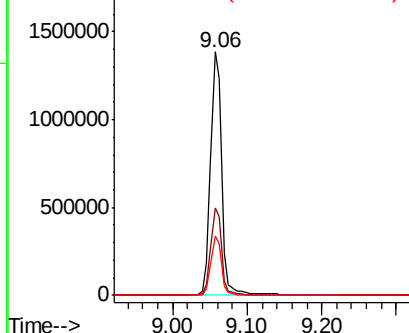


Abundance

Ion 172.00 (171.70 to 172.70): E

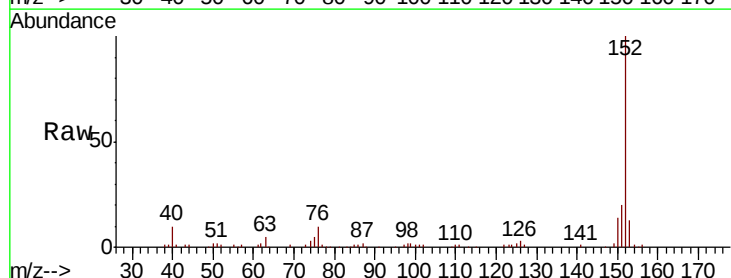
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49
Acenaphthylene
Concen: 2.595 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.01 min
Lab File: BF113340.D
Acq: 27 Mar 2019 19:39

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.4
153	13.0	11.0	16.6

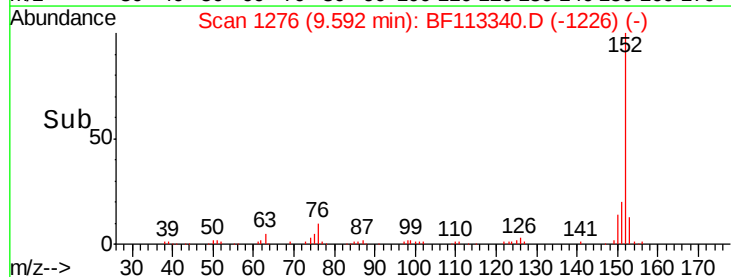
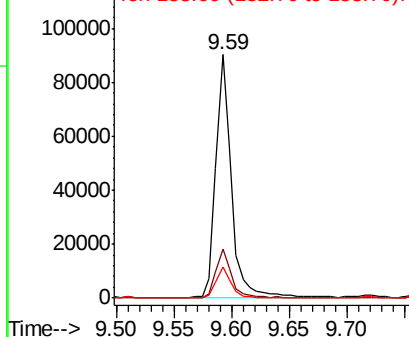


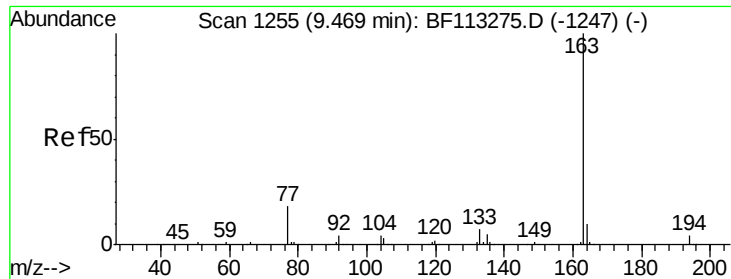
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#50

Dimethylphthalate

Concen: 5.050 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.02 min

Lab File: BF113340.D

Acq: 27 Mar 2019 19:39

Instrument :

BNA_F

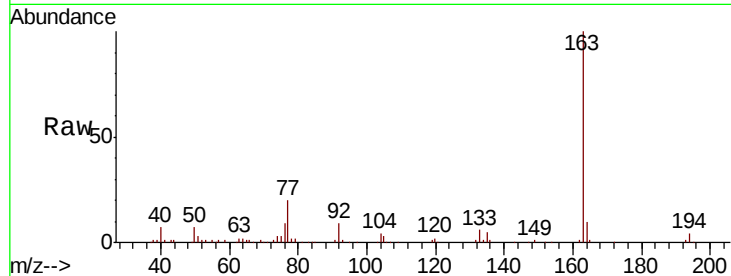
ClientSampled :

CS-19

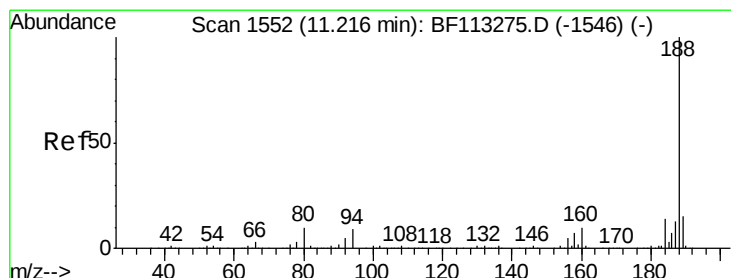
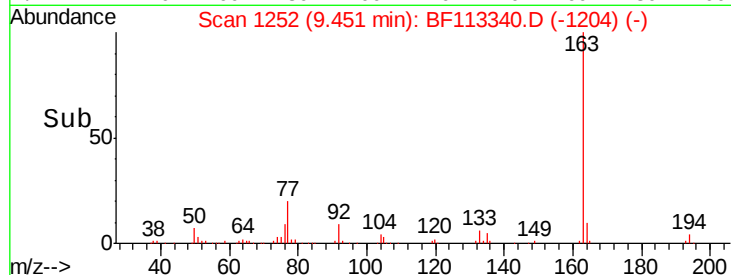
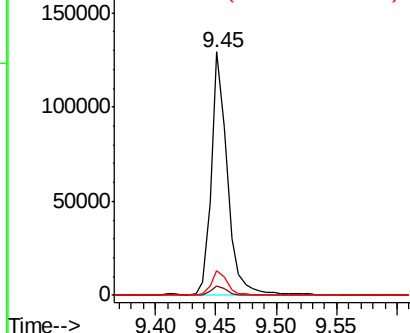
Tot Ion:	163	Resp:	118531
Ion Ratio	Lower	Upper	
163	100		
194	3.6	3.0	4.6
164	10.1	8.1	12.1

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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

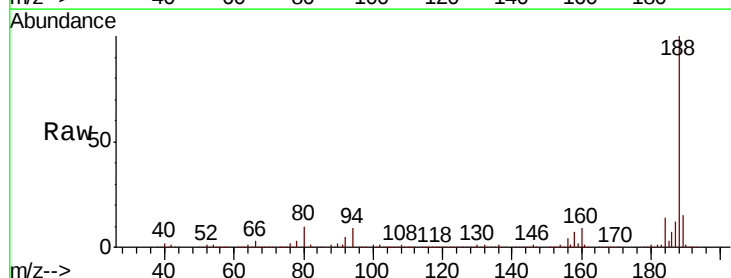
RT: 11.21 min Scan# 1551

Delta R.T. -0.01 min

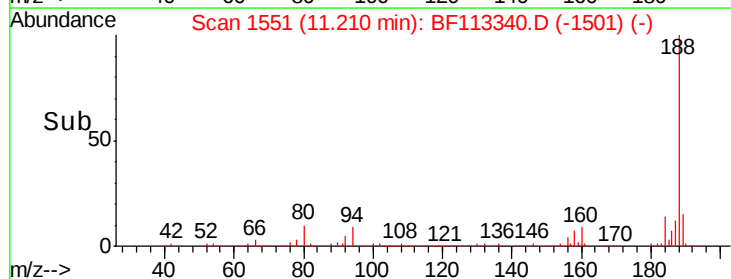
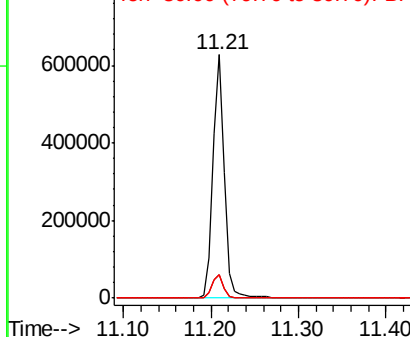
Lab File: BF113340.D

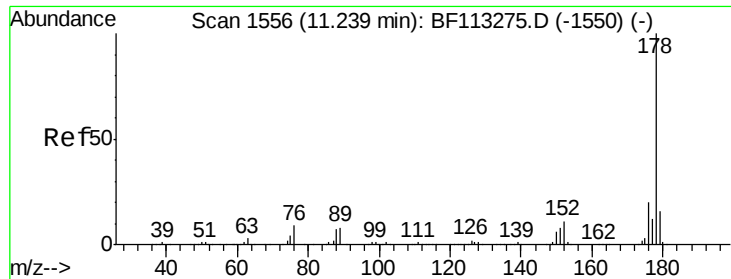
Acq: 27 Mar 2019 19:39

Tgt Ion:	188	Resp:	567718
Ion Ratio	Lower	Upper	
188	100		
94	9.4	7.0	10.6
80	9.7	7.7	11.5



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





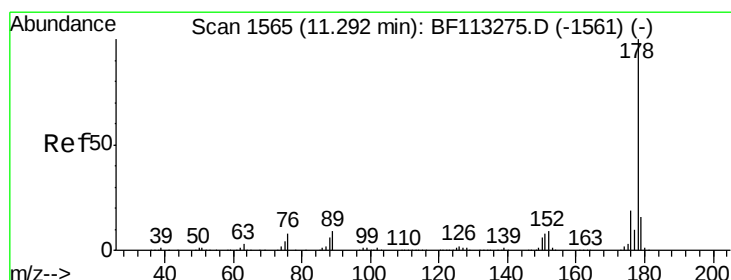
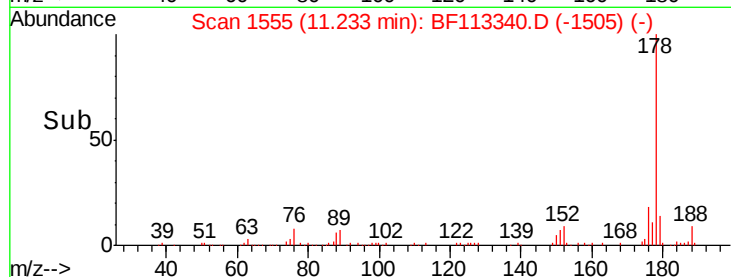
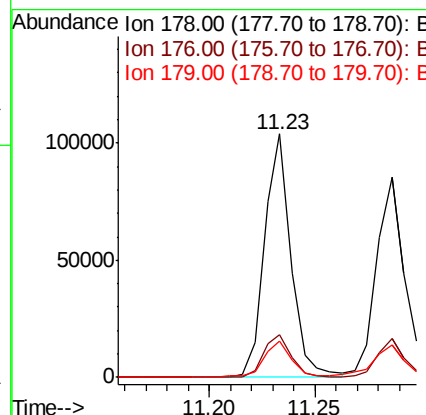
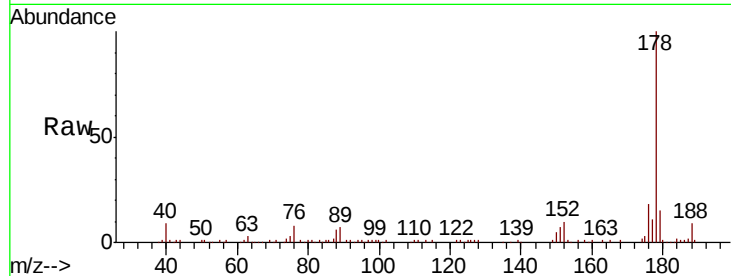
#71
Phenanthrene
Concen: 3.228 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF113340.D
Acq: 27 Mar 2019 19:39

Instrument :
BNA_F
ClientSampled :
CS-19

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.5	16.2	24.2
179	15.1	12.7	19.1

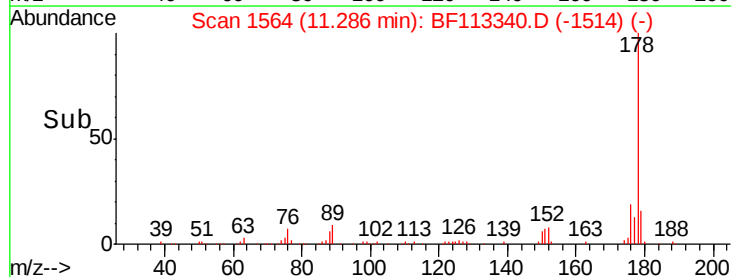
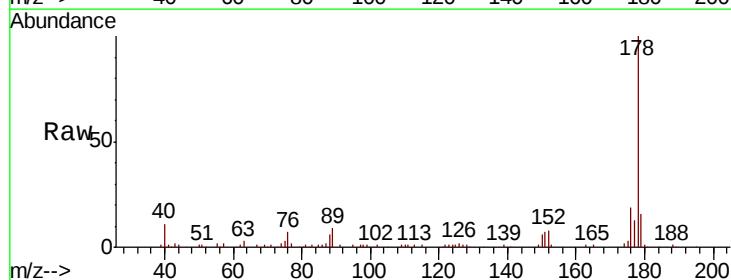
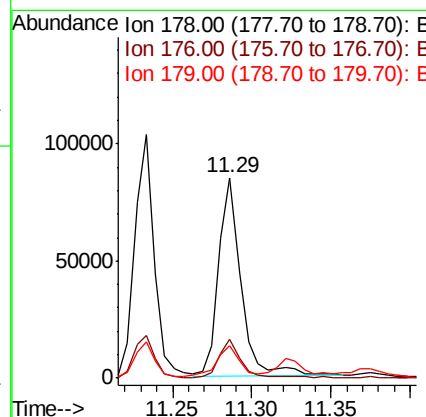
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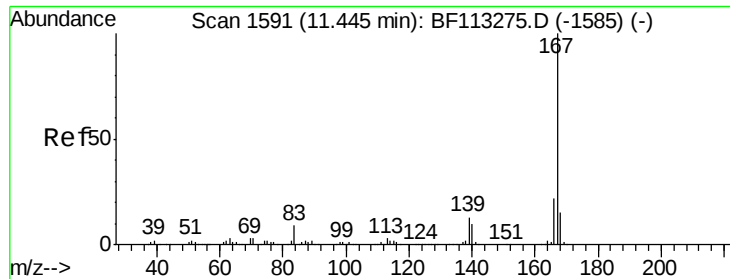
Sohil
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#72
Anthracene
Concen: 2.901 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF113340.D
Acq: 27 Mar 2019 19:39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	16.1	12.8	19.2





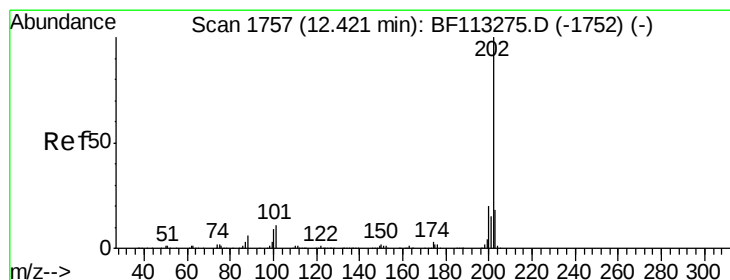
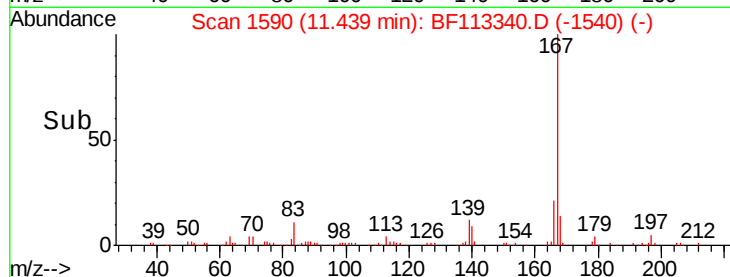
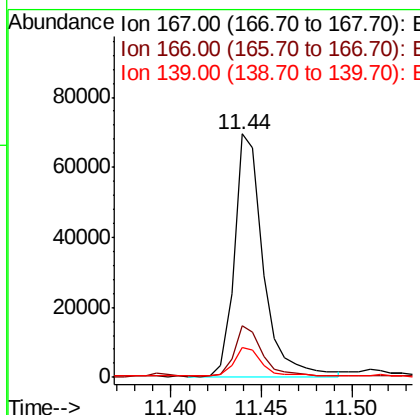
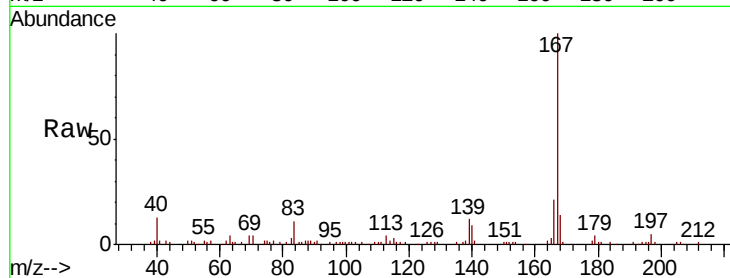
#73
 Carbazole
 Concen: 2.842 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF113340.D
 Acq: 27 Mar 2019 19:39

Instrument :
 BNA_F
 ClientSampleId :
 CS-19

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.4	26.0
139	12.3	10.4	15.6

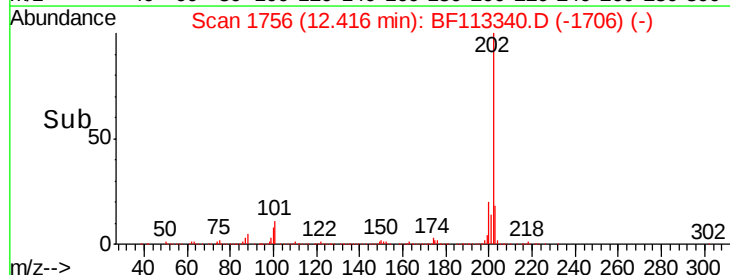
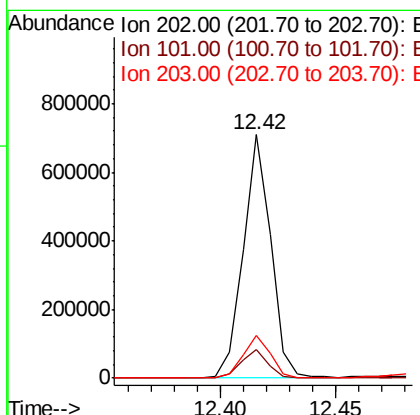
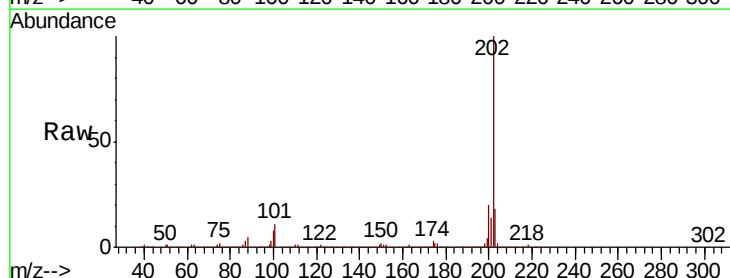
Manual Integrations
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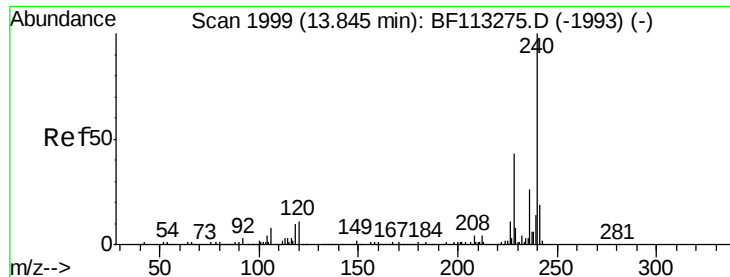
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#75
 Fluoranthene
 Concen: 18.652 ng
 RT: 12.42 min Scan# 1756
 Delta R.T. -0.01 min
 Lab File: BF113340.D
 Acq: 27 Mar 2019 19:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	31.4
203	17.7	0.0	38.0





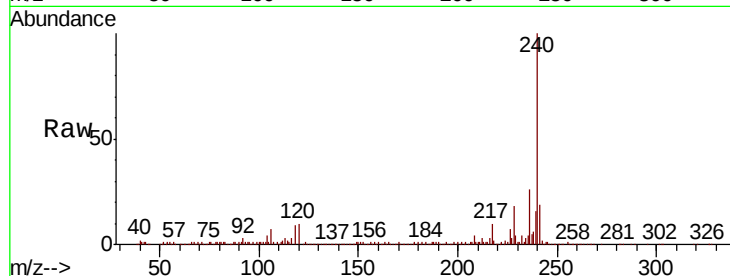
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF113340.D
Acq: 27 Mar 2019 19:39

Instrument :
BNA_F
ClientSampleId :
CS-19

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.9	8.8	13.2
236	25.7	20.9	31.3

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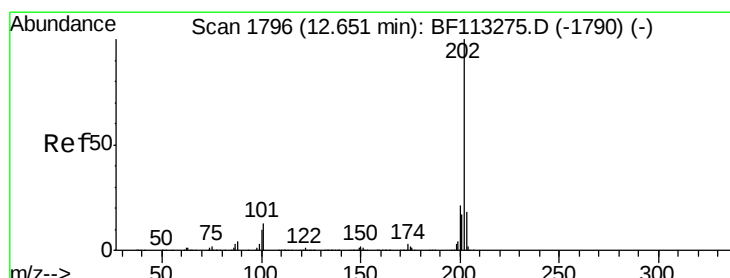
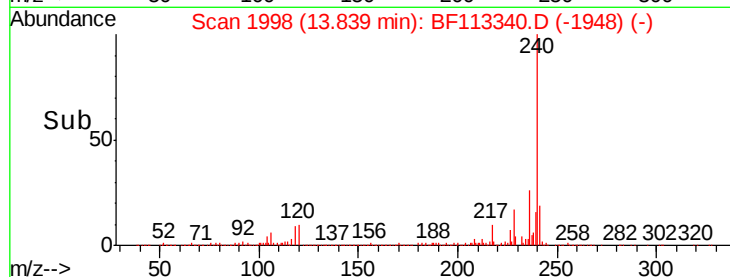
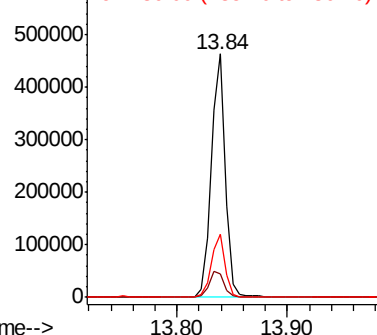


Abundance

Ion 240.00 (239.70 to 240.70): E

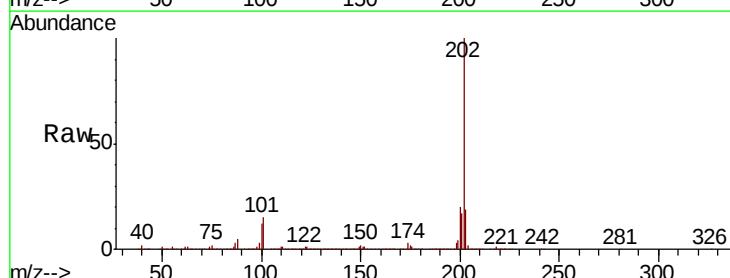
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 19.378 ng
RT: 12.64 min Scan# 1794
Delta R.T. -0.01 min
Lab File: BF113340.D
Acq: 27 Mar 2019 19:39

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.8	25.2
203	18.7	14.4	21.6

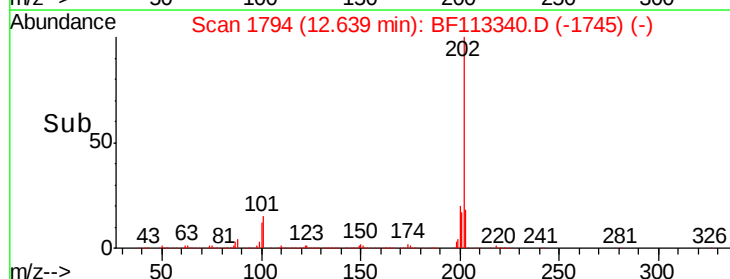
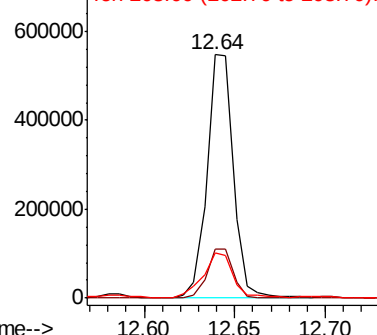


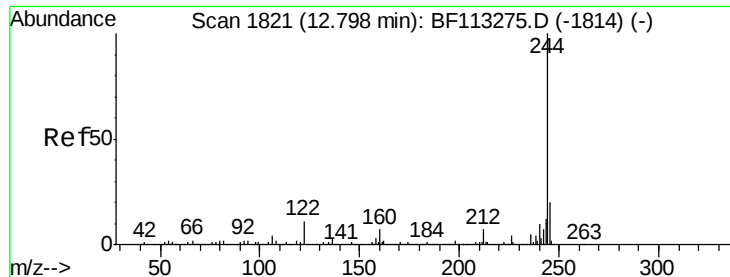
Abundance

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





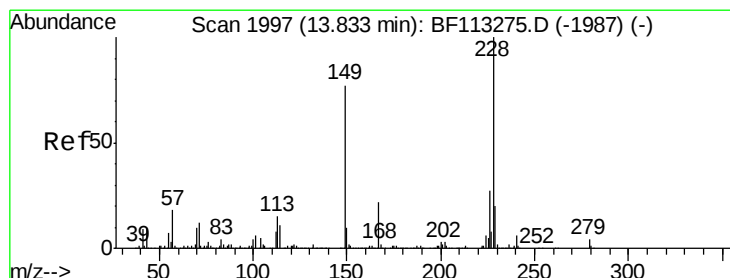
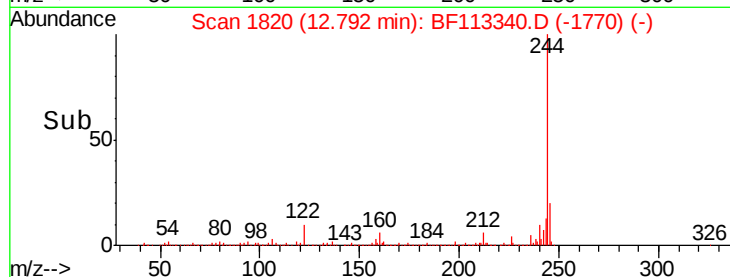
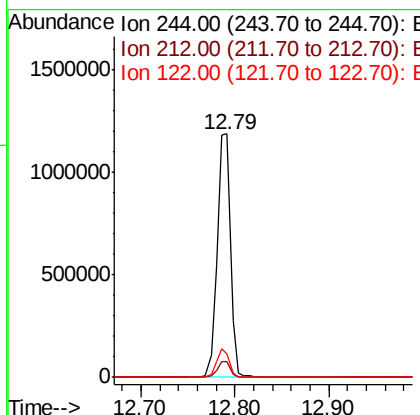
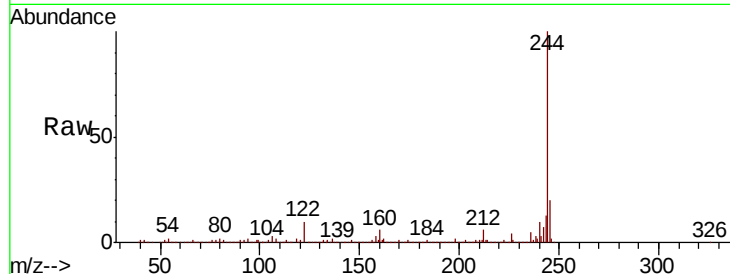
#79
 Terphenyl-d14
 Concen: 63.900 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.00 min
 Lab File: BF113340.D
 Acq: 27 Mar 2019 19:39

Instrument :
 BNA_F
 ClientSampleId :
 CS-19

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.5	8.3
122	9.7	8.6	13.0

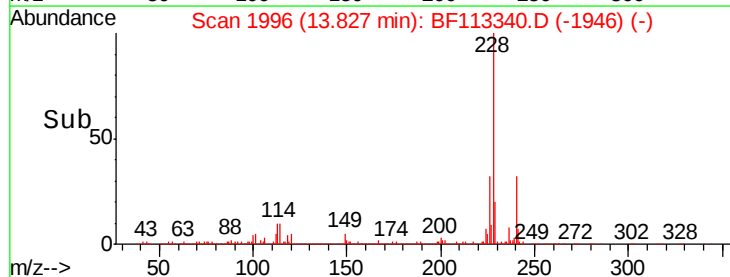
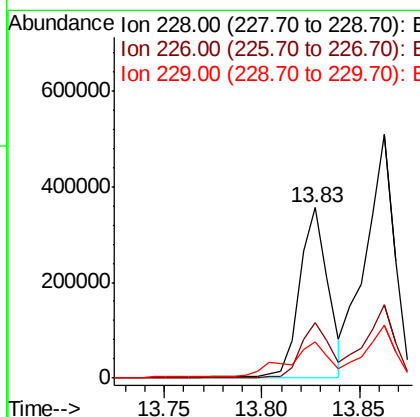
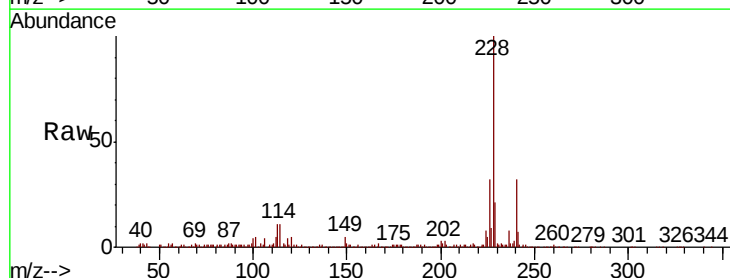
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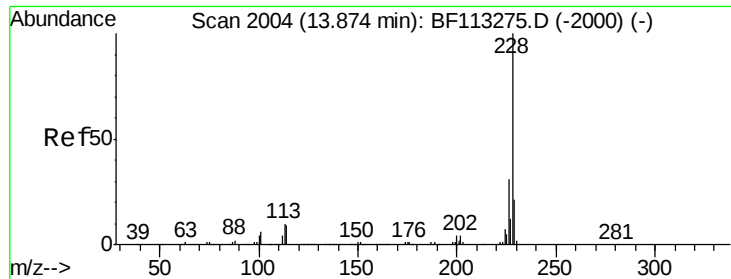
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#81
 Benzo(a)anthracene
 Concen: 15.257 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. -0.01 min
 Lab File: BF113340.D
 Acq: 27 Mar 2019 19:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.3	21.8	32.8
229	20.9	16.2	24.4





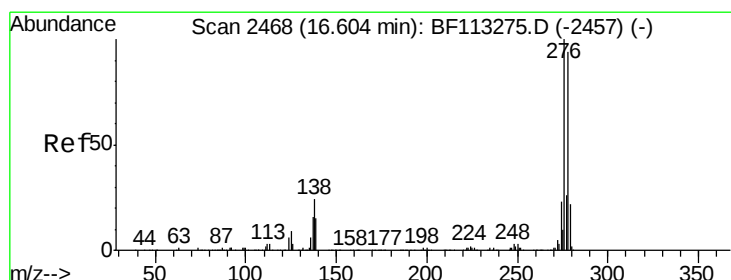
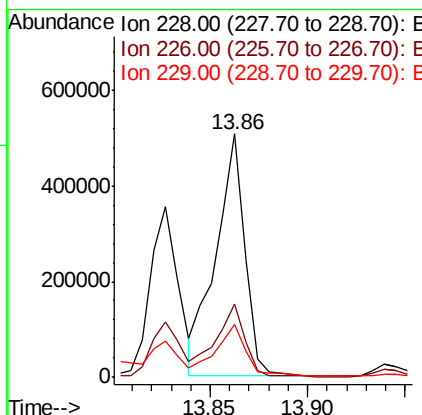
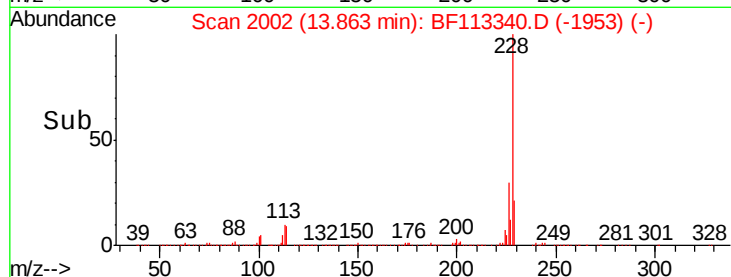
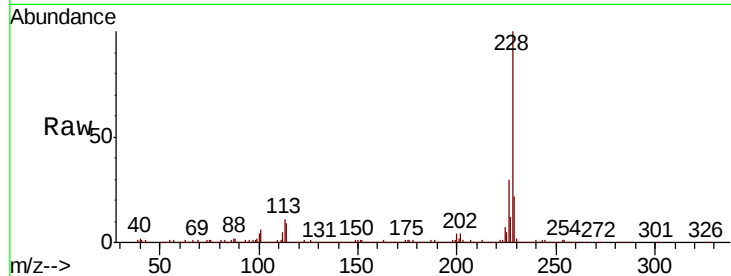
#83
Chrysene
Concen: 22.020 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113340.D
Acq: 27 Mar 2019 19:39

Instrument :
BNA_F
ClientSampleId :
CS-19

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.3	36.5
229	21.6	16.3	24.5

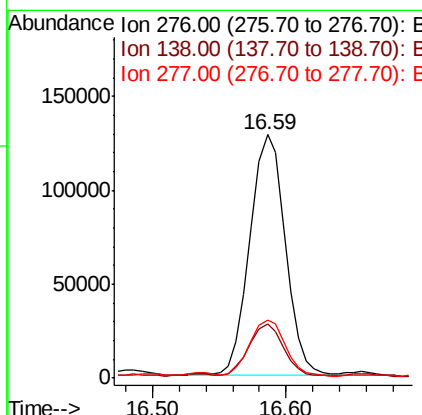
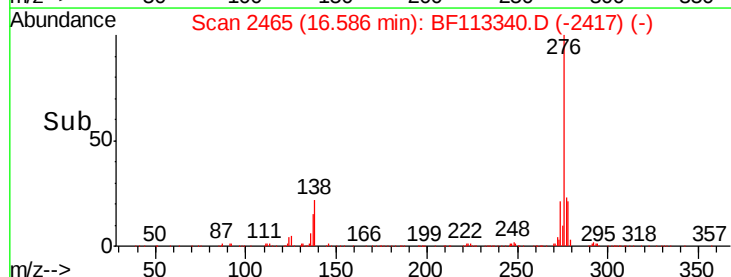
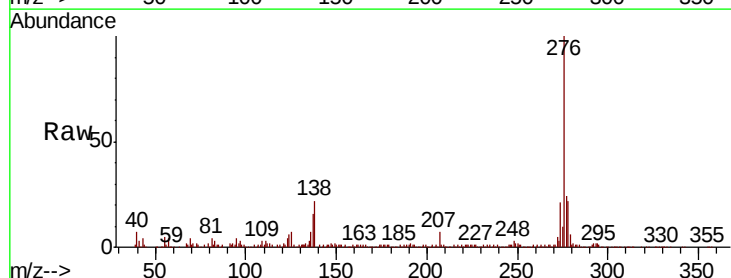
Manual Integrations
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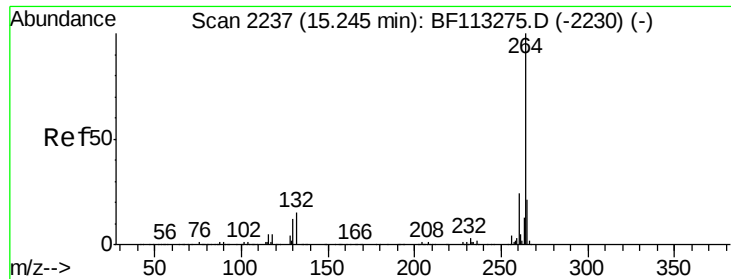
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 11.543 ng
RT: 16.59 min Scan# 2465
Delta R.T. -0.02 min
Lab File: BF113340.D
Acq: 27 Mar 2019 19:39

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.3	18.1	27.1
277	23.3	20.2	30.4





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2236

Delta R.T. -0.01 min

Lab File: BF113340.D

Acq: 27 Mar 2019 19:39

Instrument :

BNA_F

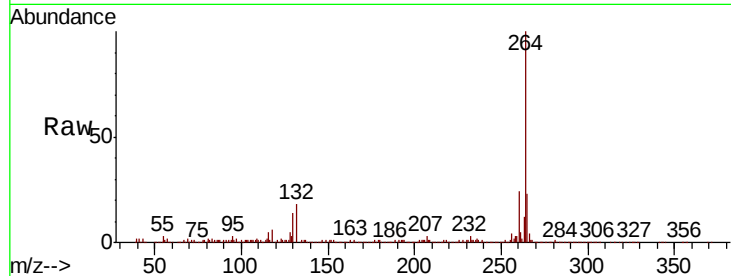
ClientSampleId :

CS-19

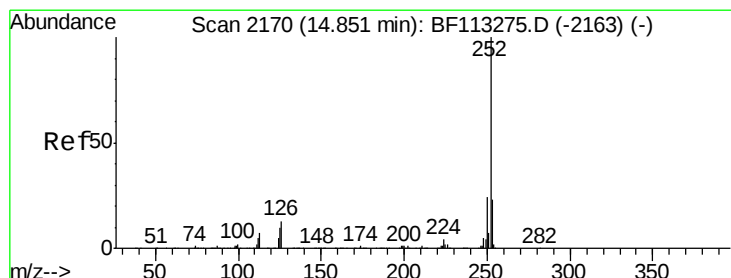
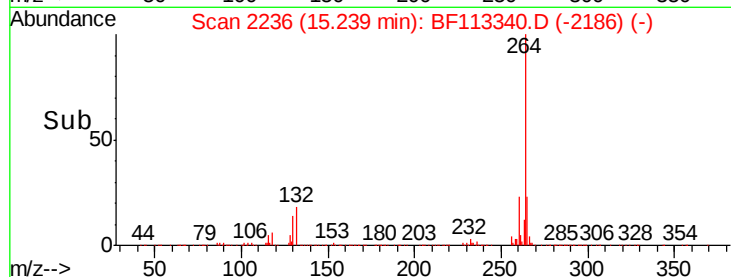
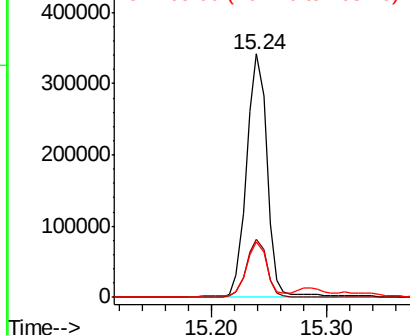
Tot Ion:	264	Resp:	422405
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.1	28.7
265	22.9	17.1	25.7

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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: 30.171 ng m

RT: 14.84 min Scan# 2169

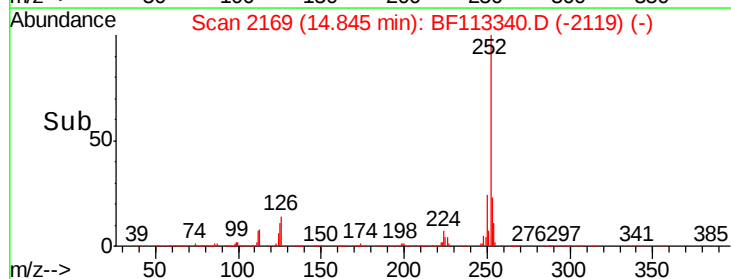
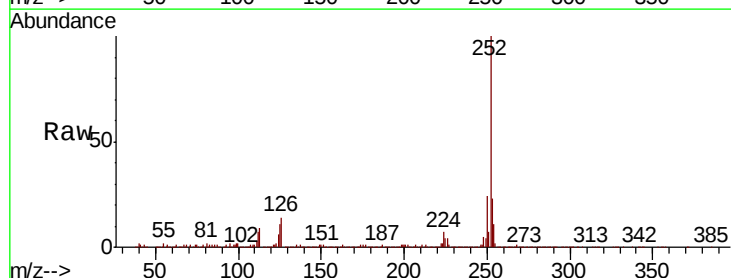
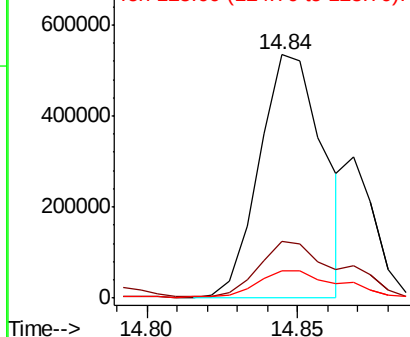
Delta R.T. -0.01 min

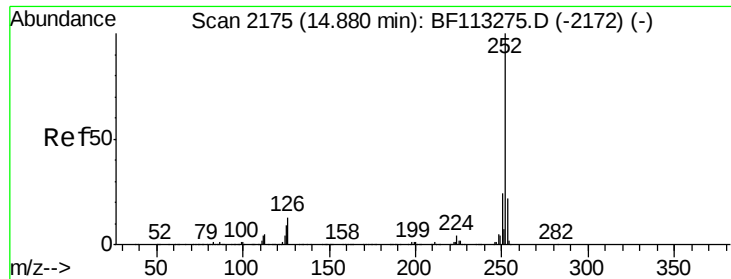
Lab File: BF113340.D

Acq: 27 Mar 2019 19:39

Tgt Ion:	252	Resp:	791667
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.0	27.0
125	11.4	7.6	11.4

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





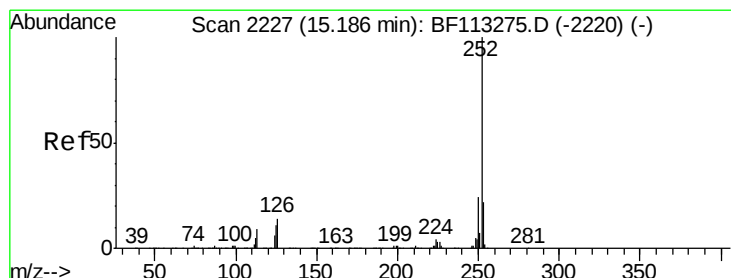
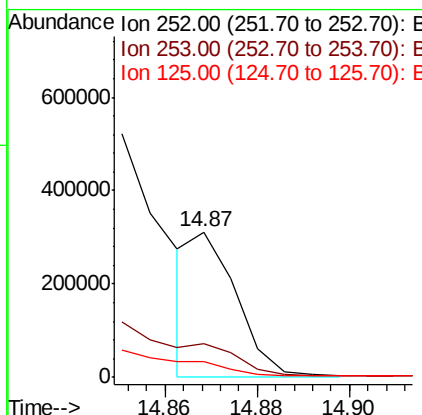
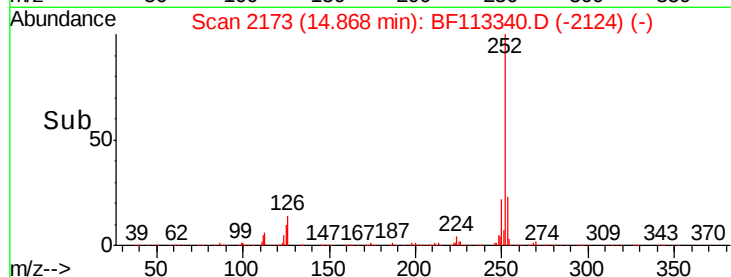
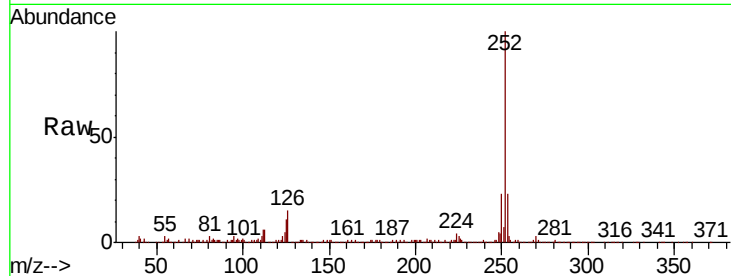
#89
Benzo(k)fluoranthene
Concen: 9.343 ng m
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF113340.D
Acq: 27 Mar 2019 19:39

Instrument :
BNA_F
ClientSampled :
CS-19

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.7	26.5
125	11.0	7.3	10.9

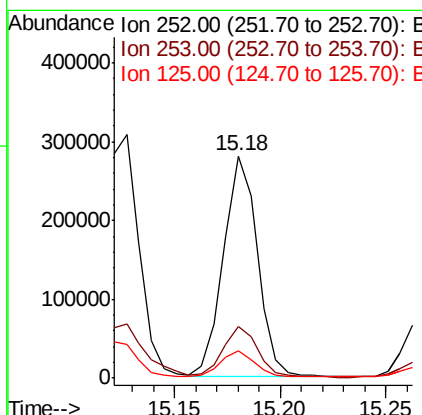
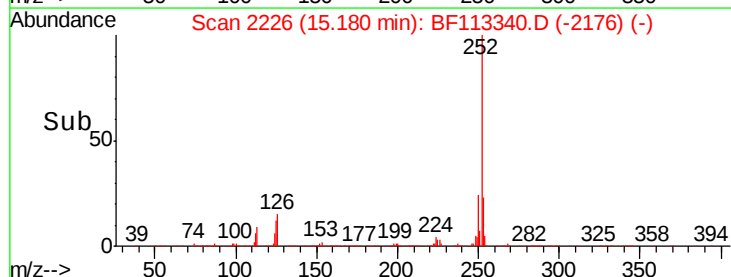
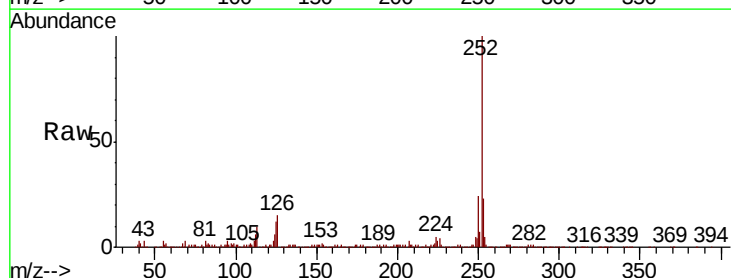
Manual Integrations
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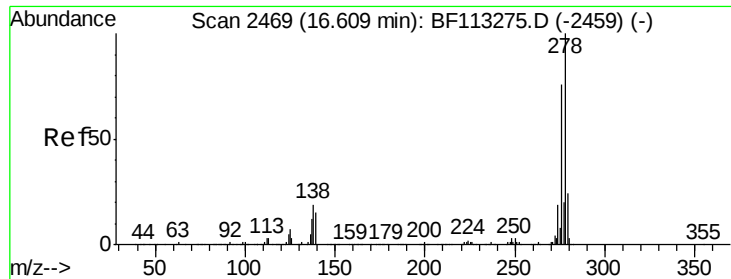
Sohil
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#90
Benzo(a)pyrene
Concen: 13.422 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF113340.D
Acq: 27 Mar 2019 19:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	12.2	8.8	13.2





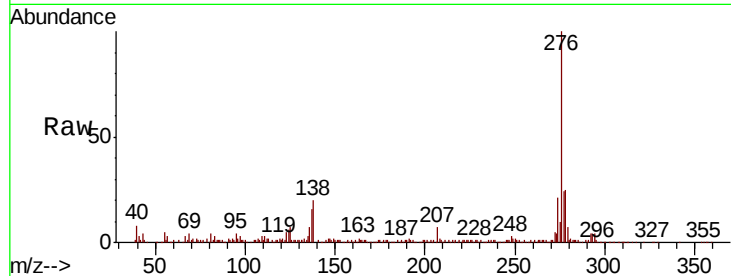
#91
Dibenzo(a,h)anthracene
Concen: 3.243 ng
RT: 16.59 min Scan# 2466
Delta R.T. -0.02 min
Lab File: BF113340.D
Acq: 27 Mar 2019 19:39

Instrument :
BNA_F
ClientSampleId :
CS-19

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.0	18.0#
279	29.4	19.0	28.6#

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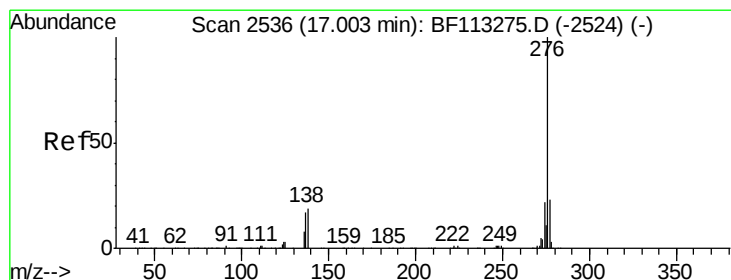
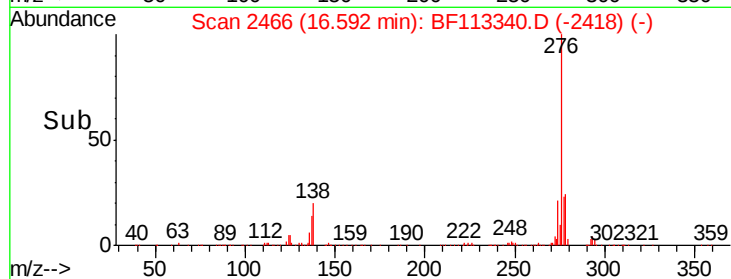
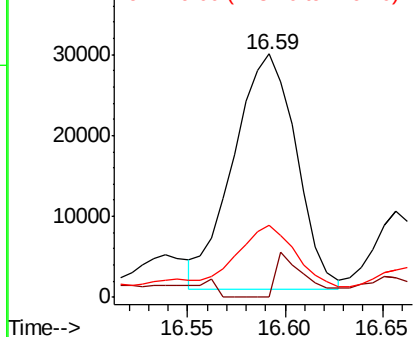


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 10.252 ng
RT: 16.99 min Scan# 2534
Delta R.T. -0.01 min
Lab File: BF113340.D
Acq: 27 Mar 2019 19:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.9	18.8	28.2
138	22.1	15.6	23.4

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

