

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090819\
 Data File : BF116886.D
 Acq On : 8 Sep 2019 23:08
 Operator : HP/JU
 Sample : K4636-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-20-COMP

Manual Integrations
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mohammad
 9/12/2019 9:26:16 AM

Quant Time: Sep 09 02:31:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	78838	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	324342	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	169065	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	274125	20.00	ng	-0.01
76) Chrysene-d12	13.99	240	166650	20.00	ng	0.00
87) Perylene-d12	15.45	264	193187	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	293855	60.38	ng	0.00
7) Phenol-d6	6.47	99	411966	64.47	ng	-0.01
23) Nitrobenzene-d5	7.40	82	247333	43.53	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	84642	74.89	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	466007	46.50	ng	-0.02
79) Terphenyl-d14	12.94	244	404972	44.95	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.48	94	14770	2.087	ng	97
50) Dimethylphthalate	9.59	163	59292	5.080	ng	99
52) Acenaphthene	9.90	154	20162	2.136	ng	95
58) Fluorene	10.42	166	26500	2.614	ng	96
71) Phenanthrene	11.38	178	415572	27.234	ng	99
72) Anthracene	11.43	178	98653	6.422	ng	97
73) Carbazole	11.59	167	43167	2.950	ng	99
75) Fluoranthene	12.57	202	603005	40.210	ng	98
78) Pyrene	12.80	202	541263	36.537	ng	99
81) Benzo(a)anthracene	13.98	228	236563	22.429	ng	97
83) Chrysene	14.02	228	216290	19.905	ng	98
84) Bis(2-ethylhexyl)phthalate	13.97	149	26904	3.025	ng	97
86) Indeno(1,2,3-cd)pyrene	16.90	276	166936	19.126	ng	96
88) Benzo(b)fluoranthene	15.03	252	316986m	27.140	ng	
89) Benzo(k)fluoranthene	15.05	252	90482m	8.496	ng	
90) Benzo(a)pyrene	15.39	252	226958	22.335	ng	98
91) Dibenzo(a,h)anthracene	16.90	278	42916	4.825	ng	# 81
92) Benzo(g,h,i)perylene	17.34	276	150620	16.604	ng	97

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



#1

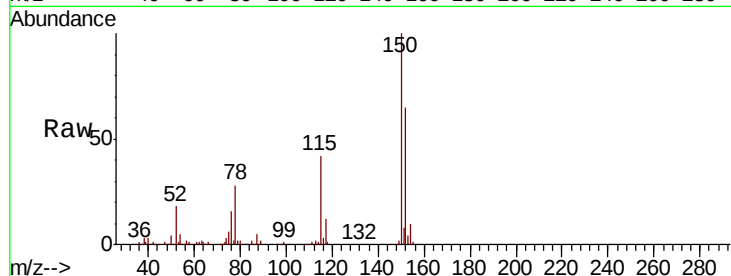
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116886.D
Acq: 8 Sep 2019 23:08

Instrument :
BNA_F
ClientSampleId :
SB-20-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	124.4	186.6
115	65.2	49.9	74.9

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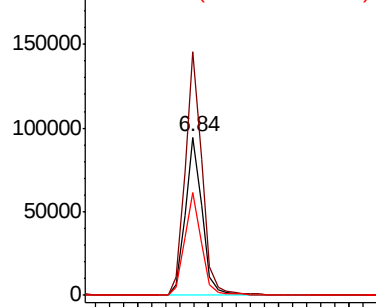


Abundance

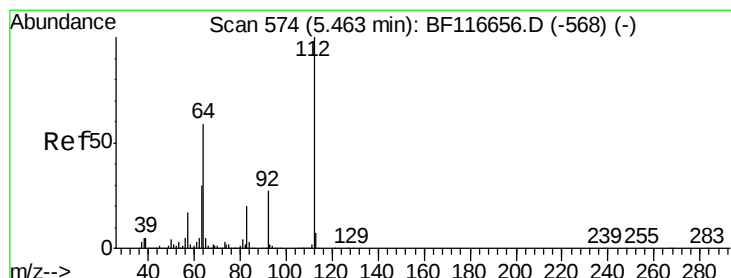
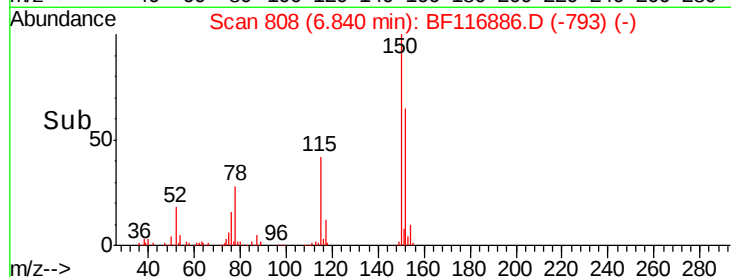
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



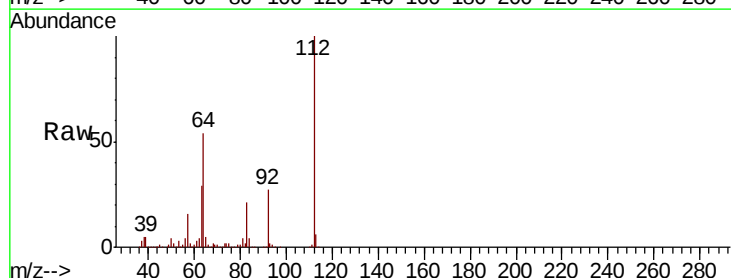
Time-->



#5

2-Fluorophenol
Concen: 60.385 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116886.D
Acq: 8 Sep 2019 23:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.1	47.1	70.7
63	29.2	24.9	37.3

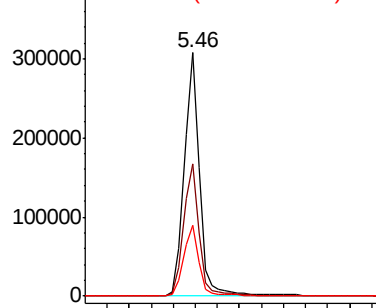


Abundance

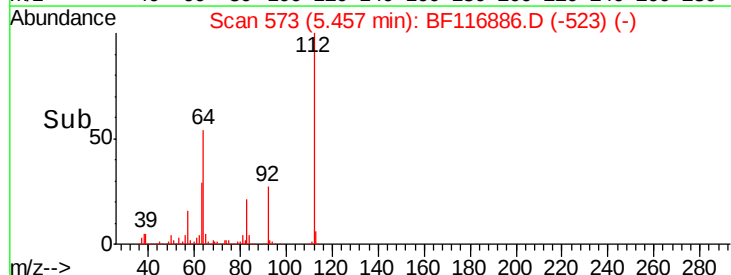
Ion 112.00 (111.70 to 112.70): E

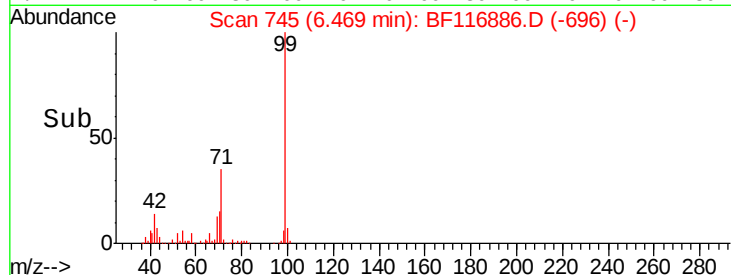
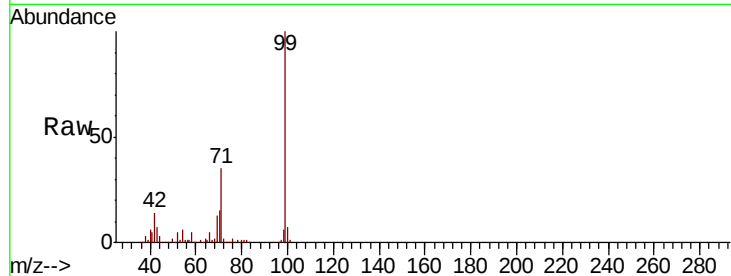
Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



Time-->





#7

Phenol-d6

Concen: 64.470 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF116886.D

Acq: 8 Sep 2019 23:08

Tot Ion:	99	Resp:	411966
Ion Ratio	Lower	Upper	
99	100		
42	14.5	13.7	20.5
71	35.4	30.8	46.2

Instrument :

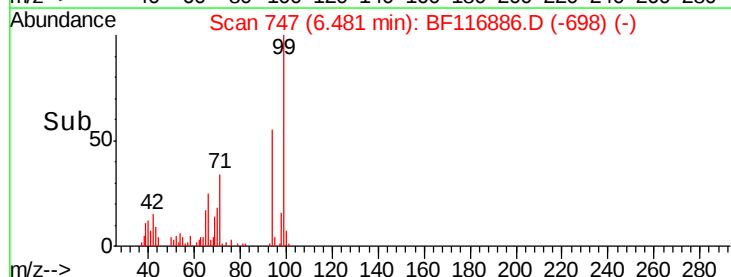
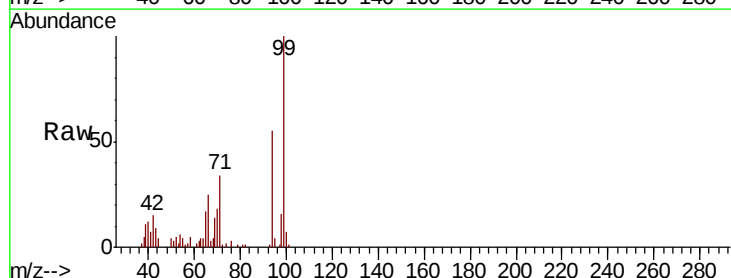
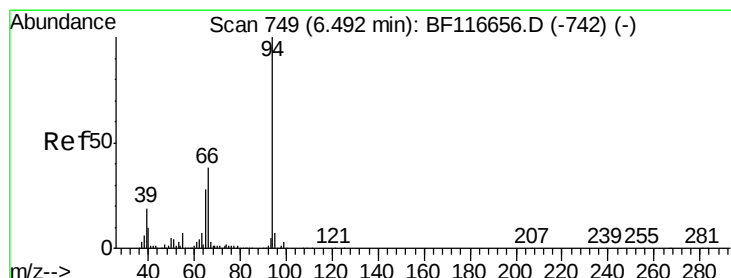
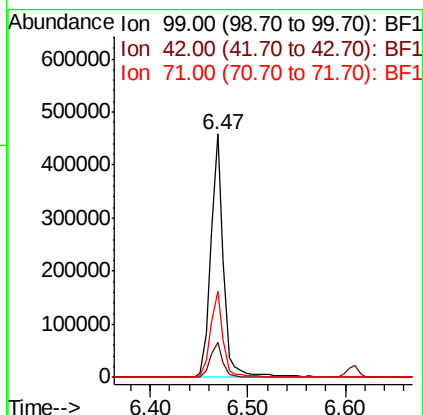
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#10

Phenol

Concen: 2.087 ng

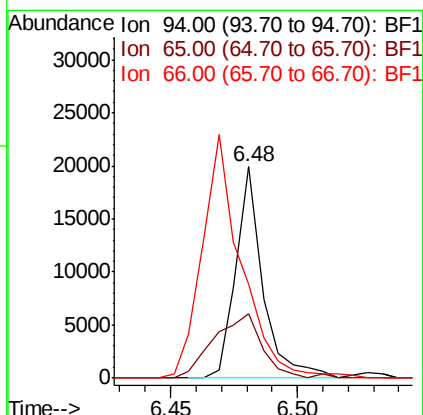
RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116886.D

Acq: 8 Sep 2019 23:08

Tgt Ion:	94	Resp:	14770
Ion Ratio	Lower	Upper	
94	100		
65	30.7	10.8	50.8
66	44.6	21.1	61.1





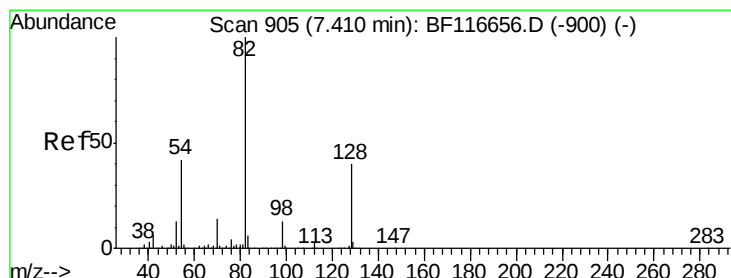
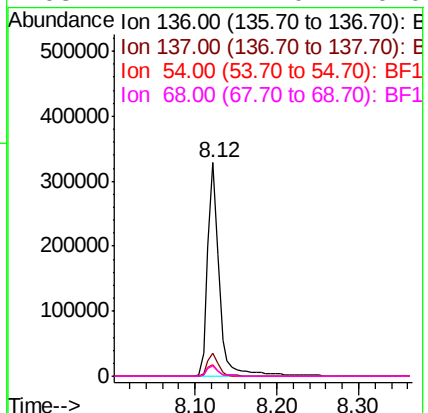
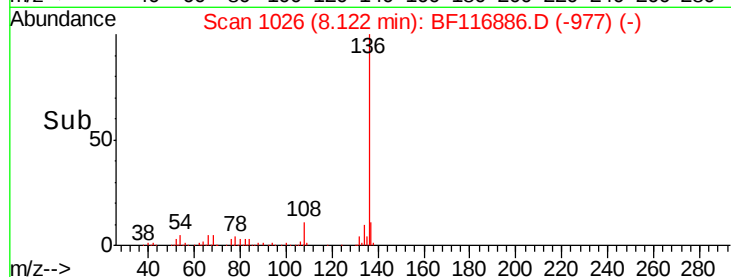
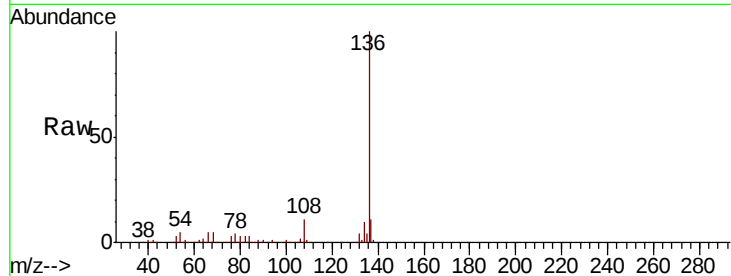
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF116886.D
Acq: 8 Sep 2019 23:08

Instrument :
BNA_F
ClientSampleId :
SB-20-COMP

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	8.9	13.3	
54	5.4	4.8	7.2	
68	4.7	4.0	6.0	

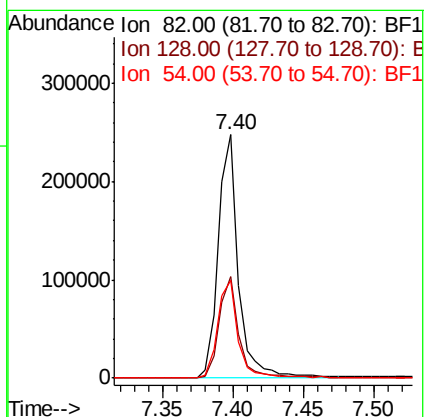
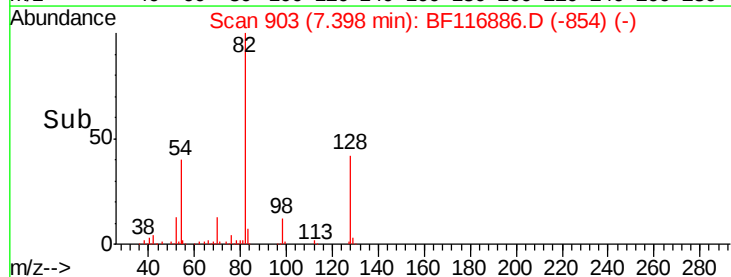
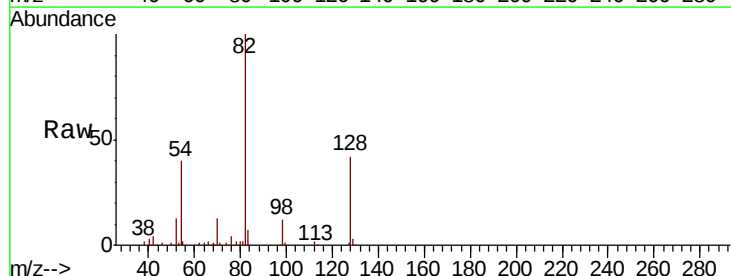
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#23
Nitrobenzene-d5
Concen: 43.533 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF116886.D
Acq: 8 Sep 2019 23:08

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	41.8	32.8	49.2	
54	39.9	36.9	55.3	





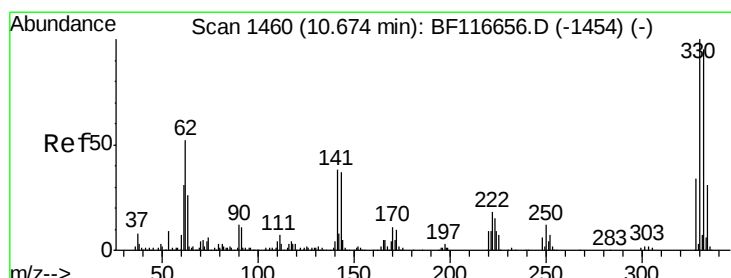
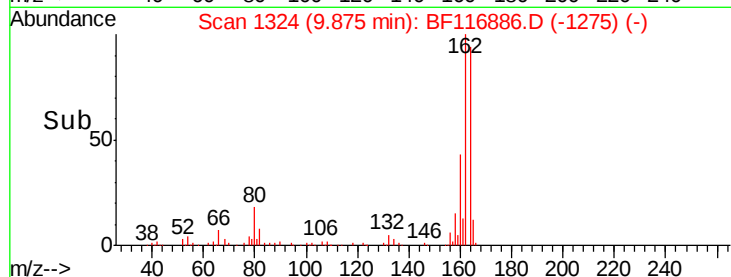
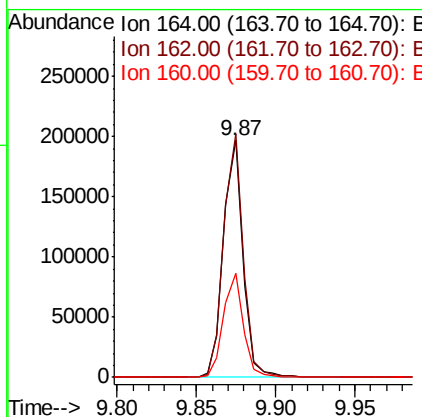
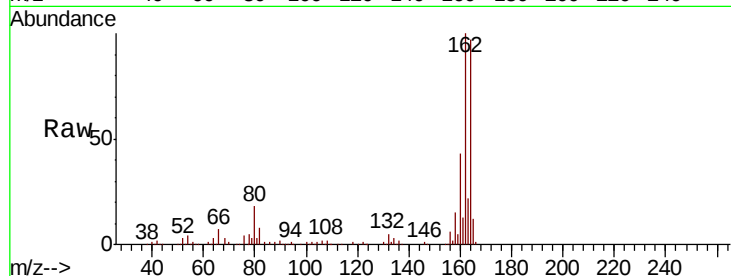
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF116886.D
Acq: 8 Sep 2019 23:08

Instrument :
BNA_F
ClientSampleId :
SB-20-COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100	169065		
162	102.9	81.4	122.0	
160	44.1	35.4	53.2	

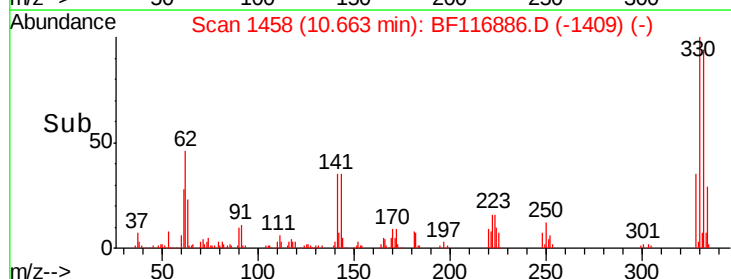
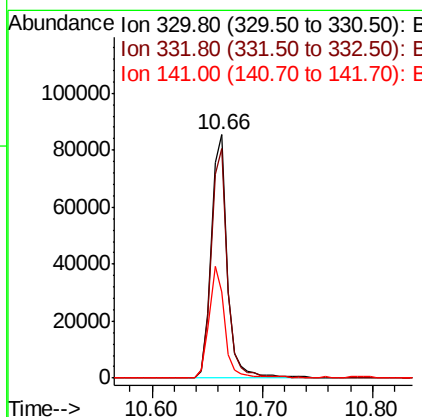
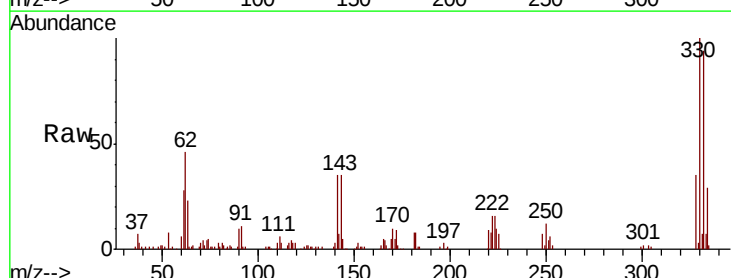
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#42
2,4,6-Tribromophenol
Concen: 74.889 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BF116886.D
Acq: 8 Sep 2019 23:08

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	84642		
332	94.8	76.9	115.3	
141	44.8	31.4	47.2	





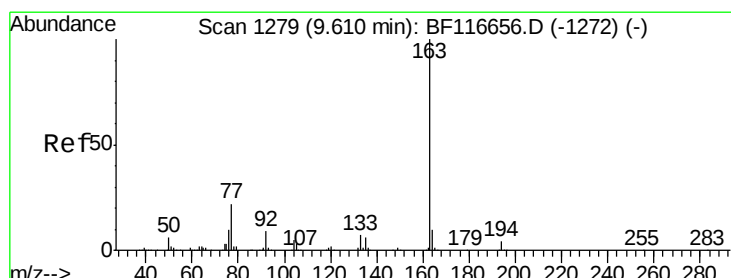
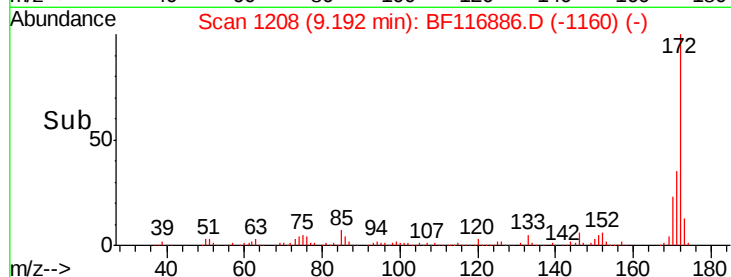
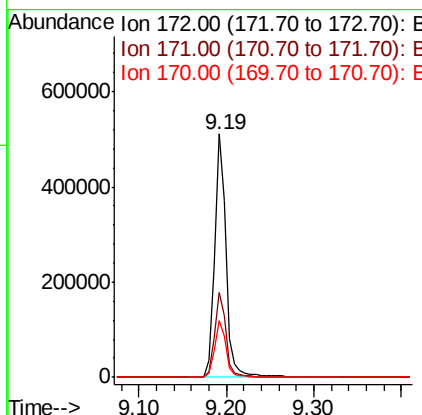
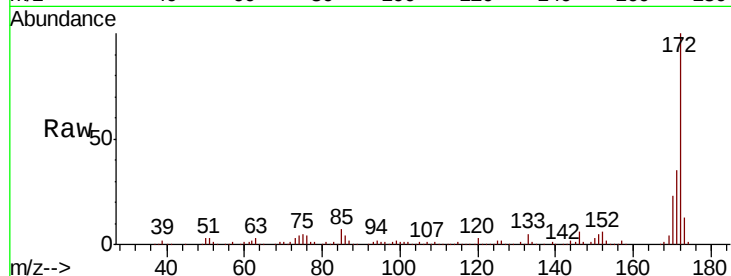
#45
2-Fluorobiphenyl
Concen: 46.497 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.02 min
Lab File: BF116886.D
Acq: 8 Sep 2019 23:08

Instrument :
BNA_F
ClientSampleId :
SB-20-COMP

Tot Ion	Ratio	Resp	Lower	Upper
172	100	466007		
171	34.8		27.8	41.6
170	23.4		18.9	28.3

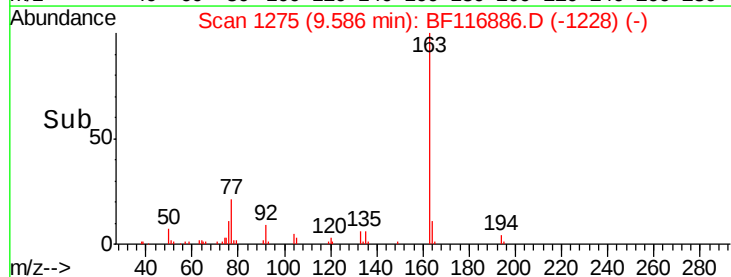
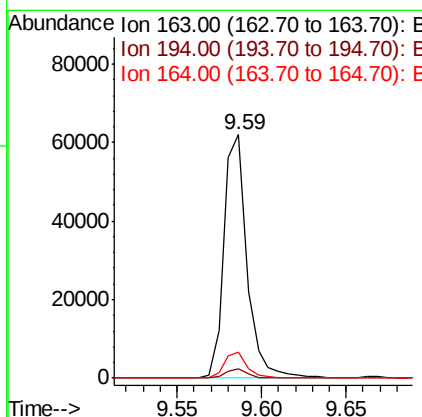
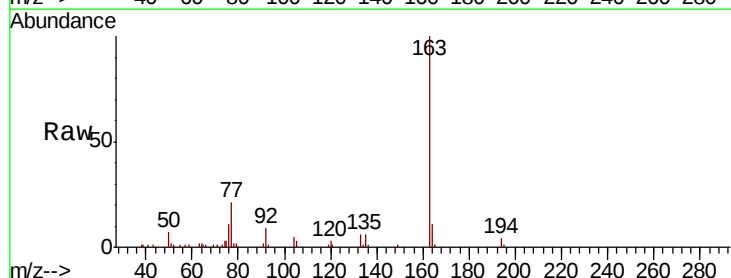
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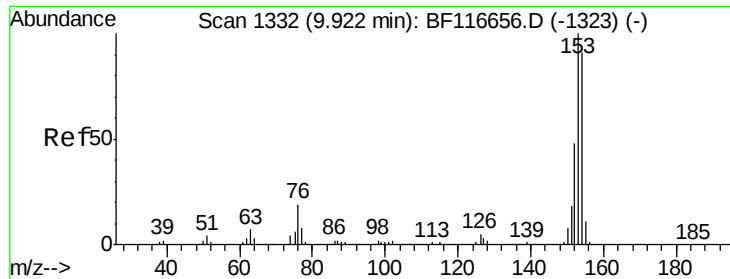
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#50
Dimethylphthalate
Concen: 5.080 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF116886.D
Acq: 8 Sep 2019 23:08

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	59292		
194	4.0		2.8	4.2
164	10.9		8.6	12.8





#52

Acenaphthene

Concen: 2.136 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.02 min

Lab File: BF116886.D

Acq: 8 Sep 2019 23:08

Instrument :

BNA_F

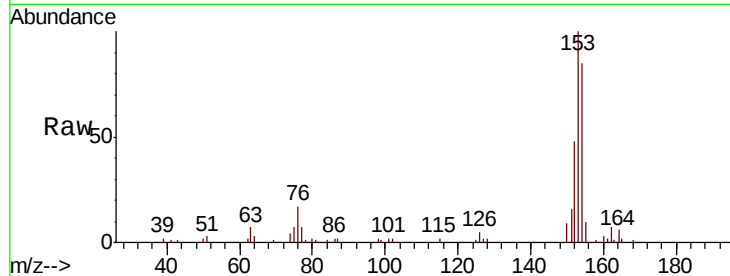
ClientSampleId :

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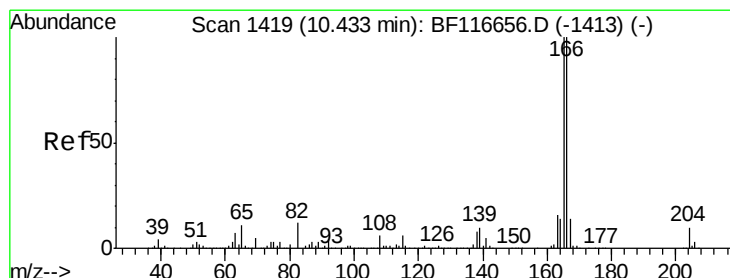
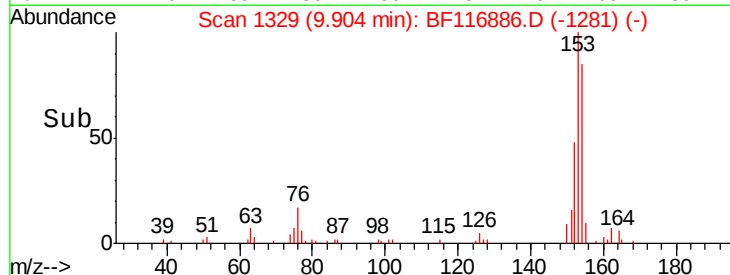
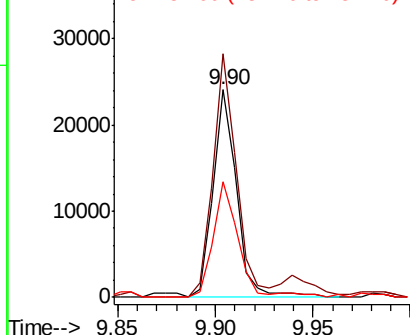
Tot Ion:	154	Resp:	20162
Ion Ratio	Lower	Upper	
154	100		
153	117.4	89.5	134.3
152	56.0	41.9	62.9

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#58

Fluorene

Concen: 2.614 ng

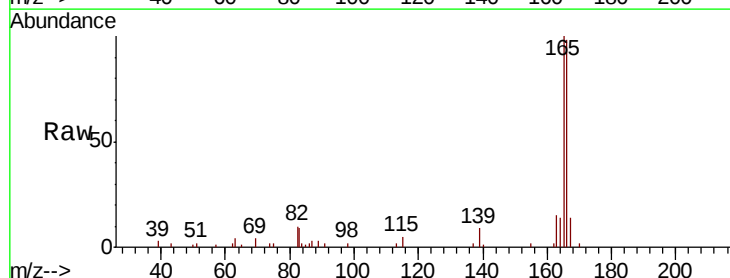
RT: 10.42 min Scan# 1417

Delta R.T. -0.01 min

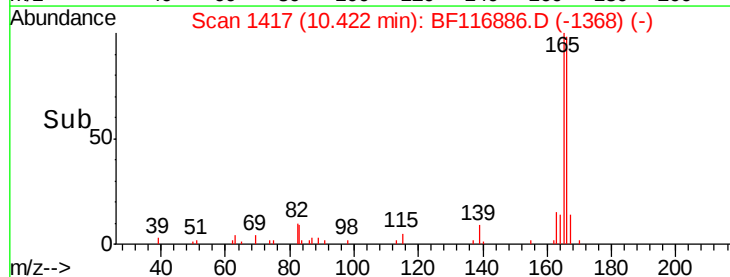
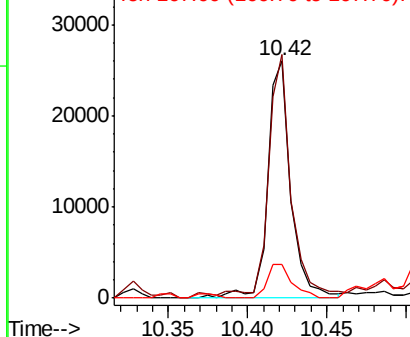
Lab File: BF116886.D

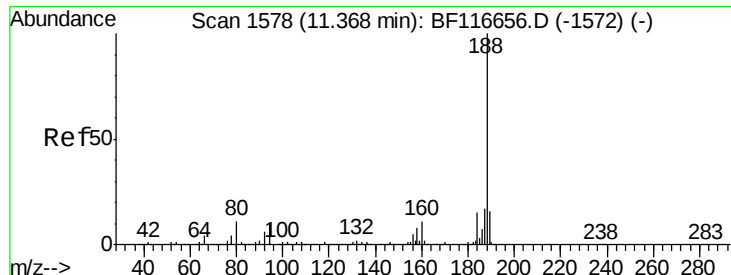
Acq: 8 Sep 2019 23:08

Tgt Ion:	166	Resp:	26500
Ion Ratio	Lower	Upper	
166	100		
165	102.5	78.8	118.2
167	14.0	10.0	15.0



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





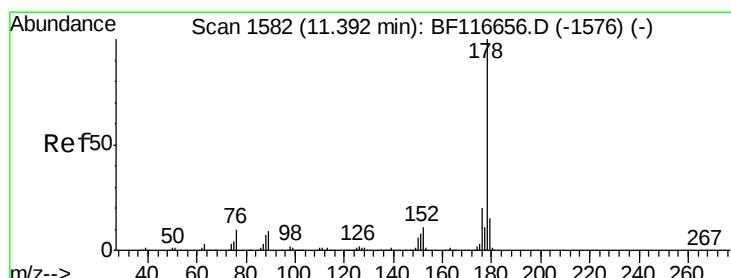
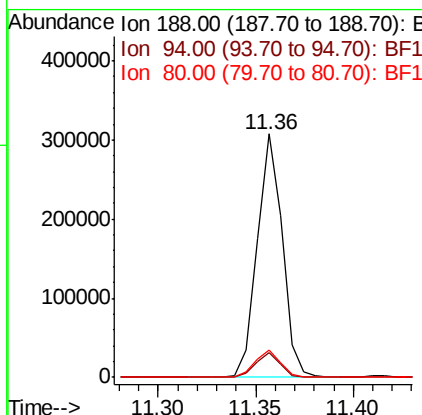
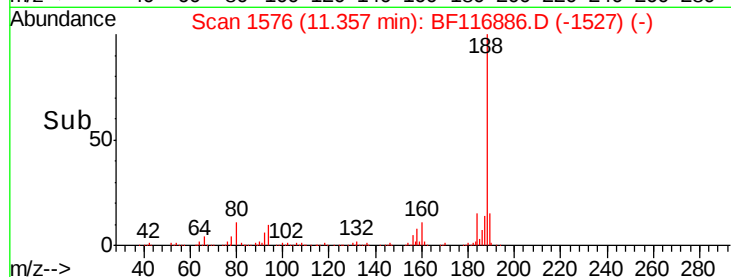
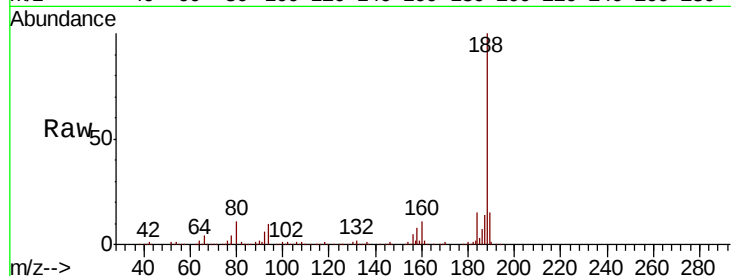
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF116886.D
Acq: 8 Sep 2019 23:08

Instrument :
BNA_F
ClientSampleId :
SB-20-COMP

Tot Ion:	188	Resp:	274125
Ion Ratio	Lower	Upper	
188	100		
94	10.1	7.3	10.9
80	11.4	8.4	12.6

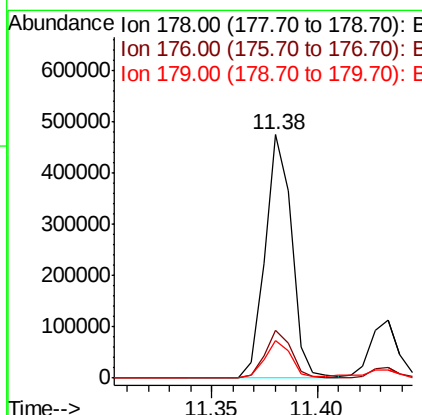
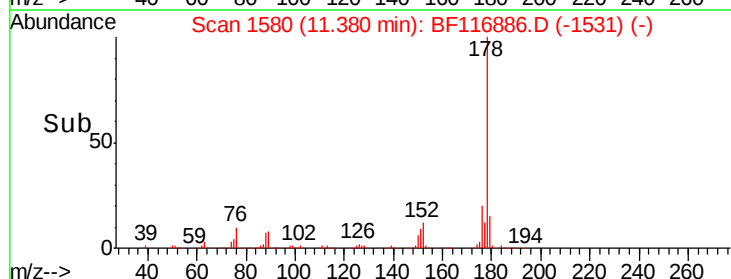
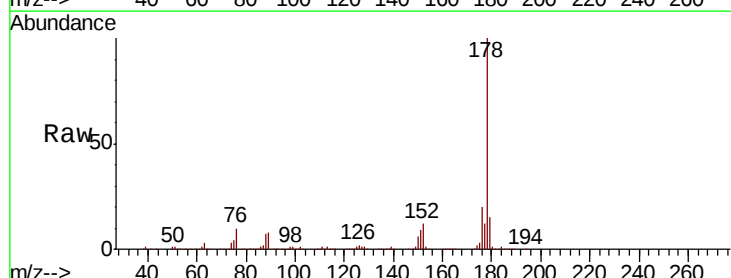
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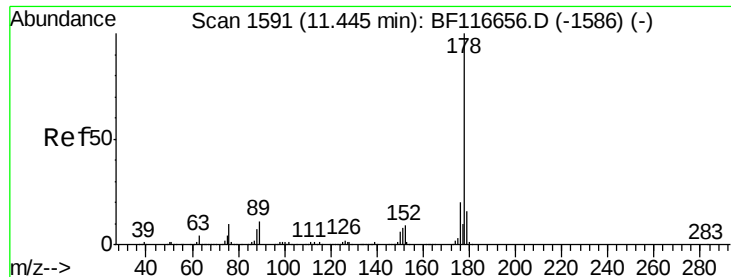
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#71
Phenanthrene
Concen: 27.234 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF116886.D
Acq: 8 Sep 2019 23:08

Tgt Ion:	178	Resp:	415572
Ion Ratio	Lower	Upper	
178	100		
176	19.8	15.4	23.0
179	15.5	12.2	18.2





#72

Anthracene

Concen: 6.422 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF116886.D

Acq: 8 Sep 2019 23:08

Instrument :

BNA_F

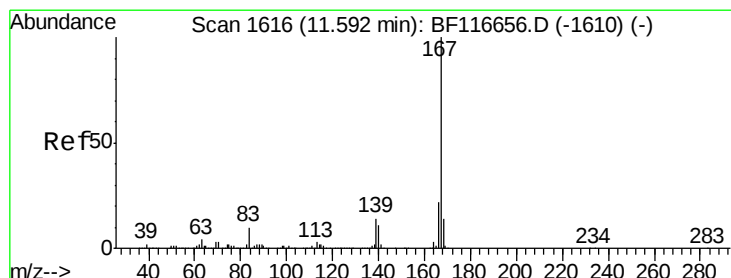
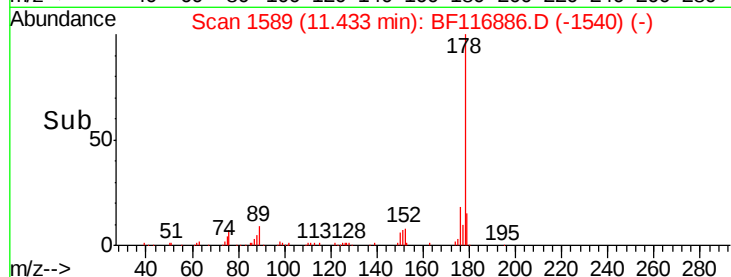
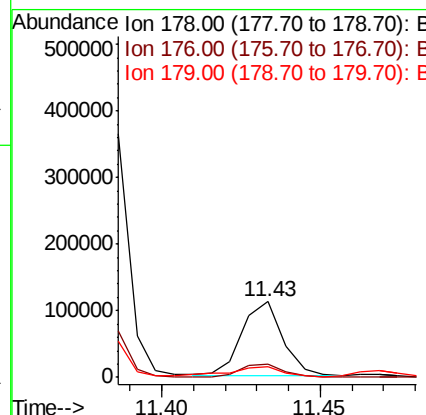
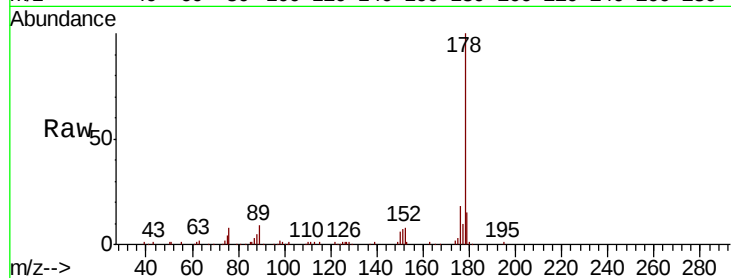
ClientSampleId :

SB-20-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.4	23.0
179	14.7	12.5	18.7

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#73

Carbazole

Concen: 2.950 ng

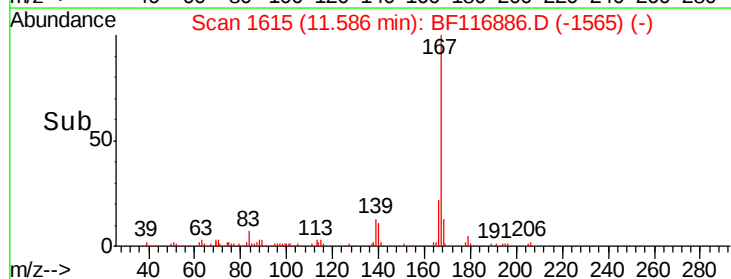
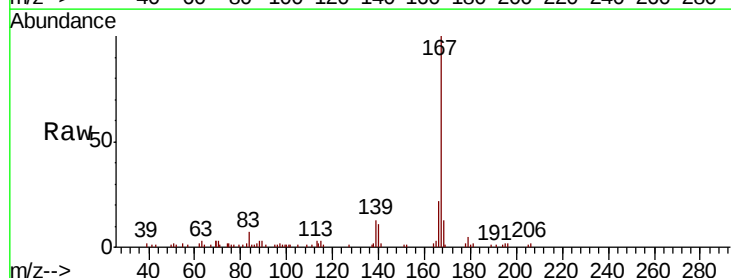
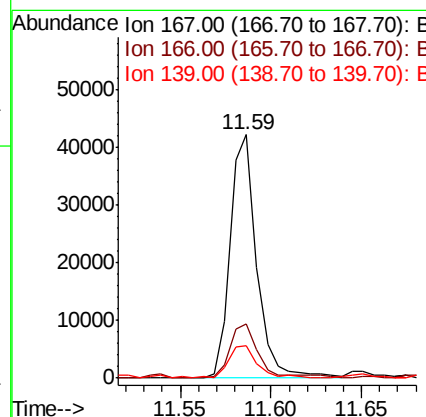
RT: 11.59 min Scan# 1615

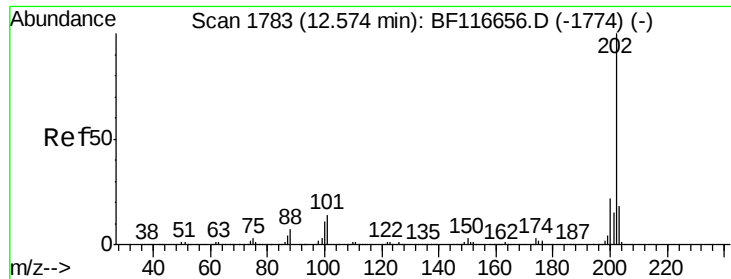
Delta R.T. -0.01 min

Lab File: BF116886.D

Acq: 8 Sep 2019 23:08

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.8	26.6
139	13.4	11.1	16.7





#75

Fluoranthene

Concen: 40.210 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BF116886.D

Acq: 8 Sep 2019 23:08

Instrument :

BNA_F

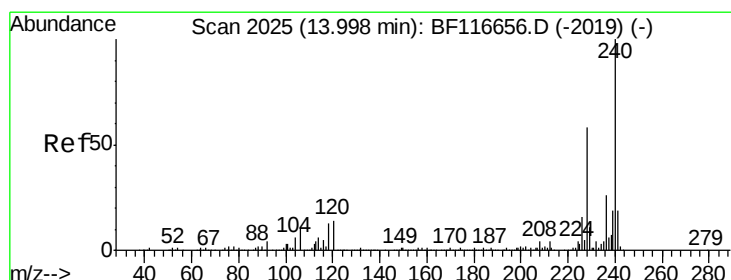
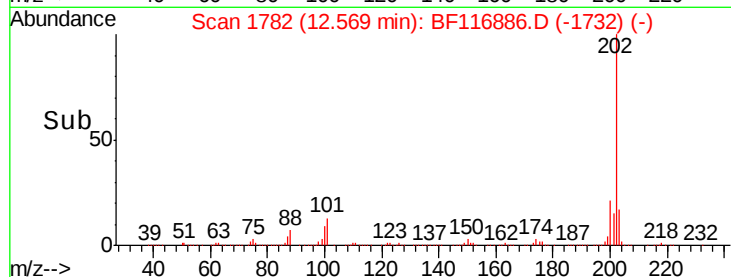
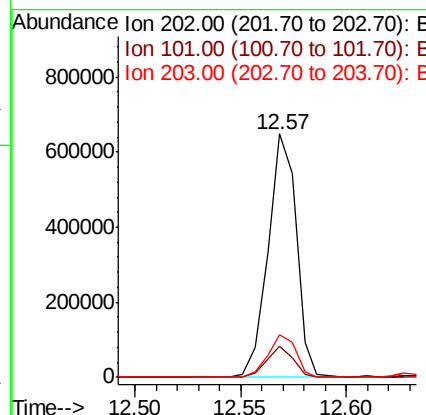
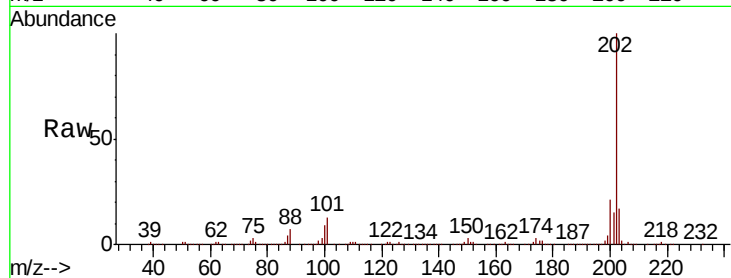
ClientSampleId :

SB-20-COMP

Tot Ion	Ratio	Resp	Lower	Upper
202	100	603005		
101	13.0	0.0	31.3	
203	17.4	0.0	37.6	

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#76

Chrysene-d12

Concen: 20.000 ng

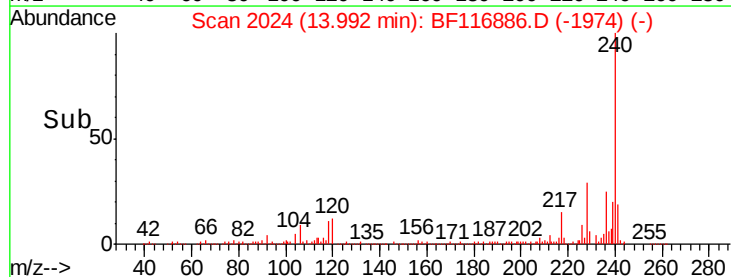
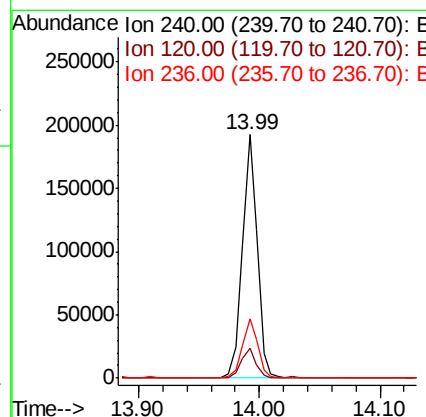
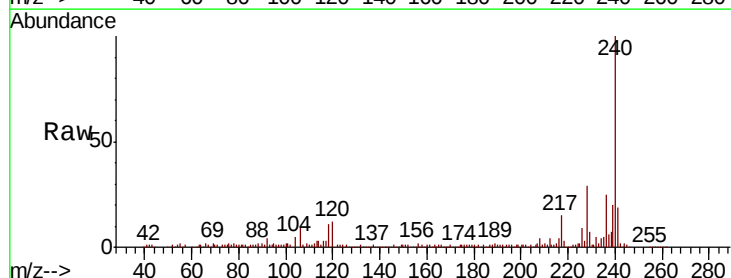
RT: 13.99 min Scan# 2024

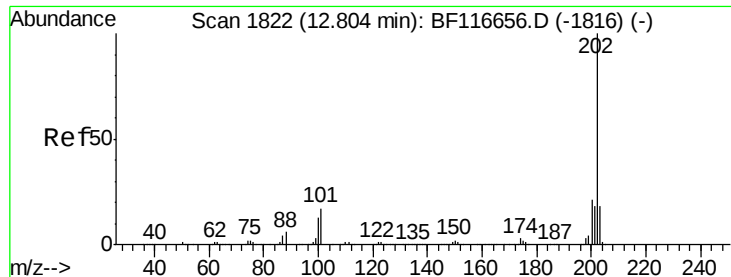
Delta R.T. -0.01 min

Lab File: BF116886.D

Acq: 8 Sep 2019 23:08

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	166650		
120	12.0	9.1	13.7	
236	24.6	21.1	31.7	





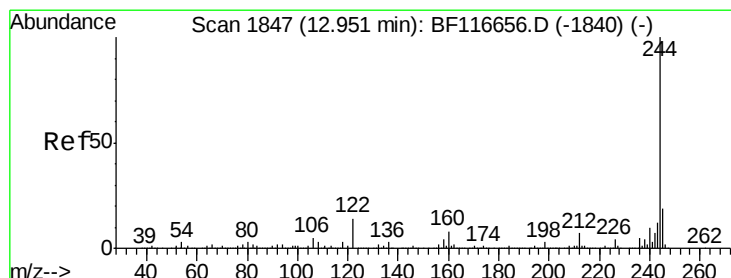
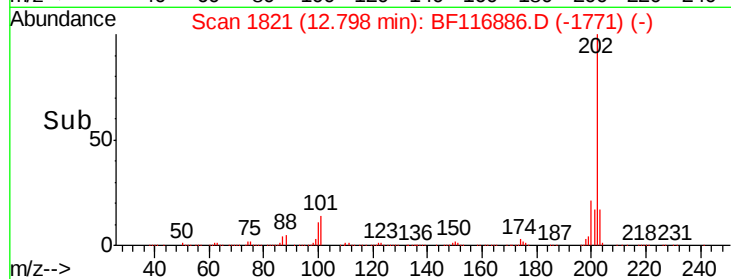
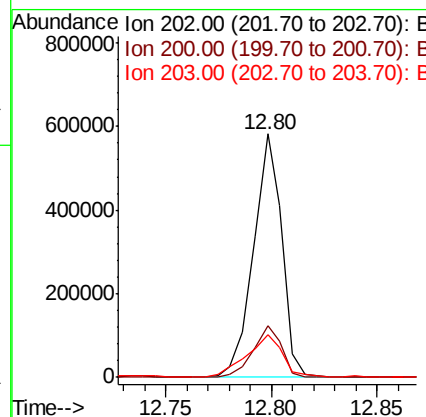
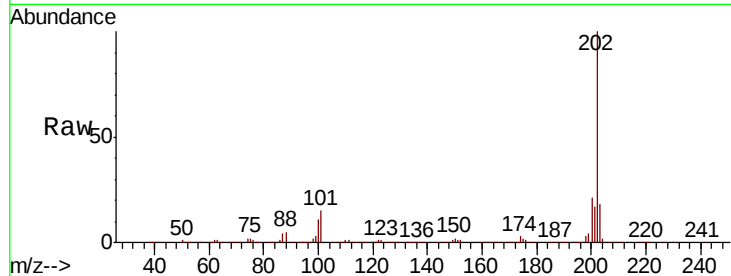
#78
Pvrene
Concen: 36.537 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF116886.D
Acq: 8 Sep 2019 23:08

Instrument :
BNA_F
ClientSampleId :
SB-20-COMP

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.0	16.5	24.7
203	17.5	13.7	20.5

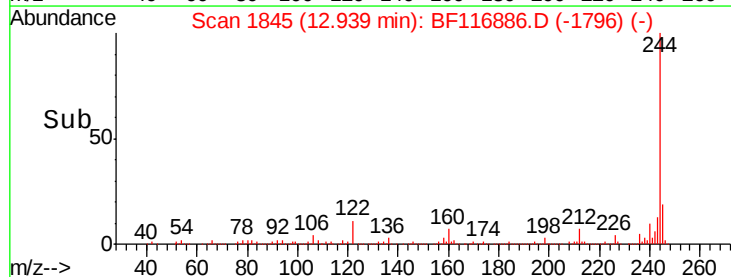
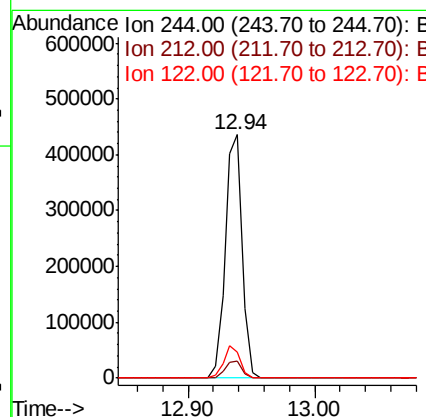
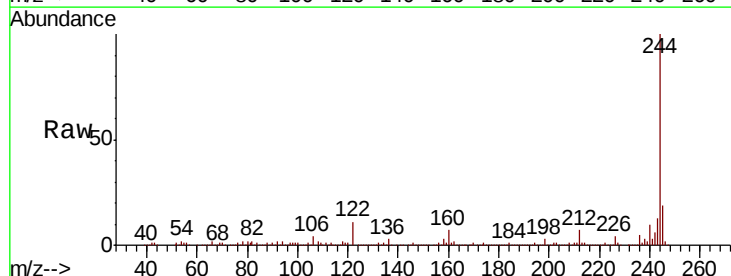
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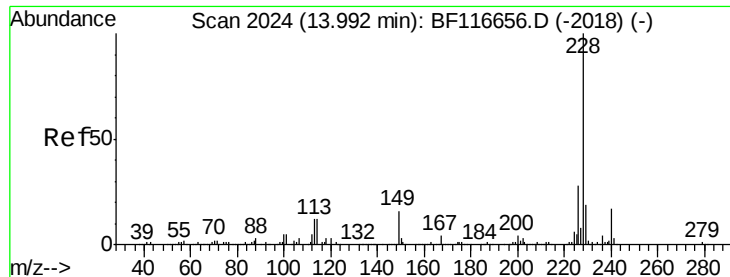
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#79
Terphenyl-d14
Concen: 44.955 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF116886.D
Acq: 8 Sep 2019 23:08

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.8	6.1	9.1
122	10.6	10.2	15.4





#81

Benzo(a)anthracene

Concen: 22.429 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF116886.D

Acq: 8 Sep 2019 23:08

Instrument :

BNA_F

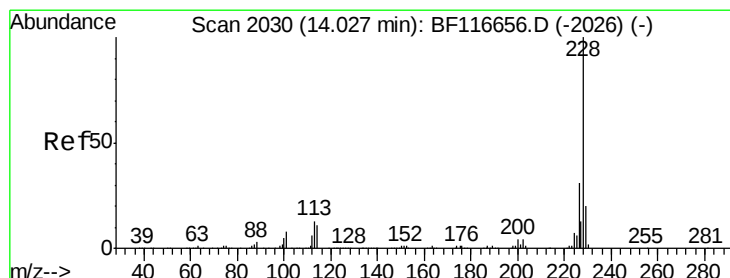
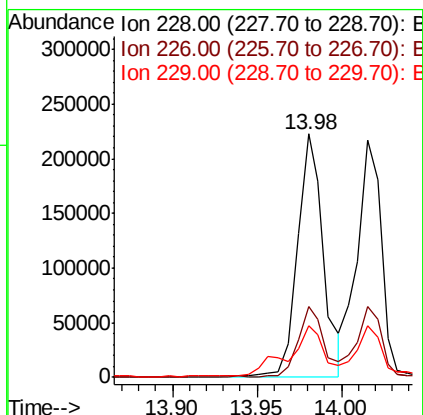
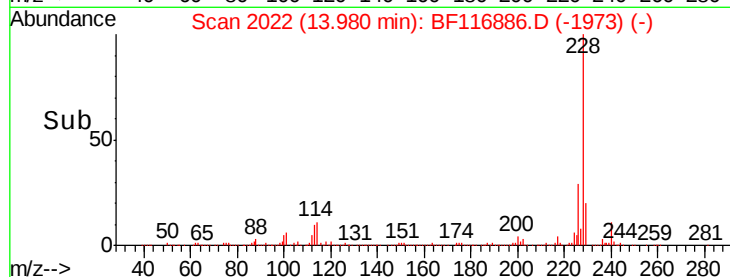
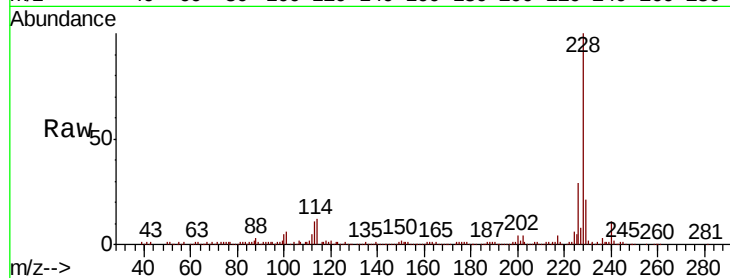
ClientSampleId :

SB-20-COMP

Tot Ion:	228	Resp:	236563
Ion Ratio	Lower	Upper	
228	100		
226	29.3	22.0	33.0
229	21.1	16.4	24.6

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#83

Chrysene

Concen: 19.905 ng

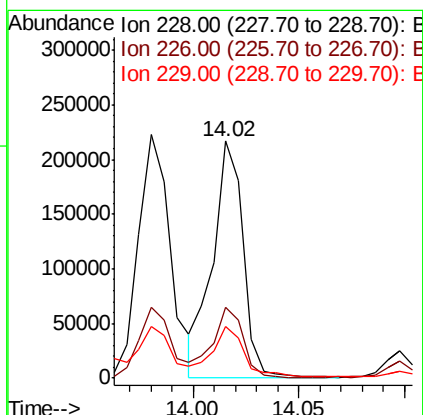
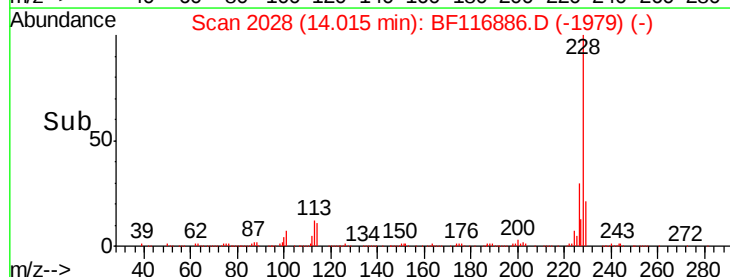
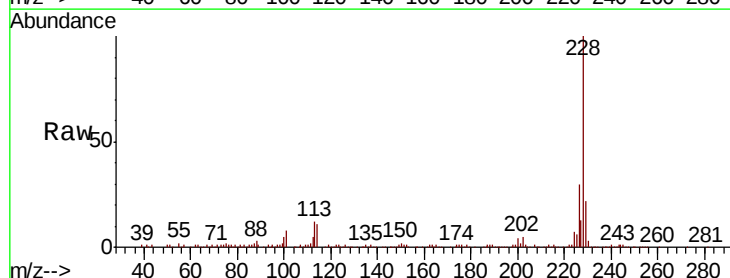
RT: 14.02 min Scan# 2028

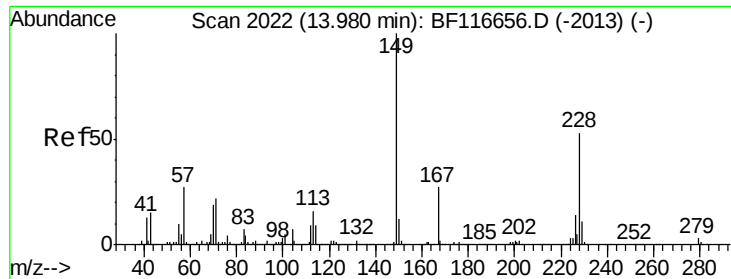
Delta R.T. -0.01 min

Lab File: BF116886.D

Acq: 8 Sep 2019 23:08

Tgt Ion:	228	Resp:	216290
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.0	36.0
229	21.6	15.4	23.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.025 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF116886.D

Acq: 8 Sep 2019 23:08

Instrument :

BNA_F

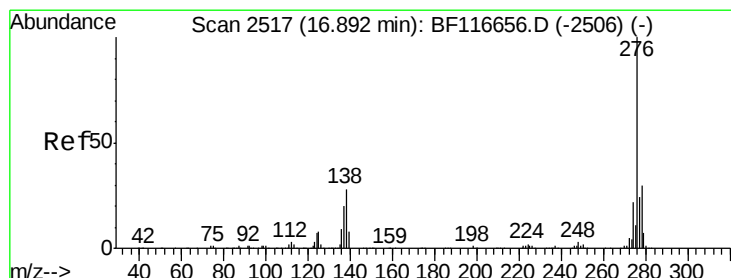
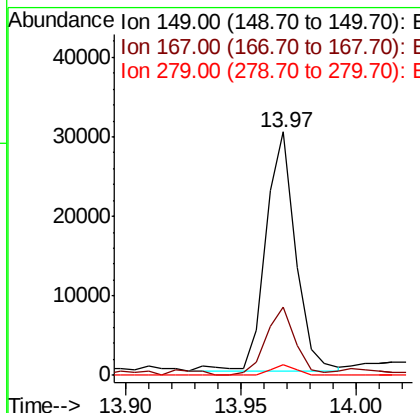
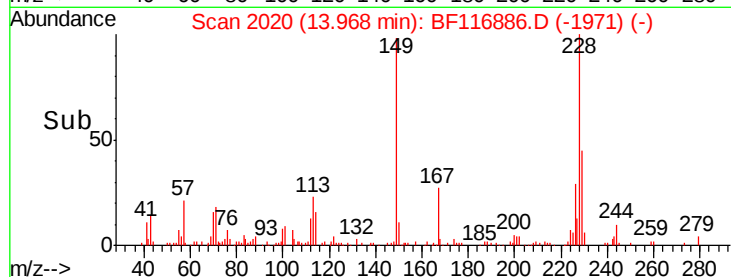
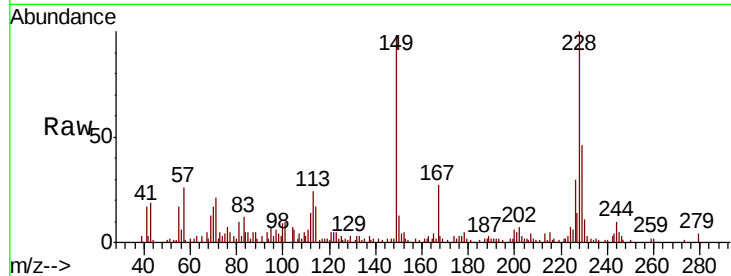
ClientSampleId :

SB-20-COMP

Tot Ion:	149	Resp:	26904
Ion Ratio	Lower	Upper	
149	100		
167	27.9	21.0	31.4
279	4.2	2.8	4.2

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#86

Indeno(1,2,3-cd)pyrene

Concen: 19.126 ng

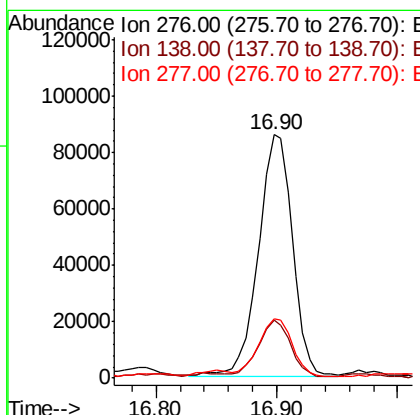
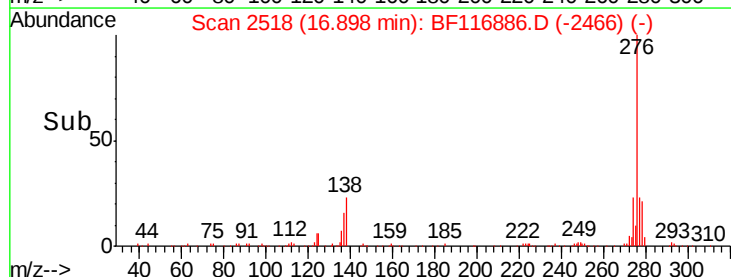
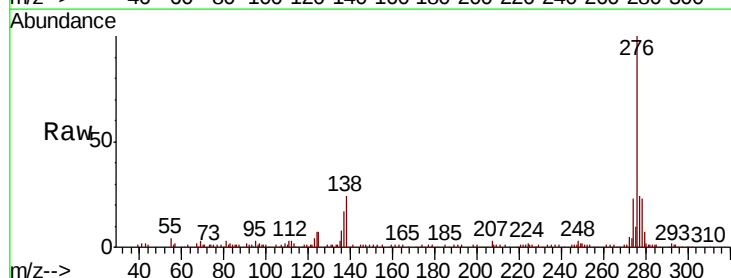
RT: 16.90 min Scan# 2518

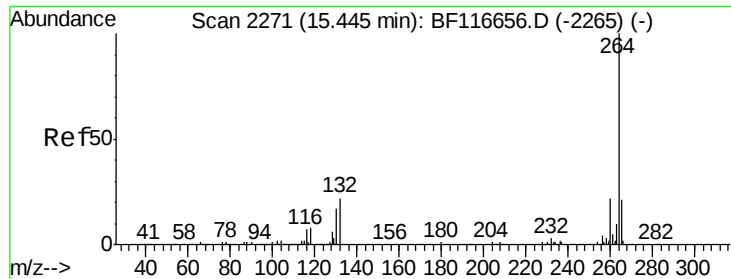
Delta R.T. 0.01 min

Lab File: BF116886.D

Acq: 8 Sep 2019 23:08

Tgt Ion:	276	Resp:	166936
Ion Ratio	Lower	Upper	
276	100		
138	22.1	19.4	29.2
277	23.8	20.5	30.7





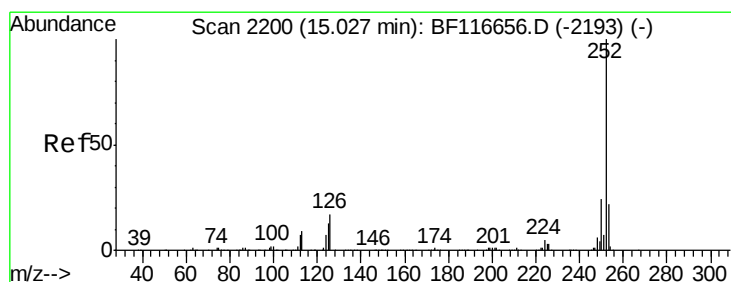
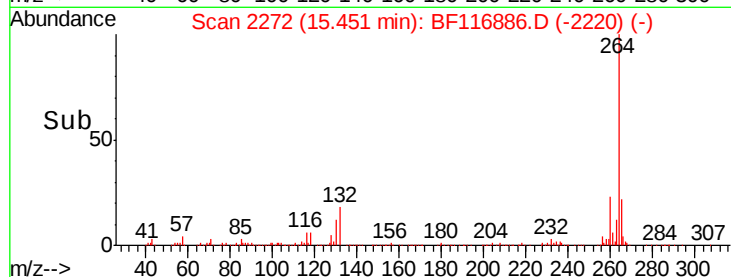
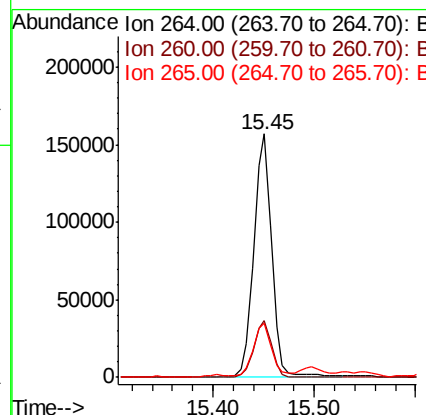
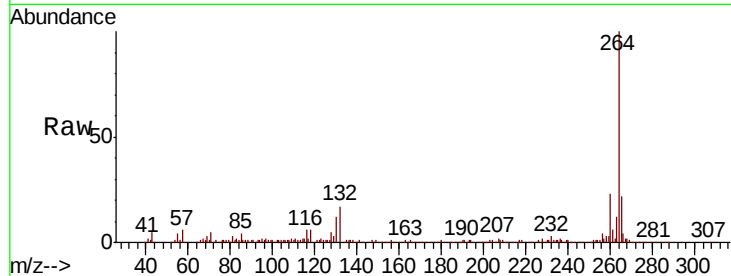
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF116886.D
Acq: 8 Sep 2019 23:08

Instrument :
BNA_F
ClientSampleId :
SB-20-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.3	27.5
265	22.3	16.5	24.7

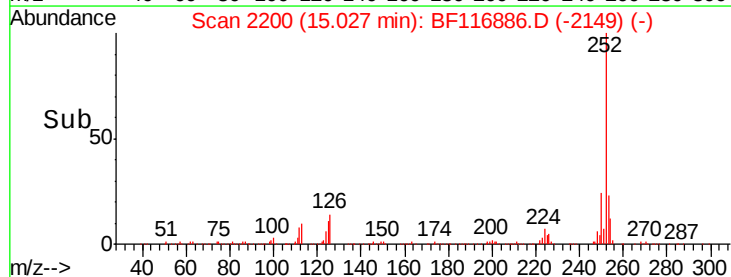
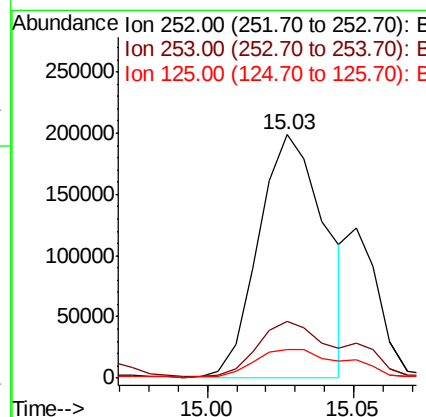
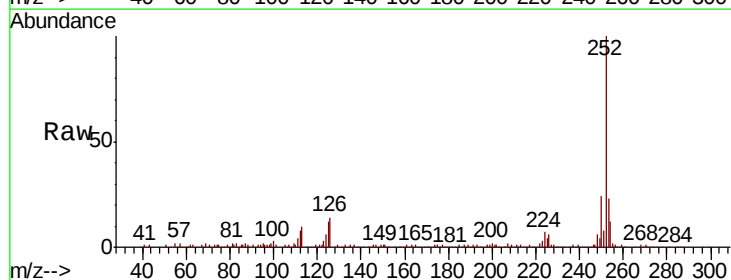
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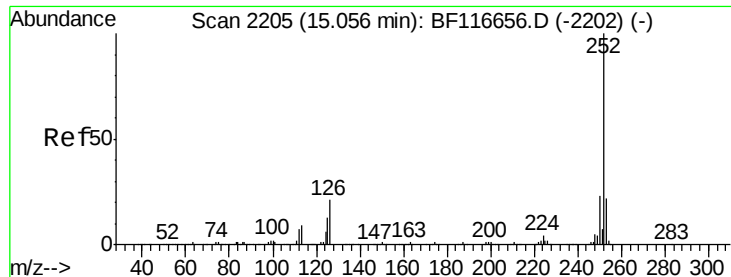
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#88
Benzo(b)fluoranthene
Concen: 27.140 ng m
RT: 15.03 min Scan# 2200
Delta R.T. 0.00 min
Lab File: BF116886.D
Acq: 8 Sep 2019 23:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.7	26.5
125	11.5	8.2	12.2





#89

Benzo(k)fluoranthene

Concen: 8.496 ng

RT: 15.05 min Scan# 2204

Delta R.T. -0.01 min

Lab File: BF116886.D

Acq: 8 Sep 2019 23:08

Instrument :

BNA_F

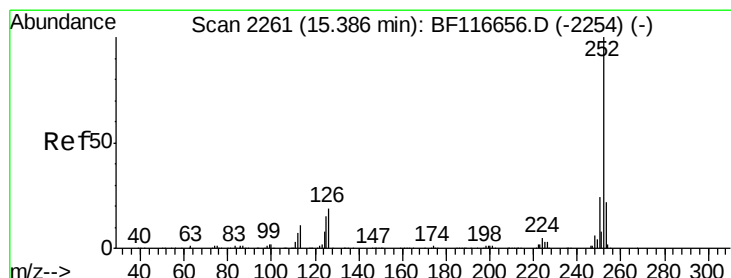
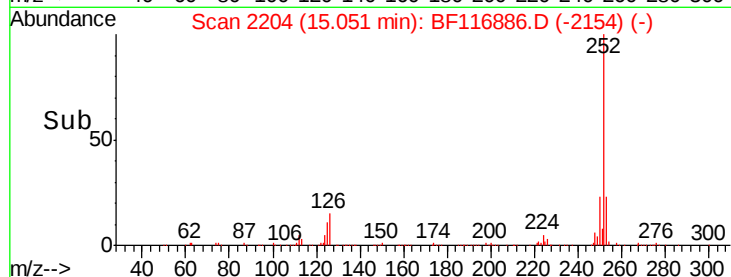
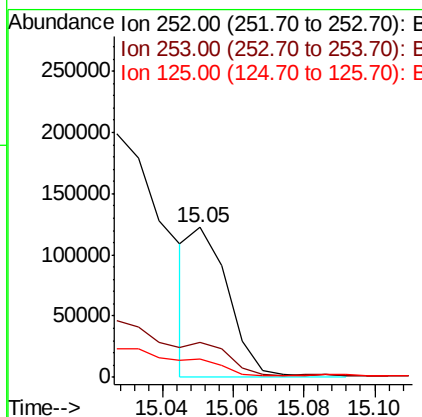
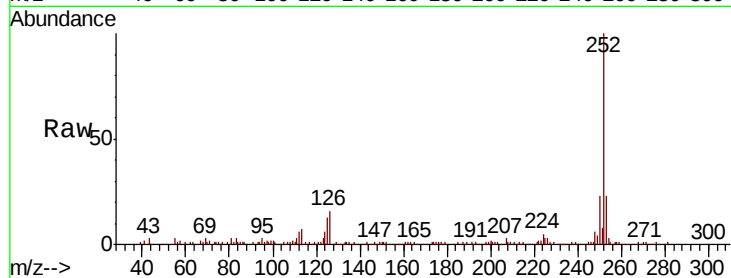
ClientSampleId :

SB-20-COMP

Tot Ion:	252	Resp:	90482
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.7	26.5
125	12.6	8.6	13.0

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#90

Benzo(a)pyrene

Concen: 22.335 ng

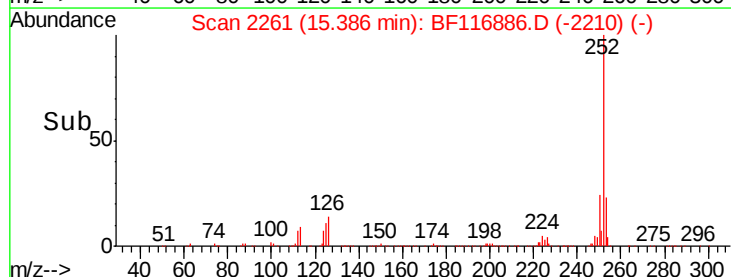
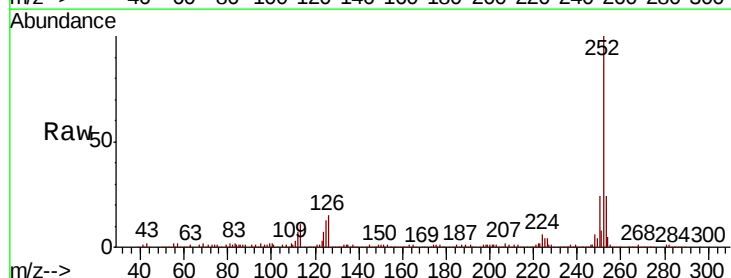
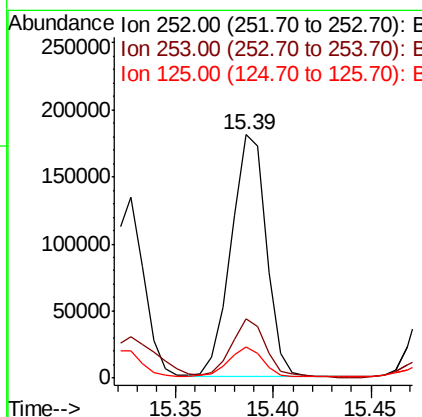
RT: 15.39 min Scan# 2261

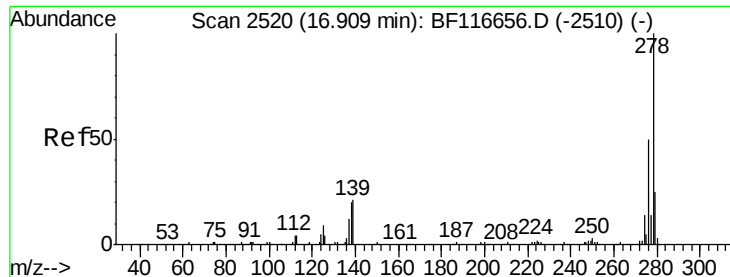
Delta R.T. 0.00 min

Lab File: BF116886.D

Acq: 8 Sep 2019 23:08

Tgt Ion:	252	Resp:	226958
Ion Ratio	Lower	Upper	
252	100		
253	24.1	18.1	27.1
125	12.6	9.8	14.8





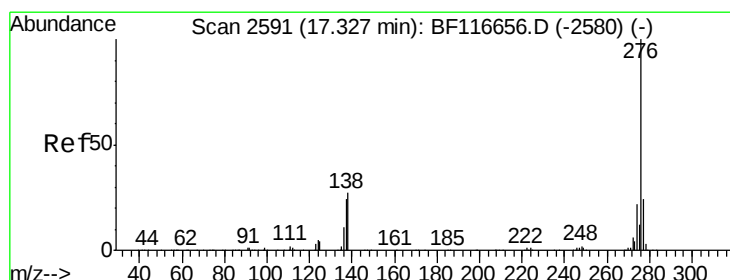
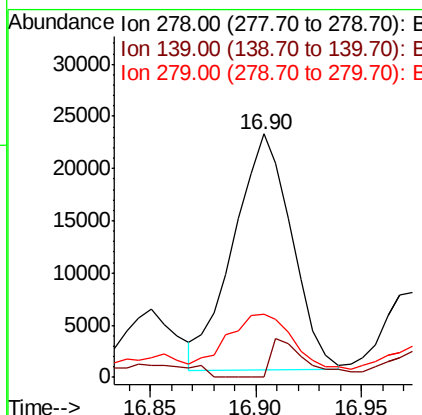
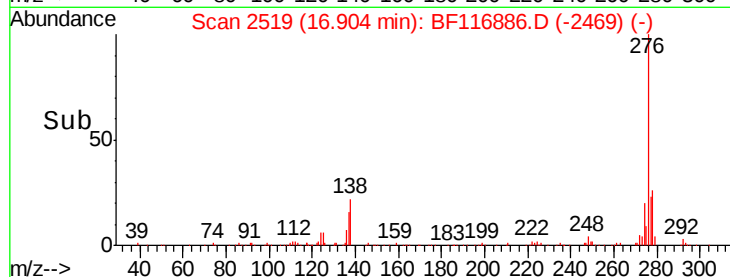
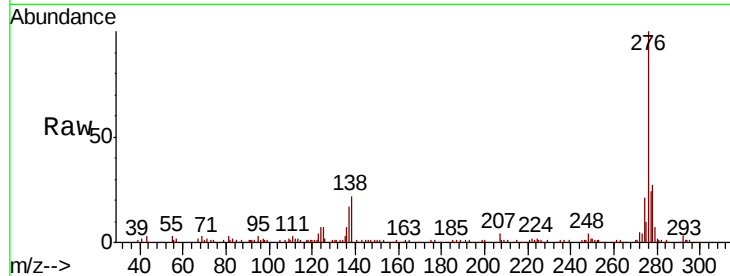
#91
Dibenzo(a,h)anthracene
Concen: 4.825 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BF116886.D
Acq: 8 Sep 2019 23:08

Instrument :
BNA_F
ClientSampleId :
SB-20-COMP

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.4	18.6
279	26.0	18.2	27.4

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#92
Benzo(g,h,i)perylene
Concen: 16.604 ng
RT: 17.34 min Scan# 2593
Delta R.T. 0.01 min
Lab File: BF116886.D
Acq: 8 Sep 2019 23:08

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.5	27.7
138	21.8	16.2	24.2

