

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
 Data File : BF116993.D
 Acq On : 12 Sep 2019 15:49
 Operator : HP/JU
 Sample : K4837-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P66-LINDEN-GEN-SP

Manual Integrations
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mohammad
 9/16/2019 8:59:35 AM

Quant Time: Sep 13 07:59:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 12 08:24:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	64533	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	253923	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	125594	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	184949	20.00	ng	0.00
76) Chrysene-d12	13.97	240	124261	20.00	ng	0.00
87) Perylene-d12	15.42	264	146219	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	421898	105.91	ng	0.00
7) Phenol-d6	6.46	99	559427	106.95	ng	0.00
23) Nitrobenzene-d5	7.38	82	351782	79.09	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	102920	122.58	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	558866	75.06	ng	0.00
79) Terphenyl-d14	12.92	244	399304	59.45	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.57	163	108531	12.517	ng	98
71) Phenanthrene	11.36	178	86775	8.428	ng	99
72) Anthracene	11.41	178	25862	2.495	ng	97
75) Fluoranthene	12.54	202	161789	15.990	ng	98
78) Pyrene	12.77	202	139461	12.626	ng	97
81) Benzo(a)anthracene	13.96	228	60158	7.649	ng	99
83) Chrysene	13.99	228	49645	6.127	ng	97
86) Indeno(1,2,3-cd)pyrene	16.84	276	25804	3.965	ng	95
88) Benzo(b)fluoranthene	14.99	252	64485m	7.295	ng	
89) Benzo(k)fluoranthene	15.02	252	24039m	2.982	ng	
90) Benzo(a)pyrene	15.35	252	48825	6.348	ng	98
92) Benzo(a,h,i)perylene	17.27	276	25322	3.688	ng	98

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

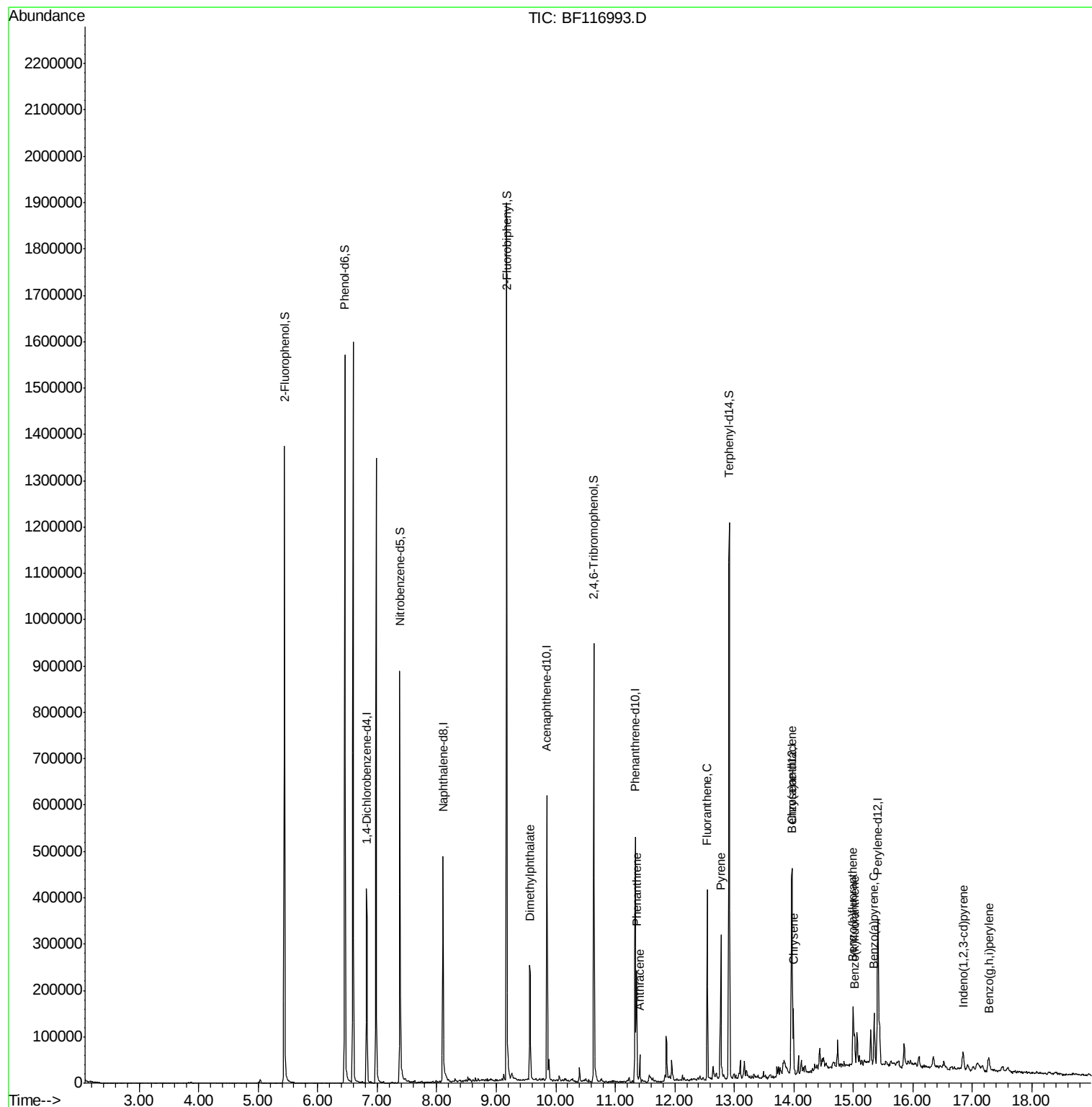
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
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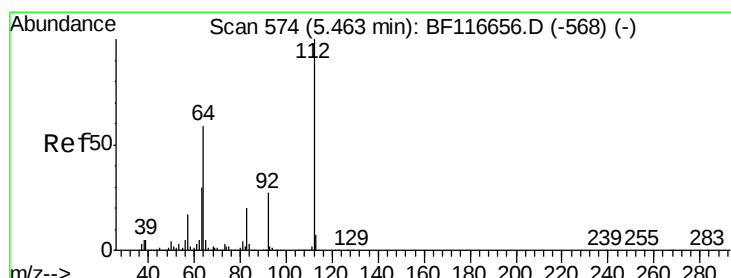
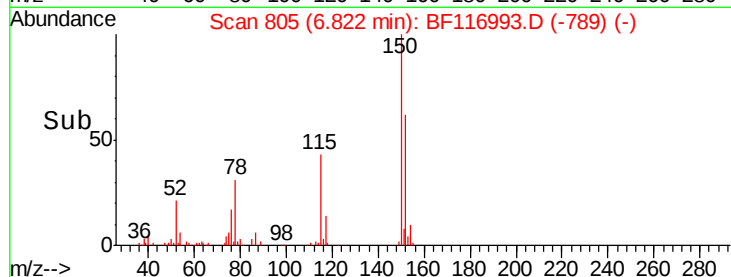
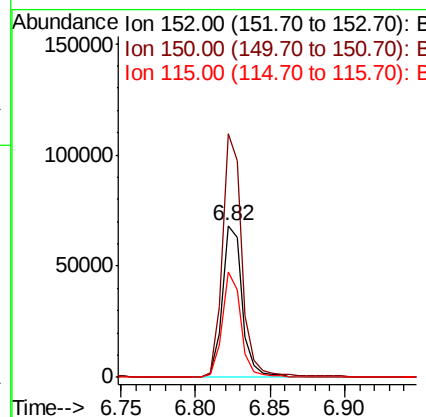
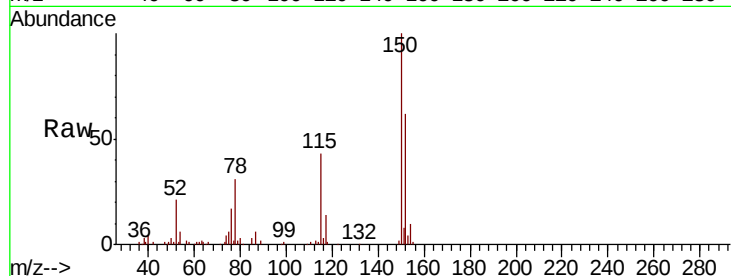
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: BF116993.D
 Acq: 12 Sep 2019 15:49

Instrument :
 BNA_F
 ClientSampleId :
 P66-LINDEN-GEN-SP

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	126.2	189.2
115	69.6	50.2	75.2

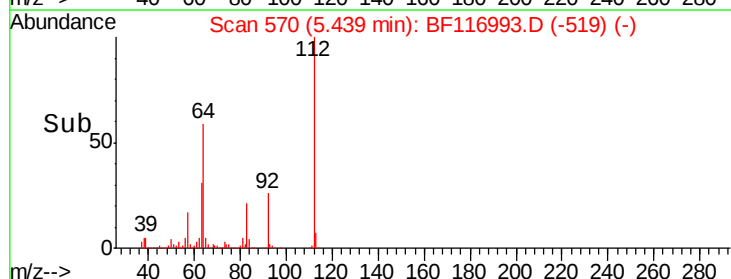
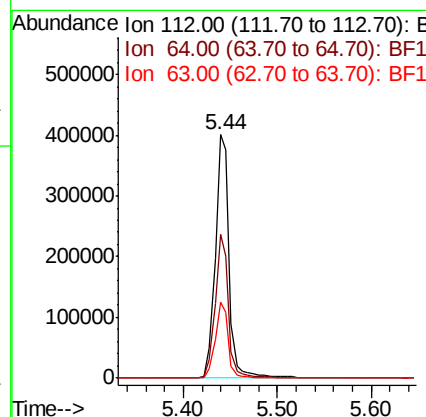
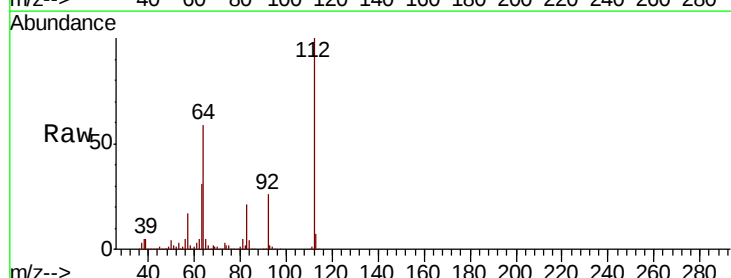
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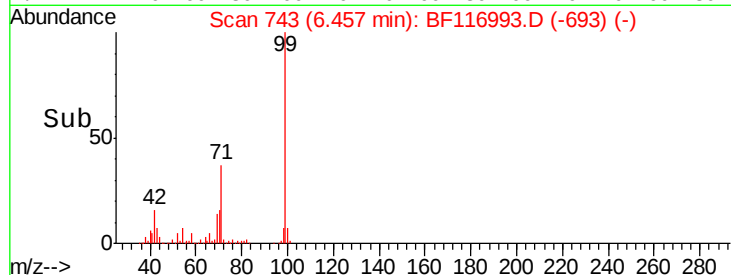
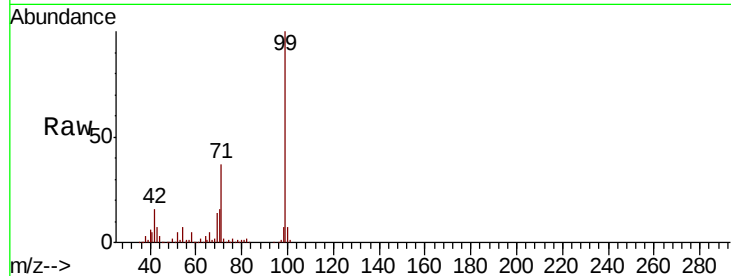
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#5
 2-Fluorophenol
 Concen: 105.915 ng
 RT: 5.44 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: BF116993.D
 Acq: 12 Sep 2019 15:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	47.1	70.7
63	31.1	25.4	38.0





#7

Phenol-d6

Concen: 106.952 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF116993.D

Acq: 12 Sep 2019 15:49

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		559427		
42	16.1	12.0		18.0	
71	37.5	29.7		44.5	

Instrument :

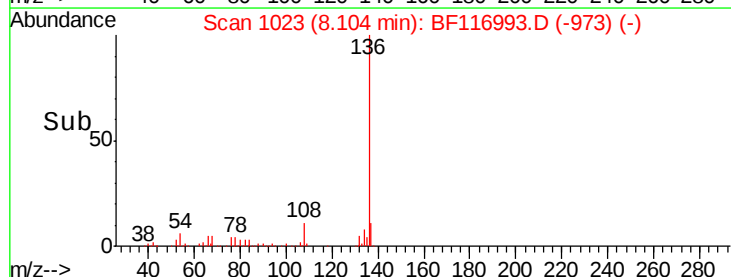
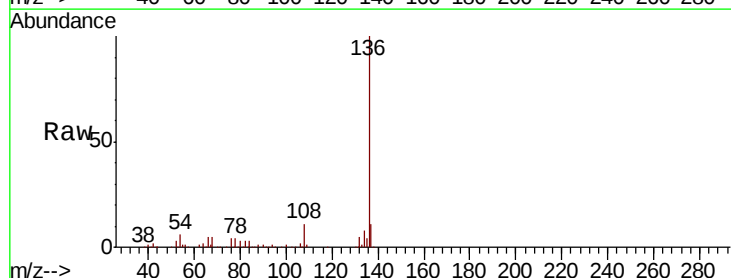
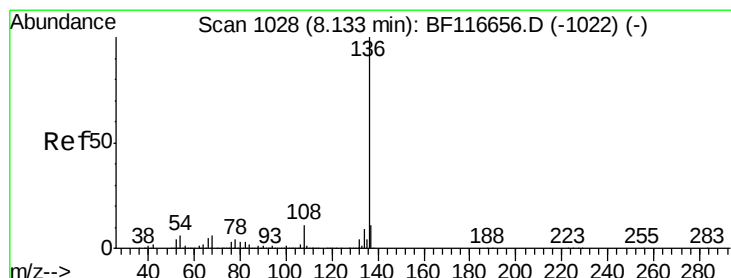
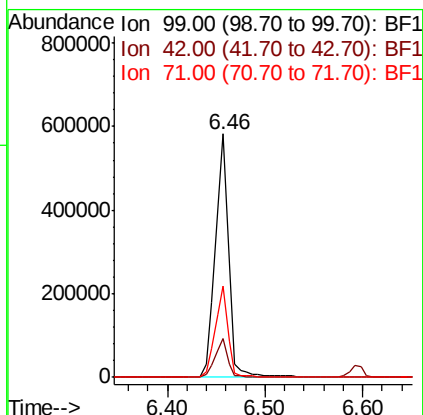
BNA_F

ClientSampleId :

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#21

Naphthalene-d8

Concen: 20.000 ng

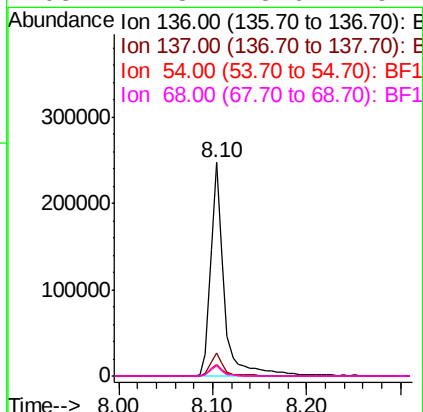
RT: 8.10 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BF116993.D

Acq: 12 Sep 2019 15:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		253923		
137	10.8	8.5		12.7	
54	5.7	3.8		5.8	
68	4.8	3.6		5.4	





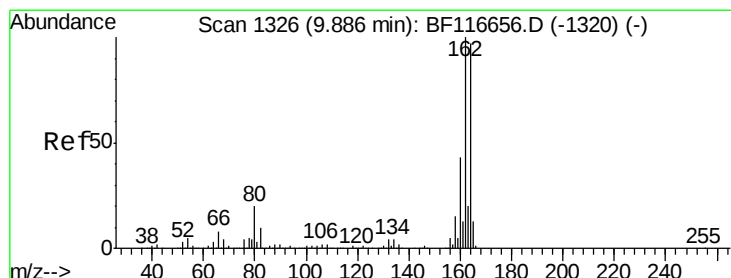
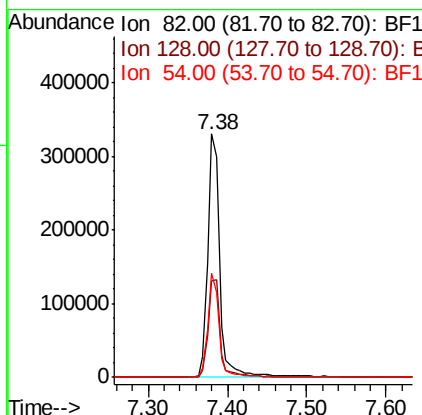
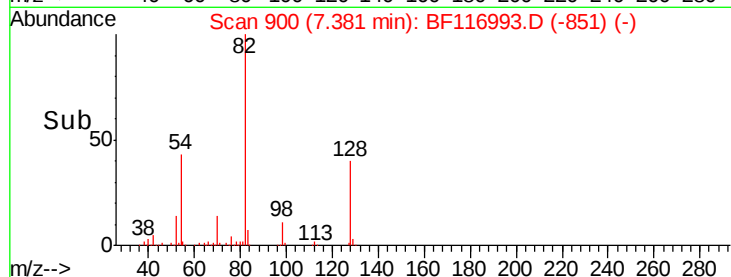
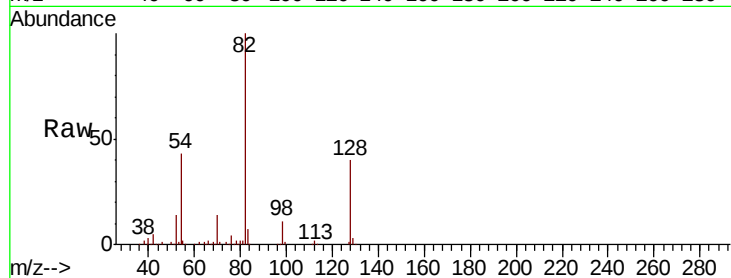
#23
Nitrobenzene-d5
Concen: 79.088 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF116993.D
Acq: 12 Sep 2019 15:49

Instrument :
BNA_F
ClientSampleId :
P66-LINDEN-GEN-SP

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.6	35.0	52.4
54	42.7	32.6	48.8

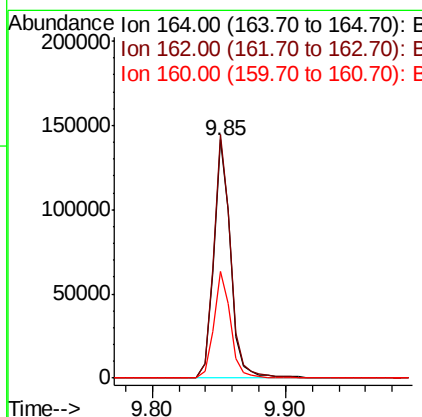
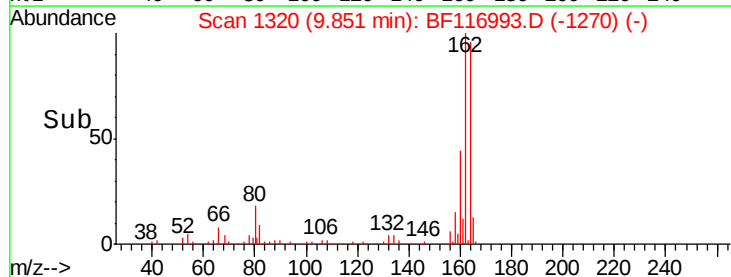
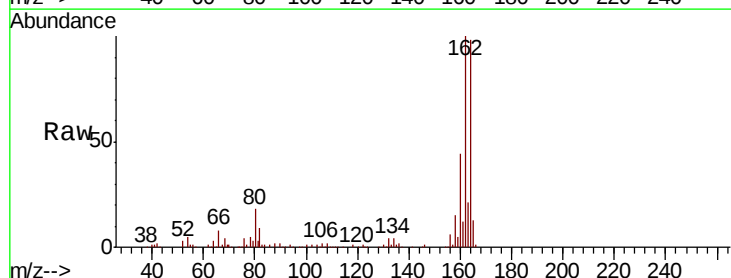
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF116993.D
Acq: 12 Sep 2019 15:49

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	81.8	122.6
160	44.6	35.7	53.5





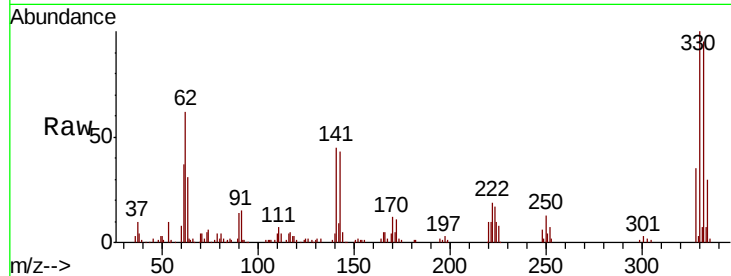
#42
 2,4,6-Tribromophenol
 Concen: 122.579 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF116993.D
 Acq: 12 Sep 2019 15:49

Instrument :
 BNA_F
 ClientSampleId :
 P66-LINDEN-GEN-SP

Tot Ion	330	Resp	102920
Ion Ratio	Lower	Upper	
330	100		
332	94.6	75.9	113.9
141	46.0	35.6	53.4

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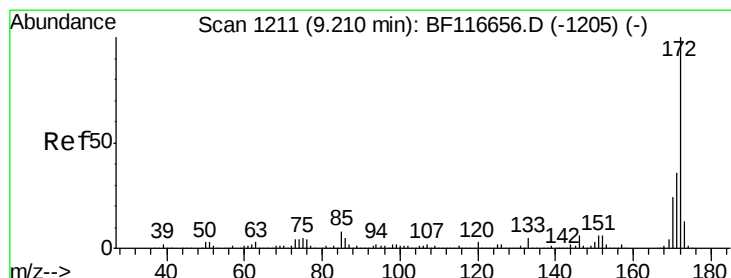
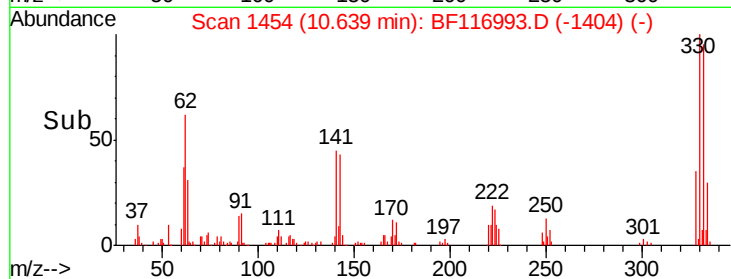
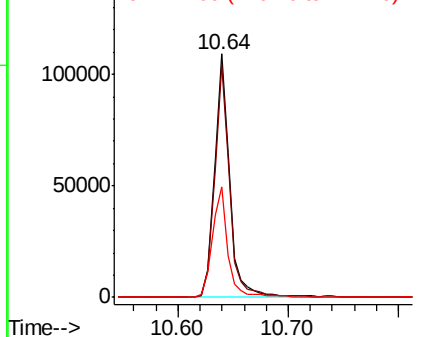


Abundance

Ion 329.80 (329.50 to 330.50): E

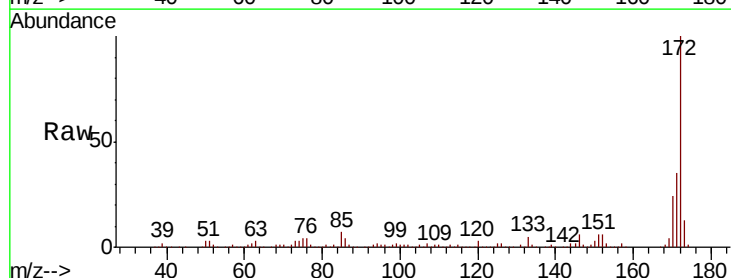
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 75.063 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: BF116993.D
 Acq: 12 Sep 2019 15:49

Tgt Ion	172	Resp	558866
Ion Ratio	Lower	Upper	
172	100		
171	35.2	29.1	43.7
170	23.5	19.2	28.8

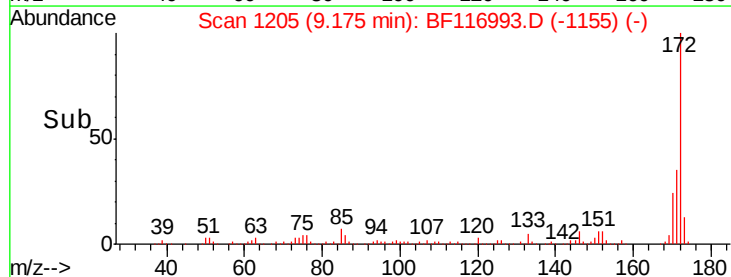
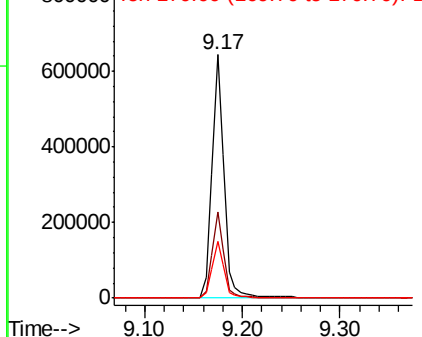


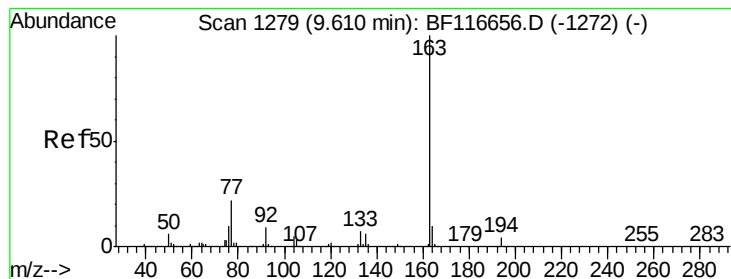
Abundance

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: 12.517 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.01 min

Lab File: BF116993.D

Acq: 12 Sep 2019 15:49

Instrument :

BNA_F

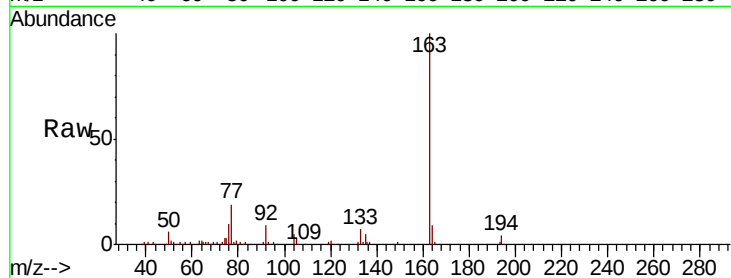
ClientSampleId :

P66-LINDEN-GEN-SP

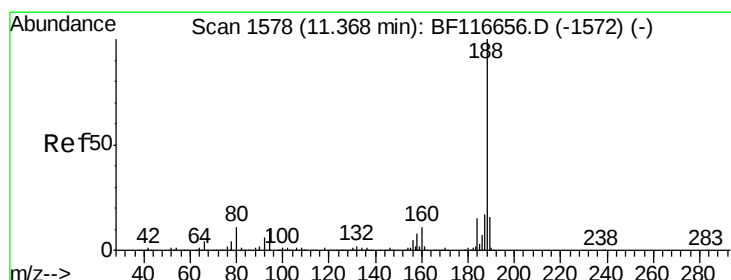
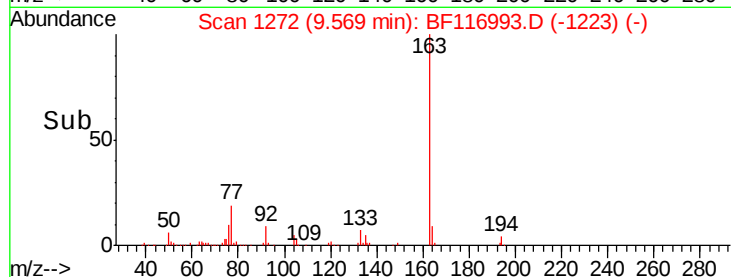
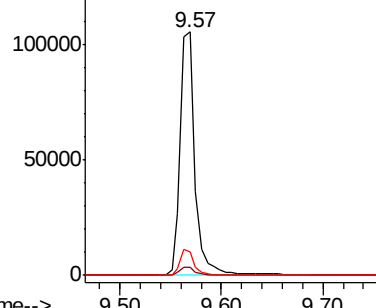
Tot Ion:	163	Resp:	108531
Ion Ratio		Lower	Upper
163	100		
194	3.6	2.7	4.1
164	9.4	8.2	12.4

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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

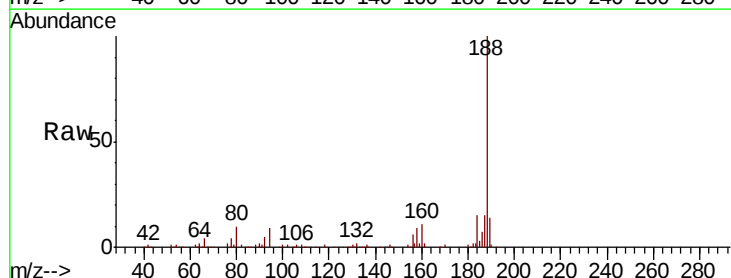
RT: 11.33 min Scan# 1572

Delta R.T. -0.01 min

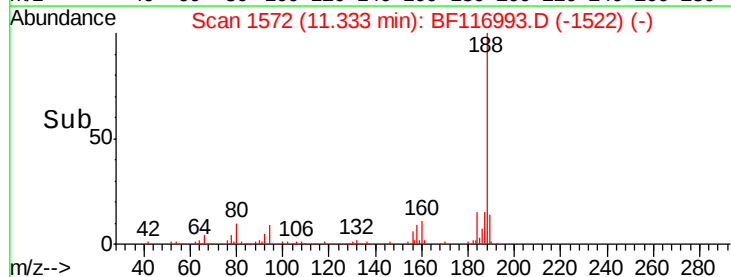
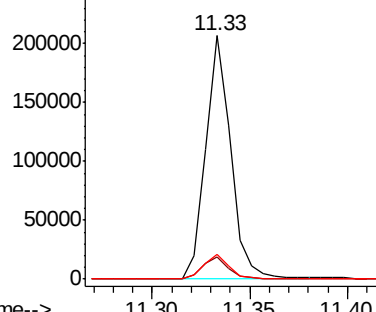
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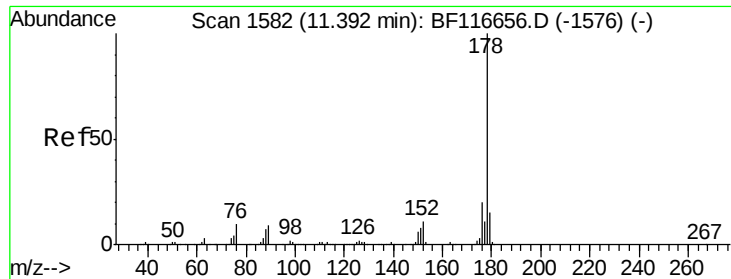
Acq: 12 Sep 2019 15:49

Tgt Ion:	188	Resp:	184949
Ion Ratio		Lower	Upper
188	100		
94	9.4	7.4	11.2
80	10.2	8.5	12.7



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





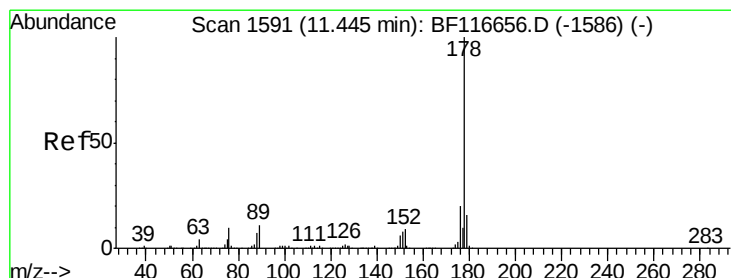
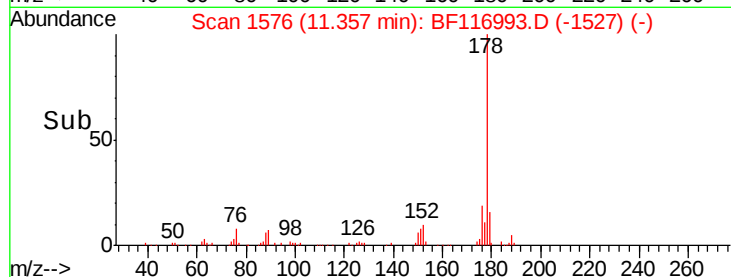
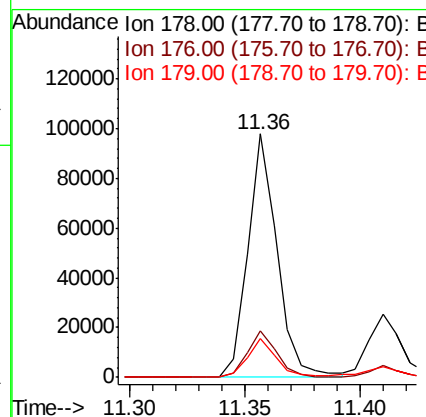
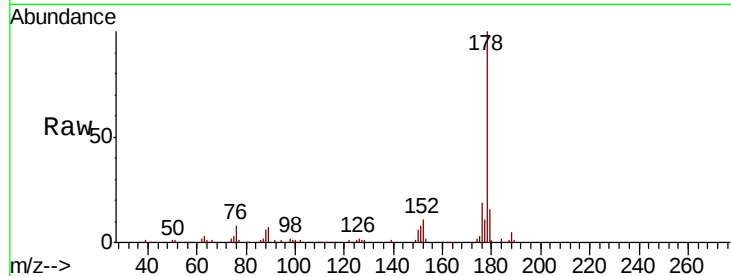
#71
Phenanthrene
Concen: 8.428 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF116993.D
Acq: 12 Sep 2019 15:49

Instrument :
BNA_F
ClientSampleId :
P66-LINDEN-GEN-SP

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.7	23.5
179	15.7	12.0	18.0

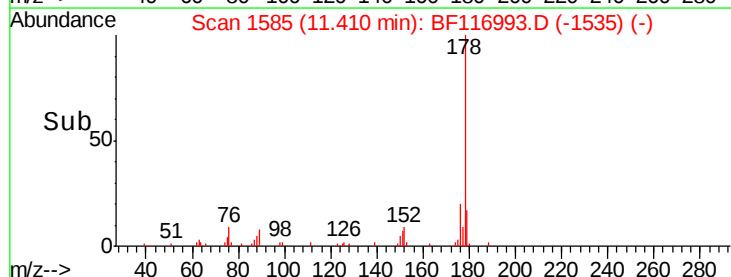
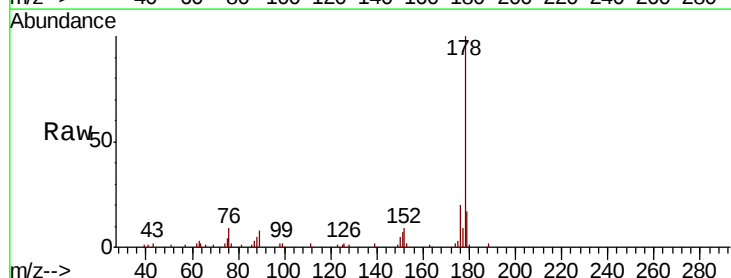
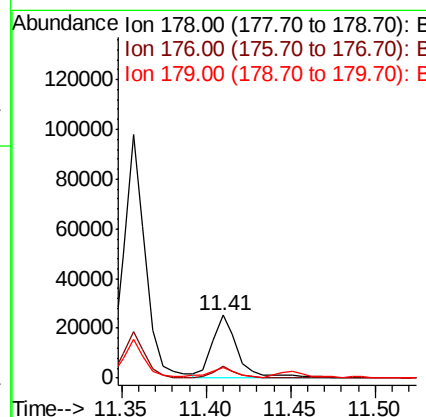
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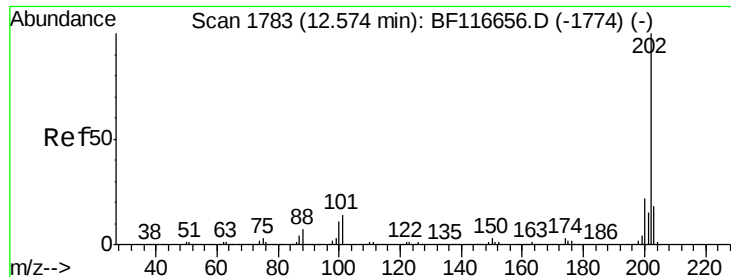
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#72
Anthracene
Concen: 2.495 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF116993.D
Acq: 12 Sep 2019 15:49

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.0	22.6
179	17.4	12.3	18.5





#75

Fluoranthene

Concen: 15.990 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF116993.D

Acq: 12 Sep 2019 15:49

Instrument :

BNA_F

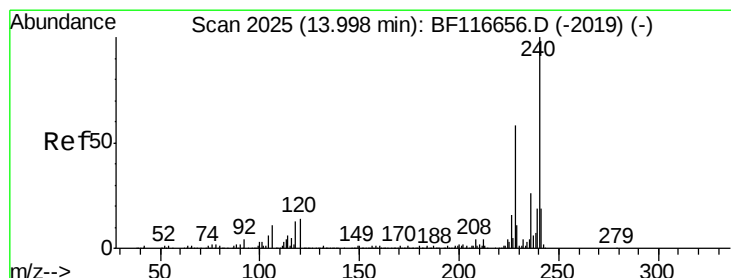
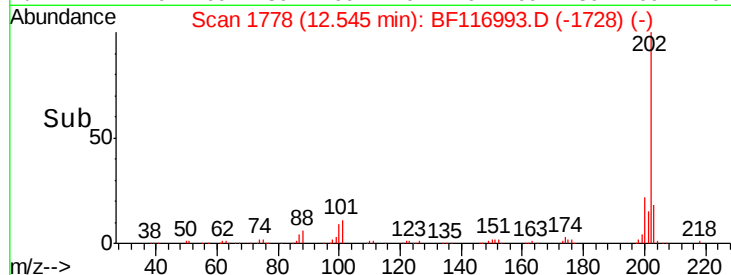
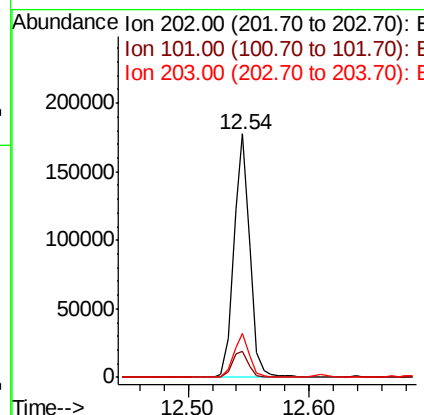
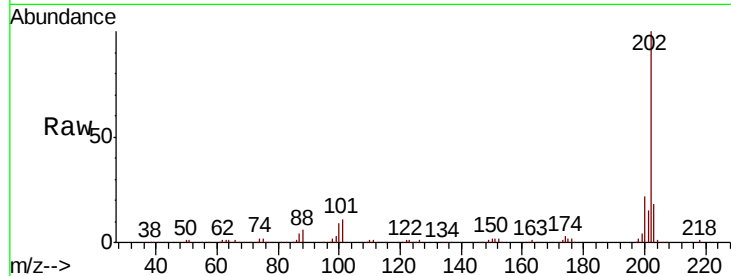
ClientSampleId :

P66-LINDEN-GEN-SP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		161789		
101	10.6	0.0	32.0		
203	17.9	0.0	37.5		

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#76

Chrysene-d12

Concen: 20.000 ng

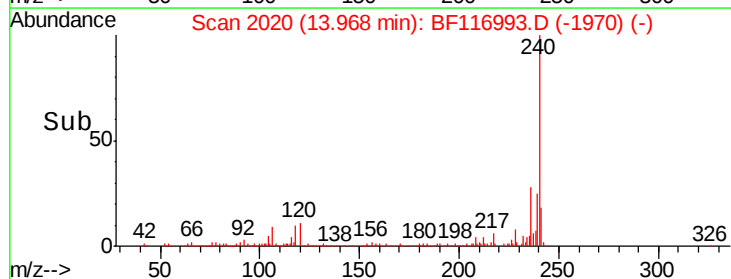
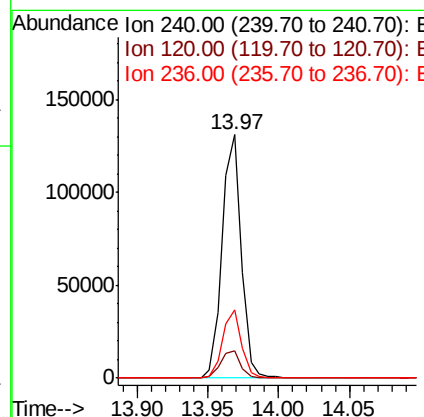
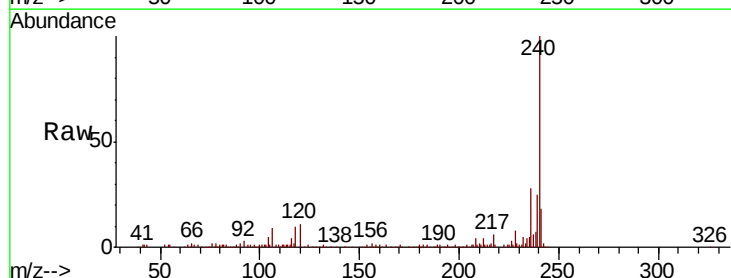
RT: 13.97 min Scan# 2020

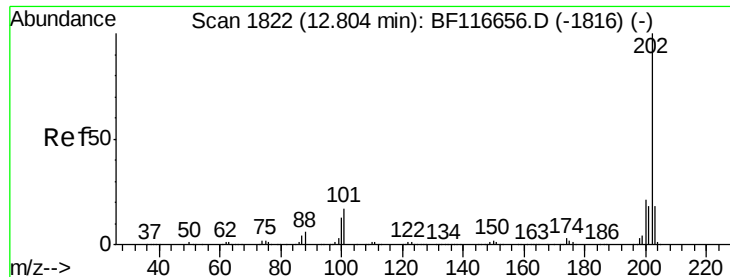
Delta R.T. -0.01 min

Lab File: BF116993.D

Acq: 12 Sep 2019 15:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		124261		
120	11.3	9.1	13.7		
236	28.1	20.9	31.3		





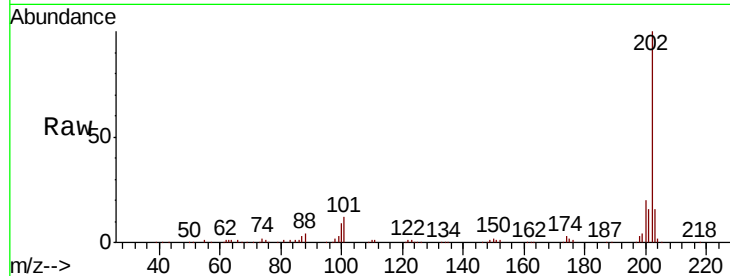
#78
Pvrene
Concen: 12.626 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF116993.D
Acq: 12 Sep 2019 15:49

Instrument :
BNA_F
ClientSampleId :
P66-LINDEN-GEN-SP

Tot Ion	Ratio	Resp	Lower	Upper
202	100	139461		
200	20.1	17.2	25.8	
203	16.4	14.2	21.2	

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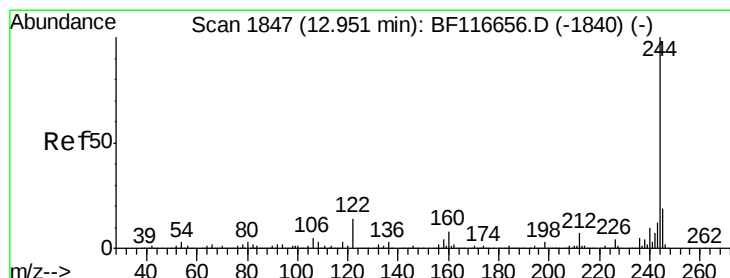
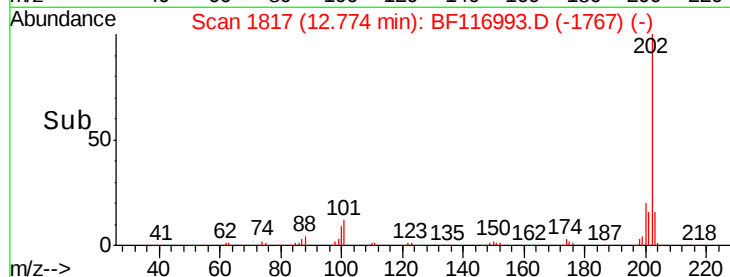
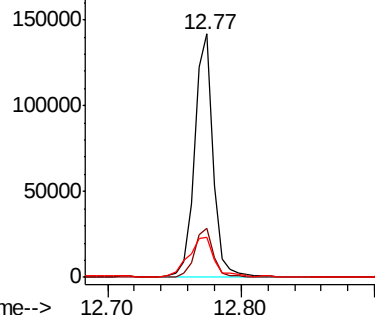


Abundance

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: 59.447 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF116993.D
Acq: 12 Sep 2019 15:49

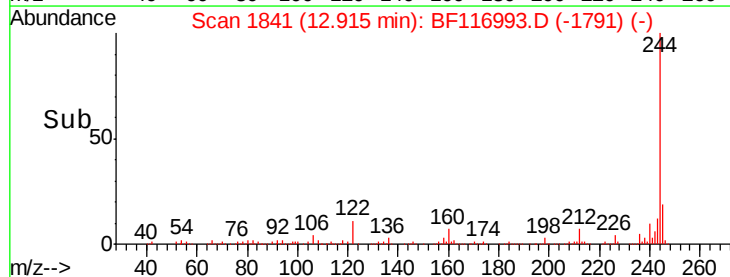
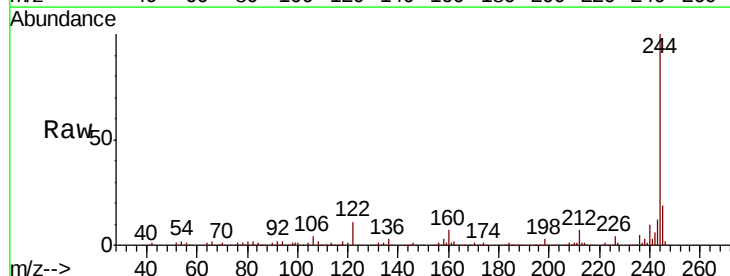
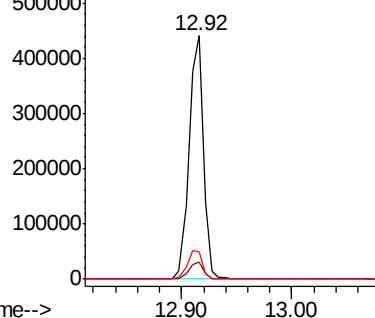
Tgt Ion	Ratio	Resp	Lower	Upper
244	100	399304		
212	7.0	5.7	8.5	
122	11.1	11.5	17.3	

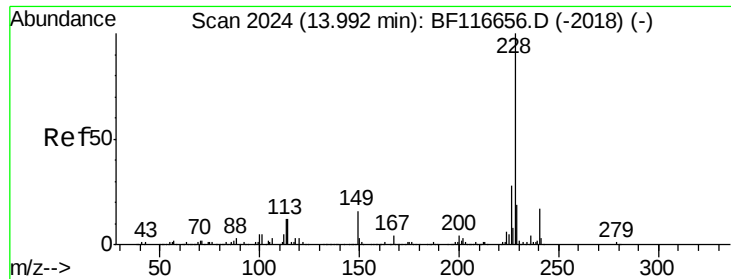
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 7.649 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF116993.D

Acq: 12 Sep 2019 15:49

Instrument :

BNA_F

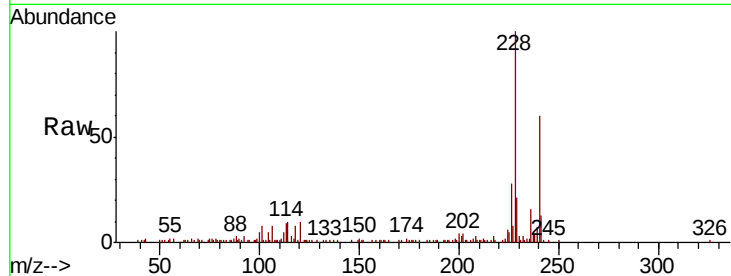
ClientSampleId :

P66-LINDEN-GEN-SP

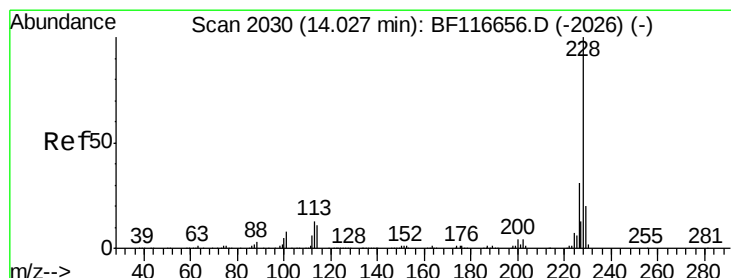
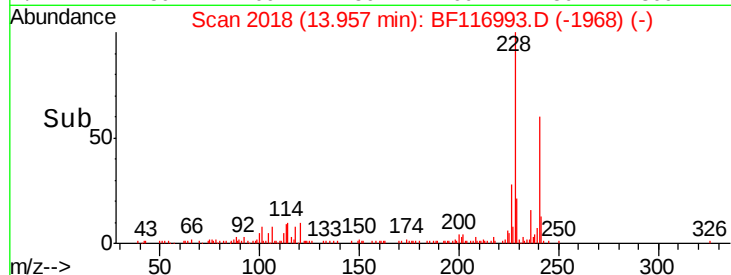
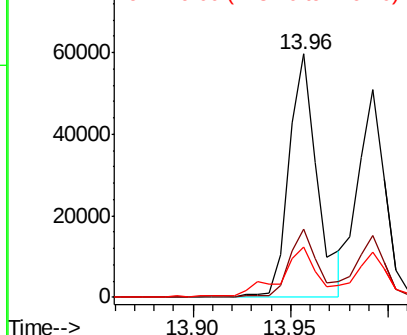
Tot Ion:	228	Resp:	60158
Ion Ratio	Lower	Upper	
228	100		
226	27.9	22.3	33.5
229	20.7	15.8	23.8

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 6.127 ng

RT: 13.99 min Scan# 2024

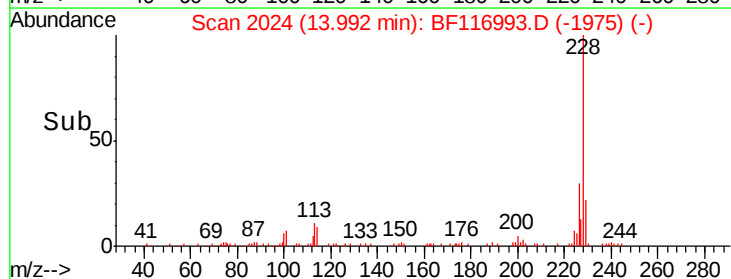
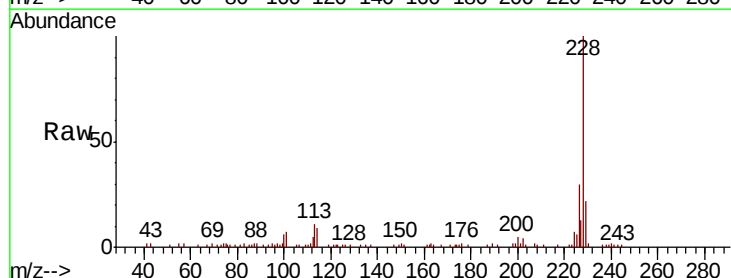
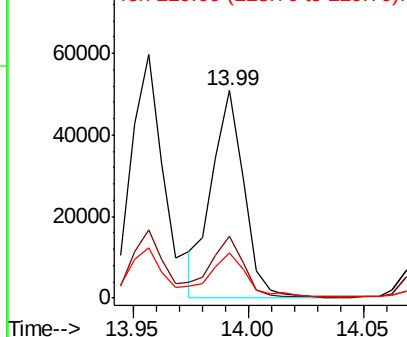
Delta R.T. -0.01 min

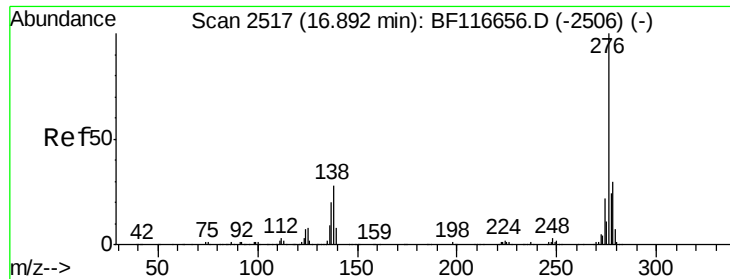
Lab File: BF116993.D

Acq: 12 Sep 2019 15:49

Tgt Ion:	228	Resp:	49645
Ion Ratio	Lower	Upper	
228	100		
226	29.9	24.5	36.7
229	22.0	15.7	23.5

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





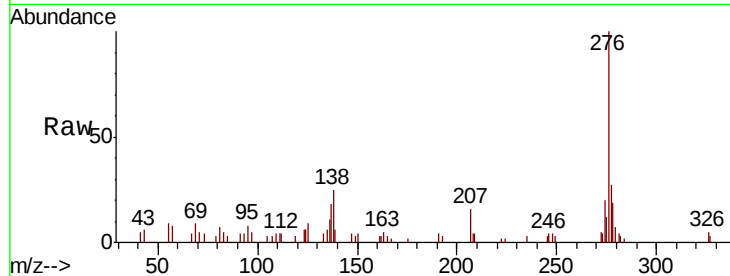
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.965 ng
RT: 16.84 min Scan# 2508
Delta R.T. -0.02 min
Lab File: BF116993.D
Acq: 12 Sep 2019 15:49

Instrument :
BNA_F
ClientSampleId :
P66-LINDEN-GEN-SP

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.2	20.6	31.0
277	28.6	19.9	29.9

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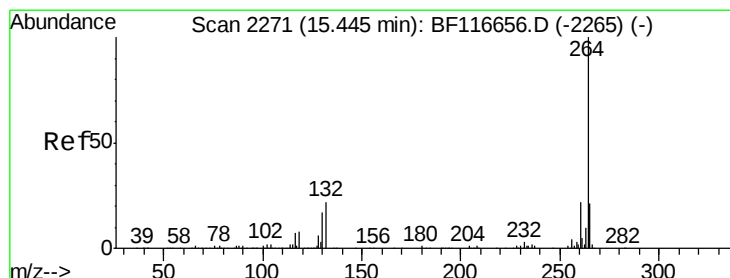
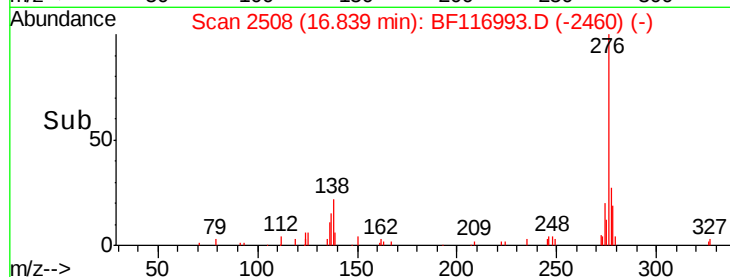
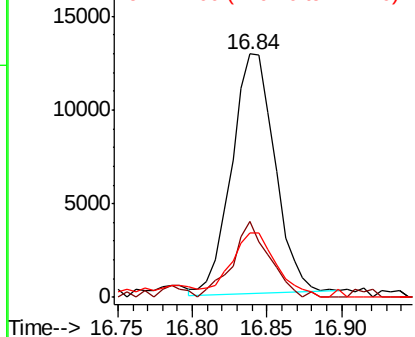


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.00 min
Lab File: BF116993.D
Acq: 12 Sep 2019 15:49

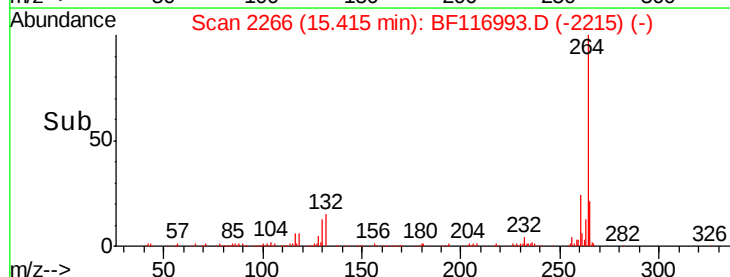
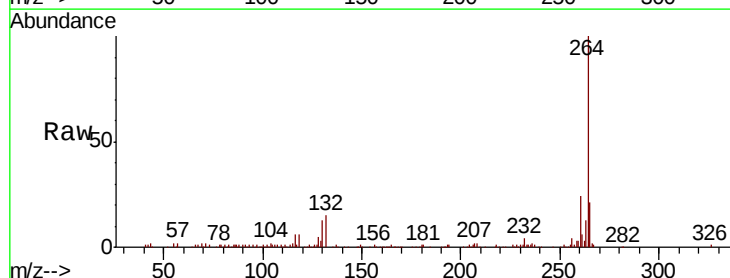
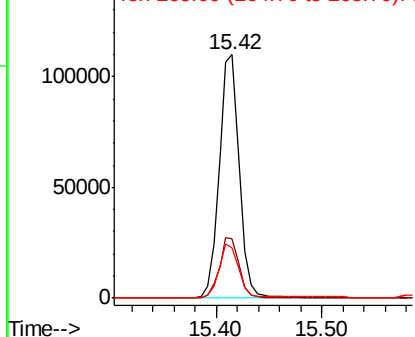
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.0	28.4
265	20.9	17.9	26.9

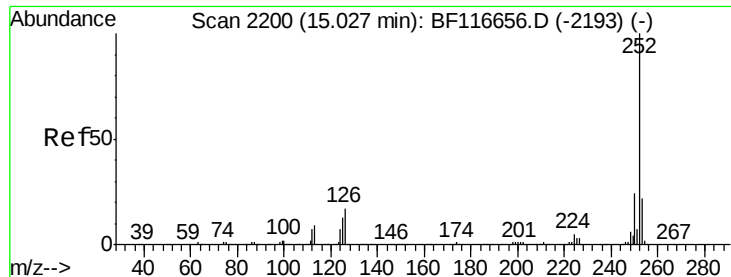
Abundance

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





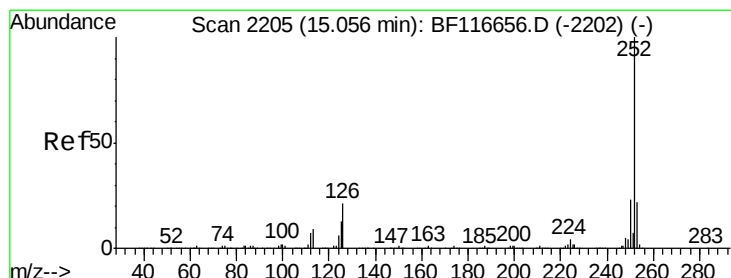
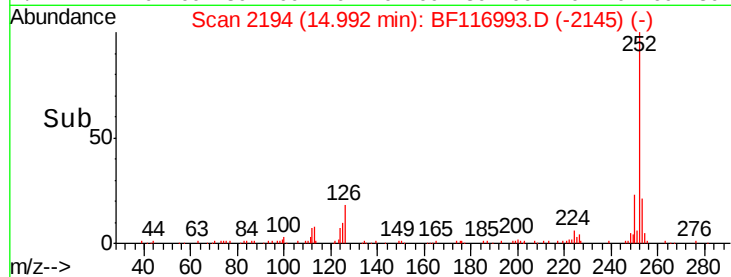
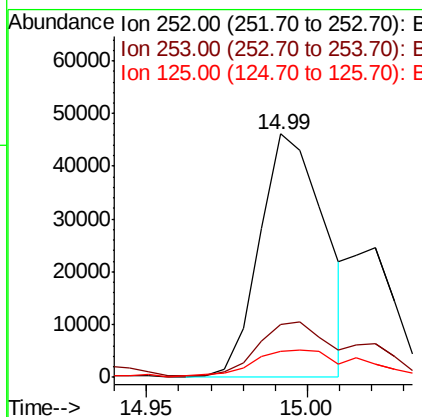
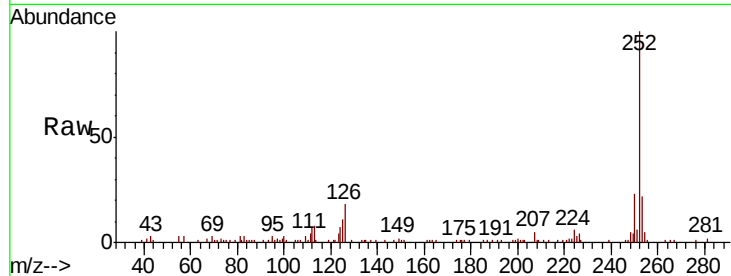
#88
Benzo(b)fluoranthene
Concen: 7.295 ng m
RT: 14.99 min Scan# 2194
Delta R.T. -0.01 min
Lab File: BF116993.D
Acq: 12 Sep 2019 15:49

Instrument :
BNA_F
ClientSampleId :
P66-LINDEN-GEN-SP

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	10.7	8.3	12.5

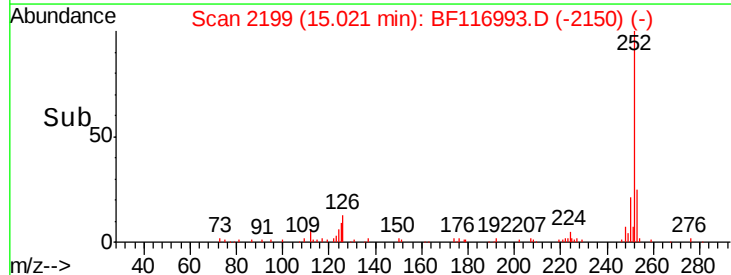
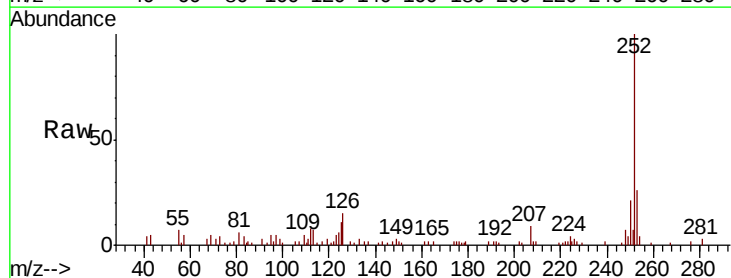
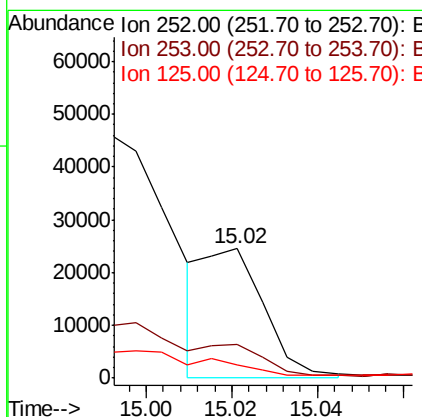
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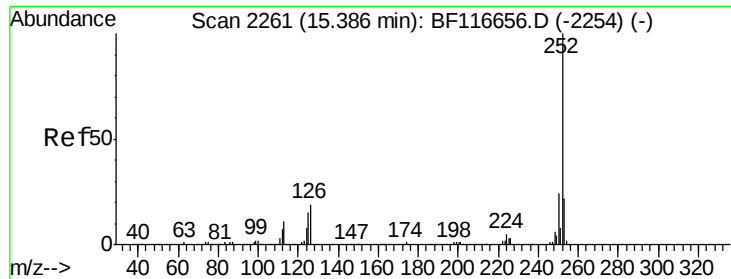
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#89
Benzo(k)fluoranthene
Concen: 2.982 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF116993.D
Acq: 12 Sep 2019 15:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.4	16.8	25.2#
125	10.6	7.6	11.4





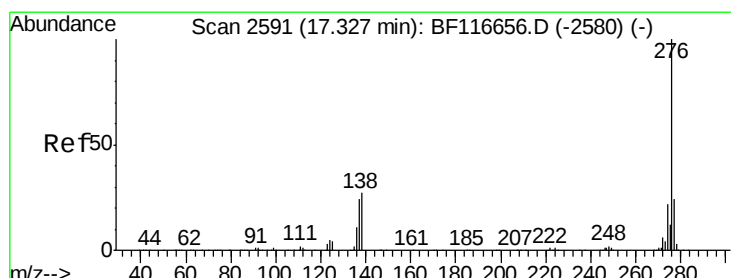
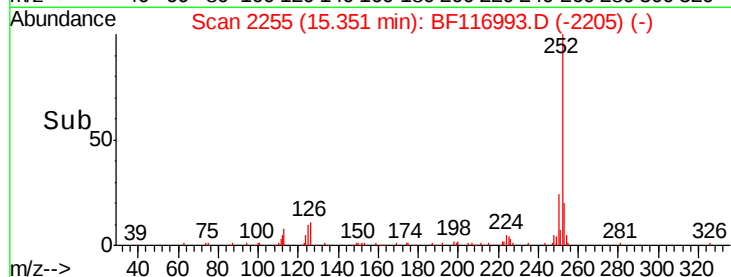
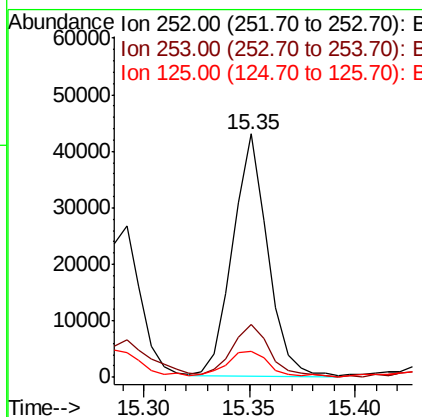
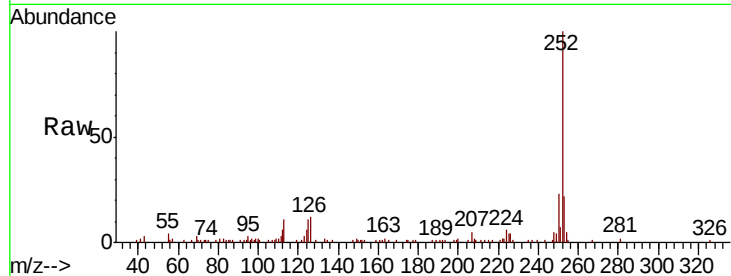
#90
Benzo(a)pyrene
Concen: 6.348 ng
RT: 15.35 min Scan# 2255
Delta R.T. -0.01 min
Lab File: BF116993.D
Acq: 12 Sep 2019 15:49

Instrument :
BNA_F
ClientSampleId :
P66-LINDEN-GEN-SP

Tot Ion:	252	Resp:	48825
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.6	26.4
125	10.7	10.2	15.2

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#92
Benzo(g,h,i)perylene
Concen: 3.688 ng
RT: 17.27 min Scan# 2582
Delta R.T. -0.01 min
Lab File: BF116993.D
Acq: 12 Sep 2019 15:49

Tgt Ion:	276	Resp:	25322
Ion Ratio	Lower	Upper	
276	100		
277	23.4	19.0	28.6
138	21.7	18.7	28.1

