

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
 Data File : BF117529.D
 Acq On : 24 Oct 2019 23:46
 Operator : JU
 Sample : K5498-13 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 191-94-(0-1)

Manual Integrations
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mohammad
 10/26/2019 10:03:32 AM

Quant Time: Oct 25 04:47:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	68644	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	274622	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	126767	20.00	ng	0.00
64) Phenanthrene-d10	11.26	188	170692	20.00	ng	0.00
76) Chrysene-d12	13.90	240	123591	20.00	ng	0.00
87) Perylene-d12	15.33	264	95297	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	152068	32.96	ng	0.00
7) Phenol-d6	6.39	99	216533	34.94	ng	0.00
23) Nitrobenzene-d5	7.30	82	126978	22.83	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	30006	27.36	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	194962	21.67	ng	0.00
79) Terphenyl-d14	12.83	244	123559	16.31	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.49	163	27313	3.022	ng	Qvalue # 99
71) Phenanthrene	11.28	178	48800	4.924	ng	96
75) Fluoranthene	12.47	202	79802	8.043	ng	100
78) Pyrene	12.70	202	75691	7.130	ng	99
81) Benzo(a)anthracene	13.89	228	38086	4.568	ng	96
83) Chrysene	13.93	228	35936	4.398	ng	95
86) Indeno(1,2,3-cd)pyrene	16.75	276	13968	2.290	ng	# 91
88) Benzo(b)fluoranthene	14.93	252	35636m	6.333	ng	
90) Benzo(a)pyrene	15.28	252	22889	4.474	ng	# 88
92) Benzo(g,h,i)perylene	17.19	276	12412	2.965	ng	# 90

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

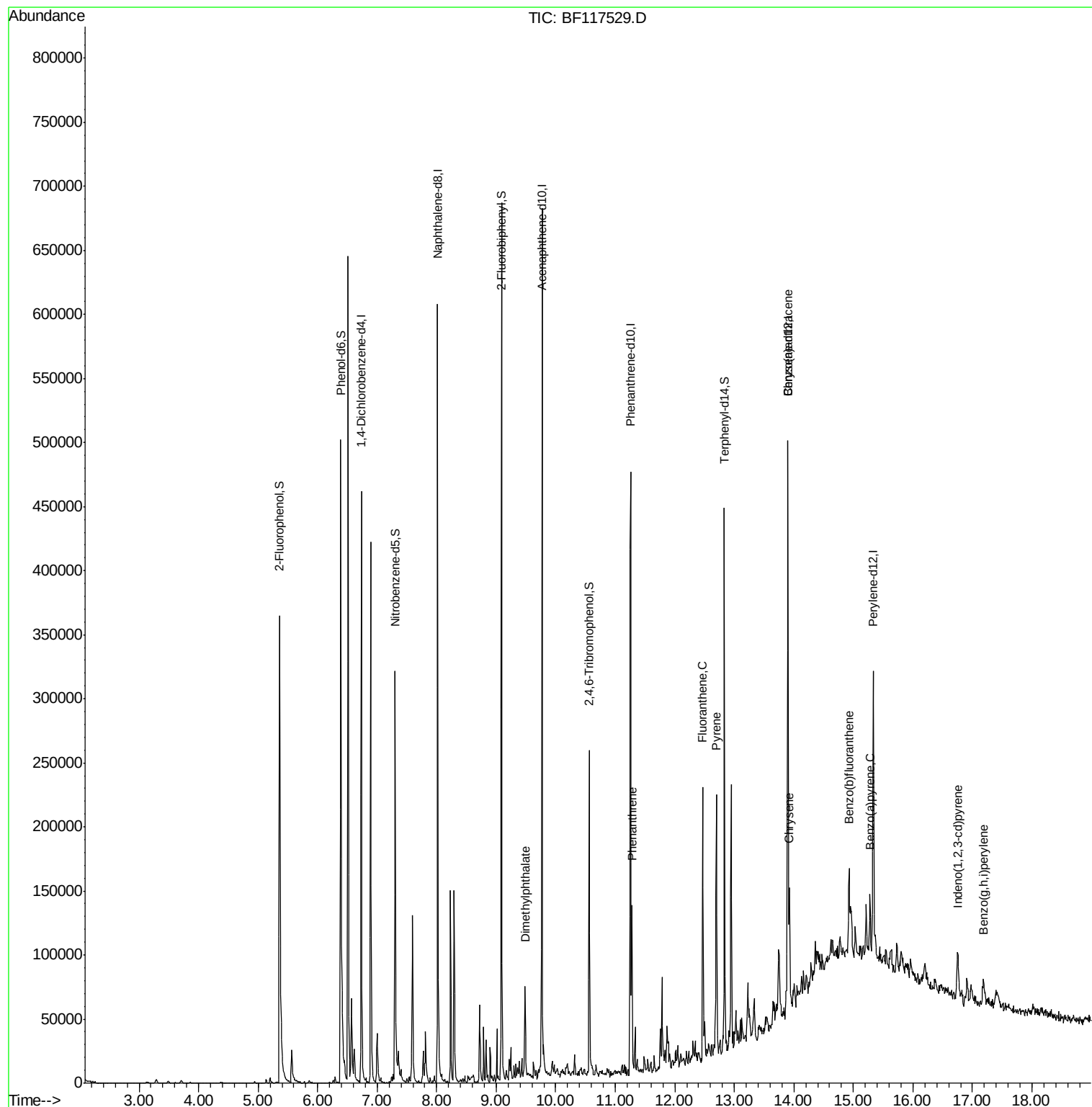
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
Data File : BF117529.D
Acq On : 24 Oct 2019 23:46
Operator : JU
Sample : K5498-13 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

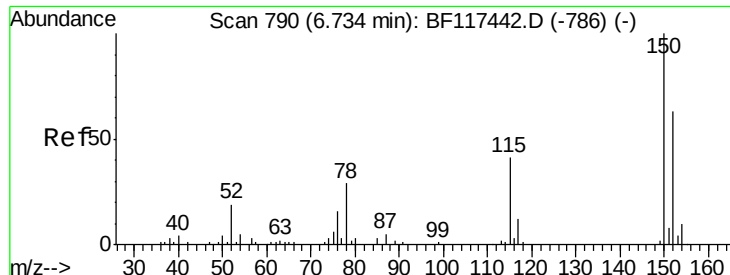
Instrument :
BNA_F
ClientSampleId :
191-94-(0-1)

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
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#1

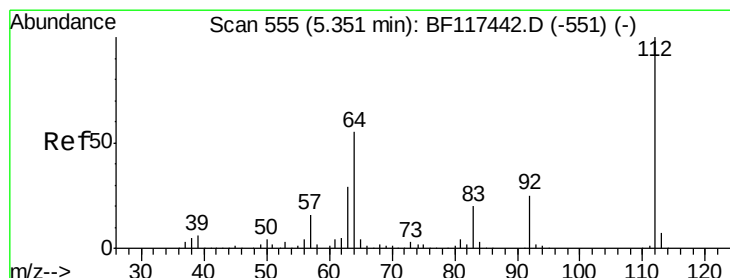
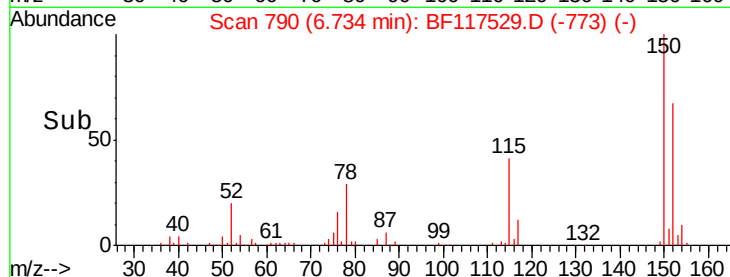
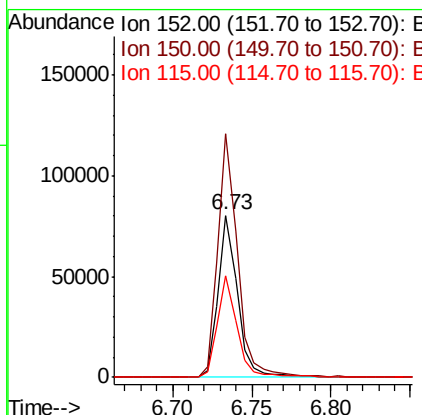
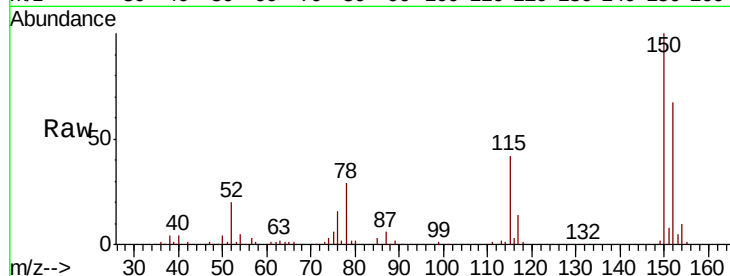
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. 0.00 min
Lab File: BF117529.D
Acq: 24 Oct 2019 23:46

Instrument :
BNA_F
ClientSampleId :
191-94-(0-1)

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.2	126.8	190.2
115	62.5	51.6	77.4

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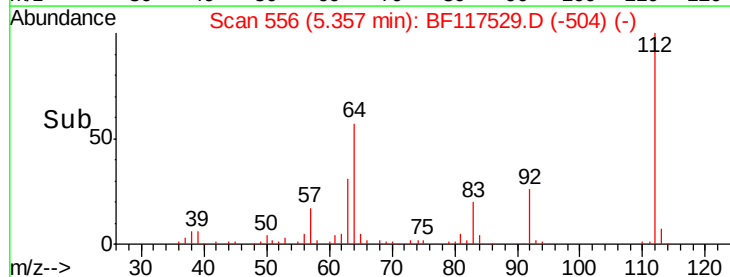
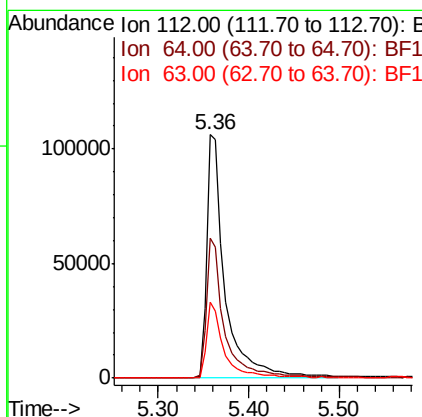
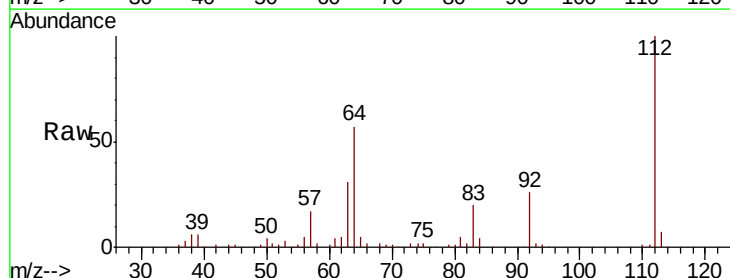
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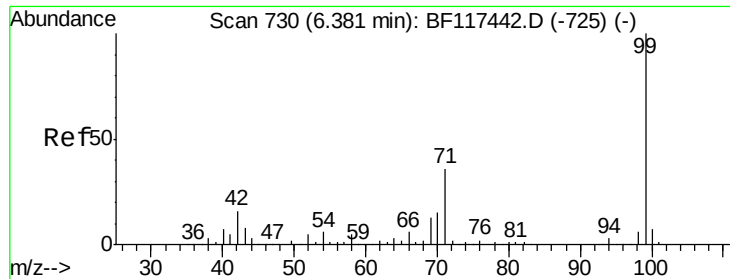


#5

2-Fluorophenol
Concen: 32.957 ng
RT: 5.36 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF117529.D
Acq: 24 Oct 2019 23:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.3	44.1	66.1
63	31.2	23.4	35.2





#7

Phenol-d6

Concen: 34.940 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117529.D

Acq: 24 Oct 2019 23:46

Instrument :

BNA_F

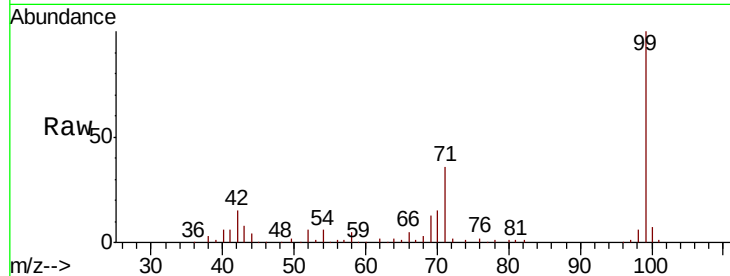
ClientSampled :

191-94-(0-1)

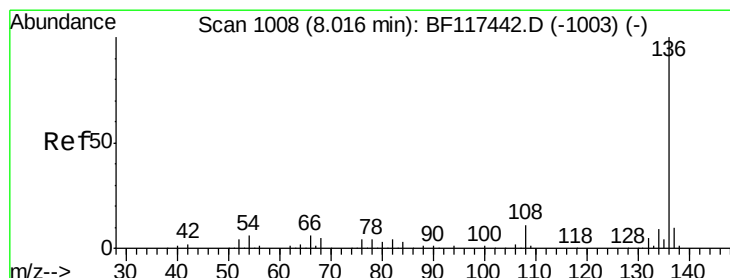
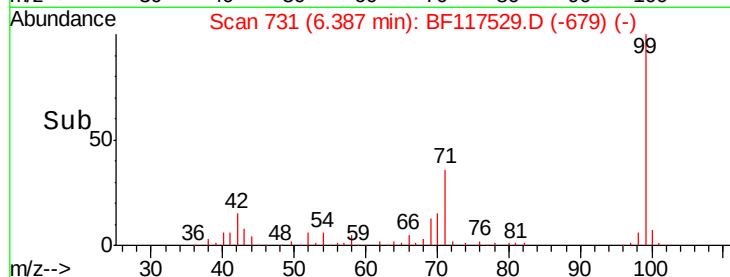
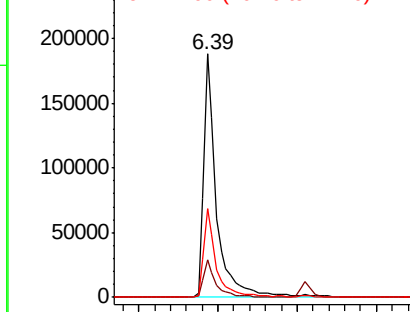
Tot Ion:	99	Resp:	216533
Ion Ratio	Lower	Upper	
99	100		
42	15.4	12.8	19.2
71	36.3	28.6	43.0

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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# 1008

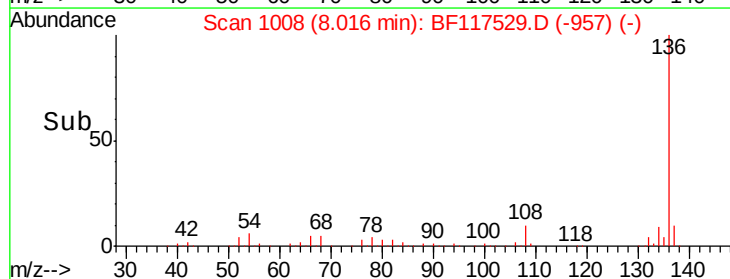
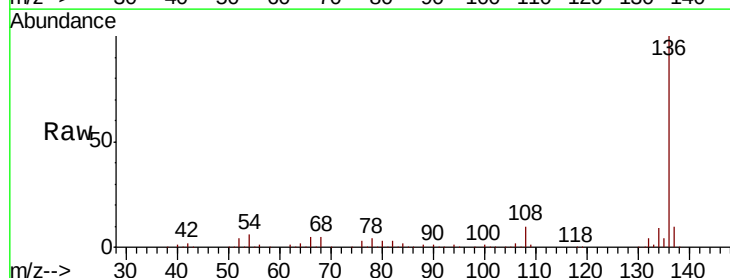
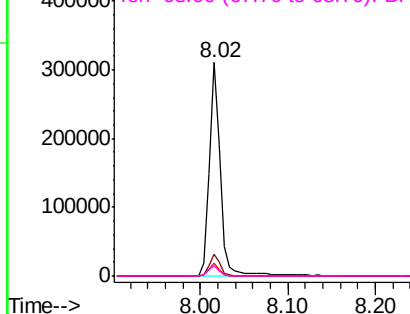
Delta R.T. 0.00 min

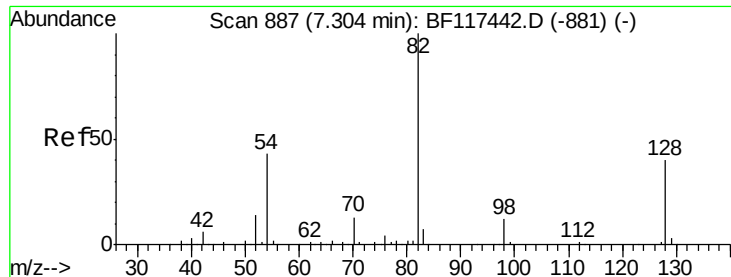
Lab File: BF117529.D

Acq: 24 Oct 2019 23:46

Tgt Ion:	136	Resp:	274622
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.2	12.4
54	5.9	4.5	6.7
68	5.1	4.3	6.5

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





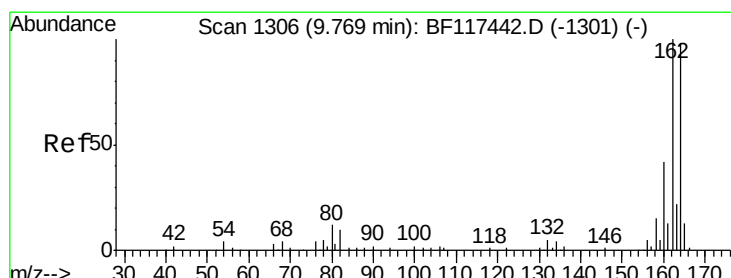
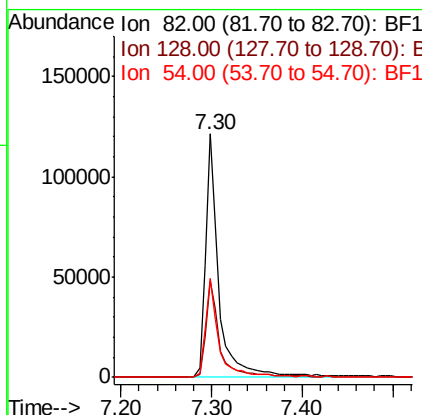
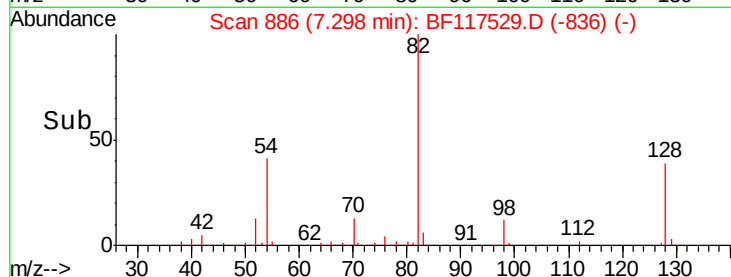
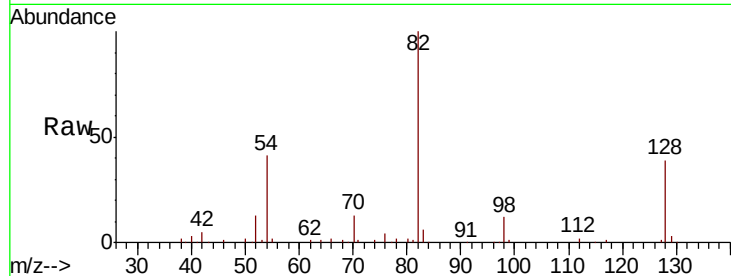
#23
 Nitrobenzene-d5
 Concen: 22.826 ng
 RT: 7.30 min Scan# 886
 Delta R.T. -0.01 min
 Lab File: BF117529.D
 Acq: 24 Oct 2019 23:46

Instrument :
 BNA_F
 ClientSampleId :
 191-94-(0-1)

Tot Ion	82	Resp	126978
Ion Ratio	100	Lower	Upper
82	100		
128	39.4	32.2	48.2
54	40.7	34.2	51.2

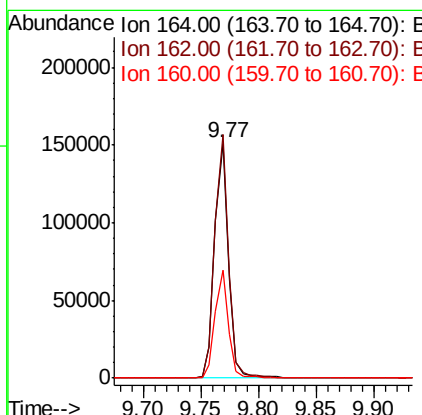
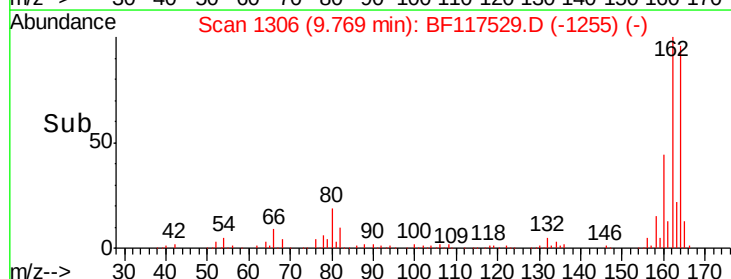
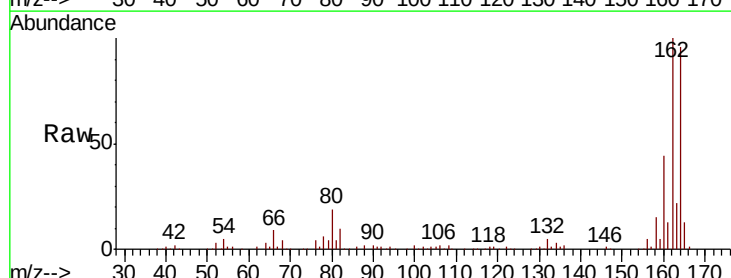
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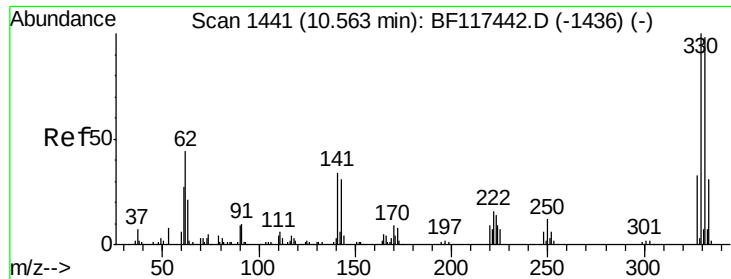
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: BF117529.D
 Acq: 24 Oct 2019 23:46

Tgt Ion	164	Resp	126767
Ion Ratio	100	Lower	Upper
164	100		
162	103.6	81.8	122.6
160	45.7	34.4	51.6





#42

2,4,6-Tribromophenol

Concen: 27.356 ng

RT: 10.56 min Scan# 1441

Delta R.T. 0.00 min

Lab File: BF117529.D

Acq: 24 Oct 2019 23:46

Instrument :

BNA_F

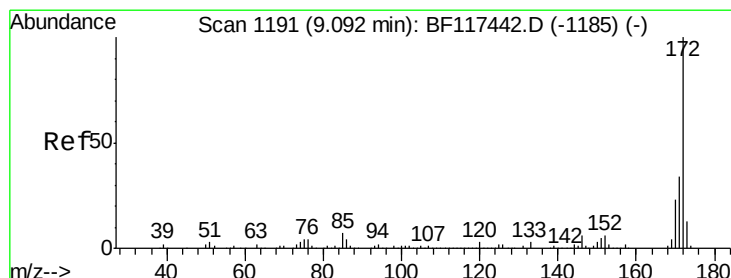
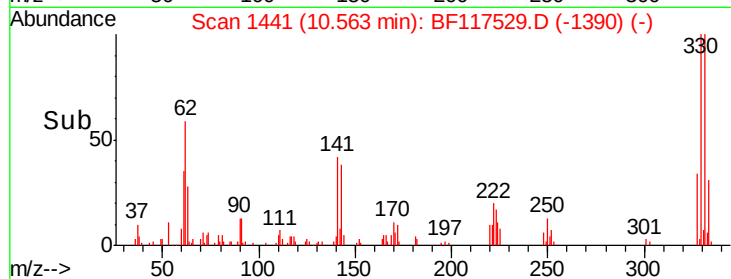
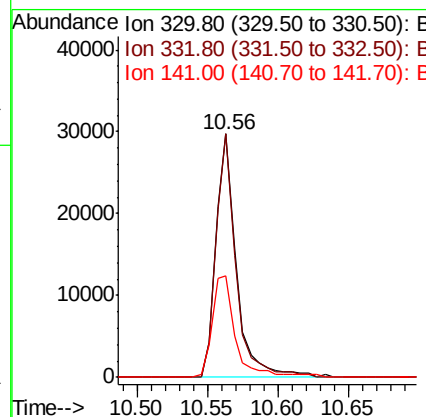
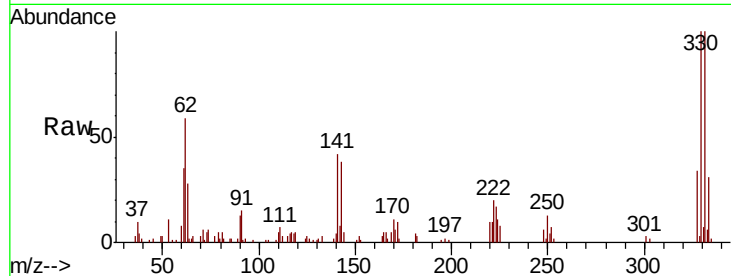
ClientSampleId :

191-94-(0-1)

Tot Ion:	330	Resp:	30006
Ion Ratio	Lower	Upper	
330	100		
332	97.2	78.5	117.7
141	47.7	37.0	55.6

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#45

2-Fluorobiphenyl

Concen: 21.670 ng

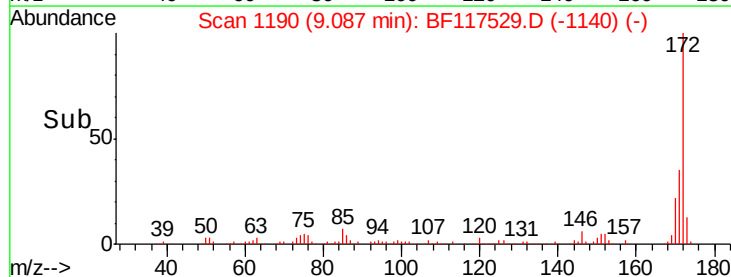
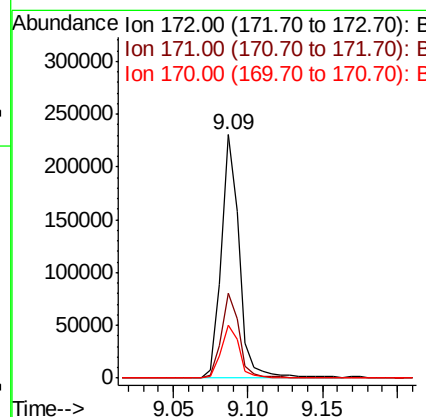
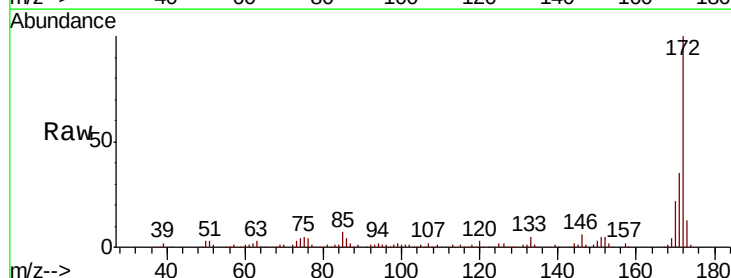
RT: 9.09 min Scan# 1190

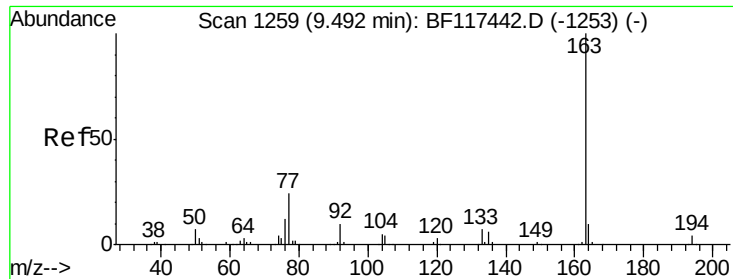
Delta R.T. -0.01 min

Lab File: BF117529.D

Acq: 24 Oct 2019 23:46

Tgt Ion:	172	Resp:	194962
Ion Ratio	Lower	Upper	
172	100		
171	35.1	27.5	41.3
170	21.8	18.6	27.8





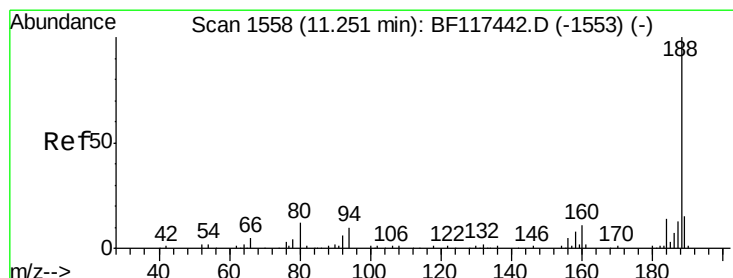
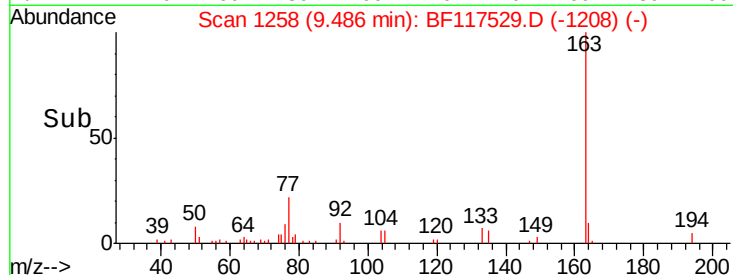
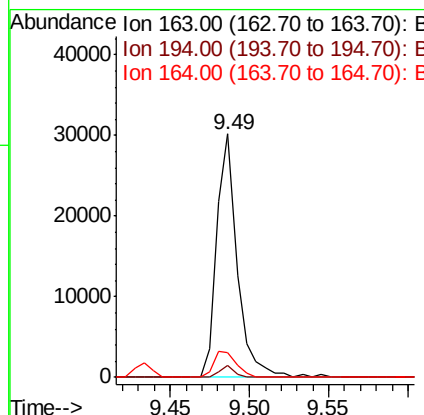
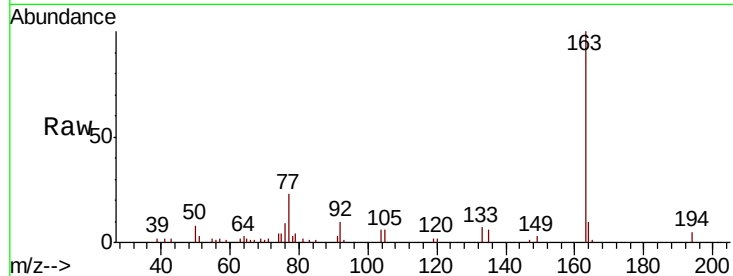
#50
Dimethylphthalate
Concen: 3.022 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF117529.D
Acq: 24 Oct 2019 23:46

Instrument :
BNA_F
ClientSampleId :
191-94-(0-1)

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.8	2.9	4.3#
164	10.0	8.2	12.2

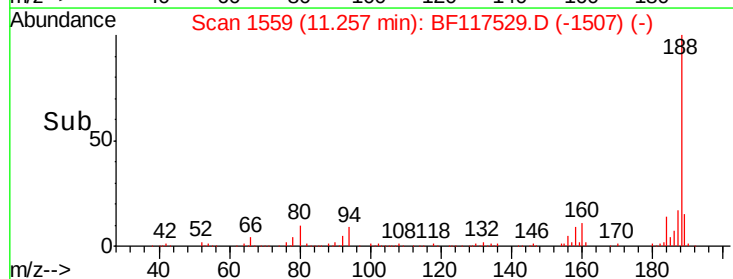
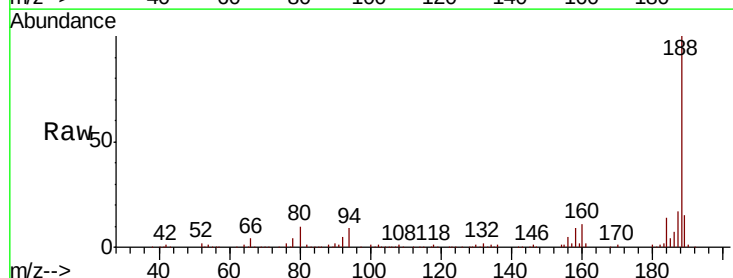
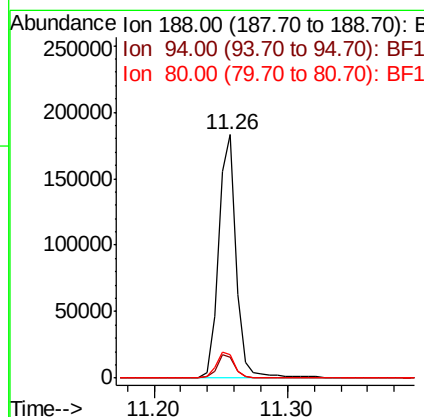
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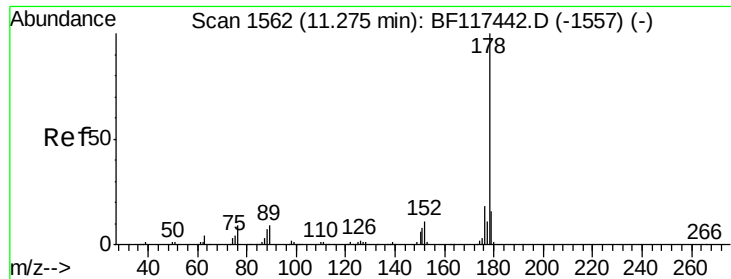
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1559
Delta R.T. 0.01 min
Lab File: BF117529.D
Acq: 24 Oct 2019 23:46

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.0	12.0
80	9.5	9.5	14.3#





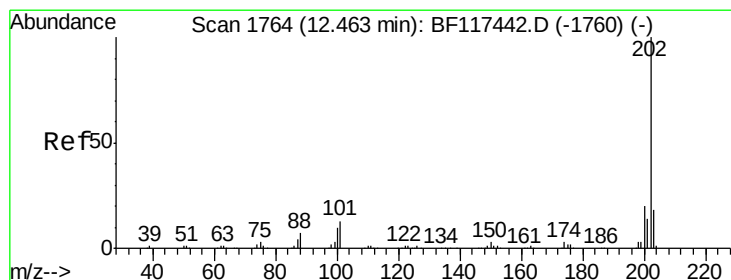
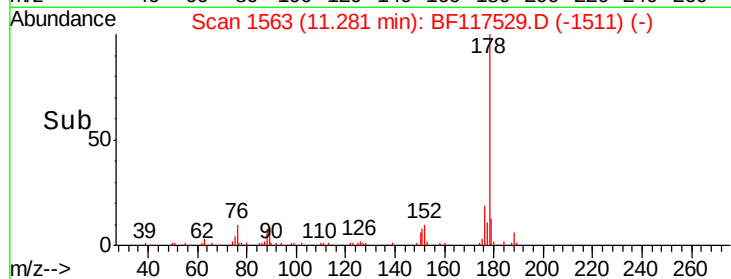
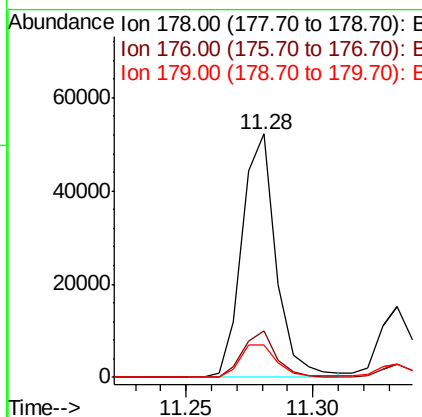
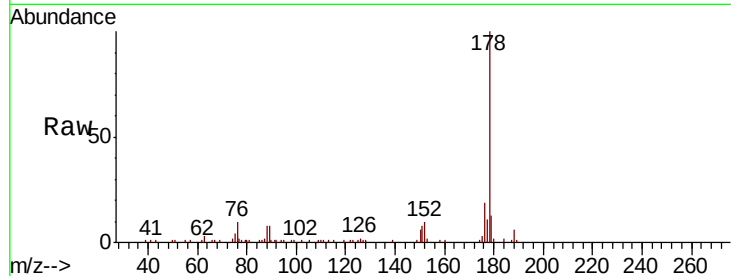
#71
Phenanthrene
Concen: 4.924 ng
RT: 11.28 min Scan# 1563
Delta R.T. 0.01 min
Lab File: BF117529.D
Acq: 24 Oct 2019 23:46

Instrument :
BNA_F
ClientSampleId :
191-94-(0-1)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.6	22.0
179	13.4	12.6	19.0

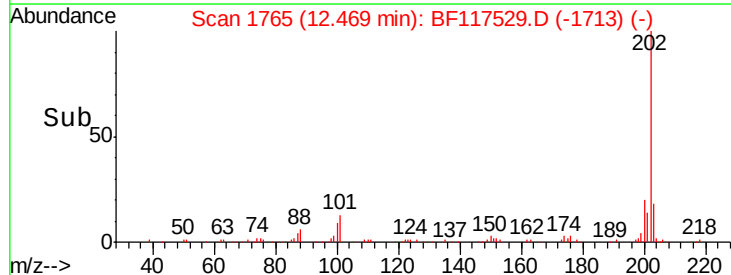
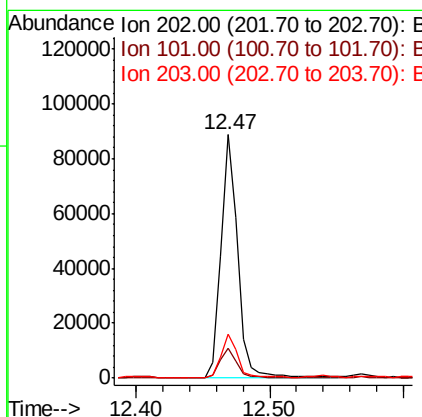
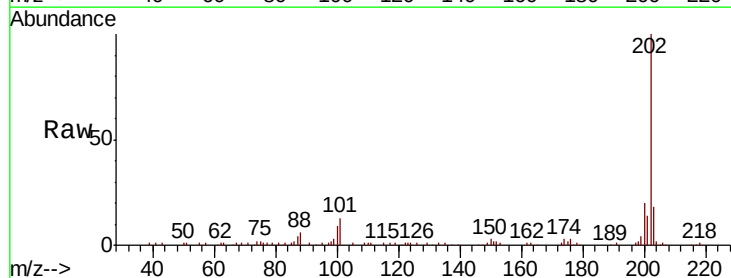
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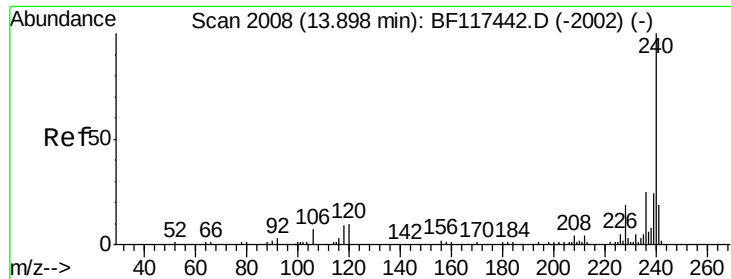
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#75
Fluoranthene
Concen: 8.043 ng
RT: 12.47 min Scan# 1765
Delta R.T. 0.01 min
Lab File: BF117529.D
Acq: 24 Oct 2019 23:46

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	32.7
203	17.8	0.0	37.6





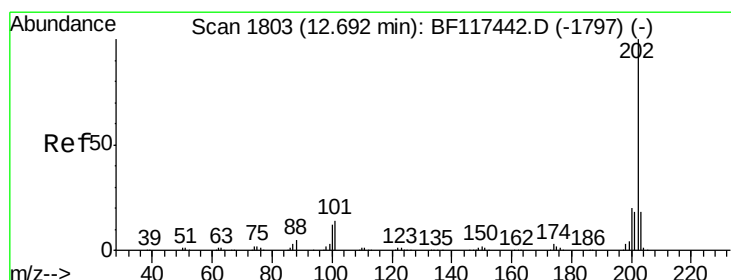
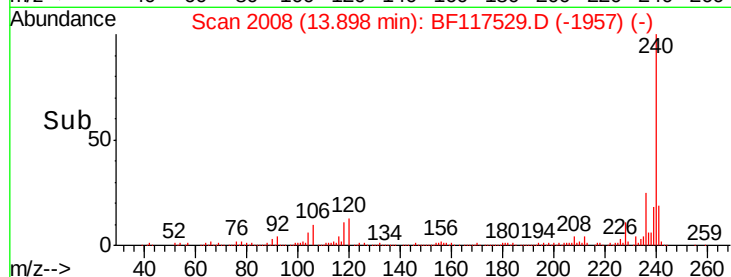
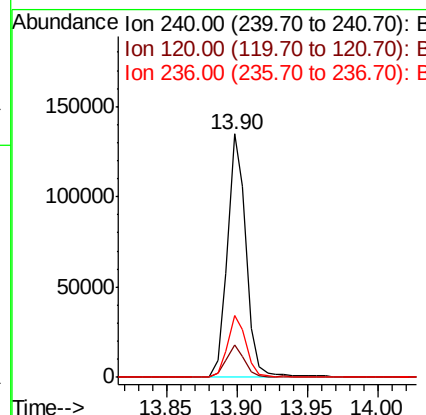
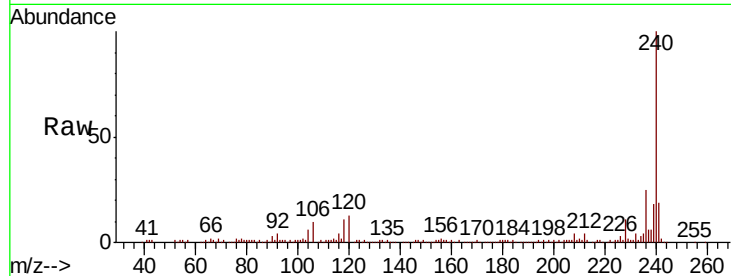
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2008
Delta R.T. 0.00 min
Lab File: BF117529.D
Acq: 24 Oct 2019 23:46

Instrument :
BNA_F
ClientSampleId :
191-94-(0-1)

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	13.4	8.4	12.6#
236	25.2	20.0	30.0

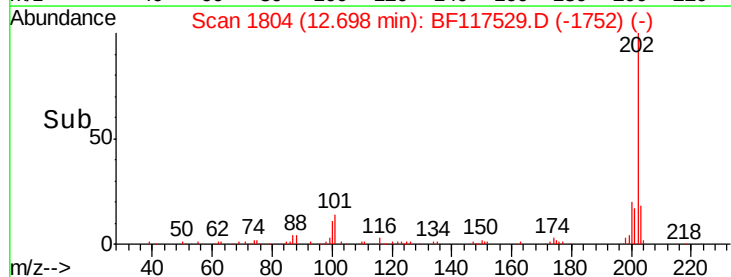
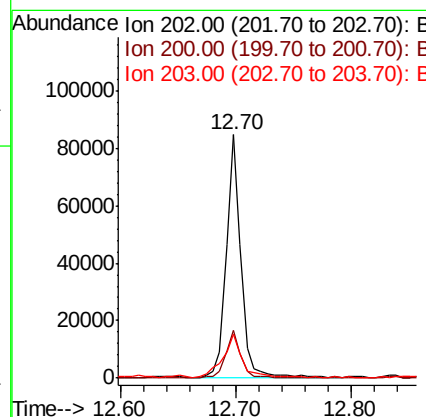
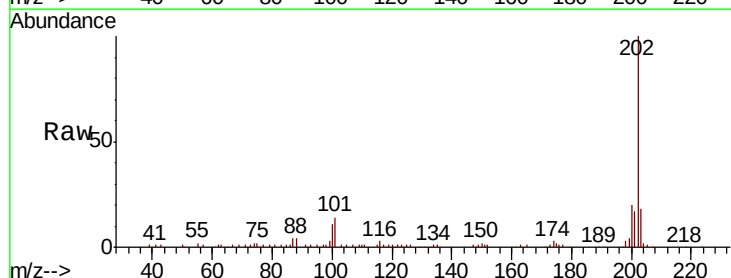
Manual Integrations
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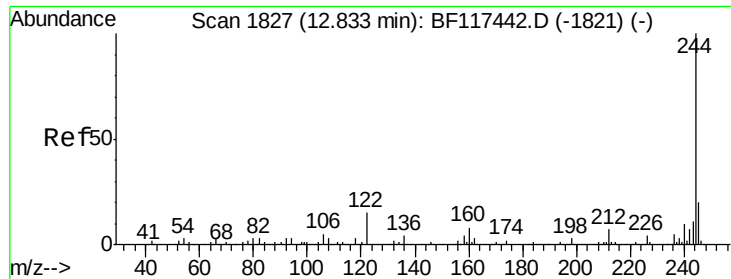
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#78
Pyrene
Concen: 7.130 ng
RT: 12.70 min Scan# 1804
Delta R.T. 0.01 min
Lab File: BF117529.D
Acq: 24 Oct 2019 23:46

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	19.8	16.2	24.2
203	18.1	14.0	21.0





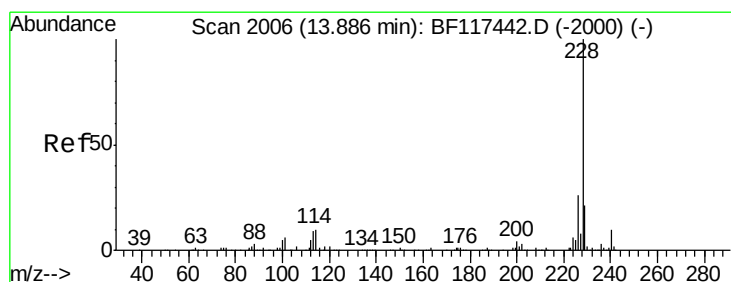
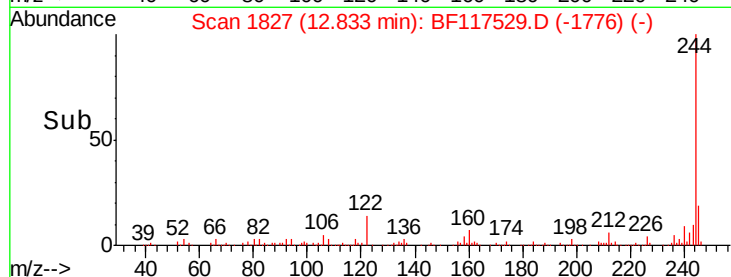
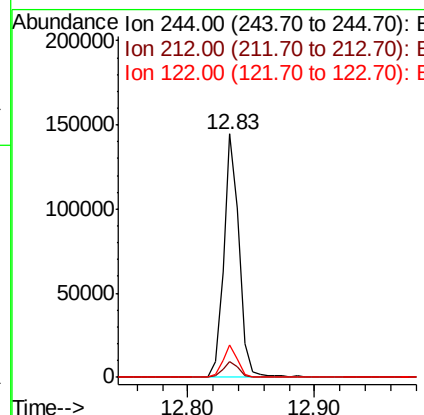
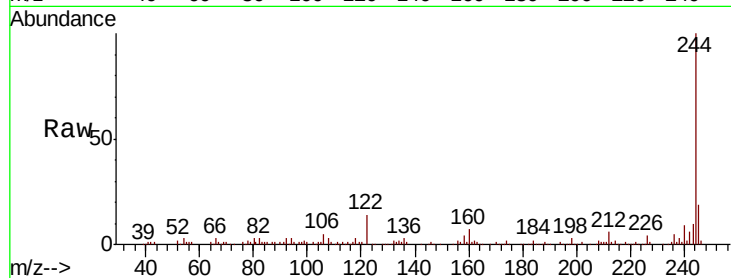
#79
 Terphenyl-d14
 Concen: 16.307 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. 0.00 min
 Lab File: BF117529.D
 Acq: 24 Oct 2019 23:46

Instrument :
 BNA_F
 ClientSampleId :
 191-94-(0-1)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.8	8.6
122	13.5	11.8	17.8

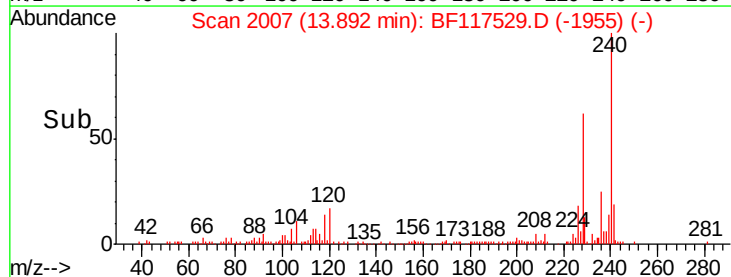
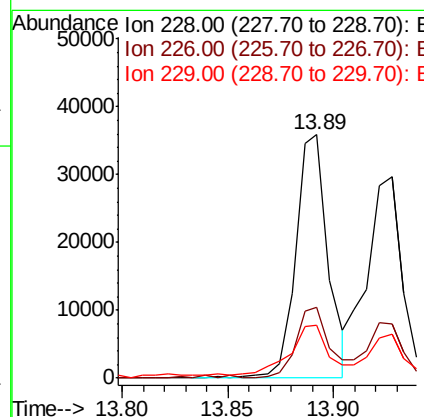
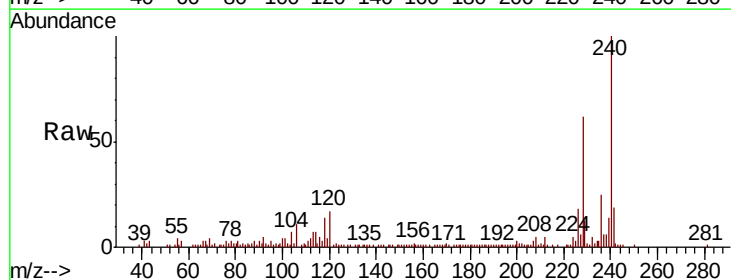
Manual Integrations
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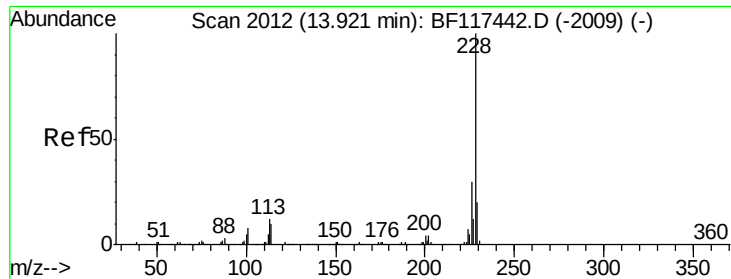
mohammad
 10/26/2019 10:03:32 AM



#81
 Benzo(a)anthracene
 Concen: 4.568 ng
 RT: 13.89 min Scan# 2007
 Delta R.T. 0.01 min
 Lab File: BF117529.D
 Acq: 24 Oct 2019 23:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	21.0	31.4
229	21.5	16.4	24.6





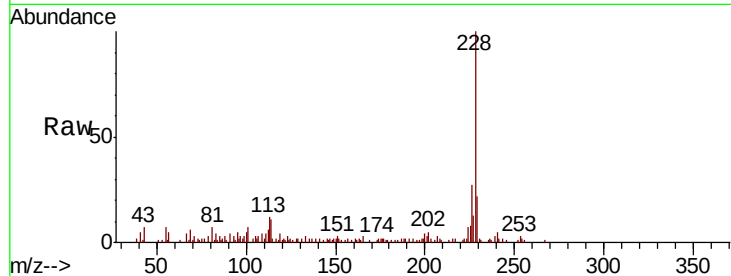
#83
Chrysene
Concen: 4.398 ng
RT: 13.93 min Scan# 2013
Delta R.T. 0.01 min
Lab File: BF117529.D
Acq: 24 Oct 2019 23:46

Instrument :
BNA_F
ClientSampleId :
191-94-(0-1)

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.7	23.9	35.9
229	21.6	15.8	23.6

Manual Integrations
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10/26/2019 10:03:32 AM

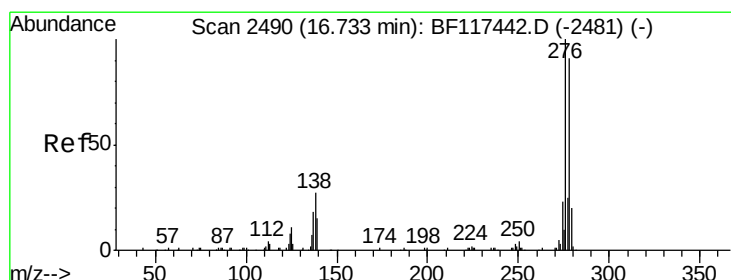
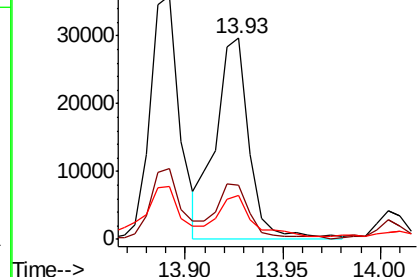
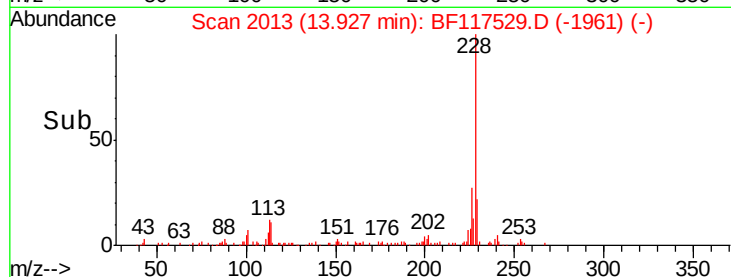


Abundance

Ion 228.00 (227.70 to 228.70): E

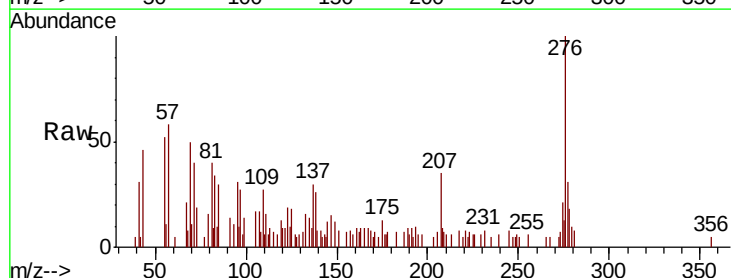
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.290 ng
RT: 16.75 min Scan# 2493
Delta R.T. 0.02 min
Lab File: BF117529.D
Acq: 24 Oct 2019 23:46

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.2	21.8	32.8
277	31.5	20.0	30.0#

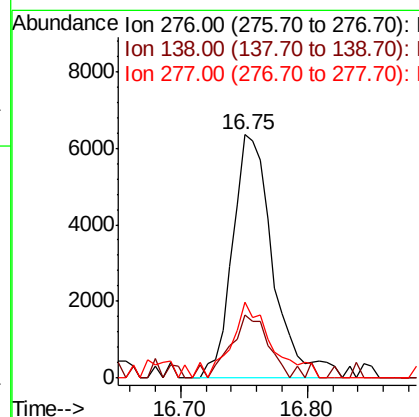
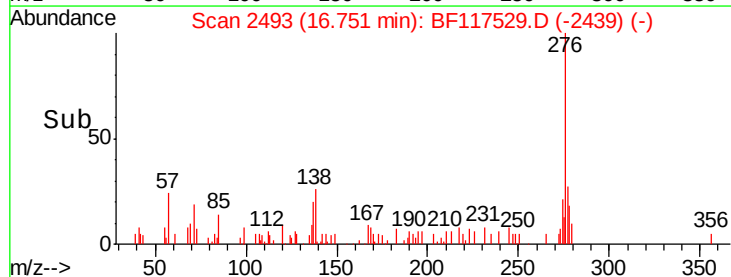


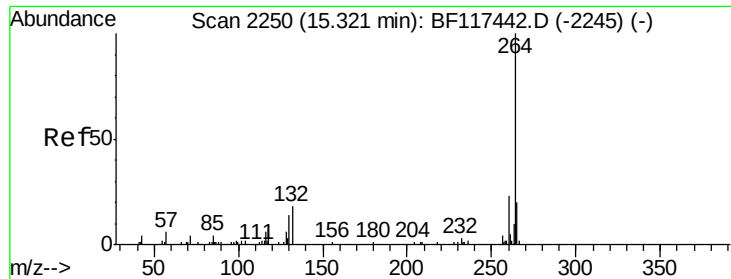
Abundance

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

Pervlene-d12

Concen: 20.000 ng

RT: 15.33 min Scan# 2252

Delta R.T. 0.01 min

Lab File: BF117529.D

Acq: 24 Oct 2019 23:46

Instrument :

BNA_F

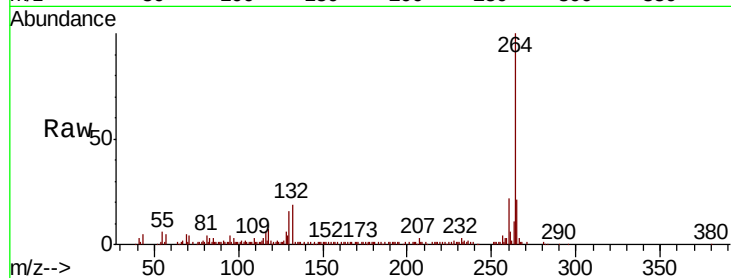
ClientSampleId :

191-94-(0-1)

Tot Ion:	264	Resp:	95297
Ion Ratio	Lower	Upper	
264	100		
260	21.9	18.4	27.6
265	21.0	16.1	24.1

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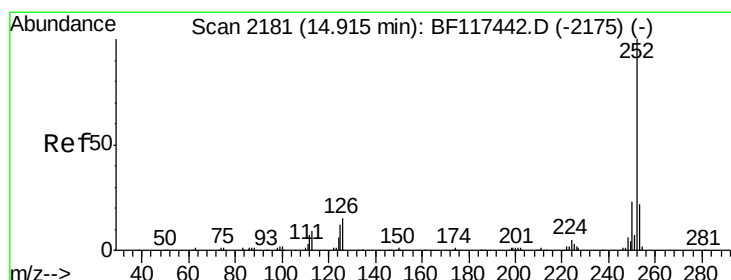
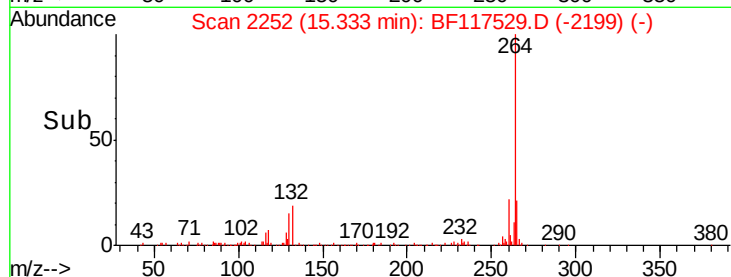
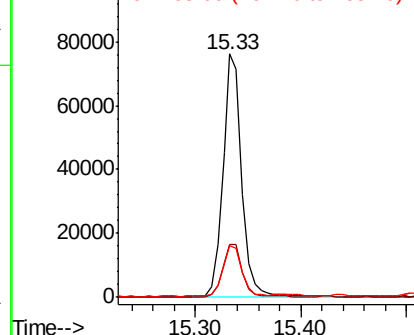


Abundance

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: 6.333 ng m

RT: 14.93 min Scan# 2183

Delta R.T. 0.01 min

Lab File: BF117529.D

Acq: 24 Oct 2019 23:46

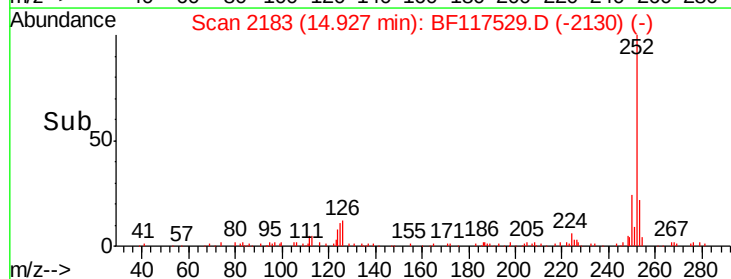
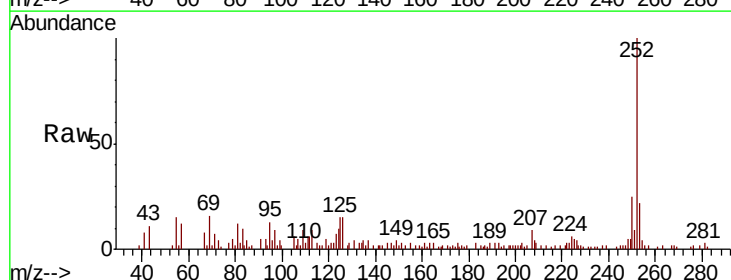
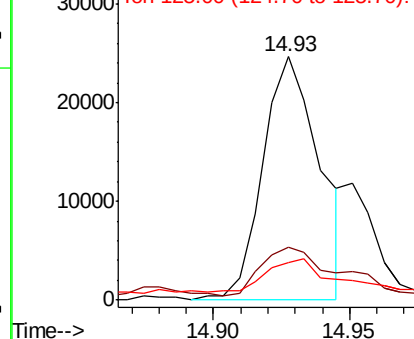
Tgt Ion:	252	Resp:	35636
Ion Ratio	Lower	Upper	
252	100		
253	21.7	17.8	26.6
125	15.4	9.9	14.9#

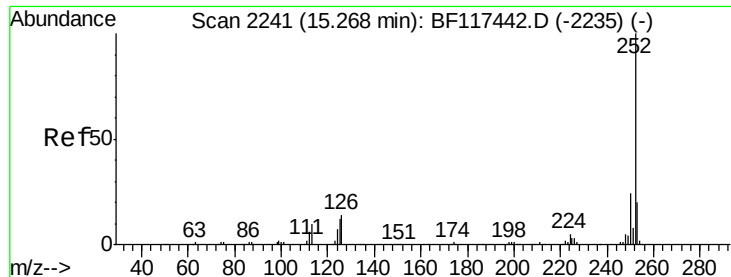
Abundance

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





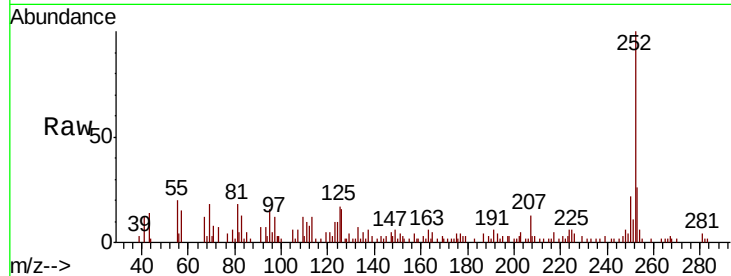
#90
Benzo(a)pyrene
Concen: 4.474 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF117529.D
Acq: 24 Oct 2019 23:46

Instrument :
BNA_F
ClientSampleId :
191-94-(0-1)

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.6	16.3	24.5#
125	16.6	9.2	13.8#

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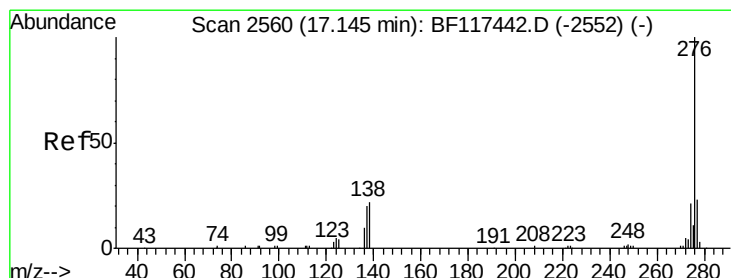
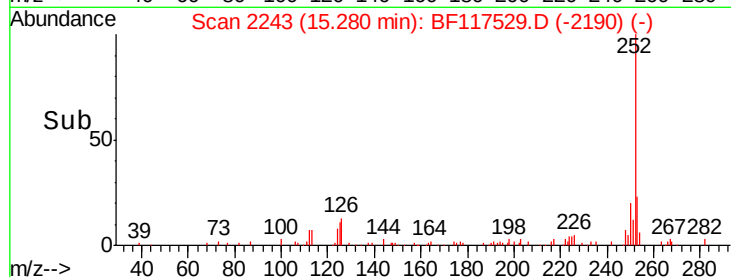
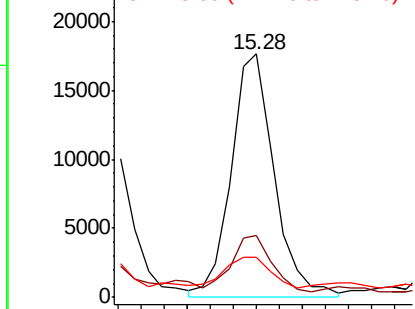


Abundance

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



#92
Benzo(g,h,i)perylene
Concen: 2.965 ng
RT: 17.19 min Scan# 2567
Delta R.T. 0.04 min
Lab File: BF117529.D
Acq: 24 Oct 2019 23:46

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.5	18.4	27.6#
138	26.6	17.8	26.6

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

