

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
 Data File : BF117639.D
 Acq On : 31 Oct 2019 2:14
 Operator : JU
 Sample : K5563-01DL 2X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILEDL

Manual Integrations
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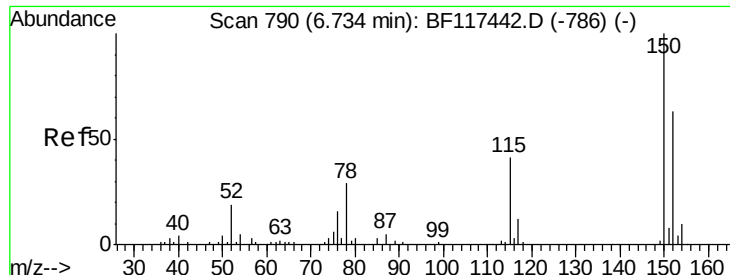
Quant Time: Oct 31 08:02:40 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	33678	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	141065	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	66729	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	98337	20.00	ng	0.00
76) Chrysene-d12	13.90	240	76120	20.00	ng	0.00
87) Perylene-d12	15.33	264	69247	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	73956	32.67	ng	0.01
7) Phenol-d6	6.39	99	112635	37.05	ng	0.01
23) Nitrobenzene-d5	7.30	82	63735	22.31	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	16631	28.80	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	94364	19.93	ng	-0.01
79) Terphenyl-d14	12.83	244	74314	15.92	ng	0.00

Target Compounds				Qvalue		
50) Dimethylphthalate	9.48	163	17835	3.749	ng	# 95
52) Acenaphthene	9.79	154	17985	4.791	ng	97
55) Dibenzofuran	9.97	168	15676	2.883	ng	98
58) Fluorene	10.32	166	23115	5.140	ng	99
71) Phenanthrene	11.27	178	278087	48.701	ng	99
72) Anthracene	11.33	178	69685	11.894	ng	99
73) Carbazole	11.49	167	23881	4.460	ng	97
75) Fluoranthene	12.47	202	305354	53.419	ng	100
78) Pyrene	12.70	202	242744	37.126	ng	99
81) Benzo(a)anthracene	13.89	228	121908	23.742	ng	100
83) Chrysene	13.92	228	103513	20.570	ng	97
86) Indeno(1,2,3-cd)pyrene	16.76	276	32020	8.523	ng	96
88) Benzo(b)fluoranthene	14.93	252	114173m	27.921	ng	
89) Benzo(k)fluoranthene	14.95	252	29411m	7.017	ng	
90) Benzo(a)pyrene	15.28	252	70562	18.979	ng	# 94
91) Dibenzo(a,h)anthracene	16.75	278	8477	2.637	ng	# 82
92) Benzo(a,h,i)perylene	17.19	276	26855	8.829	ng	# 91

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



#1

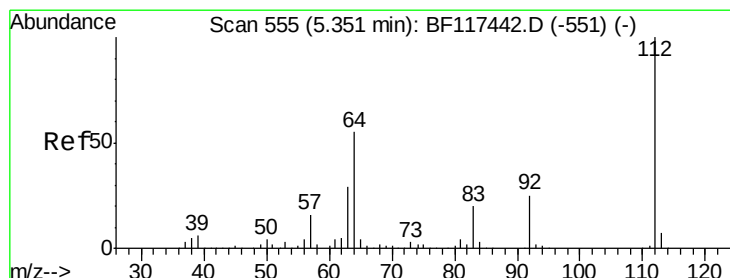
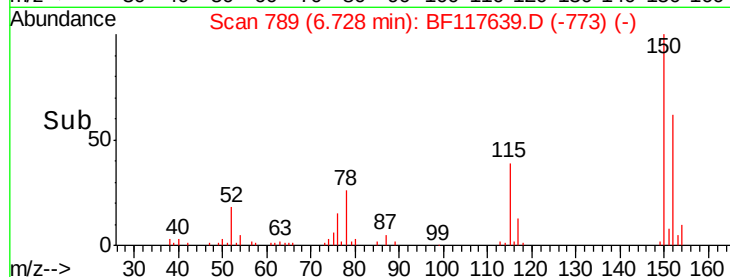
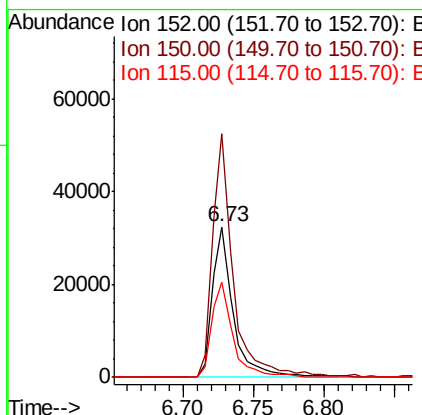
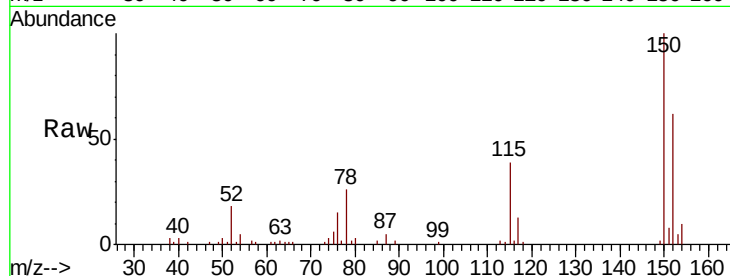
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117639.D
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Instrument :
BNA_F
ClientSampleId :
STOCKPILEDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.1	126.8	190.2
115	63.0	51.6	77.4

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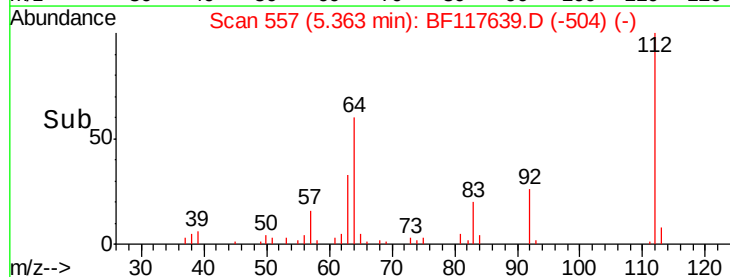
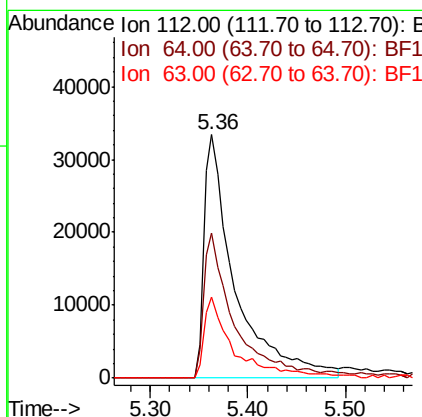
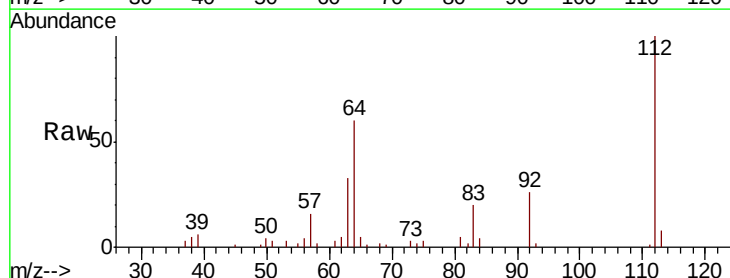
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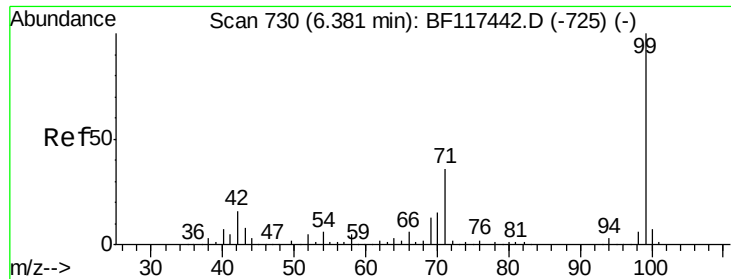


#5

2-Fluorophenol
Concen: 32.670 ng
RT: 5.36 min Scan# 557
Delta R.T. 0.01 min
Lab File: BF117639.D
Acq: 31 Oct 2019 2:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.8	44.1	66.1
63	33.2	23.4	35.2





#7

Phenol-d6

Concen: 37.045 ng

RT: 6.39 min Scan# 732

Delta R.T. 0.01 min

Lab File: BF117639.D

Acq: 31 Oct 2019 2:14

Instrument :

BNA_F

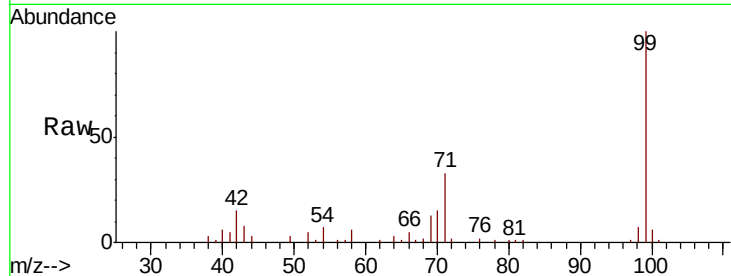
ClientSampleId :

STOCKPILEDL

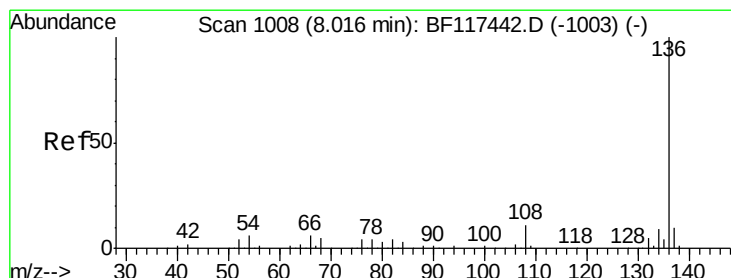
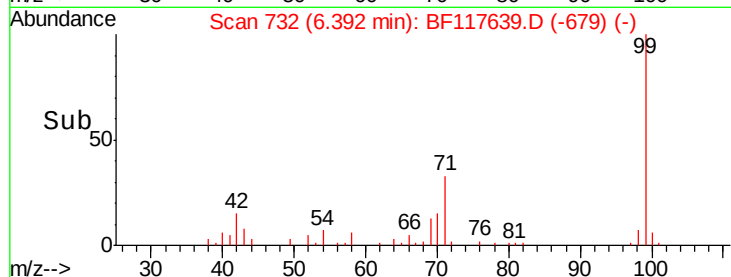
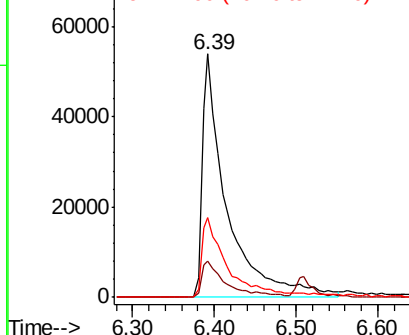
Tot Ion:	99	Resp:	112635
Ion Ratio	Lower	Upper	
99	100		
42	14.7	12.8	19.2
71	32.8	28.6	43.0

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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: 8.01 min Scan# 1007

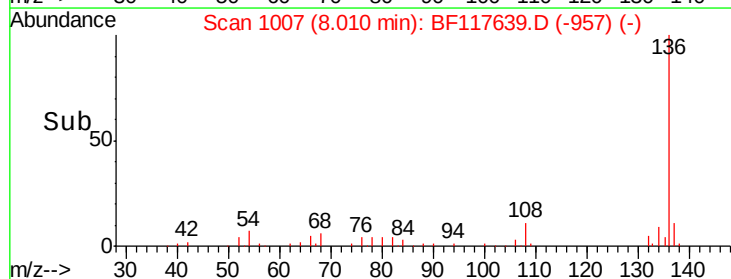
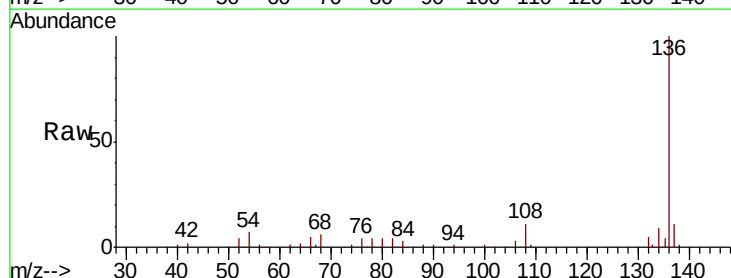
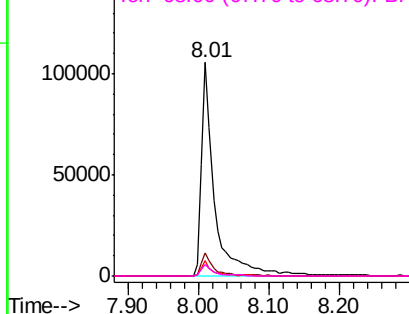
Delta R.T. -0.01 min

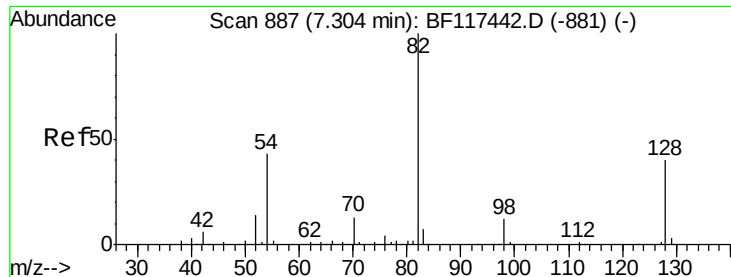
Lab File: BF117639.D

Acq: 31 Oct 2019 2:14

Tgt Ion:	136	Resp:	141065
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.2	12.4
54	7.1	4.5	6.7#
68	5.6	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: 22.305 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.01 min

Lab File: BF117639.D

Acq: 31 Oct 2019 2:14

Instrument :

BNA_F

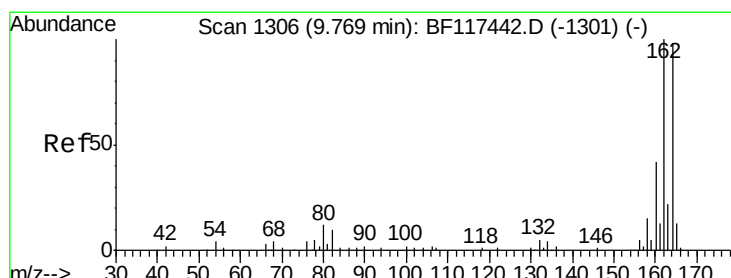
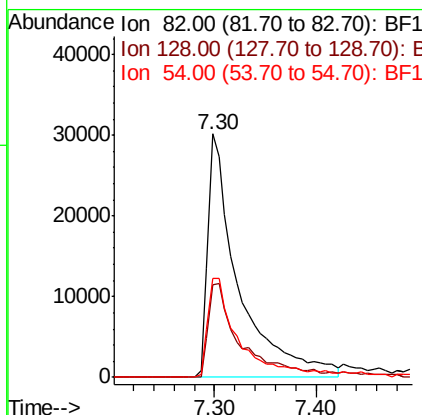
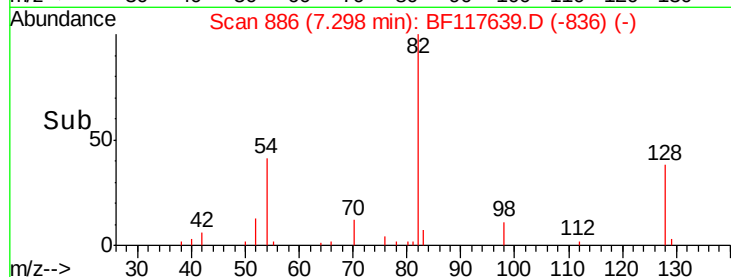
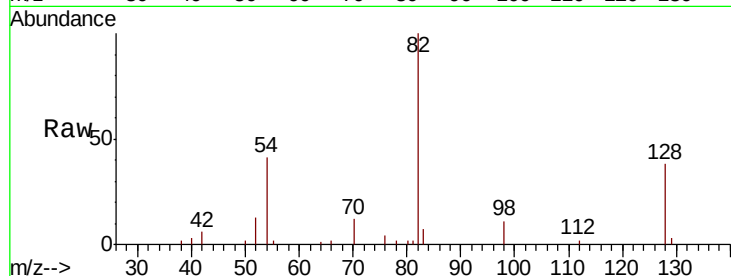
ClientSampleId :

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Tot Ion:	82	Resp:	63735
Ion Ratio	Lower	Upper	
82	100		
128	38.2	32.2	48.2
54	40.6	34.2	51.2

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#39

Acenaphthene-d10

Concen: 20.000 ng

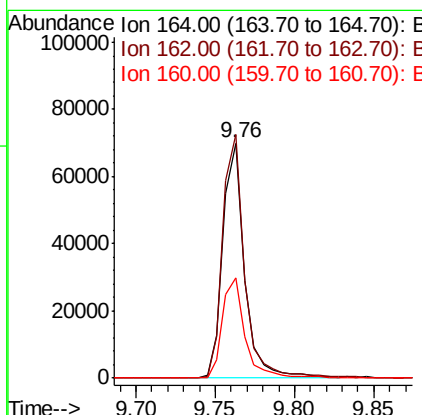
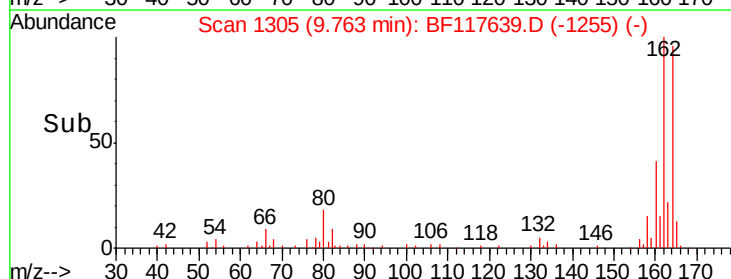
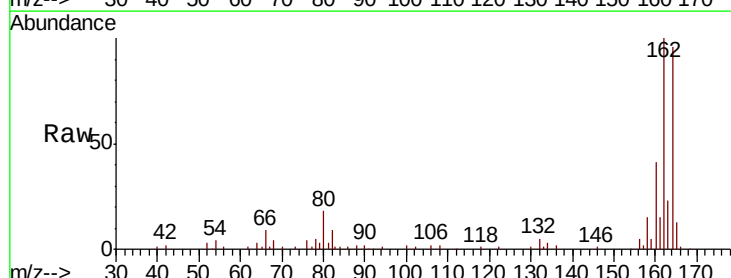
RT: 9.76 min Scan# 1305

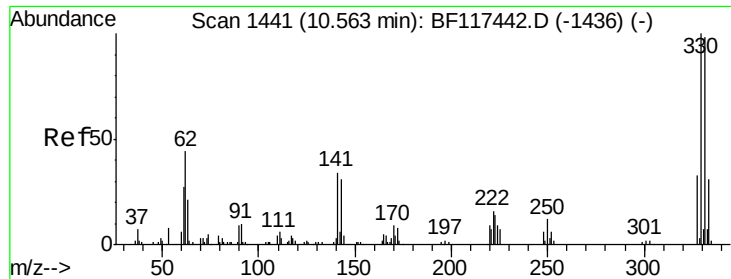
Delta R.T. -0.01 min

Lab File: BF117639.D

Acq: 31 Oct 2019 2:14

Tgt Ion:	164	Resp:	66729
Ion Ratio	Lower	Upper	
164	100		
162	103.7	81.8	122.6
160	42.5	34.4	51.6





#42

2,4,6-Tribromophenol

Concen: 28.804 ng

RT: 10.56 min Scan# 1441

Delta R.T. -0.00 min

Lab File: BF117639.D

Acq: 31 Oct 2019 2:14

Instrument :

BNA_F

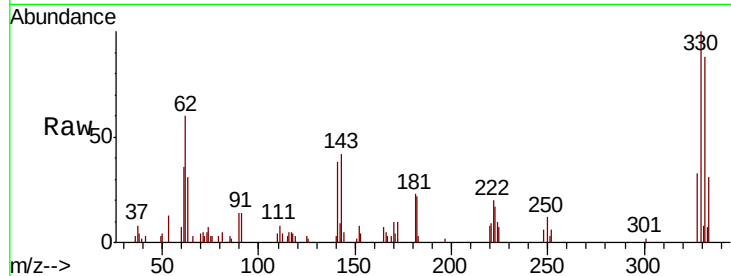
ClientSampleId :

STOCKPILEDL

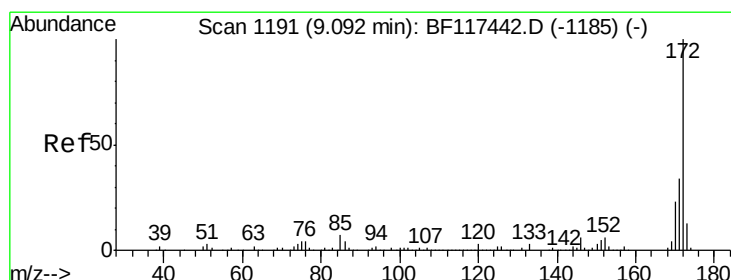
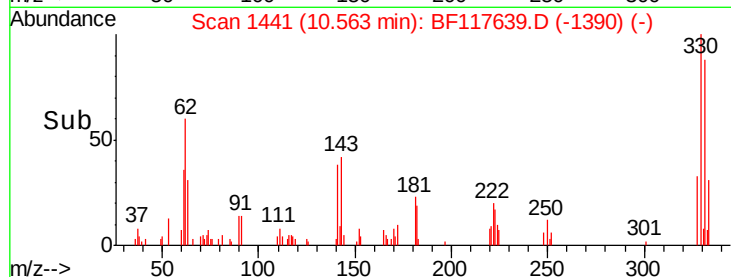
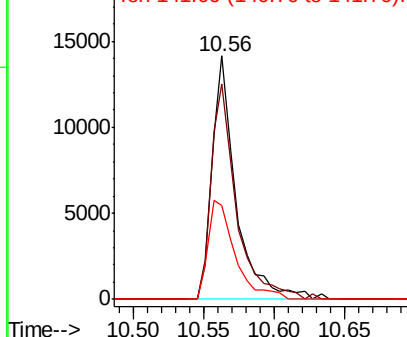
Tot Ion:	330	Resp:	16631
Ion Ratio	Lower	Upper	
330	100		
332	92.8	78.5	117.7
141	45.7	37.0	55.6

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 19.925 ng

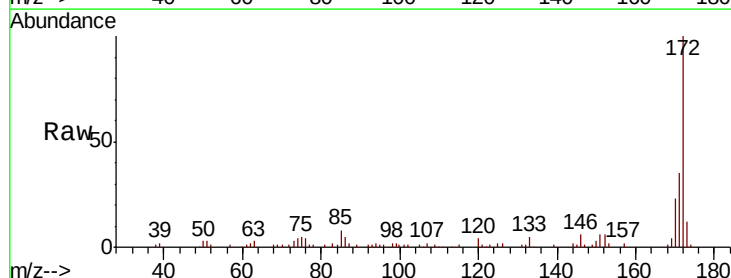
RT: 9.08 min Scan# 1189

Delta R.T. -0.01 min

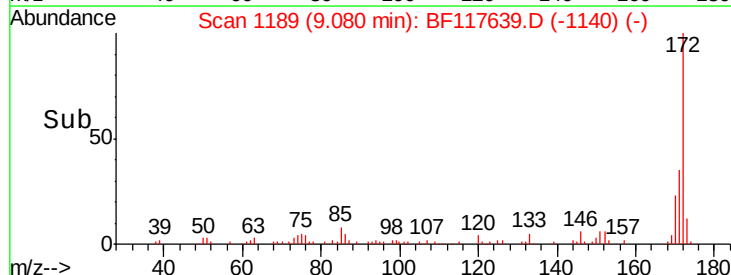
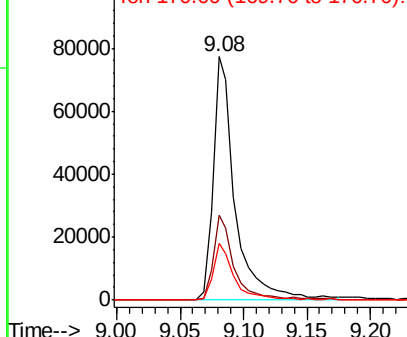
Lab File: BF117639.D

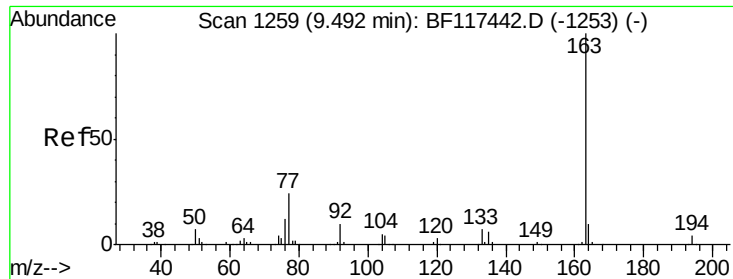
Acq: 31 Oct 2019 2:14

Tgt Ion:	172	Resp:	94364
Ion Ratio	Lower	Upper	
172	100		
171	34.8	27.5	41.3
170	23.4	18.6	27.8



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: 3.749 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BF117639.D

Acq: 31 Oct 2019 2:14

Instrument :

BNA_F

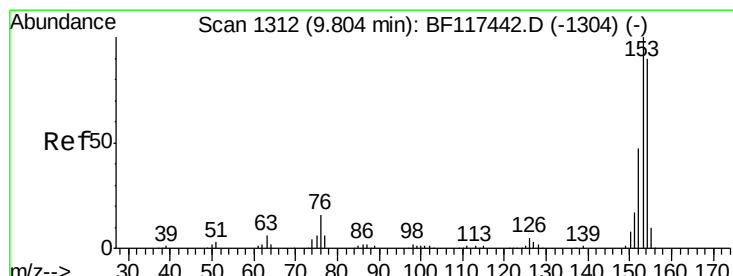
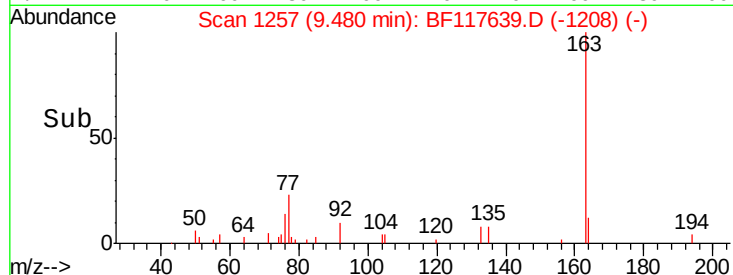
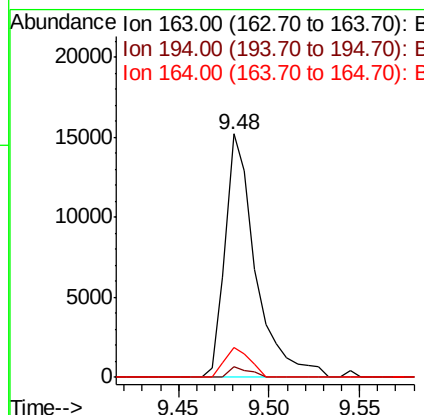
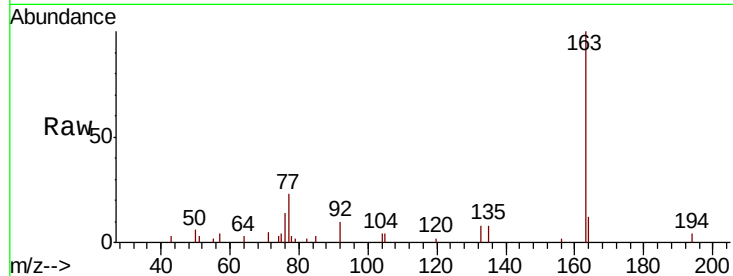
ClientSampleId :

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Tot Ion:	163	Resp:	17835
Ion Ratio	Lower	Upper	
163	100		
194	4.3	2.9	4.3
164	12.3	8.2	12.2

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#52

Acenaphthene

Concen: 4.791 ng

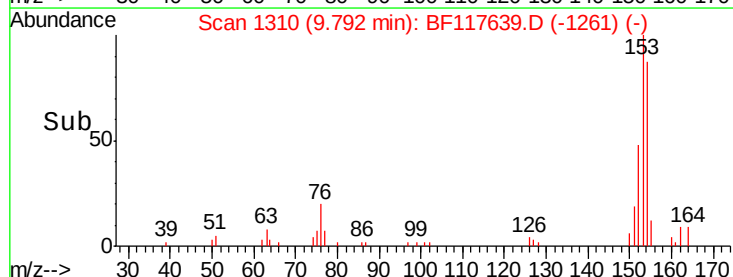
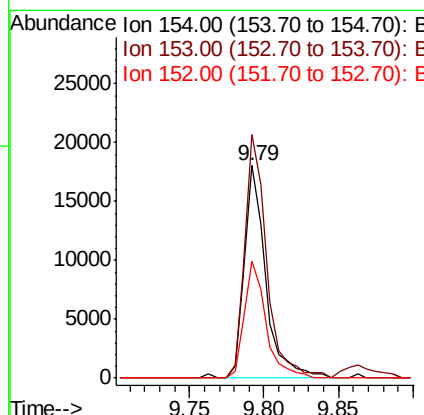
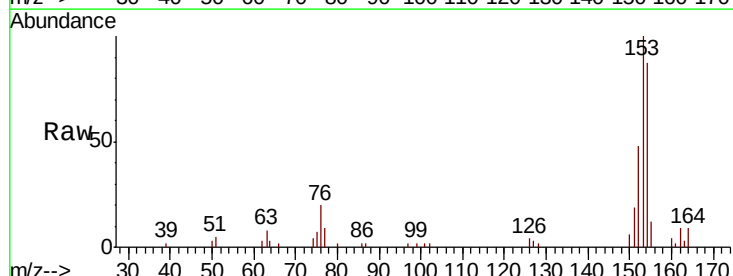
RT: 9.79 min Scan# 1310

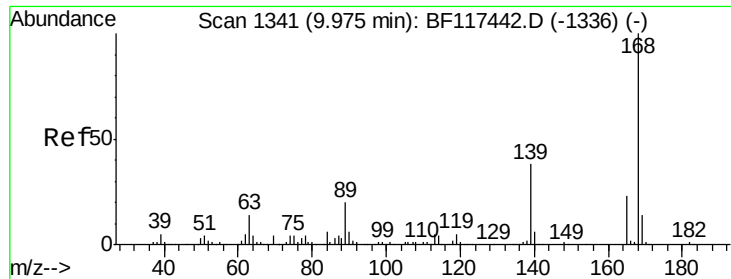
Delta R.T. -0.01 min

Lab File: BF117639.D

Acq: 31 Oct 2019 2:14

Tgt Ion:	154	Resp:	17985
Ion Ratio	Lower	Upper	
154	100		
153	114.6	89.2	133.8
152	55.0	41.8	62.6





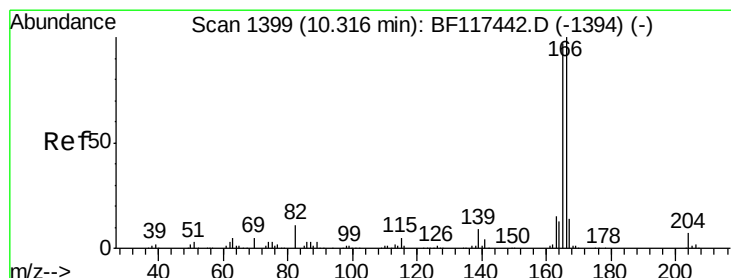
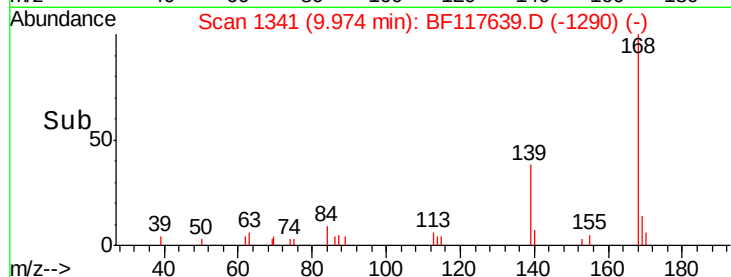
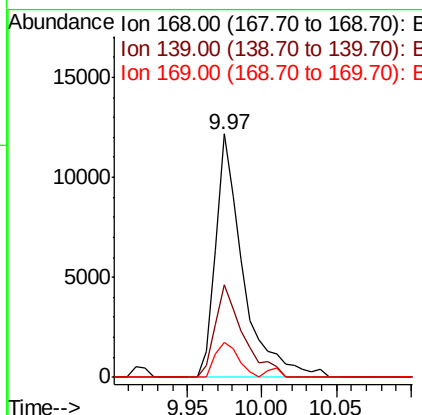
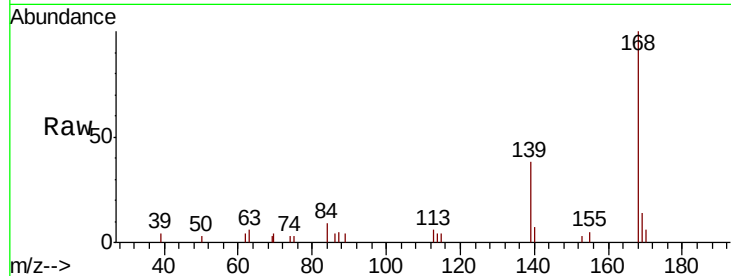
#55
Dibenzofuran
Concen: 2.883 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.00 min
Lab File: BF117639.D
Acq: 31 Oct 2019 2:14

Instrument :
BNA_F
ClientSampleId :
STOCKPILEDL

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.0	31.8	47.6
169	14.4	11.2	16.8

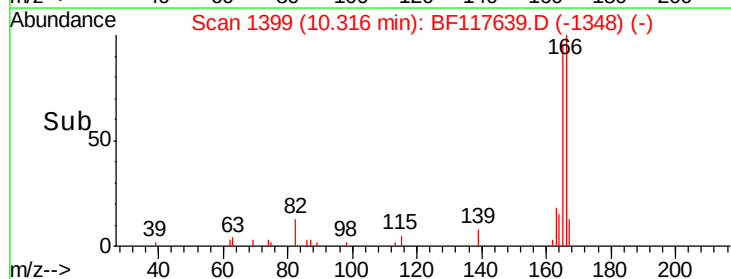
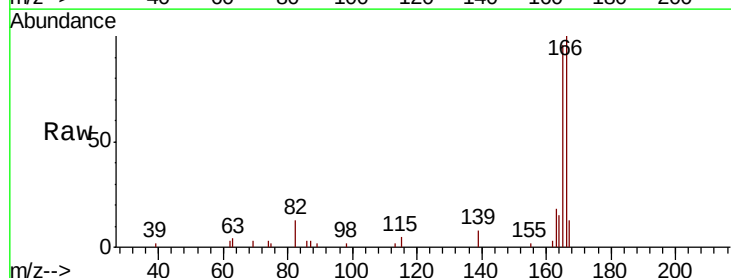
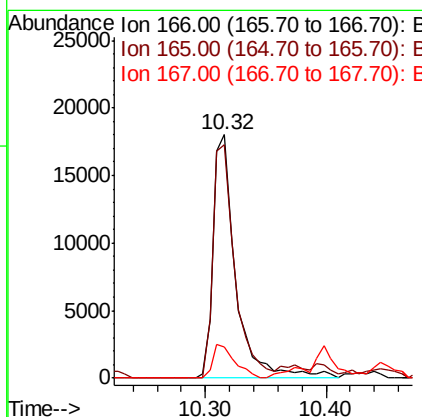
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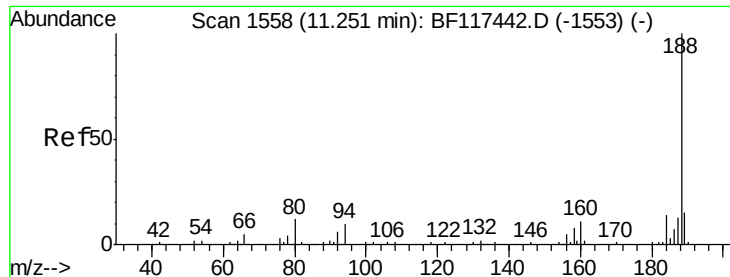
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#58
Fluorene
Concen: 5.140 ng
RT: 10.32 min Scan# 1399
Delta R.T. -0.00 min
Lab File: BF117639.D
Acq: 31 Oct 2019 2:14

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.7	77.6	116.4
167	12.8	11.0	16.4





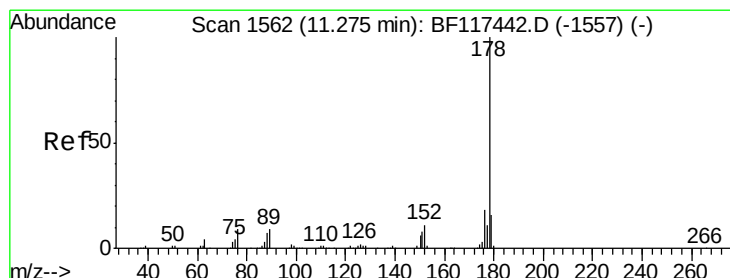
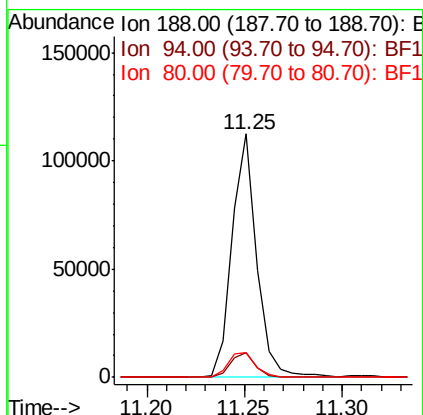
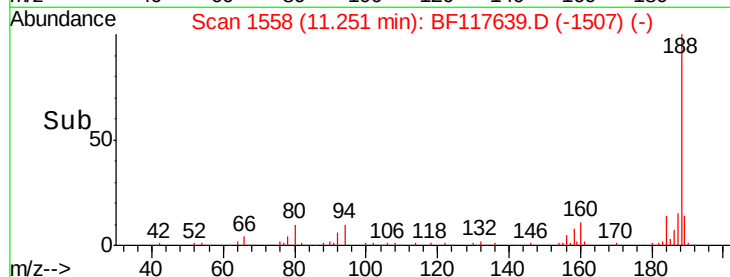
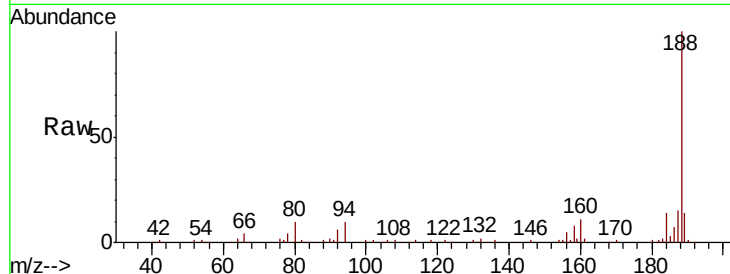
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BF117639.D
Acq: 31 Oct 2019 2:14

Instrument :
BNA_F
ClientSampleID :
STOCKPILEDL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.3	8.0	12.0
80	10.0	9.5	14.3

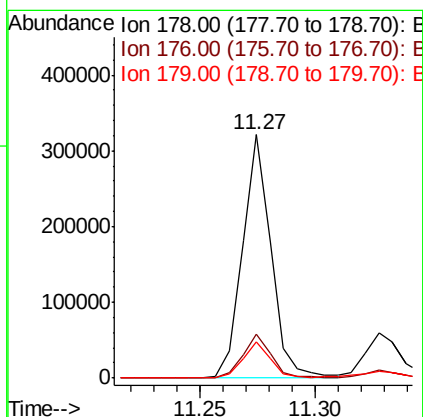
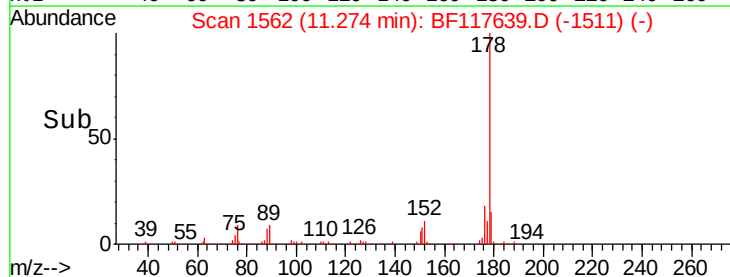
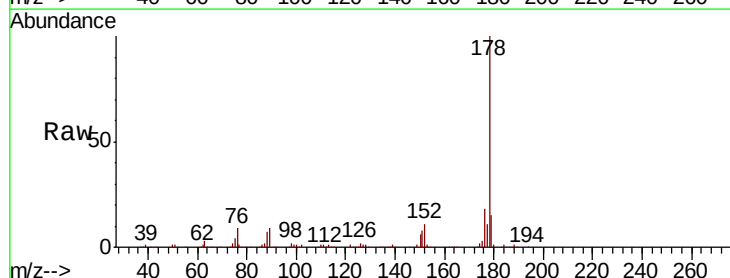
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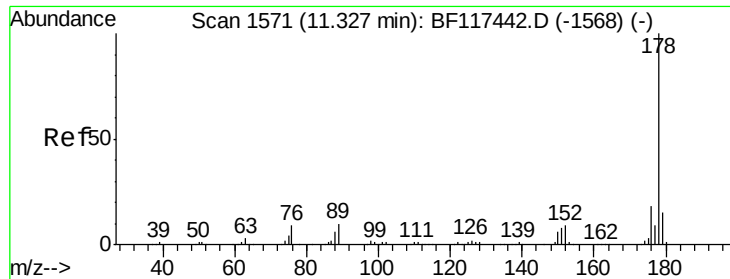
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#71
Phenanthrene
Concen: 48.701 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF117639.D
Acq: 31 Oct 2019 2:14

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.0	14.6	22.0
179	15.1	12.6	19.0





#72

Anthracene

Concen: 11.894 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BF117639.D

Acq: 31 Oct 2019 2:14

Instrument :

BNA_F

ClientSampleId :

STOCKPILEDL

Tot Ion:178 Resp: 69685

Ion Ratio Lower Upper

178 100

176 18.0 14.7 22.1

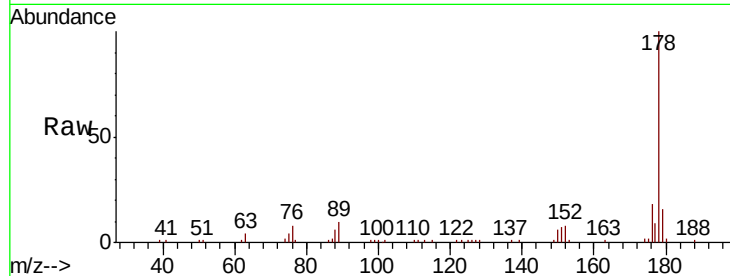
179 15.9 12.2 18.2

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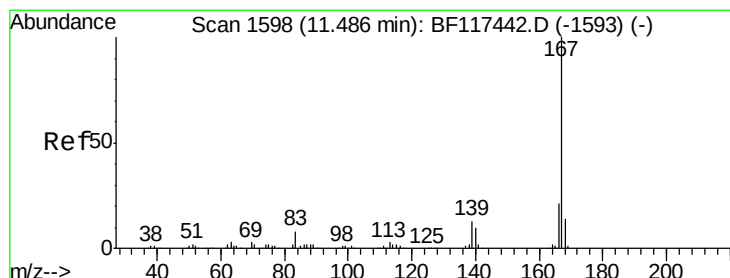
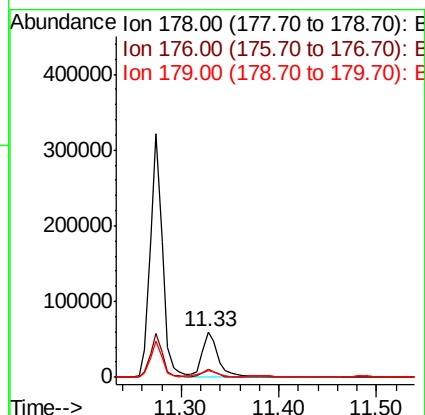
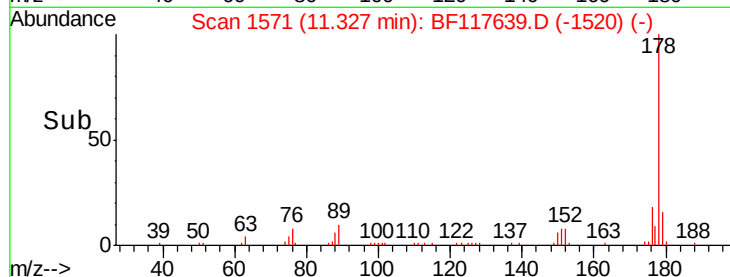
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 4.460 ng

RT: 11.49 min Scan# 1599

Delta R.T. 0.01 min

Lab File: BF117639.D

Acq: 31 Oct 2019 2:14

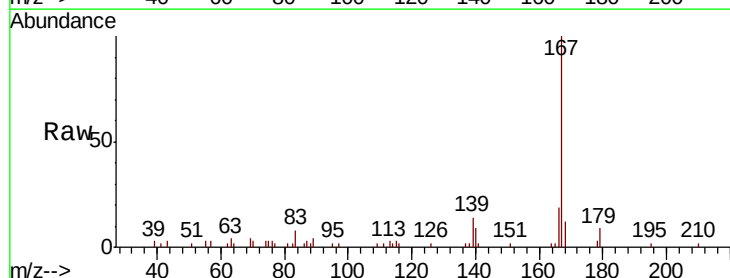
Tgt Ion:167 Resp: 23881

Ion Ratio Lower Upper

167 100

166 19.3 17.0 25.6

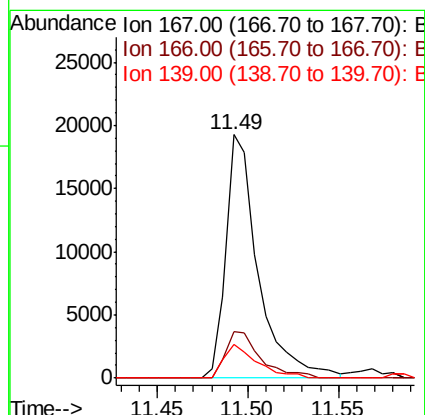
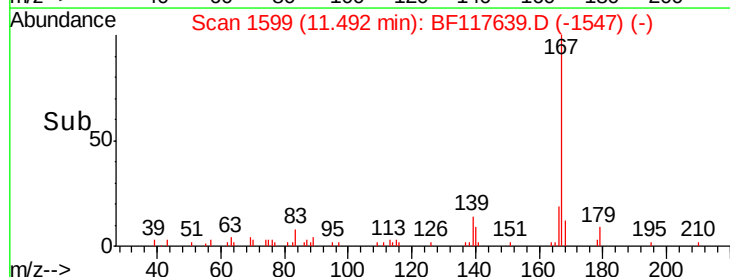
139 13.7 10.6 16.0

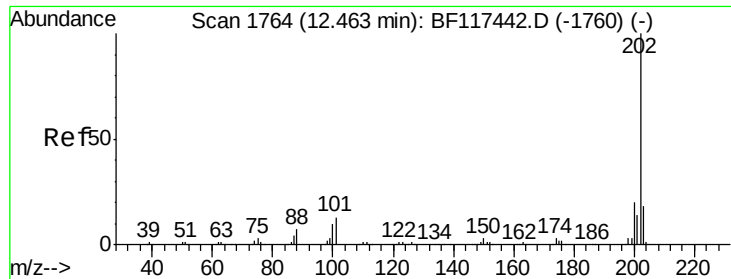


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 53.419 ng

RT: 12.47 min Scan# 1765

Delta R.T. 0.01 min

Lab File: BF117639.D

Acq: 31 Oct 2019 2:14

Instrument :

BNA_F

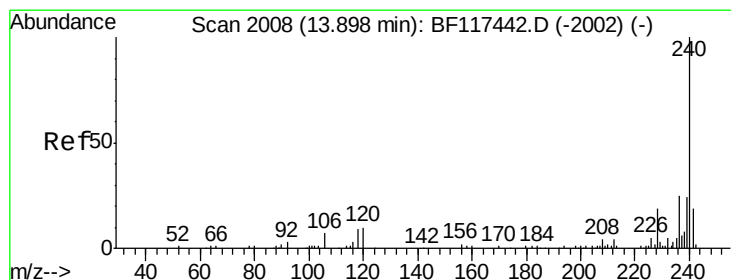
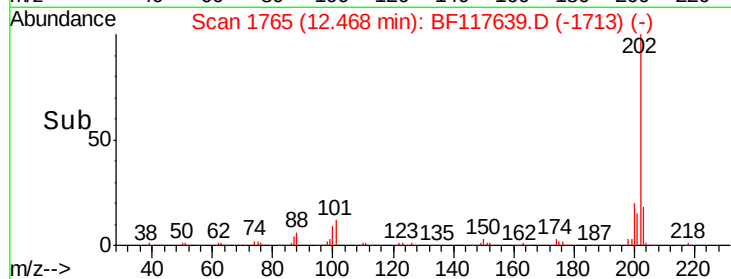
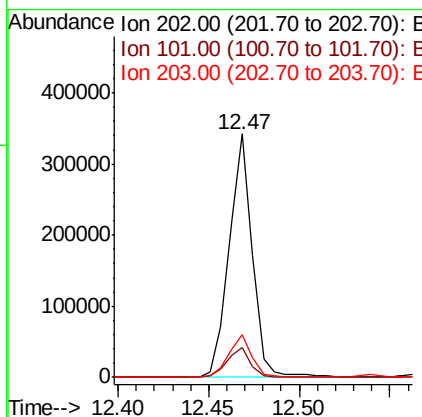
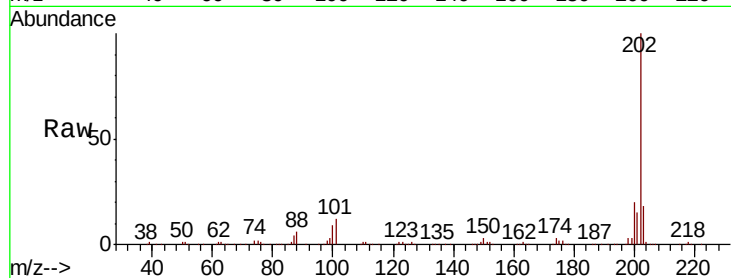
ClientSampleID :

STOCKPILEDL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.4	0.0	32.7
203	17.6	0.0	37.6

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#76

Chrysene-d12

Concen: 20.000 ng

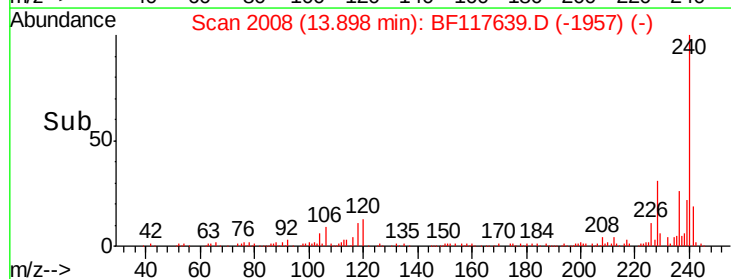
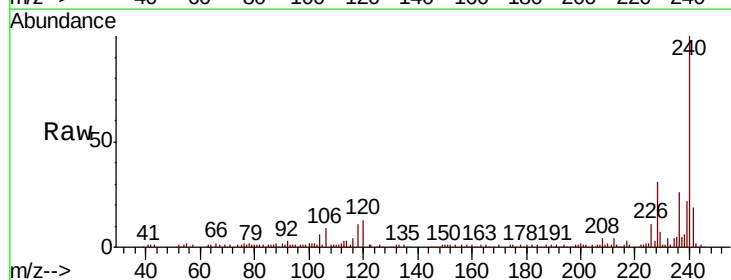
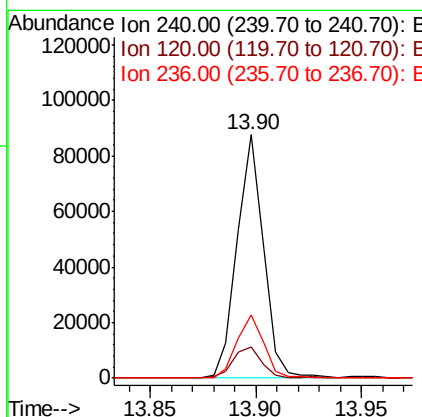
RT: 13.90 min Scan# 2008

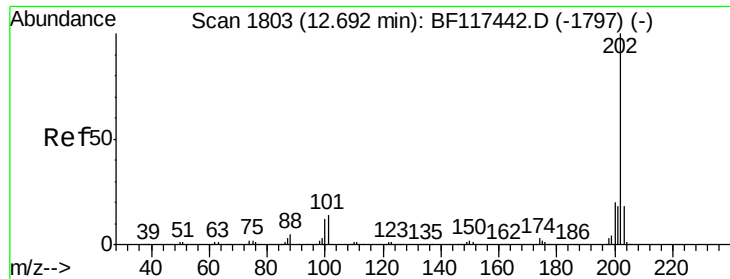
Delta R.T. -0.00 min

Lab File: BF117639.D

Acq: 31 Oct 2019 2:14

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.9	8.4	12.6#
236	25.8	20.0	30.0





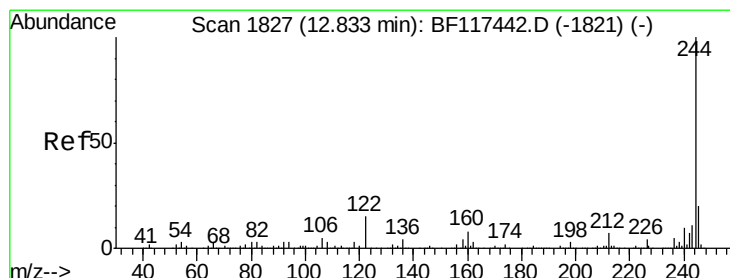
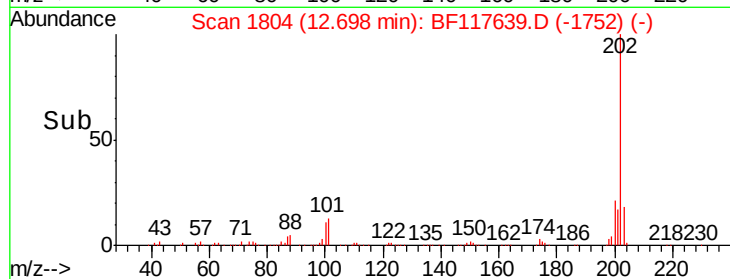
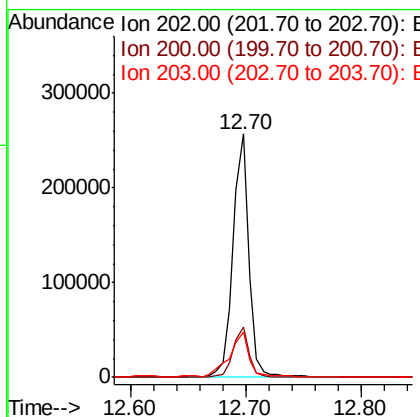
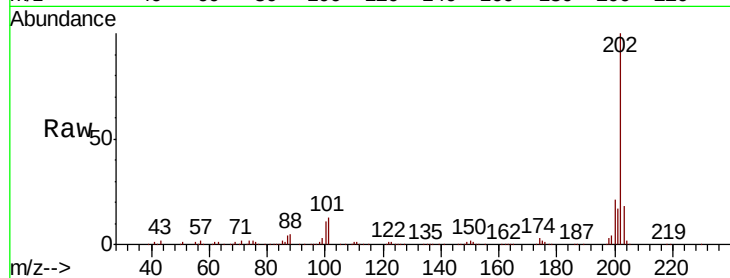
#78
Pvrene
Concen: 37.126 ng
RT: 12.70 min Scan# 1804
Delta R.T. 0.01 min
Lab File: BF117639.D
Acq: 31 Oct 2019 2:14

Instrument :
BNA_F
ClientSampleId :
STOCKPILEDL

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.2	24.2
203	18.4	14.0	21.0

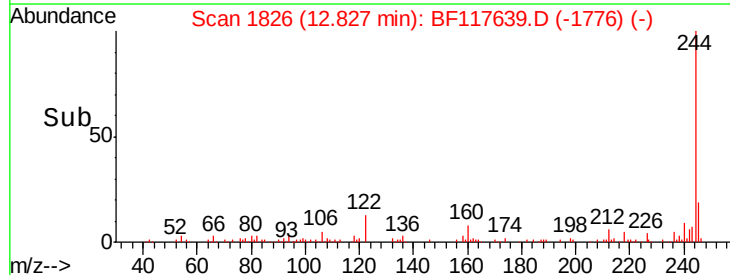
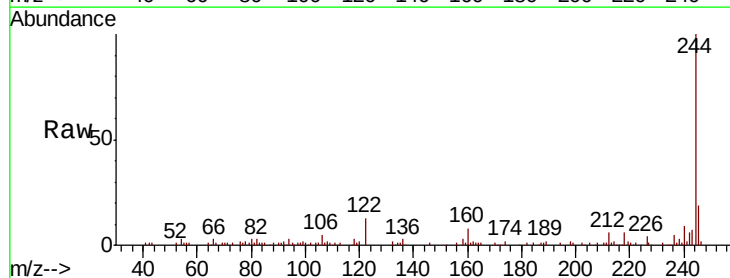
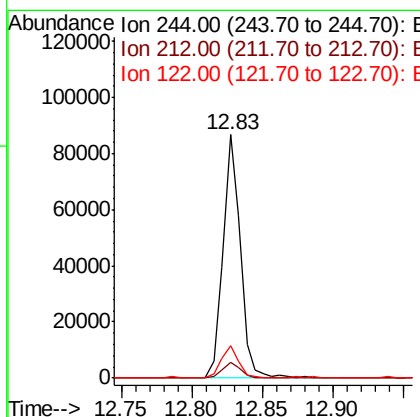
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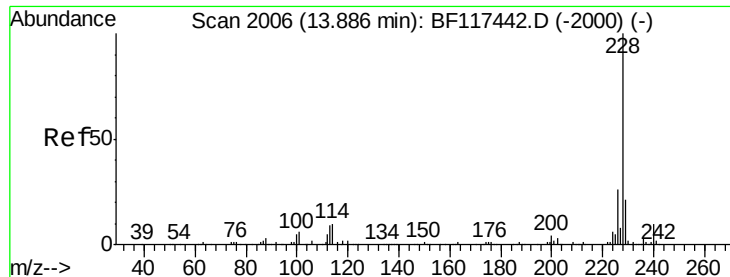
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#79
Terphenyl-d14
Concen: 15.924 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117639.D
Acq: 31 Oct 2019 2:14

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.8	8.6
122	13.4	11.8	17.8





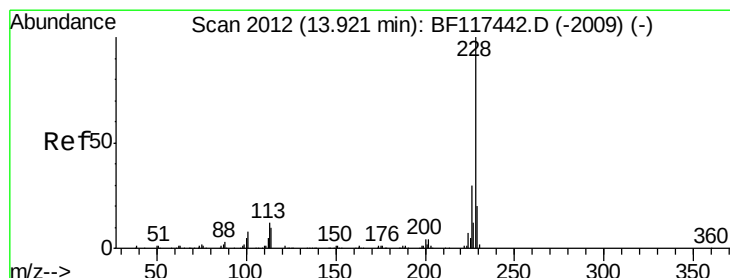
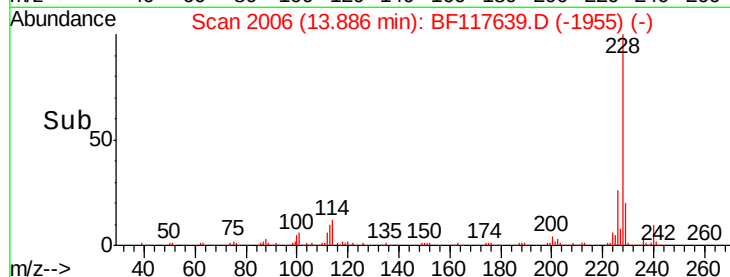
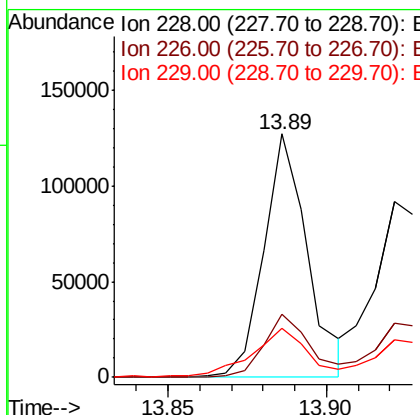
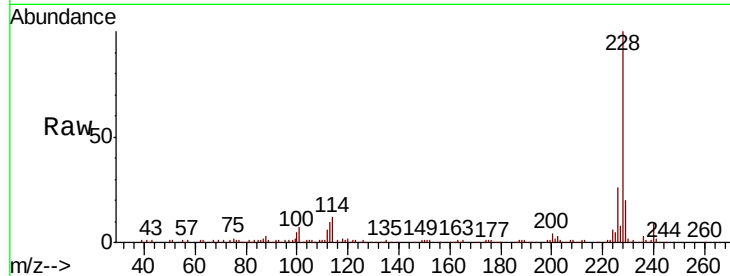
#81
Benzo(a)anthracene
Concen: 23.742 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.00 min
Lab File: BF117639.D
Acq: 31 Oct 2019 2:14

Instrument :
BNA_F
ClientSampleId :
STOCKPILEDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	25.9	21.0	31.4
229	20.4	16.4	24.6

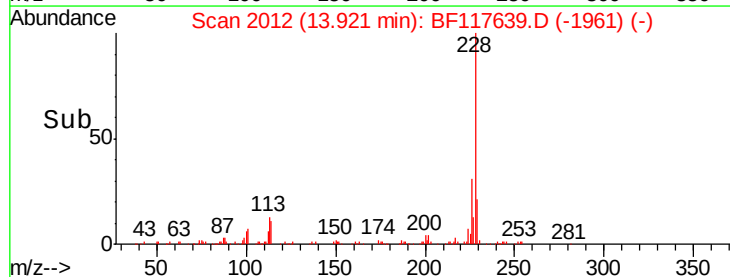
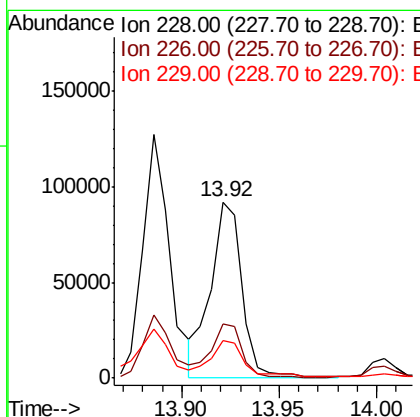
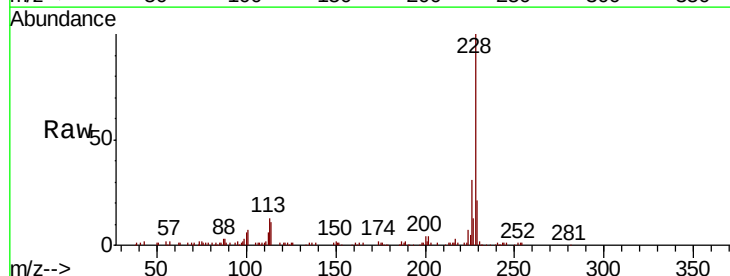
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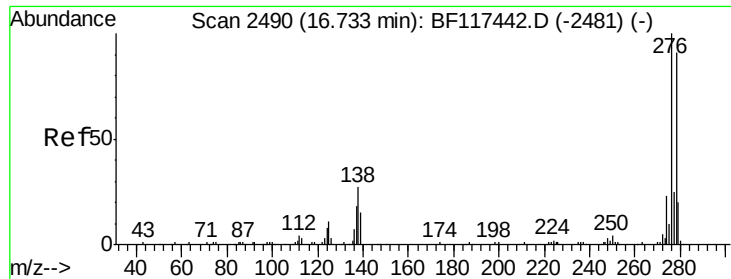
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#83
Chrysene
Concen: 20.570 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117639.D
Acq: 31 Oct 2019 2:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.9	35.9
229	21.3	15.8	23.6





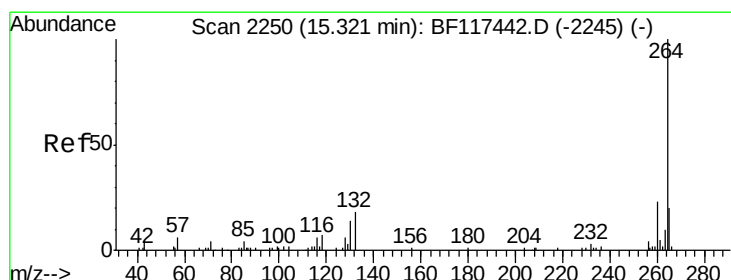
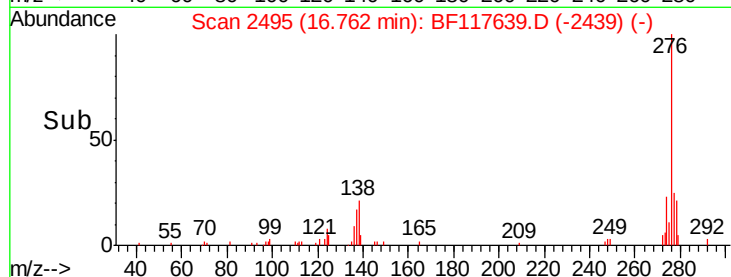
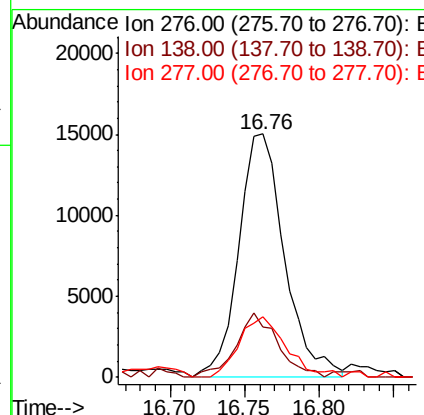
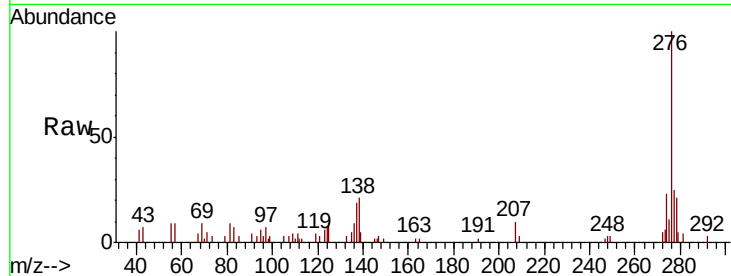
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 8.523 ng
 RT: 16.76 min Scan# 2495
 Delta R.T. 0.03 min
 Lab File: BF117639.D
 Acq: 31 Oct 2019 2:14

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILEDL

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.2	21.8	32.8
277	25.4	20.0	30.0

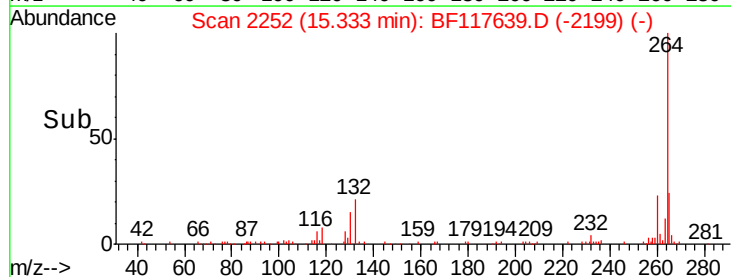
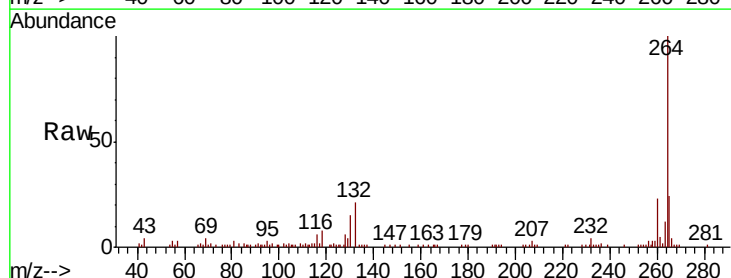
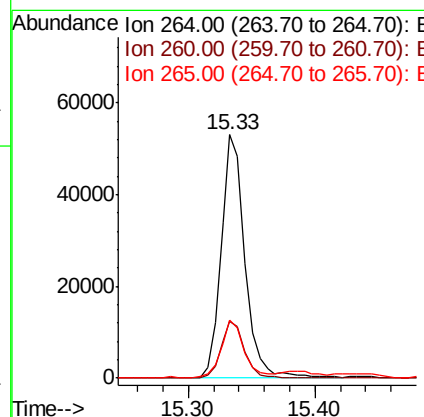
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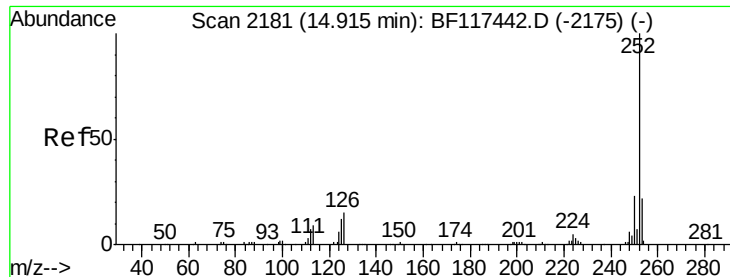
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: BF117639.D
 Acq: 31 Oct 2019 2:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.4	27.6
265	23.7	16.1	24.1





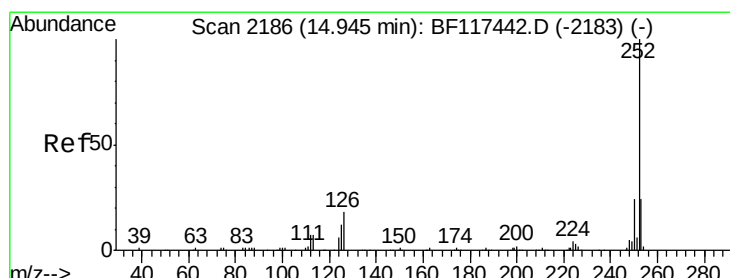
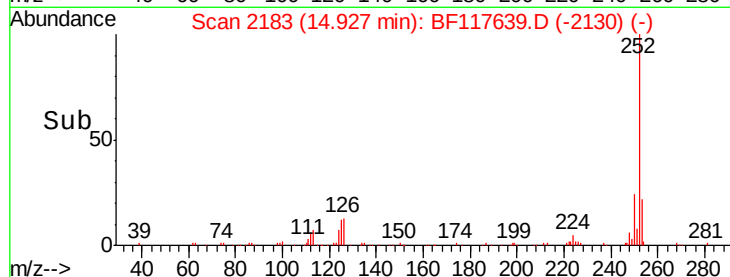
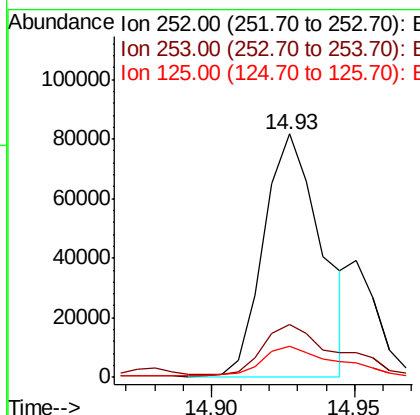
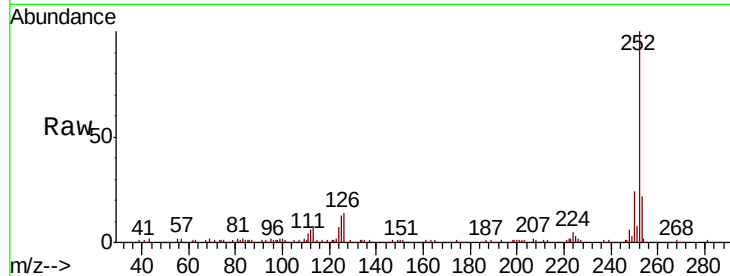
#88
Benzo(b)fluoranthene
Concen: 27.921 ng m
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF117639.D
Acq: 31 Oct 2019 2:14

Instrument :
BNA_F
ClientSampleId :
STOCKPILEDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	12.9	9.9	14.9

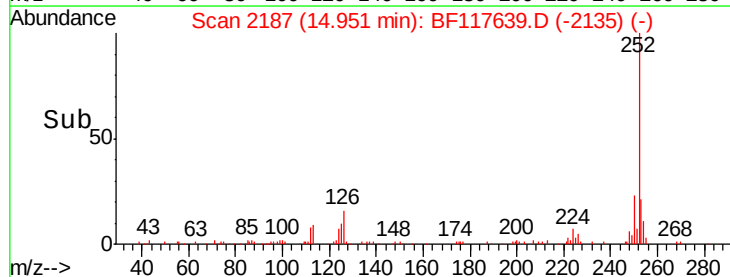
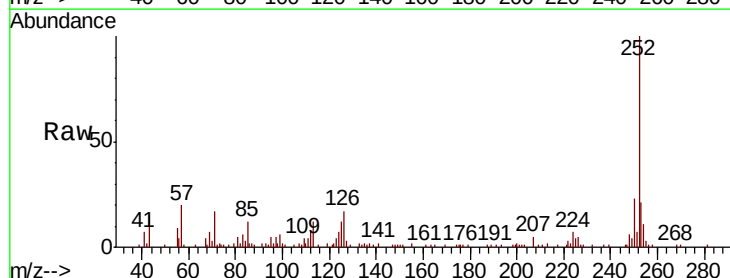
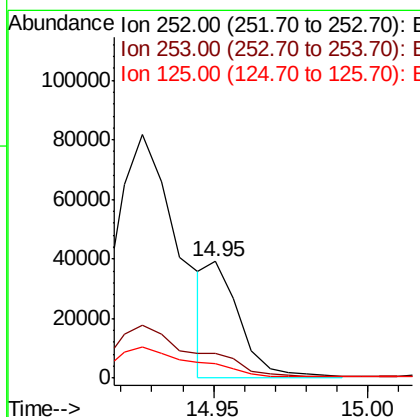
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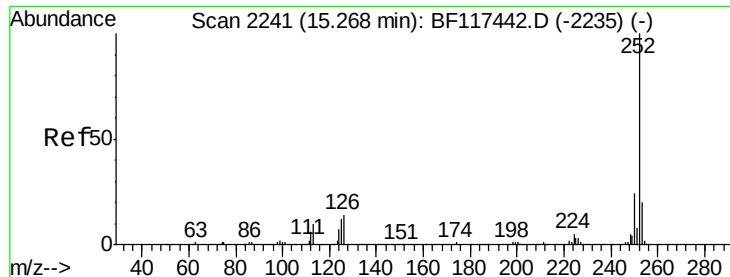
mohammad
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#89
Benzo(k)fluoranthene
Concen: 7.017 ng m
RT: 14.95 min Scan# 2187
Delta R.T. 0.01 min
Lab File: BF117639.D
Acq: 31 Oct 2019 2:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.8	18.0	27.0
125	12.2	8.9	13.3





#90

Benzo(a)pyrene

Concen: 18.979 ng

RT: 15.28 min Scan# 2243

Delta R.T. 0.01 min

Lab File: BF117639.D

Acq: 31 Oct 2019 2:14

Instrument :

BNA_F

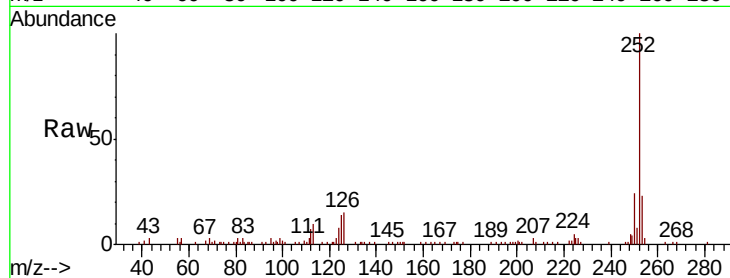
ClientSampleId :

STOCKPIEDL

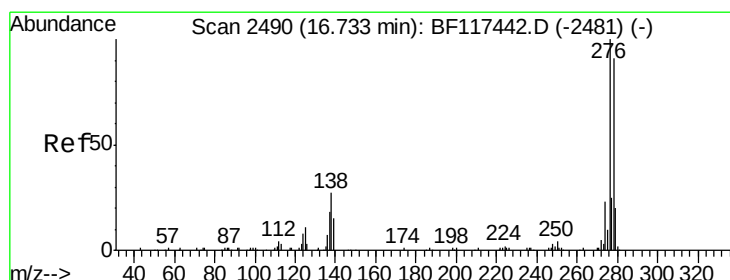
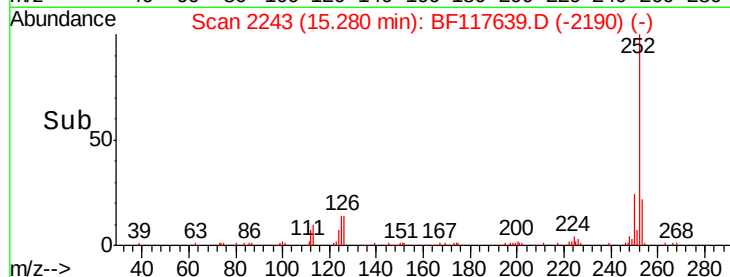
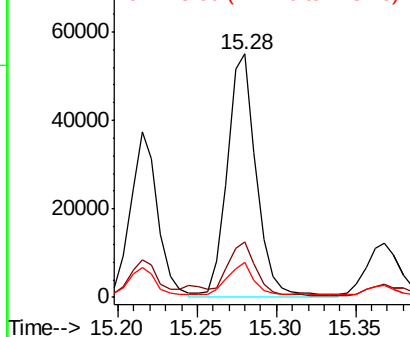
Tot Ion:	252	Resp:	70562
Ion Ratio	Lower	Upper	
252	100		
253	23.0	16.3	24.5
125	14.3	9.2	13.8

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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



#91

Dibenzo(a,h)anthracene

Concen: 2.637 ng

RT: 16.75 min Scan# 2493

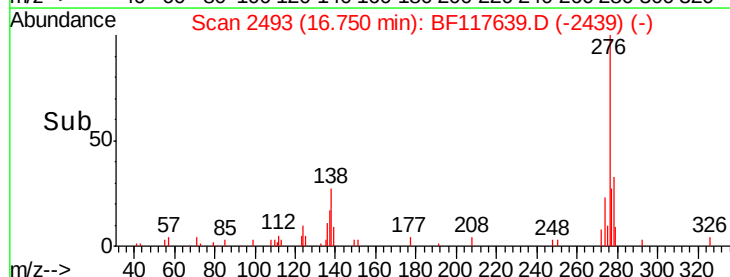
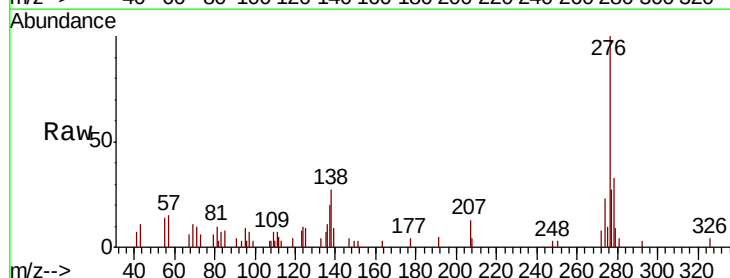
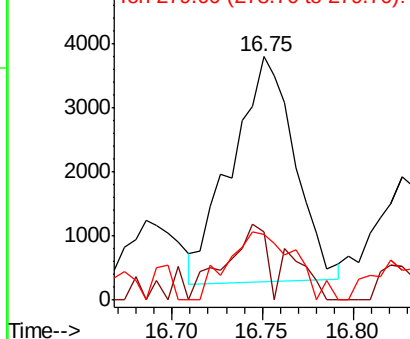
Delta R.T. 0.02 min

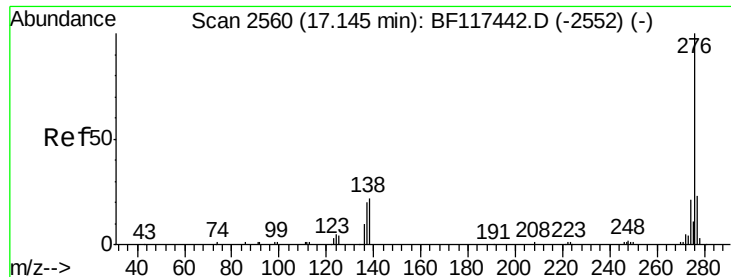
Lab File: BF117639.D

Acq: 31 Oct 2019 2:14

Tgt Ion:	278	Resp:	8477
Ion Ratio	Lower	Upper	
278	100		
139	28.3	13.4	20.0
279	27.2	17.8	26.6

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(a,h,i)perylene
 Concen: 8.829 ng
 RT: 17.19 min Scan# 2568
 Delta R.T. 0.05 min
 Lab File: BF117639.D
 Acq: 31 Oct 2019 2:14

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILEDL

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.7	18.4	27.6#
138	25.8	17.8	26.6

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