

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
 Data File : BF118616.D
 Acq On : 21 Jan 2020 2:54
 Operator : CG/JU
 Sample : L1187-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE

Manual Integrations
 APPROVED

mohammad
 1/23/2020 7:58:58 AM

Quant Time: Jan 22 11:08:17 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 20 14:45:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	419849	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	1385254	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	636670	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	1010222	20.00	ng	0.00
76) Chrysene-d12	14.05	240	808103	20.00	ng	0.00
87) Perylene-d12	15.53	264	690339	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.51	112	2539889	112.36	ng	0.01
7) Phenol-d6	6.51	99	3237805	110.20	ng	0.00
23) Nitrobenzene-d5	7.44	82	1896054	76.56	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	736468	100.01	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	3017441	77.90	ng	0.00
79) Terphenyl-d14	13.00	244	2923568	78.91	ng	0.00

Target Compounds

						Qvalue
49) Acenaphthylene	9.78	152	132240	2.542	ng	97
50) Dimethylphthalate	9.63	163	322677	7.779	ng	96
71) Phenanthrene	11.43	178	557822	11.445	ng	94
72) Anthracene	11.48	178	209443	4.343	ng	94
75) Fluoranthene	12.62	202	1162659	22.618	ng	96
78) Pyrene	12.85	202	1220805	22.252	ng	95
81) Benzo(a)anthracene	14.04	228	606927	12.485	ng	98
83) Chrysene	14.07	228	582837	12.510	ng	96
84) Bis(2-ethylhexyl)phthalate	14.03	149	81227	2.961	ng	93
86) Indeno(1,2,3-cd)pyrene	17.01	276	269903	6.667	ng	95
88) Benzo(b)fluoranthene	15.10	252	698136m	16.089	ng	
89) Benzo(k)fluoranthene	15.13	252	171195m	4.258	ng	
90) Benzo(a)pyrene	15.47	252	450739	12.042	ng	# 85
91) Dibenzo(a,h)anthracene	17.02	278	68680	2.074	ng	# 52
92) Benzo(a,h,i)perylene	17.46	276	256441	7.977	ng	96

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

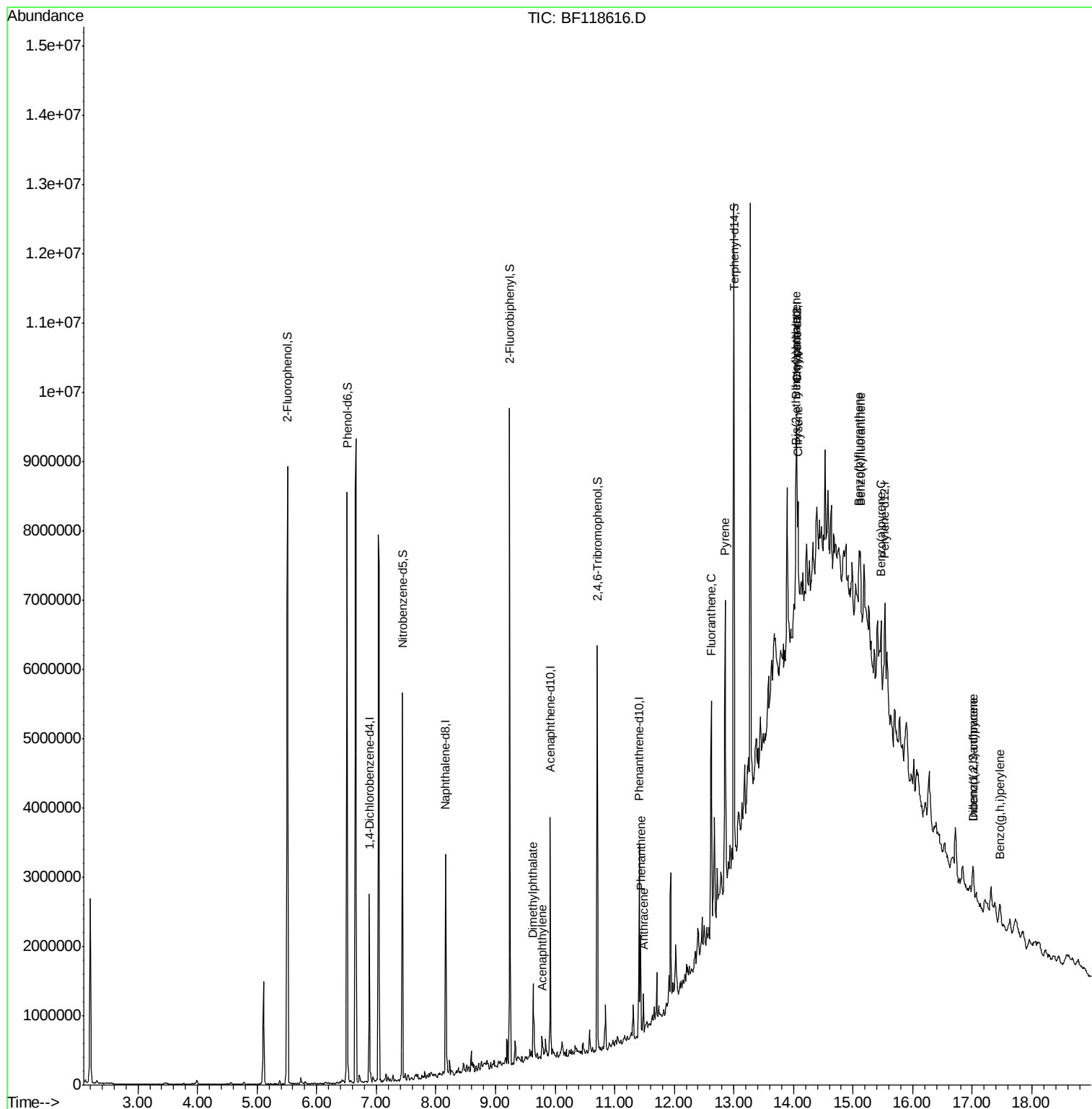
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118616.D
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ALS Vial : 26 Sample Multiplier: 1

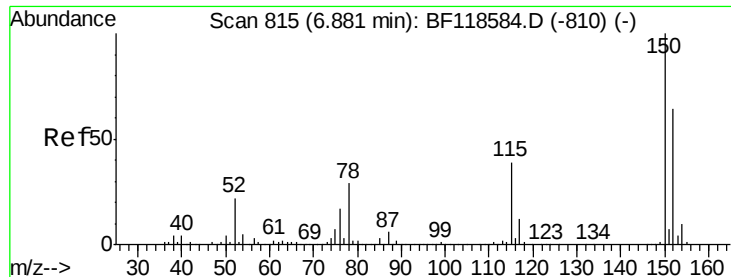
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

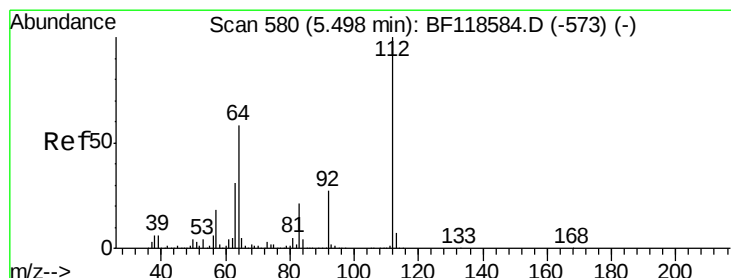
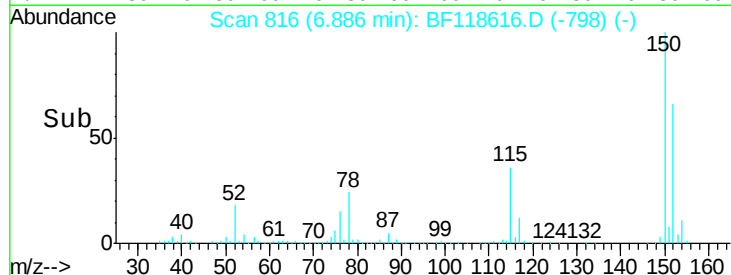
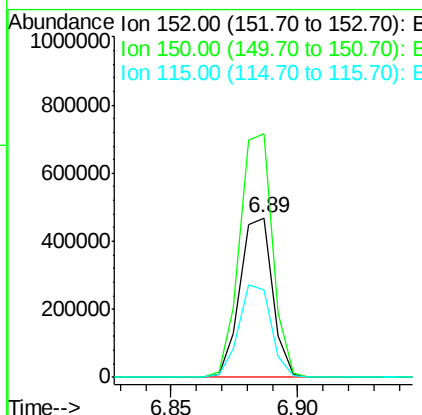
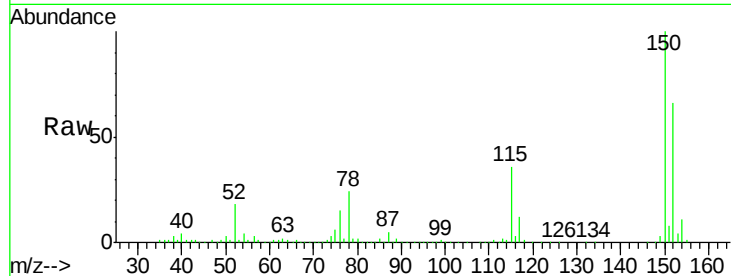
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF118616.D
Acq: 21 Jan 2020 2:54

Instrument :
BNA_F
ClientSampleId :
STOCKPILE

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.7	125.6	188.4
115	54.7	48.4	72.6

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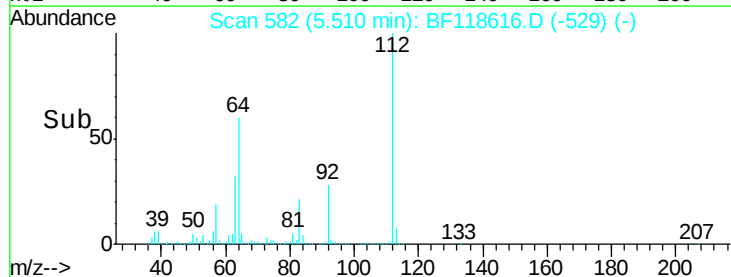
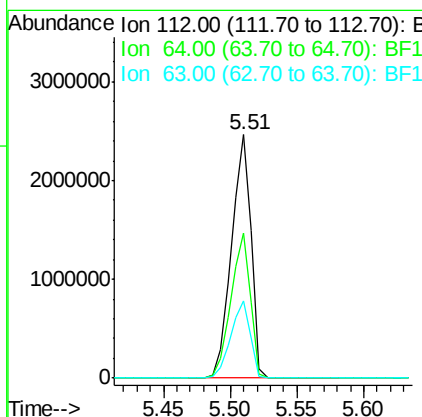
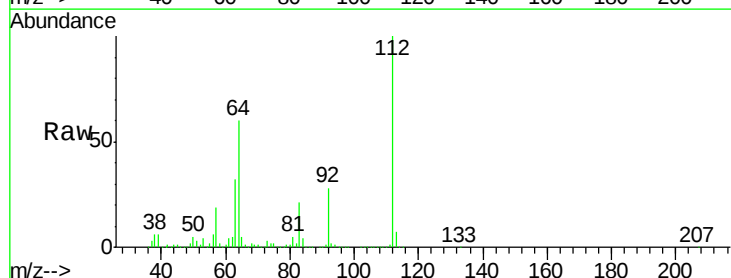
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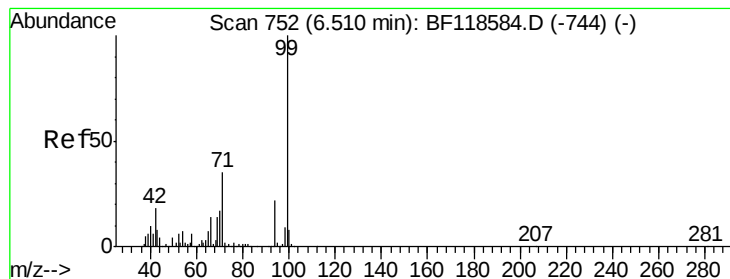


#5

2-Fluorophenol
Concen: 112.355 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF118616.D
Acq: 21 Jan 2020 2:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.7	46.6	70.0
63	31.9	25.1	37.7





#7

Phenol-d6

Concen: 110.197 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF118616.D

Acq: 21 Jan 2020 2:54

Instrument :

BNA_F

ClientSampleId :

STOCKPILE

Tot Ion: 99 Resp: 3237805

Ion Ratio Lower Upper

99 100

42 19.0 14.2 21.2

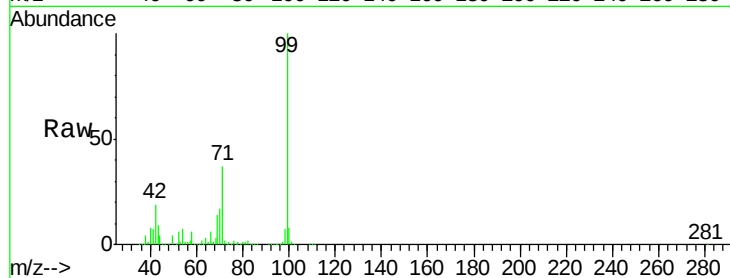
71 37.2 27.8 41.6

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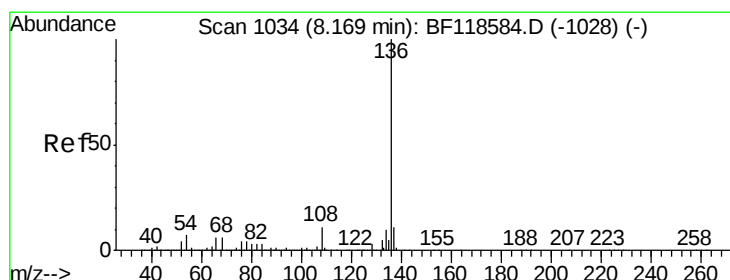
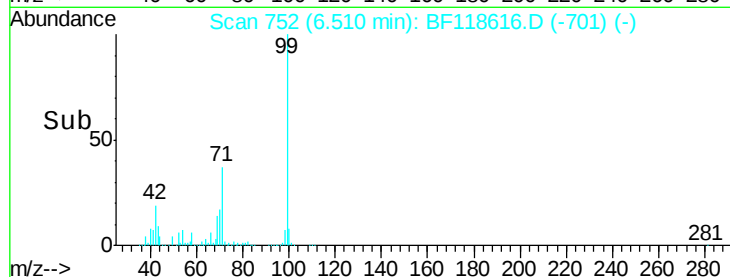
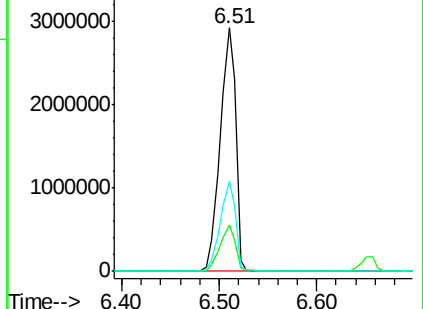
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF118616.D

Acq: 21 Jan 2020 2:54

Tgt Ion: 136 Resp: 1385254

Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 8.0 5.8 8.6

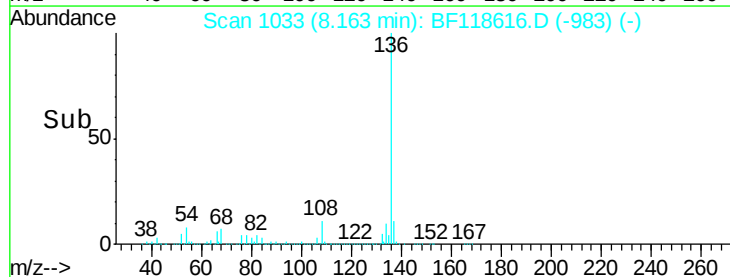
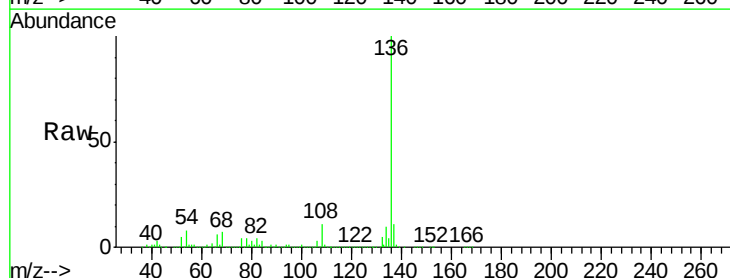
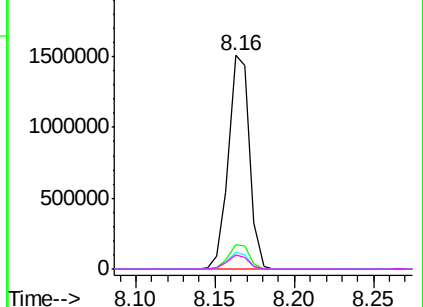
68 6.7 5.0 7.4

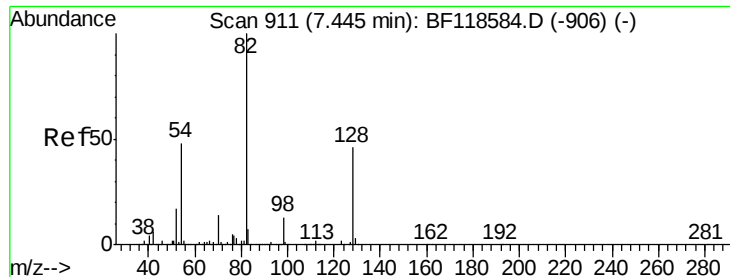
Abundance Ion 136.00 (135.70 to 136.70): E

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





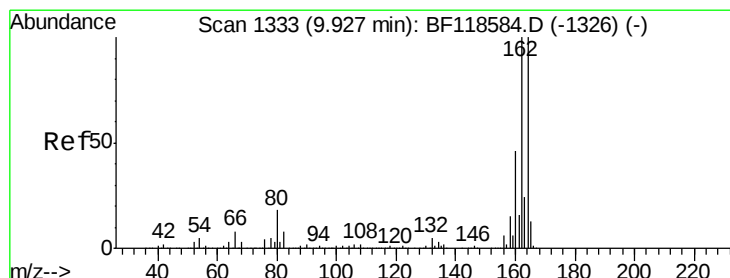
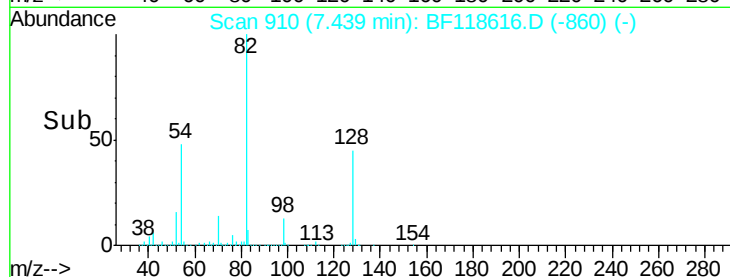
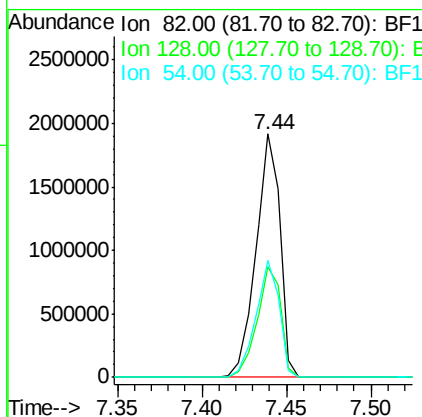
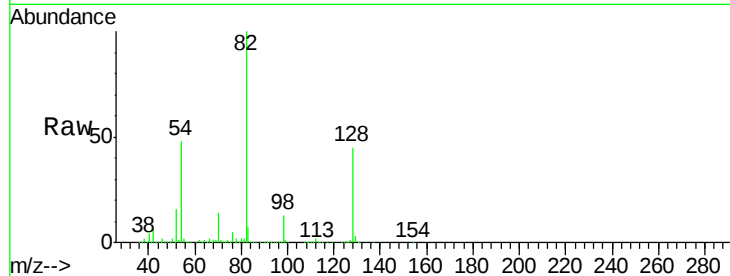
#23
Nitrobenzene-d5
Concen: 76.559 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF118616.D
Acq: 21 Jan 2020 2:54

Instrument :
BNA_F
ClientSampleId :
STOCKPILE

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.4	36.6	54.8
54	47.8	38.0	57.0

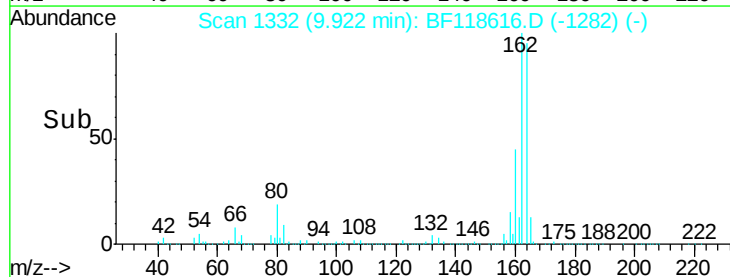
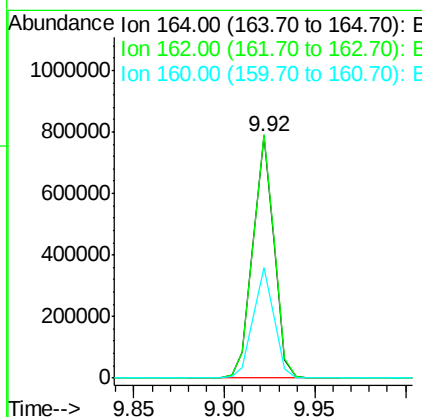
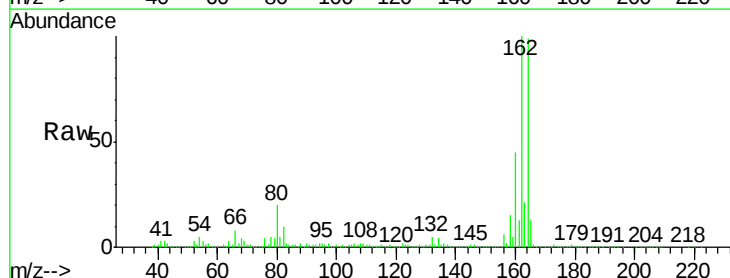
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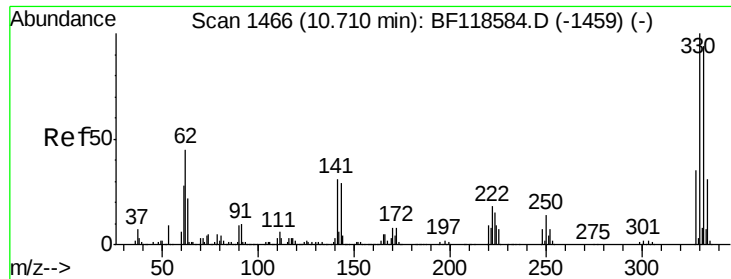
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF118616.D
Acq: 21 Jan 2020 2:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.6	80.4	120.6
160	45.5	36.6	55.0





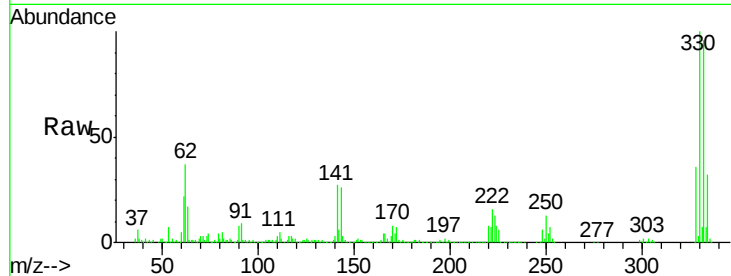
#42
 2,4,6-Tribromophenol
 Concen: 100.011 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: BF118616.D
 Acq: 21 Jan 2020 2:54

Instrument :
 BNA_F
 ClientSampleId :
 STOCKPILE

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.2	114.4
141	29.8	23.9	35.9

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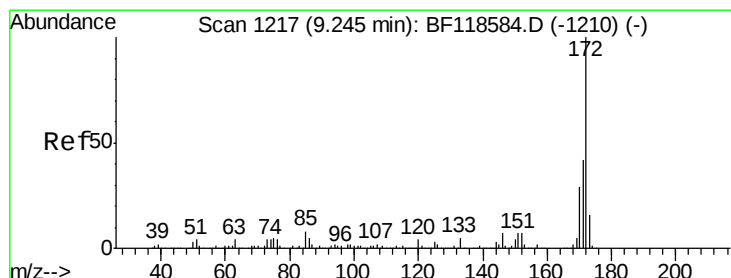
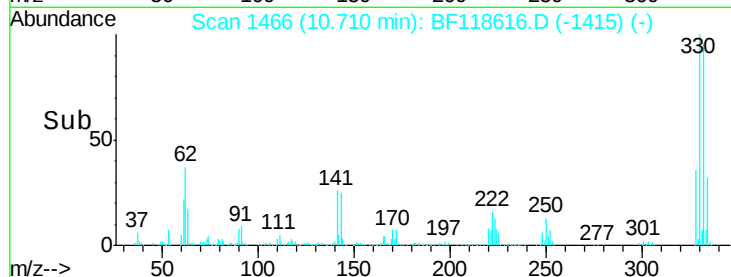
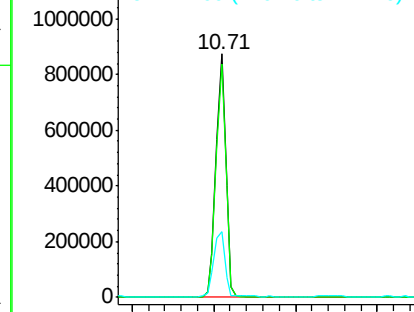


Abundance

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: 77.898 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: BF118616.D
 Acq: 21 Jan 2020 2:54

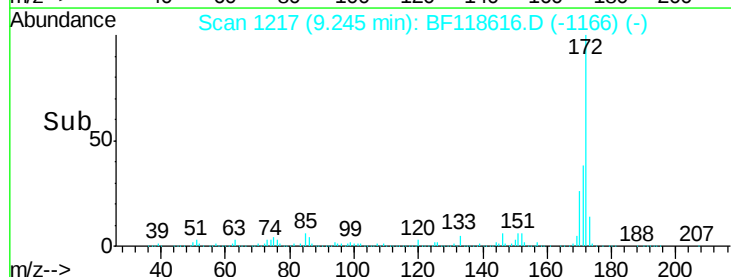
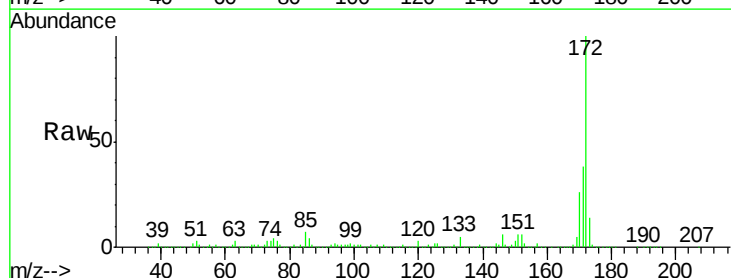
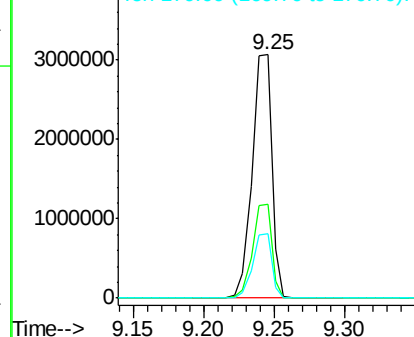
Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.3	33.4	50.2
170	26.3	23.2	34.8

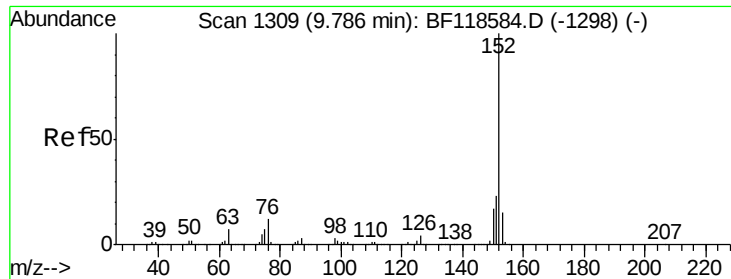
Abundance

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





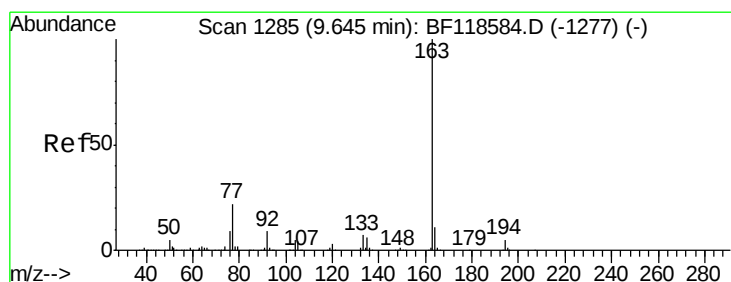
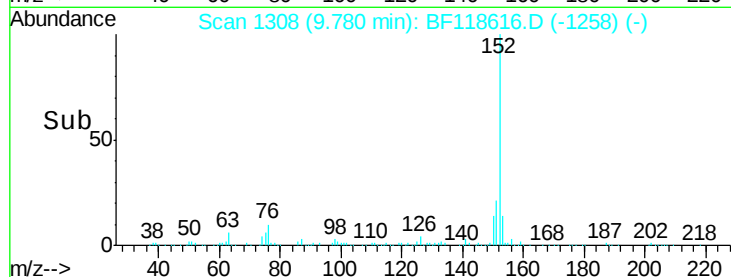
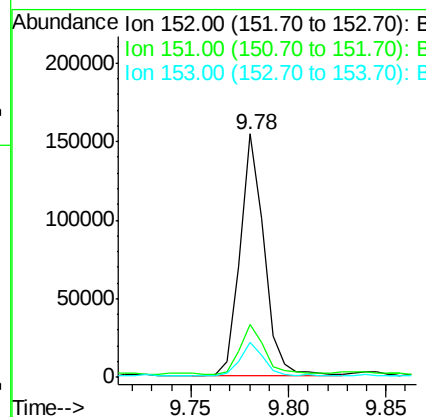
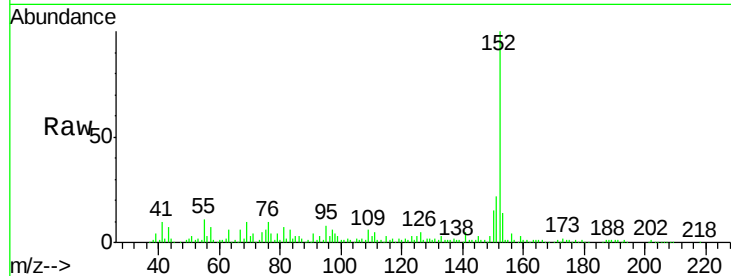
#49
Acenaphthylene
Concen: 2.542 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF118616.D
Acq: 21 Jan 2020 2:54

Instrument :
BNA_F
ClientSampleId :
STOCKPILE

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.8	18.6	27.8
153	14.2	12.2	18.4

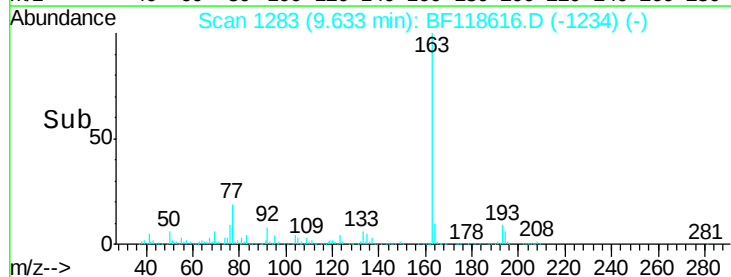
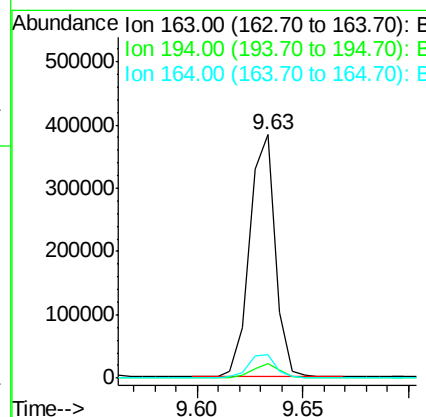
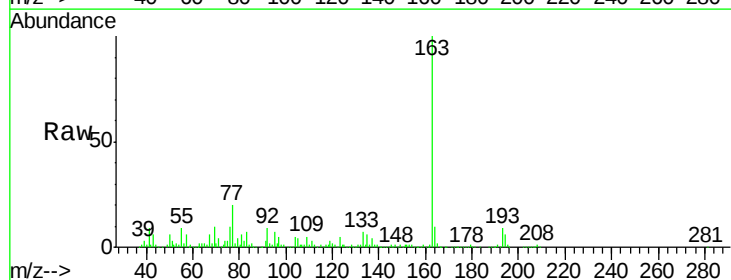
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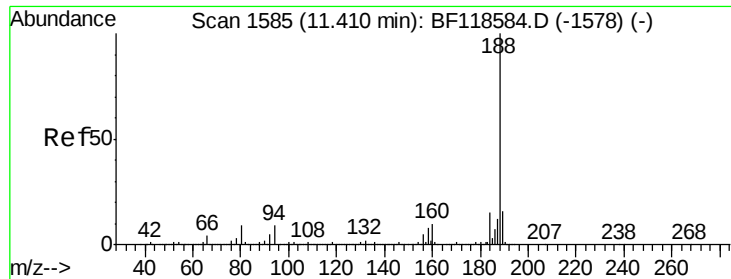
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#50
Dimethylphthalate
Concen: 7.779 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF118616.D
Acq: 21 Jan 2020 2:54

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.9	3.9	5.9
164	9.7	9.1	13.7





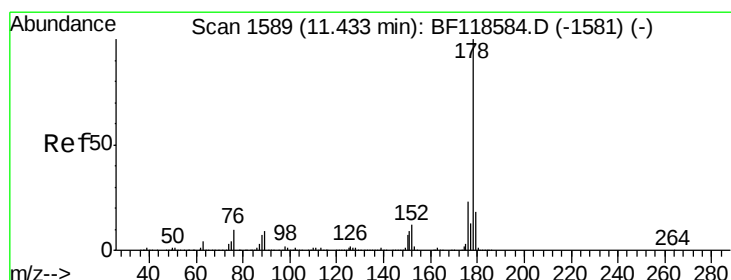
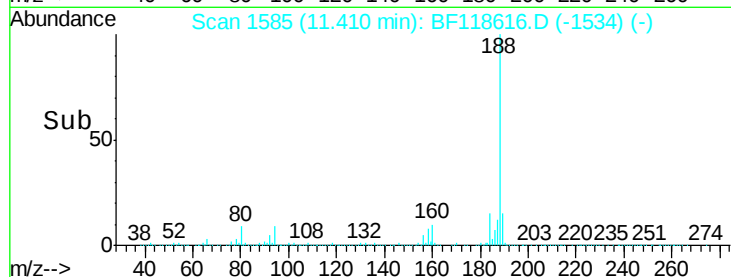
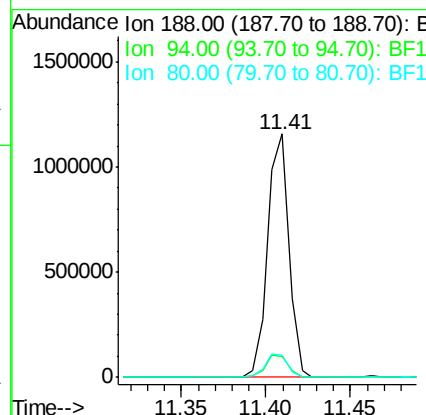
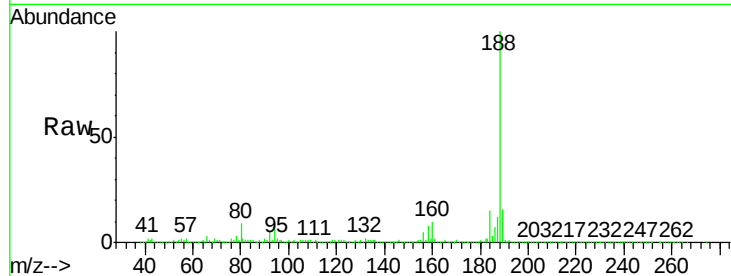
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BF118616.D
Acq: 21 Jan 2020 2:54

Instrument :
BNA_F
ClientSampleId :
STOCKPILE

Tot Ion	Ratio	Lower	Upper
188	100		
94	8.8	7.1	10.7
80	9.1	7.5	11.3

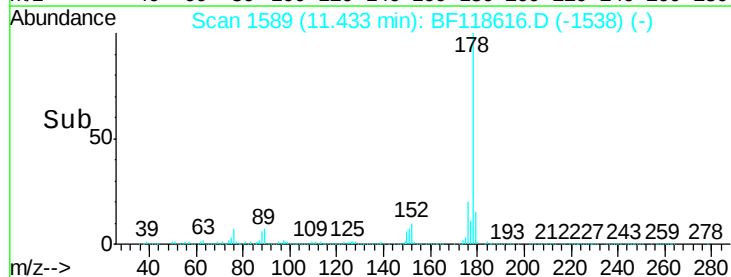
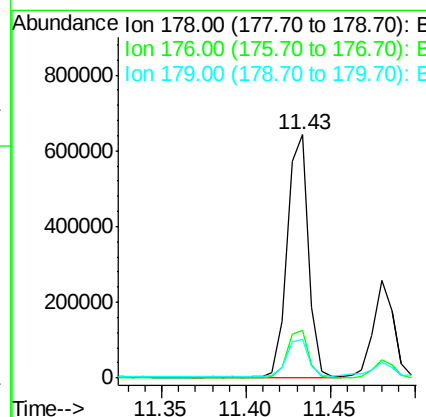
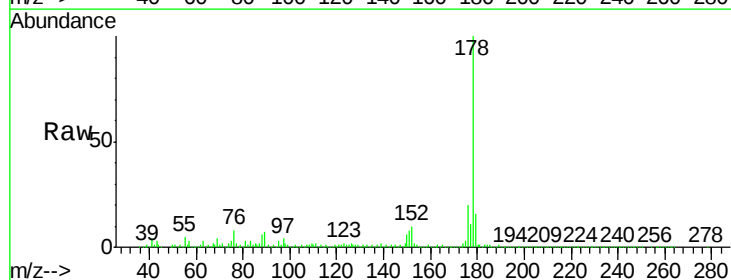
Manual Integrations
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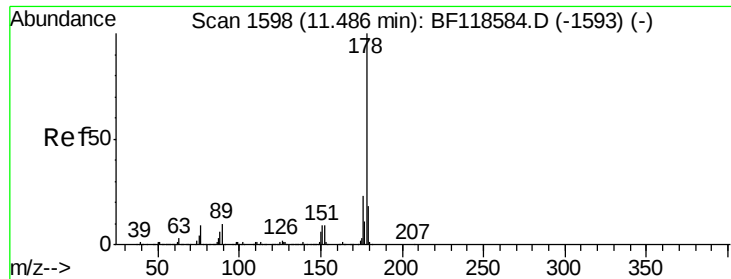
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#71
Phenanthrene
Concen: 11.445 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.00 min
Lab File: BF118616.D
Acq: 21 Jan 2020 2:54

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.8	18.6	27.8
179	15.9	14.7	22.1





#72

Anthracene

Concen: 4.343 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF118616.D

Acq: 21 Jan 2020 2:54

Instrument :

BNA_F

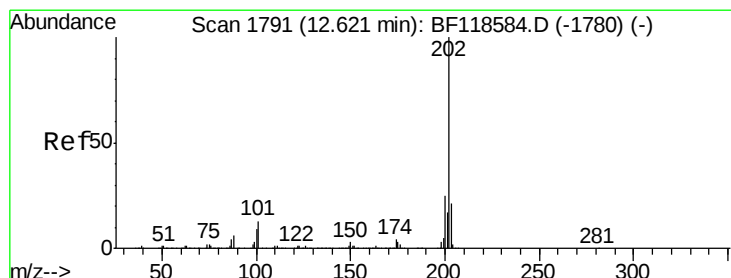
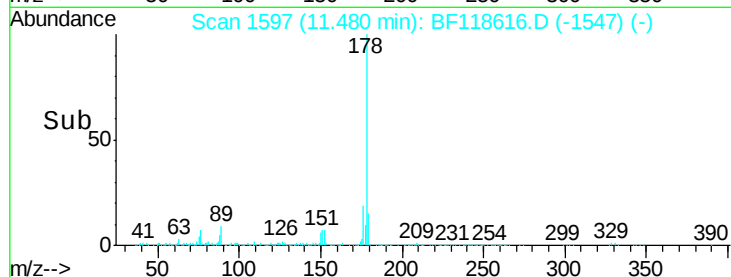
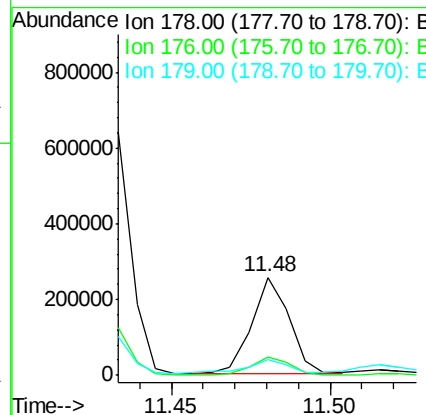
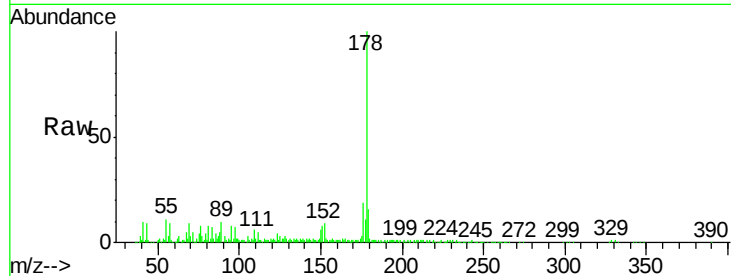
ClientSampleId :

STOCKPILE

Tot Ion:	178	Resp:	209443
Ion Ratio	Lower	Upper	
178	100		
176	19.1	18.0	27.0
179	16.1	14.7	22.1

Manual Integrations
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#75

Fluoranthene

Concen: 22.618 ng

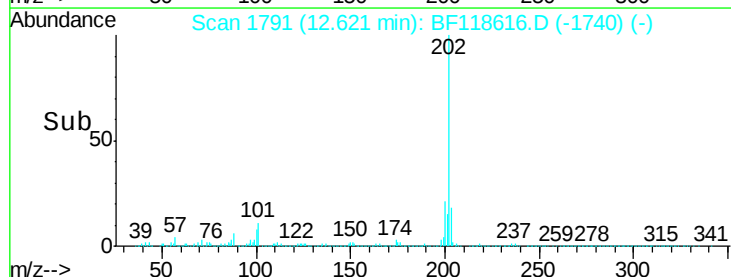
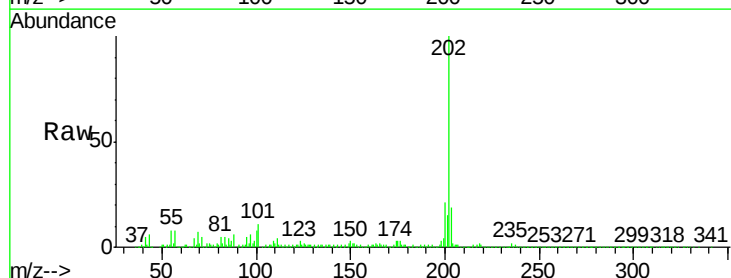
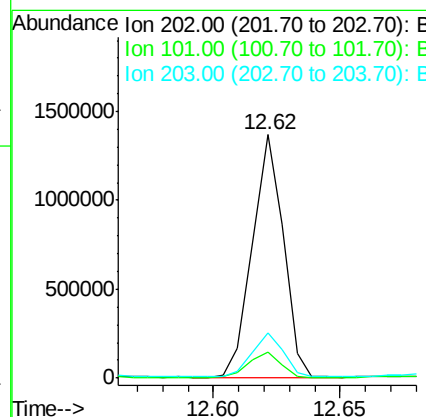
RT: 12.62 min Scan# 1791

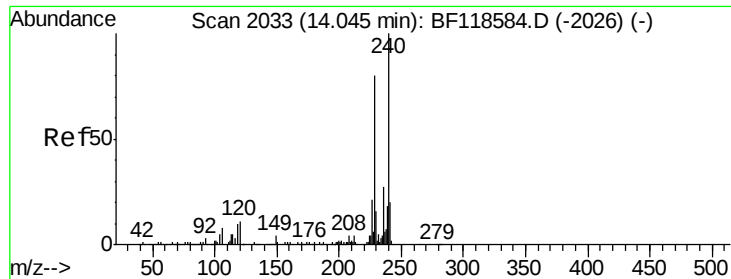
Delta R.T. 0.00 min

Lab File: BF118616.D

Acq: 21 Jan 2020 2:54

Tgt Ion:	202	Resp:	1162659
Ion Ratio	Lower	Upper	
202	100		
101	10.8	0.0	32.5
203	18.8	0.8	40.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.05 min Scan# 2034

Delta R.T. 0.01 min

Lab File: BF118616.D

Acq: 21 Jan 2020 2:54

Instrument :

BNA_F

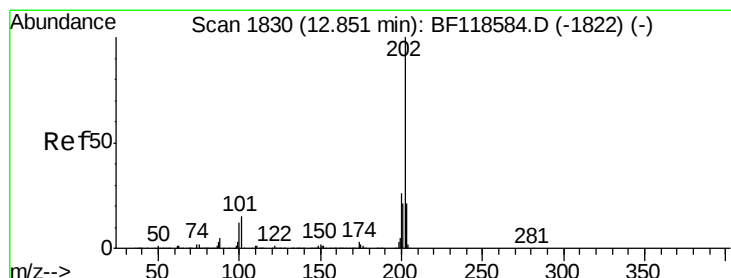
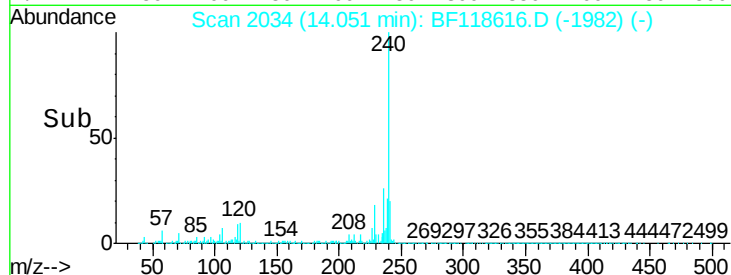
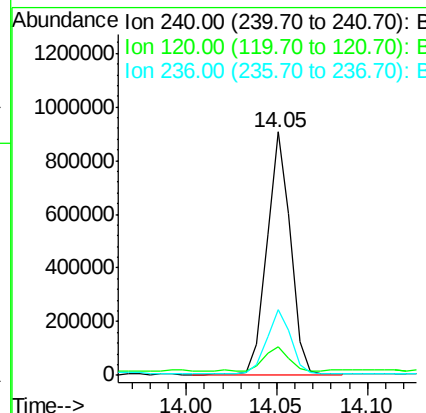
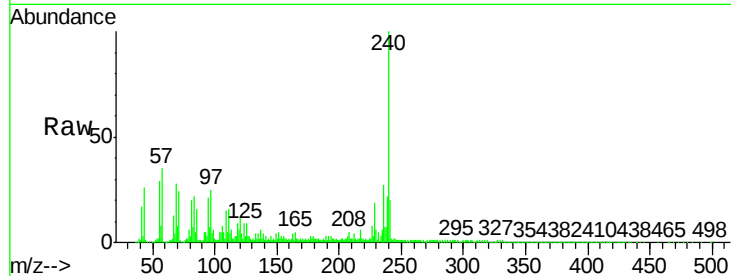
ClientSampleId :

STOCKPILE

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	11.8	8.9	13.3	
236	27.0	21.5	32.3	

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#78

Pyrene

Concen: 22.252 ng

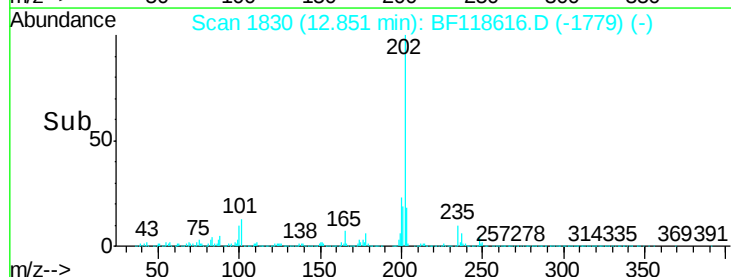
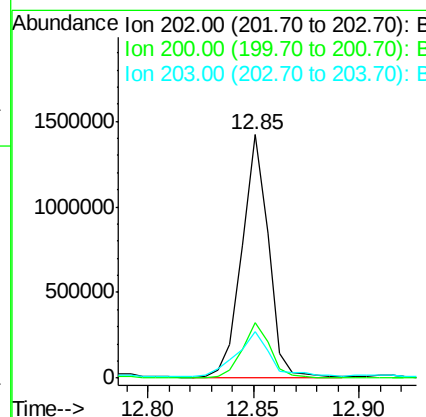
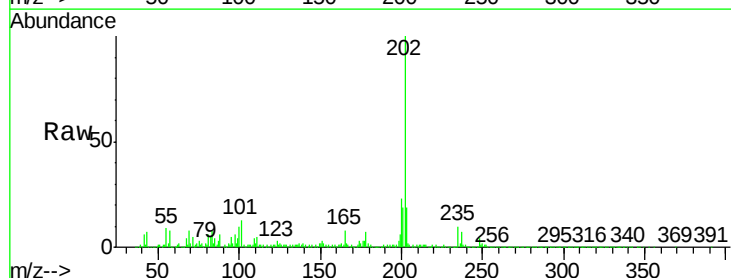
RT: 12.85 min Scan# 1830

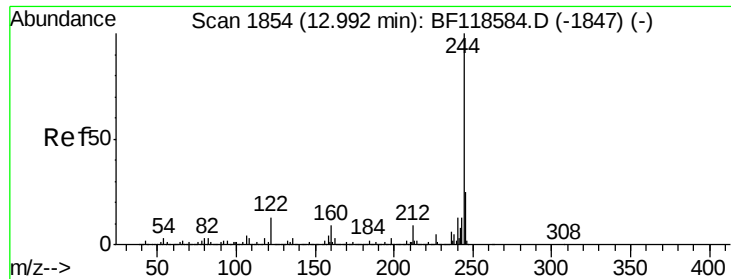
Delta R.T. 0.00 min

Lab File: BF118616.D

Acq: 21 Jan 2020 2:54

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	22.9	20.6	31.0	
203	19.1	16.8	25.2	





#79

Terphenyl-d14

Concen: 78.908 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.01 min

Lab File: BF118616.D

Acq: 21 Jan 2020 2:54

Instrument :

BNA_F

ClientSampleId :

STOCKPILE

Tot Ion:244 Resp: 2923568

Ion Ratio Lower Upper

244 100

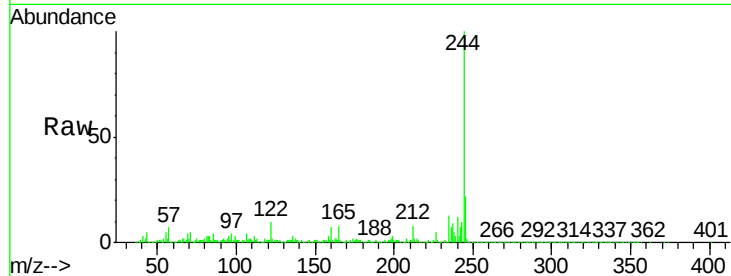
212 8.1 7.0 10.4

122 10.4 10.7 16.1#

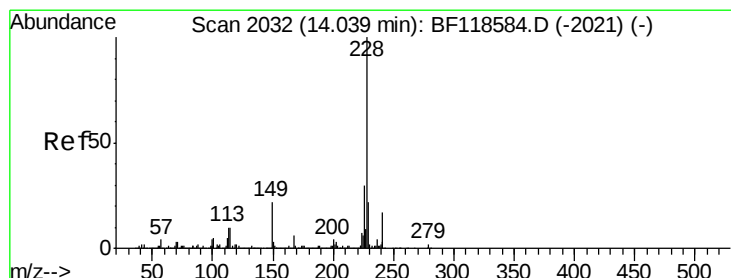
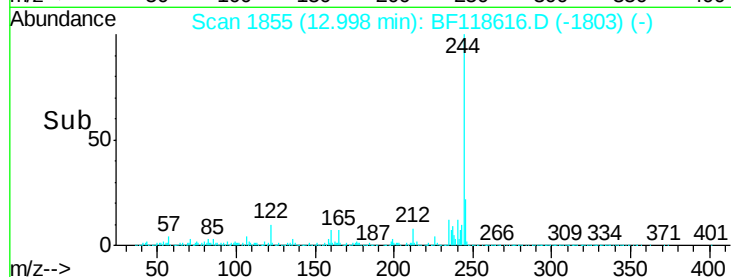
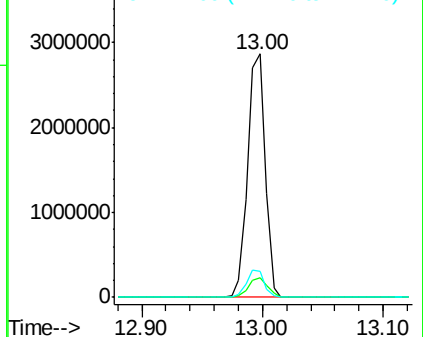
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 12.485 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.00 min

Lab File: BF118616.D

Acq: 21 Jan 2020 2:54

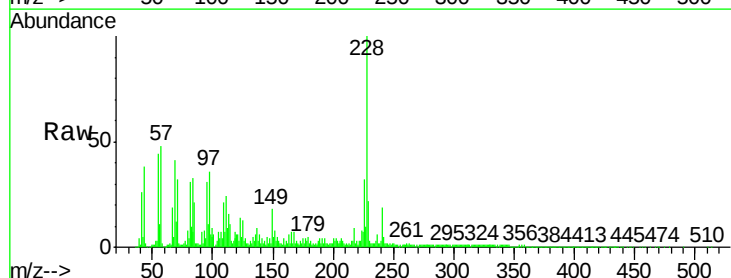
Tgt Ion:228 Resp: 606927

Ion Ratio Lower Upper

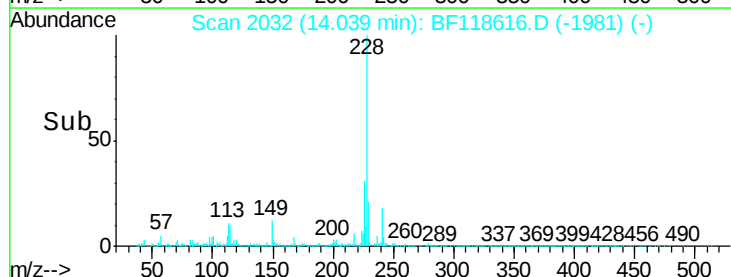
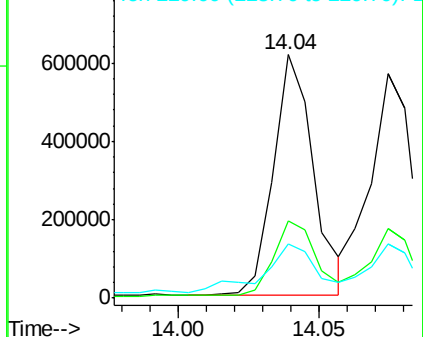
228 100

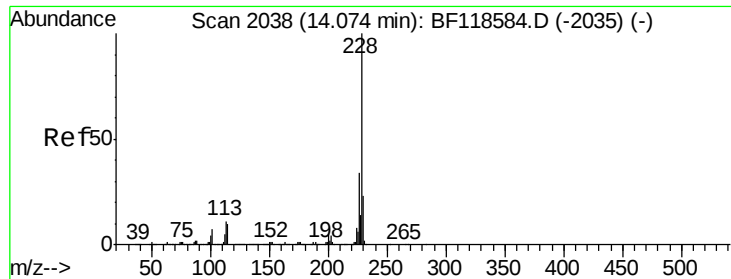
226 31.7 24.1 36.1

229 22.5 17.6 26.4



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: 12.510 ng

RT: 14.07 min Scan# 2038

Delta R.T. 0.00 min

Lab File: BF118616.D

Acq: 21 Jan 2020 2:54

Instrument :

BNA_F

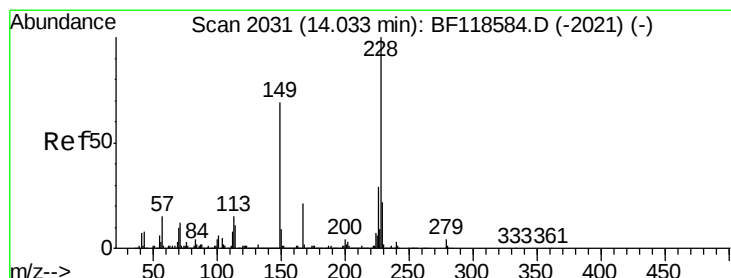
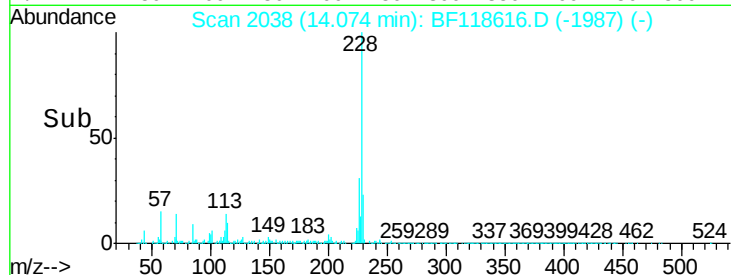
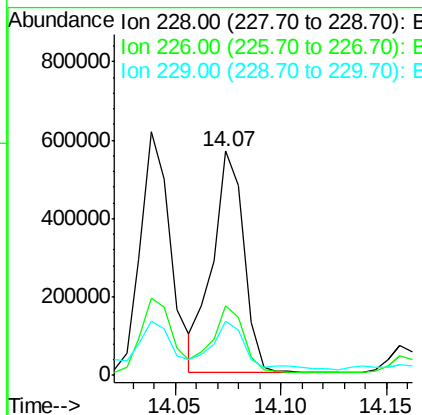
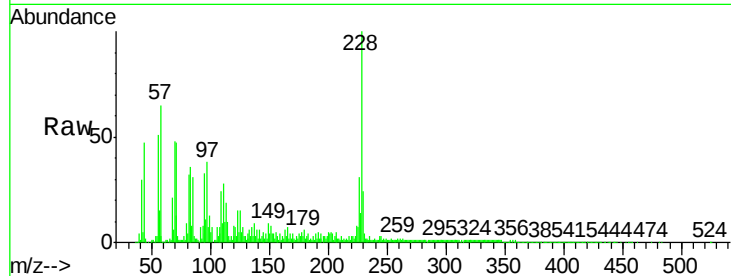
ClientSampleId :

STOCKPILE

Tot Ion:	228	Resp:	582837
Ion Ratio	Lower	Upper	
228	100		
226	31.3	27.4	41.0
229	24.3	18.3	27.5

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#84

Bis(2-ethylhexyl)phthalate

Concen: 2.961 ng

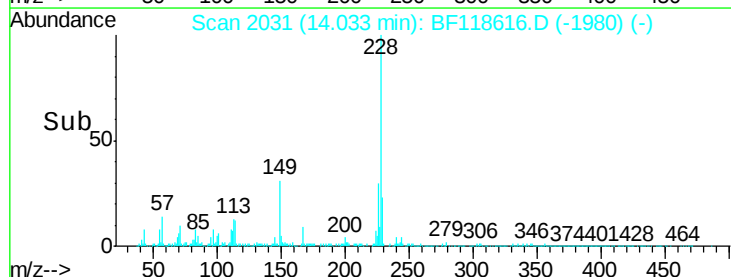
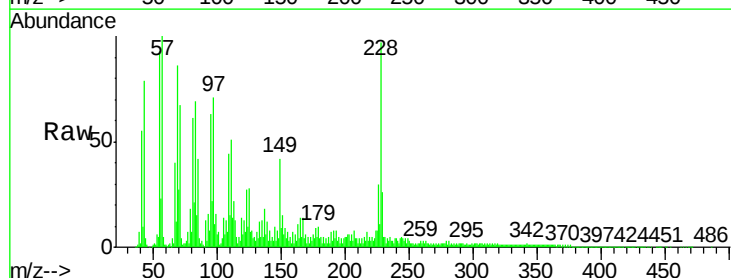
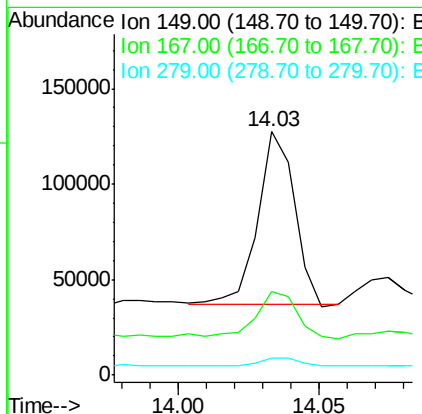
RT: 14.03 min Scan# 2031

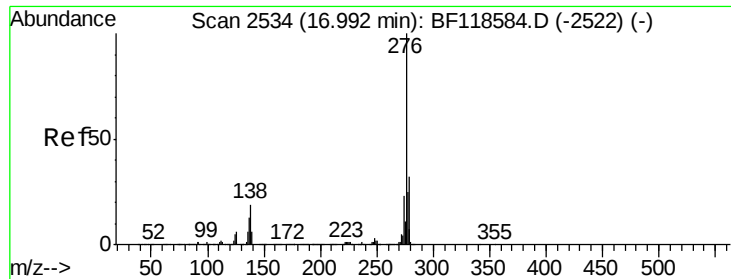
Delta R.T. 0.00 min

Lab File: BF118616.D

Acq: 21 Jan 2020 2:54

Tgt Ion:	149	Resp:	81227
Ion Ratio	Lower	Upper	
149	100		
167	34.6	24.2	36.4
279	7.0	5.0	7.4





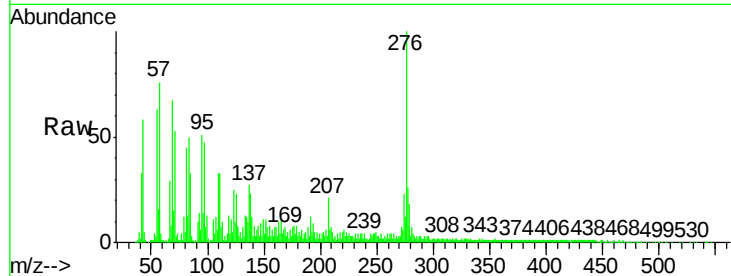
#86
Indeno(1,2,3-cd)pyrene
Concen: 6.667 ng
RT: 17.01 min Scan# 2537
Delta R.T. 0.02 min
Lab File: BF118616.D
Acq: 21 Jan 2020 2:54

Instrument :
BNA_F
ClientSampleId :
STOCKPILE

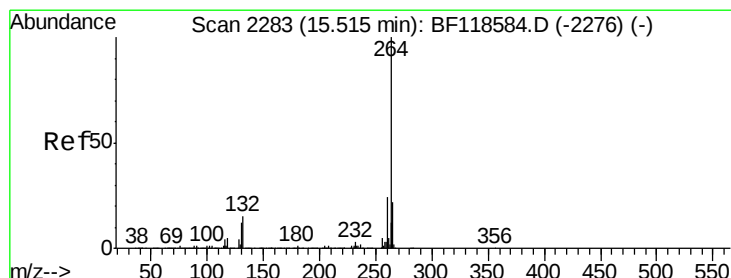
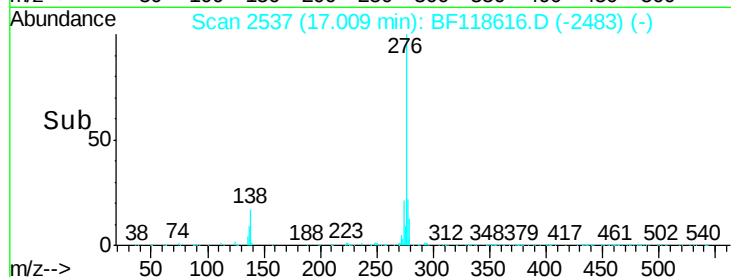
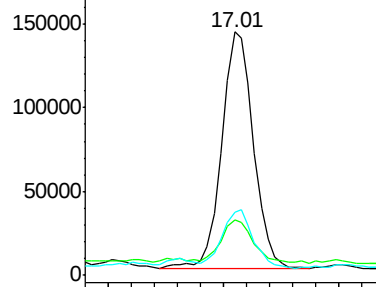
Tot Ion	Ratio	Lower	Upper
276	100		
138	17.5	17.2	25.8
277	24.4	20.5	30.7

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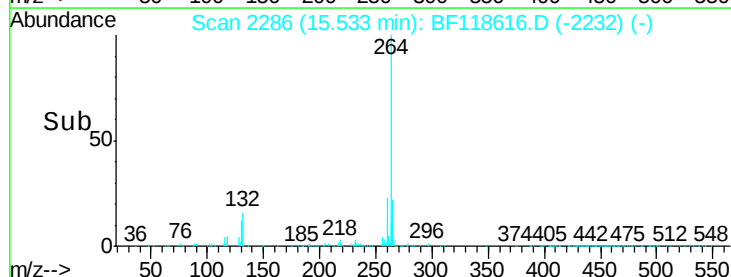
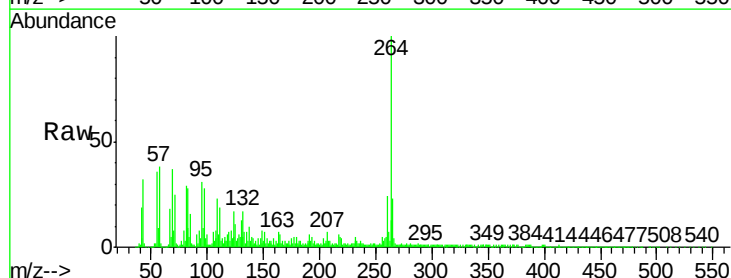
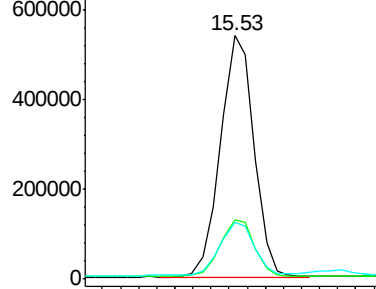
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

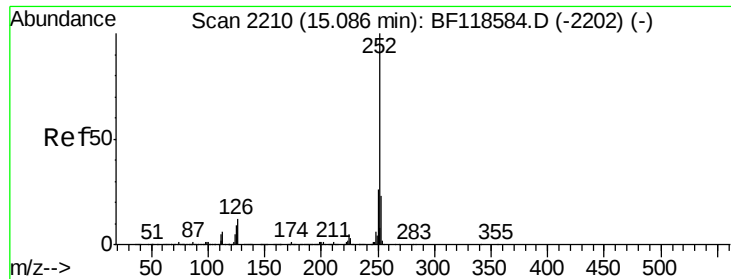


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2286
Delta R.T. 0.02 min
Lab File: BF118616.D
Acq: 21 Jan 2020 2:54

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.6	29.4
265	23.4	17.7	26.5

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





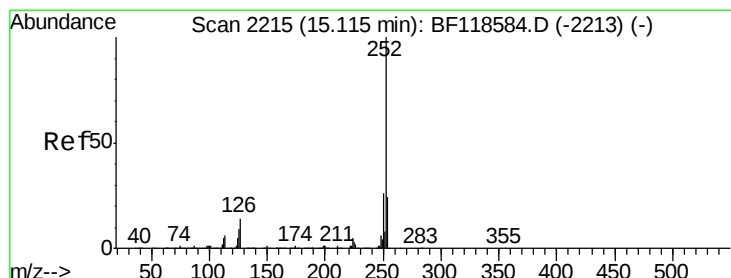
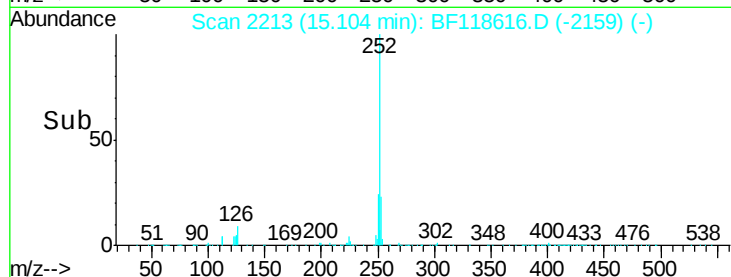
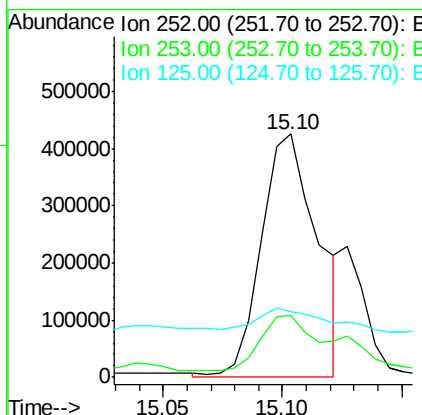
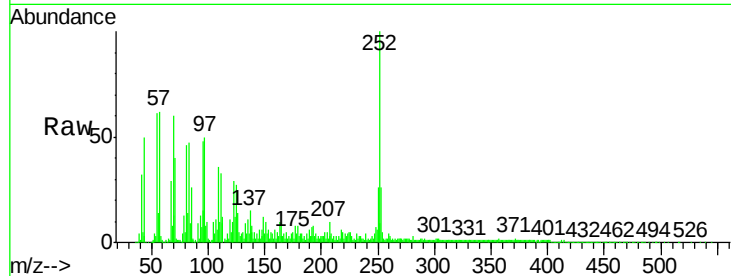
#88
Benzo(b)fluoranthene
Concen: 16.089 ng m
RT: 15.10 min Scan# 2213
Delta R.T. 0.02 min
Lab File: BF118616.D
Acq: 21 Jan 2020 2:54

Instrument :
BNA_F
ClientSampleId :
STOCKPILE

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.7	28.1
125	26.8	7.3	10.9

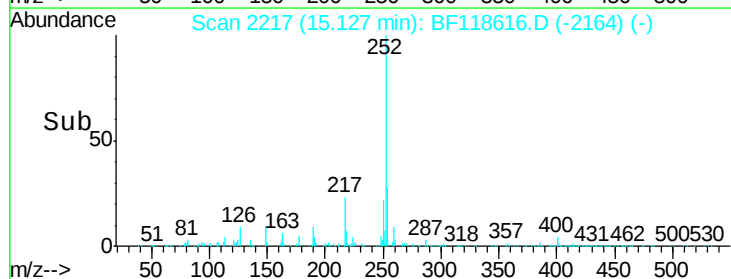
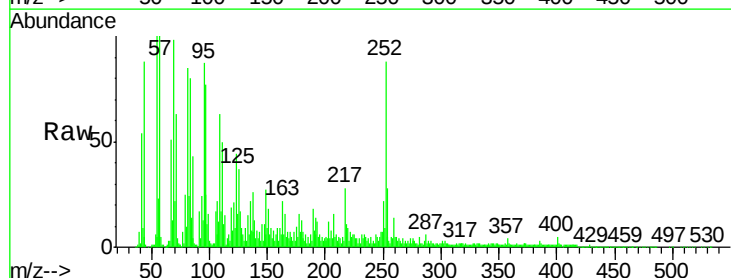
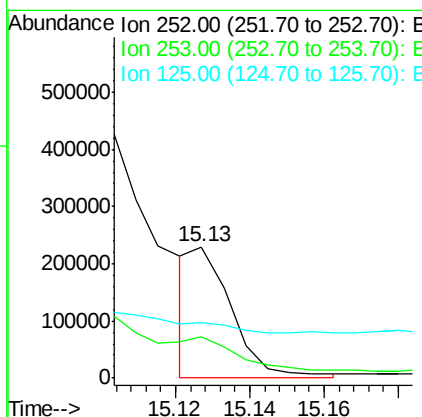
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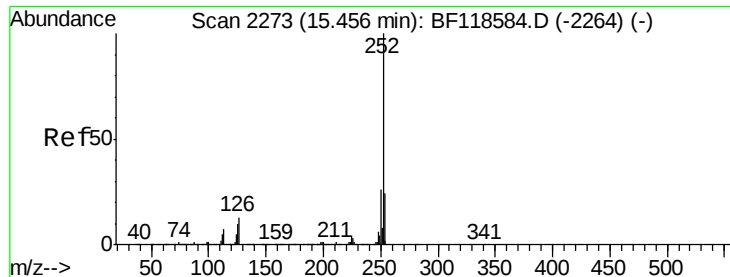
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#89
Benzo(k)fluoranthene
Concen: 4.258 ng m
RT: 15.13 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF118616.D
Acq: 21 Jan 2020 2:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.3	19.0	28.4
125	42.1	7.6	11.4





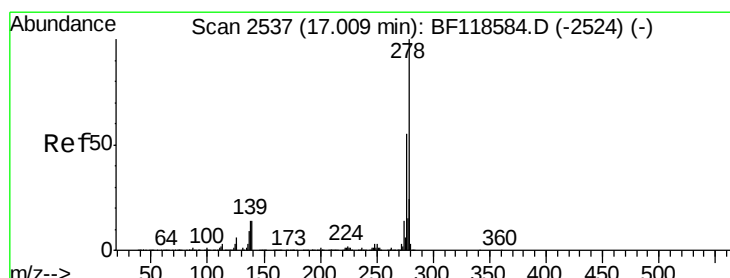
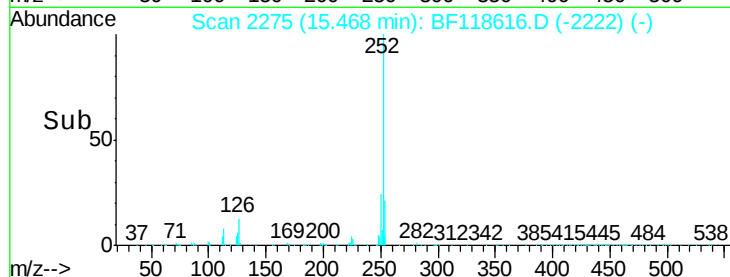
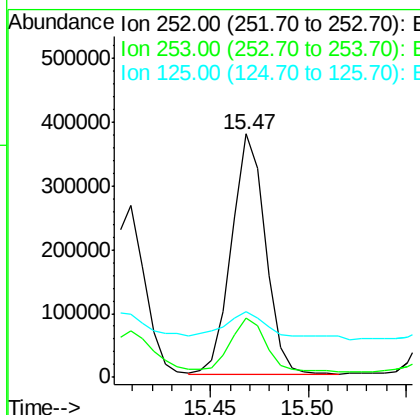
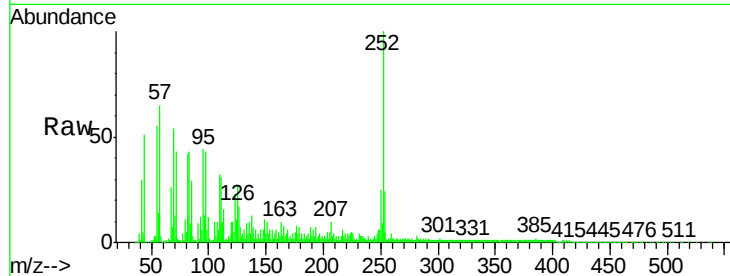
#90
Benzo(a)pyrene
Concen: 12.042 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.01 min
Lab File: BF118616.D
Acq: 21 Jan 2020 2:54

Instrument :
BNA_F
ClientSampleId :
STOCKPILE

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.8	28.2
125	27.2	7.8	11.6

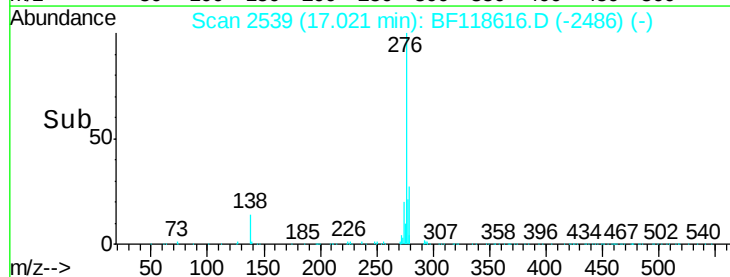
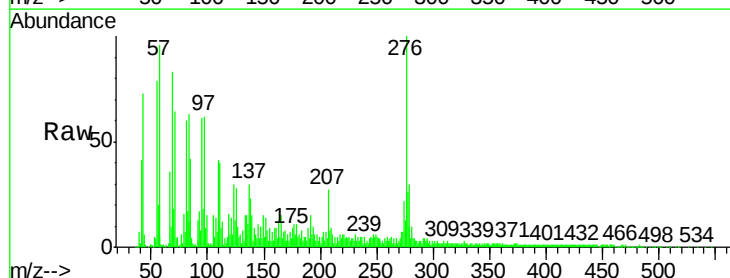
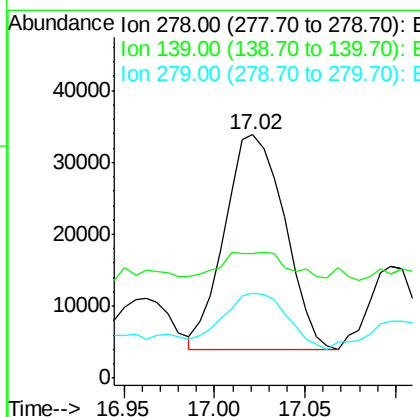
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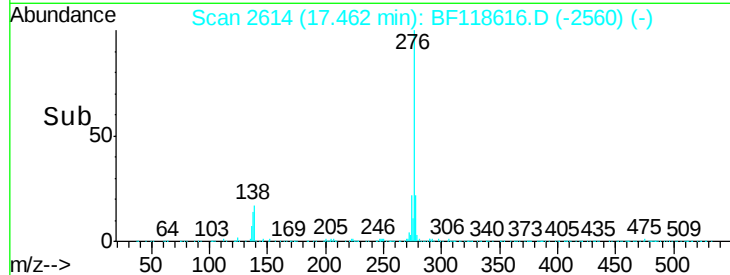
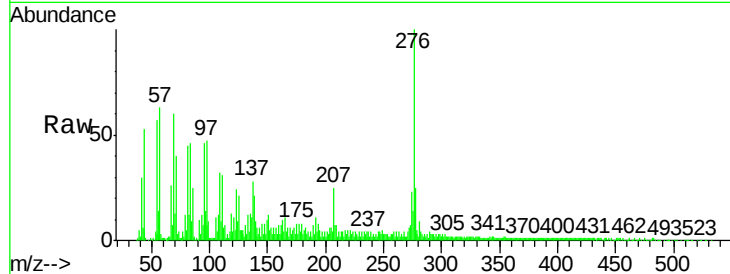
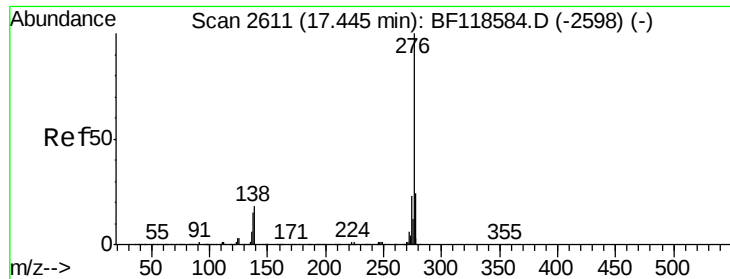
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#91
Dibenzo(a,h)anthracene
Concen: 2.074 ng
RT: 17.02 min Scan# 2539
Delta R.T. 0.01 min
Lab File: BF118616.D
Acq: 21 Jan 2020 2:54

Tgt Ion	Ratio	Lower	Upper
278	100		
139	51.0	11.4	17.0
279	35.0	19.0	28.6





#92
Benzo(a,h,i)perylene
Concen: 7.977 ng
RT: 17.46 min Scan# 2614
Delta R.T. 0.02 min
Lab File: BF118616.D
Acq: 21 Jan 2020 2:54

Tot Ion:	276	Resp:	256441
Ion Ratio	Lower	Upper	
276	100		
277	24.7	18.9	28.3
138	21.1	14.4	21.6

Instrument :
BNA_F
ClientSampleId :
STOCKPILE

Manual Integrations
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