

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083019\
 Data File : BF116674.D
 Acq On : 31 Aug 2019 2:25
 Operator : HP/JU
 Sample : K4516-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T1-S-B1-B4

Manual Integrations
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mohammad
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Quant Time: Aug 31 04:48:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	106948	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	427025	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	220205	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	371318	20.00	ng	0.00
76) Chrysene-d12	13.99	240	239591	20.00	ng	0.00
87) Perylene-d12	15.45	264	246539	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	718057	108.77	ng	0.00
7) Phenol-d6	6.47	99	993137	114.57	ng	0.00
23) Nitrobenzene-d5	7.40	82	632512	84.56	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	186371	126.60	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	968712	74.21	ng	0.00
79) Terphenyl-d14	12.94	244	894086	69.03	ng	0.00
Target Compounds						
10) Phenol	6.49	94	36278	3.779	ng	88
50) Dimethylphthalate	9.59	163	101017	6.645	ng	99
71) Phenanthrene	11.38	178	50783	2.457	ng	99
75) Fluoranthene	12.57	202	132973	6.546	ng	99
78) Pyrene	12.80	202	117633	5.523	ng	99
81) Benzo(a)anthracene	13.98	228	60865	4.014	ng	95
83) Chrysene	14.02	228	52768	3.378	ng	96
86) Indeno(1,2,3-cd)pyrene	16.89	276	33647	2.681	ng	96
88) Benzo(b)fluoranthene	15.02	252	63771m	4.278	ng	
90) Benzo(a)pyrene	15.38	252	44239	3.411	ng	# 89
92) Benzo(g,h,i)perylene	17.32	276	30737	2.655	ng	# 91

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

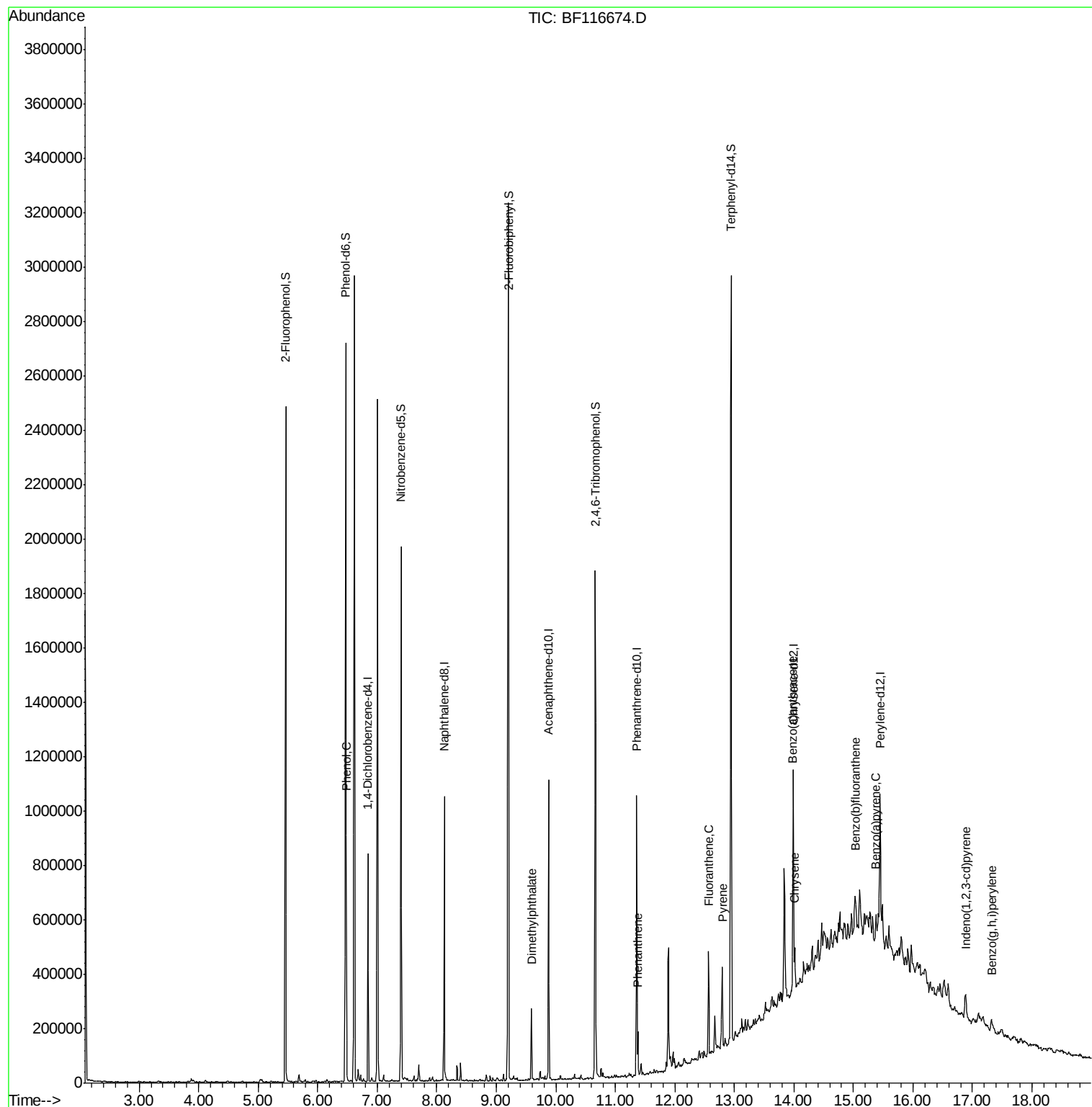
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083019\
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ALS Vial : 13 Sample Multiplier: 1

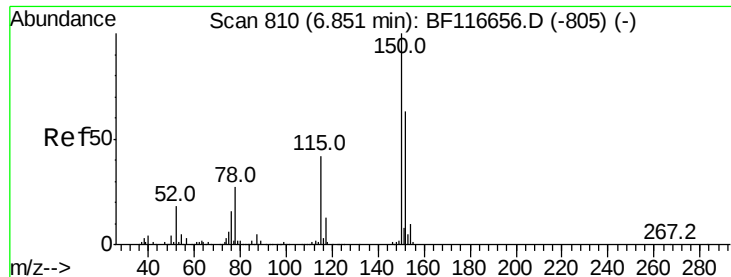
Instrument :
BNA_F
ClientSampleId :
T1-S-B1-B4

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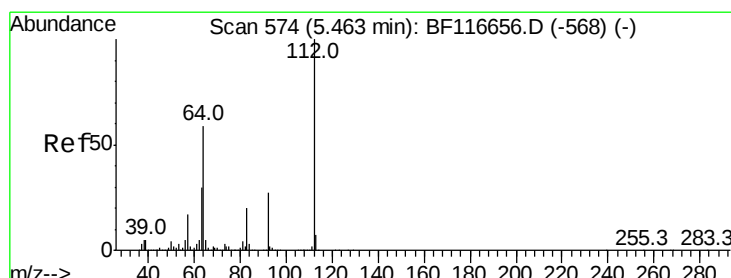
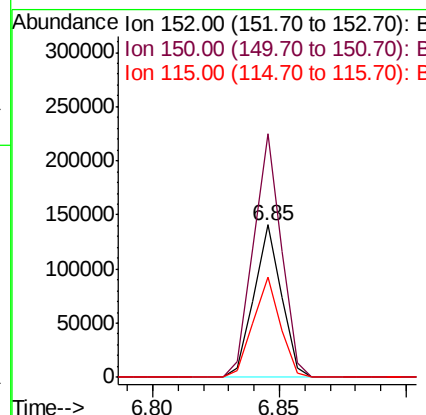
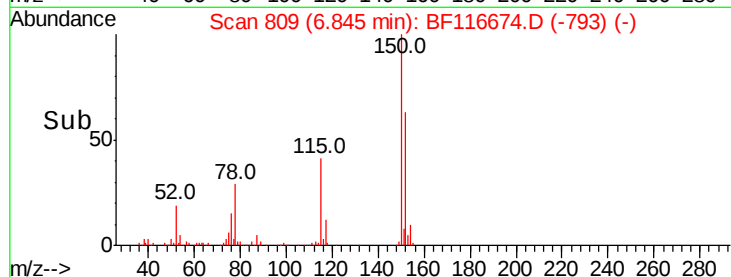
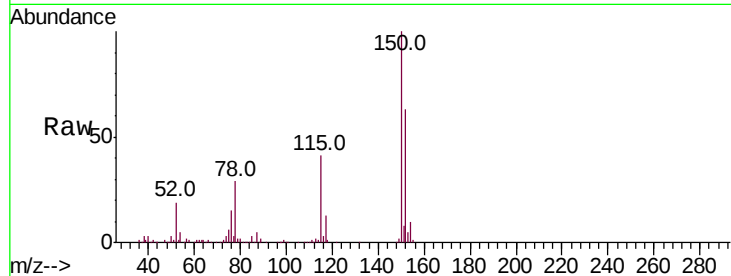
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF116674.D
 Acq: 31 Aug 2019 2:25

Instrument :
 BNA_F
 ClientSampleId :
 T1-S-B1-B4

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.5	124.4	186.6
115	65.7	49.9	74.9

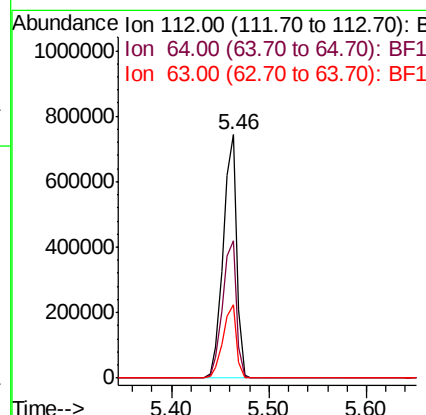
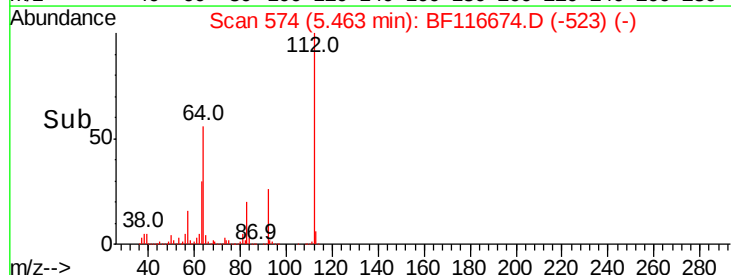
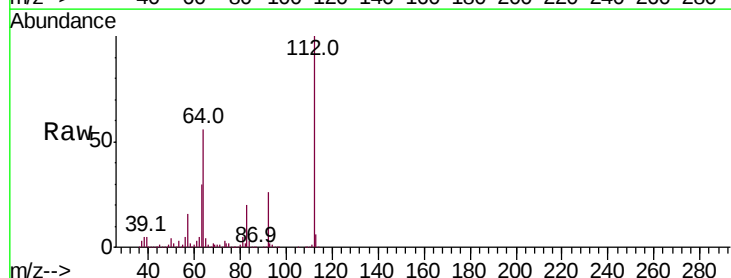
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#5
 2-Fluorophenol
 Concen: 108.772 ng
 RT: 5.46 min Scan# 574
 Delta R.T. 0.00 min
 Lab File: BF116674.D
 Acq: 31 Aug 2019 2:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	47.1	70.7
63	29.9	24.9	37.3





#7

Phenol-d6

Concen: 114.569 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116674.D

Acq: 31 Aug 2019 2:25

Instrument :

BNA_F

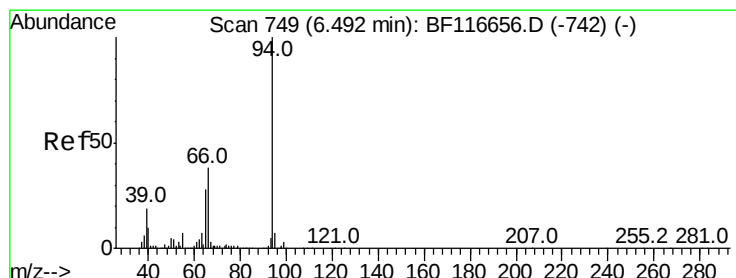
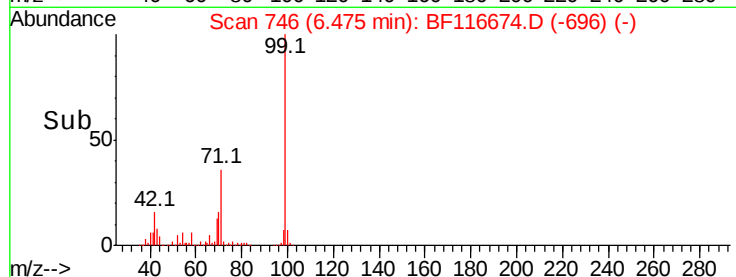
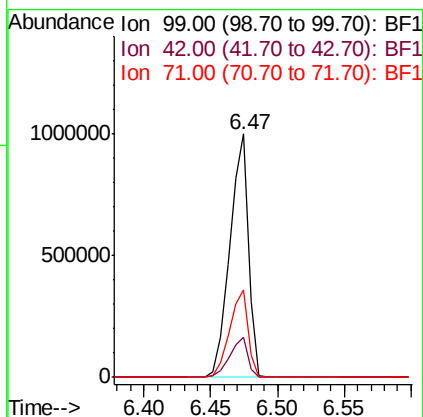
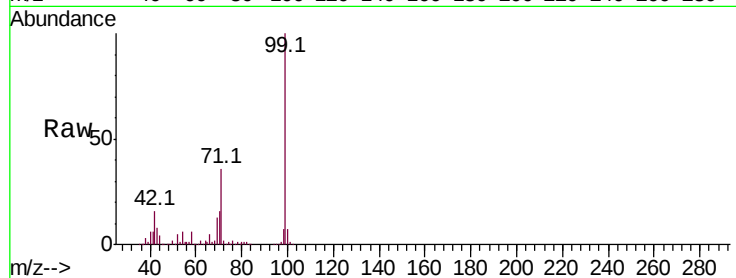
ClientSampled :

T1-S-B1-B4

Tot Ion:	99	Resp:	993137
Ion Ratio	Lower	Upper	
99	100		
42	16.3	13.7	20.5
71	35.7	30.8	46.2

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#10

Phenol

Concen: 3.779 ng

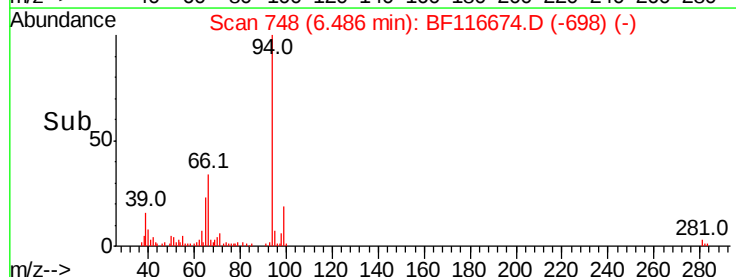
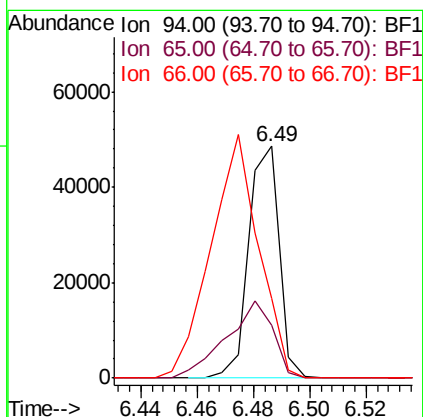
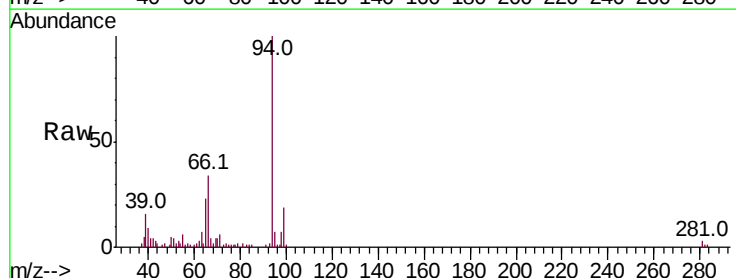
RT: 6.49 min Scan# 748

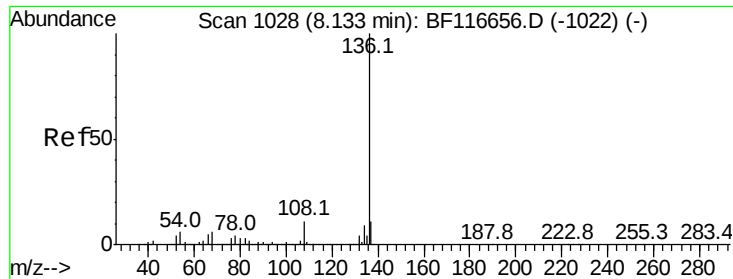
Delta R.T. -0.01 min

Lab File: BF116674.D

Acq: 31 Aug 2019 2:25

Tgt Ion:	94	Resp:	36278
Ion Ratio	Lower	Upper	
94	100		
65	23.1	10.8	50.8
66	34.2	21.1	61.1





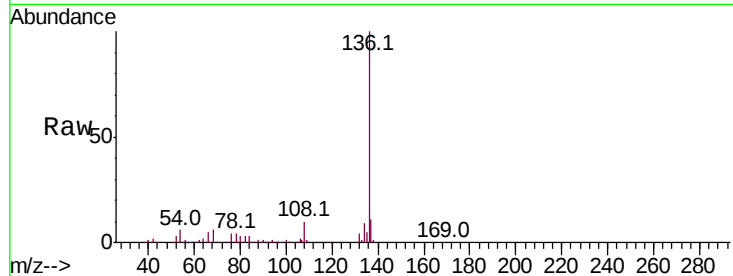
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116674.D
Acq: 31 Aug 2019 2:25

Instrument :
BNA_F
ClientSampled :
T1-S-B1-B4

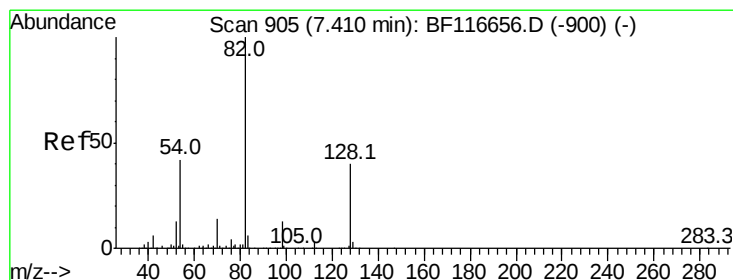
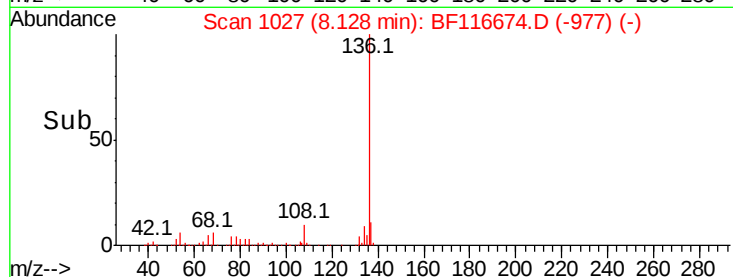
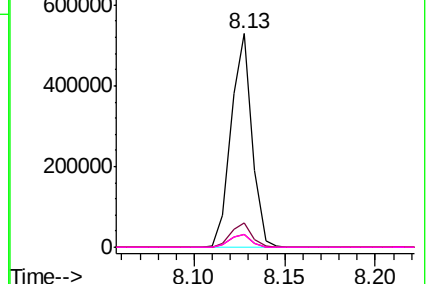
Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.2	8.9	13.3
54	6.1	4.8	7.2
68	5.8	4.0	6.0

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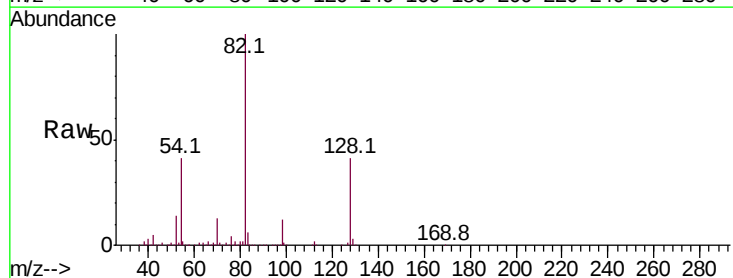


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

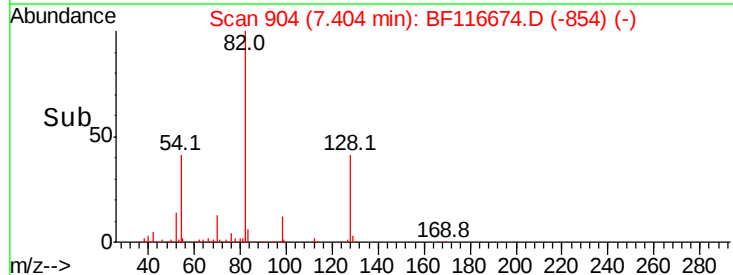
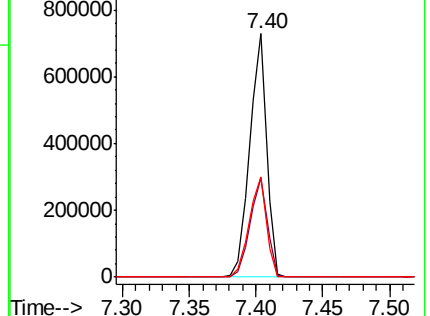


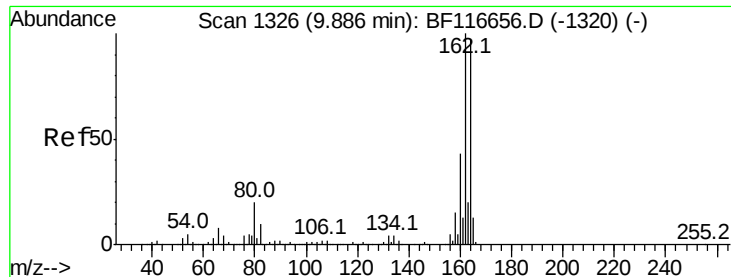
#23
Nitrobenzene-d5
Concen: 84.558 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116674.D
Acq: 31 Aug 2019 2:25

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	40.7	32.8	49.2
54	41.0	36.9	55.3



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





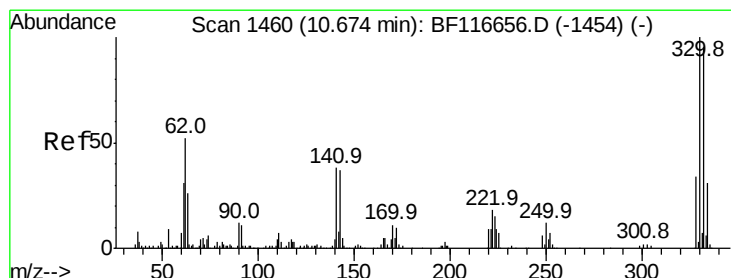
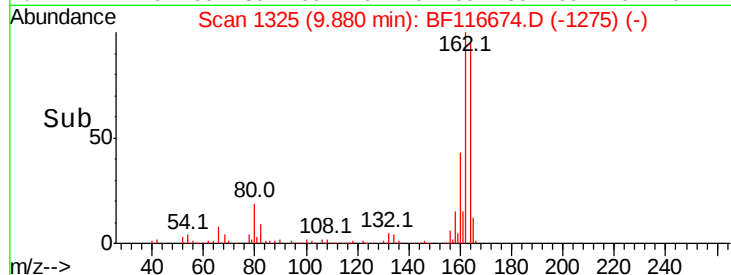
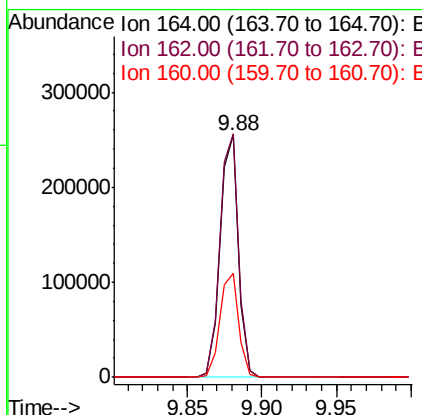
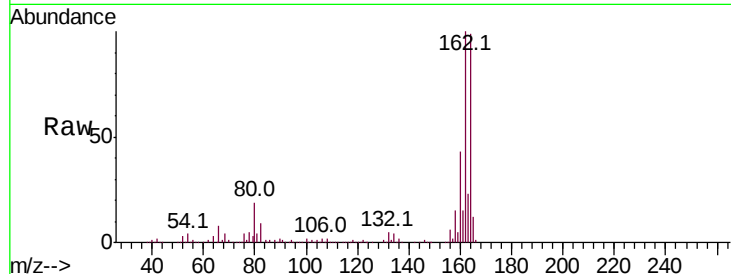
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116674.D
Acq: 31 Aug 2019 2:25

Instrument :
BNA_F
ClientSampleId :
T1-S-B1-B4

Tot Ion	Ratio	Resp	Lower	Upper
164	100	220205		
162	100.7	81.4	122.0	
160	43.3	35.4	53.2	

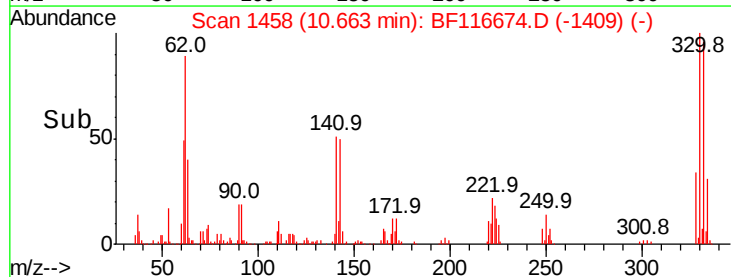
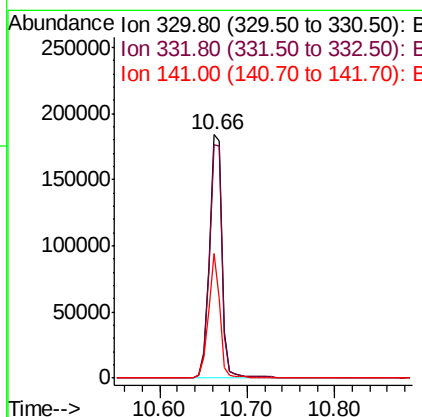
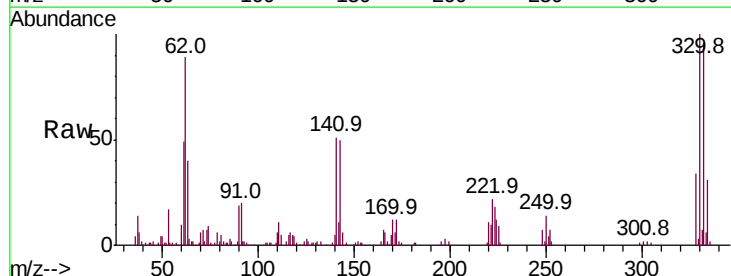
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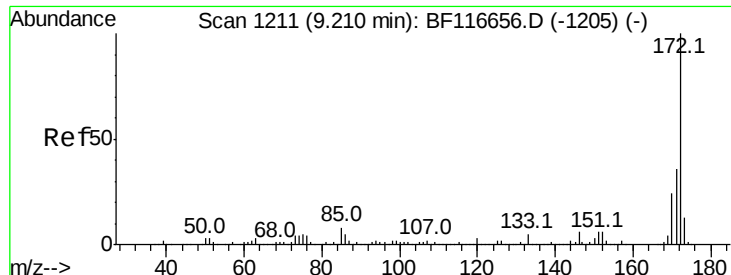
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#42
2,4,6-Tribromophenol
Concen: 126.601 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BF116674.D
Acq: 31 Aug 2019 2:25

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	186371		
332	95.7	76.9	115.3	
141	45.1	31.4	47.2	





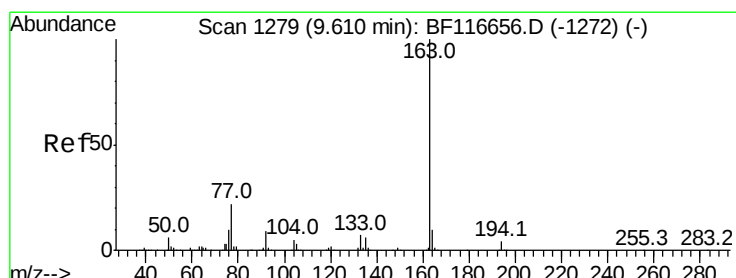
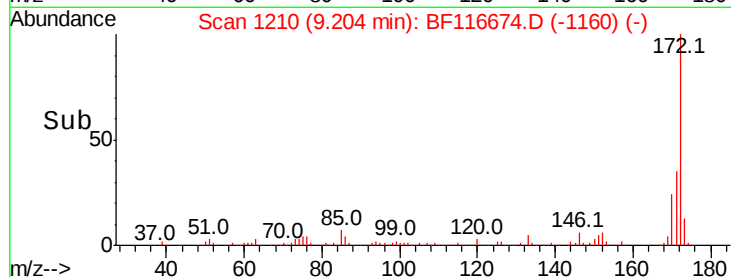
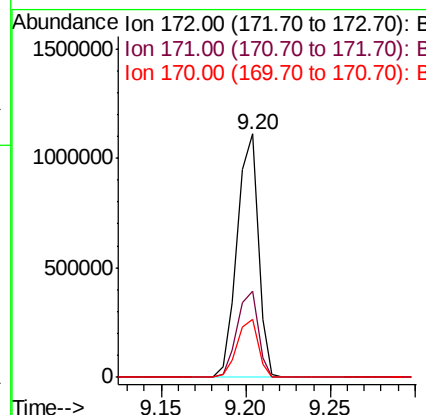
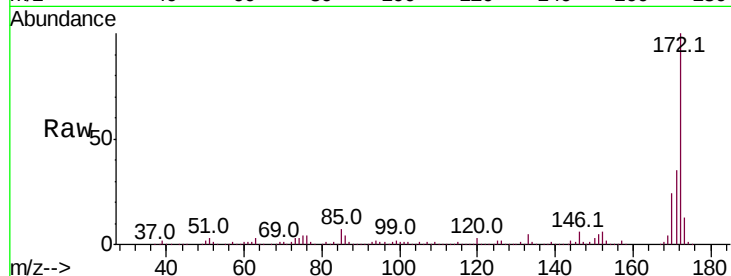
#45
2-Fluorobiphenyl
Concen: 74.209 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF116674.D
Acq: 31 Aug 2019 2:25

Instrument :
BNA_F
ClientSampled :
T1-S-B1-B4

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	35.5	27.8	41.6
170	24.0	18.9	28.3

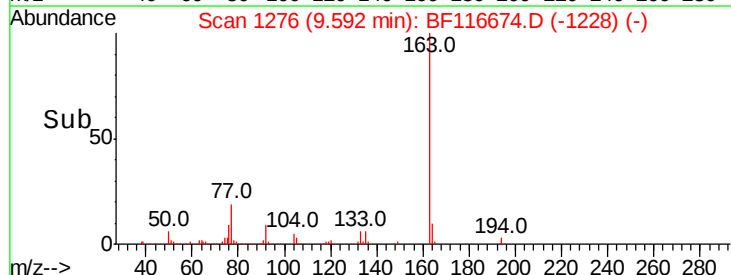
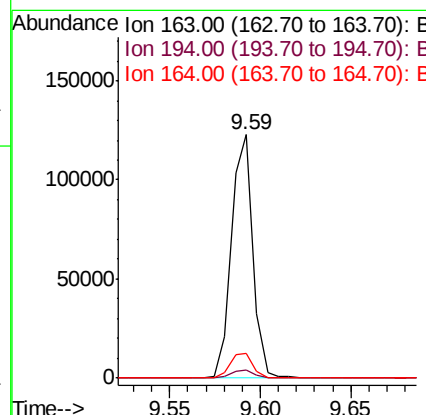
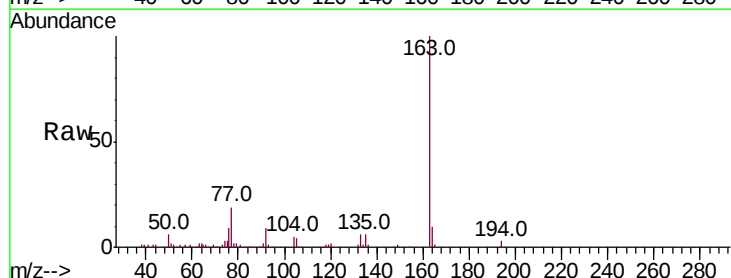
Manual Integrations
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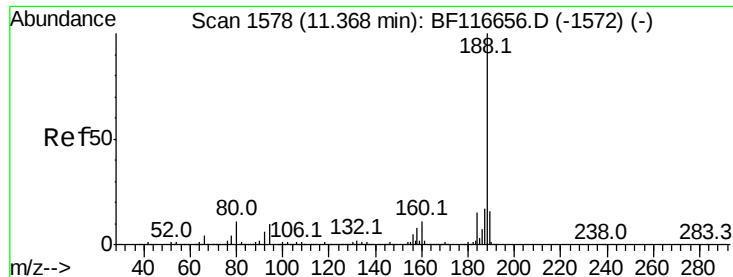
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#50
Dimethylphthalate
Concen: 6.645 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116674.D
Acq: 31 Aug 2019 2:25

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	3.3	2.8	4.2
164	10.4	8.6	12.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF116674.D

Acq: 31 Aug 2019 2:25

Instrument :

BNA_F

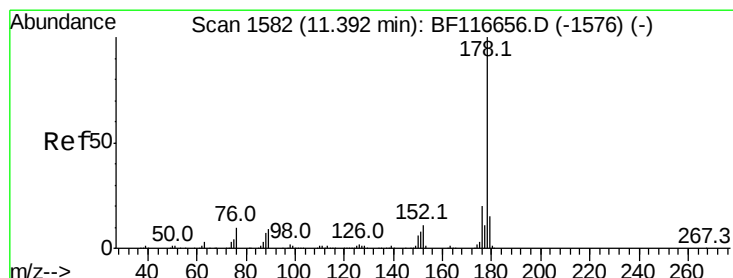
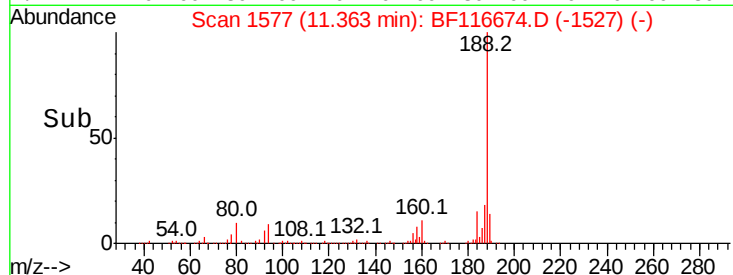
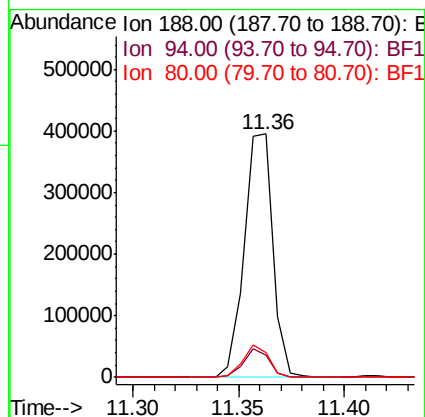
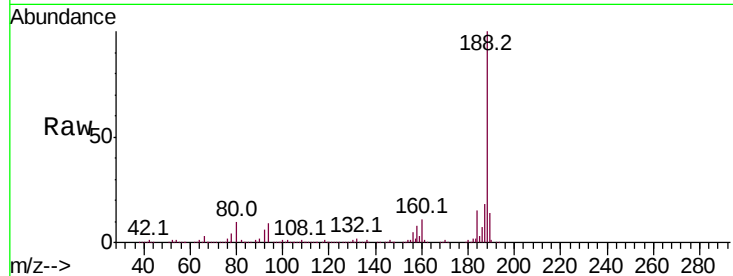
ClientSampled :

T1-S-B1-B4

Tot Ion:	188	Resp:	371318
Ion Ratio	Lower	Upper	
188	100		
94	9.4	7.3	10.9
80	10.2	8.4	12.6

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#71

Phenanthrene

Concen: 2.457 ng

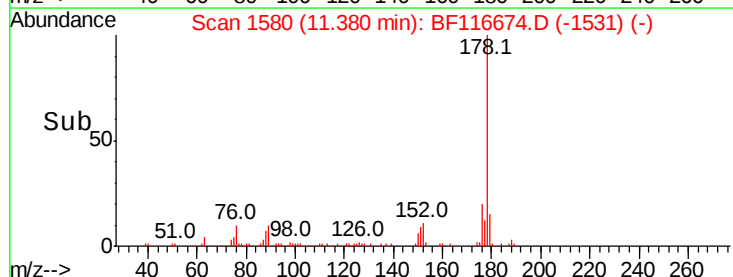
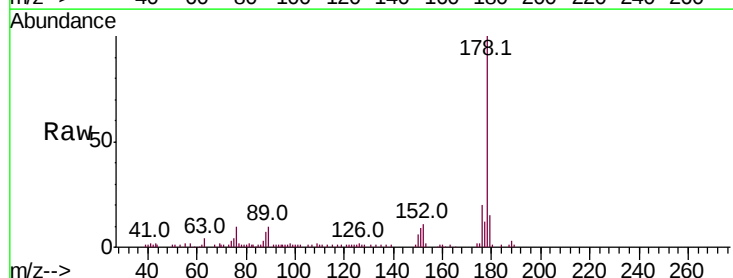
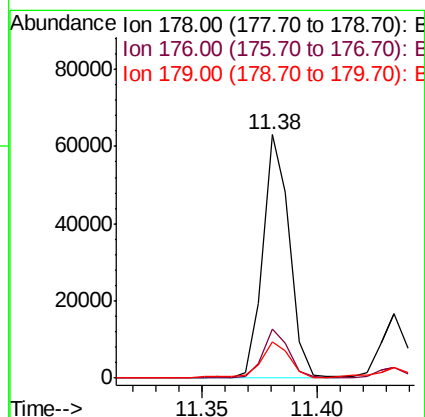
RT: 11.38 min Scan# 1580

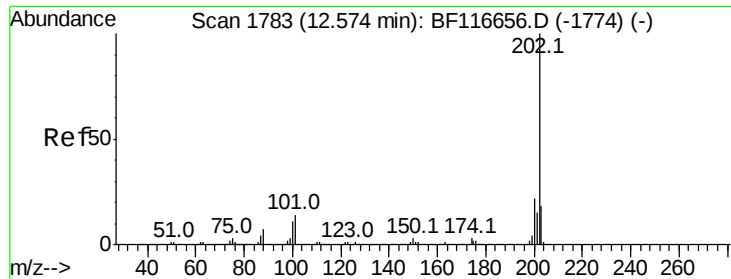
Delta R.T. -0.01 min

Lab File: BF116674.D

Acq: 31 Aug 2019 2:25

Tgt Ion:	178	Resp:	50783
Ion Ratio	Lower	Upper	
178	100		
176	20.1	15.4	23.0
179	14.9	12.2	18.2





#75

Fluoranthene

Concen: 6.546 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BF116674.D

Acq: 31 Aug 2019 2:25

Instrument :

BNA_F

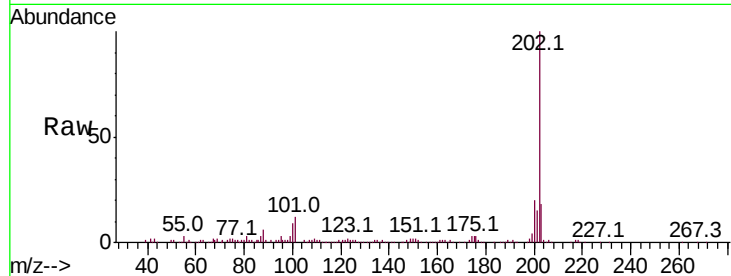
ClientSampled :

T1-S-B1-B4

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.0	0.0	31.3
203	18.0	0.0	37.6

Manual Integrations
APPROVED

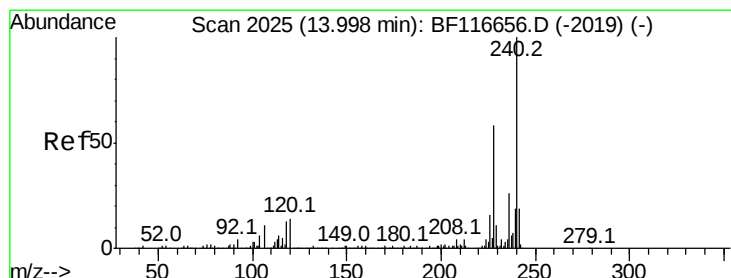
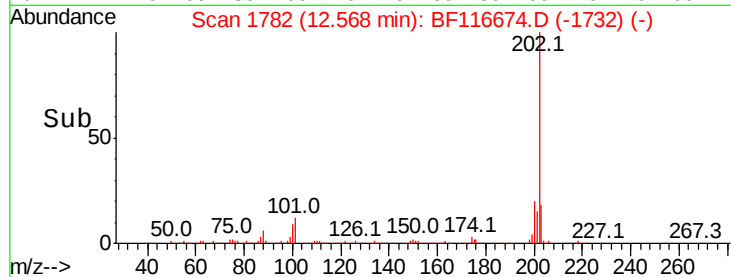
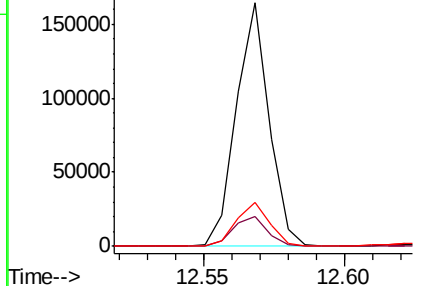
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF116674.D

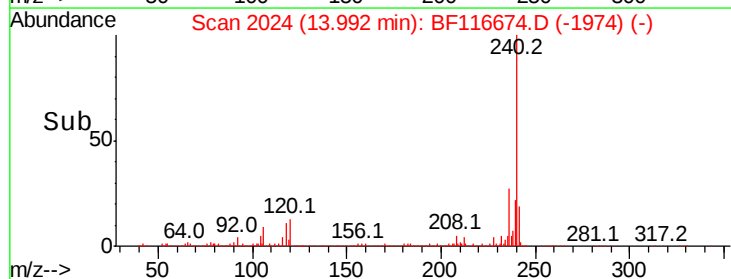
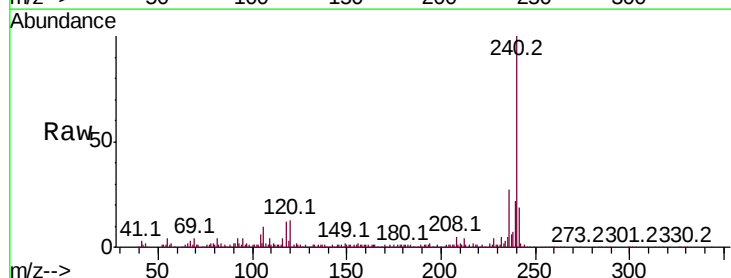
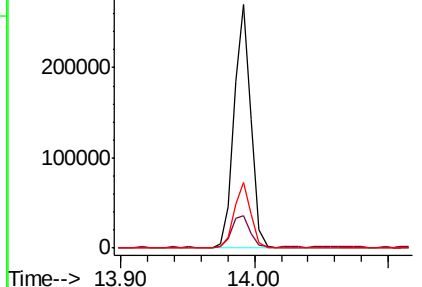
Acq: 31 Aug 2019 2:25

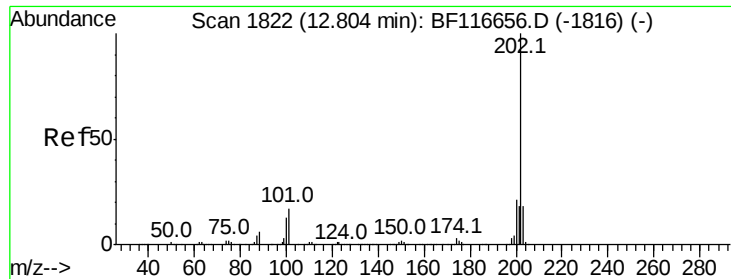
Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.3	9.1	13.7
236	27.0	21.1	31.7

Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





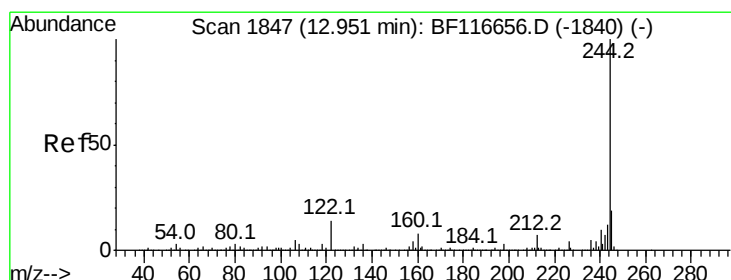
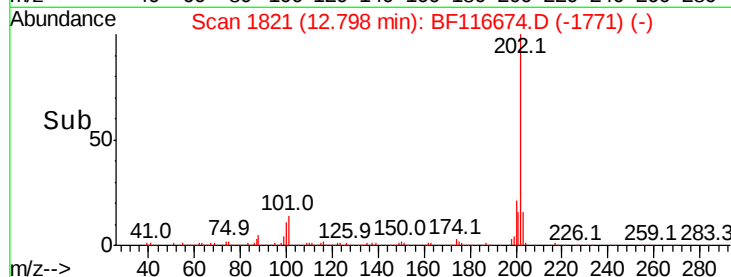
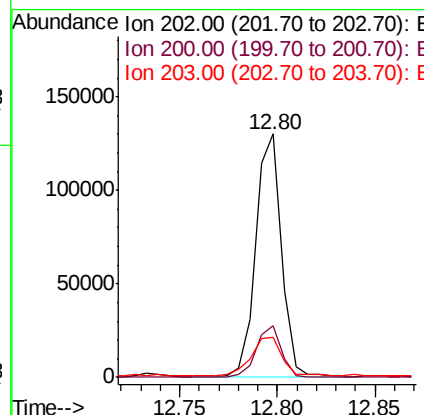
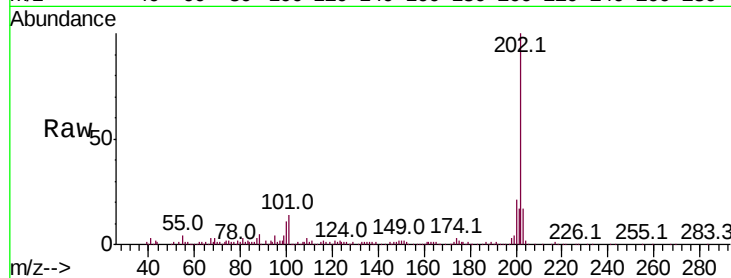
#78
Pvrene
Concen: 5.523 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF116674.D
Acq: 31 Aug 2019 2:25

Instrument :
BNA_F
ClientSampleId :
T1-S-B1-B4

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.0	16.5	24.7
203	16.7	13.7	20.5

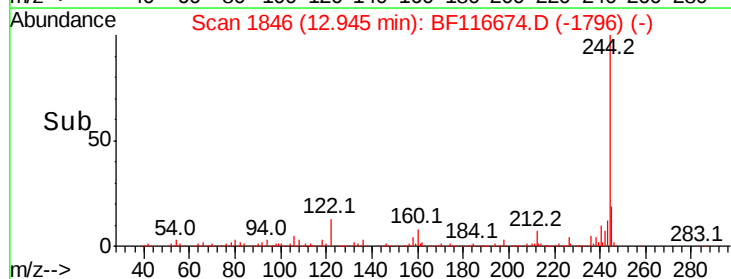
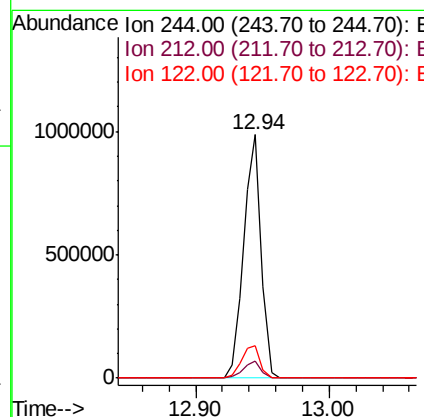
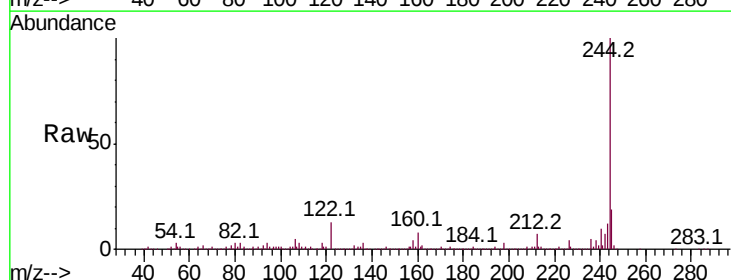
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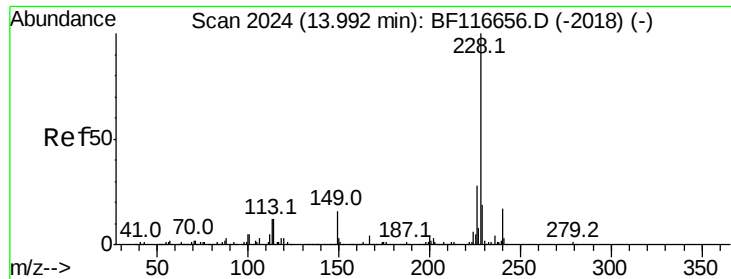
mohammad
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#79
Terphenyl-d14
Concen: 69.035 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116674.D
Acq: 31 Aug 2019 2:25

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.2	6.1	9.1
122	13.3	10.2	15.4





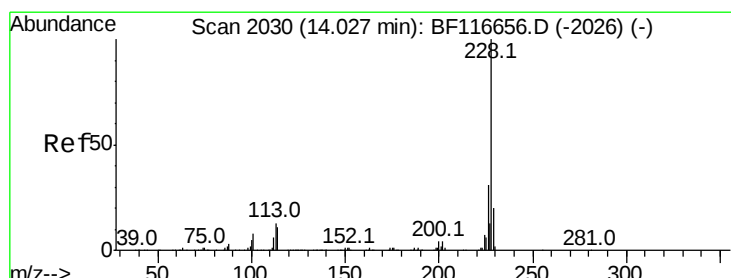
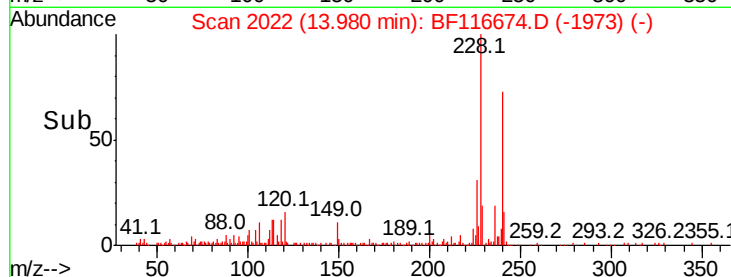
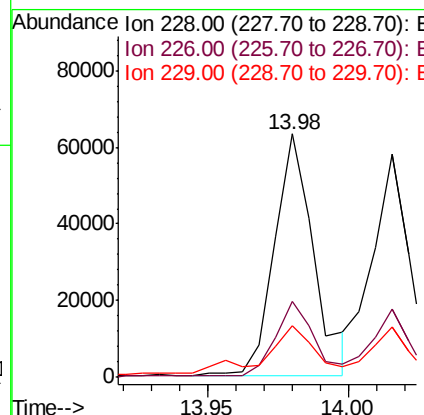
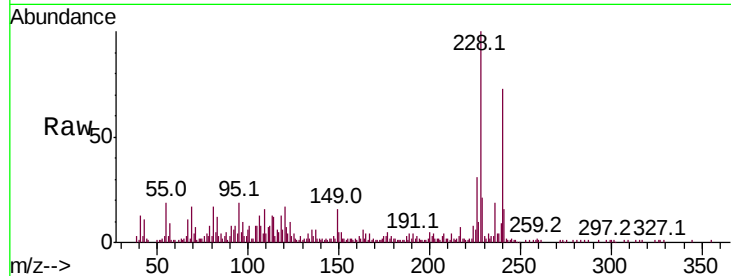
#81
Benzo(a)anthracene
Concen: 4.014 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF116674.D
Acq: 31 Aug 2019 2:25

Instrument :
BNA_F
ClientSampleId :
T1-S-B1-B4

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.4	22.0	33.0
229	21.0	16.4	24.6

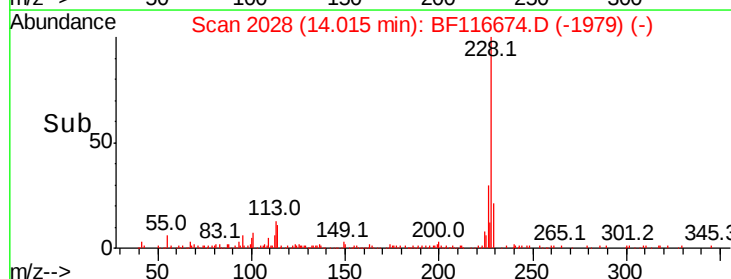
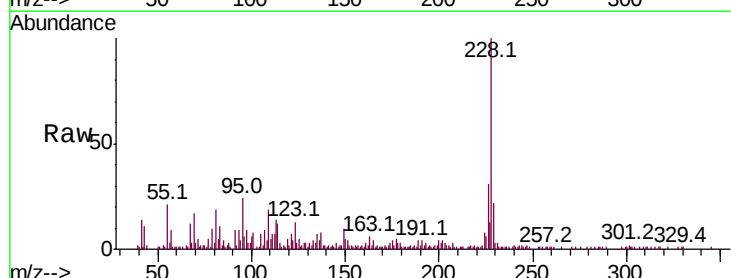
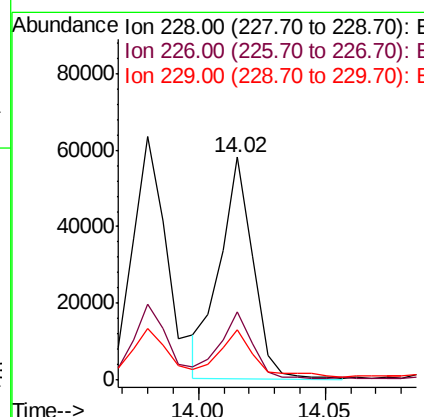
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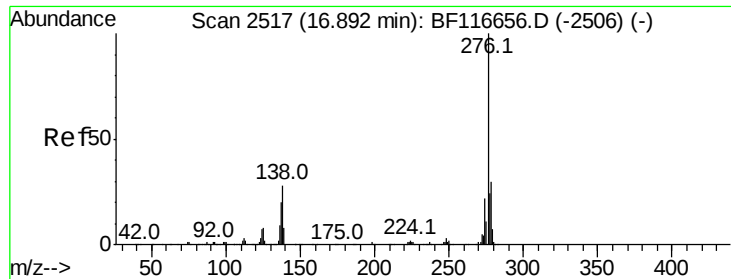
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#83
Chrysene
Concen: 3.378 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF116674.D
Acq: 31 Aug 2019 2:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.0	36.0
229	22.5	15.4	23.0





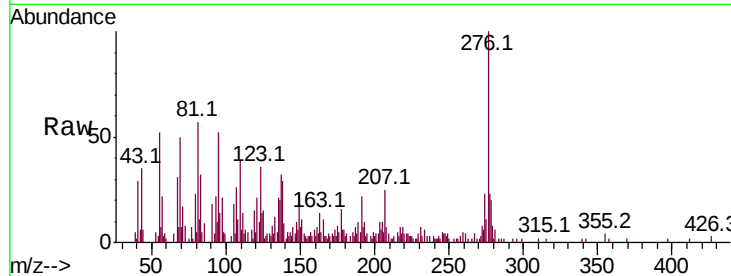
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.681 ng
RT: 16.89 min Scan# 2516
Delta R.T. -0.01 min
Lab File: BF116674.D
Acq: 31 Aug 2019 2:25

Instrument :
BNA_F
ClientSampleId :
T1-S-B1-B4

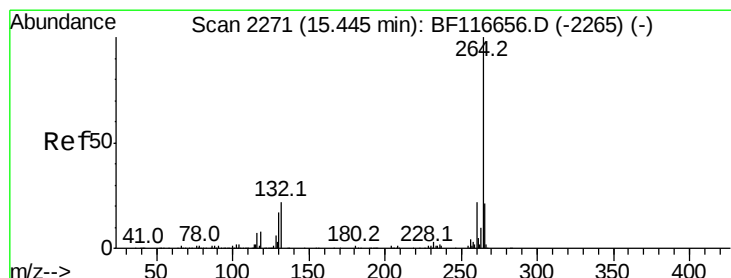
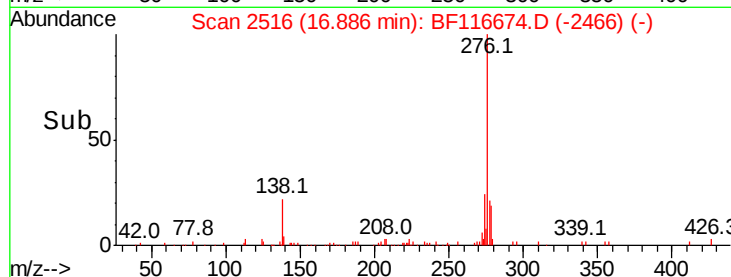
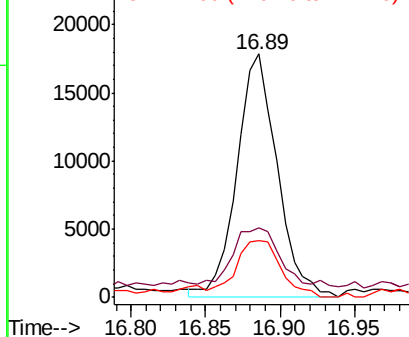
Tot Ion	Ratio	Lower	Upper
276	100		
138	28.1	19.4	29.2
277	26.1	20.5	30.7

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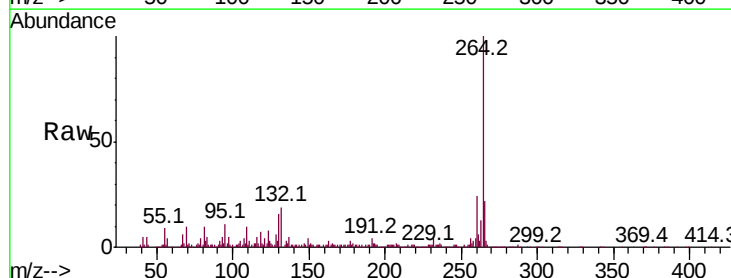


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

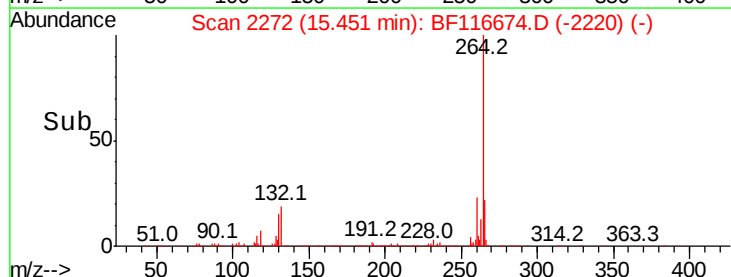
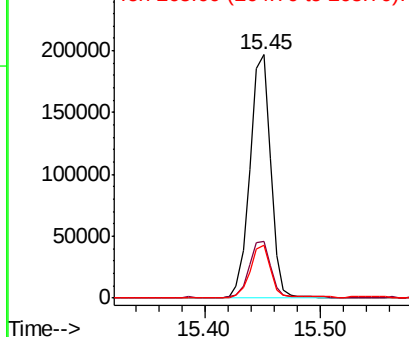


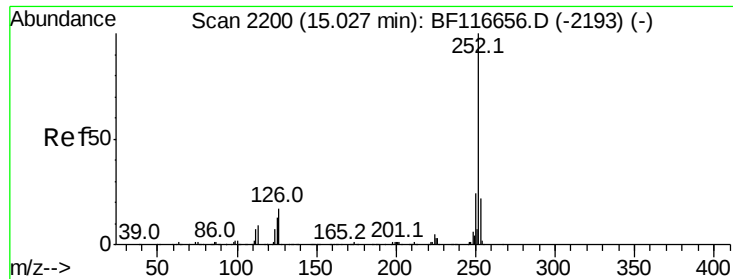
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF116674.D
Acq: 31 Aug 2019 2:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.3	27.5
265	21.9	16.5	24.7



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





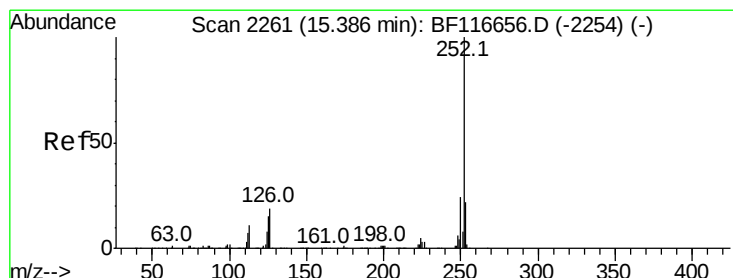
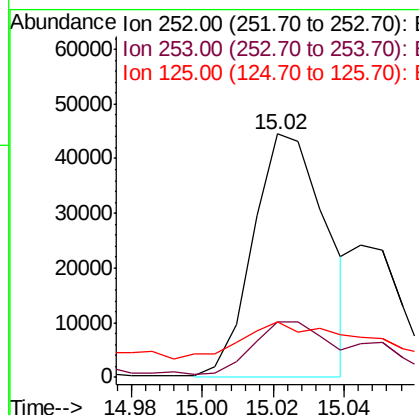
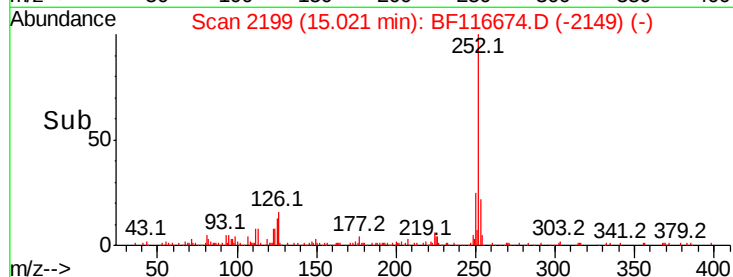
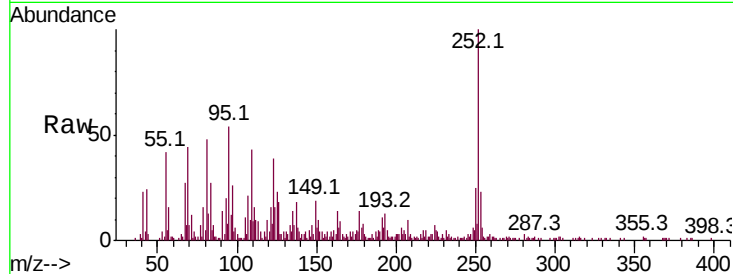
#88
Benzo(b)fluoranthene
Concen: 4.278 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF116674.D
Acq: 31 Aug 2019 2:25

Instrument :
BNA_F
ClientSampleId :
T1-S-B1-B4

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.7	26.5
125	22.6	8.2	12.2

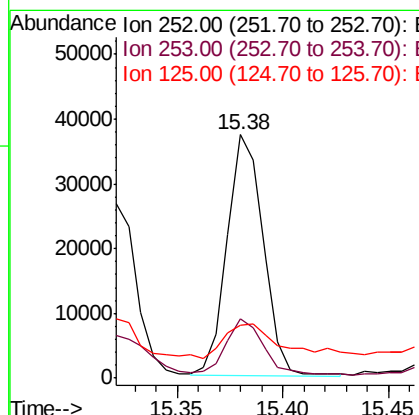
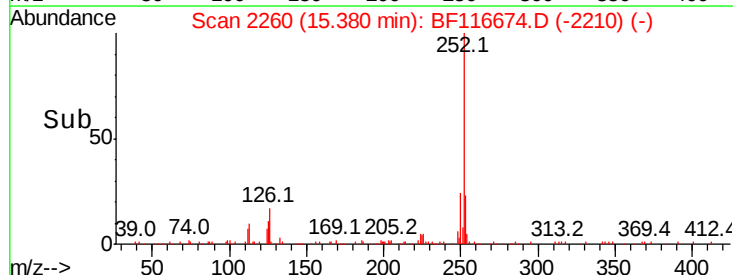
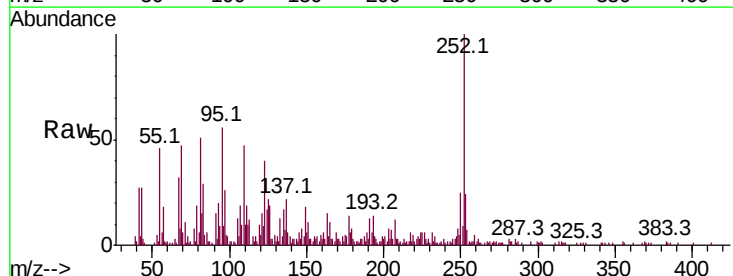
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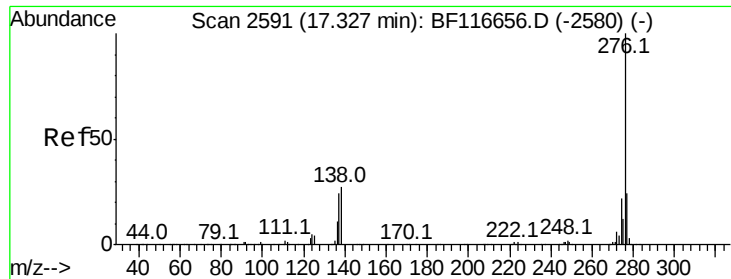
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#90
Benzo(a)pyrene
Concen: 3.411 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF116674.D
Acq: 31 Aug 2019 2:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.1	27.1
125	21.7	9.8	14.8





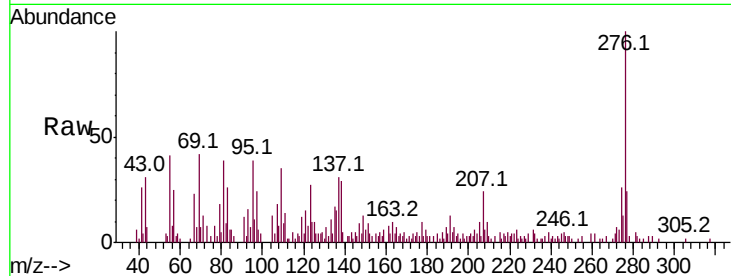
#92
 Benzo(a,h,i)perylene
 Concen: 2.655 ng
 RT: 17.32 min Scan# 2590
 Delta R.T. -0.01 min
 Lab File: BF116674.D
 Acq: 31 Aug 2019 2:25

Instrument :
 BNA_F
 ClientSampleId :
 T1-S-B1-B4

Tot Ion:	276	Resp:	30737
Ion Ratio	Lower	Upper	
276	100		
277	23.7	18.5	27.7
138	28.9	16.2	24.2

Manual Integrations
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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

