

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090319\
 Data File : BF116775.D
 Acq On : 3 Sep 2019 16:31
 Operator : HP/JU
 Sample : K4581-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T12-C1-C4-(0-3.5)

Manual Integrations
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mohammad
 9/6/2019 8:18:09 AM

Quant Time: Sep 04 06:48:00 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	105124	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	425548	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	215897	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	346039	20.00	ng	0.00
76) Chrysene-d12	14.00	240	278501	20.00	ng	0.00
87) Perylene-d12	15.45	264	286602	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	615140	94.80	ng	0.00
7) Phenol-d6	6.47	99	831120	97.54	ng	0.00
23) Nitrobenzene-d5	7.40	82	496671	66.63	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	169541	117.47	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	775121	60.56	ng	0.00
79) Terphenyl-d14	12.94	244	772369	51.30	ng	0.00
Target Compounds						
10) Phenol	6.49	94	50573	5.360	ng	87
50) Dimethylphthalate	9.59	163	102874	6.902	ng	97
71) Phenanthrene	11.39	178	63746	3.309	ng	93
75) Fluoranthene	12.57	202	150303	7.940	ng	91
78) Pyrene	12.80	202	129481	5.230	ng	# 95
81) Benzo(a)anthracene	13.99	228	59630	3.383	ng	96
83) Chrysene	14.02	228	76508m	4.213	ng	
84) Bis(2-ethylhexyl)phthalate	13.98	149	111115	7.477	ng	# 98
86) Indeno(1,2,3-cd)pyrene	16.89	276	45141	3.095	ng	97
88) Benzo(b)fluoranthene	15.03	252	100154m	5.780	ng	
90) Benzo(a)pyrene	15.39	252	59505	3.947	ng	# 95
92) Benzo(a,h,i)perylene	17.32	276	41162	3.059	ng	# 94

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

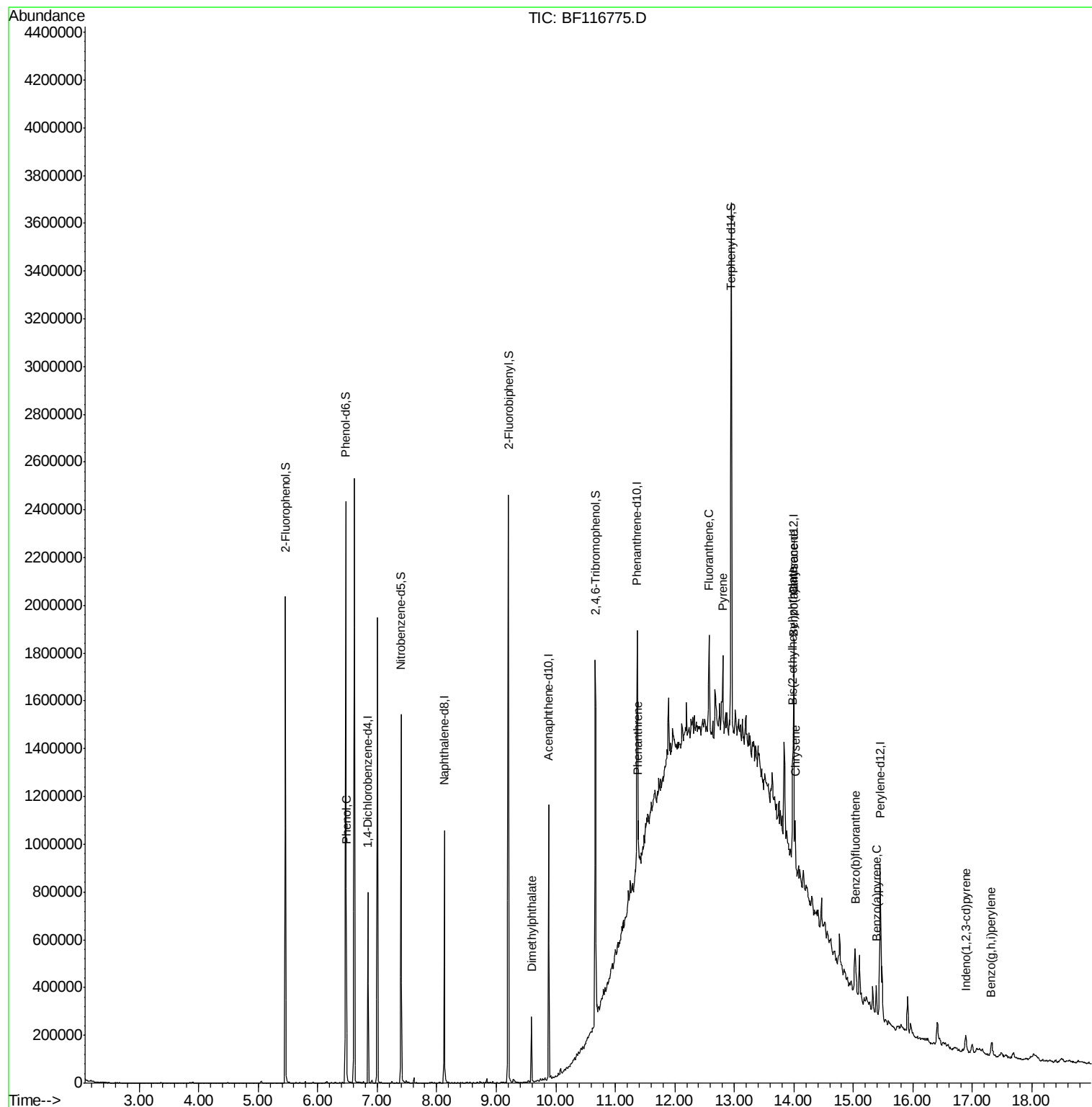
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090319\
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T12-C1-C4-(0-3.5)

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#1

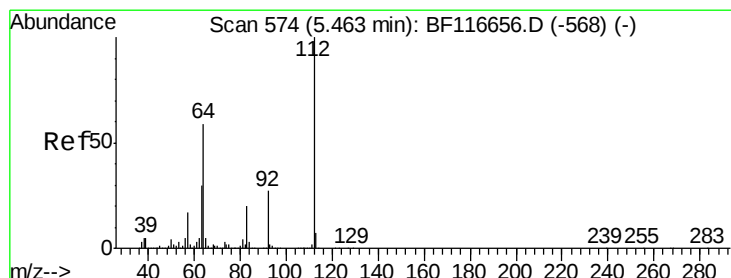
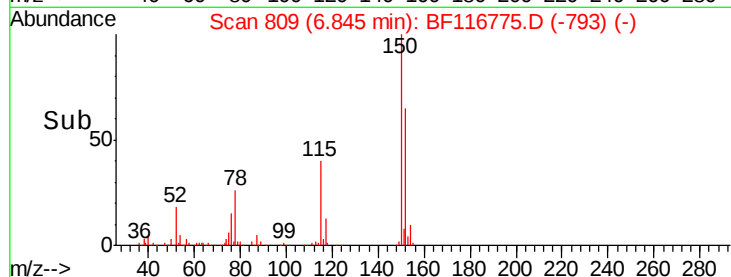
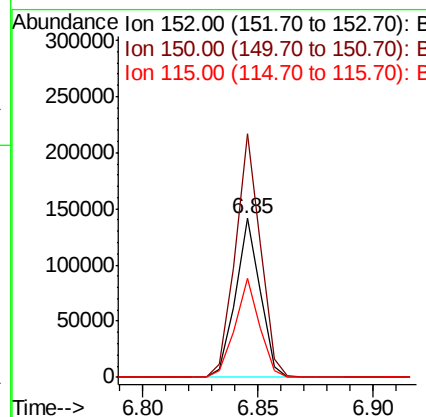
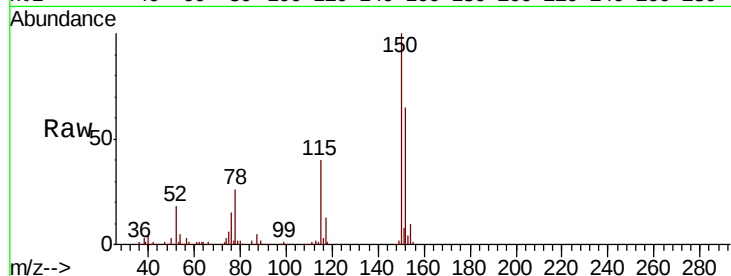
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116775.D
Acq: 3 Sep 2019 16:31

Instrument :
BNA_F
ClientSampleId :
T12-C1-C4-(0-3.5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	124.4	186.6
115	62.0	49.9	74.9

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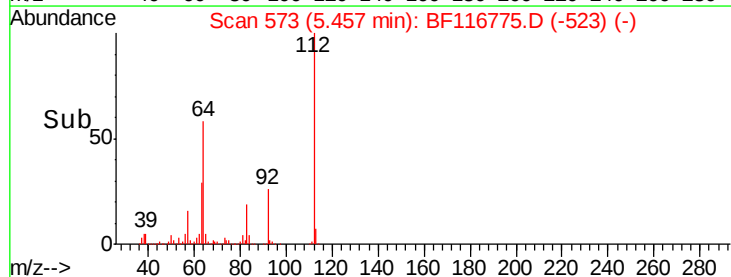
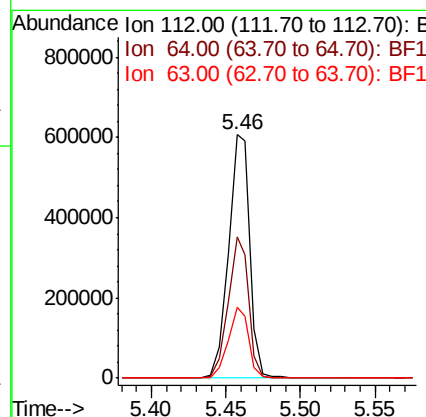
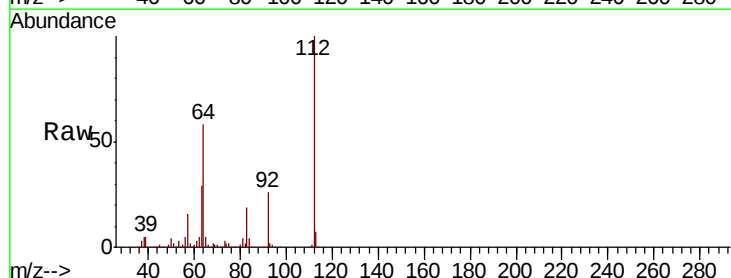
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#5

2-Fluorophenol
Concen: 94.799 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116775.D
Acq: 3 Sep 2019 16:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	47.1	70.7
63	28.9	24.9	37.3





#7

Phenol-d6

Concen: 97.542 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116775.D

Acq: 3 Sep 2019 16:31

Instrument :

BNA_F

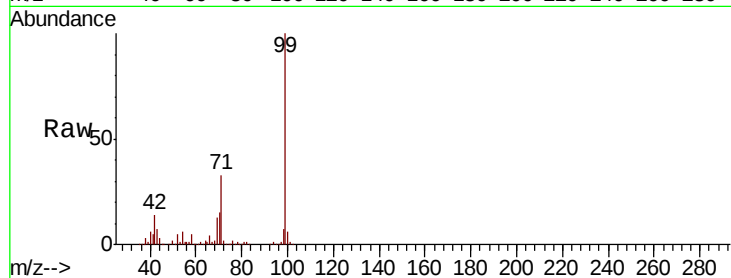
ClientSampleId :

T12-C1-C4-(0-3.5)

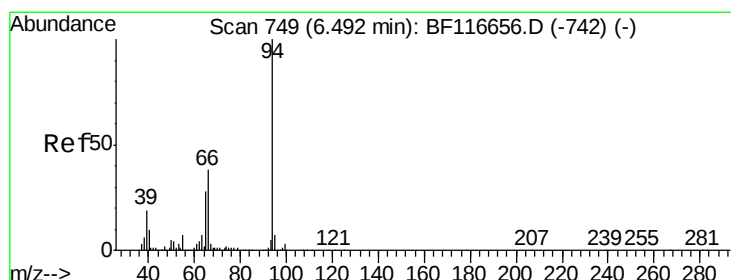
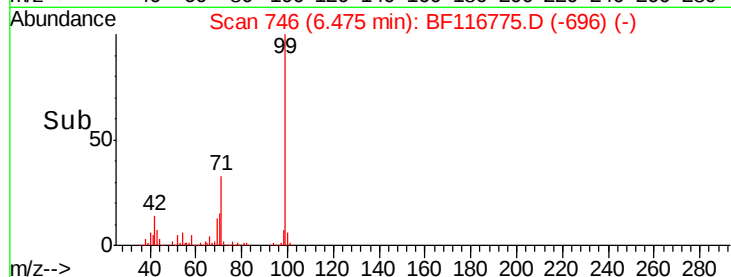
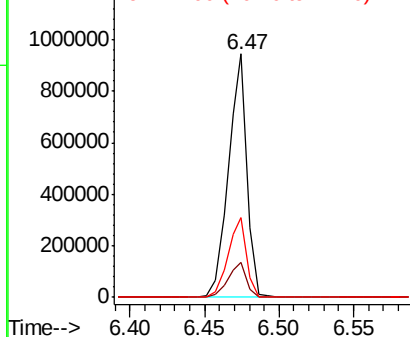
Tot Ion:	99	Resp:	831120
Ion Ratio	Lower	Upper	
99	100		
42	14.3	13.7	20.5
71	32.5	30.8	46.2

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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



#10

Phenol

Concen: 5.360 ng

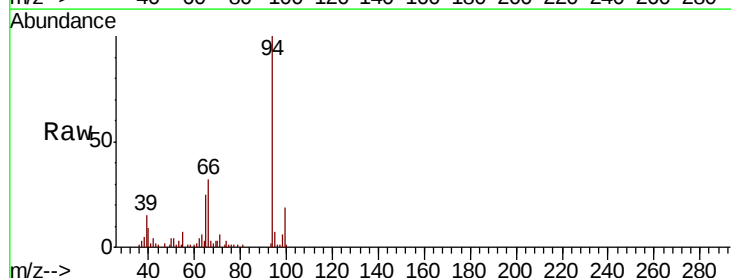
RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

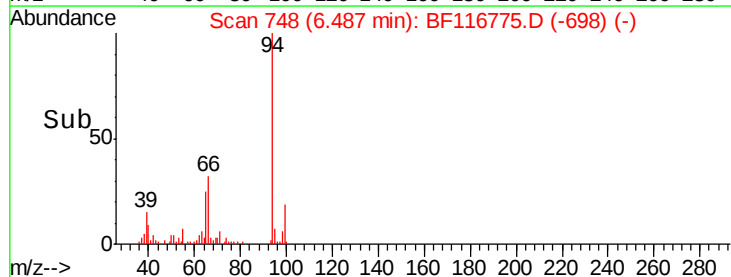
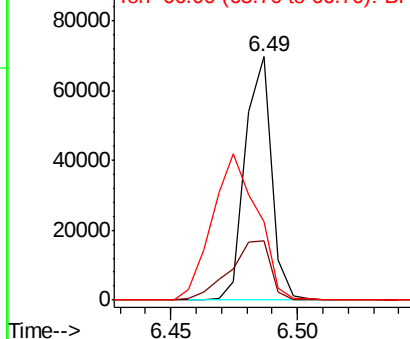
Lab File: BF116775.D

Acq: 3 Sep 2019 16:31

Tgt Ion:	94	Resp:	50573
Ion Ratio	Lower	Upper	
94	100		
65	24.6	10.8	50.8
66	32.4	21.1	61.1



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF116775.D

Acq: 3 Sep 2019 16:31

Instrument :

BNA_F

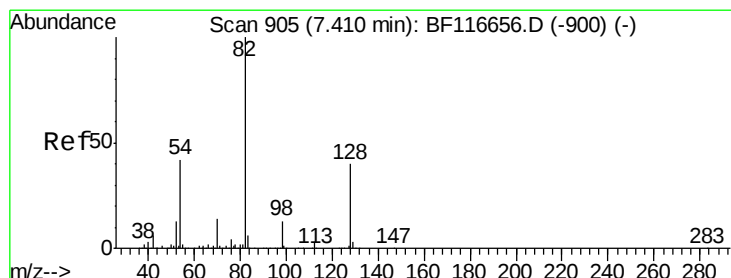
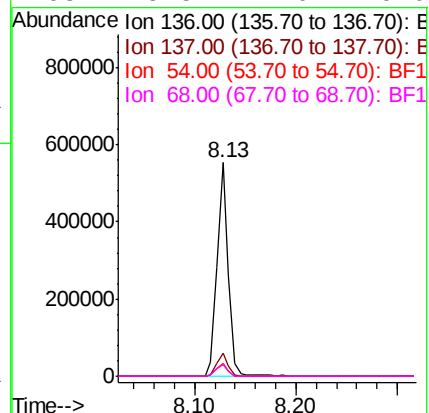
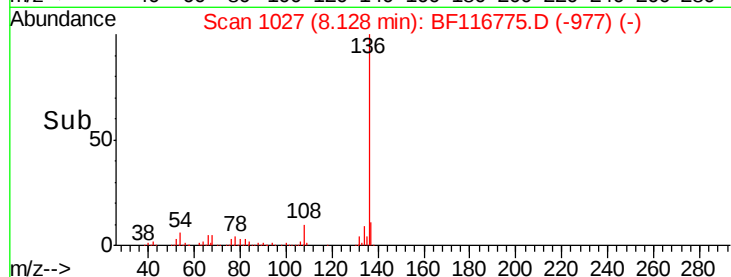
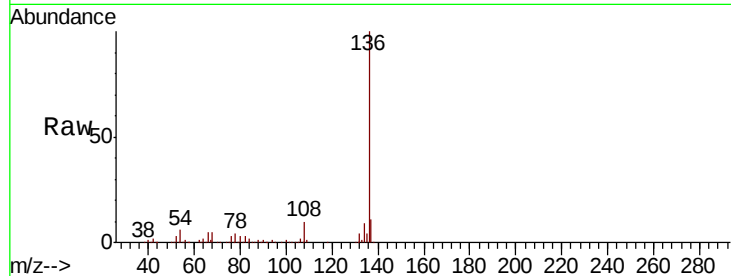
ClientSampleId :

T12-C1-C4-(0-3.5)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		425548		
137	11.1		8.9	13.3	
54	5.9		4.8	7.2	
68	5.5		4.0	6.0	

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#23

Nitrobenzene-d5

Concen: 66.629 ng

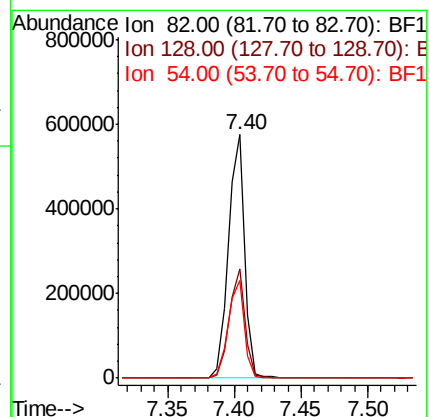
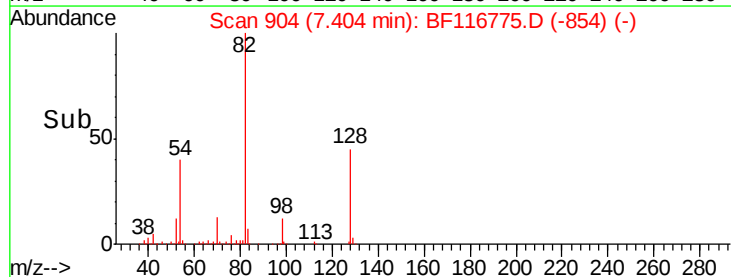
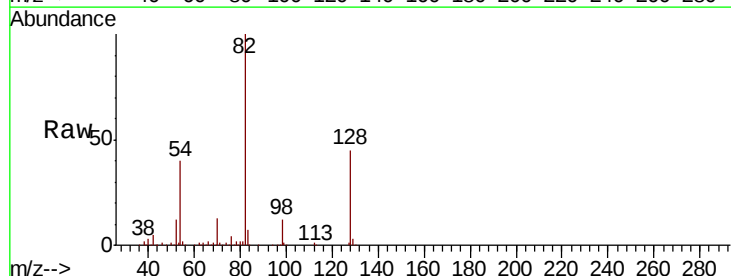
RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116775.D

Acq: 3 Sep 2019 16:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		496671		
128	45.0		32.8	49.2	
54	40.0		36.9	55.3	





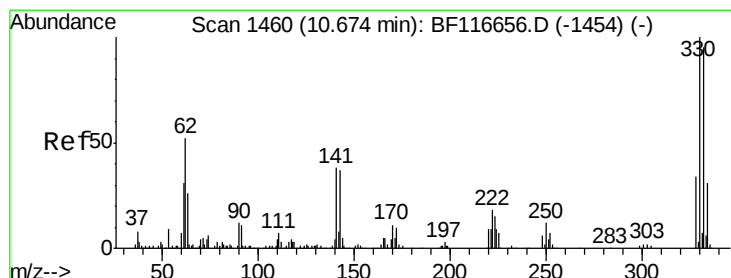
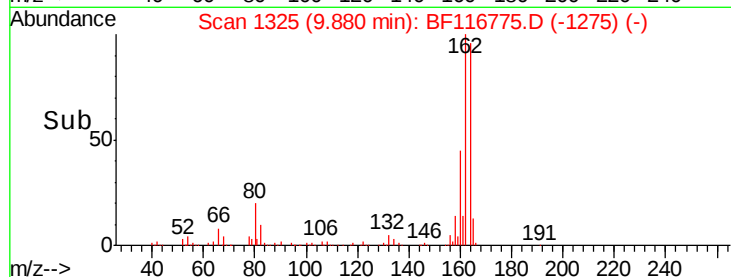
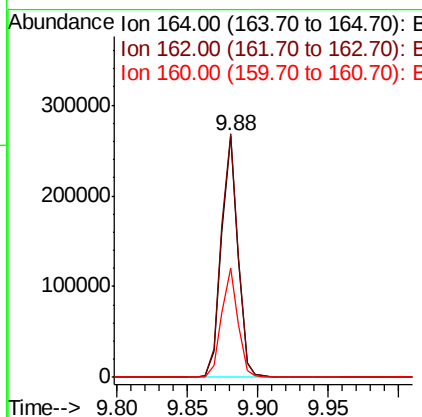
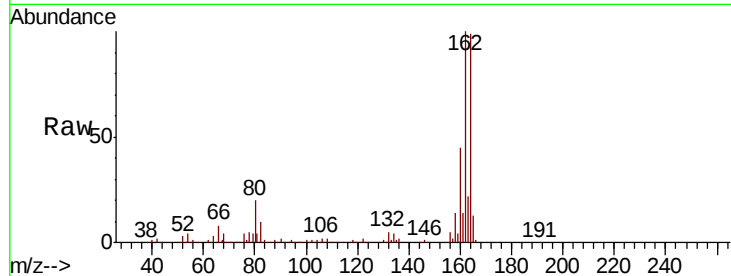
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116775.D
Acq: 3 Sep 2019 16:31

Instrument :
BNA_F
ClientSampleId :
T12-C1-C4-(0-3.5)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	215897		
162	100.9	81.4	122.0	
160	45.4	35.4	53.2	

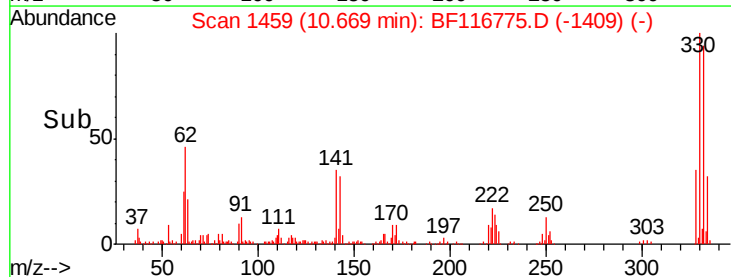
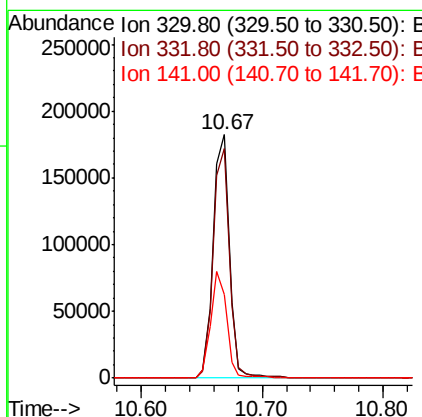
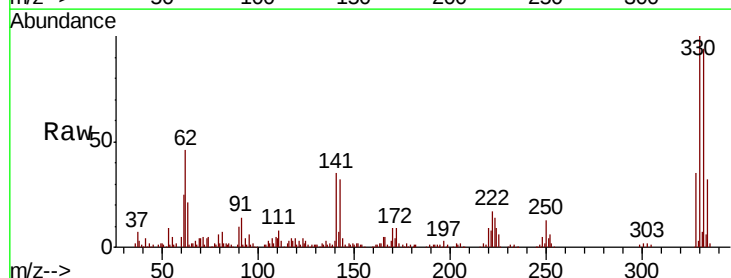
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#42
2,4,6-Tribromophenol
Concen: 117.466 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF116775.D
Acq: 3 Sep 2019 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	169541		
332	94.9	76.9	115.3	
141	43.4	31.4	47.2	





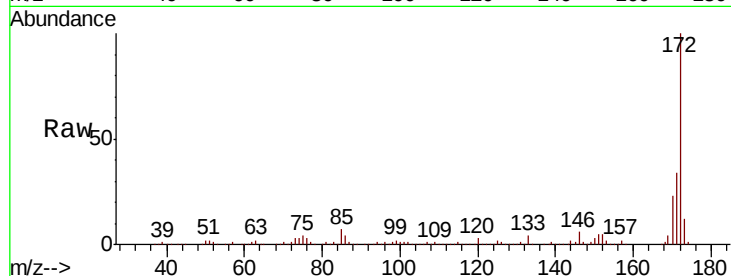
#45
2-Fluorobiphenyl
Concen: 60.563 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF116775.D
Acq: 3 Sep 2019 16:31

Instrument :
BNA_F
ClientSampleId :
T12-C1-C4-(0-3.5)

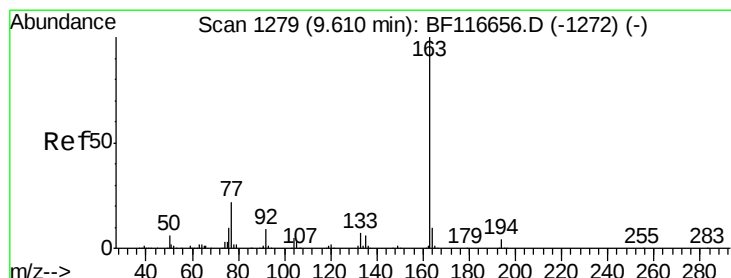
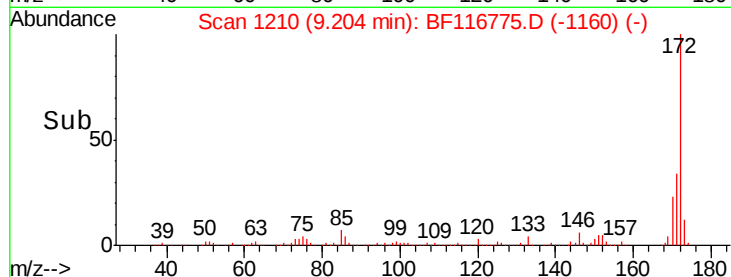
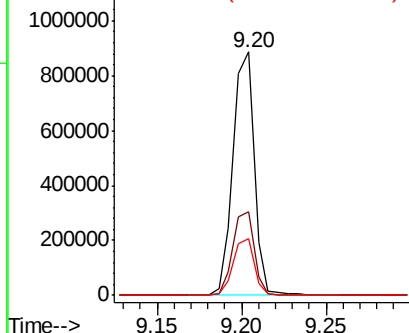
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.8	41.6
170	23.2	18.9	28.3

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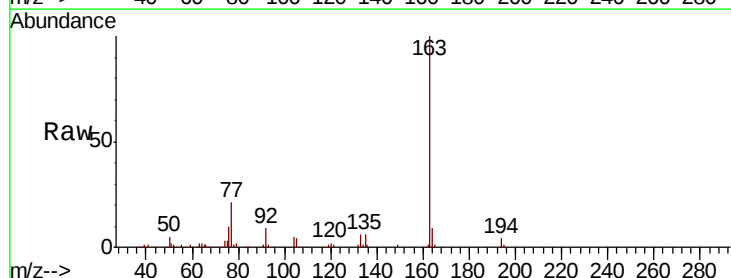


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

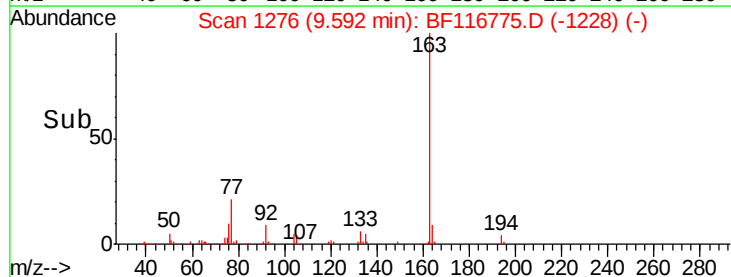
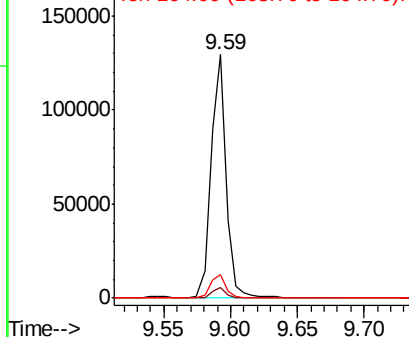


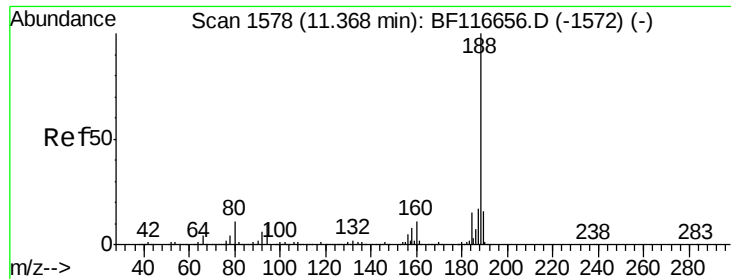
#50
Dimethylphthalate
Concen: 6.902 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116775.D
Acq: 3 Sep 2019 16:31

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.8	4.2
164	9.4	8.6	12.8



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF116775.D

Acq: 3 Sep 2019 16:31

Instrument :

BNA_F

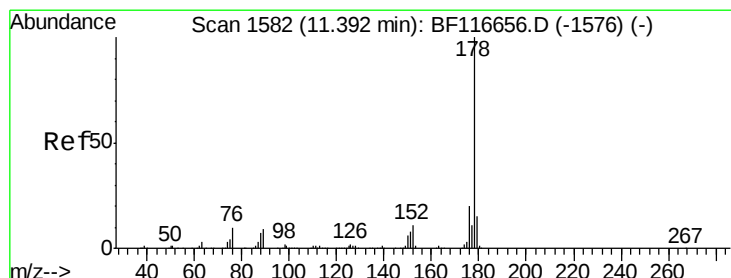
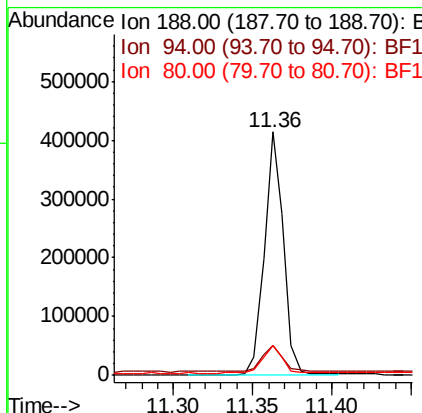
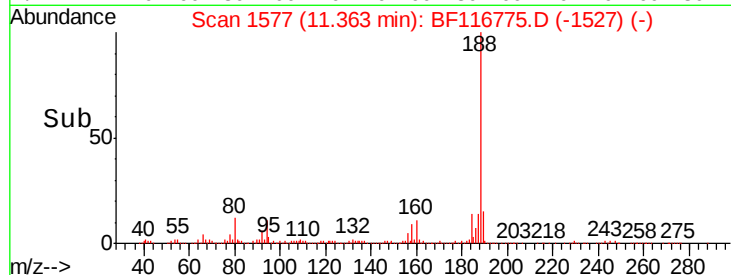
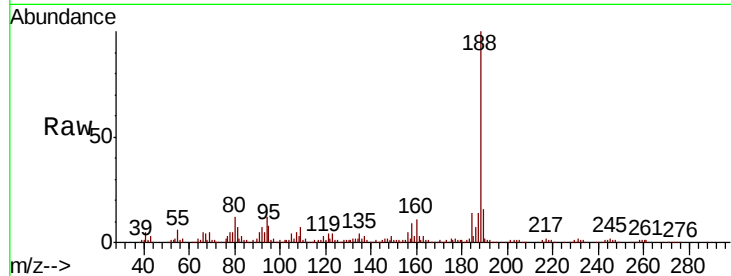
ClientSampleId :

T12-C1-C4-(0-3.5)

Tot Ion:	188	Resp:	346039
Ion Ratio	Lower	Upper	
188	100		
94	12.2	7.3	10.9#
80	12.5	8.4	12.6

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#71

Phenanthrene

Concen: 3.309 ng

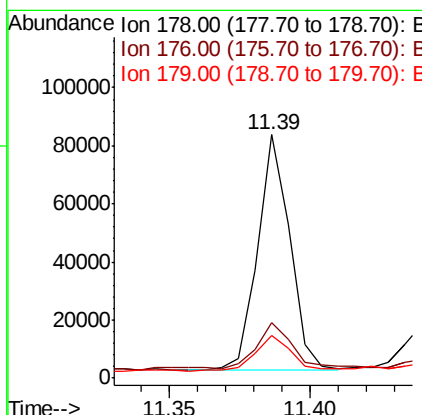
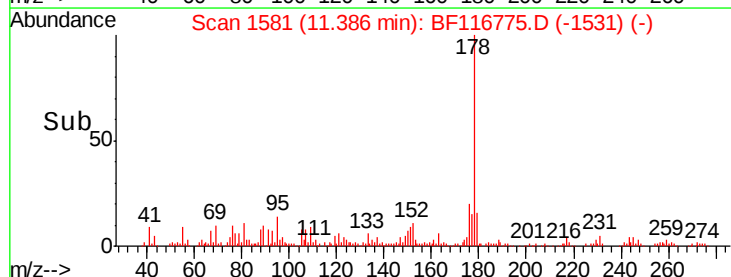
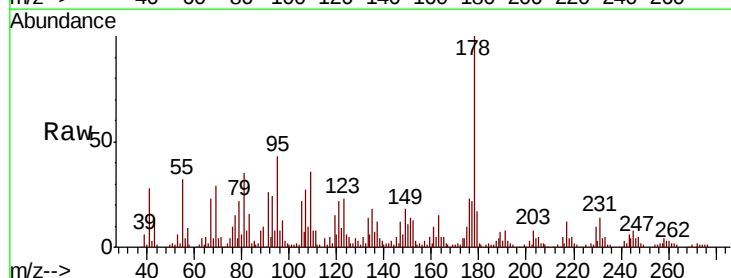
RT: 11.39 min Scan# 1581

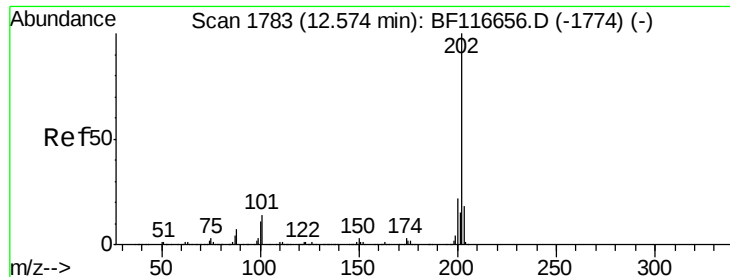
Delta R.T. -0.01 min

Lab File: BF116775.D

Acq: 3 Sep 2019 16:31

Tgt Ion:	178	Resp:	63746
Ion Ratio	Lower	Upper	
178	100		
176	22.7	15.4	23.0
179	17.4	12.2	18.2





#75

Fluoranthene

Concen: 7.940 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF116775.D

Acq: 3 Sep 2019 16:31

Instrument :

BNA_F

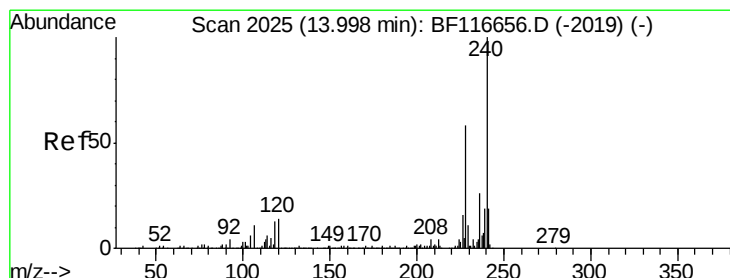
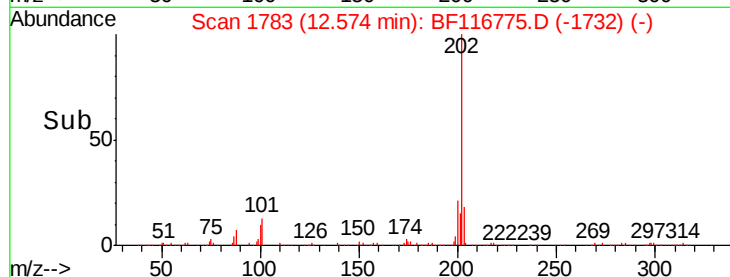
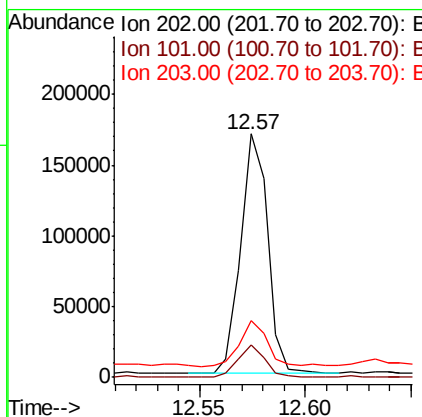
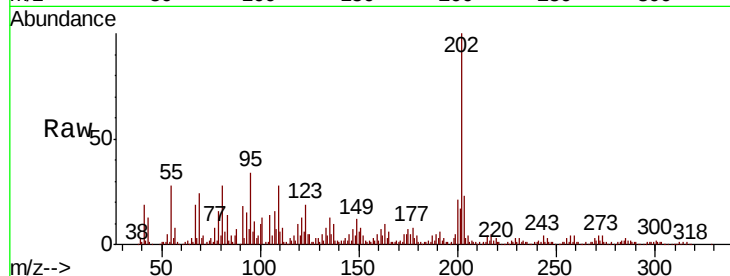
ClientSampleId :

T12-C1-C4-(0-3.5)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	150303		
101	13.2	0.0	31.3	
203	23.0	0.0	37.6	

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#76

Chrysene-d12

Concen: 20.000 ng

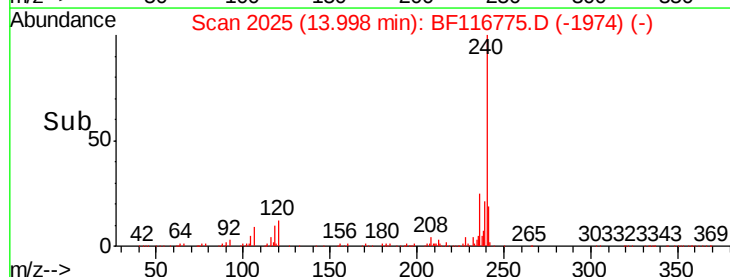
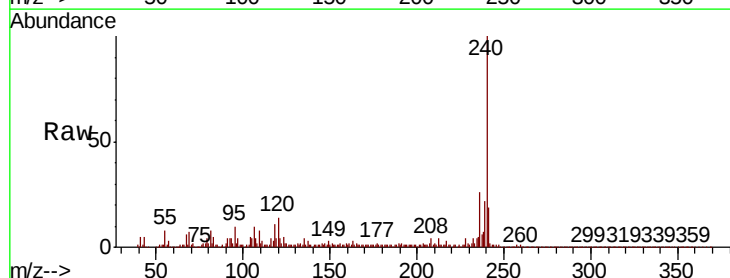
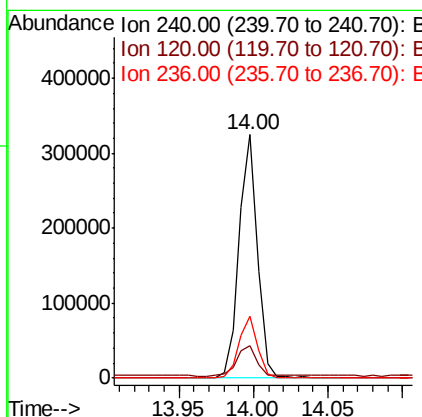
RT: 14.00 min Scan# 2025

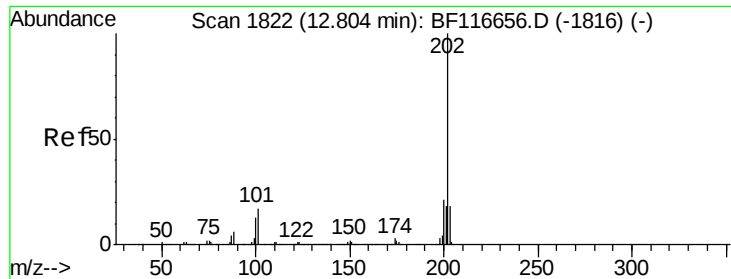
Delta R.T. 0.00 min

Lab File: BF116775.D

Acq: 3 Sep 2019 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	278501		
120	13.5	9.1	13.7	
236	25.6	21.1	31.7	





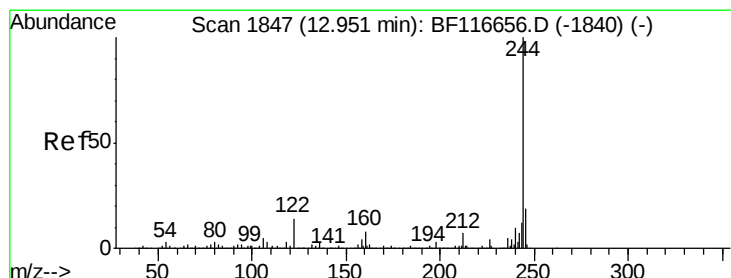
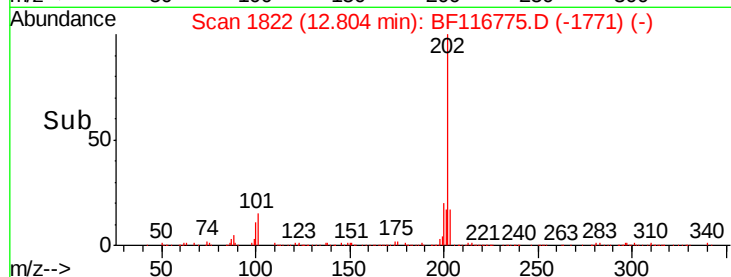
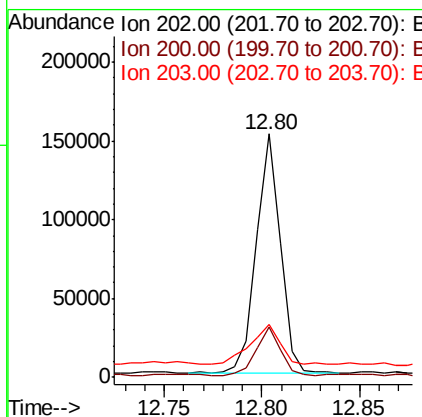
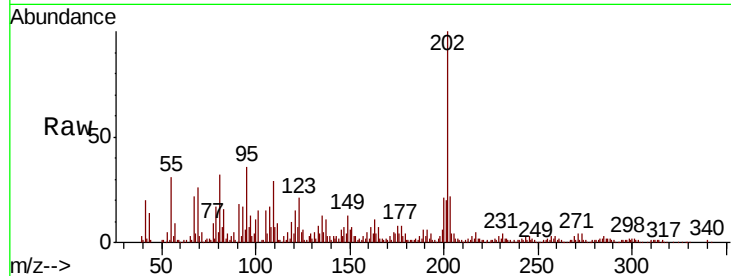
#78
Pvrene
Concen: 5.230 ng
RT: 12.80 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BF116775.D
Acq: 3 Sep 2019 16:31

Instrument :
BNA_F
ClientSampleId :
T12-C1-C4-(0-3.5)

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.8	16.5	24.7	
203	21.9	13.7	20.5	

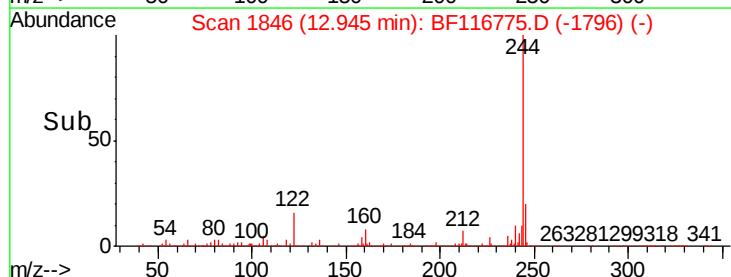
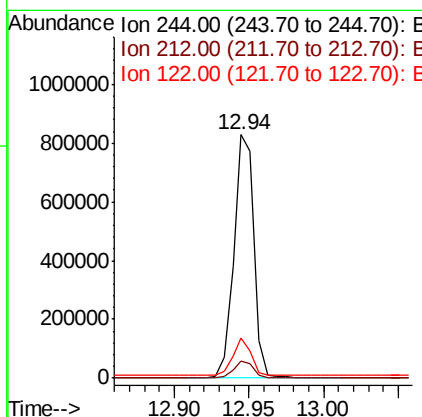
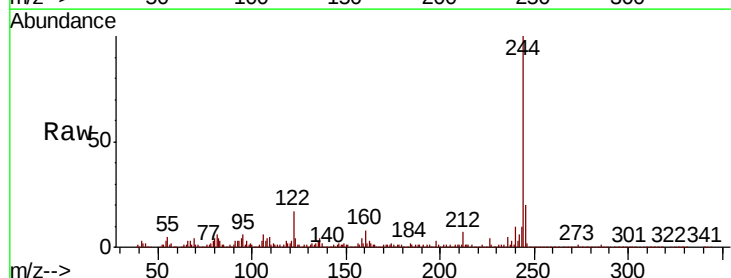
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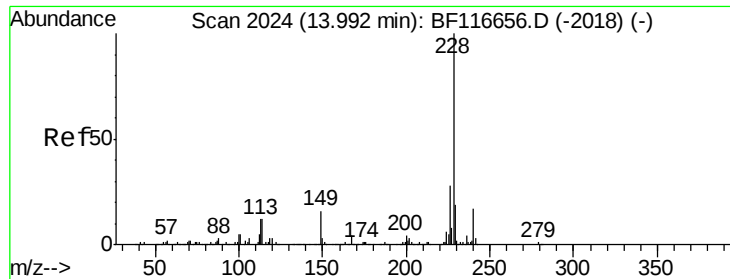
mohammad
9/6/2019 8:18:09 AM



#79
Terphenyl-d14
Concen: 51.305 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116775.D
Acq: 3 Sep 2019 16:31

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.0	6.1	9.1	
122	16.6	10.2	15.4	





#81

Benzo(a)anthracene

Concen: 3.383 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF116775.D

Acq: 3 Sep 2019 16:31

Instrument :

BNA_F

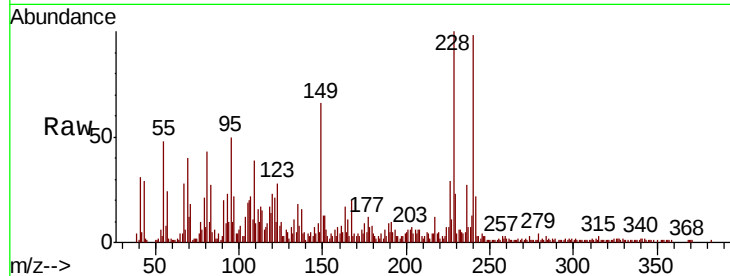
ClientSampleId :

T12-C1-C4-(0-3.5)

Tot Ion:	228	Resp:	59630
Ion Ratio	Lower	Upper	
228	100		
226	28.9	22.0	33.0
229	22.8	16.4	24.6

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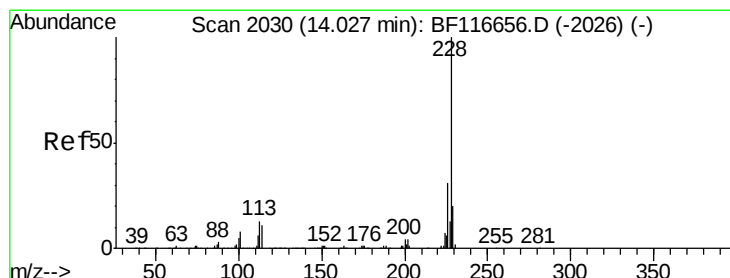
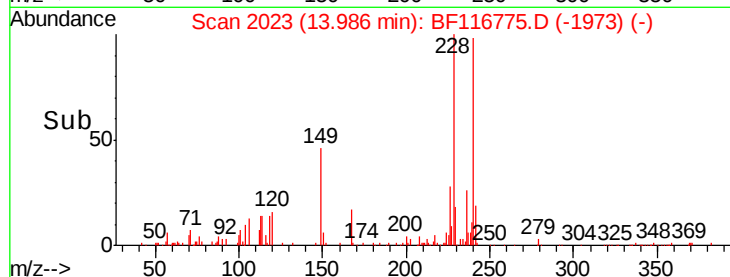
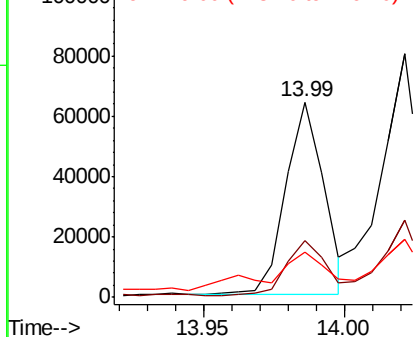


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 4.213 ng m

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF116775.D

Acq: 3 Sep 2019 16:31

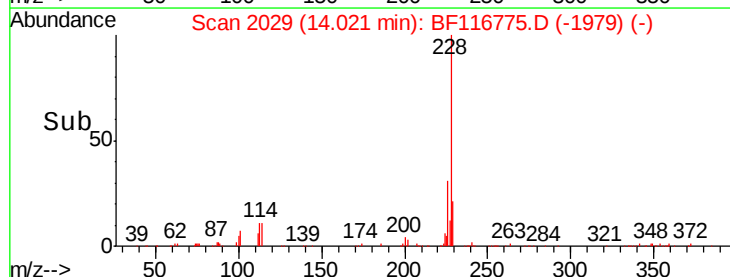
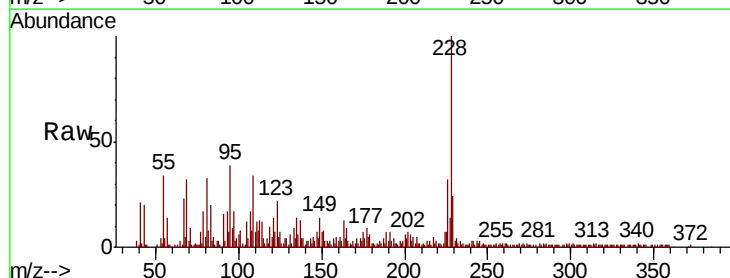
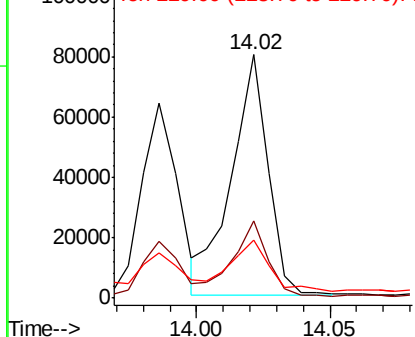
Tgt Ion:	228	Resp:	76508
Ion Ratio	Lower	Upper	
228	100		
226	31.8	24.0	36.0
229	24.0	15.4	23.0#

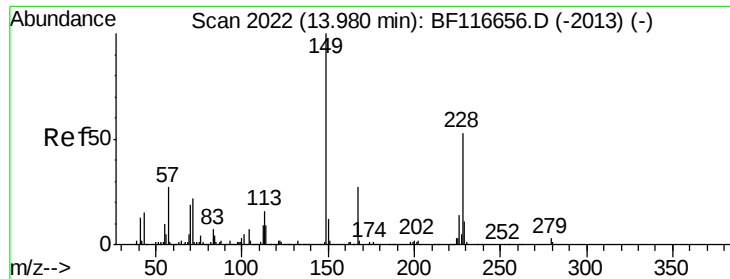
Abundance

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





#84

Bis(2-ethylhexyl)phthalate

Concen: 7.477 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BF116775.D

Acq: 3 Sep 2019 16:31

Instrument :

BNA_F

ClientSampleId :

T12-C1-C4-(0-3.5)

Tot Ion:149 Resp: 111115
Ion Ratio Lower Upper

149 100

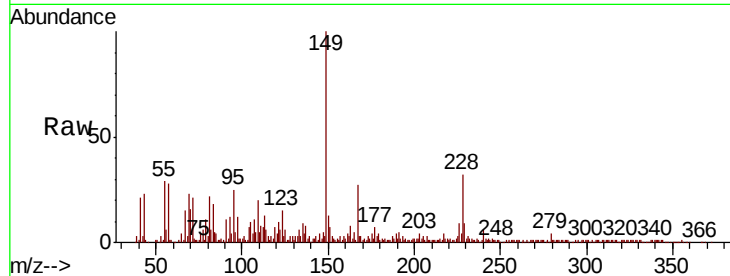
167 26.9 21.0 31.4

279 4.4 2.8 4.2#

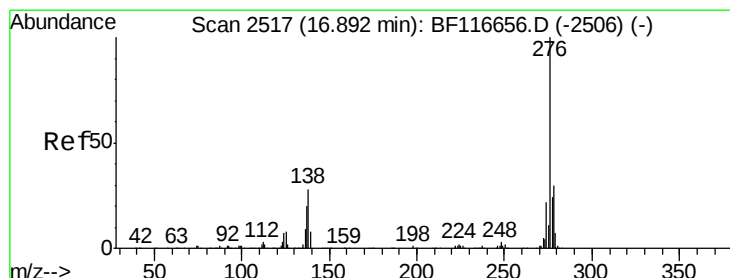
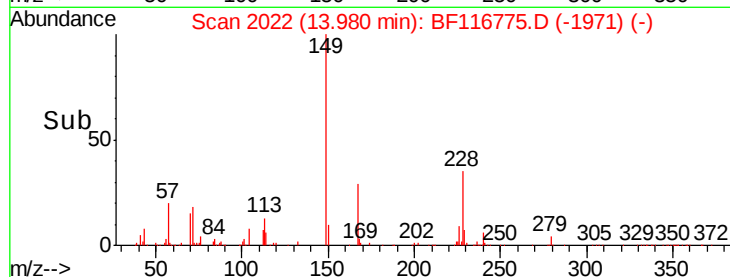
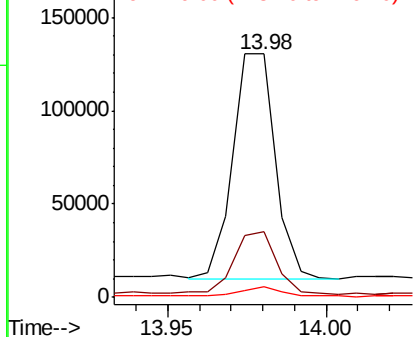
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 3.095 ng

RT: 16.89 min Scan# 2516

Delta R.T. -0.01 min

Lab File: BF116775.D

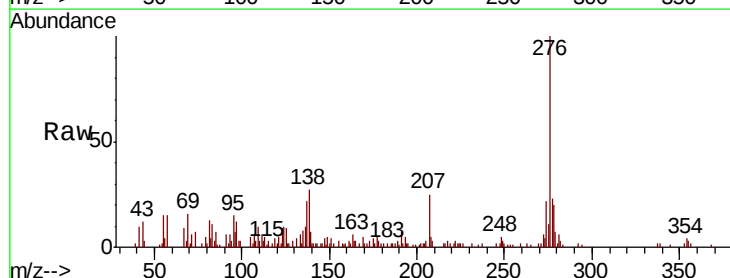
Acq: 3 Sep 2019 16:31

Tgt Ion:276 Resp: 45141
Ion Ratio Lower Upper

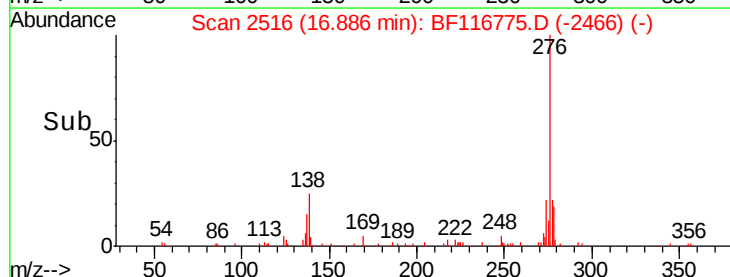
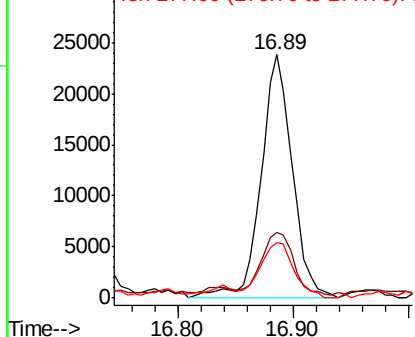
276 100

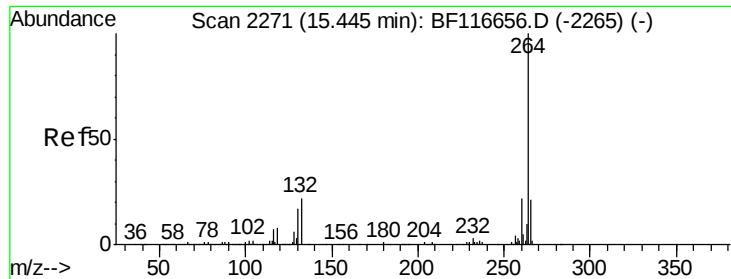
138 26.2 19.4 29.2

277 24.8 20.5 30.7



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





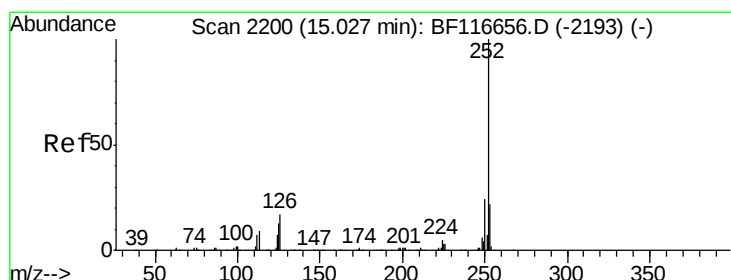
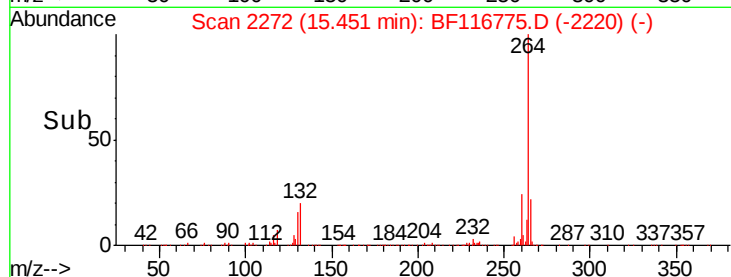
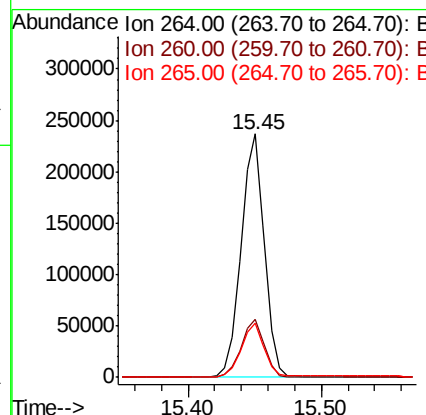
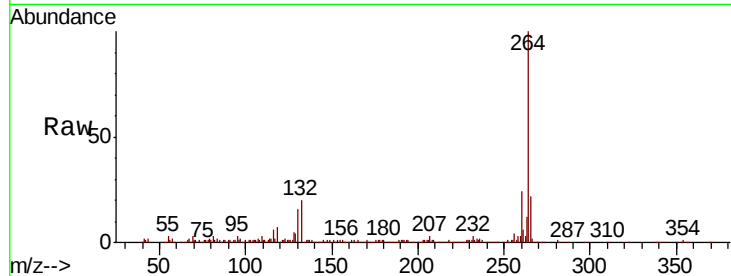
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF116775.D
Acq: 3 Sep 2019 16:31

Instrument :
BNA_F
ClientSampleId :
T12-C1-C4-(0-3.5)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.3	27.5
265	22.2	16.5	24.7

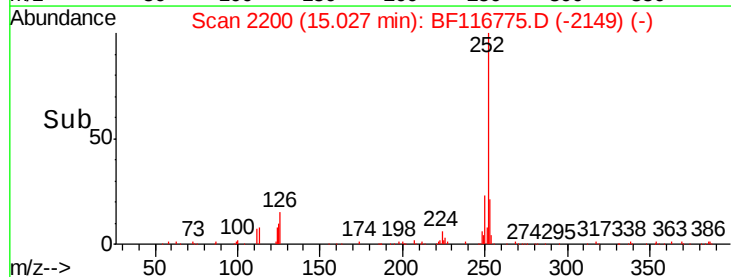
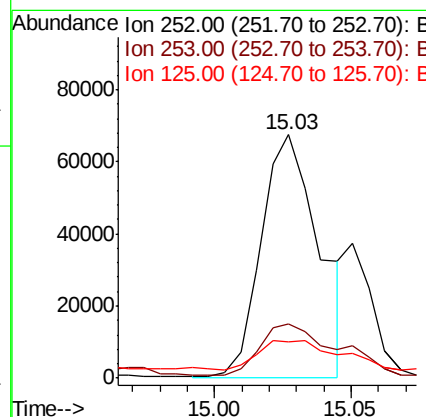
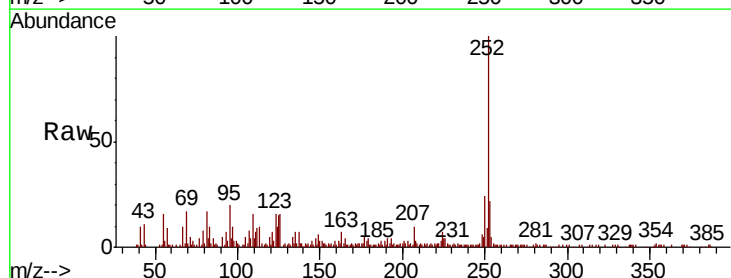
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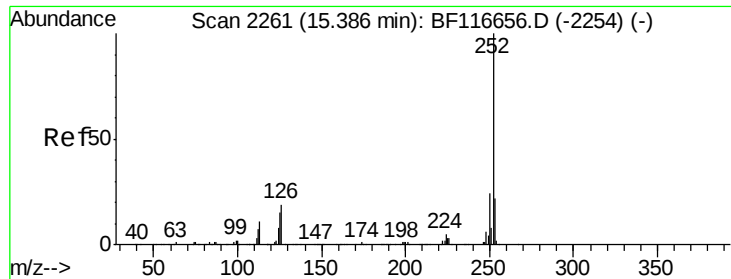
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#88
Benzo(b)fluoranthene
Concen: 5.780 ng m
RT: 15.03 min Scan# 2200
Delta R.T. 0.00 min
Lab File: BF116775.D
Acq: 3 Sep 2019 16:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.7	26.5
125	15.1	8.2	12.2#





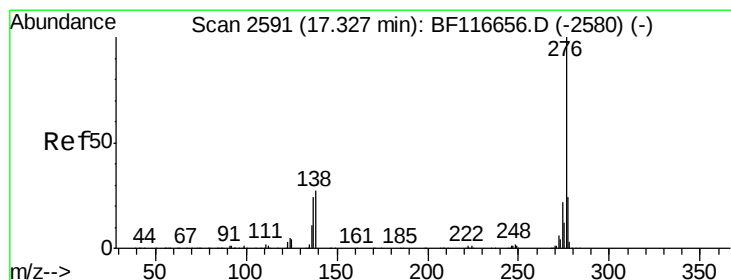
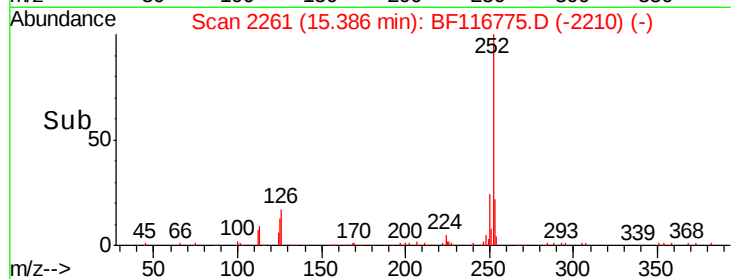
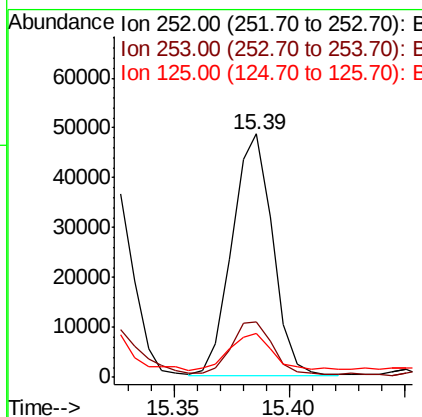
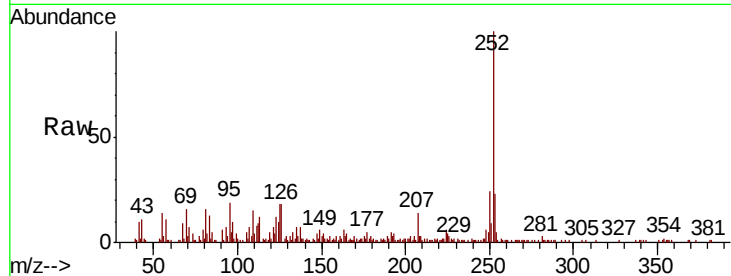
#90
Benzo(a)pyrene
Concen: 3.947 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.00 min
Lab File: BF116775.D
Acq: 3 Sep 2019 16:31

Instrument :
BNA_F
ClientSampleId :
T12-C1-C4-(0-3.5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	17.8	9.8	14.8

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 3.059 ng
RT: 17.32 min Scan# 2590
Delta R.T. -0.01 min
Lab File: BF116775.D
Acq: 3 Sep 2019 16:31

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.9	18.5	27.7
138	26.3	16.2	24.2

