

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
 Data File : BF114505.D
 Acq On : 23 May 2019 1:13
 Operator : JU/SJ
 Sample : K2951-13
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-15-S

Manual Integrations
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Quant Time: May 23 04:37:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 20 04:47:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	5/24/2019 8:49:26 AM
1) 1,4-Dichlorobenzene-d4	6.83	152	191531	20.00	ng	-0.01	
21) Naphthalene-d8	8.11	136	755081	20.00	ng	-0.01	
39) Acenaphthene-d10	9.86	164	372945	20.00	ng	-0.01	
64) Phenanthrene-d10	11.35	188	727959	20.00	ng	0.00	
76) Chrysene-d12	14.00	240	490903	20.00	ng	0.00	
87) Perylene-d12	15.46	264	491076	20.00	ng	0.00	
System Monitoring Compounds							
5) 2-Fluorophenol	5.46	112	916465	77.00	ng	-0.01	
7) Phenol-d6	6.47	99	1213274	86.19	ng	-0.01	
23) Nitrobenzene-d5	7.39	82	730914	54.32	ng	-0.01	
42) 2,4,6-Tribromophenol	10.66	330	302777	78.53	ng	0.00	
45) 2-Fluorobiphenyl	9.19	172	1085866	44.04	ng	0.00	
79) Terphenyl-d14	12.93	244	970355	40.75	ng	0.00	
Target Compounds						Qvalue	
31) Naphthalene	8.13	128	96839	2.746	ng		98
50) Dimethylphthalate	9.58	163	237195	8.664	ng		99
75) Fluoranthene	12.57	202	152241	3.992	ng		99
78) Pyrene	12.80	202	160740	4.070	ng		97
81) Benzo(a)anthracene	13.99	228	130717	4.117	ng		99
83) Chrysene	14.02	228	130429	4.190	ng		99
86) Indeno(1,2,3-cd)pyrene	16.94	276	96744	3.517	ng		95
88) Benzo(b)fluoranthene	15.04	252	256978m	8.168	ng		
89) Benzo(k)fluoranthene	15.06	252	76815m	2.658	ng		
90) Benzo(a)pyrene	15.40	252	82880	2.993	ng	#	94
92) Benzo(g,h,i)perylene	17.39	276	83124	3.605	ng		97

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

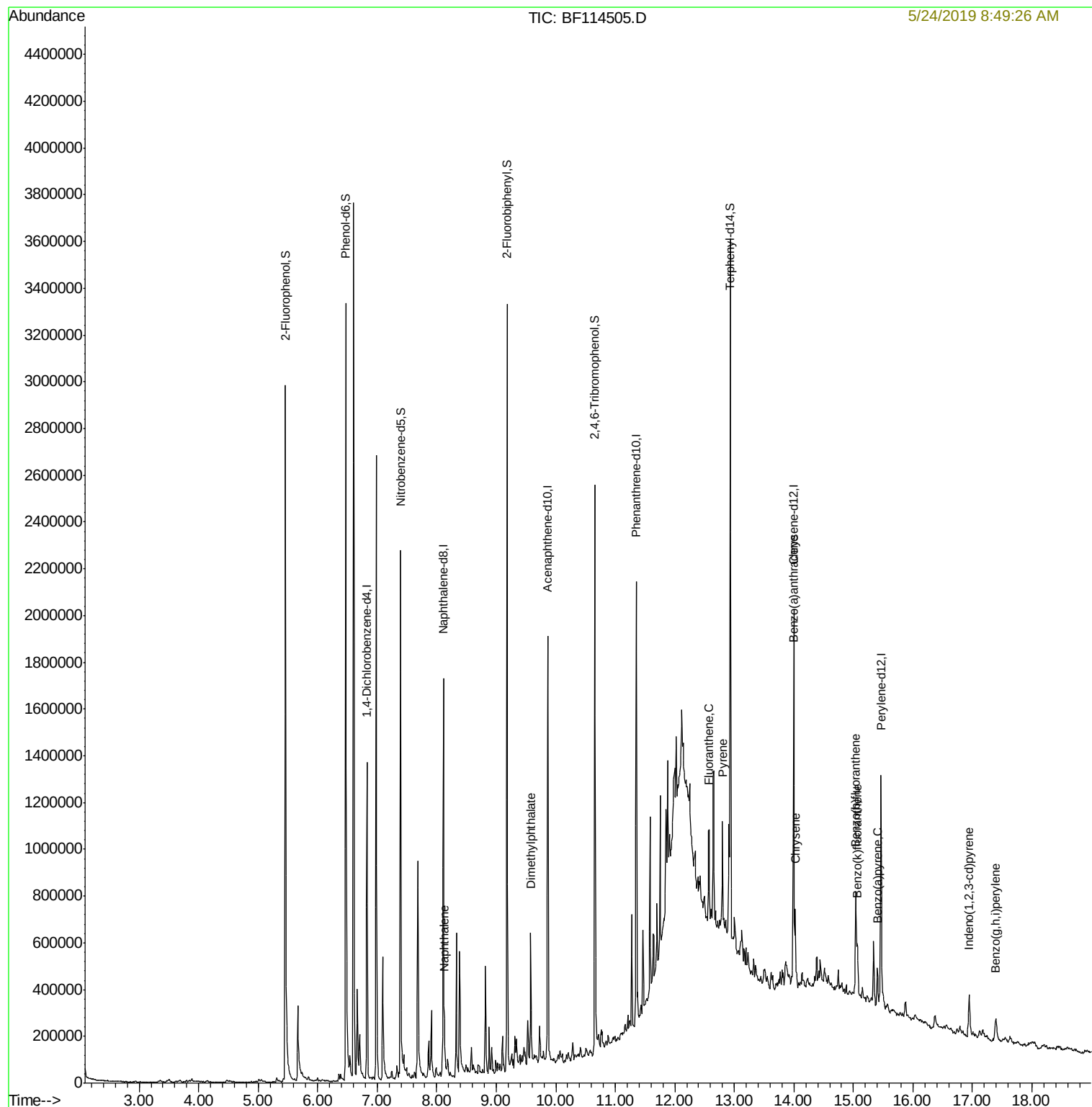
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
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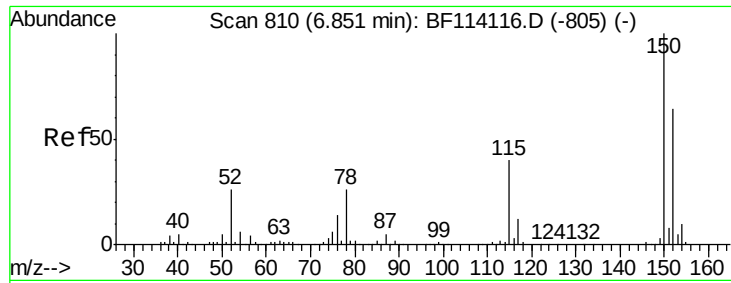
Instrument :
BNA_F
ClientSampleId :
TP-15-S

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Quant Time: May 23 04:37:16 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

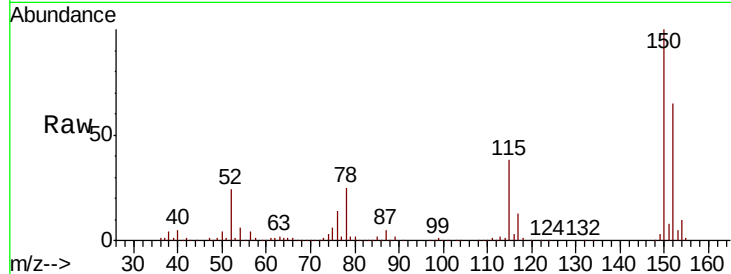
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF114505.D
Acq: 23 May 2019 1:13

Instrument :
BNA_F
ClientSampleId :
TP-15-S

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	124.3	186.5
115	58.4	49.1	73.7

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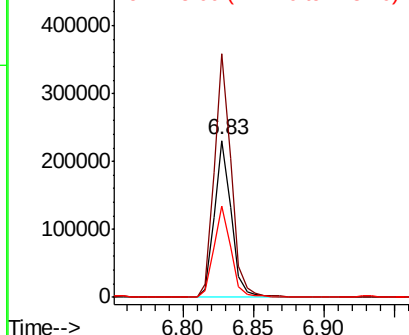


Abundance

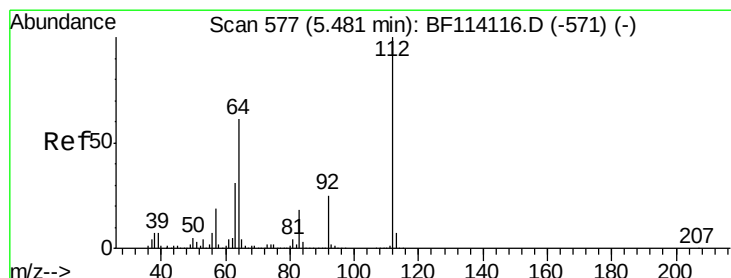
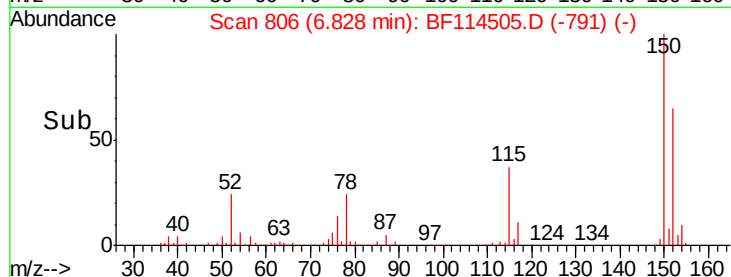
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



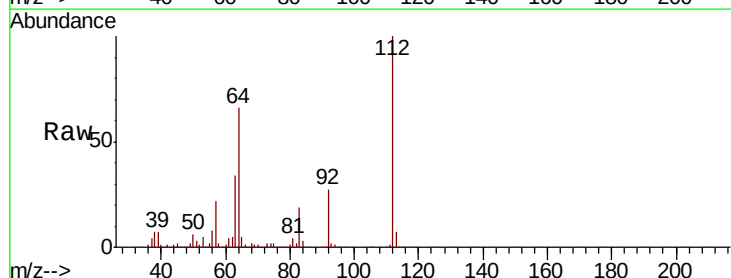
5/24/2019 8:49:26 AM



#5

2-Fluorophenol
Concen: 77.002 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF114505.D
Acq: 23 May 2019 1:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.4	49.0	73.6
63	34.2	24.6	37.0

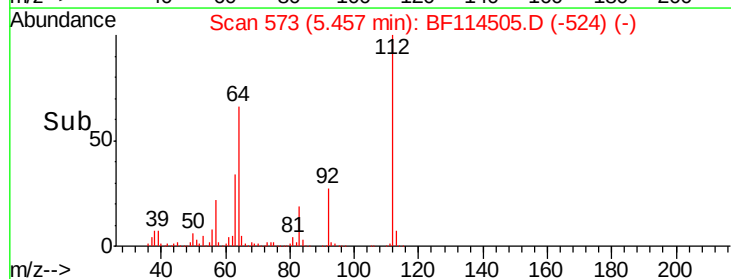
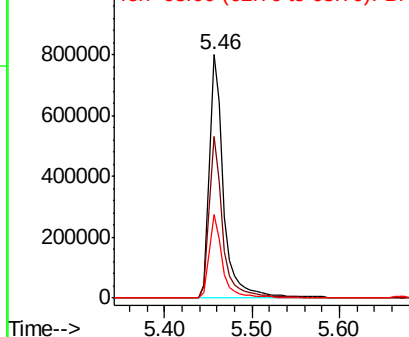


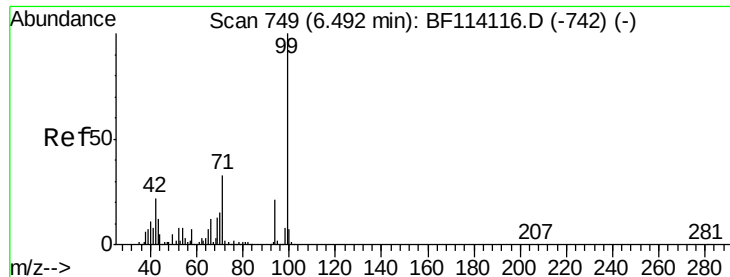
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 86.191 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF114505.D

Acq: 23 May 2019 1:13

Instrument :

BNA_F

ClientSampleId :

TP-15-S

Tot Ion: 99 Resp: 1213274

Ion Ratio Lower Upper

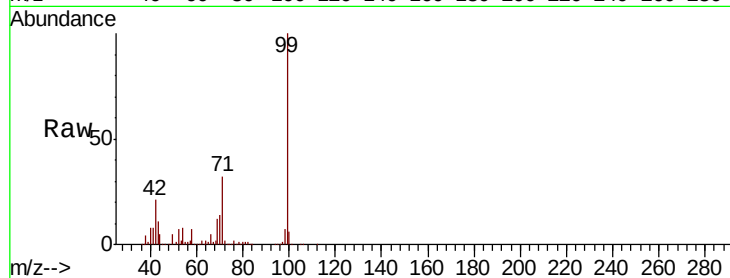
99 100

42 21.4 17.9 26.9

71 32.0 26.2 39.2

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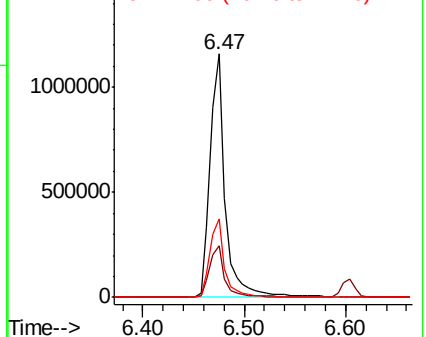


Abundance

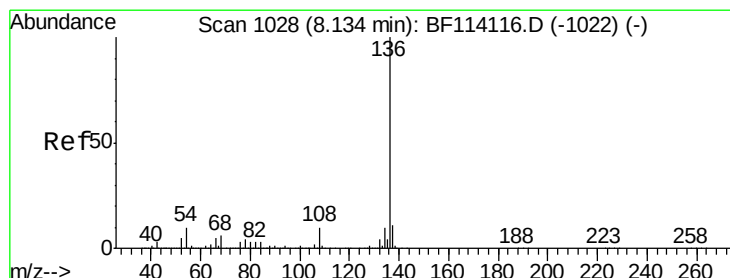
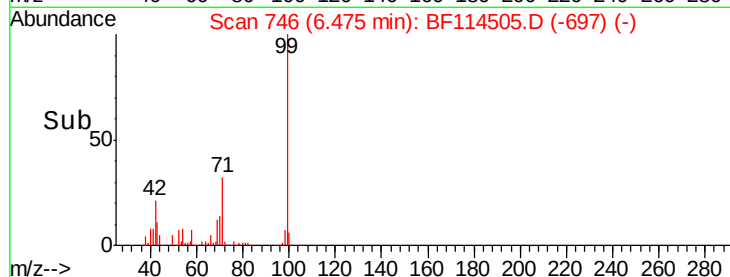
Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.11 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BF114505.D

Acq: 23 May 2019 1:13

Tgt Ion: 136 Resp: 755081

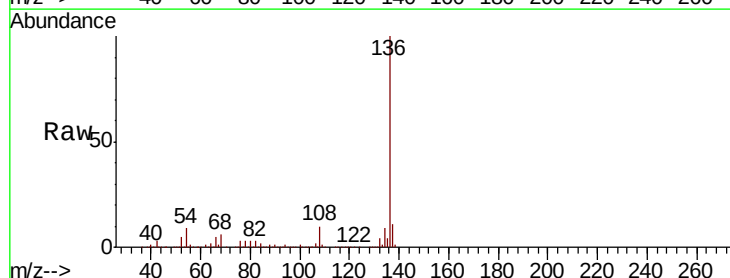
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 9.2 7.8 11.8

68 6.3 5.1 7.7



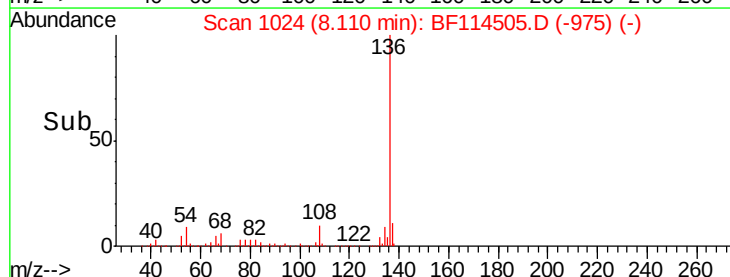
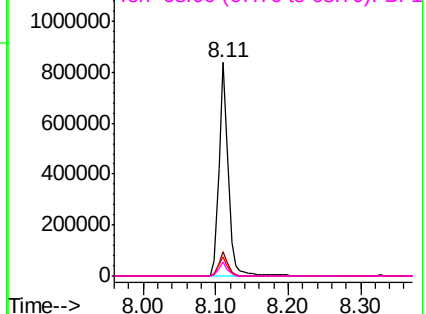
Abundance

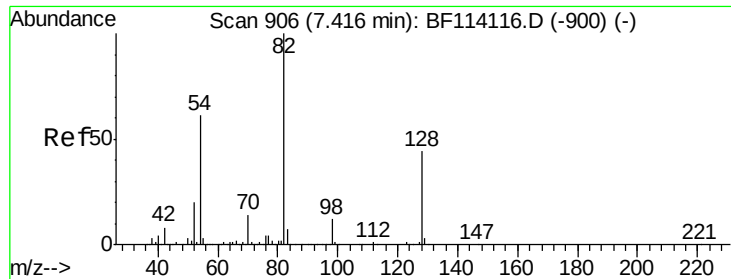
Ion 136.00 (135.70 to 136.70): E

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





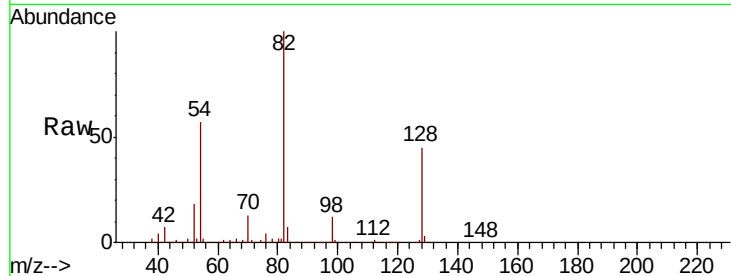
#23
Nitrobenzene-d5
Concen: 54.324 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF114505.D
Acq: 23 May 2019 1:13

Instrument :
BNA_F
ClientSampled :
TP-15-S

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.4	35.5	53.3
54	57.4	48.5	72.7

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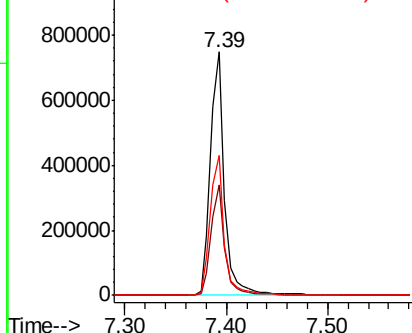


Abundance

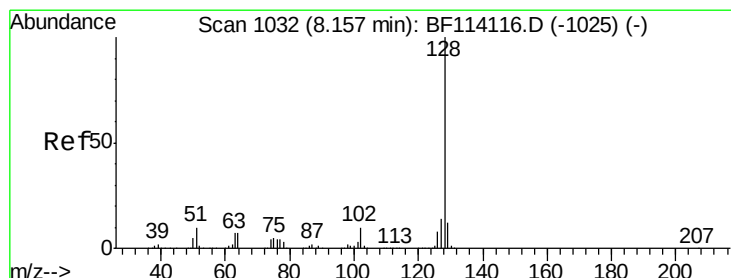
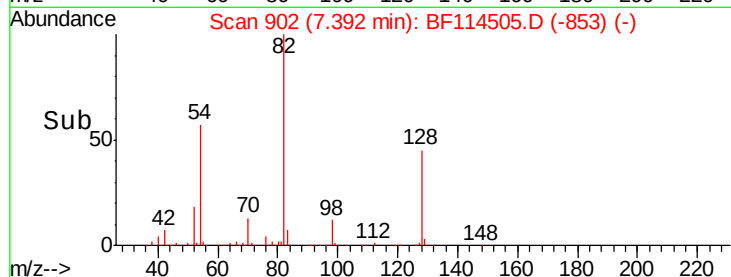
Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

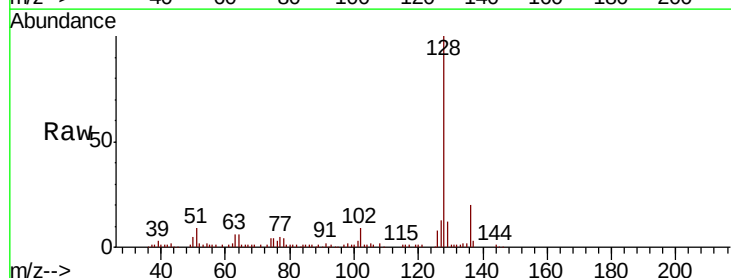


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#31
Naphthalene
Concen: 2.746 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF114505.D
Acq: 23 May 2019 1:13

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.6	14.4
127	12.5	11.3	16.9

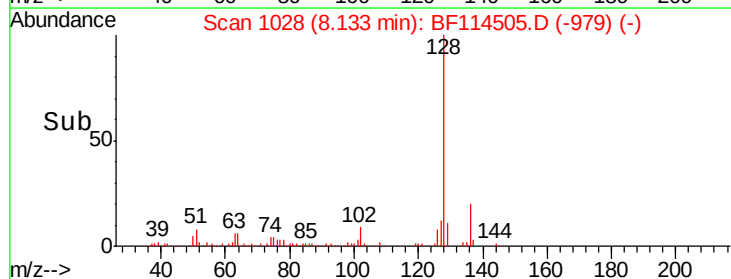
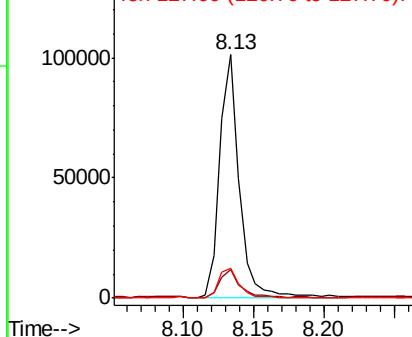


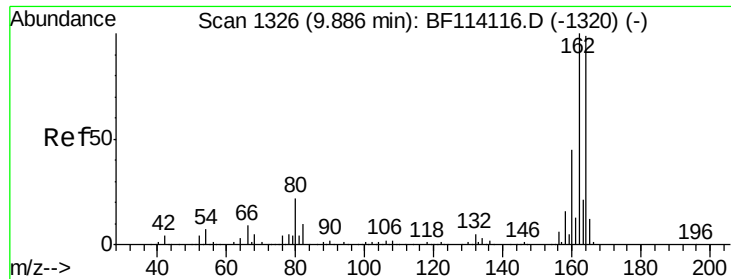
Abundance

Ion 128.00 (127.70 to 128.70): BF1

Ion 129.00 (128.70 to 129.70): BF1

Ion 127.00 (126.70 to 127.70): BF1





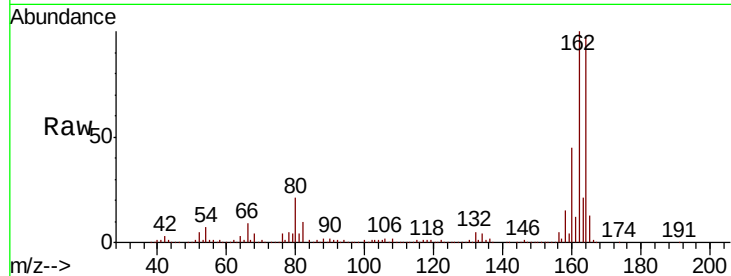
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF114505.D
Acq: 23 May 2019 1:13

Instrument :
BNA_F
ClientSampled :
TP-15-S

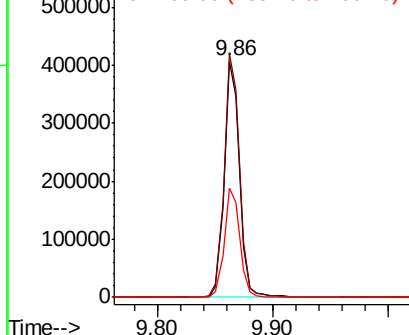
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.1	80.6	120.8	
160	46.4	36.5	54.7	

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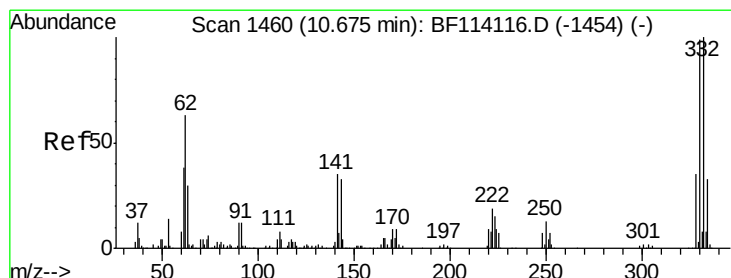
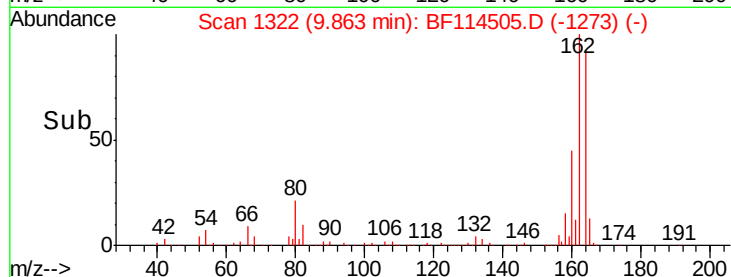
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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

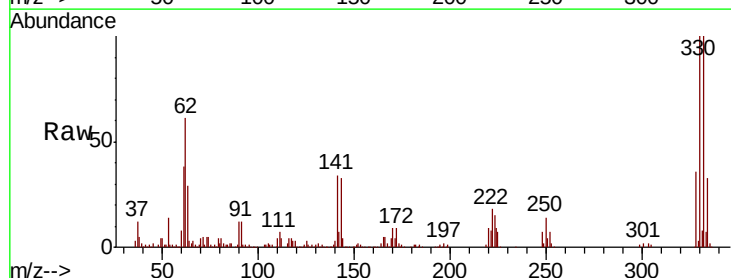


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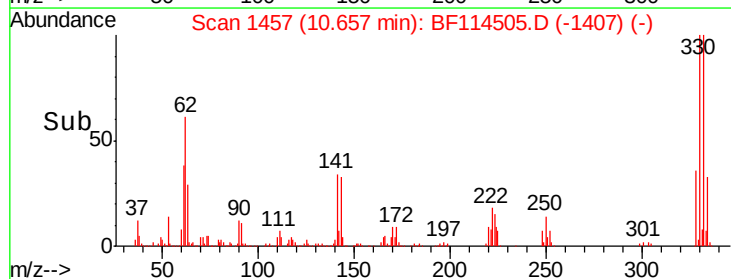
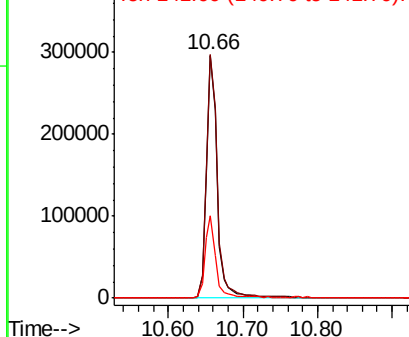


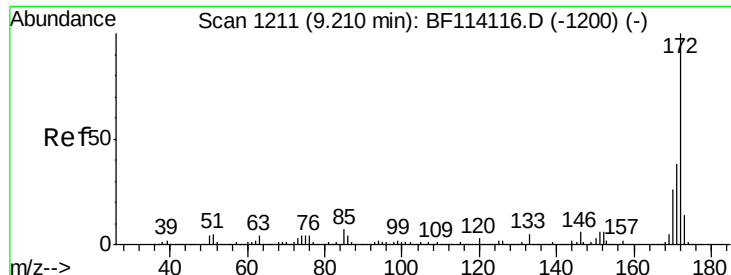
#42
2,4,6-Tribromophenol
Concen: 78.529 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.01 min
Lab File: BF114505.D
Acq: 23 May 2019 1:13

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	101.4	81.4	122.2	
141	32.2	26.6	40.0	



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





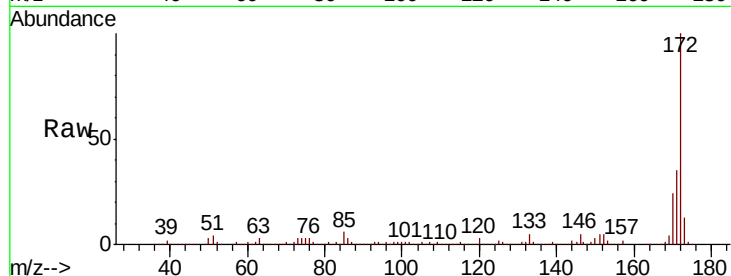
#45
2-Fluorobiphenyl
Concen: 44.043 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.01 min
Lab File: BF114505.D
Acq: 23 May 2019 1:13

Instrument :
BNA_F
ClientSampleId :
TP-15-S

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	30.7	46.1
170	23.6	20.5	30.7

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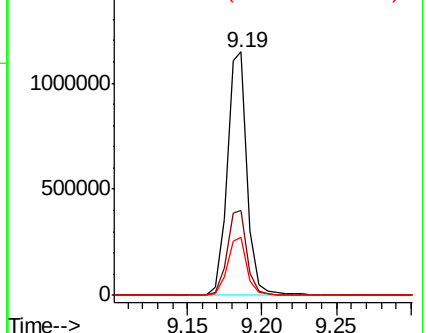


Abundance

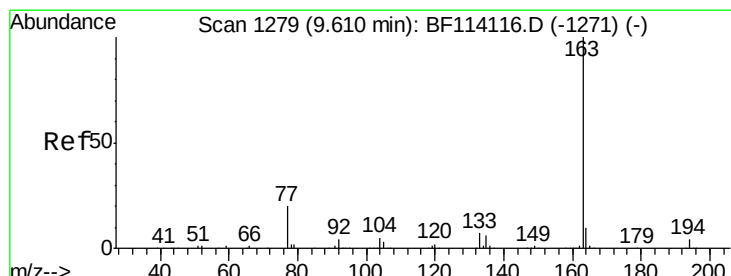
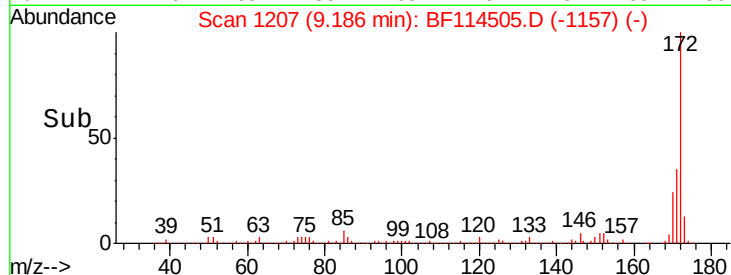
Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

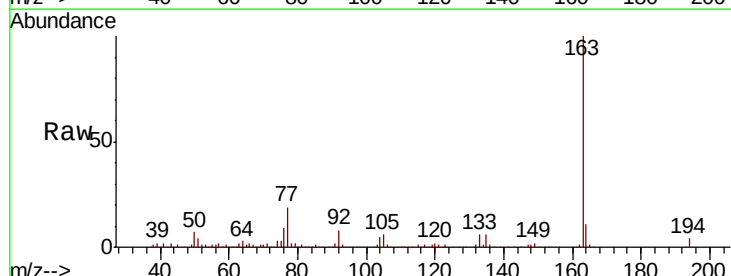


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#50
Dimethylphthalate
Concen: 8.664 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF114505.D
Acq: 23 May 2019 1:13

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.4	5.0
164	10.7	8.2	12.2

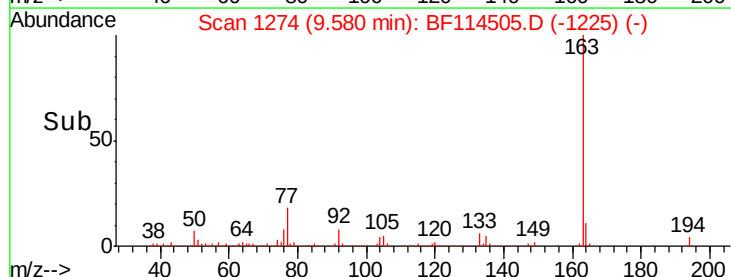
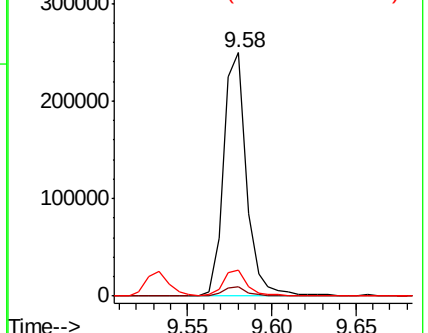


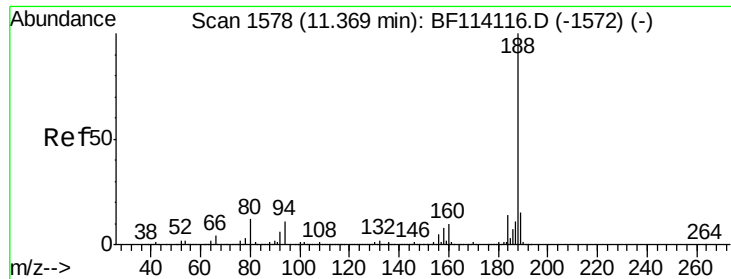
Abundance

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





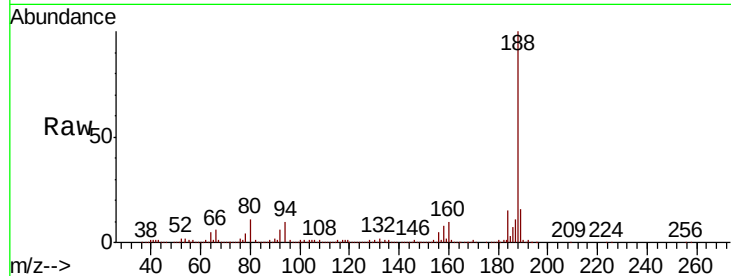
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF114505.D
Acq: 23 May 2019 1:13

Instrument :
BNA_F
ClientSampled :
TP-15-S

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.5	8.4	12.6
80	10.6	9.2	13.8

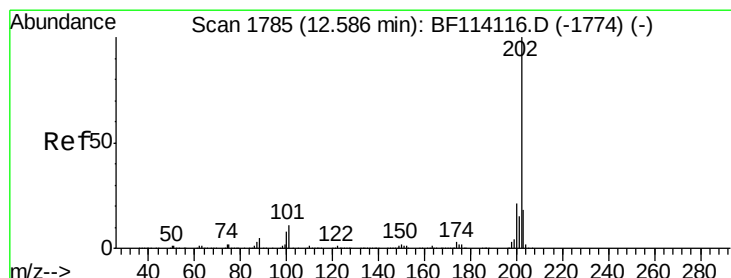
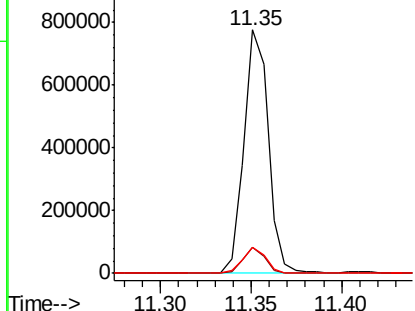
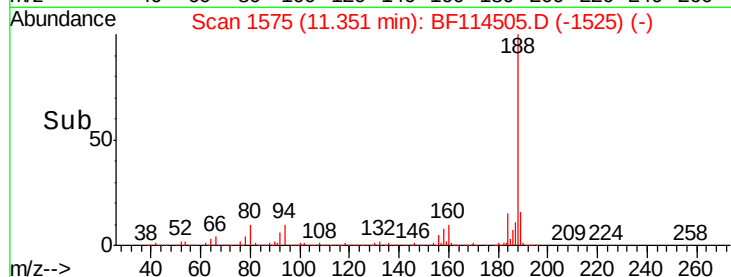
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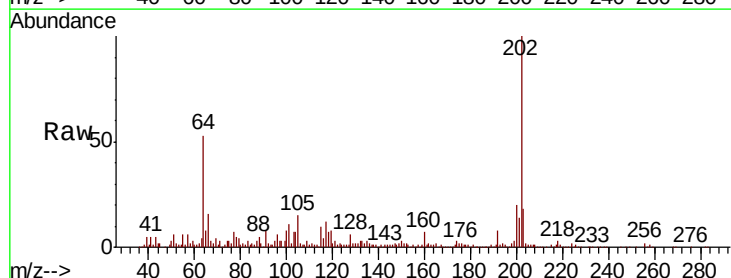
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

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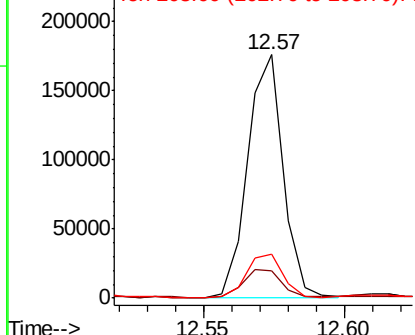
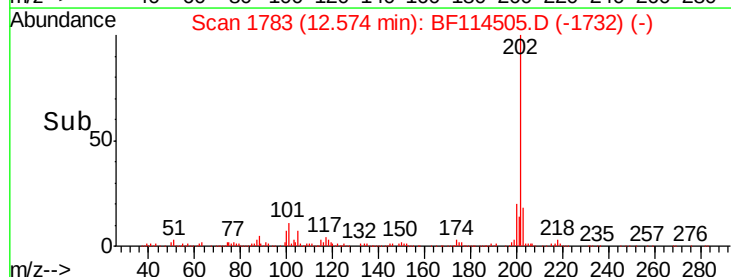


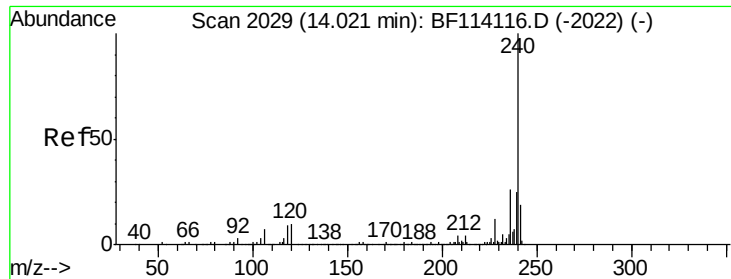
#75
Fluoranthene
Concen: 3.992 ng
RT: 12.57 min Scan# 1783
Delta R.T. 0.00 min
Lab File: BF114505.D
Acq: 23 May 2019 1:13

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	11.5	0.0	31.0
203	18.1	0.0	38.4



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: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF114505.D

Acq: 23 May 2019 1:13

Instrument :

BNA_F

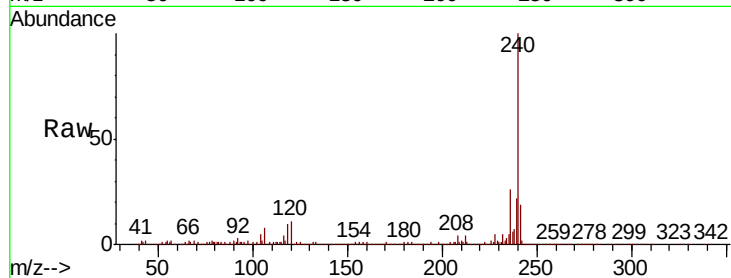
ClientSampleId :

TP-15-S

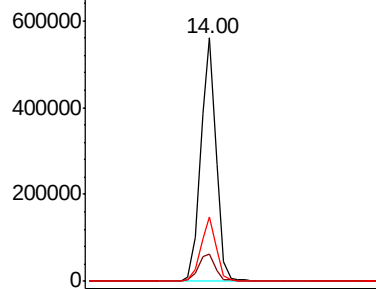
Tot Ion:	240	Resp:	490903
Ion Ratio	Lower	Upper	
240	100		
120	11.3	8.3	12.5
236	26.4	20.8	31.2

Manual Integrations
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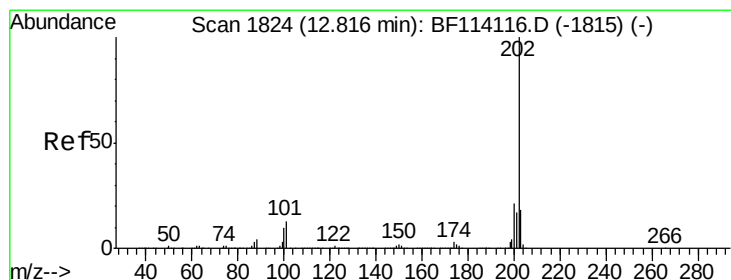
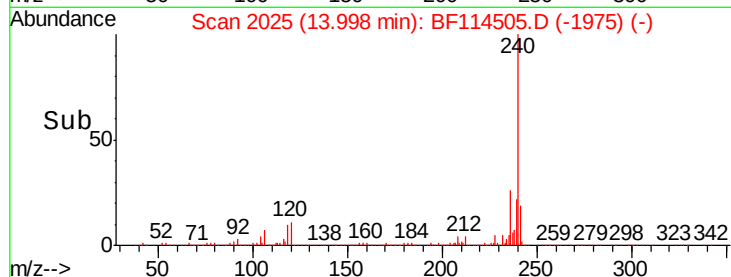
mohammad



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



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#78

Pyrene

Concen: 4.070 ng

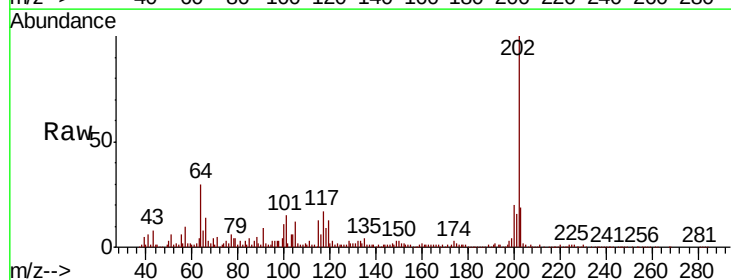
RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

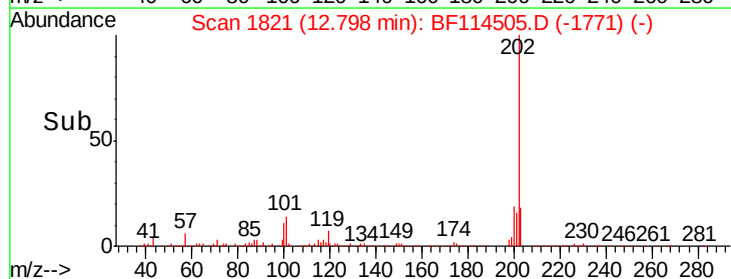
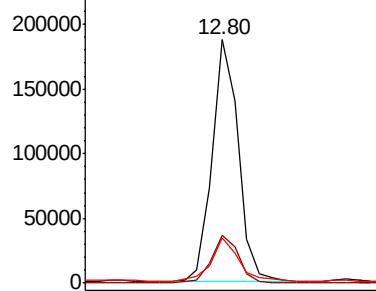
Lab File: BF114505.D

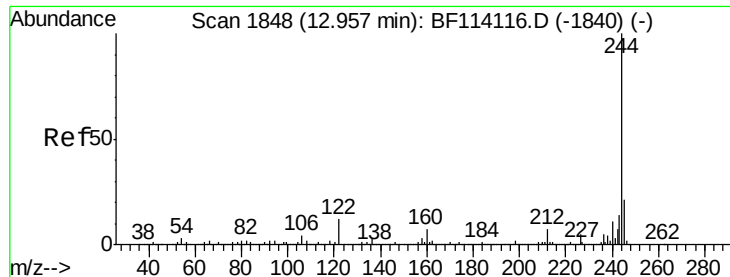
Acq: 23 May 2019 1:13

Tgt Ion:	202	Resp:	160740
Ion Ratio	Lower	Upper	
202	100		
200	19.5	16.9	25.3
203	18.8	14.5	21.7



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





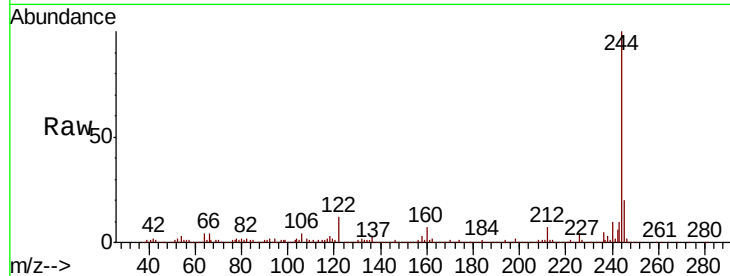
#79
 Terphenyl-d14
 Concen: 40.748 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. -0.01 min
 Lab File: BF114505.D
 Acq: 23 May 2019 1:13

Instrument :
 BNA_F
 ClientSampleId :
 TP-15-S

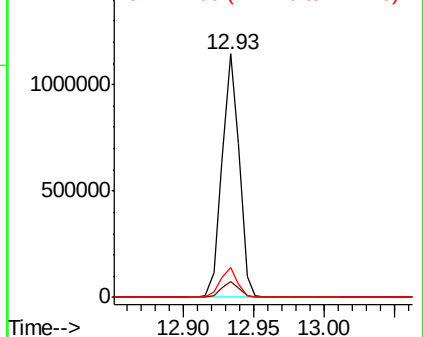
Tot Ion:	244	Resp:	970355
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.8	8.6
122	12.4	9.4	14.2

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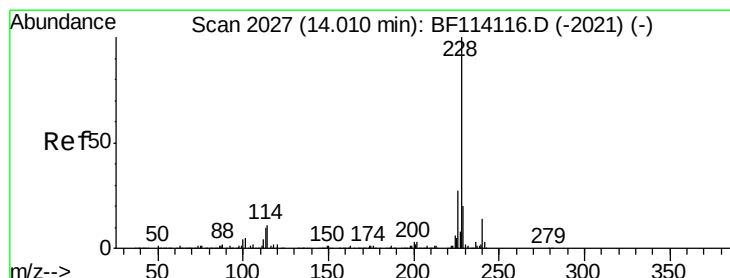
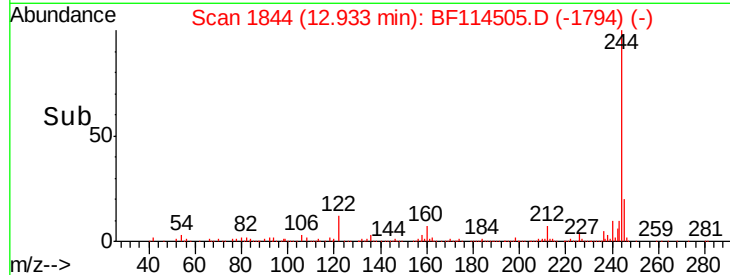
mohammad



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

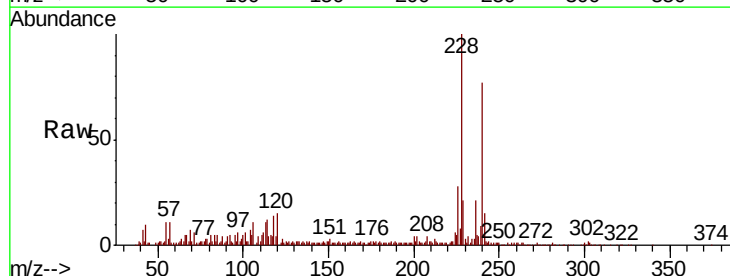


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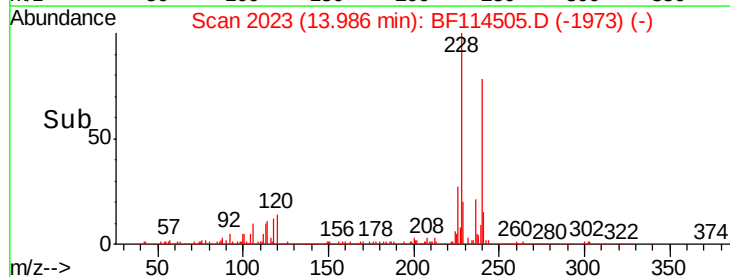
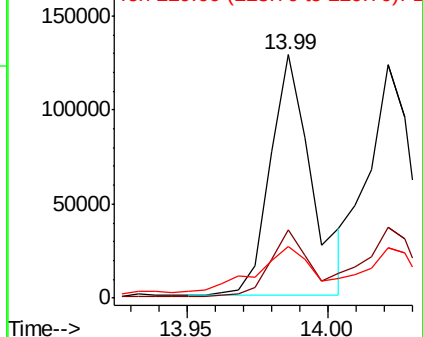


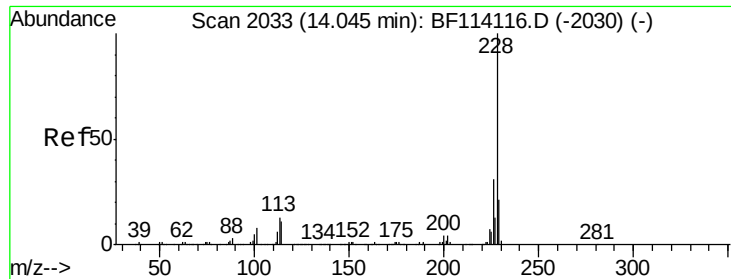
#81
 Benzo(a)anthracene
 Concen: 4.117 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF114505.D
 Acq: 23 May 2019 1:13

Tgt Ion:	228	Resp:	130717
Ion Ratio	Lower	Upper	
228	100		
226	27.9	22.2	33.2
229	21.3	16.4	24.6



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





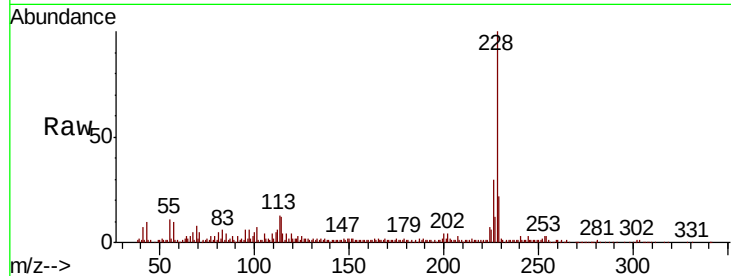
#83
Chrysene
Concen: 4.190 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF114505.D
Acq: 23 May 2019 1:13

Instrument :
BNA_F
ClientSampleId :
TP-15-S

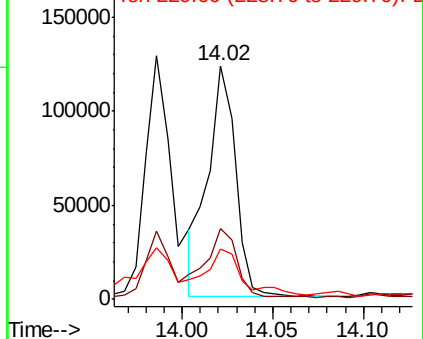
Tot Ion:	228	Resp:	130429
Ion Ratio		Lower	Upper
228	100		
226	30.4	25.0	37.6
229	21.8	17.0	25.6

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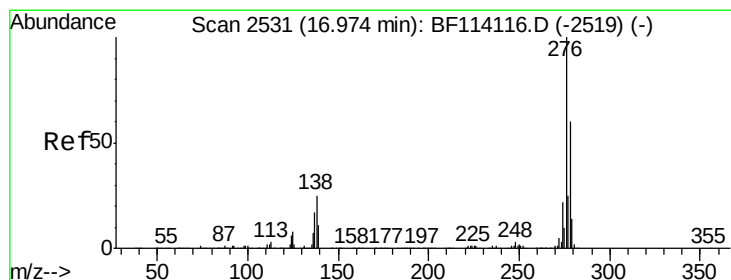
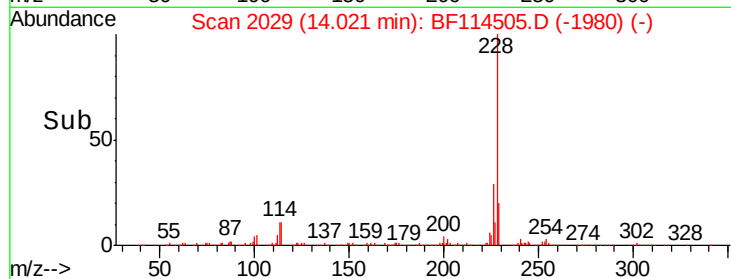
mohammad



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

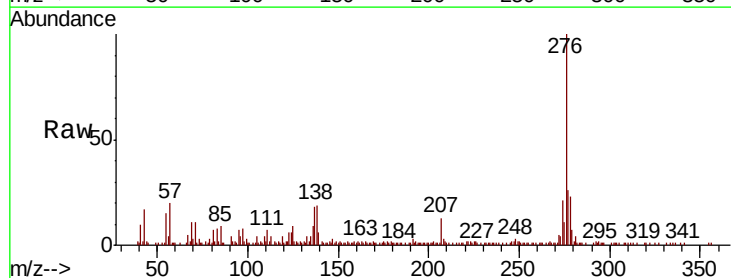


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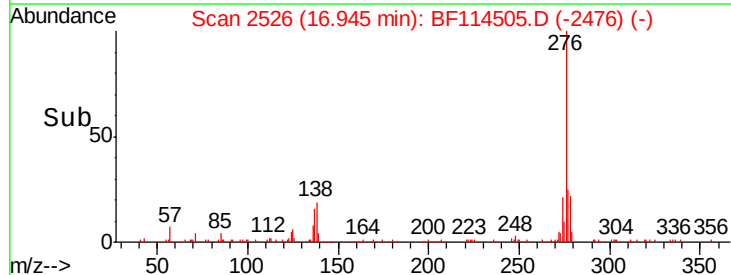
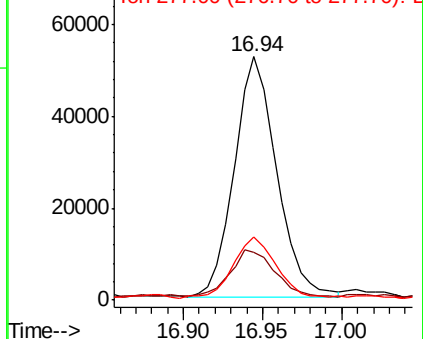


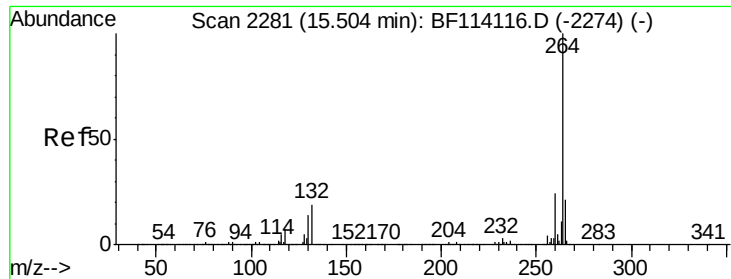
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.517 ng
RT: 16.94 min Scan# 2526
Delta R.T. -0.01 min
Lab File: BF114505.D
Acq: 23 May 2019 1:13

Tgt Ion:	276	Resp:	96744
Ion Ratio		Lower	Upper
276	100		
138	20.7	20.2	30.2
277	25.8	20.0	30.0



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





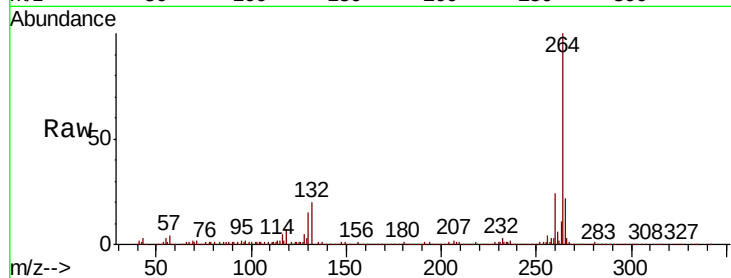
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.00 min
Lab File: BF114505.D
Acq: 23 May 2019 1:13

Instrument :
BNA_F
ClientSampleId :
TP-15-S

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.0
265	22.2	16.9	25.3

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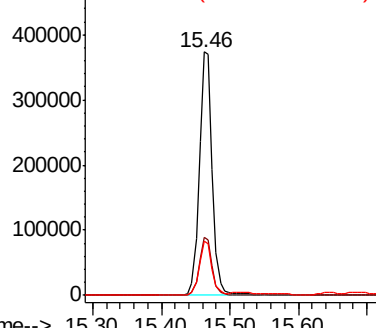


Abundance

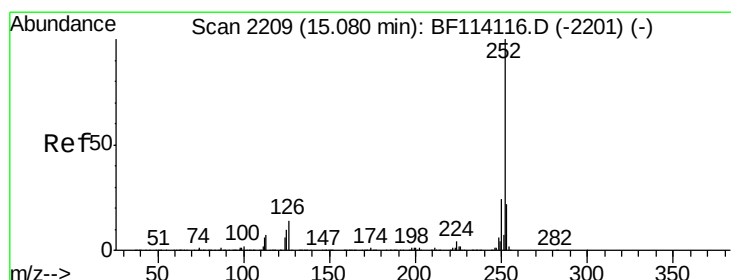
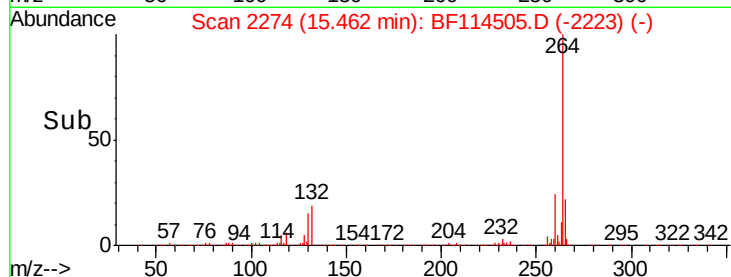
Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



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#88
Benzo(b)fluoranthene
Concen: 8.168 ng m
RT: 15.04 min Scan# 2202
Delta R.T. 0.00 min
Lab File: BF114505.D
Acq: 23 May 2019 1:13

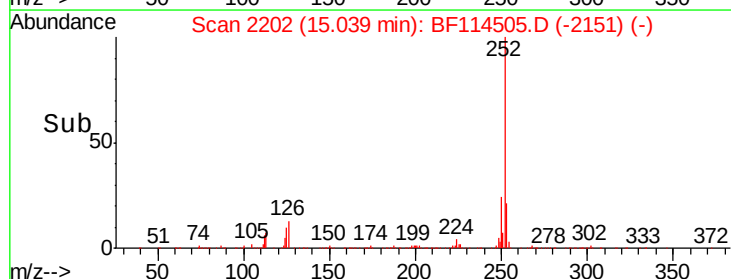
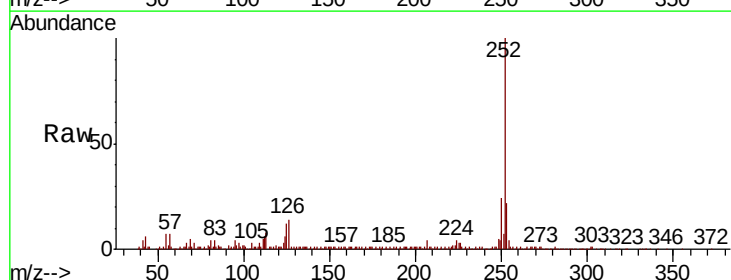
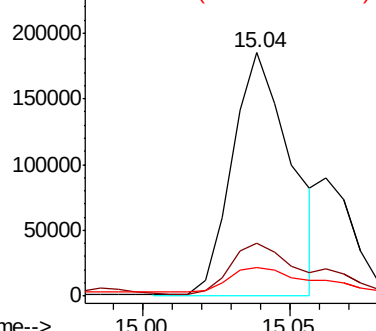
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	11.6	8.3	12.5

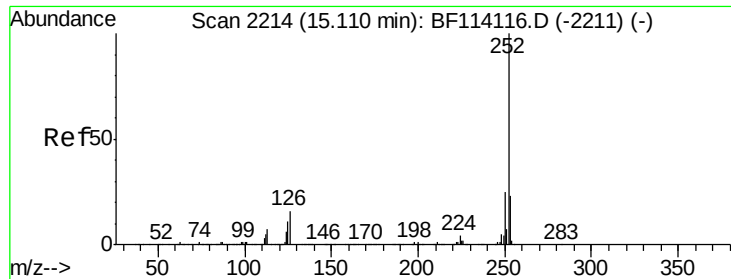
Abundance

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





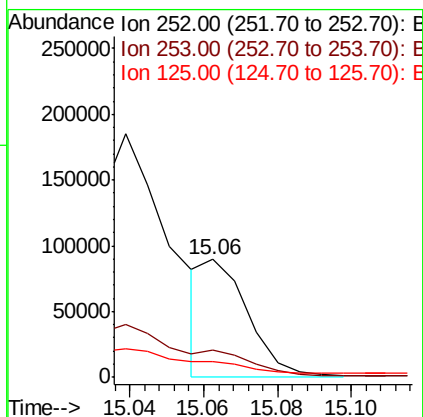
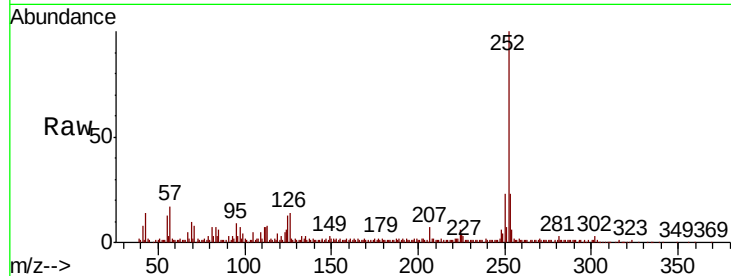
#89
Benzo(k)fluoranthene
Concen: 2.658 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF114505.D
Acq: 23 May 2019 1:13

Instrument :
BNA_F
ClientSampled :
TP-15-S

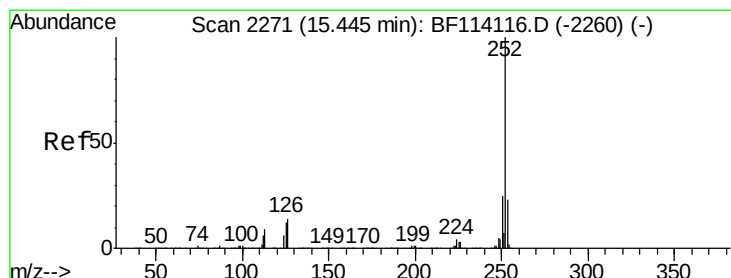
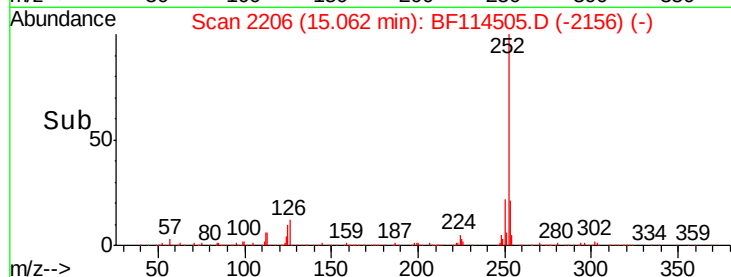
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	13.2	8.6	13.0

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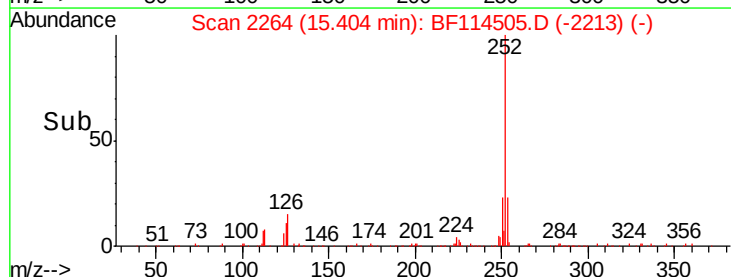
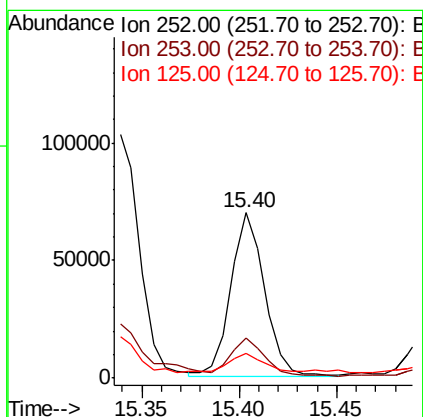
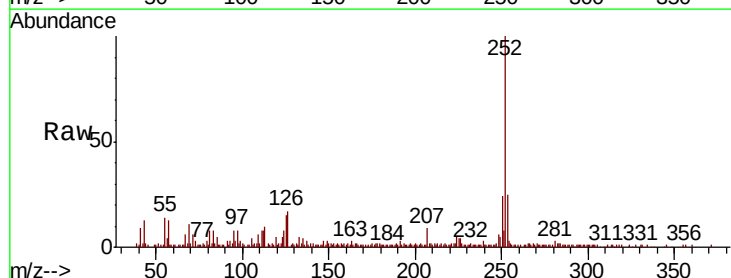


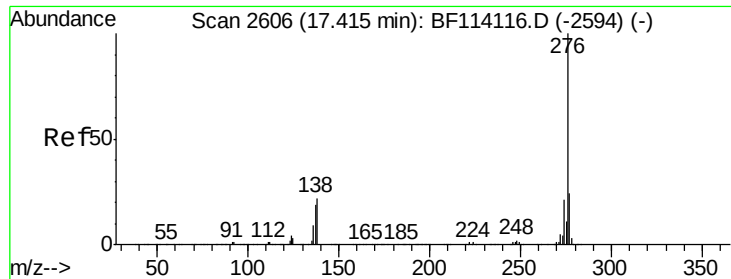
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#90
Benzo(a)pyrene
Concen: 2.993 ng
RT: 15.40 min Scan# 2264
Delta R.T. 0.00 min
Lab File: BF114505.D
Acq: 23 May 2019 1:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.1	27.1
125	15.0	9.5	14.3





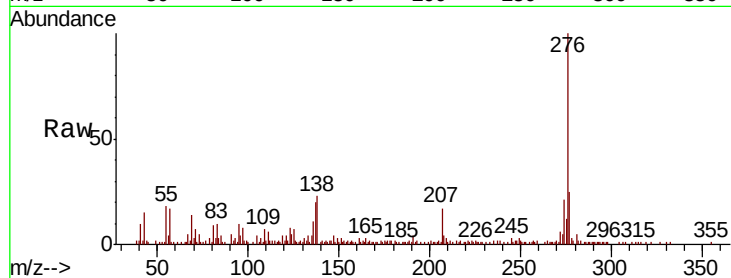
#92
 Benzo(a,h,i)perylene
 Concen: 3.605 ng
 RT: 17.39 min Scan# 2602
 Delta R.T. 0.01 min
 Lab File: BF114505.D
 Acq: 23 May 2019 1:13

Instrument :
 BNA_F
 ClientSampleId :
 TP-15-S

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	25.2	19.0	28.4	
138	23.4	17.8	26.6	

Manual Integrations
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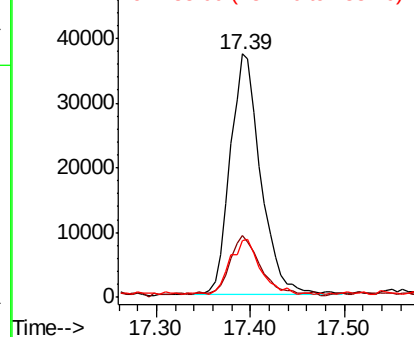


Abundance

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



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