

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101117\
 Data File : BF099376.D
 Acq On : 12 Oct 2017 6:47
 Operator : SJ/JU
 Sample : I5710-18
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-33B

Manual Integrations
 APPROVED

Sohil
 10/13/2017 12:07:25 PM

Quant Time: Oct 12 07:43:48 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 16:25:21 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	128211	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	518714	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	230069	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	389600	20.00	ng	0.00
75) Chrysene-d12	14.01	240	209045	20.00	ng	0.00
86) Perylene-d12	15.48	264	209286	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	973062	120.82	ng	0.01
7) Phenol-d6	6.49	99	1167577	117.52	ng	0.00
23) Nitrobenzene-d5	7.42	82	715285	88.43	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	234495	124.56	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	1222643	88.72	ng	0.00
78) Terphenyl-d14	12.96	244	919261	100.01	ng	0.00
Target Compounds						
10) Phenol	6.50	94	39414	3.547	ng	83
49) Dimethylphthalate	9.60	163	215329	12.401	ng	100
74) Fluoranthene	12.59	202	78786	3.731	ng	98
77) Pyrene	12.82	202	95781	6.009	ng	99
80) Benzo(a)anthracene	14.00	228	39782	3.143	ng	97
82) Chrysene	14.04	228	41159	3.415	ng	99
85) Indeno(1,2,3-cd)pyrene	16.96	276	39768	4.125	ng	100
87) Benzo(b)fluoranthene	15.05	252	63086m	4.903	ng	
89) Benzo(a)pyrene	15.42	252	48289	4.088	ng	# 95
91) Benzo(g,h,i)perylene	17.40	276	43477	4.653	ng	93

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

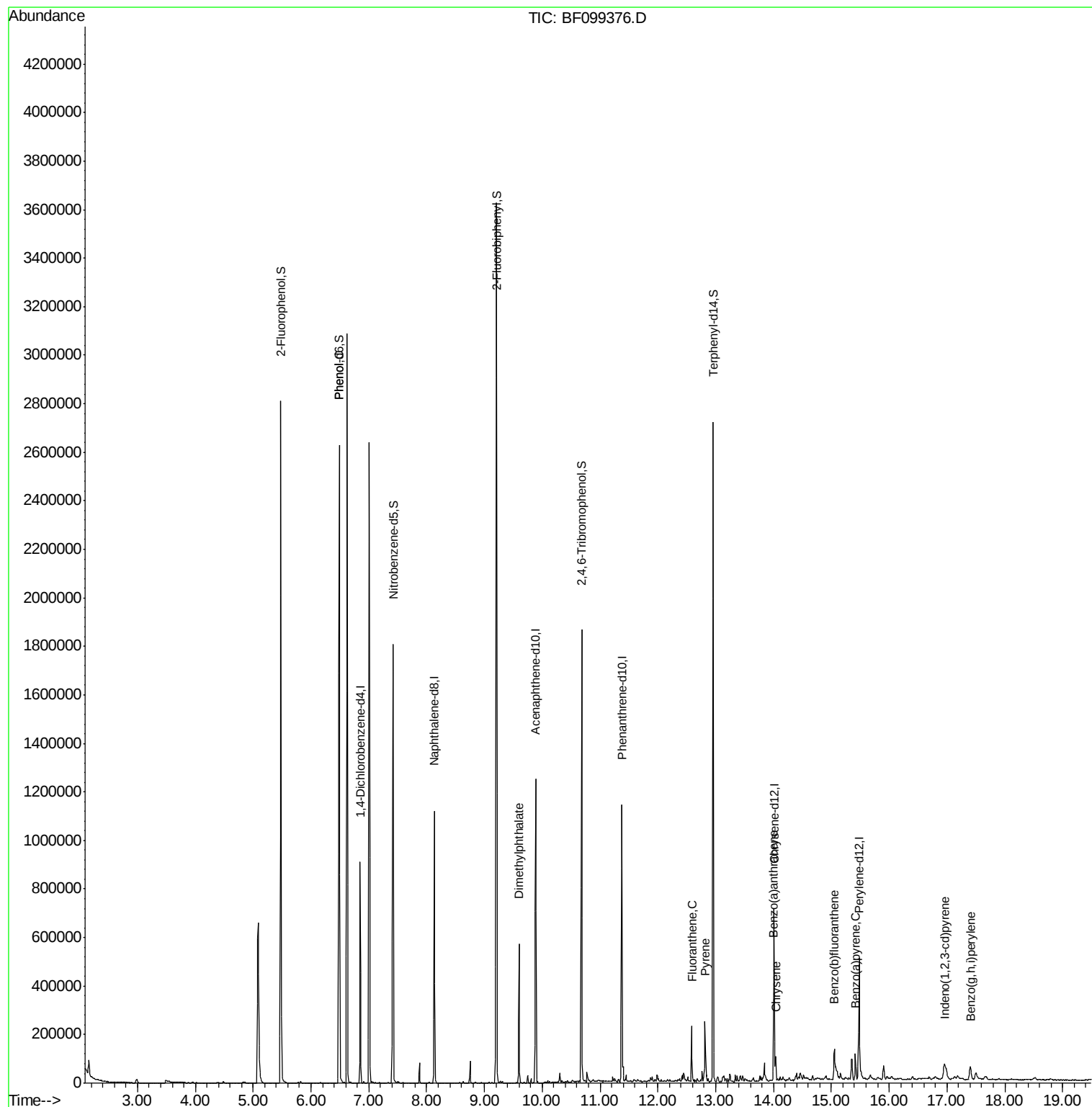
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101117\
Data File : BF099376.D
Acq On : 12 Oct 2017 6:47
Operator : SJ/JU
Sample : I5710-18
Misc :
ALS Vial : 27 Sample Multiplier: 1

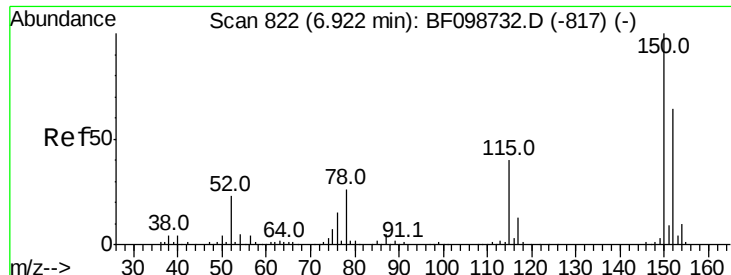
Instrument :
BNA_F
ClientSampleId :
SB-33B

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#1

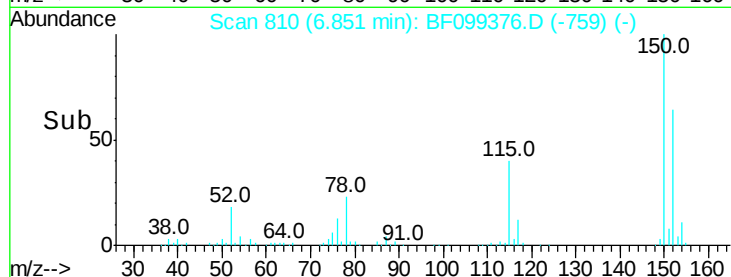
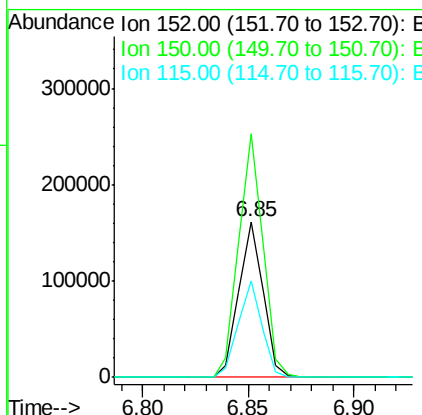
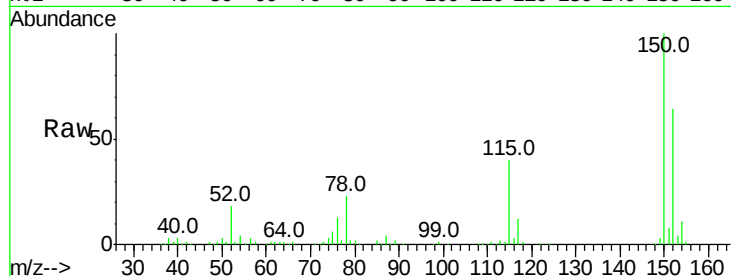
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF099376.D
Acq: 12 Oct 2017 6:47

Instrument :
BNA_F
ClientSampleId :
SB-33B

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.6	186.8
115	61.9	50.1	75.1

Manual Integrations
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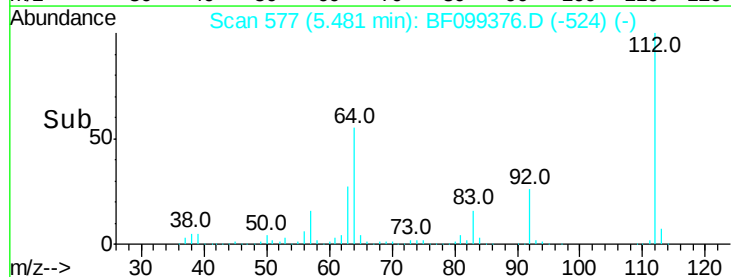
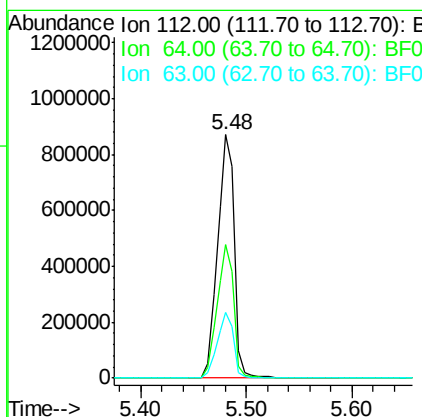
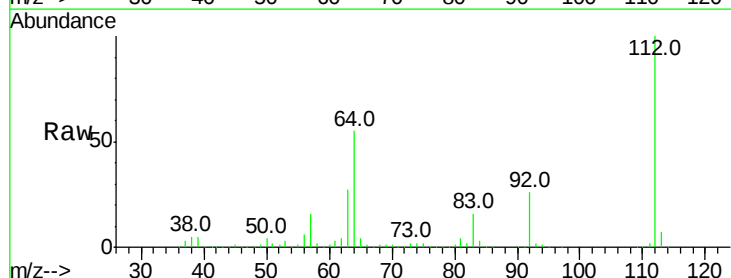
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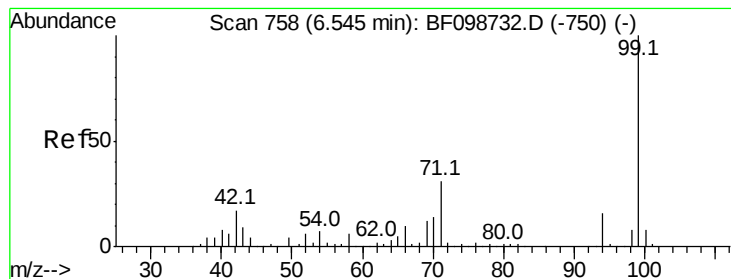


#5

2-Fluorophenol
Concen: 120.818 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.01 min
Lab File: BF099376.D
Acq: 12 Oct 2017 6:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.9	47.9	71.9
63	27.0	23.7	35.5





#7

Phenol-d6

Concen: 117.516 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.01 min

Lab File: BF099376.D

Acq: 12 Oct 2017 6:47

Instrument :

BNA_F

ClientSampled :

SB-33B

Tot Ion: 99 Resp: 1167577

Ion Ratio Lower Upper

99 100

42 15.2 14.5 21.7

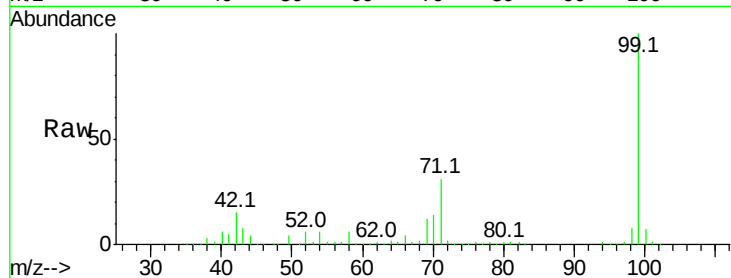
71 30.7 25.4 38.0

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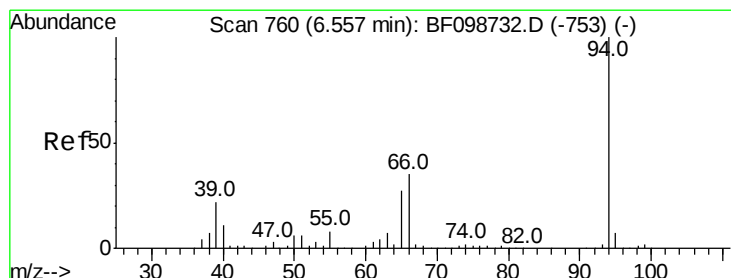
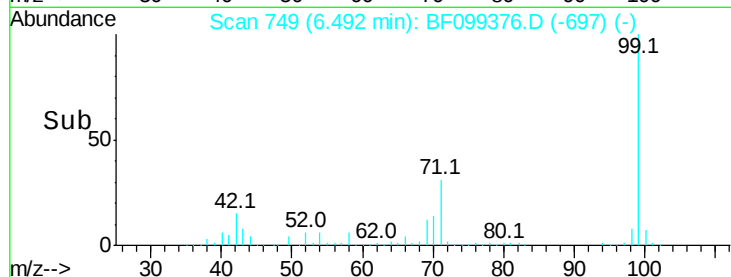
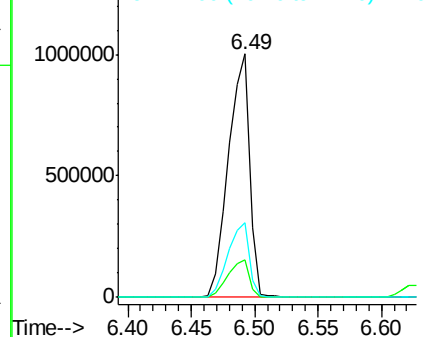
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 3.547 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: BF099376.D

Acq: 12 Oct 2017 6:47

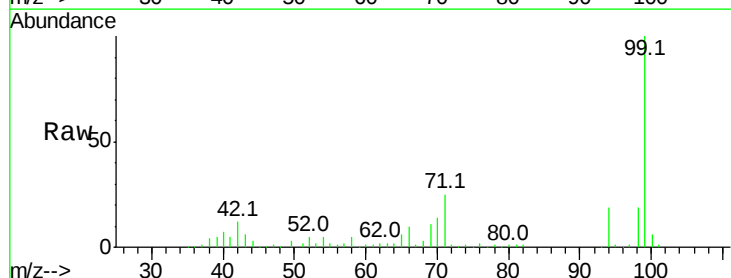
Tgt Ion: 94 Resp: 39414

Ion Ratio Lower Upper

94 100

65 30.8 7.9 47.9

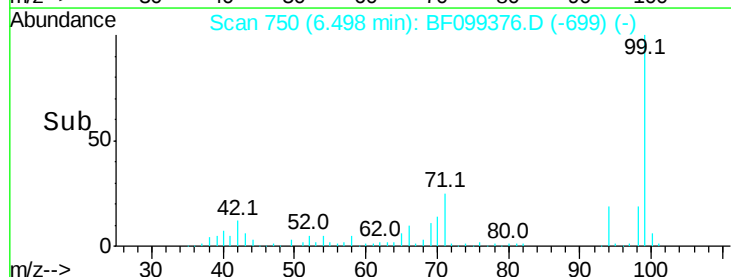
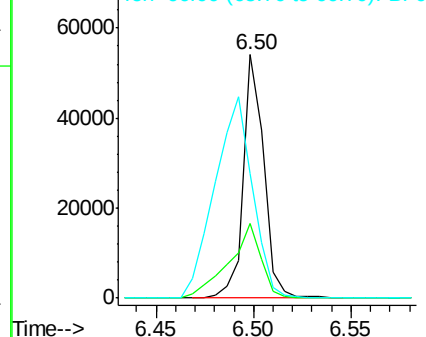
66 51.1 16.2 56.2

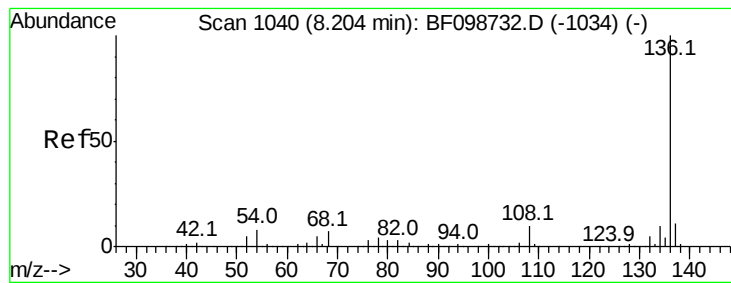


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF099376.D

Acq: 12 Oct 2017 6:47

Instrument :

BNA_F

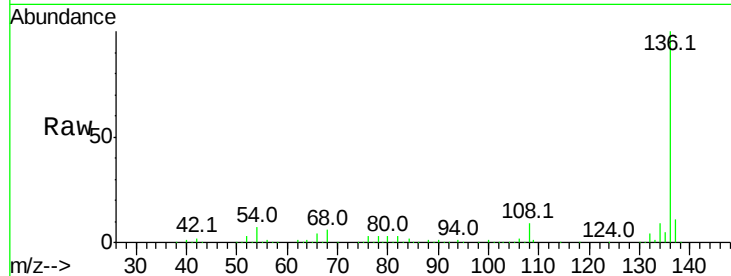
ClientSampled :

SB-33B

Tot Ion	Ratio	Resp	Lower	Upper
136	100	518714		
137	10.7		8.9	13.3
54	7.0		6.6	9.8
68	5.7		5.0	7.4

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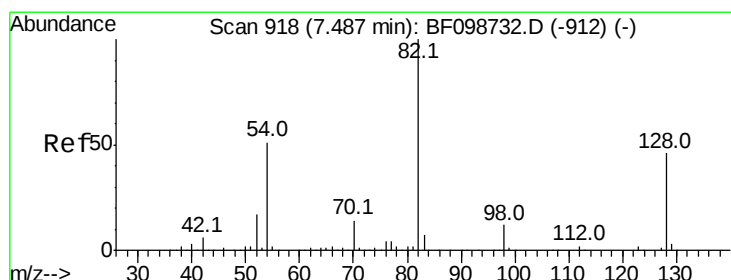
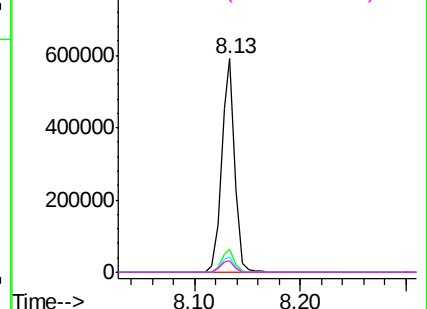
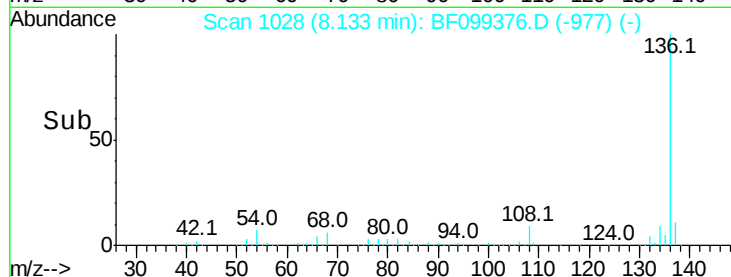


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 88.433 ng

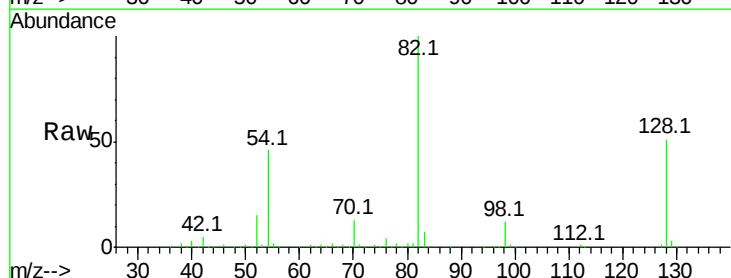
RT: 7.42 min Scan# 907

Delta R.T. -0.00 min

Lab File: BF099376.D

Acq: 12 Oct 2017 6:47

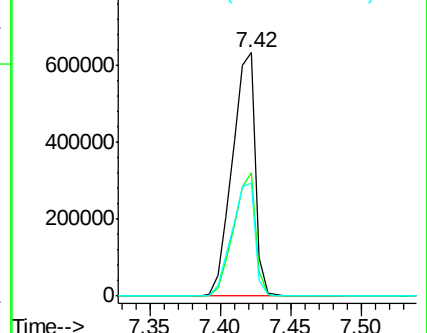
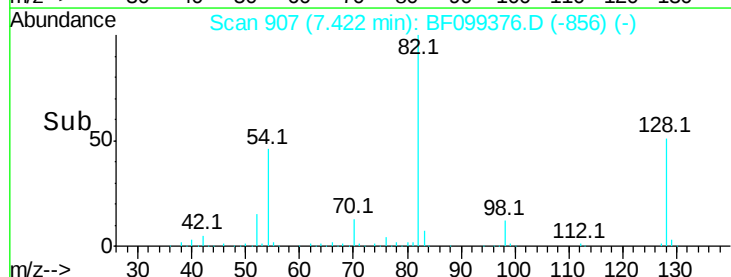
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	715285		
128	50.6		36.1	54.1
54	46.4		41.4	62.2

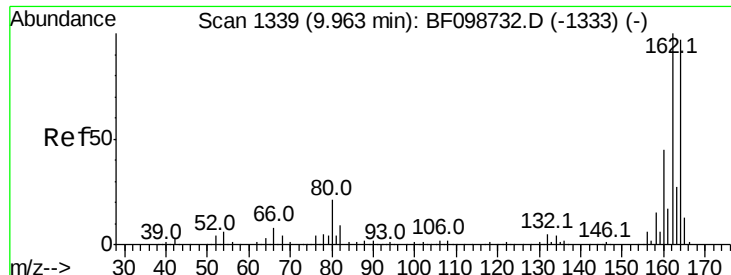


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





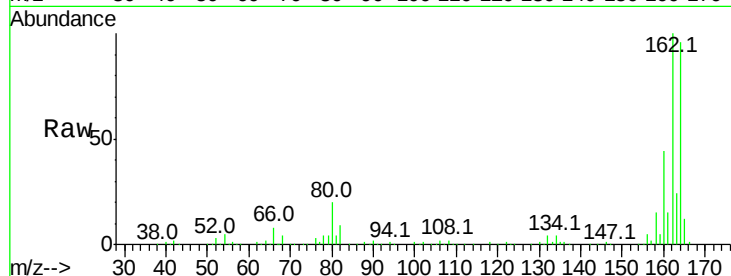
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.01 min
Lab File: BF099376.D
Acq: 12 Oct 2017 6:47

Instrument :
BNA_F
ClientSampleId :
SB-33B

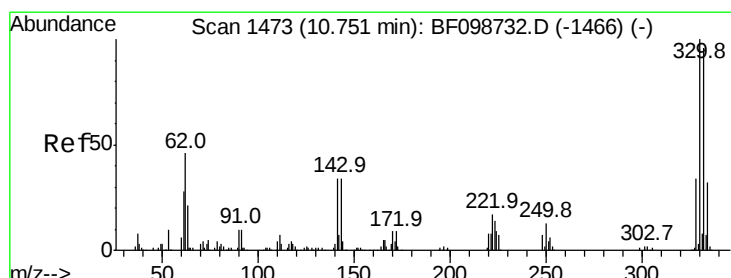
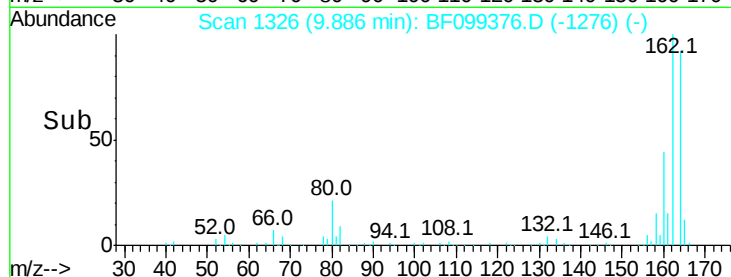
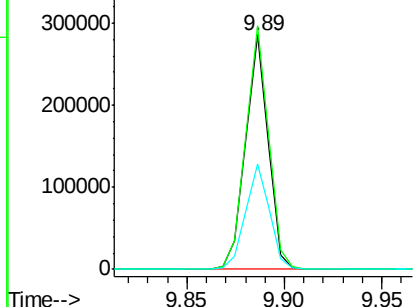
Tot Ion	Ratio	Resp	Lower	Upper
164	100	230069		
162	103.9	86.1	129.1	
160	45.2	38.3	57.5	

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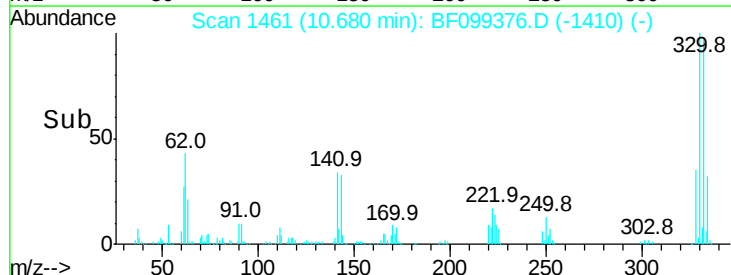
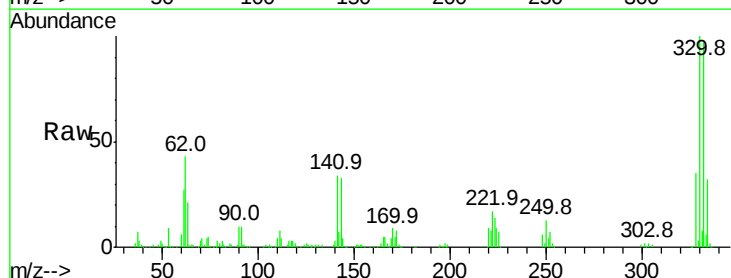
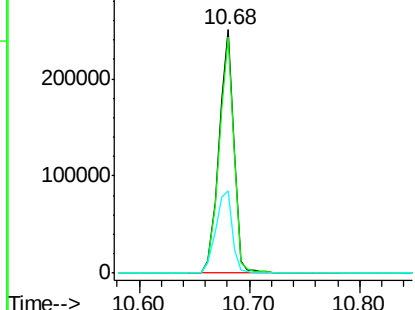
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

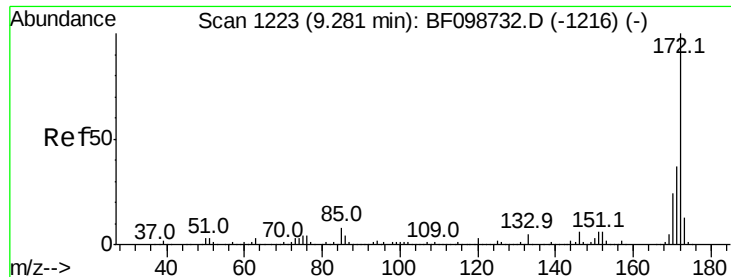


#41
2,4,6-Tribromophenol
Concen: 124.560 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.00 min
Lab File: BF099376.D
Acq: 12 Oct 2017 6:47

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	234495		
332	96.1	77.0	115.6	
141	37.5	29.9	44.9	

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





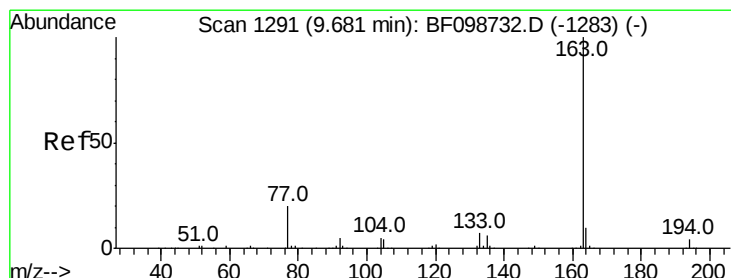
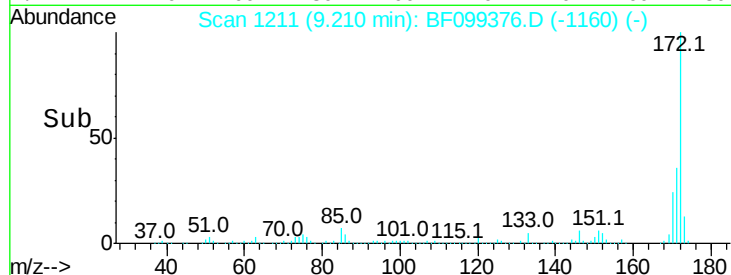
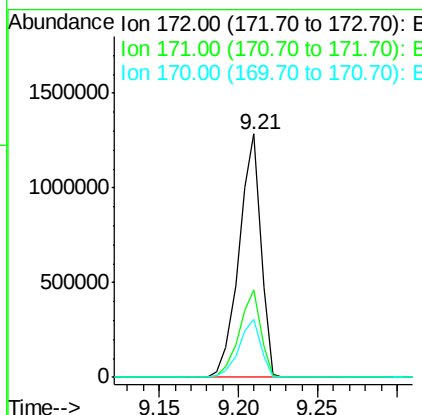
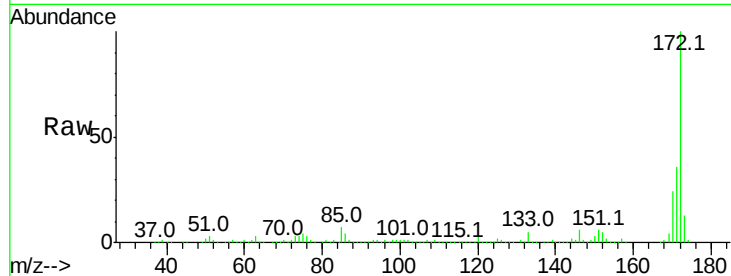
#44
2-Fluorobiphenyl
Concen: 88.717 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.00 min
Lab File: BF099376.D
Acq: 12 Oct 2017 6:47

Instrument :
BNA_F
ClientSampleId :
SB-33B

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.0	19.6	29.4

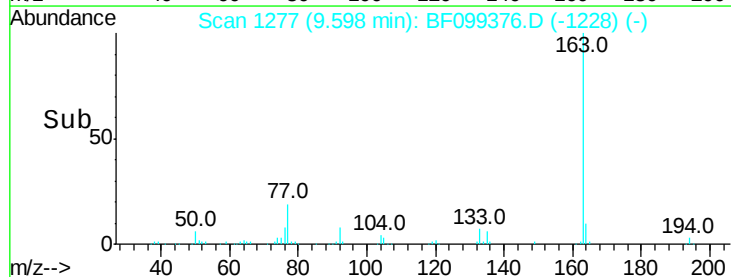
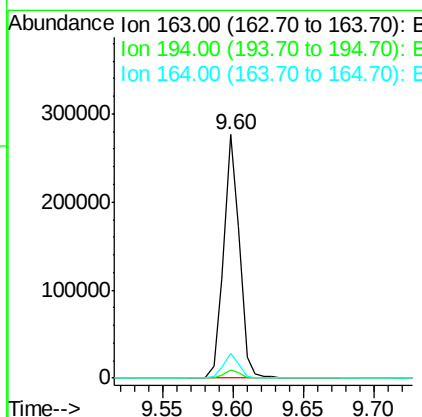
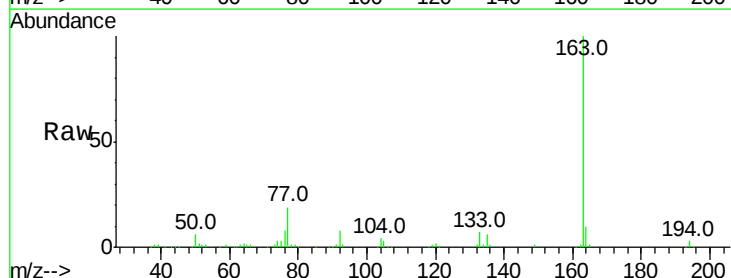
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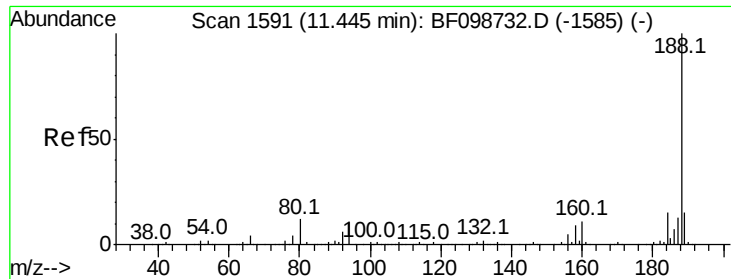
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#49
Dimethylphthalate
Concen: 12.401 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF099376.D
Acq: 12 Oct 2017 6:47

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.7	4.1
164	10.2	8.2	12.2





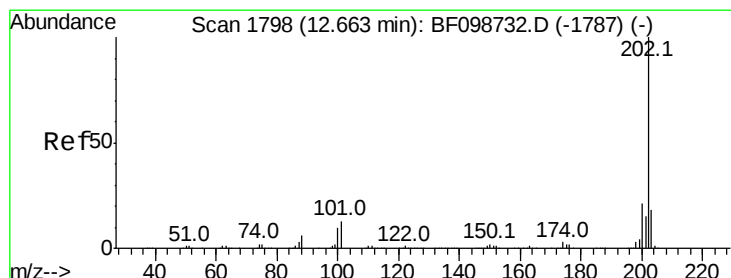
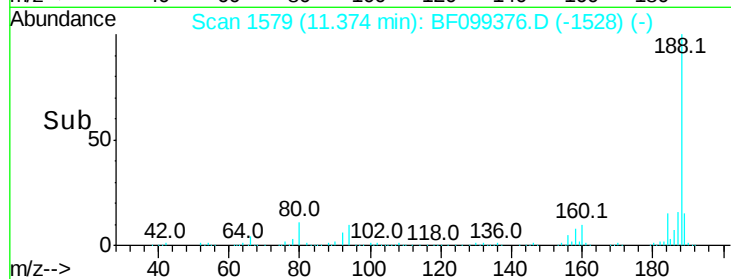
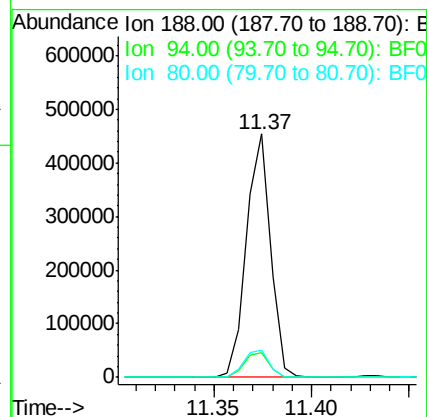
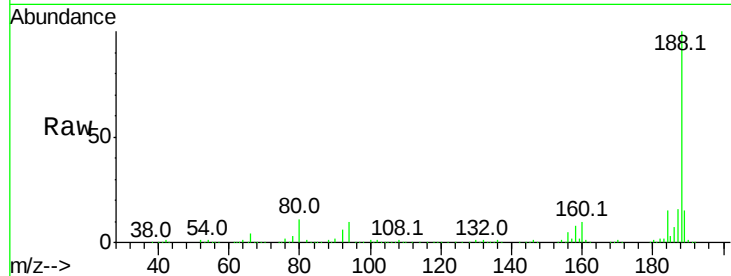
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.00 min
Lab File: BF099376.D
Acq: 12 Oct 2017 6:47

Instrument :
BNA_F
ClientSampled :
SB-33B

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.0	8.5	12.7
80	11.0	9.2	13.8

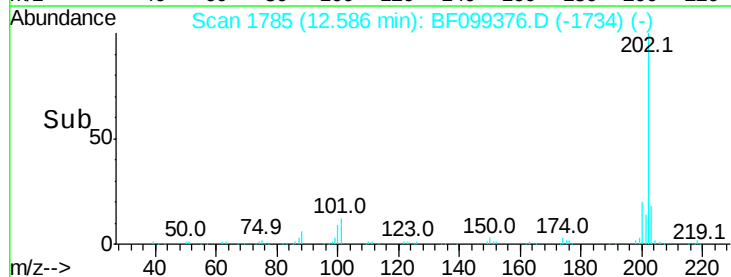
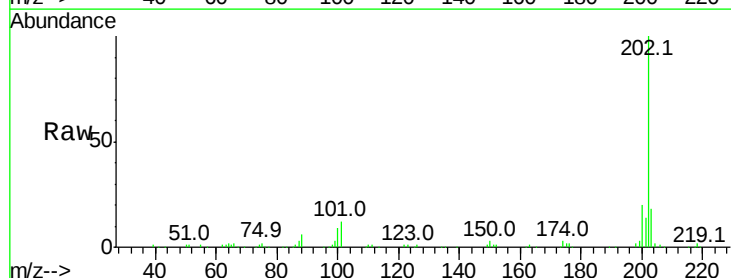
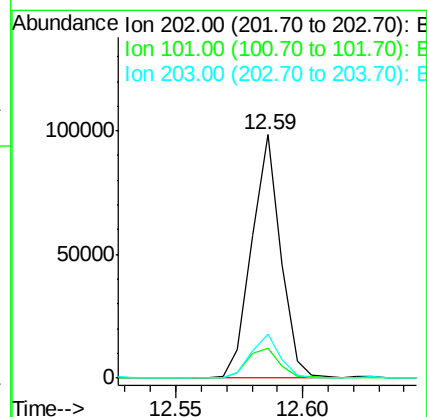
Manual Integrations
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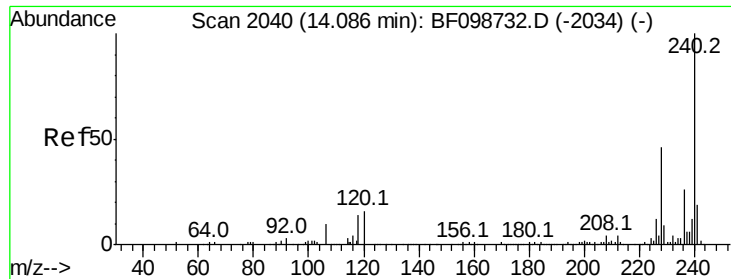
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#74
Fluoranthene
Concen: 3.731 ng
RT: 12.59 min Scan# 1785
Delta R.T. -0.00 min
Lab File: BF099376.D
Acq: 12 Oct 2017 6:47

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	12.4	0.0	34.1
203	18.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF099376.D

Acq: 12 Oct 2017 6:47

Instrument :

BNA_F

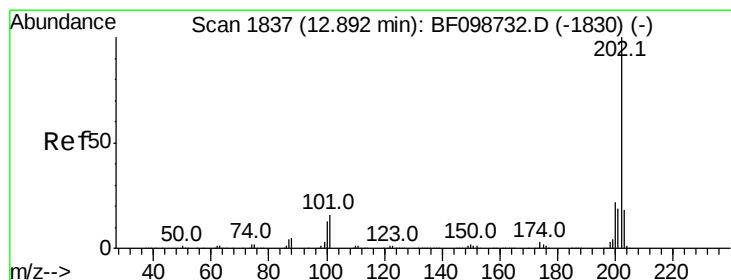
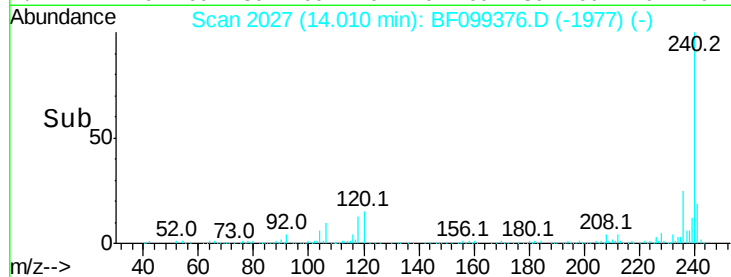
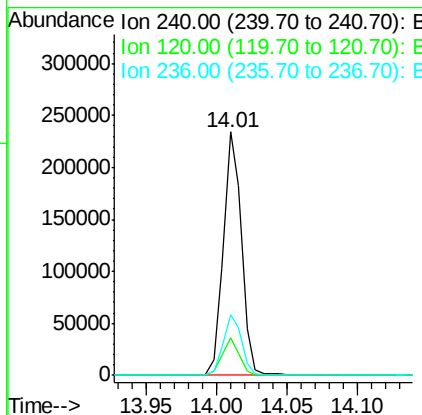
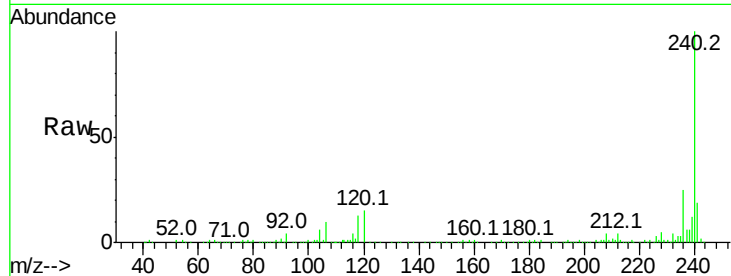
ClientSampleId :

SB-33B

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	15.4	9.5	14.3	
236	24.9	20.7	31.1	

Manual Integrations
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#77

Pyrene

Concen: 6.009 ng

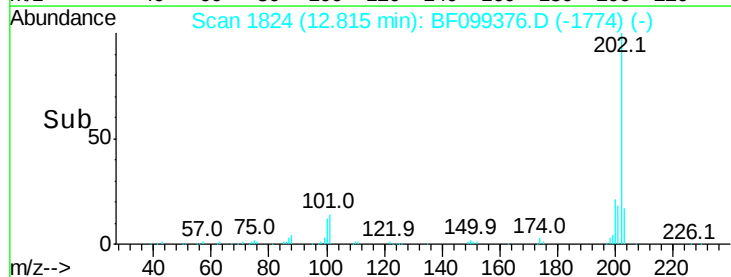
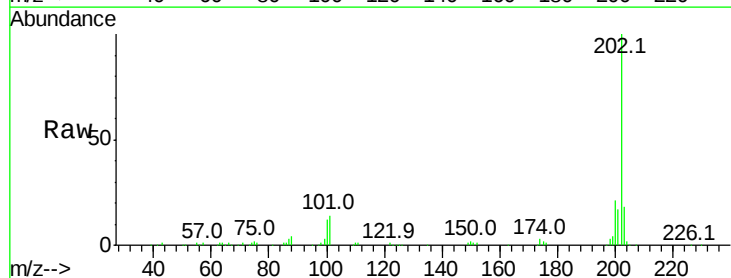
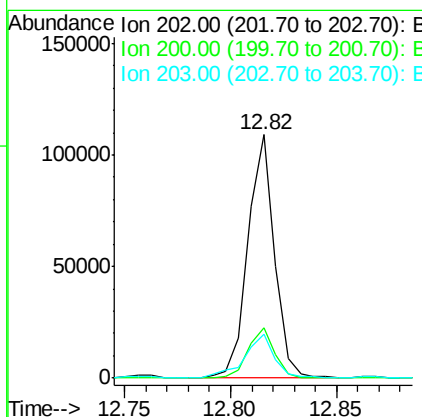
RT: 12.82 min Scan# 1824

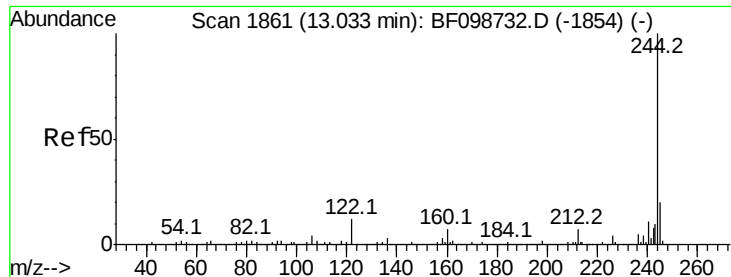
Delta R.T. -0.01 min

Lab File: BF099376.D

Acq: 12 Oct 2017 6:47

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.8	17.4	26.2	
203	17.8	14.3	21.5	





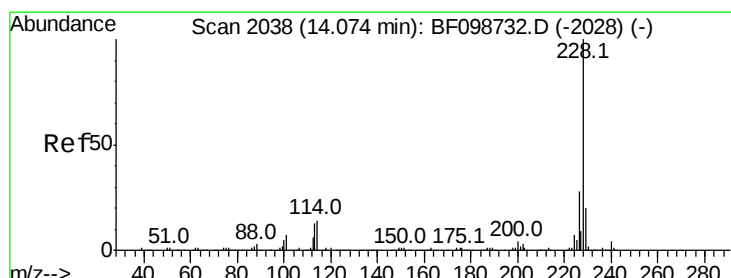
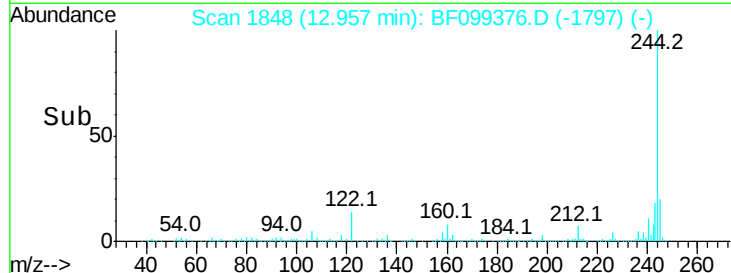
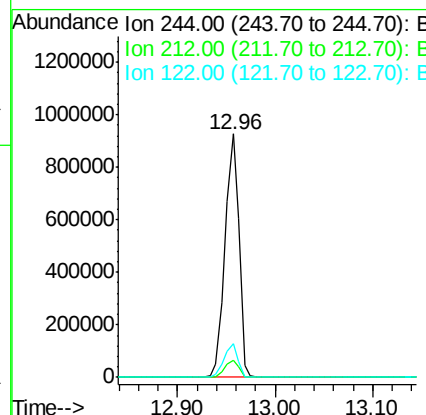
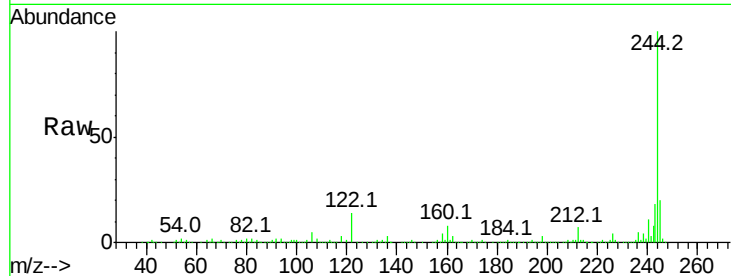
#78
 Terphenyl-d14
 Concen: 100.006 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.00 min
 Lab File: BF099376.D
 Acq: 12 Oct 2017 6:47

Instrument :
 BNA_F
 ClientSampleId :
 SB-33B

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	13.7	11.0	16.4

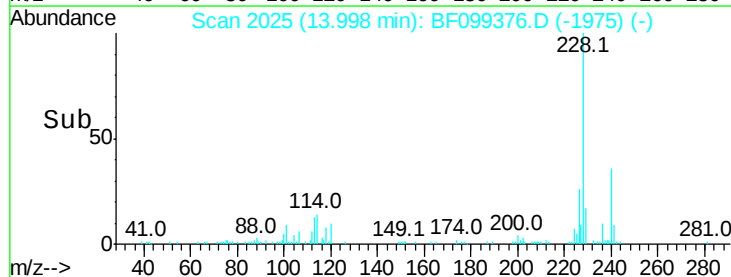
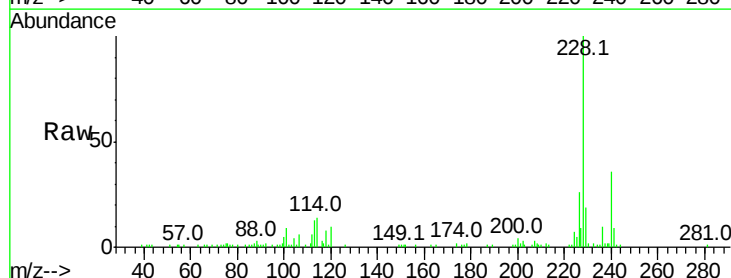
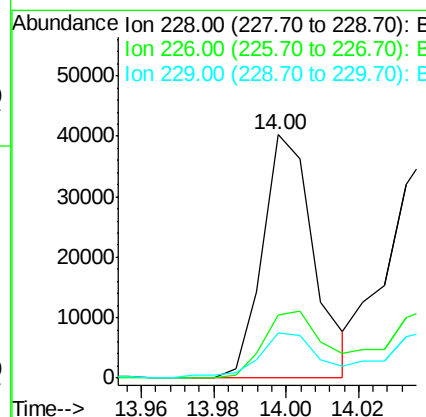
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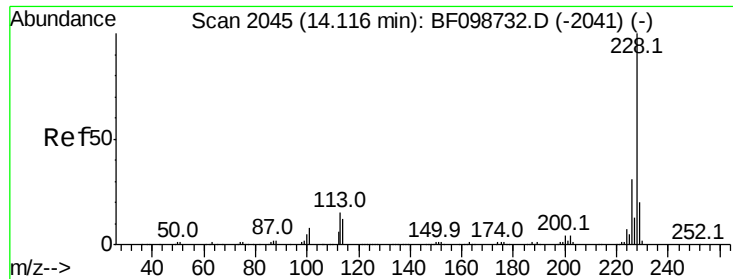
Sohil
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#80
 Benzo(a)anthracene
 Concen: 3.143 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.01 min
 Lab File: BF099376.D
 Acq: 12 Oct 2017 6:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.0	22.6	33.8
229	18.6	15.8	23.6





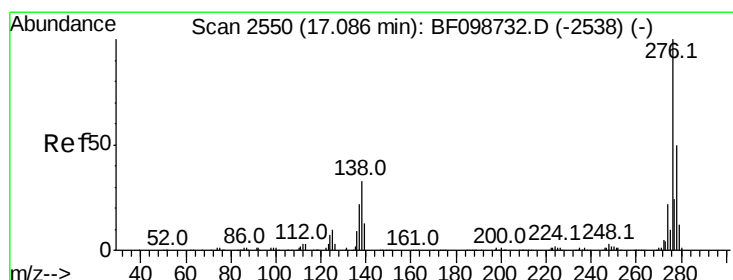
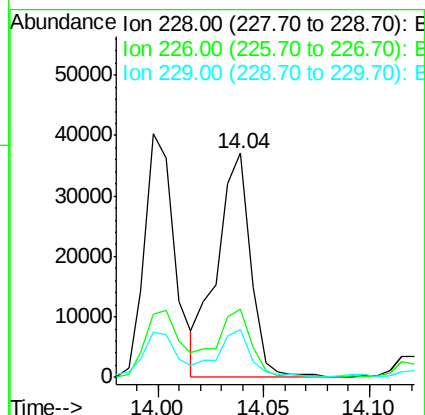
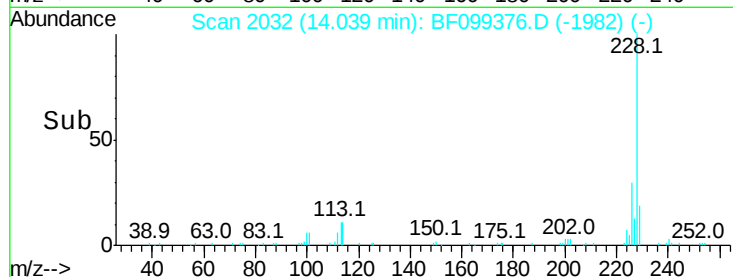
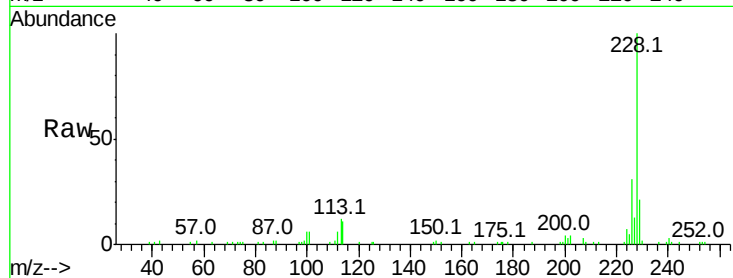
#82
Chrysene
Concen: 3.415 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF099376.D
Acq: 12 Oct 2017 6:47

Instrument :
BNA_F
ClientSampled :
SB-33B

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	21.0	16.2	24.4

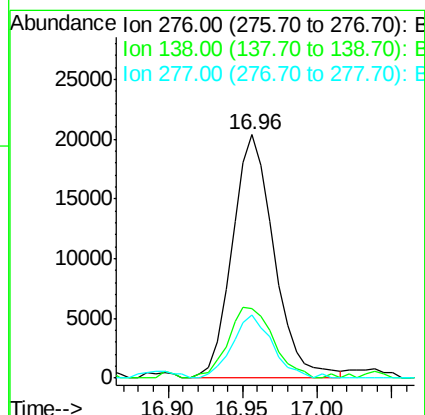
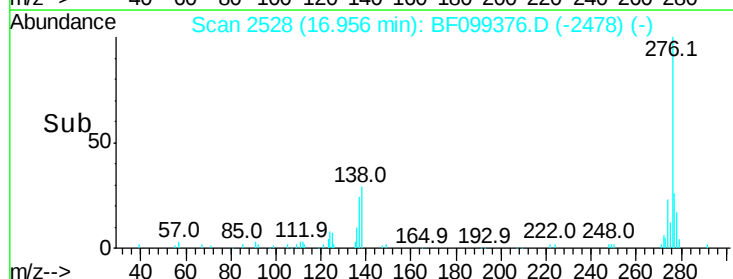
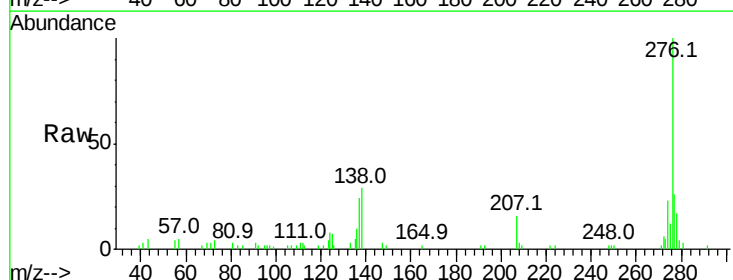
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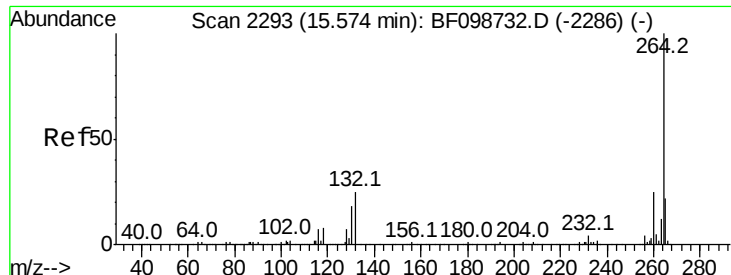
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.125 ng
RT: 16.96 min Scan# 2528
Delta R.T. -0.01 min
Lab File: BF099376.D
Acq: 12 Oct 2017 6:47

Tgt Ion	Ratio	Lower	Upper
276	100		
138	31.4	25.0	37.6
277	24.9	20.1	30.1





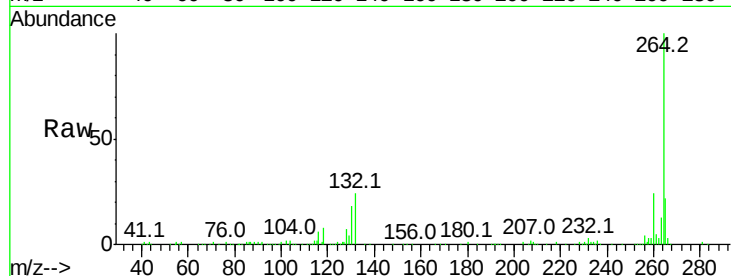
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. -0.00 min
Lab File: BF099376.D
Acq: 12 Oct 2017 6:47

Instrument :
BNA_F
ClientSampleId :
SB-33B

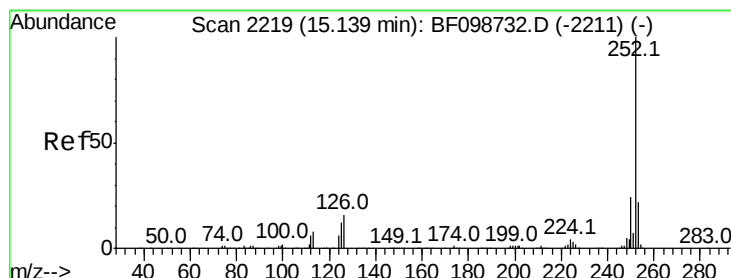
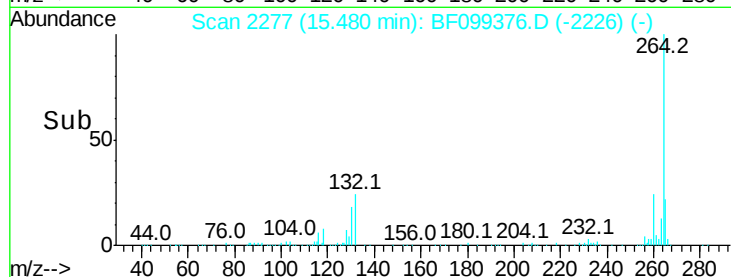
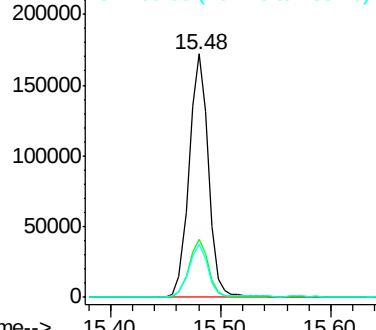
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.6	17.5	26.3

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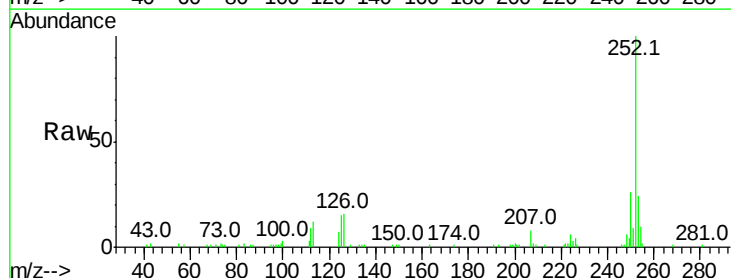


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

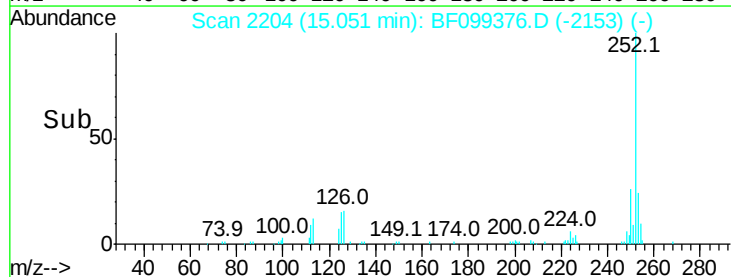
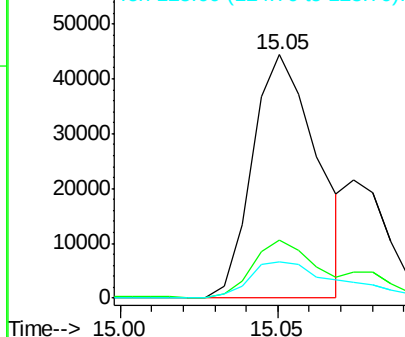


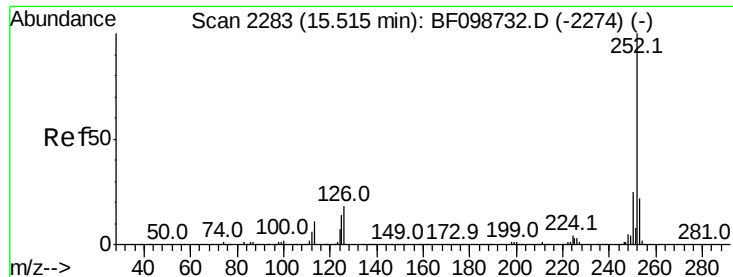
#87
Benzo(b)fluoranthene
Concen: 4.903 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.00 min
Lab File: BF099376.D
Acq: 12 Oct 2017 6:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.6
125	15.0	9.0	13.6



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





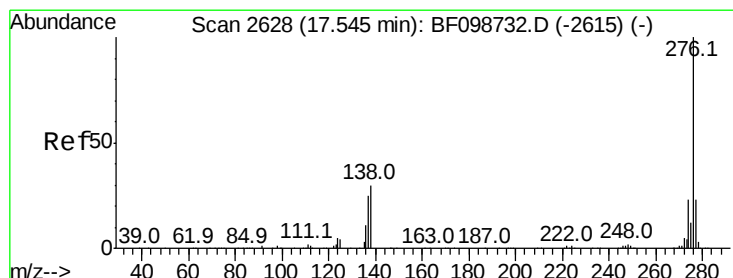
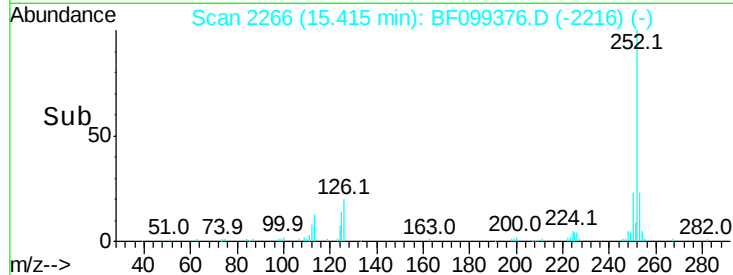
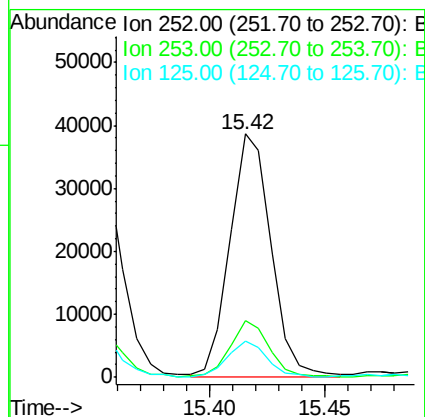
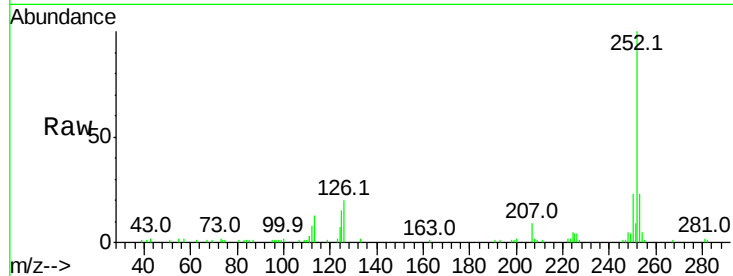
#89
Benzo(a)pyrene
Concen: 4.088 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF099376.D
Acq: 12 Oct 2017 6:47

Instrument :
BNA_F
ClientSampleId :
SB-33B

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	14.8	9.8	14.6

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#91
Benzo(g,h,i)perylene
Concen: 4.653 ng
RT: 17.40 min Scan# 2604
Delta R.T. -0.01 min
Lab File: BF099376.D
Acq: 12 Oct 2017 6:47

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	17.9	26.9
138	32.4	21.8	32.8

