

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102516\
 Data File : BF090827.D
 Acq On : 26 Oct 2016 00:16
 Operator : UM/SJ
 Sample : H5396-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P2-S1

Manual Integrations
 APPROVED

Quant Time: Oct 26 01:34:12 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 25 18:56:36 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	188120	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	761637	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	358554	20.00	ng	-0.01
63) Phenanthrene-d10	11.32	188	568581	20.00	ng	0.00
75) Chrysene-d12	13.96	240	377425	20.00	ng	0.00
86) Perylene-d12	15.38	264	351528	20.00	ng	0.00

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System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	1270693	108.94	ng	0.01
7) Phenol-d6	6.44	99	1547553	97.95	ng	0.00
23) Nitrobenzene-d5	7.37	82	908718	65.44	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	351696	123.93	ng	-0.01
44) 2-Fluorobiphenyl	9.16	172	1472942	63.77	ng	-0.01
78) Terphenyl-d14	12.91	244	1145842	69.58	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Dimethylphthalate	9.56	163	604297	26.82	ng	# 97
70) Phenanthrene	11.34	178	101363	3.50	ng	97
74) Fluoranthene	12.53	202	176299	6.29	ng	93
77) Pyrene	12.76	202	151816	5.76	ng	97
80) Benzo(a)anthracene	13.95	228	60829m	2.95	ng	
82) Chrysene	13.99	228	73090m	3.63	ng	
85) Indeno(1,2,3-cd)pyrene	16.75	276	35883m	2.04	ng	
87) Benzo(b)fluoranthene	14.98	252	85949m	3.98	ng	
89) Benzo(a)pyrene	15.32	252	56889	2.81	ng	# 86

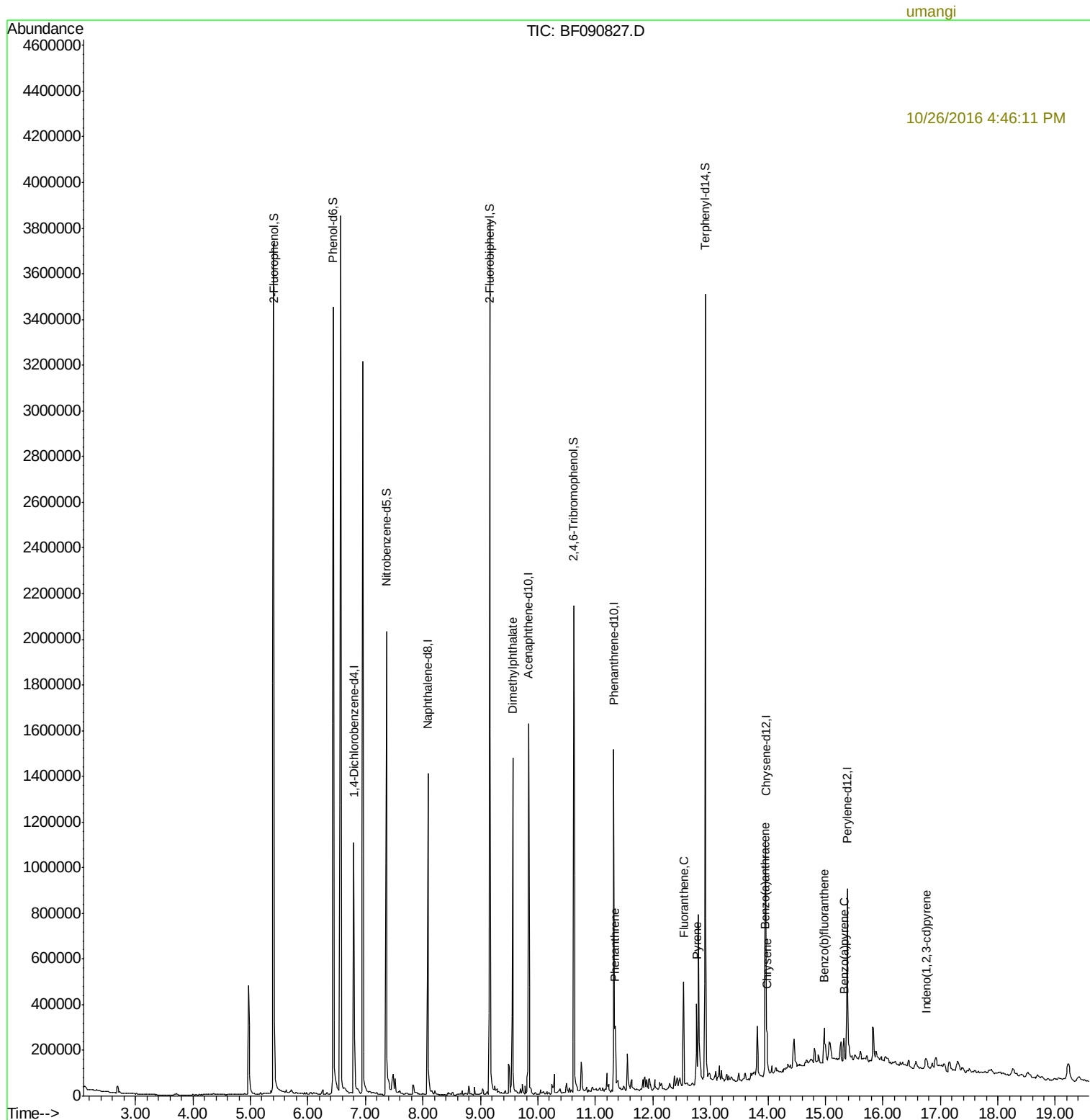
(#) = qualifier out of range (m) = manual integration (+) = signals summed

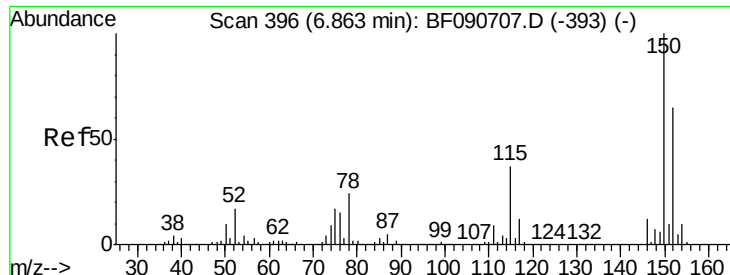
Data Path : Z:\HPCHEM1\BNA F\DATA\BF102516\
Data File : BF090827.D
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Manual Integrations
APPROVED

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102116.M
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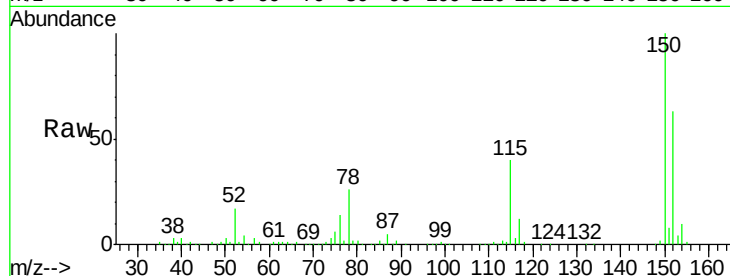
#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 412
Delta R.T. -0.00 min
Lab File: BF090827.D
Acq: 26 Oct 2016 00:16

Instrument :
BNA_F
ClientSampled :
P2-S1

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.7	124.7	187.1
115	63.4	39.0	58.4

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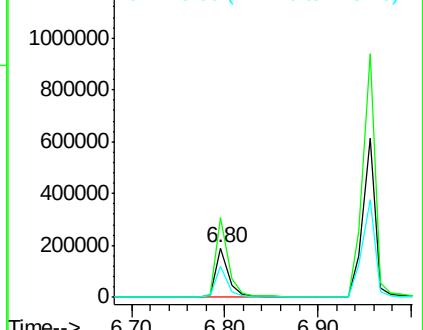


Abundance

Ion 152.00 (151.70 to 152.70): E

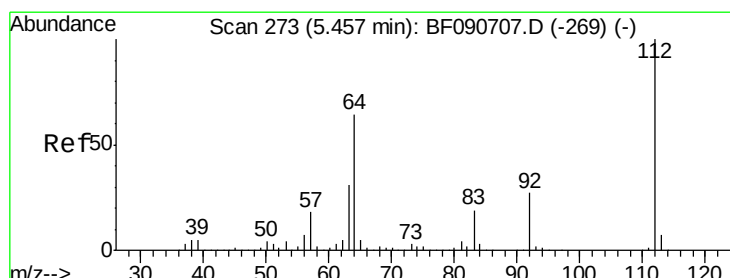
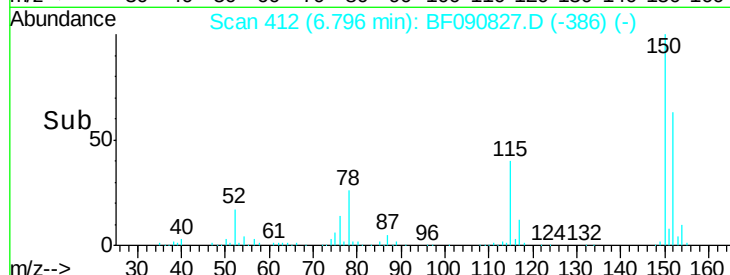
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



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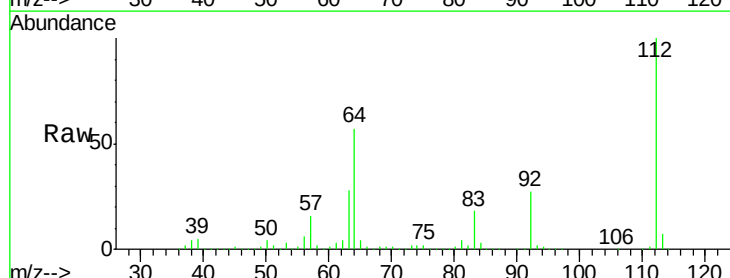
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#5

2-Fluorophenol
Concen: 108.94 ng
RT: 5.40 min Scan# 290
Delta R.T. 0.01 min
Lab File: BF090827.D
Acq: 26 Oct 2016 00:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	39.7	59.5
63	28.2	17.4	26.0

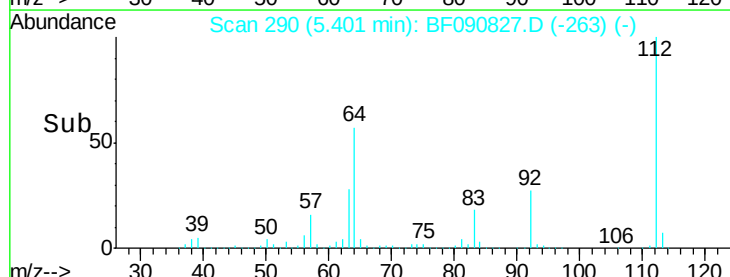
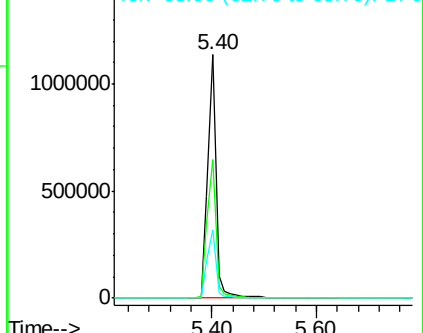


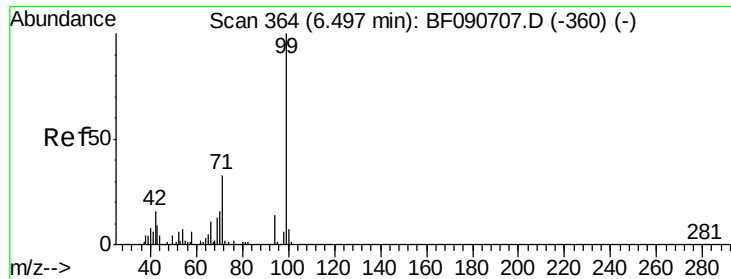
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 97.95 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.00 min

Lab File: BF090827.D

Acq: 26 Oct 2016 00:16

Instrument :

BNA_F

ClientSampleId :

P2-S1

Tot Ion: 99 Resp: 1547553

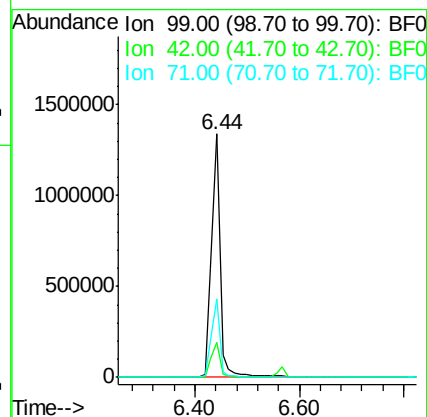
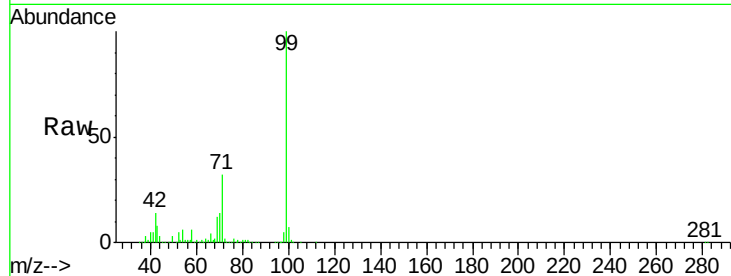
Ion Ratio Lower Upper

99 100

42 14.5 13.7 20.5

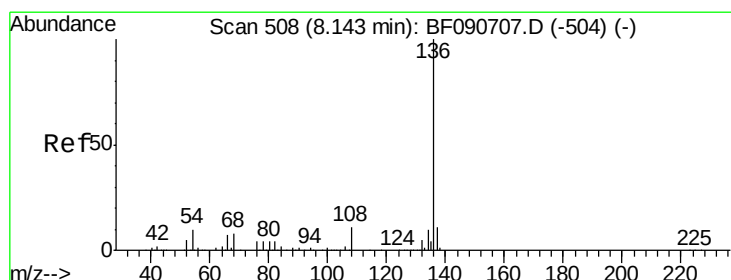
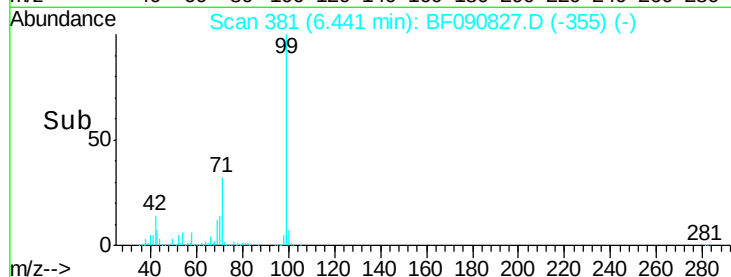
71 32.1 14.2 21.2#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 525

Delta R.T. -0.00 min

Lab File: BF090827.D

Acq: 26 Oct 2016 00:16

Tgt Ion: 136 Resp: 761637

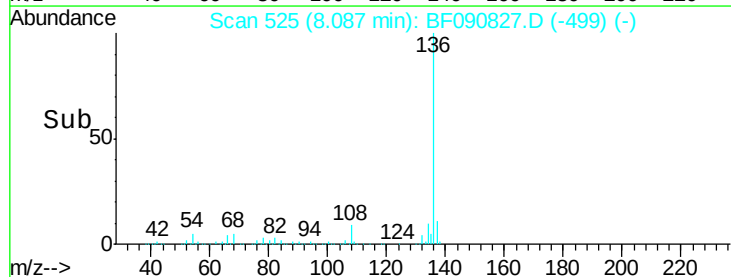
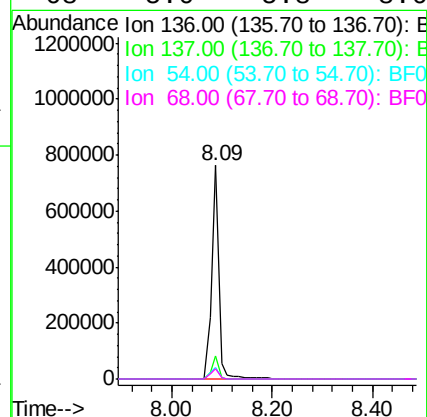
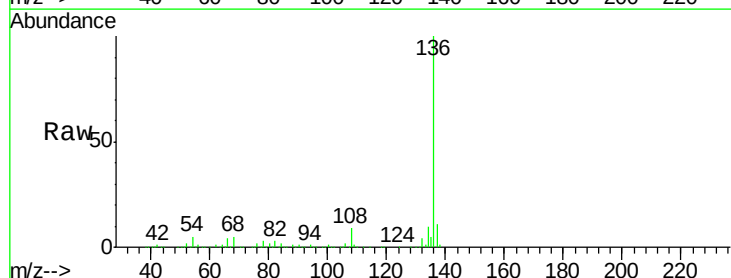
Ion Ratio Lower Upper

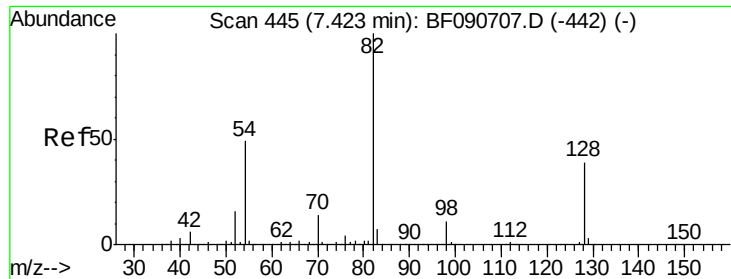
136 100

137 11.0 9.0 13.6

54 5.2 8.2 12.2#

68 5.0 5.8 8.6#



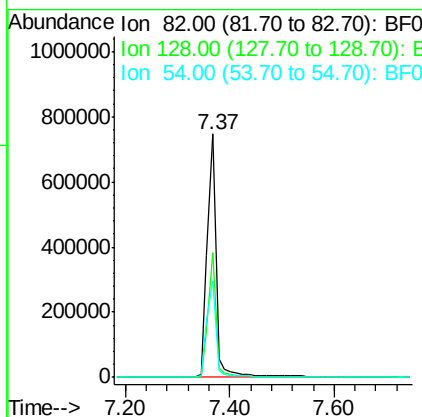
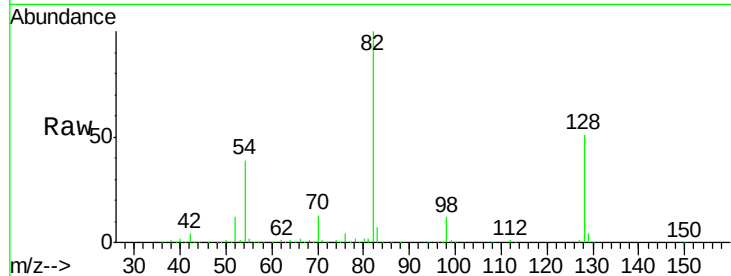


#23
 Nitrobenzene-d5
 Concen: 65.44 ng
 RT: 7.37 min Scan# 462
 Delta R.T. -0.00 min
 Lab File: BF090827.D
 Acq: 26 Oct 2016 00:16

Instrument :
 BNA_F
 ClientSampled :
 P2-S1

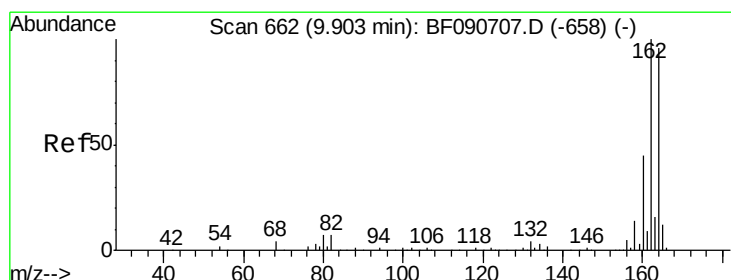
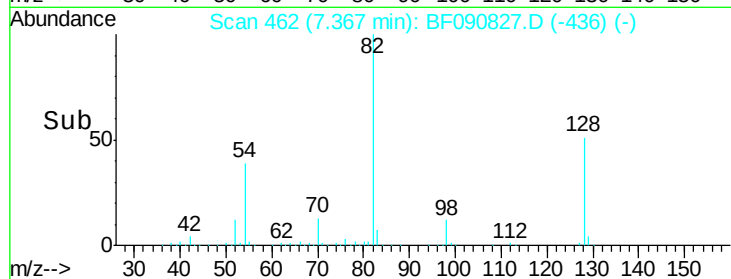
Tot Ion	Ratio	Lower	Upper
82	100		
128	51.0	51.0	76.6#
54	39.4	47.5	71.3#

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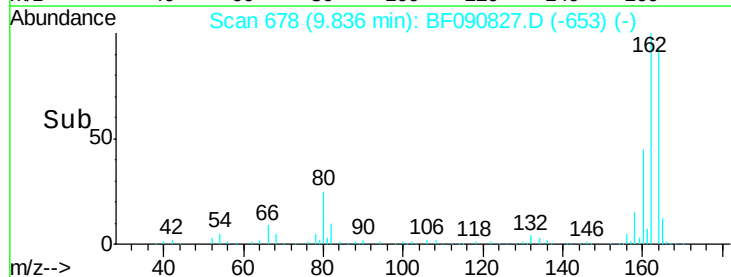
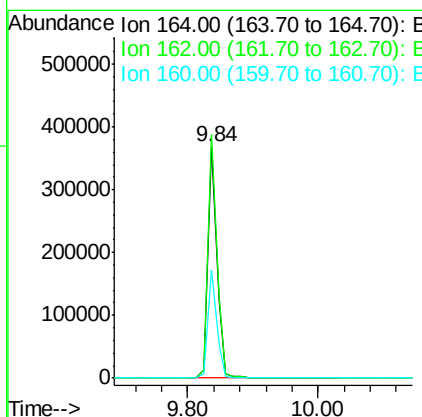
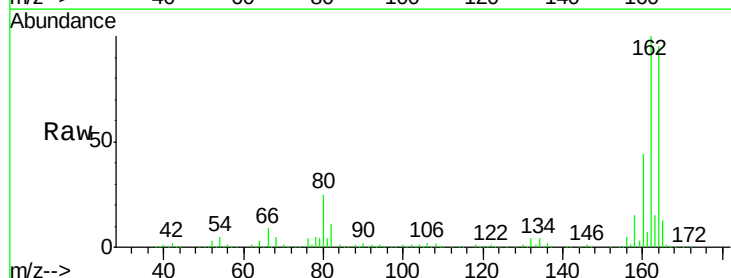
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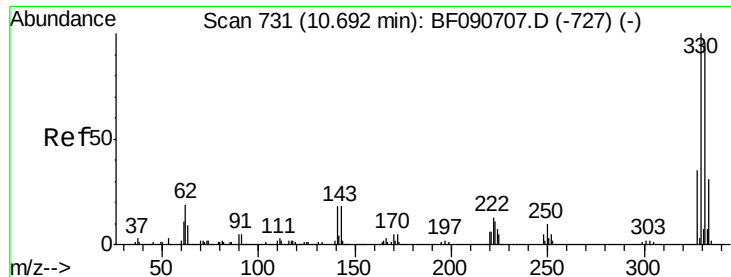
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.84 min Scan# 678
 Delta R.T. -0.01 min
 Lab File: BF090827.D
 Acq: 26 Oct 2016 00:16

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.2	75.2	112.8
160	46.7	31.5	47.3



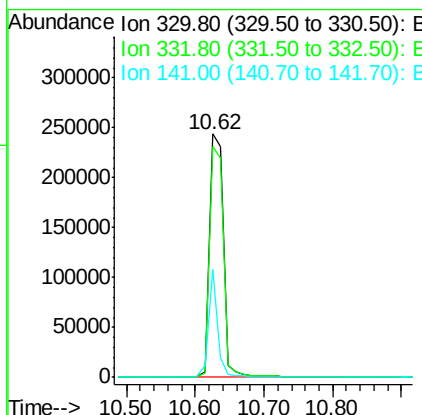
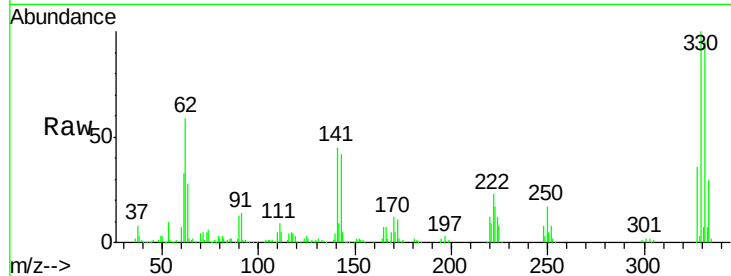


#41
 2,4,6-Tribromophenol
 Concen: 123.93 ng
 RT: 10.62 min Scan# 747
 Delta R.T. -0.01 min
 Lab File: BF090827.D
 Acq: 26 Oct 2016 00:16

Instrument :
 BNA_F
 ClientSampleId :
 P2-S1

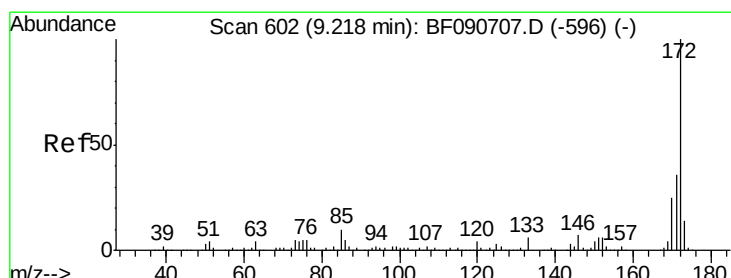
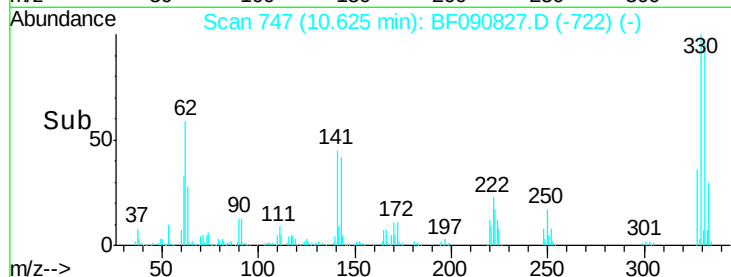
Tot Ion	Ratio	Resp	Lower	Upper
330	100	351696		
332	95.3	76.6	114.8	
141	29.4	29.7	44.5#	

Manual Integrations
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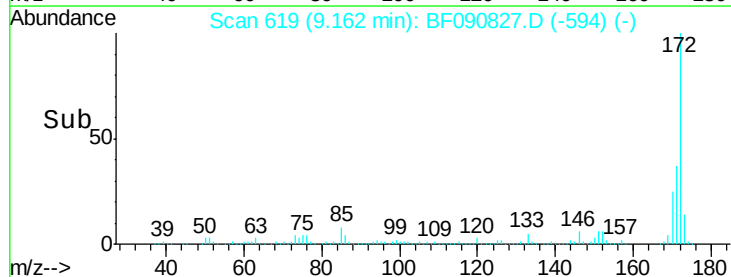
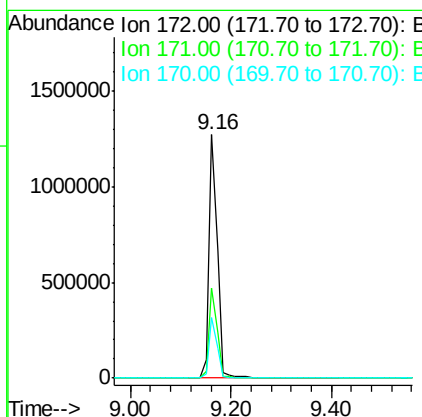
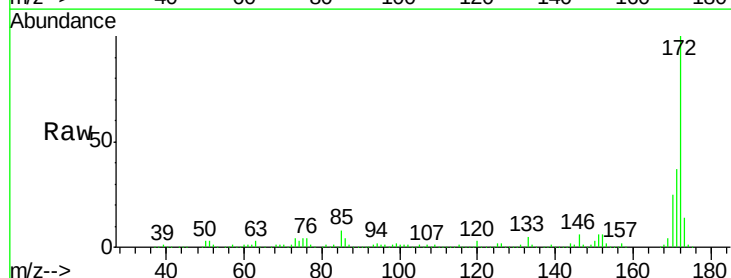
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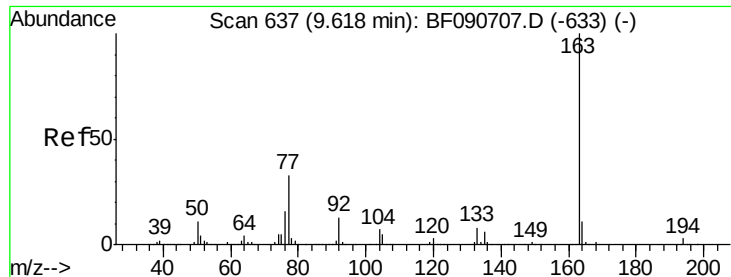
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#44
 2-Fluorobiphenyl
 Concen: 63.77 ng
 RT: 9.16 min Scan# 619
 Delta R.T. -0.01 min
 Lab File: BF090827.D
 Acq: 26 Oct 2016 00:16

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1472942		
171	36.8	26.1	39.1	
170	24.8	17.4	26.2	



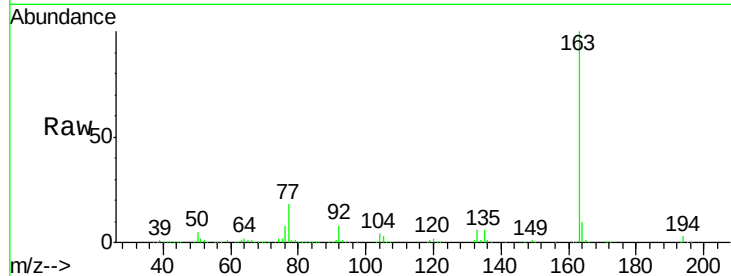


#49
Dimethylphthalate
Concen: 26.82 ng
RT: 9.56 min Scan# 654
Delta R.T. -0.01 min
Lab File: BF090827.D
Acq: 26 Oct 2016 00:16

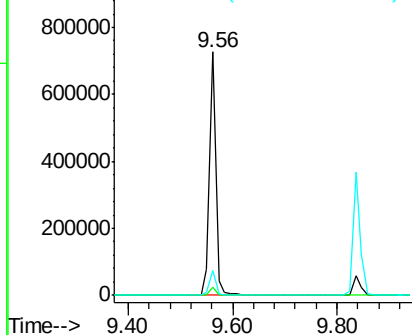
Instrument :
BNA_F
ClientSampled :
P2-S1

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.4	4.4	6.6#
164	10.2	8.3	12.5

Manual Integrations
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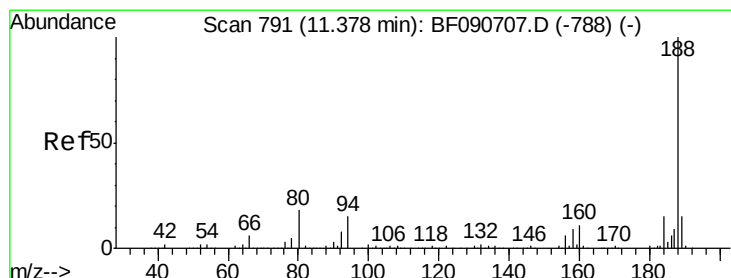
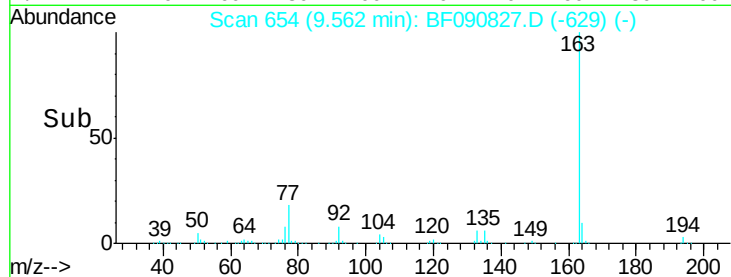


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



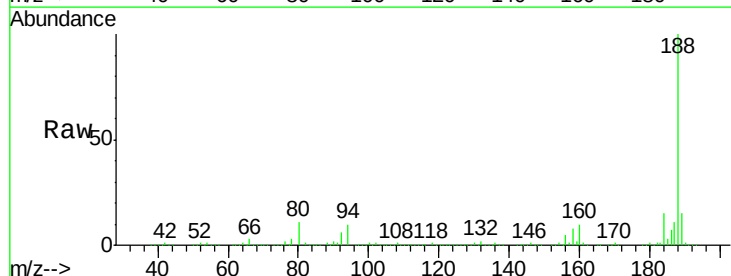
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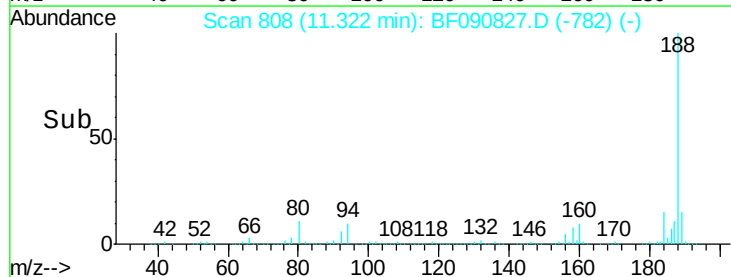
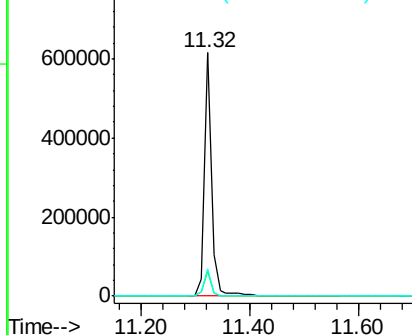


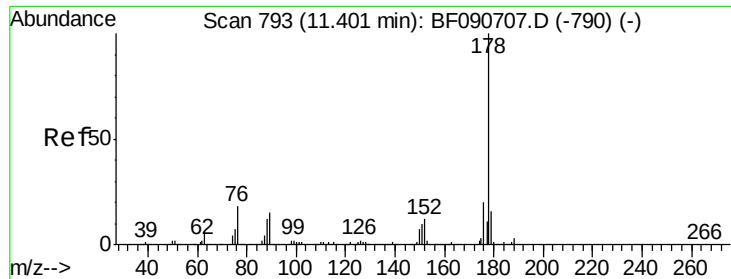
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 808
Delta R.T. -0.00 min
Lab File: BF090827.D
Acq: 26 Oct 2016 00:16

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	11.1	16.7#
80	11.0	11.0	16.4



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0



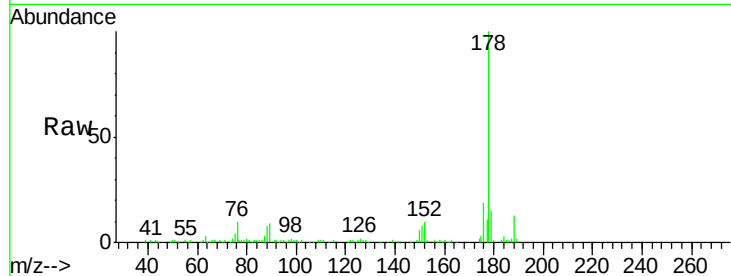


#70
Phenanthrene
Concen: 3.50 ng
RT: 11.34 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF090827.D
Acq: 26 Oct 2016 00:16

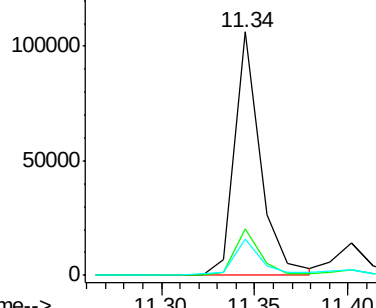
Instrument :
BNA_F
ClientSampled :
P2-S1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
178	100				
176	19.0		13.8	20.8	
179	14.8		12.2	18.2	

Manual Integrations
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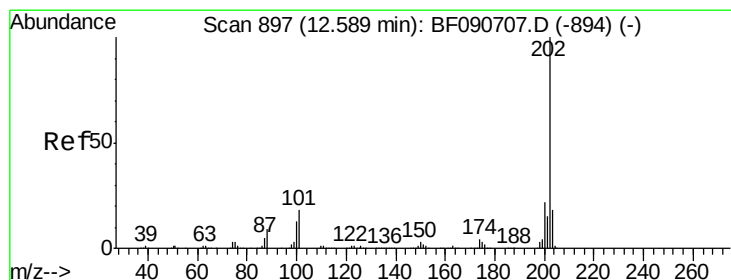
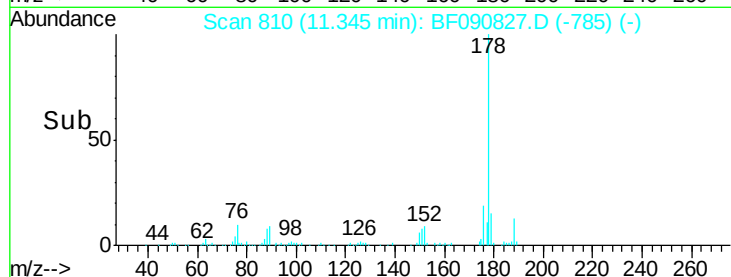


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



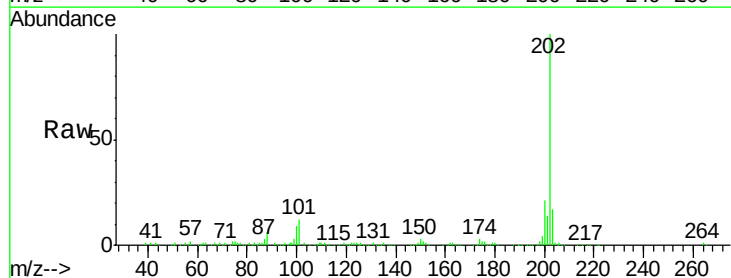
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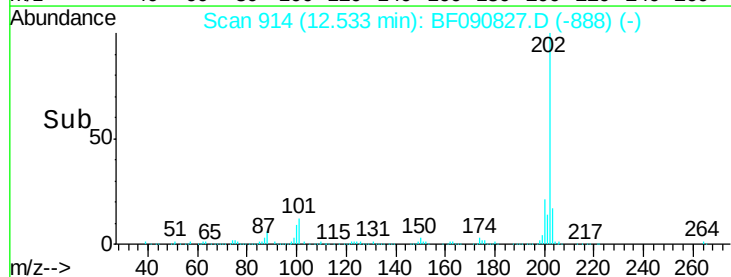
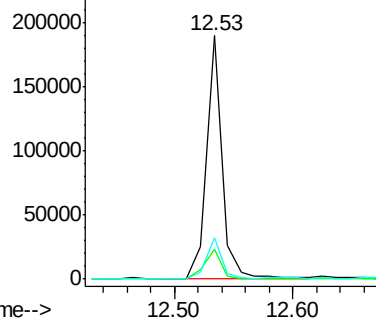


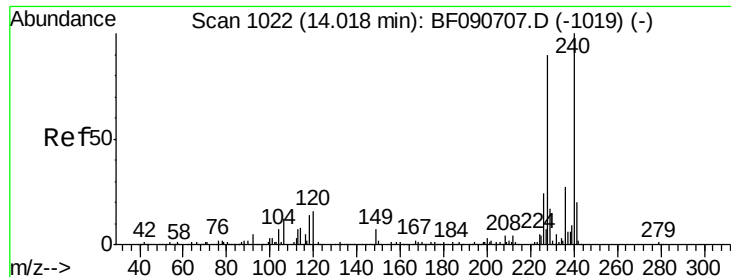
#74
Fluoranthene
Concen: 6.29 ng
RT: 12.53 min Scan# 914
Delta R.T. -0.00 min
Lab File: BF090827.D
Acq: 26 Oct 2016 00:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	12.3		0.0	38.3	
203	17.2		0.0	37.3	



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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.96 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BF090827.D

Acq: 26 Oct 2016 00:16

Instrument :

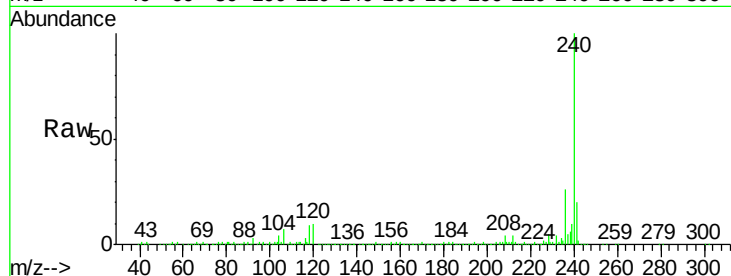
BNA_F

ClientSampleId :

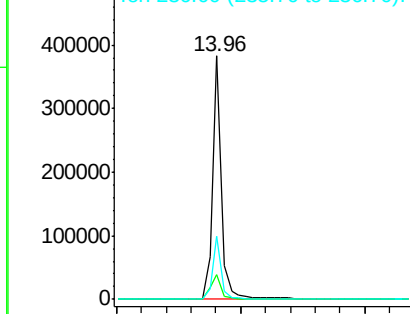
P2-S1

Tot Ion:	240	Resp:	377425
Ion Ratio	Lower	Upper	
240	100		
120	10.1	16.2	24.2#
236	26.1	18.4	27.6

Manual Integrations
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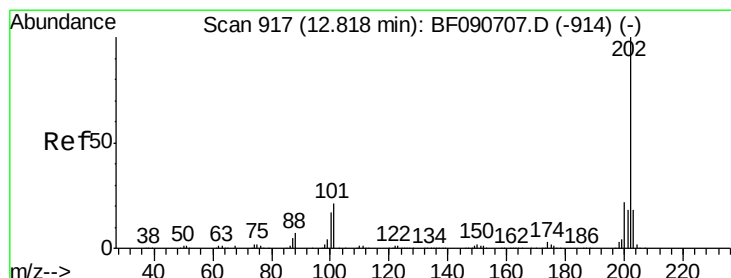
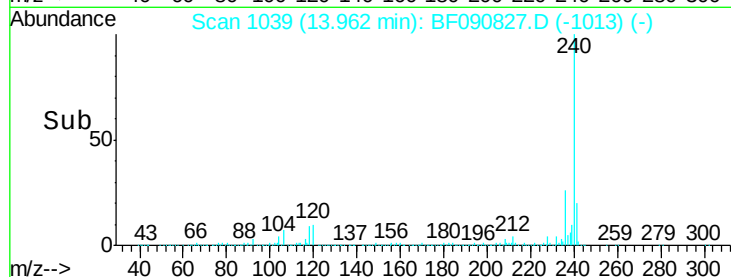


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



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#77

Pyrene

Concen: 5.76 ng

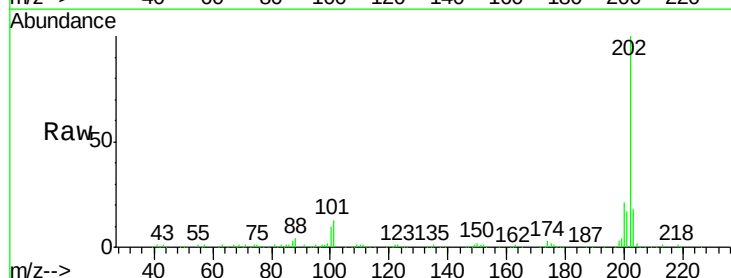
RT: 12.76 min Scan# 934

Delta R.T. -0.00 min

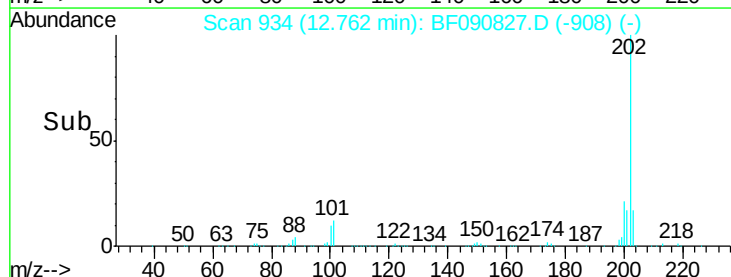
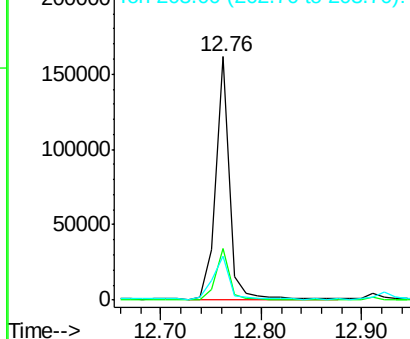
Lab File: BF090827.D

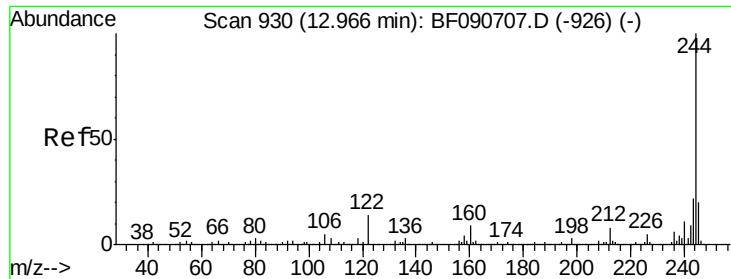
Acq: 26 Oct 2016 00:16

Tgt Ion:	202	Resp:	151816
Ion Ratio	Lower	Upper	
202	100		
200	21.1	15.0	22.4
203	17.8	14.1	21.1



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



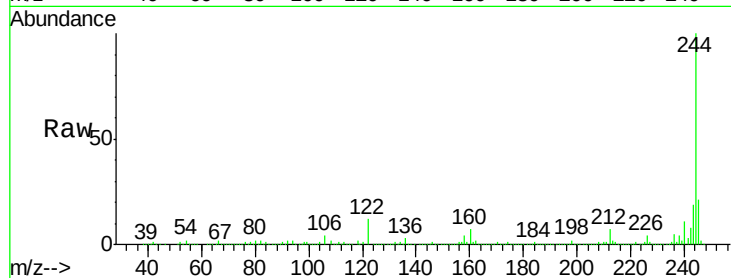


#78
 Terphenyl-d14
 Concen: 69.58 ng
 RT: 12.91 min Scan# 947
 Delta R.T. -0.01 min
 Lab File: BF090827.D
 Acq: 26 Oct 2016 00:16

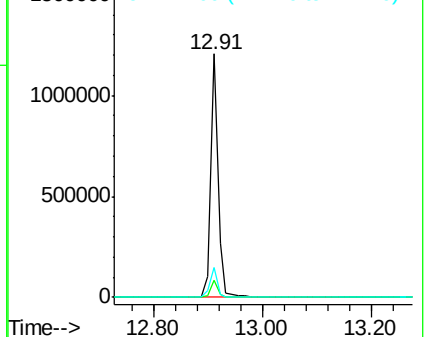
Instrument :
 BNA_F
 ClientSampleId :
 P2-S1

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	4.3	6.5#
122	12.4	17.4	26.2#

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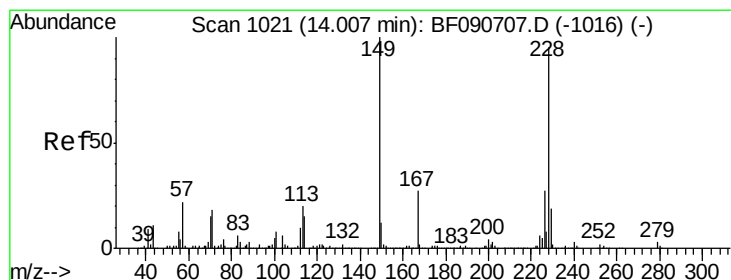
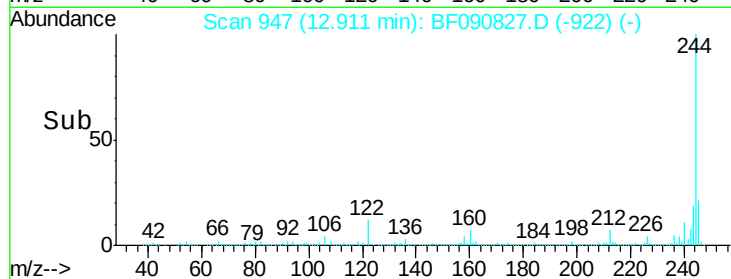


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



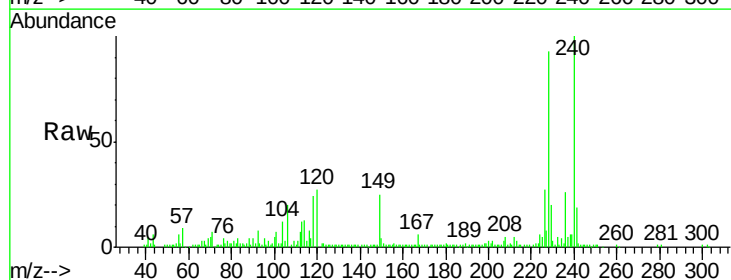
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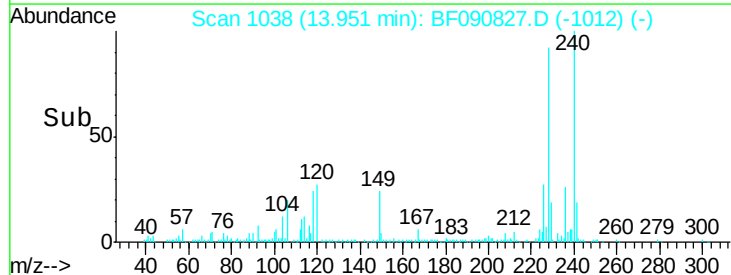
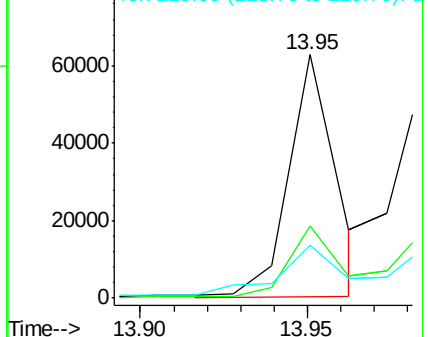


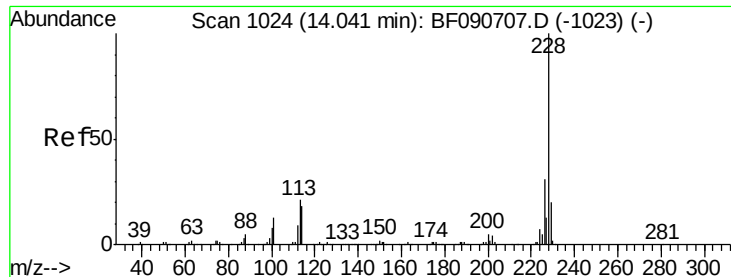
#80
 Benzo(a)anthracene
 Concen: 2.95 ng m
 RT: 13.95 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: BF090827.D
 Acq: 26 Oct 2016 00:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	20.0	30.0
229	21.6	15.4	23.2



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



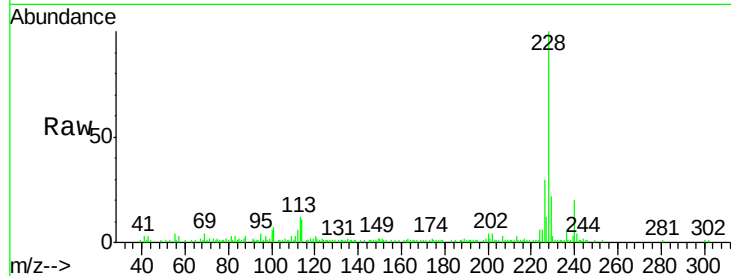


#82
Chrysene
Concen: 3.63 ng m
RT: 13.99 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF090827.D
Acq: 26 Oct 2016 00:16

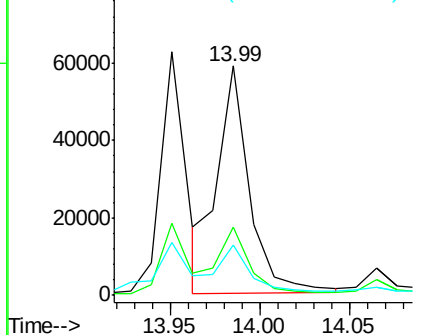
Instrument :
BNA_F
ClientSampleId :
P2-S1

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	21.0	31.4
229	22.2	15.6	23.4

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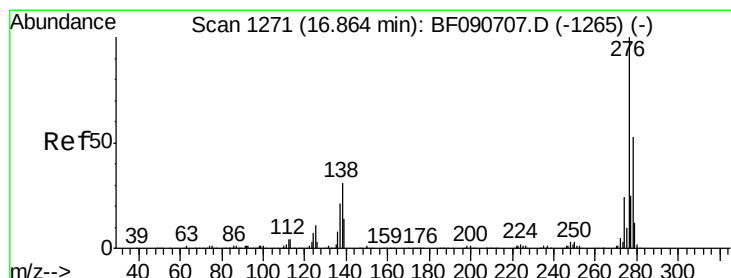
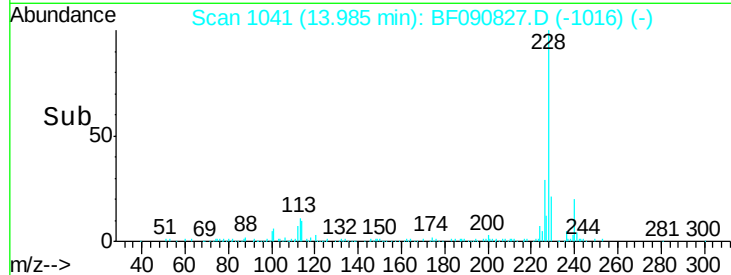


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



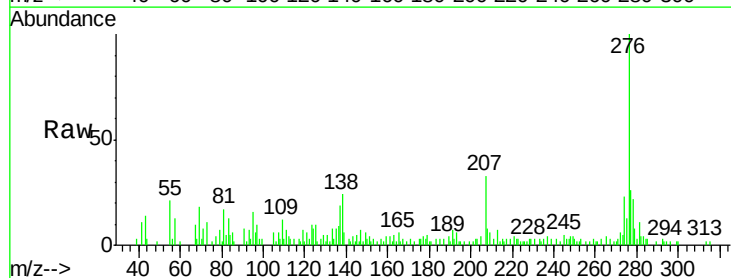
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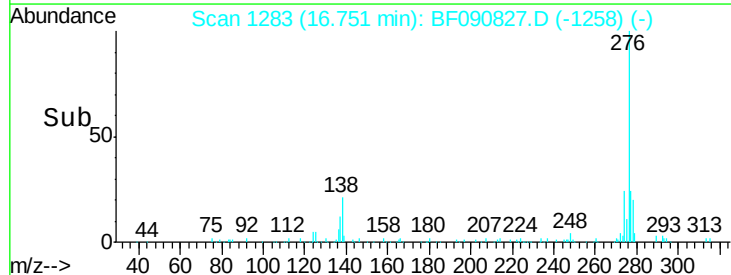
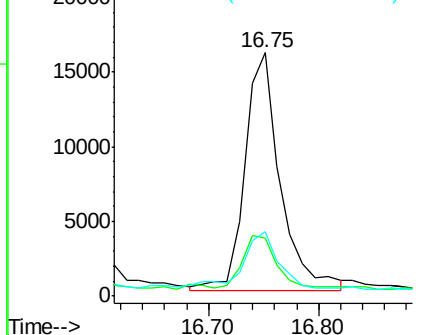


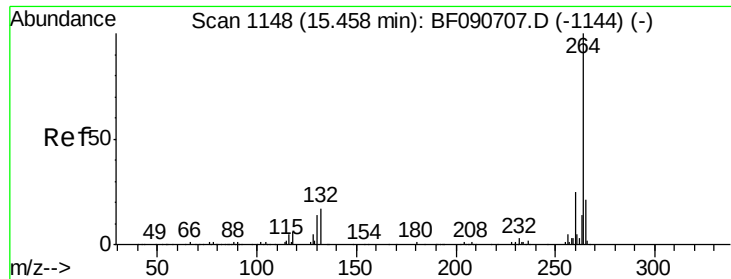
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.04 ng m
RT: 16.75 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF090827.D
Acq: 26 Oct 2016 00:16

Tgt Ion	Ratio	Lower	Upper
276	100		
138	6.5	25.7	38.5#
277	4.8	15.6	23.4#



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



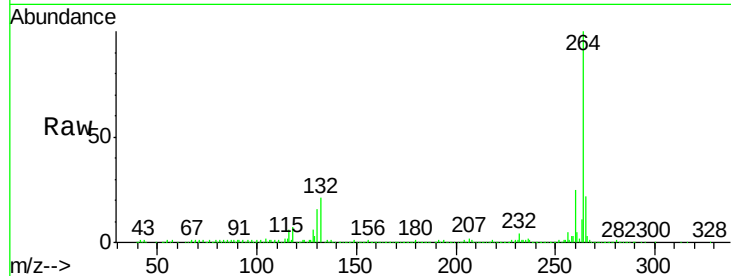


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.38 min Scan# 1163
Delta R.T. -0.00 min
Lab File: BF090827.D
Acq: 26 Oct 2016 00:16

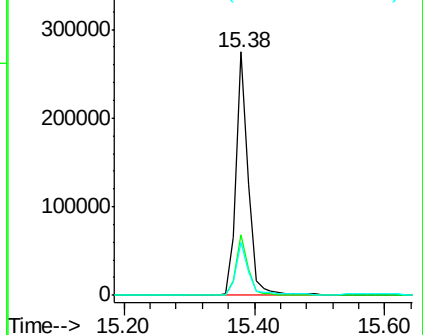
Instrument :
BNA_F
ClientSampled :
P2-S1

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	16.7	25.1
265	21.9	17.2	25.8

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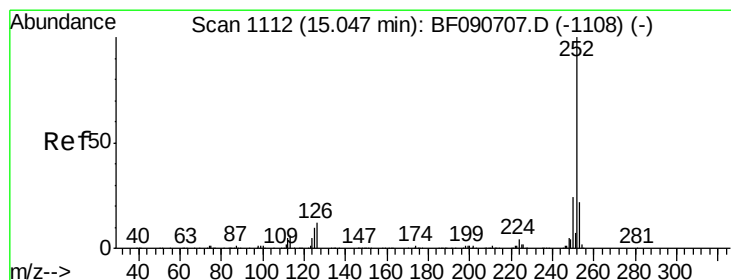
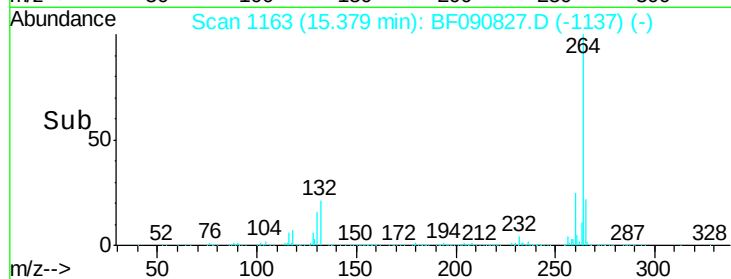


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



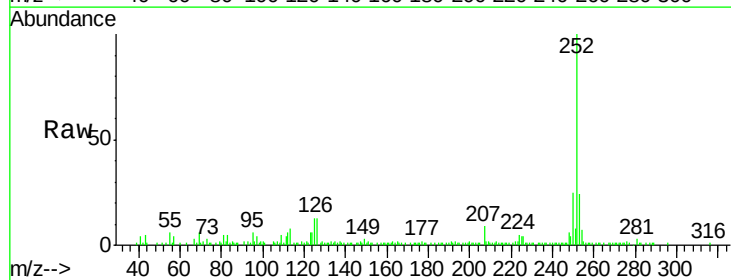
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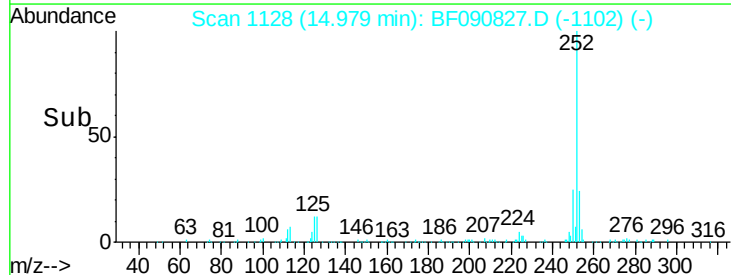
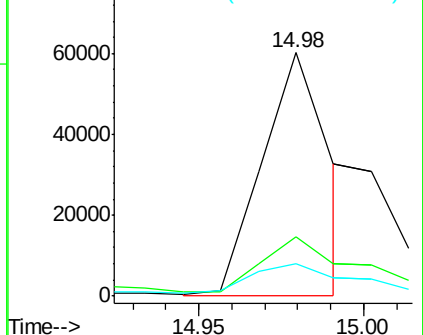


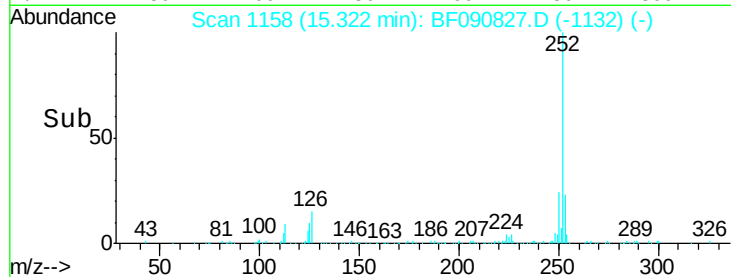
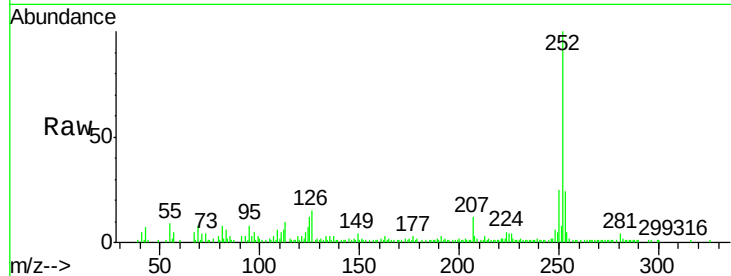
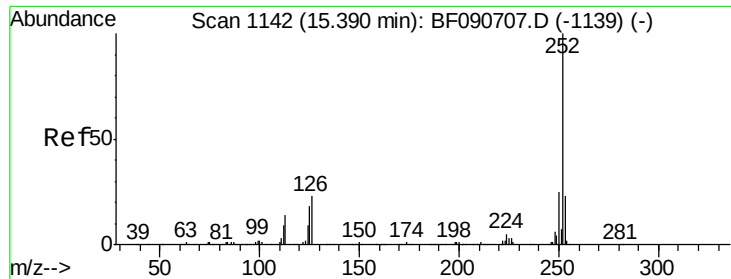
#87
Benzo(b)fluoranthene
Concen: 3.98 ng m
RT: 14.98 min Scan# 1128
Delta R.T. -0.00 min
Lab File: BF090827.D
Acq: 26 Oct 2016 00:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.5	26.3
125	13.5	17.1	25.7#



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: 2.81 ng

RT: 15.32 min Scan# 1158

Delta R.T. -0.00 min

Lab File: BF090827.D

Acq: 26 Oct 2016 00:16

Instrument :

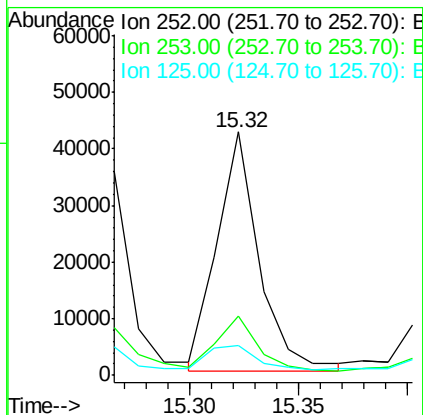
BNA_F

ClientSampleId :

P2-S1

Tot Ion:	252	Resp:	56889
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.2	25.8
125	12.4	18.0	27.0

Manual Integrations
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