

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031616\
 Data File : BF085496.D
 Acq On : 17 Mar 2016 7:36
 Operator : UM/SJ
 Sample : H1790-02
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GRID-8A-(0-10)

Manual Integrations
 APPROVED

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 3/17/2016 5:20:36 PM

Quant Time: Mar 17 07:28:55 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 15 18:57:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	72338	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	292698	20.00	ng	-0.02
38) Acenaphthene-d10	9.94	164	118665	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	192627	20.00	ng	-0.02
75) Chrysene-d12	14.06	240	127903	20.00	ng	-0.02
86) Perylene-d12	15.51	264	139580	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	1229671	292.21	ng	0.00
7) Phenol-d6	6.54	99	1603849	293.81	ng	-0.01
23) Nitrobenzene-d5	7.46	82	852318	172.17	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	335991	307.41	ng	-0.02
44) 2-Fluorobiphenyl	9.27	172	1638959	239.61	ng	-0.01
78) Terphenyl-d14	13.01	244	957268	169.31	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.66	163	326848	37.75	ng	Qvalue 99
70) Phenanthrene	11.44	178	24341	2.43	ng	98
74) Fluoranthene	12.63	202	51650	5.48	ng	96
77) Pyrene	12.86	202	52166	5.44	ng	97
80) Benzo(a)anthracene	14.05	228	31618	4.31	ng	# 91
82) Chrysene	14.08	228	39289m	5.96	ng	
85) Indeno(1,2,3-cd)pyrene	16.93	276	26755	4.28	ng	97
87) Benzo(b)fluoranthene	15.09	252	68018m	7.46	ng	
88) Benzo(k)fluoranthene	15.10	252	21845m	3.06	ng	
89) Benzo(a)pyrene	15.44	252	29666	3.77	ng	# 94
91) Benzo(g,h,i)perylene	17.36	276	22559	2.87	ng	97

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

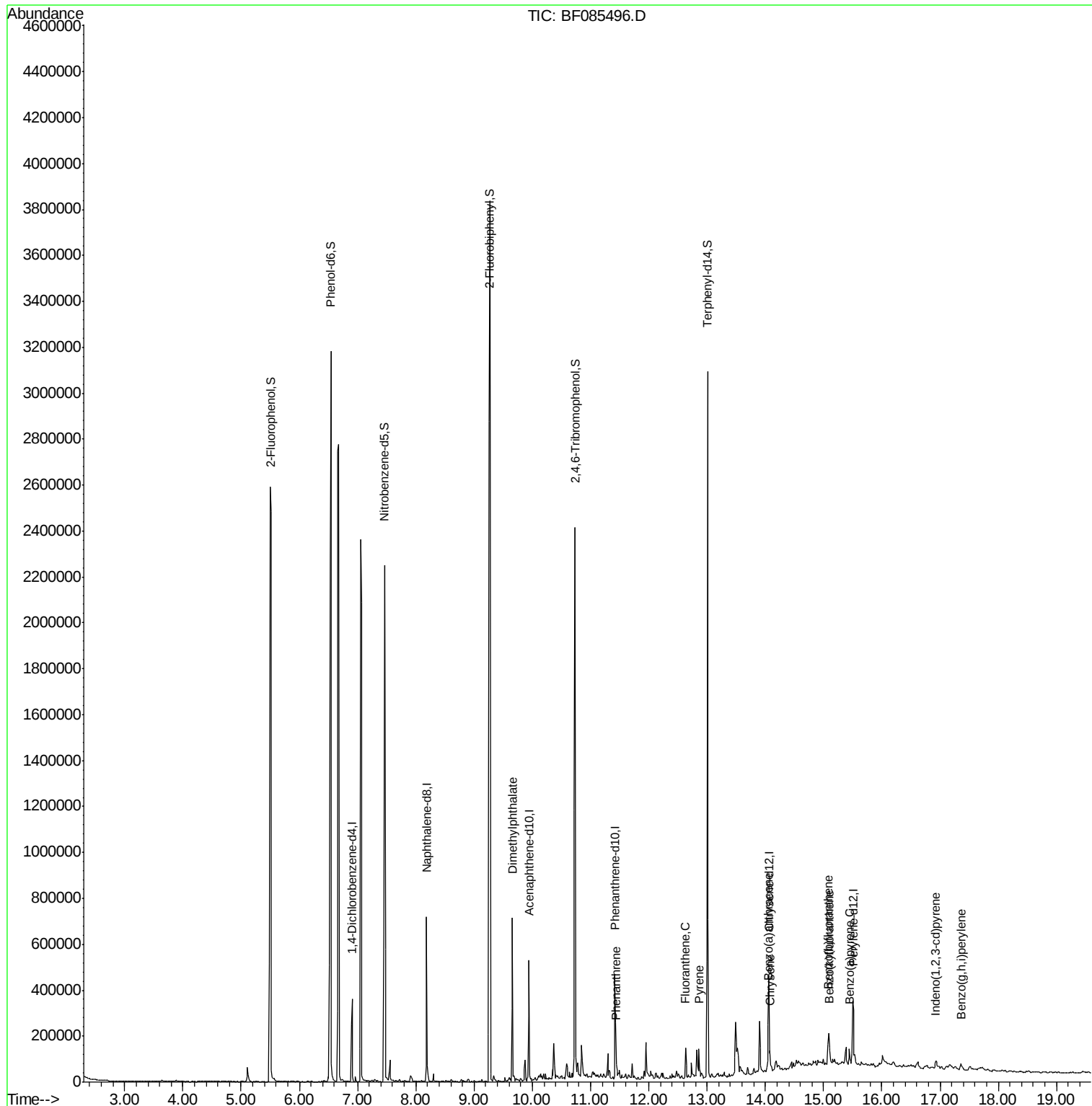
Data Path : Z:\HPCHEM1\BNA F\DATA\BF031616\
Data File : BF085496.D
Acq On : 17 Mar 2016 7:36
Operator : UM/SJ
Sample : H1790-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

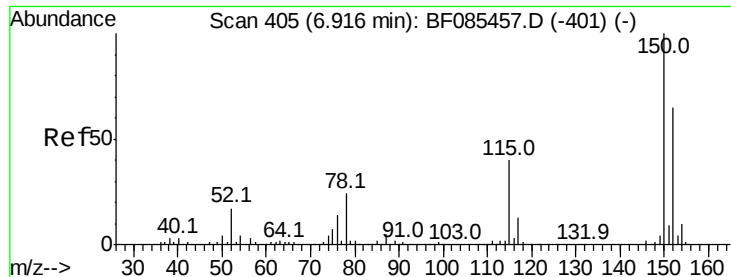
Instrument :
BNA_F
ClientSampleId :
GRID-8A-(0-10)

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#1

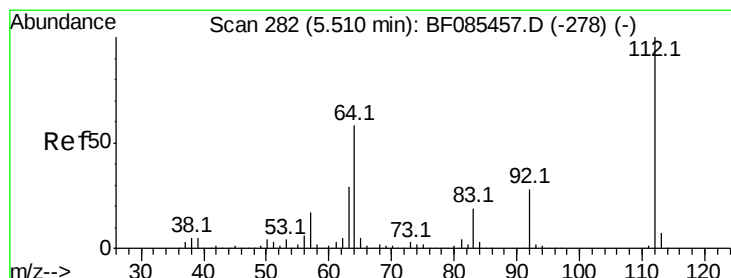
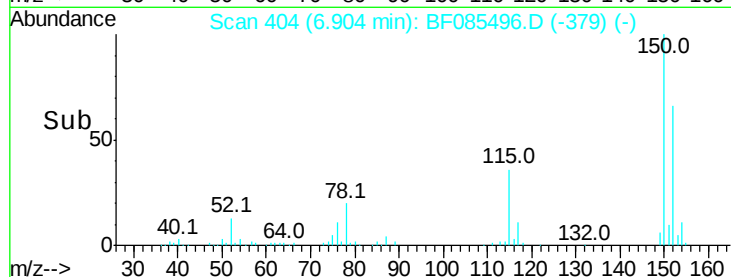
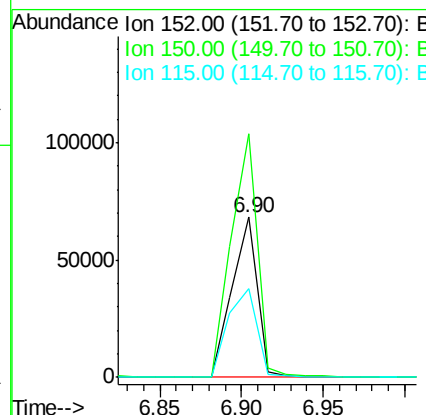
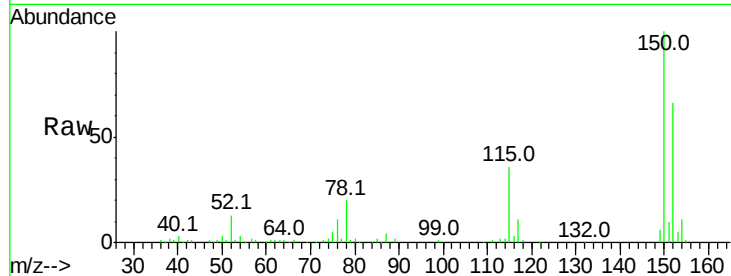
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 404
Delta R.T. -0.01 min
Lab File: BF085496.D
Acq: 17 Mar 2016 7:36

Instrument :
BNA_F
ClientSampleId :
GRID-8A-(0-10)

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.3	124.6	186.8
115	55.2	46.6	70.0

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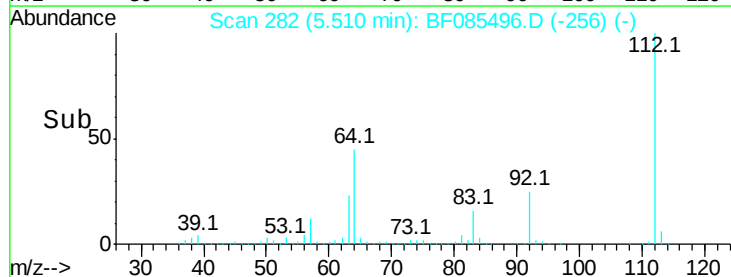
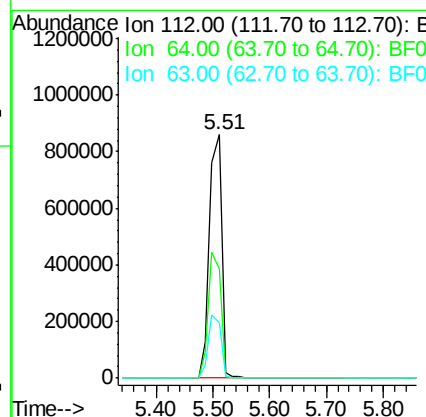
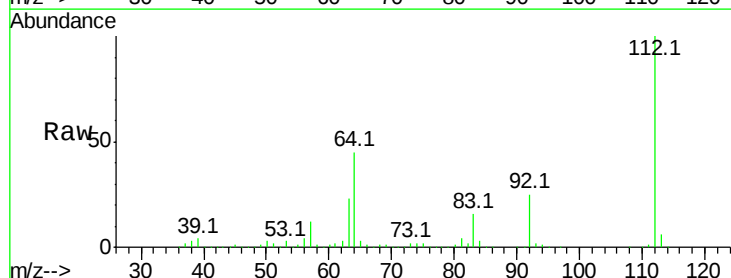
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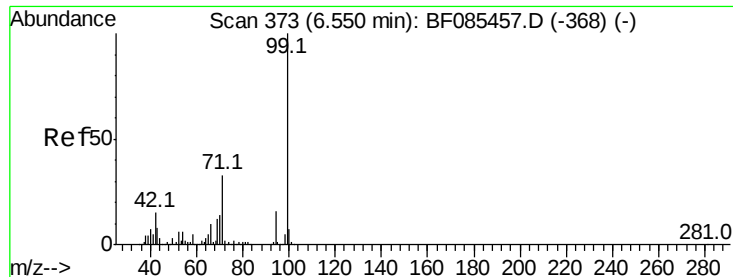


#5

2-Fluorophenol
Concen: 292.21 ng
RT: 5.51 min Scan# 282
Delta R.T. -0.00 min
Lab File: BF085496.D
Acq: 17 Mar 2016 7:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	44.6	49.0	73.4#
63	22.6	24.8	37.2#





#7

Phenol-d6

Concen: 293.81 ng

RT: 6.54 min Scan# 372

Delta R.T. -0.01 min

Lab File: BF085496.D

Acq: 17 Mar 2016 7:36

Instrument :

BNA_F

ClientSampleId :

GRID-8A-(0-10)

Tot Ion: 99 Resp: 1603849

Ion Ratio Lower Upper

99 100

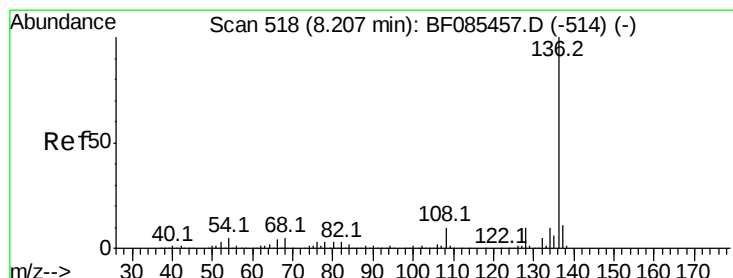
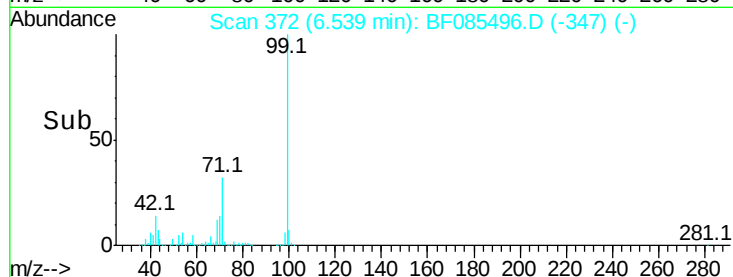
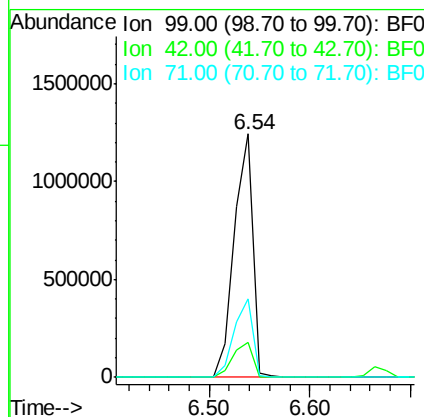
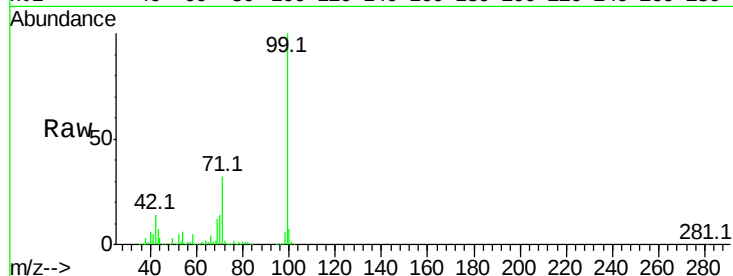
42 14.3 13.6 20.4

71 32.1 26.7 40.1

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 516

Delta R.T. -0.02 min

Lab File: BF085496.D

Acq: 17 Mar 2016 7:36

Tgt Ion: 136 Resp: 292698

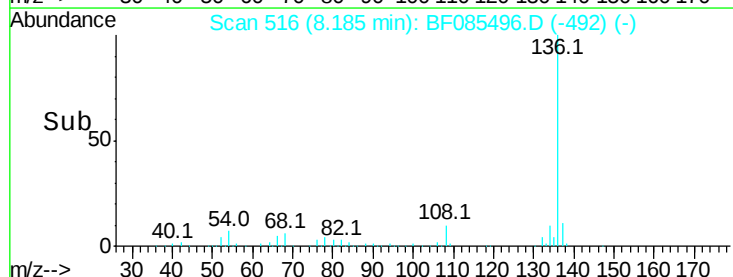
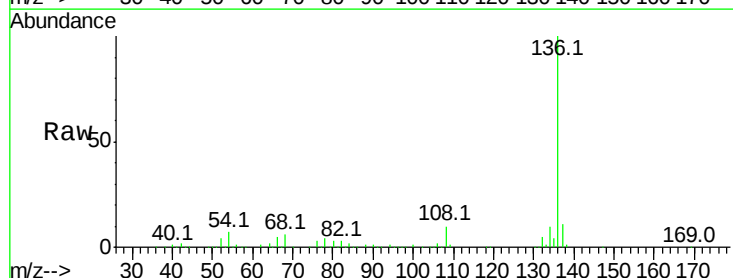
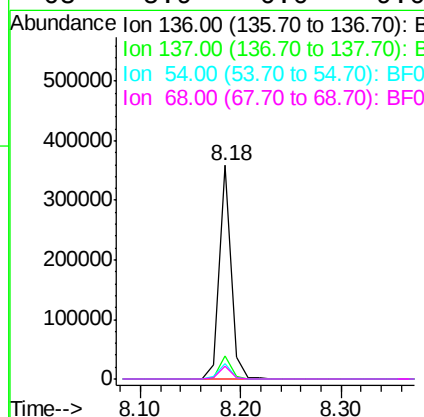
Ion Ratio Lower Upper

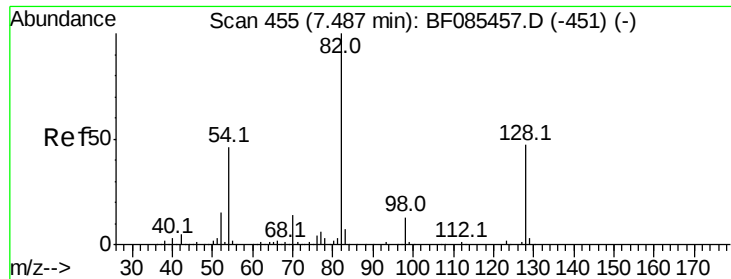
136 100

137 11.0 9.3 13.9

54 6.9 7.4 11.2#

68 5.9 6.0 9.0#





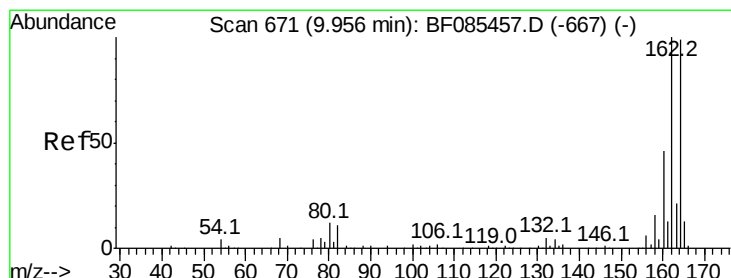
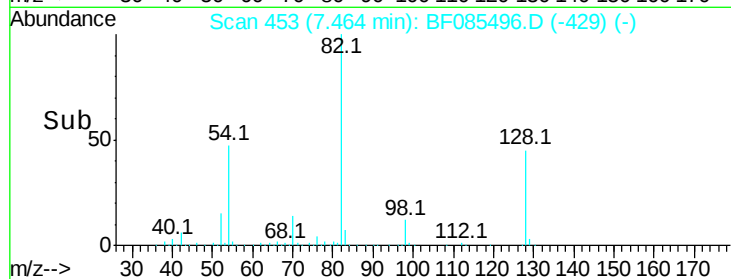
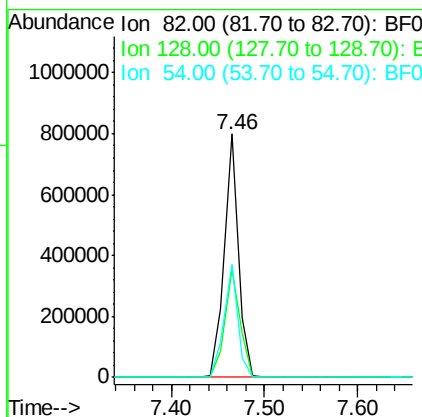
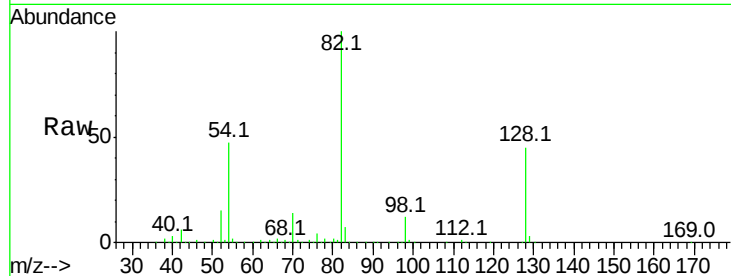
#23
Nitrobenzene-d5
Concen: 172.17 ng
RT: 7.46 min Scan# 453
Delta R.T. -0.02 min
Lab File: BF085496.D
Acq: 17 Mar 2016 7:36

Instrument :
BNA_F
ClientSampled :
GRID-8A-(0-10)

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.5	34.5	51.7
54	46.6	39.3	58.9

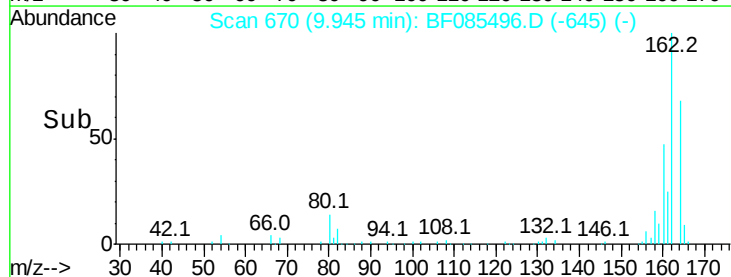
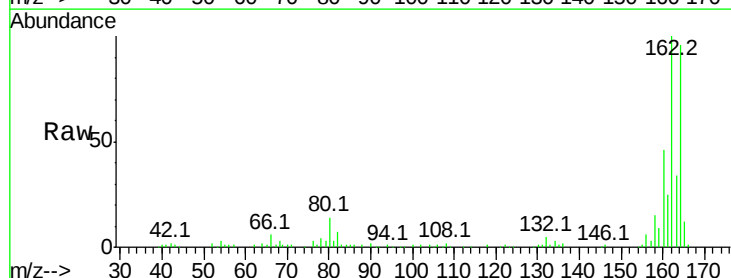
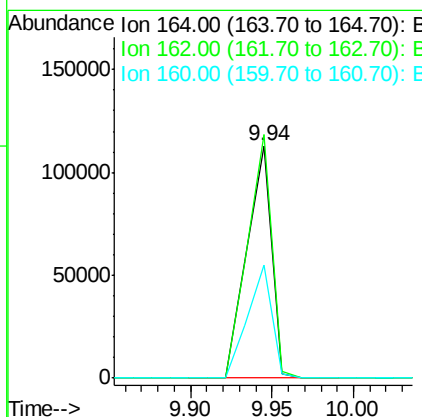
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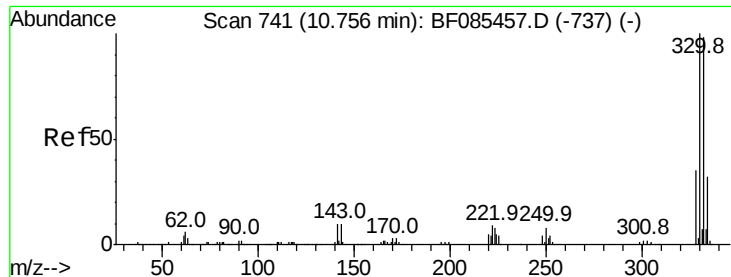
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.94 min Scan# 670
Delta R.T. -0.01 min
Lab File: BF085496.D
Acq: 17 Mar 2016 7:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.7	83.3	124.9
160	48.6	37.9	56.9





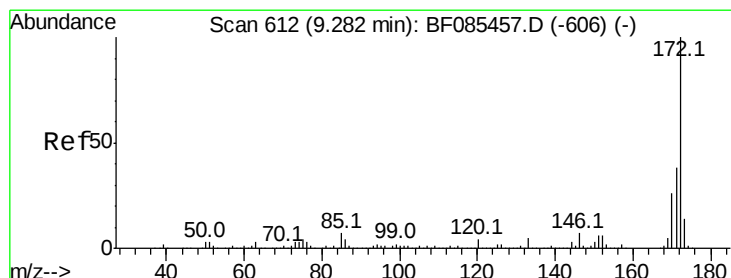
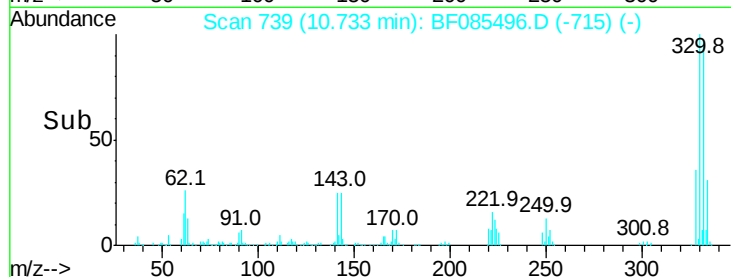
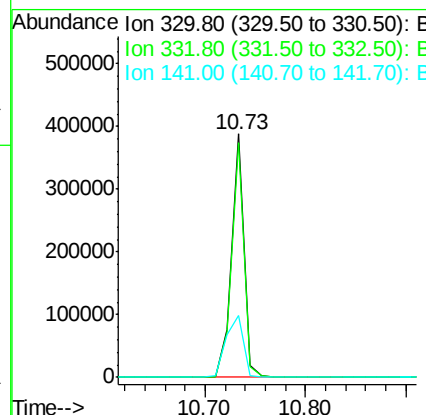
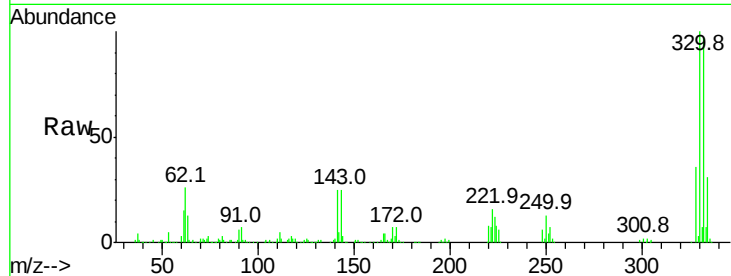
#41
 2,4,6-Tribromophenol
 Concen: 307.41 ng
 RT: 10.73 min Scan# 739
 Delta R.T. -0.02 min
 Lab File: BF085496.D
 Acq: 17 Mar 2016 7:36

Instrument :
 BNA_F
 ClientSampleId :
 GRID-8A-(0-10)

Tot Ion:	330	Resp:	335991
Ion Ratio	Lower	Upper	
330	100		
332	96.4	77.1	115.7
141	36.4	35.0	52.6

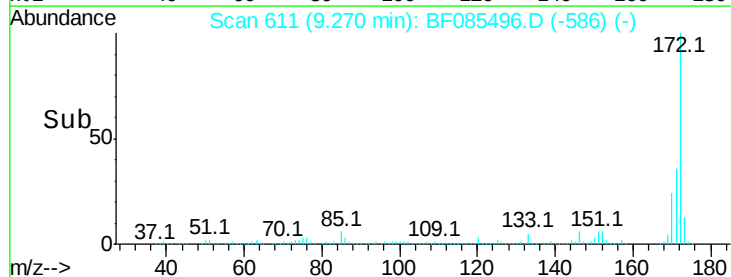
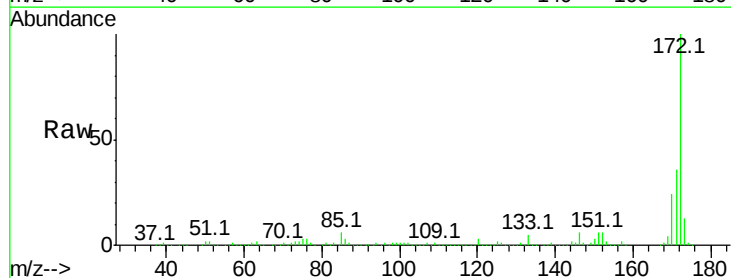
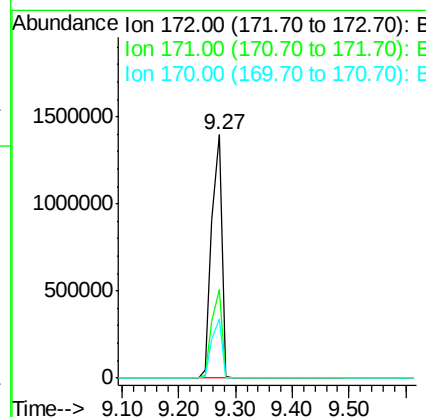
Manual Integrations
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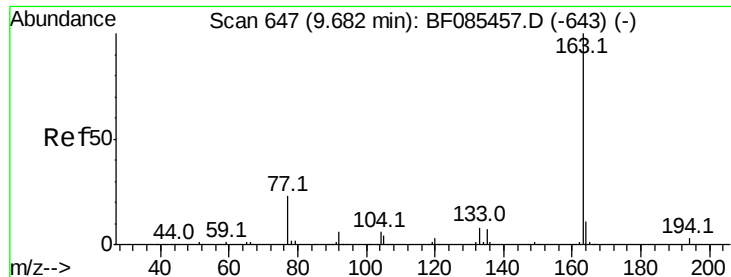
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#44
 2-Fluorobiphenyl
 Concen: 239.61 ng
 RT: 9.27 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: BF085496.D
 Acq: 17 Mar 2016 7:36

Tgt Ion:	172	Resp:	1638959
Ion Ratio	Lower	Upper	
172	100		
171	36.4	29.3	43.9
170	24.4	20.0	30.0





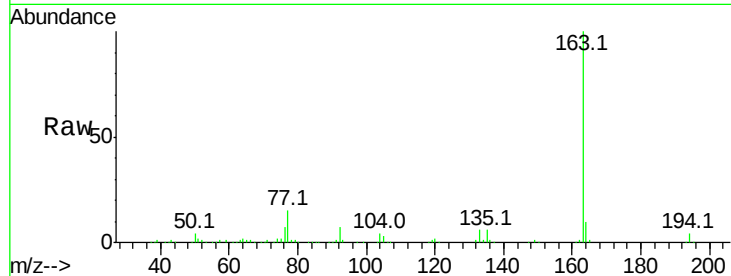
#49
Dimethylphthalate
Concen: 37.75 ng
RT: 9.66 min Scan# 645
Delta R.T. -0.02 min
Lab File: BF085496.D
Acq: 17 Mar 2016 7:36

Instrument :
BNA_F
ClientSampleId :
GRID-8A-(0-10)

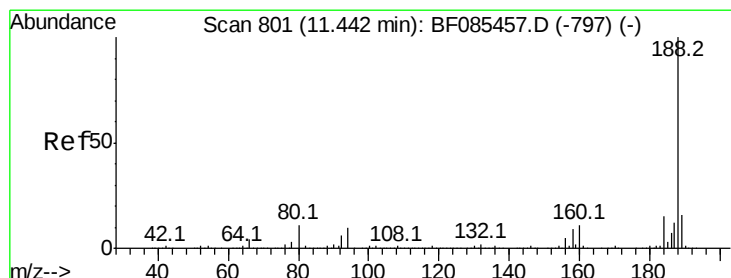
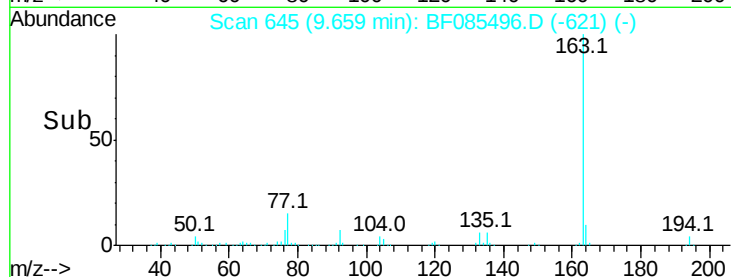
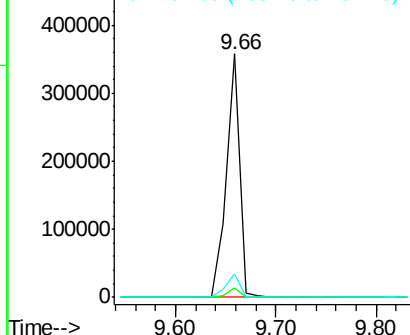
Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.7	3.1	4.7
164	9.7	8.2	12.4

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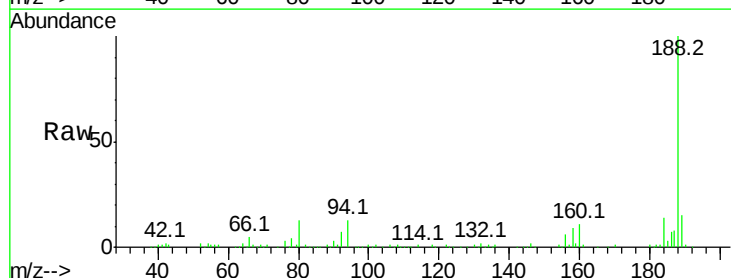


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

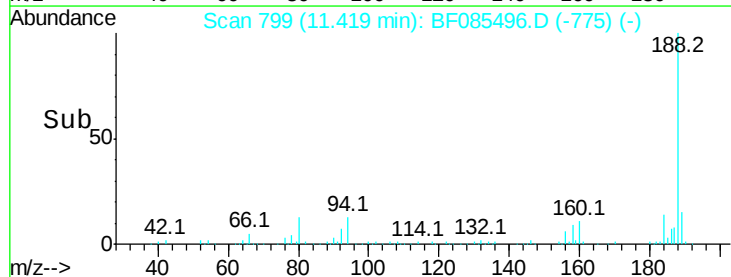
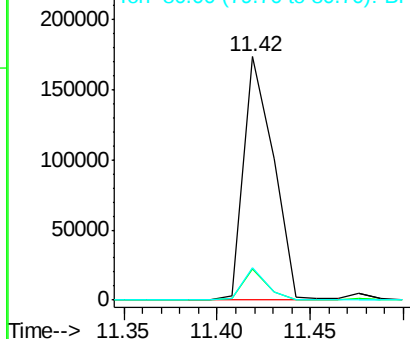


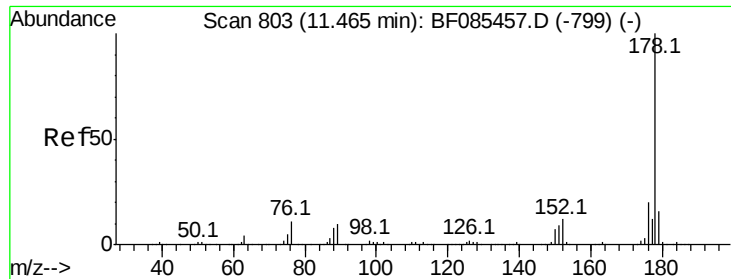
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 799
Delta R.T. -0.02 min
Lab File: BF085496.D
Acq: 17 Mar 2016 7:36

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	12.6	7.0	10.6#
80	13.2	7.4	11.0#



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: 2.43 ng

RT: 11.44 min Scan# 801

Delta R.T. -0.02 min

Lab File: BF085496.D

Acq: 17 Mar 2016 7:36

Instrument :

BNA_F

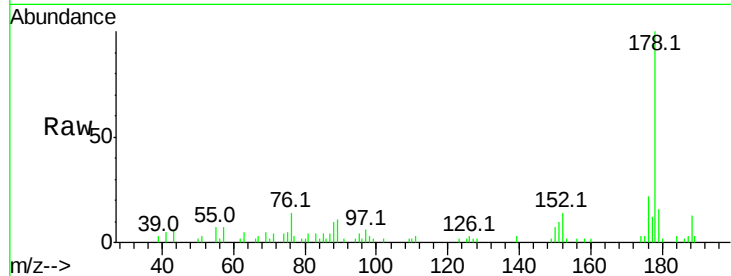
ClientSampleId :

GRID-8A-(0-10)

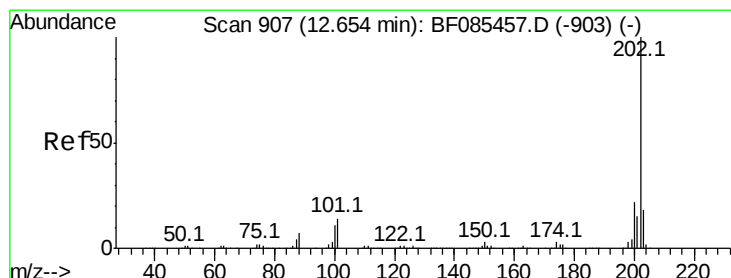
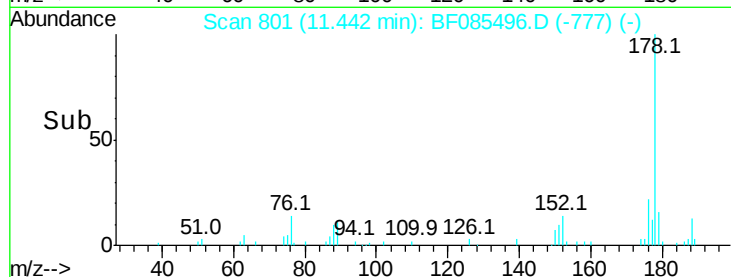
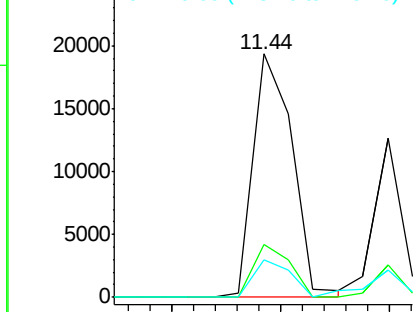
Tot Ion:	178	Resp:	24341
Ion Ratio	Lower	Upper	
178	100		
176	21.7	16.8	25.2
179	15.5	13.1	19.7

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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



#74

Fluoranthene

Concen: 5.48 ng

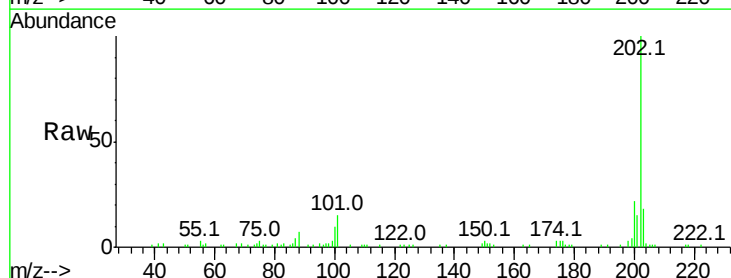
RT: 12.63 min Scan# 905

Delta R.T. -0.02 min

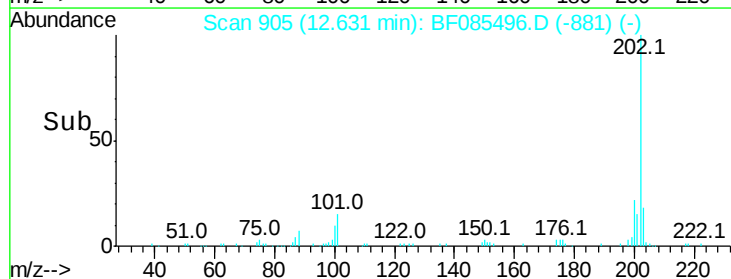
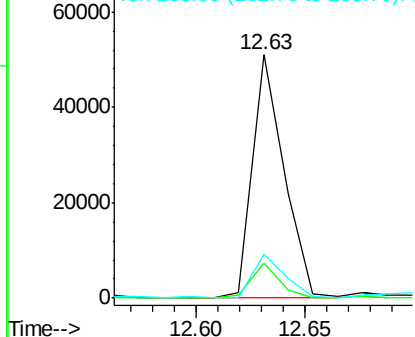
Lab File: BF085496.D

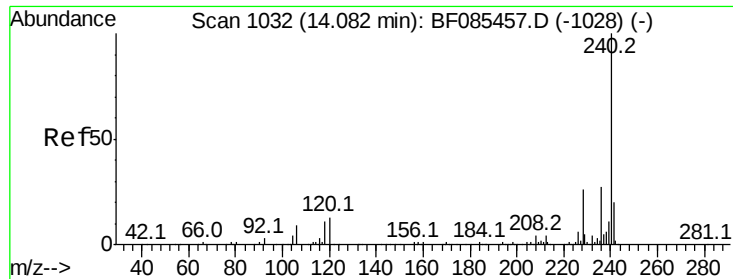
Acq: 17 Mar 2016 7:36

Tgt Ion:	202	Resp:	51650
Ion Ratio	Lower	Upper	
202	100		
101	14.5	0.0	31.8
203	17.8	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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.06 min Scan# 1030

Delta R.T. -0.02 min

Lab File: BF085496.D

Acq: 17 Mar 2016 7:36

Instrument :

BNA_F

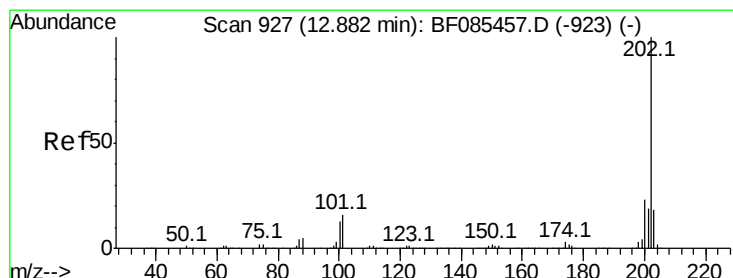
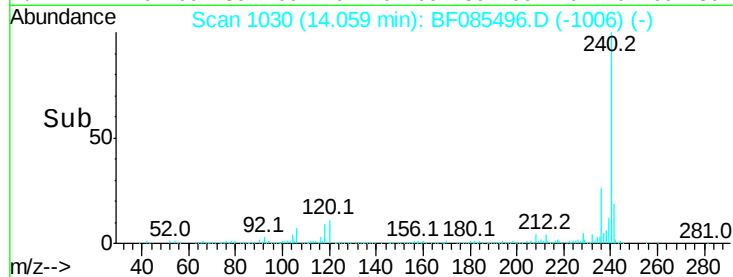
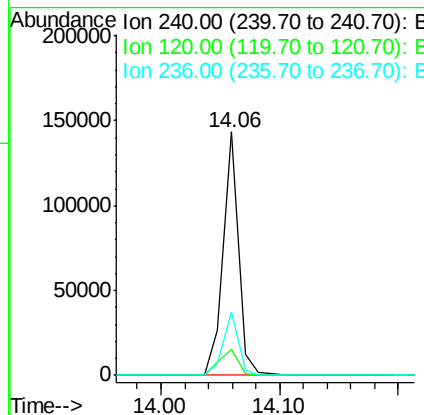
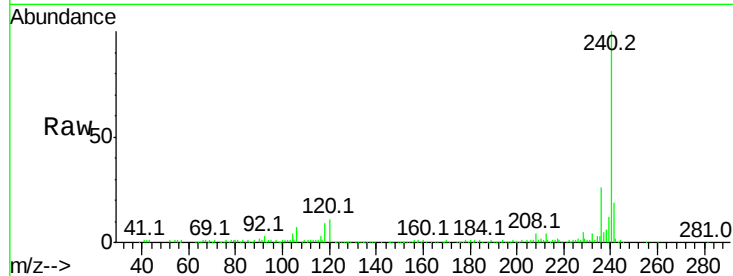
ClientSampleId :

GRID-8A-(0-10)

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	10.8	5.3	7.9#	
236	25.9	20.7	31.1	

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#77

Pyrene

Concen: 5.44 ng

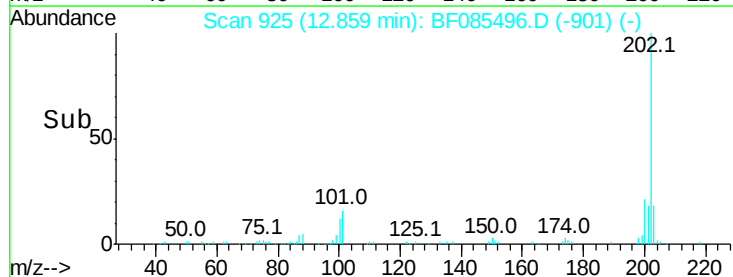
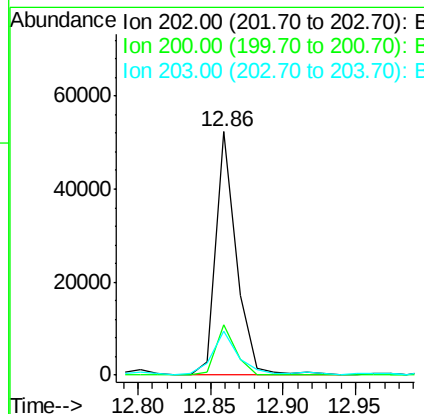
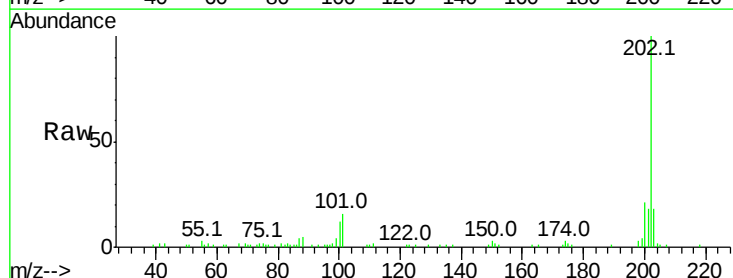
RT: 12.86 min Scan# 925

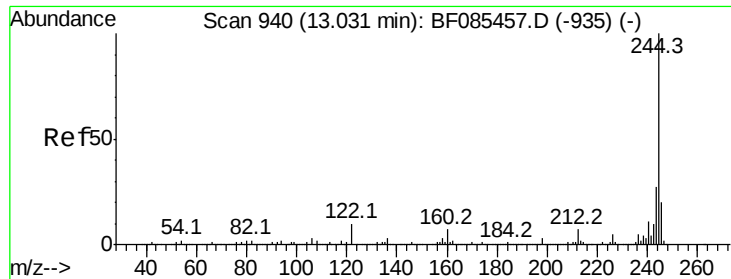
Delta R.T. -0.02 min

Lab File: BF085496.D

Acq: 17 Mar 2016 7:36

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.5	18.2	27.4	
203	18.0	14.7	22.1	





#78

Terphenyl-d14

Concen: 169.31 ng

RT: 13.01 min Scan# 938

Delta R.T. -0.02 min

Lab File: BF085496.D

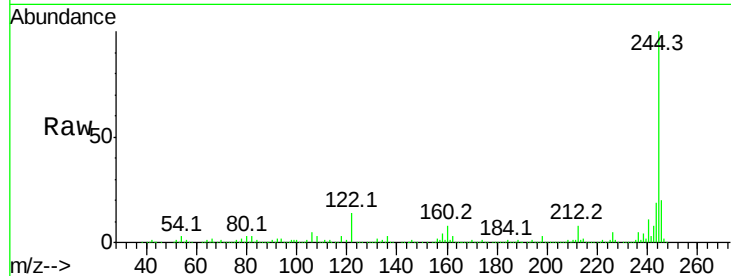
Acq: 17 Mar 2016 7:36

Instrument :

BNA_F

ClientSampleId :

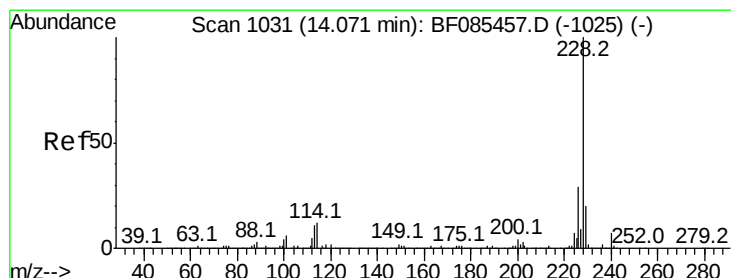
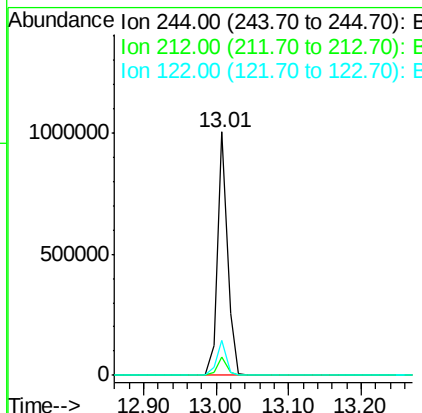
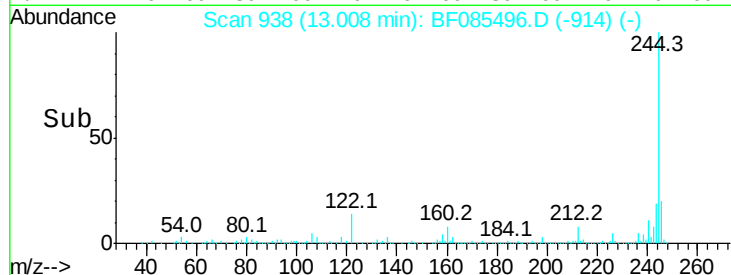
GRID-8A-(0-10)



Tot Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.4	9.6
122	14.4	11.4	17.2

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#80

Benzo(a)anthracene

Concen: 4.31 ng

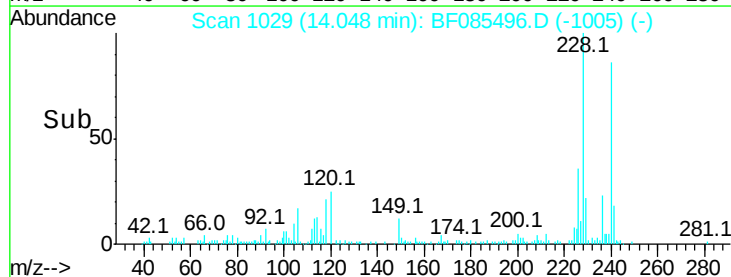
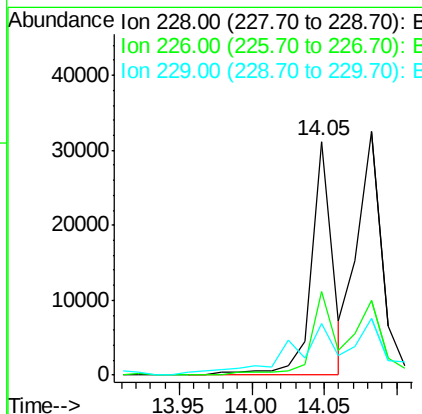
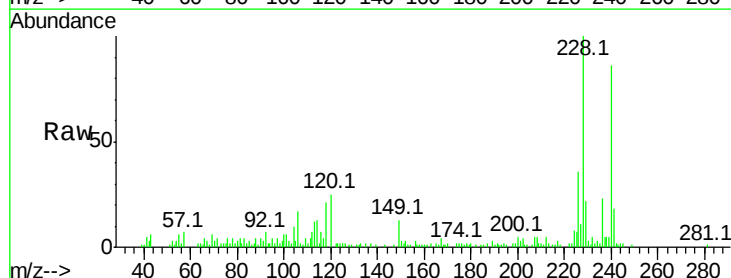
RT: 14.05 min Scan# 1029

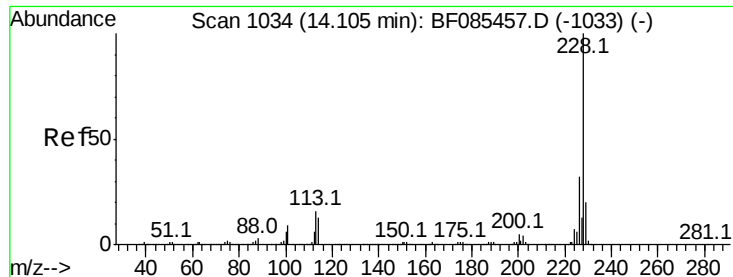
Delta R.T. -0.02 min

Lab File: BF085496.D

Acq: 17 Mar 2016 7:36

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.8	22.8	34.2#
229	22.4	16.6	24.8





#82

Chrysene

Concen: 5.96 ng/mL

RT: 14.08 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF085496.D

Acq: 17 Mar 2016 7:36

Instrument :

BNA_F

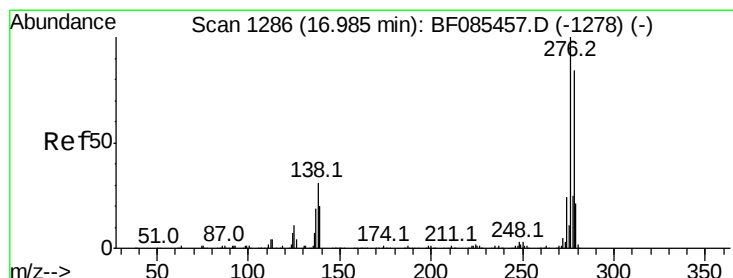
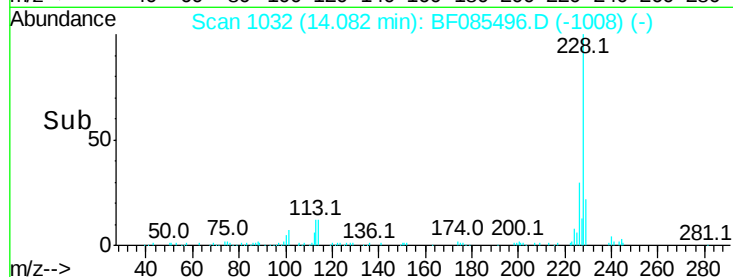
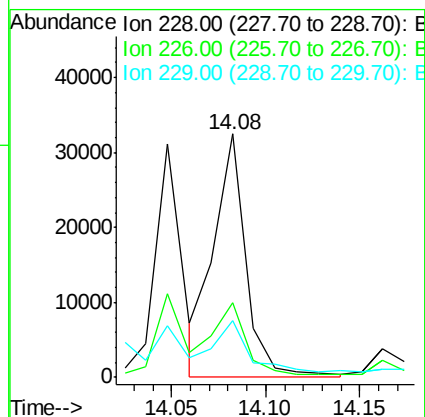
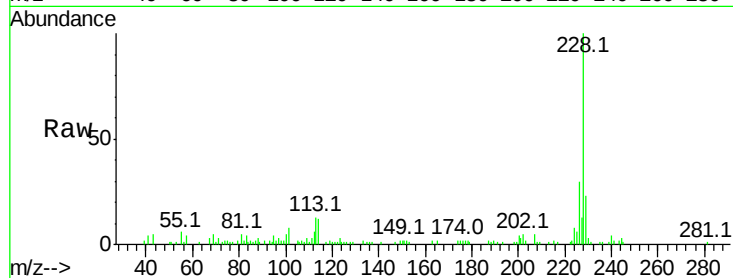
ClientSampleId :

GRID-8A-(0-10)

Tot Ion:	228	Resp:	39289
Ion Ratio	Lower	Upper	
228	100		
226	30.4	25.2	37.8
229	23.3	16.0	24.0

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#85

Indeno(1,2,3-cd)pyrene

Concen: 4.28 ng/mL

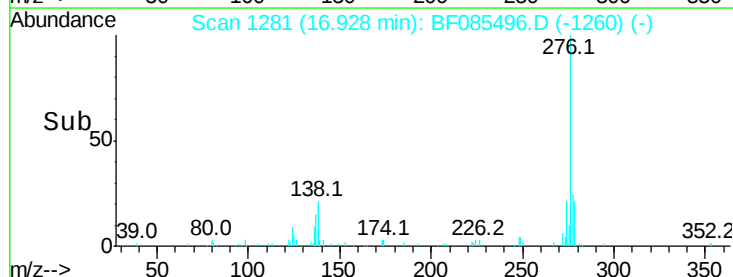
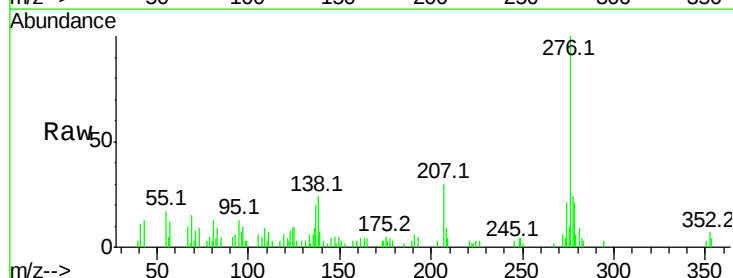
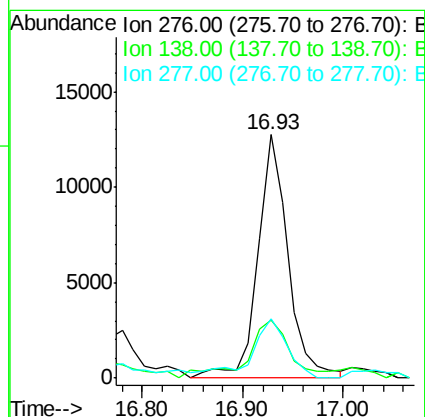
RT: 16.93 min Scan# 1281

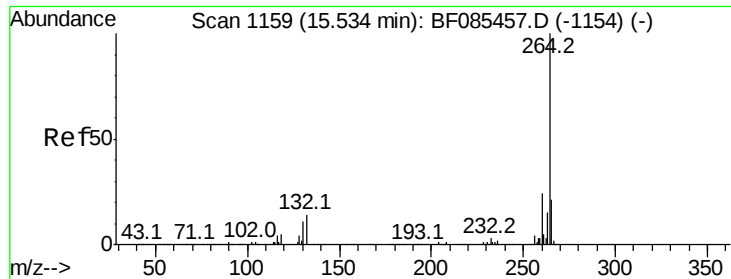
Delta R.T. -0.06 min

Lab File: BF085496.D

Acq: 17 Mar 2016 7:36

Tgt Ion:	276	Resp:	26755
Ion Ratio	Lower	Upper	
276	100		
138	33.2	26.4	39.6
277	29.0	20.2	30.2





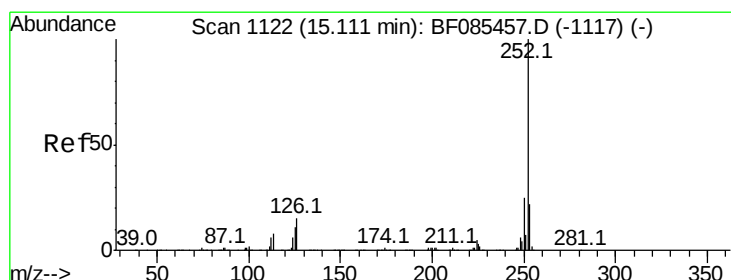
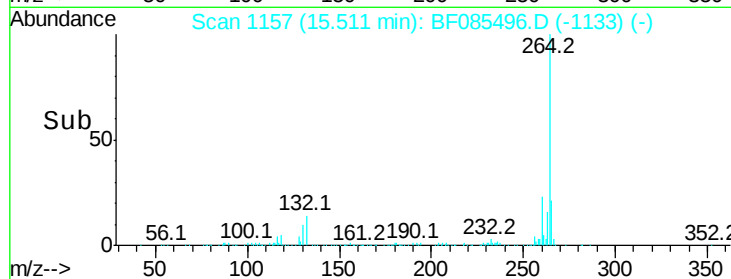
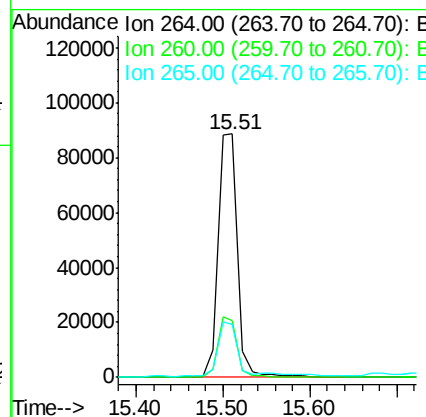
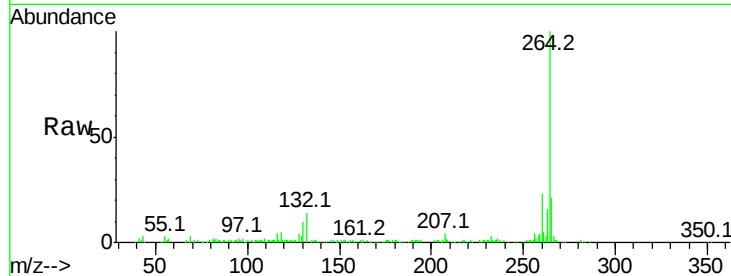
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 1157
Delta R.T. -0.02 min
Lab File: BF085496.D
Acq: 17 Mar 2016 7:36

Instrument :
BNA_F
ClientSampleId :
GRID-8A-(0-10)

Tot Ion:	264	Resp:	139580
Ion Ratio		Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.5	17.3	25.9

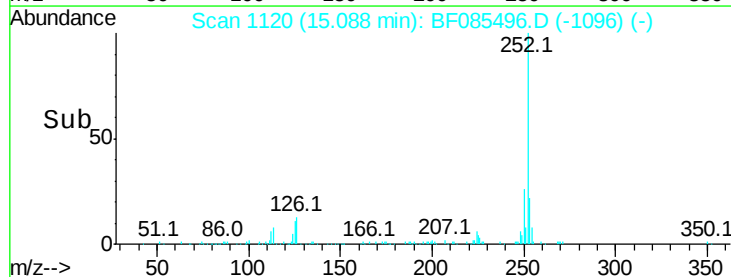
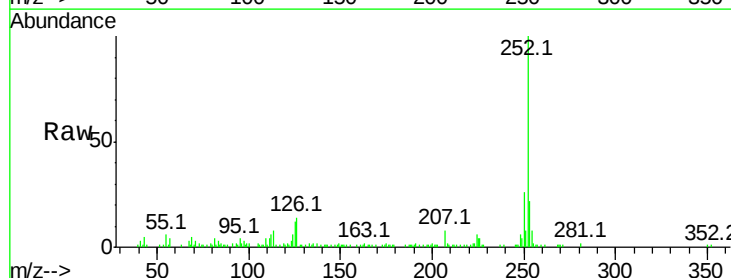
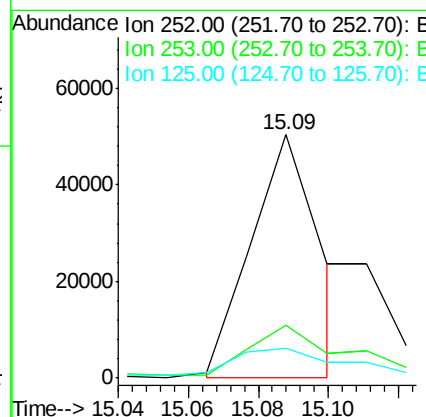
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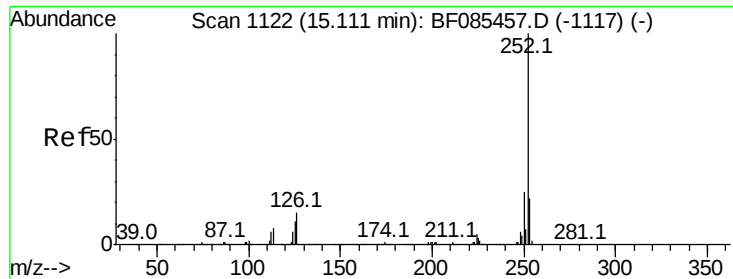
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#87
Benzo(b)fluoranthene
Concen: 7.46 ng m
RT: 15.09 min Scan# 1120
Delta R.T. -0.02 min
Lab File: BF085496.D
Acq: 17 Mar 2016 7:36

Tgt Ion:	252	Resp:	68018
Ion Ratio		Lower	Upper
252	100		
253	21.7	17.8	26.6
125	12.5	11.3	16.9





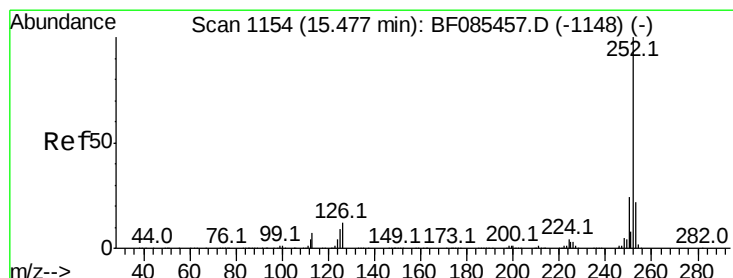
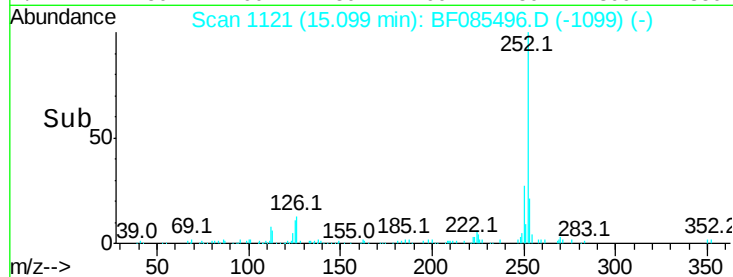
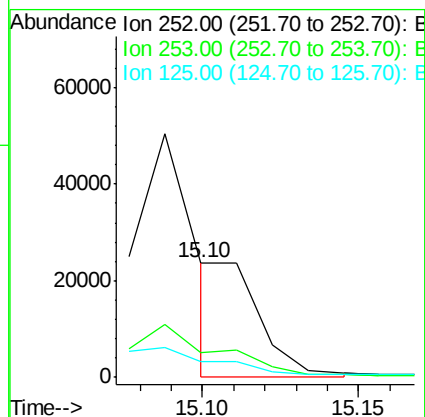
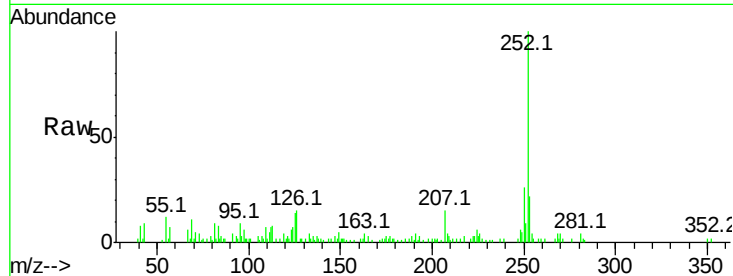
#88
Benzo(k)fluoranthene
Concen: 3.06 ng m
RT: 15.10 min Scan# 1121
Delta R.T. -0.05 min
Lab File: BF085496.D
Acq: 17 Mar 2016 7:36

Instrument :
BNA_F
ClientSampleId :
GRID-8A-(0-10)

Tot Ion	Ratio	Resp	Lower	Upper
252	100	21845		
253	22.0		17.8	26.6
125	14.2		10.4	15.6

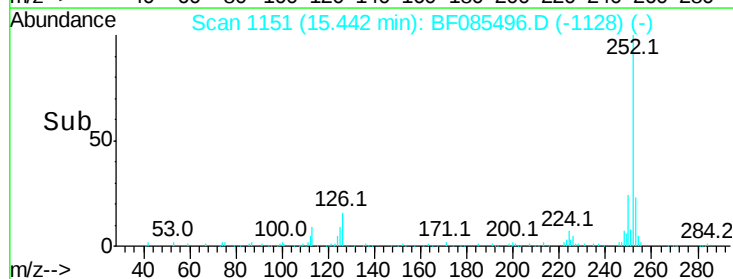
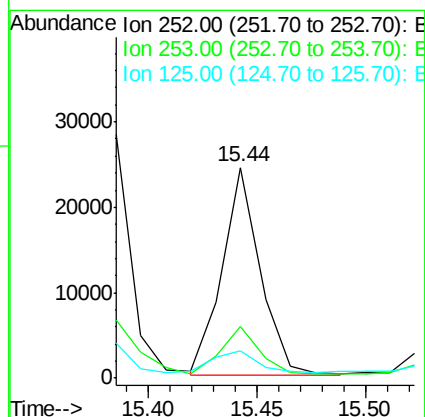
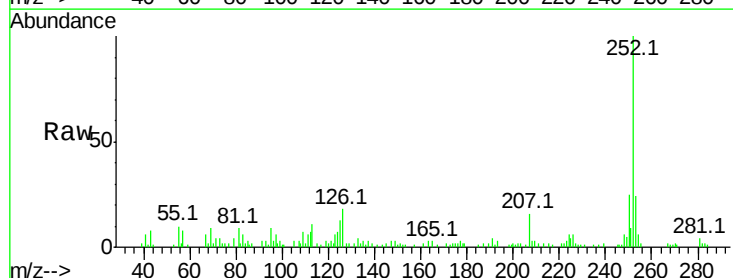
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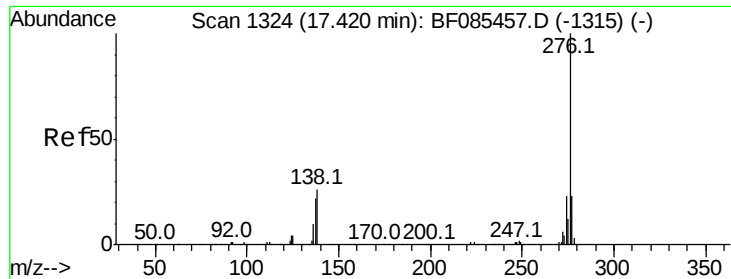
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#89
Benzo(a)pyrene
Concen: 3.77 ng
RT: 15.44 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BF085496.D
Acq: 17 Mar 2016 7:36

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	29666		
253	24.5		17.4	26.0
125	13.1		8.2	12.4#





#91
 Benzo(a,h,i)perylene
 Concen: 2.87 ng
 RT: 17.36 min Scan# 1319
 Delta R.T. -0.06 min
 Lab File: BF085496.D
 Acq: 17 Mar 2016 7:36

Instrument :
 BNA_F
 ClientSampleId :
 GRID-8A-(0-10)

Tot Ion:	276	Resp:	22559
Ion Ratio	Lower	Upper	
276	100		
277	23.4	19.0	28.4
138	25.2	22.5	33.7

Manual Integrations
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