

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070716\
 Data File : BF088797.D
 Acq On : 8 Jul 2016 00:05
 Operator : UM/SJ
 Sample : H3889-12 20X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-12

Manual Integrations

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 7/8/2016 7:04:15 AM

Quant Time: Jul 08 03:33:53 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 08 01:56:42 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	91998	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	322667	20.00	ng	-0.01
38) Acenaphthene-d10	9.78	164	131929	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	208601	20.00	ng	0.00
75) Chrysene-d12	13.89	240	188416	20.00	ng	0.00
86) Perylene-d12	15.27	264	151682	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	16872	2.75	ng	0.00
7) Phenol-d6	6.36	99	23506	2.96	ng	-0.02
23) Nitrobenzene-d5	7.30	82	13086	2.13	ng	-0.01
41) 2,4,6-Tribromophenol	10.56	330	2797	2.28	ng	-0.01
44) 2-Fluorobiphenyl	9.11	172	22516	2.70	ng	0.00
78) Terphenyl-d14	12.83	244	15790	1.87	ng	-0.01
Target Compounds						Qvalue
70) Phenanthrene	11.28	178	34267	3.01	ng	96
74) Fluoranthene	12.46	202	68373	5.91	ng	96
77) Pyrene	12.69	202	67563	4.23	ng	98
80) Benzo(a)anthracene	13.87	228	31757	2.62	ng	96
82) Chrysene	13.91	228	30242m	2.52	ng	
87) Benzo(b)fluoranthene	14.88	252	34091m	3.58	ng	
89) Benzo(a)pyrene	15.21	252	24456	3.04	ng	97

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

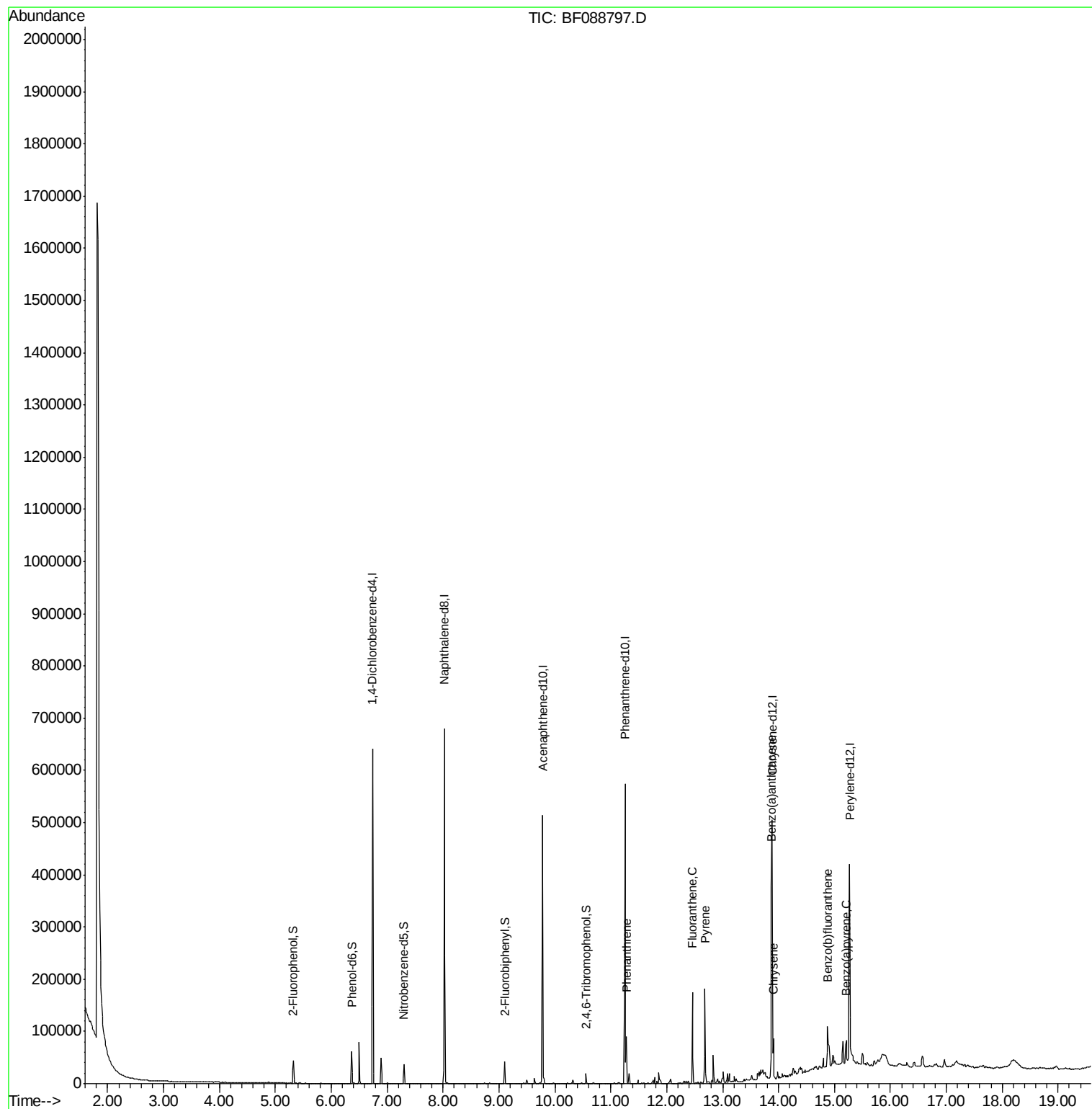
Data Path : Z:\HPCHEM1\BNA F\DATA\BF070716\
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
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#1

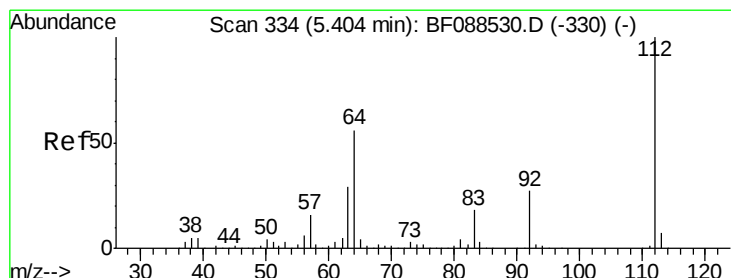
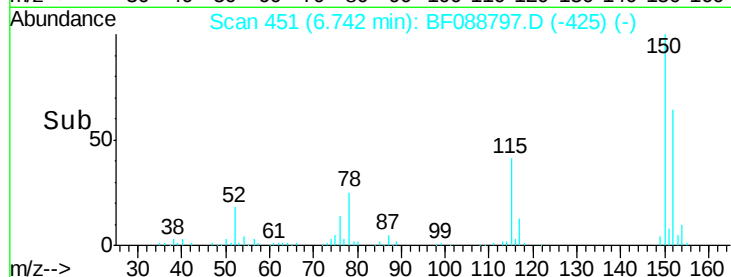
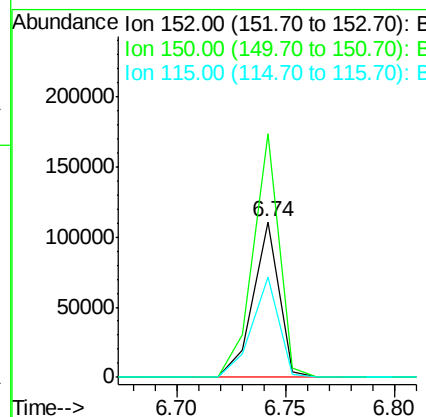
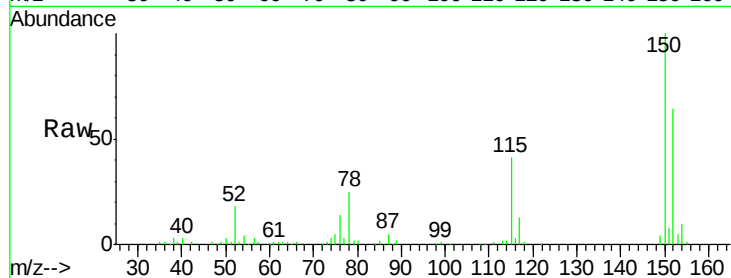
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.74 min Scan# 451
Delta R.T. 0.00 min
Lab File: BF088797.D
Acq: 8 Jul 2016 00:05

Instrument :
BNA_F
ClientSampleId :
SS-12

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	123.8	185.6
115	64.3	39.6	59.4

Manual Integrations

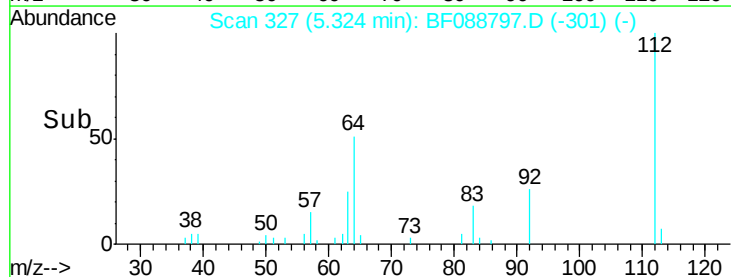
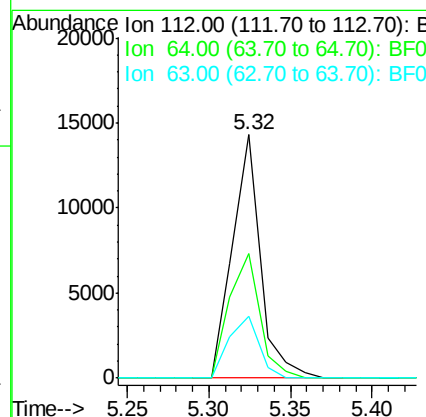
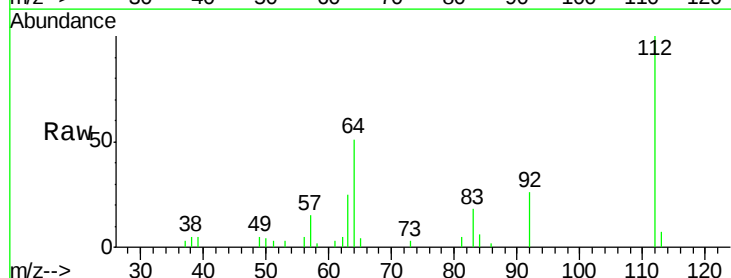
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#5

2-Fluorophenol
Concen: 2.75 ng
RT: 5.32 min Scan# 327
Delta R.T. 0.00 min
Lab File: BF088797.D
Acq: 8 Jul 2016 00:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.2	42.2	63.2
63	25.5	21.8	32.8





#7

Phenol-d6

Concen: 2.96 ng

RT: 6.36 min Scan# 418

Delta R.T. -0.02 min

Lab File: BF088797.D

Acq: 8 Jul 2016 00:05

Instrument :

BNA_F

ClientSampleId :

SS-12

Tot Ion: 99 Resp: 23506

Ion Ratio Lower Upper

99 100

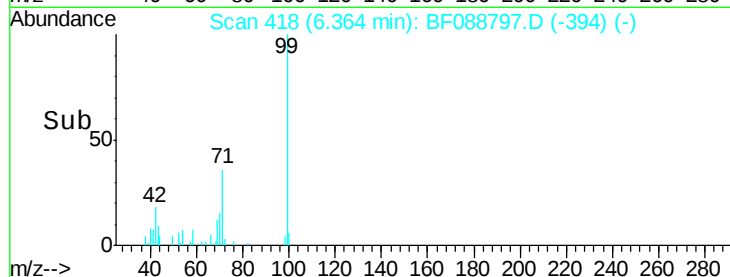
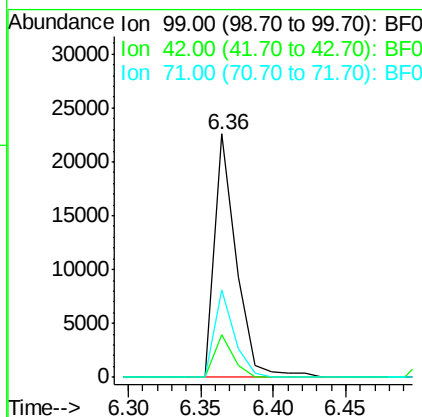
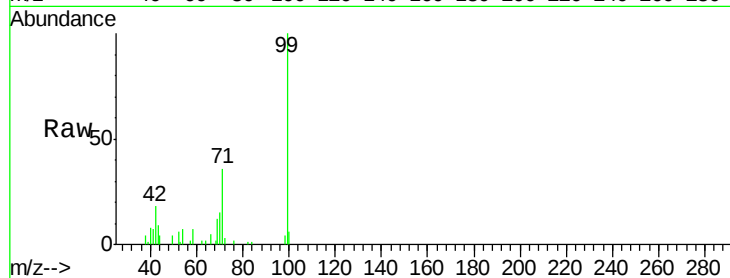
42 17.5 12.2 18.2

71 35.9 23.4 35.0#

Manual Integrations

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 563

Delta R.T. -0.01 min

Lab File: BF088797.D

Acq: 8 Jul 2016 00:05

Tgt Ion: 136 Resp: 322667

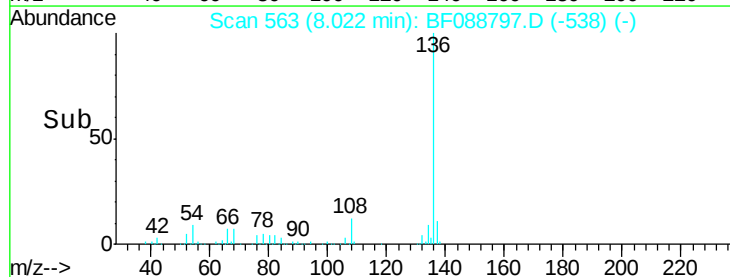
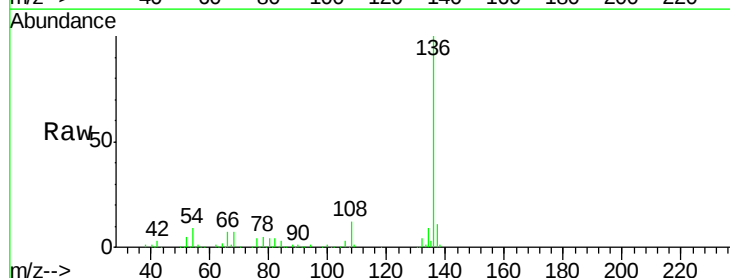
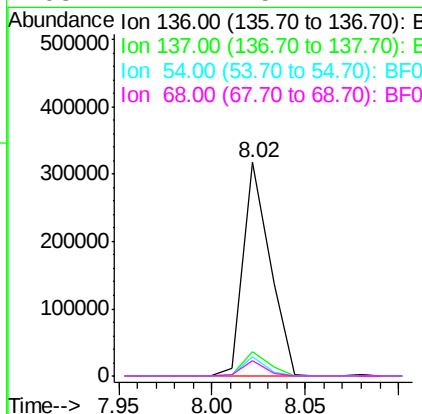
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 9.2 6.6 10.0

68 7.2 5.1 7.7





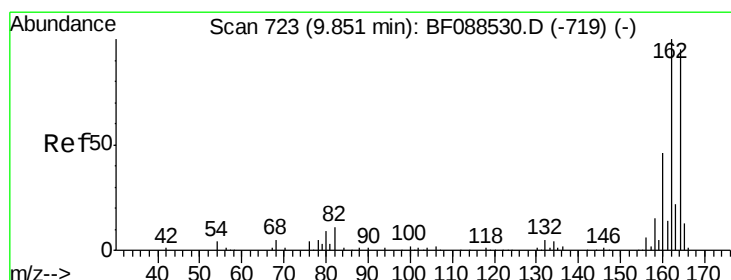
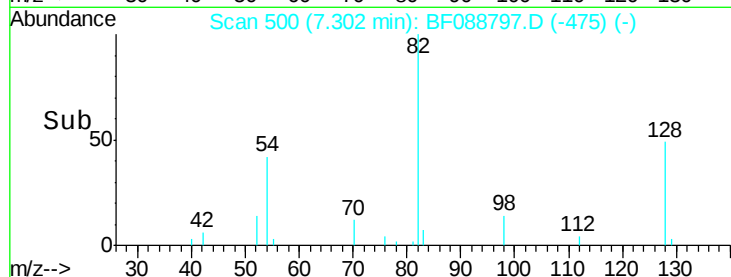
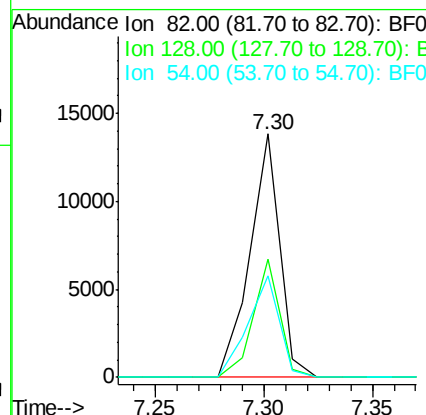
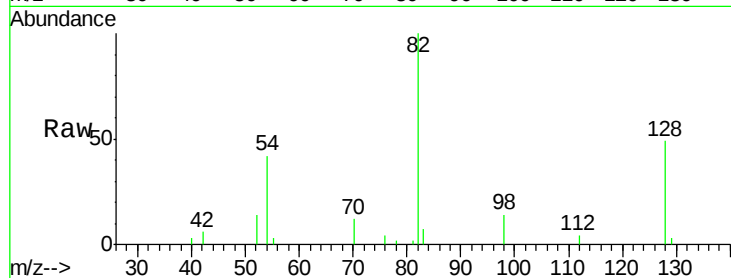
#23
 Nitrobenzene-d5
 Concen: 2.13 ng
 RT: 7.30 min Scan# 500
 Delta R.T. -0.01 min
 Lab File: BF088797.D
 Acq: 8 Jul 2016 00:05

Instrument :
 BNA_F
 ClientSampled :
 SS-12

Tot Ion	82	Resp	13086
Ion Ratio	100	Lower	Upper
82	100		
128	48.6	35.9	53.9
54	41.8	40.9	61.3

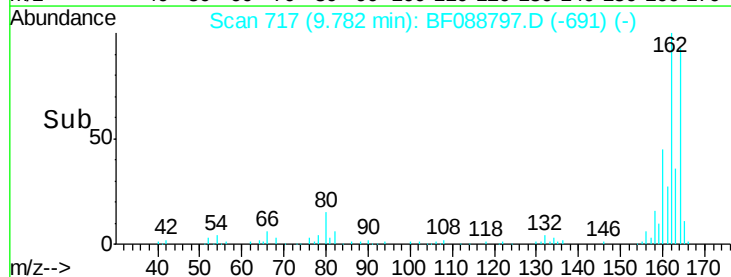
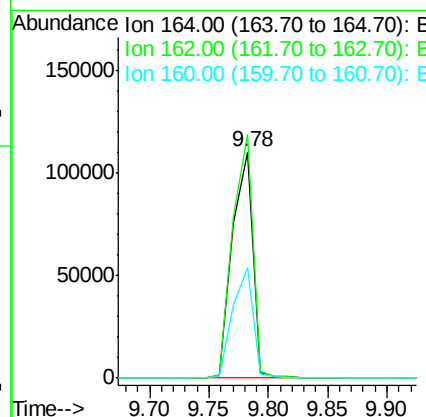
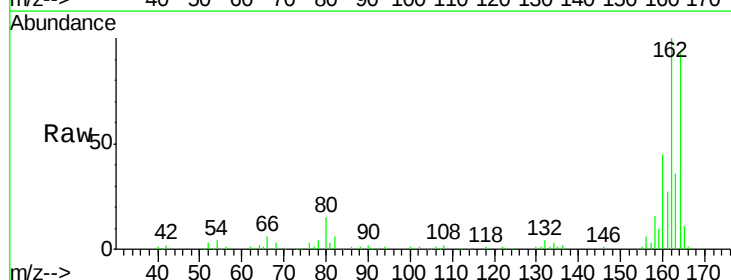
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.78 min Scan# 717
 Delta R.T. 0.00 min
 Lab File: BF088797.D
 Acq: 8 Jul 2016 00:05

Tgt Ion	164	Resp	131929
Ion Ratio	100	Lower	Upper
164	100		
162	107.6	85.4	128.2
160	48.7	39.5	59.3





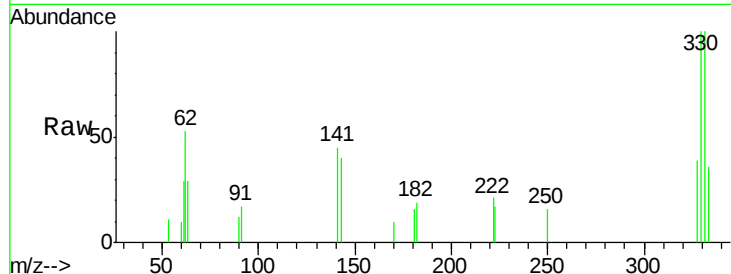
#41
 2,4,6-Tribromophenol
 Concen: 2.28 ng
 RT: 10.56 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF088797.D
 Acq: 8 Jul 2016 00:05

Instrument :
 BNA_F
 ClientSampleId :
 SS-12

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	0.0	0.0#
141	34.1	0.0	0.0#

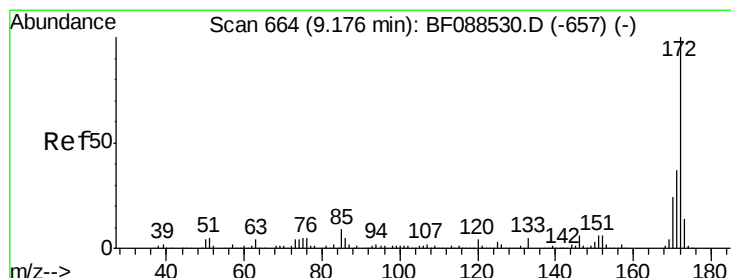
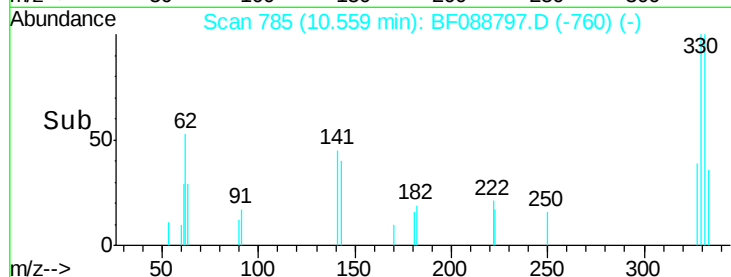
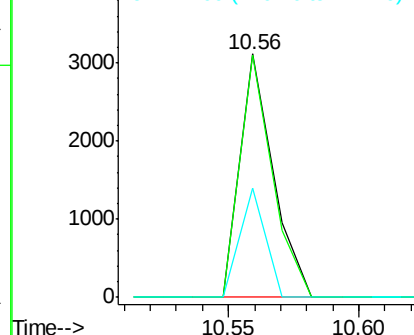
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Abundance

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

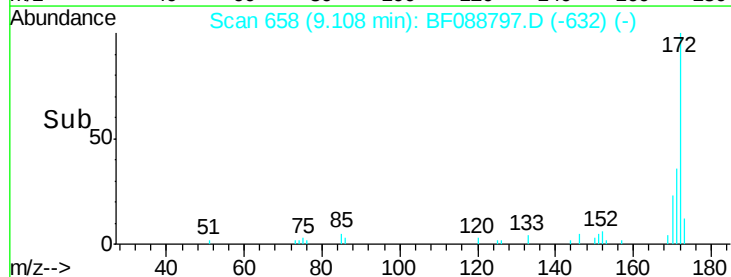
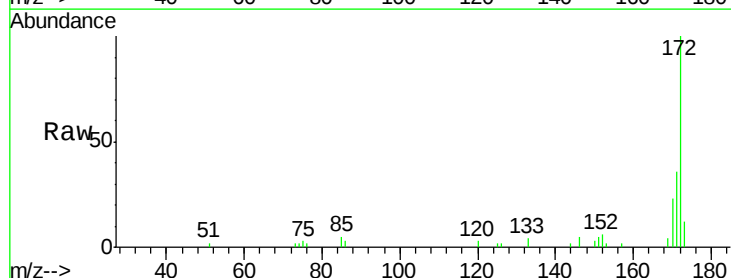
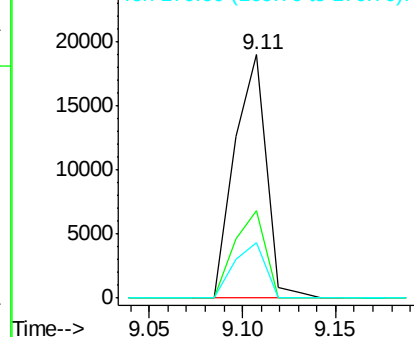


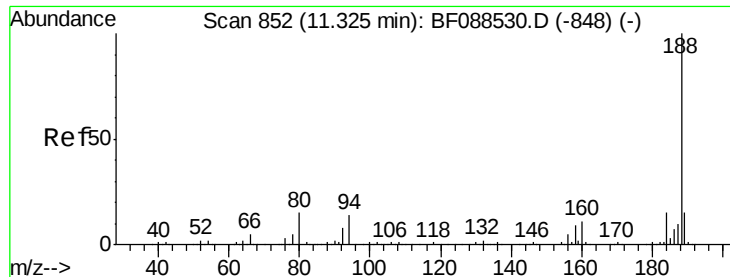
#44
 2-Fluorobiphenyl
 Concen: 2.70 ng
 RT: 9.11 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: BF088797.D
 Acq: 8 Jul 2016 00:05

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	43.0
170	22.6	19.2	28.8

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





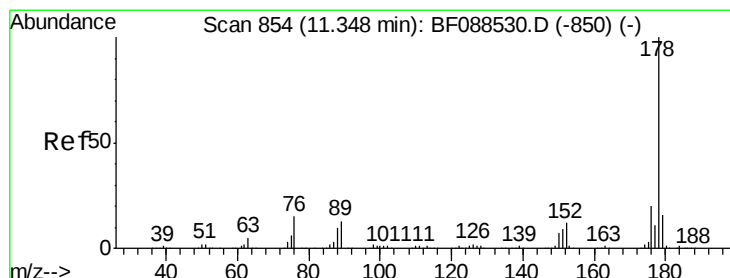
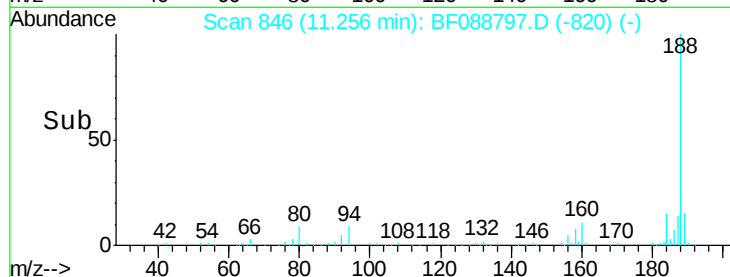
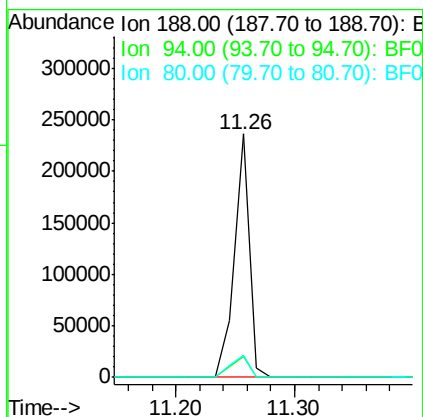
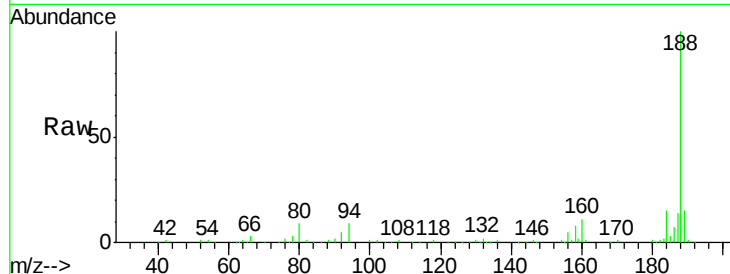
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 846
Delta R.T. 0.00 min
Lab File: BF088797.D
Acq: 8 Jul 2016 00:05

Instrument :
BNA_F
ClientSampleId :
SS-12

Tot Ion	Ratio	Lower	Upper
188	100		
94	8.6	9.0	13.6#
80	9.2	10.0	15.0#

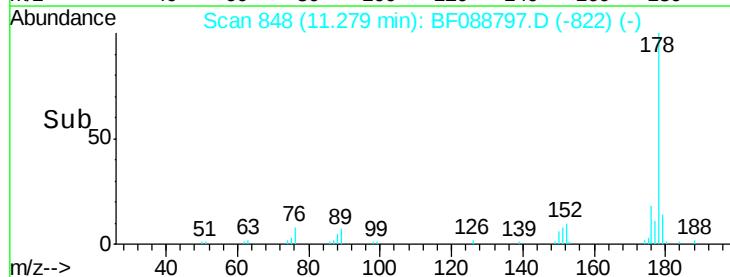
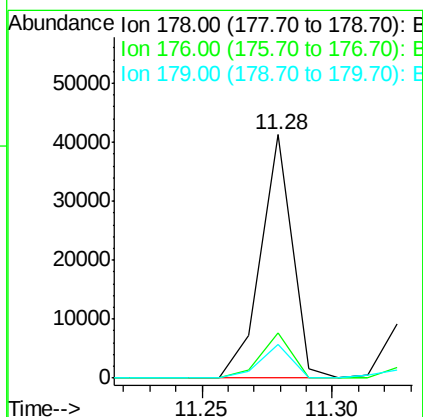
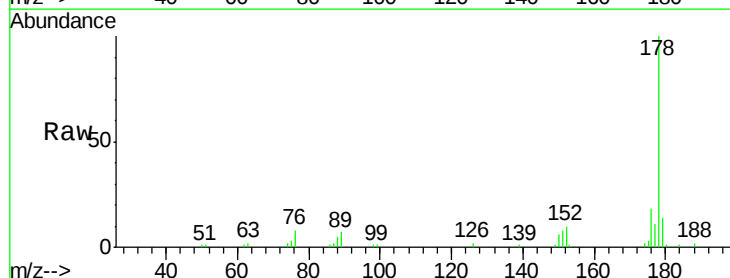
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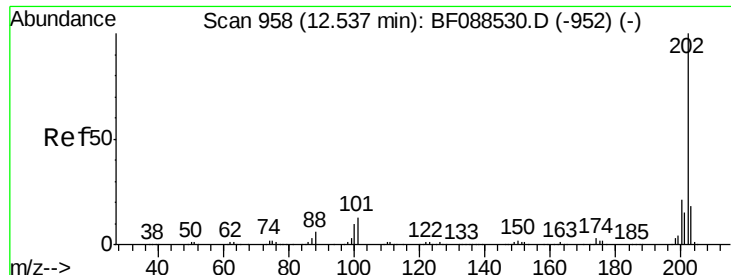
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#70
Phenanthrene
Concen: 3.01 ng
RT: 11.28 min Scan# 848
Delta R.T. 0.00 min
Lab File: BF088797.D
Acq: 8 Jul 2016 00:05

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.6
179	14.1	13.0	19.4





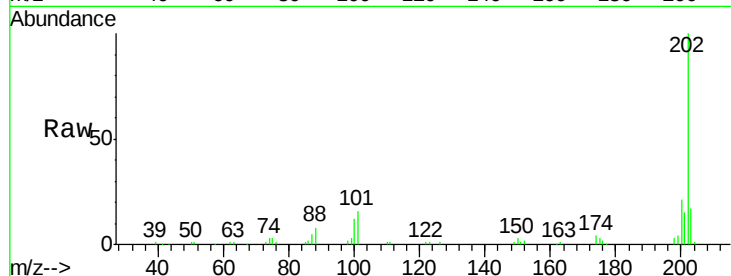
#74
Fluoranthene
 Concen: 5.91 ng
 RT: 12.46 min Scan# 951
 Delta R.T. -0.01 min
 Lab File: BF088797.D
 Acq: 8 Jul 2016 00:05

Instrument :
 BNA_F
 ClientSampleId :
 SS-12

Tot Ion	Ratio	Resp	Lower	Upper
202	100	68373		
101	16.1		0.0	33.1
203	17.1		0.0	38.1

Manual Integrations

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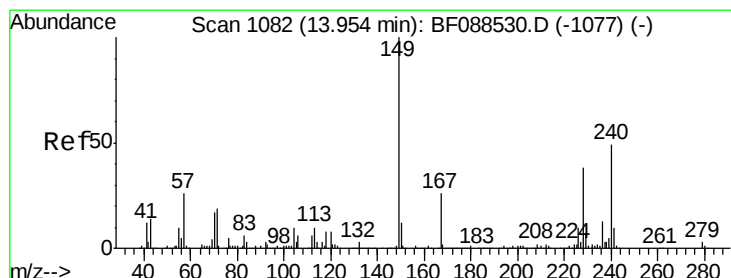
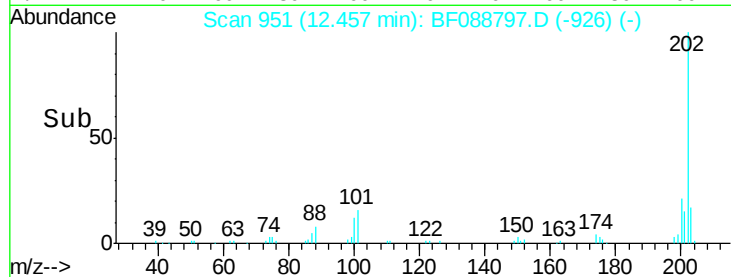
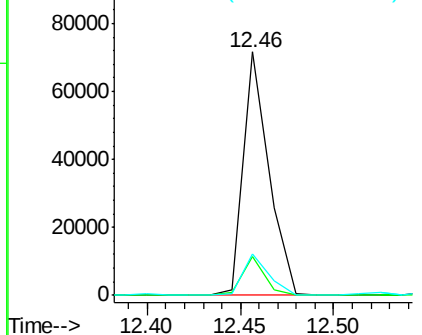


Abundance

Ion 202.00 (201.70 to 202.70): E

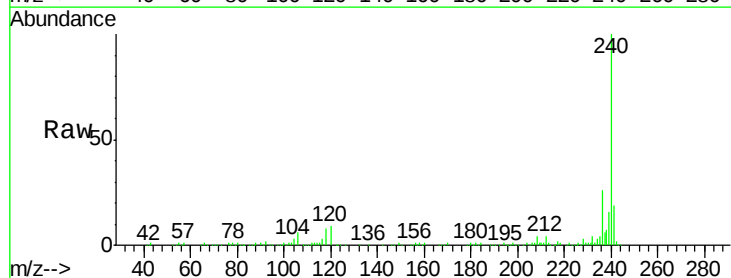
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75
Chrysene-d12
 Concen: 20.00 ng
 RT: 13.89 min Scan# 1076
 Delta R.T. 0.00 min
 Lab File: BF088797.D
 Acq: 8 Jul 2016 00:05

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	188416		
120	8.5		6.8	10.2
236	26.0		20.2	30.2

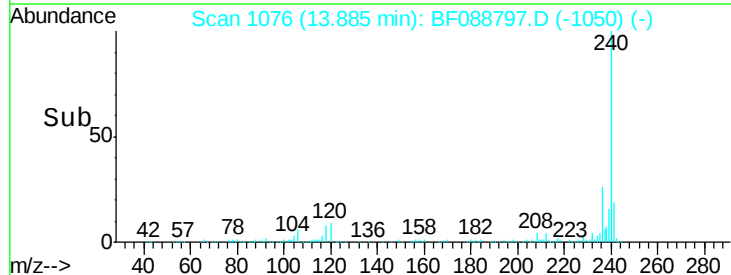
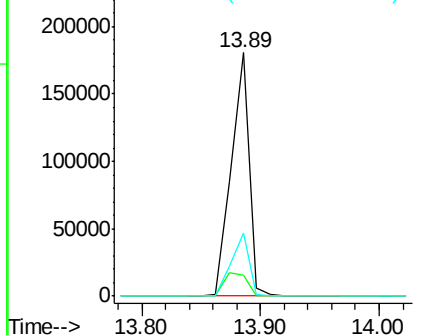


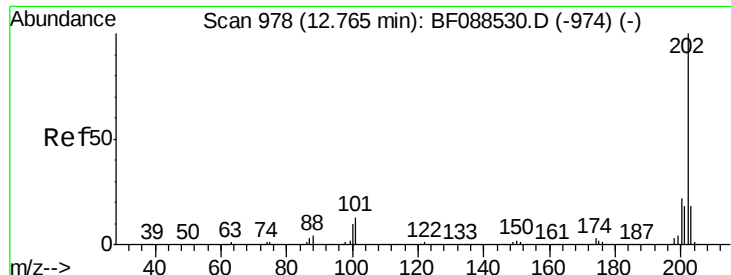
Abundance

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





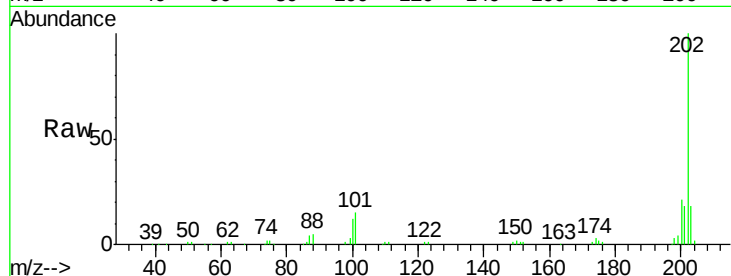
#77
Pvrene
Concen: 4.23 ng
RT: 12.69 min Scan# 971
Delta R.T. -0.01 min
Lab File: BF088797.D
Acq: 8 Jul 2016 00:05

Instrument :
BNA_F
ClientSampled :
SS-12

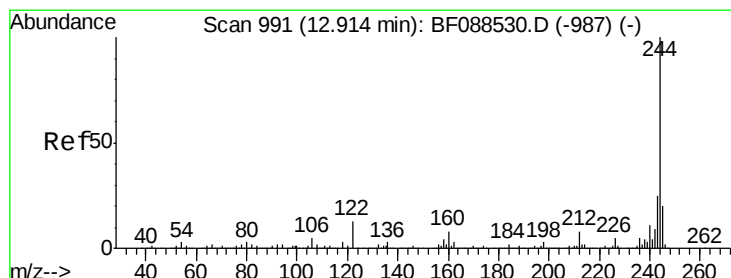
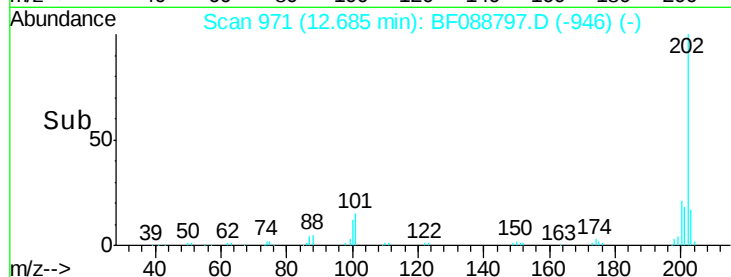
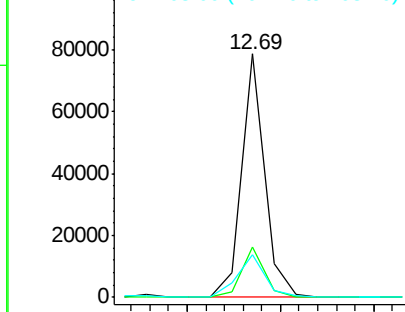
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.4	26.2
203	17.5	14.5	21.7

Manual Integrations

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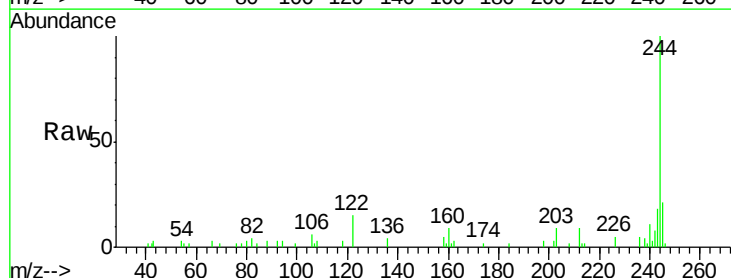


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

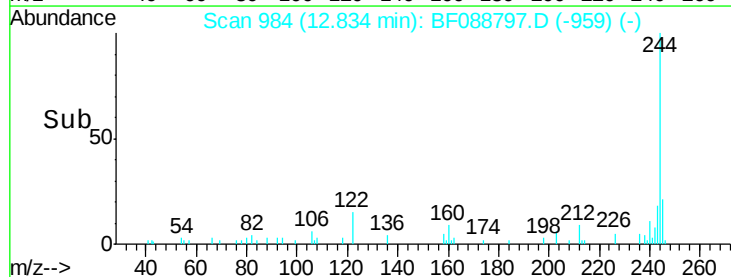
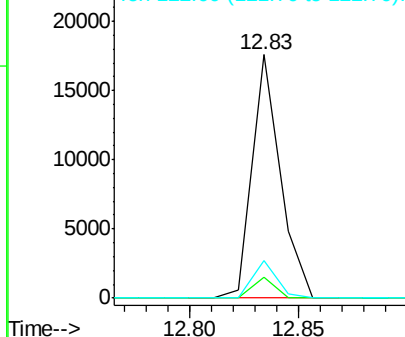


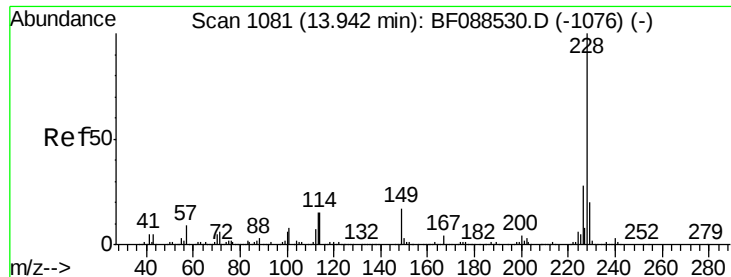
#78
Terphenyl-d14
Concen: 1.87 ng
RT: 12.83 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF088797.D
Acq: 8 Jul 2016 00:05

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.7	6.0	9.0
122	15.2	11.2	16.8



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





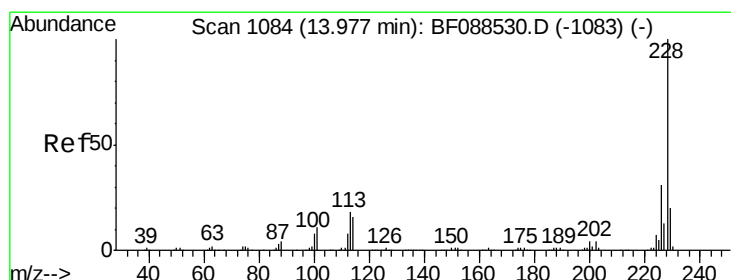
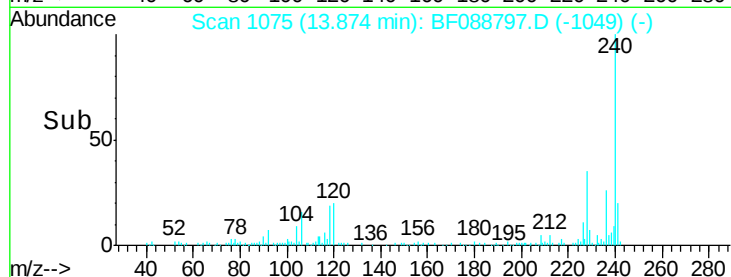
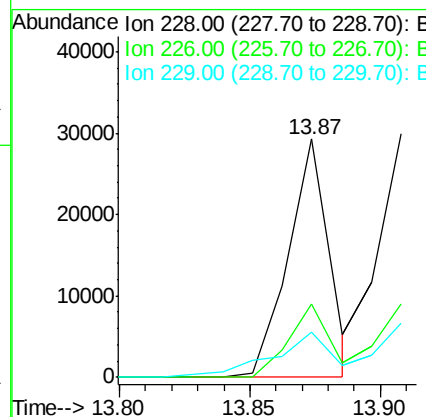
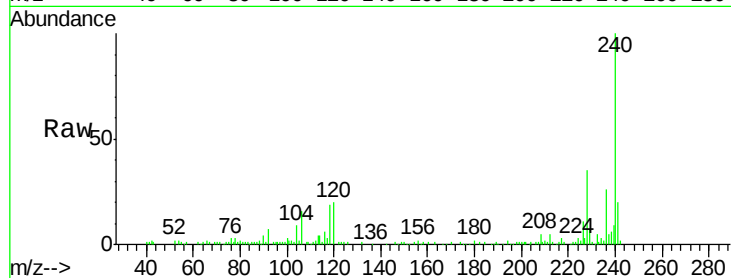
#80
Benzo(a)anthracene
Concen: 2.62 ng
RT: 13.87 min Scan# 1075
Delta R.T. 0.00 min
Lab File: BF088797.D
Acq: 8 Jul 2016 00:05

Instrument :
BNA_F
ClientSampleId :
SS-12

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100		31757		
226	30.9	22.3	33.5		
229	19.2	16.0	24.0		

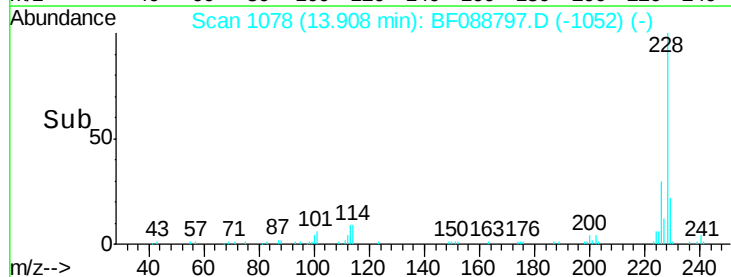
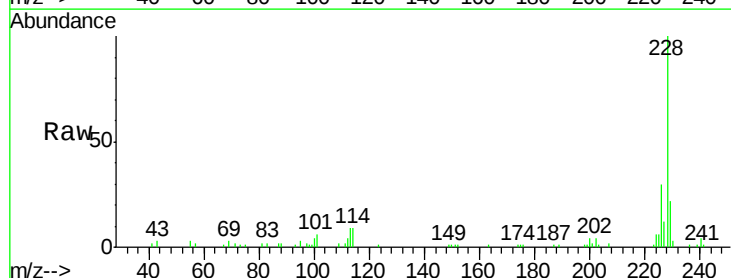
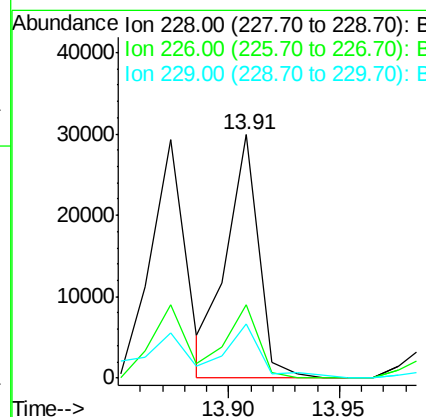
Manual Integrations

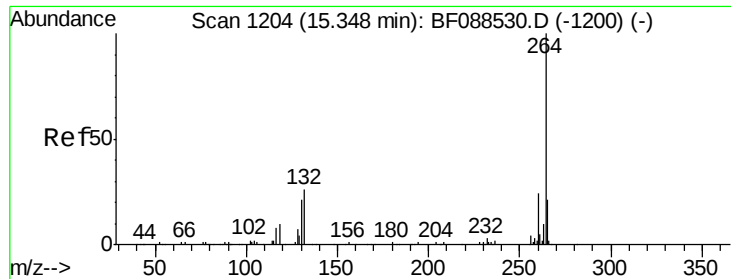
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7/8/2016 7:04:15 AM



#82
Chrysene
Concen: 2.52 ng m
RT: 13.91 min Scan# 1078
Delta R.T. 0.00 min
Lab File: BF088797.D
Acq: 8 Jul 2016 00:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100		30242		
226	30.3	25.4	38.2		
229	22.5	16.3	24.5		





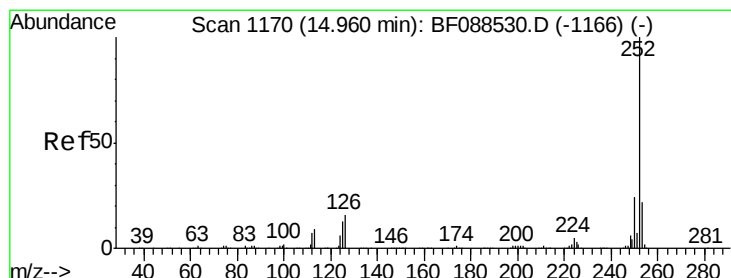
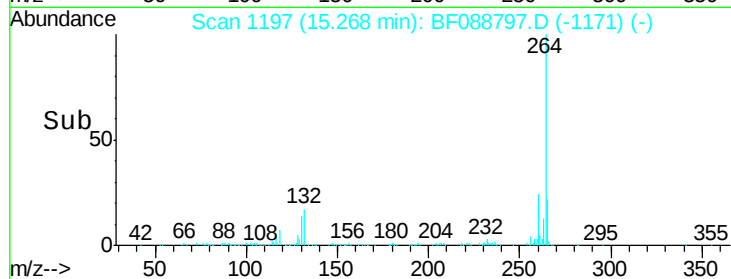
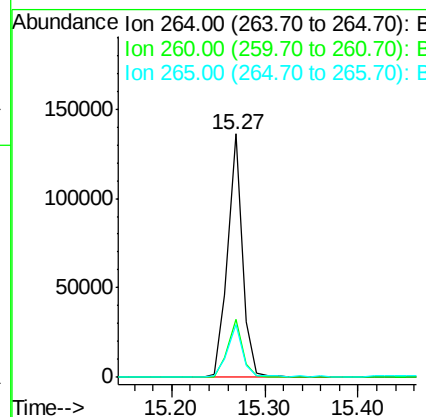
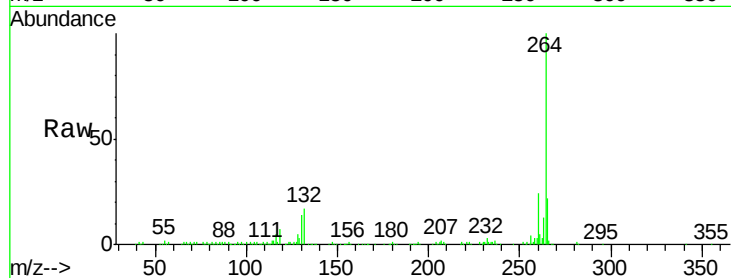
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 1197
Delta R.T. 0.00 min
Lab File: BF088797.D
Acq: 8 Jul 2016 00:05

Instrument :
BNA_F
ClientSampleId :
SS-12

Tot Ion	Ion	Ratio	Lower	Upper
264	100			
260	23.8	19.2	28.8	
265	21.5	16.9	25.3	

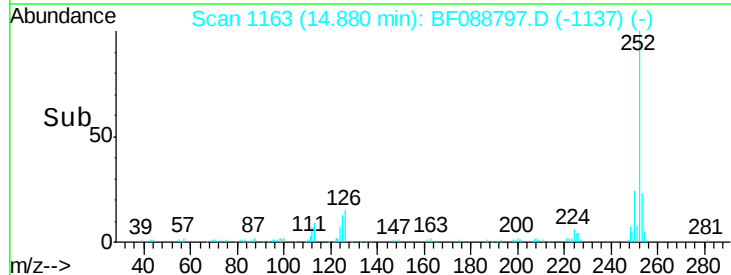
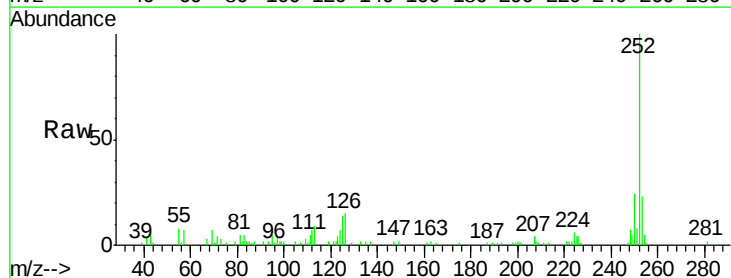
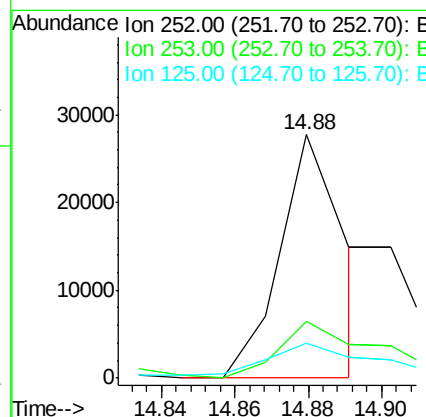
Manual Integrations

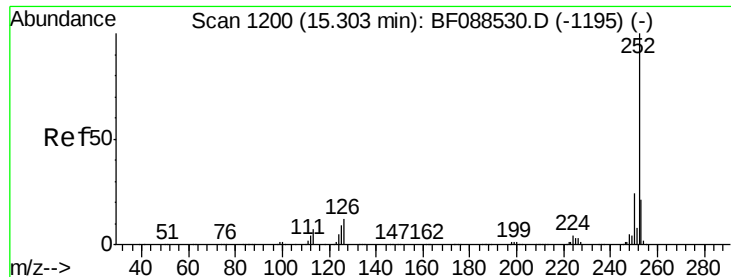
APPROVED
SOHIL
7/8/2016 7:04:15 AM



#87
Benzo(b)fluoranthene
Concen: 3.58 ng m
RT: 14.88 min Scan# 1163
Delta R.T. 0.00 min
Lab File: BF088797.D
Acq: 8 Jul 2016 00:05

Tgt Ion	Ion	Ratio	Lower	Upper
252	100			
253	23.1	17.4	26.2	
125	14.3	7.1	10.7	





#89
 Benzo(a)pyrene
 Concen: 3.04 ng
 RT: 15.21 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: BF088797.D
 Acq: 8 Jul 2016 00:05

Instrument :
 BNA_F
 ClientSampleId :
 SS-12

Tot Ion:	252	Resp:	24456
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.9	26.9
125	13.3	12.5	18.7

Manual Integrations

APPROVED
 SOHIL
 7/8/2016 7:04:15 AM

