

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100215\
 Data File : BF082040.D
 Acq On : 4 Oct 2015 00:24
 Operator : UM/IZ
 Sample : G3891-09
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-9(0-2)

Manual Integrations
 APPROVED

MMDADODA
 10/5/2015 6:27:34 PM

Quant Time: Oct 05 04:52:13 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 28 18:10:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	76740	20.00	ng	-0.05
21) Naphthalene-d8	8.17	136	317234	20.00	ng	-0.05
38) Acenaphthene-d10	9.93	164	155896	20.00	ng	-0.05
63) Phenanthrene-d10	11.43	188	290477	20.00	ng	-0.03
75) Chrysene-d12	14.07	240	238645	20.00	ng	-0.05
86) Perylene-d12	15.53	264	221835	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	480363	113.63	ng	-0.03
7) Phenol-d6	6.51	99	641194	120.54	ng	-0.05
23) Nitrobenzene-d5	7.45	82	377245	79.27	ng	-0.05
41) 2,4,6-Tribromophenol	10.73	330	163027	103.26	ng	-0.03
44) 2-Fluorobiphenyl	9.26	172	783855	83.93	ng	-0.05
78) Terphenyl-d14	13.02	244	687850	96.75	ng	-0.03
Target Compounds						
37) 2-Methylnaphthalene	8.88	142	21607	2.25	ng	# 88
49) Dimethylphthalate	9.65	163	165088	15.34	ng	# 97
70) Phenanthrene	11.45	178	53999	2.28	ng	97
74) Fluoranthene	12.64	202	82129	5.28	ng	88
77) Pyrene	12.87	202	73272	5.14	ng	97
80) Benzo(a)anthracene	14.06	228	44049	3.43	ng	# 86
82) Chrysene	14.09	228	41398m	3.33	ng	
85) Indeno(1,2,3-cd)pyrene	16.98	276	24392m	2.43	ng	
87) Benzo(b)fluoranthene	15.11	252	59336m	4.68	ng	
88) Benzo(k)fluoranthene	15.12	252	31415m	2.71	ng	
89) Benzo(a)pyrene	15.48	252	39632	3.61	ng	# 87
91) Benzo(a,h,i)perylene	17.42	276	27061	2.86	ng	# 80

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

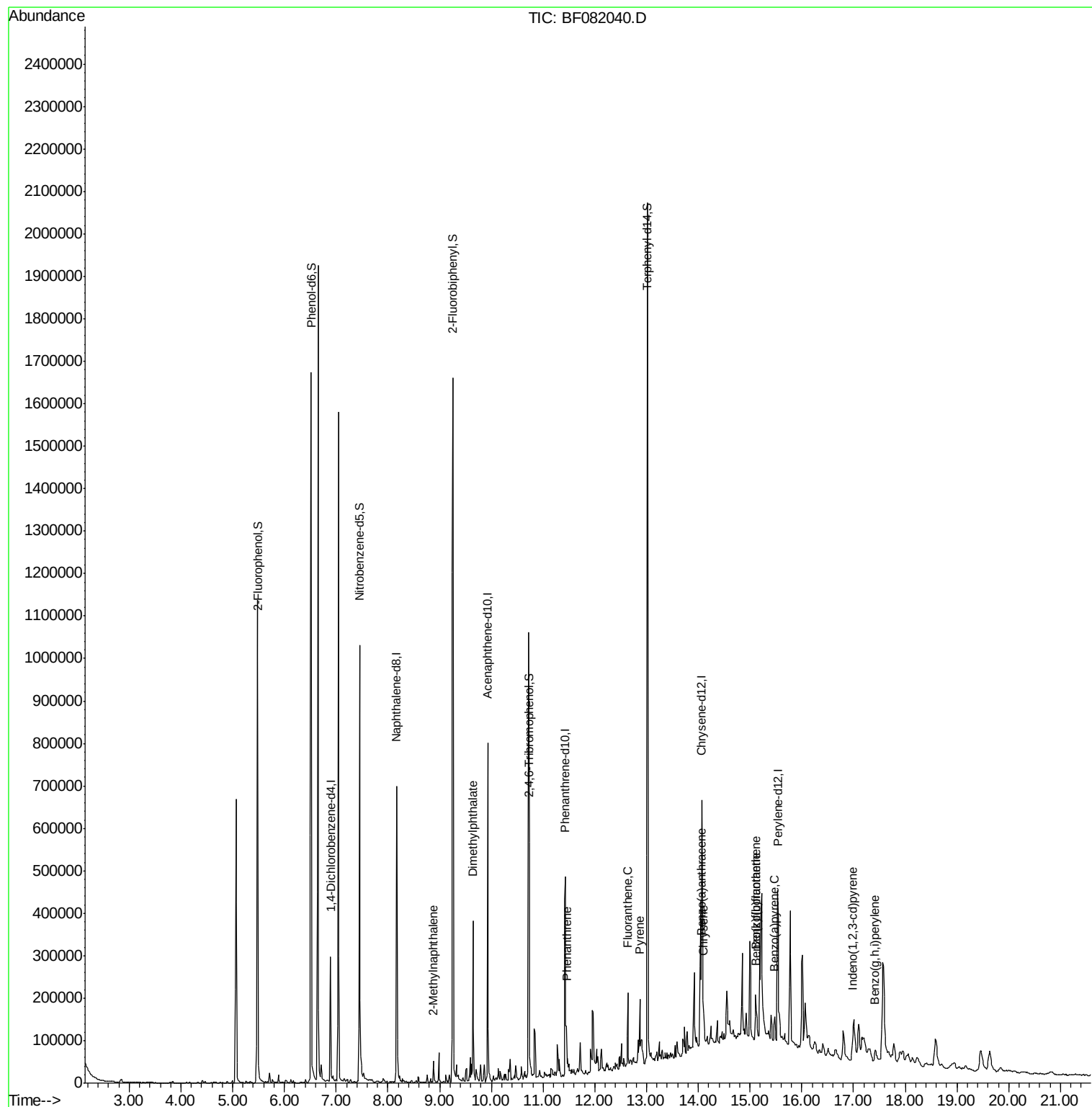
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100215\
Data File : BF082040.D
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Sample : G3891-09
Misc :
ALS Vial : 60 Sample Multiplier: 1

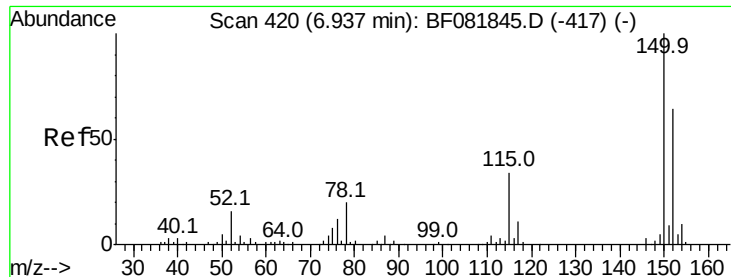
Instrument :
BNA_F
ClientSampleId :
SS-9(0-2)

Manual Integrations
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

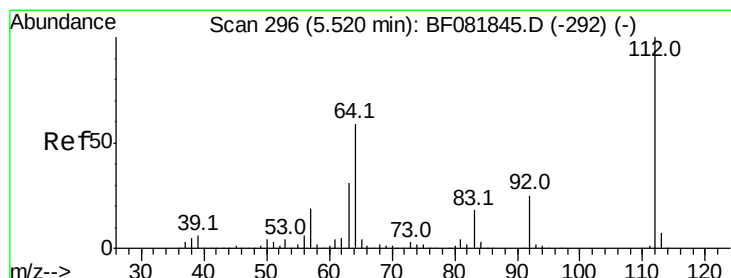
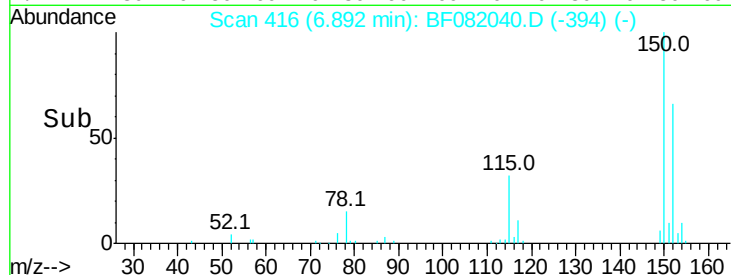
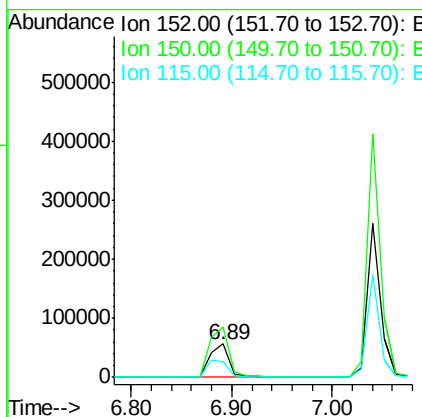
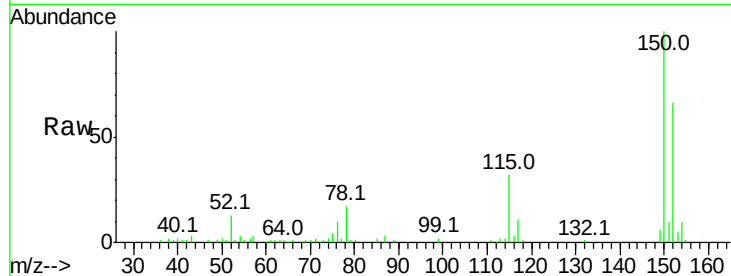
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.89 min Scan# 416
Delta R.T. -0.05 min
Lab File: BF082040.D
Acq: 4 Oct 2015 00:24

Instrument :
BNA_F
ClientSampleId :
SS-9(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.6	124.7	187.1
115	48.3	39.0	58.4

Manual Integrations
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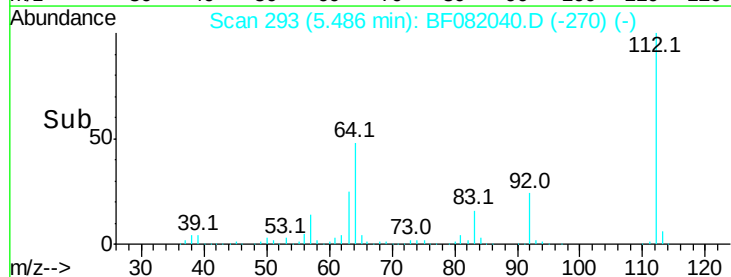
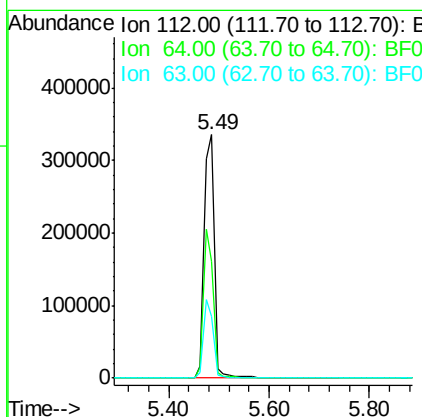
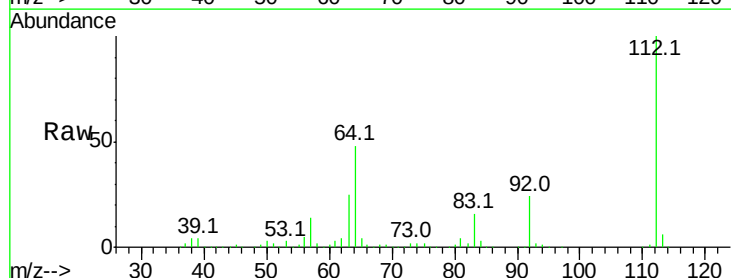
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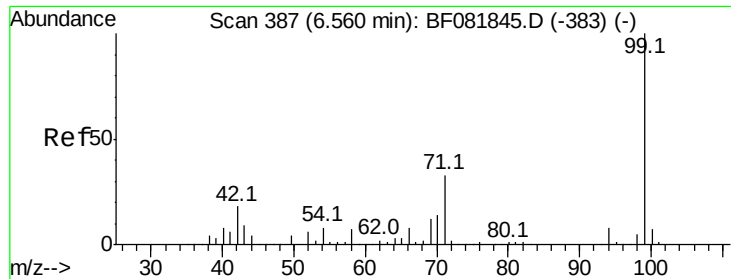


#5

2-Fluorophenol
Concen: 113.63 ng
RT: 5.49 min Scan# 293
Delta R.T. -0.03 min
Lab File: BF082040.D
Acq: 4 Oct 2015 00:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	47.9	39.7	59.5
63	25.2	17.4	26.0





#7

Phenol-d6

Concen: 120.54 ng

RT: 6.51 min Scan# 383

Delta R.T. -0.05 min

Lab File: BF082040.D

Acq: 4 Oct 2015 00:24

Instrument :

BNA_F

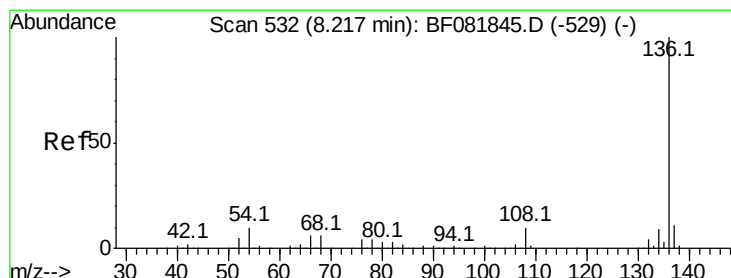
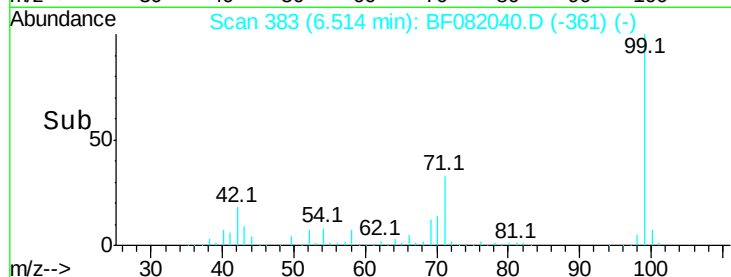
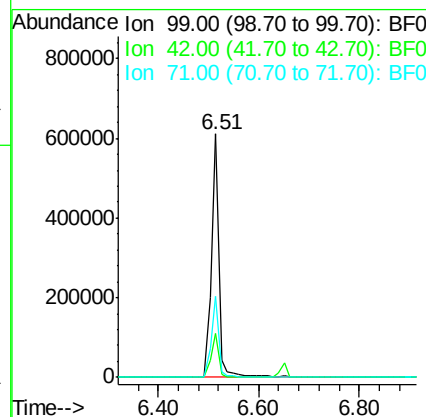
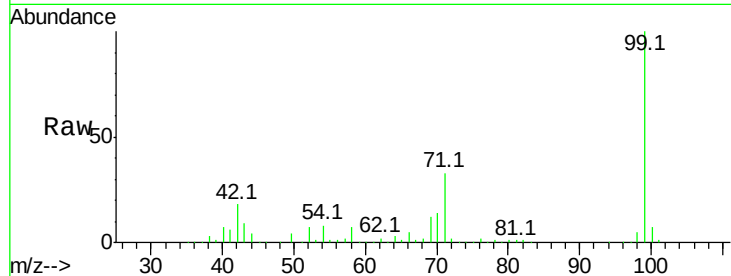
ClientSampleId :

SS-9(0-2)

Tot Ion:	99	Resp:	641194
Ion Ratio	Lower	Upper	
99	100		
42	17.8	13.7	20.5
71	33.3	14.2	21.2#

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#21

Naphthalene-d8

Concen: 20.00 ng

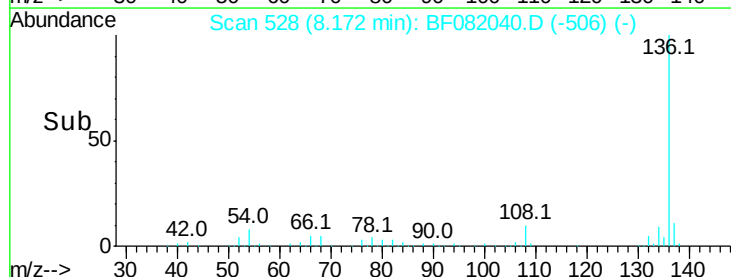
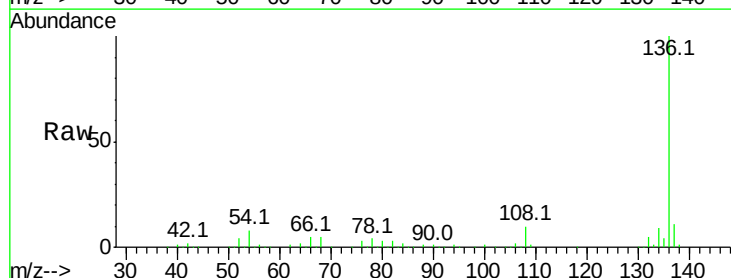
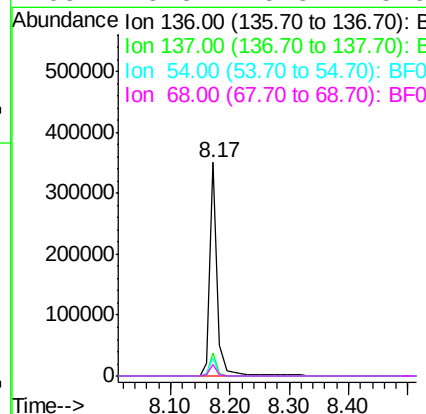
RT: 8.17 min Scan# 528

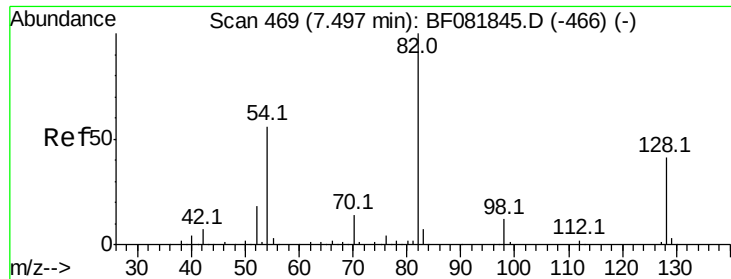
Delta R.T. -0.05 min

Lab File: BF082040.D

Acq: 4 Oct 2015 00:24

Tgt Ion:	136	Resp:	317234
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.0	13.6
54	8.3	8.2	12.2
68	5.3	5.8	8.6#





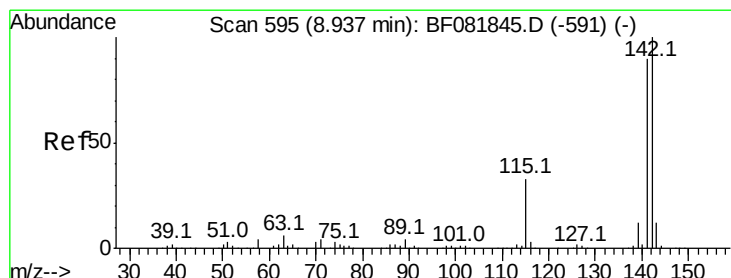
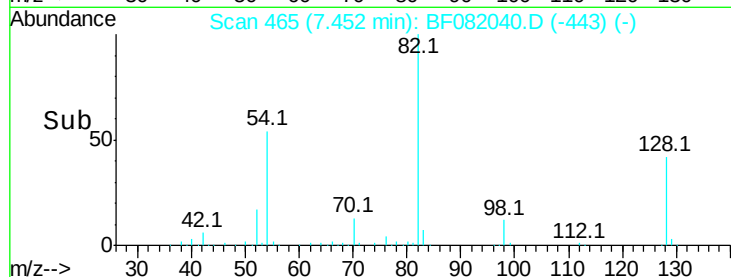
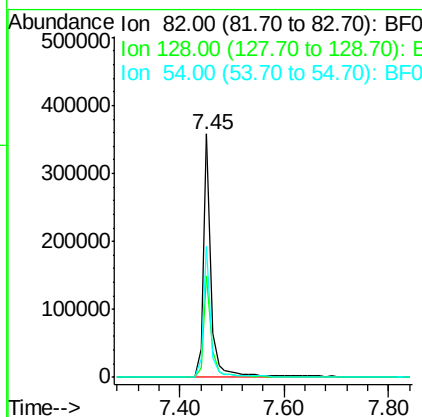
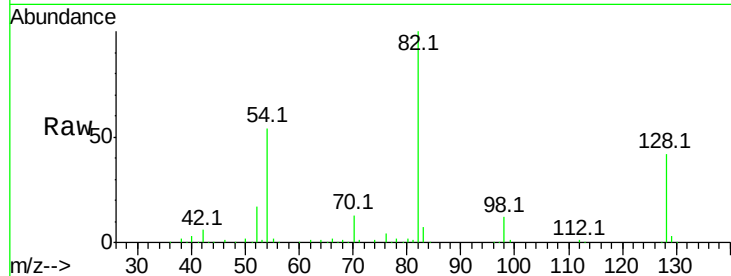
#23
 Nitrobenzene-d5
 Concen: 79.27 ng
 RT: 7.45 min Scan# 465
 Delta R.T. -0.05 min
 Lab File: BF082040.D
 Acq: 4 Oct 2015 00:24

Instrument :
 BNA_F
 ClientSampled :
 SS-9(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
82	100	377245		
128	42.0	51.0	76.6#	
54	53.7	47.5	71.3	

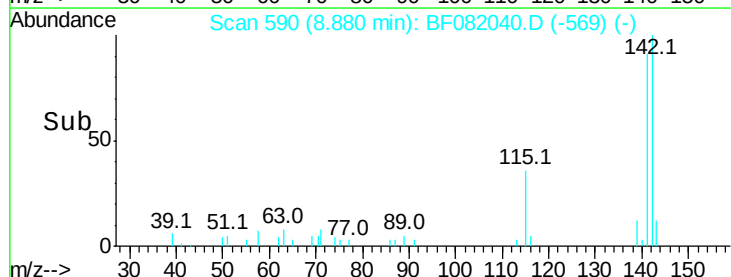
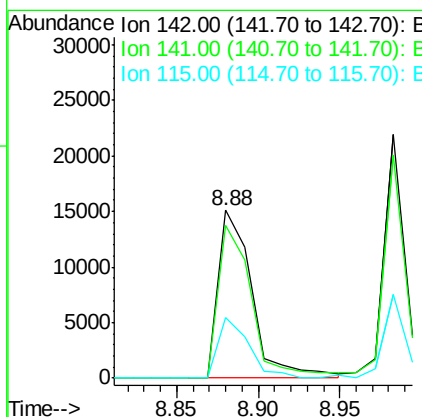
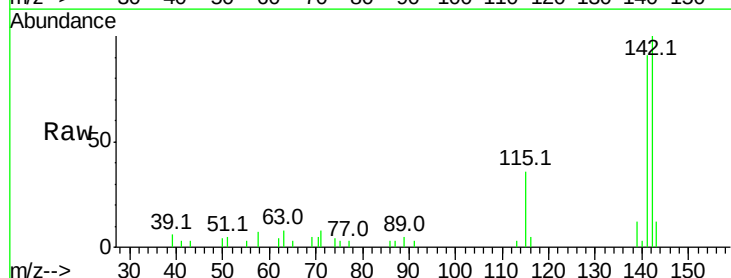
Manual Integrations
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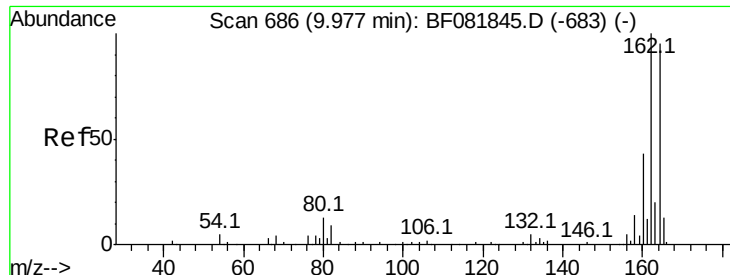
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#37
 2-Methylnaphthalene
 Concen: 2.25 ng
 RT: 8.88 min Scan# 590
 Delta R.T. -0.06 min
 Lab File: BF082040.D
 Acq: 4 Oct 2015 00:24

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	21607		
141	91.2	67.5	101.3	
115	36.3	18.2	27.2#	





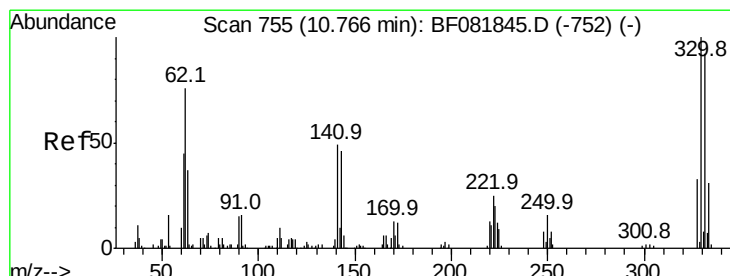
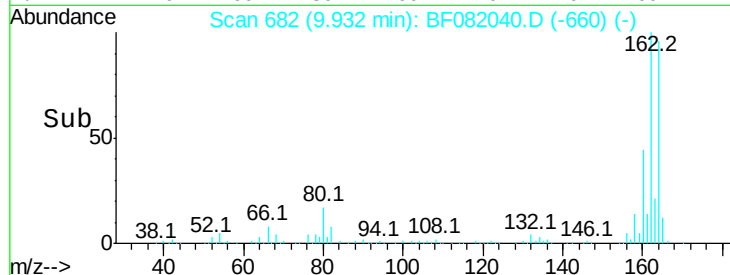
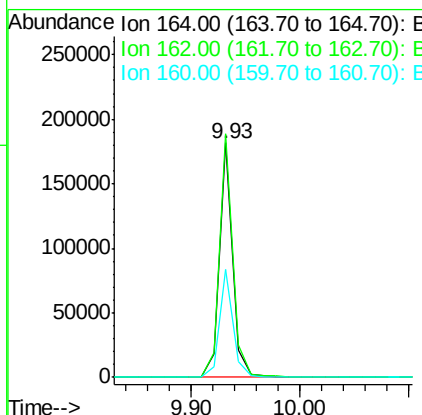
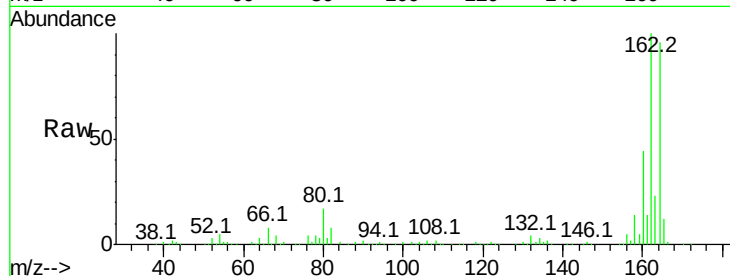
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.93 min Scan# 682
Delta R.T. -0.05 min
Lab File: BF082040.D
Acq: 4 Oct 2015 00:24

Instrument :
BNA_F
ClientSampleId :
SS-9(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	155896		
162	103.9	75.2	112.8	
160	46.1	31.5	47.3	

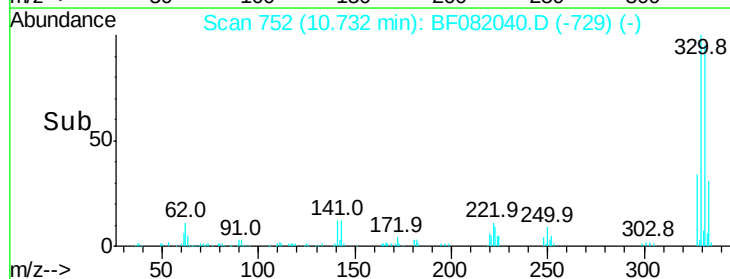
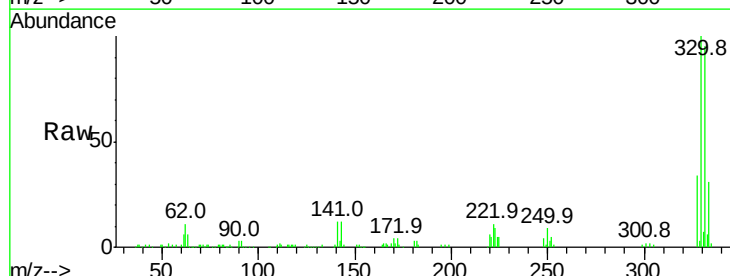
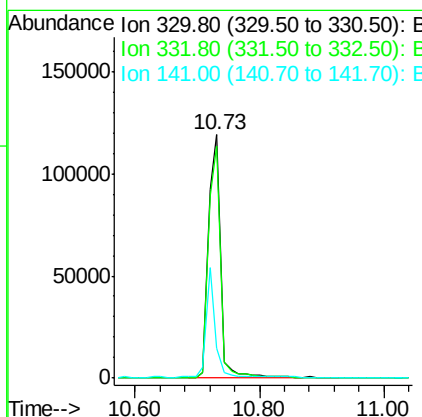
Manual Integrations
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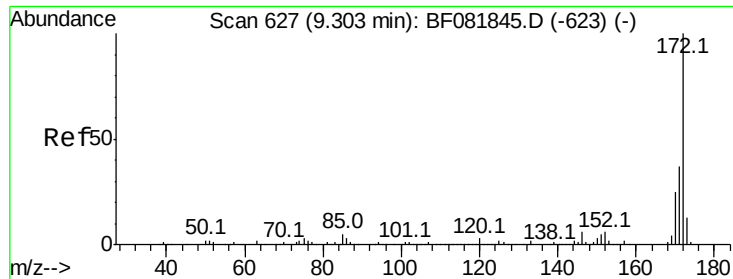
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#41
2,4,6-Tribromophenol
Concen: 103.26 ng
RT: 10.73 min Scan# 752
Delta R.T. -0.03 min
Lab File: BF082040.D
Acq: 4 Oct 2015 00:24

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	163027		
332	96.1	76.6	114.8	
141	32.7	29.7	44.5	





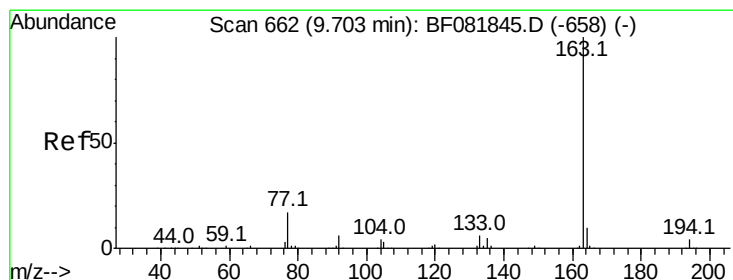
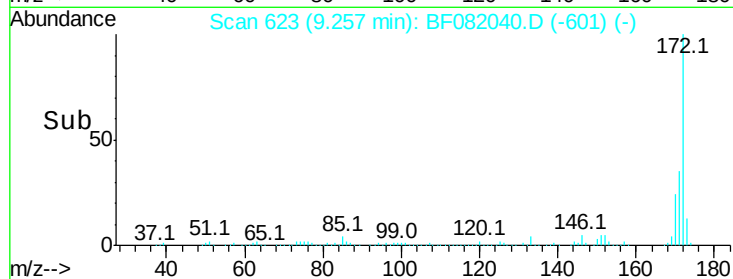
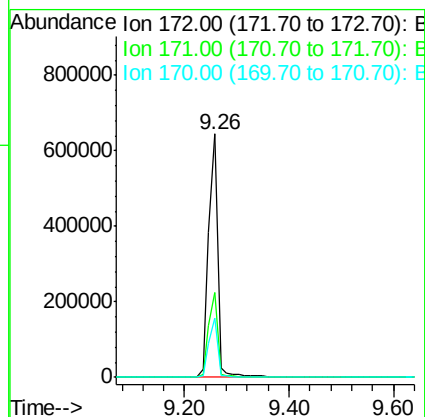
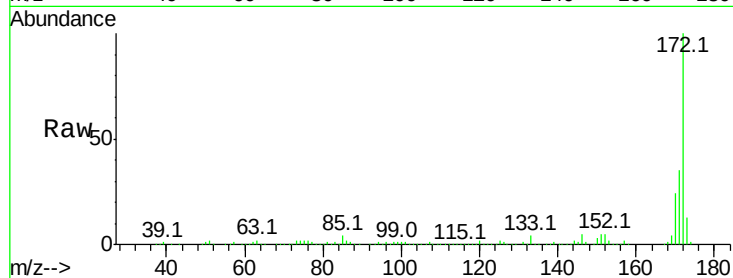
#44
2-Fluorobiphenyl
Concen: 83.93 ng
RT: 9.26 min Scan# 623
Delta R.T. -0.05 min
Lab File: BF082040.D
Acq: 4 Oct 2015 00:24

Instrument :
BNA_F
ClientSampleId :
SS-9(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
172	100	783855		
171	35.1		26.1	39.1
170	24.1		17.4	26.2

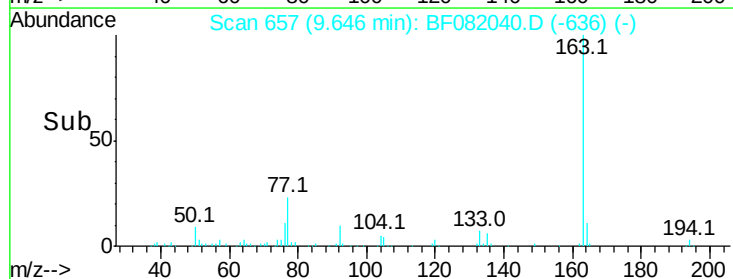
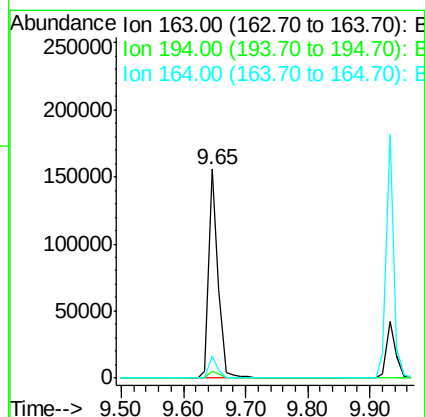
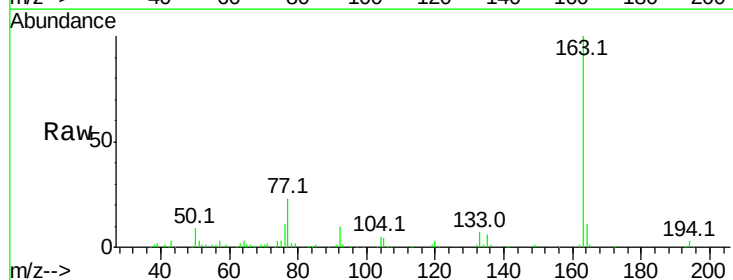
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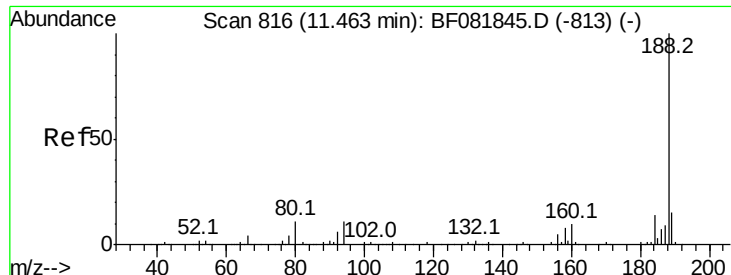
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#49
Dimethylphthalate
Concen: 15.34 ng
RT: 9.65 min Scan# 657
Delta R.T. -0.06 min
Lab File: BF082040.D
Acq: 4 Oct 2015 00:24

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	165088		
194	3.1		4.4	6.6#
164	10.6		8.3	12.5





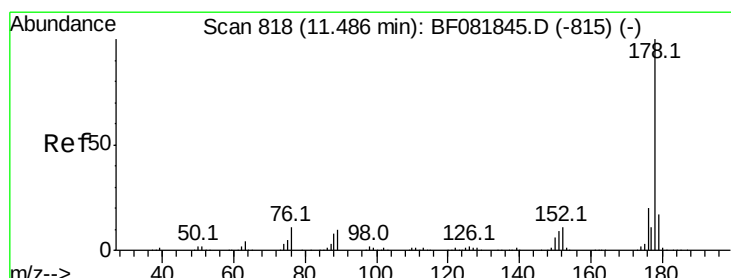
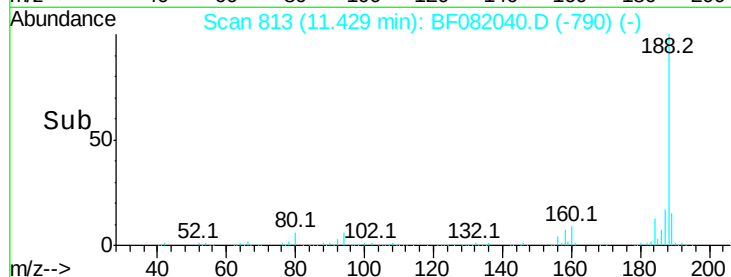
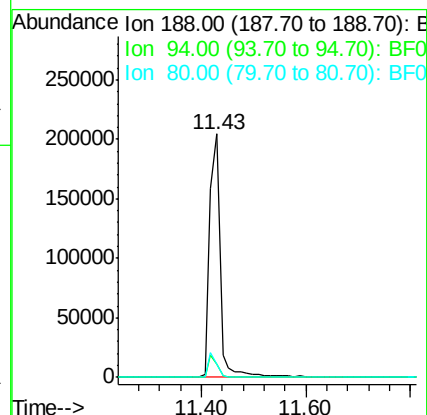
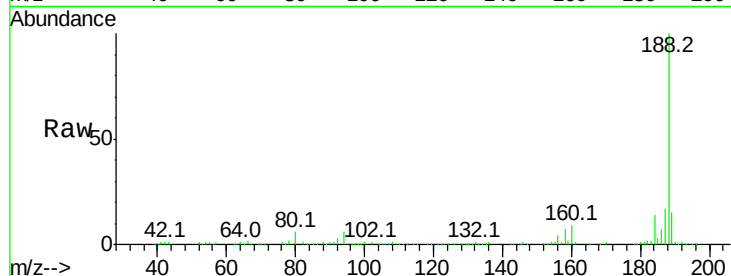
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.43 min Scan# 813
Delta R.T. -0.03 min
Lab File: BF082040.D
Acq: 4 Oct 2015 00:24

Instrument :
BNA_F
ClientSampleId :
SS-9(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	290477		
94	5.7		11.1	16.7#
80	5.7		11.0	16.4#

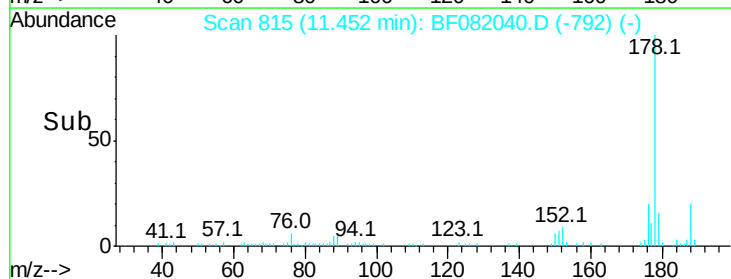
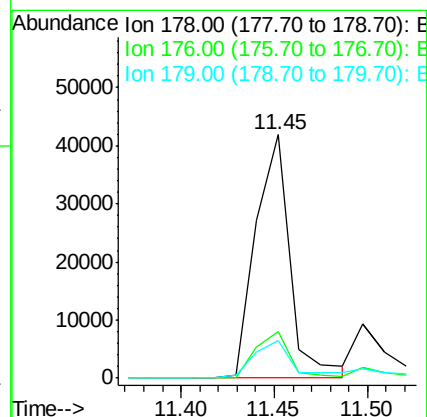
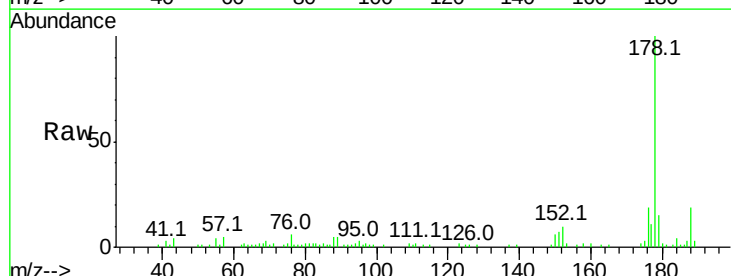
Manual Integrations
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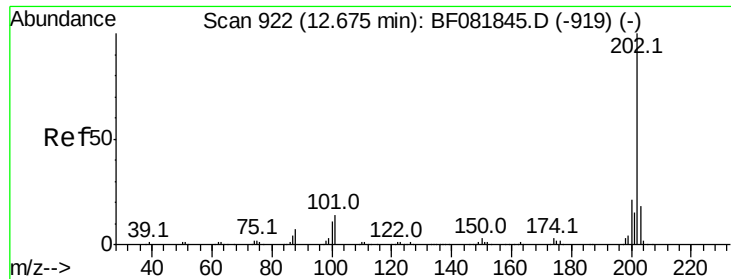
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#70
Phenanthrene
Concen: 2.28 ng
RT: 11.45 min Scan# 815
Delta R.T. -0.03 min
Lab File: BF082040.D
Acq: 4 Oct 2015 00:24

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	53999		
176	19.2		13.8	20.8
179	15.5		12.2	18.2





#74

Fluoranthene

Concen: 5.28 ng

RT: 12.64 min Scan# 919

Delta R.T. -0.03 min

Lab File: BF082040.D

Acq: 4 Oct 2015 00:24

Instrument :

BNA_F

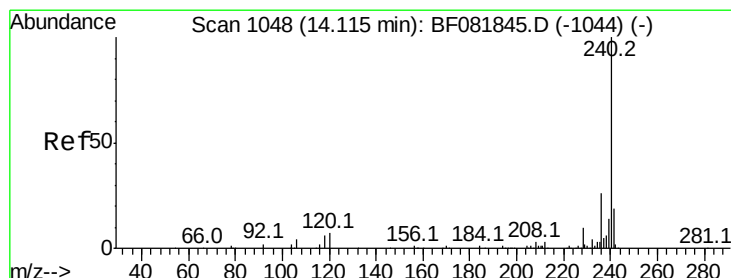
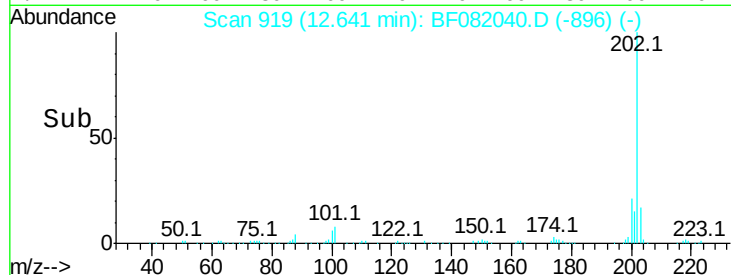
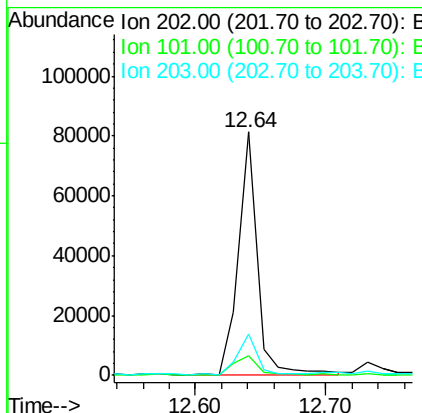
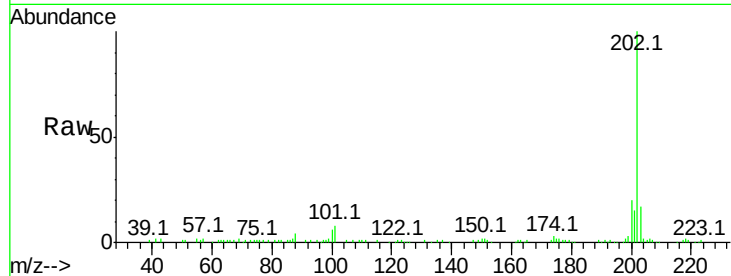
ClientSampled :

SS-9(0-2)

Tot Ion:	202	Resp:	82129
Ion Ratio	Lower	Upper	
202	100		
101	8.3	0.0	38.3
203	17.2	0.0	37.3

Manual Integrations
APPROVED

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#75

Chrysene-d12

Concen: 20.00 ng

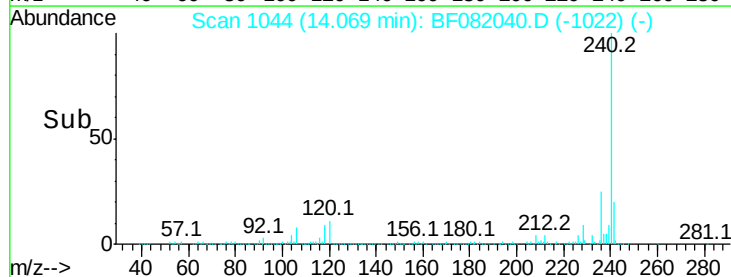
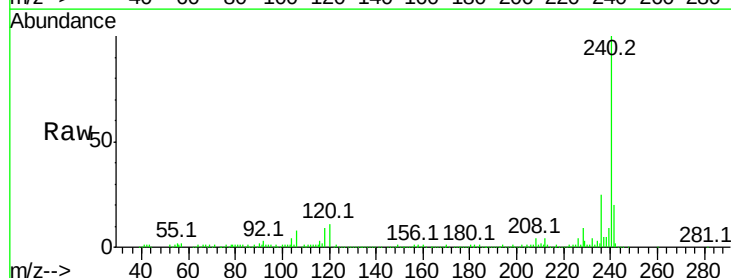
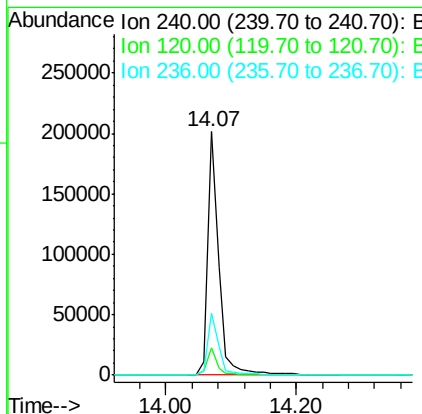
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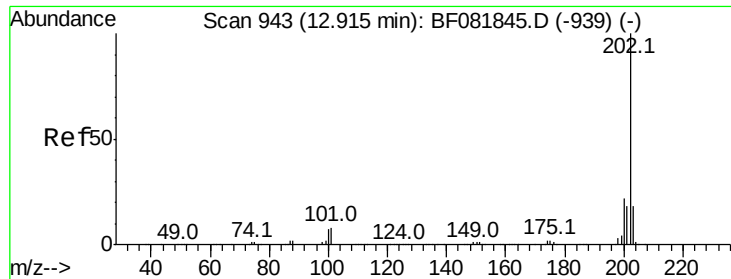
Delta R.T. -0.05 min

Lab File: BF082040.D

Acq: 4 Oct 2015 00:24

Tgt Ion:	240	Resp:	238645
Ion Ratio	Lower	Upper	
240	100		
120	11.0	16.2	24.2#
236	25.3	18.4	27.6





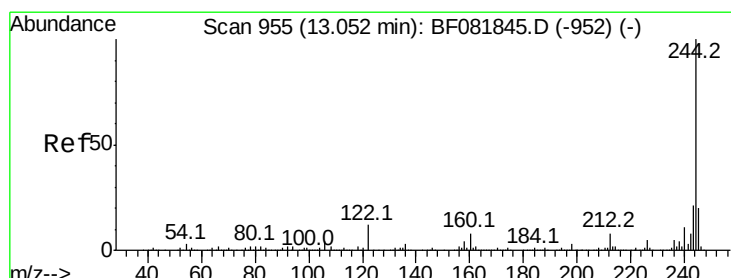
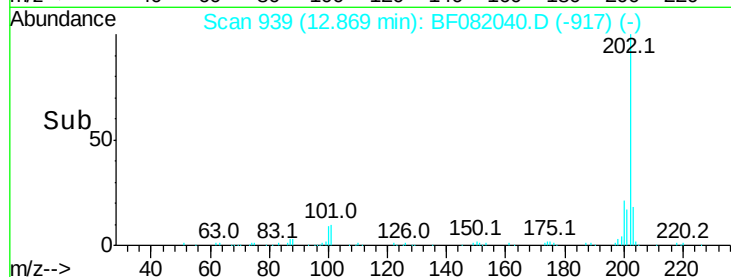
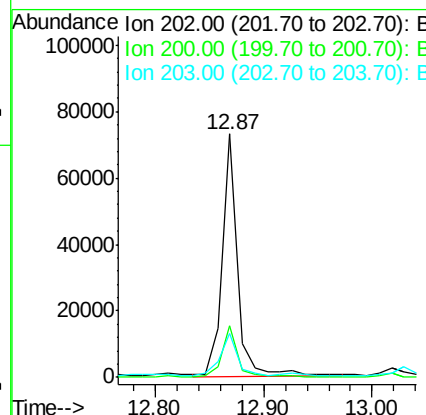
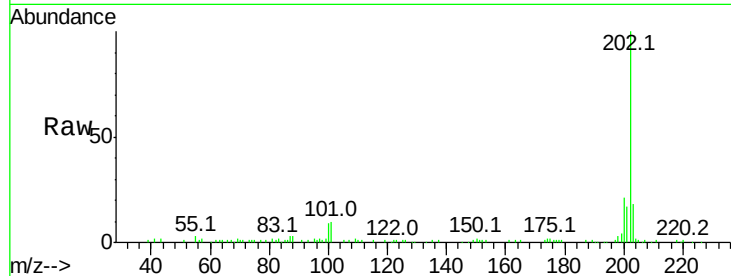
#77
Pvrene
Concen: 5.14 ng
RT: 12.87 min Scan# 939
Delta R.T. -0.05 min
Lab File: BF082040.D
Acq: 4 Oct 2015 00:24

Instrument :
BNA_F
ClientSampleId :
SS-9(0-2)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	15.0	22.4
203	17.9	14.1	21.1

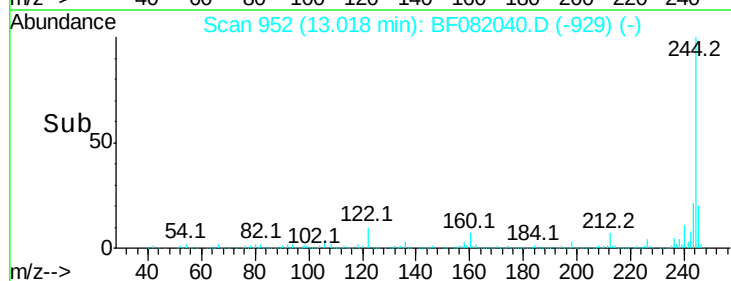
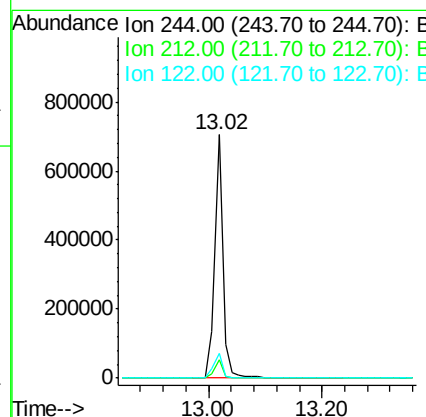
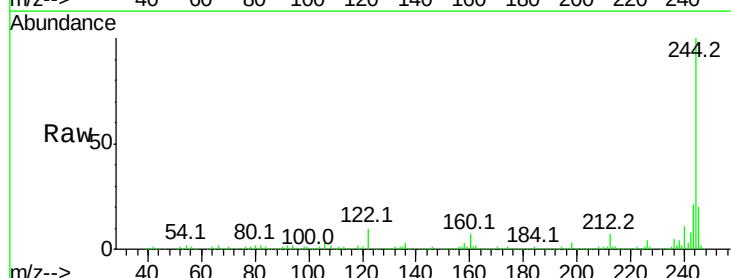
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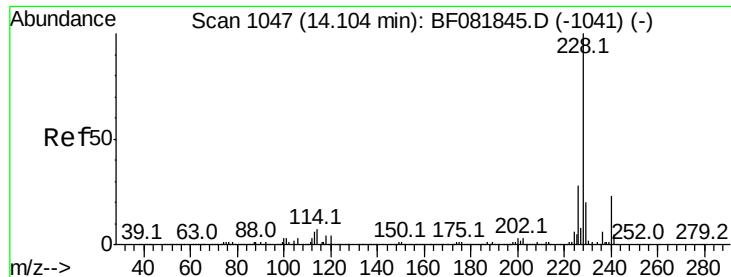
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#78
Terphenyl-d14
Concen: 96.75 ng
RT: 13.02 min Scan# 952
Delta R.T. -0.03 min
Lab File: BF082040.D
Acq: 4 Oct 2015 00:24

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	4.3	6.5#
122	9.9	17.4	26.2#





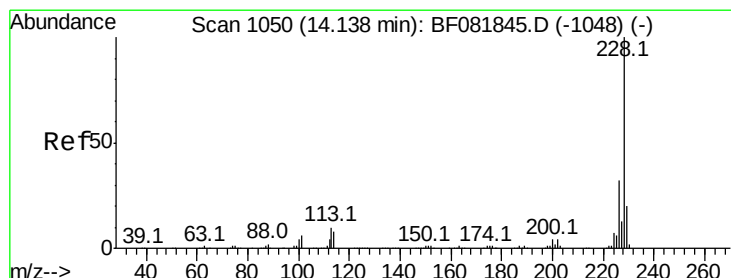
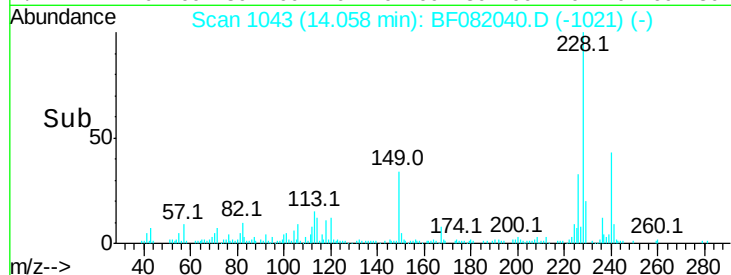
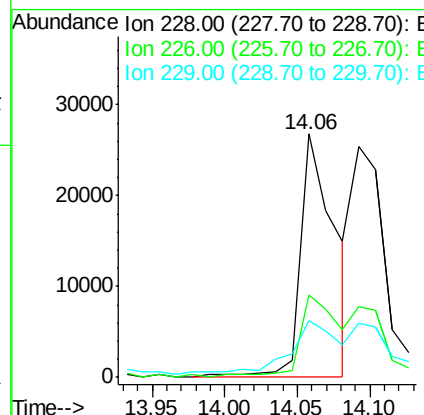
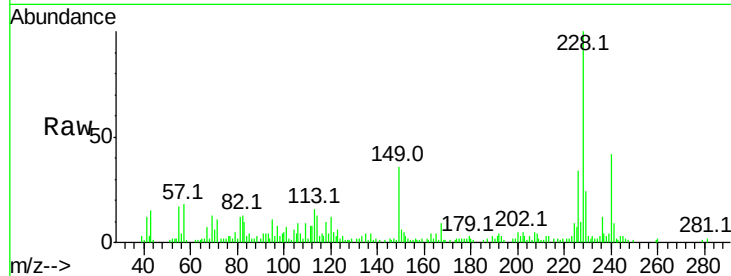
#80
Benzo(a)anthracene
Concen: 3.43 ng
RT: 14.06 min Scan# 1043
Delta R.T. -0.05 min
Lab File: BF082040.D
Acq: 4 Oct 2015 00:24

Instrument :
BNA_F
ClientSampleId :
SS-9(0-2)

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.7	20.0	30.0#
229	23.5	15.4	23.2#

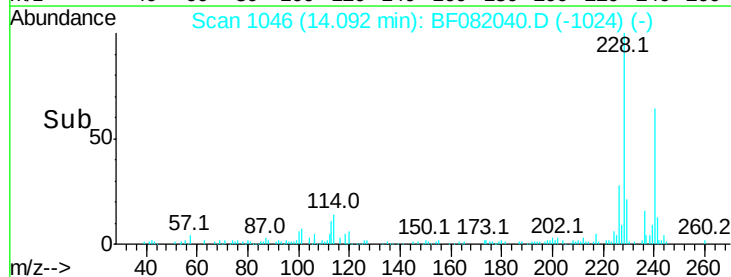
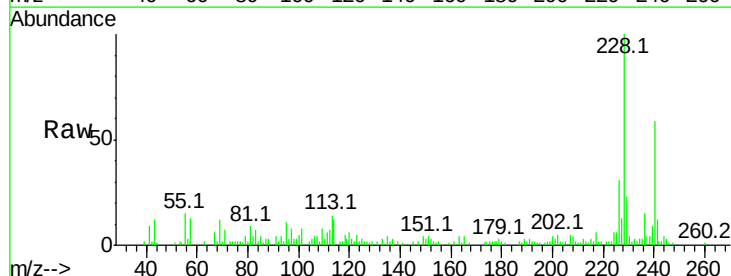
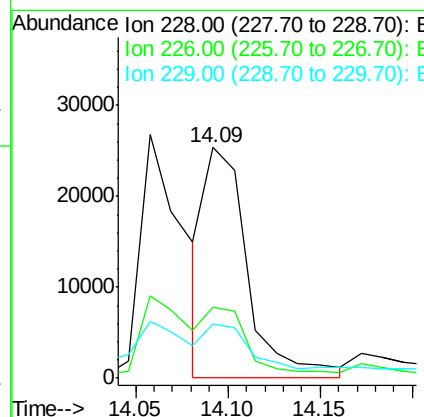
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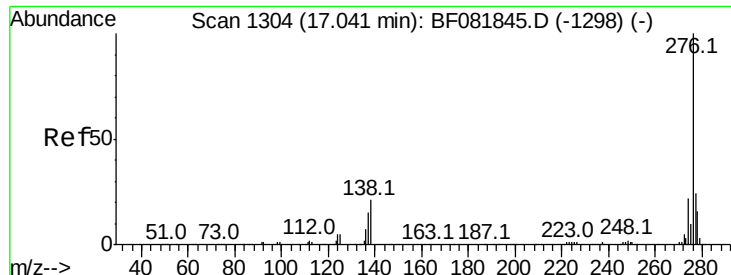
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#82
Chrysene
Concen: 3.33 ng m
RT: 14.09 min Scan# 1046
Delta R.T. -0.04 min
Lab File: BF082040.D
Acq: 4 Oct 2015 00:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	21.0	31.4
229	23.4	15.6	23.4





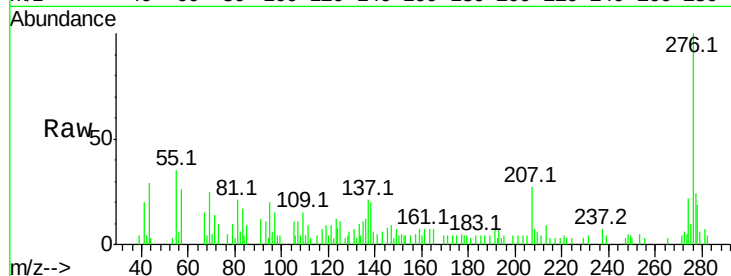
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.43 ng/ml
 RT: 16.98 min Scan# 1299
 Delta R.T. -0.06 min
 Lab File: BF082040.D
 Acq: 4 Oct 2015 00:24

Instrument :
 BNA_F
 ClientSampleID :
 SS-9(0-2)

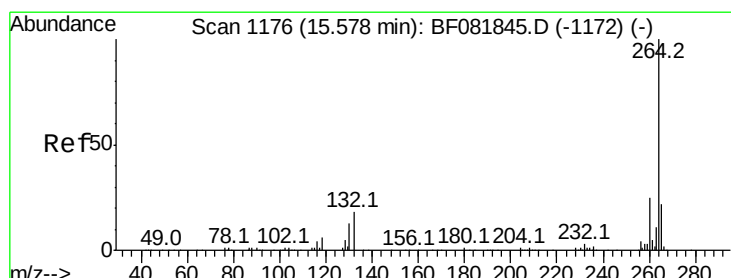
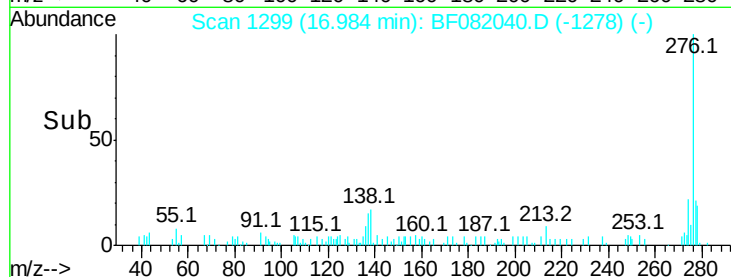
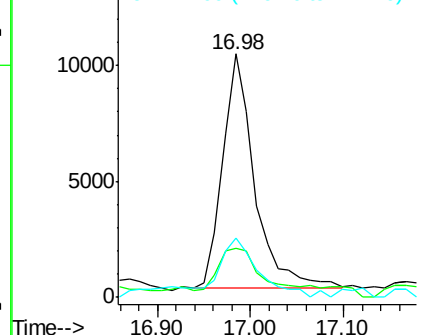
Tot Ion	Ratio	Lower	Upper
276	100		
138	39.7	25.7	38.5#
277	30.0	15.6	23.4#

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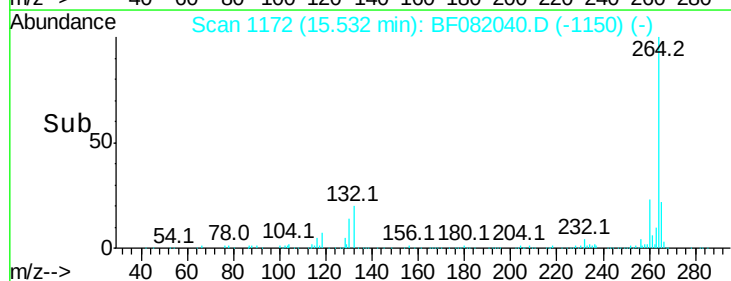
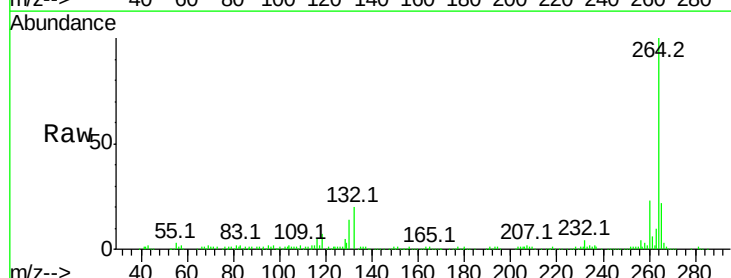
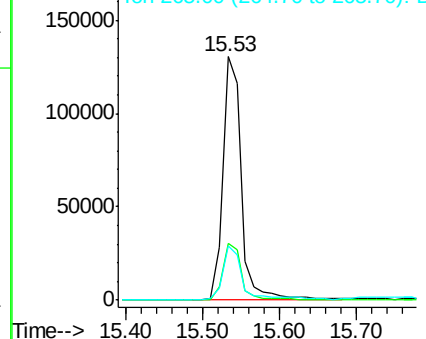
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

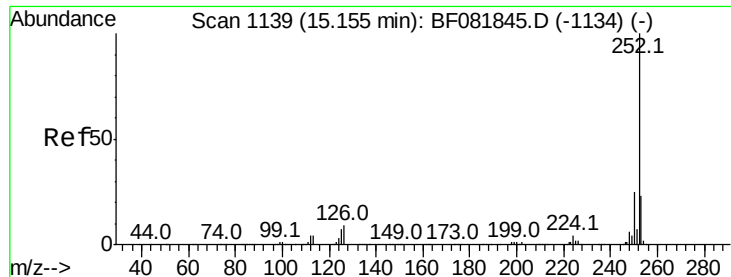


#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.53 min Scan# 1172
 Delta R.T. -0.05 min
 Lab File: BF082040.D
 Acq: 4 Oct 2015 00:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	16.7	25.1
265	22.4	17.2	25.8

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: 4.68 ng m

RT: 15.11 min Scan# 1135

Delta R.T. -0.05 min

Lab File: BF082040.D

Acq: 4 Oct 2015 00:24

Instrument :

BNA_F

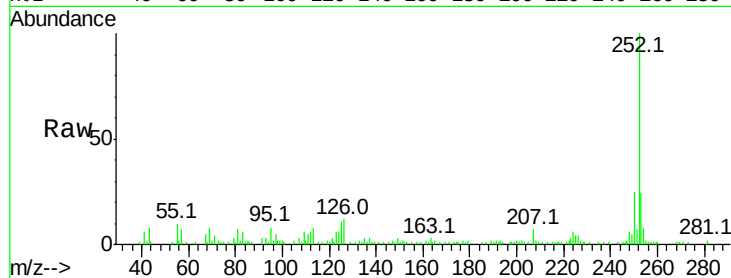
ClientSampleId :

SS-9(0-2)

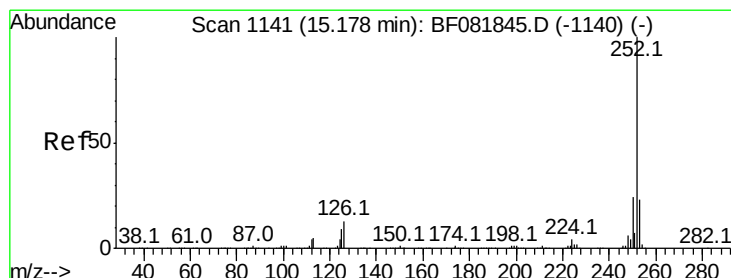
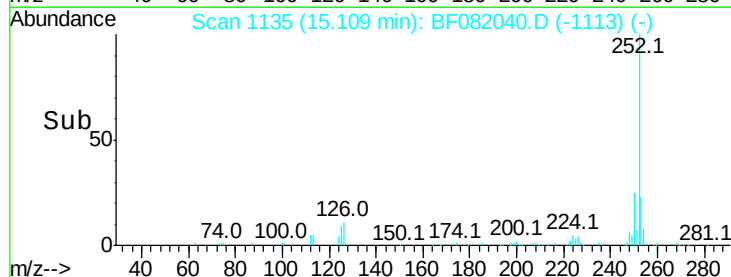
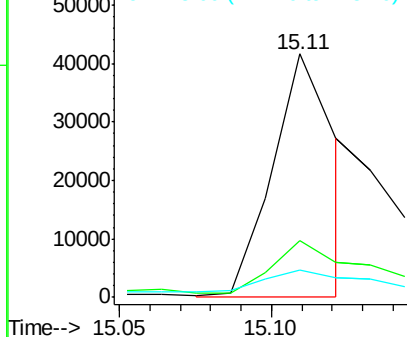
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	11.4	17.1	25.7#

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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



#88

Benzo(k)fluoranthene

Concen: 2.71 ng m

RT: 15.12 min Scan# 1136

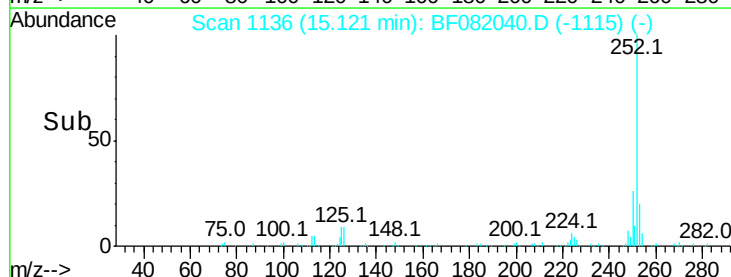
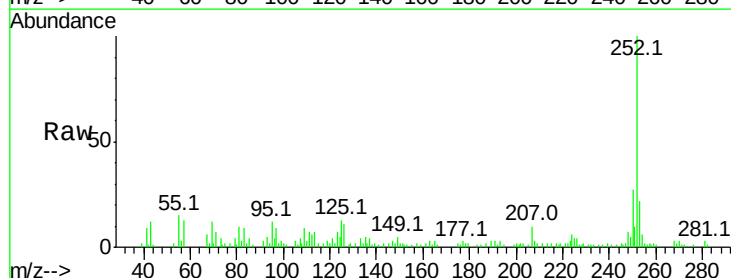
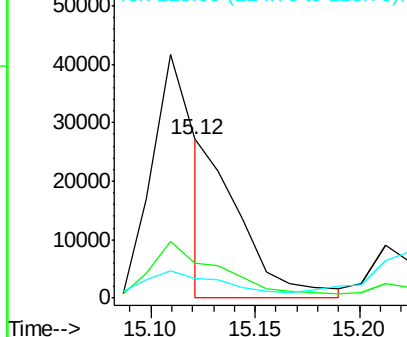
Delta R.T. -0.06 min

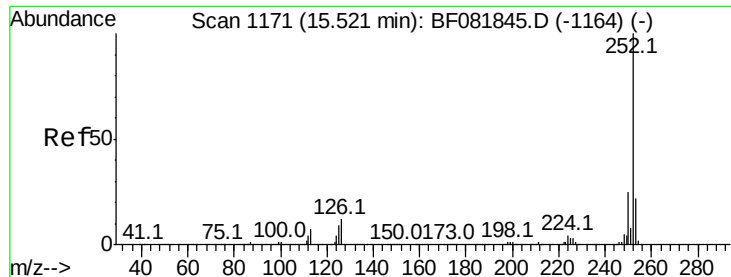
Lab File: BF082040.D

Acq: 4 Oct 2015 00:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.0	25.4
125	12.8	16.0	24.0#

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





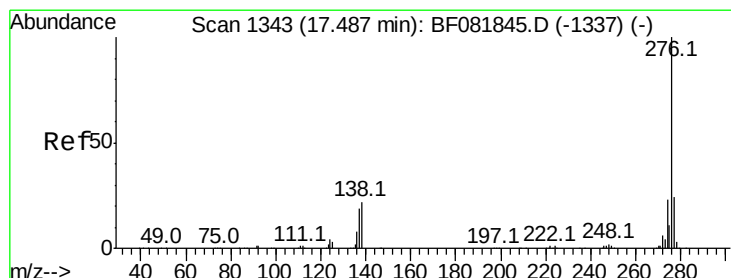
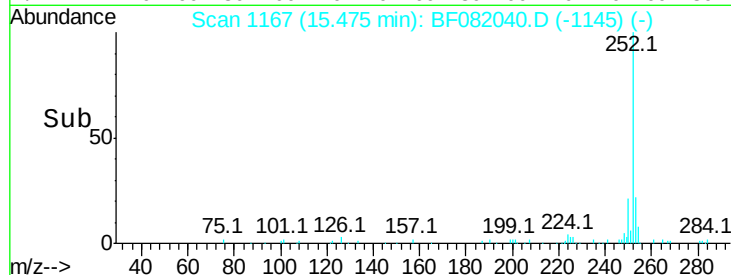
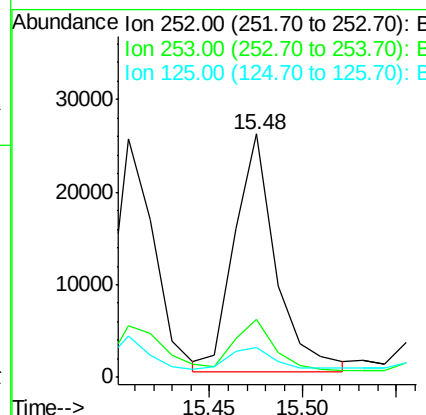
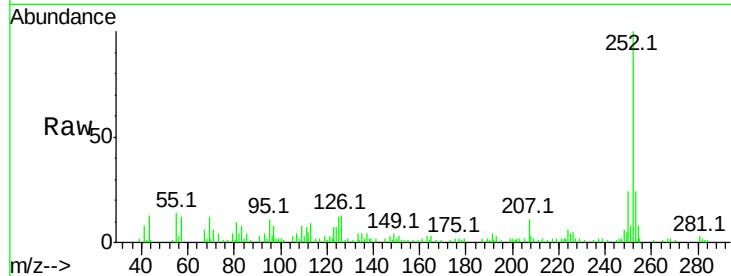
#89
Benzo(a)pyrene
Concen: 3.61 ng
RT: 15.48 min Scan# 1167
Delta R.T. -0.05 min
Lab File: BF082040.D
Acq: 4 Oct 2015 00:24

Instrument :
BNA_F
ClientSampleId :
SS-9(0-2)

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.8	17.2	25.8
125	12.3	18.0	27.0#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.86 ng
RT: 17.42 min Scan# 1337
Delta R.T. -0.07 min
Lab File: BF082040.D
Acq: 4 Oct 2015 00:24

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	24.9	17.8	26.6
138	25.2	34.6	51.8#

