

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031616\
 Data File : BF085485.D
 Acq On : 17 Mar 2016 2:28
 Operator : UM/SJ
 Sample : H1792-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1

Manual Integrations
 APPROVED

Sohil
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Quant Time: Mar 17 03:13:25 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	117234	20.00	ng	-0.01
21) Naphthalene-d8	8.18	136	486062	20.00	ng	-0.02
38) Acenaphthene-d10	9.94	164	217816	20.00	ng	-0.01
63) Phenanthrene-d10	11.43	188	386024	20.00	ng	-0.01
75) Chrysene-d12	14.06	240	223797	20.00	ng	-0.02
86) Perylene-d12	15.51	264	217928	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	906449	132.91	ng	-0.01
7) Phenol-d6	6.53	99	1122750	126.91	ng	-0.02
23) Nitrobenzene-d5	7.46	82	733850	89.27	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	275422	137.29	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	1167679	93.00	ng	-0.02
78) Terphenyl-d14	13.01	244	847055	85.62	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.66	163	276393	17.39	ng	98
70) Phenanthrene	11.45	178	142740	7.10	ng	96
71) Anthracene	11.50	178	43396	2.12	ng	97
74) Fluoranthene	12.63	202	169449	8.97	ng	95
77) Pyrene	12.86	202	136000	8.10	ng	98
80) Benzo(a)anthracene	14.05	228	59618	4.65	ng	99
82) Chrysene	14.08	228	39582	3.43	ng	97
85) Indeno(1,2,3-cd)pyrene	16.93	276	33359	3.05	ng	# 90
87) Benzo(b)fluoranthene	15.09	252	51866m	3.64	ng	
88) Benzo(k)fluoranthene	15.10	252	22677m	2.03	ng	
89) Benzo(a)pyrene	15.44	252	40728	3.31	ng	# 98
91) Benzo(a,h,i)perylene	17.36	276	33958	2.77	ng	96

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

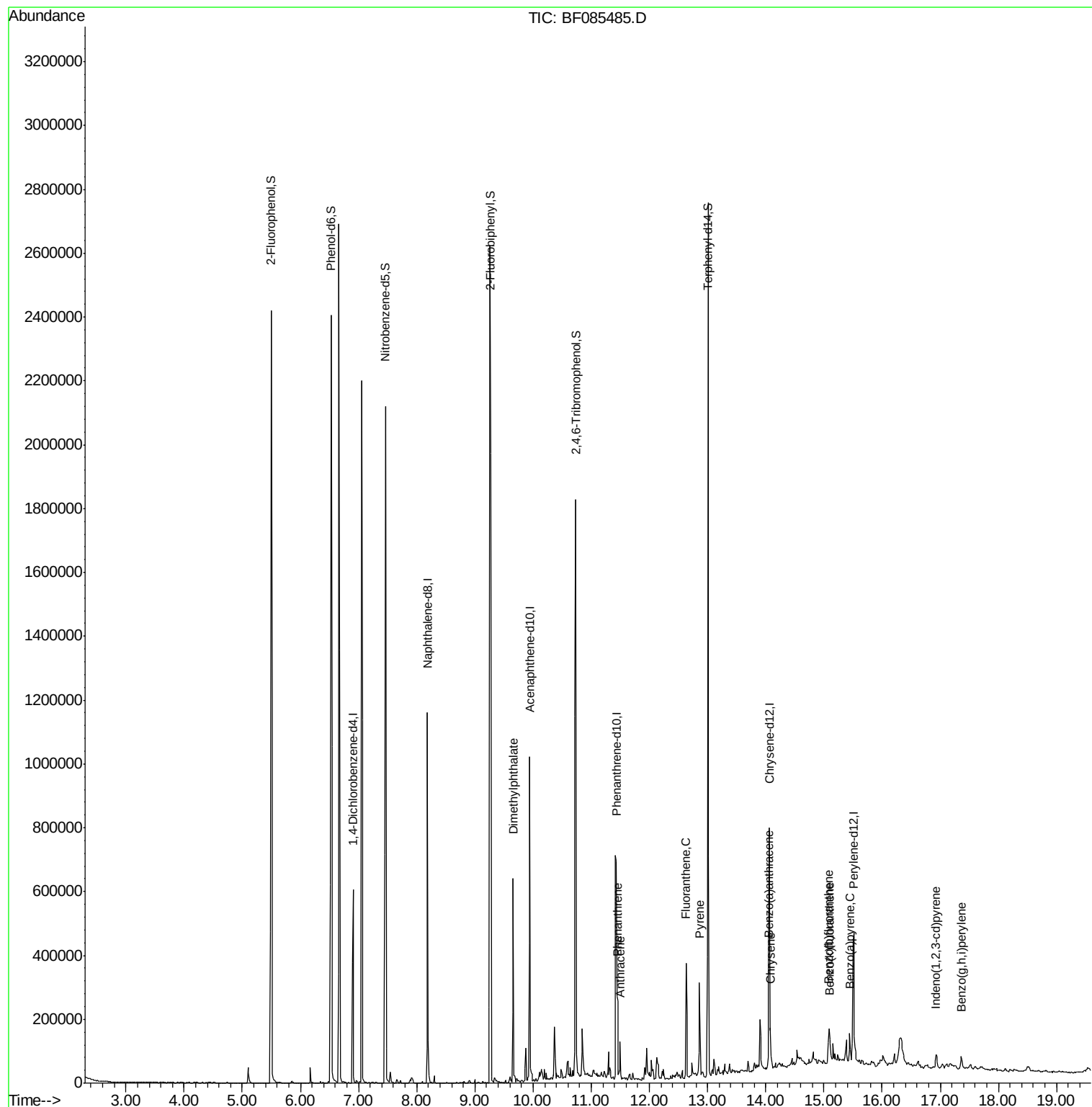
Data Path : Z:\HPCHEM1\BNA F\DATA\BF031616\
Data File : BF085485.D
Acq On : 17 Mar 2016 2:28
Operator : UM/SJ
Sample : H1792-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

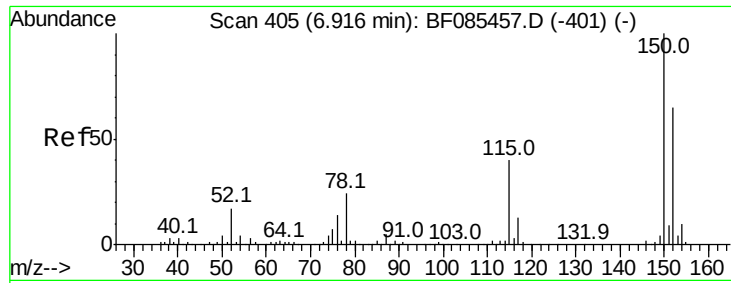
Instrument :
BNA_F
ClientSampleId :
SP-1

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Quant Time: Mar 17 03:13:25 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031516.M
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#1

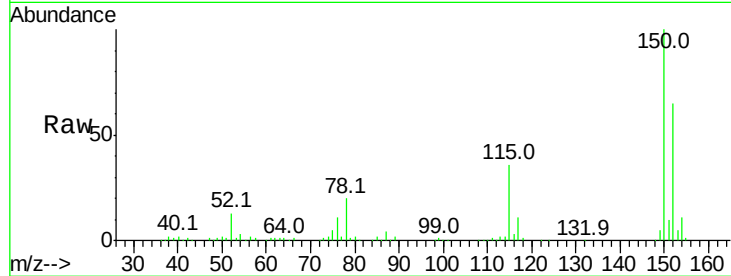
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 404
Delta R.T. -0.01 min
Lab File: BF085485.D
Acq: 17 Mar 2016 2:28

Instrument :
BNA_F
ClientSampled :
SP-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	124.6	186.8
115	54.8	46.6	70.0

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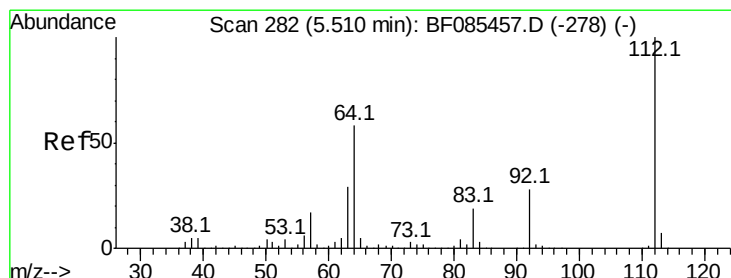
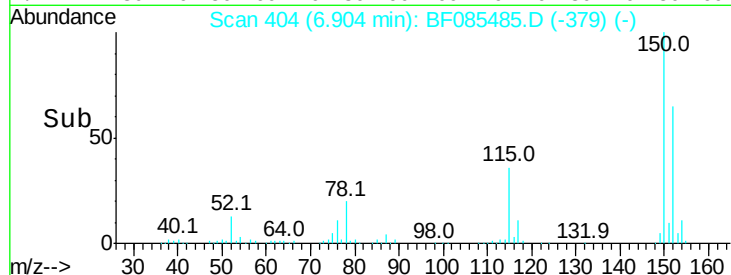
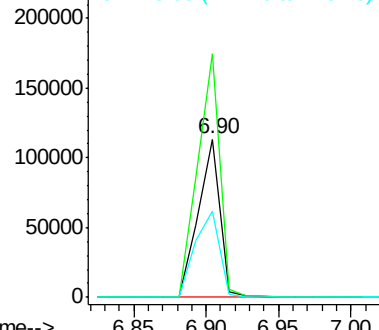


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

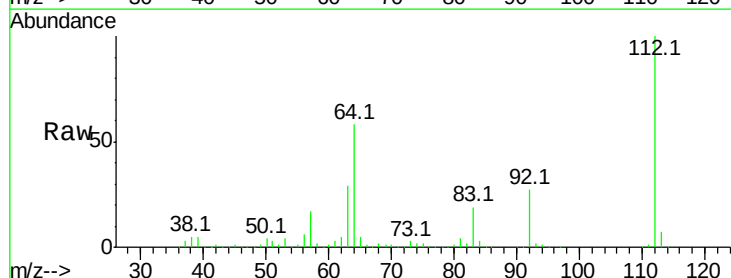
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 132.91 ng
RT: 5.50 min Scan# 281
Delta R.T. -0.01 min
Lab File: BF085485.D
Acq: 17 Mar 2016 2:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.5	49.0	73.4
63	29.3	24.8	37.2

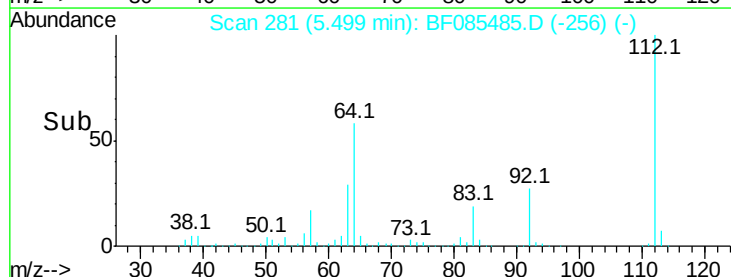
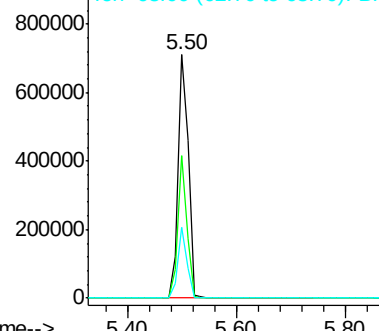


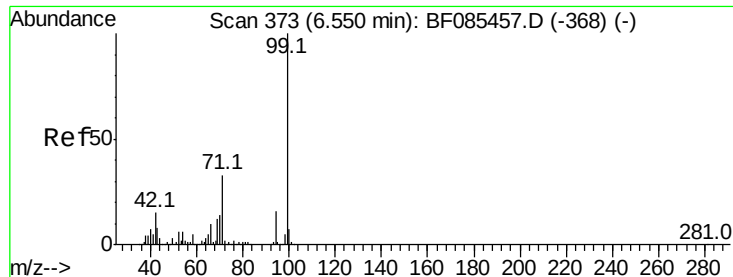
Abundance

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: 126.91 ng

RT: 6.53 min Scan# 371

Delta R.T. -0.02 min

Lab File: BF085485.D

Acq: 17 Mar 2016 2:28

Instrument :

BNA_F

ClientSampleId :

SP-1

Tot Ion: 99 Resp: 1122750

Ion Ratio Lower Upper

99 100

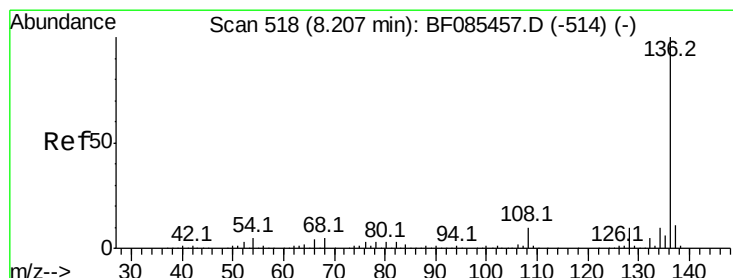
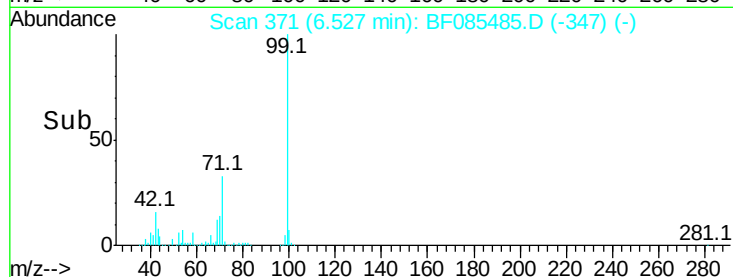
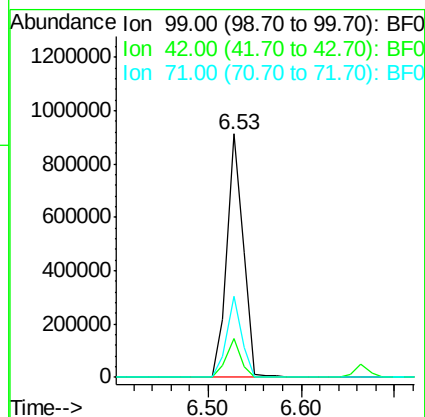
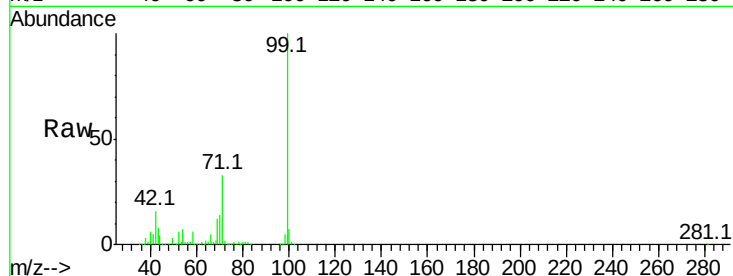
42 16.0 13.6 20.4

71 33.3 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: BF085485.D

Acq: 17 Mar 2016 2:28

Tgt Ion: 136 Resp: 486062

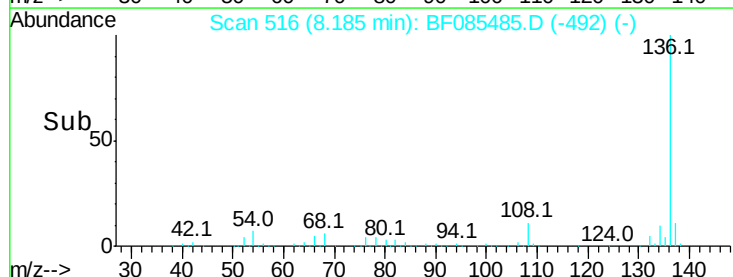
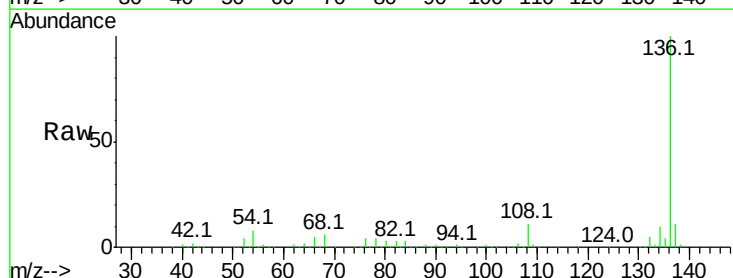
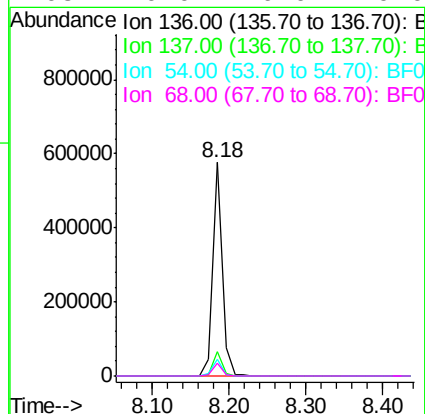
Ion Ratio Lower Upper

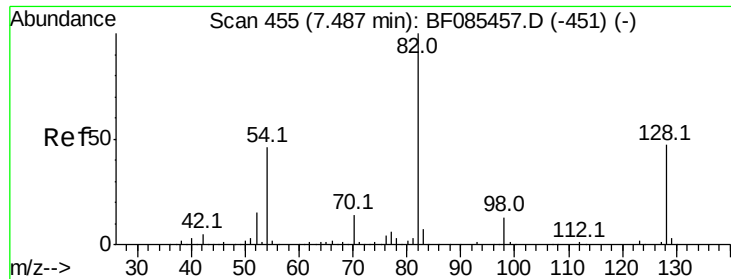
136 100

137 11.3 9.3 13.9

54 7.5 7.4 11.2

68 6.0 6.0 9.0





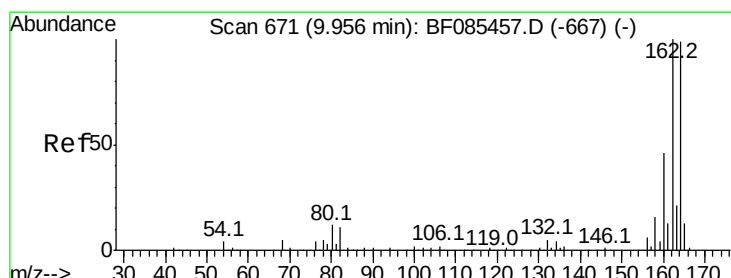
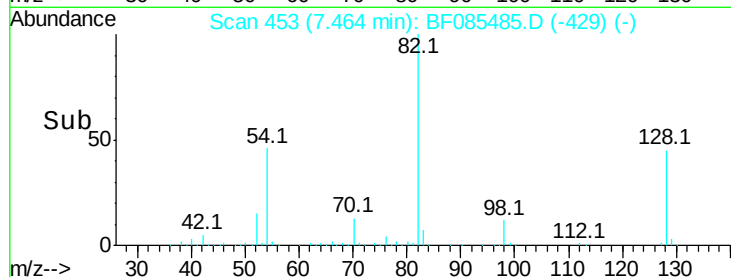
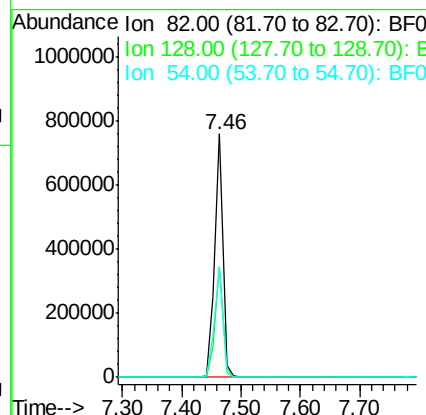
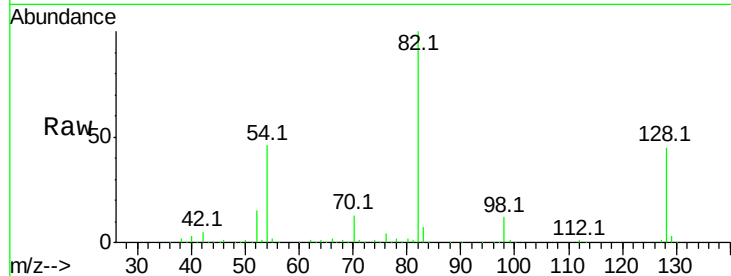
#23
 Nitrobenzene-d5
 Concen: 89.27 ng
 RT: 7.46 min Scan# 453
 Delta R.T. -0.02 min
 Lab File: BF085485.D
 Acq: 17 Mar 2016 2:28

Instrument :
 BNA_F
 ClientSampled :
 SP-1

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.5	34.5	51.7
54	45.6	39.3	58.9

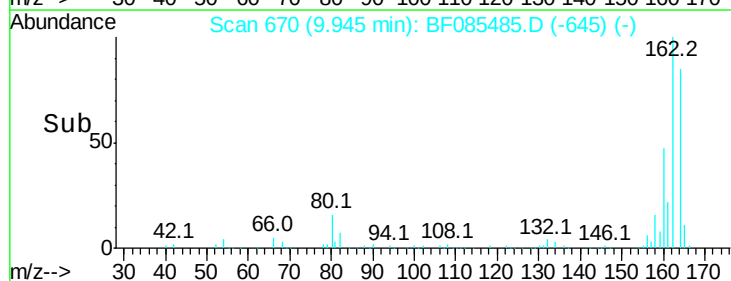
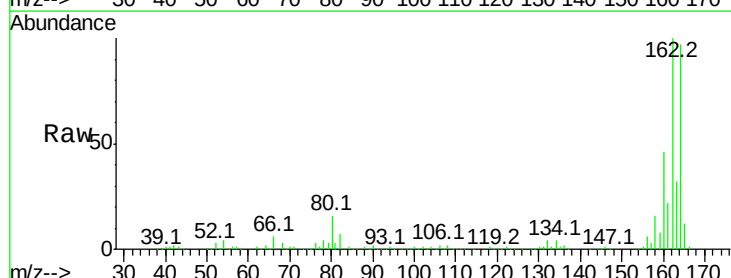
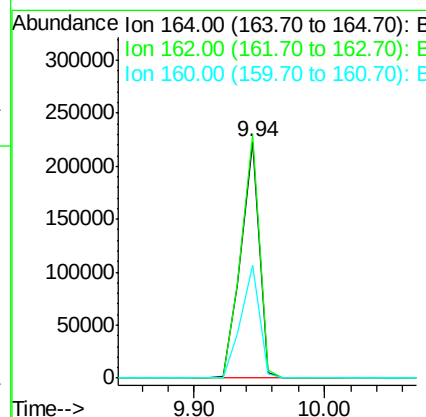
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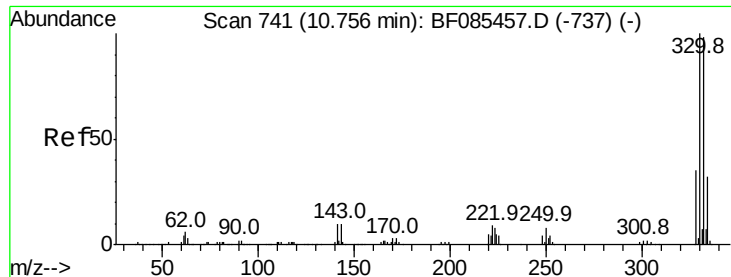
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.94 min Scan# 670
 Delta R.T. -0.01 min
 Lab File: BF085485.D
 Acq: 17 Mar 2016 2:28

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	83.3	124.9
160	47.7	37.9	56.9





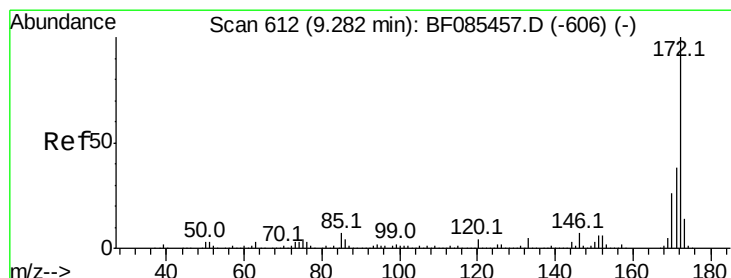
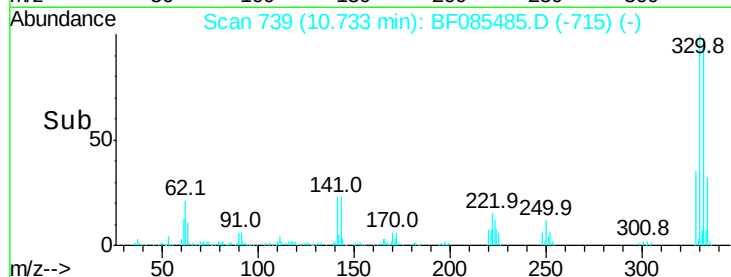
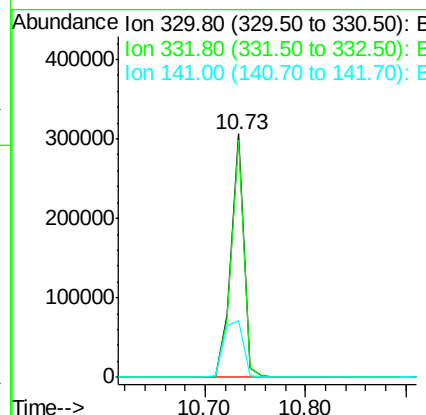
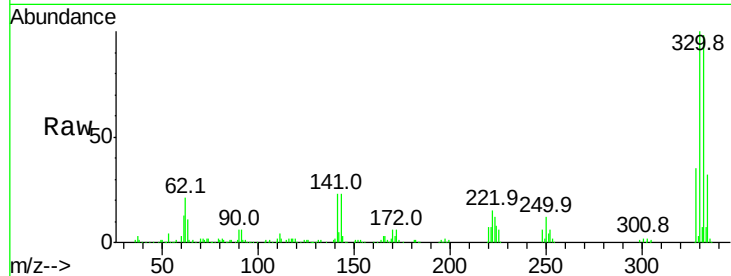
#41
 2,4,6-Tribromophenol
 Concen: 137.29 ng
 RT: 10.73 min Scan# 739
 Delta R.T. -0.02 min
 Lab File: BF085485.D
 Acq: 17 Mar 2016 2:28

Instrument :
 BNA_F
 ClientSampleId :
 SP-1

Tot Ion	Ratio	Resp	Lower	Upper
330	100	275422		
332	97.2	77.1	115.7	
141	36.1	35.0	52.6	

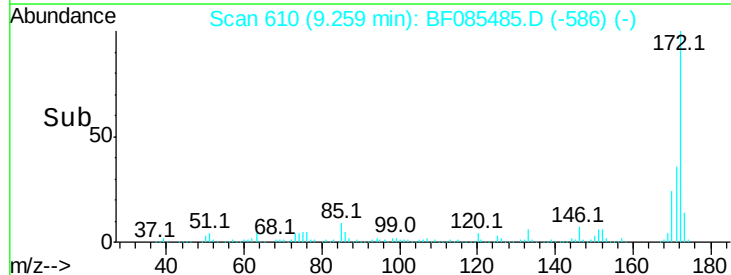
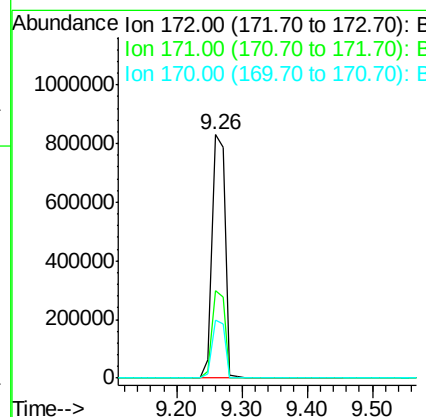
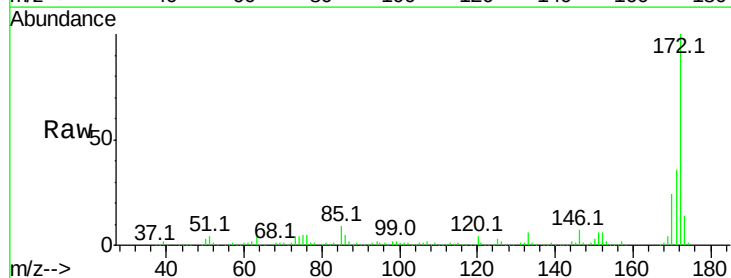
Manual Integrations
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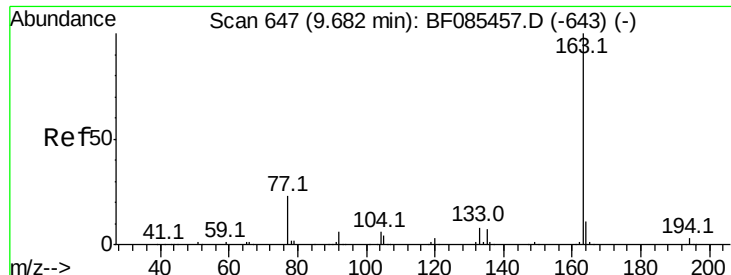
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#44
 2-Fluorobiphenyl
 Concen: 93.00 ng
 RT: 9.26 min Scan# 610
 Delta R.T. -0.02 min
 Lab File: BF085485.D
 Acq: 17 Mar 2016 2:28

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1167679		
171	35.9	29.3	43.9	
170	23.9	20.0	30.0	





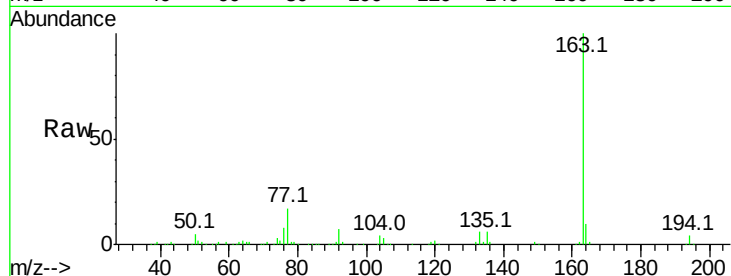
#49
Dimethylphthalate
Concen: 17.39 ng
RT: 9.66 min Scan# 645
Delta R.T. -0.02 min
Lab File: BF085485.D
Acq: 17 Mar 2016 2:28

Instrument :
BNA_F
ClientSampleId :
SP-1

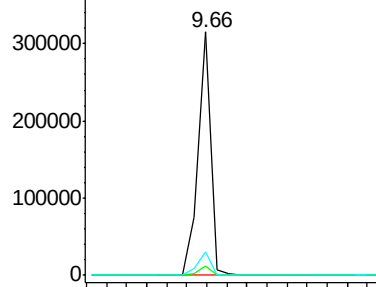
Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.7	3.1	4.7
164	9.5	8.2	12.4

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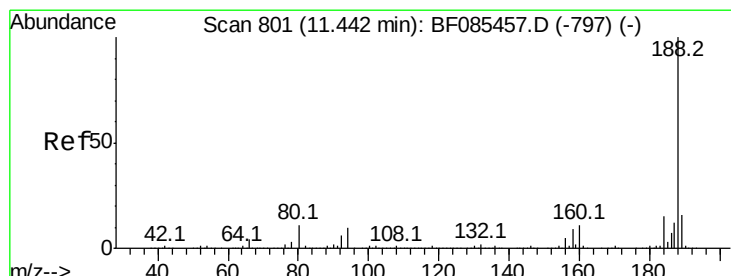
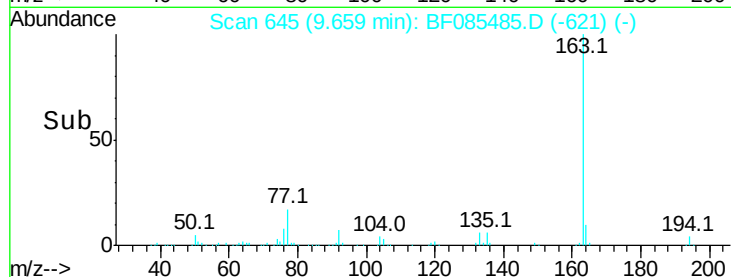
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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

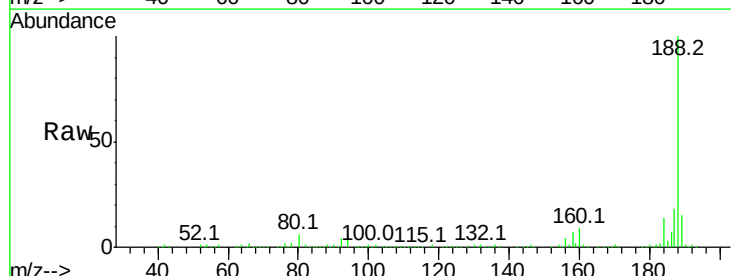


Time-->

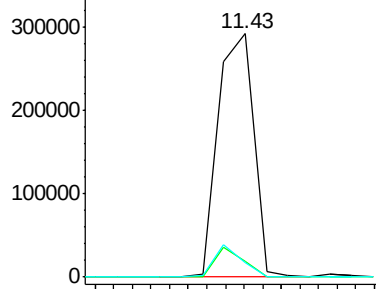


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.43 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF085485.D
Acq: 17 Mar 2016 2:28

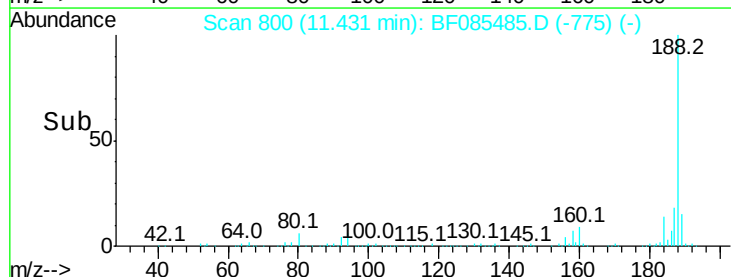
Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	6.2	7.0	10.6#
80	6.0	7.4	11.0#

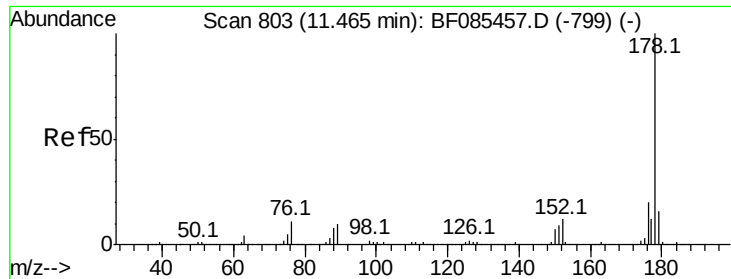


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0



Time-->





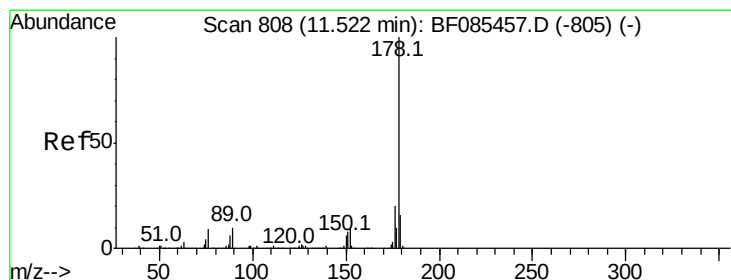
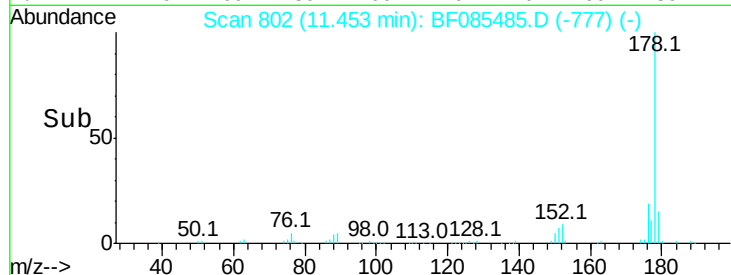
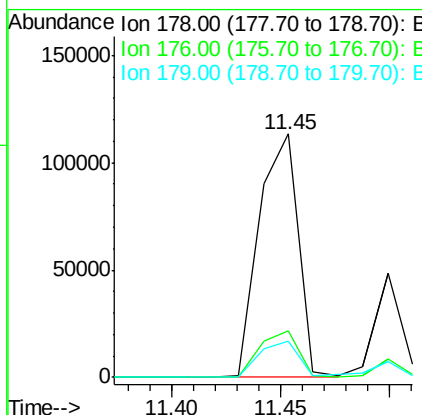
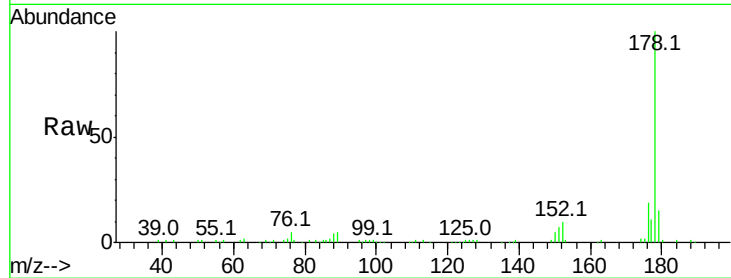
#70
Phenanthrene
Concen: 7.10 ng
RT: 11.45 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF085485.D
Acq: 17 Mar 2016 2:28

Instrument :
BNA_F
ClientSampleId :
SP-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.8	25.2
179	14.9	13.1	19.7

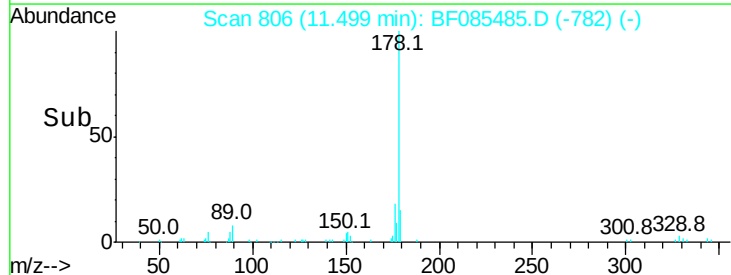
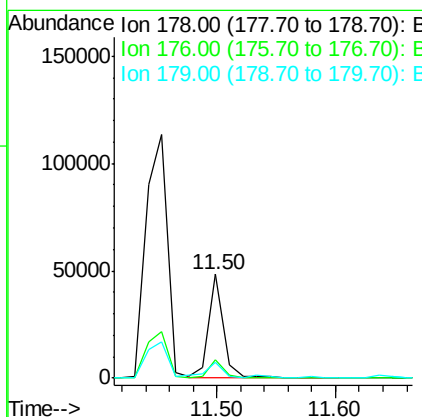
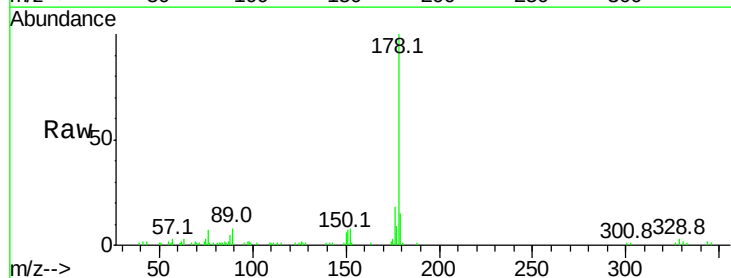
Manual Integrations
APPROVED

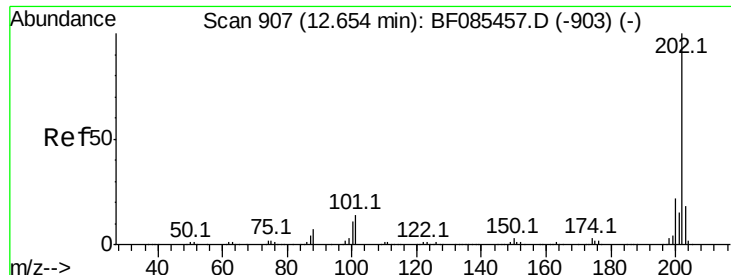
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#71
Anthracene
Concen: 2.12 ng
RT: 11.50 min Scan# 806
Delta R.T. -0.02 min
Lab File: BF085485.D
Acq: 17 Mar 2016 2:28

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.9	23.9
179	15.3	12.5	18.7





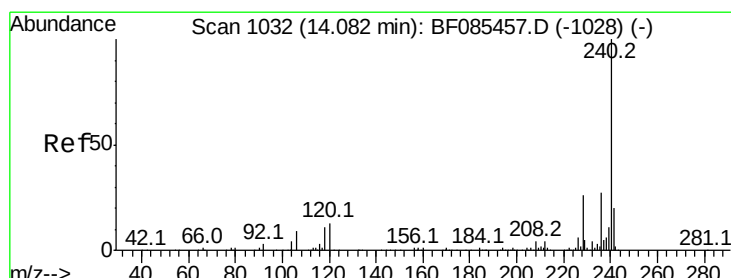
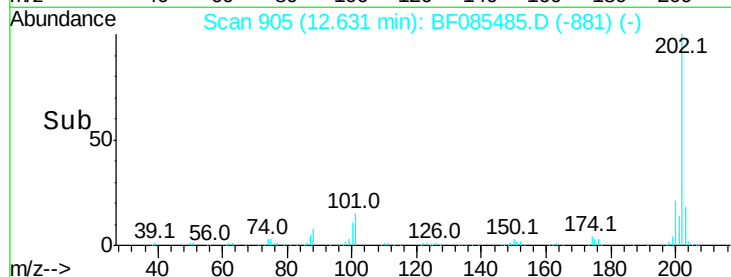
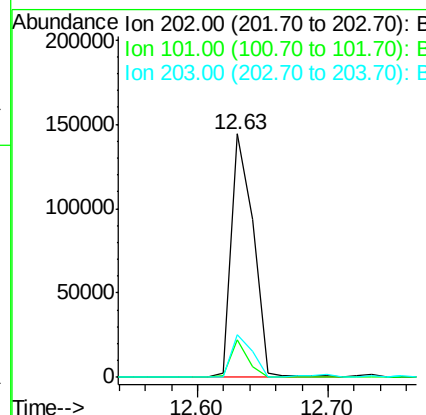
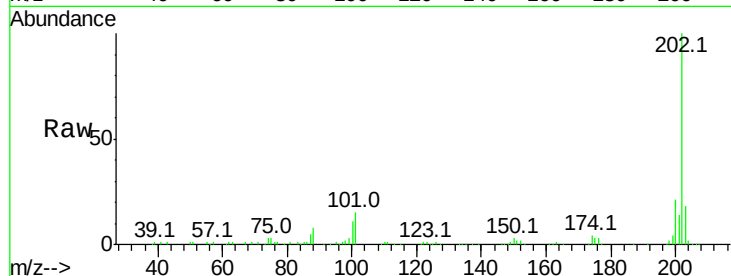
#74
Fluoranthene
Concen: 8.97 ng
RT: 12.63 min Scan# 905
Delta R.T. -0.02 min
Lab File: BF085485.D
Acq: 17 Mar 2016 2:28

Instrument :
BNA_F
ClientSampleId :
SP-1

Tot Ion	Ratio	Resp	Lower	Upper
202	100	169449		
101	15.4	0.0	31.8	
203	17.5	0.0	38.4	

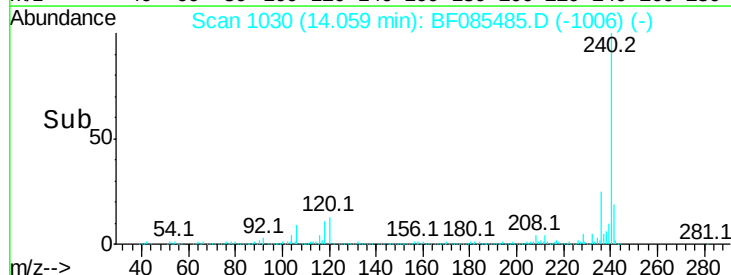
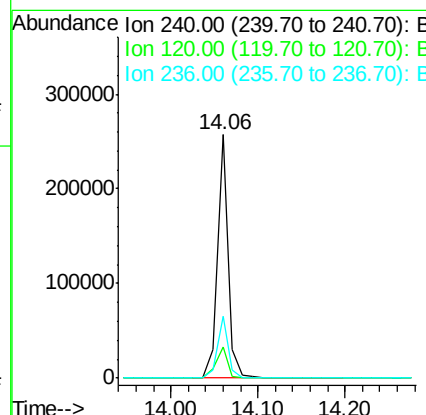
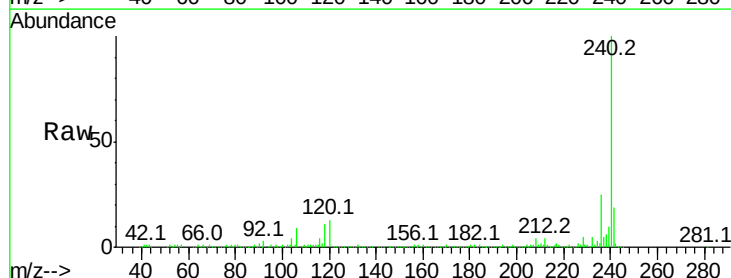
Manual Integrations
APPROVED

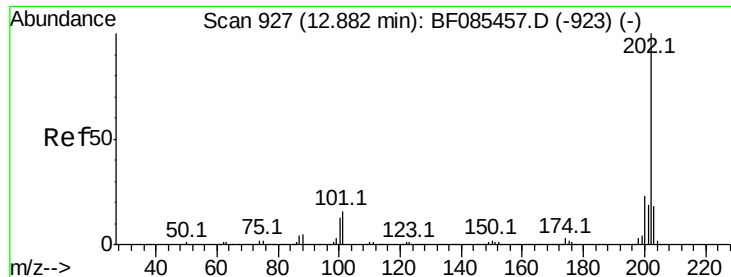
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.06 min Scan# 1030
Delta R.T. -0.02 min
Lab File: BF085485.D
Acq: 17 Mar 2016 2:28

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	223797		
120	12.6	5.3	7.9#	
236	25.5	20.7	31.1	





#77

Pvrene

Concen: 8.10 ng

RT: 12.86 min Scan# 925

Delta R.T. -0.02 min

Lab File: BF085485.D

Acq: 17 Mar 2016 2:28

Instrument :

BNA_F

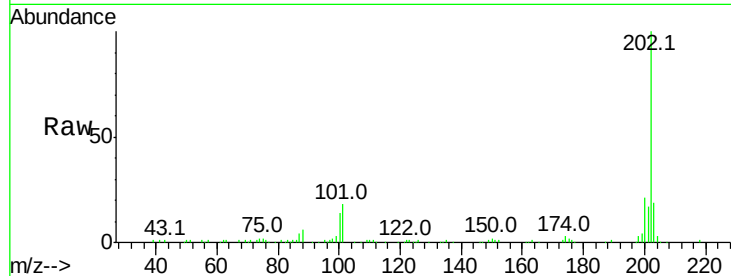
ClientSampleId :

SP-1

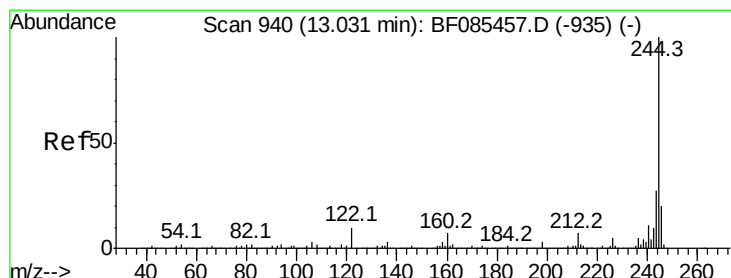
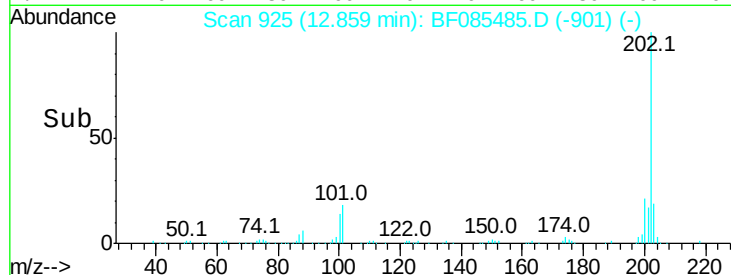
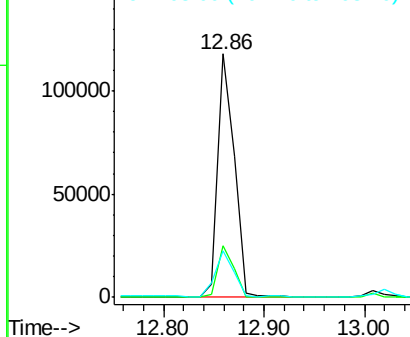
Tot Ion:	202	Resp:	136000
Ion Ratio	Lower	Upper	
202	100		
200	21.2	18.2	27.4
203	18.8	14.7	22.1

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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: 85.62 ng

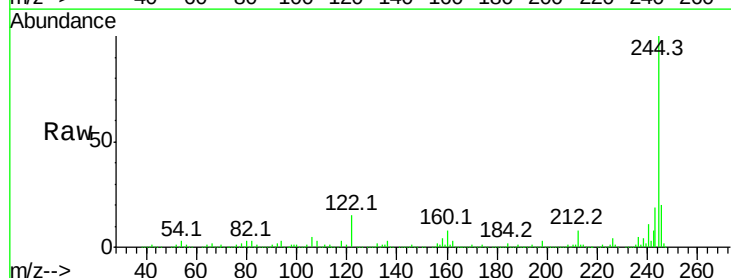
RT: 13.01 min Scan# 938

Delta R.T. -0.02 min

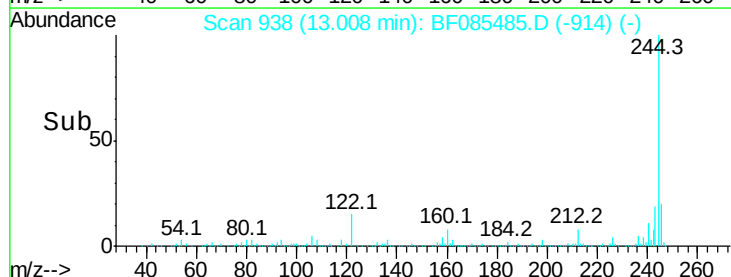
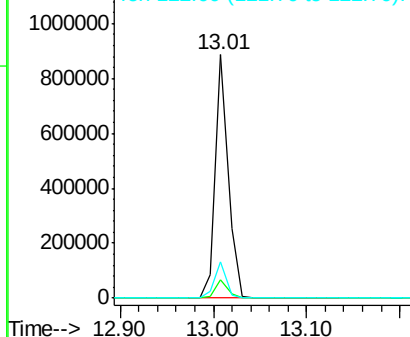
Lab File: BF085485.D

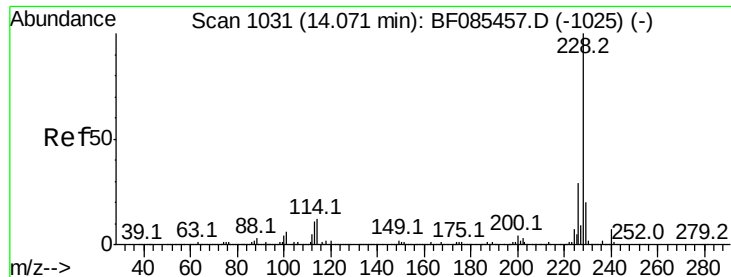
Acq: 17 Mar 2016 2:28

Tgt Ion:	244	Resp:	847055
Ion Ratio	Lower	Upper	
244	100		
212	7.7	6.4	9.6
122	14.8	11.4	17.2



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





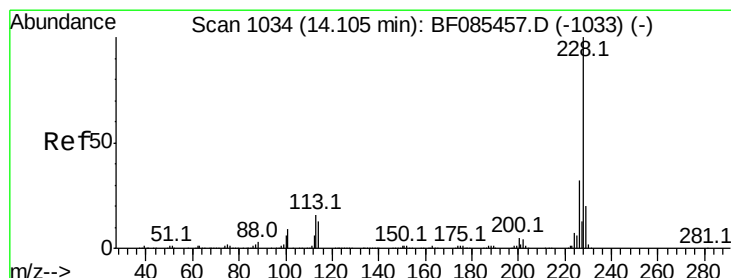
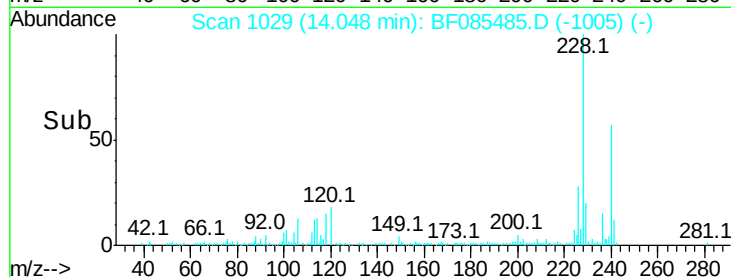
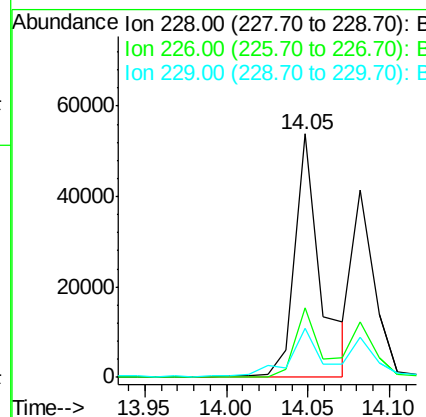
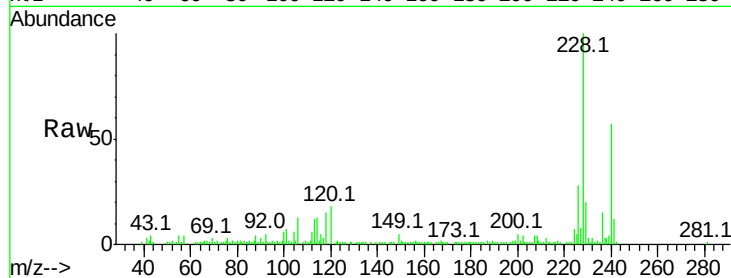
#80
Benzo(a)anthracene
Concen: 4.65 ng
RT: 14.05 min Scan# 1029
Delta R.T. -0.02 min
Lab File: BF085485.D
Acq: 17 Mar 2016 2:28

Instrument :
BNA_F
ClientSampled :
SP-1

Tot Ion	Ratio	Resp Lower	Upper
228	100		
226	28.4	22.8	34.2
229	20.2	16.6	24.8

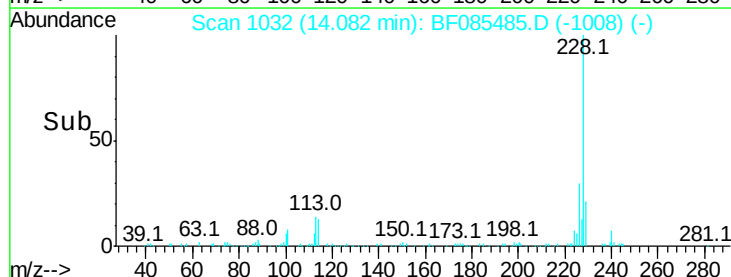
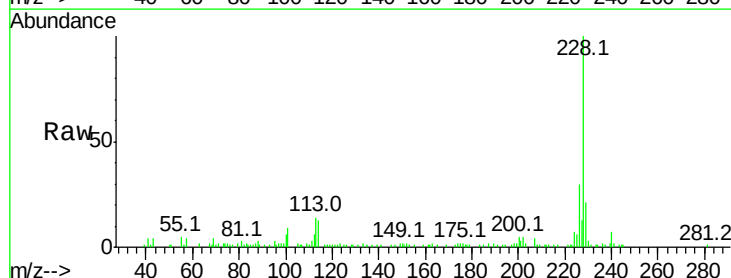
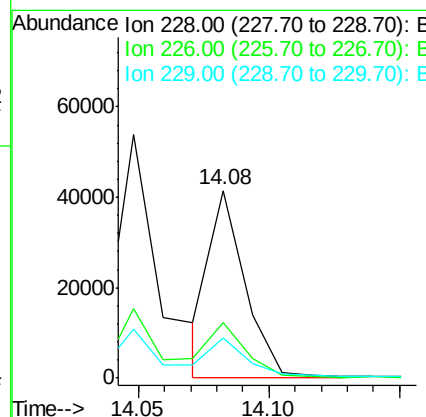
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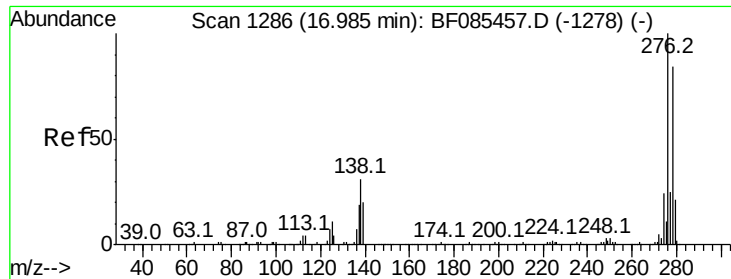
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#82
Chrysene
Concen: 3.43 ng
RT: 14.08 min Scan# 1032
Delta R.T. -0.02 min
Lab File: BF085485.D
Acq: 17 Mar 2016 2:28

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	29.9	25.2	37.8
229	21.4	16.0	24.0





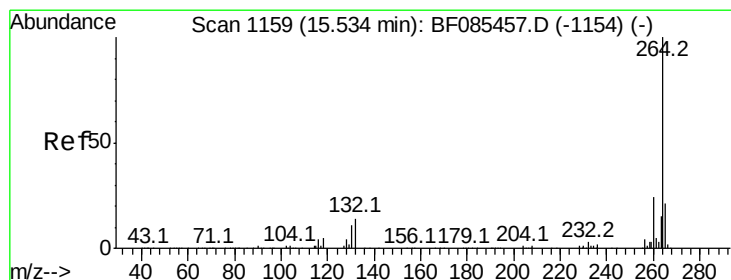
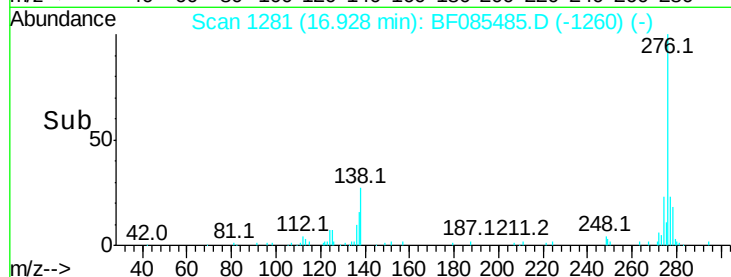
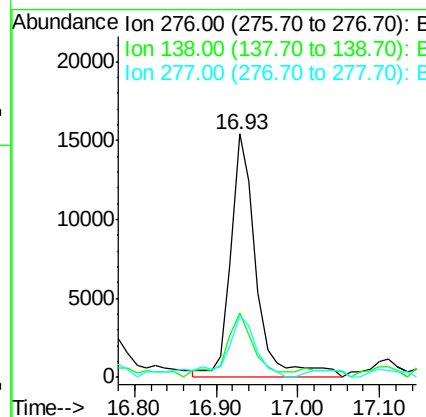
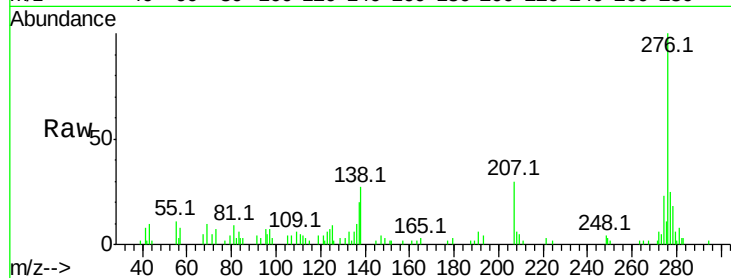
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.05 ng
RT: 16.93 min Scan# 1281
Delta R.T. -0.06 min
Lab File: BF085485.D
Acq: 17 Mar 2016 2:28

Instrument :
BNA_F
ClientSampleId :
SP-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.8	26.4	39.6
277	32.7	20.2	30.2

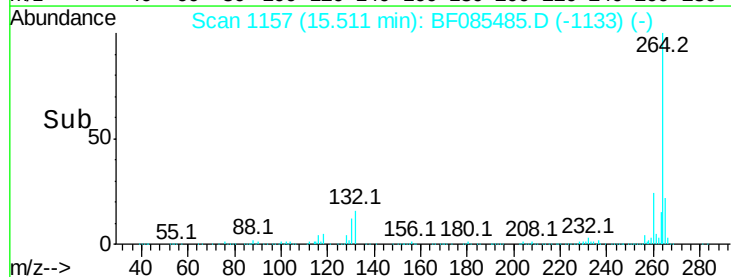
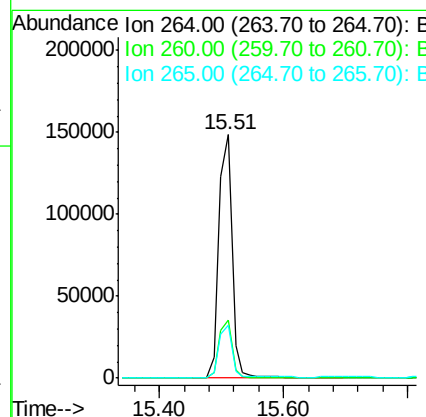
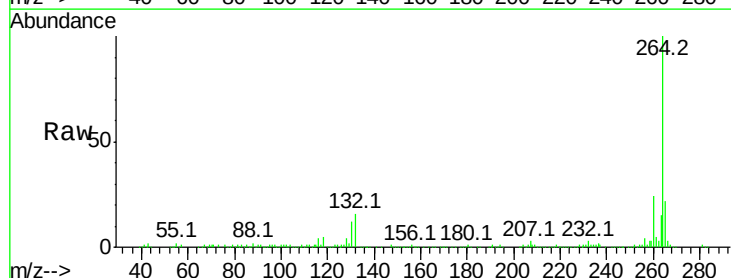
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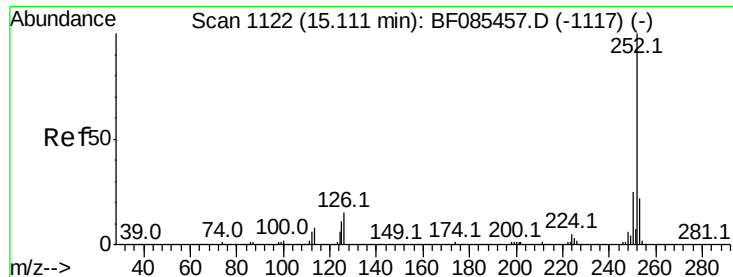
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 1157
Delta R.T. -0.02 min
Lab File: BF085485.D
Acq: 17 Mar 2016 2:28

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.8	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 3.64 ng m

RT: 15.09 min Scan# 1120

Delta R.T. -0.02 min

Lab File: BF085485.D

Acq: 17 Mar 2016 2:28

Instrument :

BNA_F

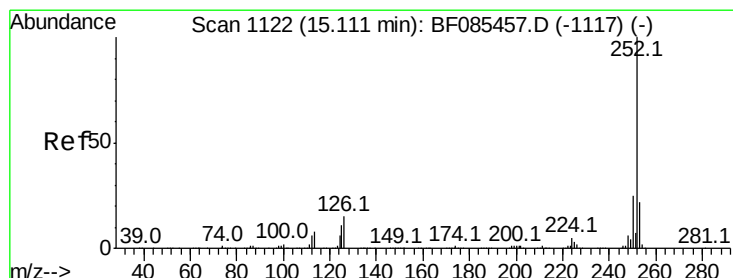
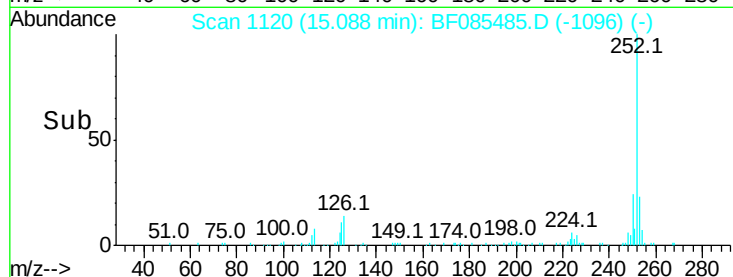
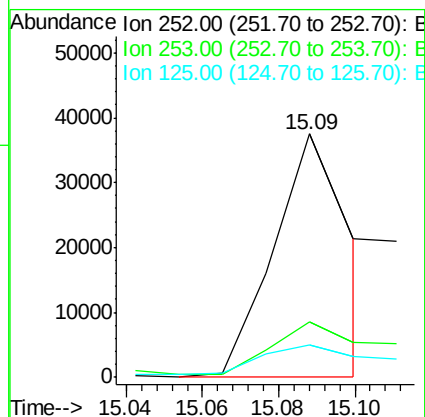
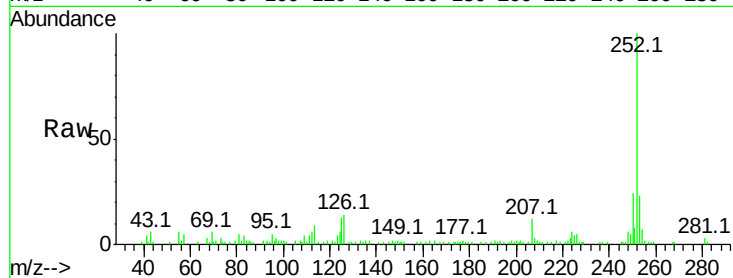
ClientSampled :

SP-1

Tot Ion:	252	Resp:	51866
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.8	26.6
125	13.1	11.3	16.9

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#88

Benzo(k)fluoranthene

Concen: 2.03 ng m

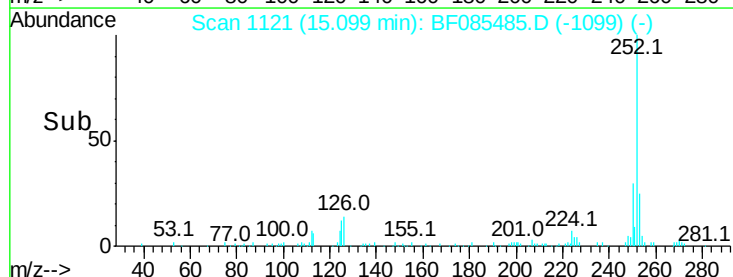
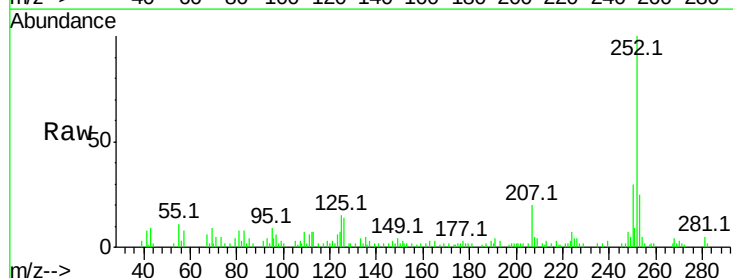
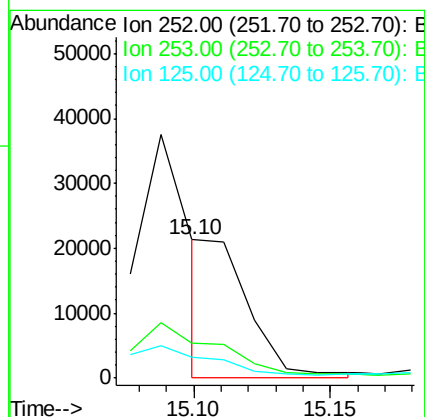
RT: 15.10 min Scan# 1121

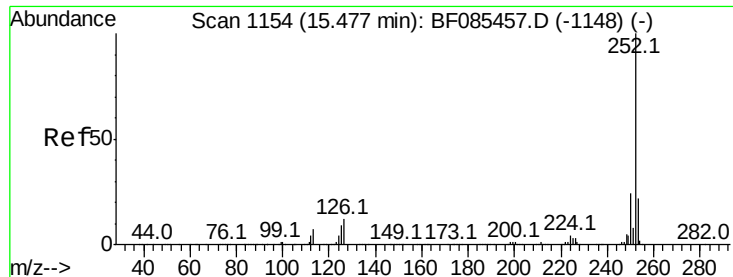
Delta R.T. -0.05 min

Lab File: BF085485.D

Acq: 17 Mar 2016 2:28

Tgt Ion:	252	Resp:	22677
Ion Ratio	Lower	Upper	
252	100		
253	25.4	17.8	26.6
125	14.6	10.4	15.6





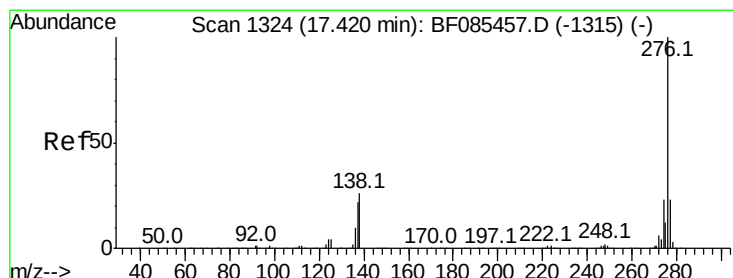
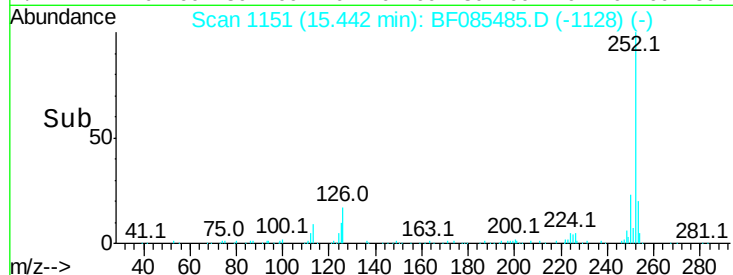
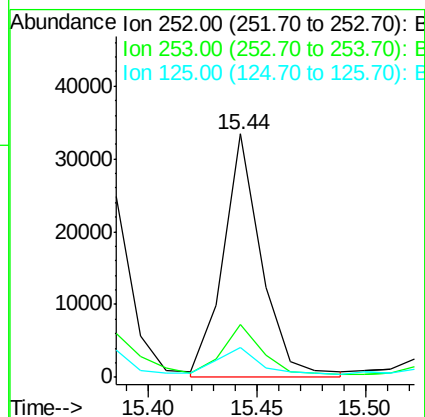
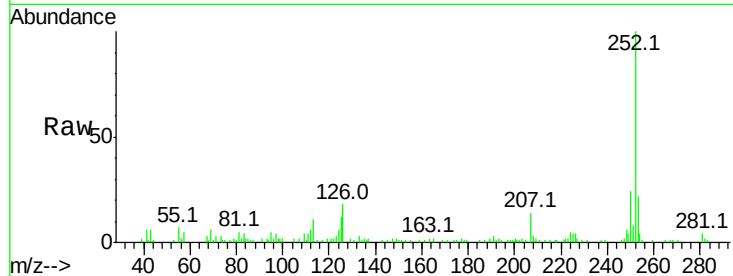
#89
Benzo(a)pyrene
Concen: 3.31 ng
RT: 15.44 min Scan# 1151
Delta R.T. -0.03 min
Lab File: BF085485.D
Acq: 17 Mar 2016 2:28

Instrument :
BNA_F
ClientSampleId :
SP-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	12.5	8.2	12.4

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#91
Benzo(g,h,i)perylene
Concen: 2.77 ng
RT: 17.36 min Scan# 1319
Delta R.T. -0.06 min
Lab File: BF085485.D
Acq: 17 Mar 2016 2:28

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.4	19.0	28.4
138	27.0	22.5	33.7

