

Data Path : Z:\HPCHEM1\BNA F\Data\BF100615\
 Data File : BF082096.D
 Acq On : 6 Oct 2015 21:13
 Operator : UM/IZ
 Sample : G3927-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OS-SB-28(7-9)

Manual Integrations
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Quant Time: Oct 12 10:21:06 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 07 02:00:35 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	61717	20.00	ng	0.01
21) Naphthalene-d8	8.24	136	191426	20.00	ng	0.07
38) Acenaphthene-d10	10.05	164	51518	20.00	ng	0.11
63) Phenanthrene-d10	11.53	188	105913	20.00	ng	0.11
75) Chrysene-d12	14.08	240	194273m	20.00	ng	0.01
86) Perylene-d12	15.53	264	158517m	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	488680	143.74	ng	0.00
7) Phenol-d6	6.51	99	536981	125.52	ng	0.00
23) Nitrobenzene-d5	7.46	82	259990m	90.54	ng	0.01
41) 2,4,6-Tribromophenol	10.83	330	83664m	160.35	ng	0.11
44) 2-Fluorobiphenyl	9.35	172	276730	91.16	ng	0.10
78) Terphenyl-d14	13.04	244	477888	77.55	ng	0.03

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.25	128	345604	40.74	ng	# 1
51) Acenaphthene	10.08	154	196047	66.10	ng	# 54
57) Fluorene	10.59	166	424003	146.23	ng	# 46
70) Phenanthrene	11.55	178	1253545	253.66	ng	# 80
71) Anthracene	11.61	178	679173	126.16	ng	# 54
74) Fluoranthene	12.72	202	861122	151.77	ng	# 82
77) Pyrene	12.93	202	1904515	164.10	ng	# 91
80) Benzo(a)anthracene	14.07	228	610676m	58.37	ng	
82) Chrysene	14.10	228	688686m	Below Cal		
85) Indeno(1,2,3-cd)pyrene	16.97	276	264957m	32.38	ng	
87) Benzo(b)fluoranthene	15.11	252	549965m	60.77	ng	
88) Benzo(k)fluoranthene	15.12	252	250897m	30.25	ng	
89) Benzo(a)pyrene	15.48	252	539019m	68.66	ng	
90) Dibenzo(a,h)anthracene	16.98	278	72853m	11.06	ng	
91) Benzo(a,h,i)perylene	17.42	276	309595m	45.87	ng	

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

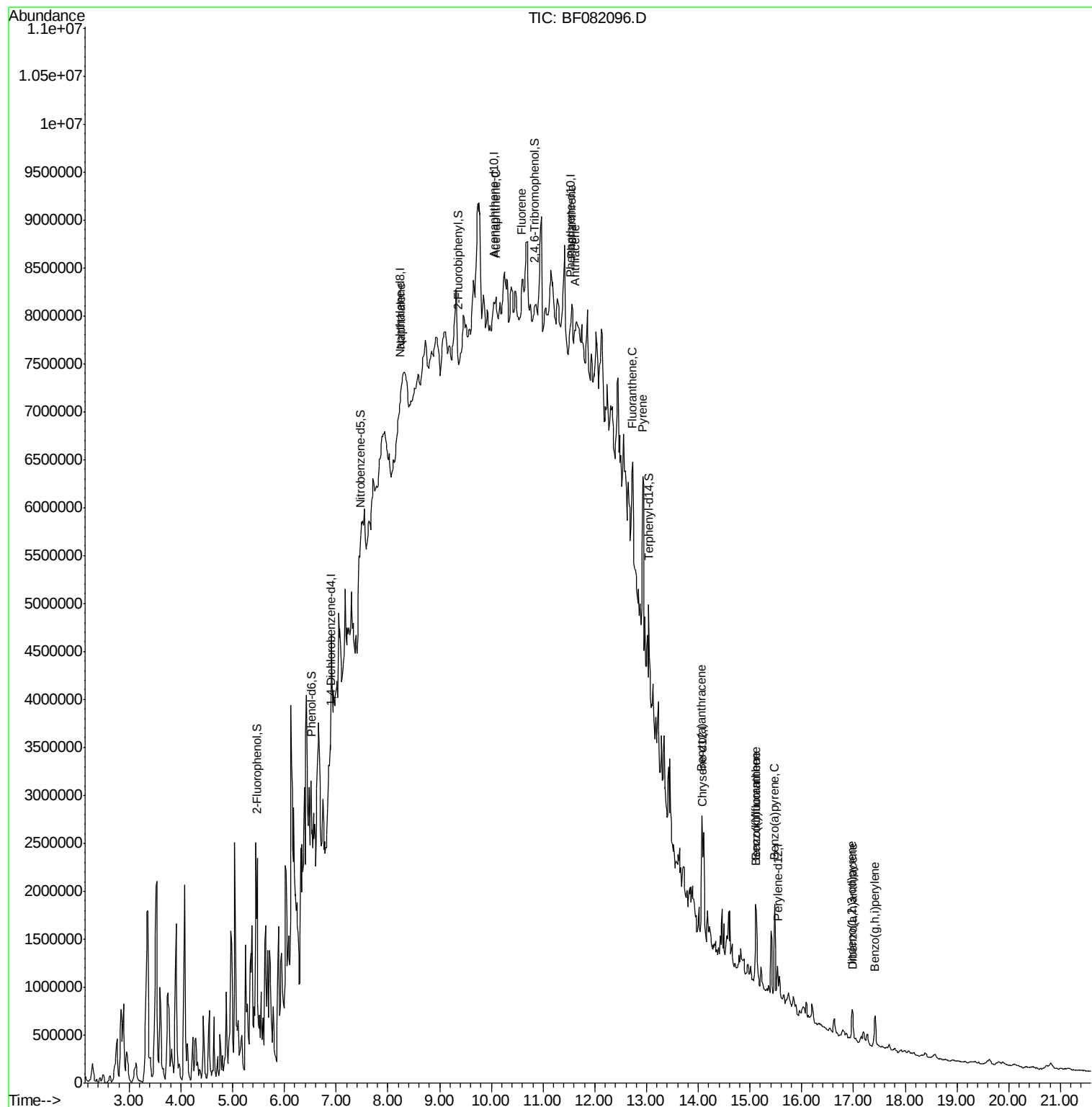
Data Path : Z:\HPCHEM1\BNA F\Data\BF100615\
Data File : BF082096.D
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Sample : G3927-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

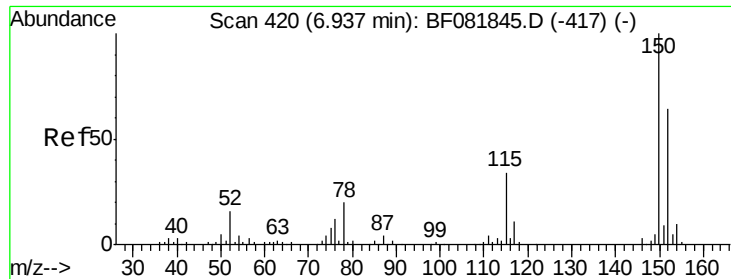
Instrument :
BNA_F
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OS-SB-28(7-9)

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 416

Delta R.T. 0.01 min

Lab File: BF082096.D

Acq: 6 Oct 2015 21:13

Instrument :

BNA_F

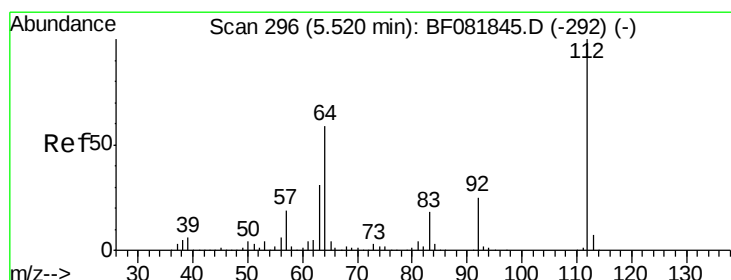
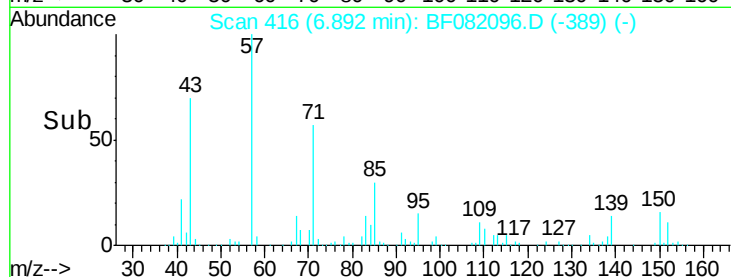
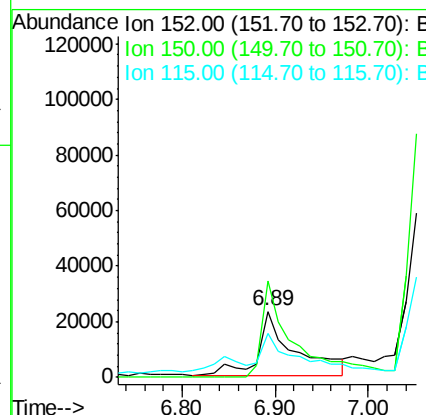
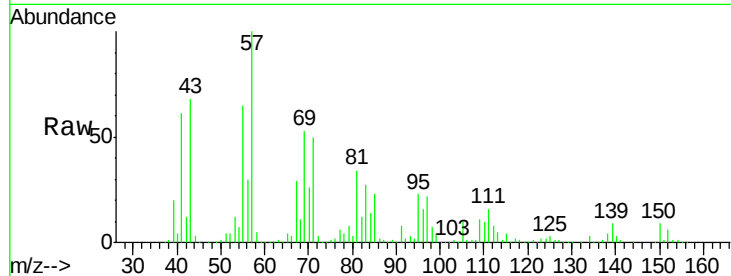
ClientSampleId :

OS-SB-28(7-9)

Tot Ion	Ratio	Lower	Upper
152	100		
150	146.9	124.7	187.1
115	66.4	39.0	58.4

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#5

2-Fluorophenol

Concen: 143.74 ng

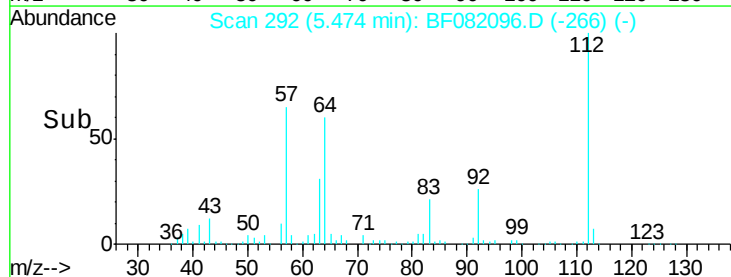
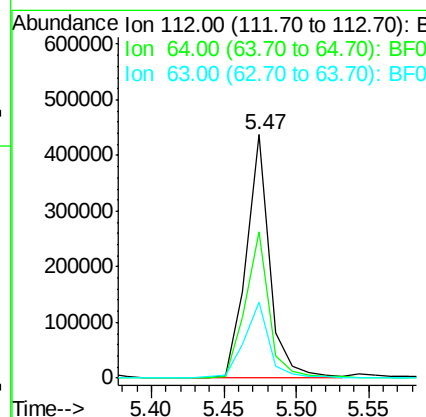
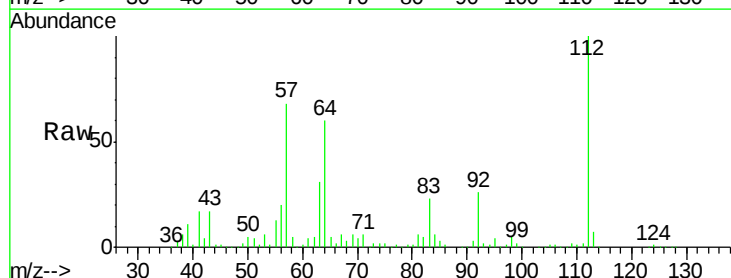
RT: 5.47 min Scan# 292

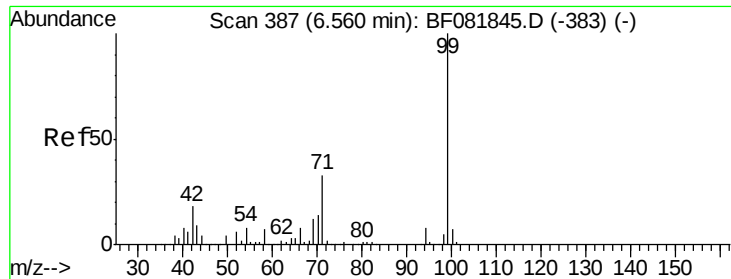
Delta R.T. -0.00 min

Lab File: BF082096.D

Acq: 6 Oct 2015 21:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.1	39.7	59.5
63	31.4	17.4	26.0





#7

Phenol-d6

Concen: 125.52 ng

RT: 6.51 min Scan# 383

Delta R.T. -0.00 min

Lab File: BF082096.D

Acq: 6 Oct 2015 21:13

Instrument :

BNA_F

ClientSampled :

OS-SB-28(7-9)

Tot Ion: 99 Resp: 536981

Ion Ratio Lower Upper

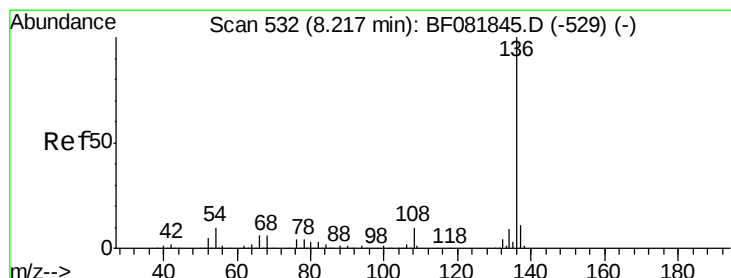
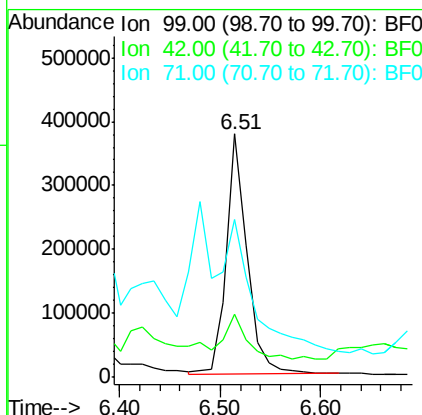
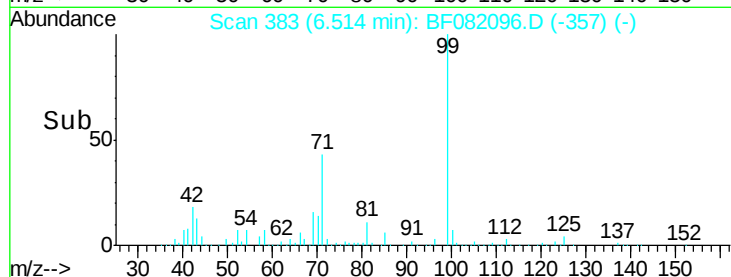
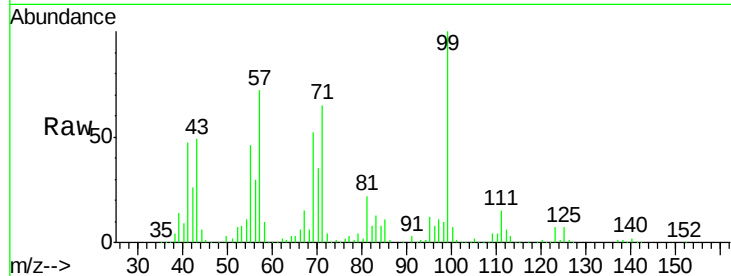
99 100

42 26.0 13.7 20.5#

71 64.7 14.2 21.2#

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.24 min Scan# 534

Delta R.T. 0.07 min

Lab File: BF082096.D

Acq: 6 Oct 2015 21:13

Tgt Ion: 136 Resp: 191426

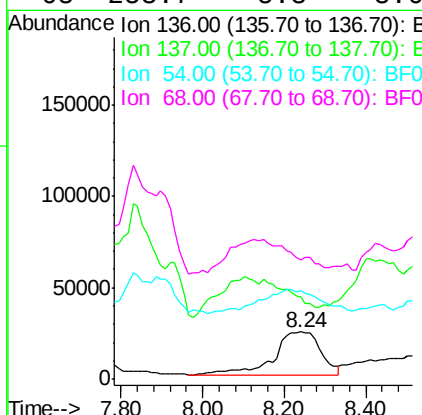
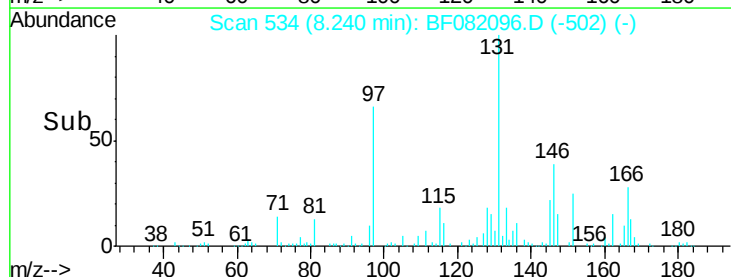
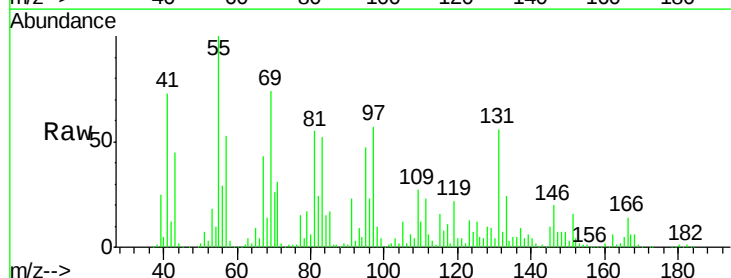
Ion Ratio Lower Upper

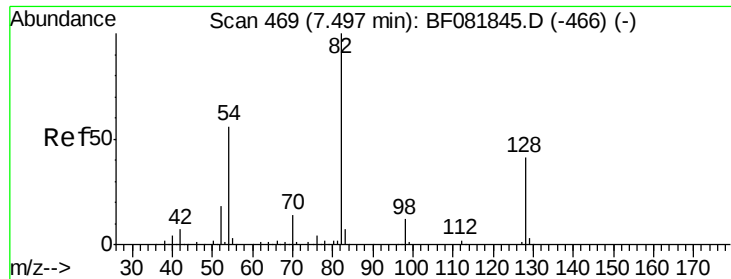
136 100

137 174.6 9.0 13.6#

54 188.4 8.2 12.2#

68 253.7 5.8 8.6#





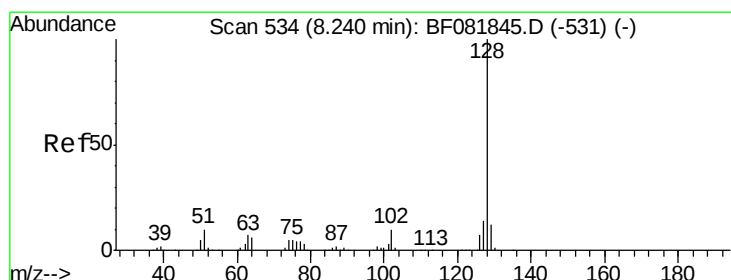
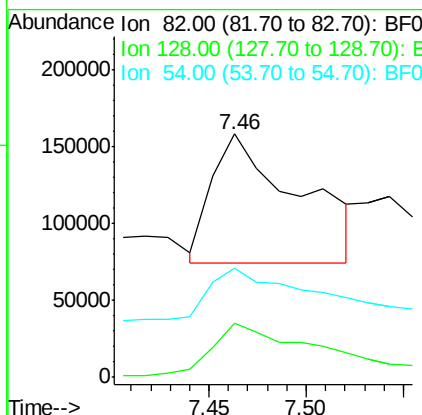
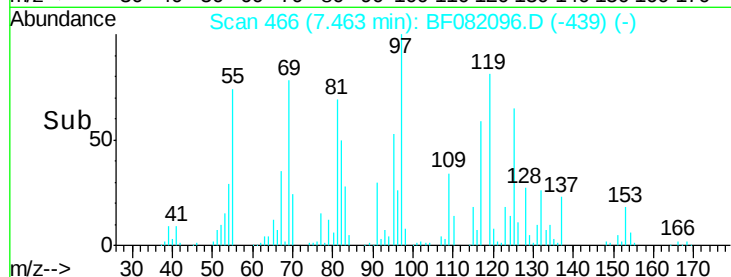
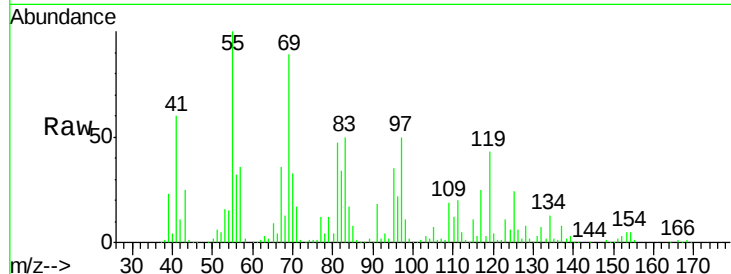
#23
Nitrobenzene-d5
Concen: 90.54 ng/ml
RT: 7.46 min Scan# 466
Delta R.T. 0.01 min
Lab File: BF082096.D
Acq: 6 Oct 2015 21:13

Instrument :
BNA_F
ClientSampleId :
OS-SB-28(7-9)

Tot Ion	Ratio	Lower	Upper
82	100		
128	22.4	51.0	76.6#
54	44.8	47.5	71.3#

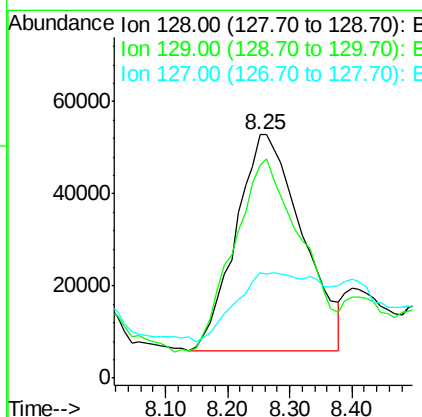
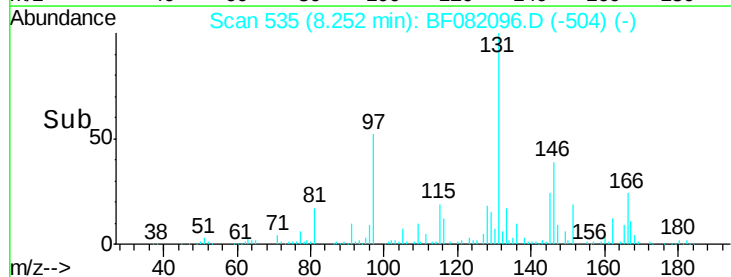
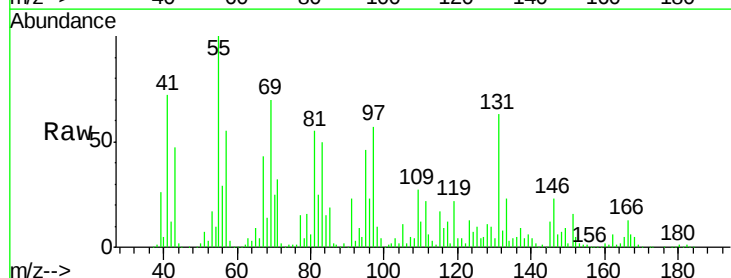
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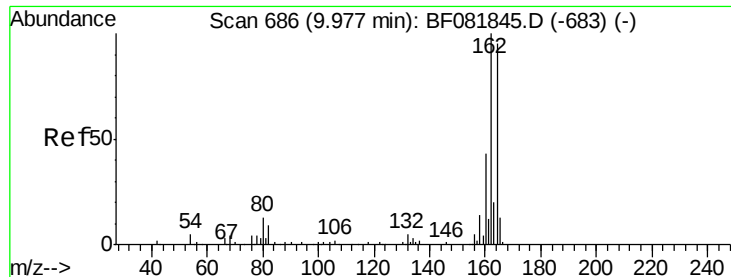
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#31
Naphthalene
Concen: 40.74 ng
RT: 8.25 min Scan# 535
Delta R.T. 0.06 min
Lab File: BF082096.D
Acq: 6 Oct 2015 21:13

Tgt Ion	Ratio	Lower	Upper
128	100		
129	87.4	8.4	12.6#
127	43.3	9.9	14.9#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.05 min Scan# 692

Delta R.T. 0.11 min

Lab File: BF082096.D

Acq: 6 Oct 2015 21:13

Instrument :

BNA_F

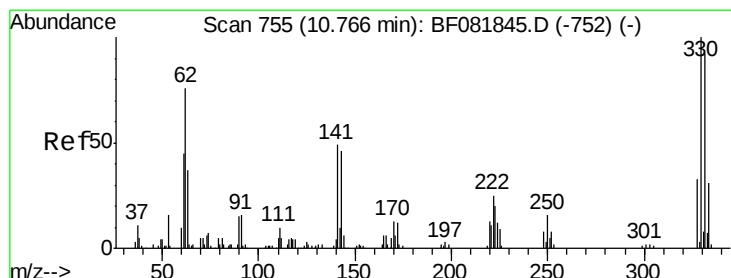
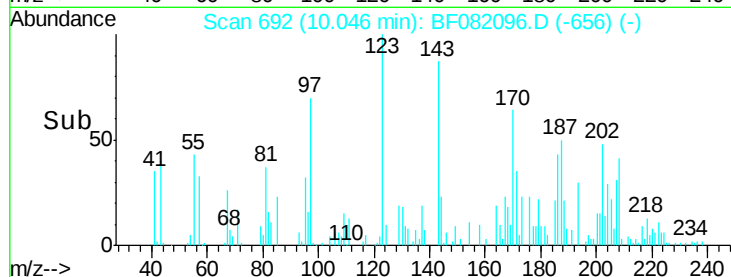
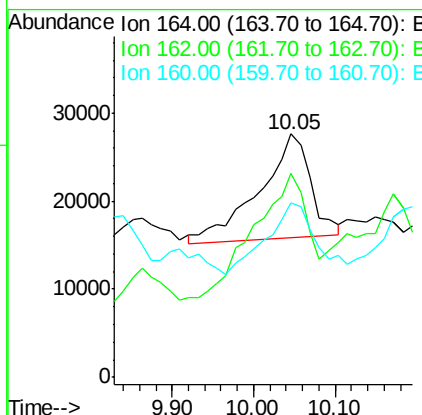
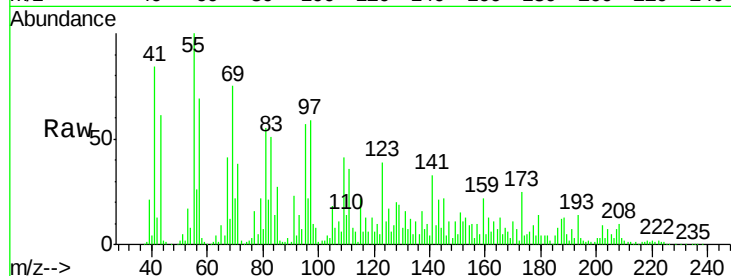
ClientSampleId :

OS-SB-28(7-9)

Tot Ion	Ratio	Lower	Upper
164	100		
162	83.7	75.2	112.8
160	71.6	31.5	47.3

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#41

2,4,6-Tribromophenol

Concen: 160.35 ng m

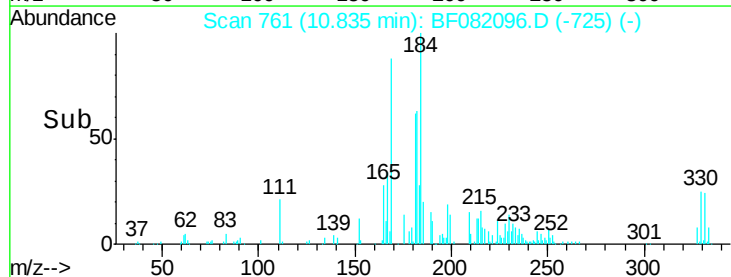
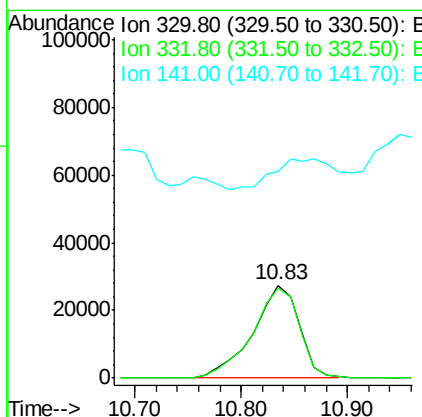
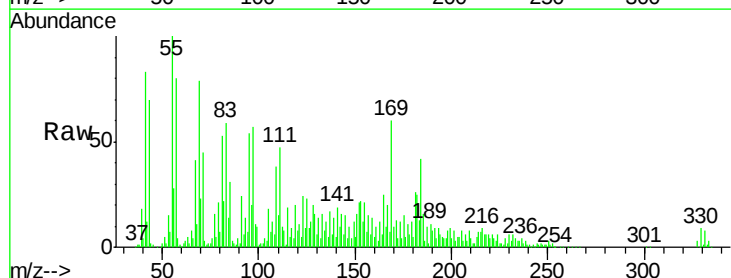
RT: 10.83 min Scan# 761

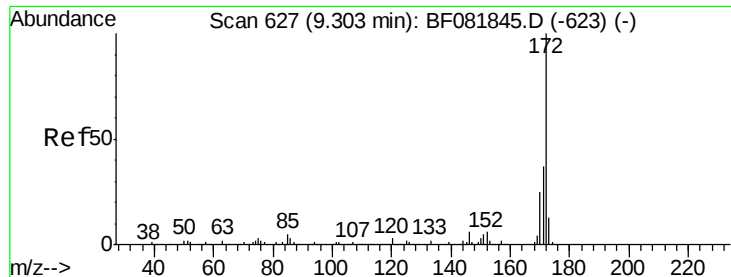
Delta R.T. 0.11 min

Lab File: BF082096.D

Acq: 6 Oct 2015 21:13

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	76.6	114.8
141	0.0	29.7	44.5





#44

2-Fluorobiphenyl

Concen: 91.16 ng

RT: 9.35 min Scan# 631

Delta R.T. 0.10 min

Lab File: BF082096.D

Acq: 6 Oct 2015 21:13

Instrument :

BNA_F

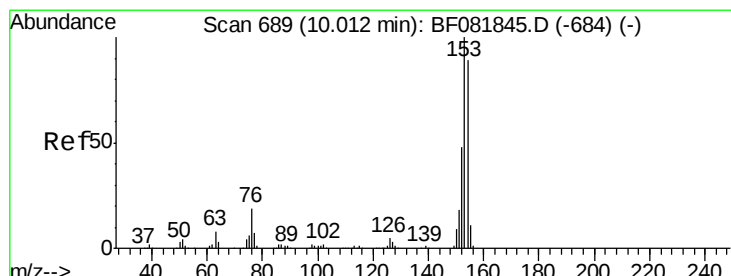
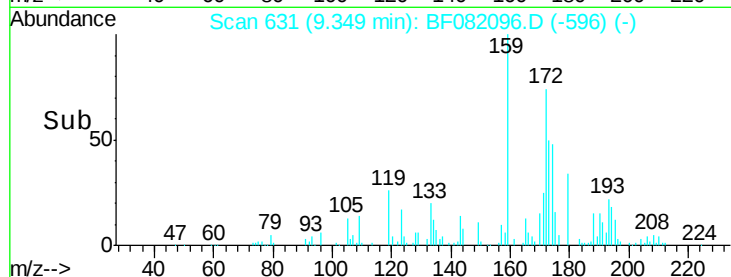
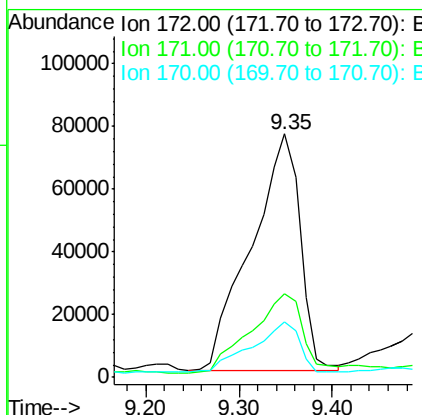
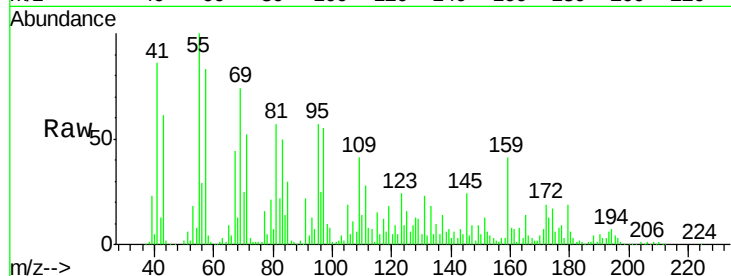
ClientSampleId :

OS-SB-28(7-9)

Tot Ion:	172	Resp:	276730
Ion Ratio	Lower	Upper	
172	100		
171	34.6	26.1	39.1
170	22.9	17.4	26.2

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#51

Acenaphthene

Concen: 66.10 ng

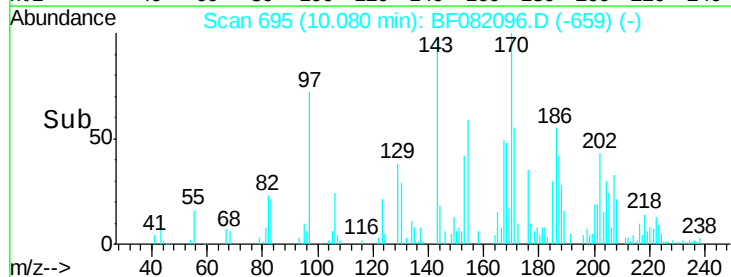
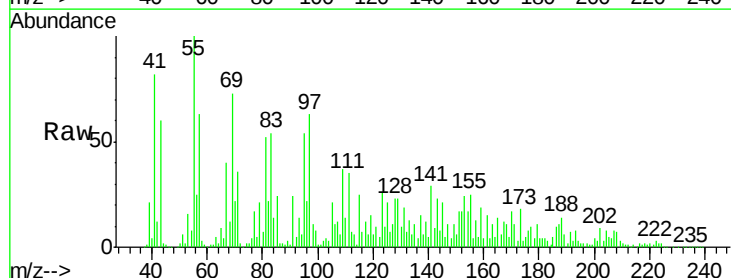
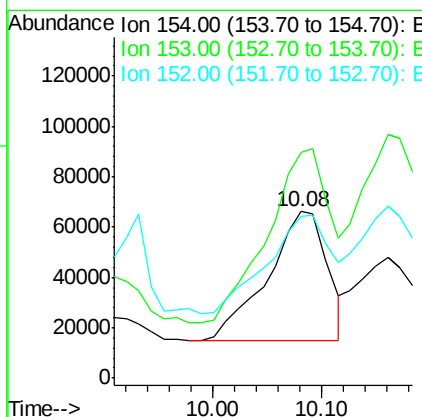
RT: 10.08 min Scan# 695

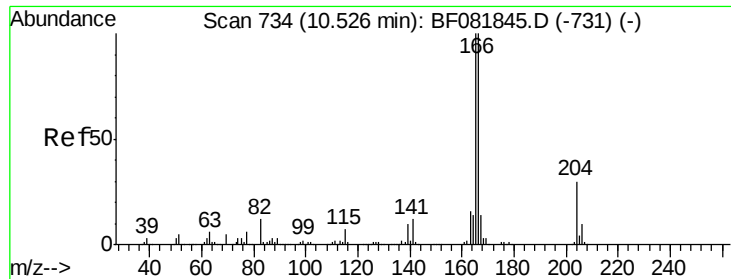
Delta R.T. 0.11 min

Lab File: BF082096.D

Acq: 6 Oct 2015 21:13

Tgt Ion:	154	Resp:	196047
Ion Ratio	Lower	Upper	
154	100		
153	136.1	82.1	123.1#
152	97.4	37.9	56.9#





#57

Fluorene

Concen: 146.23 ng

RT: 10.59 min Scan# 740

Delta R.T. 0.11 min

Lab File: BF082096.D

Acq: 6 Oct 2015 21:13

Instrument :

BNA_F

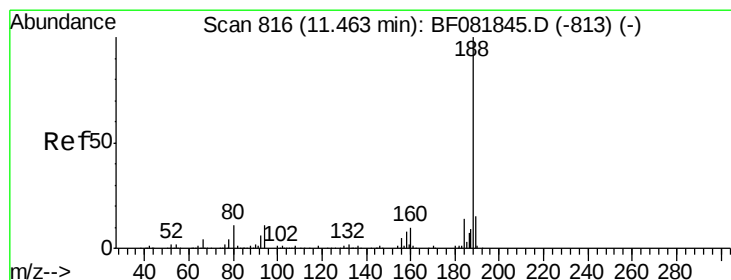
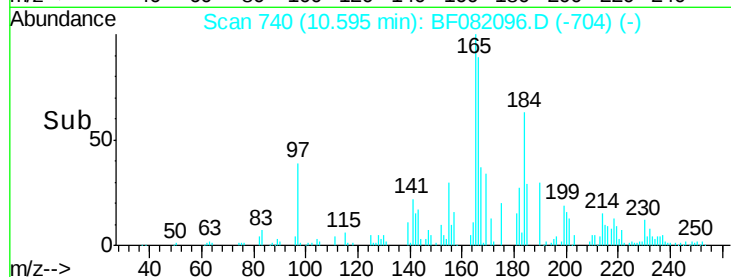
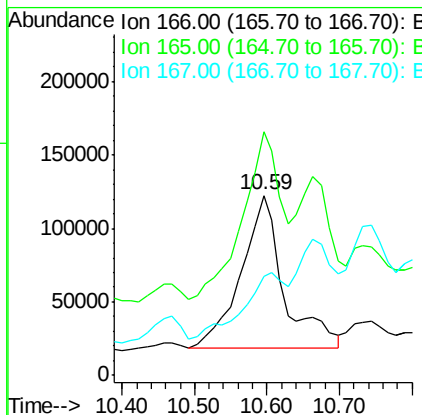
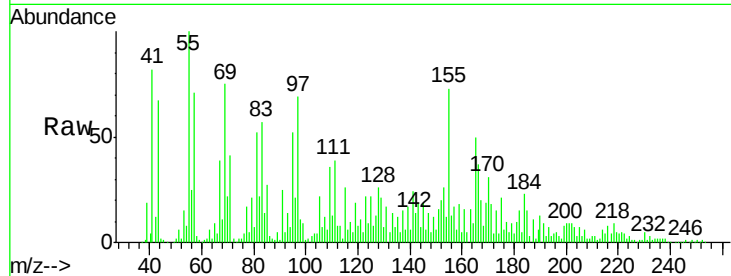
ClientSampleId :

OS-SB-28(7-9)

Tot Ion	Ratio	Lower	Upper
166	100		
165	135.4	72.6	109.0#
167	55.2	10.6	16.0#

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#63

Phenanthrene-d10

Concen: 20.00 ng

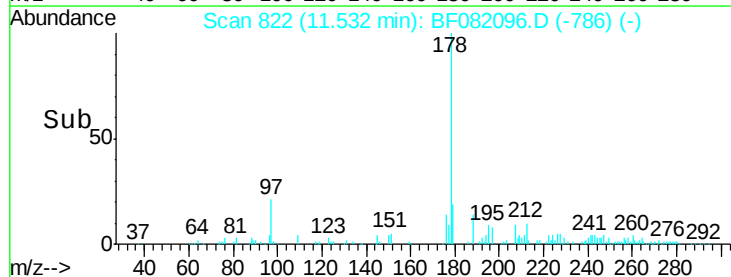
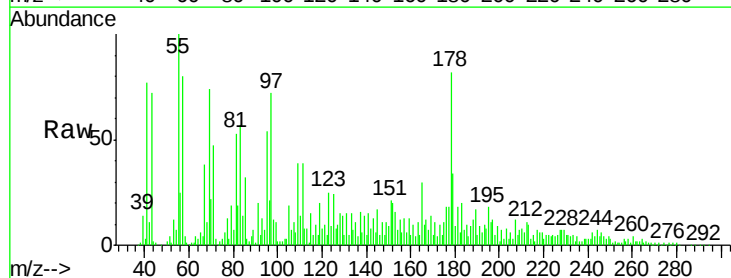
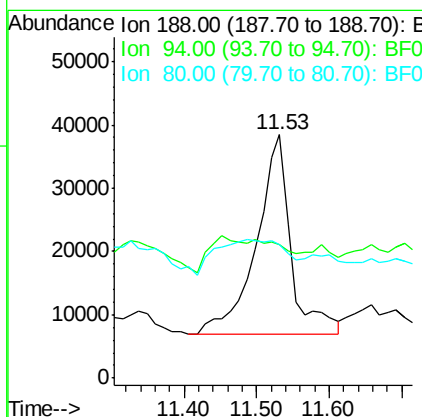
RT: 11.53 min Scan# 822

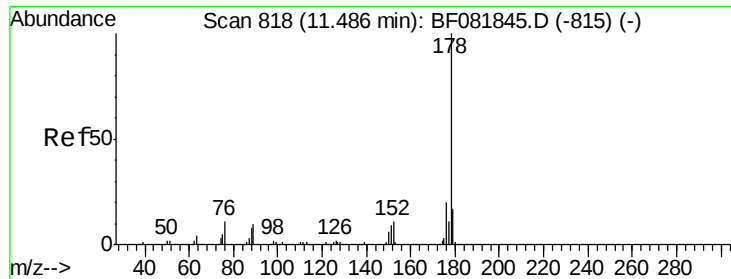
Delta R.T. 0.11 min

Lab File: BF082096.D

Acq: 6 Oct 2015 21:13

Tgt Ion	Ratio	Lower	Upper
188	100		
94	54.6	11.1	16.7#
80	54.6	11.0	16.4#





#70

Phenanthrene

Concen: 253.66 ng

RT: 11.55 min Scan# 824

Delta R.T. 0.11 min

Lab File: BF082096.D

Acq: 6 Oct 2015 21:13

Instrument :

BNA_F

ClientSampleId :

OS-SB-28(7-9)

Tot Ion:178 Resp: 1253545

Ion Ratio Lower Upper

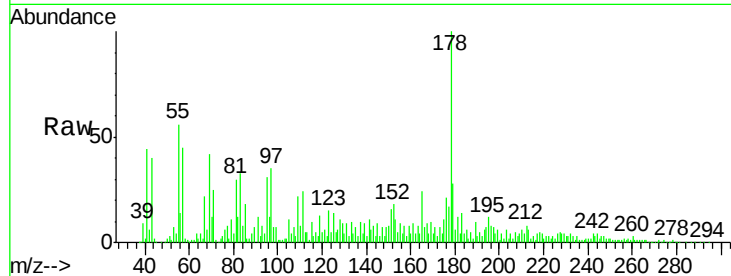
178 100

176 21.5 13.8 20.8#

179 28.2 12.2 18.2#

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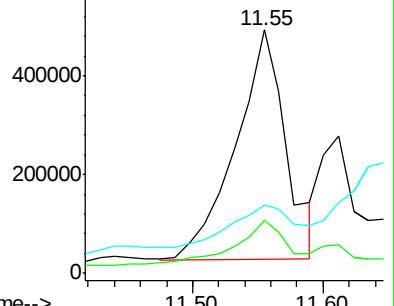
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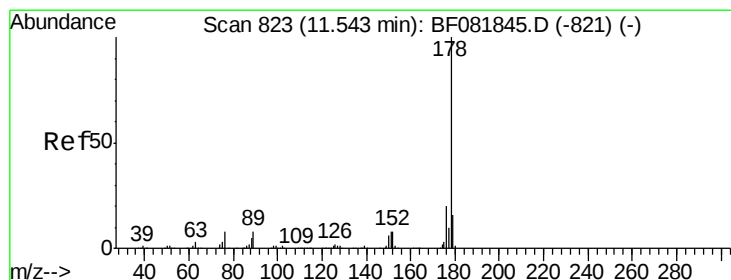
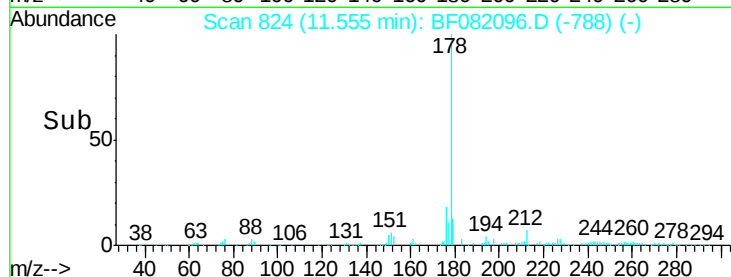
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#71

Anthracene

Concen: 126.16 ng

RT: 11.61 min Scan# 829

Delta R.T. 0.11 min

Lab File: BF082096.D

Acq: 6 Oct 2015 21:13

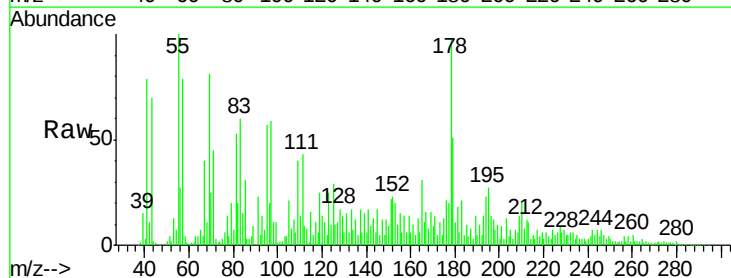
Tgt Ion:178 Resp: 679173

Ion Ratio Lower Upper

178 100

176 21.3 14.1 21.1#

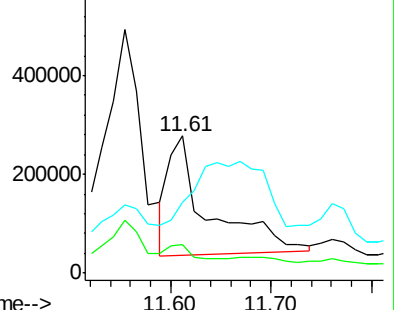
179 52.1 12.2 18.2#



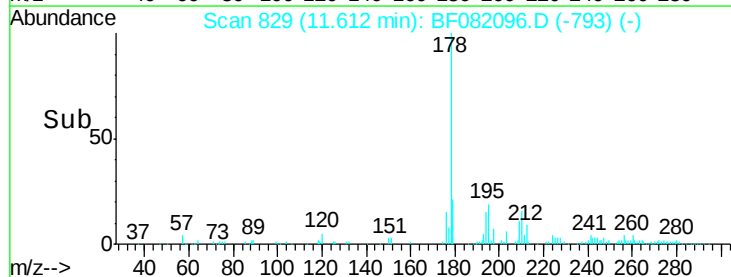
Abundance Ion 178.00 (177.70 to 178.70): E

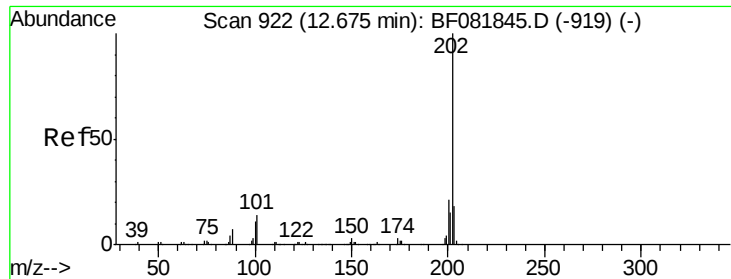
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#74

Fluoranthene

Concen: 151.77 ng

RT: 12.72 min Scan# 926

Delta R.T. 0.09 min

Lab File: BF082096.D

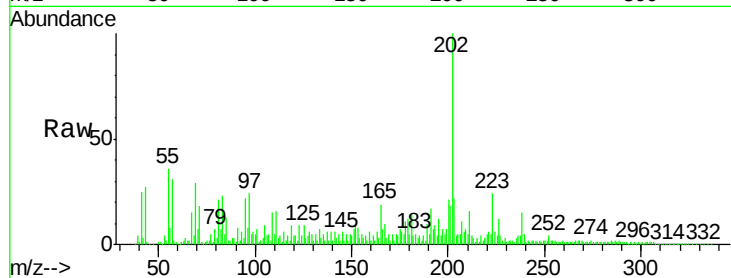
Acq: 6 Oct 2015 21:13

Instrument :

BNA_F

ClientSampleId :

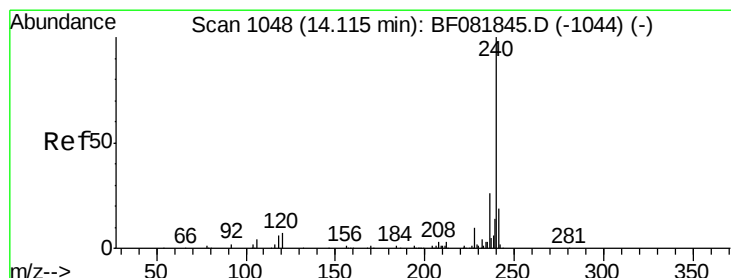
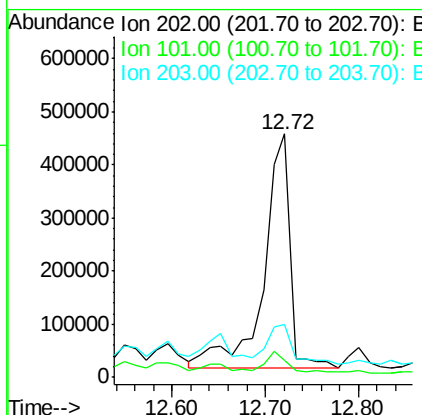
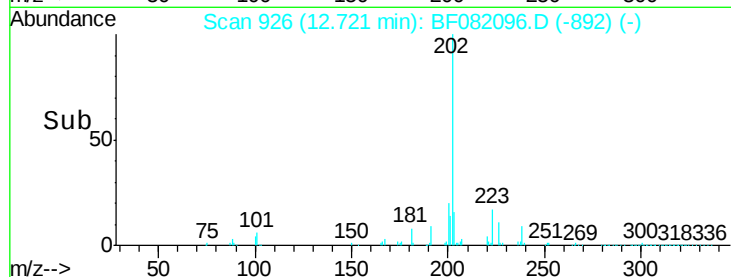
OS-SB-28(7-9)



Tot Ion	Ratio	Resp	Lower	Upper
202	100	861122		
101	7.1	0.0	38.3	
203	22.0	0.0	37.3	

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#75

Chrysene-d12

Concen: 20.00 ng m

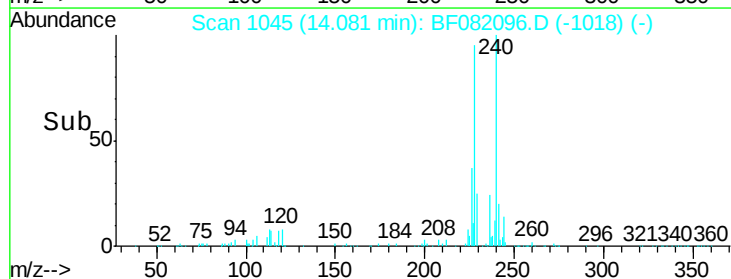
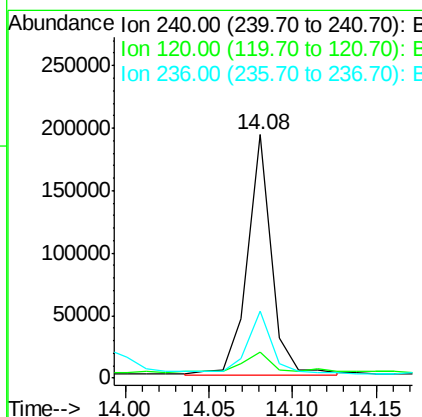
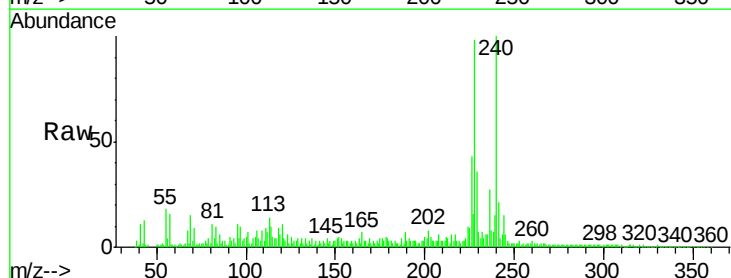
RT: 14.08 min Scan# 1045

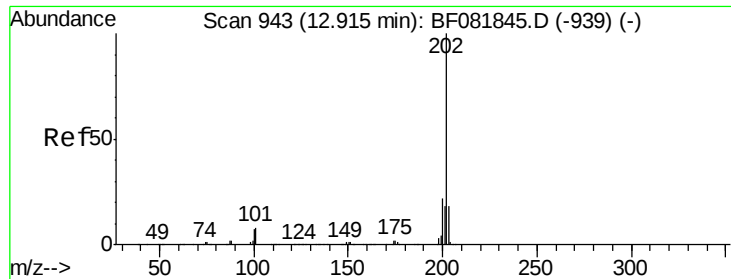
Delta R.T. 0.01 min

Lab File: BF082096.D

Acq: 6 Oct 2015 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	194273		
120	10.8	16.2	24.2#	
236	27.4	18.4	27.6	





#77

Pvrene

Concen: 164.10 ng

RT: 12.93 min Scan# 944

Delta R.T. 0.07 min

Lab File: BF082096.D

Acq: 6 Oct 2015 21:13

Instrument :

BNA_F

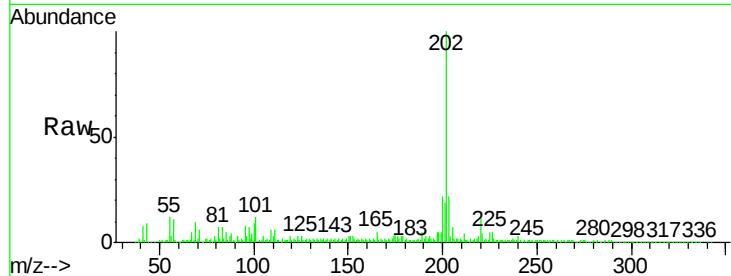
ClientSampleId :

OS-SB-28(7-9)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.7	15.0	22.4
203	22.4	14.1	21.1#

Manual Integrations
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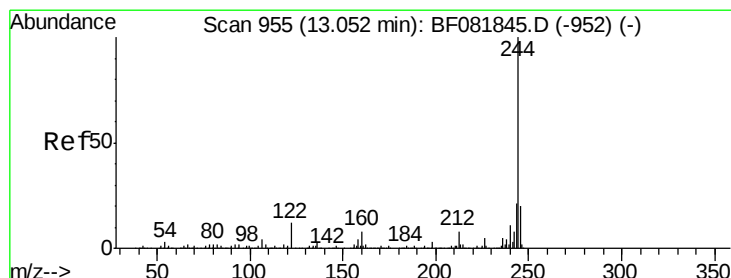
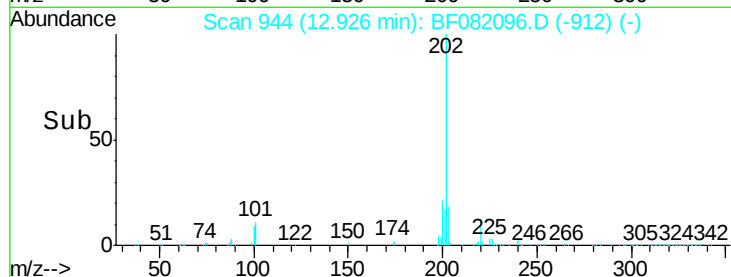
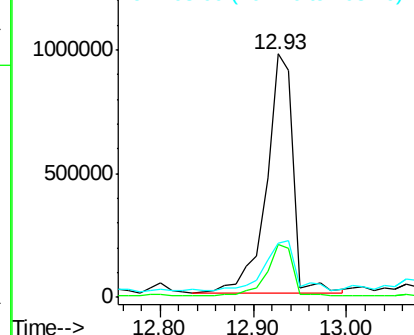
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 77.55 ng

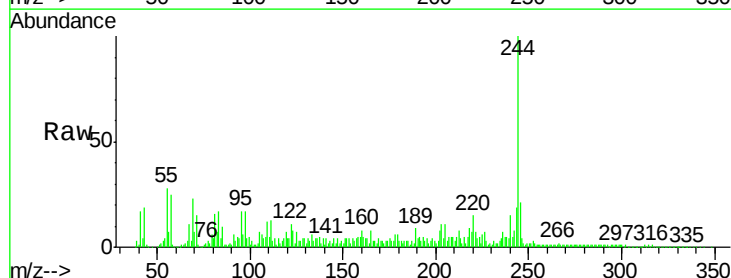
RT: 13.04 min Scan# 954

Delta R.T. 0.03 min

Lab File: BF082096.D

Acq: 6 Oct 2015 21:13

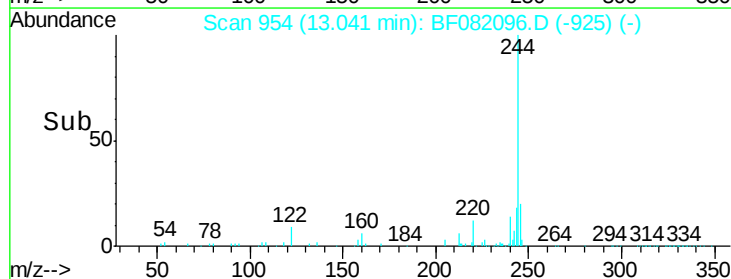
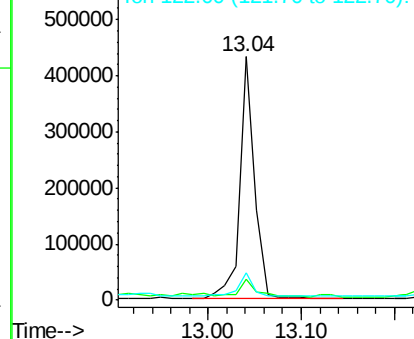
Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.4	4.3	6.5#
122	11.4	17.4	26.2#

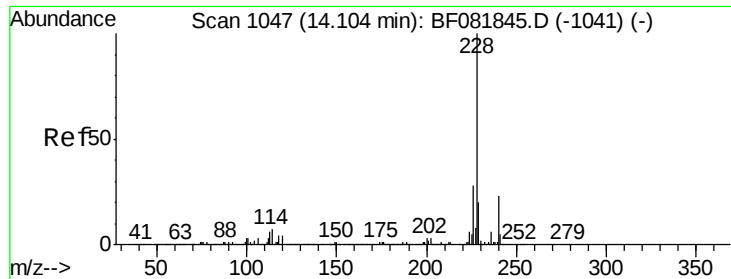


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





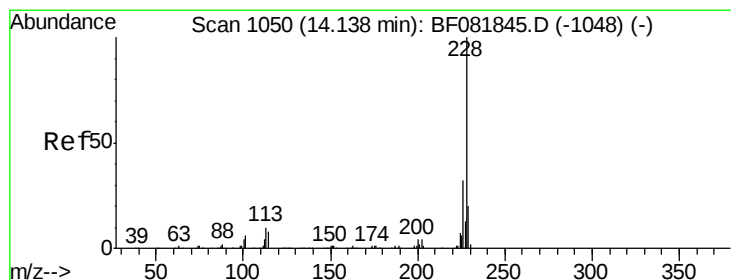
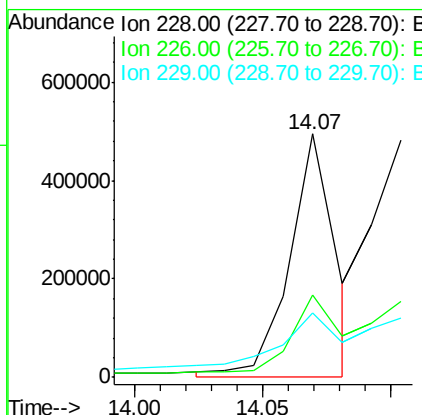
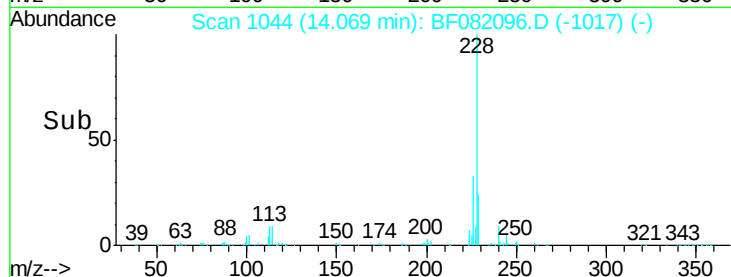
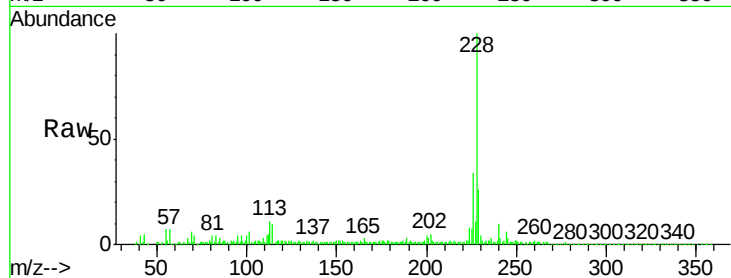
#80
Benzo(a)anthracene
Concen: 58.37 ng m
RT: 14.07 min Scan# 1044
Delta R.T. 0.01 min
Lab File: BF082096.D
Acq: 6 Oct 2015 21:13

Instrument :
BNA_F
ClientSampleId :
OS-SB-28(7-9)

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.8	20.0	30.0#
229	26.3	15.4	23.2#

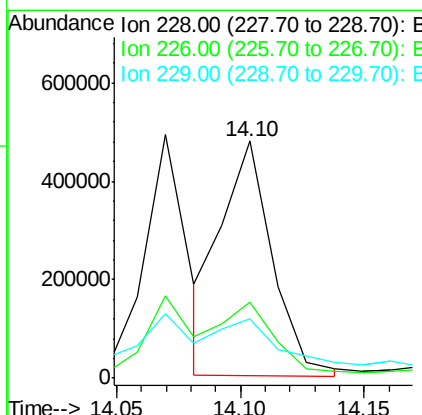
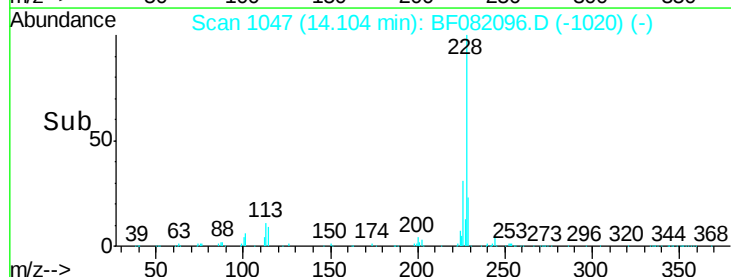
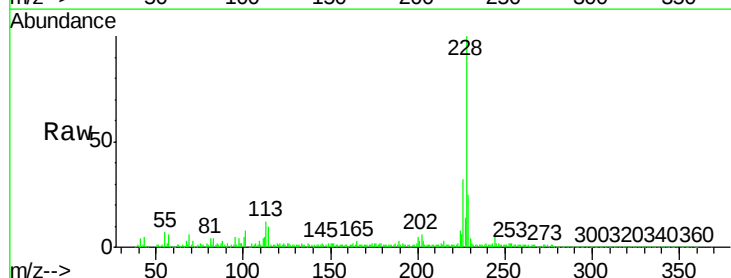
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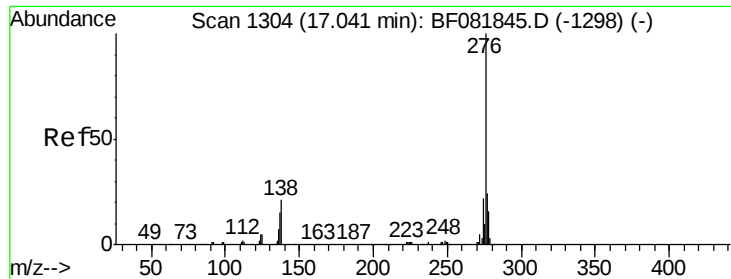
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#82
Chrysene
Concen: Below Cal m
RT: 14.10 min Scan# 1047
Delta R.T. 0.01 min
Lab File: BF082096.D
Acq: 6 Oct 2015 21:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.1	21.0	31.4#
229	25.3	15.6	23.4#





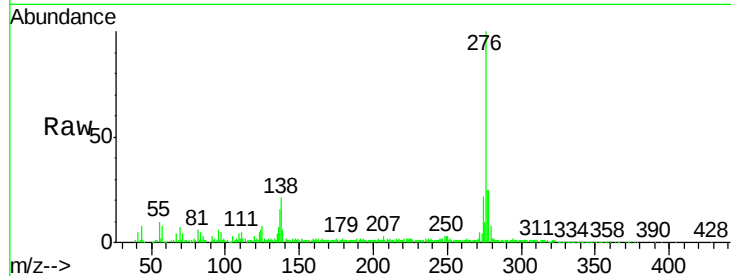
#85
Indeno(1,2,3-cd)pyrene
Concen: 32.38 ng m
RT: 16.97 min Scan# 1298
Delta R.T. 0.02 min
Lab File: BF082096.D
Acq: 6 Oct 2015 21:13

Instrument :
BNA_F
ClientSampleId :
OS-SB-28(7-9)

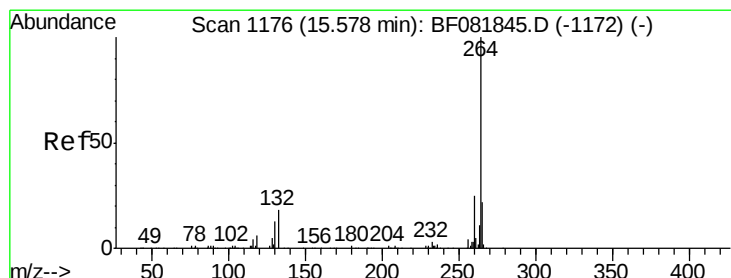
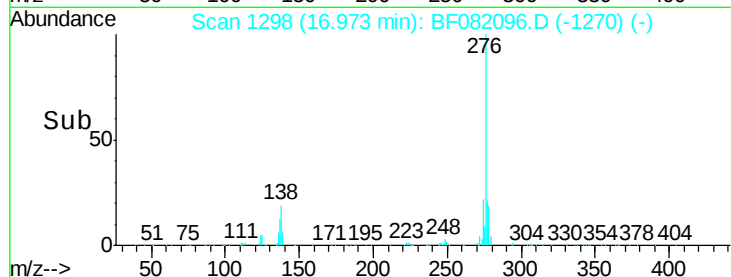
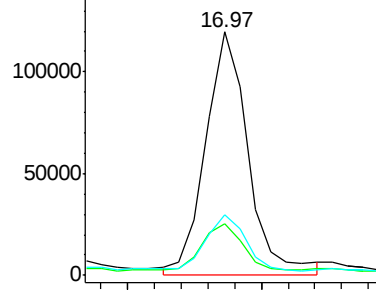
Tot Ion	Ratio	Lower	Upper
276	100		
138	5.3	25.7	38.5#
277	4.4	15.6	23.4#

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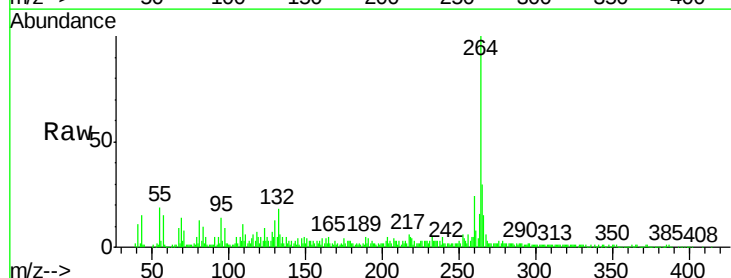


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

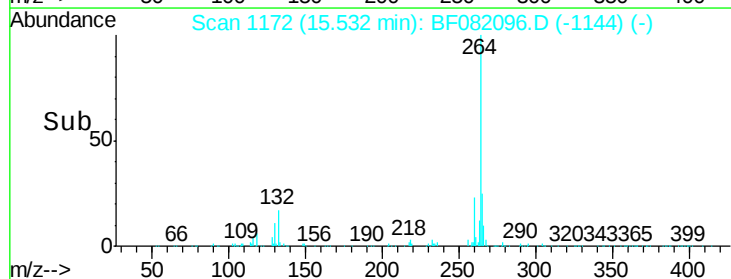
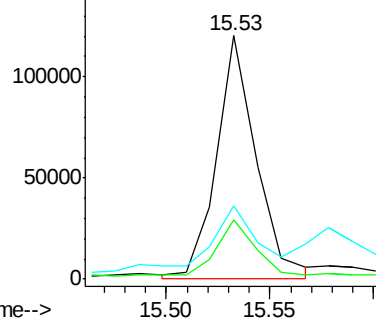


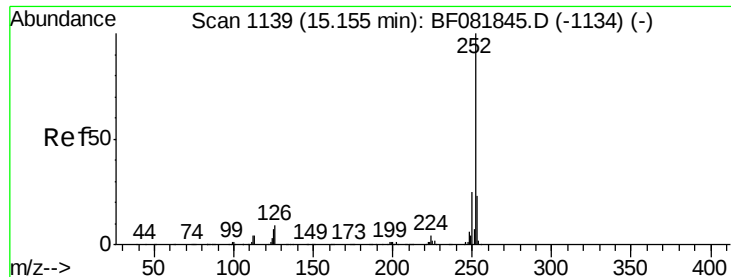
#86
Perylene-d12
Concen: 20.00 ng m
RT: 15.53 min Scan# 1172
Delta R.T. 0.02 min
Lab File: BF082096.D
Acq: 6 Oct 2015 21:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	16.7	25.1
265	29.9	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: 60.77 ng m

RT: 15.11 min Scan# 1135

Delta R.T. 0.01 min

Lab File: BF082096.D

Acq: 6 Oct 2015 21:13

Instrument :

BNA_F

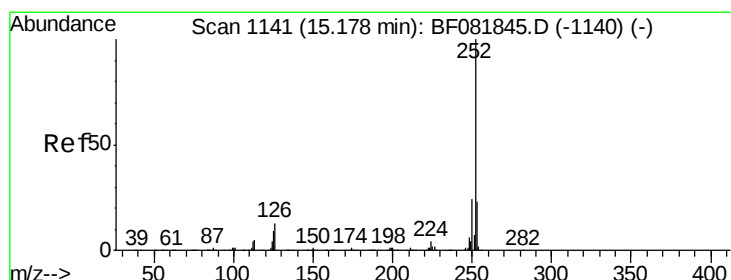
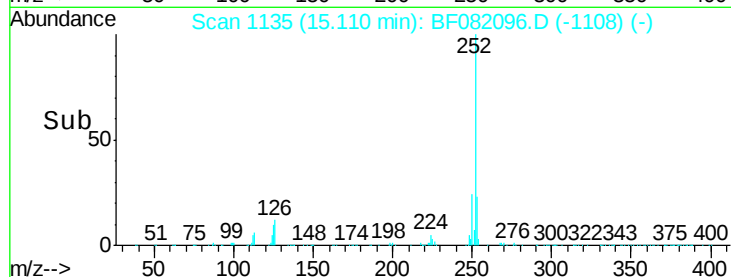
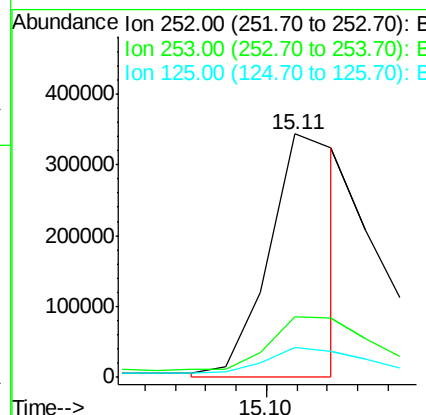
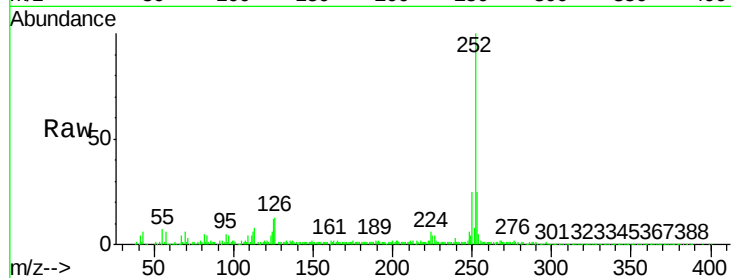
ClientSampleId :

OS-SB-28(7-9)

Tot Ion	Ratio	Resp	Lower	Upper
252	100	549965		
253	25.0	17.5	26.3	
125	12.3	17.1	25.7	

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#88

Benzo(k)fluoranthene

Concen: 30.25 ng m

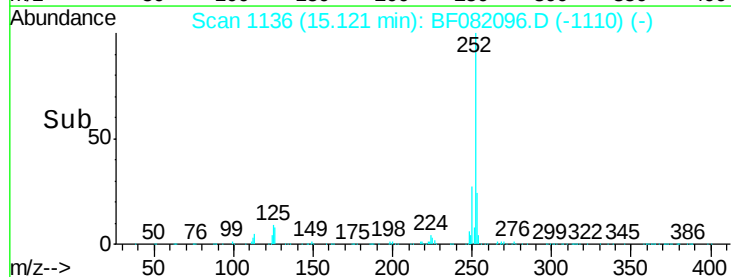
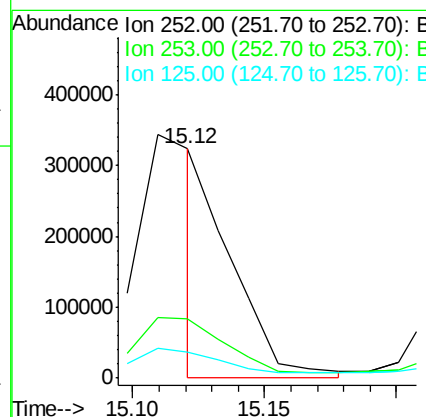
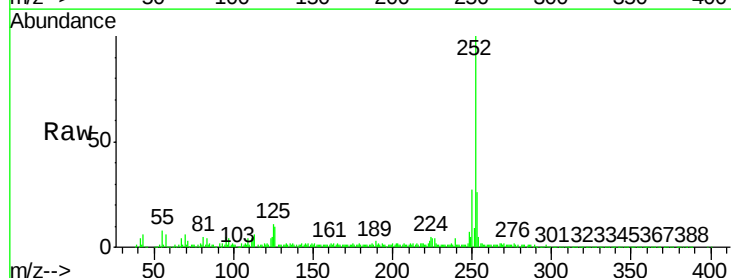
RT: 15.12 min Scan# 1136

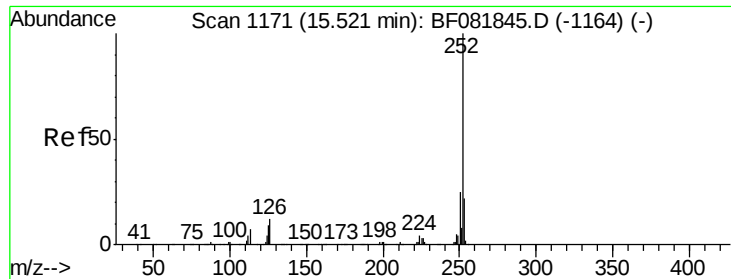
Delta R.T. -0.00 min

Lab File: BF082096.D

Acq: 6 Oct 2015 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	250897		
253	26.0	17.0	25.4	
125	11.5	16.0	24.0	





#89

Benzo(a)pyrene

Concen: 68.66 ng m

RT: 15.48 min Scan# 1167

Delta R.T. 0.02 min

Lab File: BF082096.D

Acq: 6 Oct 2015 21:13

Instrument :

BNA_F

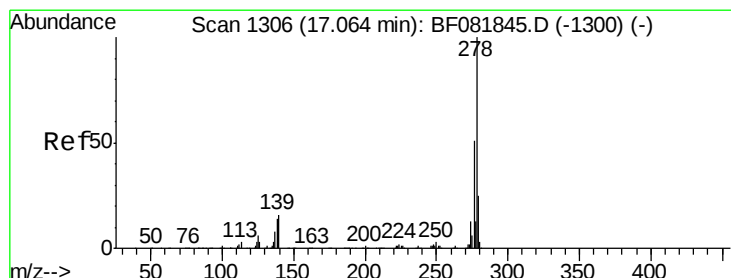
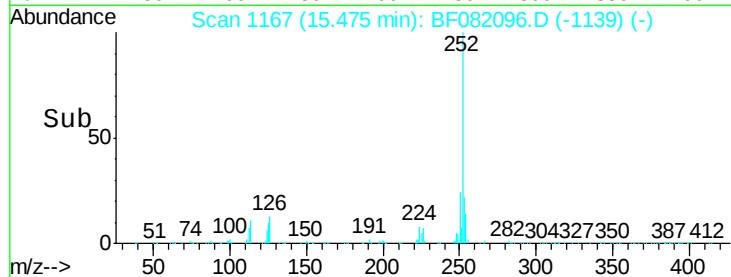
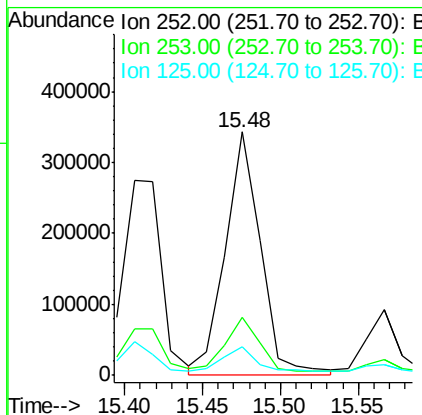
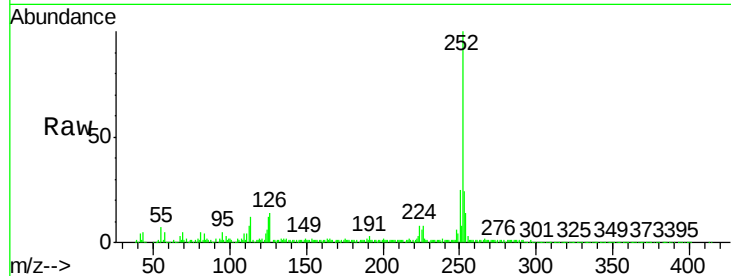
ClientSampleId :

OS-SB-28(7-9)

Tot Ion:	252	Resp:	539019
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.2	25.8
125	11.9	18.0	27.0#

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#90

Dibenzo(a,h)anthracene

Concen: 11.06 ng m

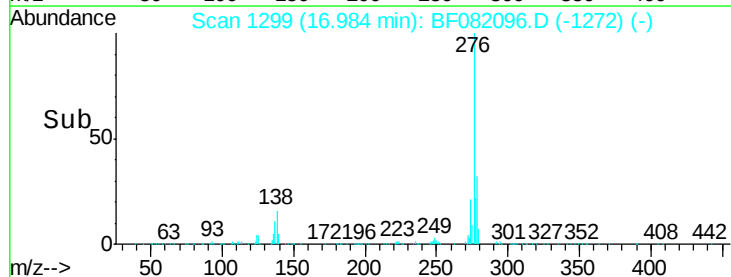
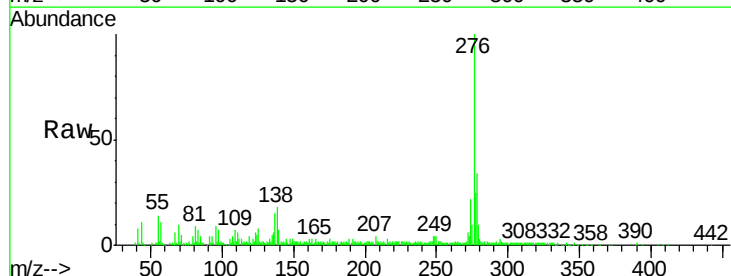
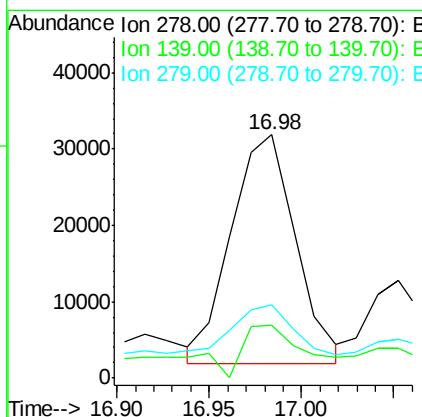
RT: 16.98 min Scan# 1299

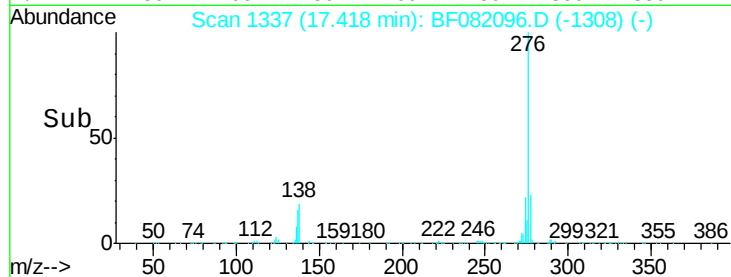
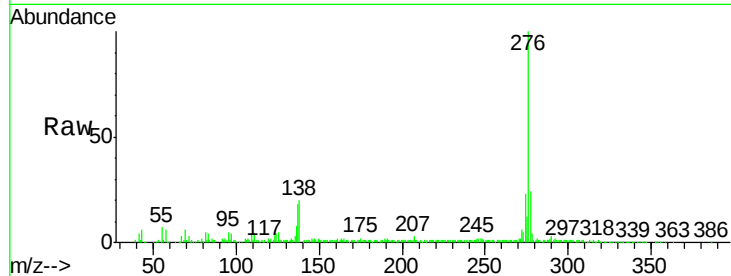
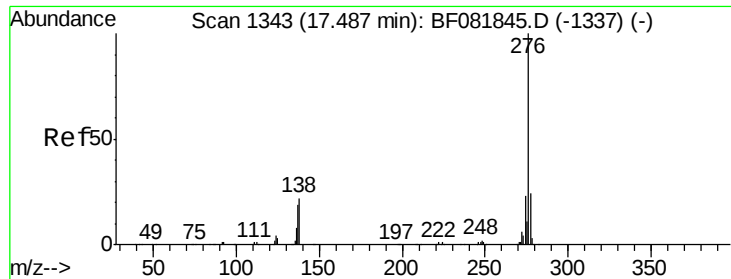
Delta R.T. 0.01 min

Lab File: BF082096.D

Acq: 6 Oct 2015 21:13

Tgt Ion:	278	Resp:	72853
Ion Ratio	Lower	Upper	
278	100		
139	21.7	26.3	39.5#
279	30.4	18.2	27.4#





#91

Benzo(a,h,i)perylene

Concen: 45.87 ng m

RT: 17.42 min Scan# 1337

Delta R.T. 0.03 min

Lab File: BF082096.D

Acq: 6 Oct 2015 21:13

Instrument :

BNA_F

ClientSampleId :

OS-SB-28(7-9)

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.2	17.8	26.6
138	19.8	34.6	51.8#

Manual Integrations
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