

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032516\
 Data File : BF085788.D
 Acq On : 26 Mar 2016 3:53
 Operator : UM/SJ
 Sample : H1923-04
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-PG-D(0-6)

Manual Integrations
 APPROVED

Sohil
 3/28/2016 8:00:07 PM

Quant Time: Mar 26 04:38:03 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 24 14:15:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	110539	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	373105	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	141531	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	220548	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	236110	20.00	ng	0.00
86) Perylene-d12	15.40	264	171301	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	753302	113.50	ng	0.02
7) Phenol-d6	6.47	99	935884	110.90	ng	0.01
23) Nitrobenzene-d5	7.38	82	542553	81.89	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	141640	105.33	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	763265	90.10	ng	0.00
78) Terphenyl-d14	12.93	244	532334	46.37	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.58	163	131979	12.29	ng	Qvalue # 98
70) Phenanthrene	11.36	178	32100	2.83	ng	99
74) Fluoranthene	12.55	202	76118	6.32	ng	97
77) Pyrene	12.78	202	76011	3.92	ng	99
80) Benzo(a)anthracene	13.97	228	34541	2.57	ng	92
82) Chrysene	14.00	228	45469m	3.35	ng	
83) Bis(2-ethylhexyl)phthalate	13.96	149	181129	18.61	ng	99
87) Benzo(b)fluoranthene	15.00	252	53224m	4.93	ng	
89) Benzo(a)pyrene	15.34	252	29936	3.12	ng	# 94
91) Benzo(g,h,i)perylene	17.20	276	21053	2.34	ng	94

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

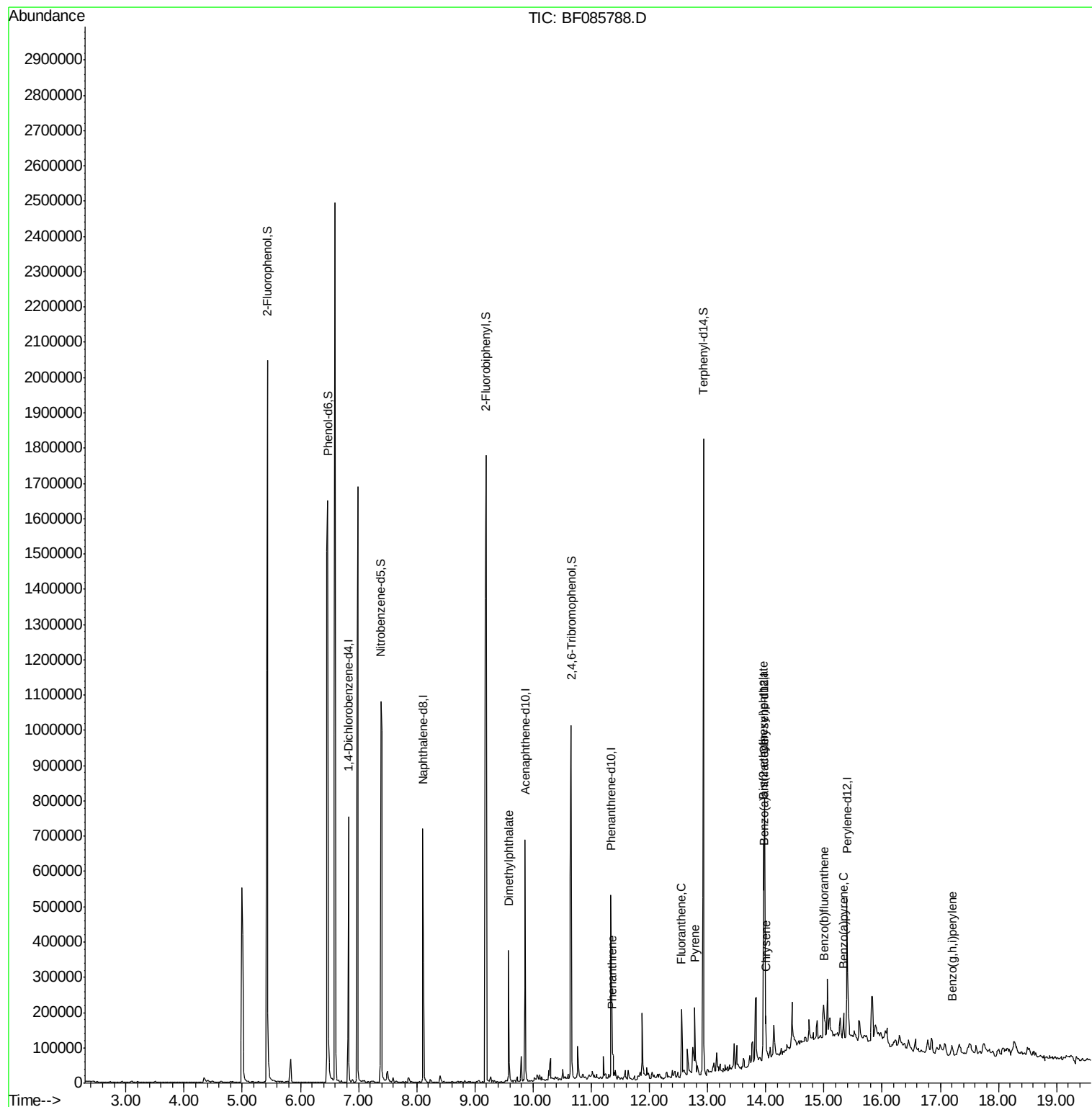
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032516\
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Sample : H1923-04
Misc :
ALS Vial : 38 Sample Multiplier: 1

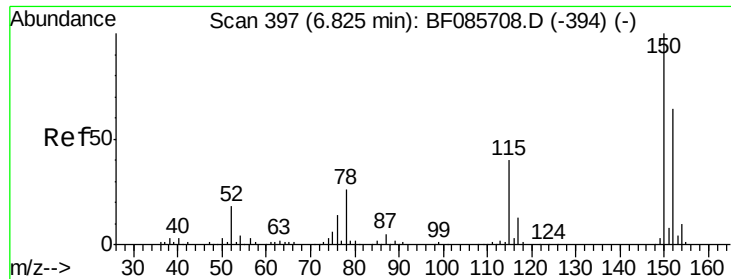
Instrument :
BNA_F
ClientSampleId :
S-PG-D(0-6)

Manual Integrations
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 397

Delta R.T. 0.00 min

Lab File: BF085788.D

Acq: 26 Mar 2016 3:53

Instrument :

BNA_F

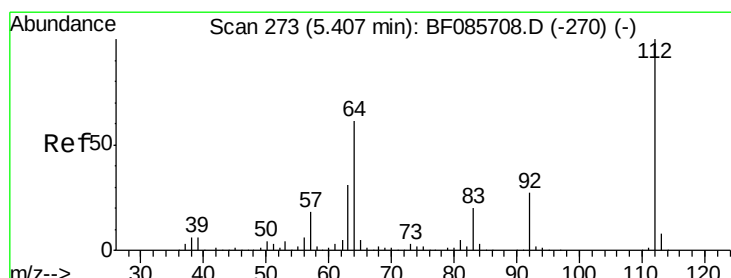
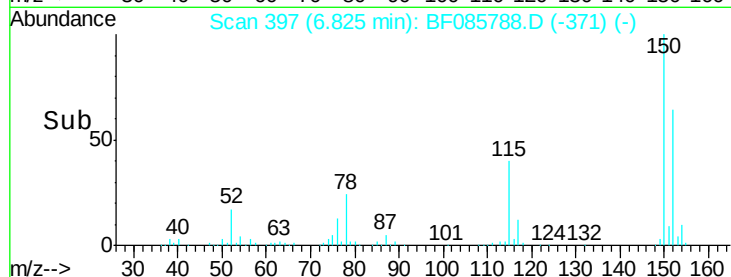
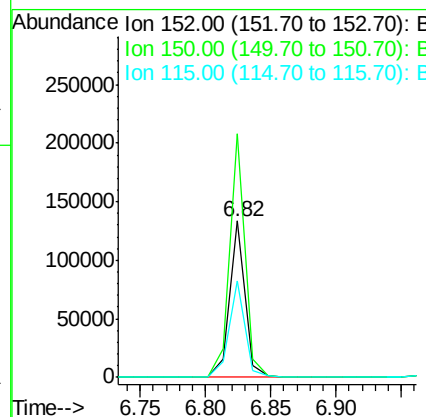
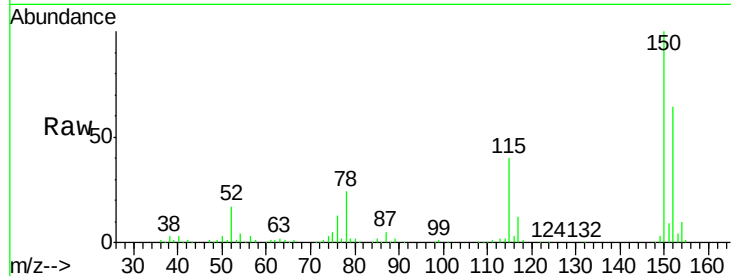
ClientSampled :

S-PG-D(0-6)

Tot Ion:	152	Resp:	110539
Ion Ratio	Lower	Upper	
152	100		
150	155.8	124.2	186.2
115	62.1	47.0	70.6

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#5

2-Fluorophenol

Concen: 113.50 ng

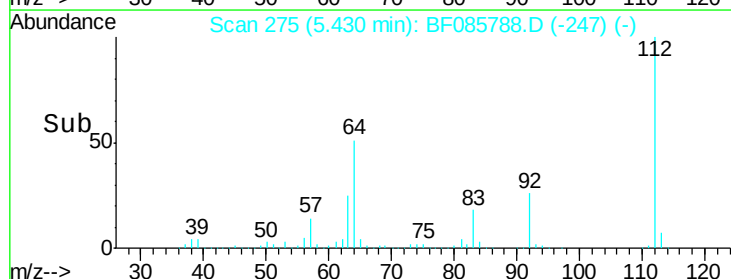
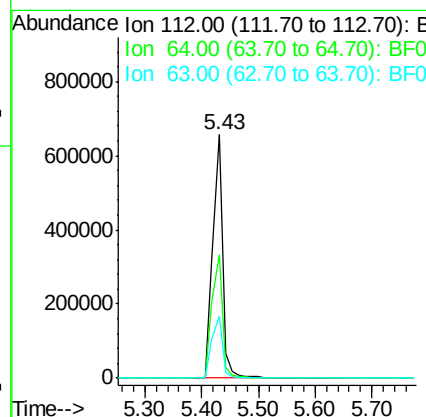
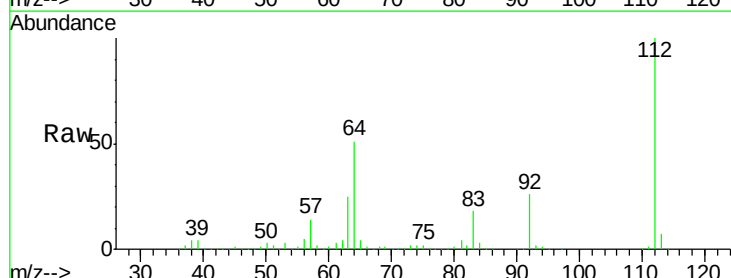
RT: 5.43 min Scan# 275

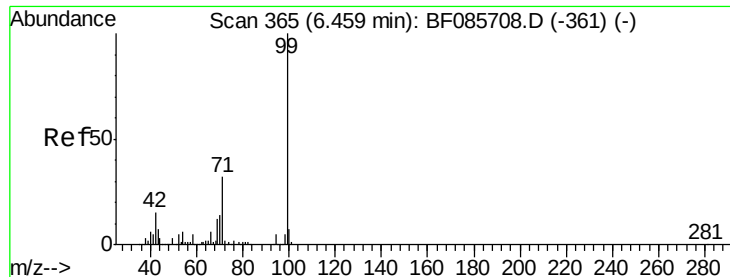
Delta R.T. 0.02 min

Lab File: BF085788.D

Acq: 26 Mar 2016 3:53

Tgt Ion:	112	Resp:	753302
Ion Ratio	Lower	Upper	
112	100		
64	50.5	39.9	59.9
63	25.5	20.2	30.2





#7

Phenol-d6

Concen: 110.90 ng

RT: 6.47 min Scan# 366

Delta R.T. 0.01 min

Lab File: BF085788.D

Acq: 26 Mar 2016 3:53

Instrument :

BNA_F

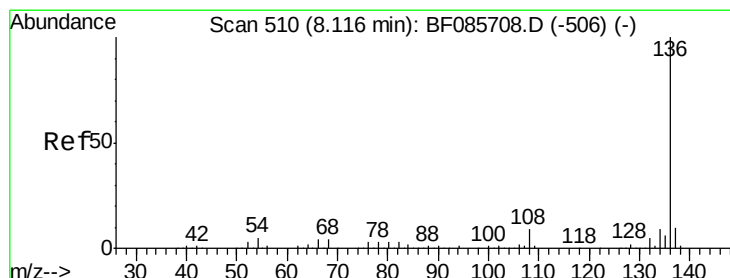
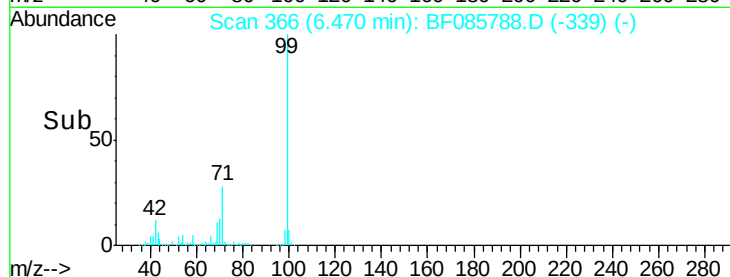
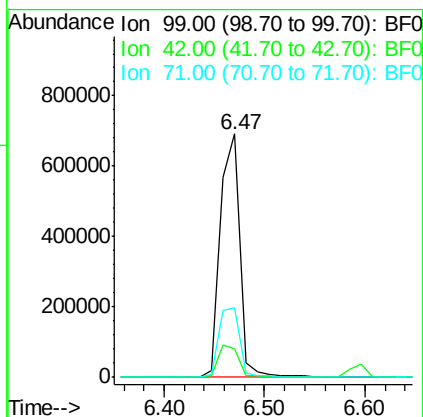
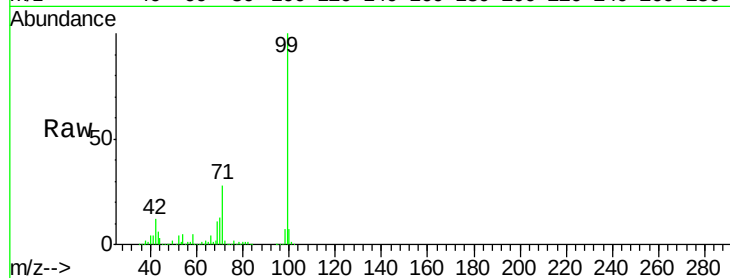
ClientSampleId :

S-PG-D(0-6)

Tot Ion:	99	Resp:	935884
Ion Ratio	Lower	Upper	
99	100		
42	11.6	11.1	16.7
71	28.4	24.9	37.3

Manual Integrations
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#21

Naphthalene-d8

Concen: 20.00 ng

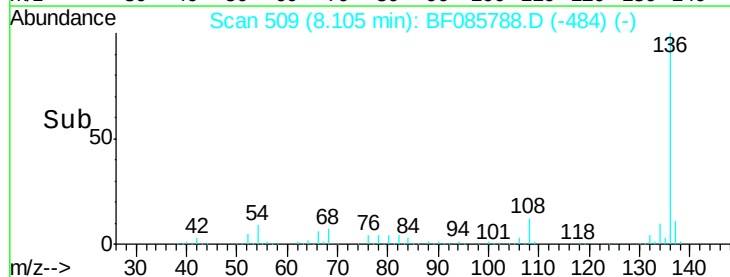
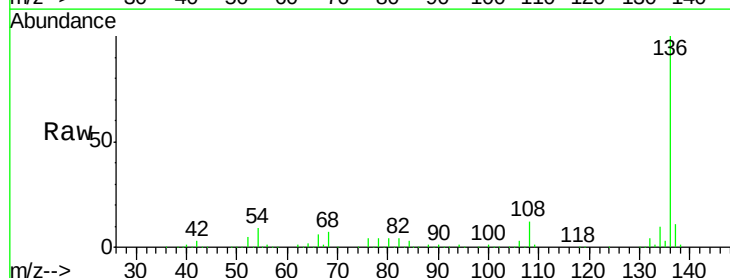
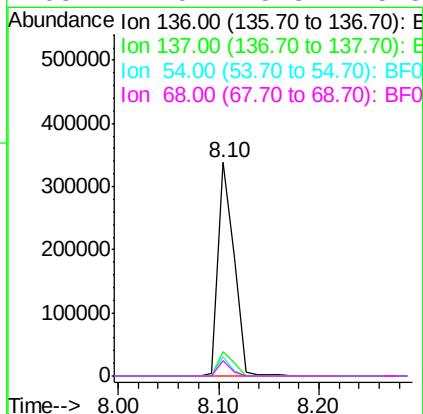
RT: 8.10 min Scan# 509

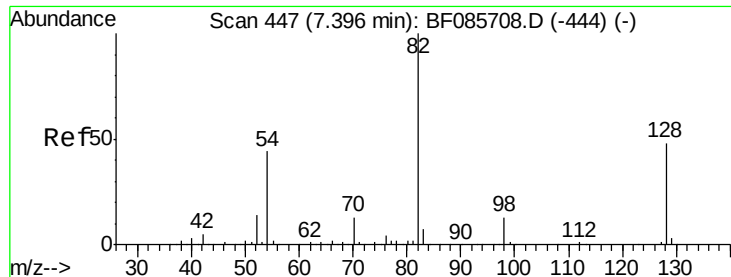
Delta R.T. -0.01 min

Lab File: BF085788.D

Acq: 26 Mar 2016 3:53

Tgt Ion:	136	Resp:	373105
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.1	13.7
54	8.9	7.4	11.0
68	7.0	5.8	8.8





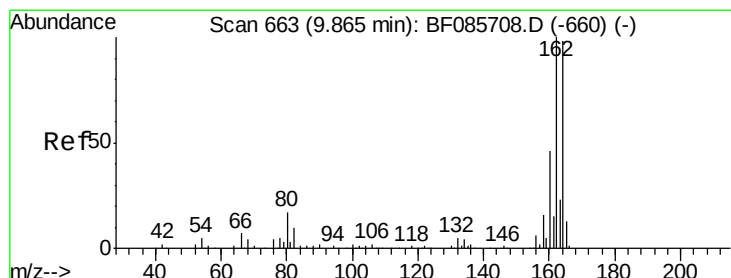
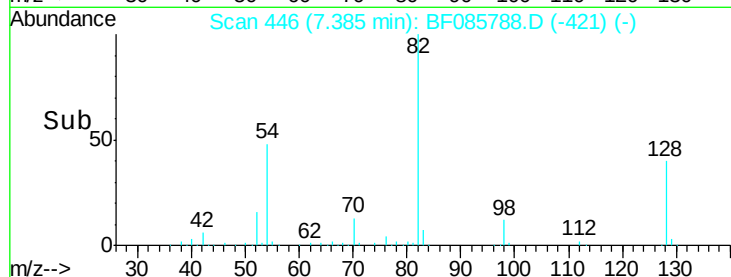
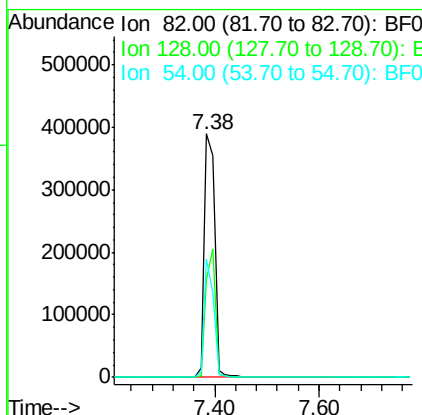
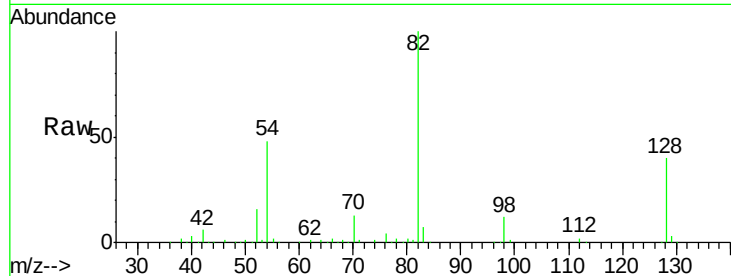
#23
 Nitrobenzene-d5
 Concen: 81.89 ng
 RT: 7.38 min Scan# 446
 Delta R.T. -0.01 min
 Lab File: BF085788.D
 Acq: 26 Mar 2016 3:53

Instrument :
 BNA_F
 ClientSampled :
 S-PG-D(0-6)

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.9	41.8	62.8#
54	48.4	33.4	50.0

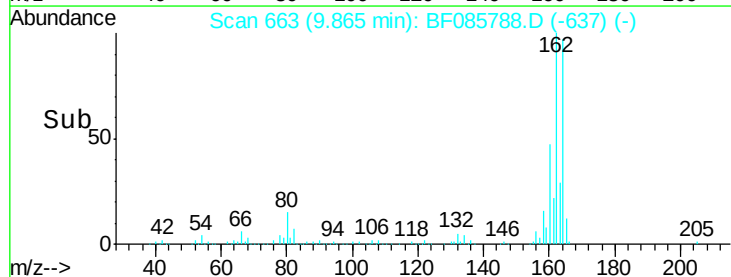
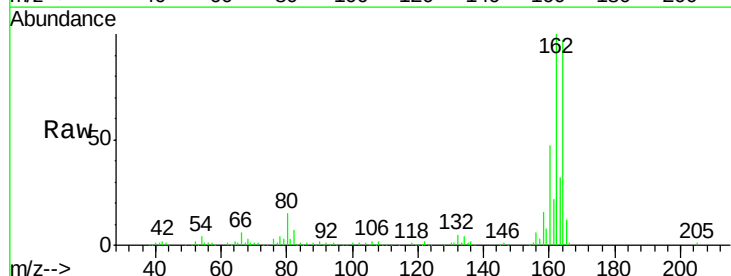
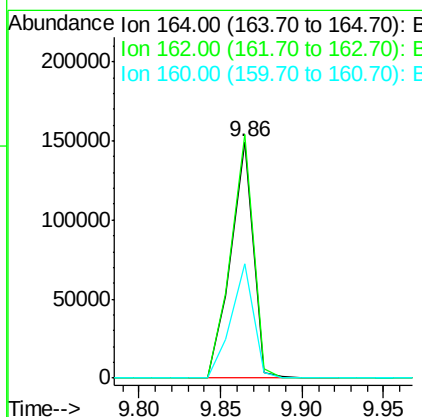
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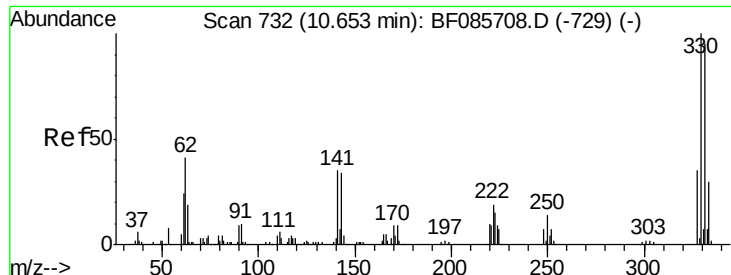
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: BF085788.D
 Acq: 26 Mar 2016 3:53

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	82.1	123.1
160	48.2	37.4	56.2





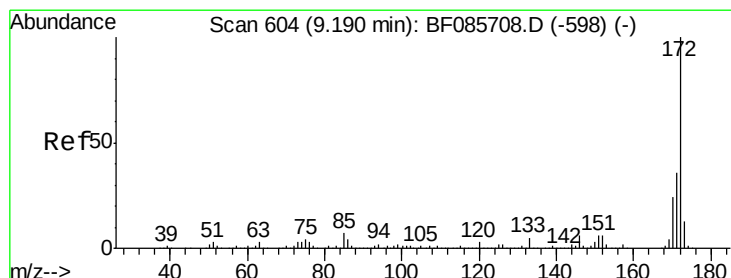
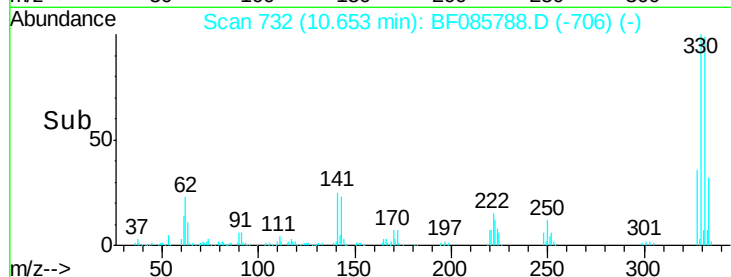
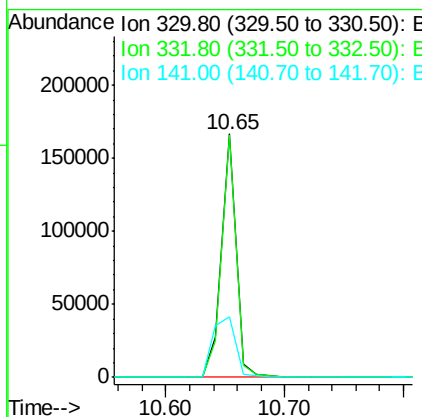
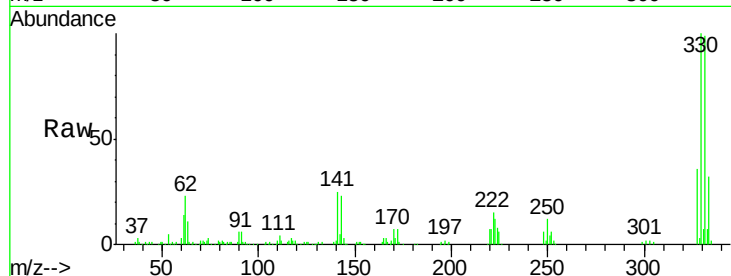
#41
 2,4,6-Tribromophenol
 Concen: 105.33 ng
 RT: 10.65 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: BF085788.D
 Acq: 26 Mar 2016 3:53

Instrument :
 BNA_F
 ClientSampleId :
 S-PG-D(0-6)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	141640		
332	98.2	78.2	117.2	
141	39.3	31.5	47.3	

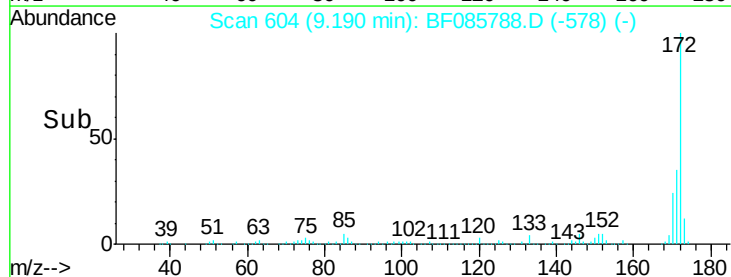
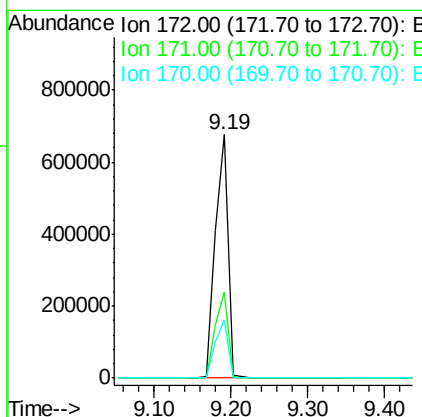
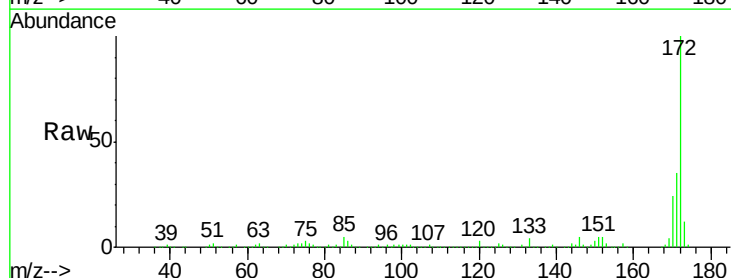
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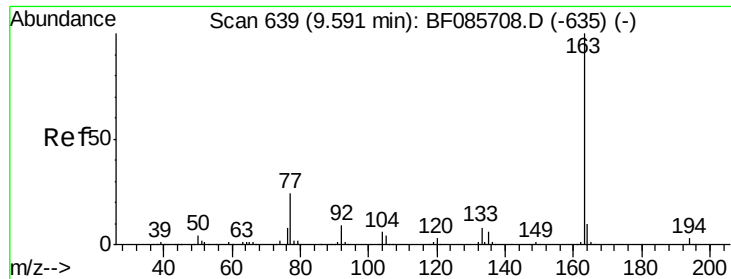
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#44
 2-Fluorobiphenyl
 Concen: 90.10 ng
 RT: 9.19 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: BF085788.D
 Acq: 26 Mar 2016 3:53

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	763265		
171	35.1	29.4	44.2	
170	23.9	19.8	29.6	





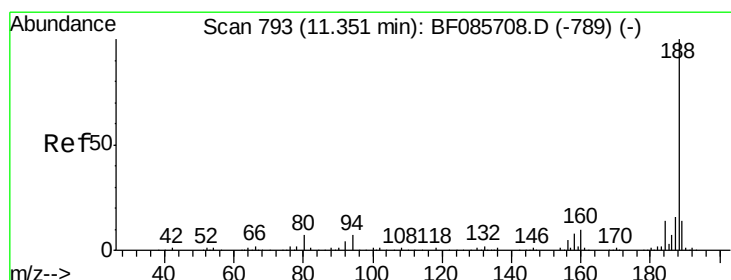
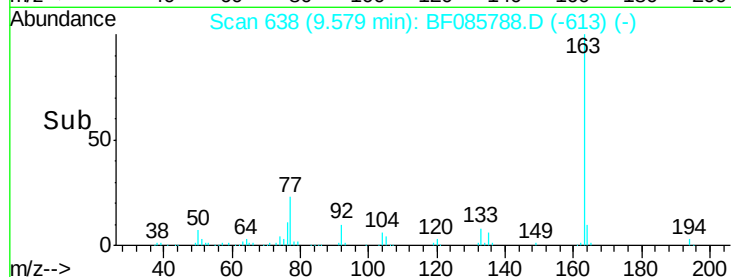
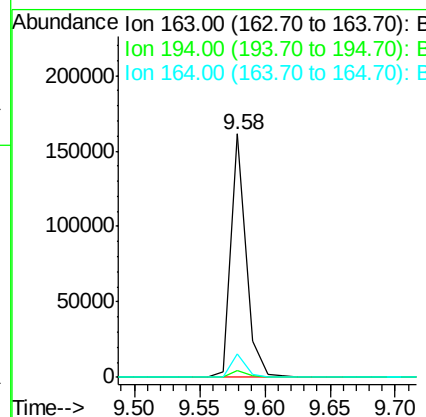
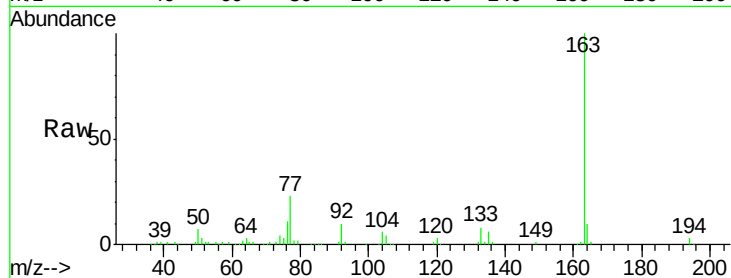
#49
Dimethylphthalate
Concen: 12.29 ng
RT: 9.58 min Scan# 638
Delta R.T. -0.01 min
Lab File: BF085788.D
Acq: 26 Mar 2016 3:53

Instrument :
BNA_F
ClientSampleId :
S-PG-D(0-6)

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	2.9	2.9	4.3#
164	9.9	8.3	12.5

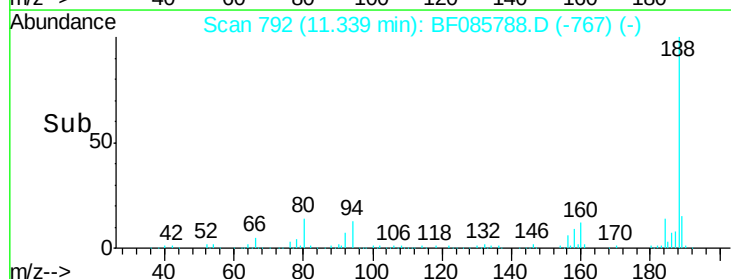
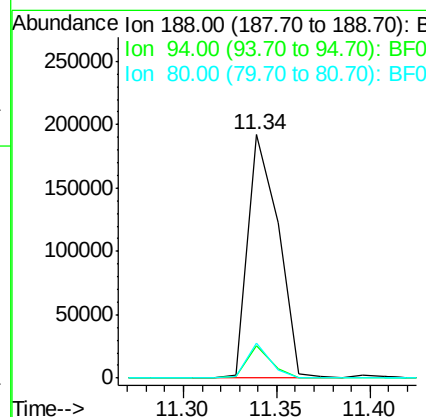
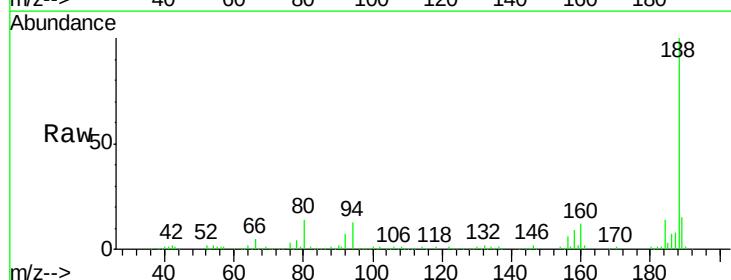
Manual Integrations
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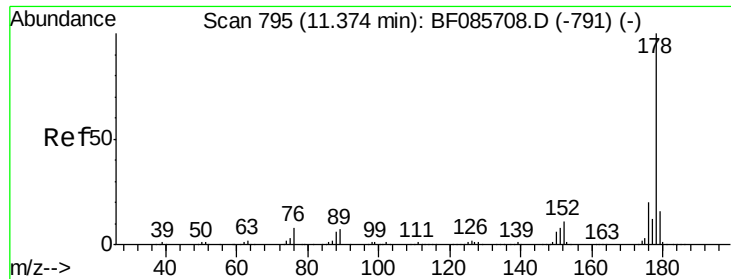
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF085788.D
Acq: 26 Mar 2016 3:53

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	13.4	5.4	8.0#
80	14.1	5.5	8.3#





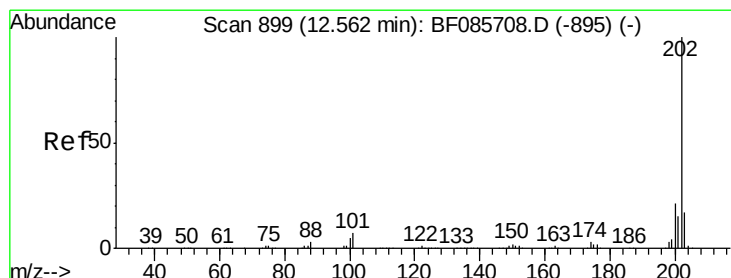
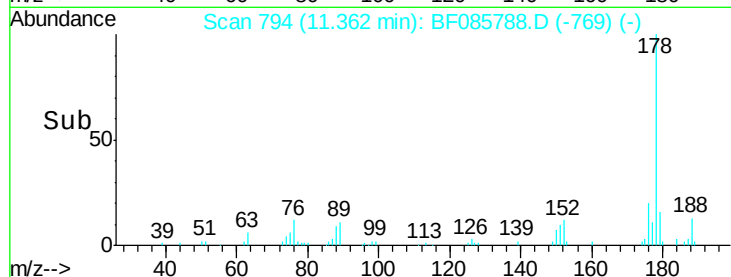
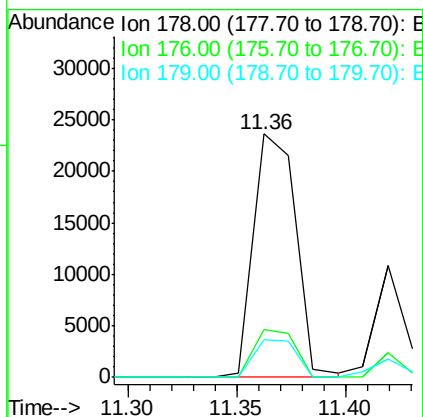
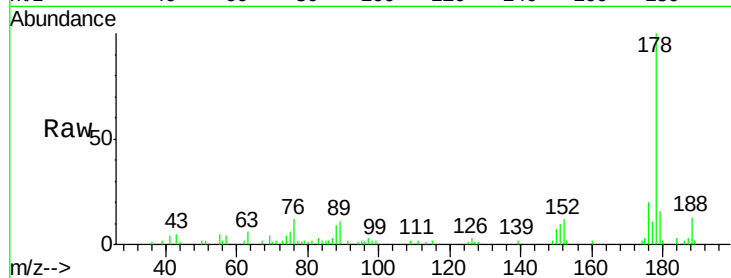
#70
Phenanthrene
Concen: 2.83 ng
RT: 11.36 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF085788.D
Acq: 26 Mar 2016 3:53

Instrument :
BNA_F
ClientSampleId :
S-PG-D(0-6)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.3	24.5
179	15.7	12.6	18.8

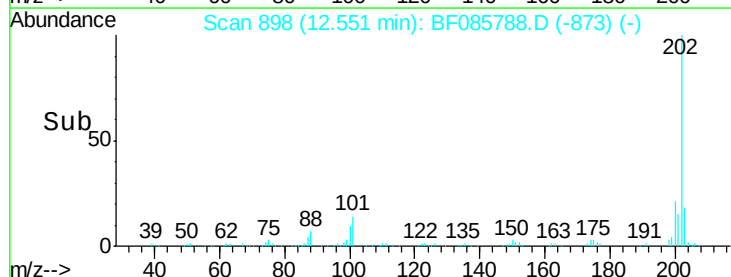
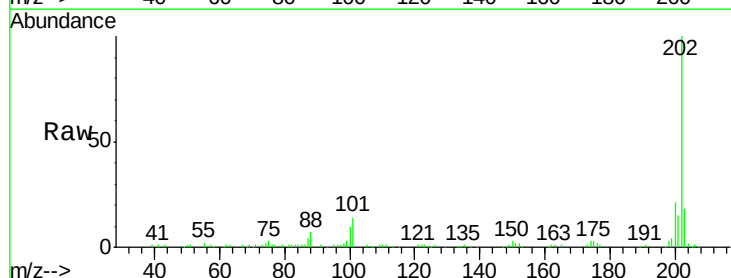
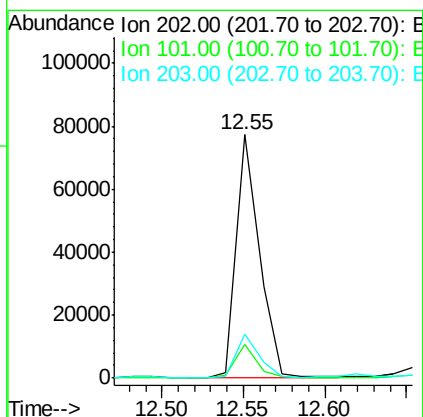
Manual Integrations
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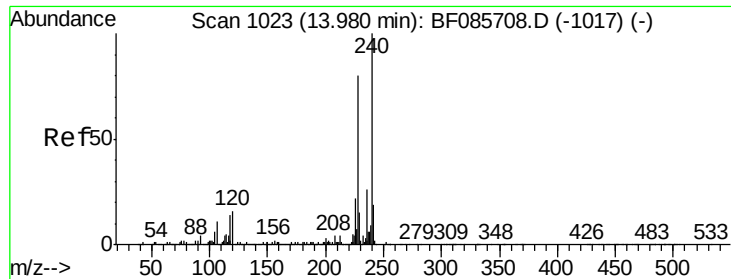
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#74
Fluoranthene
Concen: 6.32 ng
RT: 12.55 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF085788.D
Acq: 26 Mar 2016 3:53

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	36.6
203	18.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.98 min Scan# 1023

Delta R.T. 0.00 min

Lab File: BF085788.D

Acq: 26 Mar 2016 3:53

Instrument :

BNA_F

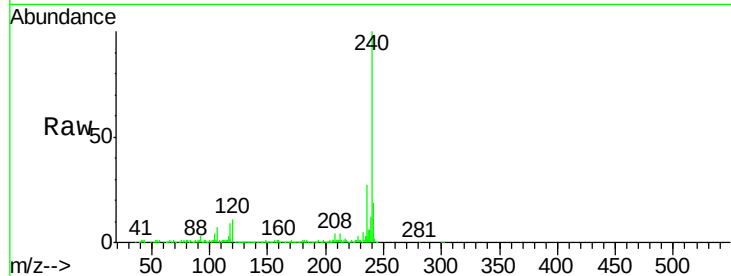
ClientSampleId :

S-PG-D(0-6)

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.9	13.8	20.8#
236	26.5	20.6	30.8

Manual Integrations
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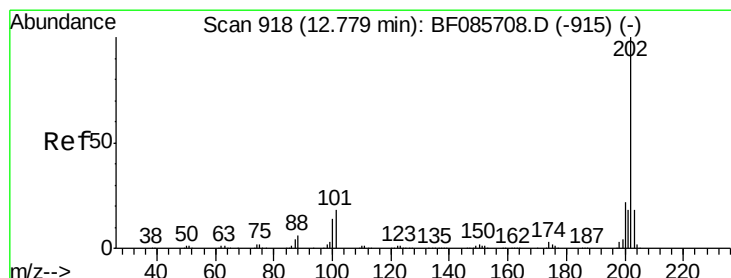
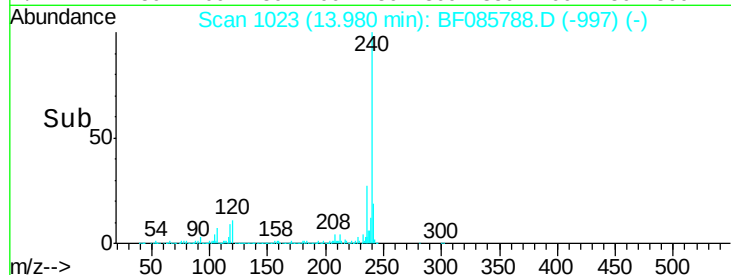
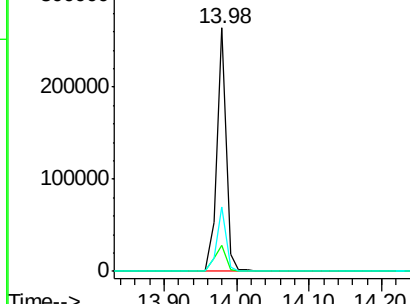
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 3.92 ng

RT: 12.78 min Scan# 918

Delta R.T. 0.00 min

Lab File: BF085788.D

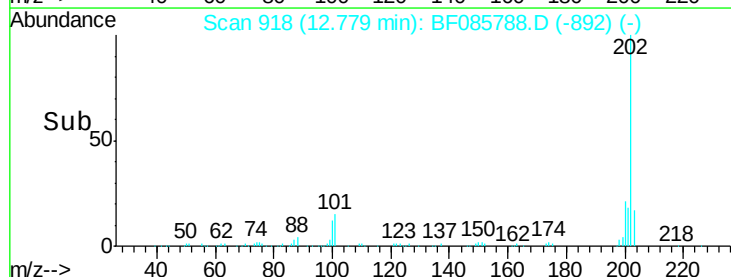
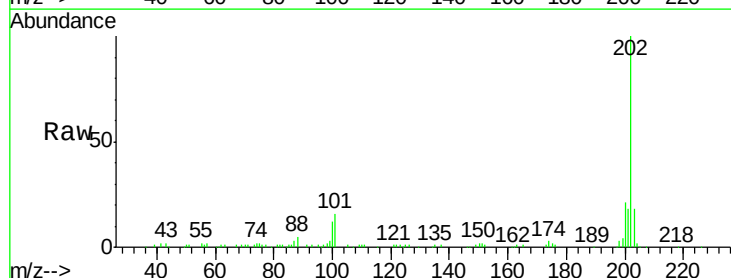
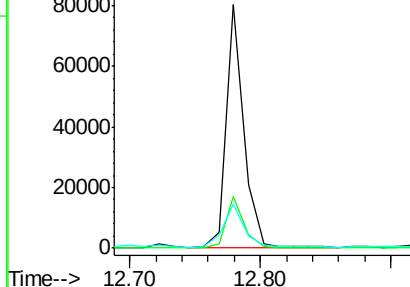
Acq: 26 Mar 2016 3:53

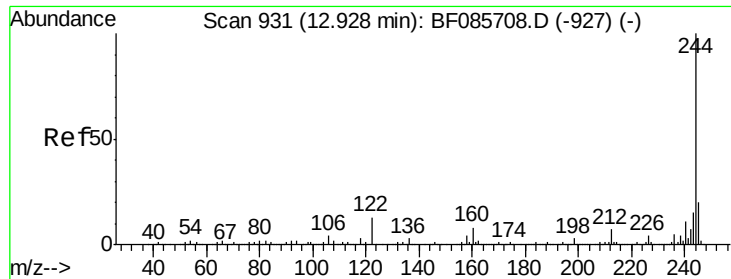
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.6	26.4
203	17.8	14.0	21.0

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





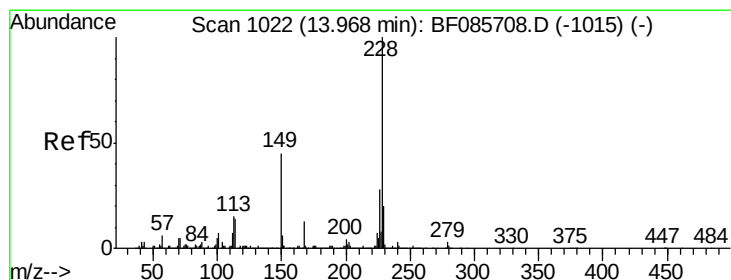
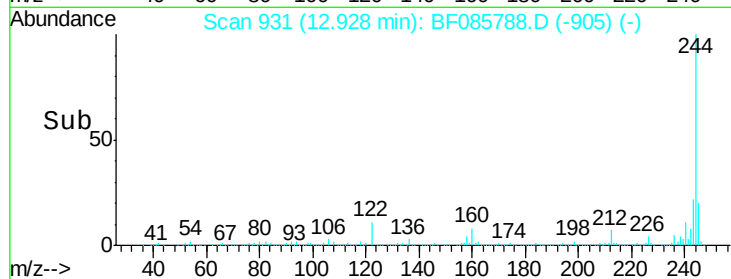
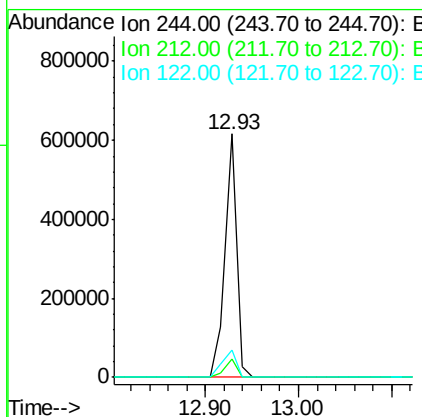
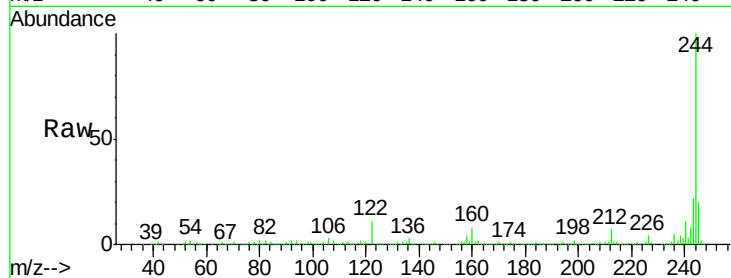
#78
 Terphenyl-d14
 Concen: 46.37 ng
 RT: 12.93 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: BF085788.D
 Acq: 26 Mar 2016 3:53

Instrument :
 BNA_F
 ClientSampleId :
 S-PG-D(0-6)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.1	9.1
122	11.1	10.2	15.4

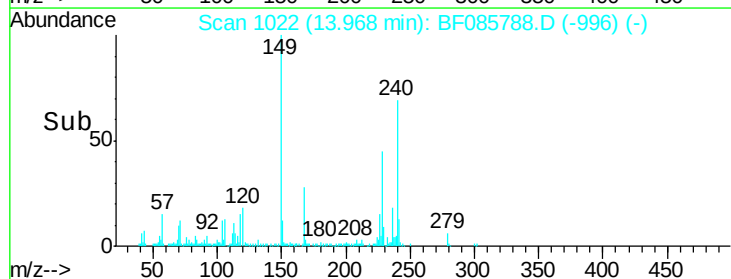
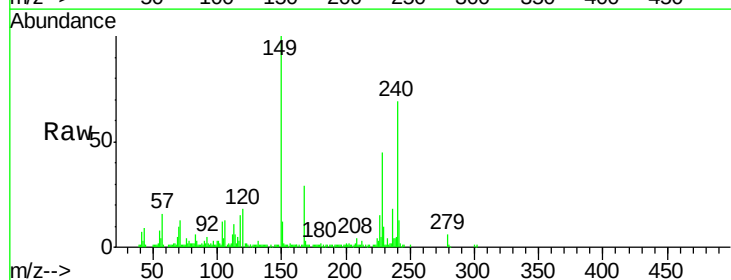
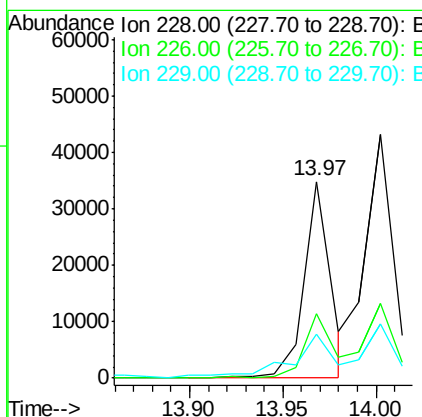
Manual Integrations
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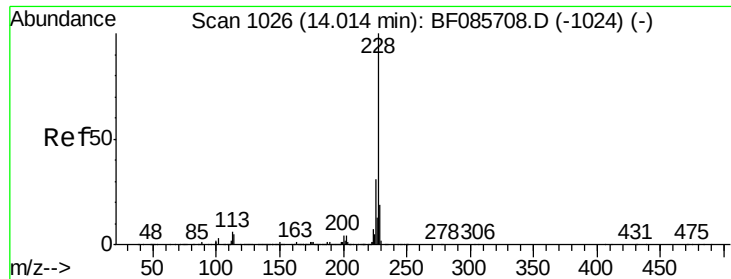
Sohil
 3/28/2016 8:00:07 PM



#80
 Benzo(a)anthracene
 Concen: 2.57 ng
 RT: 13.97 min Scan# 1022
 Delta R.T. 0.00 min
 Lab File: BF085788.D
 Acq: 26 Mar 2016 3:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.8	22.1	33.1
229	22.2	16.2	24.4





#82

Chrysene

Concen: 3.35 ng/mL

RT: 14.00 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF085788.D

Acq: 26 Mar 2016 3:53

Instrument :

BNA_F

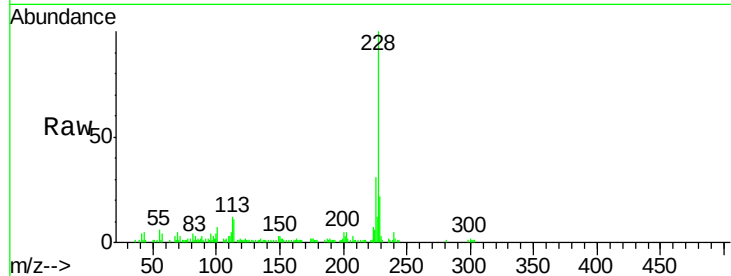
ClientSampleId :

S-PG-D(0-6)

Tot Ion:	228	Resp:	45469
Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	22.1	15.7	23.5

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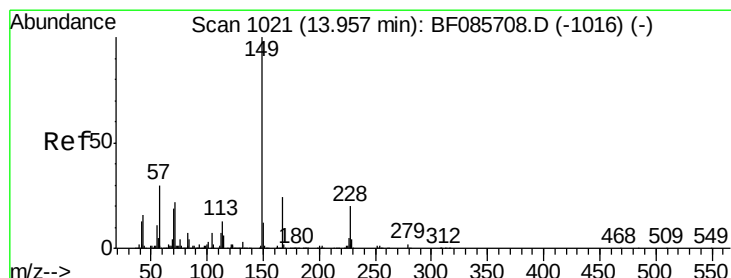
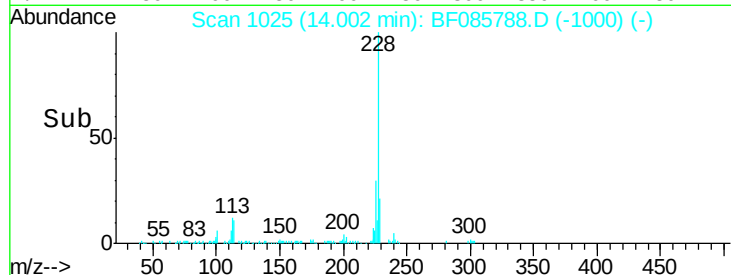
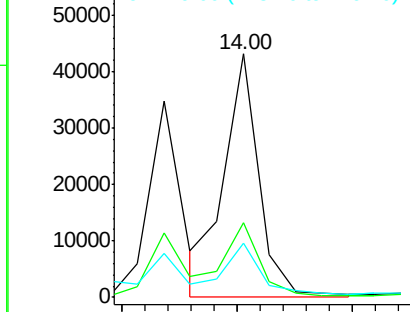


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 18.61 ng/mL

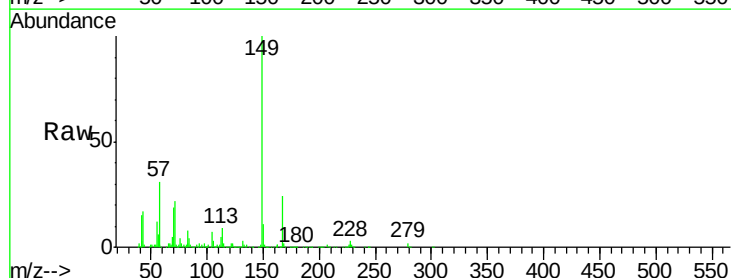
RT: 13.96 min Scan# 1021

Delta R.T. 0.00 min

Lab File: BF085788.D

Acq: 26 Mar 2016 3:53

Tgt Ion:	149	Resp:	181129
Ion	Ratio	Lower	Upper
149	100		
167	23.7	19.4	29.2
279	1.7	1.5	2.3

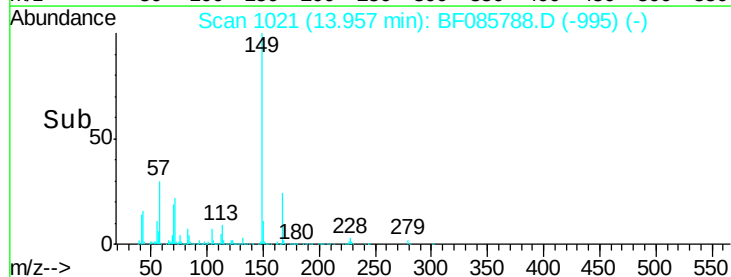
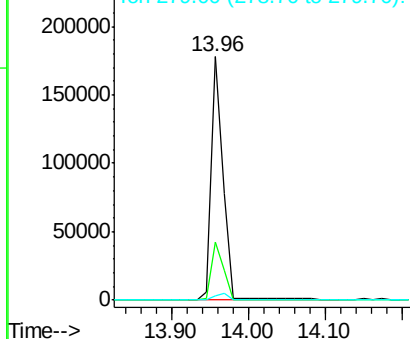


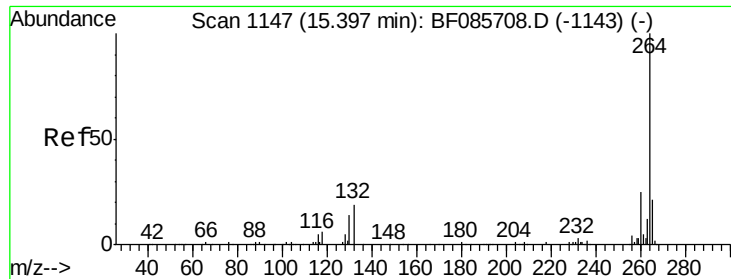
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





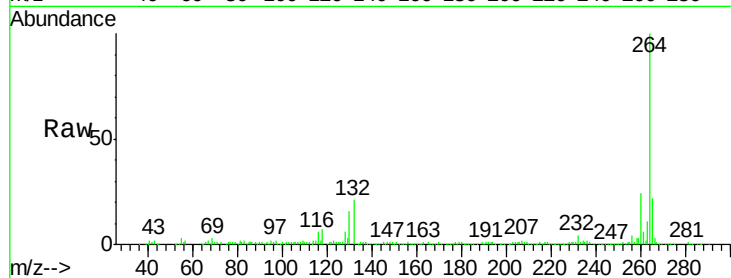
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1147
Delta R.T. 0.00 min
Lab File: BF085788.D
Acq: 26 Mar 2016 3:53

Instrument :
BNA_F
ClientSampleId :
S-PG-D(0-6)

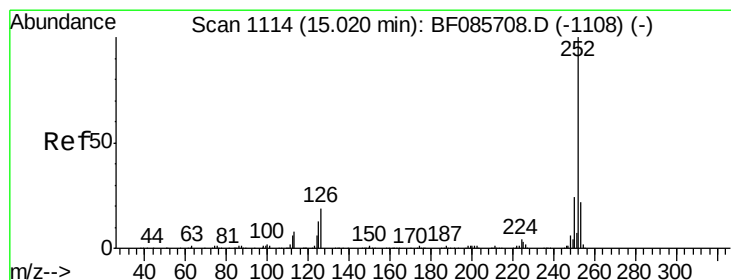
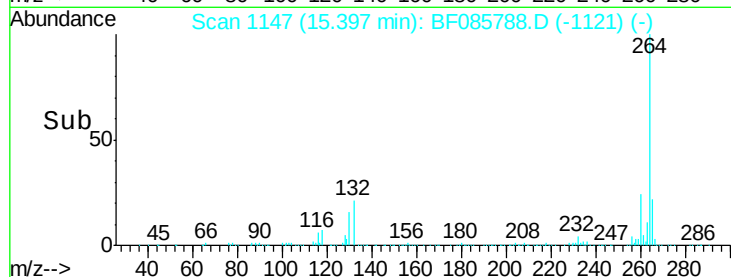
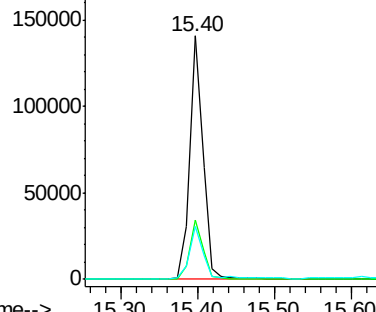
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.4	29.2
265	21.8	17.2	25.8

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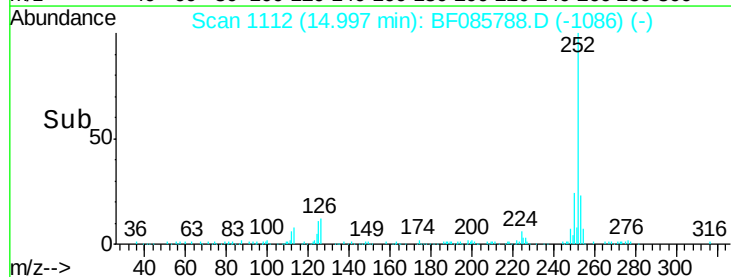
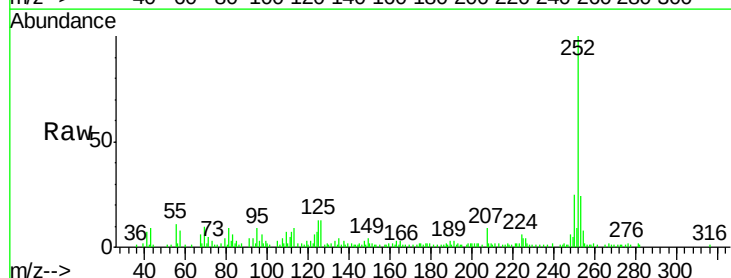
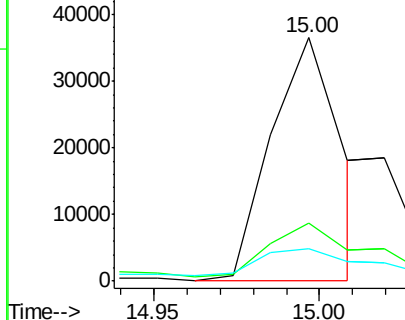
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

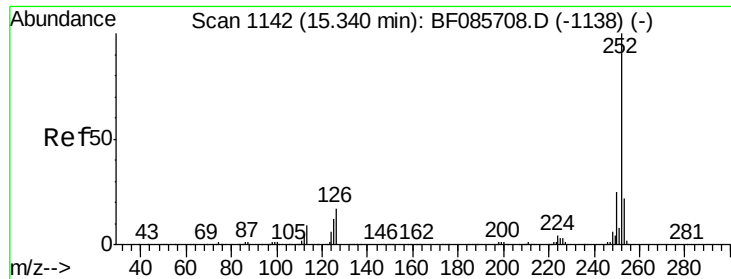


#87
Benzo(b)fluoranthene
Concen: 4.93 ng m
RT: 15.00 min Scan# 1112
Delta R.T. 0.00 min
Lab File: BF085788.D
Acq: 26 Mar 2016 3:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.6	26.4
125	13.5	10.3	15.5

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: 3.12 ng

RT: 15.34 min Scan# 1142

Delta R.T. 0.00 min

Lab File: BF085788.D

Acq: 26 Mar 2016 3:53

Instrument :

BNA_F

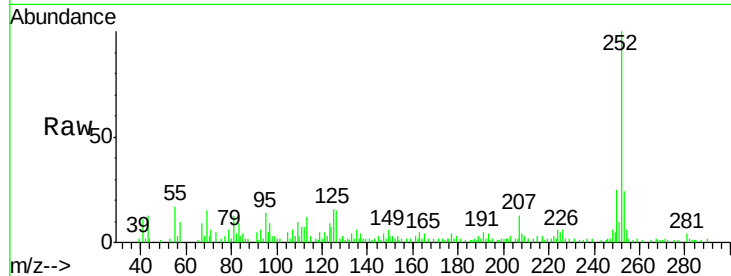
ClientSampleId :

S-PG-D(0-6)

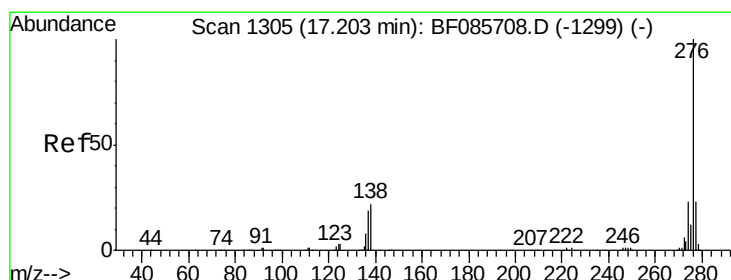
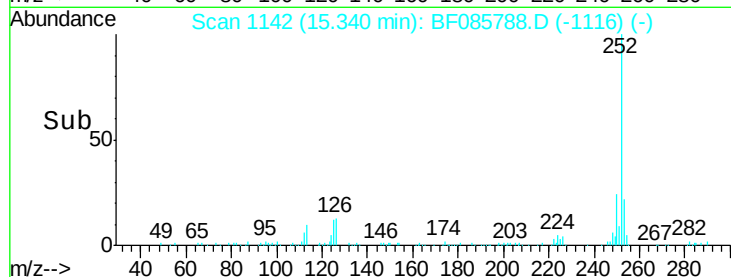
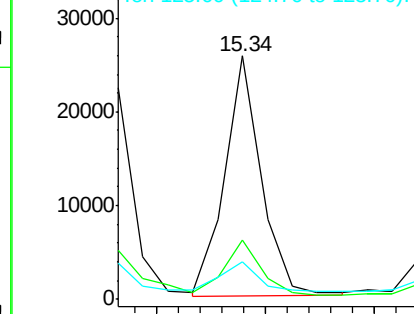
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.4	26.0
125	15.5	10.3	15.5#

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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



#91

Benzo(g,h,i)perylene

Concen: 2.34 ng

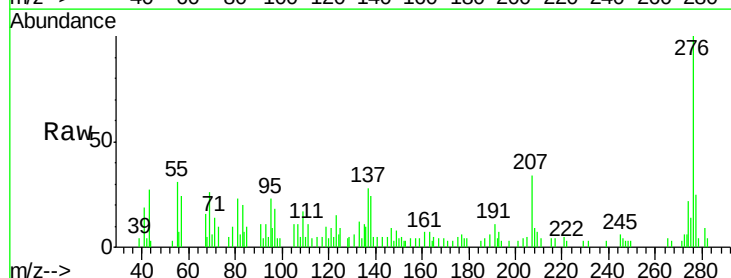
RT: 17.20 min Scan# 1305

Delta R.T. 0.00 min

Lab File: BF085788.D

Acq: 26 Mar 2016 3:53

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	18.8	28.2
138	23.5	22.6	34.0



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

